Category	Data
System and Segment	Sugarland to Bayou Choctaw (Redstick Crude System) - 36"
Milage Inspected	37.23
Date Inspected	4/11/2013 — Date the tool(s) was removed from the pipeline
Tool Vendor	Rosen
Tool Model #	36" (914.4 mm) AFD
Type Of Tool	High Res MFL
Description	36" (914.4 mm) Corrosion Detection
ILI Vendor Proj #	11740 R1
Date Report Issued by Vendor	July 10, 2013

Template Version 2.7
Revised December 9, 2008

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
1	AS_Launch		-49.63			52.61					AGM	40																					1794	Launcher/Receiver		
2	Tap		-37.88			40.86					AGM	28.25								12:00													1790	Tap		
3	Tap		-37.68			40.66					AGM	28.05								3:00													1790	Tap		
4	Magnet		-36.35			39.33					AGM	26.72								0.5												ROSEN USA	2144	Magnet		
5	Tap		-30.48			33.46					AGM	20.85								0.5													1790	Tap		
6	AGM		-9.63			12.61					Valve	9.63																				Launcher	1250	Unknown		
7	Valve		0			2.98			AGM	9.63	Valve	65995.92																					1589	Valve		
8	AE_Launch		2.98			4.24	4.24	10	Valve	2.98	Valve	65992.94	36	0.438	52					8:36	335			911									1794	Unknown		
9	Tee		4.94		1.96	2.28	4.24	10	Valve	4.94	Valve	65990.98	36	0.438	52					0.125	335			911									1791	Tee		
10	GirthWeld		7.22		4.24	5.77	5.77	20	Valve	7.22	Valve	65988.7	36	0.438	52					0.061111	335			911									1250	Unknown		
11	Tap		7.9		0.68	5.09	5.77	20	Valve	7.9	Valve	65988.02	36	0.438	52					0.5	335			911									1790	Tap		
12	Tap		9.49		2.27	3.5	5.77	20	Valve	9.49	Valve	65986.43	36	0.438	52					12:00	335			911									1790	Tap		
13	Flange		12.99		5.77	21.57	21.57	30	Valve	12.99	Valve	65982.93	36	0.438	52					3:42	335			911									1793	Flange		
14	Tee		21.37		8.38	13.19	21.57	30	Valve	21.37	Valve	65974.55	36	0.438	52					0.5	335			911									1791	Tee		
15	Tee		25.72		12.73	8.84	21.57	30	Valve	25.72	Valve	65970.2	36	0.438	52					0.5	335			911									1791	Tee		
16	GirthWeld		34.56		21.56	0.69	0.68	40	Valve	34.56	Valve	65961.37	36	0.438	52					UNKN	335			911									1250	Unknown		
17	GirthWeld		35.24		0.68	10.04	10.04	50	Valve	35.24	Valve	65960.68	36	0.438	52					3:58	335			911									1250	Unknown		
18	GirthWeld		45.28		10.04	5.86	5.86	60	Valve	45.28	Valve	65950.64	36	0.312	52					1:44	335			649									1250	Unknown		
19	GirthWeld		51.14		5.86	10.97	10.97	70	Valve	51.14	Valve	65944.78	36	0.312	52					0.456944	335			649									1250	Unknown		
20	GirthWeld		62.11		10.97	40.01	40.01	80	Valve	62.11	Valve	65933.81	36	0.312	52					0.309722	335			649									1250	Unknown		
21	GirthWeld		102.12		40.01	33.95	33.95	90	Valve	102.12	Valve	65893.8	36	0.312	52					0.405556	335			649									1250	Unknown		
22	MELO-CORR	YES	105.52		3.4	30.55	33.95	90	Valve	105.52	Valve	65890.4	36	0.312	52	0.19	0.06	1.10	0.16	5:29	335	1068	769	649	0.44	1.19							1598	Metal Loss		
24	CLUSTER	YES	106.52		4.4	29.55	33.95	90	Valve	106.52	Valve	65889.4	36	0.312	52	0.24	0.08	14.35	3.68	5:51	335	910	656	649	0.51	1.09							1250	Unknown		
35	CLUSTER	YES	108.65		6.52	27.43	33.95	90	Valve	108.65	Valve	65887.27	36	0.312	52	0.16	0.05	2.03	1.20	0.246528	335	1058	762	649	0.44	1.17							1250	Unknown		
37	MELO-CORR	YES	110.32		8.2	25.76	33.95	90	Valve	110.32	Valve	65885.6	36	0.312	52	0.15	0.05	1.10	0.32	0.265972	335	1070	770	649	0.43	1.19							1598	Metal Loss		
38	MELO-CORR	YES	110.58		8.46	25.5	33.95	90	Valve	110.58	Valve	65885.34	36	0.312	52	0.15	0.05	1.18	0.24	0.194444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39	MELO-CORR	YES	111		8.88	25.07	33.95	90	Valve	111	Valve	65884.92	36	0.312	52	0.21	0.07	1.14	0.20	6:10	335	1067	768	649	0.44	1.18							1598	Metal Loss		
40	MELO-CORR	YES	111.22		9.1	24.85	33.95	90	Valve	111.22	Valve	65884.7	36	0.312	52	0.18	0.06	1.14	0.20	4:37	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41	MELO-CORR	YES	115.08		12.96	21	33.95	90	Valve	115.08	Valve	65880.84	36	0.312	52	0.15	0.05	1.10	0.24	0.329861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
42	MELO-CORR	YES	115.6		13.48	20.47	33.95	90	Valve	115.6	Valve	65880.32	36	0.312	52	0.15	0.05	1.14	0.16	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43	MELO-CORR	YES	117.6		15.48	18.47	33.95	90	Valve	117.6	Valve	65878.32	36	0.312	52	0.24	0.08	1.14	0.32	0.317361	335	1065	767	649	0.44	1.18							1598	Metal Loss		
44	MELO-CORR	YES	117.7		15.58	18.37	33.95	90	Valve	117.7	Valve	65878.22	36	0.312	52	0.16	0.05	1.18	0.20	4:20	335	1069	769	649	0.44	1.19							1598	Metal Loss		
46	CLUSTER	YES	119.53		17.41	16.54	33.95	90	Valve	119.53	Valve	65876.39	36	0.312	52	0.17	0.05	2.72	1.79	4:15	335	1047	754	649	0.44	1.17							1250	Unknown		
48	MELO-CORR	YES	120.03		17.91	16.05	33.95	90	Valve	120.03	Valve	65875.89	36	0.312	52	0.21	0.07	1.10	0.20	0.168056	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49	MELO-CORR	YES	120.13		18.01	15.95	33.95	90	Valve	120.13	Valve	65875.79	36	0.312	52	0.16	0.05	1.22	0.20	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
51	CLUSTER	YES	121.71		19.59	14.36	33.95	90	Valve	121.71	Valve	65874.21	36	0.312	52	0.18	0.06	1.67	0.88	0.334722	335	1062	764	649	0.44	1.18							1250	Unknown		
53	MELO-CORR	YES	121.85		19.73	14.23	33.95	90	Valve	121.85	Valve	65874.07	36	0.312	52	0.17	0.05	1.14	0.24	8:24	335	1069	769	649	0.44	1.19							1598	Metal Loss		
55	CLUSTER	YES	122.93		20.81	13.15	33.95	90	Valve	122.93	Valve	65872.99	36	0.312	52	0.28	0.09	2.44	1.57	7:58	335	1032	743	649	0.45	1.16							1250	Unknown		
58	CLUSTER	YES	124.31		22.19	11.76	33.95	90	Valve	124.31	Valve	65871.61	36	0.312	52	0.21	0.07	1.51	0.57	0.325	335	1062	764	649	0.44	1.18							1250	Unknown		
60	MELO-CORR	YES	125.08		22.95	11	33.95	90	Valve	125.08	Valve	65870.85	36	0.312	52	0.18	0.06	1.18	0.24	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
62	CLUSTER	YES	125.45		23.33	10.62	33.95	90	Valve	125.45	Valve	65870.47	36	0.312	52	0.15	0.05	11.83	3.43	0.241667	335	981	706	649	0.47	1.09							1250	Unknown		
75	MELO-CORR	YES	129.86		27.74	6.22	33.95	90	Valve	129.86	Valve	65866.06	36	0.312	52	0.15	0.05	1.22	0.20	3:29	335	1069	769	649	0.44	1.19							1598	Metal Loss		
76	GirthWeld		136.07		33.95	38.74	38.73	100	Valve	136.07	Valve	65859.85	36	0.312	52					1:24	335			649									1250	Unknown		
78	CLUSTER	YES	139.08		3.01	35.73	38.73	100	Valve	139.08	Valve	65856.84	36	0.312	52	0.17	0.05	7.04	0.76	0.245139	335	994	716	649	0.47	1.12							1250	Unknown		
81	MELO-CORR	YES	146.15		10.08	28.66	38.73	100	Valve	146.15	Valve	65849.77	36	0.312	52	0.19	0.06	1.10	0.20	0.261806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
82	MELO-CORR	YES	165.64		29.57	9.17	38.73	100	Valve	165.64	Valve	65830.28	36	0.312	52	0.15	0.05	1.14	0.20	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
83	GirthWeld		174.81		38.74	29.85	29.85	110	Valve	174.81	Valve	65821.11	36	0.312	52					1:50	335			649									1250	Unknown		
84	GirthWeld		204.66		29.85	34.59	34.59	120	Valve	204.66	Valve	65791.26	36	0.312	52					11:24	335			649									1250	Unknown		
85	GirthWeld		239.25		34.59	10.48	10.48	130	Valve	239.25	Valve	65756.67	36	0.312	52					0.447222	335			649									1250	Unknown		
86	GirthWeld		249.73		10.48	28.56	28.56	140	Valve	249.73	Valve	65746.19	36	0.312	52					0.451389	335			649									1250	Unknown		
87	GirthWeld		278.29		28.56	39.39	39.39	150	Valve	278.29	Valve	65717.63	36	0.312	52					0.131944	335			649									1250	Unknown		
88	GirthWeld		317.68		39.39	35.72	35.72	160	Valve	317.68	Valve	65678.24	36	0.312	52					1:00	335			649									1250	Unknown		
89	GirthWeld		353.4		35.72	39.78	39.78	170	Valve	353.4	Valve	65642.52	36	0.312	52					11:34	335			649									1250	Unknown		
90	GirthWeld		393.18		39.78	39.7	39.7	180	Valve	393.18	Valve	65602.74	36	0.312	52					0.4	335			649									1250	Unknown		
91	GirthWeld		432.88		39.7	39.81	39.81	190	Valve	432.88	Valve	65563.04	36	0.312	52					0.081944	335			649									1250	Unknown		
92	GirthWeld		472.69		39.81	39.7	39.7	200	Valve	472.69	Valve	65523.24	36	0.312	52					0.044444	335			649									1250	Unknown		
93	MIFE	n/a	481.37		8.68	31.02	39.7	200	Valve	481.37	Valve	65514.55	36	0.312	52					1:30	335			649									2167	Mill Anomaly		
94	GirthWeld		512.39		39.7	39.58	39.58	210	Valve	512.39	Valve	65483.53	36	0.312	52					11:26	335			649									1250	Unknown		
95	GirthWeld		551.97		39.58	39.18	39.18	220	Valve	551.97	Valve	65443.95	36	0.312	52					0.459722	335			649									1250	Unknown		
96	MELO-CORR	YES	556.2		4.23	34.95	39.18	220	Valve	556.2	Valve	65439.72	36	0.312	52	0.15	0.05	1.22	0.16	0.25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
97	GirthWeld		591.15		39.18	39.8	39.8	230	Valve	591.15	Valve	65404.77	36	0.312	52					0.1	335			649									1250	Unknown		
98	GirthWeld		630.95		39.8	39.72	39.72	240	Valve	630.95	Valve	65364.97	36	0.312	52					12:24	335			649									1250	Unknown		
99	GirthWeld		670.67		39.72	39.8	39.81	250	Valve	670.67	Valve	65325.25	36	0.312	52					11:32	335			649									1250	Unknown		
100	MELO-CORR	YES	704.3		33.63	6.18	39.81	250	Valve	704.3	Valve	65291.62	36	0.312	52	0.15	0.05	1.22	0.24	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
101	GirthWeld		710.47		39.8	38.96	38.96	260	Valve	710.47	Valve	65285.45	36	0.312	52					0.05	335			649									1250	Unknown		
102	GirthWeld		749.43		38.96	39.8	39.79	270	Valve	749.43	Valve	65246.49	36	0.312	52					0.5	335			649									1250	Unknown		
103	GirthWeld		789.23		39.8	39.55	39.55	280	Valve	789.23	Valve	65206.69	36	0.312	52					10:48	335			649									1250	Unknown		
104	GirthWeld		828.78		39.55	25.76	25.76	290	Valve	828.78	Valve	65167.14	36	0.312	52					11:04	335			649									1250	Unknown		
105	LWFE-MIFE	n/a	829.75		0.97	24.79	25.76	290	Valve	829.75	Valve	65166.17	36	0.312	52	0.18	0.06	3.31	0.32	0.461111	335			649									3421	Mill Wall Thinning		
106	GirthWeld		854.54		25.76	38.17	38.17	300	Valve	854.54	Valve	65141.38	36	0.312	52					0.440278	335			649									1250	Unknown		
107	GirthWeld		892.71		38.17	39.37	39.36	310	Valve	892.71	Valve	65103.21	36	0.312	52					0.054167	335			649									1250	Unknown		
108	GirthWeld		932.08		39.37	17.6	17.6	320	Valve	932.08	Valve	65063.85	36	0.312	52					12:16	335			649									1250	Unknown		
109	GirthWeld		949.68		17.6	21.61	21.61	330	Valve	949.68	Valve	65046.24	36	0.312	52					12:30	335			649									1250	Unknown		
110	GirthWeld		971.29		21.61	39.79	39.79	340	Valve	971.29	Valve	65024.63	36	0.312	52					0.476389	335			649									1250	Unknown		
111	GirthWeld		1011.08		39.79	39.72	39.72	350	Valve	1011.08	Valve	64984.84	36	0.312	52					0.4375	335			649									1250	Unknown		
112	GirthWeld		1050.8		39.72	39.78	39.78	360	Valve	1050.8	Valve	64945.12	36	0.312	52					0.077778	335			649									1250	Unknown		
113	GirthWeld		1090.58		39.78	39.02	39.02	370	Valve	1090.58	Valve	64905.34	36	0.312	52					12:30	335			649									1250	Unknown		
115	CLUSTER	YES	1091.5		0.92	38.1	39.02	370	Valve	1091.5	Valve	64904.42	36	0.312	52	0.16	0.05	5.51	0.60	5:55	335	1013	729	649	0.46	1.13							1250	Unknown		
117	MELO-CORR	YES	1098.81		8.23	30.78	39.02	370	Valve	1098.81	Valve	64897.11	36	0.312	52	0.16	0.05	1.10	0.16	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
118	GirthWeld		1129.6		39.02	39.67	39.68	380	Valve	1129.6	Valve	64866.32	36	0.312	52					0.479167	335			649									1250	Unknown		
119	GirthWeld		1169.27		39.67	39.77	39.76	390	Valve	1169.27	Valve	64826.65	36	0.312	52					0.436111	335			649									1250	Unknown		
121	CLUSTER	YES	1189.66		20.39	19.38	39.76	390	Valve	1189.66	Valve	64806.26	36	0.312	52	0.16	0.05	1.19	0.47	6:30	335	1069	769	649	0.44	1.19							1250	Unknown		
123	GirthWeld		1209.04		39.77	39.7	39.71	400	Valve	1209.04	Valve	64786.88	36	0.312	52					2:12	335			649									1250	Unknown		
124	GirthWeld		1248.74		39.7	39.74	39.73	410	Valve	1248.74	Valve	64747.17	36	0.312	52					0.513194	335			649									1250	Unknown		
126	CLUSTER	YES	1251.35		2.61	37.13	39.73	410	Valve	1251.35	Valve	64744.57	36	0.312	52	0.18	0.06	1.25	0.60	0.271528	335	1067	768	649	0.44	1.18							1250	Unknown		
128	GirthWeld		1288.48		39.74	39.85	39.85	420	Valve	1288.48	Valve	64707.44	36	0.312	52					0.479167	335			649									1250	Unknown		
129	MELO-CORR	YES	1292.1		3.62	36.23	39.85	420	Valve	1292.1	Valve	64703.82	36	0.312	52	0.15	0.05	1.10	0.16	6:33	335	1070	770	649	0.43	1.19							1598	Metal Loss		
130	GirthWeld		1328.33		39.85	39.79	39.79	430	Valve	1328.33	Valve	64667.59	36	0.312	52					11:05	335			649									1250	Unknown		
131	MELO-CORR	YES	1330.59		2.26	37.53	39.79	430	Valve	1330.59	Valve	64665.33	36	0.312	52	0.17	0.05	1.14	0.20	0.25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
132	GirthWeld		1368.12		39.79	39.81	39.81	440	Valve	1368.12	Valve	64627.8	36	0.312	52					0.05	335			649									1250	Unknown		
133	GirthWeld		1407.93		39.81	39.78	39.78	450	Valve	1407.93	Valve	64587.99	36	0.312	52					0.526389	335			649									1250	Unknown		
135	CLUSTER	YES	1428.31		20.38	19.39	39.78	450	Valve	1428.31	Valve	64567.61	36	0.312	52	0.15	0.05	15.00	1.57	5:54	335	973	701	649	0.48	1.09							1250	Unknown		
140	GirthWeld		1447.71		39.78	39.66	39.66	460	Valve	1447.71	Valve	64548.21	36	0.312	52					11:10	335			649									1250	Unknown		
141	GirthWeld		1487.37		39.66	39.77	39.77	470	Valve	1487.37	Valve	64508.55	36	0.312	52					0.059722	335			649									1250	Unknown		
142	LWFE-MIFE	n/a	1488.14		0.77	39	39.77	470	Valve	1488.14	Valve	64507.78	36	0.312	52	0.17	0.05	1.85	0.28	0.059722	335			649									3421	Mill Wall Thinning		
143	GirthWeld		1527.14		39.77	8.76	8.76	480	Valve	1527.14	Valve	64468.78	36	0.312	52					0.508333	335			649									1250	Unknown		
144	GirthWeld		1535.9		8.76	39.73	39.73	490	Valve	1535.9	Valve	64460.02	36	0.312	52					11:54	335			649									1250	Unknown		
145	GirthWeld		1575.63		39.73	38.78	38.78	500	Valve	1575.63	Valve	64420.29	36	0.312	52					1:14	335			649									1250	Unknown		
146	GirthWeld		1614.41		38.78	39.71	39.71	510	Valve	1614.41	Valve	64381.51	36	0.312	52					0.511111	335			649									1250	Unknown		
147	MELO-CORR	YES	1643.51		29.1	10.61	39.71	510	Valve	1643.51	Valve	64352.41	36	0.312	52	0.15	0.05	1.10	0.20	0.234028	335	1070	770	649	0.43	1.19							1598	Metal Loss		
148	GirthWeld		1654.12		39.71	39.93	39.93	520	Valve	1654.12	Valve	64341.8	36	0.312	52					0.452778	335			649									1250	Unknown		
149	GirthWeld		1694.05		39.93	39.73	39.73	530	Valve	1694.05	Valve	64301.87	36	0.312	52					8:50	335			649									1250	Unknown		
150	GirthWeld		1733.78		39.73	5.2	5.2	540	Valve	1733.78	Valve	64262.14	36	0.312	52					10:06	335			649									1250	Unknown		
152	CLUSTER	YES	1734.35		0.57	4.63	5.2	540	Valve	1734.35	Valve	64261.57	36	0.312	52	0.17	0.05	3.01	1.54	0.19375	335	1042	750	649	0.45	1.16							1250	Unknown		
156	CLUSTER	YES	1735.63		1.85	3.36	5.2	540	Valve	1735.63	Valve	64260.29	36	0.312	52	0.15	0.05	2.47	1.07	0.311806	335	1054	759	649	0.44	1.17							1250	Unknown		
158	GirthWeld		1738.98		5.2	10.5	10.5	550	Valve	1738.98	Valve	64256.94	36	0.438	52					0.273611	335			911									1250	Unknown		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
159	MIFE	n/a	1740.4		1.42	9.08	10.5	550	Valve	1740.4	Valve	64255.52	36	0.438	52					3:08	335			911									2167	Mill Anomaly		
160	LWFE	n/a	1740.57		1.59	8.92	10.5	550	Valve	1740.57	Valve	64255.35	36	0.438	52					6:34	335			911									2168	seam weld anomaly		
161	MIFE	n/a	1740.59		1.61	8.89	10.5	550	Valve	1740.59	Valve	64255.33	36	0.438	52					0.136806	335			911									2167	Mill Anomaly		
162	MIFE	n/a	1741.3		2.32	8.18	10.5	550	Valve	1741.3	Valve	64254.62	36	0.438	52					0.129167	335			911									2167	Mill Anomaly		
163	MIFE	n/a	1741.63		2.65	7.85	10.5	550	Valve	1741.63	Valve	64254.29	36	0.438	52					0.128472	335			911									2167	Mill Anomaly		
164	MIFE	n/a	1741.96		2.98	7.52	10.5	550	Valve	1741.96	Valve	64253.96	36	0.438	52					2:47	335			911									2167	Mill Anomaly		
165	MIFE	n/a	1742.02		3.04	7.46	10.5	550	Valve	1742.02	Valve	64253.9	36	0.438	52					2:58	335			911									2167	Mill Anomaly		
166	MIFE	n/a	1742.05		3.07	7.43	10.5	550	Valve	1742.05	Valve	64253.87	36	0.438	52					0.109722	335			911									2167	Mill Anomaly		
167	MIFE	n/a	1742.12		3.14	7.36	10.5	550	Valve	1742.12	Valve	64253.8	36	0.438	52					0.118056	335			911									2167	Mill Anomaly		
168	MIFE	n/a	1742.18		3.2	7.3	10.5	550	Valve	1742.18	Valve	64253.74	36	0.438	52					0.115972	335			911									2167	Mill Anomaly		
169	MIFE	n/a	1742.24		3.26	7.24	10.5	550	Valve	1742.24	Valve	64253.68	36	0.438	52					2:51	335			911									2167	Mill Anomaly		
170	MIFE	n/a	1744.4		5.42	5.08	10.5	550	Valve	1744.4	Valve	64251.52	36	0.438	52					7:44	335			911									2167	Mill Anomaly		
171	MIFE	n/a	1744.61		5.63	4.87	10.5	550	Valve	1744.61	Valve	64251.31	36	0.438	52					0.320833	335			911									2167	Mill Anomaly		
172	MIFE	n/a	1745.08		6.1	4.4	10.5	550	Valve	1745.08	Valve	64250.84	36	0.438	52					0.335417	335			911									2167	Mill Anomaly		
173	MIFE	n/a	1745.29		6.31	4.19	10.5	550	Valve	1745.29	Valve	64250.63	36	0.438	52					0.3625	335			911									2167	Mill Anomaly		
174	MIFE	n/a	1745.9		6.92	3.58	10.5	550	Valve	1745.9	Valve	64250.02	36	0.438	52					8:25	335			911									2167	Mill Anomaly		
175	MELO-CORR	YES	1745.93		6.95	3.55	10.5	550	Valve	1745.93	Valve	64249.99	36	0.438	52	0.18	0.08	0.79	0.59	6:33	335	1505	1084	911	0.31	1.19						near seam weld	1598	Metal Loss		
176	MIFE	n/a	1746.39		7.41	3.09	10.5	550	Valve	1746.39	Valve	64249.53	36	0.438	52					0.358333	335			911									2167	Mill Anomaly		
177	GirthWeld		1749.48		10.5	5.45	5.45	560	Valve	1749.48	Valve	64246.44	36	0.312	52					0.063889	335			649									1250	Unknown		
179	CLUSTER	YES	1753.11		3.63	1.82	5.45	560	Valve	1753.11	Valve	64242.81	36	0.312	52	0.18	0.06	5.78	1.54	0.25	335	1001	721	649	0.46	1.13							1250	Unknown		
184	MELO-CORR	YES	1754.18		4.69	0.75	5.45	560	Valve	1754.18	Valve	64241.74	36	0.312	52	0.15	0.05	1.10	0.20	5:01	335	1070	770	649	0.43	1.19							1598	Metal Loss		
185	GirthWeld		1754.93		5.45	5.38	5.39	570	Valve	1754.93	Valve	64240.99	36	0.312	52					12:51	335			649									1250	Unknown		
186	GirthWeld		1760.31		5.38	39.89	39.89	580	Valve	1760.31	Valve	64235.61	36	0.312	52					0.429167	335			649									1250	Unknown		
187	MELO-CORR	YES	1761.77		1.46	38.44	39.89	580	Valve	1761.77	Valve	64234.15	36	0.312	52	0.15	0.05	1.10	0.20	0.284028	335	1070	770	649	0.43	1.19							1598	Metal Loss		
189	CLUSTER	YES	1762.14		1.83	38.06	39.89	580	Valve	1762.14	Valve	64233.78	36	0.312	52	0.17	0.05	5.21	1.13	0.239583	335	1012	729	649	0.46	1.13							1250	Unknown		
192	CLUSTER	YES	1762.19		1.88	38.01	39.89	580	Valve	1762.19	Valve	64233.72	36	0.312	52	0.2	0.06	4.02	1.35	6:09	335	1018	733	649	0.46	1.14							1250	Unknown		
198	MELO-CORR	YES	1763.82		3.51	36.39	39.89	580	Valve	1763.82	Valve	64232.1	36	0.312	52	0.15	0.05	1.14	0.24	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
199	MELO-CORR	YES	1770.86		10.55	29.34	39.89	580	Valve	1770.86	Valve	64225.06	36	0.312	52	0.16	0.05	1.14	0.24	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
201	CLUSTER	YES	1775.59		15.28	24.62	39.89	580	Valve	1775.59	Valve	64220.33	36	0.312	52	0.17	0.05	8.28	2.77	0.222917	335	985	709	649	0.47	1.11							1250	Unknown		
207	MELO-CORR	YES	1778.05		17.74	22.15	39.89	580	Valve	1778.05	Valve	64217.87	36	0.312	52	0.16	0.05	1.22	0.16	0.1625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
209	CLUSTER	YES	1779.34		19.03	20.86	39.89	580	Valve	1779.34	Valve	64216.58	36	0.312	52	0.15	0.05	7.39	0.91	6:29	335	1002	721	649	0.46	1.11							1250	Unknown		
214	CLUSTER	YES	1780.72		20.41	19.48	39.89	580	Valve	1780.72	Valve	64215.2	36	0.312	52	0.18	0.06	15.38	5.18	5:59	335	951	685	649	0.49	1.09							1250	Unknown		
227	CLUSTER	YES	1785.93		25.62	14.27	39.89	580	Valve	1785.93	Valve	64209.99	36	0.312	52	0.15	0.05	7.99	1.04	0.234028	335	998	719	649	0.47	1.11							1250	Unknown		
232	CLUSTER	YES	1788.93		28.62	11.27	39.89	580	Valve	1788.93	Valve	64206.99	36	0.312	52	0.19	0.06	24.40	3.83	0.267361	335	931	670	649	0.50	1.07							1250	Unknown		
245	CLUSTER	YES	1791.19		30.88	9.01	39.89	580	Valve	1791.19	Valve	64204.73	36	0.312	52	0.16	0.05	11.80	2.36	0.263194	335	975	702	649	0.48	1.10							1250	Unknown		
253	MELO-CORR	YES	1793.13		32.82	7.07	39.89	580	Valve	1793.13	Valve	64202.79	36	0.312	52	0.16	0.05	1.14	0.24	8:15	335	1069	770	649	0.44	1.19							1598	Metal Loss		
255	CLUSTER	YES	1795.72		35.41	4.48	39.89	580	Valve	1795.72	Valve	64200.2	36	0.312	52	0.15	0.05	7.42	2.70	6:02	335	1002	721	649	0.46	1.12							1250	Unknown		
261	CLUSTER	YES	1797.88		37.57	2.33	39.89	580	Valve	1797.88	Valve	64198.04	36	0.312	52	0.17	0.05	13.61	3.87	0.242361	335	962	693	649	0.48	1.08							1250	Unknown		
275	CLUSTER	YES	1799.18		38.88	1.02	39.89	580	Valve	1799.18	Valve	64196.74	36	0.312	52	0.21	0.07	8.83	3.49	0.241667	335	958	690	649	0.49	1.11							1250	Unknown		
280	GirthWeld		1800.2		39.89	39.72	39.72	590	Valve	1800.2	Valve	64195.72	36	0.312	52					0.4	335			649									1250	Unknown		
282	CLUSTER	YES	1800.33		0.13	39.59	39.72	590	Valve	1800.33	Valve	64195.59	36	0.312	52	0.28	0.09	32.00	5.59	5:48	335	852	613	649	0.55	1.04							1250	Unknown		
285	MELO-CORR	YES	1800.66		0.46	39.26	39.72	590	Valve	1800.66	Valve	64195.26	36	0.312	52	0.15	0.05	1.22	0.20	5:22	335	1069	769	649	0.44	1.19							1598	Metal Loss		
310	MELO-CORR	YES	1803.14		2.94	36.78	39.72	590	Valve	1803.14	Valve	64192.78	36	0.312	52	0.24	0.08	1.22	0.20	0.255556	335	1064	766	649	0.44	1.18							1598	Metal Loss		
311	MELO-CORR	YES	1806.65		6.44	33.28	39.72	590	Valve	1806.65	Valve	64189.28	36	0.312	52	0.19	0.06	1.10	0.20	0.297917	335	1068	769	649	0.44	1.19							1598	Metal Loss		
312	MELO-CORR	YES	1809.06		8.86	30.86	39.72	590	Valve	1809.06	Valve	64186.86	36	0.312	52	0.15	0.05	1.10	0.20	0.236806	335	1070	770	649	0.43	1.19							1598	Metal Loss		
313	MELO-CORR	YES	1809.57		9.37	30.35	39.72	590	Valve	1809.57	Valve	64186.35	36	0.312	52	0.18	0.06	1.22	0.20	5:29	335	1067	768	649	0.44	1.18							1598	Metal Loss		
314	MELO-CORR	YES	1810.56		10.36	29.36	39.72	590	Valve	1810.56	Valve	64185.36	36	0.312	52	0.23	0.07	1.22	0.16	7:09	335	1065	767	649	0.44	1.18							1598	Metal Loss		
315	MELO-CORR	YES	1811.63		11.43	28.3	39.72	590	Valve	1811.63	Valve	64184.29	36	0.312	52	0.15	0.05	1.18	0.20	0.289583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
316	MELO-CORR	YES	1812.03		11.83	27.9	39.72	590	Valve	1812.03	Valve	64183.89	36	0.312	52	0.15	0.05	1.14	0.16	0.229167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
317	MELO-CORR	YES	1813.65		13.45	26.28	39.72	590	Valve	1813.65	Valve	64182.27	36	0.312	52	0.21	0.07	1.14	0.16	0.227778	335	1067	768	649	0.44	1.18							1598	Metal Loss		
319	CLUSTER	YES	1813.86		13.66	26.06	39.72	590	Valve	1813.86	Valve	64182.06	36	0.312	52	0.17	0.05	1.22	0.44	5:25	335	1068	769	649	0.44	1.18							1250	Unknown		
322	CLUSTER	YES	1814.03		13.83	25.89	39.72	590	Valve	1814.03	Valve	64181.89	36	0.312	52	0.16	0.05	3.17	0.82	6:57	335	1042	751	649	0.45	1.16							1250	Unknown		
325	CLUSTER	YES	1817.12		16.91	22.81	39.72	590	Valve	1817.12	Valve	64178.81	36	0.312	52	0.16	0.05	1.79	2.23	0.279167	335	1062	764	649	0.44	1.18							1250	Unknown		
327	MELO-CORR	YES	1818.32		18.12	21.6	39.72	590	Valve	1818.32	Valve	64177.6	36	0.312	52	0.26	0.08	1.10	0.24	0.284028	335	1065	767	649	0.44	1.18							1598	Metal Loss		
328	MELO-CORR	YES	1819.06		18.86	20.86	39.72	590	Valve	1819.06	Valve	64176.86	36	0.312	52	0.18	0.06	1.18	0.39	0.286111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
329	MELO-CORR	YES	1821.91		21.71	18.02	39.72	590	Valve	1821.91	Valve	64174.01	36	0.312	52	0.16	0.05	1.10	0.20	6:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
330	MELO-CORR	YES	1823.99		23.79	15.93	39.72	590	Valve	1823.99	Valve	64171.92	36	0.312	52	0.16	0.05	1.10	0.20	7:10	335	1069	770	649	0.44	1.19							1598	Metal Loss		
331	MELO-CORR	YES	1824.37		24.17	15.55	39.72	590	Valve	1824.37	Valve	64171.55	36	0.312	52	0.18	0.06	1.18	0.20	0.293056	335	1068	769	649	0.44	1.18							1598	Metal Loss		
332	MELO-CORR	YES	1825.55		25.35	14.38	39.72	590	Valve	1825.55	Valve	64170.37	36	0.312	52	0.23	0.07	1.06	0.20	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
333	MELO-CORR	YES	1825.98		25.78	13.94	39.72	590	Valve	1825.98	Valve	64169.94	36	0.312	52	0.16	0.05	1.10	0.16	0.267361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
334	MELO-CORR	YES	1828.26		28.06	11.66	39.72	590	Valve	1828.26	Valve	64167.66	36	0.312	52	0.17	0.05	1.10	0.20	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
336	CLUSTER	YES	1830.48		30.28	9.44	39.72	590	Valve	1830.48	Valve	64165.44	36	0.312	52	0.27	0.08	3.10	0.35	6:16	335	1016	732	649	0.46	1.14							1250	Unknown		
338	MELO-CORR	YES	1833.36		33.16	6.56	39.72	590	Valve	1833.36	Valve	64162.56	36	0.312	52	0.16	0.05	1.18	0.20	0.260417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
339	MELO-CORR	YES	1834.73		34.53	5.19	39.72	590	Valve	1834.73	Valve	64161.19	36	0.312	52	0.22	0.07	1.14	0.20	0.261111	335	1066	768	649	0.44	1.18							1598	Metal Loss		
340	MELO-CORR	YES	1837.15		36.95	2.77	39.72	590	Valve	1837.15	Valve	64158.77	36	0.312	52	0.16	0.05	1.10	0.20	0.260417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
341	GirthWeld		1839.92		39.72	39.79	39.78	600	Valve	1839.92	Valve	64156	36	0.312	52					2:14	335			649									1250	Unknown		
342	GirthWeld		1879.71		39.79	38.56	38.56	610	Valve	1879.71	Valve	64116.21	36	0.312	52					1:40	335			649									1250	Unknown		
343	MELO-CORR	YES	1881.82		2.11	36.45	38.56	610	Valve	1881.82	Valve	64114.1	36	0.312	52	0.16	0.05	1.22	0.16	0.275694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
345	CLUSTER	YES	1883.83		4.12	34.44	38.56	610	Valve	1883.83	Valve	64112.09	36	0.312	52	0.15	0.05	1.28	0.41	0.268056	335	1068	769	649	0.44	1.18							1250	Unknown		
348	CLUSTER	YES	1908.61		28.9	9.66	38.56	610	Valve	1908.61	Valve	64087.31	36	0.312	52	0.18	0.06	2.47	2.14	0.245833	335	1049	755	649	0.44	1.17							1250	Unknown		
350	GirthWeld		1918.27		38.56	5.18	5.18	620	Valve	1918.27	Valve	64077.65	36	0.312	52					2:57	335			649									1250	Unknown		
351	GirthWeld		1923.45		5.18	39.69	39.68	630	Valve	1923.45	Valve	64072.47	36	0.312	52					1:36	335			649									1250	Unknown		
352	MELO-CORR	YES	1961.07		37.62	2.06	39.68	630	Valve	1961.07	Valve	64034.85	36	0.312	52	0.16	0.05	1.10	0.20	0.234028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
353	GirthWeld		1963.14		39.69	39.86	39.86	640	Valve	1963.14	Valve	64032.78	36	0.312	52					0.380556	335			649									1250	Unknown		
354	MELO-CORR	YES	1964.02		0.88	38.98	39.86	640	Valve	1964.02	Valve	64031.9	36	0.312	52	0.18	0.06	1.14	0.20	0.214583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
355	MELO-CORR	YES	1964.3		1.16	38.7	39.86	640	Valve	1964.3	Valve	64031.62	36	0.312	52	0.15	0.05	1.14	0.20	6:29	335	1069	770	649	0.44	1.19							1598	Metal Loss		
356	GirthWeld		2003		39.86	35.51	35.51	650	Valve	2003	Valve	63992.92	36	0.312	52					11:34	335			649									1250	Unknown		
357	MELO-CORR	YES	2006.41		3.41	32.1	35.51	650	Valve	2006.41	Valve	63989.51	36	0.312	52	0.15	0.05	1.22	0.20	0.251389	335	1069	769	649	0.44	1.19							1598	Metal Loss		
358	MELO-CORR	YES	2018.95		15.95	19.56	35.51	650	Valve	2018.95	Valve	63976.97	36	0.312	52	0.17	0.05	1.14	0.20	0.252083	335	1069	769	649	0.44	1.19							1598	Metal Loss		
359	GirthWeld		2038.51		35.51	39.78	39.78	660	Valve	2038.51	Valve	63957.41	36	0.312	52					0.540278	335			649									1250	Unknown		
360	MELO-CORR	YES	2050.03		11.52	28.26	39.78	660	Valve	2050.03	Valve	63945.89	36	0.312	52	0.15	0.05	0.98	0.20	5:56	335	1071	771	649	0.43	1.19							1598	Metal Loss		
361	MELO-CORR	YES	2075.68		37.17	2.61	39.78	660	Valve	2075.68	Valve	63920.24	36	0.312	52	0.29	0.09	2.01	0.39	6:03	335	1042	750	649	0.45	1.16							1598	Metal Loss		
362	GirthWeld		2078.29		39.78	39.69	39.7	670	Valve	2078.29	Valve	63917.63	36	0.312	52					0.513194	335			649									1250	Unknown		
364	CLUSTER	YES	2086.4		8.11	31.58	39.7	670	Valve	2086.4	Valve	63909.52	36	0.312	52	0.18	0.06	3.28	2.04	0.253472	335	1036	746	649	0.45	1.16							1250	Unknown		
366	MELO-CORR	YES	2103.52		25.23	14.47	39.7	670	Valve	2103.52	Valve	63892.4	36	0.312	52	0.15	0.05	1.22	0.20	0.235417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
368	CLUSTER	YES	2104.6		26.31	13.38	39.7	670	Valve	2104.6	Valve	63891.32	36	0.312	52	0.16	0.05	7.19	1.04	6:17	335	998	719	649	0.47	1.12							1250	Unknown		
373	MELO-CORR	YES	2106.52		28.23	11.47	39.7	670	Valve	2106.52	Valve	63889.4	36	0.312	52	0.15	0.05	1.22	0.20	5:39	335	1069	769	649	0.44	1.19							1598	Metal Loss		
374	MELO-CORR	YES	2107.07		28.78	10.92	39.7	670	Valve	2107.07	Valve	63888.85	36	0.312	52	0.15	0.05	1.14	0.63	0.234722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
375	MELO-CORR	YES	2110.43		32.14	7.55	39.7	670	Valve	2110.43	Valve	63885.49	36	0.312	52	0.21	0.07	1.18	0.16	0.261806	335	1066	768	649	0.44	1.18							1598	Metal Loss		
376	MELO-CORR	YES	2112.38		34.09	5.61	39.7	670	Valve	2112.38	Valve	63883.54	36	0.312	52	0.18	0.06	1.02	0.16	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
377	MELO-CORR	YES	2115.59		37.3	2.39	39.7	670	Valve	2115.59	Valve	63880.33	36	0.312	52	0.15	0.05	1.14	0.24	6:25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
378	MELO-CORR	YES	2117.15		38.86	0.83	39.7	670	Valve	2117.15	Valve	63878.77	36	0.312	52	0.15	0.05	1.14	0.20	5:39	335	1069	770	649	0.44	1.19							1598	Metal Loss		
379	MELO-CORR	YES	2117.18		38.89	0.8	39.7	670	Valve	2117.18	Valve	63878.74	36	0.312	52	0.15	0.05	1.10	0.20	0.265278	335	1070	770	649	0.43	1.19							1598	Metal Loss		
380	GirthWeld		2117.98		39.69	33.66	33.66	680	Valve	2117.98	Valve	63877.94	36	0.312	52					0.483333	335			649									1250	Unknown		
382	CLUSTER	YES	2121.34		3.36	30.3	33.66	680	Valve	2121.34	Valve	63874.58	36	0.312	52	0.18	0.06	10.91	4.87	0.234722	335	965	695	649	0.48	1.10							1250	Unknown		
385	MELO-CORR	YES	2121.71		3.73	29.93	33.66	680	Valve	2121.71	Valve	63874.21	36	0.312	52	0.18	0.06	1.14	0.16	6:24	335	1068	769	649	0.44	1.19							1598	Metal Loss		
390	CLUSTER	YES	2131.89		13.91	19.75	33.66	680	Valve	2131.89	Valve	63864.03	36	0.312	52	0.15	0.05	1.19	0.35	6:20	335	1069	770	649	0.44	1.19							1250	Unknown		
392	MELO-CORR	YES	2132.82		14.84	18.83	33.66	680	Valve	2132.82	Valve	63863.1	36	0.312	52	0.15	0.05	1.14	0.20	0.260417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
394	CLUSTER	YES	2138.41		20.43	13.23	33.66	680	Valve	2138.41	Valve	63857.51	36	0.312	52	0.23	0.07	9.48	1.32	0.247917	335	941	677	649	0.49	1.10							1250	Unknown		
397	GirthWeld		2151.64		33.66	36.82	36.81	690	Valve	2151.64	Valve	63844.28	36	0.312	52					0.378472	335			649									1250	Unknown		
398	MELO-CORR	YES	2159.28		7.64	29.17	36.81	690	Valve	2159.28	Valve	63836.63	36	0.312	52	0.19	0.06	1.22	0.24	6:00	335	1067	768	649	0.44	1.18							1598	Metal Loss		
400	CLUSTER	YES	2171.29		19.65	17.17	36.81	690	Valve	2171.29	Valve	63824.63	36	0.312	52	0.18	0.06	1.28	0.35	5:31	335	1066	768	649	0.44	1.18							1250	Unknown		
402	MELO-CORR	YES	2183.97		32.34	4.48	36.81	690	Valve	2183.97	Valve	63811.95	36

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
435	MELO-CORR	YES	2215.44		26.98	12.75	39.73	700	Valve	2215.44	Valve	63780.48	36	0.312	52	0.18	0.06	1.18	0.20	5:15	335	1068	769	649	0.44	1.18							1598	Metal Loss		
436	MELO-CORR	YES	2216.91		28.45	11.28	39.73	700	Valve	2216.91	Valve	63779.01	36	0.312	52	0.15	0.05	1.14	0.16	5:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
438	CLUSTER	YES	2217.47		29.01	10.72	39.73	700	Valve	2217.47	Valve	63778.45	36	0.312	52	0.18	0.06	5.38	0.82	0.206944	335	1006	724	649	0.46	1.13							1250	Unknown		
441	MELO-CORR	YES	2218.42		29.96	9.76	39.73	700	Valve	2218.42	Valve	63777.5	36	0.312	52	0.19	0.06	1.10	0.35	0.270139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
442	MELO-CORR	YES	2221.28		32.82	6.91	39.73	700	Valve	2221.28	Valve	63774.64	36	0.312	52	0.15	0.05	1.10	0.20	0.21875	335	1070	770	649	0.43	1.19							1598	Metal Loss		
444	CLUSTER	YES	2227.01		38.55	1.18	39.73	700	Valve	2227.01	Valve	63768.91	36	0.312	52	0.2	0.06	2.94	0.85	6:31	335	1037	746	649	0.45	1.15							1250	Unknown		
447	GirthWeld		2228.19		39.73	33.02	33.03	710	Valve	2228.19	Valve	63767.73	36	0.312	52					1:35	335			649									1250	Unknown		
448	MELO-CORR	YES	2231.05		2.86	30.16	33.03	710	Valve	2231.05	Valve	63764.87	36	0.312	52	0.16	0.05	1.10	0.35	0.275694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
449	MELO-CORR	YES	2233.65		5.45	27.57	33.03	710	Valve	2233.65	Valve	63762.28	36	0.312	52	0.15	0.05	1.10	0.16	0.227778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
450	MELO-CORR	YES	2233.95		5.76	27.26	33.03	710	Valve	2233.95	Valve	63761.97	36	0.312	52	0.18	0.06	1.10	0.16	0.227083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
452	CLUSTER	YES	2257.33		29.14	3.88	33.03	710	Valve	2257.33	Valve	63738.59	36	0.312	52	0.18	0.06	8.16	2.45	5:59	335	980	706	649	0.47	1.11							1250	Unknown		
457	GirthWeld		2261.21		33.02	39.84	39.84	720	Valve	2261.21	Valve	63734.71	36	0.312	52					10:19	335			649									1250	Unknown		
459	CLUSTER	YES	2265.58		4.37	35.46	39.84	720	Valve	2265.58	Valve	63730.34	36	0.312	52	0.16	0.05	1.21	0.41	0.228472	335	1068	769	649	0.44	1.18							1250	Unknown		
461	MELO-CORR	YES	2268.28		7.07	32.77	39.84	720	Valve	2268.28	Valve	63727.64	36	0.312	52	0.16	0.05	1.10	0.16	0.226389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
462	MELO-CORR	YES	2276.72		15.51	24.32	39.84	720	Valve	2276.72	Valve	63719.2	36	0.312	52	0.17	0.05	1.14	0.20	0.231944	335	1068	769	649	0.44	1.19							1598	Metal Loss		
463	MELO-CORR	YES	2277.65		16.44	23.4	39.84	720	Valve	2277.65	Valve	63718.27	36	0.312	52	0.15	0.05	1.10	0.20	5:24	335	1070	770	649	0.43	1.19							1598	Metal Loss		
465	CLUSTER	YES	2285.31		24.1	15.74	39.84	720	Valve	2285.31	Valve	63710.61	36	0.312	52	0.23	0.07	4.74	1.89	4:57	335	995	716	649	0.47	1.13							1250	Unknown		
469	CLUSTER	YES	2286.6		25.39	14.45	39.84	720	Valve	2286.6	Valve	63709.32	36	0.312	52	0.21	0.07	2.59	0.54	0.208333	335	1041	750	649	0.45	1.16							1250	Unknown		
472	CLUSTER	YES	2289.43		28.22	11.62	39.84	720	Valve	2289.43	Valve	63706.49	36	0.312	52	0.16	0.05	1.39	1.86	0.227083	335	1066	768	649	0.44	1.18							1250	Unknown		
474	MELO-CORR	YES	2291.22		30.01	9.82	39.84	720	Valve	2291.22	Valve	63704.7	36	0.312	52	0.16	0.05	1.10	0.16	0.226389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
475	MELO-CORR	YES	2292.29		31.08	8.76	39.84	720	Valve	2292.29	Valve	63703.63	36	0.312	52	0.15	0.05	1.22	0.16	5:27	335	1069	769	649	0.44	1.19							1598	Metal Loss		
477	CLUSTER	YES	2292.61		31.39	8.44	39.84	720	Valve	2292.61	Valve	63703.31	36	0.312	52	0.15	0.05	1.30	0.41	5:29	335	1068	769	649	0.44	1.18							1250	Unknown		
479	MELO-CORR	YES	2297.32		36.11	3.73	39.84	720	Valve	2297.32	Valve	63698.6	36	0.312	52	0.15	0.05	1.10	0.20	0.226389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
480	GirthWeld		2301.05		39.84	10.5	10.5	730	Valve	2301.05	Valve	63694.87	36	0.312	52					0.386111	335			649									1250	Unknown		
481	GirthWeld		2311.55		10.5	25.44	25.44	740	Valve	2311.55	Valve	63684.37	36	0.312	52					0.481944	335			649									1250	Unknown		
483	CLUSTER	YES	2313.58		2.03	23.41	25.44	740	Valve	2313.58	Valve	63682.34	36	0.312	52	0.24	0.08	3.19	0.32	6:11	335	1022	736	649	0.46	1.16							1250	Unknown		
485	MELO-CORR	YES	2314.11		2.56	22.88	25.44	740	Valve	2314.11	Valve	63681.81	36	0.312	52	0.15	0.05	1.14	0.16	6:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
486	MELO-CORR	YES	2318.64		7.09	18.35	25.44	740	Valve	2318.64	Valve	63677.28	36	0.312	52	0.15	0.05	1.14	0.20	0.21875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
488	CLUSTER	YES	2321.76		10.21	15.22	25.44	740	Valve	2321.76	Valve	63674.16	36	0.312	52	0.2	0.06	1.18	0.47	0.267361	335	1067	768	649	0.44	1.18							1250	Unknown		
490	MELO-CORR	YES	2322.88		11.33	14.11	25.44	740	Valve	2322.88	Valve	63673.04	36	0.312	52	0.17	0.05	1.18	0.20	0.223611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
491	MELO-CORR	YES	2324.81		13.26	12.17	25.44	740	Valve	2324.81	Valve	63671.11	36	0.312	52	0.16	0.05	1.10	0.24	5:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
493	CLUSTER	YES	2325.89		14.34	11.1	25.44	740	Valve	2325.89	Valve	63670.03	36	0.312	52	0.18	0.06	3.37	0.94	6:31	335	1034	744	649	0.45	1.15							1250	Unknown		
497	CLUSTER	YES	2326.36		14.81	10.63	25.44	740	Valve	2326.36	Valve	63669.56	36	0.312	52	0.16	0.05	1.66	0.60	0.215972	335	1063	766	649	0.44	1.18							1250	Unknown		
500	CLUSTER	YES	2327.01		15.45	9.98	25.44	740	Valve	2327.01	Valve	63668.92	36	0.312	52	0.16	0.05	6.31	2.61	0.258333	335	1005	724	649	0.46	1.13							1250	Unknown		
504	MELO-CORR	YES	2327.49		15.93	9.5	25.44	740	Valve	2327.49	Valve	63668.43	36	0.312	52	0.15	0.05	1.18	0.16	0.222917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
506	CLUSTER	YES	2327.86		16.31	9.12	25.44	740	Valve	2327.86	Valve	63668.06	36	0.312	52	0.16	0.05	1.27	0.60	6:26	335	1068	769	649	0.44	1.18							1250	Unknown		
508	MELO-CORR	YES	2329.29		17.74	7.7	25.44	740	Valve	2329.29	Valve	63666.63	36	0.312	52	0.16	0.05	1.22	0.28	5:25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
510	CLUSTER	YES	2330.77		19.22	6.22	25.44	740	Valve	2330.77	Valve	63665.15	36	0.312	52	0.26	0.08	3.85	1.54	0.268056	335	1001	721	649	0.46	1.13							1250	Unknown		
512	GirthWeld		2336.99		25.44	39.69	39.7	750	Valve	2336.99	Valve	63658.93	36	0.312	52					0.426389	335			649									1250	Unknown		
513	MELO-CORR	YES	2339.58		2.59	37.11	39.7	750	Valve	2339.58	Valve	63656.34	36	0.312	52	0.17	0.05	1.18	0.24	0.265278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
514	MELO-CORR	YES	2340.53		3.54	36.15	39.7	750	Valve	2340.53	Valve	63655.39	36	0.312	52	0.21	0.07	1.22	0.39	5:59	335	1066	767	649	0.44	1.18							1598	Metal Loss		
516	CLUSTER	YES	2342.55		5.56	34.14	39.7	750	Valve	2342.55	Valve	63653.37	36	0.312	52	0.15	0.05	1.45	0.57	5:44	335	1066	768	649	0.44	1.18							1250	Unknown		
518	MELO-CORR	YES	2363.72		26.73	12.96	39.7	750	Valve	2363.72	Valve	63632.2	36	0.312	52	0.15	0.05	1.10	0.16	0.234028	335	1070	770	649	0.43	1.19							1598	Metal Loss		
519	MELO-CORR	YES	2364.91		27.92	11.77	39.7	750	Valve	2364.91	Valve	63631.01	36	0.312	52	0.17	0.05	1.14	0.20	0.209722	335	1069	769	649	0.44	1.19							1598	Metal Loss		
520	MELO-CORR	YES	2366.47		29.48	10.22	39.7	750	Valve	2366.47	Valve	63629.45	36	0.312	52	0.17	0.05	1.18	0.20	0.2875	335	1068	769	649	0.44	1.19							1598	Metal Loss		
521	MELO-CORR	YES	2368.2		31.21	8.48	39.7	750	Valve	2368.2	Valve	63627.72	36	0.312	52	0.17	0.05	1.10	0.20	5:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
523	CLUSTER	YES	2371.59		34.6	5.09	39.7	750	Valve	2371.59	Valve	63624.33	36	0.312	52	0.17	0.05	5.44	0.44	4:55	335	1009	727	649	0.46	1.13							1250	Unknown		
526	CLUSTER	YES	2375.25		38.26	1.44	39.7	750	Valve	2375.25	Valve	63620.67	36	0.312	52	0.17	0.05	1.68	1.82	0.284722	335	1062	765	649	0.44	1.18							1250	Unknown		
529	CLUSTER	YES	2375.5		38.51	1.18	39.7	750	Valve	2375.5	Valve	63620.42	36	0.312	52	0.17	0.05	0.95	1.54	0.272222	335	1070	771	649	0.43	1.19							1250	Unknown		
531	MELO-CORR	YES	2376		39.01	0.69	39.7	750	Valve	2376	Valve	63619.92	36	0.312	52	0.26	0.08	1.30	0.47	0.274306	335	1062	764	649	0.44	1.18							1598	Metal Loss		
532	MELO-CORR	YES	2376.28		39.29	0.41	39.7	750	Valve	2376.28	Valve	63619.64	36	0.312	52	0.27	0.08	0.94	0.28	6:32	335	1067	768	649	0.44	1.18							1598	Metal Loss		
533	MELO-CORR	YES	2376.58		39.59	0.11	39.7	750	Valve	2376.58	Valve	63619.34	36	0.312	52	0.19	0.06	1.02	0.35	5:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
534	GirthWeld		2376.68		39.7	6.78	6.78	760	Valve	2376.68	Valve	63619.24	36	0.312	52					0.064583	335			649									1250	Unknown		
535	MELO-CORR	YES	2377.48		0.8	5.98	6.78	760	Valve	2377.48	Valve	63618.44	36	0.312	52	0.15	0.05	0.94	0.28	0.304167	335	1071	771	649	0.43	1.19							1598	Metal Loss		
536	MELO-CORR	YES	2378.01		1.33	5.46	6.78	760	Valve	2378.01	Valve	63617.91	36	0.312	52	0.15	0.05	0.91	0.39	0.203472	335	1071	771	649	0.43	1.19							1598	Metal Loss		
537	MELO-CORR	YES	2378.67		1.99	4.8	6.78	760	Valve	2378.67	Valve	63617.25	36	0.312	52	0.15	0.05	1.46	0.24	4:21	335	1066	768	649	0.44	1.18							1598	Metal Loss		
538	MELO-CORR	YES	2379.03		2.35	4.43	6.78	760	Valve	2379.03	Valve	63616.89	36	0.312	52	0.16	0.05	0.51	0.16	7:28	335	1073	773	649	0.43	1.19							1598	Metal Loss		
539	GirthWeld		2383.47		6.79	10.86	10.87	770	Valve	2383.47	Valve	63612.46	36	0.438	52					0.529167	335			911									1250	Unknown		
540	MELO-CORR	YES	2383.55		0.08	10.79	10.87	770	Valve	2383.55	Valve	63612.37	36	0.438	52	0.24	0.11	3.82	0.20	0.28125	335	1434	1032	911	0.32	1.14							1598	Metal Loss		
542	CLUSTER	YES	2386.28		2.81	8.06	10.87	770	Valve	2386.28	Valve	63609.64	36	0.438	52	0.24	0.11	2.83	1.60	0.152778	335	1460	1051	911	0.32	1.16							1250	Unknown		
548	CLUSTER	YES	2386.93		3.46	7.4	10.87	770	Valve	2386.93	Valve	63608.99	36	0.438	52	0.22	0.10	4.81	4.21	3:29	335	1418	1021	911	0.33	1.13							1250	Unknown		
558	CLUSTER	YES	2389.21		5.74	5.12	10.87	770	Valve	2389.21	Valve	63606.71	36	0.438	52	0.38	0.17	10.03	3.21	3:35	335	1196	861	911	0.39	1.08							1250	Unknown		
565	CLUSTER	YES	2389.73		6.26	4.61	10.87	770	Valve	2389.73	Valve	63606.19	36	0.438	52	0.39	0.17	5.20	0.82	0.240278	335	1311	944	911	0.35	1.12							1250	Unknown		
572	LWFE-MIFE	n/a	2390.01		6.55	4.32	10.87	770	Valve	2390.01	Valve	63605.9	36	0.438	52	0.23	0.10	0.63	0.43	0.529861	335			911									3421	Mill Wall Thinning		
574	CLUSTER	YES	2390.37		6.9	3.96	10.87	770	Valve	2390.37	Valve	63605.55	36	0.438	52	0.18	0.08	13.44	2.39	0.150694	335	1352	974	911	0.34	1.10							1250	Unknown		
584	GirthWeld		2394.33		10.86	6.3	6.3	780	Valve	2394.33	Valve	63601.59	36	0.312	52					11:16	335			649									1250	Unknown		
585	GirthWeld		2400.63		6.3	5.43	5.43	790	Valve	2400.63	Valve	63595.29	36	0.312	52					3:58	335			649									1250	Unknown		
586	GirthWeld		2406.06		5.43	28.76	28.76	800	Valve	2406.06	Valve	63589.86	36	0.312	52					0.18125	335			649									1250	Unknown		
587	AS_Casing		2410.22		4.16	24.61	28.76	800	Valve	2410.22	Valve	63585.71	36	0.312	52						335			649									1590	Casing		
588	GirthWeld		2434.82		28.76	39.76	39.76	810	Valve	2434.82	Valve	63561.1	36	0.312	52					0.084028	335			649									1250	Unknown		
589	MELO-CORR	YES	2462.61		27.79	11.96	39.76	810	Valve	2462.61	Valve	63533.31	36	0.312	52	0.18	0.06	1.18	0.16	7:44	335	1068	769	649	0.44	1.18							1598	Metal Loss		
590	MELO-CORR	YES	2466.29		31.47	8.29	39.76	810	Valve	2466.29	Valve	63529.63	36	0.312	52	0.15	0.05	1.14	0.16	8:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
591	GirthWeld		2474.58		39.76	38.79	38.79	820	Valve	2474.58	Valve	63521.34	36	0.312	52					0.5375	335			649									1250	Unknown		
593	CLUSTER	YES	2477.1		2.52	36.27	38.79	820	Valve	2477.1	Valve	63518.82	36	0.312	52	0.15	0.05	5.64	0.72	0.23125	335	1016	731	649	0.46	1.13							1250	Unknown		
595	MELO-CORR	YES	2502		27.42	11.37	38.79	820	Valve	2502	Valve	63493.92	36	0.312	52	0.18	0.06	1.14	0.20	0.164583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
596	MELO-CORR	YES	2502.42		27.84	10.95	38.79	820	Valve	2502.42	Valve	63493.5	36	0.312	52	0.15	0.05	1.10	0.20	4:02	335	1070	770	649	0.43	1.19							1598	Metal Loss		
597	GirthWeld		2513.37		38.79	39.19	39.2	830	Valve	2513.37	Valve	63482.55	36	0.312	52					11:34	335			649									1250	Unknown		
599	CLUSTER	YES	2523.14		9.77	29.42	39.2	830	Valve	2523.14	Valve	63472.78	36	0.312	52	0.15	0.05	11.00	1.26	0.238889	335	984	708	649	0.47	1.10							1250	Unknown		
606	GirthWeld		2552.56		39.19	39.74	39.74	840	Valve	2552.56	Valve	63443.36	36	0.312	52					0.041667	335			649									1250	Unknown		
608	CLUSTER	YES	2552.75		0.19	39.56	39.74	840	Valve	2552.75	Valve	63443.17	36	0.312	52	0.21	0.07	11.02	1.26	0.323611	335	945	680	649	0.49	1.09							1250	Unknown		
614	MELO-CORR	YES	2554.47		1.91	37.83	39.74	840	Valve	2554.47	Valve	63441.45	36	0.312	52	0.15	0.05	1.22	0.16	7:53	335	1069	769	649	0.44	1.19							1598	Metal Loss		
615	MELO-CORR	YES	2554.75		2.19	37.55	39.74	840	Valve	2554.75	Valve	63441.17	36	0.312	52	0.15	0.05	1.18	0.20	7:38	335	1069	770	649	0.44	1.19							1598	Metal Loss		
616	AE_Casing		2556.73		4.17	35.57	39.74	840	Valve	2556.73	Valve	63439.19	36	0.312	52						335			649									1590	Casing		
617	MELO-CORR	YES	2561.81		9.25	30.5	39.74	840	Valve	2561.81	Valve	63434.11	36	0.312	52	0.15	0.05	1.14	0.20	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
619	CLUSTER	YES	2573.62		21.06	18.68	39.74	840	Valve	2573.62	Valve	63422.3	36	0.312	52	0.21	0.07	4.56	0.32	0.251389	335	1005	724	649	0.46	1.14							1250	Unknown		
621	MELO-CORR	YES	2590.55		37.99	1.75	39.74	840	Valve	2590.55	Valve	63405.36	36	0.312	52	0.15	0.05	1.10	0.32	5:09	335	1070	770	649	0.43	1.19							1598	Metal Loss		
623	CLUSTER	YES	2591.64		39.08	0.66	39.74	840	Valve	2591.64	Valve	63404.28	36	0.312	52	0.18	0.06	7.79	2.96	5:53	335	983	708	649	0.47	1.11							1250	Unknown		
628	GirthWeld		2592.3		39.74	39.89	39.89	850	Valve	2592.3	Valve	63403.62	36	0.312	52					0.4625	335			649									1250	Unknown		
629	GirthWeld		2632.19		39.89	39.68	39.68	860	Valve	2632.19	Valve	63363.73	36	0.312	52					0.388889	335			649									1250	Unknown		
630	GirthWeld		2671.87		39.68	38.29	38.29	870	Valve	2671.87	Valve	63324.05	36	0.312	52					0.527778	335			649									1250	Unknown		
631	GirthWeld		2710.16		38.29	8.74	8.74	880	Valve	2710.16	Valve	63285.76	36	0.312	52					3:12	335			649									1250	Unknown		
632	GirthWeld		2718.9		8.74	9.69	9.69	890	Valve	2718.9	Valve	63277.02	36	0.312	52					9:02	335			649									1250	Unknown		
633	GirthWeld		2728.59		9.69	39.79	39.79	900	Valve	2728.59	Valve	63267.33	36	0.312	52					0.426389	335			649									1250	Unknown		
634	GirthWeld		2768.38		39.79	39	39	910	Valve	2768.38	Valve	63227.54	36	0.312	52					0.363889	335			649									1250	Unknown		
635	MELO-CORR	YES	2771.74		3.36	35.64	39	910	Valve	2771.74	Valve	63224.18	36	0.312	52	0.16	0.05	1.18	0.94	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
636	MELO-CORR	YES	2785.4		17.02	21.98	39	910	Valve	2785.4	Valve	63210.52	36	0.312	52	0.16	0.05	1.14	0.24	5:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
637	GirthWeld		2807.38		39	39.77	39.77	920	Valve	2807.38	Valve	63188.54	36	0.312	52					1:26	335			649									1250	Unknown		
638	GirthWeld		2847.15		39.77	22.38	22.38	930	Valve	2847.15	Valve	63148.77	36	0.312	52					0.500694	335			649									1250	Unknown		
639	GirthWeld		2869.53		22.38	14.14	14.14	940	Valve	2869.53	Valve	63126.39	36	0.312	52					0.459028	335			649									1250	Unknown		
640	MELO-CORR	YES	2873.03		3.5	10.64	14.14	940	Valve	2873.03	Valve	63122.89	36	0.312	52	0.19	0.06	1.10	0.28	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
641	GirthWeld		2883.67		14.14	37.21	37.22	950	Valve	2883.67	Valve	63112.25	36	0.312	52					3:11	335			649									1250	Unknown		
642	GirthWeld		2920.88		37.21	39.55	39.55	960	Valve	2920.88	Valve	63075.04	36	0.312	52					1:16	335			649									1250	Unknown		
643	GirthWeld		2960.43		39.55	39.74	39.74	970	Valve	2960.43	Valve	63035.49	36	0.312

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
668	CLUSTER	YES	3291.93		14.53	25.2	39.73	1050	Valve	3291.93	Valve	62703.99	36	0.312	52	0.17	0.05	3.22	2.64	5:54	335	1039	748	649	0.45	1.16							1250	Unknown		
670	GirthWeld		3317.14		39.74	39.77	39.78	1060	Valve	3317.14	Valve	62678.78	36	0.312	52					1:45	335			649									1250	Unknown		
671	GirthWeld		3356.91		39.77	39.79	39.78	1070	Valve	3356.91	Valve	62639.01	36	0.312	52					0.497222	335			649									1250	Unknown		
672	GirthWeld		3396.7		39.79	39.79	39.8	1080	Valve	3396.7	Valve	62599.22	36	0.312	52					0.425694	335			649									1250	Unknown		
673	MELO-CORR	YES	3400.9		4.2	35.59	39.8	1080	Valve	3400.9	Valve	62595.02	36	0.312	52	0.18	0.06	1.10	0.16	0.247222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
674	MELO-CORR	YES	3408.1		11.4	28.4	39.8	1080	Valve	3408.1	Valve	62587.82	36	0.312	52	0.24	0.08	1.22	0.47	5:59	335	1064	766	649	0.44	1.18							1598	Metal Loss		
675	GirthWeld		3436.49		39.79	39.8	39.8	1090	Valve	3436.49	Valve	62559.43	36	0.312	52					2:33	335			649									1250	Unknown		
676	MELO-CORR	YES	3444.99		8.51	31.3	39.8	1090	Valve	3444.99	Valve	62550.92	36	0.312	52	0.17	0.05	1.18	0.24	0.249306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
677	GirthWeld		3476.29		39.8	39.71	39.7	1100	Valve	3476.29	Valve	62519.63	36	0.312	52					0.540278	335			649									1250	Unknown		
678	GirthWeld		3516		39.71	39.35	39.36	1110	Valve	3516	Valve	62479.92	36	0.312	52					0.413889	335			649									1250	Unknown		
679	GirthWeld		3555.35		39.35	38.93	38.93	1120	Valve	3555.35	Valve	62440.57	36	0.312	52					12:10	335			649									1250	Unknown		
680	MELO-CORR	YES	3585.88		30.53	8.41	38.93	1120	Valve	3585.88	Valve	62410.04	36	0.312	52	0.16	0.05	1.22	0.20	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
681	GirthWeld		3594.28		38.93	39.74	39.74	1130	Valve	3594.28	Valve	62401.64	36	0.312	52					0.538889	335			649									1250	Unknown		
682	GirthWeld		3634.02		39.74	39.65	39.65	1140	Valve	3634.02	Valve	62361.9	36	0.312	52					0.133333	335			649									1250	Unknown		
683	GirthWeld		3673.67		39.65	39.02	39.02	1150	Valve	3673.67	Valve	62322.25	36	0.312	52					0.427778	335			649									1250	Unknown		
684	GirthWeld		3712.69		39.02	38.3	38.29	1160	Valve	3712.69	Valve	62283.23	36	0.312	52					9:32	335			649									1250	Unknown		
685	MELO-CORR	YES	3722.39		9.7	28.6	38.29	1160	Valve	3722.39	Valve	62273.53	36	0.312	52	0.16	0.05	1.10	0.20	6:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
686	MELO-CORR	YES	3724.63		11.94	26.35	38.29	1160	Valve	3724.63	Valve	62271.29	36	0.312	52	0.24	0.08	1.18	0.20	0.249306	335	1065	766	649	0.44	1.18							1598	Metal Loss		
687	MELO-CORR	YES	3725.7		13.01	25.28	38.29	1160	Valve	3725.7	Valve	62270.21	36	0.312	52	0.15	0.05	1.18	0.16	0.231944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
689	CLUSTER	YES	3728.63		15.94	22.36	38.29	1160	Valve	3728.63	Valve	62267.29	36	0.312	52	0.18	0.06	2.17	1.20	0.263889	335	1054	759	649	0.44	1.17							1250	Unknown		
692	MELO-CORR	YES	3731.1		18.41	19.88	38.29	1160	Valve	3731.1	Valve	62264.82	36	0.312	52	0.24	0.08	1.18	0.20	6:30	335	1065	767	649	0.44	1.18							1598	Metal Loss		
693	MELO-CORR	YES	3733.7		21.01	17.28	38.29	1160	Valve	3733.7	Valve	62262.21	36	0.312	52	0.16	0.05	1.18	0.39	5:42	335	1069	769	649	0.44	1.19							1598	Metal Loss		
694	MELO-CORR	YES	3738.32		25.63	12.66	38.29	1160	Valve	3738.32	Valve	62257.6	36	0.312	52	0.17	0.05	1.10	0.20	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
695	MELO-CORR	YES	3740.61		27.92	10.38	38.29	1160	Valve	3740.61	Valve	62255.31	36	0.312	52	0.15	0.05	1.10	0.20	0.236111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
697	CLUSTER	YES	3741.64		28.95	9.35	38.29	1160	Valve	3741.64	Valve	62254.28	36	0.312	52	0.19	0.06	2.74	2.36	0.261806	335	1043	751	649	0.45	1.16							1250	Unknown		
700	MELO-CORR	YES	3741.94		29.25	9.05	38.29	1160	Valve	3741.94	Valve	62253.98	36	0.312	52	0.19	0.06	1.14	0.20	5:20	335	1068	769	649	0.44	1.18							1598	Metal Loss		
701	MELO-CORR	YES	3742.51		29.82	8.48	38.29	1160	Valve	3742.51	Valve	62253.41	36	0.312	52	0.2	0.06	1.10	0.20	6:03	335	1068	769	649	0.44	1.18							1598	Metal Loss		
702	MELO-CORR	YES	3745.41		32.72	5.58	38.29	1160	Valve	3745.41	Valve	62250.51	36	0.312	52	0.15	0.05	1.22	0.20	0.21875	335	1069	769	649	0.44	1.19							1598	Metal Loss		
704	CLUSTER	YES	3747.87		35.18	3.12	38.29	1160	Valve	3747.87	Valve	62248.05	36	0.312	52	0.15	0.05	3.16	0.69	0.220139	335	1045	752	649	0.45	1.16							1250	Unknown		
706	MELO-CORR	YES	3748.83		36.14	2.16	38.29	1160	Valve	3748.83	Valve	62247.09	36	0.312	52	0.2	0.06	1.10	0.16	0.250694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
707	MELO-CORR	YES	3750.48		37.79	0.5	38.29	1160	Valve	3750.48	Valve	62245.44	36	0.312	52	0.16	0.05	1.18	0.20	6:12	335	1068	769	649	0.44	1.19							1598	Metal Loss		
708	GirthWeld		3750.99		38.3	40	40.01	1170	Valve	3750.99	Valve	62244.93	36	0.312	52					2:14	335			649									1250	Unknown		
709	MELO-CORR	YES	3753.53		2.54	37.47	40.01	1170	Valve	3753.53	Valve	62242.39	36	0.312	52	0.16	0.05	1.10	0.24	0.296528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
710	MELO-CORR	YES	3753.92		2.93	37.07	40.01	1170	Valve	3753.92	Valve	62242	36	0.312	52	0.15	0.05	1.22	0.20	0.296528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
711	MELO-CORR	YES	3755.23		4.24	35.76	40.01	1170	Valve	3755.23	Valve	62240.69	36	0.312	52	0.15	0.05	1.10	0.16	0.256944	335	1070	770	649	0.43	1.19							1598	Metal Loss		
712	MELO-CORR	YES	3756.58		5.59	34.41	40.01	1170	Valve	3756.58	Valve	62239.34	36	0.312	52	0.16	0.05	1.10	0.16	6:21	335	1069	770	649	0.44	1.19							1598	Metal Loss		
713	MELO-CORR	YES	3760.18		9.19	30.81	40.01	1170	Valve	3760.18	Valve	62235.74	36	0.312	52	0.15	0.05	1.22	0.20	3:37	335	1069	769	649	0.44	1.19							1598	Metal Loss		
714	MELO-CORR	YES	3761.15		10.16	29.84	40.01	1170	Valve	3761.15	Valve	62234.77	36	0.312	52	0.17	0.05	1.18	0.24	0.165972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
715	MELO-CORR	YES	3764.47		13.48	26.52	40.01	1170	Valve	3764.47	Valve	62231.45	36	0.312	52	0.15	0.05	1.22	0.20	0.358333	335	1069	769	649	0.44	1.19							1598	Metal Loss		
717	CLUSTER	YES	3764.91		13.92	26.08	40.01	1170	Valve	3764.91	Valve	62231.01	36	0.312	52	0.21	0.07	12.47	3.24	0.248611	335	939	676	649	0.50	1.09							1250	Unknown		
723	CLUSTER	YES	3766.4		15.41	24.6	40.01	1170	Valve	3766.4	Valve	62229.52	36	0.312	52	0.17	0.05	39.86	9.30	5:42	335	937	674	649	0.50	1.07							1250	Unknown		
734	MELO-CORR	YES	3767.02		16.03	23.97	40.01	1170	Valve	3767.02	Valve	62228.9	36	0.312	52	0.15	0.05	1.18	0.20	3:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
764	MELO-CORR	YES	3781.54		30.55	9.45	40.01	1170	Valve	3781.54	Valve	62214.38	36	0.312	52	0.16	0.05	1.10	0.24	0.352083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
765	MELO-CORR	YES	3783.22		32.23	7.78	40.01	1170	Valve	3783.22	Valve	62212.7	36	0.312	52	0.16	0.05	1.10	0.16	0.131944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
767	CLUSTER	YES	3783.62		32.63	7.38	40.01	1170	Valve	3783.62	Valve	62212.3	36	0.312	52	0.16	0.05	1.21	1.57	0.340972	335	1068	769	649	0.44	1.18							1250	Unknown		
770	CLUSTER	YES	3784.21		33.22	6.78	40.01	1170	Valve	3784.21	Valve	62211.71	36	0.312	52	0.19	0.06	10.79	3.55	5:45	335	959	691	649	0.49	1.09							1250	Unknown		
778	MELO-CORR	YES	3785.86		34.87	5.13	40.01	1170	Valve	3785.86	Valve	62210.06	36	0.312	52	0.15	0.05	1.18	0.35	5:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
779	MELO-CORR	YES	3786.1		35.11	4.89	40.01	1170	Valve	3786.1	Valve	62209.82	36	0.312	52	0.15	0.05	1.18	0.24	0.148611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
780	MELO-CORR	YES	3786.59		35.6	4.4	40.01	1170	Valve	3786.59	Valve	62209.33	36	0.312	52	0.15	0.05	1.14	0.16	0.171528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
781	MELO-CORR	YES	3787.58		36.59	3.42	40.01	1170	Valve	3787.58	Valve	62208.34	36	0.312	52	0.15	0.05	1.14	0.20	0.324306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
782	MELO-CORR	YES	3788.43		37.44	2.56	40.01	1170	Valve	3788.43	Valve	62207.49	36	0.312	52	0.15	0.05	1.18	0.39	7:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
784	CLUSTER	YES	3788.66		37.67	2.33	40.01	1170	Valve	3788.66	Valve	62207.26	36	0.312	52	0.24	0.08	1.81	0.66	6:47	335	1053	758	649	0.44	1.17							1250	Unknown		
787	CLUSTER	YES	3789		38.01	2	40.01	1170	Valve	3789	Valve	62206.92	36	0.312	52	0.18	0.06	2.48	2.11	0.213194	335	1049	755	649	0.44	1.17							1250	Unknown		
790	MELO-CORR	YES	3789.44		38.45	1.55	40.01	1170	Valve	3789.44	Valve	62206.48	36	0.312	52	0.15	0.05	1.22	0.20	0.322917	335	1069	769	649	0.44	1.19							1598	Metal Loss		
791	MELO-CORR	YES	3789.93		38.94	1.07	40.01	1170	Valve	3789.93	Valve	62205.99	36	0.312	52	0.21	0.07	1.22	0.16	0.30625	335	1066	767	649	0.44	1.18							1598	Metal Loss		
792	MELO-CORR	YES	3790.66		39.67	0.33	40.01	1170	Valve	3790.66	Valve	62205.26	36	0.312	52	0.16	0.05	1.18	0.16	4:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
793	GirthWeld		3790.99		40	39.71	39.7	1180	Valve	3790.99	Valve	62204.93	36	0.312	52					3:58	335			649									1250	Unknown		
795	CLUSTER	YES	3792.93		1.94	37.76	39.7	1180	Valve	3792.93	Valve	62202.99	36	0.312	52	0.16	0.05	3.08	1.45	0.269444	335	1043	751	649	0.45	1.16							1250	Unknown		
798	CLUSTER	YES	3793.85		2.86	36.84	39.7	1180	Valve	3793.85	Valve	62202.07	36	0.312	52	0.18	0.06	9.30	3.87	0.251389	335	973	701	649	0.48	1.11							1250	Unknown		
805	CLUSTER	YES	3796.83		5.84	33.87	39.7	1180	Valve	3796.83	Valve	62199.09	36	0.312	52	0.19	0.06	8.29	2.48	0.226389	335	973	701	649	0.48	1.11							1250	Unknown		
811	CLUSTER	YES	3798.51		7.52	32.19	39.7	1180	Valve	3798.51	Valve	62197.42	36	0.312	52	0.16	0.05	2.11	0.32	5:33	335	1057	761	649	0.44	1.17							1250	Unknown		
813	MELO-CORR	YES	3798.83		7.84	31.87	39.7	1180	Valve	3798.83	Valve	62197.09	36	0.312	52	0.18	0.06	1.10	0.20	5:40	335	1068	769	649	0.44	1.19							1598	Metal Loss		
814	MELO-CORR	YES	3802.8		11.81	27.9	39.7	1180	Valve	3802.8	Valve	62193.12	36	0.312	52	0.2	0.06	1.14	0.20	0.232639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
815	MELO-CORR	YES	3803.86		12.87	26.84	39.7	1180	Valve	3803.86	Valve	62192.06	36	0.312	52	0.15	0.05	0.87	0.20	0.238194	335	1072	772	649	0.43	1.19							1598	Metal Loss		
816	MELO-CORR	YES	3805.68		14.69	25.02	39.7	1180	Valve	3805.68	Valve	62190.24	36	0.312	52	0.17	0.05	1.10	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
817	MELO-CORR	YES	3814.56		23.57	16.14	39.7	1180	Valve	3814.56	Valve	62181.36	36	0.312	52	0.17	0.05	1.14	0.16	5:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
818	GirthWeld		3830.7		39.71	39.79	39.79	1190	Valve	3830.7	Valve	62165.22	36	0.312	52					10:17	335			649									1250	Unknown		
819	GirthWeld		3870.49		39.79	31.47	31.48	1200	Valve	3870.49	Valve	62125.43	36	0.312	52					0.386806	335			649									1250	Unknown		
820	MELO-CORR	YES	3879.18		8.69	22.78	31.48	1200	Valve	3879.18	Valve	62116.74	36	0.312	52	0.15	0.05	1.10	0.20	0.233333	335	1070	770	649	0.43	1.19							1598	Metal Loss		
821	GirthWeld		3901.96		31.47	7.82	7.81	1210	Valve	3901.96	Valve	62093.96	36	0.312	52					0.481944	335			649									1250	Unknown		
822	GirthWeld		3909.78		7.82	39.65	39.66	1220	Valve	3909.78	Valve	62086.14	36	0.312	52					10:38	335			649									1250	Unknown		
823	GirthWeld		3949.43		39.65	39.49	39.48	1230	Valve	3949.43	Valve	62046.49	36	0.312	52					12:35	335			649									1250	Unknown		
824	MELO-CORR	YES	3968.45		19.02	20.46	39.48	1230	Valve	3968.45	Valve	62027.47	36	0.312	52	0.19	0.06	1.18	0.16	0.238889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
825	GirthWeld		3988.92		39.49	39.72	39.72	1240	Valve	3988.92	Valve	62007	36	0.312	52					0.086111	335			649									1250	Unknown		
826	GirthWeld		4028.64		39.72	34.59	34.59	1250	Valve	4028.64	Valve	61967.28	36	0.312	52					0.417361	335			649									1250	Unknown		
827	MELO-CORR	YES	4059.9		31.26	3.33	34.59	1250	Valve	4059.9	Valve	61936.02	36	0.312	52	0.2	0.06	1.18	0.24	6:09	335	1067	768	649	0.44	1.18							1598	Metal Loss		
828	GirthWeld		4063.23		34.59	38.69	38.69	1260	Valve	4063.23	Valve	61932.69	36	0.312	52					12:38	335			649									1250	Unknown		
829	MELO-CORR	YES	4083.06		19.83	18.87	38.69	1260	Valve	4083.06	Valve	61912.86	36	0.312	52	0.18	0.06	1.10	0.16	0.251389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
830	GirthWeld		4101.92		38.69	39.68	39.68	1270	Valve	4101.92	Valve	61894	36	0.312	52					0.106944	335			649									1250	Unknown		
832	CLUSTER	YES	4112.69		10.77	28.91	39.68	1270	Valve	4112.69	Valve	61883.23	36	0.312	52	0.15	0.05	2.05	0.54	0.259722	335	1059	763	649	0.44	1.18							1250	Unknown		
834	GirthWeld		4141.6		39.68	39.82	39.81	1280	Valve	4141.6	Valve	61854.32	36	0.312	52					11:54	335			649									1250	Unknown		
835	MELO-CORR	YES	4152.4		10.8	29.02	39.81	1280	Valve	4152.4	Valve	61843.52	36	0.312	52	0.16	0.05	1.22	0.20	6:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
836	GirthWeld		4181.42		39.82	39.79	39.79	1290	Valve	4181.42	Valve	61814.5	36	0.312	52					0.455556	335			649									1250	Unknown		
837	MELO-CORR	YES	4214.24		32.82	6.96	39.79	1290	Valve	4214.24	Valve	61781.68	36	0.312	52	0.16	0.05	1.18	0.20	0.25625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
838	GirthWeld		4221.21		39.79	36.17	36.17	1300	Valve	4221.21	Valve	61774.71	36	0.312	52					0.077778	335			649									1250	Unknown		
839	MELO-CORR	YES	4230.61		9.4	26.77	36.17	1300	Valve	4230.61	Valve	61765.31	36	0.312	52	0.15	0.05	1.18	0.16	6:26	335	1069	770	649	0.44	1.19							1598	Metal Loss		
840	GirthWeld		4257.38		36.17	37.12	37.12	1310	Valve	4257.38	Valve	61738.54	36	0.312	52					9:14	335			649									1250	Unknown		
841	MELO-CORR	YES	4259.84		2.46	34.65	37.12	1310	Valve	4259.84	Valve	61736.08	36	0.312	52	0.16	0.05	0.98	0.16	0.250694	335	1070	771	649	0.43	1.19							1598	Metal Loss		
843	CLUSTER	YES	4268.65		11.27	25.85	37.12	1310	Valve	4268.65	Valve	61727.27	36	0.312	52	0.15	0.05	2.64	0.79	0.23125	335	1052	757	649	0.44	1.17							1250	Unknown		
845	MELO-CORR	YES	4284.83		27.45	9.66	37.12	1310	Valve	4284.83	Valve	61711.09	36	0.312	52	0.15	0.05	1.10	0.16	0.247222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
846	GirthWeld		4294.5		37.12	37.83	37.83	1320	Valve	4294.5	Valve	61701.42	36	0.312	52					11:50	335			649									1250	Unknown		
847	MELO-CORR	YES	4320.7		26.2	11.63	37.83	1320	Valve	4320.7	Valve	61675.22	36	0.312	52	0.17	0.05	1.10	0.16	6:01	335	1069	770	649	0.44	1.19							1598	Metal Loss		
848	GirthWeld		4332.33		37.83	39.8	39.8	1330	Valve	4332.33	Valve	61663.59	36	0.312	52					0.122222	335			649									1250	Unknown		
849	GirthWeld		4372.13		39.8	39.68	39.67	1340	Valve	4372.13	Valve	61623.79	36	0.312	52					0.517361	335			649									1250	Unknown		
850	MELO-CORR	YES	4377.85		5.72	33.96	39.67	1340	Valve	4377.85	Valve	61618.07	36	0.312	52	0.15	0.05	1.10	0.16	0.232639	335	1070	770	649	0.43	1.19							1598	Metal Loss		
851	MELO-CORR	YES	4391.13		18.99	20.68	39.67	1340	Valve	4391.13	Valve	61604.79	36	0.312	52	0.15	0.05	1.14	0.20	5:30	335	1069	770	649	0.44	1.19							1598	Metal Loss		
852	GirthWeld		4411.81		39.68	39.78	39.78	1350	Valve	4411.81	Valve	61584.11	36	0.312	52					11:49	335			649									1250	Unknown		
853	GirthWeld		4451.59		39.78	39.68	39.68	1360	Valve	4451.59	Valve	61544.33	36	0.312	52					0.418056	335			649									1250	Unknown		
854	GirthWeld		4491.27		39.68	29.4	29.4	1370	Valve	4491.27	Valve	61504.64	36	0.312	52					0.124306	335			649									1250	Unknown		
855	GirthWeld		4520.67		29.4	39.79	39.79	1380	Valve	4520.67	Valve	61475.25	36	0.312	52					0.536111	335			649									1250	Unknown		
856	GirthWeld		4560.46		39.79	39.81	39.81	1390	Valve	4560.46	Valve	61435.46	36	0.312	52					11:38	335			649									1250	Unknown		
857	GirthWeld		4600.27		39.81	39.18	39.19	1400	Valve	4600.27	Valve	61395.65	36	0.312	52					9:26	335			649									1250	Unknown		
858	GirthWeld		4639.45		39.18	38.86	38.86	1410	Valve	4639.45	Valve	61356.47	36	0.312	52					0.522222	335			649									1250	Unknown		
859	GirthWeld		4678.31		38.86	39.69	39.69	1420	Valve	4678.31	Valve	61317.61	36	0.312	52				

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
885	CLUSTER	YES	5078.25		22	17.22	39.22	1520	Valve	5078.25	Valve	60917.67	36	0.312	52	0.16	0.05	1.49	0.44	5:51	335	1065	767	649	0.44	1.18							1250	Unknown		
887	MELO-CORR	YES	5082.16		25.91	13.32	39.22	1520	Valve	5082.16	Valve	60913.76	36	0.312	52	0.18	0.06	1.10	0.20	5:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
889	CLUSTER	YES	5084.42		28.17	11.05	39.22	1520	Valve	5084.42	Valve	60911.5	36	0.312	52	0.2	0.06	4.01	0.66	0.280556	335	1018	733	649	0.46	1.14							1250	Unknown		
893	CLUSTER	YES	5093.02		36.77	2.45	39.22	1520	Valve	5093.02	Valve	60902.89	36	0.312	52	0.19	0.06	2.21	0.38	0.238194	335	1052	757	649	0.44	1.17							1250	Unknown		
895	GirthWeld		5095.47		39.22	39.83	39.82	1530	Valve	5095.47	Valve	60900.45	36	0.312	52					0.393056	335			649									1250	Unknown		
896	GirthWeld		5135.3		39.83	39.73	39.73	1540	Valve	5135.3	Valve	60860.62	36	0.312	52					12:14	335			649									1250	Unknown		
897	GirthWeld		5175.03		39.73	39.73	39.73	1550	Valve	5175.03	Valve	60820.89	36	0.312	52					2:34	335			649									1250	Unknown		
898	MELO-CORR	YES	5186.89		11.86	27.86	39.73	1550	Valve	5186.89	Valve	60809.03	36	0.312	52	0.15	0.05	1.14	0.16	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
899	MELO-CORR	YES	5203.02		27.99	11.74	39.73	1550	Valve	5203.02	Valve	60792.9	36	0.312	52	0.19	0.06	1.14	0.20	0.248611	335	1067	769	649	0.44	1.18							1598	Metal Loss		
900	MELO-CORR	YES	5203.93		28.9	10.83	39.73	1550	Valve	5203.93	Valve	60791.99	36	0.312	52	0.16	0.05	1.89	0.47	0.251389	335	1060	763	649	0.44	1.18							1598	Metal Loss		
901	GirthWeld		5214.76		39.73	39.31	39.31	1560	Valve	5214.76	Valve	60781.16	36	0.312	52					12:50	335			649									1250	Unknown		
902	MELO-CORR	YES	5217.39		2.63	36.68	39.31	1560	Valve	5217.39	Valve	60778.53	36	0.312	52	0.16	0.05	1.10	0.16	6:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
904	CLUSTER	YES	5231.57		16.81	22.5	39.31	1560	Valve	5231.57	Valve	60764.35	36	0.312	52	0.15	0.05	1.73	0.63	0.247917	335	1063	765	649	0.44	1.18							1250	Unknown		
906	MELO-CORR	YES	5241.51		26.74	12.56	39.31	1560	Valve	5241.51	Valve	60754.42	36	0.312	52	0.19	0.06	1.10	0.35	0.229167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
907	MELO-CORR	YES	5247.33		32.57	6.74	39.31	1560	Valve	5247.33	Valve	60748.59	36	0.312	52	0.2	0.06	1.18	0.20	0.248611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
908	MELO-CORR	YES	5251.67		36.91	2.4	39.31	1560	Valve	5251.67	Valve	60744.25	36	0.312	52	0.15	0.05	1.18	0.16	5:39	335	1069	770	649	0.44	1.19							1598	Metal Loss		
909	GirthWeld		5254.07		39.31	39.82	39.83	1570	Valve	5254.07	Valve	60741.85	36	0.312	52					11:42	335			649									1250	Unknown		
911	CLUSTER	YES	5259		4.93	34.9	39.83	1570	Valve	5259	Valve	60736.92	36	0.312	52	0.16	0.05	6.88	0.69	0.228472	335	1000	720	649	0.47	1.12							1250	Unknown		
914	MELO-CORR	YES	5260.38		6.31	33.52	39.83	1570	Valve	5260.38	Valve	60735.54	36	0.312	52	0.17	0.05	1.10	0.20	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
915	MELO-CORR	YES	5262.15		8.09	31.74	39.83	1570	Valve	5262.15	Valve	60733.76	36	0.312	52	0.15	0.05	1.10	0.20	0.2625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
916	MELO-CORR	YES	5272.67		18.6	21.23	39.83	1570	Valve	5272.67	Valve	60723.25	36	0.312	52	0.16	0.05	1.18	0.24	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
917	MELO-CORR	YES	5278.08		24.01	15.82	39.83	1570	Valve	5278.08	Valve	60717.84	36	0.312	52	0.19	0.06	1.10	0.24	5:31	335	1068	769	649	0.44	1.19							1598	Metal Loss		
918	GirthWeld		5293.89		39.82	38.32	38.32	1580	Valve	5293.89	Valve	60702.03	36	0.312	52					0.422917	335			649									1250	Unknown		
919	MELO-CORR	YES	5296.31		2.42	35.9	38.32	1580	Valve	5296.31	Valve	60699.61	36	0.312	52	0.16	0.05	1.18	0.20	0.250694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
920	MELO-CORR	YES	5298.02		4.13	34.19	38.32	1580	Valve	5298.02	Valve	60697.89	36	0.312	52	0.17	0.05	1.18	0.20	0.229861	335	1068	769	649	0.44	1.19							1598	Metal Loss		
922	CLUSTER	YES	5298.93		5.04	33.28	38.32	1580	Valve	5298.93	Valve	60696.99	36	0.312	52	0.32	0.10	2.82	0.60	5:58	335	1011	728	649	0.46	1.15							1250	Unknown		
925	CLUSTER	YES	5301.88		7.99	30.34	38.32	1580	Valve	5301.88	Valve	60694.04	36	0.312	52	0.34	0.11	4.04	0.69	5:59	335	966	696	649	0.48	1.13							1250	Unknown		
928	MELO-CORR	YES	5308.32		14.43	23.89	38.32	1580	Valve	5308.32	Valve	60687.6	36	0.312	52	0.16	0.05	1.10	0.39	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
930	CLUSTER	YES	5310.77		16.88	21.44	38.32	1580	Valve	5310.77	Valve	60685.15	36	0.312	52	0.15	0.05	1.94	0.88	0.272222	335	1061	764	649	0.44	1.18							1250	Unknown		
932	MELO-CORR	YES	5311.19		17.3	21.03	38.32	1580	Valve	5311.19	Valve	60684.74	36	0.312	52	0.19	0.06	1.46	0.32	0.25	335	1064	766	649	0.44	1.18							1598	Metal Loss		
933	MELO-CORR	YES	5315.01		21.12	17.2	38.32	1580	Valve	5315.01	Valve	60680.91	36	0.312	52	0.19	0.06	1.18	0.16	6:31	335	1067	768	649	0.44	1.18							1598	Metal Loss		
934	MELO-CORR	YES	5320.79		26.9	11.42	38.32	1580	Valve	5320.79	Valve	60675.13	36	0.312	52	0.19	0.06	1.10	0.35	5:28	335	1068	769	649	0.44	1.19							1598	Metal Loss		
935	MELO-CORR	YES	5331.52		37.63	0.69	38.32	1580	Valve	5331.52	Valve	60664.4	36	0.312	52	0.17	0.05	1.10	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
936	GirthWeld		5332.21		38.32	39.77	39.77	1590	Valve	5332.21	Valve	60663.71	36	0.312	52					0.139583	335			649									1250	Unknown		
937	MELO-CORR	YES	5339.47		7.26	32.52	39.77	1590	Valve	5339.47	Valve	60656.46	36	0.312	52	0.21	0.07	1.14	0.20	0.248611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
938	MELO-CORR	YES	5351.26		19.05	20.72	39.77	1590	Valve	5351.26	Valve	60644.66	36	0.312	52	0.15	0.05	1.22	0.20	6:01	335	1069	769	649	0.44	1.19							1598	Metal Loss		
939	GirthWeld		5371.98		39.77	37.96	37.96	1600	Valve	5371.98	Valve	60623.94	36	0.312	52					12:48	335			649									1250	Unknown		
940	MELO-CORR	YES	5374.16		2.18	35.78	37.96	1600	Valve	5374.16	Valve	60621.76	36	0.312	52	0.18	0.06	1.10	0.35	0.24375	335	1068	769	649	0.44	1.19							1598	Metal Loss		
941	MELO-CORR	YES	5377.52		5.54	32.43	37.96	1600	Valve	5377.52	Valve	60618.4	36	0.312	52	0.17	0.05	1.18	0.24	0.238889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
942	MELO-CORR	YES	5379.51		7.53	30.44	37.96	1600	Valve	5379.51	Valve	60616.42	36	0.312	52	0.15	0.05	1.14	0.16	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
944	CLUSTER	YES	5388.03		16.05	21.91	37.96	1600	Valve	5388.03	Valve	60607.89	36	0.312	52	0.19	0.06	5.18	3.17	5:39	335	1004	723	649	0.46	1.14							1250	Unknown		
947	MELO-CORR	YES	5392.69		20.71	17.25	37.96	1600	Valve	5392.69	Valve	60603.23	36	0.312	52	0.17	0.05	1.18	0.39	5:43	335	1068	769	649	0.44	1.19							1598	Metal Loss		
948	MELO-CORR	YES	5402.3		30.32	7.65	37.96	1600	Valve	5402.3	Valve	60593.63	36	0.312	52	0.25	0.08	0.87	0.32	0.257639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
949	GirthWeld		5409.94		37.96	39.8	39.8	1610	Valve	5409.94	Valve	60585.98	36	0.312	52					0.448611	335			649									1250	Unknown		
950	MELO-CORR	YES	5413.31		3.37	36.44	39.8	1610	Valve	5413.31	Valve	60582.61	36	0.312	52	0.2	0.06	1.10	0.28	0.264583	335	1068	769	649	0.44	1.18							1598	Metal Loss		
951	MELO-CORR	YES	5413.77		3.83	35.97	39.8	1610	Valve	5413.77	Valve	60582.15	36	0.312	52	0.15	0.05	1.10	0.24	5:34	335	1070	770	649	0.43	1.19							1598	Metal Loss		
952	MELO-CORR	YES	5414.29		4.35	35.45	39.8	1610	Valve	5414.29	Valve	60581.63	36	0.312	52	0.16	0.05	2.24	0.55	5:31	335	1055	760	649	0.44	1.17							1598	Metal Loss		
953	MELO-CORR	YES	5415.4		5.46	34.35	39.8	1610	Valve	5415.4	Valve	60580.52	36	0.312	52	0.16	0.05	1.14	0.20	0.272222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
955	CLUSTER	YES	5415.79		5.85	33.95	39.8	1610	Valve	5415.79	Valve	60580.13	36	0.312	52	0.26	0.08	13.39	2.86	0.263889	335	900	648	649	0.52	1.09							1250	Unknown		
967	CLUSTER	YES	5417.46		7.52	32.28	39.8	1610	Valve	5417.46	Valve	60578.46	36	0.312	52	0.23	0.07	3.17	0.72	0.229861	335	1026	738	649	0.45	1.15							1250	Unknown		
971	MELO-CORR	YES	5420.01		10.07	29.73	39.8	1610	Valve	5420.01	Valve	60575.91	36	0.312	52	0.25	0.08	1.10	0.20	5:32	335	1065	767	649	0.44	1.18							1598	Metal Loss		
973	CLUSTER	YES	5420.7		10.76	29.04	39.8	1610	Valve	5420.7	Valve	60575.22	36	0.312	52	0.22	0.07	2.68	0.32	5:40	335	1038	747	649	0.45	1.16							1250	Unknown		
975	MELO-CORR	YES	5422.97		13.03	26.78	39.8	1610	Valve	5422.97	Valve	60572.96	36	0.312	52	0.25	0.08	1.18	0.24	0.250694	335	1064	766	649	0.44	1.18							1598	Metal Loss		
977	CLUSTER	YES	5428.26		18.32	21.49	39.8	1610	Valve	5428.26	Valve	60567.67	36	0.312	52	0.18	0.06	3.60	0.63	0.234722	335	1031	742	649	0.45	1.15							1250	Unknown		
979	MELO-CORR	YES	5435.4		25.46	14.34	39.8	1610	Valve	5435.4	Valve	60560.52	36	0.312	52	0.2	0.06	1.14	0.47	0.263194	335	1067	768	649	0.44	1.18							1598	Metal Loss		
980	MELO-CORR	YES	5437.04		27.1	12.7	39.8	1610	Valve	5437.04	Valve	60558.88	36	0.312	52	0.19	0.06	1.10	0.20	6:30	335	1068	769	649	0.44	1.19							1598	Metal Loss		
981	GirthWeld		5449.74		39.8	39.78	39.77	1620	Valve	5449.74	Valve	60546.18	36	0.312	52					1:12	335			649									1250	Unknown		
982	GirthWeld		5489.52		39.78	39.17	39.18	1630	Valve	5489.52	Valve	60506.4	36	0.312	52					0.459028	335			649									1250	Unknown		
983	GirthWeld		5528.69		39.17	39.77	39.77	1640	Valve	5528.69	Valve	60467.23	36	0.312	52					0.481944	335			649									1250	Unknown		
984	GirthWeld		5568.46		39.77	39.8	39.8	1650	Valve	5568.46	Valve	60427.46	36	0.312	52					0.108333	335			649									1250	Unknown		
986	CLUSTER	YES	5581.09		12.63	27.17	39.8	1650	Valve	5581.09	Valve	60414.83	36	0.312	52	0.15	0.05	1.54	0.57	5:53	335	1065	767	649	0.44	1.18							1250	Unknown		
988	GirthWeld		5608.26		39.8	39.81	39.82	1660	Valve	5608.26	Valve	60387.66	36	0.312	52					12:51	335			649									1250	Unknown		
989	GirthWeld		5648.07		39.81	39.68	39.68	1670	Valve	5648.07	Valve	60347.85	36	0.312	52					0.4875	335			649									1250	Unknown		
990	GirthWeld		5687.75		39.68	27.23	27.23	1680	Valve	5687.75	Valve	60308.17	36	0.312	52					0.429167	335			649									1250	Unknown		
991	GirthWeld		5714.98		27.23	39.81	39.81	1690	Valve	5714.98	Valve	60280.94	36	0.312	52					0.058333	335			649									1250	Unknown		
992	GirthWeld		5754.79		39.81	39.74	39.74	1700	Valve	5754.79	Valve	60241.13	36	0.312	52					11:02	335			649									1250	Unknown		
993	MELO-CORR	YES	5764.21		9.42	30.31	39.74	1700	Valve	5764.21	Valve	60231.71	36	0.312	52	0.15	0.05	1.10	0.20	6:03	335	1070	770	649	0.43	1.19							1598	Metal Loss		
994	GirthWeld		5794.53		39.74	39.77	39.78	1710	Valve	5794.53	Valve	60201.39	36	0.312	52					0.043056	335			649									1250	Unknown		
995	GirthWeld		5834.3		39.77	39.83	39.83	1720	Valve	5834.3	Valve	60161.62	36	0.312	52					0.438194	335			649									1250	Unknown		
996	MELO-CORR	YES	5835.26		0.96	38.87	39.83	1720	Valve	5835.26	Valve	60160.66	36	0.312	52	0.18	0.06	1.22	0.20	0.267361	335	1067	768	649	0.44	1.18							1598	Metal Loss		
997	GirthWeld		5874.13		39.83	39.7	39.7	1730	Valve	5874.13	Valve	60121.79	36	0.312	52					12:30	335			649									1250	Unknown		
998	GirthWeld		5913.83		39.7	39.06	39.06	1740	Valve	5913.83	Valve	60082.09	36	0.312	52					2:42	335			649									1250	Unknown		
999	GirthWeld		5952.89		39.06	39.81	39.81	1750	Valve	5952.89	Valve	60043.03	36	0.312	52					0.461111	335			649									1250	Unknown		
1000	GirthWeld		5992.7		39.81	39.78	39.77	1760	Valve	5992.7	Valve	60003.22	36	0.312	52					0.069444	335			649									1250	Unknown		
1001	GirthWeld		6032.48		39.78	39.66	39.66	1770	Valve	6032.48	Valve	59963.45	36	0.312	52					0.497222	335			649									1250	Unknown		
1002	GirthWeld		6072.14		39.66	39.54	39.54	1780	Valve	6072.14	Valve	59923.78	36	0.312	52					10:34	335			649									1250	Unknown		
1003	MELO-CORR	YES	6089.56		17.42	22.12	39.54	1780	Valve	6089.56	Valve	59906.36	36	0.312	52	0.15	0.05	1.10	0.16	6:04	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1004	MELO-CORR	YES	6102.59		30.45	9.09	39.54	1780	Valve	6102.59	Valve	59893.33	36	0.312	52	0.19	0.06	1.14	0.20	0.261806	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1005	MELO-CORR	YES	6110.16		38.02	1.52	39.54	1780	Valve	6110.16	Valve	59885.76	36	0.312	52	0.16	0.05	1.14	0.20	0.266667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1006	GirthWeld		6111.68		39.54	39.03	39.03	1790	Valve	6111.68	Valve	59884.24	36	0.312	52					0.493056	335			649									1250	Unknown		
1008	CLUSTER	YES	6145.83		34.15	4.88	39.03	1790	Valve	6145.83	Valve	59850.09	36	0.312	52	0.16	0.05	3.52	1.13	5:51	335	1037	747	649	0.45	1.16							1250	Unknown		
1011	GirthWeld		6150.71		39.03	39.64	39.65	1800	Valve	6150.71	Valve	59845.21	36	0.312	52					9:36	335			649									1250	Unknown		
1013	CLUSTER	YES	6153		2.29	37.35	39.65	1800	Valve	6153	Valve	59842.92	36	0.312	52	0.16	0.05	4.52	1.04	0.248611	335	1024	737	649	0.45	1.14							1250	Unknown		
1016	CLUSTER	YES	6154.79		4.08	35.56	39.65	1800	Valve	6154.79	Valve	59841.13	36	0.312	52	0.15	0.05	5.35	2.08	0.249306	335	1019	733	649	0.46	1.14							1250	Unknown		
1022	CLUSTER	YES	6160.49		9.78	29.86	39.65	1800	Valve	6160.49	Valve	59835.43	36	0.312	52	0.15	0.05	3.47	0.66	0.246528	335	1040	749	649	0.45	1.16							1250	Unknown		
1025	CLUSTER	YES	6168.16		17.45	22.19	39.65	1800	Valve	6168.16	Valve	59827.76	36	0.312	52	0.17	0.05	4.75	0.88	5:44	335	1017	732	649	0.46	1.14							1250	Unknown		
1030	CLUSTER	YES	6178.82		28.11	11.53	39.65	1800	Valve	6178.82	Valve	59817.1	36	0.312	52	0.16	0.05	4.09	1.10	5:42	335	1029	741	649	0.45	1.15							1250	Unknown		
1032	GirthWeld		6190.35		39.64	39.85	39.85	1810	Valve	6190.35	Valve	59805.57	36	0.312	52					0.109722	335			649									1250	Unknown		
1033	GirthWeld		6230.2		39.85	39.81	39.8	1820	Valve	6230.2	Valve	59765.71	36	0.312	52					0.041667	335			649									1250	Unknown		
1035	CLUSTER	YES	6230.86		0.66	39.15	39.8	1820	Valve	6230.86	Valve	59765.06	36	0.312	52	0.15	0.05	4.02	2.17	0.236111	335	1033	744	649	0.45	1.15							1250	Unknown		
1040	CLUSTER	YES	6234.22		4.02	35.78	39.8	1820	Valve	6234.22	Valve	59761.7	36	0.312	52	0.16	0.05	2.92	0.63	6:29	335	1046	753	649	0.44	1.16							1250	Unknown		
1042	MELO-CORR	YES	6236.83		6.63	33.18	39.8	1820	Valve	6236.83	Valve	59759.09	36	0.312	52	0.15	0.05	1.22	0.20	6:29	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1043	MELO-CORR	YES	6239.72		9.52	30.29	39.8	1820	Valve	6239.72	Valve	59756.2	36	0.312	52	0.16	0.05	0.94	0.20	0.239583	335	1071	771	649	0.43	1.19							1598	Metal Loss		
1044	MELO-CORR	YES	6261.6		31.4	8.4	39.8	1820	Valve	6261.6	Valve	59734.32	36	0.312	52	0.16	0.05	1.18	0.16	0.244444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1045	MELO-CORR	YES	6262.7		32.5	7.31	39.8	1820	Valve	6262.7	Valve	59733.22	36	0.312	52	0.15	0.05	1.10	0.20	0.279167	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1046	GirthWeld		6270.01		39.81	39.24	39.24	1830	Valve	6270.01	Valve	59725.92	36	0.312	52					11:52	335			649									1250	Unknown		
1048	CLUSTER	YES	6275.8		5.78	33.45	39.24	1830	Valve	6275.8	Valve	59720.13	36	0.312	52	0.15	0.05	2.92	0.91	5:58	335	1048	754	649	0.44	1.16							1250	Unknown		
1052	CLUSTER	YES	6281.62		11.61	27.63	39.24	1830	Valve	6281.62	Valve	59714.3	36	0.312	52	0.16	0.05	20.66	4.09	0.240278	335	958	690	649	0.49	1.08							1250	Unknown		
1067	CLUSTER	YES	6289.51		19.5	19.74	39.24	1830	Valve	6289.51	Valve	59706.41	36	0.312	52	0.16	0.05	10.79	2.36	0.243056	335	978	704	649	0.48	1.10							1250	Unknown		
1074	MELO-CORR	YES	6294.23		24.22	15.01	39.24	1830	Valve	6294.23	Valve	59701.68	36	0.312	52	0.19	0.06	1.18	0.20	0.229861	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1075	GirthWeld		6309.25		39.24	37.4	37.41	1840	Valve	6309.25	Valve	59686.67	36	0.312	52					11:10	335			649									1250	Unknown		
1077	CLUSTER	YES	6315.33		6.08	31.33	37.41	1840	Valve	6315.33	Valve	59680.59	36	0.312	52	0.16	0.05	2.94	0.63	5:40	335	1045	753	649	0.45	1.16							1250	Unknown		
1080	CLUSTER	YES	6320.51		11.26	26.15	37.41	1840	Valve	6320.51	Valve	59675.42	36

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
1118	CLUSTER	YES	6409.15		22.72	16.96	39.68	1860	Valve	6409.15	Valve	59586.77	36	0.312	52	0.21	0.07	5.54	0.63	5:49	335	991	713	649	0.47	1.12							1250	Unknown		
1121	MELO-CORR	YES	6409.97		23.54	16.14	39.68	1860	Valve	6409.97	Valve	59585.95	36	0.312	52	0.17	0.05	1.10	0.20	5:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1123	CLUSTER	YES	6415.97		29.54	10.14	39.68	1860	Valve	6415.97	Valve	59579.95	36	0.312	52	0.19	0.06	5.47	0.97	0.230556	335	1000	720	649	0.47	1.13							1250	Unknown		
1127	CLUSTER	YES	6417.35		30.92	8.76	39.68	1860	Valve	6417.35	Valve	59578.57	36	0.312	52	0.15	0.05	4.93	0.44	0.264583	335	1023	737	649	0.45	1.14							1250	Unknown		
1130	CLUSTER	YES	6419.01		32.58	7.1	39.68	1860	Valve	6419.01	Valve	59576.91	36	0.312	52	0.15	0.05	2.40	1.07	0.227083	335	1055	759	649	0.44	1.17							1250	Unknown		
1132	MELO-CORR	YES	6424.23		37.8	1.89	39.68	1860	Valve	6424.23	Valve	59571.7	36	0.312	52	0.18	0.06	1.10	0.43	5:33	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1134	CLUSTER	YES	6424.28		37.85	1.83	39.68	1860	Valve	6424.28	Valve	59571.63	36	0.312	52	0.3	0.09	5.80	0.66	5:49	335	943	679	649	0.49	1.08							1250	Unknown		
1137	GirthWeld		6426.11		39.68	39.77	39.77	1870	Valve	6426.11	Valve	59569.81	36	0.312	52					0.406944	335			649									1250	Unknown		
1138	MELO-CORR	YES	6430.02		3.91	35.87	39.77	1870	Valve	6430.02	Valve	59565.9	36	0.312	52	0.19	0.06	1.14	0.39	0.255556	335	1067	769	649	0.44	1.18							1598	Metal Loss		
1139	MELO-CORR	YES	6438.84		12.73	27.05	39.77	1870	Valve	6438.84	Valve	59557.08	36	0.312	52	0.16	0.05	1.10	0.16	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1141	CLUSTER	YES	6441.54		15.43	24.35	39.77	1870	Valve	6441.54	Valve	59554.38	36	0.312	52	0.15	0.05	7.62	3.58	5:53	335	1000	720	649	0.47	1.12							1250	Unknown		
1145	MELO-CORR	YES	6443.76		17.65	22.12	39.77	1870	Valve	6443.76	Valve	59552.16	36	0.312	52	0.21	0.07	1.26	0.28	6:04	335	1065	767	649	0.44	1.18							1598	Metal Loss		
1146	MELO-CORR	YES	6460.6		34.49	5.29	39.77	1870	Valve	6460.6	Valve	59535.32	36	0.312	52	0.15	0.05	1.22	0.20	0.23125	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1148	CLUSTER	YES	6461.97		35.86	3.91	39.77	1870	Valve	6461.97	Valve	59533.95	36	0.312	52	0.26	0.08	4.78	2.29	0.24375	335	982	707	649	0.47	1.13							1250	Unknown		
1153	GirthWeld		6465.88		39.77	28.5	28.49	1880	Valve	6465.88	Valve	59530.04	36	0.312	52					0.492361	335			649									1250	Unknown		
1155	CLUSTER	YES	6466.09		0.21	28.28	28.49	1880	Valve	6466.09	Valve	59529.83	36	0.312	52	0.22	0.07	26.74	5.00	5:46	335	905	652	649	0.51	1.06							1250	Unknown		
1169	CLUSTER	YES	6467.45		1.57	26.92	28.49	1880	Valve	6467.45	Valve	59528.46	36	0.312	52	0.16	0.05	8.39	1.64	5:43	335	990	713	649	0.47	1.11							1250	Unknown		
1180	CLUSTER	YES	6468.59		2.71	25.79	28.49	1880	Valve	6468.59	Valve	59527.33	36	0.312	52	0.15	0.05	12.60	2.80	0.244444	335	979	705	649	0.48	1.09							1250	Unknown		
1190	CLUSTER	YES	6469.65		3.77	24.72	28.49	1880	Valve	6469.65	Valve	59526.27	36	0.312	52	0.15	0.05	14.58	2.04	0.252083	335	974	701	649	0.48	1.09							1250	Unknown		
1198	CLUSTER	YES	6473.35		7.47	21.02	28.49	1880	Valve	6473.35	Valve	59522.57	36	0.312	52	0.15	0.05	25.49	5.03	0.238194	335	961	692	649	0.48	1.08							1250	Unknown		
1215	CLUSTER	YES	6476.95		11.07	17.43	28.49	1880	Valve	6476.95	Valve	59518.97	36	0.312	52	0.15	0.05	7.99	0.85	6:17	335	998	719	649	0.47	1.11							1250	Unknown		
1219	MELO-CORR	YES	6478.12		12.24	16.26	28.49	1880	Valve	6478.12	Valve	59517.8	36	0.312	52	0.19	0.06	1.18	0.16	6:18	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1220	GirthWeld		6494.38		28.49	39.78	39.78	1890	Valve	6494.38	Valve	59501.54	36	0.312	52					0.118056	335			649									1250	Unknown		
1222	CLUSTER	YES	6514.33		19.95	19.83	39.78	1890	Valve	6514.33	Valve	59481.59	36	0.312	52	0.15	0.05	4.33	1.82	0.24375	335	1030	741	649	0.45	1.15							1250	Unknown		
1224	GirthWeld		6534.16		39.78	31.82	31.82	1900	Valve	6534.16	Valve	59461.76	36	0.312	52					0.042361	335			649									1250	Unknown		
1225	GirthWeld		6565.98		31.82	39.82	39.82	1910	Valve	6565.98	Valve	59429.94	36	0.312	52					12:24	335			649									1250	Unknown		
1226	MELO-CORR	YES	6567.18		1.2	38.62	39.82	1910	Valve	6567.18	Valve	59428.74	36	0.312	52	0.17	0.05	1.14	0.20	6:14	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1228	CLUSTER	YES	6591.98		26	13.82	39.82	1910	Valve	6591.98	Valve	59403.94	36	0.312	52	0.19	0.06	1.63	0.47	0.24375	335	1061	764	649	0.44	1.18							1250	Unknown		
1230	LWFE	n/a	6595.96		29.98	9.84	39.82	1910	Valve	6595.96	Valve	59399.96	36	0.312	52					0.515278	335			649									2168	seam weld anomaly		
1232	CLUSTER	YES	6603.71		37.73	2.09	39.82	1910	Valve	6603.71	Valve	59392.21	36	0.312	52	0.26	0.08	4.69	1.48	0.242361	335	983	708	649	0.47	1.13							1250	Unknown		
1237	CLUSTER	YES	6604.2		38.22	1.6	39.82	1910	Valve	6604.2	Valve	59391.72	36	0.312	52	0.23	0.07	3.96	0.72	5:52	335	1009	726	649	0.46	1.15							1250	Unknown		
1240	GirthWeld		6605.8		39.82	29.87	29.87	1920	Valve	6605.8	Valve	59390.12	36	0.312	52					10:30	335			649									1250	Unknown		
1241	MELO-CORR	YES	6616.02		10.22	19.65	29.87	1920	Valve	6616.02	Valve	59379.9	36	0.312	52	0.16	0.05	1.22	0.20	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1242	MELO-CORR	YES	6619.68		13.88	15.99	29.87	1920	Valve	6619.68	Valve	59376.24	36	0.312	52	0.15	0.05	1.10	0.16	0.247917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1243	MELO-CORR	YES	6622.82		17.02	12.85	29.87	1920	Valve	6622.82	Valve	59373.1	36	0.312	52	0.17	0.05	1.14	0.20	0.250694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1244	MELO-CORR	YES	6629.11		23.31	6.56	29.87	1920	Valve	6629.11	Valve	59366.81	36	0.312	52	0.16	0.05	1.14	0.16	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1245	GirthWeld		6635.67		29.87	35.12	35.12	1930	Valve	6635.67	Valve	59360.25	36	0.312	52					3:01	335			649									1250	Unknown		
1247	CLUSTER	YES	6648.16		12.49	22.63	35.12	1930	Valve	6648.16	Valve	59347.76	36	0.312	52	0.15	0.05	2.15	0.44	0.258333	335	1058	762	649	0.44	1.17							1250	Unknown		
1249	MELO-CORR	YES	6654.5		18.83	16.29	35.12	1930	Valve	6654.5	Valve	59341.42	36	0.312	52	0.19	0.06	1.18	0.20	0.247917	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1251	CLUSTER	YES	6656.59		20.92	14.2	35.12	1930	Valve	6656.59	Valve	59339.33	36	0.312	52	0.16	0.05	2.59	2.08	0.243056	335	1050	756	649	0.44	1.17							1250	Unknown		
1253	MELO-CORR	YES	6657.92		22.25	12.87	35.12	1930	Valve	6657.92	Valve	59338	36	0.312	52	0.16	0.05	1.10	0.28	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1254	GirthWeld		6670.79		35.12	39.28	39.28	1940	Valve	6670.79	Valve	59325.13	36	0.312	52					1:11	335			649									1250	Unknown		
1256	CLUSTER	YES	6674.22		3.43	35.85	39.28	1940	Valve	6674.22	Valve	59321.7	36	0.312	52	0.19	0.06	8.11	2.64	0.244444	335	975	702	649	0.48	1.09							1250	Unknown		
1260	MELO-CORR	YES	6678.88		8.09	31.2	39.28	1940	Valve	6678.88	Valve	59317.04	36	0.312	52	0.15	0.05	1.10	0.32	0.239583	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1262	CLUSTER	YES	6681.31		10.52	28.76	39.28	1940	Valve	6681.31	Valve	59314.61	36	0.312	52	0.16	0.05	3.66	2.64	0.245139	335	1035	745	649	0.45	1.15							1250	Unknown		
1266	MELO-CORR	YES	6685.9		15.11	24.17	39.28	1940	Valve	6685.9	Valve	59310.02	36	0.312	52	0.17	0.05	1.10	0.20	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1267	MELO-CORR	YES	6686.05		15.26	24.02	39.28	1940	Valve	6686.05	Valve	59309.87	36	0.312	52	0.16	0.05	1.14	0.20	5:51	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1268	MELO-CORR	YES	6686.31		15.52	23.76	39.28	1940	Valve	6686.31	Valve	59309.61	36	0.312	52	0.17	0.05	1.22	0.16	0.23125	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1269	MELO-CORR	YES	6692.45		21.66	17.62	39.28	1940	Valve	6692.45	Valve	59303.46	36	0.312	52	0.15	0.05	1.10	0.20	0.274306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1270	MELO-CORR	YES	6692.45		21.66	17.62	39.28	1940	Valve	6692.45	Valve	59303.46	36	0.312	52	0.19	0.06	1.18	0.24	0.23125	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1271	MELO-CORR	YES	6692.67		21.88	17.4	39.28	1940	Valve	6692.67	Valve	59303.25	36	0.312	52	0.15	0.05	1.10	0.20	5:46	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1273	CLUSTER	YES	6694.85		24.06	15.22	39.28	1940	Valve	6694.85	Valve	59301.07	36	0.312	52	0.19	0.06	2.14	2.11	5:56	335	1053	758	649	0.44	1.17							1250	Unknown		
1275	MELO-CORR	YES	6695.38		24.59	14.69	39.28	1940	Valve	6695.38	Valve	59300.54	36	0.312	52	0.19	0.06	1.14	0.20	0.234722	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1276	MELO-CORR	YES	6695.98		25.19	14.09	39.28	1940	Valve	6695.98	Valve	59299.94	36	0.312	52	0.16	0.05	1.22	0.47	0.270833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1277	MELO-CORR	YES	6696.57		25.78	13.5	39.28	1940	Valve	6696.57	Valve	59299.35	36	0.312	52	0.15	0.05	1.22	0.32	0.264583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1278	MELO-CORR	YES	6697.78		26.99	12.29	39.28	1940	Valve	6697.78	Valve	59298.14	36	0.312	52	0.22	0.07	2.36	0.35	5:32	335	1044	752	649	0.45	1.16							1598	Metal Loss		
1279	MELO-CORR	YES	6697.8		27.01	12.27	39.28	1940	Valve	6697.8	Valve	59298.12	36	0.312	52	0.19	0.06	1.18	0.28	6:31	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1280	MELO-CORR	YES	6699.71		28.92	10.36	39.28	1940	Valve	6699.71	Valve	59296.21	36	0.312	52	0.2	0.06	1.18	0.35	0.260417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1281	MELO-CORR	YES	6700.09		29.3	9.98	39.28	1940	Valve	6700.09	Valve	59295.83	36	0.312	52	0.17	0.05	1.10	0.43	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1283	CLUSTER	YES	6701.42		30.63	8.65	39.28	1940	Valve	6701.42	Valve	59294.5	36	0.312	52	0.17	0.05	2.64	1.23	0.225	335	1048	755	649	0.44	1.17							1250	Unknown		
1285	MELO-CORR	YES	6702.35		31.56	7.72	39.28	1940	Valve	6702.35	Valve	59293.57	36	0.312	52	0.15	0.05	1.22	0.32	5:43	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1286	MELO-CORR	YES	6704.23		33.44	5.84	39.28	1940	Valve	6704.23	Valve	59291.69	36	0.312	52	0.16	0.05	1.18	0.24	6:24	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1288	CLUSTER	YES	6706.85		36.06	3.22	39.28	1940	Valve	6706.85	Valve	59289.07	36	0.312	52	0.24	0.08	1.97	0.38	0.234028	335	1050	756	649	0.44	1.16							1250	Unknown		
1290	MELO-CORR	YES	6707.16		36.37	2.91	39.28	1940	Valve	6707.16	Valve	59288.76	36	0.312	52	0.15	0.05	1.10	0.39	0.265972	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1292	CLUSTER	YES	6707.43		36.64	2.64	39.28	1940	Valve	6707.43	Valve	59288.49	36	0.312	52	0.15	0.05	6.78	2.89	0.247222	335	1006	724	649	0.46	1.12							1250	Unknown		
1298	CLUSTER	YES	6709.49		38.7	0.59	39.28	1940	Valve	6709.49	Valve	59286.43	36	0.312	52	0.2	0.06	1.96	0.66	6:24	335	1055	759	649	0.44	1.17							1250	Unknown		
1300	GirthWeld		6710.07		39.28	38.96	38.96	1950	Valve	6710.07	Valve	59285.85	36	0.312	52					9:29	335			649									1250	Unknown		
1301	MELO-CORR	YES	6710.96		0.89	38.08	38.96	1950	Valve	6710.96	Valve	59284.96	36	0.312	52	0.16	0.05	1.10	0.28	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1303	CLUSTER	YES	6711.18		1.11	37.85	38.96	1950	Valve	6711.18	Valve	59284.74	36	0.312	52	0.18	0.06	3.65	2.23	0.235417	335	1030	741	649	0.45	1.15							1250	Unknown		
1307	MELO-CORR	YES	6715.24		5.17	33.8	38.96	1950	Valve	6715.24	Valve	59280.68	36	0.312	52	0.15	0.05	1.10	0.20	0.238889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1309	CLUSTER	YES	6724.81		14.74	24.22	38.96	1950	Valve	6724.81	Valve	59271.11	36	0.312	52	0.22	0.07	7.34	2.14	5:50	335	964	694	649	0.48	1.12							1250	Unknown		
1312	MELO-CORR	YES	6737.3		27.23	11.73	38.96	1950	Valve	6737.3	Valve	59258.62	36	0.312	52	0.15	0.05	1.22	0.24	6:31	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1313	MELO-CORR	YES	6739.58		29.51	9.45	38.96	1950	Valve	6739.58	Valve	59256.34	36	0.312	52	0.23	0.07	1.10	0.35	0.233333	335	1066	768	649	0.44	1.18							1598	Metal Loss		
1314	MELO-CORR	YES	6740.8		30.73	8.23	38.96	1950	Valve	6740.8	Valve	59255.12	36	0.312	52	0.15	0.05	1.10	0.51	0.265278	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1316	CLUSTER	YES	6744.56		34.49	4.48	38.96	1950	Valve	6744.56	Valve	59251.36	36	0.312	52	0.18	0.06	2.82	0.94	0.234722	335	1043	751	649	0.45	1.16							1250	Unknown		
1318	GirthWeld		6749.03		38.96	39.76	39.76	1960	Valve	6749.03	Valve	59246.89	36	0.312	52					11:43	335			649									1250	Unknown		
1320	CLUSTER	YES	6753.94		4.91	34.85	39.76	1960	Valve	6753.94	Valve	59241.98	36	0.312	52	0.18	0.06	1.50	1.13	6:18	335	1064	766	649	0.44	1.18							1250	Unknown		
1322	MELO-CORR	YES	6756.23		7.2	32.57	39.76	1960	Valve	6756.23	Valve	59239.69	36	0.312	52	0.18	0.06	1.10	0.35	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1324	CLUSTER	YES	6758.3		9.27	30.49	39.76	1960	Valve	6758.3	Valve	59237.62	36	0.312	52	0.16	0.05	1.40	1.76	0.24375	335	1066	768	649	0.44	1.18							1250	Unknown		
1327	CLUSTER	YES	6759.06		10.03	29.74	39.76	1960	Valve	6759.06	Valve	59236.86	36	0.312	52	0.16	0.05	1.88	0.85	0.236806	335	1060	763	649	0.44	1.18							1250	Unknown		
1329	MELO-CORR	YES	6765.35		16.32	23.44	39.76	1960	Valve	6765.35	Valve	59230.57	36	0.312	52	0.16	0.05	1.22	0.16	6:23	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1331	CLUSTER	YES	6766.78		17.75	22.01	39.76	1960	Valve	6766.78	Valve	59229.14	36	0.312	52	0.16	0.05	2.78	0.85	5:36	335	1047	754	649	0.44	1.16							1250	Unknown		
1334	CLUSTER	YES	6768.92		19.89	19.88	39.76	1960	Valve	6768.92	Valve	59227	36	0.312	52	0.2	0.06	6.36	1.51	0.234722	335	985	709	649	0.47	1.12							1250	Unknown		
1337	MELO-CORR	YES	6769.63		20.6	19.16	39.76	1960	Valve	6769.63	Valve	59226.29	36	0.312	52	0.19	0.06	1.14	0.24	0.2625	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1338	MELO-CORR	YES	6771.76		22.73	17.03	39.76	1960	Valve	6771.76	Valve	59224.16	36	0.312	52	0.19	0.06	1.10	0.35	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1340	CLUSTER	YES	6773.78		24.75	15.01	39.76	1960	Valve	6773.78	Valve	59222.14	36	0.312	52	0.17	0.05	10.27	0.88	5:43	335	974	701	649	0.48	1.11							1250	Unknown		
1344	MELO-CORR	YES	6774.73		25.7	14.07	39.76	1960	Valve	6774.73	Valve	59221.2	36	0.312	52	0.15	0.05	1.10	0.28	5:45	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1345	MELO-CORR	YES	6775.12		26.09	13.67	39.76	1960	Valve	6775.12	Valve	59220.8	36	0.312	52	0.17	0.05	1.14	0.20	0.259722	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1346	MELO-CORR	YES	6783.48		34.45	5.31	39.76	1960	Valve	6783.48	Valve	59212.44	36	0.312	52	0.16	0.05	1.18	0.20	0.263194	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1347	MELO-CORR	YES	6783.74		34.71	5.05	39.76	1960	Valve	6783.74	Valve	59212.18	36	0.312	52	0.15	0.05	1.14	0.16	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1349	CLUSTER	YES	6784.61		35.58	4.19	39.76	1960	Valve	6784.61	Valve	59211.31	36	0.312	52	0.15	0.05	1.45	1.48	5:51	335	1066	768	649	0.44	1.18							1250	Unknown		
1351	MELO-CORR	YES	6784.72		35.69	4.07	39.76	1960	Valve	6784.72	Valve	59211.2	36	0.312	52	0.15	0.05	1.22	0.20	6:18	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1352	GirthWeld		6788.79		39.76	39.82	39.82	1970	Valve	6788.79	Valve	59207.13	36	0.312	52					0.086806	335			649									1250	Unknown		
1353	MELO-CORR	YES	6794.1		5.31	34.51	39.82	1970	Valve	6794.1	Valve	59201.82	36	0.312	52	0.16	0.05	1.10	0.20	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1354	MELO-CORR	YES	6799.44		10.65	29.18	39.82	1970	Valve	6799.44	Valve	59196.48	36	0.312	52	0.15	0.05	1.14	0.20	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1355	MELO-CORR	YES	6801.04		12.25	27.57	39.82	1970	Valve	6801.04	Valve	59194.88	36	0.312	52	0.16	0.05	1.18	0.20	6:18	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1357	CLUSTER	YES	6806.9		18.11	21.71	39.82	1970	Valve	6806.9	Valve	59189.01	36	0.312	52	0.18	0.06	2.18	1.45	6:10	335	1054	759	649	0.44	1.17							1250	Unknown		
1359	MELO-CORR	YES

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)	Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)	(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
1394	GirthWeld		7067.3		39.76	39.04	39.04	2040	Valve	7067.3	Valve	58928.62	36	0.312	52					1:26	335			649									1250	Unknown		
1395	GirthWeld		7106.34		39.04	34.68	34.68	2050	Valve	7106.34	Valve	58889.58	36	0.312	52					11:44	335			649									1250	Unknown		
1396	GirthWeld		7141.02		34.68	39.04	39.03	2060	Valve	7141.02	Valve	58854.89	36	0.312	52					0.106944	335			649									1250	Unknown		
1397	MELO-CORR	YES	7145.83		4.81	34.23	39.03	2060	Valve	7145.83	Valve	58850.09	36	0.312	52	0.15	0.05	1.22	0.16	0.247917	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1398	MELO-CORR	YES	7168.69		27.67	11.37	39.03	2060	Valve	7168.69	Valve	58827.23	36	0.312	52	0.17	0.05	1.10	0.20	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1399	GirthWeld		7180.06		39.04	39.86	39.86	2070	Valve	7180.06	Valve	58815.86	36	0.312	52					1:32	335			649									1250	Unknown		
1400	GirthWeld		7219.92		39.86	39.8	39.8	2080	Valve	7219.92	Valve	58776	36	0.312	52					12:56	335			649									1250	Unknown		
1401	GirthWeld		7259.72		39.8	39.52	39.52	2090	Valve	7259.72	Valve	58736.2	36	0.312	52					0.490278	335			649									1250	Unknown		
1402	GirthWeld		7299.24		39.52	39.73	39.73	2100	Valve	7299.24	Valve	58696.68	36	0.312	52					0.468056	335			649									1250	Unknown		
1403	MELO-CORR	YES	7300.18		0.94	38.8	39.73	2100	Valve	7300.18	Valve	58695.74	36	0.312	52	0.26	0.08	1.10	0.47	0.257639	335	1065	767	649	0.44	1.18							1598	Metal Loss		
1404	MELO-CORR	YES	7301.99		2.75	36.98	39.73	2100	Valve	7301.99	Valve	58693.93	36	0.312	52	0.15	0.05	1.10	0.39	5:53	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1405	MELO-CORR	YES	7302.92		3.68	36.05	39.73	2100	Valve	7302.92	Valve	58693	36	0.312	52	0.15	0.05	1.14	0.24	5:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1407	CLUSTER	YES	7312.1		12.86	26.87	39.73	2100	Valve	7312.1	Valve	58683.82	36	0.312	52	0.19	0.06	1.80	0.69	0.252083	335	1058	762	649	0.44	1.17							1250	Unknown		
1410	CLUSTER	YES	7312.23		12.99	26.74	39.73	2100	Valve	7312.23	Valve	58683.69	36	0.312	52	0.17	0.05	3.54	1.45	0.238889	335	1034	745	649	0.45	1.15							1250	Unknown		
1412	MELO-CORR	YES	7313.6		14.36	25.37	39.73	2100	Valve	7313.6	Valve	58682.32	36	0.312	52	0.18	0.06	1.14	0.24	0.244444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1413	MELO-CORR	YES	7323.96		24.72	15.01	39.73	2100	Valve	7323.96	Valve	58671.96	36	0.312	52	0.19	0.06	0.94	0.35	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1414	MELO-CORR	YES	7326.54		27.3	12.43	39.73	2100	Valve	7326.54	Valve	58669.38	36	0.312	52	0.16	0.05	1.06	0.35	5:52	335	1070	770	649	0.44	1.19							1598	Metal Loss		
1415	MELO-CORR	YES	7326.99		27.75	11.98	39.73	2100	Valve	7326.99	Valve	58668.93	36	0.312	52	0.15	0.05	1.14	0.16	0.240972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1416	GirthWeld		7338.97		39.73	39.68	39.68	2110	Valve	7338.97	Valve	58656.95	36	0.312	52					0.052778	335			649									1250	Unknown		
1417	MELO-CORR	YES	7339.36		0.39	39.3	39.68	2110	Valve	7339.36	Valve	58656.56	36	0.312	52	0.19	0.06	1.10	0.16	0.263194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1418	MELO-CORR	YES	7357.09		18.12	21.56	39.68	2110	Valve	7357.09	Valve	58638.83	36	0.312	52	0.23	0.07	1.10	0.24	5:54	335	1066	768	649	0.44	1.18							1598	Metal Loss		
1419	MELO-CORR	YES	7367.51		28.53	11.15	39.68	2110	Valve	7367.51	Valve	58628.42	36	0.312	52	0.15	0.05	1.14	0.20	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1420	GirthWeld		7378.65		39.68	31.08	31.07	2120	Valve	7378.65	Valve	58617.27	36	0.312	52					0.489583	335			649									1250	Unknown		
1421	GirthWeld		7409.73		31.08	39.61	39.62	2130	Valve	7409.73	Valve	58586.19	36	0.312	52					0.084722	335			649									1250	Unknown		
1423	CLUSTER	YES	7432.08		22.35	17.26	39.62	2130	Valve	7432.08	Valve	58563.84	36	0.312	52	0.17	0.05	1.62	0.47	0.251389	335	1063	765	649	0.44	1.18							1250	Unknown		
1426	CLUSTER	YES	7443.81		34.08	5.53	39.62	2130	Valve	7443.81	Valve	58552.11	36	0.312	52	0.15	0.05	2.83	2.01	5:54	335	1049	755	649	0.44	1.17							1250	Unknown		
1429	GirthWeld		7449.34		39.61	39.73	39.73	2140	Valve	7449.34	Valve	58546.58	36	0.312	52					12:52	335			649									1250	Unknown		
1430	MELO-CORR	YES	7480.13		30.79	8.95	39.73	2140	Valve	7480.13	Valve	58515.79	36	0.312	52	0.17	0.05	1.18	0.20	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1431	GirthWeld		7489.07		39.73	38.86	38.85	2150	Valve	7489.07	Valve	58506.85	36	0.312	52					0.4875	335			649									1250	Unknown		
1433	CLUSTER	YES	7505.18		16.11	22.74	38.85	2150	Valve	7505.18	Valve	58490.74	36	0.312	52	0.16	0.05	5.70	2.45	0.229861	335	1011	728	649	0.46	1.13							1250	Unknown		
1436	MELO-CORR	YES	7513.31		24.24	14.62	38.85	2150	Valve	7513.31	Valve	58482.61	36	0.312	52	0.17	0.05	1.10	0.20	5:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1437	MELO-CORR	YES	7514.3		25.23	13.62	38.85	2150	Valve	7514.3	Valve	58481.62	36	0.312	52	0.15	0.05	1.14	0.20	5:45	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1439	CLUSTER	YES	7517.71		28.64	10.21	38.85	2150	Valve	7517.71	Valve	58478.21	36	0.312	52	0.21	0.07	2.48	0.44	0.23125	335	1044	751	649	0.45	1.16							1250	Unknown		
1442	CLUSTER	YES	7519.1		30.03	8.82	38.85	2150	Valve	7519.1	Valve	58476.82	36	0.312	52	0.25	0.08	5.76	1.32	0.225694	335	969	698	649	0.48	1.12							1250	Unknown		
1447	CLUSTER	YES	7523.07		34	4.86	38.85	2150	Valve	7523.07	Valve	58472.85	36	0.312	52	0.15	0.05	6.98	1.38	0.245139	335	1005	723	649	0.46	1.12							1250	Unknown		
1452	GirthWeld		7527.93		38.86	39.68	39.67	2160	Valve	7527.93	Valve	58467.99	36	0.312	52					10:54	335			649									1250	Unknown		
1453	MELO-CORR	YES	7546.65		18.72	20.95	39.67	2160	Valve	7546.65	Valve	58449.27	36	0.312	52	0.19	0.06	1.14	0.20	5:48	335	1067	769	649	0.44	1.18							1598	Metal Loss		
1454	MELO-CORR	YES	7557.74		29.81	9.85	39.67	2160	Valve	7557.74	Valve	58438.17	36	0.312	52	0.19	0.06	1.22	0.20	0.259028	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1455	MELO-CORR	YES	7562.15		34.22	5.45	39.67	2160	Valve	7562.15	Valve	58433.77	36	0.312	52	0.15	0.05	1.10	0.16	0.253472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1456	MELO-CORR	YES	7564.9		36.97	2.7	39.67	2160	Valve	7564.9	Valve	58431.02	36	0.312	52	0.16	0.05	1.18	0.35	0.236806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1457	GirthWeld		7567.6		39.67	39.28	39.28	2170	Valve	7567.6	Valve	58428.32	36	0.312	52					1:41	335			649									1250	Unknown		
1459	CLUSTER	YES	7572.28		4.68	34.61	39.28	2170	Valve	7572.28	Valve	58423.64	36	0.312	52	0.15	0.05	12.60	1.70	5:44	335	979	705	649	0.48	1.09							1250	Unknown		
1471	CLUSTER	YES	7580.15		12.55	26.73	39.28	2170	Valve	7580.15	Valve	58415.77	36	0.312	52	0.31	0.10	7.39	1.82	0.2375	335	912	657	649	0.51	1.11							1250	Unknown		
1477	CLUSTER	YES	7590.15		22.55	16.73	39.28	2170	Valve	7590.15	Valve	58405.77	36	0.312	52	0.17	0.05	8.70	2.29	0.235417	335	982	707	649	0.47	1.11							1250	Unknown		
1482	MELO-CORR	YES	7594.02		26.42	12.86	39.28	2170	Valve	7594.02	Valve	58401.9	36	0.312	52	0.15	0.05	1.18	0.16	0.240972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1484	CLUSTER	YES	7598.25		30.65	8.63	39.28	2170	Valve	7598.25	Valve	58397.67	36	0.312	52	0.17	0.05	2.42	0.72	5:55	335	1051	757	649	0.44	1.17							1250	Unknown		
1487	CLUSTER	YES	7603.89		36.29	2.99	39.28	2170	Valve	7603.89	Valve	58392.03	36	0.312	52	0.17	0.05	5.16	1.23	6:07	335	1013	729	649	0.46	1.14							1250	Unknown		
1490	MELO-CORR	YES	7605.38		37.78	1.51	39.28	2170	Valve	7605.38	Valve	58390.54	36	0.312	52	0.26	0.08	1.10	0.20	0.240972	335	1065	767	649	0.44	1.18							1598	Metal Loss		
1491	GirthWeld		7606.88		39.28	39.64	39.64	2180	Valve	7606.88	Valve	58389.04	36	0.312	52					0.113889	335			649									1250	Unknown		
1492	GirthWeld		7646.52		39.64	39.79	39.8	2190	Valve	7646.52	Valve	58349.4	36	0.312	52					0.5375	335			649									1250	Unknown		
1493	GirthWeld		7686.31		39.79	39.74	39.73	2200	Valve	7686.31	Valve	58309.61	36	0.312	52					11:14	335			649									1250	Unknown		
1494	GirthWeld		7726.05		39.74	37.75	37.75	2210	Valve	7726.05	Valve	58269.87	36	0.312	52					1:15	335			649									1250	Unknown		
1495	MELO-CORR	YES	7751.07		25.02	12.73	37.75	2210	Valve	7751.07	Valve	58244.85	36	0.312	52	0.16	0.05	1.18	0.20	0.246528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1497	CLUSTER	YES	7760.04		33.99	3.76	37.75	2210	Valve	7760.04	Valve	58235.88	36	0.312	52	0.16	0.05	4.21	1.42	0.242361	335	1028	740	649	0.45	1.15							1250	Unknown		
1500	GirthWeld		7763.8		37.75	39.78	39.78	2220	Valve	7763.8	Valve	58232.12	36	0.312	52					0.534028	335			649									1250	Unknown		
1501	GirthWeld		7803.58		39.78	39.77	39.76	2230	Valve	7803.58	Valve	58192.34	36	0.312	52					10:43	335			649									1250	Unknown		
1502	MELO-CORR	YES	7824.97		21.39	18.38	39.76	2230	Valve	7824.97	Valve	58170.95	36	0.312	52	0.15	0.05	1.14	0.16	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1503	GirthWeld		7843.35		39.77	39.62	39.63	2240	Valve	7843.35	Valve	58152.57	36	0.312	52					0.481944	335			649									1250	Unknown		
1504	MELO-CORR	YES	7865.35		22	17.62	39.63	2240	Valve	7865.35	Valve	58130.57	36	0.312	52	0.15	0.05	1.10	0.20	0.245139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1505	GirthWeld		7882.97		39.62	39.15	39.15	2250	Valve	7882.97	Valve	58112.95	36	0.312	52					0.534722	335			649									1250	Unknown		
1506	GirthWeld		7922.12		39.15	39.58	39.58	2260	Valve	7922.12	Valve	58073.8	36	0.312	52					1:52	335			649									1250	Unknown		
1508	CLUSTER	YES	7922.7		0.58	39	39.58	2260	Valve	7922.7	Valve	58073.22	36	0.312	52	0.16	0.05	4.18	0.66	6:06	335	1028	740	649	0.45	1.14							1250	Unknown		
1511	CLUSTER	YES	7931.28		9.16	30.42	39.58	2260	Valve	7931.28	Valve	58064.64	36	0.312	52	0.17	0.05	1.50	0.57	0.245833	335	1064	766	649	0.44	1.18							1250	Unknown		
1514	CLUSTER	YES	7935.59		13.47	26.12	39.58	2260	Valve	7935.59	Valve	58060.33	36	0.312	52	0.2	0.06	6.08	0.69	0.254861	335	988	712	649	0.47	1.12							1250	Unknown		
1520	CLUSTER	YES	7936.19		14.07	25.52	39.58	2260	Valve	7936.19	Valve	58059.73	36	0.312	52	0.16	0.05	1.66	0.57	0.254861	335	1063	766	649	0.44	1.18							1250	Unknown		
1522	GirthWeld		7961.7		39.58	28.04	28.03	2270	Valve	7961.7	Valve	58034.22	36	0.312	52					8:52	335			649									1250	Unknown		
1524	CLUSTER	YES	7966.29		4.59	23.45	28.03	2270	Valve	7966.29	Valve	58029.63	36	0.312	52	0.2	0.06	3.35	0.54	5:57	335	1029	741	649	0.45	1.14							1250	Unknown		
1526	GirthWeld		7989.74		28.04	39.77	39.77	2280	Valve	7989.74	Valve	58006.18	36	0.312	52					0.5	335			649									1250	Unknown		
1527	GirthWeld		8029.51		39.77	39.81	39.82	2290	Valve	8029.51	Valve	57966.41	36	0.312	52					0.100694	335			649									1250	Unknown		
1528	GirthWeld		8069.32		39.81	39.83	39.83	2300	Valve	8069.32	Valve	57926.6	36	0.312	52					0.534722	335			649									1250	Unknown		
1529	MELO-CORR	YES	8089.73		20.41	19.43	39.83	2300	Valve	8089.73	Valve	57906.19	36	0.312	52	0.15	0.05	1.06	0.20	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1530	GirthWeld		8109.15		39.84	39.82	39.82	2310	Valve	8109.15	Valve	57886.76	36	0.312	52					10:02	335			649									1250	Unknown		
1531	GirthWeld		8148.98		39.83	39.73	39.73	2320	Valve	8148.98	Valve	57846.95	36	0.312	52					0.478472	335			649									1250	Unknown		
1533	CLUSTER	YES	8151.89		2.91	36.82	39.73	2320	Valve	8151.89	Valve	57844.03	36	0.312	52	0.17	0.05	9.97	1.60	0.246528	335	976	702	649	0.48	1.09							1250	Unknown		
1539	GirthWeld		8188.71		39.73	39.77	39.77	2330	Valve	8188.71	Valve	57807.21	36	0.312	52					0.527083	335			649									1250	Unknown		
1540	MELO-CORR	YES	8192.81		4.1	35.67	39.77	2330	Valve	8192.81	Valve	57803.11	36	0.312	52	0.28	0.09	1.26	0.32	5:56	335	1061	764	649	0.44	1.18							1598	Metal Loss		
1542	CLUSTER	YES	8197.47		8.76	31.01	39.77	2330	Valve	8197.47	Valve	57798.45	36	0.312	52	0.21	0.07	3.01	1.26	5:55	335	1033	744	649	0.45	1.16							1250	Unknown		
1546	CLUSTER	YES	8203.12		14.41	25.36	39.77	2330	Valve	8203.12	Valve	57792.8	36	0.312	52	0.15	0.05	2.03	0.54	0.242361	335	1059	763	649	0.44	1.18							1250	Unknown		
1548	GirthWeld		8228.48		39.77	39.14	39.14	2340	Valve	8228.48	Valve	57767.44	36	0.312	52					0.115278	335			649									1250	Unknown		
1549	GirthWeld		8267.62		39.14	36.95	36.95	2350	Valve	8267.62	Valve	57728.3	36	0.312	52					0.482639	335			649									1250	Unknown		
1550	GirthWeld		8304.57		36.95	39.73	39.73	2360	Valve	8304.57	Valve	57691.35	36	0.312	52					10:56	335			649									1250	Unknown		
1551	GirthWeld		8344.3		39.73	39.79	39.79	2370	Valve	8344.3	Valve	57651.62	36	0.312	52					1:00	335			649									1250	Unknown		
1552	GirthWeld		8384.09		39.79	39.77	39.77	2380	Valve	8384.09	Valve	57611.83	36	0.312	52					0.104167	335			649									1250	Unknown		
1554	CLUSTER	YES	8387.51		3.42	36.35	39.77	2380	Valve	8387.51	Valve	57608.41	36	0.312	52	0.17	0.05	1.24	0.44	0.247917	335	1068	769	649	0.44	1.18							1250	Unknown		
1556	GirthWeld		8423.86		39.77	38.83	38.83	2390	Valve	8423.86	Valve	57572.06	36	0.312	52					0.494444	335			649									1250	Unknown		
1557	GirthWeld		8462.69		38.83	30.41	30.41	2400	Valve	8462.69	Valve	57533.23	36	0.312	52					10:54	335			649									1250	Unknown		
1559	CLUSTER	YES	8468.13		5.44	24.97	30.41	2400	Valve	8468.13	Valve	57527.79	36	0.312	52	0.21	0.07	1.30	0.41	5:57	335	1065	766	649	0.44	1.18							1250	Unknown		
1561	GirthWeld		8493.1		30.41	39.82	39.82	2410	Valve	8493.1	Valve	57502.82	36	0.312	52					0.057639	335			649									1250	Unknown		
1562	GirthWeld		8532.92		39.82	39.49	39.48	2420	Valve	8532.92	Valve	57462.99	36	0.312	52					0.152083	335			649									1250	Unknown		
1563	MELO-CORR	YES	8536.46		3.54	35.95	39.48	2420	Valve	8536.46	Valve	57459.46	36	0.312	52	0.15	0.05	1.22	0.20	0.245139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1565	CLUSTER	YES	8537.4		4.48	35.01	39.48	2420	Valve	8537.4	Valve	57458.52	36	0.312	52	0.21	0.07	3.50	1.76	5:44	335	1024	737	649	0.45	1.15							1250	Unknown		
1568	MELO-CORR	YES	8538		5.08	34.41	39.48	2420	Valve	8538	Valve	57457.92	36	0.312	52	0.15	0.05	1.10	0.20	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1569	MELO-CORR	YES	8540.33		7.41	32.08	39.48	2420	Valve	8540.33	Valve	57455.6	36	0.312	52	0.19	0.06	1.14	0.16	0.225694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1570	MELO-CORR	YES	8540.52		7.6	31.89	39.48	2420	Valve	8540.52	Valve	57455.4	36	0.312	52	0.16	0.05	1.14	0.16	0.229167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1571	MELO-CORR	YES	8543.29		10.37	29.11	39.48	2420	Valve	8543.29	Valve	57452.63	36	0.312	52	0.15	0.05	1.22	0.43	0.239583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1572	MELO-CORR	YES	8543.91		10.99	28.5	39.48	2420	Valve	8543.91	Valve	57452.01	36	0.312	52	0.15	0.05	1.10	0.24	5:48	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1574	CLUSTER	YES	8545.16		12.24	27.25	39.48	2420	Valve	8545.16	Valve	57450.76	36	0.312	52	0.16	0.05	1.18	0.35	5:58	335	1069	769	649	0.44	1.19							1250	Unknown		
1576	MELO-CORR	YES	8559.89		26.97	12.52	39.48	2420	Valve	8559.89	Valve	57436.03	36	0.312	52	0.17	0.05	1.18	0.43	0.240278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1578	CLUSTER	YES	8561.81		28.89	10.6	39.48	2420	Valve	8561.81	Valve	57434.11	36	0.312	52	0.18	0.06	3.32	0.91	0.238889	335	1035	745	649	0.45	1.16							1250	Unknown		
1580	MELO-CORR	YES	8566.65		33.73	5.76	39.48	2420	Valve	8566.65	Valve	57429.27	36	0.312	52	0.16	0.05	1.22	0.32	0.240278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1581	MELO-CORR	YES	8570.38		37.46	2.02	39.48	2420	Valve	8570.38	Valve	57425.54	36	0.312	52	0.16	0.05	1.10	0.16	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1582	GirthWeld		8572.41		39.49	38.82	38.82	2430	Valve	8572.41	Valve	57423.51	36	0.312	52					11:59	335			649									1250	Unknown		
1584	CLUSTER	YES	8573.74		1.33	37.49	38.82	2430	Valve	8573.74	Valve	57422.18	36	0.312	52	0.2	0.06	1.22	0.41	0.248611	335	1066	768	649	0.44	1.18							1250	Unknown		
1587	CLUSTER	YES	8598.84		26.43	12.39	38.82	2430	Valve	8598.84	Valve	57397.08	36	0.312	52	0.16	0.05	5.42	1.45	0.239583	335	1014	730	649	0.46	1.13							1250	Unknown		
1592	MELO-CORR	YES	8602.33		29.92

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
1640	CLUSTER	YES	8663.58		12.63	26.39	39.02	2450	Valve	8663.58	Valve	57332.34	36	0.312	52	0.17	0.05	2.88	1.13	6:23	335	1044	752	649	0.45	1.16							1250	Unknown		
1643	CLUSTER	YES	8665.03		14.08	24.93	39.02	2450	Valve	8665.03	Valve	57330.89	36	0.312	52	0.19	0.06	1.25	1.07	6:26	335	1066	768	649	0.44	1.18							1250	Unknown		
1646	CLUSTER	YES	8665.9		14.95	24.07	39.02	2450	Valve	8665.9	Valve	57330.02	36	0.312	52	0.23	0.07	11.89	1.20	0.26875	335	927	668	649	0.50	1.07							1250	Unknown		
1652	CLUSTER	YES	8667.53		16.58	22.44	39.02	2450	Valve	8667.53	Valve	57328.39	36	0.312	52	0.19	0.06	5.51	0.85	0.246528	335	1000	720	649	0.47	1.11							1250	Unknown		
1657	CLUSTER	YES	8669.96		19.01	20	39.02	2450	Valve	8669.96	Valve	57325.96	36	0.312	52	0.17	0.05	1.64	0.57	0.272917	335	1062	765	649	0.44	1.18							1250	Unknown		
1659	CLUSTER	YES	8669.97		19.02	19.99	39.02	2450	Valve	8669.97	Valve	57325.95	36	0.312	52	0.17	0.05	7.58	0.85	5:59	335	990	713	649	0.47	1.11							1250	Unknown		
1664	CLUSTER	YES	8670.25		19.3	19.71	39.02	2450	Valve	8670.25	Valve	57325.67	36	0.312	52	0.21	0.07	9.83	2.33	5:22	335	951	685	649	0.49	1.09							1250	Unknown		
1672	CLUSTER	YES	8670.78		19.83	19.18	39.02	2450	Valve	8670.78	Valve	57325.14	36	0.312	52	0.17	0.05	2.15	0.47	0.271528	335	1055	760	649	0.44	1.17							1250	Unknown		
1677	CLUSTER	YES	8671.18		20.23	18.79	39.02	2450	Valve	8671.18	Valve	57324.74	36	0.312	52	0.21	0.07	3.07	0.47	0.224306	335	1032	743	649	0.45	1.16							1250	Unknown		
1680	CLUSTER	YES	8672.13		21.18	17.83	39.02	2450	Valve	8672.13	Valve	57323.79	36	0.312	52	0.17	0.05	6.49	1.35	0.24375	335	999	719	649	0.47	1.11							1250	Unknown		
1683	MELO-CORR	YES	8672.92		21.97	17.05	39.02	2450	Valve	8672.92	Valve	57323	36	0.312	52	0.22	0.07	1.10	0.20	5:32	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1685	CLUSTER	YES	8673.06		22.11	16.9	39.02	2450	Valve	8673.06	Valve	57322.86	36	0.312	52	0.16	0.05	15.05	3.80	5:59	335	966	696	649	0.48	1.09							1250	Unknown		
1697	CLUSTER	YES	8675.1		24.15	14.87	39.02	2450	Valve	8675.1	Valve	57320.82	36	0.312	52	0.15	0.05	1.43	1.07	0.23125	335	1067	768	649	0.44	1.18							1250	Unknown		
1699	MELO-CORR	YES	8676.24		25.29	13.73	39.02	2450	Valve	8676.24	Valve	57319.68	36	0.312	52	0.22	0.07	1.22	0.71	0.238194	335	1065	767	649	0.44	1.18							1598	Metal Loss		
1701	CLUSTER	YES	8676.73		25.78	13.24	39.02	2450	Valve	8676.73	Valve	57319.19	36	0.312	52	0.18	0.06	3.66	0.85	0.226389	335	1030	741	649	0.45	1.15							1250	Unknown		
1705	MELO-CORR	YES	8679.19		28.24	10.77	39.02	2450	Valve	8679.19	Valve	57316.73	36	0.312	52	0.19	0.06	2.36	0.43	6:31	335	1049	755	649	0.44	1.17							1598	Metal Loss		
1706	MELO-CORR	YES	8680.15		29.19	9.82	39.02	2450	Valve	8680.15	Valve	57315.77	36	0.312	52	0.17	0.05	1.18	0.28	6:31	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1707	MELO-CORR	YES	8680.34		29.39	9.63	39.02	2450	Valve	8680.34	Valve	57315.58	36	0.312	52	0.15	0.05	1.10	0.16	0.270833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1709	CLUSTER	YES	8682.08		31.13	7.89	39.02	2450	Valve	8682.08	Valve	57313.84	36	0.312	52	0.32	0.10	3.40	0.44	0.229861	335	994	715	649	0.47	1.14							1250	Unknown		
1711	MELO-CORR	YES	8686.24		35.29	3.73	39.02	2450	Valve	8686.24	Valve	57309.68	36	0.312	52	0.19	0.06	1.10	0.20	0.227778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1712	MELO-CORR	YES	8687.75		36.8	2.21	39.02	2450	Valve	8687.75	Valve	57308.17	36	0.312	52	0.15	0.05	1.22	0.35	6:26	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1713	MELO-CORR	YES	8688.38		37.43	1.59	39.02	2450	Valve	8688.38	Valve	57307.54	36	0.312	52	0.22	0.07	1.10	0.16	5:21	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1714	MELO-CORR	YES	8688.55		37.6	1.41	39.02	2450	Valve	8688.55	Valve	57307.37	36	0.312	52	0.16	0.05	1.22	0.16	0.266667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1715	GirthWeld		8689.97		39.02	39.13	39.14	2460	Valve	8689.97	Valve	57305.95	36	0.312	52					0.470833	335			649									1250	Unknown		
1717	CLUSTER	YES	8701.2		11.23	27.9	39.14	2460	Valve	8701.2	Valve	57294.72	36	0.312	52	0.28	0.09	6.78	0.47	0.266667	335	938	676	649	0.50	1.12							1250	Unknown		
1720	MELO-CORR	YES	8703.24		13.27	25.86	39.14	2460	Valve	8703.24	Valve	57292.68	36	0.312	52	0.16	0.05	1.81	0.20	5:59	335	1061	764	649	0.44	1.18							1598	Metal Loss		
1722	CLUSTER	YES	8703.8		13.83	25.3	39.14	2460	Valve	8703.8	Valve	57292.12	36	0.312	52	0.16	0.05	1.84	0.57	6:18	335	1061	764	649	0.44	1.18							1250	Unknown		
1724	GirthWeld		8729.1		39.13	38.35	38.35	2470	Valve	8729.1	Valve	57266.82	36	0.312	52					0.539583	335			649									1250	Unknown		
1726	CLUSTER	YES	8756.41		27.31	11.04	38.35	2470	Valve	8756.41	Valve	57239.51	36	0.312	52	0.17	0.05	6.29	5.75	0.227778	335	1001	720	649	0.47	1.12							1250	Unknown		
1731	MELO-CORR	YES	8763.22		34.12	4.24	38.35	2470	Valve	8763.22	Valve	57232.7	36	0.312	52	0.18	0.06	1.14	0.20	0.265972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1732	GirthWeld		8767.45		38.35	39.71	39.71	2480	Valve	8767.45	Valve	57228.47	36	0.312	52					2:08	335			649									1250	Unknown		
1734	CLUSTER	YES	8768.18		0.73	38.98	39.71	2480	Valve	8768.18	Valve	57227.74	36	0.312	52	0.18	0.06	7.98	8.29	5:27	335	981	707	649	0.47	1.11							1250	Unknown		
1745	MELO-CORR	YES	8768.92		1.47	38.25	39.71	2480	Valve	8768.92	Valve	57227	36	0.312	52	0.17	0.05	1.10	0.28	0.227778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1747	CLUSTER	YES	8771.24		3.79	35.92	39.71	2480	Valve	8771.24	Valve	57224.68	36	0.312	52	0.16	0.05	4.74	2.20	0.228472	335	1022	735	649	0.46	1.14							1250	Unknown		
1751	MELO-CORR	YES	8771.82		4.37	35.35	39.71	2480	Valve	8771.82	Valve	57224.1	36	0.312	52	0.17	0.05	1.18	0.16	0.233333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1753	CLUSTER	YES	8772.03		4.58	35.13	39.71	2480	Valve	8772.03	Valve	57223.89	36	0.312	52	0.28	0.09	6.40	0.57	5:37	335	944	680	649	0.49	1.08							1250	Unknown		
1755	MELO-CORR	YES	8772.25		4.8	34.91	39.71	2480	Valve	8772.25	Valve	57223.67	36	0.312	52	0.16	0.05	1.22	0.16	5:08	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1757	MELO-CORR	YES	8772.78		5.33	34.38	39.71	2480	Valve	8772.78	Valve	57223.14	36	0.312	52	0.21	0.07	1.14	0.16	0.235417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
1759	CLUSTER	YES	8773.08		5.63	34.08	39.71	2480	Valve	8773.08	Valve	57222.84	36	0.312	52	0.18	0.06	3.95	0.97	0.233333	335	1025	738	649	0.45	1.15							1250	Unknown		
1762	MELO-CORR	YES	8774.72		7.27	32.44	39.71	2480	Valve	8774.72	Valve	57221.2	36	0.312	52	0.15	0.05	1.10	0.20	0.227778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1764	CLUSTER	YES	8776.43		8.98	30.73	39.71	2480	Valve	8776.43	Valve	57219.49	36	0.312	52	0.18	0.06	5.24	0.76	5:34	335	1008	725	649	0.46	1.13							1250	Unknown		
1766	MELO-CORR	YES	8776.96		9.51	30.21	39.71	2480	Valve	8776.96	Valve	57218.96	36	0.312	52	0.18	0.06	1.18	0.43	5:34	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1768	CLUSTER	YES	8777.44		9.99	29.72	39.71	2480	Valve	8777.44	Valve	57218.47	36	0.312	52	0.17	0.05	5.64	2.29	0.229167	335	1007	725	649	0.46	1.13							1250	Unknown		
1774	CLUSTER	YES	8777.98		10.53	29.19	39.71	2480	Valve	8777.98	Valve	57217.94	36	0.312	52	0.2	0.06	20.53	2.01	0.229167	335	927	668	649	0.50	1.07							1250	Unknown		
1790	CLUSTER	YES	8780.51		13.06	26.65	39.71	2480	Valve	8780.51	Valve	57215.41	36	0.312	52	0.24	0.08	3.23	0.50	0.231125	335	1021	735	649	0.46	1.15							1250	Unknown		
1793	CLUSTER	YES	8781.72		14.27	25.45	39.71	2480	Valve	8781.72	Valve	57214.2	36	0.312	52	0.15	0.05	1.64	1.38	5:35	335	1064	766	649	0.44	1.18							1250	Unknown		
1795	MELO-CORR	YES	8782.38		14.93	24.78	39.71	2480	Valve	8782.38	Valve	57213.54	36	0.312	52	0.18	0.06	1.10	0.20	5:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1797	CLUSTER	YES	8782.74		15.29	24.42	39.71	2480	Valve	8782.74	Valve	57213.18	36	0.312	52	0.18	0.06	6.82	1.64	0.226389	335	991	713	649	0.47	1.12							1250	Unknown		
1803	CLUSTER	YES	8784.16		16.71	23	39.71	2480	Valve	8784.16	Valve	57211.76	36	0.312	52	0.15	0.05	2.14	1.10	0.23125	335	1058	762	649	0.44	1.17							1250	Unknown		
1806	CLUSTER	YES	8784.97		17.52	22.19	39.71	2480	Valve	8784.97	Valve	57210.95	36	0.312	52	0.25	0.08	13.72	2.89	0.222222	335	906	652	649	0.51	1.07							1250	Unknown		
1817	CLUSTER	YES	8788.22		20.77	18.94	39.71	2480	Valve	8788.22	Valve	57207.7	36	0.312	52	0.19	0.06	9.80	3.14	5:18	335	964	694	649	0.48	1.09							1250	Unknown		
1825	MELO-CORR	YES	8789.15		21.7	18.01	39.71	2480	Valve	8789.15	Valve	57206.77	36	0.312	52	0.18	0.06	1.14	0.20	5:39	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1827	CLUSTER	YES	8789.5		22.05	17.67	39.71	2480	Valve	8789.5	Valve	57206.42	36	0.312	52	0.34	0.11	7.84	2.23	0.225	335	887	639	649	0.52	1.11							1250	Unknown		
1832	MELO-CORR	YES	8790.35		22.9	16.81	39.71	2480	Valve	8790.35	Valve	57205.57	36	0.312	52	0.23	0.07	1.10	0.55	0.23125	335	1066	768	649	0.44	1.18							1598	Metal Loss		
1834	CLUSTER	YES	8790.82		23.36	16.35	39.71	2480	Valve	8790.82	Valve	57205.1	36	0.312	52	0.18	0.06	9.54	2.36	0.227083	335	972	700	649	0.48	1.10							1250	Unknown		
1843	CLUSTER	YES	8791.85		24.4	15.31	39.71	2480	Valve	8791.85	Valve	57204.07	36	0.312	52	0.21	0.07	6.12	2.39	5:23	335	984	708	649	0.47	1.13							1250	Unknown		
1848	CLUSTER	YES	8792.45		25	14.72	39.71	2480	Valve	8792.45	Valve	57203.47	36	0.312	52	0.26	0.08	21.19	2.52	5:24	335	880	634	649	0.53	1.06							1250	Unknown		
1867	CLUSTER	YES	8796.18		28.73	10.98	39.71	2480	Valve	8796.18	Valve	57199.74	36	0.312	52	0.26	0.08	6.04	1.29	0.229167	335	960	691	649	0.48	1.12							1250	Unknown		
1873	CLUSTER	YES	8797.14		29.69	10.02	39.71	2480	Valve	8797.14	Valve	57198.78	36	0.312	52	0.2	0.06	4.00	1.04	0.227778	335	1018	733	649	0.46	1.14							1250	Unknown		
1878	CLUSTER	YES	8800		32.55	7.17	39.71	2480	Valve	8800	Valve	57195.92	36	0.312	52	0.16	0.05	2.75	0.38	0.229861	335	1048	755	649	0.44	1.16							1250	Unknown		
1881	CLUSTER	YES	8801.1		33.65	6.06	39.71	2480	Valve	8801.1	Valve	57194.82	36	0.312	52	0.25	0.08	5.95	0.97	5:30	335	966	696	649	0.48	1.10							1250	Unknown		
1886	CLUSTER	YES	8801.75		34.3	5.42	39.71	2480	Valve	8801.75	Valve	57194.17	36	0.312	52	0.24	0.08	7.36	1.76	5:24	335	953	686	649	0.49	1.11							1250	Unknown		
1892	CLUSTER	YES	8802.69		35.24	4.48	39.71	2480	Valve	8802.69	Valve	57193.23	36	0.312	52	0.17	0.05	2.99	1.57	0.229861	335	1042	751	649	0.45	1.16							1250	Unknown		
1896	CLUSTER	YES	8803.59		36.14	3.57	39.71	2480	Valve	8803.59	Valve	57192.33	36	0.312	52	0.15	0.05	3.19	0.72	0.231944	335	1044	752	649	0.45	1.16							1250	Unknown		
1899	CLUSTER	YES	8804.81		37.35	2.36	39.71	2480	Valve	8804.81	Valve	57191.11	36	0.312	52	0.2	0.06	15.19	2.01	0.228472	335	937	675	649	0.50	1.08							1250	Unknown		
1908	GirthWeld		8807.16		39.71	39.8	39.79	2490	Valve	8807.16	Valve	57188.76	36	0.312	52					9:59	335			649									1250	Unknown		
1909	MELO-CORR	YES	8813.42		6.26	33.54	39.79	2490	Valve	8813.42	Valve	57182.5	36	0.312	52	0.16	0.05	1.18	0.16	5:58	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1910	MELO-CORR	YES	8818.1		10.94	28.86	39.79	2490	Valve	8818.1	Valve	57177.82	36	0.312	52	0.15	0.05	1.22	0.39	0.264583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
1911	MELO-CORR	YES	8820.51		13.35	26.44	39.79	2490	Valve	8820.51	Valve	57175.41	36	0.312	52	0.2	0.06	1.10	0.20	0.235417	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1913	CLUSTER	YES	8822.9		15.74	24.05	39.79	2490	Valve	8822.9	Valve	57173.02	36	0.312	52	0.2	0.06	11.23	0.82	0.2375	335	951	684	649	0.49	1.10							1250	Unknown		
1918	MELO-CORR	YES	8827.78		20.62	19.18	39.79	2490	Valve	8827.78	Valve	57168.14	36	0.312	52	0.17	0.05	1.22	0.24	6:20	335	1068	769	649	0.44	1.18							1598	Metal Loss		
1919	MELO-CORR	YES	8827.99		20.83	18.97	39.79	2490	Valve	8827.99	Valve	57167.93	36	0.312	52	0.17	0.05	1.10	0.35	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1921	CLUSTER	YES	8831.3		24.14	15.65	39.79	2490	Valve	8831.3	Valve	57164.62	36	0.312	52	0.16	0.05	1.61	0.47	0.236806	335	1064	766	649	0.44	1.18							1250	Unknown		
1923	MELO-CORR	YES	8833.96		26.8	13	39.79	2490	Valve	8833.96	Valve	57161.96	36	0.312	52	0.23	0.07	1.22	0.20	0.238194	335	1065	766	649	0.44	1.18							1598	Metal Loss		
1924	MELO-CORR	YES	8834.76		27.6	12.2	39.79	2490	Valve	8834.76	Valve	57161.16	36	0.312	52	0.21	0.07	1.18	0.35	0.271528	335	1066	768	649	0.44	1.18							1598	Metal Loss		
1925	MELO-CORR	YES	8841.09		33.93	5.86	39.79	2490	Valve	8841.09	Valve	57154.83	36	0.312	52	0.16	0.05	1.14	0.20	6:15	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1926	MELO-CORR	YES	8841.36		34.2	5.59	39.79	2490	Valve	8841.36	Valve	57154.56	36	0.312	52	0.17	0.05	1.18	0.20	6:22	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1928	CLUSTER	YES	8844.67		37.51	2.29	39.79	2490	Valve	8844.67	Valve	57151.25	36	0.312	52	0.17	0.05	2.84	0.72	0.2625	335	1045	752	649	0.45	1.16							1250	Unknown		
1931	MELO-CORR	YES	8845.1		37.94	1.86	39.79	2490	Valve	8845.1	Valve	57150.82	36	0.312	52	0.15	0.05	1.14	0.20	0.235417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1932	GirthWeld		8846.96		39.8	39.65	39.65	2500	Valve	8846.96	Valve	57148.96	36	0.312	52					0.482639	335			649									1250	Unknown		
1934	CLUSTER	YES	8847.26		0.3	39.35	39.65	2500	Valve	8847.26	Valve	57148.66	36	0.312	52	0.16	0.05	11.29	4.37	6:04	335	976	703	649	0.48	1.10							1250	Unknown		
1942	CLUSTER	YES	8849.09		2.13	37.51	39.65	2500	Valve	8849.09	Valve	57146.83	36	0.312	52	0.15	0.05	5.40	1.26	5:55	335	1018	733	649	0.46	1.13							1250	Unknown		
1945	MELO-CORR	YES	8865.34		18.38	21.27	39.65	2500	Valve	8865.34	Valve	57130.58	36	0.312	52	0.25	0.08	1.18	0.35	0.231944	335	1064	766	649	0.44	1.18							1598	Metal Loss		
1947	CLUSTER	YES	8875.7		28.74	10.91	39.65	2500	Valve	8875.7	Valve	57120.22	36	0.312	52	0.15	0.05	3.28	1.29	0.247222	335	1043	751	649	0.45	1.15							1250	Unknown		
1950	CLUSTER	YES	8876.72		29.76	9.88	39.65	2500	Valve	8876.72	Valve	57119.2	36	0.312	52	0.23	0.07	2.98	0.88	0.247222	335	1029	741	649	0.45	1.16							1250	Unknown		
1952	MELO-CORR	YES	8882.26		35.3	4.34	39.65	2500	Valve	8882.26	Valve	57113.66	36	0.312	52	0.16	0.05	1.14	0.16	6:01	335	1069	770	649	0.44	1.19							1598	Metal Loss		
1953	GirthWeld		8886.61		39.65	39.76	39.77	2510	Valve	8886.61	Valve	57109.31	36	0.312	52					12:50	335			649									1250	Unknown		
1955	CLUSTER	YES	8896.37		9.76	30	39.77	2510	Valve	8896.37	Valve	57099.55	36	0.312	52	0.15	0.05	3.54	1.35	0.240278	335	1039	748	649	0.45	1.16							1250	Unknown		
1957	MELO-CORR	YES	8902.42		15.81	23.95	39.77	2510	Valve	8902.42	Valve	57093.5	36	0.312	52	0.3	0.09	1.26	0.24	0.234028	335	1060	763	649	0.44	1.18							1598	Metal Loss		
1959	CLUSTER	YES	8905.15		18.54	21.22	39.77	2510	Valve	8905.15	Valve	57090.77	36	0.312	52	0.17	0.05	12.84	2.73	0.240278	335	965	695	649	0.48	1.09							1250	Unknown		
1964	MELO-CORR	YES	8920.99		34.38	5.39	39.77	2510	Valve	8920.99	Valve	57074.93	36	0.312	52	0.18	0.06	1.10	0.16	5:50	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1965	GirthWeld		8926.37		39.76	39.78	39.77	2520	Valve	8926.37	Valve	57069.55	36	0.312	52					2:14	335			649									1250	Unknown		
1967	CLUSTER	YES	8941.56		15.19	24.59	39.77	2520	Valve	8941.56	Valve	57054.36	36	0.312	52	0.17	0.05	5.50	0.69	0.241667	335	1009	726	649	0.46	1.13							1250	Unknown		
1970	MELO-CORR	YES	8965.8		39.43	0.35	39.77	2520	Valve	8965.8	Valve	57030.12	36	0.312	52	0.15	0.05	1.10	0.51	0.248611	335	1070	770	649	0.43	1.19							1598	Metal Loss		
1971	GirthWeld		8966.15		39.78	39.76	39.76	2530	Valve	8966.15	Valve	57029.77	36	0.312	52					0.501389	335			649									1250	Unknown		
1972	MELO-CORR	YES	8992.14		25.99	13.77	39.76	2530	Valve	8992.14	Valve	57003.78	36	0.312	52	0.16	0.05	1.18	0.16	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
1973	GirthWeld		9005.91		39.76	39.23	39.23	2540	Valve	9005.91	Valve	56990.01	36	0.312	52		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
2062	GirthWeld		9423.08		39.84	39.69	39.69	2650	Valve	9423.08	Valve	56572.84	36	0.312	52					11:30	335			649									1250	Unknown		
2063	MELO-CORR	YES	9443.55		20.47	19.22	39.69	2650	Valve	9443.55	Valve	56552.37	36	0.312	52	0.24	0.08	1.10	0.16	5:52	335	1066	767	649	0.44	1.18							1598	Metal Loss		
2064	GirthWeld		9462.77		39.69	39.73	39.73	2660	Valve	9462.77	Valve	56533.15	36	0.312	52					0.427778	335			649									1250	Unknown		
2065	GirthWeld		9502.5		39.73	39.75	39.75	2670	Valve	9502.5	Valve	56493.42	36	0.312	52					0.5125	335			649									1250	Unknown		
2066	GirthWeld		9542.25		39.75	39.68	39.68	2680	Valve	9542.25	Valve	56453.67	36	0.312	52					0.479167	335			649									1250	Unknown		
2068	CLUSTER	YES	9554.15		11.9	27.78	39.68	2680	Valve	9554.15	Valve	56441.77	36	0.312	52	0.15	0.05	3.00	0.44	5:56	335	1047	754	649	0.44	1.16							1250	Unknown		
2070	MELO-CORR	YES	9557.09		14.84	24.85	39.68	2680	Valve	9557.09	Valve	56438.83	36	0.312	52	0.18	0.06	1.14	0.24	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2071	GirthWeld		9581.93		39.68	39.88	39.88	2690	Valve	9581.93	Valve	56413.99	36	0.312	52					0.120833	335			649									1250	Unknown		
2073	CLUSTER	YES	9582.44		0.51	39.38	39.88	2690	Valve	9582.44	Valve	56413.48	36	0.312	52	0.15	0.05	1.27	0.41	0.245139	335	1068	769	649	0.44	1.18							1250	Unknown		
2075	MIFE	n/a	9593.43		11.5	28.39	39.88	2690	Valve	9593.43	Valve	56402.49	36	0.312	52					0.491667	335			649									2167	Mill Anomaly		
2076	MELO-CORR	YES	9601.62		19.69	20.2	39.88	2690	Valve	9601.62	Valve	56394.3	36	0.312	52	0.15	0.05	1.18	0.16	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2077	GirthWeld		9621.81		39.88	39.6	39.59	2700	Valve	9621.81	Valve	56374.11	36	0.312	52					10:39	335			649									1250	Unknown		
2078	GirthWeld		9661.41		39.6	39.84	39.85	2710	Valve	9661.41	Valve	56334.51	36	0.312	52					0.373611	335			649									1250	Unknown		
2079	MELO-CORR	YES	9669.24		7.83	32.02	39.85	2710	Valve	9669.24	Valve	56326.68	36	0.312	52	0.2	0.06	1.10	0.20	0.250694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2081	CLUSTER	YES	9670.64		9.23	30.61	39.85	2710	Valve	9670.64	Valve	56325.28	36	0.312	52	0.2	0.06	2.63	0.28	0.232639	335	1042	751	649	0.45	1.16							1250	Unknown		
2083	MELO-CORR	YES	9670.79		9.38	30.47	39.85	2710	Valve	9670.79	Valve	56325.13	36	0.312	52	0.16	0.05	1.22	0.20	6:22	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2084	MELO-CORR	YES	9671.69		10.28	29.57	39.85	2710	Valve	9671.69	Valve	56324.23	36	0.312	52	0.16	0.05	1.22	0.43	5:40	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2086	CLUSTER	YES	9672.11		10.7	29.14	39.85	2710	Valve	9672.11	Valve	56323.81	36	0.312	52	0.19	0.06	2.87	0.66	0.265278	335	1040	749	649	0.45	1.16							1250	Unknown		
2089	MELO-CORR	YES	9672.63		11.22	28.63	39.85	2710	Valve	9672.63	Valve	56323.29	36	0.312	52	0.19	0.06	1.18	0.20	0.249306	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2091	CLUSTER	YES	9672.68		11.27	28.57	39.85	2710	Valve	9672.68	Valve	56323.24	36	0.312	52	0.21	0.07	2.80	0.63	0.265278	335	1037	747	649	0.45	1.16							1250	Unknown		
2094	CLUSTER	YES	9673.06		11.65	28.19	39.85	2710	Valve	9673.06	Valve	56322.86	36	0.312	52	0.17	0.05	2.21	2.36	6:20	335	1055	759	649	0.44	1.17							1250	Unknown		
2097	CLUSTER	YES	9673.48		12.07	27.78	39.85	2710	Valve	9673.48	Valve	56322.44	36	0.312	52	0.15	0.05	2.02	0.35	6:00	335	1060	763	649	0.44	1.18							1250	Unknown		
2099	MELO-CORR	YES	9674.54		13.13	26.72	39.85	2710	Valve	9674.54	Valve	56321.38	36	0.312	52	0.17	0.05	1.10	0.16	0.232639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2100	MELO-CORR	YES	9674.61		13.2	26.65	39.85	2710	Valve	9674.61	Valve	56321.31	36	0.312	52	0.17	0.05	1.22	0.71	0.264583	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2101	MELO-CORR	YES	9674.93		13.52	26.32	39.85	2710	Valve	9674.93	Valve	56320.99	36	0.312	52	0.2	0.06	1.14	0.20	0.264583	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2102	MELO-CORR	YES	9675.07		13.66	26.19	39.85	2710	Valve	9675.07	Valve	56320.85	36	0.312	52	0.2	0.06	1.22	0.39	5:34	335	1066	768	649	0.44	1.18							1598	Metal Loss		
2103	MELO-CORR	YES	9675.23		13.82	26.02	39.85	2710	Valve	9675.23	Valve	56320.69	36	0.312	52	0.2	0.06	1.18	0.20	6:23	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2105	CLUSTER	YES	9675.28		13.87	25.98	39.85	2710	Valve	9675.28	Valve	56320.64	36	0.312	52	0.15	0.05	5.20	1.95	0.228472	335	1020	734	649	0.46	1.13							1250	Unknown		
2111	CLUSTER	YES	9675.8		14.39	25.45	39.85	2710	Valve	9675.8	Valve	56320.12	36	0.312	52	0.18	0.06	2.95	1.95	0.220833	335	1041	750	649	0.45	1.16							1250	Unknown		
2116	CLUSTER	YES	9676.53		15.12	24.72	39.85	2710	Valve	9676.53	Valve	56319.39	36	0.312	52	0.16	0.05	3.05	2.80	0.225	335	1044	752	649	0.45	1.16							1250	Unknown		
2120	CLUSTER	YES	9676.89		15.48	24.36	39.85	2710	Valve	9676.89	Valve	56319.03	36	0.312	52	0.15	0.05	4.37	0.60	5:58	335	1029	741	649	0.45	1.15							1250	Unknown		
2123	CLUSTER	YES	9677.27		15.86	23.99	39.85	2710	Valve	9677.27	Valve	56318.65	36	0.312	52	0.19	0.06	5.33	2.36	5:21	335	1002	722	649	0.46	1.13							1250	Unknown		
2127	CLUSTER	YES	9678.08		16.67	23.17	39.85	2710	Valve	9678.08	Valve	56317.84	36	0.312	52	0.16	0.05	5.83	2.08	0.263194	335	1010	727	649	0.46	1.13							1250	Unknown		
2132	MELO-CORR	YES	9678.78		17.37	22.48	39.85	2710	Valve	9678.78	Valve	56317.14	36	0.312	52	0.2	0.06	1.10	0.20	0.26875	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2134	CLUSTER	YES	9680.01		18.6	21.24	39.85	2710	Valve	9680.01	Valve	56315.91	36	0.312	52	0.19	0.06	4.01	0.57	0.227778	335	1021	735	649	0.46	1.14							1250	Unknown		
2138	CLUSTER	YES	9680.74		19.33	20.52	39.85	2710	Valve	9680.74	Valve	56315.18	36	0.312	52	0.16	0.05	5.72	1.73	5:52	335	1011	728	649	0.46	1.13							1250	Unknown		
2142	MELO-CORR	YES	9681.23		19.82	20.03	39.85	2710	Valve	9681.23	Valve	56314.69	36	0.312	52	0.15	0.05	1.10	0.16	6:24	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2143	MELO-CORR	YES	9683.04		21.63	18.21	39.85	2710	Valve	9683.04	Valve	56312.88	36	0.312	52	0.25	0.08	1.10	0.24	0.246528	335	1065	767	649	0.44	1.18							1598	Metal Loss		
2144	MELO-CORR	YES	9683.77		22.36	17.48	39.85	2710	Valve	9683.77	Valve	56312.15	36	0.312	52	0.15	0.05	1.22	0.20	0.307639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
2145	MELO-CORR	YES	9684.18		22.77	17.07	39.85	2710	Valve	9684.18	Valve	56311.74	36	0.312	52	0.15	0.05	1.10	0.24	0.300694	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2146	MELO-CORR	YES	9684.47		23.06	16.79	39.85	2710	Valve	9684.47	Valve	56311.45	36	0.312	52	0.17	0.05	1.22	0.20	5:29	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2147	MELO-CORR	YES	9686.95		25.54	14.3	39.85	2710	Valve	9686.95	Valve	56308.97	36	0.312	52	0.19	0.06	1.22	0.20	4:41	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2148	MELO-CORR	YES	9689.34		27.93	11.91	39.85	2710	Valve	9689.34	Valve	56306.58	36	0.312	52	0.18	0.06	1.14	0.16	0.315278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2149	MELO-CORR	YES	9689.6		28.19	11.65	39.85	2710	Valve	9689.6	Valve	56306.32	36	0.312	52	0.18	0.06	1.10	0.20	0.309722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2151	CLUSTER	YES	9689.64		28.23	11.61	39.85	2710	Valve	9689.64	Valve	56306.28	36	0.312	52	0.16	0.05	4.57	2.33	0.143056	335	1023	737	649	0.45	1.14							1250	Unknown		
2154	CLUSTER	YES	9690.33		28.92	10.92	39.85	2710	Valve	9690.33	Valve	56305.59	36	0.312	52	0.31	0.10	9.47	1.51	6:04	335	889	640	649	0.52	1.05							1250	Unknown		
2162	CLUSTER	YES	9690.77		29.36	10.48	39.85	2710	Valve	9690.77	Valve	56305.14	36	0.312	52	0.15	0.05	2.21	0.82	7:17	335	1057	761	649	0.44	1.17							1250	Unknown		
2164	MELO-CORR	YES	9691.57		30.16	9.69	39.85	2710	Valve	9691.57	Valve	56304.35	36	0.312	52	0.15	0.05	1.10	0.39	0.177778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2166	CLUSTER	YES	9693.98		32.57	7.27	39.85	2710	Valve	9693.98	Valve	56301.94	36	0.312	52	0.21	0.07	4.88	1.35	0.152778	335	1000	720	649	0.47	1.14							1250	Unknown		
2170	CLUSTER	YES	9694.87		33.46	6.38	39.85	2710	Valve	9694.87	Valve	56301.05	36	0.312	52	0.25	0.08	10.33	1.42	0.251389	335	922	664	649	0.50	1.07							1250	Unknown		
2177	CLUSTER	YES	9696.27		34.86	4.98	39.85	2710	Valve	9696.27	Valve	56299.64	36	0.312	52	0.17	0.05	4.85	1.07	3:38	335	1016	732	649	0.46	1.14							1250	Unknown		
2180	MELO-CORR	YES	9697.36		35.95	3.89	39.85	2710	Valve	9697.36	Valve	56298.56	36	0.312	52	0.15	0.05	0.98	0.24	7:47	335	1071	771	649	0.43	1.19							1598	Metal Loss		
2182	CLUSTER	YES	9697.5		36.09	3.75	39.85	2710	Valve	9697.5	Valve	56298.42	36	0.312	52	0.17	0.05	1.88	1.38	0.154861	335	1059	763	649	0.44	1.18							1250	Unknown		
2185	CLUSTER	YES	9698.07		36.66	3.18	39.85	2710	Valve	9698.07	Valve	56297.85	36	0.312	52	0.16	0.05	3.38	1.57	0.152083	335	1039	748	649	0.45	1.16							1250	Unknown		
2187	MELO-CORR	YES	9698.67		37.26	2.59	39.85	2710	Valve	9698.67	Valve	56297.25	36	0.312	52	0.18	0.06	1.14	0.20	0.347917	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2188	MELO-CORR	YES	9699.78		38.37	1.47	39.85	2710	Valve	9699.78	Valve	56296.14	36	0.312	52	0.18	0.06	1.14	0.20	3:46	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2189	GirthWeld		9701.25		39.84	39.83	39.82	2720	Valve	9701.25	Valve	56294.67	36	0.312	52					10:46	335			649									1250	Unknown		
2190	MELO-CORR	YES	9701.73		0.48	39.34	39.82	2720	Valve	9701.73	Valve	56294.19	36	0.312	52	0.15	0.05	1.10	0.20	0.271528	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2191	MELO-CORR	YES	9703.5		2.25	37.58	39.82	2720	Valve	9703.5	Valve	56292.42	36	0.312	52	0.16	0.05	1.22	0.20	0.149306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2192	MELO-CORR	YES	9710.89		9.64	30.19	39.82	2720	Valve	9710.89	Valve	56285.03	36	0.312	52	0.15	0.05	1.14	0.16	0.23125	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2194	CLUSTER	YES	9711.08		9.83	30	39.82	2720	Valve	9711.08	Valve	56284.84	36	0.312	52	0.17	0.05	14.68	2.36	7:41	335	960	691	649	0.48	1.09							1250	Unknown		
2195	MELO-CORR	YES	9711.18		9.93	29.89	39.82	2720	Valve	9711.18	Valve	56284.74	36	0.312	52	0.16	0.05	1.18	0.20	5:34	335	1069	769	649	0.44	1.19							1598	Metal Loss		
2201	MELO-CORR	YES	9714.5		13.25	26.57	39.82	2720	Valve	9714.5	Valve	56281.42	36	0.312	52	0.19	0.06	1.10	0.16	0.30625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2203	CLUSTER	YES	9714.71		13.46	26.37	39.82	2720	Valve	9714.71	Valve	56281.21	36	0.312	52	0.16	0.05	6.44	2.14	0.296528	335	1004	723	649	0.46	1.12							1250	Unknown		
2205	CLUSTER	YES	9714.75		13.5	26.33	39.82	2720	Valve	9714.75	Valve	56281.17	36	0.312	52	0.17	0.05	11.02	1.16	0.170833	335	971	699	649	0.48	1.09							1250	Unknown		
2215	CLUSTER	YES	9718.64		17.39	22.44	39.82	2720	Valve	9718.64	Valve	56277.28	36	0.312	52	0.17	0.05	2.26	0.63	6:53	335	1054	759	649	0.44	1.17							1250	Unknown		
2218	CLUSTER	YES	9720.8		19.55	20.28	39.82	2720	Valve	9720.8	Valve	56275.13	36	0.312	52	0.16	0.05	12.85	1.54	4:40	335	971	699	649	0.48	1.09							1250	Unknown		
2225	CLUSTER	YES	9722.59		21.34	18.49	39.82	2720	Valve	9722.59	Valve	56273.33	36	0.312	52	0.16	0.05	13.22	3.65	0.179167	335	970	699	649	0.48	1.09							1250	Unknown		
2228	MELO-CORR	YES	9722.92		21.67	18.15	39.82	2720	Valve	9722.92	Valve	56273	36	0.312	52	0.19	0.06	1.14	0.20	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2235	CLUSTER	YES	9724.4		23.15	16.67	39.82	2720	Valve	9724.4	Valve	56271.52	36	0.312	52	0.19	0.06	8.77	4.40	0.240278	335	970	699	649	0.48	1.09							1250	Unknown		
2243	CLUSTER	YES	9725.24		23.99	15.84	39.82	2720	Valve	9725.24	Valve	56270.68	36	0.312	52	0.19	0.06	14.87	3.90	5:46	335	945	680	649	0.49	1.08							1250	Unknown		
2248	CLUSTER	YES	9725.62		24.37	15.45	39.82	2720	Valve	9725.62	Valve	56270.3	36	0.312	52	0.16	0.05	3.44	0.57	5:26	335	1038	748	649	0.45	1.16							1250	Unknown		
2258	CLUSTER	YES	9726.59		25.34	14.49	39.82	2720	Valve	9726.59	Valve	56269.33	36	0.312	52	0.19	0.06	17.80	5.94	0.240972	335	939	676	649	0.50	1.08							1250	Unknown		
2273	MELO-CORR	YES	9728.2		26.95	12.88	39.82	2720	Valve	9728.2	Valve	56267.72	36	0.312	52	0.17	0.05	1.22	0.16	0.190972	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2275	CLUSTER	YES	9729.8		28.55	11.28	39.82	2720	Valve	9729.8	Valve	56266.12	36	0.312	52	0.2	0.06	23.66	3.24	0.188889	335	924	665	649	0.50	1.04							1250	Unknown		
2279	CLUSTER	YES	9729.94		28.69	11.14	39.82	2720	Valve	9729.94	Valve	56265.98	36	0.312	52	0.21	0.07	15.55	5.22	5:39	335	929	669	649	0.50	1.08							1250	Unknown		
2288	MELO-CORR	YES	9730.48		29.23	10.6	39.82	2720	Valve	9730.48	Valve	56265.44	36	0.312	52	0.17	0.05	1.22	0.20	7:27	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2305	CLUSTER	YES	9731.34		30.09	9.74	39.82	2720	Valve	9731.34	Valve	56264.58	36	0.312	52	0.17	0.05	7.32	1.35	0.254167	335	992	714	649	0.47	1.12							1250	Unknown		
2313	CLUSTER	YES	9732.01		30.76	9.07	39.82	2720	Valve	9732.01	Valve	56263.91	36	0.312	52	0.15	0.05	11.41	1.48	0.196528	335	982	707	649	0.47	1.09							1250	Unknown		
2317	CLUSTER	YES	9732.11		30.86	8.96	39.82	2720	Valve	9732.11	Valve	56263.81	36	0.312	52	0.33	0.10	38.18	4.68	0.240972	335	803	579	649	0.58	1.06							1250	Unknown		
2352	CLUSTER	YES	9735.99		34.74	5.09	39.82	2720	Valve	9735.99	Valve	56259.93	36	0.312	52	0.21	0.07	60.19	8.89	5:26	335	895	644	649	0.52	1.06							1250	Unknown		
2424	GirthWeld		9741.08		39.83	39.41	39.41	2730	Valve	9741.08	Valve	56254.84	36	0.312	52					12:09	335			649									1250	Unknown		
2426	CLUSTER	YES	9742.63		1.55	37.86	39.41	2730	Valve	9742.63	Valve	56253.29	36	0.312	52	0.15	0.05	13.25	2.83	0.25625	335	977	704	649	0.48	1.09							1250	Unknown		
2430	CLUSTER	YES	9742.85		1.77	37.64	39.41	2730	Valve	9742.85	Valve	56253.07	36	0.312	52	0.15	0.05	4.66	1.92	0.225694	335	1026	739	649	0.45	1.14							1250	Unknown		
2439	CLUSTER	YES	9743.74		2.66	36.75	39.41	2730	Valve	9743.74	Valve	56252.18	36	0.312	52	0.16	0.05	2.75	0.72	0.26875	335	1048	755	649	0.44	1.16							1250	Unknown		
2442	CLUSTER	YES	9744.23		3.15	36.26	39.41	2730	Valve	9744.23	Valve	56251.69	36	0.312	52	0.15	0.05	23.36	6.22	5:33	335	963	693	649	0.48	1.08							1250	Unknown		
2460	CLUSTER	YES	9746.17		5.09	34.32	39.41	2730	Valve	9746.17	Valve	56249.74	36	0.312	52	0.19	0.06	29.86	10.15	5:29	335	927	667	649	0.50	1.05							1250	Unknown		
2509	CLUSTER	YES	9749.76		8.68	30.73	39.41	2730	Valve	9749.76	Valve	56246.16	36	0.312	52	0.21	0.07	12.38	2.33	0.230556	335	939	676	649	0.50	1.10							1250	Unknown		
2518	CLUSTER	YES	9751.28		10.2	29.21	39.41	2730	Valve	9751.28	Valve	56244.64	36	0.312	52	0.15	0.05	2.46	0.50	0.2625	335	1054	759	649	0.44	1.17							1250	Unknown		
2521	CLUSTER	YES	9751.78		10.7	28.71	39.41	2730	Valve	9751.78	Valve	56244.14	36	0.312	52	0.2	0.06	28.03	3.21	0.255556	335	920	663	649	0.51	1.07							1250	Unknown		
2524	CLUSTER	YES	9751.9		10.82	28.59	39.41	2730	Valve	9751.9	Valve	56244.02	36	0.312	52	0.17	0.05	12.58	3.02	5:34	335	966	695	649	0.48	1.09							1250	Unknown		
2554	CLUSTER	YES	9753.73		12.65	26.76	39.41	2730	Valve	9753.73	Valve	56242.19	36	0.312	52	0.16	0.05	4.37	0.28	5:46	335	1026	739	649	0.45	1.14							1250	Unknown		
2558	MELO-CORR	YES	9754.02		12.94	26.47	39.41	2730	Valve	9754.02	Valve	56241.9	36	0.312	52	0.16	0.05	1.14	0.20	0.306944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2560	CLUSTER	YES	9754.22		13.14	26.27	39.41	2730	Valve	9754.22	Valve	56241.7	36	0.312	52	0.2	0.06	34.54	7.29	0.234028	335	915	659	649	0.51	1.07							1250	Unknown		
2569	MELO-CORR	YES	9754.87		13.79	25.62	39.41	2730	Valve	9754.87	Valve	56241.05	36	0.312	52	0.15	0.05	1.14	0.20	0.311806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2598	MELO-CORR	YES	9756.91		15.83	23.58	39.41	2730	Valve	9756.91	Valve	56239.01	36	0.312	52	0.15	0.05	1.14	0.16	7:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2600	CLUSTER	YES	9758.3		17.22	22.19	39.41	2730	Valve	9758.3	Valve	56237.62	36	0.312	52	0.18	0.06	5.10	2.89	6:14	335	1009	726	649	0.46	1.13

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)								(feet)					
2717	CLUSTER	YES	9807.77		27.28	12.57	39.85	2740	Valve	9807.77	Valve	56188.15	36	0.312	52	0.15	0.05	7.46	2.33	5:44	335	1001	721	649	0.46	1.12							1250	Unknown		
2722	CLUSTER	YES	9808.5		28.01	11.84	39.85	2740	Valve	9808.5	Valve	56187.42	36	0.312	52	0.21	0.07	5.30	4.49	5:43	335	994	716	649	0.47	1.12							1250	Unknown		
2728	CLUSTER	YES	9809.04		28.55	11.31	39.85	2740	Valve	9809.04	Valve	56186.88	36	0.312	52	0.15	0.05	2.42	1.42	0.246528	335	1054	759	649	0.44	1.17							1250	Unknown		
2731	CLUSTER	YES	9809.44		28.95	10.9	39.85	2740	Valve	9809.44	Valve	56186.48	36	0.312	52	0.19	0.06	12.02	1.67	0.246528	335	954	687	649	0.49	1.09							1250	Unknown		
2742	CLUSTER	YES	9810.9		30.41	9.44	39.85	2740	Valve	9810.9	Valve	56185.02	36	0.312	52	0.2	0.06	3.26	1.64	0.251389	335	1031	742	649	0.45	1.15							1250	Unknown		
2746	CLUSTER	YES	9811.46		30.97	8.88	39.85	2740	Valve	9811.46	Valve	56184.46	36	0.312	52	0.15	0.05	1.81	1.01	6:14	335	1062	765	649	0.44	1.18							1250	Unknown		
2749	CLUSTER	YES	9812.1		31.61	8.24	39.85	2740	Valve	9812.1	Valve	56183.82	36	0.312	52	0.19	0.06	2.52	1.35	5:48	335	1046	753	649	0.44	1.17							1250	Unknown		
2752	GirthWeld		9820.34		39.85	39.49	39.49	2750	Valve	9820.34	Valve	56175.58	36	0.312	52					0.415972	335			649									1250	Unknown		
2753	MELO-CORR	YES	9831.42		11.08	28.41	39.49	2750	Valve	9831.42	Valve	56164.5	36	0.312	52	0.18	0.06	1.18	0.20	0.249306	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2754	MELO-CORR	YES	9834.45		14.11	25.38	39.49	2750	Valve	9834.45	Valve	56161.47	36	0.312	52	0.15	0.05	1.14	0.20	0.248611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2755	MELO-CORR	YES	9850.65		30.31	9.18	39.49	2750	Valve	9850.65	Valve	56145.27	36	0.312	52	0.16	0.05	0.94	0.16	5:59	335	1071	771	649	0.43	1.19							1598	Metal Loss		
2757	CLUSTER	YES	9856.36		36.02	3.48	39.49	2750	Valve	9856.36	Valve	56139.56	36	0.312	52	0.17	0.05	2.75	2.39	5:58	335	1046	753	649	0.44	1.17							1250	Unknown		
2759	GirthWeld		9859.83		39.49	39.86	39.86	2760	Valve	9859.83	Valve	56136.09	36	0.312	52					0.063889	335			649									1250	Unknown		
2761	CLUSTER	YES	9874.89		15.06	24.8	39.86	2760	Valve	9874.89	Valve	56121.03	36	0.312	52	0.17	0.05	10.84	1.35	0.251389	335	972	700	649	0.48	1.08							1250	Unknown		
2768	GirthWeld		9899.69		39.86	39.74	39.74	2770	Valve	9899.69	Valve	56096.23	36	0.312	52					0.472222	335			649									1250	Unknown		
2769	MELO-CORR	YES	9913.26		13.57	26.17	39.74	2770	Valve	9913.26	Valve	56082.66	36	0.312	52	0.15	0.05	1.18	0.20	5:54	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2771	CLUSTER	YES	9933.8		34.11	5.63	39.74	2770	Valve	9933.8	Valve	56062.12	36	0.312	52	0.15	0.05	2.46	1.70	5:55	335	1054	759	649	0.44	1.17							1250	Unknown		
2773	GirthWeld		9939.43		39.74	39.65	39.65	2780	Valve	9939.43	Valve	56056.49	36	0.312	52					0.059028	335			649									1250	Unknown		
2775	CLUSTER	YES	9939.6		0.17	39.48	39.65	2780	Valve	9939.6	Valve	56056.32	36	0.312	52	0.17	0.05	15.71	1.79	0.2625	335	958	689	649	0.49	1.09							1250	Unknown		
2784	CLUSTER	YES	9941.24		1.81	37.84	39.65	2780	Valve	9941.24	Valve	56054.68	36	0.312	52	0.21	0.07	8.69	1.67	0.268056	335	959	690	649	0.49	1.11							1250	Unknown		
2791	CLUSTER	YES	9943.66		4.23	35.43	39.65	2780	Valve	9943.66	Valve	56052.26	36	0.312	52	0.17	0.05	5.83	2.11	6:20	335	1005	724	649	0.46	1.12							1250	Unknown		
2795	MELO-CORR	YES	9945.89		6.46	33.19	39.65	2780	Valve	9945.89	Valve	56050.03	36	0.312	52	0.15	0.05	1.18	0.16	5:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2796	MELO-CORR	YES	9947.31		7.88	31.77	39.65	2780	Valve	9947.31	Valve	56048.61	36	0.312	52	0.16	0.05	1.14	0.24	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2798	CLUSTER	YES	9948.06		8.63	31.02	39.65	2780	Valve	9948.06	Valve	56047.86	36	0.312	52	0.18	0.06	9.72	3.58	0.244444	335	971	699	649	0.48	1.10							1250	Unknown		
2807	MELO-CORR	YES	9949.15		9.72	29.93	39.65	2780	Valve	9949.15	Valve	56046.77	36	0.312	52	0.15	0.05	1.18	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2808	MELO-CORR	YES	9950.5		11.07	28.58	39.65	2780	Valve	9950.5	Valve	56045.42	36	0.312	52	0.2	0.06	1.14	0.16	5:47	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2809	MELO-CORR	YES	9952.56		13.13	26.53	39.65	2780	Valve	9952.56	Valve	56043.36	36	0.312	52	0.2	0.06	1.14	0.20	5:47	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2810	MELO-CORR	YES	9953.11		13.68	25.98	39.65	2780	Valve	9953.11	Valve	56042.81	36	0.312	52	0.19	0.06	1.18	0.20	0.240972	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2811	MELO-CORR	YES	9955.13		15.7	23.95	39.65	2780	Valve	9955.13	Valve	56040.79	36	0.312	52	0.15	0.05	1.22	0.59	0.263194	335	1069	769	649	0.44	1.19							1598	Metal Loss		
2812	MELO-CORR	YES	9955.97		16.54	23.11	39.65	2780	Valve	9955.97	Valve	56039.95	36	0.312	52	0.18	0.06	1.14	0.20	0.247917	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2814	CLUSTER	YES	9956.18		16.75	22.9	39.65	2780	Valve	9956.18	Valve	56039.74	36	0.312	52	0.16	0.05	6.84	1.13	5:59	335	1001	720	649	0.46	1.12							1250	Unknown		
2820	MELO-CORR	YES	9959.24		19.81	19.84	39.65	2780	Valve	9959.24	Valve	56036.68	36	0.312	52	0.19	0.06	1.18	0.20	5:46	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2822	CLUSTER	YES	9965.5		26.07	13.59	39.65	2780	Valve	9965.5	Valve	56030.42	36	0.312	52	0.15	0.05	8.05	2.67	0.248611	335	997	718	649	0.47	1.12							1250	Unknown		
2827	CLUSTER	YES	9966.9		27.47	12.18	39.65	2780	Valve	9966.9	Valve	56029.02	36	0.312	52	0.18	0.06	2.14	0.54	0.241667	335	1054	759	649	0.44	1.17							1250	Unknown		
2830	CLUSTER	YES	9967.62		28.19	11.47	39.65	2780	Valve	9967.62	Valve	56028.3	36	0.312	52	0.17	0.05	3.04	2.36	0.245833	335	1042	750	649	0.45	1.16							1250	Unknown		
2833	CLUSTER	YES	9969.43		30	9.66	39.65	2780	Valve	9969.43	Valve	56026.49	36	0.312	52	0.19	0.06	5.62	1.51	6:09	335	998	719	649	0.47	1.12							1250	Unknown		
2839	CLUSTER	YES	9971.4		31.97	7.69	39.65	2780	Valve	9971.4	Valve	56024.52	36	0.312	52	0.16	0.05	1.49	0.54	6:00	335	1065	767	649	0.44	1.18							1250	Unknown		
2841	MELO-CORR	YES	9976.21		36.78	2.87	39.65	2780	Valve	9976.21	Valve	56019.71	36	0.312	52	0.16	0.05	1.14	0.20	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2842	MELO-CORR	YES	9976.32		36.89	2.76	39.65	2780	Valve	9976.32	Valve	56019.6	36	0.312	52	0.23	0.07	1.14	0.20	0.238889	335	1066	767	649	0.44	1.18							1598	Metal Loss		
2844	CLUSTER	YES	9977.36		37.93	1.72	39.65	2780	Valve	9977.36	Valve	56018.56	36	0.312	52	0.17	0.05	1.54	0.44	0.25	335	1064	766	649	0.44	1.18							1250	Unknown		
2846	MELO-CORR	YES	9977.58		38.15	1.51	39.65	2780	Valve	9977.58	Valve	56018.34	36	0.312	52	0.17	0.05	1.18	0.28	5:42	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2847	GirthWeld		9979.08		39.65	35.07	35.07	2790	Valve	9979.08	Valve	56016.84	36	0.312	52					12:12	335			649									1250	Unknown		
2849	CLUSTER	YES	9979.14		0.06	35.01	35.07	2790	Valve	9979.14	Valve	56016.78	36	0.312	52	0.16	0.05	14.58	2.89	0.248611	335	967	696	649	0.48	1.09							1250	Unknown		
2856	CLUSTER	YES	9979.95		0.87	34.2	35.07	2790	Valve	9979.95	Valve	56015.97	36	0.312	52	0.2	0.06	6.82	1.04	0.234722	335	981	706	649	0.47	1.12							1250	Unknown		
2864	MELO-CORR	YES	9987.89		8.81	26.26	35.07	2790	Valve	9987.89	Valve	56008.03	36	0.312	52	0.2	0.06	1.10	0.16	0.239583	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2866	CLUSTER	YES	9987.97		8.89	26.18	35.07	2790	Valve	9987.97	Valve	56007.95	36	0.312	52	0.2	0.06	2.44	1.07	6:11	335	1046	753	649	0.44	1.17							1250	Unknown		
2869	CLUSTER	YES	9988.84		9.76	25.31	35.07	2790	Valve	9988.84	Valve	56007.08	36	0.312	52	0.23	0.07	2.23	0.54	5:42	335	1045	753	649	0.45	1.17							1250	Unknown		
2871	MELO-CORR	YES	9991.53		12.45	22.62	35.07	2790	Valve	9991.53	Valve	56004.39	36	0.312	52	0.16	0.05	1.14	0.16	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2872	MELO-CORR	YES	9991.82		12.74	22.33	35.07	2790	Valve	9991.82	Valve	56004.1	36	0.312	52	0.17	0.05	1.22	0.32	0.239583	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2873	MELO-CORR	YES	9992.54		13.46	21.61	35.07	2790	Valve	9992.54	Valve	56003.38	36	0.312	52	0.19	0.06	1.10	0.39	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2875	CLUSTER	YES	9996.02		16.94	18.12	35.07	2790	Valve	9996.02	Valve	55999.89	36	0.312	52	0.18	0.06	3.24	0.72	5:25	335	1036	746	649	0.45	1.16							1250	Unknown		
2877	MELO-CORR	YES	9996.55		17.47	17.6	35.07	2790	Valve	9996.55	Valve	55999.37	36	0.312	52	0.16	0.05	1.22	0.39	5:21	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2879	CLUSTER	YES	9997.26		18.18	16.89	35.07	2790	Valve	9997.26	Valve	55998.66	36	0.312	52	0.23	0.07	5.53	2.77	0.227778	335	981	707	649	0.47	1.13							1250	Unknown		
2881	MELO-CORR	YES	9997.33		18.25	16.82	35.07	2790	Valve	9997.33	Valve	55998.59	36	0.312	52	0.17	0.05	1.22	0.20	0.261111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2884	MELO-CORR	YES	9997.97		18.89	16.18	35.07	2790	Valve	9997.97	Valve	55997.95	36	0.312	52	0.18	0.06	1.10	0.32	0.260417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2886	CLUSTER	YES	9999.31		20.23	14.84	35.07	2790	Valve	9999.31	Valve	55996.61	36	0.312	52	0.16	0.05	10.08	2.20	6:06	335	981	707	649	0.47	1.11							1250	Unknown		
2891	MELO-CORR	YES	10000.67		21.59	13.48	35.07	2790	Valve	10000.67	Valve	55995.25	36	0.312	52	0.18	0.06	1.22	0.20	6:16	335	1067	768	649	0.44	1.18							1598	Metal Loss		
2893	CLUSTER	YES	10001.44		22.36	12.71	35.07	2790	Valve	10001.44	Valve	55994.48	36	0.312	52	0.18	0.06	1.22	0.41	0.274306	335	1067	768	649	0.44	1.18							1250	Unknown		
2896	CLUSTER	YES	10002.57		23.49	11.58	35.07	2790	Valve	10002.57	Valve	55993.35	36	0.312	52	0.2	0.06	3.98	1.23	0.240278	335	1018	733	649	0.46	1.15							1250	Unknown		
2898	MELO-CORR	YES	10003.86		24.78	10.28	35.07	2790	Valve	10003.86	Valve	55992.06	36	0.312	52	0.16	0.05	1.77	0.43	0.2375	335	1062	765	649	0.44	1.18							1598	Metal Loss		
2900	CLUSTER	YES	10004.31		25.23	9.84	35.07	2790	Valve	10004.31	Valve	55991.61	36	0.312	52	0.16	0.05	16.22	5.91	5:48	335	964	694	649	0.48	1.09							1250	Unknown		
2916	CLUSTER	YES	10006.5		27.42	7.65	35.07	2790	Valve	10006.5	Valve	55989.42	36	0.312	52	0.17	0.05	5.20	1.86	6:26	335	1012	729	649	0.46	1.14							1250	Unknown		
2921	CLUSTER	YES	10006.84		27.76	7.3	35.07	2790	Valve	10006.84	Valve	55989.07	36	0.312	52	0.19	0.06	5.21	0.60	0.259722	335	1004	723	649	0.46	1.13							1250	Unknown		
2926	CLUSTER	YES	10007.61		28.53	6.54	35.07	2790	Valve	10007.61	Valve	55988.31	36	0.312	52	0.18	0.06	2.28	0.94	0.2625	335	1052	757	649	0.44	1.17							1250	Unknown		
2928	MELO-CORR	YES	10008.96		29.88	5.19	35.07	2790	Valve	10008.96	Valve	55986.96	36	0.312	52	0.17	0.05	1.10	0.20	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2930	CLUSTER	YES	10009.04		29.96	5.11	35.07	2790	Valve	10009.04	Valve	55986.88	36	0.312	52	0.18	0.06	14.33	4.56	6:10	335	954	687	649	0.49	1.09							1250	Unknown		
2937	CLUSTER	YES	10010.61		31.53	3.54	35.07	2790	Valve	10010.61	Valve	55985.31	36	0.312	52	0.16	0.05	12.59	5.22	6:07	335	972	700	649	0.48	1.10							1250	Unknown		
2948	CLUSTER	YES	10012.7		33.62	1.45	35.07	2790	Valve	10012.7	Valve	55983.22	36	0.312	52	0.21	0.07	2.70	2.26	0.2625	335	1039	748	649	0.45	1.16							1250	Unknown		
2952	CLUSTER	YES	10013.62		34.54	0.53	35.07	2790	Valve	10013.62	Valve	55982.3	36	0.312	52	0.15	0.05	4.01	1.86	0.263194	335	1033	744	649	0.45	1.15							1250	Unknown		
2955	MELO-CORR	YES	10013.68		34.6	0.46	35.07	2790	Valve	10013.68	Valve	55982.24	36	0.312	52	0.25	0.08	1.18	0.20	0.239583	335	1064	766	649	0.44	1.18							1598	Metal Loss		
2957	GirthWeld		10014.15		35.07	5.3	5.31	2800	Valve	10014.15	Valve	55981.77	36	0.312	52					10:52	335			649									1250	Unknown		
2958	GirthWeld		10019.45		5.3	36.39	36.39	2810	Valve	10019.45	Valve	55976.47	36	0.312	52					1:12	335			649									1250	Unknown		
2959	GirthWeld		10055.84		36.39	39.78	39.78	2820	Valve	10055.84	Valve	55940.07	36	0.312	52					0.476389	335			649									1250	Unknown		
2960	MELO-CORR	YES	10085.49		29.65	10.13	39.78	2820	Valve	10085.49	Valve	55910.43	36	0.312	52	0.15	0.05	1.14	0.20	0.229167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2961	GirthWeld		10095.62		39.78	39.79	39.78	2830	Valve	10095.62	Valve	55900.3	36	0.312	52					0.521528	335			649									1250	Unknown		
2962	MELO-CORR	YES	10124.67		29.05	10.74	39.78	2830	Valve	10124.67	Valve	55871.25	36	0.312	52	0.15	0.05	1.10	0.16	6:31	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2964	CLUSTER	YES	10130.7		35.08	4.7	39.78	2830	Valve	10130.7	Valve	55865.22	36	0.312	52	0.16	0.05	5.18	1.57	6:20	335	1016	732	649	0.46	1.13							1250	Unknown		
2967	MELO-CORR	YES	10131.76		36.14	3.65	39.78	2830	Valve	10131.76	Valve	55864.16	36	0.312	52	0.17	0.05	1.18	0.20	0.265278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2968	MELO-CORR	YES	10133.22		37.6	2.19	39.78	2830	Valve	10133.22	Valve	55862.7	36	0.312	52	0.15	0.05	1.10	0.20	0.270833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
2970	CLUSTER	YES	10133.65		38.03	1.76	39.78	2830	Valve	10133.65	Valve	55862.27	36	0.312	52	0.16	0.05	3.32	0.35	0.230556	335	1040	749	649	0.45	1.16							1250	Unknown		
2973	CLUSTER	YES	10134.32		38.69	1.09	39.78	2830	Valve	10134.32	Valve	55861.6	36	0.312	52	0.16	0.05	2.58	0.60	6:28	335	1050	756	649	0.44	1.17							1250	Unknown		
2975	MELO-CORR	YES	10134.98		39.36	0.43	39.78	2830	Valve	10134.98	Valve	55860.94	36	0.312	52	0.19	0.06	1.14	0.16	6:25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
2976	GirthWeld		10135.41		39.78	39.7	39.7	2840	Valve	10135.41	Valve	55860.51	36	0.312	52					0.461806	335			649									1250	Unknown		
2978	CLUSTER	YES	10137.49		2.08	37.62	39.7	2840	Valve	10137.49	Valve	55858.43	36	0.312	52	0.17	0.05	1.20	0.41	0.240972	335	1068	769	649	0.44	1.18							1250	Unknown		
2980	MELO-CORR	YES	10138.6		3.19	36.51	39.7	2840	Valve	10138.6	Valve	55857.32	36	0.312	52	0.15	0.05	1.14	0.20	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2981	MELO-CORR	YES	10139.35		3.94	35.76	39.7	2840	Valve	10139.35	Valve	55856.57	36	0.312	52	0.17	0.05	1.18	0.20	6:12	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2982	MELO-CORR	YES	10139.59		4.18	35.51	39.7	2840	Valve	10139.59	Valve	55856.33	36	0.312	52	0.15	0.05	1.14	0.16	6:26	335	1069	770	649	0.44	1.19							1598	Metal Loss		
2983	MELO-CORR	YES	10140.71		5.3	34.4	39.7	2840	Valve	10140.71	Valve	55855.21	36	0.312	52	0.16	0.05	1.22	0.51	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
2985	CLUSTER	YES	10140.75		5.34	34.35	39.7	2840	Valve	10140.75	Valve	55855.17	36	0.312	52	0.15	0.05	8.47	3.11	0.221528	335	995	717	649	0.47	1.11							1250	Unknown		
2991	CLUSTER	YES	10143.42		8.01	31.69	39.7	2840	Valve	10143.42	Valve	55852.5	36	0.312	52	0.15	0.05	2.68	0.63	0.264583	335	1051	757	649	0.44	1.17							1250	Unknown		
2994	CLUSTER	YES	10144.22		8.81	30.89	39.7	2840	Valve	10144.22	Valve	55851.71	36	0.312	52	0.18	0.06	4.93	1.13	6:18	335	1012	728	649	0.46	1.14							1250	Unknown		
2998	CLUSTER	YES	10146.04		10.63	29.07	39.7	2840	Valve	10146.04	Valve	55849.88	36	0.312	52	0.18	0.06	3.59	2.11	6:18	335	1031	742	649	0.45	1.15							1250	Unknown		
3002	MELO-CORR	YES	10147.19		11.78	27.92	39.7	2840	Valve	10147.19	Valve	55848.73	36	0.312	52	0.16	0.05	1.14	0.28	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3003	MELO-CORR	YES	10147.69		12.28	27.42	39.7	2840	Valve	10147.69	Valve	55848.23	36	0.312	52	0.15	0.05	1.14	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3005	CLUSTER	YES	10148.83		13.42	26.28	39.7	2840	Valve	10148.83	Valve	55847.09	36	0.312	52	0.18	0.06	2.06	0.57	0.261806	335	1056	760	649	0.44	1.17							1250	Unknown		
3007	MELO-CORR	YES	10151.07		15.66	24.03	39.7	2840	Valve	10151.07	Valve	55844.85	36	0.312	52	0.19	0.06	1.14	0.20	6:05	335	1067	769	649	0.44	1.18							1598	Metal Loss		
3009	CLUSTER	YES	10153.26		17.85	21.85	39.7	2840	Valve	10153.26	Valve	55842.66	36	0.312	52	0.19	0.06	9.04	2.42	6:26	335	968	697

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
3089	CLUSTER	YES	10187.88		12.77	23.6	36.37	2850	Valve	10187.88	Valve	55808.04	36	0.312	52	0.15	0.05	4.74	1.64	6:13	335	1025	738	649	0.45	1.14							1250	Unknown		
3092	CLUSTER	YES	10189.3		14.19	22.18	36.37	2850	Valve	10189.3	Valve	55806.62	36	0.312	52	0.18	0.06	3.18	1.35	5:42	335	1037	747	649	0.45	1.15							1250	Unknown		
3094	MELO-CORR	YES	10190.87		15.76	20.61	36.37	2850	Valve	10190.87	Valve	55805.05	36	0.312	52	0.21	0.07	1.18	0.20	0.300694	335	1066	768	649	0.44	1.18							1598	Metal Loss		
3096	CLUSTER	YES	10194.89		19.78	16.59	36.37	2850	Valve	10194.89	Valve	55801.03	36	0.312	52	0.15	0.05	2.72	1.04	0.307639	335	1050	756	649	0.44	1.16							1250	Unknown		
3098	MELO-CORR	YES	10195.24		20.13	16.24	36.37	2850	Valve	10195.24	Valve	55800.68	36	0.312	52	0.17	0.05	1.14	0.20	0.270139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3100	CLUSTER	YES	10195.47		20.36	16.01	36.37	2850	Valve	10195.47	Valve	55800.45	36	0.312	52	0.29	0.09	2.80	0.50	7:22	335	1020	734	649	0.46	1.16							1250	Unknown		
3103	CLUSTER	YES	10195.93		20.82	15.55	36.37	2850	Valve	10195.93	Valve	55799.99	36	0.312	52	0.26	0.08	5.62	3.08	5:39	335	966	696	649	0.48	1.12							1250	Unknown		
3107	MELO-CORR	YES	10199.22		24.11	12.26	36.37	2850	Valve	10199.22	Valve	55796.7	36	0.312	52	0.16	0.05	1.10	0.16	0.197917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3108	MELO-CORR	YES	10199.31		24.2	12.17	36.37	2850	Valve	10199.31	Valve	55796.61	36	0.312	52	0.18	0.06	1.18	0.20	0.313889	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3110	CLUSTER	YES	10206.51		31.4	4.97	36.37	2850	Valve	10206.51	Valve	55789.4	36	0.312	52	0.16	0.05	9.52	1.70	0.240972	335	984	708	649	0.47	1.11							1250	Unknown		
3116	CLUSTER	YES	10207.89		32.78	3.59	36.37	2850	Valve	10207.89	Valve	55788.03	36	0.312	52	0.15	0.05	7.32	1.04	5:51	335	1002	722	649	0.46	1.12							1250	Unknown		
3121	MELO-CORR	YES	10210.46		35.35	1.02	36.37	2850	Valve	10210.46	Valve	55785.46	36	0.312	52	0.16	0.05	1.22	0.20	7:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3122	GirthWeld		10211.48		36.37	39.31	39.31	2860	Valve	10211.48	Valve	55784.44	36	0.312	52					0.469444	335			649									1250	Unknown		
3124	CLUSTER	YES	10244.95		33.47	5.84	39.31	2860	Valve	10244.95	Valve	55750.97	36	0.312	52	0.15	0.05	15.84	4.56	0.247222	335	972	700	649	0.48	1.09							1250	Unknown		
3130	GirthWeld		10250.79		39.31	39.42	39.42	2870	Valve	10250.79	Valve	55745.13	36	0.312	52					0.538889	335			649									1250	Unknown		
3131	GirthWeld		10290.21		39.42	37.59	37.59	2880	Valve	10290.21	Valve	55705.71	36	0.312	52					10:52	335			649									1250	Unknown		
3133	CLUSTER	YES	10290.42		0.21	37.38	37.59	2880	Valve	10290.42	Valve	55705.5	36	0.312	52	0.21	0.07	3.77	1.23	5:59	335	1019	733	649	0.46	1.14							1250	Unknown		
3136	GirthWeld		10327.8		37.59	35.38	35.38	2890	Valve	10327.8	Valve	55668.12	36	0.312	52					0.529167	335			649									1250	Unknown		
3137	GirthWeld		10363.18		35.38	39.82	39.82	2900	Valve	10363.18	Valve	55632.74	36	0.312	52					0.479861	335			649									1250	Unknown		
3138	MELO-CORR	YES	10396.8		33.62	6.21	39.82	2900	Valve	10396.8	Valve	55599.12	36	0.312	52	0.15	0.05	1.18	0.16	0.232639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3139	GirthWeld		10403		39.82	39.81	39.8	2910	Valve	10403	Valve	55592.92	36	0.312	52					12:42	335			649									1250	Unknown		
3140	MELO-CORR	YES	10404.52		1.52	38.29	39.8	2910	Valve	10404.52	Valve	55591.4	36	0.312	52	0.16	0.05	1.14	0.39	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3141	MELO-CORR	YES	10404.81		1.81	38	39.8	2910	Valve	10404.81	Valve	55591.11	36	0.312	52	0.17	0.05	1.18	0.24	0.240278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3142	MELO-CORR	YES	10405.31		2.31	37.5	39.8	2910	Valve	10405.31	Valve	55590.61	36	0.312	52	0.16	0.05	1.14	0.16	0.260417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3143	MELO-CORR	YES	10406.27		3.27	36.54	39.8	2910	Valve	10406.27	Valve	55589.65	36	0.312	52	0.16	0.05	1.18	0.20	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3144	MELO-CORR	YES	10409.09		6.09	33.72	39.8	2910	Valve	10409.09	Valve	55586.83	36	0.312	52	0.15	0.05	1.14	0.24	5:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3146	CLUSTER	YES	10409.35		6.35	33.45	39.8	2910	Valve	10409.35	Valve	55586.57	36	0.312	52	0.16	0.05	5.32	0.28	5:48	335	1015	731	649	0.46	1.13							1250	Unknown		
3148	MELO-CORR	YES	10411.03		8.03	31.78	39.8	2910	Valve	10411.03	Valve	55584.89	36	0.312	52	0.15	0.05	1.14	0.16	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3150	CLUSTER	YES	10411.26		8.26	31.54	39.8	2910	Valve	10411.26	Valve	55584.65	36	0.312	52	0.34	0.11	1.85	0.32	0.241667	335	1039	748	649	0.45	1.17							1250	Unknown		
3152	MELO-CORR	YES	10412.99		9.99	29.82	39.8	2910	Valve	10412.99	Valve	55582.93	36	0.312	52	0.15	0.05	1.18	0.20	0.240278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3154	CLUSTER	YES	10418.42		15.42	24.39	39.8	2910	Valve	10418.42	Valve	55577.5	36	0.312	52	0.15	0.05	4.46	0.44	5:47	335	1028	740	649	0.45	1.14							1250	Unknown		
3157	CLUSTER	YES	10420.47		17.47	22.33	39.8	2910	Valve	10420.47	Valve	55575.45	36	0.312	52	0.16	0.05	3.26	0.60	6:09	335	1041	749	649	0.45	1.16							1250	Unknown		
3159	MELO-CORR	YES	10421.16		18.16	21.65	39.8	2910	Valve	10421.16	Valve	55574.76	36	0.312	52	0.21	0.07	1.14	0.20	0.261111	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3161	CLUSTER	YES	10421.42		18.42	21.38	39.8	2910	Valve	10421.42	Valve	55574.49	36	0.312	52	0.28	0.09	5.14	0.94	0.242361	335	966	695	649	0.48	1.13							1250	Unknown		
3163	MELO-CORR	YES	10426		23	16.8	39.8	2910	Valve	10426	Valve	55569.92	36	0.312	52	0.18	0.06	1.18	0.16	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3164	MELO-CORR	YES	10426.51		23.51	16.3	39.8	2910	Valve	10426.51	Valve	55569.41	36	0.312	52	0.15	0.05	0.98	0.16	5:36	335	1071	771	649	0.43	1.19							1598	Metal Loss		
3166	CLUSTER	YES	10428.48		25.48	14.33	39.8	2910	Valve	10428.48	Valve	55567.44	36	0.312	52	0.15	0.05	3.60	0.41	5:47	335	1039	748	649	0.45	1.16							1250	Unknown		
3168	MELO-CORR	YES	10430.09		27.09	12.72	39.8	2910	Valve	10430.09	Valve	55565.83	36	0.312	52	0.15	0.05	0.94	0.51	0.227778	335	1071	771	649	0.43	1.19							1598	Metal Loss		
3169	MELO-CORR	YES	10430.98		27.98	11.83	39.8	2910	Valve	10430.98	Valve	55564.94	36	0.312	52	0.15	0.05	1.10	0.20	0.259722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3171	CLUSTER	YES	10431.11		28.1	11.7	39.8	2910	Valve	10431.11	Valve	55564.82	36	0.312	52	0.2	0.06	4.14	0.66	0.236806	335	1016	731	649	0.46	1.14							1250	Unknown		
3174	MELO-CORR	YES	10432.49		29.49	10.32	39.8	2910	Valve	10432.49	Valve	55563.43	36	0.312	52	0.16	0.05	1.10	0.16	5:47	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3176	CLUSTER	YES	10434.57		31.57	8.24	39.8	2910	Valve	10434.57	Valve	55561.35	36	0.312	52	0.17	0.05	8.60	1.13	5:43	335	983	708	649	0.47	1.11							1250	Unknown		
3182	CLUSTER	YES	10438.05		35.05	4.75	39.8	2910	Valve	10438.05	Valve	55557.87	36	0.312	52	0.16	0.05	1.51	1.10	0.2375	335	1065	767	649	0.44	1.18							1250	Unknown		
3184	MELO-CORR	YES	10439.43		36.43	3.37	39.8	2910	Valve	10439.43	Valve	55556.49	36	0.312	52	0.18	0.06	1.22	0.24	0.303472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3185	GirthWeld		10442.81		39.81	38.31	38.31	2920	Valve	10442.81	Valve	55553.11	36	0.438	52					0.453472	335			911									1250	Unknown		
3186	MELO-CORR	YES	10459.03		16.22	22.09	38.31	2920	Valve	10459.03	Valve	55536.89	36	0.438	52	0.16	0.07	1.10	0.24	6:12	335	1503	1082	911	0.31	1.19							1598	Metal Loss		
3187	MELO-CORR	YES	10469.55		26.74	11.57	38.31	2920	Valve	10469.55	Valve	55526.37	36	0.438	52	0.15	0.07	1.10	0.20	6:15	335	1504	1083	911	0.31	1.19							1598	Metal Loss		
3189	CLUSTER	YES	10471.51		28.7	9.61	38.31	2920	Valve	10471.51	Valve	55524.41	36	0.438	52	0.15	0.07	2.29	0.69	0.257639	335	1489	1072	911	0.31	1.18							1250	Unknown		
3191	MELO-CORR	YES	10475.86		33.05	5.25	38.31	2920	Valve	10475.86	Valve	55520.06	36	0.438	52	0.17	0.07	1.10	0.20	0.245139	335	1503	1082	911	0.31	1.19							1598	Metal Loss		
3192	MELO-CORR	YES	10476.86		34.05	4.26	38.31	2920	Valve	10476.86	Valve	55519.06	36	0.438	52	0.16	0.07	1.10	0.16	0.24375	335	1503	1082	911	0.31	1.19							1598	Metal Loss		
3193	GirthWeld		10481.12		38.31	39.72	39.73	2930	Valve	10481.12	Valve	55514.8	36	0.438	52					1:05	335			911									1250	Unknown		
3194	MELO-CORR	YES	10483.4		2.28	37.44	39.73	2930	Valve	10483.4	Valve	55512.52	36	0.438	52	0.2	0.09	1.14	0.20	5:50	335	1501	1081	911	0.31	1.19							1598	Metal Loss		
3196	CLUSTER	YES	10495.79		14.67	25.05	39.73	2930	Valve	10495.79	Valve	55500.13	36	0.438	52	0.18	0.08	9.92	1.70	0.243056	335	1374	989	911	0.34	1.11							1250	Unknown		
3203	CLUSTER	YES	10497.24		16.12	23.6	39.73	2930	Valve	10497.24	Valve	55498.68	36	0.438	52	0.19	0.08	7.24	3.46	0.245833	335	1394	1004	911	0.33	1.13							1250	Unknown		
3209	GirthWeld		10520.84		39.72	38.1	38.1	2940	Valve	10520.84	Valve	55475.07	36	0.438	52					0.476389	335			911									1250	Unknown		
3210	GirthWeld		10558.94		38.1	39.67	39.67	2950	Valve	10558.94	Valve	55436.98	36	0.438	52					1:10	335			911									1250	Unknown		
3211	GirthWeld		10598.61		39.67	38.4	38.4	2960	Valve	10598.61	Valve	55397.31	36	0.438	52					10:58	335			911									1250	Unknown		
3212	GirthWeld		10637.01		38.4	39.8	39.8	2970	Valve	10637.01	Valve	55358.91	36	0.438	52					0.075694	335			911									1250	Unknown		
3213	GirthWeld		10676.81		39.8	39.82	39.82	2980	Valve	10676.81	Valve	55319.11	36	0.438	52					0.495833	335			911									1250	Unknown		
3214	GirthWeld		10716.63		39.82	39.78	39.77	2990	Valve	10716.63	Valve	55279.29	36	0.438	52					0.458333	335			911									1250	Unknown		
3215	GirthWeld		10756.41		39.78	39.62	39.62	3000	Valve	10756.41	Valve	55239.51	36	0.312	52					1:04	335			649									1250	Unknown		
3217	CLUSTER	YES	10786.22		29.81	9.8	39.62	3000	Valve	10786.22	Valve	55209.7	36	0.312	52	0.2	0.06	2.88	0.50	5:53	335	1038	747	649	0.45	1.16							1250	Unknown		
3220	CLUSTER	YES	10793.01		36.6	3.01	39.62	3000	Valve	10793.01	Valve	55202.91	36	0.312	52	0.16	0.05	3.71	1.23	0.253472	335	1035	745	649	0.45	1.15							1250	Unknown		
3223	CLUSTER	YES	10793.45		37.04	2.57	39.62	3000	Valve	10793.45	Valve	55202.47	36	0.312	52	0.15	0.05	2.33	0.60	0.253472	335	1056	760	649	0.44	1.17							1250	Unknown		
3225	GirthWeld		10796.03		39.61	39.8	39.79	3010	Valve	10796.03	Valve	55199.89	36	0.312	52					0.438889	335			649									1250	Unknown		
3227	CLUSTER	YES	10796.56		0.53	39.25	39.79	3010	Valve	10796.56	Valve	55199.36	36	0.312	52	0.15	0.05	15.22	3.33	5:47	335	973	700	649	0.48	1.09							1250	Unknown		
3228	LWFE-MIFE	n/a	10796.61		0.58	39.2	39.79	3010	Valve	10796.61	Valve	55199.31	36	0.312	52	0.26	0.08	3.50	0.28	10:34	335			649									3421	Mill Wall Thinning		
3238	MELO-CORR	YES	10804.2		8.17	31.62	39.79	3010	Valve	10804.2	Valve	55191.72	36	0.312	52	0.15	0.05	1.10	0.20	0.254167	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3240	CLUSTER	YES	10809.55		13.52	26.27	39.79	3010	Valve	10809.55	Valve	55186.37	36	0.312	52	0.15	0.05	14.17	1.38	0.252778	335	975	702	649	0.48	1.09							1250	Unknown		
3247	MELO-CORR	YES	10819.77		23.74	16.05	39.79	3010	Valve	10819.77	Valve	55176.15	36	0.312	52	0.16	0.05	1.18	0.24	0.229861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3248	MELO-CORR	YES	10820.09		24.06	15.73	39.79	3010	Valve	10820.09	Valve	55175.83	36	0.312	52	0.17	0.05	1.14	0.16	6:07	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3250	CLUSTER	YES	10821.82		25.79	13.99	39.79	3010	Valve	10821.82	Valve	55174.1	36	0.312	52	0.15	0.05	2.69	0.38	6:04	335	1051	757	649	0.44	1.17							1250	Unknown		
3253	CLUSTER	YES	10833.94		37.91	1.88	39.79	3010	Valve	10833.94	Valve	55161.98	36	0.312	52	0.18	0.06	1.81	0.41	0.177778	335	1059	763	649	0.44	1.18							1250	Unknown		
3255	GirthWeld		10835.82		39.78	39.73	39.73	3020	Valve	10835.82	Valve	55160.1	36	0.312	52					0.053472	335			649									1250	Unknown		
3257	CLUSTER	YES	10837.27		1.45	38.28	39.74	3020	Valve	10837.27	Valve	55158.65	36	0.312	52	0.18	0.06	7.36	1.98	0.245139	335	986	710	649	0.47	1.11							1250	Unknown		
3260	MELO-CORR	YES	10841.05		5.23	34.5	39.74	3020	Valve	10841.05	Valve	55154.87	36	0.312	52	0.17	0.05	1.10	0.20	7:54	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3262	CLUSTER	YES	10843.13		7.31	32.42	39.74	3020	Valve	10843.13	Valve	55152.79	36	0.312	52	0.17	0.05	21.24	4.75	5:44	335	950	684	649	0.49	1.08							1250	Unknown		
3270	MELO-CORR	YES	10844.7		8.88	30.85	39.74	3020	Valve	10844.7	Valve	55151.22	36	0.312	52	0.2	0.06	1.10	0.20	0.31875	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3273	CLUSTER	YES	10845.09		9.27	30.46	39.74	3020	Valve	10845.09	Valve	55150.83	36	0.312	52	0.19	0.06	19.13	3.49	0.243056	335	937	675	649	0.50	1.06							1250	Unknown		
3294	CLUSTER	YES	10846.7		10.88	28.86	39.74	3020	Valve	10846.7	Valve	55149.22	36	0.312	52	0.22	0.07	4.07	1.07	0.31875	335	1010	727	649	0.46	1.14							1250	Unknown		
3297	MELO-CORR	YES	10850.14		14.32	25.41	39.74	3020	Valve	10850.14	Valve	55145.78	36	0.312	52	0.18	0.06	1.14	0.20	4:15	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3299	CLUSTER	YES	10850.58		14.76	24.97	39.74	3020	Valve	10850.58	Valve	55145.34	36	0.312	52	0.24	0.08	1.87	0.32	7:50	335	1051	757	649	0.44	1.17							1250	Unknown		
3302	CLUSTER	YES	10852.38		16.56	23.17	39.74	3020	Valve	10852.38	Valve	55143.54	36	0.312	52	0.17	0.05	3.89	1.16	0.253472	335	1029	741	649	0.45	1.15							1250	Unknown		
3306	MELO-CORR	YES	10852.9		17.08	22.66	39.74	3020	Valve	10852.9	Valve	55143.02	36	0.312	52	0.17	0.05	1.18	0.16	0.253472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3308	CLUSTER	YES	10853.92		18.1	21.63	39.74	3020	Valve	10853.92	Valve	55142	36	0.312	52	0.15	0.05	6.77	3.30	0.244444	335	1006	724	649	0.46	1.12							1250	Unknown		
3314	CLUSTER	YES	10854.3		18.48	21.26	39.74	3020	Valve	10854.3	Valve	55141.63	36	0.312	52	0.15	0.05	1.85	0.57	4:07	335	1062	764	649	0.44	1.18							1250	Unknown		
3317	CLUSTER	YES	10854.66		18.84	20.9	39.74	3020	Valve	10854.66	Valve	55141.26	36	0.312	52	0.22	0.07	15.36	4.53	5:48	335	922	664	649	0.50	1.08							1250	Unknown		
3324	MELO-CORR	YES	10855.2		19.38	20.35	39.74	3020	Valve	10855.2	Valve	55140.72	36	0.312	52	0.15	0.05	1.10	0.16	0.322917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3331	CLUSTER	YES	10856.89		21.07	18.66	39.74	3020	Valve	10856.89	Valve	55139.03	36	0.312	52	0.2	0.06	15.29	3.87	0.240278	335	937	675	649	0.50	1.07							1250	Unknown		
3343	CLUSTER	YES	10858.26		22.44	17.29	39.74	3020	Valve	10858.26	Valve	55137.66	36	0.312	52	0.25	0.08	29.27	4.68	0.240278	335	879	633	649	0.53	1.07							1250	Unknown		
3368	CLUSTER	YES	10865.53		29.71	10.02	39.74	3020	Valve	10865.53	Valve	55130.39	36	0.312	52	0.29	0.09	20.69	1.86	6:01	335	857	617	649	0.54	1.06							1250	Unknown		
3380	CLUSTER	YES	10867.82		32	7.73	39.74	3020	Valve	10867.82	Valve	55128.1	36	0.312	52	0.22	0.07	22.97	3.05	5:50	335	909	655	649	0.51	1.07							1250	Unknown		
3396	CLUSTER	YES	10870.6		34.78	4.96	39.74	3020	Valve	10870.6	Valve	55125.32	36	0.312	52	0.17	0.05	5.39	0.50	0.322222	335	1010	727	649	0.46	1.13							1250	Unknown		
3399	CLUSTER	YES	10871.02		35.2	4.54	39.74	3020	Valve	10871.02	Valve	55124.9	36	0.312	52	0.17	0.05	3.52	1.54	0.249306	335	1035	745	649	0.45	1.16							1250	Unknown		
3401	MELO-CORR	YES	10872.9		37.08	2.65	39.74	3020	Valve	10872.9	Valve	55123.02	36	0.312	52	0.15	0.05	1.10	0.20	0.281944	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3402	MELO-CORR	YES	10874.27		38.45	1.28	39.74	3020	Valve	10874.27	Valve	55121.65	36	0.312	52	0.15	0.05	4.21	0.16	6:08	335	1031	742	649	0.45	1.14							1598	Metal Loss		
3403	GirthWeld		10875.55		39.73	39.7	39.69	3030	Valve	10875.55	Valve	55120.37	36	0.312	52					10:58	335			649									1250	Unknown		
3404	LWFE-MIFE	n/a	10876.27		0.72	38.98	39.69	3030	Valve	10876.27	Valve	55119.65	36	0.312	52	0.15	0.05	4.25	0.32	0.457639	335			649									3421	Mill Wall Thinning		
3406	CLUSTER	YES	10876.68		1.13	38.57	39.69	3030	Valve	10876.68	Valve	55119.24	36	0.312	52	0.3	0.09	18.14	3.71	0.238889	335	854	615	649	0.54	1.07						

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
3511	MELO-CORR	YES	10938.6		23.35	12.87	36.22	3040	Valve	10938.6	Valve	55057.32	36	0.312	52	0.15	0.05	1.14	0.16	5:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3512	MELO-CORR	YES	10939.43		24.18	12.05	36.22	3040	Valve	10939.43	Valve	55056.49	36	0.312	52	0.17	0.05	1.14	0.20	6:42	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3514	CLUSTER	YES	10943.28		28.03	8.19	36.22	3040	Valve	10943.28	Valve	55052.64	36	0.312	52	0.24	0.08	3.77	2.11	0.235417	335	1009	727	649	0.46	1.14							1250	Unknown		
3517	MELO-CORR	YES	10947.9		32.65	3.57	36.22	3040	Valve	10947.9	Valve	55048.02	36	0.312	52	0.15	0.05	1.22	0.47	0.256944	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3518	MELO-CORR	YES	10948.54		33.29	2.93	36.22	3040	Valve	10948.54	Valve	55047.38	36	0.312	52	0.21	0.07	1.10	0.20	0.286806	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3520	CLUSTER	YES	10950.87		35.62	0.6	36.22	3040	Valve	10950.87	Valve	55045.05	36	0.312	52	0.17	0.05	1.92	1.64	6:38	335	1059	762	649	0.44	1.18							1250	Unknown		
3522	GirthWeld		10951.47		36.22	38.98	38.98	3050	Valve	10951.47	Valve	55044.45	36	0.312	52					11:24	335			649									1250	Unknown		
3523	LWFE-MIFE	n/a	10952.21		0.74	38.24	38.98	3050	Valve	10952.21	Valve	55043.71	36	0.312	52	0.17	0.05	5.63	0.55	0.475	335			649									3421	Mill Wall Thinning		
3525	CLUSTER	YES	10960.12		8.65	30.33	38.98	3050	Valve	10960.12	Valve	55035.8	36	0.312	52	0.21	0.07	4.33	0.88	0.257639	335	1009	727	649	0.46	1.14							1250	Unknown		
3528	CLUSTER	YES	10961.89		10.42	28.56	38.98	3050	Valve	10961.89	Valve	55034.03	36	0.312	52	0.26	0.08	4.21	0.60	0.239583	335	993	715	649	0.47	1.14							1250	Unknown		
3530	GirthWeld		10990.45		38.98	34.34	34.34	3060	Valve	10990.45	Valve	55005.47	36	0.312	52					1:40	335			649									1250	Unknown		
3531	GirthWeld		11024.79		34.34	39.76	39.76	3070	Valve	11024.79	Valve	54971.13	36	0.312	52					11:35	335			649									1250	Unknown		
3532	GirthWeld		11064.55		39.76	39.76	39.76	3080	Valve	11064.55	Valve	54931.37	36	0.312	52					0.061111	335			649									1250	Unknown		
3533	GirthWeld		11104.31		39.76	39.78	39.78	3090	Valve	11104.31	Valve	54891.61	36	0.312	52					0.404167	335			649									1250	Unknown		
3534	GirthWeld		11144.09		39.78	38.31	38.31	3100	Valve	11144.09	Valve	54851.83	36	0.312	52					0.047222	335			649									1250	Unknown		
3535	GirthWeld		11182.4		38.31	39.72	39.72	3110	Valve	11182.4	Valve	54813.52	36	0.312	52					11:23	335			649									1250	Unknown		
3536	GirthWeld		11222.12		39.72	39.7	39.7	3120	Valve	11222.12	Valve	54773.81	36	0.312	52					1:28	335			649									1250	Unknown		
3537	GirthWeld		11261.82		39.7	39.75	39.75	3130	Valve	11261.82	Valve	54734.1	36	0.312	52					0.460417	335			649									1250	Unknown		
3538	GirthWeld		11301.57		39.75	39.75	39.75	3140	Valve	11301.57	Valve	54694.35	36	0.312	52					0.065278	335			649									1250	Unknown		
3539	MELO-CORR	YES	11314.21		12.64	27.11	39.75	3140	Valve	11314.21	Valve	54681.71	36	0.312	52	0.16	0.05	1.10	0.20	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3540	MELO-CORR	YES	11320.79		19.22	20.53	39.75	3140	Valve	11320.79	Valve	54675.13	36	0.312	52	0.15	0.05	1.10	0.24	5:50	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3541	GirthWeld		11341.32		39.75	39.58	39.58	3150	Valve	11341.32	Valve	54654.6	36	0.312	52					10:19	335			649									1250	Unknown		
3542	MELO-CORR	YES	11365.99		24.67	14.91	39.58	3150	Valve	11365.99	Valve	54629.93	36	0.312	52	0.15	0.05	1.18	0.39	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3543	GirthWeld		11380.9		39.58	35.67	35.67	3160	Valve	11380.9	Valve	54615.02	36	0.312	52					0.044444	335			649									1250	Unknown		
3544	GirthWeld		11416.57		35.67	36.13	36.13	3170	Valve	11416.57	Valve	54579.35	36	0.312	52					0.459722	335			649									1250	Unknown		
3545	GirthWeld		11452.7		36.13	39.8	39.8	3180	Valve	11452.7	Valve	54543.22	36	0.312	52					1:42	335			649									1250	Unknown		
3546	GirthWeld		11492.5		39.8	39.87	39.86	3190	Valve	11492.5	Valve	54503.42	36	0.312	52					11:02	335			649									1250	Unknown		
3547	MELO-CORR	YES	11508.53		16.03	23.84	39.86	3190	Valve	11508.53	Valve	54487.39	36	0.312	52	0.15	0.05	1.10	0.16	0.25625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3548	GirthWeld		11532.37		39.87	39.76	39.77	3200	Valve	11532.37	Valve	54463.55	36	0.312	52					0.077778	335			649									1250	Unknown		
3549	GirthWeld		11572.13		39.76	39.71	39.7	3210	Valve	11572.13	Valve	54423.79	36	0.312	52					0.451389	335			649									1250	Unknown		
3551	CLUSTER	YES	11599.31		27.18	12.52	39.7	3210	Valve	11599.31	Valve	54396.61	36	0.312	52	0.15	0.05	2.81	0.69	6:00	335	1049	756	649	0.44	1.17							1250	Unknown		
3553	GirthWeld		11611.84		39.71	39.77	39.78	3220	Valve	11611.84	Valve	54384.08	36	0.312	52					1:02	335			649									1250	Unknown		
3554	MELO-CORR	YES	11626.43		14.59	25.19	39.78	3220	Valve	11626.43	Valve	54369.49	36	0.312	52	0.16	0.05	1.10	0.16	0.248611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3555	GirthWeld		11651.61		39.77	39.68	39.68	3230	Valve	11651.61	Valve	54344.31	36	0.312	52					0.447917	335			649									1250	Unknown		
3556	GirthWeld		11691.29		39.68	39.86	39.86	3240	Valve	11691.29	Valve	54304.63	36	0.312	52					0.075694	335			649									1250	Unknown		
3557	GirthWeld		11731.15		39.86	39.69	39.69	3250	Valve	11731.15	Valve	54264.77	36	0.312	52					10:42	335			649									1250	Unknown		
3558	GirthWeld		11770.84		39.69	39.36	39.37	3260	Valve	11770.84	Valve	54225.07	36	0.312	52					2:50	335			649									1250	Unknown		
3559	GirthWeld		11810.21		39.37	39.18	39.18	3270	Valve	11810.21	Valve	54185.71	36	0.312	52					0.476389	335			649									1250	Unknown		
3560	GirthWeld		11849.39		39.18	39.8	39.8	3280	Valve	11849.39	Valve	54146.53	36	0.312	52					0.056944	335			649									1250	Unknown		
3561	GirthWeld		11889.19		39.8	39.75	39.75	3290	Valve	11889.19	Valve	54106.73	36	0.312	52					0.488889	335			649									1250	Unknown		
3562	MELO-CORR	YES	11891.77		2.58	37.17	39.75	3290	Valve	11891.77	Valve	54104.15	36	0.312	52	0.16	0.05	1.18	0.20	5:59	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3564	CLUSTER	YES	11898.28		9.09	30.66	39.75	3290	Valve	11898.28	Valve	54097.64	36	0.312	52	0.18	0.06	1.16	0.35	6:20	335	1068	769	649	0.44	1.18							1250	Unknown		
3566	MELO-CORR	YES	11909.94		20.75	19	39.75	3290	Valve	11909.94	Valve	54085.98	36	0.312	52	0.16	0.05	1.18	0.20	0.222917	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3567	MELO-CORR	YES	11912.61		23.42	16.33	39.75	3290	Valve	11912.61	Valve	54083.31	36	0.312	52	0.16	0.05	1.10	0.20	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3568	MELO-CORR	YES	11917.13		27.94	11.81	39.75	3290	Valve	11917.13	Valve	54078.79	36	0.312	52	0.15	0.05	1.14	0.16	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3570	CLUSTER	YES	11919.15		29.96	9.79	39.75	3290	Valve	11919.15	Valve	54076.77	36	0.312	52	0.17	0.05	1.24	2.11	5:57	335	1068	769	649	0.44	1.18							1250	Unknown		
3572	MELO-CORR	YES	11924.03		34.84	4.91	39.75	3290	Valve	11924.03	Valve	54071.89	36	0.312	52	0.16	0.05	1.10	0.16	5:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3573	GirthWeld		11928.94		39.75	38.67	38.67	3300	Valve	11928.94	Valve	54066.98	36	0.312	52					0.081944	335			649									1250	Unknown		
3574	MELO-CORR	YES	11930.56		1.62	37.05	38.67	3300	Valve	11930.56	Valve	54065.36	36	0.312	52	0.15	0.05	1.10	0.16	0.247917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3576	CLUSTER	YES	11931.86		2.92	35.75	38.67	3300	Valve	11931.86	Valve	54064.06	36	0.312	52	0.16	0.05	3.94	0.66	0.248611	335	1031	743	649	0.45	1.15							1250	Unknown		
3579	MELO-CORR	YES	11942.63		13.68	24.98	38.67	3300	Valve	11942.63	Valve	54053.29	36	0.312	52	0.17	0.05	1.18	0.20	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3579	MELO-CORR	YES	11946.74		17.8	20.86	38.67	3300	Valve	11946.74	Valve	54049.18	36	0.312	52	0.17	0.05	1.10	0.20	5:56	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3581	CLUSTER	YES	11958.77		29.83	8.84	38.67	3300	Valve	11958.77	Valve	54037.15	36	0.312	52	0.17	0.05	11.11	2.77	0.245139	335	971	699	649	0.48	1.10							1250	Unknown		
3587	MELO-CORR	YES	11960.11		31.17	7.49	38.67	3300	Valve	11960.11	Valve	54035.81	36	0.312	52	0.21	0.07	1.18	0.16	0.247917	335	1066	768	649	0.44	1.18							1598	Metal Loss		
3588	MELO-CORR	YES	11961.62		32.68	5.99	38.67	3300	Valve	11961.62	Valve	54034.3	36	0.312	52	0.15	0.05	1.10	0.20	0.160417	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3589	GirthWeld		11967.61		38.67	39.79	39.8	3310	Valve	11967.61	Valve	54028.31	36	0.312	52					10:03	335			649									1250	Unknown		
3591	CLUSTER	YES	11970.01		2.4	37.39	39.8	3310	Valve	11970.01	Valve	54025.91	36	0.312	52	0.15	0.05	7.07	2.04	5:49	335	1004	723	649	0.46	1.12							1250	Unknown		
3596	CLUSTER	YES	11970.86		3.24	36.55	39.8	3310	Valve	11970.86	Valve	54025.07	36	0.312	52	0.17	0.05	1.87	0.44	0.250694	335	1059	763	649	0.44	1.17							1250	Unknown		
3598	MELO-CORR	YES	11973.32		5.7	34.09	39.8	3310	Valve	11973.32	Valve	54022.6	36	0.312	52	0.16	0.05	1.10	0.20	0.248611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3599	MELO-CORR	YES	11980.33		12.72	27.08	39.8	3310	Valve	11980.33	Valve	54015.59	36	0.312	52	0.18	0.06	1.10	0.20	0:2	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3600	MELO-CORR	YES	11982.84		15.23	24.57	39.8	3310	Valve	11982.84	Valve	54013.08	36	0.312	52	0.18	0.06	1.18	0.16	5:10	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3601	MELO-CORR	YES	11984.12		16.51	23.28	39.8	3310	Valve	11984.12	Valve	54011.8	36	0.312	52	0.17	0.05	1.14	0.24	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3602	MELO-CORR	YES	11987.83		20.22	19.58	39.8	3310	Valve	11987.83	Valve	54008.09	36	0.312	52	0.15	0.05	1.10	0.28	0.247222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3604	CLUSTER	YES	11989.36		21.74	18.05	39.8	3310	Valve	11989.36	Valve	54006.57	36	0.312	52	0.16	0.05	18.70	3.05	0.24375	335	960	691	649	0.48	1.08							1250	Unknown		
3617	MELO-CORR	YES	12000.3		32.69	7.11	39.8	3310	Valve	12000.3	Valve	53995.62	36	0.312	52	0.16	0.05	1.18	0.16	0.245833	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3618	MELO-CORR	YES	12001.57		33.96	5.84	39.8	3310	Valve	12001.57	Valve	53994.35	36	0.312	52	0.15	0.05	1.18	0.20	4:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3620	CLUSTER	YES	12005.92		38.31	1.48	39.8	3310	Valve	12005.92	Valve	53990	36	0.312	52	0.16	0.05	9.78	1.35	6:20	335	983	708	649	0.47	1.09							1250	Unknown		
3626	GirthWeld		12007.4		39.79	39.72	39.72	3320	Valve	12007.4	Valve	53988.52	36	0.312	52					0.065972	335			649									1250	Unknown		
3628	CLUSTER	YES	12008.27		0.87	38.86	39.72	3320	Valve	12008.27	Valve	53987.65	36	0.312	52	0.15	0.05	11.54	1.86	0.227083	335	982	707	649	0.47	1.10							1250	Unknown		
3634	MELO-CORR	YES	12015.48		8.08	31.65	39.72	3320	Valve	12015.48	Valve	53980.44	36	0.312	52	0.15	0.05	1.22	0.20	0.249306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
3636	CLUSTER	YES	12015.61		8.21	31.51	39.72	3320	Valve	12015.61	Valve	53980.31	36	0.312	52	0.16	0.05	1.58	0.60	6:32	335	1064	766	649	0.44	1.18							1250	Unknown		
3639	CLUSTER	YES	12018.59		11.19	28.54	39.72	3320	Valve	12018.59	Valve	53977.33	36	0.312	52	0.21	0.07	17.48	1.86	5:16	335	925	666	649	0.50	1.09							1250	Unknown		
3642	MELO-CORR	YES	12019		11.6	28.13	39.72	3320	Valve	12019	Valve	53976.92	36	0.312	52	0.15	0.05	1.14	0.20	0.182639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3651	CLUSTER	YES	12020.76		13.36	26.36	39.72	3320	Valve	12020.76	Valve	53975.16	36	0.312	52	0.15	0.05	8.15	1.54	0.274306	335	997	718	649	0.47	1.12							1250	Unknown		
3656	CLUSTER	YES	12022.91		15.51	24.22	39.72	3320	Valve	12022.91	Valve	53973.01	36	0.312	52	0.21	0.07	45.96	6.66	0.234722	335	900	648	649	0.52	1.06							1250	Unknown		
3680	CLUSTER	YES	12024.96		17.56	22.17	39.72	3320	Valve	12024.96	Valve	53970.96	36	0.312	52	0.16	0.05	9.32	2.55	6:17	335	985	709	649	0.47	1.11							1250	Unknown		
3699	CLUSTER	YES	12026.9		19.5	20.23	39.72	3320	Valve	12026.9	Valve	53969.02	36	0.312	52	0.15	0.05	11.80	5.78	5:41	335	981	706	649	0.47	1.10							1250	Unknown		
3712	CLUSTER	YES	12029.14		21.74	17.99	39.72	3320	Valve	12029.14	Valve	53966.78	36	0.312	52	0.19	0.06	9.12	1.16	0.258333	335	968	697	649	0.48	1.10							1250	Unknown		
3717	CLUSTER	YES	12030.1		22.7	17.02	39.72	3320	Valve	12030.1	Valve	53965.82	36	0.312	52	0.21	0.07	55.63	6.94	0.2375	335	896	645	649	0.52	1.06							1250	Unknown		
3754	CLUSTER	YES	12034.91		27.51	12.21	39.72	3320	Valve	12034.91	Valve	53961.01	36	0.312	52	0.19	0.06	28.08	3.68	0.252778	335	928	668	649	0.50	1.06							1250	Unknown		
3768	CLUSTER	YES	12040.23		32.83	6.9	39.72	3320	Valve	12040.23	Valve	53955.7	36	0.312	52	0.17	0.05	18.97	2.52	6:11	335	952	686	649	0.49	1.08							1250	Unknown		
3776	GirthWeld		12047.12		39.72	39.43	39.43	3330	Valve	12047.12	Valve	53948.8	36	0.312	52					10:48	335			649									1250	Unknown		
3778	CLUSTER	YES	12054.08		6.96	32.47	39.43	3330	Valve	12054.08	Valve	53941.84	36	0.312	52	0.17	0.05	3.40	1.89	0.258333	335	1036	746	649	0.45	1.16							1250	Unknown		
3781	MELO-CORR	YES	12072.31		25.18	14.24	39.43	3330	Valve	12072.31	Valve	53923.61	36	0.312	52	0.15	0.05	1.14	0.20	0.327083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3783	CLUSTER	YES	12082.08		34.96	4.47	39.43	3330	Valve	12082.08	Valve	53913.84	36	0.312	52	0.18	0.06	8.87	1.23	0.257639	335	976	702	649	0.48	1.11							1250	Unknown		
3789	GirthWeld		12086.55		39.43	39.74	39.74	3340	Valve	12086.55	Valve	53909.37	36	0.312	52					2:14	335			649									1250	Unknown		
3790	MELO-CORR	YES	12107.87		21.32	18.42	39.74	3340	Valve	12107.87	Valve	53888.05	36	0.312	52	0.18	0.06	1.22	0.20	6:12	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3792	CLUSTER	YES	12118.58		32.03	7.72	39.74	3340	Valve	12118.58	Valve	53877.34	36	0.312	52	0.16	0.05	11.00	3.36	0.244444	335	977	704	649	0.48	1.09							1250	Unknown		
3799	CLUSTER	YES	12119.44		32.89	6.85	39.74	3340	Valve	12119.44	Valve	53876.48	36	0.312	52	0.15	0.05	12.16	1.95	0.253472	335	980	706	649	0.47	1.10							1250	Unknown		
3806	CLUSTER	YES	12123.67		37.13	2.62	39.74	3340	Valve	12123.67	Valve	53872.24	36	0.312	52	0.18	0.06	19.49	3.11	0.24375	335	944	680	649	0.49	1.08							1250	Unknown		
3816	GirthWeld		12126.29		39.74	39.8	39.8	3350	Valve	12126.29	Valve	53869.63	36	0.312	52					10:26	335			649									1250	Unknown		
3818	CLUSTER	YES	12134.76		8.47	31.33	39.8	3350	Valve	12134.76	Valve	53861.16	36	0.312	52	0.15	0.05	7.74	4.05	5:49	335	999	720	649	0.47	1.12							1250	Unknown		
3825	GirthWeld		12166.09		39.8	39.52	39.52	3360	Valve	12166.09	Valve	53829.83	36	0.312	52					0.069444	335			649									1250	Unknown		
3826	MELO-CORR	YES	12174.52		8.43	31.08	39.52	3360	Valve	12174.52	Valve	53821.4	36	0.312	52	0.15	0.05	1.10	0.20	0.248611	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3827	GirthWeld		12205.61		39.51	39.8	39.79	3370	Valve	12205.61	Valve	53790.32	36	0.312	52					0.458333	335			649									1250	Unknown		
3828	GirthWeld		12245.4		39.79	39.79	39.79	3380	Valve	12245.4	Valve	53750.52	36	0.312	52					1:44	335			649									1250	Unknown		
3829	GirthWeld		12285.19		39.79	39.75	39.75	3390	Valve	12285.19	Valve	53710.73	36	0.312	52					11:06	335			649									1250	Unknown		
3830	MELO-CORR	YES	12289.96		4.76	34.99	39.75	3390	Valve	12289.96	Valve	53705.96	36	0.312	52	0.16	0.05	1.10	0.16	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3831	GirthWeld		12324.94		39.75	39.35	39.35	3400	Valve	12324.94	Valve	53670.98	36	0.312	52					0.065972	335			649									1250	Unknown		
3832	GirthWeld		12364.29		39.35	39.22	39.22	3410	Valve	12364.29	Valve	53631.63	36	0.312	52					0.445833	335			649									1250	Unknown		
3833	GirthWeld		12403.51		39.22	39.39	39.39	3420	Valve	12403.51	Valve	53592.41	36	0.312	52					1:00	335			649									1250	Unknown		
3834	MIFE	n/a	12404.26		0.75	38.64	39.39	3420	Valve	12404.26	Valve	53591.66	36	0.312	52					2:12	335			649									2167	Mill Anomaly		
3835	GirthWeld		12442.9		39.39	39.69	39.69	3430	Valve	12442.9	Valve	53553.02	36	0.312	52					0.445139	335			649									1250	Unknown		
3836	GirthWeld		12482.59		39.69	39.57	39.56	3440	Valve	12482.59	Valve	53513.33	36	0.312	52					0.093056	335			649									1250	Unknown		
3837	GirthWeld		12522.16		39.57	39.72	39.72	3450	Valve	12522.16	Valve	53473.76	36	0.312

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
3858	CLUSTER	YES	12638.15		36.47	2.6	39.07	3470	Valve	12638.15	Valve	53357.77	36	0.312	52	0.16	0.05	7.97	2.89	5:22	335	993	715	649	0.47	1.11							1250	Unknown		
3865	CLUSTER	YES	12639.27		37.59	1.49	39.07	3470	Valve	12639.27	Valve	53356.65	36	0.312	52	0.19	0.06	5.06	0.44	6:46	335	1005	724	649	0.46	1.14							1250	Unknown		
3867	GirthWeld		12640.75		39.07	39.8	39.8	3480	Valve	12640.75	Valve	53355.17	36	0.312	52					0.118056	335			649									1250	Unknown		
3868	MELO-CORR	YES	12640.99		0.24	39.56	39.8	3480	Valve	12640.99	Valve	53354.93	36	0.312	52	0.15	0.05	1.14	0.16	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3869	MELO-CORR	YES	12647.81		7.06	32.74	39.8	3480	Valve	12647.81	Valve	53348.11	36	0.312	52	0.17	0.05	1.10	0.20	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3870	MELO-CORR	YES	12649.91		9.16	30.65	39.8	3480	Valve	12649.91	Valve	53346.01	36	0.312	52	0.15	0.05	1.10	0.16	6:51	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3871	MELO-CORR	YES	12652.54		11.79	28.01	39.8	3480	Valve	12652.54	Valve	53343.38	36	0.312	52	0.15	0.05	1.10	0.16	4:50	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3872	MELO-CORR	YES	12654.26		13.51	26.3	39.8	3480	Valve	12654.26	Valve	53341.66	36	0.312	52	0.15	0.05	1.10	0.20	0.2875	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3874	CLUSTER	YES	12655.53		14.77	25.03	39.8	3480	Valve	12655.53	Valve	53340.39	36	0.312	52	0.15	0.05	2.66	1.45	0.275694	335	1051	757	649	0.44	1.17							1250	Unknown		
3876	MELO-CORR	YES	12657.25		16.5	23.3	39.8	3480	Valve	12657.25	Valve	53338.67	36	0.312	52	0.2	0.06	1.18	0.20	0.172222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3877	MELO-CORR	YES	12658.86		18.11	21.69	39.8	3480	Valve	12658.86	Valve	53337.06	36	0.312	52	0.17	0.05	1.18	0.20	5:35	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3878	MELO-CORR	YES	12658.92		18.17	21.63	39.8	3480	Valve	12658.92	Valve	53337	36	0.312	52	0.17	0.05	1.18	0.16	7:12	335	1068	769	649	0.44	1.19							1598	Metal Loss		
3879	MELO-CORR	YES	12659.08		18.33	21.48	39.8	3480	Valve	12659.08	Valve	53336.84	36	0.312	52	0.17	0.05	1.10	0.20	0.273611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3880	MELO-CORR	YES	12659.09		18.34	21.46	39.8	3480	Valve	12659.09	Valve	53336.82	36	0.312	52	0.17	0.05	1.22	0.20	0.203472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3881	MELO-CORR	YES	12660.62		19.87	19.93	39.8	3480	Valve	12660.62	Valve	53335.3	36	0.312	52	0.17	0.05	1.10	0.24	0.280556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3882	MELO-CORR	YES	12660.74		19.99	19.82	39.8	3480	Valve	12660.74	Valve	53335.18	36	0.312	52	0.18	0.06	1.22	0.20	8:16	335	1067	768	649	0.44	1.18							1598	Metal Loss		
3883	MELO-CORR	YES	12662.01		21.26	18.55	39.8	3480	Valve	12662.01	Valve	53333.91	36	0.312	52	0.15	0.05	1.18	0.24	6:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3884	MELO-CORR	YES	12662.75		22	17.81	39.8	3480	Valve	12662.75	Valve	53333.17	36	0.312	52	0.15	0.05	1.14	0.20	0.281944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3885	MELO-CORR	YES	12663.65		22.9	16.9	39.8	3480	Valve	12663.65	Valve	53332.27	36	0.312	52	0.15	0.05	1.10	0.20	0.169444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3886	MELO-CORR	YES	12664.17		23.42	16.39	39.8	3480	Valve	12664.17	Valve	53331.75	36	0.312	52	0.17	0.05	1.10	0.20	0.322222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
3888	CLUSTER	YES	12666.35		25.6	14.2	39.8	3480	Valve	12666.35	Valve	53329.57	36	0.312	52	0.23	0.07	12.72	5.34	5:51	335	924	665	649	0.50	1.08							1250	Unknown		
3900	CLUSTER	YES	12667.56		26.81	12.99	39.8	3480	Valve	12667.56	Valve	53328.36	36	0.312	52	0.3	0.09	36.74	6.25	5:49	335	830	598	649	0.56	1.02							1250	Unknown		
3933	CLUSTER	YES	12670.7		29.95	9.85	39.8	3480	Valve	12670.7	Valve	53325.22	36	0.312	52	0.2	0.06	11.14	4.15	0.243056	335	951	685	649	0.49	1.10							1250	Unknown		
3940	CLUSTER	YES	12673.44		32.69	7.12	39.8	3480	Valve	12673.44	Valve	53322.48	36	0.312	52	0.15	0.05	10.14	2.67	0.242361	335	987	711	649	0.47	1.11							1250	Unknown		
3945	MELO-CORR	YES	12676.4		35.65	4.16	39.8	3480	Valve	12676.4	Valve	53319.52	36	0.312	52	0.15	0.05	1.10	0.20	0.183333	335	1070	770	649	0.43	1.19							1598	Metal Loss		
3947	CLUSTER	YES	12676.42		35.67	4.14	39.8	3480	Valve	12676.42	Valve	53319.5	36	0.312	52	0.15	0.05	21.66	6.66	5:45	335	964	694	649	0.48	1.08							1250	Unknown		
3968	CLUSTER	YES	12678		37.25	2.56	39.8	3480	Valve	12678	Valve	53317.92	36	0.312	52	0.23	0.07	23.36	4.59	5:54	335	901	649	649	0.52	1.07							1250	Unknown		
3976	MELO-CORR	YES	12678.83		38.08	1.73	39.8	3480	Valve	12678.83	Valve	53317.1	36	0.312	52	0.19	0.06	1.14	0.16	0.178472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
3984	GirthWeld		12680.55		39.8	33.71	33.71	3490	Valve	12680.55	Valve	53315.37	36	0.312	52					0.461806	335			649									1250	Unknown		
3986	CLUSTER	YES	12680.81		0.26	33.45	33.71	3490	Valve	12680.81	Valve	53315.11	36	0.312	52	0.28	0.09	15.49	5.75	0.241667	335	877	632	649	0.53	1.07							1250	Unknown		
4004	CLUSTER	YES	12682.18		1.63	32.08	33.71	3490	Valve	12682.18	Valve	53313.74	36	0.312	52	0.19	0.06	18.65	6.98	5:41	335	938	675	649	0.50	1.08							1250	Unknown		
4022	MELO-CORR	YES	12684.41		3.86	29.85	33.71	3490	Valve	12684.41	Valve	53311.51	36	0.312	52	0.17	0.05	1.22	0.16	5:29	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4024	CLUSTER	YES	12684.99		4.44	29.28	33.71	3490	Valve	12684.99	Valve	53310.93	36	0.312	52	0.18	0.06	2.21	0.35	0.225	335	1053	758	649	0.44	1.17							1250	Unknown		
4026	MELO-CORR	YES	12686.33		5.78	27.94	33.71	3490	Valve	12686.33	Valve	53309.59	36	0.312	52	0.19	0.06	1.10	0.20	0.334722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4027	MELO-CORR	YES	12686.76		6.21	27.51	33.71	3490	Valve	12686.76	Valve	53309.16	36	0.312	52	0.16	0.05	1.18	0.20	0.225694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4029	CLUSTER	YES	12687.04		6.49	27.22	33.71	3490	Valve	12687.04	Valve	53308.88	36	0.312	52	0.17	0.05	13.91	3.30	5:49	335	962	692	649	0.48	1.09							1250	Unknown		
4038	CLUSTER	YES	12691.54		10.99	22.72	33.71	3490	Valve	12691.54	Valve	53304.38	36	0.312	52	0.17	0.05	3.59	1.16	7:07	335	1034	744	649	0.45	1.15							1250	Unknown		
4041	CLUSTER	YES	12691.89		11.34	22.37	33.71	3490	Valve	12691.89	Valve	53304.03	36	0.312	52	0.24	0.08	10.74	1.23	0.314583	335	926	667	649	0.50	1.10							1250	Unknown		
4045	CLUSTER	YES	12692.26		11.71	22.01	33.71	3490	Valve	12692.26	Valve	53303.66	36	0.312	52	0.22	0.07	10.99	2.23	0.196528	335	938	676	649	0.50	1.10							1250	Unknown		
4055	CLUSTER	YES	12695.25		14.7	19.02	33.71	3490	Valve	12695.25	Valve	53300.67	36	0.312	52	0.19	0.06	9.02	1.45	0.177778	335	969	697	649	0.48	1.11							1250	Unknown		
4061	MELO-CORR	YES	12696.15		15.6	18.12	33.71	3490	Valve	12696.15	Valve	53299.77	36	0.312	52	0.17	0.05	1.10	0.16	5:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4063	CLUSTER	YES	12706.51		25.96	7.75	33.71	3490	Valve	12706.51	Valve	53289.41	36	0.312	52	0.19	0.06	14.29	1.20	5:39	335	947	682	649	0.49	1.07							1250	Unknown		
4073	CLUSTER	YES	12707.83		27.28	6.43	33.71	3490	Valve	12707.83	Valve	53288.09	36	0.312	52	0.23	0.07	8.20	0.88	0.234028	335	951	685	649	0.49	1.10							1250	Unknown		
4078	GirthWeld		12714.26		33.71	39.93	39.92	3500	Valve	12714.26	Valve	53281.66	36	0.312	52					0.098611	335			649									1250	Unknown		
4080	CLUSTER	YES	12716.39		2.13	37.8	39.92	3500	Valve	12716.39	Valve	53279.53	36	0.312	52	0.18	0.06	2.44	0.69	0.302778	335	1049	756	649	0.44	1.17							1250	Unknown		
4082	MELO-CORR	YES	12720.02		5.76	34.17	39.92	3500	Valve	12720.02	Valve	53275.9	36	0.312	52	0.16	0.05	1.10	0.20	4:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4083	GirthWeld		12754.19		39.93	39.67	39.67	3510	Valve	12754.19	Valve	53241.73	36	0.312	52					11:22	335			649									1250	Unknown		
4084	GirthWeld		12793.86		39.67	39.79	39.79	3520	Valve	12793.86	Valve	53202.06	36	0.312	52					0.059722	335			649									1250	Unknown		
4085	GirthWeld		12833.65		39.79	39.28	39.28	3530	Valve	12833.65	Valve	53162.27	36	0.312	52					0.4625	335			649									1250	Unknown		
4086	GirthWeld		12872.93		39.28	39.72	39.72	3540	Valve	12872.93	Valve	53122.99	36	0.312	52					0.048611	335			649									1250	Unknown		
4087	MIFE	n/a	12879.9		6.97	32.75	39.72	3540	Valve	12879.9	Valve	53116.02	36	0.312	52					12:42	335			649									2167	Mill Anomaly		
4088	MELO-CORR	YES	12911.89		38.96	0.76	39.72	3540	Valve	12911.89	Valve	53084.03	36	0.312	52	0.17	0.05	0.87	0.20	5:58	335	1071	771	649	0.43	1.19							1598	Metal Loss		
4089	GirthWeld		12912.65		39.72	39.68	39.68	3550	Valve	12912.65	Valve	53083.27	36	0.312	52					0.441667	335			649									1250	Unknown		
4091	CLUSTER	YES	12927.55		14.9	24.78	39.68	3550	Valve	12927.55	Valve	53068.37	36	0.312	52	0.16	0.05	2.72	0.28	0.252778	335	1049	755	649	0.44	1.17							1250	Unknown		
4093	GirthWeld		12952.33		39.68	37.85	37.85	3560	Valve	12952.33	Valve	53043.59	36	0.312	52					0.054167	335			649									1250	Unknown		
4094	MELO-CORR	YES	12953.3		0.97	36.88	37.85	3560	Valve	12953.3	Valve	53042.62	36	0.312	52	0.16	0.05	1.22	0.20	6:02	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4095	MELO-CORR	YES	12957.72		5.39	32.46	37.85	3560	Valve	12957.72	Valve	53038.2	36	0.312	52	0.15	0.05	1.10	0.20	6:01	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4096	GirthWeld		12990.18		37.85	38.36	38.36	3570	Valve	12990.18	Valve	53005.74	36	0.312	52					0.426389	335			649									1250	Unknown		
4097	MELO-CORR	YES	12993.3		3.12	35.24	38.36	3570	Valve	12993.3	Valve	53002.62	36	0.312	52	0.17	0.05	1.22	0.20	0.249306	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4098	MELO-CORR	YES	13008.32		18.14	20.22	38.36	3570	Valve	13008.32	Valve	52987.6	36	0.312	52	0.17	0.05	1.18	0.20	0.251389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4099	GirthWeld		13028.54		38.36	38.98	38.98	3580	Valve	13028.54	Valve	52967.38	36	0.312	52					1:50	335			649									1250	Unknown		
4100	MELO-CORR	YES	13035.39		6.85	32.13	38.98	3580	Valve	13035.39	Valve	52960.53	36	0.312	52	0.17	0.05	1.22	0.20	6:00	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4101	MELO-CORR	YES	13057.09		28.55	10.43	38.98	3580	Valve	13057.09	Valve	52938.83	36	0.312	52	0.17	0.05	1.22	0.20	0.250694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4102	MELO-CORR	YES	13059.26		30.72	8.25	38.98	3580	Valve	13059.26	Valve	52936.66	36	0.312	52	0.19	0.06	1.10	0.20	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4104	CLUSTER	YES	13066.85		38.31	0.67	38.98	3580	Valve	13066.85	Valve	52929.07	36	0.312	52	0.16	0.05	1.67	0.94	0.249306	335	1063	766	649	0.44	1.18							1250	Unknown		
4106	GirthWeld		13067.52		38.98	39.83	39.83	3590	Valve	13067.52	Valve	52928.4	36	0.312	52					10:48	335			649									1250	Unknown		
4107	MELO-CORR	YES	13074.29		6.77	33.06	39.83	3590	Valve	13074.29	Valve	52921.63	36	0.312	52	0.3	0.09	1.26	0.39	5:59	335	1060	763	649	0.44	1.18							1598	Metal Loss		
4108	MELO-CORR	YES	13077.58		10.06	29.77	39.83	3590	Valve	13077.58	Valve	52918.34	36	0.312	52	0.23	0.07	1.18	0.20	0.249306	335	1065	767	649	0.44	1.18							1598	Metal Loss		
4109	MELO-CORR	YES	13078.54		11.01	28.82	39.83	3590	Valve	13078.54	Valve	52917.38	36	0.312	52	0.16	0.05	1.14	0.24	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4110	MELO-CORR	YES	13080.08		12.56	27.27	39.83	3590	Valve	13080.08	Valve	52915.84	36	0.312	52	0.16	0.05	1.14	0.16	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4111	MELO-CORR	YES	13081.83		14.31	25.53	39.83	3590	Valve	13081.83	Valve	52914.1	36	0.312	52	0.15	0.05	1.10	0.16	6:00	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4112	MELO-CORR	YES	13084.4		16.88	22.95	39.83	3590	Valve	13084.4	Valve	52911.52	36	0.312	52	0.15	0.05	1.14	0.24	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4114	CLUSTER	YES	13085.25		17.73	22.11	39.83	3590	Valve	13085.25	Valve	52910.67	36	0.312	52	0.23	0.07	3.77	0.38	0.25	335	1012	729	649	0.46	1.15							1250	Unknown		
4116	MELO-CORR	YES	13097.46		29.93	9.9	39.83	3590	Valve	13097.46	Valve	52898.46	36	0.312	52	0.18	0.06	1.10	0.20	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4117	MELO-CORR	YES	13098.86		31.34	8.49	39.83	3590	Valve	13098.86	Valve	52897.06	36	0.312	52	0.17	0.05	1.14	0.24	0.252778	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4118	MELO-CORR	YES	13100.4		32.88	6.95	39.83	3590	Valve	13100.4	Valve	52895.52	36	0.312	52	0.15	0.05	1.14	0.39	5:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4119	MELO-CORR	YES	13104.47		36.95	2.88	39.83	3590	Valve	13104.47	Valve	52891.45	36	0.312	52	0.15	0.05	1.18	0.20	6:49	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4120	GirthWeld		13107.35		39.83	39.85	39.85	3600	Valve	13107.35	Valve	52888.57	36	0.312	52					0.538194	335			649									1250	Unknown		
4121	MELO-CORR	YES	13115.22		7.87	31.98	39.85	3600	Valve	13115.22	Valve	52880.7	36	0.312	52	0.16	0.05	1.18	0.16	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4122	MELO-CORR	YES	13119.65		12.3	27.55	39.85	3600	Valve	13119.65	Valve	52876.27	36	0.312	52	0.15	0.05	1.10	0.20	0.263889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4123	MELO-CORR	YES	13128.82		21.47	18.38	39.85	3600	Valve	13128.82	Valve	52867.1	36	0.312	52	0.15	0.05	1.10	0.20	7:04	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4125	CLUSTER	YES	13132.75		25.4	14.45	39.85	3600	Valve	13132.75	Valve	52863.17	36	0.312	52	0.19	0.06	2.53	0.38	6:57	335	1046	753	649	0.44	1.17							1250	Unknown		
4128	CLUSTER	YES	13134.5		27.15	12.7	39.85	3600	Valve	13134.5	Valve	52861.42	36	0.312	52	0.2	0.06	3.22	1.04	0.288194	335	1032	743	649	0.45	1.15							1250	Unknown		
4132	CLUSTER	YES	13138.27		30.92	8.93	39.85	3600	Valve	13138.27	Valve	52857.65	36	0.312	52	0.24	0.08	9.84	0.69	0.246528	335	932	671	649	0.50	1.08							1250	Unknown		
4137	MELO-CORR	YES	13139.03		31.68	8.17	39.85	3600	Valve	13139.03	Valve	52856.89	36	0.312	52	0.15	0.05	1.14	0.20	0.295139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4138	MELO-CORR	YES	13141.41		34.06	5.79	39.85	3600	Valve	13141.41	Valve	52854.51	36	0.312	52	0.15	0.05	1.14	0.20	6:56	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4140	CLUSTER	YES	13142.53		35.18	4.67	39.85	3600	Valve	13142.53	Valve	52853.39	36	0.312	52	0.21	0.07	13.08	2.20	5:54	335	936	674	649	0.50	1.09							1250	Unknown		
4149	CLUSTER	YES	13146.14		38.79	1.06	39.85	3600	Valve	13146.14	Valve	52849.78	36	0.312	52	0.15	0.05	9.23	3.27	0.244444	335	991	714	649	0.47	1.11							1250	Unknown		
4157	GirthWeld		13147.2		39.85	39.65	39.65	3610	Valve	13147.2	Valve	52848.72	36	0.312	52					0.436806	335			649									1250	Unknown		
4159	CLUSTER	YES	13156.87		9.67	29.98	39.65	3610	Valve	13156.87	Valve	52839.05	36	0.312	52	0.15	0.05	6.49	1.45	0.245833	335	1008	726	649	0.46	1.13							1250	Unknown		
4164	CLUSTER	YES	13157.42		10.22	29.43	39.65	3610	Valve	13157.42	Valve	52838.5	36	0.312	52	0.15	0.05	2.80	0.72	6:58	335	1049	756	649	0.44	1.17							1250	Unknown		
4166	MELO-CORR	YES	13158.45		11.25	28.4	39.65	3610	Valve	13158.45	Valve	52837.47	36	0.312	52	0.15	0.05	3.94	0.20	6:05	335	1034	745	649	0.45	1.15							1598	Metal Loss		
4168	CLUSTER	YES	13161.96		14.75	24.89	39.65	3610	Valve	13161.96	Valve	52833.96	36	0.312	52	0.18	0.06	2.28	0.72	0.21875	335	1052	757	649	0.44	1.17							1250	Unknown		
4171	CLUSTER	YES	13172.16		24.96	14.68	39.65	3610	Valve	13172.16	Valve	52823.76	36	0.312	52	0.18	0.06	13.55	2.42	0.246528	335	956	688	649	0.49	1.09							1250	Unknown		
4181	MELO-CORR	YES	13173.72		26.52	13.13	39.65	3610	Valve	13173.72	Valve	52822.2	36	0.312	52	0.17	0.05	1.18	0.24	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4183	CLUSTER	YES	13174.58		27.38	12.27	39.65	3610	Valve	13174.58	Valve	52821.34	36	0.312	52	0.17	0.05	3.20	2.61	5:06	335	1039	748	649	0.45	1.16							1250	Unknown		
4185	MELO-CORR	YES	13176.55		29.35	10.3	39.65	3610	Valve	13176.55	Valve	52819.37	36	0.312	52	0.17	0.05	1.22	0.20	5:55	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4187	CLUSTER	YES	13180.09		32.89	6.76	39.65	3610	Valve	13180.09	Valve	52815.83	36	0.312	52	0.15	0.05	22.74	2.92	0.243056	335	963	694	649	0.48	1.08

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
4357	CLUSTER	YES	13215.51		28.66	10.97	39.63	3620	Valve	13215.51	Valve	52780.41	36	0.312	52	0.15	0.05	4.93	0.82	5:43	335	1023	737	649	0.45	1.14							1250	Unknown		
4360	CLUSTER	YES	13218.54		31.69	7.94	39.63	3620	Valve	13218.54	Valve	52777.38	36	0.312	52	0.15	0.05	4.85	0.97	6:00	335	1024	737	649	0.45	1.14							1250	Unknown		
4364	CLUSTER	YES	13219.08		32.23	7.4	39.63	3620	Valve	13219.08	Valve	52776.84	36	0.312	52	0.17	0.05	2.56	1.86	0.295833	335	1049	755	649	0.44	1.17							1250	Unknown		
4367	CLUSTER	YES	13220.6		33.75	5.88	39.63	3620	Valve	13220.6	Valve	52775.32	36	0.312	52	0.15	0.05	13.97	3.68	0.238889	335	975	702	649	0.48	1.09							1250	Unknown		
4377	CLUSTER	YES	13223.12		36.27	3.36	39.63	3620	Valve	13223.12	Valve	52772.8	36	0.312	52	0.17	0.05	24.73	4.59	0.2375	335	947	682	649	0.49	1.07							1250	Unknown		
4382	CLUSTER	YES	13223.27		36.42	3.21	39.63	3620	Valve	13223.27	Valve	52772.65	36	0.312	52	0.2	0.06	12.47	4.56	7:02	335	945	681	649	0.49	1.10							1250	Unknown		
4409	GirthWeld		13226.48		39.63	38.96	38.96	3630	Valve	13226.48	Valve	52769.44	36	0.312	52					10:14	335			649									1250	Unknown		
4411	CLUSTER	YES	13227.61		1.13	37.83	38.96	3630	Valve	13227.61	Valve	52768.31	36	0.312	52	0.17	0.05	14.27	3.74	0.24375	335	961	692	649	0.48	1.09							1250	Unknown		
4417	MELO-CORR	YES	13228.05		1.57	37.39	38.96	3630	Valve	13228.05	Valve	52767.87	36	0.312	52	0.15	0.05	1.10	0.20	0.313889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4421	CLUSTER	YES	13242.15		15.67	23.29	38.96	3630	Valve	13242.15	Valve	52753.77	36	0.312	52	0.15	0.05	26.32	3.74	0.244444	335	961	692	649	0.48	1.08							1250	Unknown		
4443	CLUSTER	YES	13245.39		18.91	20.06	38.96	3630	Valve	13245.39	Valve	52750.53	36	0.312	52	0.25	0.08	13.06	1.32	6:12	335	908	654	649	0.51	1.09							1250	Unknown		
4450	CLUSTER	YES	13246.6		20.12	18.84	38.96	3630	Valve	13246.6	Valve	52749.32	36	0.312	52	0.16	0.05	7.62	3.43	5:49	335	995	716	649	0.47	1.12							1250	Unknown		
4455	MELO-CORR	YES	13256.27		29.79	9.17	38.96	3630	Valve	13256.27	Valve	52739.65	36	0.312	52	0.16	0.05	1.06	0.16	0.269444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4456	GirthWeld		13265.44		38.96	39.74	39.74	3640	Valve	13265.44	Valve	52730.48	36	0.312	52					0.086111	335			649									1250	Unknown		
4457	MELO-CORR	YES	13267.26		1.82	37.92	39.74	3640	Valve	13267.26	Valve	52728.66	36	0.312	52	0.17	0.05	1.18	0.16	0.302778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4458	MELO-CORR	YES	13272.2		6.76	32.99	39.74	3640	Valve	13272.2	Valve	52723.72	36	0.312	52	0.16	0.05	1.10	0.16	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4459	GirthWeld		13305.18		39.74	39.68	39.68	3650	Valve	13305.18	Valve	52690.74	36	0.312	52					10:32	335			649									1250	Unknown		
4460	MELO-CORR	YES	13316.19		11.01	28.67	39.68	3650	Valve	13316.19	Valve	52679.73	36	0.312	52	0.17	0.05	1.06	0.59	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4461	MELO-CORR	YES	13324.53		19.35	20.33	39.68	3650	Valve	13324.53	Valve	52671.39	36	0.312	52	0.16	0.05	1.10	0.39	0.216667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4462	GirthWeld		13344.86		39.68	10.04	10.04	3660	Valve	13344.86	Valve	52651.06	36	0.312	52					0.054861	335			649									1250	Unknown		
4463	GirthWeld		13354.9		10.04	39.79	39.8	3670	Valve	13354.9	Valve	52641.02	36	0.312	52					10:07	335			649									1250	Unknown		
4464	MELO-CORR	YES	13388.94		34.04	5.75	39.8	3670	Valve	13388.94	Valve	52606.98	36	0.312	52	0.16	0.05	1.10	0.16	3:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4465	MELO-CORR	YES	13389.87		34.97	4.83	39.8	3670	Valve	13389.87	Valve	52606.05	36	0.312	52	0.15	0.05	1.14	0.20	0.240278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4467	CLUSTER	YES	13392.71		37.81	1.98	39.8	3670	Valve	13392.71	Valve	52603.21	36	0.312	52	0.15	0.05	3.64	0.76	0.261111	335	1038	748	649	0.45	1.16							1250	Unknown		
4469	GirthWeld		13394.69		39.79	39.19	39.19	3680	Valve	13394.69	Valve	52601.23	36	0.312	52					0.054167	335			649									1250	Unknown		
4470	MELO-CORR	YES	13416.91		22.22	16.97	39.19	3680	Valve	13416.91	Valve	52579.01	36	0.312	52	0.17	0.05	1.14	0.20	6:05	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4471	MELO-CORR	YES	13430.51		35.82	3.37	39.19	3680	Valve	13430.51	Valve	52565.41	36	0.312	52	0.17	0.05	1.22	0.20	6:06	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4472	GirthWeld		13433.88		39.19	39.81	39.81	3690	Valve	13433.88	Valve	52562.04	36	0.312	52					0.473611	335			649									1250	Unknown		
4473	MELO-CORR	YES	13435.93		2.05	37.76	39.81	3690	Valve	13435.93	Valve	52559.99	36	0.312	52	0.16	0.05	1.14	0.20	0.248611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4474	MELO-CORR	YES	13450.46		16.58	23.23	39.81	3690	Valve	13450.46	Valve	52545.46	36	0.312	52	0.15	0.05	1.10	0.16	0.244444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4475	MELO-CORR	YES	13467.79		33.91	5.9	39.81	3690	Valve	13467.79	Valve	52528.13	36	0.312	52	0.18	0.06	1.18	0.20	5:58	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4476	GirthWeld		13473.69		39.81	39.77	39.77	3700	Valve	13473.69	Valve	52522.23	36	0.312	52					2:16	335			649									1250	Unknown		
4478	CLUSTER	YES	13475.76		2.07	37.69	39.77	3700	Valve	13475.76	Valve	52520.16	36	0.312	52	0.27	0.08	3.40	0.32	0.247917	335	1009	727	649	0.46	1.14							1250	Unknown		
4481	CLUSTER	YES	13490.09		16.4	23.36	39.77	3700	Valve	13490.09	Valve	52505.83	36	0.312	52	0.18	0.06	3.01	1.01	0.252083	335	1040	749	649	0.45	1.16							1250	Unknown		
4484	CLUSTER	YES	13491.13		17.43	22.33	39.77	3700	Valve	13491.13	Valve	52504.79	36	0.312	52	0.15	0.05	2.45	0.47	0.250694	335	1054	759	649	0.44	1.17							1250	Unknown		
4486	MELO-CORR	YES	13492.17		18.48	21.28	39.77	3700	Valve	13492.17	Valve	52503.75	36	0.312	52	0.16	0.05	1.10	0.32	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4487	MELO-CORR	YES	13495.39		21.7	18.07	39.77	3700	Valve	13495.39	Valve	52500.53	36	0.312	52	0.15	0.05	1.18	0.24	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4489	CLUSTER	YES	13495.75		22.06	17.7	39.77	3700	Valve	13495.75	Valve	52500.17	36	0.312	52	0.21	0.07	4.38	1.79	0.249306	335	1008	726	649	0.46	1.14							1250	Unknown		
4493	CLUSTER	YES	13499.55		25.86	13.91	39.77	3700	Valve	13499.55	Valve	52496.37	36	0.312	52	0.15	0.05	1.38	1.73	0.249306	335	1067	768	649	0.44	1.18							1250	Unknown		
4496	CLUSTER	YES	13500		26.31	13.45	39.77	3700	Valve	13500	Valve	52495.92	36	0.312	52	0.23	0.07	1.30	0.91	0.247917	335	1063	766	649	0.44	1.18							1250	Unknown		
4499	CLUSTER	YES	13500.53		26.84	12.93	39.77	3700	Valve	13500.53	Valve	52495.39	36	0.312	52	0.17	0.05	4.28	0.44	5:56	335	1023	737	649	0.45	1.14							1250	Unknown		
4502	MELO-CORR	YES	13508.69		35	4.77	39.77	3700	Valve	13508.69	Valve	52487.23	36	0.312	52	0.16	0.05	1.18	0.28	6:02	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4504	CLUSTER	YES	13509.94		36.25	3.52	39.77	3700	Valve	13509.94	Valve	52485.98	36	0.312	52	0.21	0.07	3.28	0.60	0.250694	335	1028	740	649	0.45	1.16							1250	Unknown		
4507	CLUSTER	YES	13511.7		38	1.76	39.77	3700	Valve	13511.7	Valve	52484.22	36	0.312	52	0.19	0.06	8.11	3.49	0.248611	335	975	702	649	0.48	1.10							1250	Unknown		
4516	CLUSTER	YES	13512.6		38.91	0.85	39.77	3700	Valve	13512.6	Valve	52483.32	36	0.312	52	0.18	0.06	2.68	0.47	0.247917	335	1046	753	649	0.45	1.17							1250	Unknown		
4518	MELO-CORR	YES	13513.17		39.48	0.28	39.77	3700	Valve	13513.17	Valve	52482.75	36	0.312	52	0.15	0.05	1.06	0.20	6:03	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4519	GirthWeld		13513.46		39.77	39.76	39.76	3710	Valve	13513.46	Valve	52482.46	36	0.312	52					11:26	335			649									1250	Unknown		
4520	MELO-CORR	YES	13529.07		15.61	24.15	39.76	3710	Valve	13529.07	Valve	52466.85	36	0.312	52	0.17	0.05	1.10	0.20	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4522	CLUSTER	YES	13529.46		16	23.76	39.76	3710	Valve	13529.46	Valve	52466.46	36	0.312	52	0.16	0.05	2.28	0.57	0.251389	335	1055	759	649	0.44	1.17							1250	Unknown		
4524	MELO-CORR	YES	13532.64		19.18	20.58	39.76	3710	Valve	13532.64	Valve	52463.28	36	0.312	52	0.2	0.06	1.14	0.20	0.249306	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4526	CLUSTER	YES	13533.3		19.84	19.92	39.76	3710	Valve	13533.3	Valve	52462.62	36	0.312	52	0.18	0.06	2.94	1.98	5:48	335	1041	750	649	0.45	1.16							1250	Unknown		
4528	MELO-CORR	YES	13534.22		20.76	19	39.76	3710	Valve	13534.22	Valve	52461.7	36	0.312	52	0.16	0.05	1.18	0.24	6:05	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4529	MELO-CORR	YES	13534.89		21.43	18.33	39.76	3710	Valve	13534.89	Valve	52461.03	36	0.312	52	0.21	0.07	1.14	0.35	0.249306	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4531	CLUSTER	YES	13535.44		21.98	17.78	39.76	3710	Valve	13535.44	Valve	52460.48	36	0.312	52	0.17	0.05	3.59	1.04	0.247222	335	1034	744	649	0.45	1.15							1250	Unknown		
4532	MELO-CORR	YES	13535.53		22.07	17.69	39.76	3710	Valve	13535.53	Valve	52460.39	36	0.312	52	0.15	0.05	1.10	0.20	0.263194	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4535	CLUSTER	YES	13543.15		29.69	10.07	39.76	3710	Valve	13543.15	Valve	52452.77	36	0.312	52	0.15	0.05	4.61	1.42	5:59	335	1026	739	649	0.45	1.14							1250	Unknown		
4538	GirthWeld		13553.22		39.76	39.76	39.76	3720	Valve	13553.22	Valve	52442.7	36	0.312	52					1:21	335			649									1250	Unknown		
4540	CLUSTER	YES	13553.97		0.75	39.01	39.76	3720	Valve	13553.97	Valve	52441.95	36	0.312	52	0.15	0.05	4.72	0.88	0.252083	335	1025	738	649	0.45	1.14							1250	Unknown		
4544	CLUSTER	YES	13560.35		7.13	32.62	39.76	3720	Valve	13560.35	Valve	52435.57	36	0.312	52	0.15	0.05	2.24	0.41	0.249306	335	1057	761	649	0.44	1.17							1250	Unknown		
4547	CLUSTER	YES	13561.89		8.67	31.09	39.76	3720	Valve	13561.89	Valve	52434.03	36	0.312	52	0.21	0.07	12.02	2.77	0.248611	335	940	677	649	0.49	1.10							1250	Unknown		
4558	CLUSTER	YES	13565.53		12.31	27.45	39.76	3720	Valve	13565.53	Valve	52430.39	36	0.312	52	0.17	0.05	4.06	0.35	5:59	335	1027	739	649	0.45	1.15							1250	Unknown		
4560	MELO-CORR	YES	13566.71		13.49	26.27	39.76	3720	Valve	13566.71	Valve	52429.21	36	0.312	52	0.16	0.05	1.22	0.20	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4562	CLUSTER	YES	13568.83		15.61	24.15	39.76	3720	Valve	13568.83	Valve	52427.09	36	0.312	52	0.16	0.05	7.87	1.35	0.249306	335	993	715	649	0.47	1.12							1250	Unknown		
4567	CLUSTER	YES	13569.53		16.31	23.45	39.76	3720	Valve	13569.53	Valve	52426.39	36	0.312	52	0.15	0.05	7.90	4.37	0.239583	335	998	719	649	0.47	1.12							1250	Unknown		
4573	CLUSTER	YES	13570.9		17.68	22.08	39.76	3720	Valve	13570.9	Valve	52425.02	36	0.312	52	0.15	0.05	7.54	2.52	0.249306	335	1001	721	649	0.46	1.12							1250	Unknown		
4579	CLUSTER	YES	13573.6		20.38	19.38	39.76	3720	Valve	13573.6	Valve	52422.32	36	0.312	52	0.22	0.07	5.39	2.23	5:58	335	988	712	649	0.47	1.13							1250	Unknown		
4584	CLUSTER	YES	13574.03		20.81	18.95	39.76	3720	Valve	13574.03	Valve	52421.89	36	0.312	52	0.25	0.08	6.48	2.52	5:46	335	958	690	649	0.49	1.12							1250	Unknown		
4587	MELO-CORR	YES	13575.82		22.6	17.16	39.76	3720	Valve	13575.82	Valve	52420.1	36	0.312	52	0.15	0.05	1.10	0.24	0.240972	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4589	CLUSTER	YES	13579.65		26.43	13.33	39.76	3720	Valve	13579.65	Valve	52416.27	36	0.312	52	0.17	0.05	2.33	1.82	0.251389	335	1053	758	649	0.44	1.17							1250	Unknown		
4592	CLUSTER	YES	13582.43		29.21	10.55	39.76	3720	Valve	13582.43	Valve	52413.49	36	0.312	52	0.16	0.05	2.26	0.66	0.255556	335	1055	760	649	0.44	1.17							1250	Unknown		
4594	MELO-CORR	YES	13589.51		36.29	3.47	39.76	3720	Valve	13589.51	Valve	52406.41	36	0.312	52	0.15	0.05	1.22	0.20	5:58	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4595	GirthWeld		13592.98		39.76	39.2	39.2	3730	Valve	13592.98	Valve	52402.94	36	0.312	52					10:28	335			649									1250	Unknown		
4597	CLUSTER	YES	13593.2		0.22	38.98	39.2	3730	Valve	13593.2	Valve	52402.72	36	0.312	52	0.2	0.06	9.46	2.08	0.266667	335	960	691	649	0.48	1.11							1250	Unknown		
4599	MELO-CORR	YES	13593.33		0.35	38.85	39.2	3730	Valve	13593.33	Valve	52402.59	36	0.312	52	0.15	0.05	1.18	0.24	0.288889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4601	CLUSTER	YES	13593.35		0.37	38.82	39.2	3730	Valve	13593.35	Valve	52402.57	36	0.312	52	0.15	0.05	2.02	2.01	0.230556	335	1060	763	649	0.44	1.18							1250	Unknown		
4607	CLUSTER	YES	13593.98		1	38.2	39.2	3730	Valve	13593.98	Valve	52401.94	36	0.312	52	0.16	0.05	5.33	1.38	5:58	335	1015	731	649	0.46	1.14							1250	Unknown		
4610	MELO-CORR	YES	13594.81		1.83	37.37	39.2	3730	Valve	13594.81	Valve	52401.11	36	0.312	52	0.18	0.06	1.18	0.20	5:18	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4611	MELO-CORR	YES	13595.3		2.32	36.88	39.2	3730	Valve	13595.3	Valve	52400.62	36	0.312	52	0.15	0.05	1.22	0.20	0.282639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4613	CLUSTER	YES	13596.06		3.08	36.12	39.2	3730	Valve	13596.06	Valve	52399.86	36	0.312	52	0.16	0.05	3.43	2.92	0.249306	335	1038	748	649	0.45	1.16							1250	Unknown		
4617	CLUSTER	YES	13597.28		4.3	34.9	39.2	3730	Valve	13597.28	Valve	52398.64	36	0.312	52	0.18	0.06	3.16	0.63	0.249306	335	1038	747	649	0.45	1.16							1250	Unknown		
4620	CLUSTER	YES	13598.53		5.55	33.65	39.2	3730	Valve	13598.53	Valve	52397.39	36	0.312	52	0.23	0.07	2.93	2.58	6:01	335	1031	742	649	0.45	1.16							1250	Unknown		
4623	CLUSTER	YES	13599.18		6.2	32.99	39.2	3730	Valve	13599.18	Valve	52396.74	36	0.312	52	0.21	0.07	5.29	0.72	5:58	335	994	716	649	0.47	1.13							1250	Unknown		
4627	CLUSTER	YES	13601		8.02	31.18	39.2	3730	Valve	13601	Valve	52394.92	36	0.312	52	0.2	0.06	5.80	4.62	0.250694	335	992	714	649	0.47	1.12							1250	Unknown		
4631	MELO-CORR	YES	13604.01		11.03	28.17	39.2	3730	Valve	13604.01	Valve	52391.91	36	0.312	52	0.18	0.06	1.10	0.71	0.263194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4633	CLUSTER	YES	13605.69		12.71	26.49	39.2	3730	Valve	13605.69	Valve	52390.23	36	0.312	52	0.16	0.05	11.69	3.08	0.245833	335	975	702	649	0.48	1.10							1250	Unknown		
4638	MELO-CORR	YES	13608.81		15.83	23.36	39.2	3730	Valve	13608.81	Valve	52387.11	36	0.312	52	0.15	0.05	1.18	0.16	6:24	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4639	MELO-CORR	YES	13610.09		17.11	22.09	39.2	3730	Valve	13610.09	Valve	52385.83	36	0.312	52	0.18	0.06	1.18	0.20	6:26	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4641	CLUSTER	YES	13610.4		17.42	21.77	39.2	3730	Valve	13610.4	Valve	52385.52	36	0.312	52	0.16	0.05	3.34	2.29	0.249306	335	1040	748	649	0.45	1.16							1250	Unknown		
4645	CLUSTER	YES	13614.26		21.28	17.92	39.2	3730	Valve	13614.26	Valve	52381.66	36	0.312	52	0.19	0.06	1.66	0.60	0.226389	335	1061	764	649	0.44	1.18							1250	Unknown		
4647	MELO-CORR	YES	13615.39		22.41	16.79	39.2	3730	Valve	13615.39	Valve	52380.53	36	0.312	52	0.15	0.05	1.18	0.20	0.271528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4649	CLUSTER	YES	13617.46		24.48	14.71	39.2	3730	Valve	13617.46	Valve	52378.46	36	0.312	52	0.18	0.06	5.04	0.28	5:58	335	1010	727	649	0.46	1.14							1250	Unknown		
4651	MELO-CORR	YES	13618.7		25.72	13.48	39.2	3730	Valve	13618.7	Valve	52377.22	36	0.312	52	0.16	0.05	1.10	0.20	6:25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4652	MELO-CORR	YES	13618.98		26	13.2	39.2	3730	Valve	13618.98	Valve	52376.95	36	0.312	52	0.17	0.05	1.18	0.32	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4654	CLUSTER	YES	13621.33		28.35	10.84	39.2	3730	Valve	13621.33	Valve	52374.58	36	0.312	52	0.23	0.07	6.08	2.23	0.248611	335	974	701	649	0.48	1.12							1250	Unknown		
4660	CLUSTER	YES	13627.67		34.69	4.5	39.2	3730	Valve	13627.67	Valve	52368.25	36	0.312	52	0.15	0.05	5.30	1.79	0.266667	335	1019	734	649	0.46	1.14							1250	Unknown		
4664	CLUSTER	YES	13628.7		35.72	3.48	39.2	3730	Valve	13628.7	Valve	52367.22	36	0.312	52	0.17	0.05	3.24	0.35	6:31	335	1039	748	649	0.45	1.16							1250	Unknown		
4667	CLUSTER	YES	13630.54		37.56	1.64	39.2	3730	Valve	13630.54	Valve	52365.38	36	0.312	52	0.16	0.05	1.61	0.63	5:59	335	1064	766	649	0.44	1.18							1250	Unknown		
4669	MELO-CORR	YES	13630.79		37.81	1.38	39.2

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
4708	CLUSTER	YES	14039.83		22.52	17.22	39.74	3840	Valve	14039.83	Valve	51956.09	36	0.312	52	0.18	0.06	6.28	1.04	5:57	335	996	717	649	0.47	1.12							1250	Unknown		
4712	CLUSTER	YES	14047.02		29.71	10.03	39.74	3840	Valve	14047.02	Valve	51948.9	36	0.312	52	0.19	0.06	6.77	1.26	5:56	335	986	710	649	0.47	1.12							1250	Unknown		
4714	GirthWeld		14057.05		39.74	39.73	39.74	3850	Valve	14057.05	Valve	51938.87	36	0.312	52					0.427083	335			649									1250	Unknown		
4716	CLUSTER	YES	14061.96		4.91	34.82	39.74	3850	Valve	14061.96	Valve	51933.96	36	0.312	52	0.19	0.06	7.32	1.73	0.245833	335	981	706	649	0.47	1.12							1250	Unknown		
4719	GirthWeld		14096.78		39.73	39.81	39.81	3860	Valve	14096.78	Valve	51899.14	36	0.312	52					0.076389	335			649									1250	Unknown		
4721	CLUSTER	YES	14108.63		11.85	27.96	39.81	3860	Valve	14108.63	Valve	51887.29	36	0.312	52	0.16	0.05	3.44	1.04	5:59	335	1038	748	649	0.45	1.16							1250	Unknown		
4724	MELO-CORR	YES	14120.65		23.87	15.94	39.81	3860	Valve	14120.65	Valve	51875.27	36	0.312	52	0.15	0.05	1.18	0.16	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4725	MELO-CORR	YES	14126.22		29.43	10.38	39.81	3860	Valve	14126.22	Valve	51869.71	36	0.312	52	0.16	0.05	1.14	0.20	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4726	MELO-CORR	YES	14134.79		38.01	1.8	39.81	3860	Valve	14134.79	Valve	51861.13	36	0.312	52	0.2	0.06	1.10	0.20	0.251389	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4727	GirthWeld		14136.59		39.81	39.78	39.78	3870	Valve	14136.59	Valve	51859.33	36	0.312	52					0.461806	335			649									1250	Unknown		
4728	MELO-CORR	YES	14146.45		9.86	29.93	39.78	3870	Valve	14146.45	Valve	51849.47	36	0.312	52	0.15	0.05	1.22	0.20	6:07	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4729	GirthWeld		14176.37		39.78	39.42	39.42	3880	Valve	14176.37	Valve	51819.55	36	0.312	52					2:04	335			649									1250	Unknown		
4730	GirthWeld		14215.79		39.42	39.77	39.77	3890	Valve	14215.79	Valve	51780.13	36	0.312	52					0.448611	335			649									1250	Unknown		
4731	MIFE	n/a	14217.12		1.33	38.44	39.77	3890	Valve	14217.12	Valve	51778.8	36	0.312	52					0.443056	335			649								near seam weld	2167	Mill Anomaly		
4732	MELO-CORR	YES	14218.3		2.51	37.27	39.77	3890	Valve	14218.3	Valve	51777.62	36	0.312	52	0.15	0.05	1.10	0.20	0.259722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4733	MELO-CORR	YES	14241.71		25.92	13.86	39.77	3890	Valve	14241.71	Valve	51754.21	36	0.312	52	0.23	0.07	1.22	0.24	6:01	335	1065	766	649	0.44	1.18							1598	Metal Loss		
4735	CLUSTER	YES	14254.7		38.91	0.87	39.77	3890	Valve	14254.7	Valve	51741.22	36	0.312	52	0.15	0.05	5.09	0.44	5:55	335	1021	735	649	0.46	1.14							1250	Unknown		
4738	GirthWeld		14255.56		39.77	39.61	39.61	3900	Valve	14255.56	Valve	51740.36	36	0.312	52					0.076389	335			649									1250	Unknown		
4739	GirthWeld		14295.17		39.61	39.73	39.73	3910	Valve	14295.17	Valve	51700.75	36	0.312	52					0.478472	335			649									1250	Unknown		
4740	MELO-CORR	YES	14320.76		25.59	14.14	39.73	3910	Valve	14320.76	Valve	51675.16	36	0.312	52	0.15	0.05	1.22	0.16	0.250694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4741	GirthWeld		14334.9		39.73	39.72	39.72	3920	Valve	14334.9	Valve	51661.02	36	0.312	52					1:18	335			649									1250	Unknown		
4742	GirthWeld		14374.62		39.72	39.82	39.82	3930	Valve	14374.62	Valve	51621.3	36	0.312	52					11:15	335			649									1250	Unknown		
4743	MELO-CORR	YES	14375.41		0.78	39.03	39.82	3930	Valve	14375.41	Valve	51620.51	36	0.312	52	0.21	0.07	1.18	0.24	0.248611	335	1066	768	649	0.44	1.18							1598	Metal Loss		
4744	MELO-CORR	YES	14380.87		6.25	33.57	39.82	3930	Valve	14380.87	Valve	51615.05	36	0.312	52	0.19	0.06	1.14	0.20	0.261111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4745	MELO-CORR	YES	14392.18		17.56	22.26	39.82	3930	Valve	14392.18	Valve	51603.74	36	0.312	52	0.17	0.05	1.18	0.20	0.249306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4746	MELO-CORR	YES	14394.85		20.23	19.59	39.82	3930	Valve	14394.85	Valve	51601.07	36	0.312	52	0.22	0.07	1.26	0.20	5:59	335	1065	766	649	0.44	1.18							1598	Metal Loss		
4747	MELO-CORR	YES	14402.07		27.44	12.37	39.82	3930	Valve	14402.07	Valve	51593.85	36	0.312	52	0.16	0.05	1.18	0.20	5:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4748	GirthWeld		14414.44		39.82	39.65	39.65	3940	Valve	14414.44	Valve	51581.48	36	0.312	52					0.086806	335			649									1250	Unknown		
4749	GirthWeld		14454.09		39.65	39.7	39.7	3950	Valve	14454.09	Valve	51541.83	36	0.312	52					0.476389	335			649									1250	Unknown		
4750	MELO-CORR	YES	14474.12		20.03	19.67	39.7	3950	Valve	14474.12	Valve	51521.8	36	0.312	52	0.16	0.05	1.22	0.16	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4751	MELO-CORR	YES	14484.11		30.02	9.68	39.7	3950	Valve	14484.11	Valve	51511.81	36	0.312	52	0.17	0.05	1.10	0.20	6:01	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4752	GirthWeld		14493.79		39.7	39.76	39.76	3960	Valve	14493.79	Valve	51502.13	36	0.312	52					2:38	335			649									1250	Unknown		
4753	MELO-CORR	YES	14522.13		28.34	11.42	39.76	3960	Valve	14522.13	Valve	51473.79	36	0.312	52	0.16	0.05	1.22	0.20	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4754	GirthWeld		14533.55		39.76	39.74	39.74	3970	Valve	14533.55	Valve	51462.37	36	0.312	52					0.456944	335			649									1250	Unknown		
4756	CLUSTER	YES	14536.07		2.52	37.23	39.74	3970	Valve	14536.07	Valve	51459.85	36	0.312	52	0.15	0.05	3.92	1.95	0.243056	335	1034	745	649	0.45	1.15							1250	Unknown		
4759	GirthWeld		14573.29		39.74	39.72	39.72	3980	Valve	14573.29	Valve	51422.63	36	0.312	52					1:42	335			649									1250	Unknown		
4760	MELO-CORR	YES	14592.4		19.11	20.61	39.72	3980	Valve	14592.4	Valve	51403.52	36	0.312	52	0.15	0.05	1.18	0.16	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4761	GirthWeld		14613.01		39.72	39.81	39.8	3990	Valve	14613.01	Valve	51382.91	36	0.312	52					0.429861	335			649									1250	Unknown		
4763	CLUSTER	YES	14627.19		14.18	25.63	39.8	3990	Valve	14627.19	Valve	51368.73	36	0.312	52	0.15	0.05	6.28	0.60	0.251389	335	1010	727	649	0.46	1.13							1250	Unknown		
4766	MELO-CORR	YES	14630.16		17.15	22.65	39.8	3990	Valve	14630.16	Valve	51365.76	36	0.312	52	0.15	0.05	1.14	0.24	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4767	GirthWeld		14652.82		39.81	39.74	39.75	4000	Valve	14652.82	Valve	51343.1	36	0.312	52					2:22	335			649									1250	Unknown		
4768	GirthWeld		14692.56		39.74	39.12	39.12	4010	Valve	14692.56	Valve	51303.36	36	0.312	52					11:12	335			649									1250	Unknown		
4769	MELO-CORR	YES	14726.87		34.31	4.81	39.12	4010	Valve	14726.87	Valve	51269.05	36	0.312	52	0.15	0.05	1.22	0.20	0.250694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4770	GirthWeld		14731.68		39.13	39.77	39.77	4020	Valve	14731.68	Valve	51264.24	36	0.312	52					0.060417	335			649									1250	Unknown		
4771	MELO-CORR	YES	14733.33		1.65	38.12	39.77	4020	Valve	14733.33	Valve	51262.59	36	0.312	52	0.18	0.06	1.10	0.20	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4772	MELO-CORR	YES	14749		17.32	22.46	39.77	4020	Valve	14749	Valve	51246.92	36	0.312	52	0.15	0.05	1.10	0.16	6:03	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4773	MELO-CORR	YES	14754.06		22.38	17.39	39.77	4020	Valve	14754.06	Valve	51241.86	36	0.312	52	0.19	0.06	1.22	0.20	6:03	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4774	MELO-CORR	YES	14757.72		26.04	13.74	39.77	4020	Valve	14757.72	Valve	51238.2	36	0.312	52	0.15	0.05	1.18	0.16	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4775	MELO-CORR	YES	14765.44		33.76	6.01	39.77	4020	Valve	14765.44	Valve	51230.48	36	0.312	52	0.15	0.05	1.14	0.16	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4776	MELO-CORR	YES	14767.01		35.33	4.44	39.77	4020	Valve	14767.01	Valve	51228.91	36	0.312	52	0.15	0.05	1.10	0.24	0.251389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4777	GirthWeld		14771.46		39.77	39.15	39.14	4030	Valve	14771.46	Valve	51224.46	36	0.312	52					11:45	335			649									1250	Unknown		
4778	MELO-CORR	YES	14772.98		1.52	37.62	39.14	4030	Valve	14772.98	Valve	51222.95	36	0.312	52	0.16	0.05	1.10	0.16	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4779	MELO-CORR	YES	14775.19		3.73	35.41	39.14	4030	Valve	14775.19	Valve	51220.73	36	0.312	52	0.2	0.06	1.14	0.20	0.247222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4780	MELO-CORR	YES	14781.79		10.33	28.81	39.14	4030	Valve	14781.79	Valve	51214.13	36	0.312	52	0.17	0.05	1.10	0.28	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4781	MELO-CORR	YES	14783.5		12.04	27.1	39.14	4030	Valve	14783.5	Valve	51212.42	36	0.312	52	0.15	0.05	1.14	0.20	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4782	MELO-CORR	YES	14783.62		12.16	26.98	39.14	4030	Valve	14783.62	Valve	51212.3	36	0.312	52	0.17	0.05	1.14	0.20	5:47	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4783	MELO-CORR	YES	14786.68		15.22	23.92	39.14	4030	Valve	14786.68	Valve	51209.24	36	0.312	52	0.15	0.05	1.18	0.20	5:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4784	MELO-CORR	YES	14789.12		17.66	21.48	39.14	4030	Valve	14789.12	Valve	51206.81	36	0.312	52	0.17	0.05	1.18	0.20	0.256944	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4785	MELO-CORR	YES	14793.6		22.14	17	39.14	4030	Valve	14793.6	Valve	51202.32	36	0.312	52	0.22	0.07	1.14	0.20	0.247917	335	1066	768	649	0.44	1.18							1598	Metal Loss		
4787	CLUSTER	YES	14797.21		25.75	13.39	39.14	4030	Valve	14797.21	Valve	51198.71	36	0.312	52	0.21	0.07	6.77	3.11	0.243056	335	976	703	649	0.48	1.12							1250	Unknown		
4793	CLUSTER	YES	14799.7		28.24	10.9	39.14	4030	Valve	14799.7	Valve	51196.22	36	0.312	52	0.23	0.07	7.34	2.17	5:49	335	959	690	649	0.49	1.11							1250	Unknown		
4800	CLUSTER	YES	14800.76		29.3	9.84	39.14	4030	Valve	14800.76	Valve	51195.16	36	0.312	52	0.16	0.05	14.53	2.52	5:52	335	967	696	649	0.48	1.09							1250	Unknown		
4810	MELO-CORR	YES	14805.65		34.19	4.94	39.14	4030	Valve	14805.65	Valve	51190.27	36	0.312	52	0.15	0.05	1.18	0.16	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4811	MELO-CORR	YES	14806.27		34.81	4.33	39.14	4030	Valve	14806.27	Valve	51189.65	36	0.312	52	0.16	0.05	1.10	0.28	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4813	CLUSTER	YES	14806.91		35.45	3.68	39.14	4030	Valve	14806.91	Valve	51189.01	36	0.312	52	0.18	0.06	6.72	1.79	0.252083	335	992	714	649	0.47	1.12							1250	Unknown		
4817	MELO-CORR	YES	14808.21		36.75	2.39	39.14	4030	Valve	14808.21	Valve	51187.71	36	0.312	52	0.2	0.06	1.18	0.24	6:00	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4818	GirthWeld		14810.6		39.14	39.7	39.7	4040	Valve	14810.6	Valve	51185.32	36	0.312	52					2:37	335			649									1250	Unknown		
4819	MELO-CORR	YES	14811.74		1.14	38.56	39.7	4040	Valve	14811.74	Valve	51184.18	36	0.312	52	0.19	0.06	1.22	0.39	0.241667	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4820	MELO-CORR	YES	14811.88		1.28	38.42	39.7	4040	Valve	14811.88	Valve	51184.04	36	0.312	52	0.24	0.08	1.10	0.20	0.252778	335	1066	768	649	0.44	1.18							1598	Metal Loss		
4822	CLUSTER	YES	14814.64		4.03	35.66	39.7	4040	Valve	14814.64	Valve	51181.28	36	0.312	52	0.15	0.05	5.20	1.42	0.249306	335	1020	734	649	0.46	1.14							1250	Unknown		
4825	MELO-CORR	YES	14816.59		5.99	33.71	39.7	4040	Valve	14816.59	Valve	51179.33	36	0.312	52	0.15	0.05	1.14	0.32	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4827	CLUSTER	YES	14830.19		19.59	20.11	39.7	4040	Valve	14830.19	Valve	51165.73	36	0.312	52	0.15	0.05	11.04	2.08	5:56	335	984	708	649	0.47	1.10							1250	Unknown		
4831	MELO-CORR	YES	14832.96		22.36	17.34	39.7	4040	Valve	14832.96	Valve	51162.96	36	0.312	52	0.16	0.05	1.10	0.55	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4832	MELO-CORR	YES	14843.83		33.23	6.47	39.7	4040	Valve	14843.83	Valve	51152.09	36	0.312	52	0.23	0.07	1.10	0.16	0.250694	335	1066	768	649	0.44	1.18							1598	Metal Loss		
4833	GirthWeld		14850.3		39.7	39.93	39.93	4050	Valve	14850.3	Valve	51145.62	36	0.312	52					0.448611	335			649									1250	Unknown		
4834	MELO-CORR	YES	14850.88		0.58	39.35	39.93	4050	Valve	14850.88	Valve	51145.04	36	0.312	52	0.21	0.07	1.14	0.20	6:00	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4835	MELO-CORR	YES	14873.01		22.71	17.22	39.93	4050	Valve	14873.01	Valve	51122.91	36	0.312	52	0.19	0.06	1.18	0.20	6:01	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4836	MELO-CORR	YES	14874.84		24.54	15.38	39.93	4050	Valve	14874.84	Valve	51121.08	36	0.312	52	0.15	0.05	1.10	0.20	0.252778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4837	GirthWeld		14890.23		39.93	39.73	39.73	4060	Valve	14890.23	Valve	51105.7	36	0.312	52					0.090278	335			649									1250	Unknown		
4839	GirthWeld		14929.96		39.73	39.75	39.75	4070	Valve	14929.96	Valve	51065.96	36	0.312	52					0.438194	335			649									1250	Unknown		
4839	MELO-CORR	YES	14958.5		28.54	11.21	39.75	4070	Valve	14958.5	Valve	51037.42	36	0.312	52	0.19	0.06	1.22	0.20	6:01	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4840	GirthWeld		14969.71		39.75	39.73	39.73	4080	Valve	14969.71	Valve	51026.21	36	0.312	52					2:00	335			649									1250	Unknown		
4841	MIFE	n/a	14973.65		3.94	35.79	39.73	4080	Valve	14973.65	Valve	51022.27	36	0.312	52					0.379861	335			649									2167	Mill Anomaly		
4842	GirthWeld		15009.44		39.73	39.73	39.73	4090	Valve	15009.44	Valve	50986.48	36	0.312	52					0.473611	335			649									1250	Unknown		
4844	CLUSTER	YES	15047.64		38.2	1.52	39.73	4090	Valve	15047.64	Valve	50948.28	36	0.312	52	0.15	0.05	9.40	2.45	0.247917	335	990	713	649	0.47	1.11							1250	Unknown		
4851	GirthWeld		15049.17		39.73	39.78	39.78	4100	Valve	15049.17	Valve	50946.75	36	0.312	52					2:54	335			649									1250	Unknown		
4852	MELO-CORR	YES	15056.33		7.16	32.62	39.78	4100	Valve	15056.33	Valve	50939.6	36	0.312	52	0.15	0.05	1.14	0.20	6:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4853	MELO-CORR	YES	15059.21		10.04	29.74	39.78	4100	Valve	15059.21	Valve	50936.71	36	0.312	52	0.18	0.06	1.22	0.20	0.260417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
4854	MELO-CORR	YES	15061.49		12.32	27.46	39.78	4100	Valve	15061.49	Valve	50934.43	36	0.312	52	0.19	0.06	1.10	0.16	0.236806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4855	MELO-CORR	YES	15065.08		15.91	23.86	39.78	4100	Valve	15065.08	Valve	50930.84	36	0.312	52	0.19	0.06	1.14	0.16	0.251389	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4856	MELO-CORR	YES	15065.47		16.3	23.48	39.78	4100	Valve	15065.47	Valve	50930.45	36	0.312	52	0.16	0.05	1.18	0.20	6:00	335	1069	769	649	0.44	1.19							1598	Metal Loss		
4857	MELO-CORR	YES	15067.4		18.23	21.55	39.78	4100	Valve	15067.4	Valve	50928.52	36	0.312	52	0.15	0.05	1.14	0.20	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4858	MELO-CORR	YES	15068.44		19.27	20.51	39.78	4100	Valve	15068.44	Valve	50927.48	36	0.312	52	0.18	0.06	1.14	0.24	0.249306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4860	CLUSTER	YES	15069.3		20.13	19.64	39.78	4100	Valve	15069.3	Valve	50926.62	36	0.312	52	0.18	0.06	4.00	1.73	0.245139	335	1025	738	649	0.45	1.15							1250	Unknown		
4863	MELO-CORR	YES	15071.3		22.13	17.65	39.78	4100	Valve	15071.3	Valve	50924.62	36	0.312	52	0.18	0.06	1.14	0.20	0.227778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
4864	MELO-CORR	YES	15075.27		26.1	13.68	39.78	4100	Valve	15075.27	Valve	50920.65	36	0.312	52	0.16	0.05	1.10	0.28	5:53	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4866	CLUSTER	YES	15076.68		27.51	12.26	39.78	4100	Valve	15076.68	Valve	50919.24	36	0.312	52	0.17	0.05	3.30	1.29	5:29	335	1038	747	649	0.45	1.16							1250	Unknown		
4868	MELO-CORR	YES	15076.94		27.77	12.01	39.78	4100	Valve	15076.94	Valve	50918.98	36	0.312	52	0.16	0.05	1.14	0.20	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4869	MELO-CORR	YES	15079.57		30.4	9.38	39.78	4100	Valve	15079.57	Valve	50916.35	36	0.312	52	0.15	0.05	1.14	0.20	0.248611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4870	MELO-CORR	YES	15082.87		33.7	6.08	39.78	4100	Valve	15082.87	Valve	50913.05	36	0.312	52	0.24	0.08	1.10	0.20	0.252778	335	1066	767	649	0.44	1.18							1598	Metal Loss		
4871	MELO-CORR	YES	15083.42		34.25	5.52	39.78	4100	Valve	15083.42	Valve	50912.5	36	0.312	52	0.22	0.07	1.10	0.20	5:58	335

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
4931	MELO-CORR	YES	15154.95		26.2	12.99	39.19	4120	Valve	15154.95	Valve	50840.97	36	0.312	52	0.17	0.05	1.22	0.47	6:09	335	1068	769	649	0.44	1.18							1598	Metal Loss		
4933	CLUSTER	YES	15156.22		27.47	11.72	39.19	4120	Valve	15156.22	Valve	50839.7	36	0.312	52	0.17	0.05	16.93	1.38	6:04	335	955	688	649	0.49	1.09							1250	Unknown		
4944	CLUSTER	YES	15158.13		29.38	9.81	39.19	4120	Valve	15158.13	Valve	50837.79	36	0.312	52	0.17	0.05	2.50	0.57	0.253472	335	1050	756	649	0.44	1.17							1250	Unknown		
4947	CLUSTER	YES	15158.88		30.13	9.07	39.19	4120	Valve	15158.88	Valve	50837.04	36	0.312	52	0.15	0.05	3.77	1.01	0.254861	335	1036	746	649	0.45	1.15							1250	Unknown		
4951	CLUSTER	YES	15159.48		30.73	8.46	39.19	4120	Valve	15159.48	Valve	50836.44	36	0.312	52	0.16	0.05	3.30	1.26	0.253472	335	1040	749	649	0.45	1.16							1250	Unknown		
4954	CLUSTER	YES	15160.42		31.67	7.52	39.19	4120	Valve	15160.42	Valve	50835.5	36	0.312	52	0.2	0.06	24.65	1.26	6:06	335	923	665	649	0.50	1.08							1250	Unknown		
4966	MELO-CORR	YES	15164.66		35.91	3.28	39.19	4120	Valve	15164.66	Valve	50831.26	36	0.312	52	0.16	0.05	1.06	0.98	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
4967	GirthWeld		15167.94		39.19	39.77	39.77	4130	Valve	15167.94	Valve	50827.98	36	0.312	52					0.471528	335			649									1250	Unknown		
4969	CLUSTER	YES	15173.98		6.04	33.73	39.77	4130	Valve	15173.98	Valve	50821.94	36	0.312	52	0.2	0.06	2.20	0.79	0.244444	335	1050	756	649	0.44	1.17							1250	Unknown		
4971	MELO-CORR	YES	15176.75		8.81	30.97	39.77	4130	Valve	15176.75	Valve	50819.17	36	0.312	52	0.16	0.05	1.14	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
4973	CLUSTER	YES	15176.98		9.04	30.73	39.77	4130	Valve	15176.98	Valve	50818.94	36	0.312	52	0.24	0.08	9.05	2.45	5:53	335	938	675	649	0.50	1.11							1250	Unknown		
4981	CLUSTER	YES	15179.12		11.18	28.59	39.77	4130	Valve	15179.12	Valve	50816.8	36	0.312	52	0.16	0.05	7.52	3.27	5:51	335	996	717	649	0.47	1.12							1250	Unknown		
4989	CLUSTER	YES	15180.5		12.56	27.21	39.77	4130	Valve	15180.5	Valve	50815.42	36	0.312	52	0.17	0.05	2.92	0.94	0.245833	335	1044	751	649	0.45	1.16							1250	Unknown		
4992	CLUSTER	YES	15182.92		14.98	24.79	39.77	4130	Valve	15182.92	Valve	50813	36	0.312	52	0.2	0.06	8.87	4.27	0.244444	335	964	694	649	0.48	1.11							1250	Unknown		
4999	CLUSTER	YES	15186.36		18.41	21.36	39.77	4130	Valve	15186.36	Valve	50809.57	36	0.312	52	0.19	0.06	4.98	1.20	0.252778	335	1007	725	649	0.46	1.13							1250	Unknown		
5004	CLUSTER	YES	15187.28		19.33	20.44	39.77	4130	Valve	15187.28	Valve	50808.64	36	0.312	52	0.2	0.06	30.56	3.02	5:51	335	918	661	649	0.51	1.07							1250	Unknown		
5024	CLUSTER	YES	15191.36		23.42	16.35	39.77	4130	Valve	15191.36	Valve	50804.56	36	0.312	52	0.18	0.06	11.68	1.38	5:57	335	962	693	649	0.48	1.09							1250	Unknown		
5030	GirthWeld		15207.71		39.77	39.3	39.3	4140	Valve	15207.71	Valve	50788.21	36	0.312	52					0.088889	335			649									1250	Unknown		
5031	GirthWeld		15247.01		39.3	39.36	39.36	4150	Valve	15247.01	Valve	50748.91	36	0.312	52					0.5	335			649									1250	Unknown		
5032	MELO-CORR	YES	15280.92		33.91	5.45	39.36	4150	Valve	15280.92	Valve	50715	36	0.312	52	0.15	0.05	1.22	0.16	0.250694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5033	GirthWeld		15286.37		39.36	39.76	39.76	4160	Valve	15286.37	Valve	50709.55	36	0.312	52					2:15	335			649									1250	Unknown		
5035	CLUSTER	YES	15303.89		17.52	22.24	39.76	4160	Valve	15303.89	Valve	50692.03	36	0.312	52	0.18	0.06	1.14	1.48	6:01	335	1068	769	649	0.44	1.18							1250	Unknown		
5038	CLUSTER	YES	15305.75		19.38	20.37	39.76	4160	Valve	15305.75	Valve	50690.17	36	0.312	52	0.15	0.05	8.06	3.65	0.24375	335	997	718	649	0.47	1.12							1250	Unknown		
5044	MELO-CORR	YES	15310.14		23.77	15.99	39.76	4160	Valve	15310.14	Valve	50685.78	36	0.312	52	0.16	0.05	1.18	0.20	0.247917	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5046	CLUSTER	YES	15313.35		26.98	12.78	39.76	4160	Valve	15313.35	Valve	50682.57	36	0.312	52	0.16	0.05	3.79	3.02	0.24375	335	1034	744	649	0.45	1.15							1250	Unknown		
5050	MELO-CORR	YES	15318.84		32.47	7.28	39.76	4160	Valve	15318.84	Valve	50677.08	36	0.312	52	0.16	0.05	1.10	0.20	6:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5052	CLUSTER	YES	15324.61		38.23	1.52	39.76	4160	Valve	15324.61	Valve	50671.32	36	0.312	52	0.16	0.05	10.56	2.70	5:52	335	979	705	649	0.48	1.10							1250	Unknown		
5059	GirthWeld		15326.13		39.76	39.45	39.45	4170	Valve	15326.13	Valve	50669.79	36	0.312	52					0.447917	335			649									1250	Unknown		
5061	CLUSTER	YES	15328.46		2.33	37.11	39.45	4170	Valve	15328.46	Valve	50667.46	36	0.312	52	0.18	0.06	4.37	0.32	0.25625	335	1019	734	649	0.46	1.14							1250	Unknown		
5064	CLUSTER	YES	15333.64		7.51	31.94	39.45	4170	Valve	15333.64	Valve	50662.28	36	0.312	52	0.16	0.05	3.56	1.13	0.250694	335	1036	746	649	0.45	1.16							1250	Unknown		
5067	CLUSTER	YES	15335.06		8.93	30.52	39.45	4170	Valve	15335.06	Valve	50660.86	36	0.312	52	0.15	0.05	9.67	2.36	5:54	335	989	712	649	0.47	1.11							1250	Unknown		
5073	MELO-CORR	YES	15336.2		10.07	29.38	39.45	4170	Valve	15336.2	Valve	50659.72	36	0.312	52	0.17	0.05	1.22	0.20	5:13	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5075	CLUSTER	YES	15337.61		11.48	27.97	39.45	4170	Valve	15337.61	Valve	50658.31	36	0.312	52	0.17	0.05	7.02	4.12	0.24375	335	994	716	649	0.47	1.12							1250	Unknown		
5085	CLUSTER	YES	15338.93		12.8	26.65	39.45	4170	Valve	15338.93	Valve	50656.99	36	0.312	52	0.16	0.05	10.15	1.82	0.248611	335	981	706	649	0.47	1.10							1250	Unknown		
5092	CLUSTER	YES	15340.73		14.6	24.84	39.45	4170	Valve	15340.73	Valve	50655.19	36	0.312	52	0.36	0.11	12.42	5.97	0.239583	335	831	598	649	0.56	1.05							1250	Unknown		
5105	CLUSTER	YES	15341.98		15.85	23.6	39.45	4170	Valve	15341.98	Valve	50653.94	36	0.312	52	0.16	0.05	1.37	1.42	5:55	335	1066	768	649	0.44	1.18							1250	Unknown		
5108	CLUSTER	YES	15342.78		16.65	22.79	39.45	4170	Valve	15342.78	Valve	50653.14	36	0.312	52	0.25	0.08	7.76	0.47	6:00	335	943	679	649	0.49	1.10							1250	Unknown		
5113	CLUSTER	YES	15343.66		17.53	21.92	39.45	4170	Valve	15343.66	Valve	50652.26	36	0.312	52	0.16	0.05	15.22	3.21	0.241667	335	966	695	649	0.48	1.09							1250	Unknown		
5128	CLUSTER	YES	15345.13		19	20.45	39.45	4170	Valve	15345.13	Valve	50650.79	36	0.312	52	0.21	0.07	2.62	1.60	0.252778	335	1041	750	649	0.45	1.16							1250	Unknown		
5132	CLUSTER	YES	15346.16		20.03	19.42	39.45	4170	Valve	15346.16	Valve	50649.76	36	0.312	52	0.2	0.06	7.96	2.67	0.243056	335	970	699	649	0.48	1.11							1250	Unknown		
5138	MELO-CORR	YES	15346.71		20.58	18.87	39.45	4170	Valve	15346.71	Valve	50649.21	36	0.312	52	0.15	0.05	1.10	0.28	5:28	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5140	CLUSTER	YES	15347.43		21.3	18.15	39.45	4170	Valve	15347.43	Valve	50648.49	36	0.312	52	0.16	0.05	6.47	1.23	5:57	335	1004	723	649	0.46	1.13							1250	Unknown		
5145	CLUSTER	YES	15348.19		22.06	17.39	39.45	4170	Valve	15348.19	Valve	50647.73	36	0.312	52	0.19	0.06	1.34	1.48	0.229861	335	1065	767	649	0.44	1.18							1250	Unknown		
5148	CLUSTER	YES	15348.47		22.34	17.11	39.45	4170	Valve	15348.47	Valve	50647.45	36	0.312	52	0.16	0.05	4.93	0.60	0.229167	335	1019	734	649	0.46	1.14							1250	Unknown		
5151	MELO-CORR	YES	15349.65		23.52	15.92	39.45	4170	Valve	15349.65	Valve	50646.27	36	0.312	52	0.2	0.06	1.10	0.59	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5152	MELO-CORR	YES	15349.65		23.52	15.92	39.45	4170	Valve	15349.65	Valve	50646.27	36	0.312	52	0.15	0.05	1.14	0.20	5:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5153	MELO-CORR	YES	15350.73		24.6	14.85	39.45	4170	Valve	15350.73	Valve	50645.19	36	0.312	52	0.15	0.05	1.14	0.35	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5154	MELO-CORR	YES	15351.83		25.7	13.74	39.45	4170	Valve	15351.83	Valve	50644.09	36	0.312	52	0.2	0.06	1.10	0.55	0.222917	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5155	MELO-CORR	YES	15352.63		26.5	12.94	39.45	4170	Valve	15352.63	Valve	50643.29	36	0.312	52	0.15	0.05	1.18	0.24	0.216667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5156	MELO-CORR	YES	15352.79		26.66	12.79	39.45	4170	Valve	15352.79	Valve	50643.13	36	0.312	52	0.19	0.06	1.10	0.16	0.265278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5158	CLUSTER	YES	15354.7		28.57	10.88	39.45	4170	Valve	15354.7	Valve	50641.22	36	0.312	52	0.16	0.05	3.97	2.17	6:00	335	1031	742	649	0.45	1.15							1250	Unknown		
5162	CLUSTER	YES	15356.1		29.97	9.48	39.45	4170	Valve	15356.1	Valve	50639.82	36	0.312	52	0.15	0.05	2.78	1.98	5:48	335	1049	756	649	0.44	1.17							1250	Unknown		
5165	CLUSTER	YES	15356.75		30.62	8.82	39.45	4170	Valve	15356.75	Valve	50639.17	36	0.312	52	0.18	0.06	4.73	1.32	0.245833	335	1014	730	649	0.46	1.14							1250	Unknown		
5170	CLUSTER	YES	15357.74		31.61	7.84	39.45	4170	Valve	15357.74	Valve	50638.18	36	0.312	52	0.17	0.05	8.51	3.33	0.246528	335	984	708	649	0.47	1.11							1250	Unknown		
5178	CLUSTER	YES	15361.17		35.04	4.4	39.45	4170	Valve	15361.17	Valve	50634.75	36	0.312	52	0.15	0.05	1.36	1.26	0.247917	335	1067	769	649	0.44	1.18							1250	Unknown		
5180	MELO-CORR	YES	15362.22		36.09	3.36	39.45	4170	Valve	15362.22	Valve	50633.7	36	0.312	52	0.15	0.05	1.10	0.16	6:04	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5181	MELO-CORR	YES	15362.34		36.21	3.24	39.45	4170	Valve	15362.34	Valve	50633.58	36	0.312	52	0.15	0.05	1.22	0.39	5:47	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5182	MELO-CORR	YES	15362.55		36.42	3.02	39.45	4170	Valve	15362.55	Valve	50633.37	36	0.312	52	0.17	0.05	1.10	0.24	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5184	CLUSTER	YES	15364.55		38.42	1.02	39.45	4170	Valve	15364.55	Valve	50631.37	36	0.312	52	0.21	0.07	6.04	2.29	0.241667	335	984	709	649	0.47	1.13							1250	Unknown		
5188	GirthWeld		15365.58		39.45	39.79	39.79	4180	Valve	15365.58	Valve	50630.34	36	0.312	52					0.060417	335			649									1250	Unknown		
5190	CLUSTER	YES	15365.86		0.28	39.51	39.79	4180	Valve	15365.86	Valve	50630.06	36	0.312	52	0.15	0.05	6.48	5.63	5:39	335	1008	726	649	0.46	1.12							1250	Unknown		
5195	MELO-CORR	YES	15366.64		1.06	38.73	39.79	4180	Valve	15366.64	Valve	50629.28	36	0.312	52	0.21	0.07	1.18	0.35	6:02	335	1066	768	649	0.44	1.18							1598	Metal Loss		
5196	MELO-CORR	YES	15366.83		1.25	38.53	39.79	4180	Valve	15366.83	Valve	50629.09	36	0.312	52	0.23	0.07	1.22	0.20	0.233333	335	1065	766	649	0.44	1.18							1598	Metal Loss		
5198	CLUSTER	YES	15366.84		1.26	38.53	39.79	4180	Valve	15366.84	Valve	50629.08	36	0.312	52	0.17	0.05	6.04	0.88	0.248611	335	1003	722	649	0.46	1.13							1250	Unknown		
5202	CLUSTER	YES	15367.56		1.98	37.81	39.79	4180	Valve	15367.56	Valve	50628.36	36	0.312	52	0.22	0.07	4.45	3.83	0.246528	335	1003	722	649	0.46	1.14							1250	Unknown		
5205	CLUSTER	YES	15367.8		2.22	37.57	39.79	4180	Valve	15367.8	Valve	50628.12	36	0.312	52	0.16	0.05	3.06	0.82	5:35	335	1043	751	649	0.45	1.16							1250	Unknown		
5209	CLUSTER	YES	15368.08		2.5	37.29	39.79	4180	Valve	15368.08	Valve	50627.85	36	0.312	52	0.21	0.07	1.46	0.72	6:01	335	1062	765	649	0.44	1.18							1250	Unknown		
5211	MELO-CORR	YES	15368.28		2.7	37.09	39.79	4180	Valve	15368.28	Valve	50627.64	36	0.312	52	0.19	0.06	1.10	0.47	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5213	CLUSTER	YES	15369.31		3.73	36.06	39.79	4180	Valve	15369.31	Valve	50626.61	36	0.312	52	0.22	0.07	2.89	3.08	0.252083	335	1034	744	649	0.45	1.15							1250	Unknown		
5217	CLUSTER	YES	15369.62		4.04	35.75	39.79	4180	Valve	15369.62	Valve	50626.3	36	0.312	52	0.23	0.07	3.16	2.17	0.264583	335	1026	738	649	0.45	1.15							1250	Unknown		
5220	MELO-CORR	YES	15369.85		4.27	35.52	39.79	4180	Valve	15369.85	Valve	50626.07	36	0.312	52	0.17	0.05	1.18	0.16	6:03	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5222	CLUSTER	YES	15369.9		4.32	35.47	39.79	4180	Valve	15369.9	Valve	50626.02	36	0.312	52	0.19	0.06	1.98	0.91	5:41	335	1056	760	649	0.44	1.17							1250	Unknown		
5224	MELO-CORR	YES	15371.2		5.62	34.17	39.79	4180	Valve	15371.2	Valve	50624.72	36	0.312	52	0.21	0.07	1.10	0.28	0.259028	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5226	CLUSTER	YES	15371.91		6.33	33.46	39.79	4180	Valve	15371.91	Valve	50624.01	36	0.312	52	0.19	0.06	2.68	0.41	0.250694	335	1044	751	649	0.45	1.17							1250	Unknown		
5228	MELO-CORR	YES	15373.84		8.26	31.53	39.79	4180	Valve	15373.84	Valve	50622.08	36	0.312	52	0.16	0.05	1.18	0.16	0.261111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5230	CLUSTER	YES	15374.07		8.49	31.3	39.79	4180	Valve	15374.07	Valve	50621.85	36	0.312	52	0.24	0.08	11.29	3.74	5:47	335	923	665	649	0.50	1.09							1250	Unknown		
5239	CLUSTER	YES	15375.82		10.24	29.55	39.79	4180	Valve	15375.82	Valve	50620.1	36	0.312	52	0.2	0.06	6.97	1.35	5:58	335	979	705	649	0.48	1.11							1250	Unknown		
5244	MELO-CORR	YES	15377.32		11.74	28.05	39.79	4180	Valve	15377.32	Valve	50618.6	36	0.312	52	0.17	0.05	1.10	0.16	0.209722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5246	CLUSTER	YES	15379.39		13.81	25.98	39.79	4180	Valve	15379.39	Valve	50616.53	36	0.312	52	0.15	0.05	10.13	2.26	0.246528	335	987	711	649	0.47	1.10							1250	Unknown		
5251	MELO-CORR	YES	15380.74		15.16	24.63	39.79	4180	Valve	15380.74	Valve	50615.18	36	0.312	52	0.18	0.06	1.10	0.20	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5253	CLUSTER	YES	15381.9		16.32	23.47	39.79	4180	Valve	15381.9	Valve	50614.02	36	0.312	52	0.15	0.05	5.12	1.01	6:04	335	1021	735	649	0.46	1.14							1250	Unknown		
5256	MELO-CORR	YES	15383.54		17.96	21.83	39.79	4180	Valve	15383.54	Valve	50612.38	36	0.312	52	0.18	0.06	1.14	0.67	5:47	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5258	CLUSTER	YES	15384.13		18.55	21.24	39.79	4180	Valve	15384.13	Valve	50611.79	36	0.312	52	0.18	0.06	3.47	3.83	0.240278	335	1033	744	649	0.45	1.15							1250	Unknown		
5262	CLUSTER	YES	15391.42		25.84	13.95	39.79	4180	Valve	15391.42	Valve	50604.5	36	0.312	52	0.24	0.08	4.15	1.89	0.236806	335	1002	721	649	0.46	1.14							1250	Unknown		
5267	CLUSTER	YES	15391.99		26.41	13.38	39.79	4180	Valve	15391.99	Valve	50603.93	36	0.312	52	0.17	0.05	5.78	2.14	0.248611	335	1006	724	649	0.46	1.13							1250	Unknown		
5272	CLUSTER	YES	15393.32		27.74	12.05	39.79	4180	Valve	15393.32	Valve	50602.6	36	0.312	52	0.15	0.05	3.31	1.32	6:03	335	1043	751	649	0.45	1.16							1250	Unknown		
5276	CLUSTER	YES	15396.28		30.7	9.09	39.79	4180	Valve	15396.28	Valve	50599.64	36	0.312	52	0.2	0.06	7.99	2.45	5:54	335	970	698	649	0.48	1.11							1250	Unknown		
5281	MELO-CORR	YES	15402.38		36.8	2.99	39.79	4180	Valve	15402.38	Valve	50593.54	36	0.312	52	0.17	0.05	1.10	0.20	0.209028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5283	CLUSTER	YES	15403.67		38.09	1.7	39.79	4180	Valve	15403.67	Valve	50592.25	36	0.312	52	0.15	0.05	13.08	3.24	0.243056	335	978	704	649	0.48	1.09							1250	Unknown		
5291	GirthWeld		15405.37		39.79	39.76	39.76	4190	Valve	15405.37	Valve	50590.55	36	0.312	52					0.443056	335			649									1250	Unknown		
5292	MELO-CORR	YES	15437.49		32.12	7.64	39.76	4190	Valve	15437.49	Valve	50558.43	36	0.312	52	0.15	0.05	1.10	0.20	5:40	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5293	GirthWeld		15445.13		39.76	39.8	39.8	4200	Valve	15445.13	Valve	50550.79	36	0.312	52					1:54	335			649									1250	Unknown		
5294	MELO-CORR	YES	15447.26		2.13	37.67	39.8	4200	Valve	15447.26	Valve	50548.66	36	0.312	52	0.16	0.05	1.14	0.20	0.233333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5295	MELO-CORR	YES	15467.38		22.25	17.55	39.8	4200	Valve	15467.38	Valve	50528.54	36	0.312	52	0.15	0.05	1.10	0.20	0.251389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5296	GirthWeld		15484.93		39.8	39.53	39.53	4210	Valve	15484.93	Valve	50510.99	36	0.312	52					0.458333	335			649									1250	Unknown		
5298	CLUSTER	YES	15506.78		21.85	17.67	39.53	4210	Valve	15506.78	Valve	50489.14	36	0.312	52	0.17	0.05	10.52	1.20	5:53	335	973	701	649	0.48	1.10							1250	Unknown		
5304	CLUSTER	YES	15508.1		23.17	16.36	39.53	4210	Valve	15508.1	Valve	50487.82	36	0.312	52	0.15	0.05	5.87	3.27	5:53	335	1014	730	649

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
5362	CLUSTER	YES	15981.59		26.17	10.04	36.2	4330	Valve	15981.59	Valve	50014.33	36	0.312	52	0.24	0.08	2.92	0.85	5:57	335	1028	740	649	0.45	1.15							1250	Unknown		
5364	MELO-CORR	YES	15986.68		31.26	4.95	36.2	4330	Valve	15986.68	Valve	50009.24	36	0.312	52	0.21	0.07	1.22	0.20	5:45	335	1066	767	649	0.44	1.18							1598	Metal Loss		
5365	MELO-CORR	YES	15990.45		35.03	1.18	36.2	4330	Valve	15990.45	Valve	50005.47	36	0.312	52	0.16	0.05	1.14	0.20	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5366	GirthWeld		15991.63		36.21	39.77	39.77	4340	Valve	15991.63	Valve	50004.29	36	0.312	52					0.096528	335			649									1250	Unknown		
5368	CLUSTER	YES	16016.48		24.85	14.92	39.77	4340	Valve	16016.48	Valve	49979.44	36	0.312	52	0.15	0.05	6.54	2.83	0.249306	335	1008	726	649	0.46	1.13							1250	Unknown		
5374	CLUSTER	YES	16020.38		28.75	11.01	39.77	4340	Valve	16020.38	Valve	49975.54	36	0.312	52	0.15	0.05	2.82	0.38	5:58	335	1049	755	649	0.44	1.17							1250	Unknown		
5376	MELO-CORR	YES	16021.1		29.47	10.3	39.77	4340	Valve	16021.1	Valve	49974.82	36	0.312	52	0.15	0.05	1.10	0.20	5:38	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5378	CLUSTER	YES	16022.97		31.34	8.43	39.77	4340	Valve	16022.97	Valve	49972.95	36	0.312	52	0.19	0.06	2.06	2.61	0.251389	335	1054	759	649	0.44	1.17							1250	Unknown		
5381	GirthWeld		16031.4		39.77	39.71	39.71	4350	Valve	16031.4	Valve	49964.52	36	0.312	52					0.488194	335			649									1250	Unknown		
5382	MELO-CORR	YES	16033.16		1.76	37.95	39.71	4350	Valve	16033.16	Valve	49962.76	36	0.312	52	0.15	0.05	1.18	0.28	0.272222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5383	MELO-CORR	YES	16044.12		12.72	26.99	39.71	4350	Valve	16044.12	Valve	49951.8	36	0.312	52	0.19	0.06	1.10	0.20	7:25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5384	MELO-CORR	YES	16048.08		16.68	23.03	39.71	4350	Valve	16048.08	Valve	49947.84	36	0.312	52	0.16	0.05	1.22	0.24	6:51	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5386	CLUSTER	YES	16048.93		17.53	22.17	39.71	4350	Valve	16048.93	Valve	49946.99	36	0.312	52	0.15	0.05	3.22	0.60	0.254861	335	1044	751	649	0.45	1.16							1250	Unknown		
5389	CLUSTER	YES	16049.15		17.75	21.96	39.71	4350	Valve	16049.15	Valve	49946.77	36	0.312	52	0.15	0.05	2.27	0.57	0.284028	335	1056	760	649	0.44	1.17							1250	Unknown		
5392	CLUSTER	YES	16049.82		18.42	21.28	39.71	4350	Valve	16049.82	Valve	49946.1	36	0.312	52	0.15	0.05	6.35	1.89	0.28125	335	1010	727	649	0.46	1.13							1250	Unknown		
5396	MELO-CORR	YES	16054.85		23.45	16.26	39.71	4350	Valve	16054.85	Valve	49941.07	36	0.312	52	0.15	0.05	1.10	0.16	6:02	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5398	CLUSTER	YES	16055.1		23.7	16.01	39.71	4350	Valve	16055.1	Valve	49940.82	36	0.312	52	0.19	0.06	2.06	0.85	5:59	335	1054	759	649	0.44	1.17							1250	Unknown		
5401	CLUSTER	YES	16059.5		28.1	11.6	39.71	4350	Valve	16059.5	Valve	49936.42	36	0.312	52	0.15	0.05	13.14	2.26	0.24375	335	977	704	649	0.48	1.09							1250	Unknown		
5412	CLUSTER	YES	16061.45		30.05	9.66	39.71	4350	Valve	16061.45	Valve	49934.47	36	0.312	52	0.23	0.07	2.47	0.60	0.248611	335	1040	749	649	0.45	1.16							1250	Unknown		
5415	CLUSTER	YES	16062.16		30.76	8.95	39.71	4350	Valve	16062.16	Valve	49933.76	36	0.312	52	0.21	0.07	8.27	1.16	0.247222	335	962	693	649	0.48	1.11							1250	Unknown		
5420	MELO-CORR	YES	16063.47		32.07	7.64	39.71	4350	Valve	16063.47	Valve	49932.45	36	0.312	52	0.21	0.07	1.10	0.39	6:02	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5422	CLUSTER	YES	16063.72		32.32	7.39	39.71	4350	Valve	16063.72	Valve	49932.2	36	0.312	52	0.22	0.07	3.06	0.63	5:58	335	1030	741	649	0.45	1.15							1250	Unknown		
5424	MELO-CORR	YES	16065.02		33.62	6.09	39.71	4350	Valve	16065.02	Valve	49930.9	36	0.312	52	0.16	0.05	1.10	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5426	CLUSTER	YES	16065.51		34.11	5.6	39.71	4350	Valve	16065.51	Valve	49930.41	36	0.312	52	0.21	0.07	2.90	3.17	0.24375	335	1035	745	649	0.45	1.16							1250	Unknown		
5429	MELO-CORR	YES	16067.34		35.94	3.77	39.71	4350	Valve	16067.34	Valve	49928.58	36	0.312	52	0.15	0.05	1.18	0.51	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5430	GirthWeld		16071.11		39.71	39.71	39.71	4360	Valve	16071.11	Valve	49924.81	36	0.312	52					1:40	335			649									1250	Unknown		
5432	CLUSTER	YES	16072.18		1.07	38.64	39.71	4360	Valve	16072.18	Valve	49923.74	36	0.312	52	0.19	0.06	4.79	3.21	5:49	335	1009	727	649	0.46	1.14							1250	Unknown		
5436	CLUSTER	YES	16073.5		2.39	37.32	39.71	4360	Valve	16073.5	Valve	49922.42	36	0.312	52	0.15	0.05	1.91	2.11	0.248611	335	1061	764	649	0.44	1.18							1250	Unknown		
5439	CLUSTER	YES	16073.83		2.72	36.98	39.71	4360	Valve	16073.83	Valve	49922.09	36	0.312	52	0.17	0.05	9.32	4.31	0.240972	335	979	705	649	0.48	1.10							1250	Unknown		
5448	CLUSTER	YES	16078.63		7.52	32.18	39.71	4360	Valve	16078.63	Valve	49917.29	36	0.312	52	0.19	0.06	2.08	1.01	0.24375	335	1054	759	649	0.44	1.17							1250	Unknown		
5450	MELO-CORR	YES	16079.13		8.02	31.69	39.71	4360	Valve	16079.13	Valve	49916.79	36	0.312	52	0.15	0.05	1.10	0.20	5:56	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5452	CLUSTER	YES	16083.23		12.12	27.59	39.71	4360	Valve	16083.23	Valve	49912.69	36	0.312	52	0.15	0.05	4.63	1.07	5:50	335	1026	739	649	0.45	1.14							1250	Unknown		
5456	CLUSTER	YES	16085.32		14.21	25.5	39.71	4360	Valve	16085.32	Valve	49910.6	36	0.312	52	0.17	0.05	12.32	1.10	0.243056	335	966	696	649	0.48	1.10							1250	Unknown		
5461	MELO-CORR	YES	16086.52		15.41	24.29	39.71	4360	Valve	16086.52	Valve	49909.4	36	0.312	52	0.17	0.05	1.18	0.20	0.240972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5463	CLUSTER	YES	16092.37		21.25	18.45	39.71	4360	Valve	16092.37	Valve	49903.56	36	0.312	52	0.16	0.05	6.41	1.54	0.240972	335	1004	723	649	0.46	1.13							1250	Unknown		
5468	CLUSTER	YES	16096.28		25.17	14.53	39.71	4360	Valve	16096.28	Valve	49899.64	36	0.312	52	0.17	0.05	5.03	1.13	5:50	335	1014	730	649	0.46	1.14							1250	Unknown		
5471	MELO-CORR	YES	16099.38		28.27	11.43	39.71	4360	Valve	16099.38	Valve	49896.54	36	0.312	52	0.17	0.05	1.22	0.20	5:56	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5473	CLUSTER	YES	16100.18		29.07	10.64	39.71	4360	Valve	16100.18	Valve	49895.74	36	0.312	52	0.15	0.05	3.80	3.21	0.243056	335	1036	746	649	0.45	1.15							1250	Unknown		
5476	MELO-CORR	YES	16100.58		29.47	10.23	39.71	4360	Valve	16100.58	Valve	49895.33	36	0.312	52	0.18	0.06	1.18	0.20	0.257639	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5478	CLUSTER	YES	16101.7		30.59	9.11	39.71	4360	Valve	16101.7	Valve	49894.22	36	0.312	52	0.15	0.05	6.25	3.74	0.242361	335	1010	727	649	0.46	1.13							1250	Unknown		
5484	CLUSTER	YES	16102.68		31.57	8.14	39.71	4360	Valve	16102.68	Valve	49893.24	36	0.312	52	0.17	0.05	6.79	2.08	5:56	335	996	717	649	0.47	1.12							1250	Unknown		
5486	MELO-CORR	YES	16103.04		31.93	7.78	39.71	4360	Valve	16103.04	Valve	49892.88	36	0.312	52	0.15	0.05	1.22	0.20	5:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5487	MELO-CORR	YES	16103.35		32.24	7.46	39.71	4360	Valve	16103.35	Valve	49892.57	36	0.312	52	0.15	0.05	1.22	0.16	0.247222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5488	MELO-CORR	YES	16103.67		32.56	7.14	39.71	4360	Valve	16103.67	Valve	49892.25	36	0.312	52	0.18	0.06	3.62	0.20	0.24375	335	1030	742	649	0.45	1.14							1598	Metal Loss		
5490	CLUSTER	YES	16104.07		32.96	6.75	39.71	4360	Valve	16104.07	Valve	49891.85	36	0.312	52	0.2	0.06	2.92	0.47	0.242361	335	1037	747	649	0.45	1.16							1250	Unknown		
5493	CLUSTER	YES	16105.06		33.95	5.75	39.71	4360	Valve	16105.06	Valve	49890.86	36	0.312	52	0.24	0.08	5.38	3.24	5:49	335	979	705	649	0.48	1.12							1250	Unknown		
5500	CLUSTER	YES	16106.5		35.39	4.32	39.71	4360	Valve	16106.5	Valve	49889.42	36	0.312	52	0.23	0.07	7.49	2.92	5:50	335	958	690	649	0.49	1.10							1250	Unknown		
5506	MELO-CORR	YES	16107.28		36.17	3.53	39.71	4360	Valve	16107.28	Valve	49888.64	36	0.312	52	0.2	0.06	1.22	0.20	0.247222	335	1066	768	649	0.44	1.18							1598	Metal Loss		
5508	CLUSTER	YES	16107.57		36.46	3.25	39.71	4360	Valve	16107.57	Valve	49888.35	36	0.312	52	0.17	0.05	4.61	2.26	0.247222	335	1019	734	649	0.46	1.14							1250	Unknown		
5511	MELO-CORR	YES	16108.51		37.4	2.3	39.71	4360	Valve	16108.51	Valve	49887.41	36	0.312	52	0.17	0.05	1.22	0.20	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5513	CLUSTER	YES	16109.19		38.08	1.63	39.71	4360	Valve	16109.19	Valve	49886.73	36	0.312	52	0.19	0.06	5.48	0.44	6:07	335	1000	720	649	0.47	1.11							1250	Unknown		
5516	MELO-CORR	YES	16110.3		39.19	0.52	39.71	4360	Valve	16110.3	Valve	49885.62	36	0.312	52	0.19	0.06	1.14	0.20	6:08	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5517	GirthWeld		16110.82		39.7	39.75	39.75	4370	Valve	16110.82	Valve	49885.1	36	0.312	52					0.46875	335			649									1250	Unknown		
5519	CLUSTER	YES	16110.89		0.07	39.68	39.75	4370	Valve	16110.89	Valve	49885.03	36	0.312	52	0.2	0.06	5.02	0.50	0.252778	335	1002	722	649	0.46	1.12							1250	Unknown		
5522	CLUSTER	YES	16111.68		0.86	38.89	39.75	4370	Valve	16111.68	Valve	49884.24	36	0.312	52	0.16	0.05	9.13	2.33	0.24375	335	986	710	649	0.47	1.10							1250	Unknown		
5526	MELO-CORR	YES	16112.64		1.82	37.93	39.75	4370	Valve	16112.64	Valve	49883.28	36	0.312	52	0.19	0.06	1.18	0.20	7:17	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5527	MELO-CORR	YES	16116.95		6.13	33.62	39.75	4370	Valve	16116.95	Valve	49878.97	36	0.312	52	0.18	0.06	1.18	0.24	6:03	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5529	CLUSTER	YES	16117.19		6.37	33.38	39.75	4370	Valve	16117.19	Valve	49878.73	36	0.312	52	0.17	0.05	9.46	0.85	0.25	335	978	704	649	0.48	1.10							1250	Unknown		
5533	MELO-CORR	YES	16117.73		6.91	32.84	39.75	4370	Valve	16117.73	Valve	49878.19	36	0.312	52	0.15	0.05	1.18	0.24	0.200694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5535	CLUSTER	YES	16120.86		10.04	29.71	39.75	4370	Valve	16120.86	Valve	49875.06	36	0.312	52	0.19	0.06	13.16	2.64	0.247222	335	950	684	649	0.49	1.08							1250	Unknown		
5546	CLUSTER	YES	16122.31		11.49	28.26	39.75	4370	Valve	16122.31	Valve	49873.61	36	0.312	52	0.18	0.06	7.82	1.23	5:49	335	983	707	649	0.47	1.10							1250	Unknown		
5550	MELO-CORR	YES	16123.97		13.15	26.6	39.75	4370	Valve	16123.97	Valve	49871.95	36	0.312	52	0.25	0.08	1.38	0.20	5:56	335	1061	764	649	0.44	1.18							1598	Metal Loss		
5552	CLUSTER	YES	16125.64		14.82	24.93	39.75	4370	Valve	16125.64	Valve	49870.28	36	0.312	52	0.25	0.08	3.50	0.32	0.247222	335	1012	729	649	0.46	1.15							1250	Unknown		
5555	CLUSTER	YES	16126.92		16.1	23.65	39.75	4370	Valve	16126.92	Valve	49869	36	0.312	52	0.19	0.06	2.35	0.41	0.255556	335	1049	755	649	0.44	1.17							1250	Unknown		
5558	CLUSTER	YES	16130.39		19.57	20.18	39.75	4370	Valve	16130.39	Valve	49865.53	36	0.312	52	0.19	0.06	9.18	2.17	0.238889	335	968	697	649	0.48	1.11							1250	Unknown		
5563	CLUSTER	YES	16134.49		23.67	16.08	39.75	4370	Valve	16134.49	Valve	49861.43	36	0.312	52	0.15	0.05	5.92	3.52	5:56	335	1013	730	649	0.46	1.13							1250	Unknown		
5569	CLUSTER	YES	16137.7		26.88	12.86	39.75	4370	Valve	16137.7	Valve	49858.22	36	0.312	52	0.16	0.05	4.09	0.91	5:51	335	1029	741	649	0.45	1.15							1250	Unknown		
5571	MELO-CORR	YES	16142.31		31.49	8.26	39.75	4370	Valve	16142.31	Valve	49853.61	36	0.312	52	0.16	0.05	1.10	0.20	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5572	GirthWeld		16150.57		39.75	39.72	39.73	4380	Valve	16150.57	Valve	49845.35	36	0.312	52					0.071528	335			649									1250	Unknown		
5573	GirthWeld		16190.29		39.72	39.68	39.67	4390	Valve	16190.29	Valve	49805.63	36	0.312	52					0.456944	335			649									1250	Unknown		
5574	MELO-CORR	YES	16192.26		1.97	37.71	39.67	4390	Valve	16192.26	Valve	49803.66	36	0.312	52	0.17	0.05	1.14	0.20	5:10	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5575	GirthWeld		16229.97		39.68	39.72	39.72	4400	Valve	16229.97	Valve	49765.95	36	0.312	52					2:06	335			649									1250	Unknown		
5576	GirthWeld		16269.69		39.72	39.66	39.66	4410	Valve	16269.69	Valve	49726.23	36	0.312	52					0.484722	335			649									1250	Unknown		
5577	MELO-CORR	YES	16276.45		6.76	32.9	39.66	4410	Valve	16276.45	Valve	49719.47	36	0.312	52	0.15	0.05	1.10	0.20	0.277778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5579	CLUSTER	YES	16279.17		9.48	30.18	39.66	4410	Valve	16279.17	Valve	49716.75	36	0.312	52	0.15	0.05	3.82	1.42	0.252083	335	1036	746	649	0.45	1.15							1250	Unknown		
5582	MELO-CORR	YES	16280.84		11.15	28.51	39.66	4410	Valve	16280.84	Valve	49715.08	36	0.312	52	0.15	0.05	1.10	0.20	5:42	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5583	MELO-CORR	YES	16282.08		12.39	27.27	39.66	4410	Valve	16282.08	Valve	49713.84	36	0.312	52	0.15	0.05	1.10	0.16	6:20	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5585	CLUSTER	YES	16282.21		12.52	27.14	39.66	4410	Valve	16282.21	Valve	49713.71	36	0.312	52	0.17	0.05	4.37	1.23	0.250694	335	1022	736	649	0.46	1.15							1250	Unknown		
5589	CLUSTER	YES	16284.63		14.94	24.72	39.66	4410	Valve	16284.63	Valve	49711.29	36	0.312	52	0.15	0.05	3.23	1.07	0.251389	335	1044	751	649	0.45	1.16							1250	Unknown		
5592	MELO-CORR	YES	16287.72		18.03	21.63	39.66	4410	Valve	16287.72	Valve	49708.2	36	0.312	52	0.16	0.05	1.14	0.20	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5594	CLUSTER	YES	16289.7		20.01	19.65	39.66	4410	Valve	16289.7	Valve	49706.22	36	0.312	52	0.17	0.05	5.33	4.37	5:56	335	1011	728	649	0.46	1.13							1250	Unknown		
5599	CLUSTER	YES	16291.5		21.81	17.85	39.66	4410	Valve	16291.5	Valve	49704.42	36	0.312	52	0.24	0.08	2.36	0.41	6:35	335	1041	749	649	0.45	1.16							1250	Unknown		
5602	CLUSTER	YES	16292.22		22.53	17.13	39.66	4410	Valve	16292.22	Valve	49703.7	36	0.312	52	0.2	0.06	6.58	2.01	0.265972	335	983	708	649	0.47	1.12							1250	Unknown		
5606	MELO-CORR	YES	16294.08		24.39	15.27	39.66	4410	Valve	16294.08	Valve	49701.84	36	0.312	52	0.15	0.05	1.14	0.28	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5608	CLUSTER	YES	16297.05		27.36	12.3	39.66	4410	Valve	16297.05	Valve	49698.87	36	0.312	52	0.2	0.06	5.08	2.08	0.265278	335	1001	721	649	0.46	1.13							1250	Unknown		
5612	CLUSTER	YES	16298.92		29.23	10.42	39.66	4410	Valve	16298.92	Valve	49697	36	0.312	52	0.16	0.05	1.21	1.82	6:23	335	1068	769	649	0.44	1.18							1250	Unknown		
5615	CLUSTER	YES	16300.04		30.35	9.31	39.66	4410	Valve	16300.04	Valve	49695.88	36	0.312	52	0.2	0.06	3.32	0.88	6:29	335	1030	742	649	0.45	1.15							1250	Unknown		
5617	MELO-CORR	YES	16304		34.31	5.35	39.66	4410	Valve	16304	Valve	49691.92	36	0.312	52	0.15	0.05	1.14	0.20	0.265972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5619	CLUSTER	YES	16306.12		36.43	3.23	39.66	4410	Valve	16306.12	Valve	49689.8	36	0.312	52	0.21	0.07	1.79	1.04	0.245833	335	1057	761	649	0.44	1.18							1250	Unknown		
5622	CLUSTER	YES	16307.71		38.02	1.64	39.66	4410	Valve	16307.71	Valve	49688.21	36	0.312	52	0.21	0.07	6.32	2.58	0.247917	335	981	706	649	0.47	1.12							1250	Unknown		
5626	GirthWeld		16309.35		39.66	39.74	39.74	4420	Valve	16309.35	Valve	49686.57	36	0.312	52					1:32	335			649									1250	Unknown		
5628	CLUSTER	YES	16310.77		1.42	38.33	39.74	4420	Valve	16310.77	Valve	49685.15	36	0.312	52	0.18	0.06	2.68	0.47	5:32	335	1046	753	649	0.45	1.17							1250	Unknown		
5630	MELO-CORR	YES	16311.21		1.85	37.89	39.74	4420	Valve	16311.21	Valve	49684.71	36	0.312	52	0.18	0.06	1.22	0.20	0.214583	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5632	CLUSTER	YES	16316.29		6.94	32.8	39.74	4420	Valve	16316.29	Valve	49679.63	36	0.312	52	0.16	0.05	3.10	1.23	0.230556	335	1043	751	649	0.45	1.16							1250	Unknown		
5634	MELO-CORR	YES	16336.72		27.37	12.37	39.74	4420	Valve	16336.72	Valve	49659.2	36	0.312	52	0.17	0.05	1.10	0.63	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5635	GirthWeld		16349.09		39.74	39.33	39.33	4430	Valve	16349.09	Valve	49646.83	36	0.312	52					10:49	335			649									1250	Unknown		
5637	CLUSTER	YES	16349.67		0.58	38.75	39.33	4430	Valve	16349.67	Valve	49646.25	36	0.312	52	0.18	0.06	4.15	1.95	5:41	335	1022	736	649	0.46	1.15						

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
								Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)							(feet)					
5756	GirthWeld		16465.33		38.95	39.75	39.74	4460	Valve	16465.33	Valve	49530.59	36	0.312	52					2:02	335			649									1250	Unknown		
5757	MELO-CORR	YES	16470.86		5.53	34.22	39.74	4460	Valve	16470.86	Valve	49525.06	36	0.312	52	0.15	0.05	1.10	0.16	6:27	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5758	MELO-CORR	YES	16472.25		6.92	32.83	39.74	4460	Valve	16472.25	Valve	49523.67	36	0.312	52	0.15	0.05	1.10	0.20	0.275	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5760	CLUSTER	YES	16473.3		7.97	31.78	39.74	4460	Valve	16473.3	Valve	49522.62	36	0.312	52	0.15	0.05	35.20	5.53	0.242361	335	956	688	649	0.49	1.07							1250	Unknown		
5788	CLUSTER	YES	16478.29		12.96	26.79	39.74	4460	Valve	16478.29	Valve	49517.63	36	0.312	52	0.15	0.05	3.72	0.32	0.247917	335	1037	747	649	0.45	1.15							1250	Unknown		
5791	CLUSTER	YES	16479.9		14.57	25.18	39.74	4460	Valve	16479.9	Valve	49516.02	36	0.312	52	0.16	0.05	5.12	2.64	5:51	335	1017	732	649	0.46	1.13							1250	Unknown		
5795	MELO-CORR	YES	16480.68		15.35	24.4	39.74	4460	Valve	16480.68	Valve	49515.24	36	0.312	52	0.24	0.08	1.10	0.20	6:05	335	1066	767	649	0.44	1.18							1598	Metal Loss		
5796	MELO-CORR	YES	16483.73		18.4	21.34	39.74	4460	Valve	16483.73	Valve	49512.19	36	0.312	52	0.17	0.05	1.10	0.20	0.234028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5797	MELO-CORR	YES	16485.29		19.96	19.78	39.74	4460	Valve	16485.29	Valve	49510.63	36	0.312	52	0.18	0.06	1.14	0.16	0.277083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5799	CLUSTER	YES	16490.18		24.85	14.9	39.74	4460	Valve	16490.18	Valve	49505.74	36	0.312	52	0.18	0.06	5.38	1.89	0.251389	335	1006	724	649	0.46	1.13							1250	Unknown		
5804	CLUSTER	YES	16492.32		26.99	12.76	39.74	4460	Valve	16492.32	Valve	49503.6	36	0.312	52	0.15	0.05	8.64	3.58	6:11	335	994	716	649	0.47	1.11							1250	Unknown		
5811	CLUSTER	YES	16501.49		36.16	3.59	39.74	4460	Valve	16501.49	Valve	49494.43	36	0.312	52	0.22	0.07	9.18	1.13	6:03	335	949	684	649	0.49	1.11							1250	Unknown		
5815	GirthWeld		16505.08		39.75	39.78	39.78	4470	Valve	16505.08	Valve	49490.84	36	0.312	52					0.4875	335			649									1250	Unknown		
5816	GirthWeld		16544.86		39.78	39.76	39.76	4480	Valve	16544.86	Valve	49451.06	36	0.312	52					0.113194	335			649									1250	Unknown		
5817	GirthWeld		16584.62		39.76	39.73	39.72	4490	Valve	16584.62	Valve	49411.3	36	0.312	52					0.447222	335			649									1250	Unknown		
5818	GirthWeld		16624.35		39.73	39.77	39.77	4500	Valve	16624.35	Valve	49371.57	36	0.312	52					1:54	335			649									1250	Unknown		
5820	CLUSTER	YES	16625.01		0.66	39.11	39.77	4500	Valve	16625.01	Valve	49370.91	36	0.312	52	0.21	0.07	6.85	2.14	5:56	335	975	702	649	0.48	1.12							1250	Unknown		
5824	GirthWeld		16664.12		39.77	39.74	39.74	4510	Valve	16664.12	Valve	49331.8	36	0.312	52					0.443056	335			649									1250	Unknown		
5825	MELO-CORR	YES	16689.66		25.54	14.2	39.74	4510	Valve	16689.66	Valve	49306.26	36	0.312	52	0.19	0.06	1.10	0.16	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5826	MELO-CORR	YES	16700.45		36.33	3.41	39.74	4510	Valve	16700.45	Valve	49295.47	36	0.312	52	0.21	0.07	1.10	0.20	0.254861	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5828	CLUSTER	YES	16701.76		37.64	2.11	39.74	4510	Valve	16701.76	Valve	49294.16	36	0.312	52	0.15	0.05	3.94	0.25	6:07	335	1034	745	649	0.45	1.15							1250	Unknown		
5830	GirthWeld		16703.86		39.74	39.34	39.33	4520	Valve	16703.86	Valve	49292.06	36	0.312	52					2:20	335			649									1250	Unknown		
5831	MELO-CORR	YES	16710.12		6.26	33.08	39.33	4520	Valve	16710.12	Valve	49285.8	36	0.312	52	0.15	0.05	1.18	0.32	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5832	MELO-CORR	YES	16712.55		8.69	30.65	39.33	4520	Valve	16712.55	Valve	49283.37	36	0.312	52	0.16	0.05	1.14	0.16	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5834	CLUSTER	YES	16712.72		8.86	30.47	39.33	4520	Valve	16712.72	Valve	49283.2	36	0.312	52	0.19	0.06	3.47	2.23	0.246528	335	1030	742	649	0.45	1.16							1250	Unknown		
5837	CLUSTER	YES	16714.16		10.3	29.03	39.33	4520	Valve	16714.16	Valve	49281.76	36	0.312	52	0.18	0.06	3.08	1.07	6:03	335	1039	748	649	0.45	1.16							1250	Unknown		
5839	MELO-CORR	YES	16716.15		12.28	27.05	39.33	4520	Valve	16716.15	Valve	49279.77	36	0.312	52	0.17	0.05	1.02	0.47	5:55	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5841	CLUSTER	YES	16716.45		12.59	26.75	39.33	4520	Valve	16716.45	Valve	49279.47	36	0.312	52	0.18	0.06	7.48	0.97	0.254167	335	985	709	649	0.47	1.12							1250	Unknown		
5844	MELO-CORR	YES	16718.02		14.16	25.17	39.33	4520	Valve	16718.02	Valve	49277.9	36	0.312	52	0.15	0.05	1.18	0.20	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5846	CLUSTER	YES	16719.39		15.53	23.81	39.33	4520	Valve	16719.39	Valve	49276.53	36	0.312	52	0.17	0.05	11.38	2.73	0.246528	335	970	698	649	0.48	1.09							1250	Unknown		
5851	MELO-CORR	YES	16721.23		17.37	21.97	39.33	4520	Valve	16721.23	Valve	49274.69	36	0.312	52	0.19	0.06	1.10	0.16	6:07	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5853	CLUSTER	YES	16722.99		19.13	20.2	39.33	4520	Valve	16722.99	Valve	49272.93	36	0.312	52	0.24	0.08	5.50	1.60	6:07	335	977	704	649	0.48	1.10							1250	Unknown		
5859	CLUSTER	YES	16724		20.14	19.19	39.33	4520	Valve	16724	Valve	49271.92	36	0.312	52	0.23	0.07	2.52	2.20	0.246528	335	1039	748	649	0.45	1.16							1250	Unknown		
5861	MELO-CORR	YES	16724.91		21.05	18.28	39.33	4520	Valve	16724.91	Valve	49271.01	36	0.312	52	0.15	0.05	1.10	0.43	0.246528	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5862	MELO-CORR	YES	16726.37		22.51	16.83	39.33	4520	Valve	16726.37	Valve	49269.55	36	0.312	52	0.16	0.05	1.10	0.24	0.258333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5863	MELO-CORR	YES	16726.6		22.74	16.6	39.33	4520	Valve	16726.6	Valve	49269.32	36	0.312	52	0.16	0.05	1.18	0.20	5:56	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5864	MELO-CORR	YES	16727.85		23.99	15.35	39.33	4520	Valve	16727.85	Valve	49268.07	36	0.312	52	0.17	0.05	1.22	0.24	6:07	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5866	CLUSTER	YES	16727.88		24.02	15.31	39.33	4520	Valve	16727.88	Valve	49268.04	36	0.312	52	0.17	0.05	6.04	1.16	0.264583	335	1003	722	649	0.46	1.12							1250	Unknown		
5870	CLUSTER	YES	16728.9		25.04	14.29	39.33	4520	Valve	16728.9	Valve	49267.01	36	0.312	52	0.18	0.06	8.69	1.57	0.254861	335	977	703	649	0.48	1.09							1250	Unknown		
5875	MELO-CORR	YES	16729.88		26.02	13.32	39.33	4520	Valve	16729.88	Valve	49266.04	36	0.312	52	0.15	0.05	1.10	0.16	0.254861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5876	MELO-CORR	YES	16730.44		26.58	12.76	39.33	4520	Valve	16730.44	Valve	49265.48	36	0.312	52	0.15	0.05	1.18	0.35	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5877	MELO-CORR	YES	16731.11		27.25	12.08	39.33	4520	Valve	16731.11	Valve	49264.81	36	0.312	52	0.16	0.05	1.22	0.16	6:08	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5879	CLUSTER	YES	16733.57		29.71	9.63	39.33	4520	Valve	16733.57	Valve	49262.35	36	0.312	52	0.18	0.06	2.09	2.36	0.246528	335	1055	760	649	0.44	1.17							1250	Unknown		
5881	MELO-CORR	YES	16736		32.14	7.19	39.33	4520	Valve	16736	Valve	49259.92	36	0.312	52	0.24	0.08	1.34	0.16	0.254861	335	1062	765	649	0.44	1.18							1598	Metal Loss		
5883	CLUSTER	YES	16737.83		33.97	5.36	39.33	4520	Valve	16737.83	Valve	49258.09	36	0.312	52	0.15	0.05	4.33	0.32	0.249306	335	1030	741	649	0.45	1.15							1250	Unknown		
5886	CLUSTER	YES	16739.9		36.04	3.29	39.33	4520	Valve	16739.9	Valve	49256.01	36	0.312	52	0.16	0.05	3.17	2.04	5:52	335	1042	751	649	0.45	1.16							1250	Unknown		
5889	MELO-CORR	YES	16741.75		37.89	1.44	39.33	4520	Valve	16741.75	Valve	49254.17	36	0.312	52	0.16	0.05	1.10	0.24	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5890	GirthWeld		16743.2		39.34	39.68	39.68	4530	Valve	16743.2	Valve	49252.72	36	0.312	52					0.497222	335			649									1250	Unknown		
5892	CLUSTER	YES	16744.73		1.53	38.15	39.68	4530	Valve	16744.73	Valve	49251.19	36	0.312	52	0.18	0.06	30.85	4.24	0.244444	335	934	673	649	0.50	1.07							1250	Unknown		
5909	CLUSTER	YES	16752.41		9.21	30.47	39.68	4530	Valve	16752.41	Valve	49243.51	36	0.312	52	0.2	0.06	8.16	1.20	0.252083	335	969	698	649	0.48	1.10							1250	Unknown		
5913	MELO-CORR	YES	16757.35		14.15	25.53	39.68	4530	Valve	16757.35	Valve	49238.57	36	0.312	52	0.19	0.06	1.22	0.24	7:06	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5915	CLUSTER	YES	16759.59		16.39	23.29	39.68	4530	Valve	16759.59	Valve	49236.33	36	0.312	52	0.17	0.05	1.74	0.44	6:38	335	1061	764	649	0.44	1.18							1250	Unknown		
5917	MELO-CORR	YES	16760.67		17.47	22.21	39.68	4530	Valve	16760.67	Valve	49235.25	36	0.312	52	0.15	0.05	1.22	0.20	0.254861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5919	CLUSTER	YES	16765.48		22.28	17.4	39.68	4530	Valve	16765.48	Valve	49230.44	36	0.312	52	0.2	0.06	6.04	0.66	0.253472	335	989	712	649	0.47	1.11							1250	Unknown		
5922	MELO-CORR	YES	16774.48		31.28	8.4	39.68	4530	Valve	16774.48	Valve	49221.44	36	0.312	52	0.15	0.05	1.22	0.16	0.300694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5923	MELO-CORR	YES	16775.56		32.36	7.32	39.68	4530	Valve	16775.56	Valve	49220.36	36	0.312	52	0.18	0.06	1.14	0.16	6:19	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5924	MELO-CORR	YES	16778.49		35.29	4.38	39.68	4530	Valve	16778.49	Valve	49217.43	36	0.312	52	0.15	0.05	1.10	0.20	6:38	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5925	GirthWeld		16782.88		39.68	39.94	39.94	4540	Valve	16782.88	Valve	49213.04	36	0.312	52					0.108333	335			649									1250	Unknown		
5926	MELO-CORR	YES	16792.68		9.8	30.14	39.94	4540	Valve	16792.68	Valve	49203.24	36	0.312	52	0.16	0.05	1.22	0.20	0.225694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5928	CLUSTER	YES	16803.04		20.16	19.78	39.94	4540	Valve	16803.04	Valve	49192.88	36	0.312	52	0.16	0.05	13.58	2.36	0.245833	335	969	698	649	0.48	1.09							1250	Unknown		
5939	CLUSTER	YES	16812.51		29.63	10.31	39.94	4540	Valve	16812.51	Valve	49183.41	36	0.312	52	0.16	0.05	10.02	1.89	5:55	335	981	707	649	0.47	1.11							1250	Unknown		
5944	CLUSTER	YES	16818.36		35.48	4.46	39.94	4540	Valve	16818.36	Valve	49177.56	36	0.312	52	0.15	0.05	5.82	0.54	6:09	335	1014	730	649	0.46	1.13							1250	Unknown		
5947	GirthWeld		16822.82		39.94	39.14	39.13	4550	Valve	16822.82	Valve	49173.1	36	0.312	52					0.479861	335			649									1250	Unknown		
5948	GirthWeld		16861.96		39.14	39.74	39.74	4560	Valve	16861.96	Valve	49133.96	36	0.312	52					0.075	335			649									1250	Unknown		
5949	GirthWeld		16901.7		39.74	39.13	39.12	4570	Valve	16901.7	Valve	49094.22	36	0.312	52					0.443056	335			649									1250	Unknown		
5950	GirthWeld		16940.83		39.13	39.65	39.65	4580	Valve	16940.83	Valve	49055.1	36	0.312	52					2:49	335			649									1250	Unknown		
5951	MELO-CORR	YES	16965.21		24.38	15.26	39.65	4580	Valve	16965.21	Valve	49030.71	36	0.312	52	0.17	0.05	0.91	0.20	6:03	335	1071	771	649	0.43	1.19							1598	Metal Loss		
5952	GirthWeld		16980.47		39.64	33.43	33.43	4590	Valve	16980.47	Valve	49015.45	36	0.312	52					0.472222	335			649									1250	Unknown		
5954	CLUSTER	YES	16989.68		9.21	24.22	33.43	4590	Valve	16989.68	Valve	49006.24	36	0.312	52	0.15	0.05	3.04	0.76	0.251389	335	1046	753	649	0.44	1.16							1250	Unknown		
5957	GirthWeld		17013.9		33.43	39.38	39.38	4600	Valve	17013.9	Valve	48982.02	36	0.312	52					0.113889	335			649									1250	Unknown		
5958	MELO-CORR	YES	17032.41		18.51	20.87	39.38	4600	Valve	17032.41	Valve	48963.51	36	0.312	52	0.18	0.06	1.14	0.20	6:03	335	1068	769	649	0.44	1.19							1598	Metal Loss		
5959	GirthWeld		17053.28		39.38	39.09	39.1	4610	Valve	17053.28	Valve	48942.64	36	0.312	52					11:48	335			649									1250	Unknown		
5960	GirthWeld		17092.37		39.09	39.43	39.43	4620	Valve	17092.37	Valve	48903.55	36	0.312	52					0.094444	335			649									1250	Unknown		
5962	CLUSTER	YES	17110.5		18.13	21.3	39.43	4620	Valve	17110.5	Valve	48885.42	36	0.312	52	0.16	0.05	1.68	0.66	0.272917	335	1063	765	649	0.44	1.18							1250	Unknown		
5964	MELO-CORR	YES	17115.04		22.67	16.76	39.43	4620	Valve	17115.04	Valve	48880.88	36	0.312	52	0.15	0.05	1.14	0.20	0.267361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5966	CLUSTER	YES	17115.68		23.31	16.12	39.43	4620	Valve	17115.68	Valve	48880.24	36	0.312	52	0.15	0.05	2.46	0.38	6:14	335	1054	759	649	0.44	1.17							1250	Unknown		
5969	CLUSTER	YES	17124.14		31.77	7.66	39.43	4620	Valve	17124.14	Valve	48871.78	36	0.312	52	0.23	0.07	3.90	0.38	6:03	335	1010	727	649	0.46	1.15							1250	Unknown		
5972	CLUSTER	YES	17127.32		34.95	4.48	39.43	4620	Valve	17127.32	Valve	48868.6	36	0.312	52	0.16	0.05	2.18	0.85	0.250694	335	1056	761	649	0.44	1.17							1250	Unknown		
5975	CLUSTER	YES	17129.77		37.4	2.03	39.43	4620	Valve	17129.77	Valve	48866.15	36	0.312	52	0.2	0.06	5.20	0.82	0.249306	335	1000	720	649	0.47	1.13							1250	Unknown		
5978	MELO-CORR	YES	17130.99		38.62	0.81	39.43	4620	Valve	17130.99	Valve	48864.93	36	0.312	52	0.15	0.05	1.22	0.20	0.252778	335	1069	769	649	0.44	1.19							1598	Metal Loss		
5979	GirthWeld		17131.8		39.43	39.69	39.69	4630	Valve	17131.8	Valve	48864.12	36	0.312	52					10:47	335			649									1250	Unknown		
5981	CLUSTER	YES	17135.73		3.93	35.77	39.69	4630	Valve	17135.73	Valve	48860.19	36	0.312	52	0.15	0.05	2.78	1.70	6:13	335	1049	756	649	0.44	1.17							1250	Unknown		
5984	CLUSTER	YES	17138.28		6.48	33.21	39.69	4630	Valve	17138.28	Valve	48857.64	36	0.312	52	0.27	0.08	7.06	1.45	0.259722	335	940	677	649	0.49	1.11							1250	Unknown		
5989	MELO-CORR	YES	17139.55		7.75	31.94	39.69	4630	Valve	17139.55	Valve	48856.37	36	0.312	52	0.21	0.07	1.14	0.35	0.263889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
5990	MELO-CORR	YES	17141.49		9.69	30	39.69	4630	Valve	17141.49	Valve	48854.43	36	0.312	52	0.15	0.05	1.14	0.20	0.247917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
5991	MELO-CORR	YES	17144.13		12.33	27.36	39.69	4630	Valve	17144.13	Valve	48851.79	36	0.312	52	0.19	0.06	1.14	0.24	5:39	335	1068	769	649	0.44	1.18							1598	Metal Loss		
5992	MELO-CORR	YES	17145.69		13.89	25.81	39.69	4630	Valve	17145.69	Valve	48850.23	36	0.312	52	0.15	0.05	1.10	0.35	5:28	335	1070	770	649	0.43	1.19							1598	Metal Loss		
5994	CLUSTER	YES	17152.06		20.26	19.43	39.69	4630	Valve	17152.06	Valve	48843.86	36	0.312	52	0.28	0.09	3.16	0.50	0.251389	335	1012	729	649	0.46	1.15							1250	Unknown		
5997	CLUSTER	YES	17153.13		21.33	18.36	39.69	4630	Valve	17153.13	Valve	48842.79	36	0.312	52	0.28	0.09	5.64	2.01	0.245833	335	956	689	649	0.49	1.11							1250	Unknown		
6003	CLUSTER	YES	17154.47		22.67	17.03	39.69	4630	Valve	17154.47	Valve	48841.45	36	0.312	52	0.18	0.06	7.99	1.48	0.244444	335	981	707	649	0.47	1.09							1250	Unknown		
6011	MELO-CORR	YES	17155.17		23.37	16.32	39.69	4630	Valve	17155.17	Valve	48840.75	36	0.312	52	0.16	0.05	0.98	0.55	6:06	335	1070	771	649	0.43	1.19							1598	Metal Loss		
6012	MELO-CORR	YES	17156.71		24.91	14.78	39.69	4630	Valve	17156.71	Valve	48839.21	36	0.312	52	0.19	0.06	1.18	0.35	6:06	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6014	CLUSTER	YES	17159.48		27.68	12.01	39.69	4630	Valve	17159.48	Valve	48836.44	36	0.312	52	0.18	0.06	3.80	1.07	0.245139	335	1027	740	649	0.45	1.15							1250	Unknown		
6017	CLUSTER	YES	17160.05		28.25	11.44	39.69	4630	Valve	17160.05	Valve	48835.87	36	0.312	52	0.16	0.05	3.74	2.42	0.245833	335	1034	745	649	0.45	1.15							1250	Unknown		
6019	MELO-CORR	YES	17160.64		28.84	10.85	39.69	4630	Valve	17160.64	Valve	48835.28	36	0.312	52	0.17	0.05	1.10	0.51	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6020	MELO-CORR	YES	17161.46		29.66	10.03	39.69	4630	Valve	17161.46	Valve	48834.46	36	0.312	52	0.19	0.06	1.10	0.16	5:51	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6021	MELO-CORR	YES	17161.63		29.83	9.86	39.69	4630	Valve	17161.63	Valve	48834.29	36	0.312	52	0.18	0.06	1.22	0.43	6:06	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6023	CLUSTER	YES	17163.03		31.23	8.47	39.69	4630	Valve	17163.03	Valve	48832.89	36	0.312	52	0.15	0.05	10.74	2.61	0.245139	335	985	709	649	0.47	1.10							1250	Unknown		
6028	MELO-CORR	YES	17164.29		32.49	7.2	39.69	4630	Valve	17164.29	Valve	48831.63	36	0.312	52	0.16	0.05	1.18	0.20	0.241667	335	1069	769	649	0.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
6089	CLUSTER	YES	17217.82		6.55	32.17	38.72	4650	Valve	17217.82	Valve	48778.1	36	0.312	52	0.2	0.06	4.03	0.82	5:46	335	1018	733	649	0.46	1.14							1250	Unknown		
6105	MELO-CORR	YES	17220.62		9.35	29.37	38.72	4650	Valve	17220.62	Valve	48775.3	36	0.312	52	0.2	0.06	1.18	0.16	6:09	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6107	CLUSTER	YES	17225.9		14.63	24.09	38.72	4650	Valve	17225.9	Valve	48770.02	36	0.312	52	0.16	0.05	5.36	2.23	0.256944	335	1014	730	649	0.46	1.14							1250	Unknown		
6110	CLUSTER	YES	17226.72		15.45	23.27	38.72	4650	Valve	17226.72	Valve	48769.2	36	0.312	52	0.18	0.06	18.58	4.87	0.239583	335	945	681	649	0.49	1.09							1250	Unknown		
6124	CLUSTER	YES	17228.28		17.01	21.71	38.72	4650	Valve	17228.28	Valve	48767.64	36	0.312	52	0.17	0.05	19.12	5.15	0.239583	335	952	685	649	0.49	1.08							1250	Unknown		
6139	CLUSTER	YES	17230.41		19.14	19.58	38.72	4650	Valve	17230.41	Valve	48765.51	36	0.312	52	0.15	0.05	4.80	1.32	6:03	335	1024	737	649	0.45	1.14							1250	Unknown		
6143	CLUSTER	YES	17234.74		23.47	15.25	38.72	4650	Valve	17234.74	Valve	48761.18	36	0.312	52	0.23	0.07	7.87	1.42	5:57	335	954	687	649	0.49	1.10							1250	Unknown		
6148	CLUSTER	YES	17236.1		24.83	13.89	38.72	4650	Valve	17236.1	Valve	48759.82	36	0.312	52	0.22	0.07	9.28	1.54	0.251389	335	949	683	649	0.49	1.10							1250	Unknown		
6154	CLUSTER	YES	17239.42		28.15	10.57	38.72	4650	Valve	17239.42	Valve	48756.5	36	0.312	52	0.16	0.05	1.85	1.42	0.251389	335	1061	764	649	0.44	1.18							1250	Unknown		
6157	CLUSTER	YES	17240.3		29.03	9.69	38.72	4650	Valve	17240.3	Valve	48755.62	36	0.312	52	0.15	0.05	14.99	4.34	0.242361	335	973	701	649	0.48	1.09							1250	Unknown		
6165	CLUSTER	YES	17243.62		32.35	6.37	38.72	4650	Valve	17243.62	Valve	48752.3	36	0.312	52	0.25	0.08	7.86	4.87	5:47	335	942	678	649	0.49	1.11							1250	Unknown		
6173	CLUSTER	YES	17244.36		33.09	5.63	38.72	4650	Valve	17244.36	Valve	48751.56	36	0.312	52	0.15	0.05	3.24	1.64	6:18	335	1044	751	649	0.45	1.16							1250	Unknown		
6176	CLUSTER	YES	17247.55		36.28	2.44	38.72	4650	Valve	17247.55	Valve	48748.37	36	0.312	52	0.15	0.05	3.36	0.54	0.252778	335	1042	750	649	0.45	1.16							1250	Unknown		
6179	CLUSTER	YES	17248.21		36.94	1.78	38.72	4650	Valve	17248.21	Valve	48747.71	36	0.312	52	0.21	0.07	4.07	0.79	0.24375	335	1014	730	649	0.46	1.15							1250	Unknown		
6182	CLUSTER	YES	17248.45		37.18	1.54	38.72	4650	Valve	17248.45	Valve	48747.47	36	0.312	52	0.16	0.05	16.51	3.87	0.248611	335	963	694	649	0.48	1.09							1250	Unknown		
6193	GirthWeld		17249.99		38.72	39.7	39.7	4660	Valve	17249.99	Valve	48745.93	36	0.312	52					1:48	335			649									1250	Unknown		
6195	CLUSTER	YES	17251.79		1.8	37.91	39.7	4660	Valve	17251.79	Valve	48744.13	36	0.312	52	0.15	0.05	2.64	1.35	5:47	335	1052	757	649	0.44	1.17							1250	Unknown		
6198	CLUSTER	YES	17252.6		2.61	37.09	39.7	4660	Valve	17252.6	Valve	48743.32	36	0.312	52	0.17	0.05	15.82	4.12	0.244444	335	957	689	649	0.49	1.09							1250	Unknown		
6208	CLUSTER	YES	17260.98		10.99	28.71	39.7	4660	Valve	17260.98	Valve	48734.94	36	0.312	52	0.16	0.05	16.76	6.03	0.220139	335	963	693	649	0.48	1.09							1250	Unknown		
6220	MELO-CORR	YES	17263.06		13.07	26.63	39.7	4660	Valve	17263.06	Valve	48732.86	36	0.312	52	0.15	0.05	1.18	0.20	0.234722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6221	MELO-CORR	YES	17270.83		20.83	18.87	39.7	4660	Valve	17270.83	Valve	48725.1	36	0.312	52	0.15	0.05	1.10	0.47	5:41	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6222	MELO-CORR	YES	17279.01		29.02	10.68	39.7	4660	Valve	17279.01	Valve	48716.91	36	0.312	52	0.16	0.05	1.18	0.16	6:04	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6224	CLUSTER	YES	17284.47		34.48	5.22	39.7	4660	Valve	17284.47	Valve	48711.45	36	0.312	52	0.15	0.05	5.24	2.39	0.254861	335	1020	734	649	0.46	1.14							1250	Unknown		
6228	CLUSTER	YES	17285.8		35.81	3.89	39.7	4660	Valve	17285.8	Valve	48710.12	36	0.312	52	0.16	0.05	11.95	2.61	0.259028	335	974	701	649	0.48	1.10							1250	Unknown		
6237	GirthWeld		17289.69		39.7	39.46	39.46	4670	Valve	17289.69	Valve	48706.23	36	0.312	52					0.489583	335			649									1250	Unknown		
6239	CLUSTER	YES	17290.54		0.85	38.6	39.46	4670	Valve	17290.54	Valve	48705.38	36	0.312	52	0.19	0.06	12.40	4.81	5:42	335	953	686	649	0.49	1.10							1250	Unknown		
6250	MELO-CORR	YES	17303.01		13.33	26.13	39.46	4670	Valve	17303.01	Valve	48692.9	36	0.312	52	0.21	0.07	1.10	0.16	6:10	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6251	MELO-CORR	YES	17303.19		13.5	25.96	39.46	4670	Valve	17303.19	Valve	48692.74	36	0.312	52	0.17	0.05	1.10	0.24	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6253	CLUSTER	YES	17303.72		14.03	25.42	39.46	4670	Valve	17303.72	Valve	48692.2	36	0.312	52	0.18	0.06	1.48	0.82	0.240972	335	1064	766	649	0.44	1.18							1250	Unknown		
6255	MELO-CORR	YES	17318.57		28.88	10.58	39.46	4670	Valve	17318.57	Valve	48677.35	36	0.312	52	0.15	0.05	1.10	0.16	0.206944	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6257	CLUSTER	YES	17320.26		30.57	8.89	39.46	4670	Valve	17320.26	Valve	48675.66	36	0.312	52	0.15	0.05	11.34	3.96	5:48	335	983	708	649	0.47	1.09							1250	Unknown		
6265	GirthWeld		17329.15		39.46	39.59	39.6	4680	Valve	17329.15	Valve	48666.77	36	0.312	52					2:46	335			649									1250	Unknown		
6267	CLUSTER	YES	17332.94		3.79	35.8	39.6	4680	Valve	17332.94	Valve	48662.98	36	0.312	52	0.15	0.05	4.21	0.38	0.223611	335	1031	742	649	0.45	1.15							1250	Unknown		
6270	CLUSTER	YES	17351.62		22.47	17.13	39.6	4680	Valve	17351.62	Valve	48644.3	36	0.312	52	0.15	0.05	2.38	1.35	0.24375	335	1055	760	649	0.44	1.17							1250	Unknown		
6272	GirthWeld		17368.74		39.59	38.1	38.1	4690	Valve	17368.74	Valve	48627.18	36	0.312	52					0.500694	335			649									1250	Unknown		
6273	LWFE-MIFE	n/a	17369.26		0.52	37.59	38.1	4690	Valve	17369.26	Valve	48626.66	36	0.312	52	0.24	0.08	3.90	0.51	12:02	335			649									3421	Mill Wall Thinning		
6274	GirthWeld		17406.85		38.1	39.74	39.75	4700	Valve	17406.85	Valve	48589.07	36	0.312	52					10:17	335			649									1250	Unknown		
6275	GirthWeld		17446.59		39.74	39.74	39.73	4710	Valve	17446.59	Valve	48549.33	36	0.312	52					0.063889	335			649									1250	Unknown		
6276	GirthWeld		17486.33		39.74	39.82	39.83	4720	Valve	17486.33	Valve	48509.59	36	0.312	52					0.451389	335			649									1250	Unknown		
6277	MELO-CORR	YES	17487.1		0.77	39.05	39.83	4720	Valve	17487.1	Valve	48508.82	36	0.312	52	0.15	0.05	1.10	0.16	0.249306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6278	GirthWeld		17526.15		39.82	39.79	39.79	4730	Valve	17526.15	Valve	48469.77	36	0.312	52					1:23	335			649									1250	Unknown		
6279	GirthWeld		17565.94		39.79	23.8	23.8	4740	Valve	17565.94	Valve	48429.98	36	0.312	52					10:44	335			649									1250	Unknown		
6280	GirthWeld		17589.74		23.8	22.58	22.59	4750	Valve	17589.74	Valve	48406.18	36	0.312	52					0.070833	335			649									1250	Unknown		
6281	GirthWeld		17612.32		22.58	39.8	39.8	4760	Valve	17612.32	Valve	48383.6	36	0.312	52					0.416667	335			649									1250	Unknown		
6282	GirthWeld		17652.12		39.8	38.66	38.65	4770	Valve	17652.12	Valve	48343.8	36	0.312	52					0.045833	335			649									1250	Unknown		
6283	GirthWeld		17690.78		38.66	39.76	39.76	4780	Valve	17690.78	Valve	48305.14	36	0.312	52					10:30	335			649									1250	Unknown		
6284	GirthWeld		17730.54		39.76	39.35	39.35	4790	Valve	17730.54	Valve	48265.38	36	0.312	52					1:36	335			649									1250	Unknown		
6285	GirthWeld		17769.89		39.35	39.72	39.72	4800	Valve	17769.89	Valve	48226.03	36	0.312	52					0.376389	335			649									1250	Unknown		
6286	GirthWeld		17809.61		39.72	39.73	39.72	4810	Valve	17809.61	Valve	48186.32	36	0.312	52					0.463889	335			649									1250	Unknown		
6287	GirthWeld		17849.33		39.72	35.91	35.92	4820	Valve	17849.33	Valve	48146.59	36	0.312	52					0.350694	335			649									1250	Unknown		
6288	GirthWeld		17885.24		35.91	39.78	39.78	4830	Valve	17885.24	Valve	48110.68	36	0.312	52					12:20	335			649									1250	Unknown		
6289	GirthWeld		17925.02		39.78	39.34	39.34	4840	Valve	17925.02	Valve	48070.9	36	0.312	52					9:03	335			649									1250	Unknown		
6290	GirthWeld		17964.36		39.33	39.85	39.84	4850	Valve	17964.36	Valve	48031.57	36	0.312	52					0.452083	335			649									1250	Unknown		
6291	GirthWeld		18004.2		39.84	39.16	39.16	4860	Valve	18004.2	Valve	47991.72	36	0.312	52					0.403472	335			649									1250	Unknown		
6292	GirthWeld		18043.36		39.16	38.65	38.65	4870	Valve	18043.36	Valve	47952.56	36	0.312	52					0.469444	335			649									1250	Unknown		
6293	LWFE-MIFE	n/a	18044.7		1.34	37.31	38.65	4870	Valve	18044.7	Valve	47951.22	36	0.312	52	0.21	0.07	1.50	0.28	11:12	335			649									3421	Mill Wall Thinning		
6294	MELO-CORR	YES	18080.7		37.34	1.31	38.65	4870	Valve	18080.7	Valve	47915.22	36	0.312	52	0.15	0.05	1.10	0.16	6:07	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6295	GirthWeld		18082.01		38.65	39.66	39.66	4880	Valve	18082.01	Valve	47913.91	36	0.312	52					0.408333	335			649									1250	Unknown		
6296	GirthWeld		18121.67		39.66	39.86	39.86	4890	Valve	18121.67	Valve	47874.25	36	0.312	52					0.497917	335			649									1250	Unknown		
6298	CLUSTER	YES	18122.66		0.99	38.86	39.86	4890	Valve	18122.66	Valve	47873.26	36	0.312	52	0.15	0.05	5.34	2.14	0.239583	335	1019	733	649	0.46	1.14							1250	Unknown		
6301	MELO-CORR	YES	18131.13		9.46	30.39	39.86	4890	Valve	18131.13	Valve	47864.79	36	0.312	52	0.15	0.05	1.10	0.20	5:47	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6302	MELO-CORR	YES	18137.37		15.7	24.15	39.86	4890	Valve	18137.37	Valve	47858.55	36	0.312	52	0.15	0.05	1.10	0.20	5:55	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6303	MELO-CORR	YES	18159.02		37.35	2.5	39.86	4890	Valve	18159.02	Valve	47836.9	36	0.312	52	0.18	0.06	1.10	0.28	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6304	MELO-CORR	YES	18159.22		37.55	2.3	39.86	4890	Valve	18159.22	Valve	47836.7	36	0.312	52	0.2	0.06	1.22	0.35	0.244444	335	1066	768	649	0.44	1.18							1598	Metal Loss		
6305	MELO-CORR	YES	18159.82		38.15	1.7	39.86	4890	Valve	18159.82	Valve	47836.1	36	0.312	52	0.15	0.05	1.10	0.20	0.246528	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6307	CLUSTER	YES	18159.84		38.17	1.69	39.86	4890	Valve	18159.84	Valve	47836.08	36	0.312	52	0.16	0.05	1.74	0.54	6:14	335	1062	765	649	0.44	1.18							1250	Unknown		
6309	GirthWeld		18161.53		39.86	39.73	39.73	4900	Valve	18161.53	Valve	47834.39	36	0.312	52					10:02	335			649									1250	Unknown		
6311	CLUSTER	YES	18170.35		8.82	30.91	39.73	4900	Valve	18170.35	Valve	47825.57	36	0.312	52	0.21	0.07	6.46	2.64	0.241667	335	979	705	649	0.48	1.12							1250	Unknown		
6318	CLUSTER	YES	18173.28		11.75	27.98	39.73	4900	Valve	18173.28	Valve	47822.64	36	0.312	52	0.16	0.05	2.23	1.01	0.243056	335	1055	760	649	0.44	1.17							1250	Unknown		
6321	CLUSTER	YES	18193.53		32	7.73	39.73	4900	Valve	18193.53	Valve	47802.39	36	0.312	52	0.29	0.09	2.54	0.82	0.246528	335	1026	739	649	0.45	1.16							1250	Unknown		
6323	MELO-CORR	YES	18194.99		33.46	6.27	39.73	4900	Valve	18194.99	Valve	47800.93	36	0.312	52	0.17	0.05	1.10	0.51	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6324	MELO-CORR	YES	18198.46		36.93	2.8	39.73	4900	Valve	18198.46	Valve	47797.46	36	0.312	52	0.16	0.05	1.10	0.51	5:49	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6325	GirthWeld		18201.26		39.73	39.81	39.81	4910	Valve	18201.26	Valve	47794.66	36	0.312	52					0.510417	335			649									1250	Unknown		
6326	MELO-CORR	YES	18203.94		2.68	37.13	39.81	4910	Valve	18203.94	Valve	47791.98	36	0.312	52	0.15	0.05	1.06	0.39	0.228472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6328	CLUSTER	YES	18205.04		3.78	36.03	39.81	4910	Valve	18205.04	Valve	47790.88	36	0.312	52	0.15	0.05	1.15	0.72	0.173611	335	1069	770	649	0.44	1.19							1250	Unknown		
6331	CLUSTER	YES	18206.83		5.57	34.24	39.81	4910	Valve	18206.83	Valve	47789.09	36	0.312	52	0.15	0.05	3.97	0.85	6:18	335	1034	744	649	0.45	1.15							1250	Unknown		
6334	CLUSTER	YES	18210.39		9.13	30.68	39.81	4910	Valve	18210.39	Valve	47785.53	36	0.312	52	0.21	0.07	10.38	2.77	6:15	335	948	683	649	0.49	1.10							1250	Unknown		
6342	MELO-CORR	YES	18212.21		10.95	28.86	39.81	4910	Valve	18212.21	Valve	47783.71	36	0.312	52	0.16	0.05	1.10	0.28	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6344	CLUSTER	YES	18212.85		11.59	28.22	39.81	4910	Valve	18212.85	Valve	47783.07	36	0.312	52	0.2	0.06	15.94	2.67	0.2625	335	935	673	649	0.50	1.09							1250	Unknown		
6347	MELO-CORR	YES	18213.19		11.93	27.88	39.81	4910	Valve	18213.19	Valve	47782.73	36	0.312	52	0.18	0.06	1.14	0.20	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6352	MELO-CORR	YES	18215.13		13.87	25.93	39.81	4910	Valve	18215.13	Valve	47780.79	36	0.312	52	0.15	0.05	1.18	0.24	3:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6353	MELO-CORR	YES	18218.63		17.37	22.44	39.81	4910	Valve	18218.63	Valve	47777.29	36	0.312	52	0.15	0.05	1.10	0.28	5:26	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6355	CLUSTER	YES	18221.99		20.73	19.07	39.81	4910	Valve	18221.99	Valve	47773.93	36	0.312	52	0.17	0.05	2.32	1.07	0.289583	335	1053	758	649	0.44	1.17							1250	Unknown		
6358	CLUSTER	YES	18222.24		20.98	18.83	39.81	4910	Valve	18222.24	Valve	47773.68	36	0.312	52	0.37	0.12	12.49	2.55	0.244444	335	823	592	649	0.57	1.09							1250	Unknown		
6360	MELO-CORR	YES	18222.39		21.13	18.67	39.81	4910	Valve	18222.39	Valve	47773.53	36	0.312	52	0.19	0.06	1.42	0.71	0.289583	335	1064	766	649	0.44	1.18							1598	Metal Loss		
6367	CLUSTER	YES	18224.92		23.66	16.15	39.81	4910	Valve	18224.92	Valve	47771	36	0.312	52	0.16	0.05	3.89	0.57	6:18	335	1032	743	649	0.45	1.15							1250	Unknown		
6370	CLUSTER	YES	18226.24		24.98	14.83	39.81	4910	Valve	18226.24	Valve	47769.68	36	0.312	52	0.15	0.05	22.92	2.42	5:51	335	963	694	649	0.48	1.08							1250	Unknown		
6382	MELO-CORR	YES	18227.44		26.18	13.63	39.81	4910	Valve	18227.44	Valve	47768.48	36	0.312	52	0.17	0.05	1.22	0.43	0.229861	335	1068	769	649	0.44	1.18							1598	Metal Loss		
6383	MELO-CORR	YES	18227.58		26.32	13.49	39.81	4910	Valve	18227.58	Valve	47768.34	36	0.312	52	0.18	0.06	1.14	0.24	0.268056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6389	CLUSTER	YES	18228.24		26.98	12.83	39.81	4910	Valve	18228.24	Valve	47767.68	36	0.312	52	0.19	0.06	9.34	5.12	0.246528	335	967	696	649	0.48	1.10							1250	Unknown		
6396	CLUSTER	YES	18228.66		27.4	12.41	39.81	4910	Valve	18228.66	Valve	47767.26	36	0.312	52	0.18	0.06	3.10	0.63	5:32	335	1038	748	649	0.45	1.16							1250	Unknown		
6405	CLUSTER	YES	18228.94		27.68	12.13	39.81	4910	Valve	18228.94	Valve	47766.98	36	0.312	52	0.15	0.05	4.98	0.63	6:20	335	1023	736	649	0.46	1.13							1250	Unknown		
6409	CLUSTER	YES	18229.18		27.92	11.88	39.81	4910	Valve	18229.18	Valve	47766.74	36	0.312	52	0.2	0.06	7.04	1.82	0.247222	335	978	704	649	0.48	1.12							1250	Unknown		
6414	MELO-CORR	YES	18230.04		28.78	11.02	39.81	4910	Valve	18230.04	Valve	47765.88	36	0.312	52	0.23	0.07	1.38	0.24	0.227778	335	1062	765	649	0.44	1.18							1598	Metal Loss		
6416	CLUSTER	YES	18230.24		28.98	10.83	39.81	4910	Valve	18230.24	Valve	47765.68	36	0.312	52	0.19	0.06	10.20	1.04	0.261806	335	962	693	649	0.48	1.10							1250	Unknown		
6421	MELO-CORR	YES	18232.69		31.43	8.38	39.81	4910	Valve	18232.69	Valve	47763.23	36	0.312	52	0.15	0.05	1.18	0.16	5:29	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6422	MELO-CORR	YES	18233.67		32.41	7.4	39.81	4910	Valve	18233.67	Valve	47762.25	36	0.312	52	0.17	0.05	1.10	0.39	4:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6424	CLUSTER	YES	18239.76		38.5	1.3	39.81	4910	Valve	18239.76	Valve	47756.16	36	0.312	52	0.18	0.06	3.78	2.55	0.252778	335	1028	740	649	0.45	1.15							1250	Unknown		
6429	CLUSTER	YES	18240.19		38.93	0.88	39.81	4910	Valve	18240.19	Valve	47755.73	36	0.312	52	0.15	0.05	1.72	0.44	0.2625	335	1063	765	649	0.44	1.18							1250	Unknown		
6431	GirthWeld		18241.07		39.81	39.5	39.5	4920	Valve	18241.07	Valve	47754.85	36	0.312	52					0.421528	335			649									1250	Unknown		
6433	CLUSTER	YES	18241.21		0.14	39.36	39.5	4920	Valve	18241.21	Valve	47754.71	36	0.312	52	0.17	0.05	3.98	0.79	6:20	335	1028	740	649	0.45	1.15							1250	Unknown		
6436	CLUSTER	YES	18241.6		0.53	38.97	39.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)								(feet)					
6533	CLUSTER	YES	18256.46		15.39	24.1	39.5	4920	Valve	18256.46	Valve	47739.46	36	0.312	52	0.15	0.05	25.51	7.13	5:41	335	961	692	649	0.48	1.08							1250	Unknown		
6544	MELO-CORR	YES	18257.29		16.22	23.28	39.5	4920	Valve	18257.29	Valve	47738.63	36	0.312	52	0.15	0.05	1.14	0.20	6:43	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6559	CLUSTER	YES	18257.97		16.9	22.6	39.5	4920	Valve	18257.97	Valve	47737.95	36	0.312	52	0.23	0.07	12.04	4.84	0.198611	335	927	667	649	0.50	1.09							1250	Unknown		
6563	CLUSTER	YES	18258.03		16.96	22.53	39.5	4920	Valve	18258.03	Valve	47737.89	36	0.312	52	0.18	0.06	6.13	0.50	0.288194	335	997	718	649	0.47	1.13							1250	Unknown		
6577	MELO-CORR	YES	18258.83		17.76	21.73	39.5	4920	Valve	18258.83	Valve	47737.08	36	0.312	52	0.15	0.05	2.95	0.55	0.259028	335	1047	754	649	0.44	1.16							1598	Metal Loss		
6579	CLUSTER	YES	18259.24		18.17	21.33	39.5	4920	Valve	18259.24	Valve	47736.68	36	0.312	52	0.16	0.05	24.53	4.02	6:06	335	954	687	649	0.49	1.08							1250	Unknown		
6581	CLUSTER	YES	18259.44		18.37	21.13	39.5	4920	Valve	18259.44	Valve	47736.48	36	0.312	52	0.15	0.05	6.95	2.48	4:50	335	1005	724	649	0.46	1.12							1250	Unknown		
6600	CLUSTER	YES	18262.03		20.96	18.54	39.5	4920	Valve	18262.03	Valve	47733.89	36	0.312	52	0.15	0.05	12.22	3.87	0.284722	335	980	706	649	0.47	1.10							1250	Unknown		
6613	CLUSTER	YES	18263.21		22.14	17.35	39.5	4920	Valve	18263.21	Valve	47732.71	36	0.312	52	0.15	0.05	4.00	2.11	0.279861	335	1034	744	649	0.45	1.15							1250	Unknown		
6617	MELO-CORR	YES	18263.43		22.36	17.14	39.5	4920	Valve	18263.43	Valve	47732.49	36	0.312	52	0.16	0.05	1.53	0.43	0.264583	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6619	CLUSTER	YES	18263.71		22.64	16.86	39.5	4920	Valve	18263.71	Valve	47732.21	36	0.312	52	0.17	0.05	2.22	0.57	6:57	335	1055	759	649	0.44	1.17							1250	Unknown		
6622	CLUSTER	YES	18263.79		22.72	16.78	39.5	4920	Valve	18263.79	Valve	47732.13	36	0.312	52	0.16	0.05	1.25	0.60	5:39	335	1068	769	649	0.44	1.18							1250	Unknown		
6624	MELO-CORR	YES	18266.96		25.89	13.61	39.5	4920	Valve	18266.96	Valve	47728.96	36	0.312	52	0.16	0.05	1.22	0.55	0.211111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6626	CLUSTER	YES	18267.19		26.12	13.37	39.5	4920	Valve	18267.19	Valve	47728.73	36	0.312	52	0.17	0.05	8.63	0.82	0.265278	335	983	708	649	0.47	1.10							1250	Unknown		
6631	CLUSTER	YES	18268.2		27.13	12.37	39.5	4920	Valve	18268.2	Valve	47727.72	36	0.312	52	0.16	0.05	7.36	1.51	0.210417	335	997	718	649	0.47	1.12							1250	Unknown		
6635	MELO-CORR	YES	18270.86		29.79	9.7	39.5	4920	Valve	18270.86	Valve	47725.06	36	0.312	52	0.16	0.05	1.10	0.24	5:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6637	CLUSTER	YES	18277.81		36.74	2.76	39.5	4920	Valve	18277.81	Valve	47718.11	36	0.312	52	0.16	0.05	32.33	8.23	5:47	335	949	683	649	0.49	1.07							1250	Unknown		
6665	GirthWeld		18280.57		39.5	39.35	39.35	4930	Valve	18280.57	Valve	47715.35	36	0.312	52					0.530556	335			649									1250	Unknown		
6666	MELO-CORR	YES	18287.93		7.36	31.98	39.35	4930	Valve	18287.93	Valve	47707.99	36	0.312	52	0.16	0.05	1.10	0.20	0.330556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6667	GirthWeld		18319.92		39.35	39.77	39.78	4940	Valve	18319.92	Valve	47676	36	0.312	52					0.370833	335			649									1250	Unknown		
6668	MELO-CORR	YES	18323.84		3.92	35.85	39.78	4940	Valve	18323.84	Valve	47672.08	36	0.312	52	0.15	0.05	1.10	0.16	5:35	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6670	CLUSTER	YES	18330.16		10.24	29.53	39.78	4940	Valve	18330.16	Valve	47665.76	36	0.312	52	0.16	0.05	15.40	2.48	5:48	335	965	695	649	0.48	1.08							1250	Unknown		
6678	MELO-CORR	YES	18335.08		15.16	24.61	39.78	4940	Valve	18335.08	Valve	47660.84	36	0.312	52	0.18	0.06	1.18	0.20	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
6679	MELO-CORR	YES	18336.57		16.65	23.12	39.78	4940	Valve	18336.57	Valve	47659.35	36	0.312	52	0.15	0.05	1.10	0.16	0.232639	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6681	CLUSTER	YES	18345.91		25.99	13.78	39.78	4940	Valve	18345.91	Valve	47650.01	36	0.312	52	0.16	0.05	17.15	2.42	0.249306	335	962	693	649	0.48	1.08							1250	Unknown		
6686	MELO-CORR	YES	18348.26		28.34	11.43	39.78	4940	Valve	18348.26	Valve	47647.66	36	0.312	52	0.16	0.05	1.22	0.20	5:31	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6688	CLUSTER	YES	18355.18		35.26	4.51	39.78	4940	Valve	18355.18	Valve	47640.74	36	0.312	52	0.19	0.06	5.20	0.41	6:35	335	1004	723	649	0.46	1.13							1250	Unknown		
6690	GirthWeld		18359.69		39.77	39.66	39.66	4950	Valve	18359.69	Valve	47636.23	36	0.312	52					0.043056	335			649									1250	Unknown		
6692	CLUSTER	YES	18360		0.31	39.35	39.66	4950	Valve	18360	Valve	47635.92	36	0.312	52	0.2	0.06	25.75	4.87	0.233333	335	922	664	649	0.50	1.08							1250	Unknown		
6709	MELO-CORR	YES	18361.88		2.19	37.47	39.66	4950	Valve	18361.88	Valve	47634.04	36	0.312	52	0.16	0.05	1.10	0.35	0.267361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6712	CLUSTER	YES	18366.16		6.47	33.19	39.66	4950	Valve	18366.16	Valve	47629.76	36	0.312	52	0.15	0.05	6.38	1.60	5:54	335	1009	727	649	0.46	1.13							1250	Unknown		
6717	CLUSTER	YES	18375.76		16.07	23.59	39.66	4950	Valve	18375.76	Valve	47620.16	36	0.312	52	0.15	0.05	11.84	4.40	5:52	335	981	706	649	0.47	1.10							1250	Unknown		
6726	CLUSTER	YES	18381.54		21.85	17.82	39.66	4950	Valve	18381.54	Valve	47614.38	36	0.312	52	0.15	0.05	6.07	1.76	0.245833	335	1012	729	649	0.46	1.13							1250	Unknown		
6731	CLUSTER	YES	18382.15		22.46	17.21	39.66	4950	Valve	18382.15	Valve	47613.77	36	0.312	52	0.15	0.05	9.35	3.74	0.235417	335	991	713	649	0.47	1.11							1250	Unknown		
6738	MELO-CORR	YES	18384.5		24.81	14.85	39.66	4950	Valve	18384.5	Valve	47611.42	36	0.312	52	0.15	0.05	1.10	0.20	0.324306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6740	CLUSTER	YES	18392.71		33.02	6.64	39.66	4950	Valve	18392.71	Valve	47603.21	36	0.312	52	0.18	0.06	2.88	1.13	5:55	335	1042	750	649	0.45	1.16							1250	Unknown		
6742	MELO-CORR	YES	18398.31		38.62	1.04	39.66	4950	Valve	18398.31	Valve	47597.61	36	0.312	52	0.15	0.05	1.22	0.16	5:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6743	GirthWeld		18399.35		39.66	39.03	39.03	4960	Valve	18399.35	Valve	47596.57	36	0.312	52					0.394444	335			649									1250	Unknown		
6745	CLUSTER	YES	18414.64		15.29	23.74	39.03	4960	Valve	18414.64	Valve	47581.28	36	0.312	52	0.15	0.05	13.69	3.71	0.244444	335	976	703	649	0.48	1.10							1250	Unknown		
6755	MELO-CORR	YES	18415.81		16.46	22.57	39.03	4960	Valve	18415.81	Valve	47580.11	36	0.312	52	0.15	0.05	1.22	0.20	0.265278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6757	CLUSTER	YES	18433.66		34.31	4.71	39.03	4960	Valve	18433.66	Valve	47562.26	36	0.312	52	0.15	0.05	3.80	0.32	6:04	335	1036	746	649	0.45	1.15							1250	Unknown		
6759	GirthWeld		18438.38		39.03	39.82	39.82	4970	Valve	18438.38	Valve	47557.54	36	0.312	52					12:59	335			649									1250	Unknown		
6761	CLUSTER	YES	18458.4		20.02	19.8	39.82	4970	Valve	18458.4	Valve	47537.52	36	0.312	52	0.15	0.05	6.40	0.35	0.252778	335	1009	727	649	0.46	1.13							1250	Unknown		
6763	GirthWeld		18478.2		39.82	38.27	38.28	4980	Valve	18478.2	Valve	47517.72	36	0.312	52					0.443056	335			649									1250	Unknown		
6764	MELO-CORR	YES	18498.27		20.07	18.2	38.28	4980	Valve	18498.27	Valve	47497.65	36	0.312	52	0.15	0.05	1.14	0.20	0.234028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6765	GirthWeld		18516.47		38.27	39	38.99	4990	Valve	18516.47	Valve	47479.45	36	0.312	52					12:58	335			649									1250	Unknown		
6766	GirthWeld		18555.47		39	39.77	39.77	5000	Valve	18555.47	Valve	47440.45	36	0.312	52					11:22	335			649									1250	Unknown		
6767	GirthWeld		18595.24		39.77	39.72	39.72	5010	Valve	18595.24	Valve	47400.68	36	0.312	52					0.084722	335			649									1250	Unknown		
6769	CLUSTER	YES	18599.57		4.33	35.39	39.72	5010	Valve	18599.57	Valve	47396.35	36	0.312	52	0.17	0.05	2.28	0.88	0.243056	335	1053	758	649	0.44	1.17							1250	Unknown		
6771	GirthWeld		18634.96		39.72	35.44	35.44	5020	Valve	18634.96	Valve	47360.96	36	0.312	52					0.451389	335			649									1250	Unknown		
6772	GirthWeld		18670.4		35.44	39.79	39.79	5030	Valve	18670.4	Valve	47325.52	36	0.312	52					1:16	335			649									1250	Unknown		
6773	GirthWeld		18710.19		39.79	39.47	39.48	5040	Valve	18710.19	Valve	47285.73	36	0.312	52					10:56	335			649									1250	Unknown		
6774	GirthWeld		18749.66		39.47	39.73	39.72	5050	Valve	18749.66	Valve	47246.26	36	0.312	52					0.068056	335			649									1250	Unknown		
6775	GirthWeld		18789.39		39.73	39.85	39.86	5060	Valve	18789.39	Valve	47206.53	36	0.312	52					0.422917	335			649									1250	Unknown		
6776	GirthWeld		18829.24		39.85	39.74	39.73	5070	Valve	18829.24	Valve	47166.68	36	0.312	52					0.516667	335			649									1250	Unknown		
6777	LWFE-MIFE	n/a	18829.98		0.74	38.99	39.73	5070	Valve	18829.98	Valve	47165.94	36	0.312	52	0.24	0.08	3.03	0.28	12:23	335			649									3421	Mill Wall Thinning		
6779	CLUSTER	YES	18836.81		7.57	32.17	39.73	5070	Valve	18836.81	Valve	47159.11	36	0.312	52	0.16	0.05	5.22	0.85	5:50	335	1016	731	649	0.46	1.14							1250	Unknown		
6782	MELO-CORR	YES	18862.66		33.42	6.32	39.73	5070	Valve	18862.66	Valve	47133.26	36	0.312	52	0.15	0.05	1.10	0.20	0.239583	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6783	GirthWeld		18868.98		39.74	39.81	39.82	5080	Valve	18868.98	Valve	47126.94	36	0.312	52					0.44375	335			649									1250	Unknown		
6784	GirthWeld		18908.79		39.81	39.82	39.82	5090	Valve	18908.79	Valve	47087.13	36	0.312	52					0.524306	335			649									1250	Unknown		
6785	MELO-CORR	YES	18909.28		0.49	39.33	39.82	5090	Valve	18909.28	Valve	47086.64	36	0.312	52	0.16	0.05	1.10	0.20	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6786	GirthWeld		18948.61		39.82	39.75	39.75	5100	Valve	18948.61	Valve	47047.31	36	0.312	52					10:53	335			649									1250	Unknown		
6787	GirthWeld		18988.36		39.75	34.41	34.41	5110	Valve	18988.36	Valve	47007.56	36	0.312	52					0.074306	335			649									1250	Unknown		
6788	GirthWeld		19022.77		34.41	39.69	39.69	5120	Valve	19022.77	Valve	46973.15	36	0.312	52					0.475	335			649									1250	Unknown		
6789	GirthWeld		19062.46		39.69	39.79	39.79	5130	Valve	19062.46	Valve	46933.46	36	0.312	52					0.530556	335			649									1250	Unknown		
6790	GirthWeld		19102.25		39.79	39.63	39.63	5140	Valve	19102.25	Valve	46893.67	36	0.312	52					11:14	335			649									1250	Unknown		
6791	MIFE	n/a	19123.94		21.69	17.94	39.63	5140	Valve	19123.94	Valve	46871.98	36	0.312	52					10:13	335			649									2167	Mill Anomaly		
6792	MIFE	n/a	19127.62		25.37	14.26	39.63	5140	Valve	19127.62	Valve	46868.3	36	0.312	52					0.427083	335			649									2167	Mill Anomaly		
6793	GirthWeld		19141.88		39.63	39.89	39.88	5150	Valve	19141.88	Valve	46854.04	36	0.312	52					0.511806	335			649									1250	Unknown		
6794	LWFE-MIFE	n/a	19142.8		0.92	38.97	39.88	5150	Valve	19142.8	Valve	46853.12	36	0.312	52	0.23	0.07	3.11	0.35	0.509722	335			649									3421	Mill Wall Thinning		
6795	GirthWeld		19181.77		39.89	39.04	39.04	5160	Valve	19181.77	Valve	46814.15	36	0.312	52					11:04	335			649									1250	Unknown		
6796	GirthWeld		19220.81		39.04	37.31	37.31	5170	Valve	19220.81	Valve	46775.11	36	0.312	52					12:50	335			649									1250	Unknown		
6797	GirthWeld		19258.12		37.31	39.71	39.71	5180	Valve	19258.12	Valve	46737.8	36	0.312	52					0.470833	335			649									1250	Unknown		
6798	GirthWeld		19297.83		39.71	39.79	39.79	5190	Valve	19297.83	Valve	46698.09	36	0.312	52					0.068056	335			649									1250	Unknown		
6799	MELO-CORR	YES	19317		19.17	20.62	39.79	5190	Valve	19317	Valve	46678.92	36	0.312	52	0.18	0.06	1.02	0.47	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6800	GirthWeld		19337.62		39.79	39.82	39.82	5200	Valve	19337.62	Valve	46658.3	36	0.312	52					10:40	335			649									1250	Unknown		
6801	LWFE-MIFE	n/a	19338.1		0.48	39.34	39.82	5200	Valve	19338.1	Valve	46657.82	36	0.312	52	0.16	0.05	3.23	0.39	10:38	335			649									3421	Mill Wall Thinning		
6802	GirthWeld		19377.44		39.82	39.18	39.19	5210	Valve	19377.44	Valve	46618.48	36	0.312	52					0.529861	335			649									1250	Unknown		
6803	GirthWeld		19416.62		39.18	39.53	39.53	5220	Valve	19416.62	Valve	46579.3	36	0.312	52					0.415278	335			649									1250	Unknown		
6804	GirthWeld		19456.15		39.53	39.84	39.84	5230	Valve	19456.15	Valve	46539.77	36	0.312	52					0.513194	335			649									1250	Unknown		
6805	GirthWeld		19495.99		39.84	39.8	39.79	5240	Valve	19495.99	Valve	46499.93	36	0.312	52					10:26	335			649									1250	Unknown		
6806	MELO-CORR	YES	19497.43		1.44	38.36	39.79	5240	Valve	19497.43	Valve	46498.49	36	0.312	52	0.15	0.05	1.10	0.16	6:13	335	1070	770	649	0.43	1.19							1598	Metal Loss		
6807	MELO-CORR	YES	19514.73		18.74	21.06	39.79	5240	Valve	19514.73	Valve	46481.19	36	0.312	52	0.16	0.05	1.22	0.20	0.261111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6808	MELO-CORR	YES	19521.03		25.04	14.75	39.79	5240	Valve	19521.03	Valve	46474.89	36	0.312	52	0.19	0.06	1.14	0.35	0.21875	335	1067	769	649	0.44	1.18							1598	Metal Loss		
6810	CLUSTER	YES	19522.67		26.67	13.12	39.79	5240	Valve	19522.67	Valve	46473.25	36	0.312	52	0.17	0.05	2.45	0.38	0.220833	335	1051	757	649	0.44	1.17							1250	Unknown		
6813	CLUSTER	YES	19526.72		30.73	9.07	39.79	5240	Valve	19526.72	Valve	46469.2	36	0.312	52	0.24	0.08	2.70	0.41	6:17	335	1033	744	649	0.45	1.16							1250	Unknown		
6815	MELO-CORR	YES	19527.44		31.45	8.34	39.79	5240	Valve	19527.44	Valve	46468.48	36	0.312	52	0.21	0.07	1.10	0.39	5:48	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6816	GirthWeld		19535.79		39.8	39.63	39.64	5250	Valve	19535.79	Valve	46460.13	36	0.312	52					0.540278	335			649									1250	Unknown		
6817	MELO-CORR	YES	19554.95		19.16	20.47	39.64	5250	Valve	19554.95	Valve	46440.97	36	0.312	52	0.16	0.05	1.10	0.20	0.268056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6818	GirthWeld		19575.42		39.63	39.32	39.32	5260	Valve	19575.42	Valve	46420.5	36	0.312	52					0.461111	335			649									1250	Unknown		
6819	GirthWeld		19614.74		39.32	39.73	39.73	5270	Valve	19614.74	Valve	46381.18	36	0.312	52					1:54	335			649									1250	Unknown		
6820	MELO-CORR	YES	19621.61		6.87	32.86	39.73	5270	Valve	19621.61	Valve	46374.31	36	0.312	52	0.17	0.05	1.10	0.20	5:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6821	MELO-CORR	YES	19624.68		9.94	29.8	39.73	5270	Valve	19624.68	Valve	46371.24	36	0.312	52	0.17	0.05	1.22	0.20	0.219444	335	1068	769	649	0.44	1.18							1598	Metal Loss		
6822	GirthWeld		19654.47		39.73	39.79	39.78	5280	Valve	19654.47	Valve	46341.45	36	0.312	52					0.454167	335			649									1250	Unknown		
6823	GirthWeld		19694.26		39.79	39.05	39.06	5290	Valve	19694.26	Valve	46301.66	36	0.312	52					0.5375	335			649									1250	Unknown		
6824	GirthWeld		19733.31		39.05	39.02	39.02	5300	Valve	19733.31	Valve	46262.61	36	0.312	52					10:17	335			649									1250	Unknown		
6825	GirthWeld		19772.33		39.02	36.33	36.33	5310	Valve	19772.33	Valve	46223.59	36	0.312	52					12:30	335			649									1250	Unknown		
6826	GirthWeld		19808.66		36.33	39.84	39.84	5320	Valve	19808.66	Valve	46187.26	36	0.312	52					0.425	335			649									1250	Unknown		
6827	MELO-CORR	YES	19824.4		15.74	24.1	39.84	5320	Valve	19824.4	Valve	46171.52	36	0.312	52	0.18	0.06	1.18	0.20	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
6828	GirthWeld		19848.5		39.84	39.79	39.79	5330	Valve	19848.5	Valve	46147.42	36	0.312	52					0.079167	335			649									1250	Unknown		
6829	MELO-CORR	YES	19869.16		20.66	19.13	39.79	5330	Valve	19869.16	Valve	46126.76	36	0.312	52	0.16	0.05	1.10	0.24	5:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6830	MELO-CORR	YES	19880.49		31.99	7.81	39.79	5330	Valve	19880.49	Valve	46115.43	36	0.312	52	0.15	0.05	1.18	0.20	5:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6831	GirthWeld		19888.29		39.79	39.82	39.82	5340	Valve	19888.29	Valve	46107.63	36	0.312	52					0.441667	335			649									1250	Unknown		
6832	GirthWeld		19928.11		39.82	39.77	39.77	5350	Valve	19928.11	Valve	46067.81	36	0.312	52					0.075	335			649									1250	Unknown		
6833	GirthWeld		19967.88		39.77	38.2	38.2	5360	Valve	19967.88	Valve	46028.04	36	0.312	52					0.446528	335			649									1250	Unknown		
6834	GirthWeld		20006.08		38.2	35.78	35.77	5370	Valve	20006.08	Valve	45989.84	36	0.312	52					1:38	335			649									1250	Unknown		
6835	MELO-COR

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
6855	MELO-CORR	YES	20336.94		26.26	13.54	39.81	5450	Valve	20336.94	Valve	45658.98	36	0.312	52	0.16	0.05	1.10	0.24	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6856	MELO-CORR	YES	20340.11		29.42	10.38	39.81	5450	Valve	20340.11	Valve	45655.82	36	0.312	52	0.16	0.05	1.22	0.20	5:44	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6857	GirthWeld		20350.49		39.81	39.3	39.31	5460	Valve	20350.49	Valve	45645.43	36	0.312	52					0.459722	335			649									1250	Unknown		
6858	MELO-CORR	YES	20367		16.51	22.8	39.31	5460	Valve	20367	Valve	45628.92	36	0.312	52	0.17	0.05	1.14	0.20	0.245139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6859	MELO-CORR	YES	20369.84		19.35	19.95	39.31	5460	Valve	20369.84	Valve	45626.08	36	0.312	52	0.17	0.05	1.14	0.20	0.246528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6860	MELO-CORR	YES	20371.65		21.16	18.15	39.31	5460	Valve	20371.65	Valve	45624.27	36	0.312	52	0.17	0.05	1.10	0.35	5:56	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6861	GirthWeld		20389.79		39.3	39.55	39.54	5470	Valve	20389.79	Valve	45606.13	36	0.312	52					1:08	335			649									1250	Unknown		
6862	MELO-CORR	YES	20391.25		1.46	38.09	39.54	5470	Valve	20391.25	Valve	45604.67	36	0.312	52	0.23	0.07	1.22	0.67	0.254861	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6863	MELO-CORR	YES	20422.89		33.1	6.45	39.54	5470	Valve	20422.89	Valve	45573.03	36	0.312	52	0.19	0.06	1.18	0.35	0.259722	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6864	GirthWeld		20429.34		39.55	38.56	38.57	5480	Valve	20429.34	Valve	45566.58	36	0.312	52					0.4125	335			649									1250	Unknown		
6865	MELO-CORR	YES	20431.67		2.33	36.24	38.57	5480	Valve	20431.67	Valve	45564.25	36	0.312	52	0.24	0.08	1.14	0.20	6:14	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6866	MELO-CORR	YES	20442.03		12.69	25.88	38.57	5480	Valve	20442.03	Valve	45553.89	36	0.312	52	0.2	0.06	1.34	0.20	5:42	335	1064	766	649	0.44	1.18							1598	Metal Loss		
6867	MELO-CORR	YES	20443.42		14.08	24.49	38.57	5480	Valve	20443.42	Valve	45552.5	36	0.312	52	0.17	0.05	0.94	0.43	0.255556	335	1070	771	649	0.43	1.19							1598	Metal Loss		
6868	MELO-CORR	YES	20446.39		17.05	21.51	38.57	5480	Valve	20446.39	Valve	45549.53	36	0.312	52	0.24	0.08	1.18	0.16	0.228472	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6869	MELO-CORR	YES	20455.43		26.09	12.47	38.57	5480	Valve	20455.43	Valve	45540.49	36	0.312	52	0.17	0.05	1.14	0.20	0.259028	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6870	MELO-CORR	YES	20459.07		29.73	8.83	38.57	5480	Valve	20459.07	Valve	45536.85	36	0.312	52	0.15	0.05	1.18	0.16	5:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6872	CLUSTER	YES	20459.38		30.04	8.53	38.57	5480	Valve	20459.38	Valve	45536.54	36	0.312	52	0.17	0.05	2.69	0.88	6:07	335	1047	754	649	0.44	1.17							1250	Unknown		
6874	GirthWeld		20467.9		38.56	36.89	36.89	5490	Valve	20467.9	Valve	45528.01	36	0.312	52					0.055556	335			649									1250	Unknown		
6876	CLUSTER	YES	20468.07		0.17	36.72	36.89	5490	Valve	20468.07	Valve	45527.85	36	0.312	52	0.15	0.05	3.92	0.41	0.250694	335	1034	745	649	0.45	1.15							1250	Unknown		
6878	MELO-CORR	YES	20470.85		2.95	33.95	36.89	5490	Valve	20470.85	Valve	45525.07	36	0.312	52	0.16	0.05	1.14	0.24	0.2375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6879	MELO-CORR	YES	20471.79		3.89	33	36.89	5490	Valve	20471.79	Valve	45524.13	36	0.312	52	0.15	0.05	1.14	0.39	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6880	MELO-CORR	YES	20479.73		11.83	25.06	36.89	5490	Valve	20479.73	Valve	45516.19	36	0.312	52	0.18	0.06	1.22	0.16	5:43	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6881	GirthWeld		20504.79		36.89	39.76	39.75	5500	Valve	20504.79	Valve	45491.13	36	0.312	52					0.425	335			649									1250	Unknown		
6882	MELO-CORR	YES	20532.2		27.4	12.35	39.75	5500	Valve	20532.2	Valve	45463.72	36	0.312	52	0.17	0.05	1.14	0.20	0.23125	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6883	MELO-CORR	YES	20538.29		33.5	6.25	39.75	5500	Valve	20538.29	Valve	45457.63	36	0.312	52	0.2	0.06	1.10	0.24	0.2375	335	1068	769	649	0.44	1.18							1598	Metal Loss		
6884	MELO-CORR	YES	20543.49		38.7	1.06	39.75	5500	Valve	20543.49	Valve	45452.43	36	0.312	52	0.25	0.08	1.10	0.20	6:16	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6885	GirthWeld		20544.55		39.76	39.74	39.75	5510	Valve	20544.55	Valve	45451.37	36	0.312	52					1:01	335			649									1250	Unknown		
6886	MELO-CORR	YES	20547.37		2.82	36.92	39.75	5510	Valve	20547.37	Valve	45448.55	36	0.312	52	0.19	0.06	1.10	0.28	0.238889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6887	GirthWeld		20584.29		39.74	39.3	39.3	5520	Valve	20584.29	Valve	45411.63	36	0.312	52					0.470833	335			649									1250	Unknown		
6888	MELO-CORR	YES	20606.05		21.76	17.54	39.3	5520	Valve	20606.05	Valve	45389.87	36	0.312	52	0.16	0.05	1.10	0.24	0.260417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6889	GirthWeld		20623.59		39.3	39.85	39.85	5530	Valve	20623.59	Valve	45372.33	36	0.312	52					12:56	335			649									1250	Unknown		
6890	GirthWeld		20663.44		39.85	39.86	39.86	5540	Valve	20663.44	Valve	45332.48	36	0.312	52					9:53	335			649									1250	Unknown		
6891	GirthWeld		20703.3		39.86	39.79	39.79	5550	Valve	20703.3	Valve	45292.62	36	0.312	52					0.091667	335			649									1250	Unknown		
6892	MELO-CORR	YES	20711.97		8.67	31.12	39.79	5550	Valve	20711.97	Valve	45283.95	36	0.312	52	0.15	0.05	1.18	0.16	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6893	GirthWeld		20743.09		39.79	39.77	39.78	5560	Valve	20743.09	Valve	45252.83	36	0.312	52					0.463889	335			649									1250	Unknown		
6894	GirthWeld		20782.86		39.77	39.76	39.75	5570	Valve	20782.86	Valve	45213.06	36	0.312	52					1:48	335			649									1250	Unknown		
6895	GirthWeld		20822.62		39.76	38.66	38.66	5580	Valve	20822.62	Valve	45173.3	36	0.312	52					11:09	335			649									1250	Unknown		
6896	GirthWeld		20861.28		38.66	39.81	39.82	5590	Valve	20861.28	Valve	45134.64	36	0.312	52					0.055556	335			649									1250	Unknown		
6897	MELO-CORR	YES	20899.22		37.94	1.87	39.82	5590	Valve	20899.22	Valve	45096.7	36	0.312	52	0.18	0.06	1.10	0.16	0.224306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6898	GirthWeld		20901.09		39.81	35.97	35.96	5600	Valve	20901.09	Valve	45094.83	36	0.312	52					0.420139	335			649									1250	Unknown		
6899	MELO-CORR	YES	20908.99		7.9	28.06	35.96	5600	Valve	20908.99	Valve	45086.93	36	0.312	52	0.16	0.05	1.18	0.20	5:37	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6900	MELO-CORR	YES	20927.71		26.62	9.34	35.96	5600	Valve	20927.71	Valve	45068.21	36	0.312	52	0.15	0.05	1.18	0.32	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6901	GirthWeld		20937.06		35.97	38.63	38.63	5610	Valve	20937.06	Valve	45058.86	36	0.312	52					0.540278	335			649									1250	Unknown		
6903	CLUSTER	YES	20938.09		1.03	37.6	38.63	5610	Valve	20938.09	Valve	45057.83	36	0.312	52	0.15	0.05	9.36	1.04	0.255556	335	991	713	649	0.47	1.11							1250	Unknown		
6909	MELO-CORR	YES	20944.55		7.49	31.13	38.63	5610	Valve	20944.55	Valve	45051.37	36	0.312	52	0.17	0.05	1.14	0.20	0.246528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6911	CLUSTER	YES	20957.51		20.45	18.17	38.63	5610	Valve	20957.51	Valve	45038.41	36	0.312	52	0.16	0.05	1.26	0.38	5:55	335	1068	769	649	0.44	1.18							1250	Unknown		
6913	MELO-CORR	YES	20957.79		20.72	17.9	38.63	5610	Valve	20957.79	Valve	45038.13	36	0.312	52	0.15	0.05	1.18	0.20	6:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6915	CLUSTER	YES	20958.23		21.17	17.45	38.63	5610	Valve	20958.23	Valve	45037.69	36	0.312	52	0.15	0.05	6.77	0.60	0.233333	335	1006	724	649	0.46	1.12							1250	Unknown		
6918	MELO-CORR	YES	20959.03		21.97	16.65	38.63	5610	Valve	20959.03	Valve	45036.89	36	0.312	52	0.17	0.05	1.18	0.20	0.23125	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6919	MELO-CORR	YES	20962.02		24.96	13.66	38.63	5610	Valve	20962.02	Valve	45033.9	36	0.312	52	0.16	0.05	1.18	0.20	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6920	MELO-CORR	YES	20964.08		27.02	11.6	38.63	5610	Valve	20964.08	Valve	45031.84	36	0.312	52	0.17	0.05	1.10	0.20	7:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6921	MELO-CORR	YES	20967.21		30.15	8.47	38.63	5610	Valve	20967.21	Valve	45028.71	36	0.312	52	0.16	0.05	1.10	0.20	6:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6922	GirthWeld		20975.68		38.62	39.64	39.64	5620	Valve	20975.68	Valve	45020.24	36	0.312	52					0.445139	335			649									1250	Unknown		
6923	MELO-CORR	YES	20980.03		4.35	35.29	39.64	5620	Valve	20980.03	Valve	45015.89	36	0.312	52	0.18	0.06	1.10	0.39	0.220833	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6924	MELO-CORR	YES	20980.38		4.7	34.94	39.64	5620	Valve	20980.38	Valve	45015.54	36	0.312	52	0.15	0.05	1.22	0.16	0.222222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6926	CLUSTER	YES	20980.64		4.96	34.68	39.64	5620	Valve	20980.64	Valve	45015.28	36	0.312	52	0.24	0.08	5.46	1.32	5:18	335	978	704	649	0.48	1.12							1250	Unknown		
6931	CLUSTER	YES	20981.65		5.97	33.67	39.64	5620	Valve	20981.65	Valve	45014.27	36	0.312	52	0.18	0.06	2.11	0.60	5:17	335	1054	759	649	0.44	1.17							1250	Unknown		
6934	CLUSTER	YES	20984.11		8.43	31.21	39.64	5620	Valve	20984.11	Valve	45011.81	36	0.312	52	0.22	0.07	3.77	0.63	0.230556	335	1016	731	649	0.46	1.15							1250	Unknown		
6936	MELO-CORR	YES	20984.99		9.31	30.34	39.64	5620	Valve	20984.99	Valve	45010.93	36	0.312	52	0.19	0.06	1.10	0.28	0.224306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6937	MELO-CORR	YES	20985.63		9.95	29.7	39.64	5620	Valve	20985.63	Valve	45010.29	36	0.312	52	0.16	0.05	1.10	0.20	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6938	MELO-CORR	YES	20988.11		12.43	27.22	39.64	5620	Valve	20988.11	Valve	45007.81	36	0.312	52	0.23	0.07	1.22	0.24	5:30	335	1065	767	649	0.44	1.18							1598	Metal Loss		
6939	MELO-CORR	YES	20990.66		14.98	24.66	39.64	5620	Valve	20990.66	Valve	45005.26	36	0.312	52	0.17	0.05	1.18	0.32	5:31	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6941	CLUSTER	YES	20993.57		17.89	21.75	39.64	5620	Valve	20993.57	Valve	45002.35	36	0.312	52	0.16	0.05	4.80	0.54	0.247917	335	1021	735	649	0.46	1.14							1250	Unknown		
6944	CLUSTER	YES	20997.17		21.49	18.16	39.64	5620	Valve	20997.17	Valve	44998.75	36	0.312	52	0.15	0.05	3.54	1.42	0.221528	335	1039	748	649	0.45	1.15							1250	Unknown		
6947	MELO-CORR	YES	20997.91		22.23	17.41	39.64	5620	Valve	20997.91	Valve	44998.01	36	0.312	52	0.16	0.05	1.14	0.20	0.227778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6949	CLUSTER	YES	20998.01		22.33	17.31	39.64	5620	Valve	20998.01	Valve	44997.91	36	0.312	52	0.16	0.05	4.09	0.54	5:02	335	1029	741	649	0.45	1.15							1250	Unknown		
6952	CLUSTER	YES	20998.48		22.8	16.85	39.64	5620	Valve	20998.48	Valve	44997.44	36	0.312	52	0.16	0.05	2.39	0.60	5:04	335	1053	758	649	0.44	1.17							1250	Unknown		
6954	MELO-CORR	YES	20999.26		23.58	16.06	39.64	5620	Valve	20999.26	Valve	44996.66	36	0.312	52	0.18	0.06	1.22	0.16	0.233333	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6955	MELO-CORR	YES	21000.63		24.95	14.7	39.64	5620	Valve	21000.63	Valve	44995.29	36	0.312	52	0.15	0.05	1.18	0.20	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6957	CLUSTER	YES	21001.59		25.91	13.73	39.64	5620	Valve	21001.59	Valve	44994.33	36	0.312	52	0.16	0.05	10.36	3.08	0.223611	335	980	706	649	0.47	1.10							1250	Unknown		
6963	MELO-CORR	YES	21002.64		26.96	12.68	39.64	5620	Valve	21002.64	Valve	44993.28	36	0.312	52	0.15	0.05	1.18	0.16	5:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6964	MELO-CORR	YES	21010.13		34.44	5.2	39.64	5620	Valve	21010.13	Valve	44985.79	36	0.312	52	0.16	0.05	1.10	0.20	6:30	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6966	CLUSTER	YES	21011.92		36.24	3.4	39.64	5620	Valve	21011.92	Valve	44984	36	0.312	52	0.17	0.05	8.90	1.70	0.227083	335	981	707	649	0.47	1.11							1250	Unknown		
6974	CLUSTER	YES	21013.29		37.61	2.03	39.64	5620	Valve	21013.29	Valve	44982.63	36	0.312	52	0.15	0.05	9.37	4.09	0.235417	335	991	713	649	0.47	1.11							1250	Unknown		
6981	GirthWeld		21015.32		39.64	39.67	39.66	5630	Valve	21015.32	Valve	44980.6	36	0.312	52					0.06875	335			649									1250	Unknown		
6982	MELO-CORR	YES	21016.47		1.15	38.51	39.66	5630	Valve	21016.47	Valve	44979.45	36	0.312	52	0.15	0.05	1.22	0.20	6:25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
6983	MELO-CORR	YES	21022.94		7.62	32.04	39.66	5630	Valve	21022.94	Valve	44972.98	36	0.312	52	0.19	0.06	1.10	0.20	6:19	335	1068	769	649	0.44	1.19							1598	Metal Loss		
6984	MELO-CORR	YES	21023.61		8.29	31.38	39.66	5630	Valve	21023.61	Valve	44972.31	36	0.312	52	0.19	0.06	1.22	0.16	0.25	335	1067	768	649	0.44	1.18							1598	Metal Loss		
6985	MELO-CORR	YES	21023.83		8.51	31.15	39.66	5630	Valve	21023.83	Valve	44972.09	36	0.312	52	0.16	0.05	1.10	0.16	0.284028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
6987	CLUSTER	YES	21024.52		9.2	30.47	39.66	5630	Valve	21024.52	Valve	44971.4	36	0.312	52	0.2	0.06	5.70	1.98	0.246528	335	993	715	649	0.47	1.13							1250	Unknown		
6991	CLUSTER	YES	21026.21		10.89	28.78	39.66	5630	Valve	21026.21	Valve	44969.71	36	0.312	52	0.15	0.05	3.06	0.79	5:57	335	1046	753	649	0.44	1.16							1250	Unknown		
6994	CLUSTER	YES	21027.45		12.13	27.54	39.66	5630	Valve	21027.45	Valve	44968.47	36	0.312	52	0.2	0.06	2.52	0.54	5:40	335	1045	752	649	0.45	1.17							1250	Unknown		
6997	CLUSTER	YES	21027.75		12.43	27.23	39.66	5630	Valve	21027.75	Valve	44968.17	36	0.312	52	0.19	0.06	7.78	4.71	0.238889	335	977	704	649	0.48	1.11							1250	Unknown		
7005	MELO-CORR	YES	21028.22		12.9	26.76	39.66	5630	Valve	21028.22	Valve	44967.7	36	0.312	52	0.15	0.05	1.14	0.20	0.214583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7008	CLUSTER	YES	21029.04		13.72	25.95	39.66	5630	Valve	21029.04	Valve	44966.88	36	0.312	52	0.16	0.05	10.75	4.02	0.240278	335	979	705	649	0.48	1.09							1250	Unknown		
7013	MELO-CORR	YES	21030.88		15.56	24.11	39.66	5630	Valve	21030.88	Valve	44965.04	36	0.312	52	0.17	0.05	1.18	0.24	6:34	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7014	MELO-CORR	YES	21031.48		16.16	23.51	39.66	5630	Valve	21031.48	Valve	44964.44	36	0.312	52	0.2	0.06	1.10	0.59	6:12	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7016	CLUSTER	YES	21031.53		16.21	23.46	39.66	5630	Valve	21031.53	Valve	44964.39	36	0.312	52	0.16	0.05	2.68	1.38	0.224306	335	1049	755	649	0.44	1.16							1250	Unknown		
7018	MELO-CORR	YES	21031.89		16.57	23.1	39.66	5630	Valve	21031.89	Valve	44964.03	36	0.312	52	0.25	0.08	1.26	0.20	0.258333	335	1063	765	649	0.44	1.18							1598	Metal Loss		
7019	MELO-CORR	YES	21032.3		16.98	22.68	39.66	5630	Valve	21032.3	Valve	44963.62	36	0.312	52	0.15	0.05	1.10	0.20	0.222222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7021	CLUSTER	YES	21032.53		17.21	22.46	39.66	5630	Valve	21032.53	Valve	44963.39	36	0.312	52	0.19	0.06	6.22	3.55	5:25	335	992	714	649	0.47	1.12							1250	Unknown		
7026	CLUSTER	YES	21032.96		17.64	22.02	39.66	5630	Valve	21032.96	Valve	44962.96	36	0.312	52	0.16	0.05	14.78	5.47	5:36	335	967	696	649	0.48	1.09							1250	Unknown		
7029	CLUSTER	YES	21033.1		17.78	21.88	39.66	5630	Valve	21033.1	Valve	44962.82	36	0.312	52	0.22	0.07	4.99	0.38	0.226389	335	994	716	649	0.47	1.13							1250	Unknown		
7045	CLUSTER	YES	21035.17		19.85	19.81	39.66	5630	Valve	21035.17	Valve	44960.75	36	0.312	52	0.17	0.05	8.57	8.11	0.240972	335	983	708	649	0.47	1.11							1250	Unknown		
7057	CLUSTER	YES	21036.5		21.18	18.48	39.66	5630	Valve	21036.5	Valve	44959.42	36	0.312	52	0.2	0.06	4.75	1.48	0.238889	335	1006	724	649	0.46	1.14							1250	Unknown		
7058	MELO-CORR	YES	21036.61		21.29	18.38	39.66	5630	Valve	21036.61	Valve	44959.31	36	0.312	52	0.16	0.05	1.22	0.20	5:26	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7061	CLUSTER	YES	21037.01		21.69	17.97	39.66	5630	Valve	21037.01	Valve	44958.91	36	0.312	52	0.21	0.07	3.90	1.73	5:53	335	1017	732	649	0.46	1.14							1250	Unknown		
7066	CLUSTER	YES	21038.57		23.25	16.41	39.66	5630	Valve	21038.57	Valve	44957.35	36	0.312	52	0.18	0.06	6.44	1.38	0.254167	335	994	716	649	0.47	1.12							1250	Unknown		
7072	CLUSTER	YES	21039.41		24.09	15.58	39.66	5630	Valve	21039.41	Valve	44956.51	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
7149	CLUSTER	YES	21070.47		15.48	24.27	39.75	5640	Valve	21070.47	Valve	44925.45	36	0.312	52	0.16	0.05	9.11	0.94	5:44	335	986	710	649	0.47	1.11							1250	Unknown		
7155	CLUSTER	YES	21071.76		16.76	22.98	39.75	5640	Valve	21071.76	Valve	44924.16	36	0.312	52	0.2	0.06	9.74	3.08	6:06	335	958	690	649	0.49	1.11							1250	Unknown		
7161	CLUSTER	YES	21073.01		18.02	21.72	39.75	5640	Valve	21073.01	Valve	44922.91	36	0.312	52	0.16	0.05	14.21	4.81	0.222222	335	968	697	649	0.48	1.09							1250	Unknown		
7173	CLUSTER	YES	21077.01		22.02	17.72	39.75	5640	Valve	21077.01	Valve	44918.91	36	0.312	52	0.22	0.07	27.11	6.38	0.229861	335	905	652	649	0.51	1.07							1250	Unknown		
7190	MELO-CORR	YES	21078.57		23.58	16.16	39.75	5640	Valve	21078.57	Valve	44917.35	36	0.312	52	0.16	0.05	0.91	0.20	0.242361	335	1071	771	649	0.43	1.19							1598	Metal Loss		
7195	CLUSTER	YES	21079.41		24.42	15.32	39.75	5640	Valve	21079.41	Valve	44916.51	36	0.312	52	0.17	0.05	47.22	8.86	5:32	335	933	672	649	0.50	1.06							1250	Unknown		
7249	CLUSTER	YES	21092.68		37.69	2.06	39.75	5640	Valve	21092.68	Valve	44903.24	36	0.312	52	0.17	0.05	5.71	1.60	5:43	335	1006	725	649	0.46	1.13							1250	Unknown		
7252	GirthWeld		21094.73		39.74	39.1	39.1	5650	Valve	21094.73	Valve	44901.19	36	0.312	52					0.052083	335			649									1250	Unknown		
7253	MELO-CORR	YES	21095.01		0.28	38.82	39.1	5650	Valve	21095.01	Valve	44900.91	36	0.312	52	0.17	0.05	0.98	0.16	0.2625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7255	CLUSTER	YES	21105.84		11.11	27.99	39.1	5650	Valve	21105.84	Valve	44890.08	36	0.312	52	0.18	0.06	18.61	4.81	0.240972	335	945	681	649	0.49	1.08							1250	Unknown		
7279	CLUSTER	YES	21109.72		14.99	24.11	39.1	5650	Valve	21109.72	Valve	44886.2	36	0.312	52	0.17	0.05	22.78	7.13	5:40	335	948	683	649	0.49	1.05							1250	Unknown		
7305	CLUSTER	YES	21115.34		20.61	18.49	39.1	5650	Valve	21115.34	Valve	44880.58	36	0.312	52	0.16	0.05	11.72	1.45	5:56	335	975	702	649	0.48	1.09							1250	Unknown		
7310	CLUSTER	YES	21115.55		20.82	18.28	39.1	5650	Valve	21115.55	Valve	44880.37	36	0.312	52	0.15	0.05	6.71	1.48	0.227083	335	1007	725	649	0.46	1.13							1250	Unknown		
7319	CLUSTER	YES	21117.59		22.86	16.24	39.1	5650	Valve	21117.59	Valve	44878.33	36	0.312	52	0.19	0.06	1.46	0.69	0.259722	335	1064	766	649	0.44	1.18							1250	Unknown		
7322	CLUSTER	YES	21117.71		22.98	16.12	39.1	5650	Valve	21117.71	Valve	44878.21	36	0.312	52	0.15	0.05	3.91	1.86	0.265278	335	1035	745	649	0.45	1.15							1250	Unknown		
7324	MELO-CORR	YES	21118.98		24.25	14.85	39.1	5650	Valve	21118.98	Valve	44876.94	36	0.312	52	0.15	0.05	1.18	0.16	6:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7326	CLUSTER	YES	21119.26		24.53	14.57	39.1	5650	Valve	21119.26	Valve	44876.66	36	0.312	52	0.16	0.05	18.79	2.42	5:52	335	960	691	649	0.48	1.09							1250	Unknown		
7340	CLUSTER	YES	21121.97		27.24	11.86	39.1	5650	Valve	21121.97	Valve	44873.95	36	0.312	52	0.19	0.06	7.61	6.41	0.227083	335	979	705	649	0.48	1.11							1250	Unknown		
7346	CLUSTER	YES	21131.73		37	2.1	39.1	5650	Valve	21131.73	Valve	44864.19	36	0.312	52	0.17	0.05	11.22	2.36	0.263194	335	970	699	649	0.48	1.10							1250	Unknown		
7355	GirthWeld		21133.83		39.1	22.84	22.84	5660	Valve	21133.83	Valve	44862.09	36	0.312	52					0.45	335			649									1250	Unknown		
7357	CLUSTER	YES	21134.15		0.32	22.52	22.84	5660	Valve	21134.15	Valve	44861.77	36	0.312	52	0.15	0.05	11.64	1.07	5:58	335	982	707	649	0.47	1.09							1250	Unknown		
7364	MELO-CORR	YES	21137.35		3.52	19.33	22.84	5660	Valve	21137.35	Valve	44858.57	36	0.312	52	0.15	0.05	1.10	0.20	6:27	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7366	CLUSTER	YES	21137.5		3.67	19.18	22.84	5660	Valve	21137.5	Valve	44858.42	36	0.312	52	0.18	0.06	6.23	1.82	0.233333	335	997	718	649	0.47	1.12							1250	Unknown		
7371	MELO-CORR	YES	21138.24		4.41	18.43	22.84	5660	Valve	21138.24	Valve	44857.68	36	0.312	52	0.16	0.05	1.14	0.20	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7372	MELO-CORR	YES	21138.43		4.6	18.24	22.84	5660	Valve	21138.43	Valve	44857.49	36	0.312	52	0.15	0.05	1.14	0.32	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7373	MELO-CORR	YES	21139.41		5.58	17.26	22.84	5660	Valve	21139.41	Valve	44856.51	36	0.312	52	0.17	0.05	1.18	0.55	5:44	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7375	CLUSTER	YES	21140.33		6.5	16.34	22.84	5660	Valve	21140.33	Valve	44855.59	36	0.312	52	0.17	0.05	3.84	0.44	5:58	335	1030	741	649	0.45	1.15							1250	Unknown		
7378	CLUSTER	YES	21141.2		7.36	15.48	22.84	5660	Valve	21141.2	Valve	44854.72	36	0.312	52	0.16	0.05	2.84	0.32	0.254861	335	1047	754	649	0.44	1.17							1250	Unknown		
7381	CLUSTER	YES	21142.25		8.42	14.42	22.84	5660	Valve	21142.25	Valve	44853.67	36	0.312	52	0.17	0.05	13.87	2.48	0.243056	335	962	693	649	0.48	1.10							1250	Unknown		
7390	CLUSTER	YES	21147.92		14.09	8.75	22.84	5660	Valve	21147.92	Valve	44848	36	0.312	52	0.15	0.05	15.53	2.55	0.25	335	972	700	649	0.48	1.09							1250	Unknown		
7399	CLUSTER	YES	21152.79		18.96	3.88	22.84	5660	Valve	21152.79	Valve	44843.13	36	0.312	52	0.15	0.05	7.25	1.82	5:55	335	1003	722	649	0.46	1.12							1250	Unknown		
7405	CLUSTER	YES	21154.98		21.15	1.69	22.84	5660	Valve	21154.98	Valve	44840.94	36	0.312	52	0.17	0.05	7.56	1.20	5:58	335	990	713	649	0.47	1.12							1250	Unknown		
7408	GirthWeld		21156.67		22.84	5.33	5.33	5670	Valve	21156.67	Valve	44839.25	36	0.312	52					0.194444	335			649									1250	Unknown		
7409	GirthWeld		21162		5.33	4.99	4.99	5680	Valve	21162	Valve	44833.92	36	0.438	52					UNKN	335			911									1250	Unknown		
7410	MELO-CORR	YES	21162.19		0.19	4.8	4.99	5680	Valve	21162.19	Valve	44833.73	36	0.438	52	0.19	0.08	1.34	0.28	0.2	335	1499	1079	911	0.31	1.19							1598	Metal Loss		
7411	MELO-CORR	YES	21163.33		1.33	3.66	4.99	5680	Valve	21163.33	Valve	44832.59	36	0.438	52	0.15	0.07	1.34	0.32	5:47	335	1501	1081	911	0.31	1.19							1598	Metal Loss		
7412	GirthWeld		21166.99		4.99	5.78	5.78	5690	Valve	21166.99	Valve	44828.93	36	0.312	52					6:56	335			649									1250	Unknown		
7413	LWFE-MIFE	n/a	21167.36		0.37	5.41	5.78	5690	Valve	21167.36	Valve	44828.56	36	0.312	52	0.21	0.07	2.48	0.32	0.288889	335			649									3421	Mill Wall Thinning		
7414	GirthWeld		21172.77		5.78	16.79	16.79	5700	Valve	21172.77	Valve	44823.15	36	0.312	52					0.172917	335			649									1250	Unknown		
7415	MELO-CORR	YES	21180		7.23	9.55	16.79	5700	Valve	21180	Valve	44815.92	36	0.312	52	0.15	0.05	1.10	0.20	0.227083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7416	GirthWeld		21189.56		16.78	39.78	39.78	5710	Valve	21189.56	Valve	44806.36	36	0.312	52					6:25	335			649									1250	Unknown		
7417	GirthWeld		21229.34		39.78	39.89	39.89	5720	Valve	21229.34	Valve	44766.58	36	0.312	52					4:12	335			649									1250	Unknown		
7419	CLUSTER	YES	21255.79		26.45	13.44	39.89	5720	Valve	21255.79	Valve	44740.13	36	0.312	52	0.21	0.07	1.88	0.57	0.245139	335	1055	759	649	0.44	1.17							1250	Unknown		
7421	GirthWeld		21269.23		39.89	39.55	39.55	5730	Valve	21269.23	Valve	44726.69	36	0.312	52					0.263889	335			649									1250	Unknown		
7422	GirthWeld		21308.78		39.55	38.36	38.36	5740	Valve	21308.78	Valve	44687.14	36	0.312	52					0.141667	335			649									1250	Unknown		
7423	GirthWeld		21347.14		38.36	39.79	39.79	5750	Valve	21347.14	Valve	44648.78	36	0.312	52					5:16	335			649									1250	Unknown		
7424	GirthWeld		21386.93		39.79	39.74	39.74	5760	Valve	21386.93	Valve	44608.99	36	0.312	52					2:01	335			649									1250	Unknown		
7426	CLUSTER	YES	21423.18		36.25	3.5	39.74	5760	Valve	21423.18	Valve	44572.74	36	0.312	52	0.19	0.06	3.43	0.47	0.255556	335	1031	742	649	0.45	1.15							1250	Unknown		
7428	GirthWeld		21426.67		39.74	39.12	39.11	5770	Valve	21426.67	Valve	44569.24	36	0.312	52					0.203472	335			649									1250	Unknown		
7429	MELO-CORR	YES	21427.12		0.45	38.67	39.11	5770	Valve	21427.12	Valve	44568.8	36	0.312	52	0.15	0.05	1.18	0.24	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7431	CLUSTER	YES	21430.42		3.75	35.37	39.11	5770	Valve	21430.42	Valve	44565.5	36	0.312	52	0.22	0.07	2.59	1.35	5:32	335	1039	748	649	0.45	1.16							1250	Unknown		
7434	MELO-CORR	YES	21436.78		10.11	29.01	39.11	5770	Valve	21436.78	Valve	44559.14	36	0.312	52	0.17	0.05	1.22	0.16	5:59	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7436	CLUSTER	YES	21437.26		10.59	28.52	39.11	5770	Valve	21437.26	Valve	44558.66	36	0.312	52	0.17	0.05	4.94	0.85	0.235417	335	1015	731	649	0.46	1.13							1250	Unknown		
7441	CLUSTER	YES	21444.77		18.1	21.01	39.11	5770	Valve	21444.77	Valve	44551.15	36	0.312	52	0.15	0.05	4.33	0.69	0.238194	335	1030	741	649	0.45	1.15							1250	Unknown		
7444	CLUSTER	YES	21449.38		22.71	16.41	39.11	5770	Valve	21449.38	Valve	44546.54	36	0.312	52	0.23	0.07	3.19	2.01	0.236111	335	1025	738	649	0.45	1.15							1250	Unknown		
7446	MELO-CORR	YES	21449.89		23.22	15.89	39.11	5770	Valve	21449.89	Valve	44546.03	36	0.312	52	0.15	0.05	1.18	0.24	5:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7447	MELO-CORR	YES	21451.17		24.51	14.61	39.11	5770	Valve	21451.17	Valve	44544.74	36	0.312	52	0.18	0.06	1.10	0.39	6:12	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7448	MELO-CORR	YES	21451.47		24.8	14.32	39.11	5770	Valve	21451.47	Valve	44544.45	36	0.312	52	0.18	0.06	1.42	0.67	0.238889	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7449	MELO-CORR	YES	21454.63		27.96	11.15	39.11	5770	Valve	21454.63	Valve	44541.29	36	0.312	52	0.2	0.06	1.10	0.24	0.236806	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7450	MELO-CORR	YES	21457.71		31.04	8.08	39.11	5770	Valve	21457.71	Valve	44538.21	36	0.312	52	0.15	0.05	1.18	0.24	0.235417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7452	CLUSTER	YES	21459.94		33.27	5.85	39.11	5770	Valve	21459.94	Valve	44535.98	36	0.312	52	0.15	0.05	8.48	2.48	5:44	335	995	717	649	0.47	1.11							1250	Unknown		
7456	MELO-CORR	YES	21462.56		35.89	3.22	39.11	5770	Valve	21462.56	Valve	44533.36	36	0.312	52	0.15	0.05	1.10	0.24	5:44	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7457	MELO-CORR	YES	21463.21		36.54	2.58	39.11	5770	Valve	21463.21	Valve	44532.71	36	0.312	52	0.17	0.05	1.10	0.20	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7458	GirthWeld		21465.79		39.12	39.64	39.65	5780	Valve	21465.79	Valve	44530.13	36	0.312	52					0.514583	335			649									1250	Unknown		
7459	MELO-CORR	YES	21467.36		1.57	38.07	39.65	5780	Valve	21467.36	Valve	44528.56	36	0.312	52	0.16	0.05	1.14	0.20	0.235417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7461	CLUSTER	YES	21468.48		2.69	36.95	39.65	5780	Valve	21468.48	Valve	44527.44	36	0.312	52	0.21	0.07	1.79	0.66	5:40	335	1057	761	649	0.44	1.17							1250	Unknown		
7463	MELO-CORR	YES	21472.08		6.29	33.35	39.65	5780	Valve	21472.08	Valve	44523.84	36	0.312	52	0.17	0.05	1.14	0.20	5:53	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7465	CLUSTER	YES	21483.1		17.31	22.33	39.65	5780	Valve	21483.1	Valve	44512.82	36	0.312	52	0.15	0.05	1.43	1.01	0.249306	335	1067	768	649	0.44	1.18							1250	Unknown		
7468	CLUSTER	YES	21490.41		24.62	15.02	39.65	5780	Valve	21490.41	Valve	44505.51	36	0.312	52	0.17	0.05	6.82	1.95	0.247222	335	996	717	649	0.47	1.10							1250	Unknown		
7470	CLUSTER	YES	21490.45		24.66	14.98	39.65	5780	Valve	21490.45	Valve	44505.47	36	0.312	52	0.18	0.06	2.45	0.79	0.233333	335	1049	756	649	0.44	1.17							1250	Unknown		
7475	MELO-CORR	YES	21491.11		25.32	14.32	39.65	5780	Valve	21491.11	Valve	44504.81	36	0.312	52	0.2	0.06	0.98	0.51	5:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7476	MELO-CORR	YES	21491.69		25.9	13.74	39.65	5780	Valve	21491.69	Valve	44504.23	36	0.312	52	0.16	0.05	1.18	0.24	5:36	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7477	MELO-CORR	YES	21492.15		26.36	13.28	39.65	5780	Valve	21492.15	Valve	44503.77	36	0.312	52	0.2	0.06	1.18	0.20	0.2375	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7479	CLUSTER	YES	21492.37		26.58	13.06	39.65	5780	Valve	21492.37	Valve	44503.55	36	0.312	52	0.17	0.05	5.28	0.66	0.238194	335	1011	728	649	0.46	1.14							1250	Unknown		
7481	MELO-CORR	YES	21496.43		30.64	9.01	39.65	5780	Valve	21496.43	Valve	44499.49	36	0.312	52	0.16	0.05	1.10	0.16	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7482	GirthWeld		21505.43		39.64	39.96	39.96	5790	Valve	21505.43	Valve	44490.49	36	0.312	52					2:50	335			649									1250	Unknown		
7484	CLUSTER	YES	21505.75		0.32	39.64	39.96	5790	Valve	21505.75	Valve	44490.17	36	0.312	52	0.18	0.06	1.18	0.44	6:21	335	1068	769	649	0.44	1.18							1250	Unknown		
7486	MELO-CORR	YES	21507.72		2.29	37.67	39.96	5790	Valve	21507.72	Valve	44488.2	36	0.312	52	0.15	0.05	1.22	0.16	0.234722	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7487	MELO-CORR	YES	21508.28		2.85	37.11	39.96	5790	Valve	21508.28	Valve	44487.64	36	0.312	52	0.16	0.05	1.10	0.24	0.234028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7488	MELO-CORR	YES	21508.71		3.28	36.68	39.96	5790	Valve	21508.71	Valve	44487.21	36	0.312	52	0.15	0.05	1.10	0.16	0.234722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7490	CLUSTER	YES	21509.92		4.49	35.47	39.96	5790	Valve	21509.92	Valve	44486	36	0.312	52	0.21	0.07	4.93	0.94	5:56	335	1000	720	649	0.47	1.14							1250	Unknown		
7494	CLUSTER	YES	21510.08		4.65	35.31	39.96	5790	Valve	21510.08	Valve	44485.85	36	0.312	52	0.18	0.06	2.29	0.38	5:37	335	1052	757	649	0.44	1.17							1250	Unknown		
7498	CLUSTER	YES	21518.15		12.72	27.24	39.96	5790	Valve	21518.15	Valve	44477.77	36	0.312	52	0.18	0.06	3.73	1.92	0.248611	335	1028	740	649	0.45	1.15							1250	Unknown		
7501	CLUSTER	YES	21525.22		19.78	20.17	39.96	5790	Valve	21525.22	Valve	44470.71	36	0.312	52	0.17	0.05	3.53	2.04	0.2375	335	1034	745	649	0.45	1.16							1250	Unknown		
7504	CLUSTER	YES	21529.99		24.56	15.4	39.96	5790	Valve	21529.99	Valve	44465.93	36	0.312	52	0.18	0.06	2.59	0.38	0.247222	335	1047	754	649	0.44	1.17							1250	Unknown		
7506	GirthWeld		21545.39		39.96	39.15	39.15	5800	Valve	21545.39	Valve	44450.53	36	0.312	52					12:29	335			649									1250	Unknown		
7507	GirthWeld		21584.54		39.15	39.83	39.83	5810	Valve	21584.54	Valve	44411.38	36	0.312	52					2:22	335			649									1250	Unknown		
7508	GirthWeld		21624.37		39.83	39.84	39.84	5820	Valve	21624.37	Valve	44371.55	36	0.312	52					0.481944	335			649									1250	Unknown		
7509	MELO-CORR	YES	21639.36		14.99	24.84	39.84	5820	Valve	21639.36	Valve	44356.56	36	0.312	52	0.17	0.05	1.22	0.20	0.251389	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7510	MELO-CORR	YES	21641.14		16.77	23.07	39.84	5820	Valve	21641.14	Valve	44354.78	36	0.312	52	0.18	0.06	1.10	0.20	0.251389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7511	MELO-CORR	YES	21646.15		21.78	18.06	39.84	5820	Valve	21646.15	Valve	44349.77	36	0.312	52	0.2	0.06	1.18	0.39	5:58	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7512	MELO-CORR	YES	21651.8		27.43	12.41	39.84	5820	Valve	21651.8	Valve	44344.12	36	0.312	52	0.15	0.05	1.14	0.39	5:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7514	CLUSTER	YES	21652.16		27.79	12.05	39.84	5820	Valve	21652.16	Valve	44343.76	36	0.312	52	0.19	0.06	2.88	0.54	0.246528	335	1040	749	649	0.45	1.16							1250	Unknown		
7516	MELO-CORR	YES	21663.54		39.17	0.67	39.84	5820	Valve	21663.54	Valve	44332.38	36	0.312	52	0.16	0.05	1.10	0.35	0.245833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7517	GirthWeld		21664.21		39.84	39.8	39.8	5830	Valve	21664.21	Valve	44331.71	36	0.312	52					0.094444	335			649									1250	Unknown		
7519	CLUSTER	YES	21672.79		8.58	31.21	39.8	5830	Valve	21672.79	Valve	44323.13	36	0.312	52	0.16	0.05	2.74	1.67	5:51	335	1049	755	649	0.44	1.17							1250	Unknown		
7521	MELO-CORR	YES	21699.9		35.69	4.11	39.8	5830	Valve	21699.9	Valve	44296.02	36	0.312	52	0.15	0.05	1.14	0.24	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7522	MELO-CORR	YES	21703.2		38.99	0.81	39.8	5830	Valve	21703.2	Valve	44292.72	36	0.312	52	0.15	0.05	1.10	0.35	0.25625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7523	GirthWeld		21704.01		39.8	39.54	39.54	5840	Valve	21704.01	Valve	44291.91	36	0.312	52					0.501389	335			649									1250	Unknown		
7524	MELO-CORR	YES	21707.64		3.63	35.91	39.54	5840	Valve	21707.64	Valve	44288.28

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)								(feet)					
7564	CLUSTER	YES	21757.1		13.55	26.19	39.74	5850	Valve	21757.1	Valve	44238.82	36	0.312	52	0.19	0.06	2.65	2.67	5:42	335	1044	752	649	0.45	1.17							1250	Unknown		
7566	MELO-CORR	YES	21758.76		15.21	24.53	39.74	5850	Valve	21758.76	Valve	44237.16	36	0.312	52	0.15	0.05	1.14	0.20	6:20	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7567	MELO-CORR	YES	21758.99		15.44	24.3	39.74	5850	Valve	21758.99	Valve	44236.93	36	0.312	52	0.21	0.07	1.22	0.20	0.238194	335	1066	767	649	0.44	1.18							1598	Metal Loss		
7569	CLUSTER	YES	21761.63		18.08	21.66	39.74	5850	Valve	21761.63	Valve	44234.29	36	0.312	52	0.2	0.06	1.51	2.23	0.238889	335	1062	765	649	0.44	1.18							1250	Unknown		
7572	CLUSTER	YES	21763.26		19.71	20.03	39.74	5850	Valve	21763.26	Valve	44232.66	36	0.312	52	0.19	0.06	2.46	0.79	0.2375	335	1048	754	649	0.44	1.17							1250	Unknown		
7574	MELO-CORR	YES	21764.11		20.56	19.18	39.74	5850	Valve	21764.11	Valve	44231.82	36	0.312	52	0.18	0.06	1.10	0.24	6:01	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7575	MELO-CORR	YES	21765.38		21.83	17.91	39.74	5850	Valve	21765.38	Valve	44230.54	36	0.312	52	0.16	0.05	1.14	0.16	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7577	CLUSTER	YES	21766.94		23.39	16.35	39.74	5850	Valve	21766.94	Valve	44228.98	36	0.312	52	0.18	0.06	1.98	2.23	0.241667	335	1057	761	649	0.44	1.17							1250	Unknown		
7579	MELO-CORR	YES	21767.26		23.71	16.03	39.74	5850	Valve	21767.26	Valve	44228.66	36	0.312	52	0.16	0.05	1.22	0.20	0.238889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7580	MELO-CORR	YES	21770.62		27.07	12.67	39.74	5850	Valve	21770.62	Valve	44225.3	36	0.312	52	0.2	0.06	1.14	0.32	0.238889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7581	MELO-CORR	YES	21772.78		29.23	10.51	39.74	5850	Valve	21772.78	Valve	44223.14	36	0.312	52	0.16	0.05	1.14	0.28	6:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7583	CLUSTER	YES	21773.32		29.77	9.97	39.74	5850	Valve	21773.32	Valve	44222.6	36	0.312	52	0.21	0.07	9.62	3.24	6:00	335	953	686	649	0.49	1.06							1250	Unknown		
7590	MELO-CORR	YES	21776.22		32.67	7.07	39.74	5850	Valve	21776.22	Valve	44219.7	36	0.312	52	0.15	0.05	1.10	0.35	0.260417	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7592	CLUSTER	YES	21777.09		33.54	6.2	39.74	5850	Valve	21777.09	Valve	44218.83	36	0.312	52	0.21	0.07	9.30	1.79	0.247222	335	955	687	649	0.49	1.10							1250	Unknown		
7596	MELO-CORR	YES	21781.28		37.73	2.01	39.74	5850	Valve	21781.28	Valve	44214.64	36	0.312	52	0.25	0.08	1.10	0.51	0.261111	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7597	GirthWeld		21783.29		39.74	39.75	39.75	5860	Valve	21783.29	Valve	44212.63	36	0.312	52					11:39	335			649									1250	Unknown		
7599	CLUSTER	YES	21783.43		0.14	39.61	39.75	5860	Valve	21783.43	Valve	44212.49	36	0.312	52	0.15	0.05	14.52	4.12	5:31	335	974	701	649	0.48	1.09							1250	Unknown		
7602	CLUSTER	YES	21783.47		0.18	39.57	39.75	5860	Valve	21783.47	Valve	44212.45	36	0.312	52	0.22	0.07	5.76	0.79	0.256944	335	983	708	649	0.47	1.10							1250	Unknown		
7615	MELO-CORR	YES	21784.34		1.05	38.7	39.75	5860	Valve	21784.34	Valve	44211.58	36	0.312	52	0.15	0.05	1.18	0.43	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7617	CLUSTER	YES	21784.74		1.45	38.3	39.75	5860	Valve	21784.74	Valve	44211.18	36	0.312	52	0.15	0.05	5.30	1.35	0.260417	335	1019	734	649	0.46	1.13							1250	Unknown		
7618	MELO-CORR	YES	21784.8		1.51	38.24	39.75	5860	Valve	21784.8	Valve	44211.12	36	0.312	52	0.19	0.06	1.22	0.32	5:45	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7622	CLUSTER	YES	21792.75		9.46	30.29	39.75	5860	Valve	21792.75	Valve	44203.17	36	0.312	52	0.19	0.06	2.00	1.54	5:45	335	1055	760	649	0.44	1.17							1250	Unknown		
7625	CLUSTER	YES	21793.28		9.99	29.76	39.75	5860	Valve	21793.28	Valve	44202.64	36	0.312	52	0.18	0.06	3.92	3.36	0.240972	335	1025	738	649	0.45	1.15							1250	Unknown		
7628	MELO-CORR	YES	21795.69		12.4	27.35	39.75	5860	Valve	21795.69	Valve	44200.23	36	0.312	52	0.19	0.06	1.18	0.20	0.25	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7629	MELO-CORR	YES	21797.18		13.89	25.86	39.75	5860	Valve	21797.18	Valve	44198.74	36	0.312	52	0.17	0.05	1.69	0.55	0.249306	335	1062	765	649	0.44	1.18							1598	Metal Loss		
7630	MELO-CORR	YES	21802.93		19.64	20.11	39.75	5860	Valve	21802.93	Valve	44192.99	36	0.312	52	0.18	0.06	1.14	0.24	5:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7632	CLUSTER	YES	21804.18		20.89	18.86	39.75	5860	Valve	21804.18	Valve	44191.74	36	0.312	52	0.19	0.06	2.30	0.91	5:59	335	1050	756	649	0.44	1.17							1250	Unknown		
7635	MELO-CORR	YES	21808.81		25.52	14.23	39.75	5860	Valve	21808.81	Valve	44187.11	36	0.312	52	0.15	0.05	1.18	0.16	0.238889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7637	CLUSTER	YES	21816.78		33.49	6.26	39.75	5860	Valve	21816.78	Valve	44179.14	36	0.312	52	0.17	0.05	3.68	1.20	0.247917	335	1032	743	649	0.45	1.14							1250	Unknown		
7640	CLUSTER	YES	21819.75		36.46	3.29	39.75	5860	Valve	21819.75	Valve	44176.17	36	0.312	52	0.27	0.08	37.50	2.42	0.246528	335	855	616	649	0.54	1.06							1250	Unknown		
7661	GirthWeld		21823.04		39.75	39.81	39.81	5870	Valve	21823.04	Valve	44172.88	36	0.312	52					2:03	335			649									1250	Unknown		
7663	CLUSTER	YES	21823.26		0.22	39.59	39.81	5870	Valve	21823.26	Valve	44172.66	36	0.312	52	0.16	0.05	14.68	3.05	5:52	335	967	696	649	0.48	1.08							1250	Unknown		
7674	MELO-CORR	YES	21828.35		5.31	34.49	39.81	5870	Valve	21828.35	Valve	44167.57	36	0.312	52	0.18	0.06	1.10	0.39	0.253472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7676	CLUSTER	YES	21831.38		8.33	31.47	39.81	5870	Valve	21831.38	Valve	44164.54	36	0.312	52	0.17	0.05	4.67	0.79	0.247222	335	1018	733	649	0.46	1.14							1250	Unknown		
7679	CLUSTER	YES	21832.46		9.42	30.39	39.81	5870	Valve	21832.46	Valve	44163.46	36	0.312	52	0.15	0.05	1.72	1.45	0.240278	335	1063	765	649	0.44	1.18							1250	Unknown		
7682	CLUSTER	YES	21861.05		38.01	1.8	39.81	5870	Valve	21861.05	Valve	44134.87	36	0.312	52	0.22	0.07	3.71	0.54	6:04	335	1017	732	649	0.46	1.14							1250	Unknown		
7685	GirthWeld		21862.85		39.81	38.16	38.17	5880	Valve	21862.85	Valve	44133.07	36	0.312	52					10:58	335			649									1250	Unknown		
7686	GirthWeld		21901.01		38.17	39.76	39.76	5890	Valve	21901.01	Valve	44094.9	36	0.312	52					0.065278	335			649									1250	Unknown		
7687	MELO-CORR	YES	21928.87		27.86	11.91	39.76	5890	Valve	21928.87	Valve	44067.05	36	0.312	52	0.15	0.05	1.22	0.20	0.249306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7688	GirthWeld		21940.77		39.76	39.56	39.56	5900	Valve	21940.77	Valve	44055.15	36	0.312	52					0.474306	335			649									1250	Unknown		
7689	GirthWeld		21980.33		39.56	39.69	39.69	5910	Valve	21980.33	Valve	44015.59	36	0.312	52					1:27	335			649									1250	Unknown		
7690	GirthWeld		22020.02		39.69	39.42	39.42	5920	Valve	22020.02	Valve	43975.9	36	0.312	52					11:30	335			649									1250	Unknown		
7692	CLUSTER	YES	22021.91		1.89	37.53	39.42	5920	Valve	22021.91	Valve	43974.01	36	0.312	52	0.21	0.07	4.08	0.35	0.241667	335	1013	729	649	0.46	1.15							1250	Unknown		
7694	MELO-CORR	YES	22027.46		7.44	31.99	39.42	5920	Valve	22027.46	Valve	43968.46	36	0.312	52	0.15	0.05	1.14	0.24	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7695	MELO-CORR	YES	22027.99		7.97	31.45	39.42	5920	Valve	22027.99	Valve	43967.93	36	0.312	52	0.16	0.05	1.14	0.35	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7696	MELO-CORR	YES	22034.84		14.82	24.6	39.42	5920	Valve	22034.84	Valve	43961.08	36	0.312	52	0.2	0.06	1.10	0.20	5:58	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7697	MELO-CORR	YES	22036.61		16.58	22.84	39.42	5920	Valve	22036.61	Valve	43959.32	36	0.312	52	0.15	0.05	1.10	0.35	5:50	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7699	CLUSTER	YES	22036.88		16.86	22.56	39.42	5920	Valve	22036.88	Valve	43959.04	36	0.312	52	0.19	0.06	3.79	2.42	0.240972	335	1025	738	649	0.45	1.15							1250	Unknown		
7701	MELO-CORR	YES	22040.53		20.51	18.91	39.42	5920	Valve	22040.53	Valve	43955.39	36	0.312	52	0.17	0.05	1.18	0.20	0.249306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7703	CLUSTER	YES	22043.14		23.12	16.3	39.42	5920	Valve	22043.14	Valve	43952.78	36	0.312	52	0.16	0.05	2.95	1.10	0.245833	335	1045	753	649	0.45	1.16							1250	Unknown		
7705	MELO-CORR	YES	22056.58		36.56	2.86	39.42	5920	Valve	22056.58	Valve	43939.34	36	0.312	52	0.15	0.05	1.10	0.35	5:48	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7707	CLUSTER	YES	22057.22		37.2	2.22	39.42	5920	Valve	22057.22	Valve	43938.7	36	0.312	52	0.16	0.05	3.80	2.01	5:51	335	1033	744	649	0.45	1.15							1250	Unknown		
7710	GirthWeld		22059.44		39.42	39.85	39.85	5930	Valve	22059.44	Valve	43936.48	36	0.312	52					0.049306	335			649									1250	Unknown		
7712	CLUSTER	YES	22062.53		3.09	36.76	39.85	5930	Valve	22062.53	Valve	43933.39	36	0.312	52	0.2	0.06	1.94	1.26	0.244444	335	1055	760	649	0.44	1.17							1250	Unknown		
7714	GirthWeld		22099.29		39.85	39.79	39.79	5940	Valve	22099.29	Valve	43896.63	36	0.312	52					0.475	335			649									1250	Unknown		
7716	CLUSTER	YES	22099.54		0.25	39.54	39.79	5940	Valve	22099.54	Valve	43896.38	36	0.312	52	0.15	0.05	7.45	1.86	5:54	335	1001	721	649	0.46	1.12							1250	Unknown		
7720	MELO-CORR	YES	22104.16		4.87	34.91	39.79	5940	Valve	22104.16	Valve	43891.76	36	0.312	52	0.18	0.06	1.18	0.20	5:53	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7721	MELO-CORR	YES	22108.27		8.98	30.81	39.79	5940	Valve	22108.27	Valve	43887.65	36	0.312	52	0.19	0.06	1.14	0.24	0.251389	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7722	MELO-CORR	YES	22109.41		10.12	29.67	39.79	5940	Valve	22109.41	Valve	43886.51	36	0.312	52	0.19	0.06	1.18	0.32	0.256944	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7724	CLUSTER	YES	22110.76		11.47	28.31	39.79	5940	Valve	22110.76	Valve	43885.16	36	0.312	52	0.21	0.07	5.35	2.58	0.249306	335	993	715	649	0.47	1.12							1250	Unknown		
7727	MELO-CORR	YES	22114.6		15.31	24.47	39.79	5940	Valve	22114.6	Valve	43881.32	36	0.312	52	0.18	0.06	1.18	0.16	6:01	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7729	CLUSTER	YES	22115.47		16.18	23.61	39.79	5940	Valve	22115.47	Valve	43880.45	36	0.312	52	0.16	0.05	2.88	1.20	5:55	335	1046	753	649	0.44	1.16							1250	Unknown		
7732	CLUSTER	YES	22119.43		20.14	19.65	39.79	5940	Valve	22119.43	Valve	43876.49	36	0.312	52	0.19	0.06	2.47	0.66	0.25	335	1047	754	649	0.44	1.17							1250	Unknown		
7734	MELO-CORR	YES	22120.61		21.32	18.46	39.79	5940	Valve	22120.61	Valve	43875.31	36	0.312	52	0.15	0.05	1.18	0.16	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7736	CLUSTER	YES	22122.32		23.03	16.76	39.79	5940	Valve	22122.32	Valve	43873.6	36	0.312	52	0.15	0.05	2.17	1.95	0.244444	335	1058	762	649	0.44	1.17							1250	Unknown		
7738	MELO-CORR	YES	22123.17		23.88	15.91	39.79	5940	Valve	22123.17	Valve	43872.75	36	0.312	52	0.15	0.05	1.10	0.35	5:59	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7739	MELO-CORR	YES	22124.16		24.87	14.91	39.79	5940	Valve	22124.16	Valve	43871.76	36	0.312	52	0.15	0.05	1.10	0.20	5:54	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7741	CLUSTER	YES	22125.42		26.13	13.66	39.79	5940	Valve	22125.42	Valve	43870.5	36	0.312	52	0.24	0.08	4.31	2.33	0.241667	335	999	719	649	0.47	1.14							1250	Unknown		
7744	MELO-CORR	YES	22130.31		31.02	8.77	39.79	5940	Valve	22130.31	Valve	43865.61	36	0.312	52	0.15	0.05	1.14	0.16	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7745	MELO-CORR	YES	22130.46		31.17	8.62	39.79	5940	Valve	22130.46	Valve	43865.46	36	0.312	52	0.21	0.07	1.14	0.16	0.255556	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7747	CLUSTER	YES	22133.35		34.06	5.73	39.79	5940	Valve	22133.35	Valve	43862.57	36	0.312	52	0.15	0.05	4.00	0.72	5:51	335	1034	744	649	0.45	1.15							1250	Unknown		
7750	CLUSTER	YES	22136.01		36.72	3.06	39.79	5940	Valve	22136.01	Valve	43859.91	36	0.312	52	0.18	0.06	3.14	1.38	5:50	335	1038	747	649	0.45	1.16							1250	Unknown		
7752	MELO-CORR	YES	22136.99		37.7	2.09	39.79	5940	Valve	22136.99	Valve	43858.93	36	0.312	52	0.23	0.07	1.14	0.20	0.242361	335	1066	767	649	0.44	1.18							1598	Metal Loss		
7753	MELO-CORR	YES	22137.05		37.76	2.02	39.79	5940	Valve	22137.05	Valve	43858.87	36	0.312	52	0.23	0.07	1.10	0.20	0.252778	335	1066	768	649	0.44	1.18							1598	Metal Loss		
7755	CLUSTER	YES	22137.67		38.38	1.4	39.79	5940	Valve	22137.67	Valve	43858.25	36	0.312	52	0.24	0.08	6.73	2.48	0.240972	335	961	692	649	0.48	1.11							1250	Unknown		
7759	GirthWeld		22139.08		39.79	38.18	38.19	5950	Valve	22139.08	Valve	43856.84	36	0.312	52					1:29	335			649									1250	Unknown		
7761	CLUSTER	YES	22139.54		0.45	37.73	38.19	5950	Valve	22139.54	Valve	43856.38	36	0.312	52	0.17	0.05	9.96	1.38	5:55	335	976	702	649	0.48	1.10							1250	Unknown		
7766	MELO-CORR	YES	22140.63		1.55	36.63	38.19	5950	Valve	22140.63	Valve	43855.29	36	0.312	52	0.15	0.05	1.10	0.35	0.258333	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7768	CLUSTER	YES	22141.9		2.82	35.36	38.19	5950	Valve	22141.9	Valve	43854.02	36	0.312	52	0.17	0.05	2.29	0.44	0.250694	335	1053	758	649	0.44	1.17							1250	Unknown		
7771	CLUSTER	YES	22144.04		4.96	33.22	38.19	5950	Valve	22144.04	Valve	43851.88	36	0.312	52	0.21	0.07	3.59	2.55	0.241667	335	1022	736	649	0.46	1.15							1250	Unknown		
7775	MELO-CORR	YES	22151.6		12.52	25.66	38.19	5950	Valve	22151.6	Valve	43844.32	36	0.312	52	0.24	0.08	1.18	0.51	6:15	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7776	MELO-CORR	YES	22152.75		13.67	24.51	38.19	5950	Valve	22152.75	Valve	43843.17	36	0.312	52	0.23	0.07	1.10	0.24	6:02	335	1066	768	649	0.44	1.18							1598	Metal Loss		
7777	MELO-CORR	YES	22156.65		17.57	20.61	38.19	5950	Valve	22156.65	Valve	43839.27	36	0.312	52	0.25	0.08	1.14	0.20	0.248611	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7778	MELO-CORR	YES	22158.31		19.23	18.95	38.19	5950	Valve	22158.31	Valve	43837.6	36	0.312	52	0.18	0.06	1.18	0.16	0.250694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7779	MELO-CORR	YES	22158.6		19.52	18.66	38.19	5950	Valve	22158.6	Valve	43837.32	36	0.312	52	0.22	0.07	1.18	0.28	0.251389	335	1066	767	649	0.44	1.18							1598	Metal Loss		
7780	MELO-CORR	YES	22165.99		26.9	11.28	38.19	5950	Valve	22165.99	Valve	43829.93	36	0.312	52	0.2	0.06	1.14	0.35	6:11	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7781	MELO-CORR	YES	22168.12		29.04	9.14	38.19	5950	Valve	22168.12	Valve	43827.8	36	0.312	52	0.23	0.07	1.18	0.24	6:02	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7782	MELO-CORR	YES	22170.01		30.93	7.25	38.19	5950	Valve	22170.01	Valve	43825.91	36	0.312	52	0.15	0.05	1.14	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7783	MELO-CORR	YES	22170.62		31.54	6.64	38.19	5950	Valve	22170.62	Valve	43825.3	36	0.312	52	0.16	0.05	1.22	0.28	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7784	GirthWeld		22177.26		38.18	39.64	39.64	5960	Valve	22177.26	Valve	43818.66	36	0.312	52					0.477778	335			649									1250	Unknown		
7786	CLUSTER	YES	22177.72		0.46	39.18	39.64	5960	Valve	22177.72	Valve	43818.2	36	0.312	52	0.21	0.07	10.76	1.04	5:54	335	946	681	649	0.49	1.07							1250	Unknown		
7791	MELO-CORR	YES	22186.64		9.38	30.26	39.64	5960	Valve	22186.64	Valve	43809.28	36	0.312	52	0.21	0.07	1.18	0.16	5:59	335	1066	768	649	0.44	1.18							1598	Metal Loss		
7792	MELO-CORR	YES	22188.1		10.84	28.8	39.64	5960	Valve	22188.1	Valve	43807.82	36	0.312	52	0.16	0.05	1.18	0.16	0.242361	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7793	MELO-CORR	YES	22190.06		12.8	26.84	39.64	5960	Valve	22190.06	Valve	43805.86	36	0.312	52	0.19	0.06	1.18	0.43	0.260417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7794	MELO-CORR	YES	22195.81		18.55	21.09	39.64	5960	Valve	22195.81	Valve	43800.11	36	0.312	52	0.2	0.06	1.22	0.39	0.239583	335	1066	768	649	0.44	1.18							1598	Metal Loss		
7795	MELO-CORR	YES	22196.9		19.64	20	39.64	5960	Valve	22196.9	Valve	43799.02	36	0.312	52	0.15	0.05	1.18	0.39	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7796	MELO-CORR	YES	22199.13		21.87	17.77	39.64	5960	Valve	22199.13	Valve	43796.79	36	0.312	52	0.21	0.07	1.22	0.32	5:48	335	1066	767	649	0.44

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
								Upstream (U/S)		Downstream (D/S)												Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
7837	GirthWeld		22256.81		39.91	39.75	39.74	5980	Valve	22256.81	Valve	43739.11	36	0.312	52					11:06	335			649									1250	Unknown		
7838	MELO-CORR	YES	22258.93		2.12	37.63	39.74	5980	Valve	22258.93	Valve	43736.99	36	0.312	52	0.22	0.07	1.18	0.20	6:02	335	1066	767	649	0.44	1.18							1598	Metal Loss		
7839	MELO-CORR	YES	22260.92		4.11	35.64	39.74	5980	Valve	22260.92	Valve	43735	36	0.312	52	0.16	0.05	1.14	0.20	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7840	MELO-CORR	YES	22264.92		8.11	31.64	39.74	5980	Valve	22264.92	Valve	43731	36	0.312	52	0.17	0.05	1.18	0.24	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7842	CLUSTER	YES	22271.83		15.02	24.72	39.74	5980	Valve	22271.83	Valve	43724.09	36	0.312	52	0.15	0.05	2.74	0.50	0.247917	335	1050	756	649	0.44	1.17							1250	Unknown		
7844	MELO-CORR	YES	22274.12		17.31	22.43	39.74	5980	Valve	22274.12	Valve	43721.8	36	0.312	52	0.15	0.05	1.10	0.16	5:59	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7846	CLUSTER	YES	22277.78		20.97	18.78	39.74	5980	Valve	22277.78	Valve	43718.14	36	0.312	52	0.15	0.05	2.83	0.47	5:58	335	1049	755	649	0.44	1.16							1250	Unknown		
7849	CLUSTER	YES	22288.88		32.07	7.67	39.74	5980	Valve	22288.88	Valve	43707.04	36	0.312	52	0.16	0.05	2.99	0.41	0.25	335	1045	752	649	0.45	1.16							1250	Unknown		
7851	GirthWeld		22296.56		39.75	39.12	39.12	5990	Valve	22296.56	Valve	43699.36	36	0.312	52					0.063194	335			649									1250	Unknown		
7852	MELO-CORR	YES	22297.45		0.89	38.22	39.12	5990	Valve	22297.45	Valve	43698.47	36	0.312	52	0.17	0.05	1.18	0.20	0.244444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7854	CLUSTER	YES	22297.81		1.25	37.86	39.12	5990	Valve	22297.81	Valve	43698.11	36	0.312	52	0.24	0.08	3.56	0.35	6:01	335	1013	730	649	0.46	1.14							1250	Unknown		
7856	MELO-CORR	YES	22299.57		3.01	36.1	39.12	5990	Valve	22299.57	Valve	43696.35	36	0.312	52	0.16	0.05	1.18	0.20	6:03	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7857	MELO-CORR	YES	22301.39		4.83	34.29	39.12	5990	Valve	22301.39	Valve	43694.53	36	0.312	52	0.15	0.05	1.22	0.24	0.257639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7859	CLUSTER	YES	22304.88		8.32	30.8	39.12	5990	Valve	22304.88	Valve	43691.04	36	0.312	52	0.18	0.06	2.78	0.60	0.25	335	1044	751	649	0.45	1.16							1250	Unknown		
7862	CLUSTER	YES	22310.79		14.23	24.88	39.12	5990	Valve	22310.79	Valve	43685.13	36	0.312	52	0.17	0.05	2.02	0.72	0.250694	335	1057	761	649	0.44	1.18							1250	Unknown		
7865	CLUSTER	YES	22314.47		17.91	21.21	39.12	5990	Valve	22314.47	Valve	43681.45	36	0.312	52	0.16	0.05	2.48	1.45	5:52	335	1052	757	649	0.44	1.17							1250	Unknown		
7867	MELO-CORR	YES	22315.15		18.59	20.52	39.12	5990	Valve	22315.15	Valve	43680.77	36	0.312	52	0.15	0.05	1.14	0.24	6:03	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7869	CLUSTER	YES	22317.28		20.72	18.4	39.12	5990	Valve	22317.28	Valve	43678.64	36	0.312	52	0.24	0.08	2.45	0.50	0.248611	335	1039	748	649	0.45	1.16							1250	Unknown		
7871	MELO-CORR	YES	22320.46		23.9	15.21	39.12	5990	Valve	22320.46	Valve	43675.46	36	0.312	52	0.15	0.05	1.22	0.47	0.251389	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7872	MELO-CORR	YES	22320.92		24.36	14.75	39.12	5990	Valve	22320.92	Valve	43675	36	0.312	52	0.2	0.06	1.18	0.16	0.252083	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7873	MELO-CORR	YES	22324.42		27.86	11.25	39.12	5990	Valve	22324.42	Valve	43671.49	36	0.312	52	0.19	0.06	1.18	0.20	5:51	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7874	MELO-CORR	YES	22325.01		28.44	10.67	39.12	5990	Valve	22325.01	Valve	43670.91	36	0.312	52	0.16	0.05	1.22	0.20	5:58	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7876	CLUSTER	YES	22326.12		29.56	9.56	39.12	5990	Valve	22326.12	Valve	43669.8	36	0.312	52	0.18	0.06	1.86	1.20	0.248611	335	1059	762	649	0.44	1.17							1250	Unknown		
7879	CLUSTER	YES	22327.45		30.88	8.23	39.12	5990	Valve	22327.45	Valve	43668.47	36	0.312	52	0.18	0.06	1.79	0.50	0.249306	335	1060	763	649	0.44	1.18							1250	Unknown		
7881	MELO-CORR	YES	22329.46		32.9	6.22	39.12	5990	Valve	22329.46	Valve	43666.46	36	0.312	52	0.15	0.05	1.10	0.20	0.252083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7882	MELO-CORR	YES	22330.93		34.37	4.75	39.12	5990	Valve	22330.93	Valve	43664.99	36	0.312	52	0.16	0.05	1.18	0.39	5:56	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7883	MELO-CORR	YES	22331.82		35.26	3.85	39.12	5990	Valve	22331.82	Valve	43664.1	36	0.312	52	0.18	0.06	1.22	0.24	6:04	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7885	CLUSTER	YES	22332.23		35.67	3.45	39.12	5990	Valve	22332.23	Valve	43663.69	36	0.312	52	0.18	0.06	1.64	1.60	0.25	335	1062	764	649	0.44	1.18							1250	Unknown		
7887	MELO-CORR	YES	22333.44		36.88	2.24	39.12	5990	Valve	22333.44	Valve	43662.48	36	0.312	52	0.2	0.06	1.14	0.16	0.25625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7888	GirthWeld		22335.68		39.12	39.94	39.94	6000	Valve	22335.68	Valve	43660.24	36	0.312	52					0.454861	335			649									1250	Unknown		
7889	MELO-CORR	YES	22340.43		4.75	35.19	39.94	6000	Valve	22340.43	Valve	43655.49	36	0.312	52	0.19	0.06	0.91	0.39	5:55	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7890	MELO-CORR	YES	22345.94		10.26	29.68	39.94	6000	Valve	22345.94	Valve	43649.98	36	0.312	52	0.19	0.06	1.22	0.35	5:58	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7892	CLUSTER	YES	22365.15		29.47	10.47	39.94	6000	Valve	22365.15	Valve	43630.77	36	0.312	52	0.2	0.06	2.16	1.54	0.245833	335	1051	757	649	0.44	1.17							1250	Unknown		
7894	GirthWeld		22375.62		39.94	39.79	39.79	6010	Valve	22375.62	Valve	43620.3	36	0.312	52					0.052778	335			649									1250	Unknown		
7896	CLUSTER	YES	22378.34		2.72	37.07	39.79	6010	Valve	22378.34	Valve	43617.58	36	0.312	52	0.24	0.08	2.71	0.91	0.247917	335	1033	744	649	0.45	1.16							1250	Unknown		
7899	MELO-CORR	YES	22380.26		4.64	35.16	39.79	6010	Valve	22380.26	Valve	43615.66	36	0.312	52	0.15	0.05	1.18	0.24	6:10	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7901	CLUSTER	YES	22381.08		5.46	34.34	39.79	6010	Valve	22381.08	Valve	43614.84	36	0.312	52	0.16	0.05	2.36	1.07	5:58	335	1054	759	649	0.44	1.17							1250	Unknown		
7904	CLUSTER	YES	22381.47		5.85	33.94	39.79	6010	Valve	22381.47	Valve	43614.45	36	0.312	52	0.22	0.07	1.74	1.07	0.25	335	1057	761	649	0.44	1.18							1250	Unknown		
7907	CLUSTER	YES	22381.73		6.11	33.68	39.79	6010	Valve	22381.73	Valve	43614.19	36	0.312	52	0.24	0.08	2.15	0.47	0.251389	335	1045	753	649	0.45	1.17							1250	Unknown		
7909	MELO-CORR	YES	22382.74		7.12	32.67	39.79	6010	Valve	22382.74	Valve	43613.18	36	0.312	52	0.23	0.07	1.34	0.16	0.253472	335	1063	765	649	0.44	1.18							1598	Metal Loss		
7911	CLUSTER	YES	22385.46		9.84	29.96	39.79	6010	Valve	22385.46	Valve	43610.46	36	0.312	52	0.24	0.08	1.50	0.88	5:58	335	1059	763	649	0.44	1.18							1250	Unknown		
7913	MELO-CORR	YES	22385.97		10.35	29.45	39.79	6010	Valve	22385.97	Valve	43609.95	36	0.312	52	0.17	0.05	1.22	0.28	6:02	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7915	CLUSTER	YES	22386.55		10.93	28.87	39.79	6010	Valve	22386.55	Valve	43609.37	36	0.312	52	0.18	0.06	1.56	1.10	0.25625	335	1063	765	649	0.44	1.18							1250	Unknown		
7918	CLUSTER	YES	22386.96		11.34	28.45	39.79	6010	Valve	22386.96	Valve	43608.96	36	0.312	52	0.17	0.05	2.02	1.20	0.252083	335	1057	761	649	0.44	1.17							1250	Unknown		
7921	CLUSTER	YES	22389.83		14.21	25.58	39.79	6010	Valve	22389.83	Valve	43606.09	36	0.312	52	0.18	0.06	2.44	1.01	0.245833	335	1049	756	649	0.44	1.17							1250	Unknown		
7924	CLUSTER	YES	22390.28		14.66	25.13	39.79	6010	Valve	22390.28	Valve	43605.64	36	0.312	52	0.18	0.06	2.15	2.14	5:48	335	1054	759	649	0.44	1.17							1250	Unknown		
7927	CLUSTER	YES	22392.98		17.36	22.43	39.79	6010	Valve	22392.98	Valve	43602.94	36	0.312	52	0.19	0.06	2.51	2.42	5:49	335	1046	753	649	0.44	1.16							1250	Unknown		
7929	MELO-CORR	YES	22395.11		19.49	20.3	39.79	6010	Valve	22395.11	Valve	43600.81	36	0.312	52	0.19	0.06	1.22	0.20	0.251389	335	1067	768	649	0.44	1.18							1598	Metal Loss		
7930	MELO-CORR	YES	22395.55		19.93	19.86	39.79	6010	Valve	22395.55	Valve	43600.37	36	0.312	52	0.17	0.05	1.18	0.24	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7931	MELO-CORR	YES	22402.7		27.08	12.71	39.79	6010	Valve	22402.7	Valve	43593.22	36	0.312	52	0.21	0.07	1.10	0.24	0.252778	335	1067	769	649	0.44	1.18							1598	Metal Loss		
7933	CLUSTER	YES	22407.54		31.92	7.87	39.79	6010	Valve	22407.54	Valve	43588.38	36	0.312	52	0.21	0.07	2.86	1.38	5:52	335	1036	746	649	0.45	1.16							1250	Unknown		
7935	MELO-CORR	YES	22410.32		34.7	5.09	39.79	6010	Valve	22410.32	Valve	43585.6	36	0.312	52	0.21	0.07	1.22	0.20	6:04	335	1066	767	649	0.44	1.18							1598	Metal Loss		
7937	CLUSTER	YES	22410.54		34.92	4.88	39.79	6010	Valve	22410.54	Valve	43585.38	36	0.312	52	0.22	0.07	2.52	0.47	0.254167	335	1041	750	649	0.45	1.16							1250	Unknown		
7939	MELO-CORR	YES	22410.75		35.13	4.66	39.79	6010	Valve	22410.75	Valve	43585.17	36	0.312	52	0.16	0.05	1.14	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7941	CLUSTER	YES	22411.99		36.37	3.42	39.79	6010	Valve	22411.99	Valve	43583.93	36	0.312	52	0.16	0.05	1.57	1.89	0.245139	335	1064	766	649	0.44	1.18							1250	Unknown		
7944	CLUSTER	YES	22412.8		37.18	2.61	39.79	6010	Valve	22412.8	Valve	43583.12	36	0.312	52	0.23	0.07	2.42	2.26	5:51	335	1041	749	649	0.45	1.17							1250	Unknown		
7946	GirthWeld		22415.41		39.79	38.34	38.34	6020	Valve	22415.41	Valve	43580.51	36	0.312	52					11:13	335			649									1250	Unknown		
7948	CLUSTER	YES	22415.59		0.18	38.17	38.34	6020	Valve	22415.59	Valve	43580.33	36	0.312	52	0.28	0.09	17.75	3.58	0.238889	335	871	627	649	0.53	1.07							1250	Unknown		
7959	MELO-CORR	YES	22417.12		1.71	36.63	38.34	6020	Valve	22417.12	Valve	43578.8	36	0.312	52	0.26	0.08	1.10	0.20	0.240972	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7960	MELO-CORR	YES	22417.47		2.06	36.28	38.34	6020	Valve	22417.47	Valve	43578.45	36	0.312	52	0.16	0.05	1.02	0.32	0.245139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
7962	CLUSTER	YES	22417.64		2.23	36.11	38.34	6020	Valve	22417.64	Valve	43578.28	36	0.312	52	0.16	0.05	4.21	2.70	5:44	335	1028	740	649	0.45	1.14							1250	Unknown		
7966	MELO-CORR	YES	22420.5		5.09	33.25	38.34	6020	Valve	22420.5	Valve	43575.42	36	0.312	52	0.16	0.05	1.10	0.24	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7967	MELO-CORR	YES	22422.15		6.74	31.6	38.34	6020	Valve	22422.15	Valve	43573.77	36	0.312	52	0.15	0.05	1.14	0.24	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7968	MELO-CORR	YES	22424.41		9	29.34	38.34	6020	Valve	22424.41	Valve	43571.51	36	0.312	52	0.19	0.06	1.10	0.16	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
7970	CLUSTER	YES	22424.6		9.19	29.15	38.34	6020	Valve	22424.6	Valve	43571.32	36	0.312	52	0.21	0.07	6.60	0.76	0.249306	335	978	704	649	0.48	1.10							1250	Unknown		
7974	CLUSTER	YES	22427.43		12.02	26.32	38.34	6020	Valve	22427.43	Valve	43568.49	36	0.312	52	0.15	0.05	2.26	0.41	5:59	335	1057	761	649	0.44	1.17							1250	Unknown		
7976	MELO-CORR	YES	22428.68		13.27	25.08	38.34	6020	Valve	22428.68	Valve	43567.24	36	0.312	52	0.24	0.08	1.22	0.16	6:04	335	1064	766	649	0.44	1.18							1598	Metal Loss		
7977	MELO-CORR	YES	22433.61		18.2	20.14	38.34	6020	Valve	22433.61	Valve	43562.31	36	0.312	52	0.15	0.05	1.22	0.16	0.244444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
7978	MELO-CORR	YES	22434.15		18.74	19.6	38.34	6020	Valve	22434.15	Valve	43561.77	36	0.312	52	0.22	0.07	1.22	0.35	0.252083	335	1065	767	649	0.44	1.18							1598	Metal Loss		
7980	CLUSTER	YES	22435.42		20.01	18.33	38.34	6020	Valve	22435.42	Valve	43560.5	36	0.312	52	0.18	0.06	2.08	0.76	0.25	335	1055	760	649	0.44	1.17							1250	Unknown		
7983	CLUSTER	YES	22442.06		26.65	11.7	38.34	6020	Valve	22442.06	Valve	43553.86	36	0.312	52	0.2	0.06	3.06	1.51	6:00	335	1034	745	649	0.45	1.16							1250	Unknown		
7985	MELO-CORR	YES	22443.45		28.04	10.3	38.34	6020	Valve	22443.45	Valve	43552.47	36	0.312	52	0.15	0.05	1.14	0.16	6:03	335	1069	770	649	0.44	1.19							1598	Metal Loss		
7986	MELO-CORR	YES	22443.76		28.35	9.99	38.34	6020	Valve	22443.76	Valve	43552.16	36	0.312	52	0.2	0.06	1.22	0.20	0.25	335	1066	768	649	0.44	1.18							1598	Metal Loss		
7988	CLUSTER	YES	22443.98		28.57	9.77	38.34	6020	Valve	22443.98	Valve	43551.94	36	0.312	52	0.24	0.08	4.15	0.94	0.252083	335	1002	721	649	0.46	1.13							1250	Unknown		
7992	CLUSTER	YES	22445		29.59	8.75	38.34	6020	Valve	22445	Valve	43550.92	36	0.312	52	0.29	0.09	1.98	0.63	0.250694	335	1043	751	649	0.45	1.16							1250	Unknown		
7994	MELO-CORR	YES	22445.55		30.14	8.2	38.34	6020	Valve	22445.55	Valve	43550.37	36	0.312	52	0.31	0.10	1.02	0.47	6:02	335	1064	766	649	0.44	1.18							1598	Metal Loss		
7995	GirthWeld		22453.75		38.34	39.77	39.77	6030	Valve	22453.75	Valve	43542.17	36	0.312	52					12:55	335			649									1250	Unknown		
7996	MELO-CORR	YES	22463.01		9.26	30.51	39.77	6030	Valve	22463.01	Valve	43532.91	36	0.312	52	0.17	0.05	1.22	0.16	0.253472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
7997	MIFE	n/a	22468.19		14.44	25.33	39.77	6030	Valve	22468.19	Valve	43527.73	36	0.312	52					0.371528	335			649									2167	Mill Anomaly		
7999	CLUSTER	YES	22472.35		18.6	21.17	39.77	6030	Valve	22472.35	Valve	43523.57	36	0.312	52	0.16	0.05	8.45	1.38	0.247917	335	990	712	649	0.47	1.11							1250	Unknown		
8003	MELO-CORR	YES	22477.29		23.54	16.23	39.77	6030	Valve	22477.29	Valve	43518.63	36	0.312	52	0.17	0.05	1.18	0.20	6:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
8004	GirthWeld		22493.52		39.77	38.91	38.91	6040	Valve	22493.52	Valve	43502.4	36	0.312	52					11:13	335			649									1250	Unknown		
8006	CLUSTER	YES	22498.12		4.6	34.31	38.91	6040	Valve	22498.12	Valve	43497.8	36	0.312	52	0.15	0.05	13.99	2.96	0.246528	335	975	702	649	0.48	1.09							1250	Unknown		
8014	GirthWeld		22532.43		38.91	39.83	39.83	6050	Valve	22532.43	Valve	43463.49	36	0.312	52					0.068056	335			649									1250	Unknown		
8015	MELO-CORR	YES	22535.08		2.65	37.18	39.83	6050	Valve	22535.08	Valve	43460.84	36	0.312	52	0.18	0.06	1.18	0.35	0.25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8016	MELO-CORR	YES	22535.28		2.85	36.97	39.83	6050	Valve	22535.28	Valve	43460.64	36	0.312	52	0.19	0.06	1.10	0.32	6:02	335	1068	769	649	0.44	1.19							1598	Metal Loss		
8017	MELO-CORR	YES	22537.26		4.83	35	39.83	6050	Valve	22537.26	Valve	43458.66	36	0.312	52	0.19	0.06	1.14	0.20	6:05	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8019	CLUSTER	YES	22539.49		7.06	32.77	39.83	6050	Valve	22539.49	Valve	43456.43	36	0.312	52	0.15	0.05	2.92	1.89	0.250694	335	1048	754	649	0.44	1.16							1250	Unknown		
8021	MELO-CORR	YES	22540.4		7.97	31.86	39.83	6050	Valve	22540.4	Valve	43455.52	36	0.312	52	0.15	0.05	1.10	0.24	0.244444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
8023	CLUSTER	YES	22542.11		9.68	30.15	39.83	6050	Valve	22542.11	Valve	43453.81	36	0.312	52	0.17	0.05	2.57	0.69	0.250694	335	1049	755	649	0.44	1.17							1250	Unknown		
8026	CLUSTER	YES	22542.47		10.04	29.78	39.83	6050	Valve	22542.47	Valve	43453.45	36	0.312	52	0.17	0.05	5.44	1.26	6:03	335	1009	727	649	0.46	1.13							1250	Unknown		
8029	MELO-CORR	YES	22545.98		13.55	26.27	39.83	6050	Valve	22545.98	Valve	43449.94	36	0.312	52	0.16	0.05	1.14	0.16	6:04	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8030	MELO-CORR	YES	22548.51		16.08	23.75	39.83	6050	Valve	22548.51	Valve	43447.41	36	0.312	52	0.16	0.05	1.10	0.24	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8031	MELO-CORR	YES	22548.73		16.3	23.53	39.83	6050	Valve	22548.73	Valve	43447.19	36	0.312	52	0.21	0.07	1.18	0.24	0.250694	335	1066	768	649	0.44	1.18							1598	Metal Loss		
8032	MELO-CORR	YES	22549.37		16.94	22.89	39.83	6050	Valve	22549.37	Valve	43446.55	36	0.312	52	0.15	0.05	1.14	0.20	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8034	CLUSTER	YES	22551.3		18.87	20.96	39.83	6050	Valve	22551.3	Valve	43444.62	36	0.312	52	0.19	0.06	2.63	0.76	5:57	335	1044	752	649	0.45	1.17							1250	Unknown		
8036	MELO-CORR	YES	22553.56		21.13	18.7	39.83	6050	Valve	22553.56	Valve	43442.36

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
8070	GirthWeld		22966.94		39.73	39.78	39.78	6160	Valve	22966.94	Valve	43028.98	36	0.312	52					11:04	335			649									1250	Unknown		
8071	GirthWeld		23006.72		39.78	39.85	39.85	6170	Valve	23006.72	Valve	42989.2	36	0.312	52					1:20	335			649									1250	Unknown		
8072	GirthWeld		23046.57		39.85	39.86	39.86	6180	Valve	23046.57	Valve	42949.35	36	0.312	52					0.468056	335			649									1250	Unknown		
8073	GirthWeld		23086.43		39.86	39.73	39.73	6190	Valve	23086.43	Valve	42909.49	36	0.312	52					0.058333	335			649									1250	Unknown		
8074	MELO-CORR	YES	23121.91		35.48	4.25	39.73	6190	Valve	23121.91	Valve	42874.01	36	0.312	52	0.16	0.05	1.22	0.20	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
8075	MELO-CORR	YES	23122.96		36.53	3.21	39.73	6190	Valve	23122.96	Valve	42872.96	36	0.312	52	0.15	0.05	1.18	0.20	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8076	GirthWeld		23126.16		39.73	39.37	39.37	6200	Valve	23126.16	Valve	42869.76	36	0.312	52					11:22	335			649									1250	Unknown		
8077	MELO-CORR	YES	23142.48		16.32	23.05	39.37	6200	Valve	23142.48	Valve	42853.44	36	0.312	52	0.17	0.05	1.22	0.16	0.252778	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8078	MELO-CORR	YES	23146.22		20.06	19.31	39.37	6200	Valve	23146.22	Valve	42849.7	36	0.312	52	0.15	0.05	1.22	0.16	0.254861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
8079	MELO-CORR	YES	23148.5		22.34	17.03	39.37	6200	Valve	23148.5	Valve	42847.42	36	0.312	52	0.16	0.05	1.14	0.20	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8080	MELO-CORR	YES	23149.2		23.04	16.33	39.37	6200	Valve	23149.2	Valve	42846.72	36	0.312	52	0.18	0.06	1.18	0.20	6:03	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8082	CLUSTER	YES	23149.48		23.32	16.05	39.37	6200	Valve	23149.48	Valve	42846.44	36	0.312	52	0.17	0.05	2.71	0.47	6:06	335	1047	754	649	0.44	1.17							1250	Unknown		
8085	CLUSTER	YES	23149.65		23.49	15.88	39.37	6200	Valve	23149.65	Valve	42846.27	36	0.312	52	0.16	0.05	3.60	2.77	0.239583	335	1036	746	649	0.45	1.15							1250	Unknown		
8089	CLUSTER	YES	23150.14		23.98	15.39	39.37	6200	Valve	23150.14	Valve	42845.78	36	0.312	52	0.2	0.06	2.04	0.41	0.251389	335	1053	758	649	0.44	1.17							1250	Unknown		
8091	MELO-CORR	YES	23150.92		24.76	14.61	39.37	6200	Valve	23150.92	Valve	42845	36	0.312	52	0.16	0.05	1.10	0.20	0.258333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8093	CLUSTER	YES	23151.47		25.31	14.06	39.37	6200	Valve	23151.47	Valve	42844.45	36	0.312	52	0.23	0.07	9.10	1.38	5:57	335	944	679	649	0.49	1.10							1250	Unknown		
8100	CLUSTER	YES	23152.32		26.16	13.21	39.37	6200	Valve	23152.32	Valve	42843.6	36	0.312	52	0.18	0.06	2.83	2.48	5:54	335	1043	751	649	0.45	1.16							1250	Unknown		
8104	CLUSTER	YES	23153.26		27.1	12.27	39.37	6200	Valve	23153.26	Valve	42842.66	36	0.312	52	0.15	0.05	4.98	1.82	0.240972	335	1023	736	649	0.46	1.14							1250	Unknown		
8109	CLUSTER	YES	23153.85		27.69	11.68	39.37	6200	Valve	23153.85	Valve	42842.07	36	0.312	52	0.16	0.05	2.11	4.02	0.245139	335	1057	761	649	0.44	1.17							1250	Unknown		
8115	CLUSTER	YES	23154.32		28.16	11.21	39.37	6200	Valve	23154.32	Valve	42841.6	36	0.312	52	0.3	0.09	7.43	2.01	0.247222	335	917	661	649	0.51	1.10							1250	Unknown		
8121	MELO-CORR	YES	23155.33		29.17	10.2	39.37	6200	Valve	23155.33	Valve	42840.59	36	0.312	52	0.18	0.06	1.10	0.24	5:56	335	1068	769	649	0.44	1.19							1598	Metal Loss		
8122	MELO-CORR	YES	23155.56		29.4	9.97	39.37	6200	Valve	23155.56	Valve	42840.36	36	0.312	52	0.23	0.07	1.14	0.24	6:08	335	1066	767	649	0.44	1.18							1598	Metal Loss		
8123	MELO-CORR	YES	23156.18		30.02	9.35	39.37	6200	Valve	23156.18	Valve	42839.74	36	0.312	52	0.15	0.05	1.18	0.28	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8125	CLUSTER	YES	23156.48		30.32	9.05	39.37	6200	Valve	23156.48	Valve	42839.44	36	0.312	52	0.18	0.06	5.03	1.70	0.247222	335	1010	727	649	0.46	1.14							1250	Unknown		
8129	CLUSTER	YES	23158.31		32.15	7.22	39.37	6200	Valve	23158.31	Valve	42837.61	36	0.312	52	0.16	0.05	6.05	2.67	0.247917	335	1007	725	649	0.46	1.13							1250	Unknown		
8133	MELO-CORR	YES	23159.89		33.73	5.64	39.37	6200	Valve	23159.89	Valve	42836.03	36	0.312	52	0.16	0.05	1.10	0.20	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8135	CLUSTER	YES	23160.2		34.04	5.33	39.37	6200	Valve	23160.2	Valve	42835.72	36	0.312	52	0.17	0.05	4.67	1.07	5:59	335	1018	733	649	0.46	1.14							1250	Unknown		
8138	MELO-CORR	YES	23160.68		34.52	4.85	39.37	6200	Valve	23160.68	Valve	42835.24	36	0.312	52	0.15	0.05	1.10	0.16	0.254861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
8140	CLUSTER	YES	23160.89		34.73	4.64	39.37	6200	Valve	23160.89	Valve	42835.03	36	0.312	52	0.22	0.07	3.08	0.28	0.253472	335	1030	741	649	0.45	1.16							1250	Unknown		
8142	GW_Reinf		23165.53		39.37	39.33	39.33	6210	Valve	23165.53	Valve	42830.39	36	0.312	52					0.070833	335			649									1250	Unknown		
8143	MELO-CORR	YES	23171.15		5.62	33.71	39.33	6210	Valve	23171.15	Valve	42824.77	36	0.312	52	0.17	0.05	1.10	0.39	5:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8144	MELO-CORR	YES	23174.57		9.04	30.28	39.33	6210	Valve	23174.57	Valve	42821.35	36	0.312	52	0.16	0.05	1.10	0.20	5:46	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8146	CLUSTER	YES	23182.21		16.68	22.65	39.33	6210	Valve	23182.21	Valve	42813.71	36	0.312	52	0.17	0.05	13.79	3.74	0.238194	335	962	693	649	0.48	1.09							1250	Unknown		
8157	CLUSTER	YES	23184.06		18.53	20.79	39.33	6210	Valve	23184.06	Valve	42811.85	36	0.312	52	0.16	0.05	3.07	3.43	0.245139	335	1043	751	649	0.45	1.16							1250	Unknown		
8160	MELO-CORR	YES	23186.47		20.94	18.39	39.33	6210	Valve	23186.47	Valve	42809.45	36	0.312	52	0.15	0.05	1.14	0.24	0.178472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8162	CLUSTER	YES	23188.28		22.75	16.58	39.33	6210	Valve	23188.28	Valve	42807.64	36	0.312	52	0.19	0.06	6.04	1.51	6:08	335	994	716	649	0.47	1.13							1250	Unknown		
8165	MELO-CORR	YES	23189.67		24.14	15.19	39.33	6210	Valve	23189.67	Valve	42806.25	36	0.312	52	0.22	0.07	1.10	0.20	5:46	335	1067	768	649	0.44	1.18							1598	Metal Loss		
8166	MELO-CORR	YES	23190.82		25.29	14.04	39.33	6210	Valve	23190.82	Valve	42805.1	36	0.312	52	0.15	0.05	1.18	0.43	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8168	CLUSTER	YES	23196.91		31.38	7.95	39.33	6210	Valve	23196.91	Valve	42799.01	36	0.312	52	0.16	0.05	5.86	0.57	0.247917	335	1009	727	649	0.46	1.13							1250	Unknown		
8172	CLUSTER	YES	23198.86		33.33	6	39.33	6210	Valve	23198.86	Valve	42797.06	36	0.312	52	0.15	0.05	2.92	2.20	0.252083	335	1048	754	649	0.44	1.16							1250	Unknown		
8175	CLUSTER	YES	23200.44		34.91	4.41	39.33	6210	Valve	23200.44	Valve	42795.48	36	0.312	52	0.21	0.07	51.84	5.47	5:45	335	897	646	649	0.52	1.07							1250	Unknown		
8222	GirthWeld		23204.86		39.33	39.75	39.75	6220	Valve	23204.86	Valve	42791.06	36	0.312	52					11:02	335			649									1250	Unknown		
8224	CLUSTER	YES	23205.25		0.39	39.36	39.75	6220	Valve	23205.25	Valve	42790.67	36	0.312	52	0.15	0.05	14.17	6.16	0.239583	335	975	702	649	0.48	1.09							1250	Unknown		
8236	CLUSTER	YES	23208.35		3.49	36.26	39.75	6220	Valve	23208.35	Valve	42787.57	36	0.312	52	0.18	0.06	21.30	3.83	0.252083	335	942	678	649	0.49	1.08							1250	Unknown		
8252	CLUSTER	YES	23212.32		7.46	32.29	39.75	6220	Valve	23212.32	Valve	42783.6	36	0.312	52	0.15	0.05	6.43	1.01	0.25625	335	1009	726	649	0.46	1.13							1250	Unknown		
8257	CLUSTER	YES	23214.01		9.15	30.6	39.75	6220	Valve	23214.01	Valve	42781.9	36	0.312	52	0.15	0.05	5.46	3.27	6:13	335	1017	733	649	0.46	1.13							1250	Unknown		
8263	CLUSTER	YES	23217.39		12.53	27.22	39.75	6220	Valve	23217.39	Valve	42778.53	36	0.312	52	0.26	0.08	79.01	9.02	5:39	335	846	609	649	0.55	1.05							1250	Unknown		
8282	MELO-CORR	YES	23219.34		14.48	25.27	39.75	6220	Valve	23219.34	Valve	42776.58	36	0.312	52	0.17	0.05	1.14	0.20	0.175694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
8283	MELO-CORR	YES	23219.36		14.5	25.25	39.75	6220	Valve	23219.36	Valve	42776.56	36	0.312	52	0.15	0.05	1.14	0.47	0.270833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8340	CLUSTER	YES	23224.51		19.65	20.1	39.75	6220	Valve	23224.51	Valve	42771.41	36	0.312	52	0.3	0.09	16.87	7.76	0.240278	335	858	617	649	0.54	1.04							1250	Unknown		
8360	CLUSTER	YES	23225.76		20.9	18.85	39.75	6220	Valve	23225.76	Valve	42770.16	36	0.312	52	0.18	0.06	37.87	7.20	5:41	335	930	669	649	0.50	1.06							1250	Unknown		
8396	CLUSTER	YES	23229.34		24.48	15.27	39.75	6220	Valve	23229.34	Valve	42766.58	36	0.312	52	0.16	0.05	10.36	3.08	5:53	335	980	706	649	0.47	1.10							1250	Unknown		
8405	CLUSTER	YES	23230.11		25.25	14.5	39.75	6220	Valve	23230.11	Valve	42765.81	36	0.312	52	0.24	0.08	39.94	6.94	0.2375	335	878	632	649	0.53	1.06							1250	Unknown		
8448	CLUSTER	YES	23233.59		28.73	11.02	39.75	6220	Valve	23233.59	Valve	42762.33	36	0.312	52	0.16	0.05	23.93	7.76	0.234028	335	955	688	649	0.49	1.07							1250	Unknown		
8476	CLUSTER	YES	23240.62		35.76	3.99	39.75	6220	Valve	23240.62	Valve	42755.3	36	0.312	52	0.22	0.07	17.05	6.10	0.236806	335	918	661	649	0.51	1.07							1250	Unknown		
8494	GirthWeld		23244.61		39.75	39.41	39.41	6230	Valve	23244.61	Valve	42751.31	36	0.312	52					12:59	335			649									1250	Unknown		
8496	CLUSTER	YES	23250.32		5.71	33.7	39.41	6230	Valve	23250.32	Valve	42745.6	36	0.312	52	0.19	0.06	19.51	3.74	5:47	335	936	674	649	0.50	1.08							1250	Unknown		
8512	CLUSTER	YES	23255.73		11.12	28.29	39.41	6230	Valve	23255.73	Valve	42740.19	36	0.312	52	0.2	0.06	9.94	3.17	0.251389	335	957	689	649	0.49	1.10							1250	Unknown		
8520	CLUSTER	YES	23257.74		13.13	26.28	39.41	6230	Valve	23257.74	Valve	42738.18	36	0.312	52	0.15	0.05	12.85	2.29	0.251389	335	978	704	649	0.48	1.09							1250	Unknown		
8532	CLUSTER	YES	23259.19		14.58	24.83	39.41	6230	Valve	23259.19	Valve	42736.73	36	0.312	52	0.22	0.07	18.88	4.65	0.246528	335	915	659	649	0.51	1.08							1250	Unknown		
8546	CLUSTER	YES	23261.15		16.54	22.87	39.41	6230	Valve	23261.15	Valve	42734.77	36	0.312	52	0.15	0.05	6.35	3.05	6:02	335	1010	727	649	0.46	1.12							1250	Unknown		
8553	CLUSTER	YES	23261.84		17.23	22.18	39.41	6230	Valve	23261.84	Valve	42734.08	36	0.312	52	0.24	0.08	53.00	6.00	5:47	335	871	627	649	0.53	1.06							1250	Unknown		
8594	CLUSTER	YES	23266.38		21.77	17.64	39.41	6230	Valve	23266.38	Valve	42729.54	36	0.312	52	0.24	0.08	2.22	1.04	0.260417	335	1044	752	649	0.45	1.16							1250	Unknown		
8597	CLUSTER	YES	23268.21		23.6	15.81	39.41	6230	Valve	23268.21	Valve	42727.71	36	0.312	52	0.19	0.06	16.49	4.49	0.247222	335	941	678	649	0.49	1.08							1250	Unknown		
8609	CLUSTER	YES	23270.63		26.02	13.39	39.41	6230	Valve	23270.63	Valve	42725.29	36	0.312	52	0.15	0.05	11.82	1.76	0.259028	335	981	706	649	0.47	1.10							1250	Unknown		
8618	CLUSTER	YES	23272.76		28.15	11.26	39.41	6230	Valve	23272.76	Valve	42723.16	36	0.312	52	0.19	0.06	6.05	1.13	6:19	335	994	715	649	0.47	1.12							1250	Unknown		
8622	CLUSTER	YES	23275.42		30.81	8.6	39.41	6230	Valve	23275.42	Valve	42720.5	36	0.312	52	0.23	0.07	25.60	6.22	5:44	335	899	647	649	0.52	1.08							1250	Unknown		
8626	CLUSTER	YES	23275.6		30.99	8.42	39.41	6230	Valve	23275.6	Valve	42720.32	36	0.312	52	0.16	0.05	3.02	0.47	0.324306	335	1044	752	649	0.45	1.16							1250	Unknown		
8651	CLUSTER	YES	23277.92		33.31	6.1	39.41	6230	Valve	23277.92	Valve	42718	36	0.312	52	0.31	0.10	24.77	5.56	0.239583	335	835	601	649	0.56	1.05							1250	Unknown		
8671	GirthWeld		23284.02		39.41	39.82	39.82	6240	Valve	23284.02	Valve	42711.9	36	0.312	52					0.484028	335			649									1250	Unknown		
8673	CLUSTER	YES	23284.3		0.28	39.55	39.82	6240	Valve	23284.3	Valve	42711.62	36	0.312	52	0.16	0.05	2.95	1.38	6:03	335	1045	753	649	0.45	1.16							1250	Unknown		
8676	CLUSTER	YES	23284.82		0.8	39.02	39.82	6240	Valve	23284.82	Valve	42711.1	36	0.312	52	0.18	0.06	37.22	8.45	5:35	335	930	670	649	0.50	1.07							1250	Unknown		
8711	MELO-CORR	YES	23286.89		2.87	36.96	39.82	6240	Valve	23286.89	Valve	42709.03	36	0.312	52	0.15	0.05	1.18	0.20	0.298611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8717	CLUSTER	YES	23287.48		3.46	36.36	39.82	6240	Valve	23287.48	Valve	42708.44	36	0.312	52	0.36	0.11	27.18	5.88	0.234722	335	791	569	649	0.59	0.97							1250	Unknown		
8741	CLUSTER	YES	23289.71		5.69	34.14	39.82	6240	Valve	23289.71	Valve	42706.21	36	0.312	52	0.18	0.06	26.40	7.89	0.236111	335	937	675	649	0.50	1.08							1250	Unknown		
8750	MELO-CORR	YES	23290.65		6.63	33.2	39.82	6240	Valve	23290.65	Valve	42705.27	36	0.312	52	0.17	0.05	1.69	0.20	6:02	335	1062	765	649	0.44	1.18							1598	Metal Loss		
8753	MELO-CORR	YES	23290.87		6.85	32.97	39.82	6240	Valve	23290.87	Valve	42705.05	36	0.312	52	0.2	0.06	1.18	0.24	6:03	335	1067	768	649	0.44	1.18							1598	Metal Loss		
8761	MELO-CORR	YES	23292.72		8.69	31.13	39.82	6240	Valve	23292.72	Valve	42703.21	36	0.312	52	0.17	0.05	1.22	0.20	0.236111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8762	MELO-CORR	YES	23293.57		9.55	30.28	39.82	6240	Valve	23293.57	Valve	42702.35	36	0.312	52	0.15	0.05	1.14	0.24	0.320833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8763	MELO-CORR	YES	23293.58		9.56	30.27	39.82	6240	Valve	23293.58	Valve	42702.35	36	0.312	52	0.15	0.05	1.10	0.20	0.195833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
8765	CLUSTER	YES	23294.97		10.95	28.88	39.82	6240	Valve	23294.97	Valve	42700.95	36	0.312	52	0.21	0.07	35.80	4.53	5:55	335	906	652	649	0.51	1.07							1250	Unknown		
8791	CLUSTER	YES	23298.06		14.04	25.78	39.82	6240	Valve	23298.06	Valve	42697.85	36	0.312	52	0.19	0.06	14.57	3.43	6:00	335	946	681	649	0.49	1.08							1250	Unknown		
8801	MELO-CORR	YES	23299.46		15.44	24.39	39.82	6240	Valve	23299.46	Valve	42696.46	36	0.312	52	0.16	0.05	1.22	0.20	0.2375	335	1068	769	649	0.44	1.19							1598	Metal Loss		
8803	CLUSTER	YES	23299.78		15.76	24.07	39.82	6240	Valve	23299.78	Valve	42696.14	36	0.312	52	0.16	0.05	5.90	1.79	0.259722	335	1009	726	649	0.46	1.12							1250	Unknown		
8808	CLUSTER	YES	23300.82		16.8	23.02	39.82	6240	Valve	23300.82	Valve	42695.1	36	0.312	52	0.17	0.05	5.82	2.17	0.251389	335	1005	724	649	0.46	1.13							1250	Unknown		
8811	CLUSTER	YES	23303.3		19.28	20.54	39.82	6240	Valve	23303.3	Valve	42692.62	36	0.312	52	0.23	0.07	29.36	7.95	5:40	335	895	644	649	0.52	1.06							1250	Unknown		
8822	MELO-CORR	YES	23304.12		20.1	19.73	39.82	6240	Valve	23304.12	Valve	42691.8	36	0.312	52	0.15	0.05	1.18	0.20	4:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
8841	CLUSTER	YES	23308.2		24.18	15.65	39.82	6240	Valve	23308.2	Valve	42687.72	36	0.312	52	0.15	0.05	11.82	4.40	0.25	335	981	706	649	0.47	1.10							1250	Unknown		
8845	CLUSTER	YES	23308.44		24.42	15.41	39.82	6240	Valve	23308.44	Valve	42687.48	36	0.312	52	0.18	0.06	2.92	0.47	0.246528	335	1042	750	649	0.45	1.16							1250	Unknown		
8854	CLUSTER	YES	23309.65		25.63	14.2	39.82	6240	Valve	23309.65	Valve	42686.27	36	0.312	52	0.26	0.08	9.97	2.04	0.251389	335	918	661	649	0.51	1.10							1250	Unknown		
8862	CLUSTER	YES	23310.56		26.54	13.28	39.82	6240	Valve	23310.56	Valve	42685.36	36	0.312	52	0.18	0.06	12.70	2.01	6:06	335	958	690	649	0.49	1.09							1250	Unknown		
8868	CLUSTER	YES	23311.18		27.16	12.67	39.82	6240	Valve	23311.18	Valve	42684.74	36	0.312	52	0.22	0.07	57.46	7.07	5:44	335	887	638	649	0.52	1.07							1250	Unknown		
8880	MELO-CORR	YES	23312.49		28.47	11.35	39.82	6240	Valve	23312.49	Valve	42683.43	36	0.312	52	0.17	0.05	1.22	0.16	0.167361	335	1068	769	649	0.44	1.18							1598	Metal Loss		
8921	CLUSTER	YES	23317.16		33.14	6.69	39.82	6240	Valve	23317.16	Valve	42678.76	36	0.312	52	0.2	0.06	32.96	9.27	0.238889	335	916	660	649	0.51	1.07							1250	Unknown		
8959	CLUSTER	YES	23319.62		35.6	4.22	39.82	6240	Valve	23319.62	Valve	42676.3	36	0.312	52	0.18	0.06	29.65	8.39	0.243056	335	935	673	649	0.50	1.07							1250	Unknown		
8999	CLUSTER	YES	23321.9		37.88	1.94	39.82	6240	Valve	23321.9	Valve	42674.02	36	0.312	52	0.17	0.05	9.85	3.65	5:51	335	976	703	649	0.48	1.10							1250	Unknown		
9005	MELO-CORR	YES	23322.23		38.21	1.62	39.82	6240	Valve	23322.23	Valve	42673.69	36	0.312	52	0.25	0.08	1.26	0.20	6:10	335	1063	765	649	0.44	1.18			

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
9597	CLUSTER	YES	23373.34		10.27	29.53	39.8	6260	Valve	23373.34	Valve	42622.58	36	0.312	52	0.17	0.05	11.92	3.43	5:53	335	968	697	649	0.48	1.08							1250	Unknown		
9611	MELO-CORR	YES	23378.61		15.54	24.25	39.8	6260	Valve	23378.61	Valve	42617.31	36	0.312	52	0.15	0.05	1.22	0.43	8:21	335	1069	769	649	0.44	1.19							1598	Metal Loss		
9613	CLUSTER	YES	23379.01		15.94	23.86	39.8	6260	Valve	23379.01	Valve	42616.91	36	0.312	52	0.15	0.05	7.54	2.45	0.24375	335	1001	721	649	0.46	1.12							1250	Unknown		
9618	CLUSTER	YES	23382.02		18.95	20.85	39.8	6260	Valve	23382.02	Valve	42613.9	36	0.312	52	0.17	0.05	6.78	1.73	0.248611	335	996	717	649	0.47	1.11							1250	Unknown		
9623	CLUSTER	YES	23382.68		19.61	20.19	39.8	6260	Valve	23382.68	Valve	42613.24	36	0.312	52	0.25	0.08	37.91	4.31	0.245139	335	871	627	649	0.53	1.04							1250	Unknown		
9640	MELO-CORR	YES	23384.26		21.19	18.6	39.8	6260	Valve	23384.26	Valve	42611.66	36	0.312	52	0.19	0.06	1.14	0.24	6:46	335	1068	769	649	0.44	1.18							1598	Metal Loss		
9666	CLUSTER	YES	23386.06		22.99	16.81	39.8	6260	Valve	23386.06	Valve	42609.86	36	0.312	52	0.16	0.05	26.27	5.44	5:52	335	953	686	649	0.49	1.07							1250	Unknown		
9689	CLUSTER	YES	23389.3		26.23	13.57	39.8	6260	Valve	23389.3	Valve	42606.62	36	0.312	52	0.16	0.05	14.33	3.27	0.242361	335	968	697	649	0.48	1.09							1250	Unknown		
9701	CLUSTER	YES	23391.4		28.33	11.46	39.8	6260	Valve	23391.4	Valve	42604.52	36	0.312	52	0.19	0.06	15.55	2.14	0.247917	335	943	679	649	0.49	1.09							1250	Unknown		
9712	CLUSTER	YES	23394.59		31.52	8.28	39.8	6260	Valve	23394.59	Valve	42601.33	36	0.312	52	0.16	0.05	22.50	4.81	0.245833	335	956	688	649	0.49	1.08							1250	Unknown		
9734	CLUSTER	YES	23396.45		33.38	6.41	39.8	6260	Valve	23396.45	Valve	42599.47	36	0.312	52	0.19	0.06	56.18	5.18	5:51	335	913	657	649	0.51	1.06							1250	Unknown		
9777	CLUSTER	YES	23401.87		38.8	1	39.8	6260	Valve	23401.87	Valve	42594.05	36	0.312	52	0.22	0.07	10.01	5.88	5:55	335	944	680	649	0.49	1.10							1250	Unknown		
9786	GirthWeld		23402.87		39.8	39.78	39.78	6270	Valve	23402.87	Valve	42593.05	36	0.312	52					0.0625	335			649									1250	Unknown		
9788	CLUSTER	YES	23403.08		0.21	39.57	39.78	6270	Valve	23403.08	Valve	42592.84	36	0.312	52	0.25	0.08	34.58	5.41	0.241667	335	874	629	649	0.53	1.05							1250	Unknown		
9823	CLUSTER	YES	23408.06		5.19	34.59	39.78	6270	Valve	23408.06	Valve	42587.86	36	0.312	52	0.21	0.07	30.42	4.81	0.245139	335	910	655	649	0.51	1.06							1250	Unknown		
9847	CLUSTER	YES	23411.16		8.29	31.49	39.78	6270	Valve	23411.16	Valve	42584.76	36	0.312	52	0.16	0.05	10.78	2.67	5:57	335	978	704	649	0.48	1.10							1250	Unknown		
9856	CLUSTER	YES	23413.05		10.18	29.6	39.78	6270	Valve	23413.05	Valve	42582.87	36	0.312	52	0.2	0.06	21.37	2.89	5:55	335	926	667	649	0.50	1.08							1250	Unknown		
9868	CLUSTER	YES	23417.16		14.29	25.49	39.78	6270	Valve	23417.16	Valve	42578.76	36	0.312	52	0.2	0.06	13.81	3.74	0.24375	335	941	677	649	0.49	1.09							1250	Unknown		
9881	CLUSTER	YES	23423.67		20.8	18.98	39.78	6270	Valve	23423.67	Valve	42572.25	36	0.312	52	0.27	0.08	20.16	4.09	0.24375	335	874	629	649	0.53	1.06							1250	Unknown		
9901	CLUSTER	YES	23426.34		23.47	16.31	39.78	6270	Valve	23426.34	Valve	42569.58	36	0.312	52	0.18	0.06	15.42	2.23	0.251389	335	951	685	649	0.49	1.09							1250	Unknown		
9909	MELO-CORR	YES	23434.02		31.15	8.63	39.78	6270	Valve	23434.02	Valve	42561.9	36	0.312	52	0.17	0.05	1.22	0.47	7:39	335	1068	769	649	0.44	1.18							1598	Metal Loss		
9911	CLUSTER	YES	23436.87		34	5.78	39.78	6270	Valve	23436.87	Valve	42559.05	36	0.312	52	0.19	0.06	17.62	2.52	6:00	335	939	676	649	0.50	1.08							1250	Unknown		
9924	GirthWeld		23442.65		39.78	39.76	39.76	6280	Valve	23442.65	Valve	42553.27	36	0.312	52					0.477778	335			649									1250	Unknown		
9925	GirthWeld		23482.41		39.76	38.65	38.66	6290	Valve	23482.41	Valve	42513.51	36	0.312	52					0.058333	335			649									1250	Unknown		
9926	MELO-CORR	YES	23491.58		9.17	29.48	38.66	6290	Valve	23491.58	Valve	42504.34	36	0.312	52	0.16	0.05	1.22	0.20	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
9927	GirthWeld		23521.06		38.65	39.74	39.73	6300	Valve	23521.06	Valve	42474.85	36	0.312	52					11:24	335			649									1250	Unknown		
9929	CLUSTER	YES	23525.69		4.63	35.11	39.73	6300	Valve	23525.69	Valve	42470.24	36	0.312	52	0.17	0.05	2.56	0.38	6:04	335	1049	755	649	0.44	1.17							1250	Unknown		
9931	MELO-CORR	YES	23537.79		16.73	23.01	39.73	6300	Valve	23537.79	Valve	42458.13	36	0.312	52	0.17	0.05	1.18	0.16	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
9932	MELO-CORR	YES	23542.35		21.29	18.45	39.73	6300	Valve	23542.35	Valve	42453.57	36	0.312	52	0.15	0.05	1.22	0.20	0.253472	335	1069	769	649	0.44	1.19							1598	Metal Loss		
9933	MELO-CORR	YES	23544.81		23.75	15.99	39.73	6300	Valve	23544.81	Valve	42451.11	36	0.312	52	0.15	0.05	1.22	0.20	0.255556	335	1069	769	649	0.44	1.19							1598	Metal Loss		
9934	MELO-CORR	YES	23553.96		32.9	6.84	39.73	6300	Valve	23553.96	Valve	42441.96	36	0.312	52	0.17	0.05	1.10	0.16	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9935	MELO-CORR	YES	23554.52		33.46	6.28	39.73	6300	Valve	23554.52	Valve	42441.4	36	0.312	52	0.16	0.05	1.10	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9936	MELO-CORR	YES	23556.32		35.26	4.48	39.73	6300	Valve	23556.32	Valve	42439.6	36	0.312	52	0.15	0.05	1.14	0.20	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9937	GirthWeld		23560.8		39.74	39.8	39.8	6310	Valve	23560.8	Valve	42435.12	36	0.312	52					0.070833	335			649									1250	Unknown		
9938	MELO-CORR	YES	23570.15		9.35	30.45	39.8	6310	Valve	23570.15	Valve	42425.77	36	0.312	52	0.15	0.05	1.18	0.20	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9939	GirthWeld		23600.6		39.8	38.78	38.77	6320	Valve	23600.6	Valve	42395.32	36	0.312	52					10:54	335			649									1250	Unknown		
9940	MELO-CORR	YES	23601.3		0.7	38.07	38.77	6320	Valve	23601.3	Valve	42394.62	36	0.312	52	0.15	0.05	1.22	0.20	6:05	335	1069	769	649	0.44	1.19							1598	Metal Loss		
9941	GirthWeld		23639.38		38.78	39.69	39.7	6330	Valve	23639.38	Valve	42356.54	36	0.312	52					0.056944	335			649									1250	Unknown		
9942	GirthWeld		23679.07		39.69	10.1	10.1	6340	Valve	23679.07	Valve	42316.85	36	0.312	52					0.461111	335			649									1250	Unknown		
9943	GirthWeld		23689.17		10.1	38.33	38.33	6350	Valve	23689.17	Valve	42306.74	36	0.312	52					0.05625	335			649									1250	Unknown		
9944	GirthWeld		23727.51		38.34	39.31	39.31	6360	Valve	23727.51	Valve	42268.41	36	0.312	52					11:14	335			649									1250	Unknown		
9945	MELO-CORR	YES	23748.77		21.26	18.05	39.31	6360	Valve	23748.77	Valve	42247.15	36	0.312	52	0.16	0.05	1.10	0.32	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9946	MELO-CORR	YES	23763.2		35.69	3.62	39.31	6360	Valve	23763.2	Valve	42232.72	36	0.312	52	0.15	0.05	1.18	0.20	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9947	GirthWeld		23766.82		39.31	39.78	39.78	6370	Valve	23766.82	Valve	42229.1	36	0.312	52					0.067361	335			649									1250	Unknown		
9948	GirthWeld		23806.6		39.78	39.81	39.81	6380	Valve	23806.6	Valve	42189.32	36	0.312	52					0.470833	335			649									1250	Unknown		
9949	MELO-CORR	YES	23814.92		8.32	31.49	39.81	6380	Valve	23814.92	Valve	42181	36	0.312	52	0.15	0.05	1.18	0.24	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9950	MELO-CORR	YES	23821.59		14.99	24.82	39.81	6380	Valve	23821.59	Valve	42174.33	36	0.312	52	0.15	0.05	1.14	0.20	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9951	MELO-CORR	YES	23835.15		28.55	11.26	39.81	6380	Valve	23835.15	Valve	42160.77	36	0.312	52	0.15	0.05	1.14	0.16	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9952	GirthWeld		23846.41		39.81	39.79	39.79	6390	Valve	23846.41	Valve	42149.51	36	0.312	52					0.056944	335			649									1250	Unknown		
9953	MELO-CORR	YES	23870.27		23.86	15.93	39.79	6390	Valve	23870.27	Valve	42125.65	36	0.312	52	0.15	0.05	1.10	0.20	0.252778	335	1070	770	649	0.43	1.19							1598	Metal Loss		
9954	GirthWeld		23886.2		39.79	39.79	39.79	6400	Valve	23886.2	Valve	42109.72	36	0.312	52					11:19	335			649									1250	Unknown		
9955	MELO-CORR	YES	23894.07		7.87	31.92	39.79	6400	Valve	23894.07	Valve	42101.85	36	0.312	52	0.15	0.05	1.18	0.16	6:04	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9957	CLUSTER	YES	23898.36		12.16	27.62	39.79	6400	Valve	23898.36	Valve	42097.56	36	0.312	52	0.15	0.05	9.88	1.89	0.244444	335	988	712	649	0.47	1.11							1250	Unknown		
9962	MELO-CORR	YES	23901.64		15.44	24.35	39.79	6400	Valve	23901.64	Valve	42094.28	36	0.312	52	0.16	0.05	1.22	0.35	0.252083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
9963	MELO-CORR	YES	23903.13		16.93	22.86	39.79	6400	Valve	23903.13	Valve	42092.79	36	0.312	52	0.16	0.05	1.14	0.24	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9964	MELO-CORR	YES	23905.57		19.37	20.42	39.79	6400	Valve	23905.57	Valve	42090.35	36	0.312	52	0.21	0.07	1.18	0.39	6:02	335	1066	768	649	0.44	1.18							1598	Metal Loss		
9965	MELO-CORR	YES	23906.05		19.85	19.93	39.79	6400	Valve	23906.05	Valve	42089.87	36	0.312	52	0.21	0.07	1.10	0.47	6:00	335	1067	768	649	0.44	1.18							1598	Metal Loss		
9967	CLUSTER	YES	23909.9		23.7	16.09	39.79	6400	Valve	23909.9	Valve	42086.02	36	0.312	52	0.18	0.06	5.81	1.76	0.245139	335	1001	721	649	0.46	1.13							1250	Unknown		
9970	MELO-CORR	YES	23913.35		27.15	12.63	39.79	6400	Valve	23913.35	Valve	42082.57	36	0.312	52	0.19	0.06	1.10	0.16	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
9971	MELO-CORR	YES	23914.98		28.78	11.01	39.79	6400	Valve	23914.98	Valve	42080.94	36	0.312	52	0.15	0.05	1.18	0.16	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9973	CLUSTER	YES	23920.49		34.29	5.5	39.79	6400	Valve	23920.49	Valve	42075.43	36	0.312	52	0.19	0.06	4.52	0.57	6:03	335	1013	729	649	0.46	1.14							1250	Unknown		
9976	MELO-CORR	YES	23921.87		35.67	4.11	39.79	6400	Valve	23921.87	Valve	42074.05	36	0.312	52	0.16	0.05	1.10	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9977	MELO-CORR	YES	23925.12		38.92	0.87	39.79	6400	Valve	23925.12	Valve	42070.8	36	0.312	52	0.15	0.05	1.22	0.35	0.253472	335	1069	769	649	0.44	1.19							1598	Metal Loss		
9978	GirthWeld		23925.99		39.79	39.82	39.83	6410	Valve	23925.99	Valve	42069.93	36	0.312	52					0.045833	335			649									1250	Unknown		
9980	CLUSTER	YES	23931.38		5.38	34.44	39.83	6410	Valve	23931.38	Valve	42064.54	36	0.312	52	0.16	0.05	9.95	2.48	0.247222	335	982	707	649	0.47	1.11							1250	Unknown		
9985	MELO-CORR	YES	23935.71		9.72	30.11	39.83	6410	Valve	23935.71	Valve	42060.21	36	0.312	52	0.15	0.05	1.14	0.20	5:54	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9987	CLUSTER	YES	23938.85		12.86	26.96	39.83	6410	Valve	23938.85	Valve	42057.07	36	0.312	52	0.2	0.06	7.15	0.50	5:57	335	977	704	649	0.48	1.11							1250	Unknown		
9990	MELO-CORR	YES	23952.57		26.58	13.25	39.83	6410	Valve	23952.57	Valve	42043.35	36	0.312	52	0.16	0.05	1.10	0.28	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
9992	CLUSTER	YES	23959.42		33.43	6.4	39.83	6410	Valve	23959.42	Valve	42036.5	36	0.312	52	0.2	0.06	5.78	1.64	0.250694	335	992	714	649	0.47	1.12							1250	Unknown		
9998	MELO-CORR	YES	23962.49		36.5	3.32	39.83	6410	Valve	23962.49	Valve	42033.43	36	0.312	52	0.17	0.05	1.46	0.47	0.25	335	1065	767	649	0.44	1.18							1598	Metal Loss		
10000	CLUSTER	YES	23962.92		36.93	2.89	39.83	6410	Valve	23962.92	Valve	42033	36	0.312	52	0.15	0.05	5.94	1.64	5:58	335	1013	729	649	0.46	1.13							1250	Unknown		
10004	GirthWeld		23965.81		39.82	39.84	39.83	6420	Valve	23965.81	Valve	42030.11	36	0.312	52					11:06	335			649									1250	Unknown		
10006	CLUSTER	YES	23983.88		18.07	21.77	39.83	6420	Valve	23983.88	Valve	42012.04	36	0.312	52	0.18	0.06	2.36	0.79	0.25	335	1051	756	649	0.44	1.17							1250	Unknown		
10008	MELO-CORR	YES	23986.87		21.06	18.78	39.83	6420	Valve	23986.87	Valve	42009.05	36	0.312	52	0.16	0.05	1.22	0.24	0.249306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10009	GirthWeld		24005.65		39.83	39.38	39.38	6430	Valve	24005.65	Valve	41990.27	36	0.312	52					0.054861	335			649									1250	Unknown		
10011	CLUSTER	YES	24011.39		5.74	33.64	39.38	6430	Valve	24011.39	Valve	41984.53	36	0.312	52	0.21	0.07	5.44	3.80	5:58	335	992	714	649	0.47	1.13							1250	Unknown		
10015	MELO-CORR	YES	24016.94		11.29	28.08	39.38	6430	Valve	24016.94	Valve	41978.98	36	0.312	52	0.16	0.05	1.14	0.16	6:15	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10017	CLUSTER	YES	24019.2		13.55	25.82	39.38	6430	Valve	24019.2	Valve	41976.72	36	0.312	52	0.15	0.05	5.99	1.98	0.250694	335	1013	729	649	0.46	1.13							1250	Unknown		
10022	CLUSTER	YES	24022.01		16.36	23.01	39.38	6430	Valve	24022.01	Valve	41973.91	36	0.312	52	0.15	0.05	4.88	0.72	0.25625	335	1023	737	649	0.45	1.14							1250	Unknown		
10024	GirthWeld		24045.02		39.37	39.81	39.81	6440	Valve	24045.02	Valve	41950.9	36	0.312	52					0.474306	335			649									1250	Unknown		
10026	CLUSTER	YES	24074.4		29.38	10.43	39.81	6440	Valve	24074.4	Valve	41921.52	36	0.312	52	0.18	0.06	9.72	1.26	6:01	335	971	699	649	0.48	1.11							1250	Unknown		
10033	CLUSTER	YES	24080.21		35.19	4.63	39.81	6440	Valve	24080.21	Valve	41915.71	36	0.312	52	0.15	0.05	4.73	0.69	6:03	335	1025	738	649	0.45	1.14							1250	Unknown		
10035	MELO-CORR	YES	24082.35		37.33	2.48	39.81	6440	Valve	24082.35	Valve	41913.57	36	0.312	52	0.15	0.05	1.14	0.20	0.255556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10036	GirthWeld		24084.83		39.81	39.82	39.81	6450	Valve	24084.83	Valve	41911.09	36	0.312	52					0.056944	335			649									1250	Unknown		
10038	CLUSTER	YES	24085.07		0.24	39.58	39.81	6450	Valve	24085.07	Valve	41910.85	36	0.312	52	0.16	0.05	2.99	1.89	0.250694	335	1045	752	649	0.45	1.16							1250	Unknown		
10041	CLUSTER	YES	24086.2		1.37	38.44	39.81	6450	Valve	24086.2	Valve	41909.72	36	0.312	52	0.15	0.05	2.52	0.25	6:13	335	1053	758	649	0.44	1.17							1250	Unknown		
10043	MELO-CORR	YES	24097.12		12.29	27.53	39.81	6450	Valve	24097.12	Valve	41898.8	36	0.312	52	0.26	0.08	0.87	0.20	5:59	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10045	CLUSTER	YES	24098.53		13.7	26.12	39.81	6450	Valve	24098.53	Valve	41897.39	36	0.312	52	0.15	0.05	3.77	1.89	0.245833	335	1036	746	649	0.45	1.15							1250	Unknown		
10048	CLUSTER	YES	24099.13		14.3	25.52	39.81	6450	Valve	24099.13	Valve	41896.79	36	0.312	52	0.16	0.05	8.27	1.29	0.247222	335	991	713	649	0.47	1.11							1250	Unknown		
10055	CLUSTER	YES	24099.96		15.13	24.68	39.81	6450	Valve	24099.96	Valve	41895.96	36	0.312	52	0.16	0.05	3.02	0.44	0.250694	335	1044	752	649	0.45	1.16							1250	Unknown		
10057	MELO-CORR	YES	24113.9		29.07	10.75	39.81	6450	Valve	24113.9	Valve	41882.02	36	0.312	52	0.16	0.05	1.14	0.28	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10058	GirthWeld		24124.65		39.82	37.26	37.27	6460	Valve	24124.65	Valve	41871.27	36	0.312	52					11:43	335			649									1250	Unknown		
10059	GirthWeld		24161.91		37.26	39.66	39.66	6470	Valve	24161.91	Valve	41834.01	36	0.312	52					0.066667	335			649									1250	Unknown		
10060	GirthWeld		24201.57		39.66	39.75	39.75	6480	Valve	24201.57	Valve	41794.35	36	0.312	52					0.4625	335			649									1250	Unknown		
10061	GirthWeld		24241.32		39.75	39.76	39.76	6490	Valve	24241.32	Valve	41754.6	36	0.312	52					0.536111	335			649									1250	Unknown		
10062	GirthWeld		24281.08		39.76	39.61	39.61	6500	Valve	24281.08	Valve	41714.84	36	0.312	52					11:07	335			649									1250	Unknown		
10063	GirthWeld		24320.69		39.61	39.83	39.83	6510	Valve	24320.69	Valve	41675.23	36	0.312	52					1:36	335			649									1250	Unknown		
10064	MELO-CORR	YES	24336.21		15.52	24.31	39.83	6510	Valve	24336.21	Valve	41659.71	36	0.312	52	0.24	0.08	1.14	0.16	0.25625	335	1065	767	649	0.44	1.18							1598	Metal Loss		
10065	MELO-CORR	YES	24344.73		24.04	15.8	39.83	6510	Valve	24344.73	Valve	41651.19	36	0.312	52	0.15	0.05	1.14	0.16	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10066	MELO-CORR	YES	24348.04		27.35	12.48	39.83	6510	Valve	24348.04	Valve	41647.88	36	0.312	52	0.15	0.05	1.10	0.39	0.252083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10068	CLUSTER	YES	24355.39		34.7	5.14	39.83	6510	Valve	24355.39	Valve	41640.53	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
10118	GirthWeld		24440.1		39.75	39.83	39.83	6540	Valve	24440.1	Valve	41555.82	36	0.312	52					11:20	335			649									1250	Unknown		
10119	MELO-CORR	YES	24440.35		0.25	39.59	39.83	6540	Valve	24440.35	Valve	41555.57	36	0.312	52	0.17	0.05	0.98	0.20	6:09	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10121	CLUSTER	YES	24447.4		7.3	32.53	39.83	6540	Valve	24447.4	Valve	41548.52	36	0.312	52	0.24	0.08	4.37	0.88	0.245139	335	997	718	649	0.47	1.13							1250	Unknown		
10125	CLUSTER	YES	24449.46		9.36	30.47	39.83	6540	Valve	24449.46	Valve	41546.46	36	0.312	52	0.16	0.05	6.53	0.47	0.25625	335	1003	722	649	0.46	1.13							1250	Unknown		
10128	CLUSTER	YES	24452.12		12.02	27.81	39.83	6540	Valve	24452.12	Valve	41543.8	36	0.312	52	0.15	0.05	4.09	1.70	0.253472	335	1032	743	649	0.45	1.15							1250	Unknown		
10131	CLUSTER	YES	24453.25		13.15	26.68	39.83	6540	Valve	24453.25	Valve	41542.67	36	0.312	52	0.18	0.06	3.70	1.16	5:59	335	1029	741	649	0.45	1.15							1250	Unknown		
10134	CLUSTER	YES	24456.72		16.62	23.21	39.83	6540	Valve	24456.72	Valve	41539.2	36	0.312	52	0.21	0.07	6.28	1.20	6:00	335	982	707	649	0.47	1.11							1250	Unknown		
10139	MELO-CORR	YES	24460.6		20.5	19.33	39.83	6540	Valve	24460.6	Valve	41535.32	36	0.312	52	0.15	0.05	1.14	0.32	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10140	MELO-CORR	YES	24461.58		21.48	18.35	39.83	6540	Valve	24461.58	Valve	41534.34	36	0.312	52	0.23	0.07	1.22	0.47	0.254167	335	1065	767	649	0.44	1.18							1598	Metal Loss		
10141	MELO-CORR	YES	24463		22.9	16.94	39.83	6540	Valve	24463	Valve	41532.92	36	0.312	52	0.17	0.05	1.18	0.16	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10143	CLUSTER	YES	24477.33		37.24	2.6	39.83	6540	Valve	24477.33	Valve	41518.58	36	0.312	52	0.18	0.06	9.37	1.23	6:00	335	973	700	649	0.48	1.11							1250	Unknown		
10147	GirthWeld		24479.93		39.83	37.63	37.63	6550	Valve	24479.93	Valve	41515.99	36	0.312	52					1:24	335			649									1250	Unknown		
10149	CLUSTER	YES	24480.53		0.6	37.04	37.63	6550	Valve	24480.53	Valve	41515.39	36	0.312	52	0.15	0.05	4.60	1.01	0.255556	335	1026	739	649	0.45	1.14							1250	Unknown		
10153	CLUSTER	YES	24501.63		21.7	15.93	37.63	6550	Valve	24501.63	Valve	41494.29	36	0.312	52	0.16	0.05	3.35	0.38	0.252083	335	1040	748	649	0.45	1.16							1250	Unknown		
10156	CLUSTER	YES	24507.13		27.2	10.43	37.63	6550	Valve	24507.13	Valve	41488.79	36	0.312	52	0.18	0.06	5.24	0.44	0.251389	335	1008	725	649	0.46	1.13							1250	Unknown		
10159	GirthWeld		24517.56		37.63	39.77	39.77	6560	Valve	24517.56	Valve	41478.36	36	0.312	52					11:20	335			649									1250	Unknown		
10160	GirthWeld		24557.33		39.77	39.76	39.76	6570	Valve	24557.33	Valve	41438.59	36	0.312	52					1:22	335			649									1250	Unknown		
10161	GirthWeld		24597.09		39.76	39.78	39.78	6580	Valve	24597.09	Valve	41398.83	36	0.312	52					0.472222	335			649									1250	Unknown		
10162	MELO-CORR	YES	24629.19		32.1	7.69	39.78	6580	Valve	24629.19	Valve	41366.73	36	0.312	52	0.17	0.05	1.10	0.20	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10163	GirthWeld		24636.87		39.78	39.8	39.8	6590	Valve	24636.87	Valve	41359.05	36	0.312	52					0.065278	335			649									1250	Unknown		
10165	CLUSTER	YES	24657.43		20.56	19.24	39.8	6590	Valve	24657.43	Valve	41338.49	36	0.312	52	0.18	0.06	10.86	1.23	6:04	335	965	695	649	0.48	1.10							1250	Unknown		
10170	MELO-CORR	YES	24659.05		22.18	17.63	39.8	6590	Valve	24659.05	Valve	41336.87	36	0.312	52	0.15	0.05	1.10	0.24	6:07	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10172	CLUSTER	YES	24660.1		23.23	16.58	39.8	6590	Valve	24660.1	Valve	41335.82	36	0.312	52	0.15	0.05	2.76	3.27	0.245139	335	1050	756	649	0.44	1.17							1250	Unknown		
10175	MELO-CORR	YES	24660.38		23.51	16.29	39.8	6590	Valve	24660.38	Valve	41335.54	36	0.312	52	0.17	0.05	1.22	0.16	0.245833	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10177	CLUSTER	YES	24662.53		25.66	14.15	39.8	6590	Valve	24662.53	Valve	41333.39	36	0.312	52	0.15	0.05	5.24	0.50	0.253472	335	1020	734	649	0.46	1.14							1250	Unknown		
10180	MELO-CORR	YES	24667.84		30.97	8.83	39.8	6590	Valve	24667.84	Valve	41328.08	36	0.312	52	0.19	0.06	1.10	0.16	6:15	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10182	CLUSTER	YES	24672.01		35.14	4.66	39.8	6590	Valve	24672.01	Valve	41323.91	36	0.312	52	0.15	0.05	15.16	0.76	6:04	335	973	700	649	0.48	1.09							1250	Unknown		
10189	CLUSTER	YES	24675.69		38.82	0.99	39.8	6590	Valve	24675.69	Valve	41320.23	36	0.312	52	0.19	0.06	5.23	0.41	0.2625	335	1003	722	649	0.46	1.13							1250	Unknown		
10192	GirthWeld		24676.67		39.8	39.89	39.89	6600	Valve	24676.67	Valve	41319.25	36	0.312	52					0.452778	335			649									1250	Unknown		
10194	CLUSTER	YES	24680.76		4.09	35.8	39.89	6600	Valve	24680.76	Valve	41315.16	36	0.312	52	0.18	0.06	1.78	0.50	0.250694	335	1060	763	649	0.44	1.18							1250	Unknown		
10196	MELO-CORR	YES	24683.13		6.46	33.42	39.89	6600	Valve	24683.13	Valve	41312.79	36	0.312	52	0.2	0.06	1.10	0.32	6:03	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10197	MELO-CORR	YES	24690.17		13.5	26.39	39.89	6600	Valve	24690.17	Valve	41305.75	36	0.312	52	0.16	0.05	1.10	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10198	GirthWeld		24716.56		39.89	39.84	39.85	6610	Valve	24716.56	Valve	41279.36	36	0.312	52					0.065278	335			649									1250	Unknown		
10200	CLUSTER	YES	24716.69		0.13	39.71	39.85	6610	Valve	24716.69	Valve	41279.23	36	0.312	52	0.18	0.06	6.71	1.04	0.252083	335	992	714	649	0.47	1.11							1250	Unknown		
10205	CLUSTER	YES	24717.47		0.91	38.93	39.85	6610	Valve	24717.47	Valve	41278.45	36	0.312	52	0.2	0.06	2.52	0.72	0.254861	335	1045	752	649	0.45	1.17							1250	Unknown		
10207	GirthWeld		24756.4		39.84	39.82	39.82	6620	Valve	24756.4	Valve	41239.52	36	0.312	52					11:22	335			649									1250	Unknown		
10208	GirthWeld		24796.22		39.82	39.82	39.82	6630	Valve	24796.22	Valve	41199.7	36	0.312	52					1:28	335			649									1250	Unknown		
10209	GirthWeld		24836.04		39.82	39.23	39.22	6640	Valve	24836.04	Valve	41159.88	36	0.312	52					0.479167	335			649									1250	Unknown		
10210	MELO-CORR	YES	24852		15.96	23.27	39.22	6640	Valve	24852	Valve	41143.92	36	0.312	52	0.15	0.05	1.18	0.16	0.255556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10212	CLUSTER	YES	24855.36		19.32	19.91	39.22	6640	Valve	24855.36	Valve	41140.56	36	0.312	52	0.16	0.05	1.30	2.08	0.252778	335	1067	768	649	0.44	1.18							1250	Unknown		
10214	GirthWeld		24875.27		39.23	39.77	39.78	6650	Valve	24875.27	Valve	41120.65	36	0.312	52					1:21	335			649									1250	Unknown		
10216	CLUSTER	YES	24877.19		1.92	37.85	39.78	6650	Valve	24877.19	Valve	41118.73	36	0.312	52	0.16	0.05	1.57	0.94	5:49	335	1064	766	649	0.44	1.18							1250	Unknown		
10218	GirthWeld		24915.04		39.77	39.4	39.4	6660	Valve	24915.04	Valve	41080.88	36	0.312	52					0.441667	335			649									1250	Unknown		
10219	GirthWeld		24954.44		39.4	39.76	39.75	6670	Valve	24954.44	Valve	41041.48	36	0.312	52					0.05	335			649									1250	Unknown		
10220	GirthWeld		24994.2		39.76	39.81	39.81	6680	Valve	24994.2	Valve	41001.72	36	0.312	52					0.475694	335			649									1250	Unknown		
10222	CLUSTER	YES	25017.54		23.34	16.47	39.81	6680	Valve	25017.54	Valve	40978.38	36	0.312	52	0.2	0.06	2.23	0.41	6:05	335	1050	756	649	0.44	1.17							1250	Unknown		
10224	GirthWeld		25034.01		39.81	39.79	39.79	6690	Valve	25034.01	Valve	40961.91	36	0.312	52					1:10	335			649									1250	Unknown		
10225	MELO-CORR	YES	25060.07		26.06	13.72	39.79	6690	Valve	25060.07	Valve	40935.85	36	0.312	52	0.15	0.05	1.18	0.32	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10227	CLUSTER	YES	25063.04		29.03	10.76	39.79	6690	Valve	25063.04	Valve	40932.88	36	0.312	52	0.2	0.06	2.29	0.76	0.25	335	1049	755	649	0.44	1.17							1250	Unknown		
10230	CLUSTER	YES	25065.74		31.74	8.05	39.79	6690	Valve	25065.74	Valve	40930.18	36	0.312	52	0.18	0.06	1.88	0.94	0.258333	335	1058	762	649	0.44	1.18							1250	Unknown		
10232	GirthWeld		25073.8		39.79	39.79	39.79	6700	Valve	25073.8	Valve	40922.12	36	0.312	52					11:10	335			649									1250	Unknown		
10234	CLUSTER	YES	25075.25		1.45	38.34	39.79	6700	Valve	25075.25	Valve	40920.67	36	0.312	52	0.17	0.05	1.28	0.94	5:47	335	1067	768	649	0.44	1.18							1250	Unknown		
10237	CLUSTER	YES	25077.97		4.17	35.62	39.79	6700	Valve	25077.97	Valve	40917.96	36	0.312	52	0.19	0.06	6.78	0.76	0.252083	335	986	710	649	0.47	1.12							1250	Unknown		
10242	CLUSTER	YES	25078.77		4.97	34.81	39.79	6700	Valve	25078.77	Valve	40917.15	36	0.312	52	0.16	0.05	5.10	1.10	0.251389	335	1017	732	649	0.46	1.13							1250	Unknown		
10247	MELO-CORR	YES	25079.46		5.66	34.13	39.79	6700	Valve	25079.46	Valve	40916.46	36	0.312	52	0.16	0.05	1.14	0.20	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10248	MELO-CORR	YES	25079.66		5.86	33.93	39.79	6700	Valve	25079.66	Valve	40916.26	36	0.312	52	0.17	0.05	1.14	0.28	6:07	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10250	CLUSTER	YES	25080.69		6.89	32.9	39.79	6700	Valve	25080.69	Valve	40915.23	36	0.312	52	0.17	0.05	4.57	3.61	6:02	335	1020	734	649	0.46	1.14							1250	Unknown		
10256	CLUSTER	YES	25082.49		8.69	31.1	39.79	6700	Valve	25082.49	Valve	40913.43	36	0.312	52	0.15	0.05	2.24	0.79	0.250694	335	1057	761	649	0.44	1.17							1250	Unknown		
10259	CLUSTER	YES	25086.03		12.23	27.56	39.79	6700	Valve	25086.03	Valve	40909.89	36	0.312	52	0.28	0.09	3.38	0.35	0.235417	335	1006	724	649	0.46	1.15							1250	Unknown		
10261	MELO-CORR	YES	25090.34		16.54	23.24	39.79	6700	Valve	25090.34	Valve	40905.58	36	0.312	52	0.17	0.05	1.14	0.43	0.238889	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10262	MELO-CORR	YES	25092.58		18.78	21.01	39.79	6700	Valve	25092.58	Valve	40903.34	36	0.312	52	0.15	0.05	1.10	0.20	6:18	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10263	MELO-CORR	YES	25095.29		21.49	18.29	39.79	6700	Valve	25095.29	Valve	40900.63	36	0.312	52	0.16	0.05	1.10	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10265	CLUSTER	YES	25096.53		22.73	17.06	39.79	6700	Valve	25096.53	Valve	40899.39	36	0.312	52	0.24	0.08	6.18	0.38	0.252083	335	968	697	649	0.48	1.12							1250	Unknown		
10267	MELO-CORR	YES	25100.17		26.37	13.42	39.79	6700	Valve	25100.17	Valve	40895.75	36	0.312	52	0.15	0.05	1.22	0.20	0.270139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10269	CLUSTER	YES	25100.48		26.68	13.11	39.79	6700	Valve	25100.48	Valve	40895.44	36	0.312	52	0.18	0.06	3.00	1.23	0.248611	335	1040	749	649	0.45	1.16							1250	Unknown		
10271	MELO-CORR	YES	25101.98		28.18	11.61	39.79	6700	Valve	25101.98	Valve	40893.94	36	0.312	52	0.18	0.06	1.14	0.20	6:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10273	CLUSTER	YES	25102.42		28.62	11.16	39.79	6700	Valve	25102.42	Valve	40893.5	36	0.312	52	0.16	0.05	2.89	0.35	6:03	335	1046	753	649	0.44	1.16							1250	Unknown		
10276	CLUSTER	YES	25103.84		30.04	9.75	39.79	6700	Valve	25103.84	Valve	40892.08	36	0.312	52	0.18	0.06	1.64	0.94	0.240972	335	1062	764	649	0.44	1.18							1250	Unknown		
10279	CLUSTER	YES	25105.29		31.49	8.3	39.79	6700	Valve	25105.29	Valve	40890.63	36	0.312	52	0.25	0.08	8.72	0.94	0.25	335	934	673	649	0.50	1.10							1250	Unknown		
10284	MELO-CORR	YES	25111.09		37.29	2.5	39.79	6700	Valve	25111.09	Valve	40884.83	36	0.312	52	0.23	0.07	1.34	0.43	0.259028	335	1063	765	649	0.44	1.18							1598	Metal Loss		
10285	MELO-CORR	YES	25111.67		37.87	1.92	39.79	6700	Valve	25111.67	Valve	40884.25	36	0.312	52	0.2	0.06	1.18	0.20	5:57	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10286	MELO-CORR	YES	25113.22		39.42	0.37	39.79	6700	Valve	25113.22	Valve	40882.7	36	0.312	52	0.15	0.05	1.22	0.16	5:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10287	GirthWeld		25113.59		39.79	39.85	39.85	6710	Valve	25113.59	Valve	40882.33	36	0.312	52					0.065278	335			649									1250	Unknown		
10289	CLUSTER	YES	25114.17		0.58	39.27	39.85	6710	Valve	25114.17	Valve	40881.75	36	0.312	52	0.18	0.06	9.92	1.95	0.251389	335	970	698	649	0.48	1.09							1250	Unknown		
10293	CLUSTER	YES	25114.39		0.8	39.05	39.85	6710	Valve	25114.39	Valve	40881.53	36	0.312	52	0.15	0.05	2.72	1.29	0.233333	335	1050	756	649	0.44	1.17							1250	Unknown		
10298	MELO-CORR	YES	25115.08		1.49	38.36	39.85	6710	Valve	25115.08	Valve	40880.84	36	0.312	52	0.18	0.06	1.18	0.20	6:17	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10300	CLUSTER	YES	25117.92		4.33	35.52	39.85	6710	Valve	25117.92	Valve	40878	36	0.312	52	0.18	0.06	4.34	0.63	6:17	335	1020	734	649	0.46	1.14							1250	Unknown		
10302	MELO-CORR	YES	25138.31		24.72	15.13	39.85	6710	Valve	25138.31	Valve	40857.61	36	0.312	52	0.16	0.05	1.18	0.20	0.253472	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10303	GirthWeld		25153.44		39.85	39.33	39.33	6720	Valve	25153.44	Valve	40842.48	36	0.312	52					0.456944	335			649									1250	Unknown		
10304	MELO-CORR	YES	25186.78		33.34	5.99	39.33	6720	Valve	25186.78	Valve	40809.14	36	0.312	52	0.16	0.05	1.10	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10305	GirthWeld		25192.77		39.33	39.67	39.66	6730	Valve	25192.77	Valve	40803.15	36	0.312	52					1:36	335			649									1250	Unknown		
10306	MELO-CORR	YES	25195.56		2.79	36.88	39.66	6730	Valve	25195.56	Valve	40800.36	36	0.312	52	0.17	0.05	1.22	0.24	6:17	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10307	MELO-CORR	YES	25207.02		14.25	25.42	39.66	6730	Valve	25207.02	Valve	40788.9	36	0.312	52	0.16	0.05	1.10	0.20	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10309	CLUSTER	YES	25211.08		18.31	21.36	39.66	6730	Valve	25211.08	Valve	40784.84	36	0.312	52	0.16	0.05	1.64	0.97	0.240972	335	1063	766	649	0.44	1.18							1250	Unknown		
10311	GirthWeld		25232.44		39.67	39.83	39.83	6740	Valve	25232.44	Valve	40763.48	36	0.312	52					0.480556	335			649									1250	Unknown		
10312	GirthWeld		25272.27		39.83	38.34	38.34	6750	Valve	25272.27	Valve	40723.65	36	0.312	52					1:16	335			649									1250	Unknown		
10313	MELO-CORR	YES	25299.78		27.51	10.83	38.34	6750	Valve	25299.78	Valve	40696.14	36	0.312	52	0.17	0.05	1.10	0.20	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10314	MELO-CORR	YES	25306.1		33.83	4.51	38.34	6750	Valve	25306.1	Valve	40689.82	36	0.312	52	0.17	0.05	1.10	0.20	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10315	GirthWeld		25310.61		38.34	39.73	39.73	6760	Valve	25310.61	Valve	40685.31	36	0.312	52					0.465278	335			649									1250	Unknown		
10316	MELO-CORR	YES	25328.06		17.45	22.28	39.73	6760	Valve	25328.06	Valve	40667.86	36	0.312	52	0.15	0.05	1.14	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10318	CLUSTER	YES	25341.16		30.55	9.18	39.73	6760	Valve	25341.16	Valve	40654.76	36	0.312	52	0.18	0.06	2.81	0.32	6:04	335	1044	751	649	0.45	1.16							1250	Unknown		
10320	GirthWeld		25350.34		39.73	39.81	39.81	6770	Valve	25350.34	Valve	40645.58	36	0.312	52					2:06	335			649									1250	Unknown		
10321	MELO-CORR	YES	25359.99		9.65	30.16	39.81	6770	Valve	25359.99	Valve	40635.93	36	0.312	52	0.16	0.05	1.18	0.20	0.25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10322	MELO-CORR	YES	25371.5		21.16	18.65	39.81	6770	Valve	25371.5	Valve	40624.42	36	0.312	52	0.15	0.05	1.14	0.24	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10323	MELO-CORR	YES	25380.91		30.57	9.24	39.81	6770	Valve	25380.91	Valve	40615.01	36	0.312	52	0.15	0.05	1.18	0.16	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10324	GirthWeld		25390.15		39.81	39.8	39.8	6780	Valve	25390.15	Valve	40605.77	36	0.312	52					11:14	335			649									1250	Unknown		
10326	CLUSTER	YES	25426.82		36.67	3.13	39.8	6780	Valve	25426.82	Valve	40569.1	36	0.312	52	0.15	0.05	3.97	1.67	6:00	335	1034	744	649	0.45	1.15							1250	Unknown		
10329	MELO-CORR	YES	25428.07		37.92	1.88	39.8	6780	Valve	25428.07	Valve	40567.85	36	0.312	52	0.15	0.05	1.22	0.24	0.252083	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10330	GirthWeld		25429.95		39.8	39.28	39.28	6790	Valve	25429.95	Valve	40565.97	36	0.312	52					0.05	335			649									1250	Unknown		
10331	GirthWeld		25469.23		39.28	39.69	39.69	6800	Valve	25469.23	Valve	40526.69	36	0.312	52					0.476389	335			649									1250	Unknown		
10332	MELO-CORR	YES	25493.21		23.98	15.71	39.69	6800	Valve	25493.21	Valve	40502.71	36	0.312	52	0.15	0.05	1.10	0.24	6:21	335	1070	770	649	0.43	1.19							1598	Metal Loss		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
10385	CLUSTER	YES	25605.14		17.03	22.2	39.24	6830	Valve	25605.14	Valve	40390.78	36	0.312	52	0.19	0.06	11.82	2.96	5:51	335	955	687	649	0.49	1.09							1250	Unknown		
10396	CLUSTER	YES	25606.68		18.57	20.66	39.24	6830	Valve	25606.68	Valve	40389.24	36	0.312	52	0.19	0.06	12.12	2.11	6:01	335	954	687	649	0.49	1.09							1250	Unknown		
10403	CLUSTER	YES	25608.91		20.8	18.43	39.24	6830	Valve	25608.91	Valve	40387.01	36	0.312	52	0.2	0.06	5.47	2.14	0.246528	335	996	717	649	0.47	1.13							1250	Unknown		
10405	MELO-CORR	YES	25614.41		26.3	12.94	39.24	6830	Valve	25614.41	Valve	40381.51	36	0.312	52	0.16	0.05	1.10	0.20	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10406	MELO-CORR	YES	25617.78		29.67	9.56	39.24	6830	Valve	25617.78	Valve	40378.14	36	0.312	52	0.15	0.05	1.10	0.20	0.245833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10408	CLUSTER	YES	25618.59		30.48	8.75	39.24	6830	Valve	25618.59	Valve	40377.33	36	0.312	52	0.2	0.06	8.22	3.46	5:56	335	968	697	649	0.48	1.10							1250	Unknown		
10415	CLUSTER	YES	25622.79		34.68	4.55	39.24	6830	Valve	25622.79	Valve	40373.13	36	0.312	52	0.2	0.06	9.38	3.33	5:52	335	960	691	649	0.48	1.10							1250	Unknown		
10422	CLUSTER	YES	25623.89		35.78	3.46	39.24	6830	Valve	25623.89	Valve	40372.03	36	0.312	52	0.15	0.05	39.24	4.15	0.243056	335	953	687	649	0.49	1.07							1250	Unknown		
10454	GirthWeld		25627.34		39.23	39.73	39.73	6840	Valve	25627.34	Valve	40368.58	36	0.312	52					0.46875	335			649									1250	Unknown		
10455	MELO-CORR	YES	25634.26		6.92	32.81	39.73	6840	Valve	25634.26	Valve	40361.66	36	0.312	52	0.15	0.05	1.14	0.20	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10457	CLUSTER	YES	25660.97		33.63	6.1	39.73	6840	Valve	25660.97	Valve	40334.95	36	0.312	52	0.15	0.05	4.64	0.50	6:19	335	1026	739	649	0.45	1.14							1250	Unknown		
10460	GirthWeld		25667.07		39.73	38.2	38.19	6850	Valve	25667.07	Valve	40328.85	36	0.312	52					1:10	335			649									1250	Unknown		
10461	GirthWeld		25705.27		38.2	38.86	38.86	6860	Valve	25705.27	Valve	40290.65	36	0.312	52					0.452778	335			649									1250	Unknown		
10462	GirthWeld		25744.13		38.86	39.86	39.86	6870	Valve	25744.13	Valve	40251.79	36	0.312	52					0.044444	335			649									1250	Unknown		
10463	GirthWeld		25783.99		39.86	39.81	39.81	6880	Valve	25783.99	Valve	40211.93	36	0.312	52					0.463889	335			649									1250	Unknown		
10464	GirthWeld		25823.8		39.81	39.82	39.82	6890	Valve	25823.8	Valve	40172.12	36	0.312	52					1:30	335			649									1250	Unknown		
10465	MELO-CORR	YES	25857.54		33.74	6.08	39.82	6890	Valve	25857.54	Valve	40138.38	36	0.312	52	0.16	0.05	1.10	0.24	6:04	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10466	GirthWeld		25863.62		39.82	39.77	39.77	6900	Valve	25863.62	Valve	40132.3	36	0.312	52					0.445139	335			649									1250	Unknown		
10467	GirthWeld		25903.39		39.77	39.74	39.74	6910	Valve	25903.39	Valve	40092.53	36	0.312	52					0.054167	335			649									1250	Unknown		
10468	MELO-CORR	YES	25938.76		35.37	4.37	39.74	6910	Valve	25938.76	Valve	40057.16	36	0.312	52	0.15	0.05	1.14	0.20	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10469	GirthWeld		25943.13		39.74	39.82	39.82	6920	Valve	25943.13	Valve	40052.79	36	0.312	52					10:42	335			649									1250	Unknown		
10470	GirthWeld		25982.95		39.82	38	38	6930	Valve	25982.95	Valve	40012.97	36	0.312	52					12:56	335			649									1250	Unknown		
10471	GirthWeld		26020.95		38	39.78	39.77	6940	Valve	26020.95	Valve	39974.97	36	0.312	52					0.454167	335			649									1250	Unknown		
10472	GirthWeld		26060.73		39.78	39.86	39.86	6950	Valve	26060.73	Valve	39935.19	36	0.312	52					0.048611	335			649									1250	Unknown		
10473	GirthWeld		26100.59		39.86	38.85	38.85	6960	Valve	26100.59	Valve	39895.33	36	0.312	52					0.451389	335			649									1250	Unknown		
10474	MELO-CORR	YES	26119.36		18.77	20.08	38.85	6960	Valve	26119.36	Valve	39876.56	36	0.312	52	0.15	0.05	1.10	0.20	6:25	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10475	GirthWeld		26139.44		38.85	39.8	39.8	6970	Valve	26139.44	Valve	39856.48	36	0.312	52					1:35	335			649									1250	Unknown		
10476	MELO-CORR	YES	26175.31		35.87	3.93	39.8	6970	Valve	26175.31	Valve	39820.61	36	0.312	52	0.16	0.05	1.10	0.20	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10477	GirthWeld		26179.24		39.8	38.68	38.68	6980	Valve	26179.24	Valve	39816.68	36	0.312	52					0.4375	335			649									1250	Unknown		
10478	MELO-CORR	YES	26191.57		12.33	26.35	38.68	6980	Valve	26191.57	Valve	39804.35	36	0.312	52	0.16	0.05	1.22	0.20	0.268056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10479	MELO-CORR	YES	26200.07		20.83	17.85	38.68	6980	Valve	26200.07	Valve	39795.85	36	0.312	52	0.15	0.05	1.10	0.20	6:23	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10481	CLUSTER	YES	26211.53		32.29	6.39	38.68	6980	Valve	26211.53	Valve	39784.39	36	0.312	52	0.17	0.05	2.11	0.41	6:28	335	1056	760	649	0.44	1.17							1250	Unknown		
10483	GirthWeld		26217.92		38.68	38.16	38.16	6990	Valve	26217.92	Valve	39777.99	36	0.312	52					0.056944	335			649									1250	Unknown		
10484	GirthWeld		26256.08		38.16	39.79	39.79	7000	Valve	26256.08	Valve	39739.84	36	0.312	52					0.468056	335			649									1250	Unknown		
10485	GirthWeld		26295.87		39.79	39.75	39.75	7010	Valve	26295.87	Valve	39700.05	36	0.312	52					0.070833	335			649									1250	Unknown		
10486	GirthWeld		26335.62		39.75	39.78	39.78	7020	Valve	26335.62	Valve	39660.3	36	0.312	52					11:02	335			649									1250	Unknown		
10487	GirthWeld		26375.4		39.78	39.84	39.83	7030	Valve	26375.4	Valve	39620.51	36	0.312	52					1:18	335			649									1250	Unknown		
10488	MELO-CORR	YES	26381.6		6.2	33.64	39.83	7030	Valve	26381.6	Valve	39614.32	36	0.312	52	0.18	0.06	1.22	0.20	0.255556	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10490	CLUSTER	YES	26397.12		21.72	18.12	39.83	7030	Valve	26397.12	Valve	39598.8	36	0.312	52	0.25	0.08	7.26	1.10	0.269444	335	949	683	649	0.49	1.11							1250	Unknown		
10495	GirthWeld		26415.24		39.84	39.77	39.77	7040	Valve	26415.24	Valve	39580.68	36	0.312	52					0.452083	335			649									1250	Unknown		
10497	CLUSTER	YES	26415.41		0.17	39.6	39.77	7040	Valve	26415.41	Valve	39580.51	36	0.312	52	0.15	0.05	16.66	1.01	6:01	335	970	699	649	0.48	1.09							1250	Unknown		
10502	GirthWeld		26455.01		39.77	39.82	39.82	7050	Valve	26455.01	Valve	39540.91	36	0.312	52					1:06	335			649									1250	Unknown		
10503	MELO-CORR	YES	26466.92		11.91	27.91	39.82	7050	Valve	26466.92	Valve	39529	36	0.312	52	0.18	0.06	1.14	0.35	0.268056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10505	CLUSTER	YES	26467.37		12.36	27.46	39.82	7050	Valve	26467.37	Valve	39528.55	36	0.312	52	0.23	0.07	3.59	0.63	0.265972	335	1016	732	649	0.46	1.14							1250	Unknown		
10507	MELO-CORR	YES	26469.5		14.49	25.33	39.82	7050	Valve	26469.5	Valve	39526.42	36	0.312	52	0.23	0.07	1.10	0.24	0.267361	335	1066	768	649	0.44	1.18							1598	Metal Loss		
10509	CLUSTER	YES	26469.86		14.85	24.97	39.82	7050	Valve	26469.86	Valve	39526.06	36	0.312	52	0.2	0.06	6.80	0.50	6:23	335	981	706	649	0.47	1.10							1250	Unknown		
10512	MELO-CORR	YES	26483.57		28.56	11.26	39.82	7050	Valve	26483.57	Valve	39512.35	36	0.312	52	0.16	0.05	1.18	0.20	6:25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10513	MELO-CORR	YES	26486.12		31.11	8.71	39.82	7050	Valve	26486.12	Valve	39509.8	36	0.312	52	0.19	0.06	1.18	0.24	0.267361	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10514	GirthWeld		26494.83		39.82	39.79	39.79	7060	Valve	26494.83	Valve	39501.09	36	0.312	52					0.458333	335			649									1250	Unknown		
10515	MELO-CORR	YES	26496.63		1.8	37.99	39.79	7060	Valve	26496.63	Valve	39499.29	36	0.312	52	0.21	0.07	1.10	0.20	0.252778	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10516	MELO-CORR	YES	26524.4		29.57	10.22	39.79	7060	Valve	26524.4	Valve	39471.52	36	0.312	52	0.18	0.06	1.22	0.16	5:32	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10517	MELO-CORR	YES	26525.91		31.08	8.71	39.79	7060	Valve	26525.91	Valve	39470.01	36	0.312	52	0.15	0.05	1.10	0.20	5:35	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10518	GirthWeld		26534.62		39.79	38.83	38.82	7070	Valve	26534.62	Valve	39461.3	36	0.312	52					0.065972	335			649									1250	Unknown		
10519	MELO-CORR	YES	26537.57		2.95	35.88	38.82	7070	Valve	26537.57	Valve	39458.35	36	0.312	52	0.15	0.05	1.10	0.20	0.232639	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10520	MELO-CORR	YES	26561.85		27.23	11.6	38.82	7070	Valve	26561.85	Valve	39434.07	36	0.312	52	0.19	0.06	1.14	0.20	0.234722	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10521	MELO-CORR	YES	26561.87		27.25	11.57	38.82	7070	Valve	26561.87	Valve	39434.05	36	0.312	52	0.21	0.07	1.14	0.24	6:24	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10522	MELO-CORR	YES	26564.45		29.83	9	38.82	7070	Valve	26564.45	Valve	39431.47	36	0.312	52	0.17	0.05	1.14	0.20	5:39	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10524	CLUSTER	YES	26564.8		30.18	8.65	38.82	7070	Valve	26564.8	Valve	39431.12	36	0.312	52	0.17	0.05	7.87	2.01	0.234028	335	988	711	649	0.47	1.11							1250	Unknown		
10529	MELO-CORR	YES	26567.23		32.61	6.22	38.82	7070	Valve	26567.23	Valve	39428.69	36	0.312	52	0.17	0.05	1.18	0.43	0.235417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10530	GirthWeld		26573.45		38.83	39.81	39.82	7080	Valve	26573.45	Valve	39422.47	36	0.312	52					0.465972	335			649									1250	Unknown		
10531	MELO-CORR	YES	26591.67		18.22	21.59	39.82	7080	Valve	26591.67	Valve	39404.25	36	0.312	52	0.16	0.05	1.10	0.20	6:03	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10532	GirthWeld		26613.26		39.81	39.75	39.75	7090	Valve	26613.26	Valve	39382.66	36	0.312	52					1:32	335			649									1250	Unknown		
10534	CLUSTER	YES	26614		0.74	39.02	39.75	7090	Valve	26614	Valve	39381.92	36	0.312	52	0.16	0.05	2.95	0.50	0.253472	335	1045	753	649	0.45	1.16							1250	Unknown		
10536	MELO-CORR	YES	26614.56		1.3	38.46	39.75	7090	Valve	26614.56	Valve	39381.36	36	0.312	52	0.17	0.05	1.10	0.20	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10538	CLUSTER	YES	26634.28		21.02	18.74	39.75	7090	Valve	26634.28	Valve	39361.64	36	0.312	52	0.2	0.06	4.30	0.88	0.252083	335	1013	730	649	0.46	1.14							1250	Unknown		
10542	CLUSTER	YES	26635.5		22.24	17.51	39.75	7090	Valve	26635.5	Valve	39360.42	36	0.312	52	0.16	0.05	2.12	0.63	5:38	335	1057	761	649	0.44	1.17							1250	Unknown		
10544	MELO-CORR	YES	26638.53		25.27	14.49	39.75	7090	Valve	26638.53	Valve	39357.39	36	0.312	52	0.16	0.05	1.10	0.24	6:01	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10546	CLUSTER	YES	26643.4		30.14	9.61	39.75	7090	Valve	26643.4	Valve	39352.52	36	0.312	52	0.16	0.05	2.52	0.47	0.252778	335	1051	757	649	0.44	1.17							1250	Unknown		
10549	CLUSTER	YES	26645.08		31.82	7.93	39.75	7090	Valve	26645.08	Valve	39350.84	36	0.312	52	0.24	0.08	6.79	1.01	0.232639	335	960	691	649	0.48	1.12							1250	Unknown		
10553	MELO-CORR	YES	26648.71		35.45	4.3	39.75	7090	Valve	26648.71	Valve	39347.21	36	0.312	52	0.16	0.05	1.18	0.16	0.266667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10554	GirthWeld		26653.01		39.75	39.72	39.72	7100	Valve	26653.01	Valve	39342.91	36	0.312	52					11:09	335			649									1250	Unknown		
10556	CLUSTER	YES	26656.95		3.94	35.78	39.72	7100	Valve	26656.95	Valve	39338.97	36	0.312	52	0.17	0.05	4.86	0.85	6:02	335	1016	732	649	0.46	1.14							1250	Unknown		
10560	CLUSTER	YES	26663.44		10.43	29.29	39.72	7100	Valve	26663.44	Valve	39332.48	36	0.312	52	0.18	0.06	3.38	0.97	0.251389	335	1034	744	649	0.45	1.15							1250	Unknown		
10564	CLUSTER	YES	26664.74		11.73	27.98	39.72	7100	Valve	26664.74	Valve	39331.18	36	0.312	52	0.15	0.05	2.10	0.63	0.252778	335	1059	762	649	0.44	1.17							1250	Unknown		
10567	CLUSTER	YES	26666.1		13.09	26.63	39.72	7100	Valve	26666.1	Valve	39329.82	36	0.312	52	0.15	0.05	4.60	0.94	0.252083	335	1026	739	649	0.45	1.14							1250	Unknown		
10572	CLUSTER	YES	26667.18		14.17	25.55	39.72	7100	Valve	26667.18	Valve	39328.74	36	0.312	52	0.17	0.05	5.84	1.76	5:57	335	1005	724	649	0.46	1.13							1250	Unknown		
10577	CLUSTER	YES	26668.57		15.56	24.16	39.72	7100	Valve	26668.57	Valve	39327.35	36	0.312	52	0.17	0.05	6.94	1.01	6:02	335	995	716	649	0.47	1.12							1250	Unknown		
10582	MELO-CORR	YES	26669.38		16.37	23.35	39.72	7100	Valve	26669.38	Valve	39326.54	36	0.312	52	0.19	0.06	1.10	0.16	0.254861	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10584	CLUSTER	YES	26671.83		18.82	20.9	39.72	7100	Valve	26671.83	Valve	39324.09	36	0.312	52	0.23	0.07	5.05	0.94	0.252083	335	989	712	649	0.47	1.13							1250	Unknown		
10588	CLUSTER	YES	26672.56		19.55	20.17	39.72	7100	Valve	26672.56	Valve	39323.36	36	0.312	52	0.16	0.05	2.57	0.91	0.252083	335	1051	757	649	0.44	1.17							1250	Unknown		
10591	CLUSTER	YES	26679.78		26.77	12.95	39.72	7100	Valve	26679.78	Valve	39316.14	36	0.312	52	0.18	0.06	4.10	0.82	6:02	335	1023	737	649	0.45	1.14							1250	Unknown		
10595	CLUSTER	YES	26680.52		27.51	12.2	39.72	7100	Valve	26680.52	Valve	39315.4	36	0.312	52	0.15	0.05	3.28	0.72	6:03	335	1043	751	649	0.45	1.16							1250	Unknown		
10598	CLUSTER	YES	26681.42		28.41	11.31	39.72	7100	Valve	26681.42	Valve	39314.5	36	0.312	52	0.19	0.06	6.12	0.63	0.251389	335	993	715	649	0.47	1.13							1250	Unknown		
10602	CLUSTER	YES	26682.11		29.1	10.61	39.72	7100	Valve	26682.11	Valve	39313.81	36	0.312	52	0.15	0.05	5.51	1.26	0.252083	335	1017	732	649	0.46	1.13							1250	Unknown		
10607	MELO-CORR	YES	26691.39		38.38	1.33	39.72	7100	Valve	26691.39	Valve	39304.53	36	0.312	52	0.18	0.06	1.10	0.32	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10608	GirthWeld		26692.73		39.72	39.71	39.71	7110	Valve	26692.73	Valve	39303.19	36	0.312	52					1:36	335			649									1250	Unknown		
10610	CLUSTER	YES	26694.76		2.03	37.68	39.71	7110	Valve	26694.76	Valve	39301.16	36	0.312	52	0.16	0.05	4.27	0.60	6:02	335	1027	739	649	0.45	1.15							1250	Unknown		
10613	CLUSTER	YES	26702.05		9.32	30.39	39.71	7110	Valve	26702.05	Valve	39293.87	36	0.312	52	0.16	0.05	2.42	0.91	0.252083	335	1053	758	649	0.44	1.17							1250	Unknown		
10616	CLUSTER	YES	26702.82		10.09	29.61	39.71	7110	Valve	26702.82	Valve	39293.1	36	0.312	52	0.18	0.06	6.74	1.64	0.251389	335	992	714	649	0.47	1.12							1250	Unknown		
10621	CLUSTER	YES	26707.88		15.15	24.55	39.71	7110	Valve	26707.88	Valve	39288.04	36	0.312	52	0.18	0.06	10.30	0.88	0.252083	335	968	697	649	0.48	1.10							1250	Unknown		
10629	CLUSTER	YES	26709.65		16.92	22.78	39.71	7110	Valve	26709.65	Valve	39286.27	36	0.312	52	0.18	0.06	6.74	1.32	6:02	335	992	714	649	0.47	1.12							1250	Unknown		
10636	CLUSTER	YES	26711.93		19.2	20.5	39.71	7110	Valve	26711.93	Valve	39283.99	36	0.312	52	0.16	0.05	8.78	1.79	5:58	335	988	711	649	0.47	1.11							1250	Unknown		
10645	CLUSTER	YES	26712.92		20.19	19.51	39.71	7110	Valve	26712.92	Valve	39283	36	0.312	52	0.15	0.05	12.50	1.32	0.25	335	979	705	649	0.48	1.10							1250	Unknown		
10652	CLUSTER	YES	26717.97		25.24	14.47	39.71	7110	Valve	26717.97	Valve	39277.95	36	0.312	52	0.15	0.05	2.90	0.38	0.251389	335	1048	754	649	0.44	1.16							1250	Unknown		
10654	MELO-CORR	YES	26719.56		26.83	12.88	39.71	7110	Valve	26719.56	Valve	39276.36	36	0.312	52	0.17	0.05	1.14	0.28	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10655	MELO-CORR	YES	26719.86		27.13	12.58	39.71	7110	Valve	26719.86	Valve	39276.06	36	0.312	52	0.15	0.05	1.18	0.20	6:03	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10657	CLUSTER	YES	26720.73		28	11.71	39.71	7110	Valve	26720.73	Valve	39275.19	36	0.312	52	0.18	0.06	2.52	1.92	5:56	335	1048	755	649	0.44	1.17							1250	Unknown		
10660	MELO-CORR	YES	26722.48		29.75	9.96	39.71	7110	Valve	26722.48	Valve	39273.44	36	0.312	52	0.19	0.06	1.14	0.24	0.248611	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10661	MELO-CORR	YES	26723.98		31.25	8.46	39.71	7110	Valve	26723.98	Valve	39271.94	36	0.312	52	0.15	0.05	1.10	0.20	0.252083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10663	CLUSTER	YES	26724.52		31.79	7.91	39.71	7110	Valve	26724.52	Valve	39271.4	36	0.312	52	0.15	0.05	2.86	1.07	0.248611	335	1048	755	649	0.44	1.16							1250	Unknown		
10665	GirthWeld		26732.44		39.71	39.8	39.81	7120	Valve	26732.44	Valve	39263.48	36	0.312	52					10:56	335			649									1250	Unknown		
10666	MELO-CORR	YES	26735.36		2.92	36.88	39.81	7120	Valve	26735.36	Valve	39260.56	36	0.312	52	0.15	0.05	1.10

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
10724	GirthWeld		26929.5		38.01	39.84	39.85	7170	Valve	26929.5	Valve	39066.42	36	0.312	52					1:54	335			649									1250	Unknown		
10725	GirthWeld		26969.34		39.84	39.72	39.72	7180	Valve	26969.34	Valve	39026.58	36	0.312	52					10:52	335			649									1250	Unknown		
10726	GirthWeld		27009.06		39.72	39.53	39.54	7190	Valve	27009.06	Valve	38986.86	36	0.312	52					0.060417	335			649									1250	Unknown		
10727	MELO-CORR	YES	27022.45		13.39	26.15	39.54	7190	Valve	27022.45	Valve	38973.47	36	0.312	52	0.15	0.05	1.18	0.20	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10728	GirthWeld		27048.59		39.53	39.8	39.8	7200	Valve	27048.59	Valve	38947.33	36	0.312	52					0.476389	335			649									1250	Unknown		
10730	CLUSTER	YES	27049.75		1.16	38.65	39.8	7200	Valve	27049.75	Valve	38946.17	36	0.312	52	0.16	0.05	8.94	0.91	6:09	335	987	711	649	0.47	1.11							1250	Unknown		
10734	MELO-CORR	YES	27073.83		25.24	14.56	39.8	7200	Valve	27073.83	Valve	38922.09	36	0.312	52	0.21	0.07	1.10	0.20	6:02	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10735	MELO-CORR	YES	27077.28		28.69	11.11	39.8	7200	Valve	27077.28	Valve	38918.64	36	0.312	52	0.19	0.06	1.10	0.16	0.253472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10736	MELO-CORR	YES	27083.04		34.45	5.35	39.8	7200	Valve	27083.04	Valve	38912.88	36	0.312	52	0.16	0.05	1.22	0.24	0.252083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10738	CLUSTER	YES	27086.08		37.49	2.31	39.8	7200	Valve	27086.08	Valve	38909.83	36	0.312	52	0.16	0.05	7.97	1.04	0.251389	335	993	715	649	0.47	1.11							1250	Unknown		
10743	GirthWeld		27088.39		39.8	38.81	38.8	7210	Valve	27088.39	Valve	38907.53	36	0.312	52					1:32	335			649									1250	Unknown		
10744	MELO-CORR	YES	27088.91		0.52	38.29	38.8	7210	Valve	27088.91	Valve	38907.01	36	0.312	52	0.21	0.07	1.10	0.20	6:05	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10746	CLUSTER	YES	27106.15		17.76	21.05	38.8	7210	Valve	27106.15	Valve	38889.77	36	0.312	52	0.15	0.05	2.87	0.50	0.252083	335	1048	755	649	0.44	1.17							1250	Unknown		
10748	MELO-CORR	YES	27106.72		18.33	20.48	38.8	7210	Valve	27106.72	Valve	38889.2	36	0.312	52	0.15	0.05	1.14	0.20	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10750	CLUSTER	YES	27107.7		19.31	19.5	38.8	7210	Valve	27107.7	Valve	38888.22	36	0.312	52	0.21	0.07	3.83	0.79	0.250694	335	1018	733	649	0.46	1.14							1250	Unknown		
10754	CLUSTER	YES	27109.14		20.75	18.06	38.8	7210	Valve	27109.14	Valve	38886.78	36	0.312	52	0.17	0.05	2.54	0.41	6:03	335	1049	755	649	0.44	1.17							1250	Unknown		
10756	MELO-CORR	YES	27113.3		24.91	13.9	38.8	7210	Valve	27113.3	Valve	38882.62	36	0.312	52	0.15	0.05	1.18	0.16	6:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10757	GirthWeld		27127.2		38.81	39.77	39.78	7220	Valve	27127.2	Valve	38868.72	36	0.312	52					0.468056	335			649									1250	Unknown		
10758	GirthWeld		27166.97		39.77	38.75	38.75	7230	Valve	27166.97	Valve	38828.95	36	0.312	52					0.077778	335			649									1250	Unknown		
10760	CLUSTER	YES	27171.66		4.69	34.06	38.75	7230	Valve	27171.66	Valve	38824.26	36	0.312	52	0.17	0.05	5.41	2.67	0.247917	335	1010	727	649	0.46	1.13							1250	Unknown		
10764	CLUSTER	YES	27173.22		6.24	32.51	38.75	7230	Valve	27173.22	Valve	38822.71	36	0.312	52	0.15	0.05	2.12	0.41	6:10	335	1058	762	649	0.44	1.17							1250	Unknown		
10766	MELO-CORR	YES	27174.26		7.29	31.46	38.75	7230	Valve	27174.26	Valve	38821.66	36	0.312	52	0.18	0.06	1.14	0.24	5:56	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10767	MELO-CORR	YES	27177.04		10.07	28.68	38.75	7230	Valve	27177.04	Valve	38818.88	36	0.312	52	0.17	0.05	1.18	0.20	0.266667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10769	CLUSTER	YES	27181.95		14.98	23.77	38.75	7230	Valve	27181.95	Valve	38813.97	36	0.312	52	0.18	0.06	3.14	0.66	0.259028	335	1038	747	649	0.45	1.16							1250	Unknown		
10772	MELO-CORR	YES	27184.47		17.5	21.26	38.75	7230	Valve	27184.47	Valve	38811.45	36	0.312	52	0.15	0.05	1.14	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10773	MELO-CORR	YES	27185.4		18.43	20.32	38.75	7230	Valve	27185.4	Valve	38810.52	36	0.312	52	0.16	0.05	1.22	0.20	6:05	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10775	CLUSTER	YES	27186.7		19.72	19.03	38.75	7230	Valve	27186.7	Valve	38809.22	36	0.312	52	0.16	0.05	1.78	1.57	6:05	335	1062	764	649	0.44	1.18							1250	Unknown		
10778	CLUSTER	YES	27191.53		24.56	14.19	38.75	7230	Valve	27191.53	Valve	38804.39	36	0.312	52	0.18	0.06	8.66	0.41	0.251389	335	977	703	649	0.48	1.11							1250	Unknown		
10782	CLUSTER	YES	27192.38		25.41	13.34	38.75	7230	Valve	27192.38	Valve	38803.54	36	0.312	52	0.2	0.06	4.61	0.60	0.252778	335	1008	726	649	0.46	1.14							1250	Unknown		
10787	CLUSTER	YES	27193.81		26.84	11.91	38.75	7230	Valve	27193.81	Valve	38802.11	36	0.312	52	0.17	0.05	8.21	1.64	0.248611	335	986	710	649	0.47	1.11							1250	Unknown		
10793	CLUSTER	YES	27196.92		29.95	8.8	38.75	7230	Valve	27196.92	Valve	38798.99	36	0.312	52	0.15	0.05	5.40	1.64	5:59	335	1018	733	649	0.46	1.13							1250	Unknown		
10798	MELO-CORR	YES	27203.01		36.03	2.72	38.75	7230	Valve	27203.01	Valve	38792.91	36	0.312	52	0.16	0.05	1.10	0.20	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10799	MELO-CORR	YES	27204.2		37.23	1.52	38.75	7230	Valve	27204.2	Valve	38791.72	36	0.312	52	0.23	0.07	1.14	0.16	0.253472	335	1066	767	649	0.44	1.18							1598	Metal Loss		
10800	MELO-CORR	YES	27205.24		38.27	0.48	38.75	7230	Valve	27205.24	Valve	38790.68	36	0.312	52	0.17	0.05	1.18	0.16	0.259722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10801	GirthWeld		27205.72		38.75	39.75	39.75	7240	Valve	27205.72	Valve	38790.2	36	0.312	52					0.454861	335			649									1250	Unknown		
10803	CLUSTER	YES	27210.47		4.75	35	39.75	7240	Valve	27210.47	Valve	38785.45	36	0.312	52	0.18	0.06	2.63	0.76	6:02	335	1046	753	649	0.44	1.16							1250	Unknown		
10806	CLUSTER	YES	27211.97		6.25	33.5	39.75	7240	Valve	27211.97	Valve	38783.95	36	0.312	52	0.21	0.07	7.76	1.13	6:02	335	966	696	649	0.48	1.11							1250	Unknown		
10810	MELO-CORR	YES	27218.07		12.35	27.41	39.75	7240	Valve	27218.07	Valve	38777.85	36	0.312	52	0.17	0.05	1.10	0.32	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10812	CLUSTER	YES	27218.73		13.01	26.74	39.75	7240	Valve	27218.73	Valve	38777.19	36	0.312	52	0.16	0.05	3.08	0.72	0.251389	335	1043	751	649	0.45	1.16							1250	Unknown		
10814	MELO-CORR	YES	27219.56		13.84	25.91	39.75	7240	Valve	27219.56	Valve	38776.36	36	0.312	52	0.17	0.05	1.10	0.20	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10815	MELO-CORR	YES	27220.3		14.58	25.18	39.75	7240	Valve	27220.3	Valve	38775.62	36	0.312	52	0.22	0.07	1.10	0.20	6:23	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10817	CLUSTER	YES	27225.79		20.07	19.68	39.75	7240	Valve	27225.79	Valve	38770.13	36	0.312	52	0.18	0.06	4.50	0.54	6:04	335	1017	732	649	0.46	1.14							1250	Unknown		
10820	CLUSTER	YES	27226.82		21.1	18.65	39.75	7240	Valve	27226.82	Valve	38769.1	36	0.312	52	0.18	0.06	3.00	1.79	0.251389	335	1040	749	649	0.45	1.16							1250	Unknown		
10823	CLUSTER	YES	27230.18		24.46	15.3	39.75	7240	Valve	27230.18	Valve	38765.74	36	0.312	52	0.19	0.06	3.94	4.27	0.247222	335	1022	736	649	0.46	1.14							1250	Unknown		
10828	MELO-CORR	YES	27231.39		25.67	14.09	39.75	7240	Valve	27231.39	Valve	38764.53	36	0.312	52	0.18	0.06	1.10	0.20	0.259028	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10829	MELO-CORR	YES	27234.06		28.34	11.42	39.75	7240	Valve	27234.06	Valve	38761.86	36	0.312	52	0.17	0.05	1.10	0.20	6:20	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10830	MELO-CORR	YES	27236.4		30.68	9.08	39.75	7240	Valve	27236.4	Valve	38759.52	36	0.312	52	0.15	0.05	1.14	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10831	GirthWeld		27245.47		39.75	39.83	39.82	7250	Valve	27245.47	Valve	38750.45	36	0.312	52					0.066667	335			649									1250	Unknown		
10832	MELO-CORR	YES	27246.55		1.08	38.75	39.82	7250	Valve	27246.55	Valve	38749.37	36	0.312	52	0.2	0.06	1.14	0.16	0.245833	335	1067	768	649	0.44	1.18							1598	Metal Loss		
10834	CLUSTER	YES	27250.78		5.31	34.52	39.82	7250	Valve	27250.78	Valve	38745.14	36	0.312	52	0.16	0.05	2.80	0.28	0.259028	335	1047	754	649	0.44	1.16							1250	Unknown		
10836	MELO-CORR	YES	27254.58		9.11	30.72	39.82	7250	Valve	27254.58	Valve	38741.34	36	0.312	52	0.18	0.06	1.10	0.16	6:18	335	1069	769	649	0.44	1.19							1598	Metal Loss		
10837	GirthWeld		27285.3		39.83	39.8	39.81	7260	Valve	27285.3	Valve	38710.62	36	0.312	52					11:06	335			649									1250	Unknown		
10838	MELO-CORR	YES	27292.56		7.26	32.54	39.81	7260	Valve	27292.56	Valve	38703.36	36	0.312	52	0.16	0.05	1.22	0.20	0.257639	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10840	CLUSTER	YES	27324.37		39.07	0.73	39.81	7260	Valve	27324.37	Valve	38671.55	36	0.312	52	0.16	0.05	5.66	1.26	0.254167	335	1011	728	649	0.46	1.13							1250	Unknown		
10844	GirthWeld		27325.1		39.8	39.66	39.65	7270	Valve	27325.1	Valve	38670.82	36	0.312	52					0.063889	335			649									1250	Unknown		
10845	GirthWeld		27364.76		39.66	39.8	39.8	7280	Valve	27364.76	Valve	38631.16	36	0.312	52					11:32	335			649									1250	Unknown		
10846	GirthWeld		27404.56		39.8	39.73	39.73	7290	Valve	27404.56	Valve	38591.36	36	0.312	52					1:42	335			649									1250	Unknown		
10847	GirthWeld		27444.29		39.73	39.88	39.87	7300	Valve	27444.29	Valve	38551.63	36	0.312	52					0.447222	335			649									1250	Unknown		
10848	GirthWeld		27484.17		39.88	39.83	39.83	7310	Valve	27484.17	Valve	38511.75	36	0.312	52					0.075694	335			649									1250	Unknown		
10849	GirthWeld		27523.99		39.82	39.82	39.82	7320	Valve	27523.99	Valve	38471.93	36	0.312	52					0.465972	335			649									1250	Unknown		
10850	GirthWeld		27563.81		39.82	39.79	39.79	7330	Valve	27563.81	Valve	38432.11	36	0.312	52					1:34	335			649									1250	Unknown		
10851	GirthWeld		27603.6		39.79	39.81	39.81	7340	Valve	27603.6	Valve	38392.32	36	0.312	52					10:54	335			649									1250	Unknown		
10852	GirthWeld		27643.41		39.81	39.82	39.82	7350	Valve	27643.41	Valve	38352.51	36	0.312	52					0.066667	335			649									1250	Unknown		
10853	GirthWeld		27683.23		39.82	39.86	39.87	7360	Valve	27683.23	Valve	38312.69	36	0.312	52					0.476389	335			649									1250	Unknown		
10854	MELO-CORR	YES	27693.99		10.76	29.1	39.87	7360	Valve	27693.99	Valve	38301.93	36	0.312	52	0.15	0.05	1.18	0.20	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10855	MELO-CORR	YES	27699.35		16.12	23.74	39.87	7360	Valve	27699.35	Valve	38296.57	36	0.312	52	0.17	0.05	0.98	0.43	5:55	335	1070	770	649	0.43	1.19							1598	Metal Loss		
10857	CLUSTER	YES	27700.03		16.8	23.06	39.87	7360	Valve	27700.03	Valve	38295.89	36	0.312	52	0.15	0.05	2.84	0.76	5:56	335	1049	755	649	0.44	1.17							1250	Unknown		
10859	MELO-CORR	YES	27712.09		28.86	11.01	39.87	7360	Valve	27712.09	Valve	38283.83	36	0.312	52	0.18	0.06	1.18	0.20	0.254167	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10860	MELO-CORR	YES	27716.61		33.38	6.48	39.87	7360	Valve	27716.61	Valve	38279.31	36	0.312	52	0.17	0.05	1.22	0.20	0.253472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
10861	GirthWeld		27723.09		39.86	39.24	39.24	7370	Valve	27723.09	Valve	38272.83	36	0.312	52					0.065278	335			649									1250	Unknown		
10862	MELO-CORR	YES	27738.65		15.56	23.68	39.24	7370	Valve	27738.65	Valve	38257.27	36	0.312	52	0.23	0.07	1.18	0.24	6:05	335	1065	767	649	0.44	1.18							1598	Metal Loss		
10864	CLUSTER	YES	27749.37		26.28	12.96	39.24	7370	Valve	27749.37	Valve	38246.55	36	0.312	52	0.16	0.05	3.18	0.85	6:24	335	1042	750	649	0.45	1.16							1250	Unknown		
10866	GirthWeld		27762.33		39.24	38.71	38.71	7380	Valve	27762.33	Valve	38233.59	36	0.312	52					0.461111	335			649									1250	Unknown		
10868	CLUSTER	YES	27767.92		5.59	33.12	38.71	7380	Valve	27767.92	Valve	38228	36	0.312	52	0.26	0.08	7.88	1.82	0.238889	335	936	674	649	0.50	1.09							1250	Unknown		
10874	CLUSTER	YES	27771.02		8.69	30.02	38.71	7380	Valve	27771.02	Valve	38224.9	36	0.312	52	0.2	0.06	6.97	1.54	0.238194	335	979	705	649	0.48	1.10							1250	Unknown		
10881	MELO-CORR	YES	27790.51		28.17	10.54	38.71	7380	Valve	27790.51	Valve	38205.41	36	0.312	52	0.16	0.05	1.18	0.20	6:03	335	1068	769	649	0.44	1.19							1598	Metal Loss		
10883	CLUSTER	YES	27795.52		33.19	5.53	38.71	7380	Valve	27795.52	Valve	38200.4	36	0.312	52	0.15	0.05	8.96	2.86	5:44	335	993	715	649	0.47	1.11							1250	Unknown		
10887	GirthWeld		27801.04		38.71	39.83	39.83	7390	Valve	27801.04	Valve	38194.88	36	0.312	52					0.068056	335			649									1250	Unknown		
10888	MELO-CORR	YES	27807.12		6.08	33.76	39.83	7390	Valve	27807.12	Valve	38188.8	36	0.312	52	0.15	0.05	1.18	0.20	0.227778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
10889	MELO-CORR	YES	27816.05		15.01	24.83	39.83	7390	Valve	27816.05	Valve	38179.87	36	0.312	52	0.17	0.05	0.91	0.67	0.254861	335	1071	771	649	0.43	1.19							1598	Metal Loss		
10891	CLUSTER	YES	27818.63		17.59	22.24	39.83	7390	Valve	27818.63	Valve	38177.29	36	0.312	52	0.15	0.05	27.96	4.75	5:47	335	960	691	649	0.48	1.08							1250	Unknown		
10914	CLUSTER	YES	27827.43		26.39	13.44	39.83	7390	Valve	27827.43	Valve	38168.49	36	0.312	52	0.18	0.06	14.77	3.58	6:00	335	953	686	649	0.49	1.09							1250	Unknown		
10924	CLUSTER	YES	27829.64		28.6	11.23	39.83	7390	Valve	27829.64	Valve	38166.28	36	0.312	52	0.21	0.07	55.36	6.82	0.238194	335	896	645	649	0.52	1.06							1250	Unknown		
10976	CLUSTER	YES	27834.29		33.25	6.58	39.83	7390	Valve	27834.29	Valve	38161.63	36	0.312	52	0.17	0.05	21.52	5.69	0.243056	335	949	683	649	0.49	1.07							1250	Unknown		
10996	AS_Sleeve		27837.71		36.67	3.16	39.83	7390	Valve	27837.71	Valve	38158.21	36	0.312	52						335			649									1789	Sleeve		
10997	GirthWeld		27840.87		39.83	39.78	39.78	7400	Valve	27840.87	Valve	38155.05	36	0.312	52					10:49	335			649									1250	Unknown		
10998	AE_Sleeve		27843.76		2.89	36.89	39.78	7400	Valve	27843.76	Valve	38152.16	36	0.312	52						335			649									1789	Sleeve		
11000	CLUSTER	YES	27843.97		3.1	36.68	39.78	7400	Valve	27843.97	Valve	38151.95	36	0.312	52	0.24	0.08	45.04	7.86	0.235417	335	875	630	649	0.53	1.04							1250	Unknown		
11056	CLUSTER	YES	27847.81		6.94	32.84	39.78	7400	Valve	27847.81	Valve	38148.11	36	0.312	52	0.22	0.07	40.60	7.13	0.2375	335	895	644	649	0.52	1.05							1250	Unknown		
11084	CLUSTER	YES	27849.55		8.68	31.1	39.78	7400	Valve	27849.55	Valve	38146.37	36	0.312	52	0.21	0.07	7.08	1.54	0.240278	335	973	700	649	0.48	1.11							1250	Unknown		
11093	CLUSTER	YES	27850.19		9.32	30.47	39.78	7400	Valve	27850.19	Valve	38145.74	36	0.312	52	0.26	0.08	9.35	3.52	5:45	335	923	665	649	0.50	1.09							1250	Unknown		
11105	CLUSTER	YES	27851.18		10.31	29.48	39.78	7400	Valve	27851.18	Valve	38144.74	36	0.312	52	0.22	0.07	9.19	3.43	5:56	335	949	684	649	0.49	1.08							1250	Unknown		
11110	CLUSTER	YES	27851.75		10.88	28.9	39.78	7400	Valve	27851.75	Valve	38144.17	36	0.312	52	0.2	0.06	17.77	3.49	0.240278	335	932	671	649	0.50	1.07							1250	Unknown		
11124	CLUSTER	YES	27852.97		12.1	27.68	39.78	7400	Valve	27852.97	Valve	38142.95	36	0.312	52	0.25	0.08	23.81	8.69	0.236111	335	885	637	649	0.53	1.06							1250	Unknown		
11145	CLUSTER	YES	27854.29		13.42	26.36	39.78	7400	Valve	27854.29	Valve	38141.63	36	0.312	52	0.19	0.06	2.63	1.26	0.257639	335	1044	752	649	0.45	1.17							1250	Unknown		
11159	CLUSTER	YES	27855.02		14.15	25.63	39.78	7400	Valve	27855.02	Valve	38140.9	36	0.312	52	0.21	0.07	6.85	2.39	5:45	335	975	702	649	0.48	1.11							1250	Unknown		
11164	CLUSTER	YES	27855.12		14.25	25.54	39.78	7400	Valve	27855.12	Valve	38140.8	36	0.312	52	0.3	0.09	24.02	5.18	5:53	335	844	608	649	0.55	1.06							1250	Unknown		
11191	CLUSTER	YES	27857.13		16.26	23.52	39.78	7400	Valve	27857.13	Valve	38138.79	36	0.312	52	0.15	0.05	9.58	3.77	0.245139	335	990	713	649	0.47	1.11							1250	Unknown		
11201	CLUSTER	YES	27857.98		17.11	22.68	39.78	7400	Valve	27857.98	Valve	38137.94	36	0.312	52	0.16	0.05	24.98	6.00	0.238889	335	954	687	649	0.49	1.08							1250	Unknown		
11233	CLUSTER	YES	27860.18		19.31	20.47	39.78	7400	Valve	27860.18	Valve	38135.74	36	0.312	52	0.17	0.05	27.16	6.98	0.234722	335	945	680	649	0.49	1.07							1250	Unknown		
11266	CLUSTER	YES	27862.45		21.58	18.2	39.78	7400	Valve	27862.45	Valve	38133.47	36	0.312	52	0.17	0.05	74.21	8.39	5:35	335	926	667	649	0.50	1.06			

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
11418	CLUSTER	YES	28142.32		23.9	15.87	39.76	7470	Valve	28142.32	Valve	37853.6	36	0.312	52	0.19	0.06	2.15	1.70	6:15	335	1052	758	649	0.44	1.17							1250	Unknown		
11421	CLUSTER	YES	28143.12		24.7	15.07	39.76	7470	Valve	28143.12	Valve	37852.8	36	0.312	52	0.24	0.08	8.68	2.26	6:03	335	941	678	649	0.49	1.09							1250	Unknown		
11428	CLUSTER	YES	28144.19		25.77	14	39.76	7470	Valve	28144.19	Valve	37851.73	36	0.312	52	0.15	0.05	2.53	0.44	0.259722	335	1053	758	649	0.44	1.17							1250	Unknown		
11431	CLUSTER	YES	28146.7		28.28	11.49	39.76	7470	Valve	28146.7	Valve	37849.22	36	0.312	52	0.18	0.06	1.91	1.42	0.25625	335	1058	762	649	0.44	1.18							1250	Unknown		
11433	MELO-CORR	YES	28150.01		31.59	8.17	39.76	7470	Valve	28150.01	Valve	37845.91	36	0.312	52	0.15	0.05	1.18	0.24	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11434	GirthWeld		28158.18		39.76	37.17	37.17	7480	Valve	28158.18	Valve	37837.74	36	0.312	52					11:17	335			649									1250	Unknown		
11435	GirthWeld		28195.35		37.17	39.83	39.83	7490	Valve	28195.35	Valve	37800.57	36	0.312	52					1:19	335			649									1250	Unknown		
11436	MELO-CORR	YES	28209.81		14.46	25.37	39.83	7490	Valve	28209.81	Valve	37786.11	36	0.312	52	0.15	0.05	1.02	0.20	0.257639	335	1070	771	649	0.43	1.19							1598	Metal Loss		
11437	GirthWeld		28235.18		39.83	39.73	39.73	7500	Valve	28235.18	Valve	37760.74	36	0.312	52					0.442361	335			649									1250	Unknown		
11438	GirthWeld		28274.91		39.73	39.2	39.2	7510	Valve	28274.91	Valve	37721.01	36	0.312	52					0.053472	335			649									1250	Unknown		
11439	GirthWeld		28314.11		39.2	39.75	39.74	7520	Valve	28314.11	Valve	37681.81	36	0.312	52					11:11	335			649									1250	Unknown		
11440	GirthWeld		28353.86		39.75	39.85	39.85	7530	Valve	28353.86	Valve	37642.06	36	0.312	52					1:10	335			649									1250	Unknown		
11441	GirthWeld		28393.71		39.85	39.88	39.89	7540	Valve	28393.71	Valve	37602.21	36	0.312	52					0.470139	335			649									1250	Unknown		
11442	GirthWeld		28433.59		39.88	39.77	39.76	7550	Valve	28433.59	Valve	37562.33	36	0.312	52					0.041667	335			649									1250	Unknown		
11443	GirthWeld		28473.36		39.76	39.85	39.85	7560	Valve	28473.36	Valve	37522.57	36	0.312	52					0.466667	335			649									1250	Unknown		
11444	GirthWeld		28513.21		39.85	39.82	39.82	7570	Valve	28513.21	Valve	37482.71	36	0.312	52					1:26	335			649									1250	Unknown		
11445	MELO-CORR	YES	28514.44		1.23	38.59	39.82	7570	Valve	28514.44	Valve	37481.48	36	0.312	52	0.16	0.05	1.22	0.20	6:02	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11446	GirthWeld		28553.03		39.82	39.83	39.83	7580	Valve	28553.03	Valve	37442.89	36	0.312	52					0.468056	335			649									1250	Unknown		
11447	GirthWeld		28592.86		39.83	39.8	39.8	7590	Valve	28592.86	Valve	37403.06	36	0.312	52					0.048611	335			649									1250	Unknown		
11448	MELO-CORR	YES	28618.31		25.45	14.34	39.8	7590	Valve	28618.31	Valve	37377.61	36	0.312	52	0.15	0.05	1.34	0.63	0.252083	335	1068	769	649	0.44	1.18							1598	Metal Loss		
11449	MELO-CORR	YES	28618.87		26.01	13.78	39.8	7590	Valve	28618.87	Valve	37377.05	36	0.312	52	0.16	0.05	1.18	0.39	6:04	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11450	GirthWeld		28632.66		39.8	39.77	39.77	7600	Valve	28632.66	Valve	37363.26	36	0.312	52					11:04	335			649									1250	Unknown		
11451	GirthWeld		28672.43		39.77	39.8	39.8	7610	Valve	28672.43	Valve	37323.49	36	0.312	52					0.058333	335			649									1250	Unknown		
11452	GirthWeld		28712.23		39.8	39.77	39.77	7620	Valve	28712.23	Valve	37283.69	36	0.312	52					0.438889	335			649									1250	Unknown		
11453	GirthWeld		28752		39.77	39.85	39.85	7630	Valve	28752	Valve	37243.92	36	0.312	52					0.063889	335			649									1250	Unknown		
11454	GirthWeld		28791.85		39.85	38.9	38.9	7640	Valve	28791.85	Valve	37204.07	36	0.312	52					10:58	335			649									1250	Unknown		
11455	GirthWeld		28830.74		38.89	39.83	39.83	7650	Valve	28830.74	Valve	37165.18	36	0.312	52					1:40	335			649									1250	Unknown		
11456	MIFE	n/a	28855.71		24.97	14.85	39.83	7650	Valve	28855.71	Valve	37140.21	36	0.312	52					0.413889	335			649									2167	Mill Anomaly		
11457	MIFE	n/a	28856.01		25.27	14.55	39.83	7650	Valve	28856.01	Valve	37139.91	36	0.312	52					0.420139	335			649									2167	Mill Anomaly		
11458	MIFE	n/a	28857.12		26.38	13.45	39.83	7650	Valve	28857.12	Valve	37138.8	36	0.312	52					0.415278	335			649									2167	Mill Anomaly		
11459	MIFE	n/a	28857.54		26.79	13.03	39.83	7650	Valve	28857.54	Valve	37138.38	36	0.312	52					10:07	335			649									2167	Mill Anomaly		
11460	GirthWeld		28870.57		39.83	39.79	39.79	7660	Valve	28870.57	Valve	37125.35	36	0.312	52					11:04	335			649									1250	Unknown		
11461	GirthWeld		28910.36		39.79	39.73	39.74	7670	Valve	28910.36	Valve	37085.56	36	0.312	52					0.056944	335			649									1250	Unknown		
11462	GirthWeld		28950.09		39.73	39.75	39.75	7680	Valve	28950.09	Valve	37045.83	36	0.312	52					0.470139	335			649									1250	Unknown		
11463	MELO-CORR	YES	28983.27		33.18	6.58	39.75	7680	Valve	28983.27	Valve	37012.65	36	0.312	52	0.2	0.06	1.10	0.20	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11464	GirthWeld		28989.84		39.75	39.72	39.72	7690	Valve	28989.84	Valve	37006.08	36	0.312	52					1:16	335			649									1250	Unknown		
11465	MELO-CORR	YES	29014.71		24.87	14.86	39.72	7690	Valve	29014.71	Valve	36981.21	36	0.312	52	0.15	0.05	1.10	0.20	6:09	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11466	MELO-CORR	YES	29020.29		30.45	9.28	39.72	7690	Valve	29020.29	Valve	36975.63	36	0.312	52	0.16	0.05	1.22	0.20	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11467	MELO-CORR	YES	29028.59		38.75	0.97	39.72	7690	Valve	29028.59	Valve	36967.33	36	0.312	52	0.16	0.05	1.10	0.43	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11468	GirthWeld		29029.56		39.72	39.55	39.55	7700	Valve	29029.56	Valve	36966.35	36	0.312	52					0.464583	335			649									1250	Unknown		
11469	MELO-CORR	YES	29030.91		1.35	38.2	39.55	7700	Valve	29030.91	Valve	36965.01	36	0.312	52	0.16	0.05	1.22	0.20	6:03	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11470	MELO-CORR	YES	29037.16		7.6	31.96	39.55	7700	Valve	29037.16	Valve	36958.76	36	0.312	52	0.15	0.05	1.14	0.24	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11471	MELO-CORR	YES	29050.88		21.32	18.24	39.55	7700	Valve	29050.88	Valve	36945.04	36	0.312	52	0.15	0.05	1.22	0.20	0.269444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11473	CLUSTER	YES	29055.6		26.04	13.51	39.55	7700	Valve	29055.6	Valve	36940.32	36	0.312	52	0.16	0.05	1.56	0.66	0.240972	335	1064	766	649	0.44	1.18							1250	Unknown		
11475	MELO-CORR	YES	29058.71		29.15	10.4	39.55	7700	Valve	29058.71	Valve	36937.21	36	0.312	52	0.16	0.05	1.10	0.24	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11477	CLUSTER	YES	29059.12		29.56	10	39.55	7700	Valve	29059.12	Valve	36936.8	36	0.312	52	0.17	0.05	2.28	2.17	6:05	335	1053	758	649	0.44	1.17							1250	Unknown		
11479	MELO-CORR	YES	29061.17		31.61	7.94	39.55	7700	Valve	29061.17	Valve	36934.75	36	0.312	52	0.15	0.05	1.10	0.20	6:12	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11480	MELO-CORR	YES	29066.21		36.65	2.9	39.55	7700	Valve	29066.21	Valve	36929.71	36	0.312	52	0.16	0.05	1.18	0.20	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11481	MELO-CORR	YES	29066.78		37.22	2.33	39.55	7700	Valve	29066.78	Valve	36929.14	36	0.312	52	0.18	0.06	1.18	0.16	0.267361	335	1068	769	649	0.44	1.18							1598	Metal Loss		
11483	CLUSTER	YES	29068.22		38.66	0.9	39.55	7700	Valve	29068.22	Valve	36927.7	36	0.312	52	0.16	0.05	5.51	2.26	0.252778	335	1013	729	649	0.46	1.13							1250	Unknown		
11486	GirthWeld		29069.11		39.55	39.78	39.78	7710	Valve	29069.11	Valve	36926.81	36	0.312	52					1:14	335			649									1250	Unknown		
11488	CLUSTER	YES	29074.56		5.45	34.33	39.78	7710	Valve	29074.56	Valve	36921.36	36	0.312	52	0.15	0.05	2.71	0.47	6:04	335	1050	756	649	0.44	1.16							1250	Unknown		
11490	MELO-CORR	YES	29078.67		9.56	30.22	39.78	7710	Valve	29078.67	Valve	36917.25	36	0.312	52	0.16	0.05	1.50	0.43	0.272917	335	1065	767	649	0.44	1.18							1598	Metal Loss		
11492	CLUSTER	YES	29081.43		12.32	27.46	39.78	7710	Valve	29081.43	Valve	36914.49	36	0.312	52	0.18	0.06	4.32	0.88	0.250694	335	1020	734	649	0.46	1.14							1250	Unknown		
11495	GirthWeld		29108.89		39.78	39.69	39.69	7720	Valve	29108.89	Valve	36887.03	36	0.312	52					0.463194	335			649									1250	Unknown		
11497	CLUSTER	YES	29115.18		6.29	33.4	39.69	7720	Valve	29115.18	Valve	36880.74	36	0.312	52	0.15	0.05	3.47	0.44	6:11	335	1040	749	649	0.45	1.16							1250	Unknown		
11499	MELO-CORR	YES	29126.05		17.16	22.54	39.69	7720	Valve	29126.05	Valve	36869.87	36	0.312	52	0.16	0.05	1.14	0.20	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11500	MELO-CORR	YES	29136.91		28.02	11.67	39.69	7720	Valve	29136.91	Valve	36859.01	36	0.312	52	0.16	0.05	1.14	0.20	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11501	MELO-CORR	YES	29144.65		35.76	3.93	39.69	7720	Valve	29144.65	Valve	36851.27	36	0.312	52	0.18	0.06	1.14	0.20	0.266667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11502	MELO-CORR	YES	29145.8		36.91	2.78	39.69	7720	Valve	29145.8	Valve	36850.12	36	0.312	52	0.17	0.05	1.14	0.20	0.260417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11503	GirthWeld		29148.58		39.69	39.15	39.15	7730	Valve	29148.58	Valve	36847.34	36	0.312	52					1:17	335			649									1250	Unknown		
11505	CLUSTER	YES	29148.74		0.15	39	39.15	7730	Valve	29148.74	Valve	36847.18	36	0.312	52	0.2	0.06	7.28	0.85	5:59	335	976	703	649	0.48	1.11							1250	Unknown		
11508	MELO-CORR	YES	29158.36		9.78	29.37	39.15	7730	Valve	29158.36	Valve	36837.56	36	0.312	52	0.17	0.05	1.10	0.51	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11509	MELO-CORR	YES	29161.13		12.55	26.6	39.15	7730	Valve	29161.13	Valve	36834.79	36	0.312	52	0.15	0.05	1.22	0.47	0.258333	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11510	MELO-CORR	YES	29162.77		14.19	24.97	39.15	7730	Valve	29162.77	Valve	36833.15	36	0.312	52	0.16	0.05	1.10	0.20	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11512	CLUSTER	YES	29167.5		18.92	20.24	39.15	7730	Valve	29167.5	Valve	36828.42	36	0.312	52	0.22	0.07	1.74	0.54	6:13	335	1057	761	649	0.44	1.17							1250	Unknown		
11515	CLUSTER	YES	29178.07		29.49	9.67	39.15	7730	Valve	29178.07	Valve	36817.85	36	0.312	52	0.18	0.06	1.62	1.07	5:45	335	1062	765	649	0.44	1.18							1250	Unknown		
11517	MELO-CORR	YES	29186.61		38.03	1.13	39.15	7730	Valve	29186.61	Valve	36809.31	36	0.312	52	0.15	0.05	1.14	0.39	0.260417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11518	GirthWeld		29187.73		39.15	39.98	39.98	7740	Valve	29187.73	Valve	36808.19	36	0.312	52					0.441667	335			649									1250	Unknown		
11520	CLUSTER	YES	29188.09		0.36	39.62	39.98	7740	Valve	29188.09	Valve	36807.83	36	0.312	52	0.2	0.06	16.09	3.33	0.246528	335	935	673	649	0.50	1.09							1250	Unknown		
11527	GirthWeld		29227.71		39.98	39.87	39.87	7750	Valve	29227.71	Valve	36768.21	36	0.312	52					1:24	335			649									1250	Unknown		
11528	GirthWeld		29267.58		39.87	39.85	39.85	7760	Valve	29267.58	Valve	36728.34	36	0.312	52					10:50	335			649									1250	Unknown		
11529	GirthWeld		29307.43		39.85	39.17	39.17	7770	Valve	29307.43	Valve	36688.49	36	0.312	52					0.073611	335			649									1250	Unknown		
11530	GirthWeld		29346.6		39.17	39.76	39.76	7780	Valve	29346.6	Valve	36649.32	36	0.312	52					0.447222	335			649									1250	Unknown		
11531	GirthWeld		29386.36		39.76	39.82	39.82	7790	Valve	29386.36	Valve	36609.56	36	0.312	52					0.063889	335			649									1250	Unknown		
11532	GirthWeld		29426.18		39.82	39.71	39.72	7800	Valve	29426.18	Valve	36569.74	36	0.312	52					11:22	335			649									1250	Unknown		
11533	MELO-CORR	YES	29463.51		37.33	2.39	39.72	7800	Valve	29463.51	Valve	36532.41	36	0.312	52	0.19	0.06	1.14	0.16	6:15	335	1068	769	649	0.44	1.18							1598	Metal Loss		
11534	GirthWeld		29465.89		39.71	39.75	39.74	7810	Valve	29465.89	Valve	36530.03	36	0.312	52					0.077778	335			649									1250	Unknown		
11535	GirthWeld		29505.64		39.75	39.76	39.76	7820	Valve	29505.64	Valve	36490.28	36	0.312	52					0.447222	335			649									1250	Unknown		
11536	GirthWeld		29545.4		39.76	39.65	39.66	7830	Valve	29545.4	Valve	36450.52	36	0.312	52					0.075	335			649									1250	Unknown		
11537	GirthWeld		29585.05		39.65	38.59	38.59	7840	Valve	29585.05	Valve	36410.87	36	0.312	52					11:04	335			649									1250	Unknown		
11538	GirthWeld		29623.64		38.59	39.85	39.84	7850	Valve	29623.64	Valve	36372.28	36	0.312	52					1:28	335			649									1250	Unknown		
11539	GirthWeld		29663.49		39.85	39.78	39.78	7860	Valve	29663.49	Valve	36332.43	36	0.312	52					0.463889	335			649									1250	Unknown		
11540	MELO-CORR	YES	29677.44		13.95	25.83	39.78	7860	Valve	29677.44	Valve	36318.48	36	0.312	52	0.18	0.06	1.14	0.24	0.263889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11541	MELO-CORR	YES	29695.49		32	7.78	39.78	7860	Valve	29695.49	Valve	36300.43	36	0.312	52	0.15	0.05	1.18	0.20	0.247917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11542	GirthWeld		29703.27		39.78	36.27	36.27	7870	Valve	29703.27	Valve	36292.65	36	0.312	52					1:26	335			649									1250	Unknown		
11544	CLUSTER	YES	29703.67		0.4	35.87	36.27	7870	Valve	29703.67	Valve	36292.25	36	0.312	52	0.15	0.05	4.18	1.95	5:46	335	1032	743	649	0.45	1.15							1250	Unknown		
11547	MELO-CORR	YES	29714.31		11.03	25.23	36.27	7870	Valve	29714.31	Valve	36281.61	36	0.312	52	0.24	0.08	1.22	0.20	0.243056	335	1064	766	649	0.44	1.18							1598	Metal Loss		
11548	GirthWeld		29739.54		36.27	39.81	39.81	7880	Valve	29739.54	Valve	36256.38	36	0.312	52					0.449306	335			649									1250	Unknown		
11549	GirthWeld		29779.35		39.81	38.02	38.02	7890	Valve	29779.35	Valve	36216.57	36	0.312	52					0.053472	335			649									1250	Unknown		
11550	GirthWeld		29817.37		38.02	39.28	39.28	7900	Valve	29817.37	Valve	36178.55	36	0.312	52					10:36	335			649									1250	Unknown		
11551	MELO-CORR	YES	29833.64		16.27	23.01	39.28	7900	Valve	29833.64	Valve	36162.28	36	0.312	52	0.15	0.05	1.22	0.24	6:17	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11552	GirthWeld		29856.65		39.28	39.72	39.72	7910	Valve	29856.65	Valve	36139.27	36	0.312	52					0.061111	335			649									1250	Unknown		
11553	GirthWeld		29896.37		39.72	39.89	39.89	7920	Valve	29896.37	Valve	36099.55	36	0.312	52					0.4625	335			649									1250	Unknown		
11554	GirthWeld		29936.26		39.89	36.42	36.42	7930	Valve	29936.26	Valve	36059.66	36	0.312	52					0.061111	335			649									1250	Unknown		
11555	GirthWeld		29972.68		36.42	39.85	39.85	7940	Valve	29972.68	Valve	36023.24	36	0.312	52					11:13	335			649									1250	Unknown		
11556	GirthWeld		30012.53		39.85	38.71	38.71	7950	Valve	30012.53	Valve	35983.39	36	0.312	52					1:42	335			649									1250	Unknown		
11558	CLUSTER	YES	30014.41		1.88	36.83	38.71	7950	Valve	30014.41	Valve	35981.51	36	0.312	52	0.16	0.05	2.74	0.44	0.269444	335	1049	755	649	0.44	1.17							1250	Unknown		
11560	MELO-CORR	YES	30042.46		29.93	8.78	38.71	7950	Valve	30042.46	Valve	35953.46	36	0.312	52	0.15	0.05	1.10	0.20	0.267361	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11561	GirthWeld		30051.24		38.71	39	39	7960	Valve	30051.24	Valve	35944.68	36	0.312	52					0.46875	335			649									1250	Unknown		
11563	CLUSTER	YES	30070.85		19.61	19.39	39	7960	Valve	30070.85	Valve	35925.07	36	0.312	52	0.17	0.05	2.21	0.38	6:22	335	1055	759	649	0.44	1.17							1250	Unknown		
11565	GirthWeld		30090.24		39	39.76	39.76	7970	Valve	30090.24	Valve	35905.68	36	0.312	52					1:23	335			649									1250	Unknown		
11566	GirthWeld		30130		39.76	39.32	39.31	7980	Valve	30130	Valve	35865.92	36	0.312	52					0.4625	335			649									1250	Unknown		
11567	MIFE	n/a	30161.82		31.82	7.49	39.31	7980	Valve	30161.82	Valve	35834.1	36	0.312	52					0.464583	335			649								near seam weld	2167	Mill Anomaly		
11568	GirthWeld		30169.32		39.32	39.78	39.79	7990	Valve	30169.32	Valve	35826.6	36	0.312	52					0.086111	335			649									1250	Unknown		
11569	GirthWeld		30209.1		39.78	39.8	39.8	8000	Valve	30209.1	Valve	35786.82	36	0.312	52					11:20	335			649									1250	Unknown		
11570	GirthWeld		30248.9		39.8	39.69	39.69	8010	Valve	30248.9	Valve	35747.02	36	0.312	52					1:56	335			649									1250	Unknown		
11571	GirthWeld		30288.59		39.69	39.78	39.78	8020	Valve	30288.59	Valve	35707.33	36	0.312	52					0.455556	335			649									1250	Unknown		
11572	GirthWeld		30328.37		39.78	39.47	39.47	8030	Valve	30328.37	Valve	35667.55	36	0.312	52					0.057639	335			649									1250	Unknown		
11573	GirthWeld		30367.84

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
11584	GirthWeld		30718.69		39.79	39.24	39.24	8130	Valve	30718.69	Valve	35277.23	36	0.312	52					1:12	335			649									1250	Unknown		
11585	MELO-CORR	YES	30725.39		6.7	32.54	39.24	8130	Valve	30725.39	Valve	35270.53	36	0.312	52	0.17	0.05	1.18	0.20	6:21	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11586	GirthWeld		30757.93		39.24	39.82	39.82	8140	Valve	30757.93	Valve	35237.99	36	0.312	52					0.451389	335			649									1250	Unknown		
11587	GirthWeld		30797.75		39.82	39.83	39.82	8150	Valve	30797.75	Valve	35198.17	36	0.312	52					0.538889	335			649									1250	Unknown		
11588	MELO-CORR	YES	30815.06		17.31	22.52	39.82	8150	Valve	30815.06	Valve	35180.86	36	0.312	52	0.2	0.06	1.02	0.24	0.23125	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11589	MELO-CORR	YES	30822.93		25.18	14.65	39.82	8150	Valve	30822.93	Valve	35172.99	36	0.312	52	0.16	0.05	1.14	0.20	5:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11590	MELO-CORR	YES	30834.01		36.26	3.56	39.82	8150	Valve	30834.01	Valve	35161.91	36	0.312	52	0.22	0.07	1.10	0.20	6:03	335	1067	768	649	0.44	1.18							1598	Metal Loss		
11591	GirthWeld		30837.58		39.83	39.86	39.86	8160	Valve	30837.58	Valve	35158.34	36	0.312	52					0.459722	335			649									1250	Unknown		
11592	MELO-CORR	YES	30842.9		5.32	34.54	39.86	8160	Valve	30842.9	Valve	35153.02	36	0.312	52	0.24	0.08	1.14	0.20	0.268056	335	1065	767	649	0.44	1.18							1598	Metal Loss		
11593	MELO-CORR	YES	30848.23		10.65	29.2	39.86	8160	Valve	30848.23	Valve	35147.69	36	0.312	52	0.15	0.05	1.14	0.20	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11594	GirthWeld		30877.44		39.86	39.74	39.74	8170	Valve	30877.44	Valve	35118.48	36	0.312	52					1:23	335			649									1250	Unknown		
11595	GirthWeld		30917.18		39.74	39.81	39.81	8180	Valve	30917.18	Valve	35078.74	36	0.312	52					10:56	335			649									1250	Unknown		
11596	GirthWeld		30956.99		39.81	39.58	39.58	8190	Valve	30956.99	Valve	35038.93	36	0.312	52					0.051389	335			649									1250	Unknown		
11597	MELO-CORR	YES	30994.24		37.25	2.33	39.58	8190	Valve	30994.24	Valve	35001.68	36	0.312	52	0.15	0.05	1.14	0.20	0.272222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11598	GirthWeld		30996.57		39.58	39.92	39.91	8200	Valve	30996.57	Valve	34999.35	36	0.312	52					0.459722	335			649									1250	Unknown		
11599	GirthWeld		31036.49		39.92	39.43	39.43	8210	Valve	31036.49	Valve	34959.43	36	0.312	52					1:50	335			649									1250	Unknown		
11600	GirthWeld		31075.92		39.43	34.22	34.23	8220	Valve	31075.92	Valve	34920	36	0.312	52					10:50	335			649									1250	Unknown		
11601	GirthWeld		31110.14		34.22	39.34	39.34	8230	Valve	31110.14	Valve	34885.78	36	0.312	52					0.047222	335			649									1250	Unknown		
11602	GirthWeld		31149.48		39.34	39.77	39.77	8240	Valve	31149.48	Valve	34846.44	36	0.312	52					0.446528	335			649									1250	Unknown		
11603	GirthWeld		31189.25		39.77	39.83	39.82	8250	Valve	31189.25	Valve	34806.67	36	0.312	52					0.061111	335			649									1250	Unknown		
11604	MELO-CORR	YES	31197.05		7.8	32.03	39.82	8250	Valve	31197.05	Valve	34798.87	36	0.312	52	0.15	0.05	1.14	0.20	6:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11605	GirthWeld		31229.08		39.83	39.79	39.79	8260	Valve	31229.08	Valve	34766.84	36	0.312	52					11:12	335			649									1250	Unknown		
11607	CLUSTER	YES	31238.67		9.58	30.2	39.79	8260	Valve	31238.67	Valve	34757.25	36	0.312	52	0.15	0.05	4.10	0.66	0.269444	335	1032	743	649	0.45	1.15							1250	Unknown		
11609	GirthWeld		31268.87		39.79	35.8	35.8	8270	Valve	31268.87	Valve	34727.05	36	0.312	52					0.5375	335			649									1250	Unknown		
11610	MELO-CORR	YES	31271.72		2.85	32.95	35.8	8270	Valve	31271.72	Valve	34724.2	36	0.312	52	0.15	0.05	1.10	0.20	0.270139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11612	CLUSTER	YES	31285.03		16.16	19.64	35.8	8270	Valve	31285.03	Valve	34710.89	36	0.312	52	0.17	0.05	5.30	2.33	6:15	335	1011	728	649	0.46	1.14							1250	Unknown		
11616	GirthWeld		31304.67		35.8	39.78	39.78	8280	Valve	31304.67	Valve	34691.25	36	0.312	52					10:48	335			649									1250	Unknown		
11618	CLUSTER	YES	31320.88		16.21	23.57	39.78	8280	Valve	31320.88	Valve	34675.04	36	0.312	52	0.15	0.05	1.90	1.51	0.267361	335	1061	764	649	0.44	1.18							1250	Unknown		
11620	MELO-CORR	YES	31326.91		22.24	17.54	39.78	8280	Valve	31326.91	Valve	34669.01	36	0.312	52	0.21	0.07	1.18	0.20	0.231944	335	1066	768	649	0.44	1.18							1598	Metal Loss		
11622	CLUSTER	YES	31327.35		22.68	17.1	39.78	8280	Valve	31327.35	Valve	34668.57	36	0.312	52	0.15	0.05	3.35	1.20	0.267361	335	1042	750	649	0.45	1.16							1250	Unknown		
11624	MELO-CORR	YES	31333.01		28.34	11.44	39.78	8280	Valve	31333.01	Valve	34662.91	36	0.312	52	0.21	0.07	1.10	0.16	5:49	335	1067	768	649	0.44	1.18							1598	Metal Loss		
11625	MELO-CORR	YES	31333.26		28.59	11.19	39.78	8280	Valve	31333.26	Valve	34662.66	36	0.312	52	0.16	0.05	1.14	0.16	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11626	MELO-CORR	YES	31338.78		34.11	5.67	39.78	8280	Valve	31338.78	Valve	34657.14	36	0.312	52	0.15	0.05	1.22	0.32	0.267361	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11627	MELO-CORR	YES	31343.2		38.53	1.25	39.78	8280	Valve	31343.2	Valve	34652.72	36	0.312	52	0.15	0.05	1.18	0.16	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11628	GirthWeld		31344.45		39.78	39.83	39.83	8290	Valve	31344.45	Valve	34651.47	36	0.312	52					0.043056	335			649									1250	Unknown		
11629	MELO-CORR	YES	31347.24		2.79	37.04	39.83	8290	Valve	31347.24	Valve	34648.68	36	0.312	52	0.15	0.05	0.98	0.47	6:31	335	1071	771	649	0.43	1.19							1598	Metal Loss		
11630	MELO-CORR	YES	31348.26		3.81	36.02	39.83	8290	Valve	31348.26	Valve	34647.66	36	0.312	52	0.2	0.06	1.10	0.24	6:24	335	1068	769	649	0.44	1.18							1598	Metal Loss		
11631	MELO-CORR	YES	31352.23		7.78	32.05	39.83	8290	Valve	31352.23	Valve	34643.69	36	0.312	52	0.19	0.06	1.10	0.20	0.267361	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11632	MELO-CORR	YES	31367.8		23.35	16.48	39.83	8290	Valve	31367.8	Valve	34628.12	36	0.312	52	0.15	0.05	1.10	0.20	0.278472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11633	MELO-CORR	YES	31370.37		25.92	13.91	39.83	8290	Valve	31370.37	Valve	34625.55	36	0.312	52	0.15	0.05	1.14	0.20	0.278472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11635	CLUSTER	YES	31376.67		32.22	7.61	39.83	8290	Valve	31376.67	Valve	34619.25	36	0.312	52	0.16	0.05	2.92	0.63	5:32	335	1046	753	649	0.44	1.16							1250	Unknown		
11637	MELO-CORR	YES	31382.65		38.19	1.64	39.83	8290	Valve	31382.65	Valve	34613.27	36	0.312	52	0.15	0.05	1.22	0.20	5:51	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11638	GirthWeld		31384.28		39.83	39.85	39.84	8300	Valve	31384.28	Valve	34611.64	36	0.312	52					0.467361	335			649									1250	Unknown		
11639	MELO-CORR	YES	31385.63		1.35	38.5	39.84	8300	Valve	31385.63	Valve	34610.29	36	0.312	52	0.15	0.05	1.14	0.16	0.272917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11640	MELO-CORR	YES	31403.23		18.95	20.9	39.84	8300	Valve	31403.23	Valve	34592.69	36	0.312	52	0.16	0.05	1.10	0.16	0.272222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11641	MELO-CORR	YES	31404.56		20.28	19.56	39.84	8300	Valve	31404.56	Valve	34591.36	36	0.312	52	0.17	0.05	1.14	0.20	6:07	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11642	GirthWeld		31424.13		39.85	39.43	39.44	8310	Valve	31424.13	Valve	34571.79	36	0.312	52					1:17	335			649									1250	Unknown		
11643	GirthWeld		31463.56		39.43	39.78	39.78	8320	Valve	31463.56	Valve	34532.35	36	0.312	52					0.470833	335			649									1250	Unknown		
11645	CLUSTER	YES	31463.76		0.2	39.58	39.78	8320	Valve	31463.76	Valve	34532.16	36	0.312	52	0.18	0.06	6.41	0.35	0.251389	335	995	716	649	0.47	1.11							1250	Unknown		
11647	GirthWeld		31503.34		39.78	39.26	39.26	8330	Valve	31503.34	Valve	34492.58	36	0.312	52					0.069444	335			649									1250	Unknown		
11648	GirthWeld		31542.6		39.26	39.06	39.06	8340	Valve	31542.6	Valve	34453.32	36	0.312	52					11:28	335			649									1250	Unknown		
11649	GirthWeld		31581.66		39.06	39.52	39.52	8350	Valve	31581.66	Valve	34414.26	36	0.312	52					1:24	335			649									1250	Unknown		
11650	GirthWeld		31621.18		39.52	39.88	39.87	8360	Valve	31621.18	Valve	34374.74	36	0.312	52					0.451389	335			649									1250	Unknown		
11651	GirthWeld		31661.06		39.88	39.42	39.42	8370	Valve	31661.06	Valve	34334.86	36	0.312	52					0.058333	335			649									1250	Unknown		
11652	GirthWeld		31700.47		39.41	39.73	39.72	8380	Valve	31700.47	Valve	34295.45	36	0.312	52					0.455556	335			649									1250	Unknown		
11653	GirthWeld		31740.2		39.72	39.85	39.86	8390	Valve	31740.2	Valve	34255.72	36	0.312	52					1:50	335			649									1250	Unknown		
11654	GirthWeld		31780.05		39.85	38	37.99	8400	Valve	31780.05	Valve	34215.87	36	0.312	52					11:12	335			649									1250	Unknown		
11655	GirthWeld		31818.05		38	39.46	39.47	8410	Valve	31818.05	Valve	34177.87	36	0.312	52					0.051389	335			649									1250	Unknown		
11656	MELO-CORR	YES	31835.54		17.49	21.97	39.47	8410	Valve	31835.54	Valve	34160.38	36	0.312	52	0.18	0.06	1.18	0.20	0.225694	335	1068	769	649	0.44	1.18							1598	Metal Loss		
11657	GirthWeld		31857.51		39.46	39.8	39.8	8420	Valve	31857.51	Valve	34138.41	36	0.312	52					0.4625	335			649									1250	Unknown		
11658	GirthWeld		31897.31		39.8	39.27	39.27	8430	Valve	31897.31	Valve	34098.61	36	0.312	52					1:04	335			649									1250	Unknown		
11659	GirthWeld		31936.58		39.27	39.44	39.44	8440	Valve	31936.58	Valve	34059.34	36	0.312	52					10:58	335			649									1250	Unknown		
11660	GirthWeld		31976.02		39.44	38.42	38.42	8450	Valve	31976.02	Valve	34019.9	36	0.312	52					0.056944	335			649									1250	Unknown		
11661	GirthWeld		32014.44		38.42	39.78	39.78	8460	Valve	32014.44	Valve	33981.48	36	0.312	52					0.448611	335			649									1250	Unknown		
11662	GirthWeld		32054.22		39.78	39.77	39.77	8470	Valve	32054.22	Valve	33941.7	36	0.312	52					0.045833	335			649									1250	Unknown		
11663	GirthWeld		32093.99		39.77	34.97	34.97	8480	Valve	32093.99	Valve	33901.93	36	0.312	52					11:12	335			649									1250	Unknown		
11664	GirthWeld		32128.96		34.97	39.82	39.82	8490	Valve	32128.96	Valve	33866.96	36	0.312	52					1:28	335			649									1250	Unknown		
11665	GirthWeld		32168.78		39.82	35.22	35.22	8500	Valve	32168.78	Valve	33827.14	36	0.312	52					0.448611	335			649									1250	Unknown		
11666	GirthWeld		32204		35.22	36.89	36.89	8510	Valve	32204	Valve	33791.92	36	0.312	52					0.540278	335			649									1250	Unknown		
11667	GirthWeld		32240.89		36.89	39.76	39.75	8520	Valve	32240.89	Valve	33755.03	36	0.312	52					0.438889	335			649									1250	Unknown		
11668	GirthWeld		32280.65		39.76	39.15	39.16	8530	Valve	32280.65	Valve	33715.27	36	0.312	52					1:52	335			649									1250	Unknown		
11670	CLUSTER	YES	32304.78		24.13	15.02	39.16	8530	Valve	32304.78	Valve	33691.14	36	0.312	52	0.17	0.05	2.52	0.60	5:29	335	1050	756	649	0.44	1.17							1250	Unknown		
11672	GirthWeld		32319.8		39.15	39.88	39.88	8540	Valve	32319.8	Valve	33676.12	36	0.312	52					0.459722	335			649									1250	Unknown		
11673	MELO-CORR	YES	32326.09		6.29	33.59	39.88	8540	Valve	32326.09	Valve	33669.83	36	0.312	52	0.17	0.05	1.38	0.20	0.279167	335	1066	767	649	0.44	1.18							1598	Metal Loss		
11674	MELO-CORR	YES	32346.42		26.62	13.26	39.88	8540	Valve	32346.42	Valve	33649.5	36	0.312	52	0.16	0.05	1.10	0.20	0.228472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11675	GirthWeld		32359.68		39.88	39.8	39.8	8550	Valve	32359.68	Valve	33636.24	36	0.312	52					1:26	335			649									1250	Unknown		
11676	GirthWeld		32399.48		39.8	39.24	39.24	8560	Valve	32399.48	Valve	33596.44	36	0.312	52					10:44	335			649									1250	Unknown		
11678	CLUSTER	YES	32408.77		9.29	29.95	39.24	8560	Valve	32408.77	Valve	33587.15	36	0.312	52	0.16	0.05	10.13	0.50	0.264583	335	981	706	649	0.47	1.11							1250	Unknown		
11681	GirthWeld		32438.72		39.24	39.79	39.8	8570	Valve	32438.72	Valve	33557.2	36	0.312	52					0.079167	335			649									1250	Unknown		
11682	GirthWeld		32478.51		39.79	39.72	39.72	8580	Valve	32478.51	Valve	33517.41	36	0.312	52					0.441667	335			649									1250	Unknown		
11683	GirthWeld		32518.23		39.72	39.85	39.85	8590	Valve	32518.23	Valve	33477.69	36	0.312	52					1:12	335			649									1250	Unknown		
11684	GirthWeld		32558.08		39.85	39.79	39.79	8600	Valve	32558.08	Valve	33437.84	36	0.312	52					10:52	335			649									1250	Unknown		
11685	GirthWeld		32597.87		39.79	38.41	38.41	8610	Valve	32597.87	Valve	33398.05	36	0.312	52					0.054167	335			649									1250	Unknown		
11686	GirthWeld		32636.28		38.41	39.32	39.32	8620	Valve	32636.28	Valve	33359.64	36	0.312	52					0.454167	335			649									1250	Unknown		
11687	GirthWeld		32675.6		39.32	39.25	39.25	8630	Valve	32675.6	Valve	33320.32	36	0.312	52					0.056944	335			649									1250	Unknown		
11688	GirthWeld		32714.85		39.25	39.84	39.84	8640	Valve	32714.85	Valve	33281.07	36	0.312	52					10:58	335			649									1250	Unknown		
11689	GirthWeld		32754.69		39.84	39.83	39.83	8650	Valve	32754.69	Valve	33241.23	36	0.312	52					1:10	335			649									1250	Unknown		
11690	GirthWeld		32794.52		39.83	39.83	39.83	8660	Valve	32794.52	Valve	33201.4	36	0.312	52					0.465278	335			649									1250	Unknown		
11691	GirthWeld		32834.35		39.83	39.85	39.86	8670	Valve	32834.35	Valve	33161.57	36	0.312	52					0.056944	335			649									1250	Unknown		
11692	GirthWeld		32874.2		39.85	39.82	39.82	8680	Valve	32874.2	Valve	33121.72	36	0.312	52					0.455556	335			649									1250	Unknown		
11693	GirthWeld		32914.02		39.82	39.83	39.83	8690	Valve	32914.02	Valve	33081.9	36	0.312	52					1:30	335			649									1250	Unknown		
11694	GirthWeld		32953.85		39.83	39.15	39.15	8700	Valve	32953.85	Valve	33042.07	36	0.312	52					11:12	335			649									1250	Unknown		
11695	GirthWeld		32993		39.15	39.45	39.45	8710	Valve	32993	Valve	33002.92	36	0.312	52					0.538889	335			649									1250	Unknown		
11696	GirthWeld		33032.45		39.45	39.83	39.83	8720	Valve	33032.45	Valve	32963.47	36	0.312	52					0.46875	335			649									1250	Unknown		
11697	GirthWeld		33072.28		39.83	39.69	39.69	8730	Valve	33072.28	Valve	32923.64	36	0.312	52					0.5375	335			649									1250	Unknown		
11698	GirthWeld		33111.97		39.69	39.85	39.84	8740	Valve	33111.97	Valve	32883.95	36	0.312	52					11:02	335			649									1250	Unknown		
11699	GirthWeld		33151.82		39.85	39.77	39.78	8750	Valve	33151.82	Valve	32844.1	36	0.312	52					1:04	335			649									1250	Unknown		
11700	GirthWeld		33191.59		39.77	39.72	39.72	8760	Valve	33191.59	Valve	32804.33	36	0.312	52					0.4625	335			649									1250	Unknown		
11702	CLUSTER	YES	33219.34		27.75	11.97	39.72	8760	Valve	33219.34	Valve	32776.58	36	0.312	52	0.16	0.05	8.89	1.26	0.240972	335	987	711	649	0.47	1.10							1250	Unknown		
11706	GirthWeld		33231.31		39.72	38.55	38.55	8770	Valve	33231.31	Valve	32764.61	36	0.312	52					0.059722	335			649									1250	Unknown		
11707	GirthWeld		33269.86		38.55	36.03	36.02	8780	Valve	33269.86	Valve	32726.06	36	0.312	52					10:13	335			649									1250	Unknown		
11709	CLUSTER	YES	33289.69		19.83	16.2	36.02	8780	Valve	33289.69	Valve	32706.23	36	0.312	52	0.15	0.05	4.04	0.72	5:51	335	1033	744	649	0.45	1.15							1250	Unknown		
11712	GirthWeld		33305.89		36.03	39.91	39.92	8790	Valve	33305.89	Valve	32690.03	36	0.312	52					0.059722	335			649									1250	Unknown		
11713	GirthWeld		33345.8		39.91	39.81	39.81	8800	Valve	33345.8	Valve	32650.12	36	0.312	52					0.448611	335			649									1250	Unknown		
11714	GirthWeld		33385.61		39.81	39.79	39.79	8810	Valve	33385.61	Valve	32610.31	36	0.312	52					0.072222	335			649									1250	Unknown		
11715	GirthWeld		33425.4		39.79	39.29	39.29	8820	Valve	33425.4	Valve	32570.51	36	0.312	52					10:54	335			649									1250	Unknown		
11716	GirthWeld		33464.69		39.29	39.37	39.37	8830	Valve	33464.69	Valve	32531.23	36	0.312	52					1:28	335			649									1250	Unknown		
11717	GirthWeld		33504.06		39.37	35.91	35.91	8840	Valve	33504.06	Valve	32491.86	36	0.312	52					0.454167	335			649									1250	Unknown		
11718	GirthWeld		33539.97		35.91	37.78	37.78	8850	Valve	33539.97	Valve	32455.95	36	0.312	52					0.061111	335			649									1250	Unknown		
11719	MIFE	n/a	33546.05		6.08	31.7	37.78	8850	Valve	33546.05	Valve	32449.87	36	0.312	52					0.079861	335			649									2167	Mill Anomaly		
11720	GirthWeld		33577.75		37.78	39.84	39.84	8860	Valve	33577.75	Valve	32418.17	36	0.312	52					10:54	335			649									1250	Unknown		
11721	GirthWeld		33617.59		39.84	39.8	39.79	8870	Valve	33617.59	Valve	32378.33	36	0.312	52					1:28	335			649									1250	Unknown		
11722	GirthWeld		33657.39		39.8	39.36	39.37	8880	Valve	33657.39	Valve	32338.53	36	0.312	52					0.430556	335			649									1250	Unknown		
11723	GirthWeld		33696.75		39.36

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
11730	GirthWeld		33969.89		39.83	38.52	38.52	8960	Valve	33969.89	Valve	32026.03	36	0.312	52					10:40	335			649									1250	Unknown		
11731	GirthWeld		34008.41		38.52	39.8	39.8	8970	Valve	34008.41	Valve	31987.51	36	0.312	52					1:30	335			649									1250	Unknown		
11732	GirthWeld		34048.21		39.8	9.93	9.93	8980	Valve	34048.21	Valve	31947.71	36	0.312	52					0.461111	335			649									1250	Unknown		
11733	GirthWeld		34058.14		9.93	39.78	39.78	8990	Valve	34058.14	Valve	31937.78	36	0.312	52					0.081944	335			649									1250	Unknown		
11734	GirthWeld		34097.92		39.78	39.52	39.53	9000	Valve	34097.92	Valve	31898	36	0.312	52					0.466667	335			649									1250	Unknown		
11735	GirthWeld		34137.44		39.52	39.8	39.79	9010	Valve	34137.44	Valve	31858.48	36	0.312	52					1:20	335			649									1250	Unknown		
11736	GirthWeld		34177.24		39.8	39.04	39.04	9020	Valve	34177.24	Valve	31818.68	36	0.312	52					11:26	335			649									1250	Unknown		
11737	GirthWeld		34216.28		39.04	39.83	39.83	9030	Valve	34216.28	Valve	31779.64	36	0.312	52					0.1	335			649									1250	Unknown		
11738	GirthWeld		34256.11		39.83	39.67	39.67	9040	Valve	34256.11	Valve	31739.81	36	0.312	52					0.475	335			649									1250	Unknown		
11739	GirthWeld		34295.78		39.67	39.8	39.8	9050	Valve	34295.78	Valve	31700.14	36	0.312	52					0.06875	335			649									1250	Unknown		
11740	GirthWeld		34335.58		39.8	38.9	38.9	9060	Valve	34335.58	Valve	31660.34	36	0.312	52					10:52	335			649									1250	Unknown		
11741	GirthWeld		34374.48		38.9	39.72	39.72	9070	Valve	34374.48	Valve	31621.44	36	0.312	52					1:56	335			649									1250	Unknown		
11742	GirthWeld		34414.2		39.72	39.63	39.63	9080	Valve	34414.2	Valve	31581.72	36	0.312	52					0.411111	335			649									1250	Unknown		
11743	GirthWeld		34453.83		39.63	39.79	39.79	9090	Valve	34453.83	Valve	31542.09	36	0.312	52					0.090278	335			649									1250	Unknown		
11744	GirthWeld		34493.62		39.79	39.74	39.74	9100	Valve	34493.62	Valve	31502.3	36	0.312	52					0.444444	335			649									1250	Unknown		
11745	GirthWeld		34533.36		39.74	39.35	39.35	9110	Valve	34533.36	Valve	31462.56	36	0.312	52					1:32	335			649									1250	Unknown		
11746	GirthWeld		34572.71		39.35	39.81	39.81	9120	Valve	34572.71	Valve	31423.21	36	0.312	52					11:00	335			649									1250	Unknown		
11747	GirthWeld		34612.52		39.81	39.83	39.83	9130	Valve	34612.52	Valve	31383.4	36	0.312	52					0.057639	335			649									1250	Unknown		
11748	MELO-CORR	YES	34634.14		21.62	18.21	39.83	9130	Valve	34634.14	Valve	31361.78	36	0.312	52	0.16	0.05	1.14	0.20	0.229167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11749	GirthWeld		34652.35		39.83	39.72	39.71	9140	Valve	34652.35	Valve	31343.57	36	0.312	52					0.436111	335			649									1250	Unknown		
11750	MELO-CORR	YES	34680.6		28.25	11.46	39.71	9140	Valve	34680.6	Valve	31315.32	36	0.312	52	0.15	0.05	1.14	0.20	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11751	GirthWeld		34692.07		39.72	39.42	39.41	9150	Valve	34692.07	Valve	31303.85	36	0.312	52					1:32	335			649									1250	Unknown		
11752	MELO-CORR	YES	34718.46		26.39	13.02	39.41	9150	Valve	34718.46	Valve	31277.46	36	0.312	52	0.15	0.05	1.22	0.16	0.223611	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11753	GirthWeld		34731.48		39.41	39.84	39.85	9160	Valve	34731.48	Valve	31264.44	36	0.312	52					0.443056	335			649									1250	Unknown		
11754	GirthWeld		34771.32		39.84	39.76	39.75	9170	Valve	34771.32	Valve	31224.6	36	0.312	52					0.069444	335			649									1250	Unknown		
11755	GirthWeld		34811.08		39.76	39.75	39.75	9180	Valve	34811.08	Valve	31184.84	36	0.312	52					11:02	335			649									1250	Unknown		
11756	GirthWeld		34850.83		39.75	39.7	39.69	9190	Valve	34850.83	Valve	31145.09	36	0.312	52					1:21	335			649									1250	Unknown		
11758	CLUSTER	YES	34854.12		3.29	36.4	39.69	9190	Valve	34854.12	Valve	31141.8	36	0.312	52	0.16	0.05	7.32	1.67	0.222222	335	997	718	649	0.47	1.12							1250	Unknown		
11764	CLUSTER	YES	34861.74		10.91	28.78	39.69	9190	Valve	34861.74	Valve	31134.18	36	0.312	52	0.2	0.06	9.50	1.32	0.223611	335	960	691	649	0.48	1.10							1250	Unknown		
11773	GirthWeld		34890.53		39.7	38.67	38.67	9200	Valve	34890.53	Valve	31105.39	36	0.312	52					0.454167	335			649									1250	Unknown		
11774	GirthWeld		34929.2		38.67	39.8	39.8	9210	Valve	34929.2	Valve	31066.72	36	0.312	52					1:18	335			649									1250	Unknown		
11775	GirthWeld		34969		39.8	39.1	39.1	9220	Valve	34969	Valve	31026.92	36	0.312	52					11:06	335			649									1250	Unknown		
11776	GirthWeld		35008.1		39.1	36.35	36.35	9230	Valve	35008.1	Valve	30987.82	36	0.312	52					0.066667	335			649									1250	Unknown		
11777	GirthWeld		35044.44		36.34	39.77	39.77	9240	Valve	35044.44	Valve	30951.48	36	0.312	52					0.459722	335			649									1250	Unknown		
11778	GirthWeld		35084.21		39.77	39.86	39.86	9250	Valve	35084.21	Valve	30911.71	36	0.312	52					0.047222	335			649									1250	Unknown		
11779	GirthWeld		35124.07		39.86	38.95	38.95	9260	Valve	35124.07	Valve	30871.85	36	0.312	52					10:48	335			649									1250	Unknown		
11780	GirthWeld		35163.02		38.95	39.93	39.93	9270	Valve	35163.02	Valve	30832.9	36	0.312	52					1:27	335			649									1250	Unknown		
11781	GirthWeld		35202.95		39.93	38.36	38.36	9280	Valve	35202.95	Valve	30792.97	36	0.312	52					0.458333	335			649									1250	Unknown		
11782	GirthWeld		35241.31		38.36	39.76	39.76	9290	Valve	35241.31	Valve	30754.61	36	0.312	52					0.5375	335			649									1250	Unknown		
11783	GirthWeld		35281.07		39.76	39.8	39.8	9300	Valve	35281.07	Valve	30714.85	36	0.312	52					0.447222	335			649									1250	Unknown		
11784	GirthWeld		35320.87		39.8	39.77	39.77	9310	Valve	35320.87	Valve	30675.05	36	0.312	52					1:08	335			649									1250	Unknown		
11785	GirthWeld		35360.64		39.77	39.75	39.74	9320	Valve	35360.64	Valve	30635.28	36	0.312	52					11:06	335			649									1250	Unknown		
11786	GirthWeld		35400.39		39.75	39.4	39.4	9330	Valve	35400.39	Valve	30595.53	36	0.312	52					0.045833	335			649									1250	Unknown		
11787	GirthWeld		35439.79		39.4	39.44	39.44	9340	Valve	35439.79	Valve	30556.13	36	0.312	52					0.444444	335			649									1250	Unknown		
11788	GirthWeld		35479.23		39.44	36.25	36.25	9350	Valve	35479.23	Valve	30516.69	36	0.312	52					0.068056	335			649									1250	Unknown		
11789	GirthWeld		35515.48		36.25	39.81	39.81	9360	Valve	35515.48	Valve	30480.44	36	0.312	52					11:12	335			649									1250	Unknown		
11791	CLUSTER	YES	35553.76		38.28	1.53	39.81	9360	Valve	35553.76	Valve	30442.16	36	0.312	52	0.19	0.06	3.66	0.35	5:53	335	1027	739	649	0.45	1.15							1250	Unknown		
11793	GirthWeld		35555.29		39.81	39.74	39.74	9370	Valve	35555.29	Valve	30440.63	36	0.312	52					0.047222	335			649									1250	Unknown		
11794	GirthWeld		35595.03		39.74	39.91	39.9	9380	Valve	35595.03	Valve	30400.89	36	0.312	52					0.444444	335			649									1250	Unknown		
11795	GirthWeld		35634.94		39.91	39.83	39.83	9390	Valve	35634.94	Valve	30360.98	36	0.312	52					0.061111	335			649									1250	Unknown		
11796	GirthWeld		35674.77		39.83	38.29	38.29	9400	Valve	35674.77	Valve	30321.15	36	0.312	52					10:56	335			649									1250	Unknown		
11797	GirthWeld		35713.06		38.29	39.86	39.86	9410	Valve	35713.06	Valve	30282.86	36	0.312	52					1:20	335			649									1250	Unknown		
11798	GirthWeld		35752.92		39.86	39.8	39.8	9420	Valve	35752.92	Valve	30243	36	0.312	52					0.456944	335			649									1250	Unknown		
11799	GirthWeld		35792.72		39.8	39.79	39.8	9430	Valve	35792.72	Valve	30203.2	36	0.312	52					0.059722	335			649									1250	Unknown		
11800	GirthWeld		35832.51		39.79	39.51	39.51	9440	Valve	35832.51	Valve	30163.4	36	0.312	52					0.444444	335			649									1250	Unknown		
11801	GirthWeld		35872.03		39.51	39.74	39.75	9450	Valve	35872.03	Valve	30123.89	36	0.312	52					1:12	335			649									1250	Unknown		
11802	MELO-CORR	YES	35895.33		23.3	16.44	39.75	9450	Valve	35895.33	Valve	30100.59	36	0.312	52	0.16	0.05	1.14	0.24	6:01	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11804	CLUSTER	YES	35896.88		24.85	14.89	39.75	9450	Valve	35896.88	Valve	30099.04	36	0.312	52	0.25	0.08	2.86	0.82	0.251389	335	1027	739	649	0.45	1.15							1250	Unknown		
11806	MELO-CORR	YES	35897.49		25.46	14.28	39.75	9450	Valve	35897.49	Valve	30098.43	36	0.312	52	0.22	0.07	1.14	0.20	0.248611	335	1066	768	649	0.44	1.18							1598	Metal Loss		
11807	MELO-CORR	YES	35904.62		32.59	7.15	39.75	9450	Valve	35904.62	Valve	30091.3	36	0.312	52	0.16	0.05	1.18	0.35	0.263889	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11808	MELO-CORR	YES	35905.64		33.61	6.13	39.75	9450	Valve	35905.64	Valve	30090.28	36	0.312	52	0.17	0.05	1.10	0.16	6:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11810	CLUSTER	YES	35906.92		34.89	4.85	39.75	9450	Valve	35906.92	Valve	30089	36	0.312	52	0.21	0.07	1.57	1.32	6:00	335	1060	763	649	0.44	1.18							1250	Unknown		
11812	MELO-CORR	YES	35907.3		35.27	4.47	39.75	9450	Valve	35907.3	Valve	30088.62	36	0.312	52	0.15	0.05	1.22	0.20	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
11813	GirthWeld		35911.77		39.74	39.9	39.89	9460	Valve	35911.77	Valve	30084.15	36	0.312	52					0.430556	335			649									1250	Unknown		
11814	GirthWeld		35951.67		39.9	37.39	37.39	9470	Valve	35951.67	Valve	30044.25	36	0.312	52					0.540278	335			649									1250	Unknown		
11815	GirthWeld		35989.06		37.39	39.86	39.86	9480	Valve	35989.06	Valve	30006.86	36	0.312	52					11:20	335			649									1250	Unknown		
11816	MELO-CORR	YES	35994.72		5.66	34.2	39.86	9480	Valve	35994.72	Valve	30001.2	36	0.312	52	0.15	0.05	1.10	0.20	6:24	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11818	CLUSTER	YES	36000.67		11.61	28.25	39.86	9480	Valve	36000.67	Valve	29995.25	36	0.312	52	0.16	0.05	2.38	1.13	0.247222	335	1054	759	649	0.44	1.17							1250	Unknown		
11820	MELO-CORR	YES	36001.05		11.99	27.87	39.86	9480	Valve	36001.05	Valve	29994.87	36	0.312	52	0.21	0.07	1.10	0.20	0.268056	335	1067	768	649	0.44	1.18							1598	Metal Loss		
11822	CLUSTER	YES	36010.09		21.03	18.83	39.86	9480	Valve	36010.09	Valve	29985.83	36	0.312	52	0.26	0.08	6.20	0.88	0.247222	335	957	689	649	0.49	1.12							1250	Unknown		
11826	CLUSTER	YES	36010.75		21.69	18.17	39.86	9480	Valve	36010.75	Valve	29985.17	36	0.312	52	0.2	0.06	2.74	0.88	5:57	335	1041	750	649	0.45	1.16							1250	Unknown		
11828	MELO-CORR	YES	36020.94		31.88	7.98	39.86	9480	Valve	36020.94	Valve	29974.98	36	0.312	52	0.17	0.05	1.18	0.16	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11830	CLUSTER	YES	36024.46		35.4	4.46	39.86	9480	Valve	36024.46	Valve	29971.46	36	0.312	52	0.15	0.05	3.46	1.95	0.238194	335	1040	749	649	0.45	1.16							1250	Unknown		
11833	MELO-CORR	YES	36025.74		36.68	3.18	39.86	9480	Valve	36025.74	Valve	29970.18	36	0.312	52	0.15	0.05	1.14	0.20	0.268056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
11834	GirthWeld		36028.92		39.86	39.16	39.16	9490	Valve	36028.92	Valve	29967	36	0.312	52					0.059722	335			649									1250	Unknown		
11835	GirthWeld		36068.08		39.16	38.35	38.35	9500	Valve	36068.08	Valve	29927.84	36	0.312	52					10:54	335			649									1250	Unknown		
11836	GirthWeld		36106.43		38.35	39.82	39.81	9510	Valve	36106.43	Valve	29889.49	36	0.312	52					1:22	335			649									1250	Unknown		
11837	GirthWeld		36146.25		39.82	39.58	39.58	9520	Valve	36146.25	Valve	29849.67	36	0.312	52					0.458333	335			649									1250	Unknown		
11838	GirthWeld		36185.83		39.58	39.81	39.81	9530	Valve	36185.83	Valve	29810.09	36	0.312	52					0.540278	335			649									1250	Unknown		
11839	GirthWeld		36225.64		39.81	39.81	39.81	9540	Valve	36225.64	Valve	29770.28	36	0.312	52					0.452778	335			649									1250	Unknown		
11840	GirthWeld		36265.45		39.81	37.97	37.97	9550	Valve	36265.45	Valve	29730.47	36	0.312	52					1:10	335			649									1250	Unknown		
11841	GirthWeld		36303.42		37.97	39.81	39.81	9560	Valve	36303.42	Valve	29692.5	36	0.312	52					10:50	335			649									1250	Unknown		
11842	GirthWeld		36343.23		39.81	39.66	39.66	9570	Valve	36343.23	Valve	29652.69	36	0.312	52					0.047222	335			649									1250	Unknown		
11843	GirthWeld		36382.89		39.65	38.44	38.44	9580	Valve	36382.89	Valve	29613.03	36	0.312	52					0.440278	335			649									1250	Unknown		
11844	GirthWeld		36421.33		38.44	39.67	39.67	9590	Valve	36421.33	Valve	29574.59	36	0.312	52					0.0625	335			649									1250	Unknown		
11845	GirthWeld		36461		39.67	39.76	39.77	9600	Valve	36461	Valve	29534.92	36	0.312	52					11:24	335			649									1250	Unknown		
11846	GirthWeld		36500.76		39.76	38.62	38.61	9610	Valve	36500.76	Valve	29495.16	36	0.312	52					1:22	335			649									1250	Unknown		
11847	GirthWeld		36539.38		38.61	39.83	39.83	9620	Valve	36539.38	Valve	29456.54	36	0.312	52					0.476389	335			649									1250	Unknown		
11848	GirthWeld		36579.21		39.83	39.8	39.8	9630	Valve	36579.21	Valve	29416.71	36	0.312	52					0.061111	335			649									1250	Unknown		
11849	GirthWeld		36619.01		39.8	39.82	39.82	9640	Valve	36619.01	Valve	29376.91	36	0.312	52					0.4625	335			649									1250	Unknown		
11850	GirthWeld		36658.83		39.82	39.81	39.81	9650	Valve	36658.83	Valve	29337.09	36	0.312	52					1:04	335			649									1250	Unknown		
11851	GirthWeld		36698.64		39.81	39.77	39.77	9660	Valve	36698.64	Valve	29297.28	36	0.312	52					10:44	335			649									1250	Unknown		
11852	GirthWeld		36738.41		39.77	38.14	38.14	9670	Valve	36738.41	Valve	29257.51	36	0.312	52					0.059722	335			649									1250	Unknown		
11853	GirthWeld		36776.55		38.14	39.27	39.28	9680	Valve	36776.55	Valve	29219.37	36	0.312	52					0.459722	335			649									1250	Unknown		
11854	GirthWeld		36815.82		39.27	39.79	39.79	9690	Valve	36815.82	Valve	29180.1	36	0.312	52					0.05	335			649									1250	Unknown		
11855	GirthWeld		36855.61		39.79	39.84	39.84	9700	Valve	36855.61	Valve	29140.31	36	0.312	52					10:36	335			649									1250	Unknown		
11856	GirthWeld		36895.45		39.84	39.75	39.75	9710	Valve	36895.45	Valve	29100.47	36	0.312	52					1:00	335			649									1250	Unknown		
11857	GirthWeld		36935.2		39.75	39.82	39.82	9720	Valve	36935.2	Valve	29060.72	36	0.312	52					0.452778	335			649									1250	Unknown		
11858	GirthWeld		36975.02		39.82	39.78	39.78	9730	Valve	36975.02	Valve	29020.9	36	0.312	52					0.054167	335			649									1250	Unknown		
11859	GirthWeld		37014.8		39.78	39.78	39.78	9740	Valve	37014.8	Valve	28981.12	36	0.312	52					0.4625	335			649									1250	Unknown		
11860	GirthWeld		37054.58		39.78	39.81	39.81	9750	Valve	37054.58	Valve	28941.34	36	0.312	52					1:50	335			649									1250	Unknown		
11861	GirthWeld		37094.39		39.81	39.81	39.8	9760	Valve	37094.39	Valve	28901.53	36	0.312	52					11:00	335			649									1250	Unknown		
11862	GirthWeld		37134.2		39.81	39.81	39.81	9770	Valve	37134.2	Valve	28861.72	36	0.312	52					0.048611	335			649									1250	Unknown		
11863	GirthWeld		37174.01		39.81	39.37	39.37	9780	Valve	37174.01	Valve	28821.91	36	0.312	52					0.45	335			649									1250	Unknown		
11864	GirthWeld		37213.38		39.37	39.52	39.53	9790	Valve	37213.38	Valve	28782.54	36	0.312	52					0.065278	335			649									1250	Unknown		
11865	GirthWeld		37252.9		39.53	39.83	39.83	9800	Valve	37252.9	Valve	28743.01	36	0.312	52					11:10	335			649									1250	Unknown		
11866	GirthWeld		37292.73		39.83	39.78	39.78	9810	Valve	37292.73	Valve	28703.19	36	0.312	52					1:04	335			649									1250	Unknown		
11867	GirthWeld		37332.51		39.78	39.74	39.74	9820	Valve	37332.51	Valve	28663.41	36	0.312	52					0.448611	335			649									1250	Unknown		
11868	GirthWeld		37372.25		39.74	39.58	39.58	9830	Valve	37372.25	Valve	28623.67	36	0.312	52					0.059722	335			649									1250	Unknown		
11869	GirthWeld		37411.83		39.58	38.99	38.98	9840	Valve	37411.83	Valve	28584.09	36	0.312	52					0.434722	335			649									1250	Unknown		
11870	GirthWeld		37450.82		38.99	39.75	39.75	9850	Valve	37450.82	Valve	28545.1	36	0.312	52					1:06	335			649									1250	Unknown		
11871	GirthWeld		37490.57		39.75	34.96	34.96	9860	Valve	37490.57	Valve	28505.35	36	0.312	52					11:12	335			649									1250	Unknown		
11872	GirthWeld		37525.53		34.96	39	38.99	9870	Valve	37525.53	Valve	28470.39	36	0.312	52					0.047222	335			649									1250	Unknown		
11873	GirthWeld		37564.53		39	39.78	39.78	9880	Valve	37564.53	Valve	28431.39	36	0.312	52					0.448611	335			649									1250	Unknown		
11874	GirthWeld		37604.31		39.78	39.8	39.8	9890	Valve	37604.31	Valve	28391.61	36	0.312	52					0.052778	335			649									1250	Unknown		
11875	GirthWeld		37644.11		39.8	39.43	39.43	9900	Valve	37644.11	Valve	28351.81	36	0.312	52					10:26	335			649									1250	Unknown		
11876	GirthWeld		37683.54		39.43	39.11	39.11	9910	Valve	37683.54	Valve	28312.38	36	0.312	52					1:06	335			649									1250	Unknown		
11877	GirthWeld		37722.65		39.11	38.86	38.86	9920	Valve	37722.65	Valve	28273.27	36	0.312	52					0.456944	335			649									1250	Unknown		
11878	GirthWeld		37761.51		38.86	39.78	39.78	9930	Valve	37761.51

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
11880	GirthWeld		37839.59		38.3	39.78	39.78	9950	Valve	37839.59	Valve	28156.33	36	0.312	52					1:02	335			649									1250	Unknown		
11881	GirthWeld		37879.37		39.78	39.84	39.84	9960	Valve	37879.37	Valve	28116.55	36	0.312	52					10:26	335			649									1250	Unknown		
11883	CLUSTER	YES	37912.2		32.83	7.01	39.84	9960	Valve	37912.2	Valve	28083.72	36	0.312	52	0.15	0.05	1.61	0.85	0.231944	335	1065	766	649	0.44	1.18							1250	Unknown		
11885	GirthWeld		37919.21		39.84	39.74	39.73	9970	Valve	37919.21	Valve	28076.71	36	0.312	52					0.5375	335			649									1250	Unknown		
11886	GirthWeld		37958.95		39.74	39.89	39.88	9980	Valve	37958.95	Valve	28036.97	36	0.312	52					0.438889	335			649									1250	Unknown		
11887	GirthWeld		37998.83		39.88	38.98	38.98	9990	Valve	37998.83	Valve	27997.09	36	0.312	52					1:24	335			649									1250	Unknown		
11888	GirthWeld		38037.81		38.98	39.81	39.81	10000	Valve	38037.81	Valve	27958.11	36	0.312	52					10:46	335			649									1250	Unknown		
11889	GirthWeld		38077.62		39.81	39.8	39.79	10010	Valve	38077.62	Valve	27918.3	36	0.312	52					0.538889	335			649									1250	Unknown		
11890	GirthWeld		38117.42		39.8	38.74	38.75	10020	Valve	38117.42	Valve	27878.5	36	0.312	52					0.4375	335			649									1250	Unknown		
11891	GirthWeld		38156.16		38.74	39.8	39.8	10030	Valve	38156.16	Valve	27839.76	36	0.312	52					0.056944	335			649									1250	Unknown		
11892	GirthWeld		38195.96		39.8	39.8	39.8	10040	Valve	38195.96	Valve	27799.96	36	0.312	52					10:58	335			649									1250	Unknown		
11893	GirthWeld		38235.76		39.8	39.79	39.79	10050	Valve	38235.76	Valve	27760.16	36	0.312	52					1:28	335			649									1250	Unknown		
11894	GirthWeld		38275.55		39.79	39.78	39.78	10060	Valve	38275.55	Valve	27720.37	36	0.312	52					0.455556	335			649									1250	Unknown		
11895	GirthWeld		38315.33		39.78	39.85	39.84	10070	Valve	38315.33	Valve	27680.59	36	0.312	52					0.080556	335			649									1250	Unknown		
11896	GirthWeld		38355.18		39.85	39.81	39.82	10080	Valve	38355.18	Valve	27640.74	36	0.312	52					0.434722	335			649									1250	Unknown		
11897	MELO-CORR	YES	38391.64		36.46	3.35	39.82	10080	Valve	38391.64	Valve	27604.28	36	0.312	52	0.15	0.05	1.26	0.43	6:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11898	GirthWeld		38394.99		39.81	39.81	39.81	10090	Valve	38394.99	Valve	27600.93	36	0.312	52					1:38	335			649									1250	Unknown		
11900	CLUSTER	YES	38424.66		29.67	10.14	39.81	10090	Valve	38424.66	Valve	27571.26	36	0.312	52	0.15	0.05	2.26	1.10	0.251389	335	1057	761	649	0.44	1.17							1250	Unknown		
11902	GirthWeld		38434.8		39.81	39.79	39.79	10100	Valve	38434.8	Valve	27561.12	36	0.312	52					0.459722	335			649									1250	Unknown		
11903	GirthWeld		38474.59		39.79	39.17	39.17	10110	Valve	38474.59	Valve	27521.33	36	0.312	52					0.057639	335			649									1250	Unknown		
11905	CLUSTER	YES	38486.43		11.84	27.33	39.17	10110	Valve	38486.43	Valve	27509.49	36	0.312	52	0.17	0.05	5.57	0.79	5:18	335	1008	726	649	0.46	1.12							1250	Unknown		
11907	GirthWeld		38513.76		39.17	39.45	39.45	10120	Valve	38513.76	Valve	27482.16	36	0.312	52					10:41	335			649									1250	Unknown		
11909	CLUSTER	YES	38515.45		1.69	37.76	39.45	10120	Valve	38515.45	Valve	27480.47	36	0.312	52	0.15	0.05	24.71	1.76	0.214583	335	962	693	649	0.48	1.08							1250	Unknown		
11925	GirthWeld		38553.21		39.45	36.27	36.27	10130	Valve	38553.21	Valve	27442.71	36	0.312	52					0.051389	335			649									1250	Unknown		
11927	CLUSTER	YES	38553.84		0.63	35.64	36.27	10130	Valve	38553.84	Valve	27442.08	36	0.312	52	0.21	0.07	2.87	0.47	0.224306	335	1036	746	649	0.45	1.15							1250	Unknown		
11930	CLUSTER	YES	38554.46		1.25	35.01	36.27	10130	Valve	38554.46	Valve	27441.46	36	0.312	52	0.15	0.05	4.78	0.66	5:22	335	1025	738	649	0.45	1.13							1250	Unknown		
11932	MELO-CORR	YES	38554.66		1.45	34.81	36.27	10130	Valve	38554.66	Valve	27441.26	36	0.312	52	0.17	0.05	1.18	0.16	8:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
11934	CLUSTER	YES	38555.09		1.88	34.39	36.27	10130	Valve	38555.09	Valve	27440.83	36	0.312	52	0.21	0.07	19.43	3.05	0.220139	335	921	663	649	0.50	1.08							1250	Unknown		
11940	CLUSTER	YES	38555.47		2.26	34.01	36.27	10130	Valve	38555.47	Valve	27440.45	36	0.312	52	0.16	0.05	2.51	1.32	0.275694	335	1051	757	649	0.44	1.17							1250	Unknown		
11947	MELO-CORR	YES	38557.06		3.85	32.42	36.27	10130	Valve	38557.06	Valve	27438.86	36	0.312	52	0.15	0.05	1.10	0.16	0.23125	335	1070	770	649	0.43	1.19							1598	Metal Loss		
11948	MELO-CORR	YES	38558.05		4.84	31.42	36.27	10130	Valve	38558.05	Valve	27437.87	36	0.312	52	0.29	0.09	1.06	0.20	6:45	335	1064	766	649	0.44	1.18							1598	Metal Loss		
11949	MELO-CORR	YES	38562.03		8.82	27.45	36.27	10130	Valve	38562.03	Valve	27433.89	36	0.312	52	0.21	0.07	1.22	0.87	6:50	335	1066	767	649	0.44	1.18							1598	Metal Loss		
11951	CLUSTER	YES	38572.17		18.96	17.31	36.27	10130	Valve	38572.17	Valve	27423.75	36	0.312	52	0.16	0.05	13.90	0.94	0.275	335	969	697	649	0.48	1.09							1250	Unknown		
11958	CLUSTER	YES	38574.61		21.4	14.87	36.27	10130	Valve	38574.61	Valve	27421.31	36	0.312	52	0.17	0.05	9.36	2.11	0.226389	335	979	705	649	0.48	1.10							1250	Unknown		
11960	CLUSTER	YES	38574.7		21.49	14.78	36.27	10130	Valve	38574.7	Valve	27421.22	36	0.312	52	0.18	0.06	20.98	3.08	0.261806	335	942	678	649	0.49	1.08							1250	Unknown		
11979	CLUSTER	YES	38577.32		24.11	12.16	36.27	10130	Valve	38577.32	Valve	27418.6	36	0.312	52	0.16	0.05	35.00	7.42	5:45	335	948	682	649	0.49	1.08							1250	Unknown		
12002	CLUSTER	YES	38586.4		33.19	3.08	36.27	10130	Valve	38586.4	Valve	27409.52	36	0.312	52	0.17	0.05	7.18	1.35	6:01	335	993	715	649	0.47	1.12							1250	Unknown		
12005	GirthWeld		38589.48		36.27	39.64	39.65	10140	Valve	38589.48	Valve	27406.44	36	0.312	52					0.439583	335			649									1250	Unknown		
12006	MELO-CORR	YES	38594.31		4.83	34.81	39.65	10140	Valve	38594.31	Valve	27401.61	36	0.312	52	0.16	0.05	0.87	0.20	0.342361	335	1071	771	649	0.43	1.19							1598	Metal Loss		
12008	CLUSTER	YES	38599		9.52	30.12	39.65	10140	Valve	38599	Valve	27396.92	36	0.312	52	0.19	0.06	12.01	2.48	0.235417	335	954	687	649	0.49	1.08							1250	Unknown		
12018	CLUSTER	YES	38601.52		12.04	27.61	39.65	10140	Valve	38601.52	Valve	27394.4	36	0.312	52	0.16	0.05	2.28	0.97	8:04	335	1055	759	649	0.44	1.17							1250	Unknown		
12021	CLUSTER	YES	38601.76		12.28	27.36	39.65	10140	Valve	38601.76	Valve	27394.16	36	0.312	52	0.17	0.05	11.58	2.01	6:02	335	969	698	649	0.48	1.09							1250	Unknown		
12026	MELO-CORR	YES	38603.28		13.8	25.85	39.65	10140	Valve	38603.28	Valve	27392.64	36	0.312	52	0.17	0.05	1.18	0.16	0.197222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12027	MELO-CORR	YES	38607.38		17.9	21.74	39.65	10140	Valve	38607.38	Valve	27388.54	36	0.312	52	0.17	0.05	1.06	0.39	0.277778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12028	MELO-CORR	YES	38608.19		18.71	20.93	39.65	10140	Valve	38608.19	Valve	27387.73	36	0.312	52	0.16	0.05	1.10	0.16	0.333333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12030	CLUSTER	YES	38610.93		21.45	18.19	39.65	10140	Valve	38610.93	Valve	27384.99	36	0.312	52	0.16	0.05	3.44	0.47	4:21	335	1038	748	649	0.45	1.16							1250	Unknown		
12033	MELO-CORR	YES	38611.79		22.31	17.34	39.65	10140	Valve	38611.79	Valve	27384.13	36	0.312	52	0.23	0.07	1.10	0.20	8:01	335	1066	768	649	0.44	1.18							1598	Metal Loss		
12035	CLUSTER	YES	38612		22.52	17.12	39.65	10140	Valve	38612	Valve	27383.92	36	0.312	52	0.15	0.05	1.74	1.20	0.326389	335	1063	765	649	0.44	1.18							1250	Unknown		
12037	MELO-CORR	YES	38622.38		32.9	6.74	39.65	10140	Valve	38622.38	Valve	27373.54	36	0.312	52	0.15	0.05	1.10	0.16	0.326389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
12038	MELO-CORR	YES	38622.55		33.07	6.58	39.65	10140	Valve	38622.55	Valve	27373.37	36	0.312	52	0.19	0.06	1.14	0.20	0.220139	335	1067	769	649	0.44	1.18							1598	Metal Loss		
12040	CLUSTER	YES	38623.22		33.74	5.9	39.65	10140	Valve	38623.22	Valve	27372.7	36	0.312	52	0.17	0.05	3.83	1.38	5:17	335	1030	742	649	0.45	1.15							1250	Unknown		
12043	MELO-CORR	YES	38625.13		35.65	3.99	39.65	10140	Valve	38625.13	Valve	27370.79	36	0.312	52	0.28	0.09	1.14	0.16	5:17	335	1063	766	649	0.44	1.18							1598	Metal Loss		
12044	GirthWeld		38629.12		39.64	39.8	39.8	10150	Valve	38629.12	Valve	27366.8	36	0.312	52					0.063889	335			649									1250	Unknown		
12045	MELO-CORR	YES	38630.2		1.08	38.72	39.8	10150	Valve	38630.2	Valve	27365.72	36	0.312	52	0.17	0.05	1.10	0.24	0.21875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12046	MELO-CORR	YES	38631.11		1.99	37.81	39.8	10150	Valve	38631.11	Valve	27364.81	36	0.312	52	0.17	0.05	1.10	0.35	0.222917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12047	MELO-CORR	YES	38635.04		5.92	33.88	39.8	10150	Valve	38635.04	Valve	27360.88	36	0.312	52	0.16	0.05	1.10	0.16	7:28	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12048	MELO-CORR	YES	38637.07		7.95	31.85	39.8	10150	Valve	38637.07	Valve	27358.85	36	0.312	52	0.17	0.05	1.10	0.20	4:29	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12049	MELO-CORR	YES	38637.61		8.49	31.31	39.8	10150	Valve	38637.61	Valve	27358.31	36	0.312	52	0.19	0.06	1.14	0.71	0.242361	335	1067	769	649	0.44	1.18							1598	Metal Loss		
12051	CLUSTER	YES	38644.65		15.53	24.27	39.8	10150	Valve	38644.65	Valve	27351.27	36	0.312	52	0.21	0.07	6.66	1.16	0.270833	335	977	704	649	0.48	1.10							1250	Unknown		
12057	CLUSTER	YES	38649.68		20.56	19.24	39.8	10150	Valve	38649.68	Valve	27346.24	36	0.312	52	0.17	0.05	20.32	6.25	0.236806	335	951	684	649	0.49	1.08							1250	Unknown		
12071	MELO-CORR	YES	38650.45		21.33	18.47	39.8	10150	Valve	38650.45	Valve	27345.47	36	0.312	52	0.19	0.06	1.10	0.20	6:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12078	CLUSTER	YES	38652.87		23.75	16.05	39.8	10150	Valve	38652.87	Valve	27343.05	36	0.312	52	0.22	0.07	4.45	1.10	5:51	335	1003	722	649	0.46	1.13							1250	Unknown		
12080	MELO-CORR	YES	38653.28		24.16	15.64	39.8	10150	Valve	38653.28	Valve	27342.64	36	0.312	52	0.16	0.05	1.10	0.16	0.308333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12082	CLUSTER	YES	38655.18		26.06	13.74	39.8	10150	Valve	38655.18	Valve	27340.74	36	0.312	52	0.15	0.05	5.95	2.52	0.232639	335	1013	729	649	0.46	1.12							1250	Unknown		
12088	CLUSTER	YES	38657.52		28.4	11.4	39.8	10150	Valve	38657.52	Valve	27338.4	36	0.312	52	0.2	0.06	4.91	1.07	0.228472	335	1004	723	649	0.46	1.13							1250	Unknown		
12092	CLUSTER	YES	38657.85		28.73	11.07	39.8	10150	Valve	38657.85	Valve	27338.07	36	0.312	52	0.15	0.05	11.35	7.04	5:39	335	983	708	649	0.47	1.09							1250	Unknown		
12109	CLUSTER	YES	38658.98		29.86	9.94	39.8	10150	Valve	38658.98	Valve	27336.94	36	0.312	52	0.15	0.05	2.41	1.38	5:41	335	1055	759	649	0.44	1.17							1250	Unknown		
12113	MELO-CORR	YES	38660.76		31.64	8.16	39.8	10150	Valve	38660.76	Valve	27335.16	36	0.312	52	0.15	0.05	1.22	0.20	0.221528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
12115	CLUSTER	YES	38664.8		35.68	4.12	39.8	10150	Valve	38664.8	Valve	27331.12	36	0.312	52	0.18	0.06	3.55	2.36	0.299306	335	1031	743	649	0.45	1.15							1250	Unknown		
12119	GirthWeld		38668.92		39.8	38.83	38.83	10160	Valve	38668.92	Valve	27327	36	0.312	52					0.442361	335			649									1250	Unknown		
12121	CLUSTER	YES	38675.48		6.56	32.28	38.83	10160	Valve	38675.48	Valve	27320.44	36	0.312	52	0.15	0.05	12.16	2.61	6:10	335	980	706	649	0.47	1.09							1250	Unknown		
12130	CLUSTER	YES	38681.58		12.66	26.18	38.83	10160	Valve	38681.58	Valve	27314.34	36	0.312	52	0.19	0.06	9.96	1.38	6:15	335	963	694	649	0.48	1.09							1250	Unknown		
12136	CLUSTER	YES	38686.87		17.95	20.88	38.83	10160	Valve	38686.87	Valve	27309.05	36	0.312	52	0.24	0.08	5.30	0.76	0.290278	335	981	706	649	0.47	1.12							1250	Unknown		
12140	CLUSTER	YES	38688.18		19.26	19.57	38.83	10160	Valve	38688.18	Valve	27307.74	36	0.312	52	0.17	0.05	4.44	1.73	0.226389	335	999	719	649	0.47	1.12							1250	Unknown		
12148	CLUSTER	YES	38691.68		22.76	16.08	38.83	10160	Valve	38691.68	Valve	27304.24	36	0.312	52	0.18	0.06	5.77	1.73	0.258333	335	1001	721	649	0.46	1.12							1250	Unknown		
12154	MELO-CORR	YES	38697.55		28.63	10.2	38.83	10160	Valve	38697.55	Valve	27298.37	36	0.312	52	0.24	0.08	1.14	0.20	6:28	335	1065	767	649	0.44	1.18							1598	Metal Loss		
12155	MELO-CORR	YES	38700.14		31.22	7.61	38.83	10160	Valve	38700.14	Valve	27295.78	36	0.312	52	0.19	0.06	1.89	0.51	6:33	335	1057	761	649	0.44	1.17							1598	Metal Loss		
12157	CLUSTER	YES	38702.32		33.4	5.44	38.83	10160	Valve	38702.32	Valve	27293.6	36	0.312	52	0.15	0.05	8.21	1.07	0.245139	335	997	718	649	0.47	1.11							1250	Unknown		
12161	MELO-CORR	YES	38703.23		34.31	4.52	38.83	10160	Valve	38703.23	Valve	27292.69	36	0.312	52	0.15	0.05	1.10	0.20	0.273611	335	1070	770	649	0.43	1.19							1598	Metal Loss		
12162	GirthWeld		38707.75		38.83	39.78	39.77	10170	Valve	38707.75	Valve	27288.17	36	0.312	52					0.055556	335			649									1250	Unknown		
12164	CLUSTER	YES	38717.82		10.07	29.7	39.77	10170	Valve	38717.82	Valve	27278.1	36	0.312	52	0.18	0.06	1.68	0.50	6:49	335	1061	764	649	0.44	1.18							1250	Unknown		
12167	CLUSTER	YES	38719.15		11.4	28.38	39.77	10170	Valve	38719.15	Valve	27276.77	36	0.312	52	0.16	0.05	2.92	0.63	6:46	335	1046	753	649	0.44	1.16							1250	Unknown		
12170	GirthWeld		38747.53		39.78	39.83	39.83	10180	Valve	38747.53	Valve	27248.39	36	0.312	52					0.430556	335			649									1250	Unknown		
12171	GirthWeld		38787.36		39.83	39.79	39.8	10190	Valve	38787.36	Valve	27208.56	36	0.312	52					0.070833	335			649									1250	Unknown		
12172	GirthWeld		38827.15		39.79	36.09	36.09	10200	Valve	38827.15	Valve	27168.77	36	0.312	52					0.444444	335			649									1250	Unknown		
12173	GirthWeld		38863.24		36.09	39.81	39.8	10210	Valve	38863.24	Valve	27132.68	36	0.312	52					1:12	335			649									1250	Unknown		
12174	GirthWeld		38903.05		39.81	39.85	39.85	10220	Valve	38903.05	Valve	27092.87	36	0.312	52					10:36	335			649									1250	Unknown		
12175	GirthWeld		38942.9		39.85	39.83	39.83	10230	Valve	38942.9	Valve	27053.02	36	0.312	52					0.043056	335			649									1250	Unknown		
12176	GirthWeld		38982.73		39.83	35.6	35.6	10240	Valve	38982.73	Valve	27013.19	36	0.312	52					0.429167	335			649									1250	Unknown		
12177	GirthWeld		39018.33		35.6	38.56	38.56	10250	Valve	39018.33	Valve	26977.59	36	0.312	52					0.538889	335			649									1250	Unknown		
12178	GirthWeld		39056.89		38.56	39.76	39.76	10260	Valve	39056.89	Valve	26939.03	36	0.312	52					11:02	335			649									1250	Unknown		
12179	GirthWeld		39096.65		39.76	39.81	39.81	10270	Valve	39096.65	Valve	26899.27	36	0.312	52					1:22	335			649									1250	Unknown		
12180	GirthWeld		39136.46		39.81	39.78	39.78	10280	Valve	39136.46	Valve	26859.46	36	0.312	52					0.447222	335			649									1250	Unknown		
12181	GirthWeld		39176.24		39.78	39.23	39.23	10290	Valve	39176.24	Valve	26819.68	36	0.312	52					0.059722	335			649									1250	Unknown		
12182	MELO-CORR	YES	39197.15		20.91	18.32	39.23	10290	Valve	39197.15	Valve	26798.77	36	0.312	52	0.15	0.05	1.18	0.24	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12183	GirthWeld		39215.47		39.23	39.8	39.8	10300	Valve	39215.47	Valve	26780.45	36	0.312	52					10:56	335			649									1250	Unknown		
12184	GirthWeld		39255.27		39.8	39.82	39.82	10310	Valve	39255.27	Valve	26740.65	36	0.312	52					1:34	335			649									1250	Unknown		
12185	GirthWeld		39295.09		39.82	39.81	39.81	10320	Valve	39295.09	Valve	26700.83	36	0.312	52					0.45	335			649									1250	Unknown		
12186	GirthWeld		39334.9		39.81	38.82	38.82	10330	Valve	39334.9	Valve	26661.02	36	0.312	52					0.540278	335			649									1250	Unknown		
12187	GirthWeld		39373.72		38.82	39.8	39.8	10340	Valve	39373.72	Valve	26622.2	36	0.312	52					0.461111	335			649									1250	Unknown		
12188	GirthWeld		39413.52		39.8	39.8	39.8	10350	Valve	39413.52	Valve	26582.4	36	0.312	52					12:52	335			649									1250	Unknown		
12189	GirthWeld		39453.32		39.8	39.79	39.8	10360	Valve	39453.32	Valve	26542.6	36	0.312	52					10:56	335			649									1250	Unknown		
12190	GirthWeld		39493.11		39.79	39.82	39.81	10370	Valve	39493.11	Valve	26502.81	36	0.312	52					0.052778	335			649									1250	Unknown		
12191	GirthWeld		39532.93		39.82	39.8	39.8	10380	Valve	39532.93	Valve	26462.99	36	0.312	52					0.444444	335			649									1250	Unknown		
12192	GirthWeld		39572.73		39.8	39.79	39.79	10390	Valve	39572.73	Valve	26423.19	36	0.312	52					0.052778	335			649									1250	Unknown		
12193	GirthWeld		39612.52		39.79	39.87	39.87	10400	Valve	39612.52	Valve	26383.4	36	0.312	52					10:40

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
12210	GirthWeld		40124.15		39.91	39.39	39.39	10530	Valve	40124.15	Valve	25871.77	36	0.312	52					1:04	335			649									1250	Unknown		
12211	GirthWeld		40163.54		39.39	39.45	39.45	10540	Valve	40163.54	Valve	25832.38	36	0.312	52					10:58	335			649									1250	Unknown		
12212	GirthWeld		40202.99		39.45	39.71	39.71	10550	Valve	40202.99	Valve	25792.93	36	0.312	52					0.530556	335			649									1250	Unknown		
12213	GirthWeld		40242.7		39.71	39.84	39.85	10560	Valve	40242.7	Valve	25753.22	36	0.312	52					0.461111	335			649									1250	Unknown		
12214	MIFE	n/a	40279.06		36.36	3.49	39.85	10560	Valve	40279.06	Valve	25716.86	36	0.312	52					0.444444	335			649									2167	Mill Anomaly		
12215	GirthWeld		40282.54		39.84	39.32	39.32	10570	Valve	40282.54	Valve	25713.38	36	0.312	52					1:12	335			649									1250	Unknown		
12216	GirthWeld		40321.86		39.32	39.84	39.84	10580	Valve	40321.86	Valve	25674.06	36	0.312	52					10:32	335			649									1250	Unknown		
12217	GirthWeld		40361.7		39.84	39.64	39.64	10590	Valve	40361.7	Valve	25634.22	36	0.312	52					0.058333	335			649									1250	Unknown		
12218	GirthWeld		40401.34		39.64	39.92	39.93	10600	Valve	40401.34	Valve	25594.58	36	0.312	52					0.436111	335			649									1250	Unknown		
12219	GirthWeld		40441.26		39.93	39.81	39.8	10610	Valve	40441.26	Valve	25554.65	36	0.312	52					0.058333	335			649									1250	Unknown		
12220	GirthWeld		40481.07		39.81	39.78	39.79	10620	Valve	40481.07	Valve	25514.85	36	0.312	52					10:46	335			649									1250	Unknown		
12221	GirthWeld		40520.85		39.78	39.75	39.74	10630	Valve	40520.85	Valve	25475.07	36	0.312	52					1:42	335			649									1250	Unknown		
12222	GirthWeld		40560.6		39.75	39.65	39.66	10640	Valve	40560.6	Valve	25435.32	36	0.312	52					0.45	335			649									1250	Unknown		
12223	GirthWeld		40600.25		39.65	39.92	39.92	10650	Valve	40600.25	Valve	25395.67	36	0.312	52					0.042361	335			649									1250	Unknown		
12224	MIFE	n/a	40621.82		21.57	18.35	39.92	10650	Valve	40621.82	Valve	25374.1	36	0.312	52					0.502778	335			649									2167	Mill Anomaly		
12225	GirthWeld		40640.17		39.92	39.79	39.79	10660	Valve	40640.17	Valve	25355.75	36	0.312	52					10:44	335			649									1250	Unknown		
12226	GirthWeld		40679.96		39.79	39.75	39.75	10670	Valve	40679.96	Valve	25315.96	36	0.312	52					12:58	335			649									1250	Unknown		
12227	GirthWeld		40719.71		39.75	38	38.01	10680	Valve	40719.71	Valve	25276.21	36	0.312	52					0.436806	335			649									1250	Unknown		
12228	GirthWeld		40757.71		38	39.46	39.46	10690	Valve	40757.71	Valve	25238.21	36	0.312	52					0.059722	335			649									1250	Unknown		
12229	GirthWeld		40797.17		39.46	39.77	39.76	10700	Valve	40797.17	Valve	25198.75	36	0.312	52					0.426389	335			649									1250	Unknown		
12230	GirthWeld		40836.94		39.77	39.77	39.77	10710	Valve	40836.94	Valve	25158.98	36	0.312	52					1:28	335			649									1250	Unknown		
12231	GirthWeld		40876.71		39.77	39.84	39.85	10720	Valve	40876.71	Valve	25119.21	36	0.312	52					10:52	335			649									1250	Unknown		
12232	GirthWeld		40916.55		39.84	39.19	39.19	10730	Valve	40916.55	Valve	25079.37	36	0.312	52					0.540278	335			649									1250	Unknown		
12233	GirthWeld		40955.74		39.19	39.74	39.74	10740	Valve	40955.74	Valve	25040.18	36	0.312	52					0.436111	335			649									1250	Unknown		
12234	GirthWeld		40995.48		39.74	39.81	39.81	10750	Valve	40995.48	Valve	25000.44	36	0.312	52					0.075	335			649									1250	Unknown		
12235	GirthWeld		41035.29		39.81	39.82	39.82	10760	Valve	41035.29	Valve	24960.63	36	0.312	52					10:22	335			649									1250	Unknown		
12236	GirthWeld		41075.11		39.82	39.76	39.76	10770	Valve	41075.11	Valve	24920.81	36	0.312	52					12:46	335			649									1250	Unknown		
12237	GirthWeld		41114.87		39.76	39.84	39.84	10780	Valve	41114.87	Valve	24881.05	36	0.312	52					0.444444	335			649									1250	Unknown		
12238	GirthWeld		41154.71		39.84	39.84	39.84	10790	Valve	41154.71	Valve	24841.21	36	0.312	52					0.049306	335			649									1250	Unknown		
12239	GirthWeld		41194.55		39.84	38.96	38.96	10800	Valve	41194.55	Valve	24801.37	36	0.312	52					0.440278	335			649									1250	Unknown		
12240	GirthWeld		41233.51		38.96	39.85	39.84	10810	Valve	41233.51	Valve	24762.41	36	0.312	52					1:17	335			649									1250	Unknown		
12241	GirthWeld		41273.36		39.85	38.9	38.9	10820	Valve	41273.36	Valve	24722.56	36	0.312	52					10:46	335			649									1250	Unknown		
12242	GirthWeld		41312.26		38.9	36.56	36.56	10830	Valve	41312.26	Valve	24683.66	36	0.312	52					0.044444	335			649									1250	Unknown		
12243	GirthWeld		41348.82		36.56	39.42	39.42	10840	Valve	41348.82	Valve	24647.1	36	0.312	52					0.456944	335			649									1250	Unknown		
12244	GirthWeld		41388.24		39.42	39.75	39.76	10850	Valve	41388.24	Valve	24607.68	36	0.312	52					0.529167	335			649									1250	Unknown		
12245	GirthWeld		41427.99		39.75	39.84	39.84	10860	Valve	41427.99	Valve	24567.93	36	0.312	52					10:59	335			649									1250	Unknown		
12247	CLUSTER	YES	41449.93		21.94	17.91	39.84	10860	Valve	41449.93	Valve	24545.99	36	0.312	52	0.21	0.07	18.98	2.89	5:08	335	922	664	649	0.50	1.08							1250	Unknown		
12256	CLUSTER	YES	41459.12		31.13	8.71	39.84	10860	Valve	41459.12	Valve	24536.8	36	0.312	52	0.17	0.05	43.40	5.15	0.2125	335	935	673	649	0.50	1.07							1250	Unknown		
12284	GirthWeld		41467.83		39.85	39.79	39.8	10870	Valve	41467.83	Valve	24528.08	36	0.312	52					0.052778	335			649									1250	Unknown		
12285	MELO-CORR	YES	41488.77		20.94	18.86	39.8	10870	Valve	41488.77	Valve	24507.15	36	0.312	52	0.16	0.05	1.22	0.51	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12286	MELO-CORR	YES	41492.17		24.34	15.46	39.8	10870	Valve	41492.17	Valve	24503.75	36	0.312	52	0.17	0.05	1.10	0.20	5:53	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12287	MELO-CORR	YES	41505.62		37.79	2.01	39.8	10870	Valve	41505.62	Valve	24490.3	36	0.312	52	0.15	0.05	1.14	0.24	6:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12288	GirthWeld		41507.63		39.8	39.85	39.85	10880	Valve	41507.63	Valve	24488.29	36	0.312	52					0.438889	335			649									1250	Unknown		
12289	MIFE	n/a	41534.85		27.22	12.64	39.85	10880	Valve	41534.85	Valve	24461.07	36	0.312	52					0.419444	335			649									2167	Mill Anomaly		
12290	GirthWeld		41547.48		39.85	39.67	39.66	10890	Valve	41547.48	Valve	24448.44	36	0.312	52					0.529167	335			649									1250	Unknown		
12291	GirthWeld		41587.15		39.67	39.9	39.9	10900	Valve	41587.15	Valve	24408.77	36	0.312	52					11:26	335			649									1250	Unknown		
12292	GirthWeld		41627.05		39.9	29.85	29.85	10910	Valve	41627.05	Valve	24368.87	36	0.312	52					2:05	335			649									1250	Unknown		
12293	GirthWeld		41656.9		29.85	39.77	39.77	10920	Valve	41656.9	Valve	24339.02	36	0.312	52					0.491667	335			649									1250	Unknown		
12294	GirthWeld		41696.67		39.77	38.25	38.25	10930	Valve	41696.67	Valve	24299.25	36	0.312	52					0.063889	335			649									1250	Unknown		
12295	GirthWeld		41734.92		38.25	39.32	39.32	10940	Valve	41734.92	Valve	24261	36	0.312	52					0.45	335			649									1250	Unknown		
12296	GirthWeld		41774.24		39.32	5.15	5.15	10950	Valve	41774.24	Valve	24221.68	36	0.312	52					12:06	335			649									1250	Unknown		
12297	GirthWeld		41779.39		5.15	39.47	39.47	10960	Valve	41779.39	Valve	24216.53	36	0.312	52					10:26	335			649									1250	Unknown		
12298	GirthWeld		41818.86		39.47	38.54	38.54	10970	Valve	41818.86	Valve	24177.06	36	0.312	52					0.494444	335			649									1250	Unknown		
12299	GirthWeld		41857.4		38.54	39.92	39.92	10980	Valve	41857.4	Valve	24138.52	36	0.312	52					0.519444	335			649									1250	Unknown		
12300	MELO-CORR	YES	41894.39		36.99	2.94	39.92	10980	Valve	41894.39	Valve	24101.53	36	0.312	52	0.2	0.06	1.10	0.24	0.25625	335	1068	769	649	0.44	1.18							1598	Metal Loss		
12301	GirthWeld		41897.32		39.92	14.93	14.93	10990	Valve	41897.32	Valve	24098.6	36	0.312	52					10:32	335			649									1250	Unknown		
12302	GirthWeld		41912.25		14.93	39.74	39.74	11000	Valve	41912.25	Valve	24083.67	36	0.312	52					11:50	335			649									1250	Unknown		
12303	GirthWeld		41951.99		39.74	39.86	39.86	11010	Valve	41951.99	Valve	24043.93	36	0.312	52					0.459722	335			649									1250	Unknown		
12304	GirthWeld		41991.85		39.86	36.86	36.85	11020	Valve	41991.85	Valve	24004.07	36	0.312	52					0.098611	335			649									1250	Unknown		
12305	GirthWeld		42028.71		36.86	39.91	39.92	11030	Valve	42028.71	Valve	23967.21	36	0.312	52					0.061111	335			649									1250	Unknown		
12307	CLUSTER	YES	42058.05		29.34	10.58	39.92	11030	Valve	42058.05	Valve	23937.87	36	0.312	52	0.18	0.06	6.82	1.98	5:56	335	991	713	649	0.47	1.12							1250	Unknown		
12311	GirthWeld		42068.62		39.91	39.84	39.84	11040	Valve	42068.62	Valve	23927.3	36	0.312	52					10:08	335			649									1250	Unknown		
12312	MELO-CORR	YES	42084.29		15.67	24.17	39.84	11040	Valve	42084.29	Valve	23911.63	36	0.312	52	0.15	0.05	1.22	0.20	0.254861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
12314	CLUSTER	YES	42097.96		29.34	10.5	39.84	11040	Valve	42097.96	Valve	23897.96	36	0.312	52	0.15	0.05	8.20	2.20	0.252083	335	997	718	649	0.47	1.12							1250	Unknown		
12318	GirthWeld		42108.46		39.84	38.2	38.2	11050	Valve	42108.46	Valve	23887.46	36	0.312	52					0.4	335			649								Reduced Data Quality	1250	Unknown		
12319	MELO-CORR	YES	42109.04		0.58	37.62	38.2	11050	Valve	42109.04	Valve	23886.88	36	0.312	52	0.17	0.05	1.18	0.16	5:14	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12321	CLUSTER	YES	42109.08		0.62	37.58	38.2	11050	Valve	42109.08	Valve	23886.84	36	0.312	52	0.15	0.05	2.76	2.20	6:21	335	1050	756	649	0.44	1.17							1250	Unknown		
12324	CLUSTER	YES	42110.62		2.16	36.04	38.2	11050	Valve	42110.62	Valve	23885.3	36	0.312	52	0.19	0.06	3.16	0.32	0.265972	335	1035	745	649	0.45	1.16							1250	Unknown		
12326	MELO-CORR	YES	42112.7		4.24	33.96	38.2	11050	Valve	42112.7	Valve	23883.22	36	0.312	52	0.17	0.05	1.10	0.28	0.275	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12327	MELO-CORR	YES	42114		5.54	32.66	38.2	11050	Valve	42114	Valve	23881.92	36	0.312	52	0.17	0.05	1.14	0.16	0.293056	335	1069	769	649	0.44	1.19							1598	Metal Loss		
12328	MELO-CORR	YES	42114.69		6.23	31.97	38.2	11050	Valve	42114.69	Valve	23881.23	36	0.312	52	0.15	0.05	1.22	0.20	7:08	335	1069	769	649	0.44	1.19							1598	Metal Loss		
12329	MELO-CORR	YES	42114.82		6.36	31.84	38.2	11050	Valve	42114.82	Valve	23881.1	36	0.312	52	0.16	0.05	1.14	0.24	6:47	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12330	MELO-CORR	YES	42117.83		9.38	28.83	38.2	11050	Valve	42117.83	Valve	23878.08	36	0.312	52	0.19	0.06	1.10	0.20	0.300694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12332	CLUSTER	YES	42118.64		10.18	28.02	38.2	11050	Valve	42118.64	Valve	23877.28	36	0.312	52	0.19	0.06	2.92	0.32	0.18125	335	1040	748	649	0.45	1.16							1250	Unknown		
12335	CLUSTER	YES	42121.04		12.58	25.62	38.2	11050	Valve	42121.04	Valve	23874.88	36	0.312	52	0.15	0.05	6.97	1.73	0.322917	335	1005	723	649	0.46	1.12							1250	Unknown		
12340	MELO-CORR	YES	42123.51		15.05	23.16	38.2	11050	Valve	42123.51	Valve	23872.41	36	0.312	52	0.18	0.06	1.14	0.16	6:52	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12341	GirthWeld		42146.66		38.2	39.35	39.35	11060	Valve	42146.66	Valve	23849.26	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12342	GirthWeld		42186.01		39.35	34.46	34.46	11070	Valve	42186.01	Valve	23809.91	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12344	CLUSTER	YES	42192.81		6.8	27.66	34.46	11070	Valve	42192.81	Valve	23803.11	36	0.312	52	0.16	0.05	8.10	1.51	0.255556	335	992	714	649	0.47	1.12							1250	Unknown		
12348	CLUSTER	YES	42193.67		7.66	26.8	34.46	11070	Valve	42193.67	Valve	23802.25	36	0.312	52	0.17	0.05	77.64	5.84	0.242361	335	926	667	649	0.50	1.06							1250	Unknown		
12426	CLUSTER	YES	42200.22		14.21	20.24	34.46	11070	Valve	42200.22	Valve	23795.7	36	0.312	52	0.16	0.05	10.88	5.18	5:50	335	978	704	649	0.48	1.10							1250	Unknown		
12441	CLUSTER	YES	42201.36		15.35	19.1	34.46	11070	Valve	42201.36	Valve	23794.56	36	0.312	52	0.15	0.05	81.86	4.56	5:50	335	943	679	649	0.49	1.07							1250	Unknown		
12508	CLUSTER	YES	42209.99		23.98	10.48	34.46	11070	Valve	42209.99	Valve	23785.93	36	0.312	52	0.21	0.07	13.42	4.62	0.244444	335	935	673	649	0.50	1.09							1250	Unknown		
12525	CLUSTER	YES	42211.01		25	9.45	34.46	11070	Valve	42211.01	Valve	23784.91	36	0.312	52	0.22	0.07	38.75	4.02	0.243056	335	896	645	649	0.52	1.07							1250	Unknown		
12528	CLUSTER	YES	42211.26		25.25	9.21	34.46	11070	Valve	42211.26	Valve	23784.66	36	0.312	52	0.15	0.05	6.32	1.42	0.255556	335	1010	727	649	0.46	1.13							1250	Unknown		
12554	CLUSTER	YES	42214.76		28.75	5.7	34.46	11070	Valve	42214.76	Valve	23781.16	36	0.312	52	0.15	0.05	36.77	5.00	5:47	335	955	687	649	0.49	1.08							1250	Unknown		
12587	CLUSTER	YES	42218.03		32.02	2.44	34.46	11070	Valve	42218.03	Valve	23777.89	36	0.312	52	0.17	0.05	13.78	1.95	5:50	335	962	693	649	0.48	1.08							1250	Unknown		
12596	CLUSTER	YES	42219.05		33.04	1.42	34.46	11070	Valve	42219.05	Valve	23776.87	36	0.312	52	0.15	0.05	17.09	3.46	0.245833	335	970	698	649	0.48	1.09							1250	Unknown		
12605	GirthWeld		42220.47		34.46	39.83	39.83	11080	Valve	42220.47	Valve	23775.45	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12607	CLUSTER	YES	42220.59		0.12	39.71	39.83	11080	Valve	42220.59	Valve	23775.33	36	0.312	52	0.16	0.05	13.30	3.52	0.247917	335	970	699	649	0.48	1.09							1250	Unknown		
12617	MELO-CORR	YES	42222.5		2.03	37.8	39.83	11080	Valve	42222.5	Valve	23773.42	36	0.312	52	0.17	0.05	1.14	0.20	5:56	335	1069	769	649	0.44	1.19							1598	Metal Loss		
12619	CLUSTER	YES	42226.07		5.6	34.22	39.83	11080	Valve	42226.07	Valve	23769.85	36	0.312	52	0.17	0.05	12.47	2.23	5:52	335	966	695	649	0.48	1.10							1250	Unknown		
12625	CLUSTER	YES	42229.44		8.97	30.86	39.83	11080	Valve	42229.44	Valve	23766.48	36	0.312	52	0.15	0.05	80.63	5.59	0.242361	335	943	679	649	0.49	1.06							1250	Unknown		
12690	GirthWeld		42260.3		39.83	39.69	39.7	11090	Valve	42260.3	Valve	23735.62	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12691	MIFE	n/a	42263.41		3.11	36.58	39.7	11090	Valve	42263.41	Valve	23732.51	36	0.312	52					0.1	335			649									2167	Mill Anomaly		
12692	GirthWeld		42299.99		39.69	39.51	39.5	11100	Valve	42299.99	Valve	23695.93	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12693	MIFE	n/a	42310.52		10.53	28.98	39.5	11100	Valve	42310.52	Valve	23685.4	36	0.312	52					2:19	335			649									2167	Mill Anomaly		
12695	CLUSTER	YES	42311.65		11.66	27.85	39.5	11100	Valve	42311.65	Valve	23684.27	36	0.312	52	0.17	0.05	16.60	5.25	0.244444	335	956	688	649	0.49	1.09							1250	Unknown		
12714	MELO-CORR	YES	42314.26		14.27	25.24	39.5	11100	Valve	42314.26	Valve	23681.66	36	0.312	52	0.16	0.05	1.22	0.20	0.260417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
12715	MELO-CORR	YES	42319.25		19.26	20.24	39.5	11100	Valve	42319.25	Valve	23676.67	36	0.312	52	0.16	0.05	0.87	0.24	0.261111	335	1071	771	649	0.43	1.19							1598	Metal Loss		
12716	MELO-CORR	YES	42323.47		23.48	16.03	39.5	11100	Valve	42323.47	Valve	23672.45	36	0.312	52	0.15	0.05	1.18	0.20	6:08	335	1069	770	649	0.44	1.19							1598	Metal Loss		
12718	CLUSTER	YES	42324.17		24.18	15.33	39.5	11100	Valve	42324.17	Valve	23671.75	36	0.312	52	0.21	0.07	4.20	1.67	6:08	335	1011	728	649	0.46	1.14							1250	Unknown		
12723	CLUSTER	YES	42330.44		30.45	9.06	39.5	11100	Valve	42330.44	Valve	23665.48	36	0.312	52	0.18	0.06	3.84	0.50	0.260417	335	1027	739	649	0.45	1.15							1250	Unknown		
12726	CLUSTER	YES	42333.42		33.43	6.07	39.5	11100	Valve	42333.42	Valve	23662.5	36	0.312	52	0.19	0.06	10.01	1.82	0.255556	335	963	693	649	0.48	1.08							1250	Unknown		
12734	CLUSTER	YES	42335.02		35.03	4.47	39.5	11100	Valve	42335.02	Valve	23660.9	36	0.312	52	0.16	0.05	10.64	2.96	0.255556	335	979	705	649	0.48	1.10							1250	Unknown		
12744	CLUSTER	YES	42336.92		36.93	2.58	39.5	11100	Valve	42336.92	Valve	23659	36	0.312	52	0.16	0.05	28.88	6.00	5:47	335	951	685	649	0.49	1.08							1250	Unknown		
12785	GirthWeld		42339.5		39.51	39.77	39.77	11110	Valve	42339.5	Valve	23656.42	36	0.312	52					UNKN	335			649								From XGP, Reduced Data Quality	1250	Unknown		
12787	CLUSTER	YES	42340.03		0.53	39.23	39.77	11110	Valve	42340.03	Valve	23655.89	36	0.312	52	0.28	0.09	51.62	8.58	0.238889	335	837	603	649	0.56	1.06							1250	Unknown		
12792	CLUSTER	YES	42340.26		0.76	39.01	39.77	11110	Valve	42340.26	Valve	23655.66	36	0.312	52	0.2	0.06	4.54	1.82	0.270833	335	1009	727	649	0.46	1.13							1250	Unknown		
12851	CLUSTER	YES	42345.29		5.79	33.97	39.77	11110	Valve	42345.29	Valve	23650.63	36	0.312	52	0.29	0.09	19.30	4.37	0.248611

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)								(feet)					
12926	GirthWeld		42609.85		39.77	39.25	39.24	11180	Valve	42609.85	Valve	23386.07	36	0.312	52					12:33	335			649										1250	Unknown		
12927	GirthWeld		42649.1		39.25	39.79	39.8	11190	Valve	42649.1	Valve	23346.82	36	0.312	52					1:14	335			649										1250	Unknown		
12928	GirthWeld		42688.89		39.79	39.88	39.88	11200	Valve	42688.89	Valve	23307.03	36	0.312	52					0.327778	335			649										1250	Unknown		
12929	GirthWeld		42728.77		39.88	39.77	39.77	11210	Valve	42728.77	Valve	23267.15	36	0.312	52					0.440278	335			649										1250	Unknown		
12930	GirthWeld		42768.54		39.77	39.82	39.82	11220	Valve	42768.54	Valve	23227.38	36	0.312	52					0.530556	335			649										1250	Unknown		
12931	GirthWeld		42808.36		39.82	30.91	30.91	11230	Valve	42808.36	Valve	23187.56	36	0.312	52					11:44	335			649										1250	Unknown		
12932	GirthWeld		42839.27		30.91	39.84	39.84	11240	Valve	42839.27	Valve	23156.65	36	0.312	52					9:58	335			649										1250	Unknown		
12933	MELO-CORR	YES	42854.26		14.99	24.85	39.84	11240	Valve	42854.26	Valve	23141.66	36	0.312	52	0.16	0.05	1.18	0.24	0.254167	335	1069	769	649	0.44	1.19								1598	Metal Loss		
12934	MELO-CORR	YES	42864.56		25.29	14.55	39.84	11240	Valve	42864.56	Valve	23131.36	36	0.312	52	0.15	0.05	1.22	0.24	0.227778	335	1069	769	649	0.44	1.19								1598	Metal Loss		
12935	MELO-CORR	YES	42866.41		27.14	12.7	39.84	11240	Valve	42866.41	Valve	23129.51	36	0.312	52	0.16	0.05	1.10	0.20	0.270139	335	1069	770	649	0.44	1.19								1598	Metal Loss		
12936	MELO-CORR	YES	42872.97		33.7	6.14	39.84	11240	Valve	42872.97	Valve	23122.95	36	0.312	52	0.19	0.06	1.14	0.24	5:57	335	1067	769	649	0.44	1.18								1598	Metal Loss		
12937	MELO-CORR	YES	42875.99		36.72	3.12	39.84	11240	Valve	42875.99	Valve	23119.93	36	0.312	52	0.18	0.06	1.18	0.43	6:08	335	1068	769	649	0.44	1.18								1598	Metal Loss		
12938	GirthWeld		42879.11		39.84	39.97	39.97	11250	Valve	42879.11	Valve	23116.81	36	0.312	52					0.328472	335			649										1250	Unknown		
12940	CLUSTER	YES	42885.19		6.08	33.89	39.97	11250	Valve	42885.19	Valve	23110.73	36	0.312	52	0.17	0.05	1.73	1.16	0.329167	335	1061	764	649	0.44	1.18							near seam weld	1250	Unknown		
12942	LWFE-CORR	YES	42889.43		10.32	29.64	39.97	11250	Valve	42889.43	Valve	23106.49	36	0.312	52	0.17	0.05	1.06	0.24	0.328472	335	1069	770	649	0.44	1.19	Group 3	h						1598	Metal Loss		
12944	CLUSTER	YES	42891.43		12.32	27.65	39.97	11250	Valve	42891.43	Valve	23104.49	36	0.312	52	0.17	0.05	8.94	1.26	6:03	335	981	706	649	0.47	1.11								1250	Unknown		
12948	CLUSTER	YES	42893.78		14.67	25.3	39.97	11250	Valve	42893.78	Valve	23102.14	36	0.312	52	0.15	0.05	3.40	0.38	8:14	335	1041	750	649	0.45	1.16								1250	Unknown		
12951	CLUSTER	YES	42896.24		17.13	22.83	39.97	11250	Valve	42896.24	Valve	23099.68	36	0.312	52	0.17	0.05	19.15	5.31	0.240972	335	952	685	649	0.49	1.08								1250	Unknown		
12974	CLUSTER	YES	42898.58		19.47	20.49	39.97	11250	Valve	42898.58	Valve	23097.34	36	0.312	52	0.15	0.05	13.14	5.18	0.225694	335	977	704	649	0.48	1.10								1250	Unknown		
12984	GirthWeld		42919.08		39.97	37.26	37.26	11260	Valve	42919.08	Valve	23076.84	36	0.312	52					0.077778	335			649										1250	Unknown		
12986	CLUSTER	YES	42923.74		4.65	32.6	37.26	11260	Valve	42923.74	Valve	23072.18	36	0.312	52	0.29	0.09	11.89	3.65	5:49	335	885	637	649	0.53	1.07								1250	Unknown		
12992	CLUSTER	YES	42931.57		12.49	24.77	37.26	11260	Valve	42931.57	Valve	23064.35	36	0.312	52	0.17	0.05	12.37	1.54	6:17	335	966	696	649	0.48	1.09								1250	Unknown		
12999	CLUSTER	YES	42932.97		13.89	23.37	37.26	11260	Valve	42932.97	Valve	23062.95	36	0.312	52	0.18	0.06	7.86	2.42	0.247222	335	982	707	649	0.47	1.11								1250	Unknown		
13004	CLUSTER	YES	42936.07		16.99	20.27	37.26	11260	Valve	42936.07	Valve	23059.85	36	0.312	52	0.17	0.05	13.75	2.96	0.245139	335	962	693	649	0.48	1.08								1250	Unknown		
13015	CLUSTER	YES	42938.93		19.85	17.41	37.26	11260	Valve	42938.93	Valve	23056.99	36	0.312	52	0.17	0.05	2.45	0.76	0.193056	335	1051	757	649	0.44	1.17								1250	Unknown		
13018	CLUSTER	YES	42940.47		21.39	15.87	37.26	11260	Valve	42940.47	Valve	23055.45	36	0.312	52	0.15	0.05	8.77	1.23	5:47	335	994	715	649	0.47	1.10								1250	Unknown		
13023	GirthWeld		42956.34		37.26	39.77	39.77	11270	Valve	42956.34	Valve	23039.58	36	0.312	52					2:40	335			649										1250	Unknown		
13024	GirthWeld		42996.11		39.77	38.44	38.44	11280	Valve	42996.11	Valve	22999.81	36	0.312	52					0.495833	335			649										1250	Unknown		
13025	GirthWeld		43034.55		38.44	39.78	39.78	11290	Valve	43034.55	Valve	22961.37	36	0.312	52					0.3875	335			649										1250	Unknown		
13026	MIFE	n/a	43038.16		3.61	36.17	39.78	11290	Valve	43038.16	Valve	22957.76	36	0.312	52					0.505556	335			649										2167	Mill Anomaly		
13027	GirthWeld		43074.33		39.78	39.72	39.72	11300	Valve	43074.33	Valve	22921.59	36	0.312	52					10:32	335			649										1250	Unknown		
13028	GirthWeld		43114.05		39.72	38.06	38.06	11310	Valve	43114.05	Valve	22881.87	36	0.312	52					11:08	335			649										1250	Unknown		
13029	GirthWeld		43152.11		38.06	38.51	38.51	11320	Valve	43152.11	Valve	22843.81	36	0.312	52					0.056944	335			649										1250	Unknown		
13030	GirthWeld		43190.62		38.51	39.02	39.02	11330	Valve	43190.62	Valve	22805.3	36	0.312	52					0.106944	335			649										1250	Unknown		
13031	GirthWeld		43229.64		39.02	39.74	39.74	11340	Valve	43229.64	Valve	22766.28	36	0.312	52					0.38125	335			649										1250	Unknown		
13032	MELO-CORR	YES	43238.17		8.53	31.22	39.74	11340	Valve	43238.17	Valve	22757.75	36	0.312	52	0.17	0.05	1.14	0.43	6:07	335	1069	769	649	0.44	1.19								1598	Metal Loss		
13034	CLUSTER	YES	43243.07		13.43	26.31	39.74	11340	Valve	43243.07	Valve	22752.85	36	0.312	52	0.25	0.08	5.90	2.26	5:55	335	967	696	649	0.48	1.12								1250	Unknown		
13037	GirthWeld		43269.38		39.74	38.81	38.81	11350	Valve	43269.38	Valve	22726.54	36	0.312	52					0.472222	335			649										1250	Unknown		
13038	GirthWeld		43308.19		38.81	39.84	39.84	11360	Valve	43308.19	Valve	22687.73	36	0.312	52					0.052778	335			649										1250	Unknown		
13039	GirthWeld		43348.03		39.84	39.79	39.79	11370	Valve	43348.03	Valve	22647.89	36	0.312	52					0.533333	335			649										1250	Unknown		
13041	CLUSTER	YES	43369.73		21.7	18.09	39.79	11370	Valve	43369.73	Valve	22626.19	36	0.312	52	0.21	0.07	18.16	2.58	6:07	335	923	665	649	0.50	1.09								1250	Unknown		
13049	GirthWeld		43387.82		39.79	39.64	39.64	11380	Valve	43387.82	Valve	22608.1	36	0.312	52					11:32	335			649										1250	Unknown		
13050	GirthWeld		43427.46		39.64	38.27	38.27	11390	Valve	43427.46	Valve	22568.46	36	0.312	52					0.4	335			649										1250	Unknown		
13051	GirthWeld		43465.73		38.27	34.06	34.06	11400	Valve	43465.73	Valve	22530.19	36	0.312	52					0.077778	335			649										1250	Unknown		
13052	GirthWeld		43499.79		34.06	39.28	39.28	11410	Valve	43499.79	Valve	22496.13	36	0.312	52					0.538889	335			649										1250	Unknown		
13053	GirthWeld		43539.07		39.28	39.78	39.78	11420	Valve	43539.07	Valve	22456.85	36	0.312	52					10:24	335			649										1250	Unknown		
13054	GirthWeld		43578.85		39.78	31.05	31.06	11430	Valve	43578.85	Valve	22417.07	36	0.312	52					11:20	335			649										1250	Unknown		
13055	GirthWeld		43609.9		31.05	37.36	37.36	11440	Valve	43609.9	Valve	22386.02	36	0.312	52					0.05625	335			649										1250	Unknown		
13056	GirthWeld		43647.26		37.36	38.36	38.36	11450	Valve	43647.26	Valve	22348.66	36	0.312	52					0.534722	335			649										1250	Unknown		
13057	GirthWeld		43685.62		38.36	39.41	39.42	11460	Valve	43685.62	Valve	22310.3	36	0.312	52					0.472222	335			649										1250	Unknown		
13058	GirthWeld		43725.03		39.41	38.6	38.6	11470	Valve	43725.03	Valve	22270.89	36	0.312	52					10:52	335			649										1250	Unknown		
13059	GirthWeld		43763.63		38.6	39.83	39.83	11480	Valve	43763.63	Valve	22232.29	36	0.312	52					1:16	335			649										1250	Unknown		
13060	GirthWeld		43803.46		39.83	39.32	39.32	11490	Valve	43803.46	Valve	22192.46	36	0.312	52					0.529167	335			649										1250	Unknown		
13061	GirthWeld		43842.78		39.32	39.81	39.81	11500	Valve	43842.78	Valve	22153.14	36	0.312	52					0.45	335			649										1250	Unknown		
13062	GirthWeld		43882.59		39.81	39.76	39.76	11510	Valve	43882.59	Valve	22113.33	36	0.312	52					0.430556	335			649										1250	Unknown		
13063	GirthWeld		43922.35		39.76	39.82	39.82	11520	Valve	43922.35	Valve	22073.57	36	0.312	52					1:36	335			649										1250	Unknown		
13064	GirthWeld		43962.17		39.82	38.69	38.68	11530	Valve	43962.17	Valve	22033.75	36	0.312	52					12:58	335			649										1250	Unknown		
13065	GirthWeld		44000.86		38.69	39.79	39.79	11540	Valve	44000.86	Valve	21995.06	36	0.312	52					0.486111	335			649										1250	Unknown		
13066	GirthWeld		44040.65		39.79	38.46	38.46	11550	Valve	44040.65	Valve	21955.27	36	0.312	52					0.442361	335			649										1250	Unknown		
13067	GirthWeld		44079.11		38.46	39.85	39.85	11560	Valve	44079.11	Valve	21916.81	36	0.312	52					0.065278	335			649										1250	Unknown		
13068	GirthWeld		44118.96		39.85	39.06	39.07	11570	Valve	44118.96	Valve	21876.96	36	0.312	52					12:52	335			649										1250	Unknown		
13069	GirthWeld		44158.02		39.06	39.12	39.12	11580	Valve	44158.02	Valve	21837.9	36	0.312	52					10:44	335			649										1250	Unknown		
13070	GirthWeld		44197.14		39.12	39.53	39.52	11590	Valve	44197.14	Valve	21798.78	36	0.312	52					0.411111	335			649										1250	Unknown		
13071	MIFE	n/a	44215.63		18.49	21.04	39.52	11590	Valve	44215.63	Valve	21780.29	36	0.312	52					0.131944	335			649										2167	Mill Anomaly		
13072	GirthWeld		44236.67		39.53	39.53	39.53	11600	Valve	44236.67	Valve	21759.25	36	0.312	52					0.4625	335			649										1250	Unknown		
13073	GirthWeld		44276.2		39.53	39.31	39.31	11610	Valve	44276.2	Valve	21719.72	36	0.312	52					11:58	335			649										1250	Unknown		
13075	CLUSTER	YES	44303.45		27.25	12.06	39.31	11610	Valve	44303.45	Valve	21692.47	36	0.312	52	0.15	0.05	5.18	1.23	5:51	335	1020	734	649	0.46	1.14								1250	Unknown		
13079	GirthWeld		44315.51		39.31	38.03	38.03	11620	Valve	44315.51	Valve	21680.41	36	0.312	52					0.081944	335			649										1250	Unknown		
13080	GirthWeld		44353.54		38.03	39.54	39.53	11630	Valve	44353.54	Valve	21642.38	36	0.312	52					0.538889	335			649										1250	Unknown		
13081	GirthWeld		44393.08		39.54	38.38	38.39	11640	Valve	44393.08	Valve	21602.84	36	0.312	52					0.459028	335			649										1250	Unknown		
13082	GirthWeld		44431.46		38.38	39.8	39.8	11650	Valve	44431.46	Valve	21564.46	36	0.312	52					11:50	335			649										1250	Unknown		
13083	GirthWeld		44471.26		39.81	39.78	39.78	11660	Valve	44471.26	Valve	21524.65	36	0.312	52					2:16	335			649										1250	Unknown		
13084	GirthWeld		44511.04		39.78	39.76	39.76	11670	Valve	44511.04	Valve	21484.88	36	0.312	52					0.061111	335			649										1250	Unknown		
13085	GirthWeld		44550.8		39.76	39.79	39.79	11680	Valve	44550.8	Valve	21445.12	36	0.312	52					0.475	335			649										1250	Unknown		
13086	GirthWeld		44590.59		39.79	39.58	39.58	11690	Valve	44590.59	Valve	21405.33	36	0.312	52					0.43125	335			649										1250	Unknown		
13087	GirthWeld		44630.17		39.58	39.87	39.87	11700	Valve	44630.17	Valve	21365.75	36	0.312	52					1:26	335			649										1250	Unknown		
13088	GirthWeld		44670.04		39.87	33.24	33.24	11710	Valve	44670.04	Valve	21325.88	36	0.312	52					2:14	335			649										1250	Unknown		
13089	MIFE	n/a	44698.6		28.56	4.68	33.24	11710	Valve	44698.6	Valve	21297.32	36	0.312	52					0.120833	335			649										2167	Mill Anomaly		
13090	GirthWeld		44703.28		33.24	39.88	39.89	11720	Valve	44703.28	Valve	21292.64	36	0.312	52					0.395833	335			649										1250	Unknown		
13091	LWFE-MIFE	n/a	44733.72		30.44	9.44	39.89	11720	Valve	44733.72	Valve	21262.2	36	0.312	52	0.22	0.07	0.71	0.16	0.397222	335			649										3421	Mill Wall Thinning		
13092	GirthWeld		44743.16		39.88	39.98	39.98	11730	Valve	44743.16	Valve	21252.76	36	0.312	52					10:10	335			649										1250	Unknown		
13094	CLUSTER	YES	44743.75		0.59	39.39	39.98	11730	Valve	44743.75	Valve	21252.17	36	0.312	52	0.2	0.06	2.69	1.10	6:01	335	1042	750	649	0.45	1.16								1250	Unknown		
13096	MELO-CORR	YES	44753.69		10.53	29.45	39.98	11730	Valve	44753.69	Valve	21242.23	36	0.312	52	0.15	0.05	1.14	0.20	0.2625	335	1069	770	649	0.44	1.19								1598	Metal Loss		
13097	MELO-CORR	YES	44756.81		13.65	26.33	39.98	11730	Valve	44756.81	Valve	21239.11	36	0.312	52	0.17	0.05	1.10	0.16	0.236111	335	1069	770	649	0.44	1.19								1598	Metal Loss		
13099	CLUSTER	YES	44765.61		22.45	17.53	39.98	11730	Valve	44765.61	Valve	21230.31	36	0.312	52	0.3	0.09	8.60	5.12	0.253472	335	904	651	649	0.51	1.05								1250	Unknown		
13107	CLUSTER	YES	44768.58		25.42	14.57	39.98	11730	Valve	44768.58	Valve	21227.34	36	0.312	52	0.15	0.05	12.66	2.17	5:33	335	979	705	649	0.48	1.10								1250	Unknown		
13113	CLUSTER	YES	44770.37		27.21	12.78	39.98	11730	Valve	44770.37	Valve	21225.55	36	0.312	52	0.22	0.07	18.77	2.99	5:20	335	915	659	649	0.51	1.08								1250	Unknown		
13122	CLUSTER	YES	44770.9		27.74	12.24	39.98	11730	Valve	44770.9	Valve	21225.02	36	0.312	52	0.19	0.06	5.75	1.13	0.25625	335	997	718	649	0.47	1.11								1250	Unknown		
13130	MELO-CORR	YES	44774.35		31.19	8.8	39.98	11730	Valve	44774.35	Valve	21221.57	36	0.312	52	0.24	0.08	1.10	0.20	0.273611	335	1066	767	649	0.44	1.18								1598	Metal Loss		
13132	CLUSTER	YES	44774.53		31.37	8.62	39.98	11730	Valve	44774.53	Valve	21221.39	36	0.312	52	0.15	0.05	32.00	2.92	0.261111	335	957	689	649	0.49	1.08								1250	Unknown		
13150	CLUSTER	YES	44777.33		34.17	5.81	39.98	11730	Valve	44777.33	Valve	21218.58	36	0.312	52	0.28	0.09	11.90	2.23	6:11	335	892	643	649	0.52	1.08								1250	Unknown		
13155	GirthWeld		44783.14		39.98	40	39.99	11740	Valve	44783.14	Valve	21212.78	36	0.312	52					1:51	335			649										1250	Unknown		
13157	CLUSTER	YES	44797.92		14.78	25.22	39.99	11740	Valve	44797.92	Valve	21198	36	0.312	52	0.22	0.07	10.04	2.73	0.232639	335	944	679	649	0.49	1.04								1250	Unknown		
13169	CLUSTER	YES	44802.64		19.5	20.49	39.99	11740	Valve	44802.64	Valve	21193.28	36	0.312	52	0.16	0.05	5.77	2.26	0.302083	335	1010	727	649	0.46	1.12								1250	Unknown		
13176	CLUSTER	YES	44806.47		23.33	16.66	39.99	11740	Valve	44806.47	Valve	21189.45	36	0.312	52	0.19	0.06	10.38	3.46	0.24375	335	961	692	649	0.48	1.09								1250	Unknown		
13184	MELO-CORR	YES	44809.78		26.64	13.36	39.99	11740	Valve	44809.78	Valve	21186.14	36	0.312	52	0.15	0.05	1.18	0.28	7:14	335	1069	770	649	0.44	1.19								1598	Metal Loss		
13186	CLUSTER	YES	44810.18		27.04	12.96	39.99	11740	Valve	44810.18	Valve	21185.74	36	0.312	52	0.19	0.06	15.32	4.75	5:43	335	944	680	649	0.49	1.08								1250	Unknown		
13198	GirthWeld		44823.14		40	39.74	39.74	11750	Valve	44823.14	Valve	21172.78	36	0.312	52					0.118056	335			649										1250	Unknown		
13200	CLUSTER	YES	44830.16		7.02	32.72	39.74	11750	Valve	44830.16	Valve	21165.76	36	0.312	52	0.15	0.05	1.38	1.07	0.24375	335	1067	768	649	0.44	1.18								1250	Unknown		
13203	CLUSTER	YES	44843.87		20.73	19.01	39.74	11750	Valve	44843.87	Valve	21152.05	36	0.312	52	0.16	0.05	28.04	4.40	0.238194	335	952	685	649	0.49	1.08								1250	Unknown		
13219	GirthWeld		44862.88		39.74	39.8	39.8	11760	Valve	44862.88	Valve	21133.04	36	0.312	52					12:16	335			649										1250	Unknown		
13220	MIFE	n/a	44867.02		4.14	35.66	39.8	11760	Valve	44867.02	Valve	21128.9	36	0.312	52					2:25	335			649										2167	Mill Anomaly		
13222	CLUSTER	YES	44875.47		12.6	27.2	39.8	11760	Valve	44875.47	Valve	21120.45	36	0.312	52	0.17	0.05	1.52	0.94	0.246528	335	1064	766	649	0.44	1.18								1250	Unknown		
13224	MELO-CORR	YES	44877.71		14.83	24.96	39.8	11760	Valve	44877.71	Valve	21118.21	36	0.312	52	0.19	0.06	1.10	0.47	0.241667	335	1068	769	649	0.44	1.19								1598	Metal Loss		
13226	CLUSTER	YES	44879.43		16.55	23.25	39.8	11760	Valve	44879.43	Valve	21116.49	36	0.312	52	0.16	0.05	4.69	1.82	0.246528	335	1022	736	649	0.46	1.14								1250	Unknown		
13230	CLUSTER	YES	44881.21		18.33	21.47	39.8	11760	Valve	44881.21	Valve	21114.71	36	0.312	52	0.19	0.06	4.66	4.18	5:46	335	1011	728	649	0.46	1.14								1250	Unknown		
13236	CLUSTER	YES	44881.83		18.95	20.85	39.8	11760	Valve	44881.83	Valve	21114.09	36	0.312	52	0.19	0.06	6.13	3.43	5:52	335	993	715	649	0.47	1.13								1250	Unknown		
13241	CLUSTER	YES	44885.65		22.77	17.03	39.8	11760	Valve	44885.65	Valve	21110.27	36	0.312	52	0.16	0.05	1.61	0.82	0.244444	335	1064	766	649	0.44	1.18								1250	Unknown		
13244	CLUSTER	YES	44887.27		24.39	15.41	39.8	11760	Valve	44887.27	Valve	21108.65	36	0.312	52	0.15	0.05	2.80	0.79	0.259028	335	1049	756	649	0.44	1.17								1250	Unknown		
13246	GirthWeld		44902.68		39.8	39.81	39.81	11770	Valve	44902

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
13257	MELO-CORR	YES	45133.88		3.1	36.69	39.79	11830	Valve	45133.88	Valve	20862.04	36	0.312	52	0.17	0.05	1.10	0.47	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13259	CLUSTER	YES	45166.02		35.24	4.55	39.79	11830	Valve	45166.02	Valve	20829.9	36	0.312	52	0.18	0.06	3.07	0.41	6:05	335	1039	748	649	0.45	1.16							1250	Unknown		
13262	CLUSTER	YES	45167.65		36.87	2.92	39.79	11830	Valve	45167.65	Valve	20828.27	36	0.312	52	0.15	0.05	5.09	0.88	0.252778	335	1021	735	649	0.46	1.13							1250	Unknown		
13265	CLUSTER	YES	45169.01		38.23	1.56	39.79	11830	Valve	45169.01	Valve	20826.91	36	0.312	52	0.3	0.09	2.58	1.01	0.25	335	1023	737	649	0.45	1.15							1250	Unknown		
13268	CLUSTER	YES	45169.43		38.65	1.14	39.79	11830	Valve	45169.43	Valve	20826.49	36	0.312	52	0.15	0.05	5.38	2.42	0.252778	335	1018	733	649	0.46	1.14							1250	Unknown		
13271	GirthWeld		45170.57		39.79	38.86	38.85	11840	Valve	45170.57	Valve	20825.35	36	0.312	52					11:04	335			649									1250	Unknown		
13272	GirthWeld		45209.43		38.86	39.43	39.43	11850	Valve	45209.43	Valve	20786.49	36	0.312	52					12:10	335			649									1250	Unknown		
13273	GirthWeld		45248.86		39.43	39.73	39.73	11860	Valve	45248.86	Valve	20747.06	36	0.312	52					0.075694	335			649									1250	Unknown		
13274	MELO-CORR	YES	45269.98		21.12	18.61	39.73	11860	Valve	45269.98	Valve	20725.94	36	0.312	52	0.17	0.05	1.18	0.20	0.250694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13275	GirthWeld		45288.59		39.73	39.74	39.75	11870	Valve	45288.59	Valve	20707.33	36	0.312	52					0.119444	335			649									1250	Unknown		
13276	GirthWeld		45328.33		39.75	30.43	30.43	11880	Valve	45328.33	Valve	20667.58	36	0.312	52					10:44	335			649									1250	Unknown		
13277	GirthWeld		45358.76		30.43	39.74	39.74	11890	Valve	45358.76	Valve	20637.16	36	0.312	52					12:08	335			649									1250	Unknown		
13278	GirthWeld		45398.5		39.74	36.9	36.9	11900	Valve	45398.5	Valve	20597.42	36	0.312	52					0.051389	335			649									1250	Unknown		
13279	GirthWeld		45435.4		36.9	37.17	37.17	11910	Valve	45435.4	Valve	20560.52	36	0.312	52					0.081944	335			649									1250	Unknown		
13280	MELO-CORR	YES	45464.22		28.82	8.35	37.17	11910	Valve	45464.22	Valve	20531.7	36	0.312	52	0.18	0.06	1.10	0.16	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13281	GirthWeld		45472.57		37.17	39.83	39.84	11920	Valve	45472.57	Valve	20523.35	36	0.312	52					10:30	335			649									1250	Unknown		
13283	CLUSTER	YES	45486.12		13.55	26.28	39.84	11920	Valve	45486.12	Valve	20509.8	36	0.312	52	0.17	0.05	2.50	0.69	5:58	335	1050	756	649	0.44	1.17							1250	Unknown		
13285	GirthWeld		45512.4		39.83	39.84	39.83	11930	Valve	45512.4	Valve	20483.52	36	0.312	52					0.5	335			649									1250	Unknown		
13287	CLUSTER	YES	45515.7		3.29	36.54	39.83	11930	Valve	45515.7	Valve	20480.22	36	0.312	52	0.24	0.08	3.53	1.60	0.247917	335	1014	730	649	0.46	1.13							1250	Unknown		
13290	MELO-CORR	YES	45521.71		9.31	30.52	39.83	11930	Valve	45521.71	Valve	20474.21	36	0.312	52	0.15	0.05	1.18	0.20	0.229167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13291	MELO-CORR	YES	45522.87		10.47	29.37	39.83	11930	Valve	45522.87	Valve	20473.05	36	0.312	52	0.15	0.05	1.14	0.20	5:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13292	MELO-CORR	YES	45524.48		12.08	27.75	39.83	11930	Valve	45524.48	Valve	20471.44	36	0.312	52	0.17	0.05	1.14	0.39	6:03	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13293	MELO-CORR	YES	45524.78		12.38	27.46	39.83	11930	Valve	45524.78	Valve	20471.14	36	0.312	52	0.17	0.05	1.22	0.24	0.254167	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13294	MELO-CORR	YES	45529.75		17.35	22.49	39.83	11930	Valve	45529.75	Valve	20466.17	36	0.312	52	0.18	0.06	1.18	0.20	0.221528	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13296	CLUSTER	YES	45532.03		19.63	20.21	39.83	11930	Valve	45532.03	Valve	20463.89	36	0.312	52	0.15	0.05	3.43	0.50	0.26875	335	1041	749	649	0.45	1.16							1250	Unknown		
13298	MELO-CORR	YES	45537.25		24.85	14.99	39.83	11930	Valve	45537.25	Valve	20458.67	36	0.312	52	0.17	0.05	1.18	0.20	6:03	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13299	GirthWeld		45552.24		39.84	39.47	39.48	11940	Valve	45552.24	Valve	20443.68	36	0.312	52					3:16	335			649									1250	Unknown		
13300	GirthWeld		45591.71		39.47	39.64	39.64	11950	Valve	45591.71	Valve	20404.21	36	0.312	52					0.083333	335			649									1250	Unknown		
13301	GirthWeld		45631.35		39.64	39.76	39.76	11960	Valve	45631.35	Valve	20364.57	36	0.312	52					0.461111	335			649									1250	Unknown		
13302	GirthWeld		45671.11		39.76	39.84	39.84	11970	Valve	45671.11	Valve	20324.81	36	0.312	52					0.491667	335			649									1250	Unknown		
13304	CLUSTER	YES	45700.63		29.52	10.32	39.84	11970	Valve	45700.63	Valve	20295.29	36	0.312	52	0.18	0.06	6.48	2.39	5:39	335	994	716	649	0.47	1.11							1250	Unknown		
13311	GirthWeld		45710.95		39.84	39.85	39.85	11980	Valve	45710.95	Valve	20284.97	36	0.312	52					2:52	335			649									1250	Unknown		
13312	GirthWeld		45750.8		39.85	39.73	39.72	11990	Valve	45750.8	Valve	20245.12	36	0.312	52					0.069444	335			649									1250	Unknown		
13313	GirthWeld		45790.53		39.73	39.88	39.88	12000	Valve	45790.53	Valve	20205.39	36	0.312	52					0.445833	335			649									1250	Unknown		
13314	GirthWeld		45830.41		39.88	39.07	39.07	12010	Valve	45830.41	Valve	20165.51	36	0.312	52					0.49375	335			649									1250	Unknown		
13315	GirthWeld		45869.48		39.07	38.29	38.29	12020	Valve	45869.48	Valve	20126.44	36	0.312	52					1:09	335			649									1250	Unknown		
13316	GirthWeld		45907.77		38.29	39.8	39.79	12030	Valve	45907.77	Valve	20088.15	36	0.312	52					2:14	335			649									1250	Unknown		
13317	GirthWeld		45947.57		39.8	30.8	30.8	12040	Valve	45947.57	Valve	20048.35	36	0.312	52					0.518056	335			649									1250	Unknown		
13318	GirthWeld		45978.37		30.8	38.6	38.6	12050	Valve	45978.37	Valve	20017.55	36	0.312	52					0.463889	335			649									1250	Unknown		
13320	CLUSTER	YES	45994.31		15.94	22.67	38.6	12050	Valve	45994.31	Valve	20001.61	36	0.312	52	0.16	0.05	5.05	1.35	0.257639	335	1018	733	649	0.46	1.14							1250	Unknown		
13324	GirthWeld		46016.97		38.6	39.85	39.85	12060	Valve	46016.97	Valve	19978.95	36	0.312	52					1:34	335			649									1250	Unknown		
13325	GirthWeld		46056.82		39.85	39.84	39.84	12070	Valve	46056.82	Valve	19939.1	36	0.312	52					3:22	335			649									1250	Unknown		
13326	GirthWeld		46096.66		39.84	39.18	39.18	12080	Valve	46096.66	Valve	19899.26	36	0.312	52					0.497222	335			649									1250	Unknown		
13328	CLUSTER	YES	46105.6		8.94	30.24	39.18	12080	Valve	46105.6	Valve	19890.32	36	0.312	52	0.2	0.06	2.22	0.91	0.220139	335	1050	756	649	0.44	1.17							1250	Unknown		
13330	MELO-CORR	YES	46112.16		15.5	23.68	39.18	12080	Valve	46112.16	Valve	19883.76	36	0.312	52	0.16	0.05	1.18	0.20	0.214583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13331	GirthWeld		46135.84		39.18	38.35	38.35	12090	Valve	46135.84	Valve	19860.08	36	0.312	52					10:42	335			649									1250	Unknown		
13332	GirthWeld		46174.19		38.35	38.79	38.79	12100	Valve	46174.19	Valve	19821.73	36	0.312	52					1:34	335			649									1250	Unknown		
13333	GirthWeld		46212.98		38.79	38.89	38.89	12110	Valve	46212.98	Valve	19782.94	36	0.312	52					0.145833	335			649									1250	Unknown		
13334	GirthWeld		46251.87		38.89	39.85	39.85	12120	Valve	46251.87	Valve	19744.05	36	0.312	52					0.509722	335			649									1250	Unknown		
13335	GirthWeld		46291.72		39.85	39.87	39.87	12130	Valve	46291.72	Valve	19704.2	36	0.312	52					0.430556	335			649									1250	Unknown		
13336	GirthWeld		46331.59		39.87	38.84	38.84	12140	Valve	46331.59	Valve	19664.33	36	0.312	52					2:10	335			649									1250	Unknown		
13337	GirthWeld		46370.43		38.84	13.89	13.89	12150	Valve	46370.43	Valve	19625.49	36	0.312	52					3:40	335			649									1250	Unknown		
13338	GirthWeld		46384.32		13.89	39.24	39.24	12160	Valve	46384.32	Valve	19611.6	36	0.312	52					0.438889	335			649									1250	Unknown		
13339	GirthWeld		46423.56		39.24	39.68	39.69	12170	Valve	46423.56	Valve	19572.36	36	0.312	52					0.381944	335			649									1250	Unknown		
13340	GirthWeld		46463.24		39.68	39.82	39.82	12180	Valve	46463.24	Valve	19532.68	36	0.312	52					0.067361	335			649									1250	Unknown		
13341	MELO-CORR	YES	46473.14		9.9	29.92	39.82	12180	Valve	46473.14	Valve	19522.78	36	0.312	52	0.16	0.05	1.14	0.16	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13342	MELO-CORR	YES	46485.81		22.57	17.25	39.82	12180	Valve	46485.81	Valve	19510.11	36	0.312	52	0.15	0.05	1.18	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13344	CLUSTER	YES	46488.13		24.89	14.93	39.82	12180	Valve	46488.13	Valve	19507.79	36	0.312	52	0.23	0.07	2.36	0.79	0.251389	335	1043	751	649	0.45	1.16							1250	Unknown		
13346	GirthWeld		46503.06		39.82	34.54	34.54	12190	Valve	46503.06	Valve	19492.86	36	0.312	52					0.108333	335			649									1250	Unknown		
13348	CLUSTER	YES	46509.19		6.13	28.41	34.54	12190	Valve	46509.19	Valve	19486.73	36	0.312	52	0.19	0.06	16.32	2.80	0.263194	335	942	678	649	0.49	1.07							1250	Unknown		
13360	CLUSTER	YES	46510.44		7.38	27.16	34.54	12190	Valve	46510.44	Valve	19485.48	36	0.312	52	0.19	0.06	6.68	1.04	5:38	335	987	711	649	0.47	1.10							1250	Unknown		
13364	CLUSTER	YES	46510.68		7.63	26.91	34.54	12190	Valve	46510.68	Valve	19485.24	36	0.312	52	0.2	0.06	18.34	3.21	6:08	335	931	670	649	0.50	1.09							1250	Unknown		
13370	CLUSTER	YES	46514.89		11.83	22.7	34.54	12190	Valve	46514.89	Valve	19481.03	36	0.312	52	0.15	0.05	5.20	2.23	0.265278	335	1020	734	649	0.46	1.14							1250	Unknown		
13374	CLUSTER	YES	46520.87		17.81	16.73	34.54	12190	Valve	46520.87	Valve	19475.05	36	0.312	52	0.24	0.08	5.48	1.23	0.263889	335	978	704	649	0.48	1.13							1250	Unknown		
13378	CLUSTER	YES	46522.32		19.26	15.28	34.54	12190	Valve	46522.32	Valve	19473.6	36	0.312	52	0.17	0.05	11.60	2.48	0.231944	335	969	698	649	0.48	1.09							1250	Unknown		
13385	GirthWeld		46537.6		34.54	16.36	16.37	12200	Valve	46537.6	Valve	19458.32	36	0.312	52					10:26	335			649									1250	Unknown		
13386	GirthWeld		46553.96		16.36	20.16	20.16	12210	Valve	46553.96	Valve	19441.96	36	0.312	52					11:00	335			649									1250	Unknown		
13387	GirthWeld		46574.12		20.16	39.83	39.82	12220	Valve	46574.12	Valve	19421.8	36	0.312	52					0.4	335			649									1250	Unknown		
13388	GirthWeld		46613.95		39.82	39.68	39.68	12230	Valve	46613.95	Valve	19381.97	36	0.312	52					0.077778	335			649									1250	Unknown		
13389	GirthWeld		46653.63		39.68	39.82	39.82	12240	Valve	46653.63	Valve	19342.29	36	0.312	52					0.127778	335			649									1250	Unknown		
13391	CLUSTER	YES	46668.02		14.39	25.43	39.82	12240	Valve	46668.02	Valve	19327.9	36	0.312	52	0.18	0.06	6.14	1.51	6:33	335	997	718	649	0.47	1.13							1250	Unknown		
13396	CLUSTER	YES	46669.53		15.9	23.92	39.82	12240	Valve	46669.53	Valve	19326.39	36	0.312	52	0.15	0.05	3.37	0.76	6:34	335	1041	750	649	0.45	1.16							1250	Unknown		
13398	GirthWeld		46693.45		39.82	39.83	39.83	12250	Valve	46693.45	Valve	19302.47	36	0.312	52					0.415278	335			649									1250	Unknown		
13399	MELO-CORR	YES	46708.05		14.6	25.24	39.83	12250	Valve	46708.05	Valve	19287.87	36	0.312	52	0.22	0.07	1.10	0.51	0.260417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
13401	CLUSTER	YES	46710.91		17.46	22.37	39.83	12250	Valve	46710.91	Valve	19285.01	36	0.312	52	0.2	0.06	4.57	0.63	0.258333	335	1009	726	649	0.46	1.14							1250	Unknown		
13405	CLUSTER	YES	46712.16		18.71	21.12	39.83	12250	Valve	46712.16	Valve	19283.76	36	0.312	52	0.16	0.05	1.55	0.72	5:51	335	1065	767	649	0.44	1.18							1250	Unknown		
13408	CLUSTER	YES	46712.66		19.21	20.62	39.83	12250	Valve	46712.66	Valve	19283.26	36	0.312	52	0.24	0.08	3.74	0.91	5:49	335	1010	727	649	0.46	1.15							1250	Unknown		
13412	CLUSTER	YES	46714.37		20.92	18.92	39.83	12250	Valve	46714.37	Valve	19281.55	36	0.312	52	0.15	0.05	1.32	1.04	0.241667	335	1067	769	649	0.44	1.18							1250	Unknown		
13414	MELO-CORR	YES	46726.97		33.52	6.31	39.83	12250	Valve	46726.97	Valve	19268.95	36	0.312	52	0.19	0.06	1.18	0.20	0.239583	335	1067	768	649	0.44	1.18							1598	Metal Loss		
13415	MELO-CORR	YES	46730.44		36.99	2.85	39.83	12250	Valve	46730.44	Valve	19265.48	36	0.312	52	0.17	0.05	1.10	0.16	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13416	GirthWeld		46733.28		39.83	39.79	39.78	12260	Valve	46733.28	Valve	19262.64	36	0.312	52					11:28	335			649									1250	Unknown		
13418	CLUSTER	YES	46736.17		2.89	36.9	39.78	12260	Valve	46736.17	Valve	19259.75	36	0.312	52	0.17	0.05	7.88	3.24	5:49	335	988	711	649	0.47	1.11							1250	Unknown		
13428	MELO-CORR	YES	46737.23		3.95	35.84	39.78	12260	Valve	46737.23	Valve	19258.69	36	0.312	52	0.18	0.06	1.18	0.20	0.259028	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13430	CLUSTER	YES	46737.69		4.41	35.37	39.78	12260	Valve	46737.69	Valve	19258.23	36	0.312	52	0.16	0.05	9.16	3.74	0.242361	335	986	710	649	0.47	1.10							1250	Unknown		
13441	CLUSTER	YES	46738.64		5.36	34.43	39.78	12260	Valve	46738.64	Valve	19257.28	36	0.312	52	0.25	0.08	7.16	1.51	0.250694	335	950	684	649	0.49	1.10							1250	Unknown		
13447	CLUSTER	YES	46741.21		7.93	31.86	39.78	12260	Valve	46741.21	Valve	19254.71	36	0.312	52	0.16	0.05	10.96	2.86	5:56	335	978	704	649	0.48	1.10							1250	Unknown		
13456	GirthWeld		46773.07		39.79	39.8	39.8	12270	Valve	46773.07	Valve	19222.85	36	0.312	52					2:28	335			649									1250	Unknown		
13457	GirthWeld		46812.87		39.8	39.76	39.76	12280	Valve	46812.87	Valve	19183.05	36	0.312	52					0.0625	335			649									1250	Unknown		
13458	MELO-CORR	YES	46833.91		21.04	18.72	39.76	12280	Valve	46833.91	Valve	19162.01	36	0.312	52	0.17	0.05	1.14	0.39	0.250694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13459	MELO-CORR	YES	46844.5		31.63	8.14	39.76	12280	Valve	46844.5	Valve	19151.42	36	0.312	52	0.16	0.05	1.18	0.20	0.238194	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13460	GirthWeld		46852.63		39.76	39.26	39.26	12290	Valve	46852.63	Valve	19143.29	36	0.312	52					11:30	335			649									1250	Unknown		
13461	MELO-CORR	YES	46861.73		9.1	30.16	39.26	12290	Valve	46861.73	Valve	19134.19	36	0.312	52	0.17	0.05	1.22	0.20	6:13	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13462	MELO-CORR	YES	46865.42		12.79	26.48	39.26	12290	Valve	46865.42	Valve	19130.5	36	0.312	52	0.17	0.05	1.10	0.35	0.25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13464	CLUSTER	YES	46868.47		15.84	23.42	39.26	12290	Valve	46868.47	Valve	19127.45	36	0.312	52	0.17	0.05	2.74	0.50	0.254861	335	1047	754	649	0.44	1.16							1250	Unknown		
13466	MELO-CORR	YES	46881.71		29.08	10.18	39.26	12290	Valve	46881.71	Valve	19114.21	36	0.312	52	0.2	0.06	1.02	0.47	0.249306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13467	MELO-CORR	YES	46886		33.37	5.9	39.26	12290	Valve	46886	Valve	19109.92	36	0.312	52	0.19	0.06	1.14	0.39	5:58	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13469	CLUSTER	YES	46890.83		38.2	1.06	39.26	12290	Valve	46890.83	Valve	19105.09	36	0.312	52	0.39	0.12	7.66	1.16	6:01	335	858	618	649	0.54	1.07							1250	Unknown		
13473	GirthWeld		46891.89		39.26	39.77	39.77	12300	Valve	46891.89	Valve	19104.03	36	0.312	52					0.384722	335			649									1250	Unknown		
13475	CLUSTER	YES	46896.54		4.65	35.13	39.77	12300	Valve	46896.54	Valve	19099.38	36	0.312	52	0.22	0.07	6.18	2.20	0.245139	335	978	704	649	0.48	1.11							1250	Unknown		
13482	CLUSTER	YES	46897.25		5.36	34.41	39.77	12300	Valve	46897.25	Valve	19098.67	36	0.312	52	0.16	0.05	3.78	0.72	0.253472	335	1034	744	649	0.45	1.15							1250	Unknown		
13484	MELO-CORR	YES	46908.8		16.91	22.86	39.77	12300	Valve	46908.8	Valve	19087.12	36	0.312	52	0.15	0.05	1.93	0.59	6:20	335	1061	764	649	0.44	1.18							1598	Metal Loss		
13485	GirthWeld		46931.66		39.77	39.59	39.58	12310	Valve	46931.66	Valve	19064.26	36	0.312	52					11:16	335			649									1250	Unknown		
13486	GirthWeld		46971.25		39.58	39.35	39.35	12320	Valve	46971.25	Valve	19024.67	36	0.312	52					0.520139	335			649									1250	Unknown		
13487	MELO-CORR	YES	46994.44		23.19	16.16	39.35	12320	Valve	46994.44	Valve	19001.48	36	0.312	52	0.18	0.06	1.10	0.20	0.277083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13488	GirthWeld		47010.6		39.35	39.78	39.78	12330	Valve	47010.6	Valve	18985.32	36	0.312	52					0.480556	335			649									1250	Unknown		
13489	GirthWeld		47050.38		39.78	39.76	39.76	12340	Valve	47050.38	Valve	18945.54	36	0.312	52					10:08	335			649									1250	Unknown		
13491	CLUSTER	YES	47075.7		25.32	14.44	39.76	12340	Valve	47075.7	Valve	18920.22	36	0.312	52	0.17	0.05	13.55	2.45	6:55	335	963	693	649	0.48	1.10							1250	Unknown	

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
13513	GirthWeld		47560.45		39.89	39.91	39.9	12470	Valve	47560.45	Valve	18435.47	36	0.312	52					12:46	335			649									1250	Unknown		
13514	GirthWeld		47600.36		39.91	39.81	39.81	12480	Valve	47600.36	Valve	18395.56	36	0.312	52					2:22	335			649									1250	Unknown		
13515	GirthWeld		47640.17		39.81	39.83	39.83	12490	Valve	47640.17	Valve	18355.75	36	0.312	52					0.477778	335			649									1250	Unknown		
13516	GirthWeld		47680		39.83	39.79	39.79	12500	Valve	47680	Valve	18315.92	36	0.312	52					0.418056	335			649									1250	Unknown		
13517	GirthWeld		47719.79		39.79	39.16	39.16	12510	Valve	47719.79	Valve	18276.13	36	0.312	52					0.532639	335			649									1250	Unknown		
13518	GirthWeld		47758.95		39.16	38.76	38.76	12520	Valve	47758.95	Valve	18236.97	36	0.312	52					2:44	335			649									1250	Unknown		
13519	GirthWeld		47797.71		38.76	39.2	39.2	12530	Valve	47797.71	Valve	18198.21	36	0.312	52					11:34	335			649									1250	Unknown		
13520	GirthWeld		47836.91		39.2	39.09	39.09	12540	Valve	47836.91	Valve	18159.01	36	0.312	52					0.413889	335			649									1250	Unknown		
13521	GirthWeld		47876		39.09	39.51	39.51	12550	Valve	47876	Valve	18119.92	36	0.312	52					0.529167	335			649									1250	Unknown		
13522	GirthWeld		47915.51		39.51	16.75	16.75	12560	Valve	47915.51	Valve	18080.41	36	0.312	52					0.490278	335			649									1250	Unknown		
13523	GirthWeld		47932.26		16.75	39.16	39.16	12570	Valve	47932.26	Valve	18063.66	36	0.312	52					10:12	335			649									1250	Unknown		
13524	GirthWeld		47971.42		39.16	39.28	39.28	12580	Valve	47971.42	Valve	18024.5	36	0.312	52					12:16	335			649									1250	Unknown		
13525	GirthWeld		48010.7		39.28	39.85	39.84	12590	Valve	48010.7	Valve	17985.22	36	0.312	52					0.059722	335			649									1250	Unknown		
13526	GirthWeld		48050.55		39.85	39.42	39.43	12600	Valve	48050.55	Valve	17945.37	36	0.312	52					0.13125	335			649									1250	Unknown		
13527	GirthWeld		48089.97		39.42	39.86	39.86	12610	Valve	48089.97	Valve	17905.95	36	0.312	52					0.344444	335			649									1250	Unknown		
13528	GirthWeld		48129.84		39.87	31.7	31.71	12620	Valve	48129.84	Valve	17866.08	36	0.312	52					10:10	335			649									1250	Unknown		
13529	GirthWeld		48161.54		31.7	39.88	39.87	12630	Valve	48161.54	Valve	17834.38	36	0.312	52					1:40	335			649									1250	Unknown		
13530	GirthWeld		48201.42		39.88	38.87	38.87	12640	Valve	48201.42	Valve	17794.5	36	0.312	52					0.536111	335			649									1250	Unknown		
13531	GirthWeld		48240.29		38.87	39.4	39.4	12650	Valve	48240.29	Valve	17755.63	36	0.312	52					0.472222	335			649									1250	Unknown		
13532	GirthWeld		48279.69		39.4	39.57	39.56	12660	Valve	48279.69	Valve	17716.23	36	0.312	52					0.421528	335			649									1250	Unknown		
13533	GirthWeld		48319.26		39.57	23.88	23.88	12670	Valve	48319.26	Valve	17676.66	36	0.312	52					3:28	335			649									1250	Unknown		
13535	CLUSTER	YES	48331.63		12.36	11.51	23.88	12670	Valve	48331.63	Valve	17664.29	36	0.312	52	0.15	0.05	3.96	1.35	5:57	335	1034	744	649	0.45	1.15							1250	Unknown		
13539	CLUSTER	YES	48332.23		12.97	10.91	23.88	12670	Valve	48332.23	Valve	17663.69	36	0.312	52	0.15	0.05	1.56	1.16	0.251389	335	1065	767	649	0.44	1.18							1250	Unknown		
13542	CLUSTER	YES	48337.72		18.46	5.41	23.88	12670	Valve	48337.72	Valve	17658.2	36	0.312	52	0.18	0.06	3.20	1.95	0.248611	335	1037	747	649	0.45	1.16							1250	Unknown		
13545	GirthWeld		48343.14		23.88	14.06	14.07	12680	Valve	48343.14	Valve	17652.78	36	0.312	52					0.130556	335			649									1250	Unknown		
13546	GirthWeld		48357.2		14.06	39.74	39.74	12690	Valve	48357.2	Valve	17638.72	36	0.312	52					1:49	335			649									1250	Unknown		
13547	GirthWeld		48396.94		39.74	5.07	5.07	12700	Valve	48396.94	Valve	17598.98	36	0.312	52					10:42	335			649									1250	Unknown		
13548	GirthWeld		48402.01		5.07	30.66	30.66	12710	Valve	48402.01	Valve	17593.91	36	0.312	52					0.469444	335			649									1250	Unknown		
13550	CLUSTER	YES	48420.97		18.96	11.7	30.66	12710	Valve	48420.97	Valve	17574.95	36	0.312	52	0.16	0.05	7.98	0.66	0.272222	335	992	715	649	0.47	1.11							1250	Unknown		
13554	GirthWeld		48432.67		30.66	39.79	39.79	12720	Valve	48432.67	Valve	17563.25	36	0.312	52					0.044444	335			649									1250	Unknown		
13555	GirthWeld		48472.46		39.79	39.83	39.83	12730	Valve	48472.46	Valve	17523.46	36	0.312	52					2:10	335			649									1250	Unknown		
13556	GirthWeld		48512.29		39.83	20.88	20.88	12740	Valve	48512.29	Valve	17483.63	36	0.312	52					1:14	335			649									1250	Unknown		
13557	GirthWeld		48533.17		20.88	18.82	18.82	12750	Valve	48533.17	Valve	17462.75	36	0.312	52					0.076389	335			649									1250	Unknown		
13558	GirthWeld		48551.99		18.82	39.8	39.8	12760	Valve	48551.99	Valve	17443.93	36	0.312	52					0.429861	335			649									1250	Unknown		
13559	GirthWeld		48591.79		39.8	32.99	32.99	12770	Valve	48591.79	Valve	17404.13	36	0.312	52					0.486111	335			649									1250	Unknown		
13560	GirthWeld		48624.78		32.99	39.42	39.42	12780	Valve	48624.78	Valve	17371.14	36	0.312	52					2:53	335			649									1250	Unknown		
13561	GirthWeld		48664.2		39.42	39.86	39.87	12790	Valve	48664.2	Valve	17331.72	36	0.312	52					1:42	335			649									1250	Unknown		
13562	GirthWeld		48704.06		39.86	39.86	39.85	12800	Valve	48704.06	Valve	17291.86	36	0.312	52					0.408333	335			649									1250	Unknown		
13563	MELO-CORR	YES	48720.31		16.25	23.61	39.85	12800	Valve	48720.31	Valve	17275.61	36	0.312	52	0.15	0.05	1.10	0.24	0.236111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
13564	GirthWeld		48743.92		39.86	39.77	39.78	12810	Valve	48743.92	Valve	17252	36	0.312	52					0.434722	335			649									1250	Unknown		
13565	MELO-CORR	YES	48779.9		35.98	3.79	39.78	12810	Valve	48779.9	Valve	17216.02	36	0.312	52	0.16	0.05	1.14	0.20	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13567	CLUSTER	YES	48781.92		38	1.78	39.78	12810	Valve	48781.92	Valve	17214	36	0.312	52	0.15	0.05	3.31	1.04	6:02	335	1043	751	649	0.45	1.16							1250	Unknown		
13569	GirthWeld		48783.69		39.77	39.82	39.82	12820	Valve	48783.69	Valve	17212.23	36	0.312	52					0.098611	335			649									1250	Unknown		
13570	MELO-CORR	YES	48791.9		8.21	31.62	39.82	12820	Valve	48791.9	Valve	17204.02	36	0.312	52	0.15	0.05	1.18	0.20	0.294444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13572	CLUSTER	YES	48805.48		21.79	18.04	39.82	12820	Valve	48805.48	Valve	17190.44	36	0.312	52	0.21	0.07	8.92	0.79	0.29375	335	957	689	649	0.49	1.09							1250	Unknown		
13578	CLUSTER	YES	48810.07		26.38	13.44	39.82	12820	Valve	48810.07	Valve	17185.85	36	0.312	52	0.16	0.05	7.00	1.42	5:23	335	999	720	649	0.47	1.11							1250	Unknown		
13584	CLUSTER	YES	48814.09		30.4	9.42	39.82	12820	Valve	48814.09	Valve	17181.83	36	0.312	52	0.15	0.05	5.27	2.33	6:20	335	1019	734	649	0.46	1.14							1250	Unknown		
13588	GirthWeld		48823.51		39.82	39.18	39.19	12830	Valve	48823.51	Valve	17172.4	36	0.312	52					0.140278	335			649									1250	Unknown		
13590	CLUSTER	YES	48838.03		14.52	24.67	39.19	12830	Valve	48838.03	Valve	17157.89	36	0.312	52	0.17	0.05	1.57	0.76	0.241667	335	1063	766	649	0.44	1.18							1250	Unknown		
13592	MELO-CORR	YES	48842.6		19.09	20.1	39.19	12830	Valve	48842.6	Valve	17153.32	36	0.312	52	0.16	0.05	1.10	0.20	0.172222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13593	MELO-CORR	YES	48850.02		26.51	12.68	39.19	12830	Valve	48850.02	Valve	17145.9	36	0.312	52	0.15	0.05	1.22	0.24	7:08	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13594	MELO-CORR	YES	48851.44		27.93	11.26	39.19	12830	Valve	48851.44	Valve	17144.48	36	0.312	52	0.16	0.05	1.14	0.20	7:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13595	GirthWeld		48862.7		39.19	39.35	39.34	12840	Valve	48862.7	Valve	17133.22	36	0.312	52					0.472222	335			649									1250	Unknown		
13597	CLUSTER	YES	48866.55		3.85	35.5	39.34	12840	Valve	48866.55	Valve	17129.37	36	0.312	52	0.16	0.05	1.74	1.32	0.242361	335	1062	765	649	0.44	1.18							1250	Unknown		
13600	CLUSTER	YES	48868.07		5.37	33.98	39.34	12840	Valve	48868.07	Valve	17127.85	36	0.312	52	0.15	0.05	3.56	1.38	0.242361	335	1039	748	649	0.45	1.16							1250	Unknown		
13603	CLUSTER	YES	48868.56		5.86	33.48	39.34	12840	Valve	48868.56	Valve	17127.36	36	0.312	52	0.21	0.07	12.86	4.56	5:49	335	937	675	649	0.50	1.08							1250	Unknown		
13616	CLUSTER	YES	48870.74		8.04	31.3	39.34	12840	Valve	48870.74	Valve	17125.18	36	0.312	52	0.19	0.06	4.70	1.23	5:45	335	1011	728	649	0.46	1.13							1250	Unknown		
13621	CLUSTER	YES	48871.26		8.56	30.79	39.34	12840	Valve	48871.26	Valve	17124.66	36	0.312	52	0.15	0.05	7.56	3.30	0.241667	335	1001	720	649	0.46	1.11							1250	Unknown		
13628	CLUSTER	YES	48873.46		10.76	28.58	39.34	12840	Valve	48873.46	Valve	17122.46	36	0.312	52	0.21	0.07	9.74	4.09	0.241667	335	952	685	649	0.49	1.09							1250	Unknown		
13635	CLUSTER	YES	48874.63		11.93	27.41	39.34	12840	Valve	48874.63	Valve	17121.29	36	0.312	52	0.19	0.06	5.80	0.79	0.247917	335	997	718	649	0.47	1.12							1250	Unknown		
13638	MELO-CORR	YES	48878.31		15.61	23.74	39.34	12840	Valve	48878.31	Valve	17117.61	36	0.312	52	0.21	0.07	1.02	0.51	5:55	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13639	MELO-CORR	YES	48878.58		15.89	23.46	39.34	12840	Valve	48878.58	Valve	17117.33	36	0.312	52	0.18	0.06	1.18	0.16	5:59	335	1068	769	649	0.44	1.18							1598	Metal Loss		
13641	CLUSTER	YES	48878.83		16.13	23.22	39.34	12840	Valve	48878.83	Valve	17117.09	36	0.312	52	0.25	0.08	2.92	0.91	0.186111	335	1026	739	649	0.45	1.16							1250	Unknown		
13643	MELO-CORR	YES	48879.56		16.86	22.49	39.34	12840	Valve	48879.56	Valve	17116.36	36	0.312	52	0.15	0.05	1.18	0.20	0.189583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13645	CLUSTER	YES	48883.08		20.38	18.97	39.34	12840	Valve	48883.08	Valve	17112.84	36	0.312	52	0.23	0.07	8.84	0.91	0.258333	335	946	681	649	0.49	1.08							1250	Unknown		
13650	MELO-CORR	YES	48888.14		25.44	13.91	39.34	12840	Valve	48888.14	Valve	17107.78	36	0.312	52	0.15	0.05	1.10	0.28	5:57	335	1070	770	649	0.43	1.19							1598	Metal Loss		
13652	CLUSTER	YES	48895.53		32.83	6.52	39.34	12840	Valve	48895.53	Valve	17100.39	36	0.312	52	0.15	0.05	7.82	0.79	6:19	335	999	719	649	0.47	1.11							1250	Unknown		
13656	GirthWeld		48902.05		39.35	39.85	39.86	12850	Valve	48902.05	Valve	17093.87	36	0.312	52					0.440278	335			649									1250	Unknown		
13657	MELO-CORR	YES	48915.2		13.15	26.71	39.86	12850	Valve	48915.2	Valve	17080.72	36	0.312	52	0.15	0.05	1.22	0.20	0.261806	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13658	MELO-CORR	YES	48919.46		17.41	22.45	39.86	12850	Valve	48919.46	Valve	17076.46	36	0.312	52	0.18	0.06	1.14	0.20	0.261111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
13659	GirthWeld		48941.9		39.85	39.43	39.42	12860	Valve	48941.9	Valve	17054.01	36	0.312	52					3:16	335			649									1250	Unknown		
13660	GirthWeld		48981.33		39.43	39.77	39.78	12870	Valve	48981.33	Valve	17014.59	36	0.312	52					1:36	335			649									1250	Unknown		
13661	GirthWeld		49021.1		39.77	39.4	39.4	12880	Valve	49021.1	Valve	16974.82	36	0.312	52					0.508333	335			649									1250	Unknown		
13662	GirthWeld		49060.5		39.4	39.74	39.74	12890	Valve	49060.5	Valve	16935.42	36	0.312	52					0.454167	335			649									1250	Unknown		
13663	GirthWeld		49100.24		39.74	39.83	39.84	12900	Valve	49100.24	Valve	16895.68	36	0.312	52					0.048611	335			649									1250	Unknown		
13664	GirthWeld		49140.07		39.83	39.68	39.68	12910	Valve	49140.07	Valve	16855.85	36	0.312	52					2:36	335			649									1250	Unknown		
13665	GirthWeld		49179.75		39.68	39.78	39.78	12920	Valve	49179.75	Valve	16816.17	36	0.312	52					11:06	335			649									1250	Unknown		
13666	GirthWeld		49219.53		39.78	20.79	20.79	12930	Valve	49219.53	Valve	16776.39	36	0.312	52					0.390278	335			649									1250	Unknown		
13668	CLUSTER	YES	49220.86		1.33	19.46	20.79	12930	Valve	49220.86	Valve	16775.06	36	0.312	52	0.25	0.08	1.82	0.44	0.245833	335	1052	757	649	0.44	1.17							1250	Unknown		
13671	CLUSTER	YES	49223.18		3.65	17.14	20.79	12930	Valve	49223.18	Valve	16772.74	36	0.312	52	0.2	0.06	7.79	1.64	0.25	335	972	700	649	0.48	1.11							1250	Unknown		
13675	GirthWeld		49240.32		20.79	13.09	13.09	12940	Valve	49240.32	Valve	16755.6	36	0.312	52					9:02	335			649									1250	Unknown		
13676	MELO-CORR	YES	49244.1		3.78	9.3	13.09	12940	Valve	49244.1	Valve	16751.82	36	0.312	52	0.15	0.05	2.44	0.75	5:59	335	1054	759	649	0.44	1.17							1598	Metal Loss		
13677	GirthWeld		49253.41		13.09	39.48	39.48	12950	Valve	49253.41	Valve	16742.51	36	0.312	52					0.086111	335			649									1250	Unknown		
13679	CLUSTER	YES	49256		2.59	36.89	39.48	12950	Valve	49256	Valve	16739.92	36	0.312	52	0.21	0.07	12.36	2.96	0.248611	335	939	676	649	0.50	1.07							1250	Unknown		
13687	GirthWeld		49292.89		39.48	38.9	38.9	12960	Valve	49292.89	Valve	16703.03	36	0.312	52					0.05	335			649									1250	Unknown		
13688	GirthWeld		49331.79		38.9	16.88	16.88	12970	Valve	49331.79	Valve	16664.13	36	0.312	52					11:24	335			649									1250	Unknown		
13689	GirthWeld		49348.67		16.88	16.15	16.15	12980	Valve	49348.67	Valve	16647.25	36	0.312	52					11:03	335			649									1250	Unknown		
13690	MELO-CORR	YES	49359.71		11.04	5.1	16.15	12980	Valve	49359.71	Valve	16636.21	36	0.312	52	0.18	0.06	1.22	0.20	0.274306	335	1067	768	649	0.44	1.18							1598	Metal Loss		
13691	GirthWeld		49364.82		16.15	39.72	39.72	12990	Valve	49364.82	Valve	16631.1	36	0.312	52					0.490278	335			649									1250	Unknown		
13692	MELO-CORR	YES	49399.72		34.9	4.82	39.72	12990	Valve	49399.72	Valve	16596.2	36	0.312	52	0.15	0.05	1.22	0.20	0.260417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13693	GirthWeld		49404.54		39.72	39.89	39.89	13000	Valve	49404.54	Valve	16591.38	36	0.312	52					7:59	335			649									1250	Unknown		
13694	MELO-CORR	YES	49404.85		0.31	39.58	39.89	13000	Valve	49404.85	Valve	16591.07	36	0.312	52	0.15	0.05	1.22	0.39	6:14	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13696	CLUSTER	YES	49425.85		21.31	18.58	39.89	13000	Valve	49425.85	Valve	16570.07	36	0.312	52	0.15	0.05	2.41	0.85	0.252083	335	1055	759	649	0.44	1.17							1250	Unknown		
13698	GirthWeld		49444.43		39.89	38.71	38.71	13010	Valve	49444.43	Valve	16551.49	36	0.312	52					0.392361	335			649									1250	Unknown		
13700	CLUSTER	YES	49460.25		15.82	22.89	38.71	13010	Valve	49460.25	Valve	16535.67	36	0.312	52	0.16	0.05	8.40	0.91	0.259722	335	990	713	649	0.47	1.11							1250	Unknown		
13705	CLUSTER	YES	49464.12		19.69	19.02	38.71	13010	Valve	49464.12	Valve	16531.8	36	0.312	52	0.17	0.05	4.13	0.57	6:16	335	1026	738	649	0.45	1.14							1250	Unknown		
13708	MELO-CORR	YES	49471.78		27.35	11.35	38.71	13010	Valve	49471.78	Valve	16524.14	36	0.312	52	0.16	0.05	1.10	0.59	6:11	335	1069	770	649	0.44	1.19							1598	Metal Loss		
13709	GirthWeld		49483.14		38.71	39.82	39.82	13020	Valve	49483.14	Valve	16512.78	36	0.312	52					0.533333	335			649									1250	Unknown		
13711	CLUSTER	YES	49520.26		37.12	2.7	39.82	13020	Valve	49520.26	Valve	16475.66	36	0.312	52	0.18	0.06	3.16	1.07	0.252083	335	1038	747	649	0.45	1.15							1250	Unknown		
13713	GirthWeld		49522.96		39.82	26.56	26.56	13030	Valve	49522.96	Valve	16472.96	36	0.312	52					0.465278	335			649									1250	Unknown		
13714	GirthWeld		49549.52		26.56	38.62	38.63	13040	Valve	49549.52	Valve	16446.4	36	0.312	52					9:40	335			649									1250	Unknown		
13715	GirthWeld		49588.14		38.63	37.82	37.82	13050	Valve	49588.14	Valve	16407.78	36	0.312	52					7:41	335			649									1250	Unknown		
13716	GirthWeld		49625.96		37.82	39.37	39.36	13060	Valve	49625.96	Valve	16369.96	36	0.312	52					0.455556	335			649									1250	Unknown		
13717	GirthWeld		49665.33		39.37	39.33	39.33	13070	Valve	49665.33	Valve	16330.59	36	0.312	52					0.522222	335			649									1250	Unknown		
13718	GirthWeld		49704.66		39.33	37.75	37.75	13080	Valve	49704.66	Valve	16291.26	36	0.312	52					0.072222	335			649									1250	Unknown		
13719	GirthWeld		49742.41		37.75	19.45	19.44	13090	Valve	49742.41	Valve	16253.51	36	0.312	52					2:40	335			649									1250	Unknown		
13720	GirthWeld		49761.86		19.44	19.49	19.5	13100	Valve	49761.86	Valve	16234.06	36	0.312	52					2:58	335			649									1250	Unknown		
13721	GirthWeld		49781.35		19.49	39.57	39.56	13110	Valve	49781.35	Valve	16214.57	36	0.312	52					0.431944	335			649									1250	Unknown		
13722	MELO-CORR	YES	49812.74		31.39	8.18	39.56	13110	Valve	49812.74	Valve	16183.18	36	0.312	52	0.16	0.05	1.18	0.20	0.256944	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13723	GirthWeld		49820.92		39.57	21.83	21.83	13120	Valve	49820.92	Valve	16175	36	0.312	52					0.377083	335			649									1250	Unknown		
13725	CLUSTER	YES	49828.7		7.78	14.06	21.83	13120	Valve	49828.7	Valve	16167.22	36	0.312	52	0.25	0.08	46.42	9.39	5:22	335	866	623	649

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
13861	CLUSTER	YES	49845.7		2.94	13.36	16.31	13130	Valve	49845.7	Valve	16150.22	36	0.312	52	0.16	0.05	3.47	0.79	6:17	335	1038	747	649	0.45	1.16							1250	Unknown		
13863	MELO-CORR	YES	49849.43		6.68	9.63	16.31	13130	Valve	49849.43	Valve	16146.49	36	0.312	52	0.16	0.05	1.18	0.20	5:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
13864	MELO-CORR	YES	49850.43		7.68	8.62	16.31	13130	Valve	49850.43	Valve	16145.49	36	0.312	52	0.21	0.07	1.22	0.63	0.279167	335	1066	767	649	0.44	1.18							1598	Metal Loss		
13865	GirthWeld		49859.06		16.31	40.09	40.1	13140	Valve	49859.06	Valve	16136.86	36	0.312	52					0.095833	335			649									1250	Unknown		
13866	MELO-CORR	YES	49859.27		0.21	39.88	40.1	13140	Valve	49859.27	Valve	16136.65	36	0.312	52	0.15	0.05	1.46	0.47	0.225	335	1066	768	649	0.44	1.18							1598	Metal Loss		
13868	CLUSTER	YES	49860.81		1.75	38.34	40.1	13140	Valve	49860.81	Valve	16135.11	36	0.312	52	0.16	0.05	2.95	0.41	8:34	335	1045	753	649	0.45	1.16							1250	Unknown		
13871	CLUSTER	YES	49866.24		7.18	32.91	40.1	13140	Valve	49866.24	Valve	16129.68	36	0.312	52	0.18	0.06	13.45	1.04	5:43	335	956	688	649	0.49	1.09							1250	Unknown		
13878	MELO-CORR	YES	49868.08		9.02	31.08	40.1	13140	Valve	49868.08	Valve	16127.84	36	0.312	52	0.15	0.05	1.10	0.16	0.138194	335	1070	770	649	0.43	1.19							1598	Metal Loss		
13880	CLUSTER	YES	49868.85		9.79	30.31	40.1	13140	Valve	49868.85	Valve	16127.07	36	0.312	52	0.16	0.05	2.92	0.63	0.236111	335	1046	753	649	0.44	1.16							1250	Unknown		
13882	GirthWeld		49899.15		40.09	39.65	39.65	13150	Valve	49899.15	Valve	16096.77	36	0.312	52					0.133333	335			649									1250	Unknown		
13883	GirthWeld		49938.8		39.65	39.89	39.89	13160	Valve	49938.8	Valve	16057.12	36	0.312	52					10:40	335			649									1250	Unknown		
13884	GirthWeld		49978.69		39.89	22.81	22.81	13170	Valve	49978.69	Valve	16017.23	36	0.312	52					9:16	335			649									1250	Unknown		
13885	GirthWeld		50001.5		22.81	15.95	15.95	13180	Valve	50001.5	Valve	15994.42	36	0.312	52					0.415278	335			649									1250	Unknown		
13886	GirthWeld		50017.45		15.95	39.86	39.86	13190	Valve	50017.45	Valve	15978.47	36	0.312	52					0.070833	335			649									1250	Unknown		
13887	GirthWeld		50057.31		39.86	39.79	39.8	13200	Valve	50057.31	Valve	15938.61	36	0.312	52					0.5375	335			649									1250	Unknown		
13888	GirthWeld		50097.1		39.79	34.88	34.88	13210	Valve	50097.1	Valve	15898.82	36	0.312	52					7:52	335			649									1250	Unknown		
13889	GirthWeld		50131.98		34.88	21.5	21.5	13220	Valve	50131.98	Valve	15863.94	36	0.312	52					9:31	335			649									1250	Unknown		
13890	GirthWeld		50153.48		21.5	19.33	19.33	13230	Valve	50153.48	Valve	15842.44	36	0.312	52					0.418056	335			649									1250	Unknown		
13891	GirthWeld		50172.81		19.33	39.83	39.84	13240	Valve	50172.81	Valve	15823.11	36	0.312	52					0.061111	335			649									1250	Unknown		
13893	CLUSTER	YES	50203.93		31.12	8.71	39.84	13240	Valve	50203.93	Valve	15791.99	36	0.312	52	0.15	0.05	4.87	4.09	0.249306	335	1023	737	649	0.45	1.14							1250	Unknown		
13897	MELO-CORR	YES	50204.5		31.69	8.14	39.84	13240	Valve	50204.5	Valve	15791.42	36	0.312	52	0.15	0.05	1.10	0.24	6:27	335	1070	770	649	0.43	1.19							1598	Metal Loss		
13899	CLUSTER	YES	50204.55		31.74	8.09	39.84	13240	Valve	50204.55	Valve	15791.37	36	0.312	52	0.21	0.07	20.57	5.84	5:41	335	920	662	649	0.51	1.08							1250	Unknown		
13917	CLUSTER	YES	50207.66		34.85	4.99	39.84	13240	Valve	50207.66	Valve	15788.26	36	0.312	52	0.24	0.08	29.44	5.47	0.246528	335	887	639	649	0.52	1.07							1250	Unknown		
13939	GirthWeld		50212.64		39.83	39.54	39.54	13250	Valve	50212.64	Valve	15783.28	36	0.312	52					0.109722	335			649									1250	Unknown		
13941	CLUSTER	YES	50215.07		2.43	37.11	39.54	13250	Valve	50215.07	Valve	15780.85	36	0.312	52	0.19	0.06	7.44	1.98	0.245833	335	980	706	649	0.47	1.11							1250	Unknown		
13947	CLUSTER	YES	50225.76		13.12	26.42	39.54	13250	Valve	50225.76	Valve	15770.16	36	0.312	52	0.15	0.05	8.63	3.27	6:17	335	994	716	649	0.47	1.10							1250	Unknown		
13953	CLUSTER	YES	50233.91		21.27	18.27	39.54	13250	Valve	50233.91	Valve	15762.01	36	0.312	52	0.17	0.05	11.71	0.88	6:23	335	968	697	649	0.48	1.09							1250	Unknown		
13958	MELO-CORR	YES	50241.43		28.79	10.75	39.54	13250	Valve	50241.43	Valve	15754.49	36	0.312	52	0.23	0.07	1.10	0.79	0.327778	335	1066	768	649	0.44	1.18							1598	Metal Loss		
13959	GirthWeld		50252.18		39.54	39.09	39.09	13260	Valve	50252.18	Valve	15743.74	36	0.312	52					0.452778	335			649									1250	Unknown		
13960	GirthWeld		50291.27		39.09	22.88	22.88	13270	Valve	50291.27	Valve	15704.65	36	0.312	52					0.402083	335			649									1250	Unknown		
13961	GirthWeld		50314.15		22.88	17.52	17.52	13280	Valve	50314.15	Valve	15681.77	36	0.312	52					8:50	335			649									1250	Unknown		
13962	GirthWeld		50331.67		17.52	34.91	34.92	13290	Valve	50331.67	Valve	15664.25	36	0.312	52					12:41	335			649									1250	Unknown		
13963	GirthWeld		50366.58		34.91	39.82	39.82	13300	Valve	50366.58	Valve	15629.34	36	0.312	52					0.068056	335			649									1250	Unknown		
13964	GirthWeld		50406.4		39.82	39.83	39.83	13310	Valve	50406.4	Valve	15589.52	36	0.312	52					0.441667	335			649									1250	Unknown		
13966	CLUSTER	YES	50443.49		37.08	2.74	39.83	13310	Valve	50443.49	Valve	15552.43	36	0.312	52	0.16	0.05	4.30	0.38	0.254167	335	1027	739	649	0.45	1.14							1250	Unknown		
13968	GirthWeld		50446.23		39.83	39.71	39.71	13320	Valve	50446.23	Valve	15549.69	36	0.312	52					8:51	335			649									1250	Unknown		
13970	CLUSTER	YES	50462.75		16.52	23.19	39.71	13320	Valve	50462.75	Valve	15533.17	36	0.312	52	0.15	0.05	8.36	3.83	5:35	335	996	717	649	0.47	1.11							1250	Unknown		
13976	CLUSTER	YES	50481.4		35.17	4.54	39.71	13320	Valve	50481.4	Valve	15514.51	36	0.312	52	0.15	0.05	4.85	0.41	0.238194	335	1024	737	649	0.45	1.14							1250	Unknown		
13978	GirthWeld		50485.94		39.71	12.65	12.65	13330	Valve	50485.94	Valve	15509.98	36	0.312	52					0.53125	335			649									1250	Unknown		
13980	CLUSTER	YES	50494.29		8.35	4.3	12.65	13330	Valve	50494.29	Valve	15501.63	36	0.312	52	0.18	0.06	4.67	4.09	0.238194	335	1015	731	649	0.46	1.14							1250	Unknown		
13986	CLUSTER	YES	50496.94		11	1.65	12.65	13330	Valve	50496.94	Valve	15498.98	36	0.312	52	0.15	0.05	13.10	2.58	6:10	335	977	704	649	0.48	1.09							1250	Unknown		
13995	GirthWeld		50498.59		12.65	26.62	26.62	13340	Valve	50498.59	Valve	15497.33	36	0.312	52					12:54	335			649									1250	Unknown		
13997	CLUSTER	YES	50505.06		6.47	20.15	26.62	13340	Valve	50505.06	Valve	15490.86	36	0.312	52	0.16	0.05	3.31	1.23	0.261111	335	1040	749	649	0.45	1.16							1250	Unknown		
13999	GirthWeld		50525.21		26.63	39.79	39.78	13350	Valve	50525.21	Valve	15470.71	36	0.312	52					0.125	335			649									1250	Unknown		
14000	GirthWeld		50565		39.79	39.85	39.85	13360	Valve	50565	Valve	15430.92	36	0.312	52					0.506944	335			649									1250	Unknown		
14001	GirthWeld		50604.85		39.85	39.04	39.04	13370	Valve	50604.85	Valve	15391.07	36	0.312	52					10:47	335			649									1250	Unknown		
14002	GirthWeld		50643.89		39.04	17.03	17.03	13380	Valve	50643.89	Valve	15352.03	36	0.312	52					1:31	335			649									1250	Unknown		
14003	GirthWeld		50660.92		17.03	20.97	20.97	13390	Valve	50660.92	Valve	15335	36	0.312	52					0.538889	335			649									1250	Unknown		
14004	GirthWeld		50681.89		20.97	21.93	21.93	13400	Valve	50681.89	Valve	15314.03	36	0.312	52					0.481944	335			649									1250	Unknown		
14005	GirthWeld		50703.82		21.93	38.42	38.42	13410	Valve	50703.82	Valve	15292.1	36	0.312	52					0.120833	335			649									1250	Unknown		
14006	GirthWeld		50742.24		38.42	20.35	20.35	13420	Valve	50742.24	Valve	15253.68	36	0.312	52					1:48	335			649									1250	Unknown		
14007	GirthWeld		50762.59		20.35	20.13	20.13	13430	Valve	50762.59	Valve	15233.33	36	0.312	52					2:42	335			649									1250	Unknown		
14008	GirthWeld		50782.72		20.13	39.99	39.99	13440	Valve	50782.72	Valve	15213.2	36	0.312	52					0.069444	335			649									1250	Unknown		
14009	GirthWeld		50822.71		39.99	39.67	39.67	13450	Valve	50822.71	Valve	15173.21	36	0.312	52					0.115278	335			649									1250	Unknown		
14011	CLUSTER	YES	50834		11.29	28.39	39.67	13450	Valve	50834	Valve	15161.92	36	0.312	52	0.16	0.05	17.11	2.70	0.228472	335	962	693	649	0.48	1.07							1250	Unknown		
14019	CLUSTER	YES	50837.1		14.39	25.29	39.67	13450	Valve	50837.1	Valve	15158.82	36	0.312	52	0.15	0.05	6.86	1.32	6:26	335	1006	724	649	0.46	1.11							1250	Unknown		
14025	CLUSTER	YES	50837.78		15.07	24.6	39.67	13450	Valve	50837.78	Valve	15158.14	36	0.312	52	0.15	0.05	9.00	1.51	6:18	335	992	714	649	0.47	1.10							1250	Unknown		
14030	CLUSTER	YES	50845.79		23.08	16.59	39.67	13450	Valve	50845.79	Valve	15150.13	36	0.312	52	0.23	0.07	12.46	2.11	0.258333	335	925	666	649	0.50	1.05							1250	Unknown		
14039	CLUSTER	YES	50851.42		28.71	10.97	39.67	13450	Valve	50851.42	Valve	15144.5	36	0.312	52	0.17	0.05	7.72	1.54	0.296528	335	989	712	649	0.47	1.11							1250	Unknown		
14044	GirthWeld		50862.38		39.67	39.98	39.98	13460	Valve	50862.38	Valve	15133.54	36	0.312	52					0.373611	335			649									1250	Unknown		
14045	AS_Sleeve		50862.73		0.35	39.63	39.98	13460	Valve	50862.73	Valve	15133.19	36	0.312	52						335			649									1789	Sleeve		
14046	AE_Sleeve		50866.4		4.02	35.96	39.98	13460	Valve	50866.4	Valve	15129.52	36	0.312	52						335			649									1789	Sleeve		
14047	GirthWeld		50902.36		39.98	39.22	39.22	13470	Valve	50902.36	Valve	15093.56	36	0.312	52					0.441667	335			649									1250	Unknown		
14048	AS_Casing		50916.69		14.33	24.89	39.22	13470	Valve	50916.69	Valve	15079.23	36	0.312	52						335			649									1590	Casing		
14049	GirthWeld		50941.58		39.22	39.85	39.85	13480	Valve	50941.58	Valve	15054.34	36	0.312	52					0.4625	335			649									1250	Unknown		
14050	GirthWeld		50981.43		39.85	39.36	39.35	13490	Valve	50981.43	Valve	15014.49	36	0.312	52					9:44	335			649									1250	Unknown		
14051	GirthWeld		51020.79		39.36	39.82	39.82	13500	Valve	51020.79	Valve	14975.13	36	0.312	52					12:17	335			649									1250	Unknown		
14052	GirthWeld		51060.61		39.82	38	38.01	13510	Valve	51060.61	Valve	14935.31	36	0.312	52					0.046528	335			649									1250	Unknown		
14053	GirthWeld		51098.61		38	39.44	39.43	13520	Valve	51098.61	Valve	14897.31	36	0.312	52					0.452778	335			649									1250	Unknown		
14054	GirthWeld		51138.05		39.44	39.84	39.84	13530	Valve	51138.05	Valve	14857.87	36	0.312	52					0.405556	335			649									1250	Unknown		
14055	GirthWeld		51177.89		39.83	39.82	39.82	13540	Valve	51177.89	Valve	14818.03	36	0.312	52					11:48	335			649									1250	Unknown		
14056	GirthWeld		51217.71		39.82	38.17	38.16	13550	Valve	51217.71	Valve	14778.21	36	0.312	52					12:49	335			649									1250	Unknown		
14057	AE_Casing		51223.78		6.07	32.09	38.16	13550	Valve	51223.78	Valve	14772.14	36	0.312	52						335			649									1590	Casing		
14059	CLUSTER	YES	51246.53		28.82	9.34	38.16	13550	Valve	51246.53	Valve	14749.39	36	0.312	52	0.15	0.05	1.28	0.91	0.23125	335	1068	769	649	0.44	1.18							1250	Unknown		
14061	GirthWeld		51255.87		38.16	39.72	39.72	13560	Valve	51255.87	Valve	14740.05	36	0.312	52					0.441667	335			649									1250	Unknown		
14063	CLUSTER	YES	51272.14		16.27	23.45	39.72	13560	Valve	51272.14	Valve	14723.78	36	0.312	52	0.16	0.05	5.17	0.32	6:14	335	1017	732	649	0.46	1.14							1250	Unknown		
14065	GirthWeld		51295.59		39.72	20.25	20.25	13570	Valve	51295.59	Valve	14700.33	36	0.312	52					11:26	335			649									1250	Unknown		
14066	GirthWeld		51315.84		20.25	19.37	19.37	13580	Valve	51315.84	Valve	14680.08	36	0.312	52					0.490278	335			649									1250	Unknown		
14067	GirthWeld		51335.21		19.37	29.42	29.42	13590	Valve	51335.21	Valve	14660.71	36	0.312	52					0.338889	335			649									1250	Unknown		
14068	GirthWeld		51364.63		29.42	35.92	35.92	13600	Valve	51364.63	Valve	14631.29	36	0.312	52					0.296528	335			649									1250	Unknown		
14069	GirthWeld		51400.55		35.92	39.86	39.86	13610	Valve	51400.55	Valve	14595.37	36	0.312	52					6:20	335			649									1250	Unknown		
14070	LWFE-CORR	YES	51406.54		5.99	33.87	39.86	13610	Valve	51406.54	Valve	14589.38	36	0.312	52	0.16	0.05	3.03	0.43	6:24	335	1044	752	649	0.45	1.16	Group 3	h					1598	Metal Loss		
14071	GirthWeld		51440.41		39.86	39.66	39.66	13620	Valve	51440.41	Valve	14555.51	36	0.312	52					0.168056	335			649									1250	Unknown		
14072	GirthWeld		51480.07		39.66	39.78	39.78	13630	Valve	51480.07	Valve	14515.85	36	0.312	52					0.299306	335			649									1250	Unknown		
14074	CLUSTER	YES	51502.57		22.5	17.28	39.78	13630	Valve	51502.57	Valve	14493.35	36	0.312	52	0.15	0.05	4.52	0.82	0.25	335	1027	740	649	0.45	1.15							1250	Unknown		
14077	GirthWeld		51519.85		39.78	39.7	39.69	13640	Valve	51519.85	Valve	14476.07	36	0.312	52					6:18	335			649									1250	Unknown		
14078	GirthWeld		51559.55		39.7	39.81	39.82	13650	Valve	51559.55	Valve	14436.37	36	0.312	52					9:32	335			649									1250	Unknown		
14080	CLUSTER	YES	51559.88		0.33	39.48	39.82	13650	Valve	51559.88	Valve	14436.04	36	0.312	52	0.15	0.05	10.22	0.72	0.260417	335	987	711	649	0.47	1.10							1250	Unknown		
14084	GirthWeld		51599.36		39.81	39.81	39.81	13660	Valve	51599.36	Valve	14396.56	36	0.312	52					0.445833	335			649									1250	Unknown		
14085	GirthWeld		51639.17		39.81	39.89	39.89	13670	Valve	51639.17	Valve	14356.75	36	0.312	52					0.1	335			649									1250	Unknown		
14086	GirthWeld		51679.06		39.89	39.72	39.72	13680	Valve	51679.06	Valve	14316.86	36	0.312	52					3:54	335			649									1250	Unknown		
14087	GirthWeld		51718.78		39.72	33.63	33.63	13690	Valve	51718.78	Valve	14277.14	36	0.312	52					9:52	335			649									1250	Unknown		
14088	GirthWeld		51752.41		33.63	39.81	39.81	13700	Valve	51752.41	Valve	14243.51	36	0.312	52					0.452778	335			649									1250	Unknown		
14089	GirthWeld		51792.22		39.81	39.95	39.95	13710	Valve	51792.22	Valve	14203.7	36	0.312	52					0.072222	335			649									1250	Unknown		
14091	CLUSTER	YES	51796.73		4.51	35.44	39.95	13710	Valve	51796.73	Valve	14199.19	36	0.312	52	0.16	0.05	1.57	0.76	0.248611	335	1064	766	649	0.44	1.18							1250	Unknown		
14093	MELO-CORR	YES	51801.21		8.99	30.96	39.95	13710	Valve	51801.21	Valve	14194.71	36	0.312	52	0.16	0.05	1.10	0.24	5:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14095	CLUSTER	YES	51803.72		11.5	28.45	39.95	13710	Valve	51803.72	Valve	14192.2	36	0.312	52	0.16	0.05	1.43	0.47	5:04	335	1066	768	649	0.44	1.18							1250	Unknown		
14098	CLUSTER	YES	51803.92		11.7	28.25	39.95	13710	Valve	51803.92	Valve	14192	36	0.312	52	0.16	0.05	2.38	2.36	0.25	335	1054	759	649	0.44	1.17							1250	Unknown		
14100	MELO-CORR	YES	51804.17		11.95	28	39.95	13710	Valve	51804.17	Valve	14191.75	36	0.312	52	0.16	0.05	1.22	0.16	0.229861	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14101	MELO-CORR	YES	51804.64		12.42	27.53	39.95	13710	Valve	51804.64	Valve	14191.28	36	0.312	52	0.18	0.06	1.22	0.20	0.261806	335	1067	768	649	0.44	1.18							1598	Metal Loss		
14103	CLUSTER	YES	51807.06		14.84	25.11	39.95	13710	Valve	51807.06	Valve	14188.86	36	0.312	52	0.19	0.06	4.55	0.54	5:48	335	1013	729	649	0.46	1.14							1250	Unknown		
14106	MELO-CORR	YES	51807.44		15.22	24.73	39.95	13710	Valve	51807.44	Valve	14188.48	36	0.312	52	0.15	0.05	1.18	0.20	6:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14107	MELO-CORR	YES	51807.93		15.71	24.24	39.95	13710	Valve	51807.93	Valve	14187.99	36	0.312	52	0.16	0.05	1.18	0.16	0.274306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14108	MELO-CORR	YES	51814.5		22.28	17.67	39.95	13710	Valve	51814.5	Valve	14181.42	36	0.312	52	0.18	0.06	1.22	0.16	0.184028	335	1067	768	649	0.44	1.18							1598	Metal Loss		
14109	MELO-CORR	YES	51817.34		25.12	14.83	39.95	13710	Valve	51817.34	Valve	14178.58	36	0.312	52	0.15	0.05	1.10	0.20	0.177083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14110	GirthWeld		51832.17		39.95	40	40	13720	Valve	51832.17	Valve	14163.75	36	0.312	52					2:26	335			649									1250	Unknown		
14112	CLUSTER	YES	51852.08		19.91	20.09	40	13720	Valve	51852.08	Valve	14143.84	36	0.312	52	0.17	0.05	7.52	1.79	7:20	335	990	713	649	0.47	1.11							1250	Unknown		
14118	MELO-CORR	YES	51857.15		24.98	15.02	40	13720	Valve	51857.15	Valve	14138.77	36	0.312	52	0.15	0.05	1.10	0.20	0.334722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14119	MELO-CORR	YES	51861.63		29.46	10.54	40	13720	Valve	51861.63	Valve	14134.29	36	0.312	52	0.15	0.05	1.22	0.20	0.263889	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14120	MELO-CORR	YES	51862.44		30.27	9.73	40	13720	Valve	51862.44	Valve	14133.48	36	0.312	52	0.15	0.05	1.10	0.16	0.239583	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14121	GirthWeld		51872.17		40	39.87	39.87	13730

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
14131	GirthWeld		52187.87		39.74	39.84	39.84	13820	Valve	52187.87	Valve	13808.05	36	0.312	52					9:34	335			649									1250	Unknown		
14132	GirthWeld		52227.71		39.83	39.85	39.85	13830	Valve	52227.71	Valve	13768.21	36	0.312	52					10:40	335			649									1250	Unknown		
14133	GirthWeld		52267.56		39.85	38.13	38.14	13840	Valve	52267.56	Valve	13728.36	36	0.312	52					0.0625	335			649									1250	Unknown		
14134	GirthWeld		52305.69		38.13	39.74	39.74	13850	Valve	52305.69	Valve	13690.23	36	0.312	52					0.119444	335			649									1250	Unknown		
14135	GirthWeld		52345.43		39.74	39.39	39.39	13860	Valve	52345.43	Valve	13650.49	36	0.312	52					0.470833	335			649									1250	Unknown		
14136	GirthWeld		52384.82		39.39	39.92	39.92	13870	Valve	52384.82	Valve	13611.1	36	0.312	52					9:54	335			649									1250	Unknown		
14138	CLUSTER	YES	52390.06		5.24	34.68	39.92	13870	Valve	52390.06	Valve	13605.86	36	0.312	52	0.16	0.05	1.25	0.38	5:33	335	1068	769	649	0.44	1.18							1250	Unknown		
14140	MELO-CORR	YES	52392.97		8.15	31.77	39.92	13870	Valve	52392.97	Valve	13602.95	36	0.312	52	0.16	0.05	1.10	0.24	0.280556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14141	MELO-CORR	YES	52399.25		14.43	25.49	39.92	13870	Valve	52399.25	Valve	13596.67	36	0.312	52	0.16	0.05	0.98	0.51	0.183333	335	1070	771	649	0.43	1.19							1598	Metal Loss		
14143	CLUSTER	YES	52400.96		16.14	23.78	39.92	13870	Valve	52400.96	Valve	13594.96	36	0.312	52	0.26	0.08	17.93	5.12	0.217361	335	886	638	649	0.53	1.06							1250	Unknown		
14159	MELO-CORR	YES	52406.23		21.41	18.51	39.92	13870	Valve	52406.23	Valve	13589.69	36	0.312	52	0.18	0.06	1.22	0.20	3:27	335	1067	768	649	0.44	1.18							1598	Metal Loss		
14160	MELO-CORR	YES	52412.62		27.8	12.12	39.92	13870	Valve	52412.62	Valve	13583.3	36	0.312	52	0.19	0.06	1.10	0.20	7:19	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14162	CLUSTER	YES	52415.99		31.17	8.75	39.92	13870	Valve	52415.99	Valve	13579.93	36	0.312	52	0.16	0.05	17.57	1.86	0.275694	335	962	692	649	0.48	1.08							1250	Unknown		
14169	GirthWeld		52424.74		39.92	39.78	39.77	13880	Valve	52424.74	Valve	13571.18	36	0.312	52					0.070833	335			649									1250	Unknown		
14170	MELO-CORR	YES	52439.68		14.94	24.84	39.77	13880	Valve	52439.68	Valve	13556.24	36	0.312	52	0.16	0.05	1.14	0.20	0.138889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14172	CLUSTER	YES	52441.98		17.24	22.54	39.77	13880	Valve	52441.98	Valve	13553.94	36	0.312	52	0.2	0.06	10.96	2.33	6:12	335	952	685	649	0.49	1.10							1250	Unknown		
14179	MELO-CORR	YES	52443.73		18.99	20.79	39.77	13880	Valve	52443.73	Valve	13552.19	36	0.312	52	0.16	0.05	1.18	0.24	3:40	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14180	MELO-CORR	YES	52444.03		19.29	20.49	39.77	13880	Valve	52444.03	Valve	13551.89	36	0.312	52	0.19	0.06	1.14	0.16	0.357639	335	1068	769	649	0.44	1.18							1598	Metal Loss		
14181	MELO-CORR	YES	52445.93		21.19	18.59	39.77	13880	Valve	52445.93	Valve	13549.99	36	0.312	52	0.15	0.05	2.36	0.91	0.303472	335	1055	760	649	0.44	1.17							1598	Metal Loss		
14182	MELO-CORR	YES	52447.2		22.46	17.32	39.77	13880	Valve	52447.2	Valve	13548.72	36	0.312	52	0.16	0.05	1.14	0.63	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14183	MELO-CORR	YES	52451.21		26.47	13.3	39.77	13880	Valve	52451.21	Valve	13544.71	36	0.312	52	0.16	0.05	1.14	0.20	4:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14184	GirthWeld		52464.52		39.78	39.2	39.2	13890	Valve	52464.52	Valve	13531.4	36	0.312	52					3:02	335			649									1250	Unknown		
14185	MIFE	n/a	52468.1		3.58	35.62	39.2	13890	Valve	52468.1	Valve	13527.82	36	0.312	52					0.381944	335			649									2167	Mill Anomaly		
14186	GirthWeld		52503.72		39.2	8.89	8.89	13900	Valve	52503.72	Valve	13492.2	36	0.312	52					0.381944	335			649									1250	Unknown		
14187	GirthWeld		52512.61		8.89	27.42	27.43	13910	Valve	52512.61	Valve	13483.31	36	0.312	52					0.344444	335			649									1250	Unknown		
14188	GirthWeld		52540.03		27.42	39.71	39.7	13920	Valve	52540.03	Valve	13455.89	36	0.312	52					9:36	335			649									1250	Unknown		
14189	GirthWeld		52579.74		39.71	39.87	39.88	13930	Valve	52579.74	Valve	13416.18	36	0.312	52					12:22	335			649									1250	Unknown		
14190	GirthWeld		52619.61		39.87	39.3	39.3	13940	Valve	52619.61	Valve	13376.31	36	0.312	52					0.463889	335			649									1250	Unknown		
14191	GirthWeld		52658.91		39.3	39.85	39.85	13950	Valve	52658.91	Valve	13337.01	36	0.312	52					0.472222	335			649									1250	Unknown		
14192	GirthWeld		52698.76		39.85	38.98	38.98	13960	Valve	52698.76	Valve	13297.16	36	0.312	52					0.423611	335			649									1250	Unknown		
14193	GirthWeld		52737.74		38.98	39.83	39.83	13970	Valve	52737.74	Valve	13258.18	36	0.312	52					12:00	335			649									1250	Unknown		
14194	GirthWeld		52777.57		39.83	37.93	37.93	13980	Valve	52777.57	Valve	13218.35	36	0.312	52					1:50	335			649									1250	Unknown		
14195	GirthWeld		52815.5		37.93	39.06	39.05	13990	Valve	52815.5	Valve	13180.42	36	0.312	52					0.425	335			649									1250	Unknown		
14196	MELO-CORR	YES	52853.23		37.73	1.32	39.05	13990	Valve	52853.23	Valve	13142.69	36	0.312	52	0.15	0.05	1.18	0.20	0.276389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14197	GirthWeld		52854.56		39.06	38.35	38.35	14000	Valve	52854.56	Valve	13141.36	36	0.312	52					0.370139	335			649									1250	Unknown		
14199	CLUSTER	YES	52866.79		12.23	26.11	38.35	14000	Valve	52866.79	Valve	13129.13	36	0.312	52	0.15	0.05	9.02	2.45	6:15	335	992	714	649	0.47	1.11							1250	Unknown		
14204	CLUSTER	YES	52870.69		16.13	22.22	38.35	14000	Valve	52870.69	Valve	13125.23	36	0.312	52	0.16	0.05	24.61	4.84	6:14	335	954	687	649	0.49	1.08							1250	Unknown		
14219	CLUSTER	YES	52873.83		19.27	19.08	38.35	14000	Valve	52873.83	Valve	13122.09	36	0.312	52	0.17	0.05	8.27	1.79	0.261111	335	985	709	649	0.47	1.11							1250	Unknown		
14225	CLUSTER	YES	52874.92		20.36	17.99	38.35	14000	Valve	52874.92	Valve	13121	36	0.312	52	0.2	0.06	31.64	4.78	0.221528	335	917	660	649	0.51	1.08							1250	Unknown		
14241	MIFE	n/a	52878.21		23.65	14.69	38.35	14000	Valve	52878.21	Valve	13117.71	36	0.312	52					0.090278	335			649									2167	Mill Anomaly		
14243	CLUSTER	YES	52879.08		24.52	13.83	38.35	14000	Valve	52879.08	Valve	13116.84	36	0.312	52	0.15	0.05	4.30	1.51	5:25	335	1030	742	649	0.45	1.15							1250	Unknown		
14247	CLUSTER	YES	52883.09		28.53	9.81	38.35	14000	Valve	52883.09	Valve	13112.83	36	0.312	52	0.17	0.05	5.11	0.97	6:22	335	1013	729	649	0.46	1.14							1250	Unknown		
14250	CLUSTER	YES	52884.13		29.57	8.78	38.35	14000	Valve	52884.13	Valve	13111.79	36	0.312	52	0.17	0.05	31.56	5.15	0.220139	335	942	678	649	0.49	1.07							1250	Unknown		
14266	CLUSTER	YES	52886.31		31.75	6.6	38.35	14000	Valve	52886.31	Valve	13109.61	36	0.312	52	0.17	0.05	4.10	0.94	0.275	335	1026	739	649	0.45	1.15							1250	Unknown		
14269	GirthWeld		52892.9		38.35	39.85	39.85	14010	Valve	52892.9	Valve	13103.01	36	0.312	52					0.043056	335			649									1250	Unknown		
14271	CLUSTER	YES	52914.62		21.72	18.13	39.85	14010	Valve	52914.62	Valve	13081.3	36	0.312	52	0.21	0.07	18.04	1.54	5:39	335	924	665	649	0.50	1.07							1250	Unknown		
14278	GirthWeld		52932.75		39.85	39.71	39.7	14020	Valve	52932.75	Valve	13063.17	36	0.312	52					1:44	335			649									1250	Unknown		
14279	GirthWeld		52972.46		39.71	19.44	19.45	14030	Valve	52972.46	Valve	13023.46	36	0.312	52					0.406944	335			649									1250	Unknown		
14280	GirthWeld		52991.9		19.44	17.33	17.32	14040	Valve	52991.9	Valve	13004.01	36	0.312	52					0.456944	335			649									1250	Unknown		
14281	GirthWeld		53009.23		17.33	39.77	39.77	14050	Valve	53009.23	Valve	12986.69	36	0.312	52					0.411111	335			649									1250	Unknown		
14282	GirthWeld		53049		39.77	39.85	39.85	14060	Valve	53049	Valve	12946.92	36	0.312	52					12:14	335			649									1250	Unknown		
14283	GirthWeld		53088.85		39.85	39.74	39.74	14070	Valve	53088.85	Valve	12907.07	36	0.312	52					1:02	335			649									1250	Unknown		
14284	LWFE-MIFE	n/a	53128		39.15	0.59	39.74	14070	Valve	53128	Valve	12867.92	36	0.312	52	0.22	0.07	1.26	0.28	0.540278	335			649									3421	Mill Wall Thinning		
14285	GirthWeld		53128.59		39.74	39.64	39.64	14080	Valve	53128.59	Valve	12867.33	36	0.312	52					0.445833	335			649									1250	Unknown		
14286	GirthWeld		53168.23		39.64	39.66	39.66	14090	Valve	53168.23	Valve	12827.69	36	0.312	52					0.377778	335			649									1250	Unknown		
14287	MELO-CORR	YES	53192.86		24.63	15.04	39.66	14090	Valve	53192.86	Valve	12803.06	36	0.312	52	0.17	0.05	0.91	0.63	5:58	335	1071	771	649	0.43	1.19							1598	Metal Loss		
14289	CLUSTER	YES	53199.31		31.08	8.59	39.66	14090	Valve	53199.31	Valve	12796.61	36	0.312	52	0.16	0.05	2.52	0.38	6:07	335	1051	757	649	0.44	1.17							1250	Unknown		
14291	GirthWeld		53207.89		39.66	39.62	39.62	14100	Valve	53207.89	Valve	12788.03	36	0.312	52					0.527778	335			649									1250	Unknown		
14292	MELO-CORR	YES	53239.37		31.48	8.14	39.62	14100	Valve	53239.37	Valve	12756.55	36	0.312	52	0.15	0.05	1.22	0.43	0.152083	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14293	GirthWeld		53247.51		39.63	36.54	36.53	14110	Valve	53247.51	Valve	12748.4	36	0.312	52					0.072917	335			649									1250	Unknown		
14295	CLUSTER	YES	53263.91		16.4	20.14	36.53	14110	Valve	53263.91	Valve	12732.01	36	0.312	52	0.25	0.08	6.59	1.67	6:37	335	957	689	649	0.49	1.12							1250	Unknown		
14300	CLUSTER	YES	53265.11		17.6	18.94	36.53	14110	Valve	53265.11	Valve	12730.81	36	0.312	52	0.25	0.08	15.84	3.11	6:37	335	899	647	649	0.52	1.05							1250	Unknown		
14316	CLUSTER	YES	53269.74		22.23	14.31	36.53	14110	Valve	53269.74	Valve	12726.18	36	0.312	52	0.15	0.05	16.32	3.39	0.268056	335	971	699	649	0.48	1.09							1250	Unknown		
14326	CLUSTER	YES	53281.88		34.37	2.17	36.53	14110	Valve	53281.88	Valve	12714.04	36	0.312	52	0.16	0.05	17.32	5.15	0.230556	335	962	693	649	0.48	1.09							1250	Unknown		
14337	CLUSTER	YES	53283.19		35.68	0.85	36.53	14110	Valve	53283.19	Valve	12712.73	36	0.312	52	0.15	0.05	3.43	0.82	0.254167	335	1041	749	649	0.45	1.16							1250	Unknown		
14339	GirthWeld		53284.05		36.54	39.9	39.9	14120	Valve	53284.05	Valve	12711.87	36	0.312	52					11:07	335			649									1250	Unknown		
14341	CLUSTER	YES	53284.11		0.06	39.83	39.9	14120	Valve	53284.11	Valve	12711.81	36	0.312	52	0.16	0.05	18.71	7.70	5:29	335	960	691	649	0.48	1.09							1250	Unknown		
14356	CLUSTER	YES	53286.02		1.97	37.93	39.9	14120	Valve	53286.02	Valve	12709.9	36	0.312	52	0.16	0.05	3.78	0.72	0.23125	335	1034	744	649	0.45	1.15							1250	Unknown		
14359	CLUSTER	YES	53287.65		3.6	36.29	39.9	14120	Valve	53287.65	Valve	12708.26	36	0.312	52	0.25	0.08	5.54	0.60	0.229861	335	972	700	649	0.48	1.13							1250	Unknown		
14363	CLUSTER	YES	53288.4		4.35	35.54	39.9	14120	Valve	53288.4	Valve	12707.52	36	0.312	52	0.22	0.07	21.26	3.17	0.220833	335	911	656	649	0.51	1.07							1250	Unknown		
14372	CLUSTER	YES	53289.25		5.2	34.69	39.9	14120	Valve	53289.25	Valve	12706.67	36	0.312	52	0.15	0.05	31.48	3.43	6:27	335	958	690	649	0.49	1.08							1250	Unknown		
14390	CLUSTER	YES	53292.8		8.75	31.14	39.9	14120	Valve	53292.8	Valve	12703.12	36	0.312	52	0.18	0.06	10.54	1.82	6:33	335	967	696	649	0.48	1.09							1250	Unknown		
14392	MELO-CORR	YES	53292.89		8.84	31.05	39.9	14120	Valve	53292.89	Valve	12703.03	36	0.312	52	0.15	0.05	1.22	0.16	0.127083	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14398	CLUSTER	YES	53294.78		10.73	29.16	39.9	14120	Valve	53294.78	Valve	12701.14	36	0.312	52	0.15	0.05	6.30	1.13	0.232639	335	1010	727	649	0.46	1.12							1250	Unknown		
14402	CLUSTER	YES	53295.03		10.98	28.92	39.9	14120	Valve	53295.03	Valve	12700.89	36	0.312	52	0.15	0.05	16.90	2.36	0.263889	335	970	698	649	0.48	1.08							1250	Unknown		
14412	CLUSTER	YES	53295.82		11.77	28.12	39.9	14120	Valve	53295.82	Valve	12700.1	36	0.312	52	0.17	0.05	4.21	0.85	5:30	335	1025	738	649	0.45	1.14							1250	Unknown		
14417	CLUSTER	YES	53296.65		12.6	27.29	39.9	14120	Valve	53296.65	Valve	12699.27	36	0.312	52	0.16	0.05	9.31	1.38	6:24	335	985	709	649	0.47	1.11							1250	Unknown		
14424	CLUSTER	YES	53297.83		13.78	26.11	39.9	14120	Valve	53297.83	Valve	12698.09	36	0.312	52	0.26	0.08	18.26	1.76	0.263194	335	885	637	649	0.53	1.08							1250	Unknown		
14432	MELO-CORR	YES	53299.15		15.1	24.79	39.9	14120	Valve	53299.15	Valve	12696.77	36	0.312	52	0.15	0.05	1.14	0.20	0.239583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14435	CLUSTER	YES	53299.37		15.32	24.57	39.9	14120	Valve	53299.37	Valve	12696.55	36	0.312	52	0.16	0.05	10.49	1.04	0.238194	335	980	705	649	0.47	1.10							1250	Unknown		
14441	CLUSTER	YES	53300.05		16	23.9	39.9	14120	Valve	53300.05	Valve	12695.87	36	0.312	52	0.18	0.06	6.46	1.23	6:22	335	994	716	649	0.47	1.13							1250	Unknown		
14445	CLUSTER	YES	53301.16		17.11	22.78	39.9	14120	Valve	53301.16	Valve	12694.76	36	0.312	52	0.15	0.05	2.14	0.47	6:20	335	1058	762	649	0.44	1.17							1250	Unknown		
14447	MELO-CORR	YES	53301.44		17.39	22.51	39.9	14120	Valve	53301.44	Valve	12694.48	36	0.312	52	0.24	0.08	1.10	0.24	0.270139	335	1066	767	649	0.44	1.18							1598	Metal Loss		
14449	CLUSTER	YES	53301.52		17.47	22.43	39.9	14120	Valve	53301.52	Valve	12694.4	36	0.312	52	0.15	0.05	5.84	1.92	0.23125	335	1014	730	649	0.46	1.13							1250	Unknown		
14452	CLUSTER	YES	53301.66		17.61	22.29	39.9	14120	Valve	53301.66	Valve	12694.26	36	0.312	52	0.3	0.09	7.98	1.54	0.265972	335	911	656	649	0.51	1.05							1250	Unknown		
14461	CLUSTER	YES	53302.24		18.19	21.71	39.9	14120	Valve	53302.24	Valve	12693.68	36	0.312	52	0.2	0.06	6.96	1.07	5:42	335	979	705	649	0.48	1.11							1250	Unknown		
14465	MELO-CORR	YES	53302.66		18.61	21.29	39.9	14120	Valve	53302.66	Valve	12693.26	36	0.312	52	0.17	0.05	4.21	0.35	6:23	335	1024	738	649	0.45	1.14							1598	Metal Loss		
14466	MIFE	n/a	53302.93		18.88	21.02	39.9	14120	Valve	53302.93	Valve	12692.99	36	0.312	52					0.531944	335			649									2167	Mill Anomaly		
14467	AS_Casing		53304.66		20.61	19.29	39.9	14120	Valve	53304.66	Valve	12691.26	36	0.312	52						335			649									1590	Casing		
14468	MELO-CORR	YES	53308.27		24.22	15.68	39.9	14120	Valve	53308.27	Valve	12687.65	36	0.312	52	0.17	0.05	1.22	0.55	0.286111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
14470	CLUSTER	YES	53322.97		38.92	0.97	39.9	14120	Valve	53322.97	Valve	12672.95	36	0.312	52	0.15	0.05	8.52	1.86	5:44	335	995	716	649	0.47	1.11							1250	Unknown		
14476	GirthWeld		53323.95		39.89	39.11	39.12	14130	Valve	53323.95	Valve	12671.97	36	0.312	52					9:43	335			649									1250	Unknown		
14478	CLUSTER	YES	53324.86		0.91	38.21	39.12	14130	Valve	53324.86	Valve	12671.06	36	0.312	52	0.17	0.05	4.36	1.01	0.241667	335	1022	736	649	0.46	1.14							1250	Unknown		
14481	MELO-CORR	YES	53330.57		6.62	32.5	39.12	14130	Valve	53330.57	Valve	12665.35	36	0.312	52	0.15	0.05	1.22	0.32	0.278472	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14483	CLUSTER	YES	53331.03		7.08	32.04	39.12	14130	Valve	53331.03	Valve	12664.89	36	0.312	52	0.16	0.05	5.56	3.02	0.229167	335	1012	729	649	0.46	1.13							1250	Unknown		
14488	MELO-CORR	YES	53340.97		17.02	22.1	39.12	14130	Valve	53340.97	Valve	12654.95	36	0.312	52	0.15	0.05	3.15	0.94	6:15	335	1045	752	649	0.45	1.16							1598	Metal Loss		
14490	CLUSTER	YES	53345.84		21.89	17.22	39.12	14130	Valve	53345.84	Valve	12650.08	36	0.312	52	0.16	0.05	4.88	1.73	6:40	335	1020	734	649	0.46	1.13							1250	Unknown		
14494	CLUSTER	YES	53353.08		29.13	9.98	39.12	14130	Valve	53353.08	Valve	12642.84	36	0.312	52	0.24	0.08	14.08	3.55	0.269444	335	911	656	649	0.51	1.09							1250	Unknown		
14501	CLUSTER	YES	53357.88		33.93	5.19	39.12	14130	Valve	53357.88	Valve	12638.04	36	0.312	52	0.15	0.05	13.67	3.43	0.25625	335	976	703	649	0.48	1.08							1250	Unknown		
14510	MELO-CORR	YES	53359.31		35.36	3.76	39.12	14130	Valve	53359.31	Valve	12636.61	36	0.312	52	0.18	0.06	0.98	0.39	0.277083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14511	GirthWeld		53363.06		39.11	39.84	39.84	14140	Valve	53363.06	Valve	12632.86	36	0.312	52					12:33	335			649									1250	Unknown		
14512	MELO-CORR	YES	53377.96		14.9	24.95	39.84	14140	Valve	53377.96	Valve	12617.96	36	0.312	52	0.17	0.05	0.98	0.71	6:11	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14514	CLUSTER	YES	53381.2		18.14	21.71	39.84	14140	Valve	53381.2	Valve	12614.72	36	0.312	52	0.21	0.07	1.43	0.91	0.240278	335	1063	765	649	0.44	1.18							1250	Unknown		
14517	CLUSTER	YES	53396.74		33.68	6.16	39.84	14140	Valve	53396.74	Valve	12599.18	36	0.312	52	0.15	0.05	2.02	1.10	0.239583	335	1060

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
14558	CLUSTER	YES	53712.48		19.67	18.74	38.41	14230	Valve	53712.48	Valve	12283.44	36	0.312	52	0.16	0.05	7.33	1.29	6:28	335	997	718	649	0.47	1.11							1250	Unknown		
14563	CLUSTER	YES	53713.2		20.39	18.02	38.41	14230	Valve	53713.2	Valve	12282.72	36	0.312	52	0.18	0.06	34.49	1.76	6:28	335	932	671	649	0.50	1.07							1250	Unknown		
14569	CLUSTER	YES	53714.26		21.45	16.96	38.41	14230	Valve	53714.26	Valve	12281.66	36	0.312	52	0.15	0.05	22.07	1.89	0.229861	335	964	694	649	0.48	1.08							1250	Unknown		
14588	CLUSTER	YES	53716.29		23.48	14.93	38.41	14230	Valve	53716.29	Valve	12279.63	36	0.312	52	0.17	0.05	10.91	0.88	0.229861	335	971	699	649	0.48	1.09							1250	Unknown		
14594	CLUSTER	YES	53718.34		25.53	12.88	38.41	14230	Valve	53718.34	Valve	12277.58	36	0.312	52	0.15	0.05	13.56	1.07	0.268056	335	976	703	649	0.48	1.09							1250	Unknown		
14600	CLUSTER	YES	53720.61		27.81	10.6	38.41	14230	Valve	53720.61	Valve	12275.31	36	0.312	52	0.2	0.06	9.90	2.42	5:35	335	957	689	649	0.49	1.10							1250	Unknown		
14607	CLUSTER	YES	53722.15		29.34	9.07	38.41	14230	Valve	53722.15	Valve	12273.77	36	0.312	52	0.17	0.05	7.81	1.23	5:38	335	988	712	649	0.47	1.10							1250	Unknown		
14611	CLUSTER	YES	53722.74		29.93	8.48	38.41	14230	Valve	53722.74	Valve	12273.18	36	0.312	52	0.16	0.05	5.78	0.82	0.260417	335	1010	727	649	0.46	1.12							1250	Unknown		
14614	CLUSTER	YES	53723.49		30.68	7.72	38.41	14230	Valve	53723.49	Valve	12272.43	36	0.312	52	0.21	0.07	8.88	0.97	0.240278	335	957	689	649	0.49	1.08							1250	Unknown		
14619	GirthWeld		53731.22		38.41	39.63	39.63	14240	Valve	53731.22	Valve	12264.7	36	0.312	52					0.438889	335			649									1250	Unknown		
14620	GirthWeld		53770.85		39.63	39.12	39.12	14250	Valve	53770.85	Valve	12225.07	36	0.312	52					9:48	335			649									1250	Unknown		
14621	GirthWeld		53809.97		39.12	39.77	39.77	14260	Valve	53809.97	Valve	12185.95	36	0.312	52					2:14	335			649									1250	Unknown		
14622	GirthWeld		53849.74		39.77	39.59	39.59	14270	Valve	53849.74	Valve	12146.18	36	0.312	52					0.043056	335			649									1250	Unknown		
14623	GirthWeld		53889.33		39.59	39.86	39.86	14280	Valve	53889.33	Valve	12106.59	36	0.312	52					0.502778	335			649									1250	Unknown		
14624	GirthWeld		53929.19		39.86	33.26	33.26	14290	Valve	53929.19	Valve	12066.73	36	0.312	52					0.4375	335			649									1250	Unknown		
14625	MELO-CORR	YES	53953.95		24.76	8.5	33.26	14290	Valve	53953.95	Valve	12041.97	36	0.312	52	0.15	0.05	1.18	0.35	5:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14626	MELO-CORR	YES	53957.27		28.08	5.18	33.26	14290	Valve	53957.27	Valve	12038.65	36	0.312	52	0.15	0.05	1.18	0.20	6:23	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14627	GirthWeld		53962.45		33.26	39.99	39.99	14300	Valve	53962.45	Valve	12033.47	36	0.312	52					0.139583	335			649									1250	Unknown		
14628	MELO-CORR	YES	53974.1		11.65	28.34	39.99	14300	Valve	53974.1	Valve	12021.82	36	0.312	52	0.15	0.05	1.18	0.79	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14630	CLUSTER	YES	53974.86		12.41	27.58	39.99	14300	Valve	53974.86	Valve	12021.06	36	0.312	52	0.3	0.09	36.80	3.99	0.236111	335	830	598	649	0.56	1.00							1250	Unknown		
14652	CLUSTER	YES	53978.81		16.36	23.63	39.99	14300	Valve	53978.81	Valve	12017.11	36	0.312	52	0.24	0.08	23.96	2.80	6:17	335	892	642	649	0.52	1.06							1250	Unknown		
14658	CLUSTER	YES	53979.23		16.78	23.22	39.99	14300	Valve	53979.23	Valve	12016.69	36	0.312	52	0.15	0.05	4.49	0.44	5:36	335	1028	740	649	0.45	1.14							1250	Unknown		
14670	CLUSTER	YES	53982.11		19.67	20.33	39.99	14300	Valve	53982.11	Valve	12013.81	36	0.312	52	0.17	0.05	16.48	2.26	0.261806	335	956	688	649	0.49	1.08							1250	Unknown		
14676	MELO-CORR	YES	53983.83		21.38	18.62	39.99	14300	Valve	53983.83	Valve	12012.09	36	0.312	52	0.16	0.05	1.10	0.16	0.274306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14678	CLUSTER	YES	53997.63		35.18	4.82	39.99	14300	Valve	53997.63	Valve	11998.29	36	0.312	52	0.22	0.07	8.46	1.07	0.2625	335	955	687	649	0.49	1.09							1250	Unknown		
14683	MELO-CORR	YES	53999.87		37.42	2.58	39.99	14300	Valve	53999.87	Valve	11996.05	36	0.312	52	0.15	0.05	1.18	0.24	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14684	GirthWeld		54002.44		39.99	39.76	39.75	14310	Valve	54002.44	Valve	11993.48	36	0.312	52					1:36	335			649									1250	Unknown		
14685	MELO-CORR	YES	54004.4		1.96	37.8	39.75	14310	Valve	54004.4	Valve	11991.52	36	0.312	52	0.15	0.05	1.18	0.32	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14686	GirthWeld		54042.2		39.76	39.63	39.64	14320	Valve	54042.2	Valve	11953.72	36	0.312	52					0.438889	335			649									1250	Unknown		
14687	GirthWeld		54081.83		39.63	39.3	39.29	14330	Valve	54081.83	Valve	11914.09	36	0.312	52					0.484028	335			649									1250	Unknown		
14688	GirthWeld		54121.13		39.3	39.85	39.86	14340	Valve	54121.13	Valve	11874.79	36	0.312	52					12:41	335			649									1250	Unknown		
14689	GirthWeld		54160.98		39.85	39.74	39.74	14350	Valve	54160.98	Valve	11834.94	36	0.312	52					2:04	335			649									1250	Unknown		
14690	GirthWeld		54200.72		39.74	39.77	39.77	14360	Valve	54200.72	Valve	11795.2	36	0.312	52					0.488889	335			649									1250	Unknown		
14691	GirthWeld		54240.49		39.77	39.73	39.73	14370	Valve	54240.49	Valve	11755.43	36	0.312	52					0.447917	335			649									1250	Unknown		
14692	GirthWeld		54280.22		39.73	39.29	39.29	14380	Valve	54280.22	Valve	11715.7	36	0.312	52					0.127083	335			649									1250	Unknown		
14693	GirthWeld		54319.51		39.29	39.46	39.47	14390	Valve	54319.51	Valve	11676.41	36	0.312	52					1:14	335			649									1250	Unknown		
14694	GirthWeld		54358.97		39.46	37.76	37.76	14400	Valve	54358.97	Valve	11636.95	36	0.312	52					10:54	335			649									1250	Unknown		
14695	GirthWeld		54396.73		37.76	39.95	39.95	14410	Valve	54396.73	Valve	11599.19	36	0.312	52					0.402778	335			649									1250	Unknown		
14697	CLUSTER	YES	54402.77		6.04	33.91	39.95	14410	Valve	54402.77	Valve	11593.15	36	0.312	52	0.2	0.06	4.82	2.80	0.247222	335	1005	723	649	0.46	1.12							1250	Unknown		
14702	CLUSTER	YES	54406.08		9.35	30.6	39.95	14410	Valve	54406.08	Valve	11589.84	36	0.312	52	0.17	0.05	8.42	2.64	0.272917	335	984	709	649	0.47	1.11							1250	Unknown		
14706	MELO-CORR	YES	54410.11		13.38	26.57	39.95	14410	Valve	54410.11	Valve	11585.81	36	0.312	52	0.16	0.05	2.76	0.79	6:17	335	1048	755	649	0.44	1.16							1598	Metal Loss		
14708	CLUSTER	YES	54416.77		20.04	19.91	39.95	14410	Valve	54416.77	Valve	11579.15	36	0.312	52	0.16	0.05	13.52	4.37	5:24	335	970	698	649	0.48	1.08							1250	Unknown		
14716	CLUSTER	YES	54419.69		22.96	16.99	39.95	14410	Valve	54419.69	Valve	11576.23	36	0.312	52	0.2	0.06	43.93	4.71	0.265278	335	910	655	649	0.51	1.04							1250	Unknown		
14744	CLUSTER	YES	54424.62		27.89	12.06	39.95	14410	Valve	54424.62	Valve	11571.3	36	0.312	52	0.17	0.05	14.83	4.09	0.254167	335	959	691	649	0.48	1.09							1250	Unknown		
14756	GirthWeld		54436.68		39.95	38.91	38.91	14420	Valve	54436.68	Valve	11559.24	36	0.312	52					0.470833	335			649									1250	Unknown		
14758	CLUSTER	YES	54448.68		12	26.91	38.91	14420	Valve	54448.68	Valve	11547.24	36	0.312	52	0.15	0.05	5.10	1.26	6:56	335	1021	735	649	0.46	1.14							1250	Unknown		
14762	MELO-CORR	YES	54450.37		13.69	25.22	38.91	14420	Valve	54450.37	Valve	11545.55	36	0.312	52	0.16	0.05	1.22	0.20	7:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14763	MELO-CORR	YES	54463.9		27.22	11.69	38.91	14420	Valve	54463.9	Valve	11532.02	36	0.312	52	0.17	0.05	1.18	0.24	0.294444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14764	GirthWeld		54475.59		38.91	39.83	39.83	14430	Valve	54475.59	Valve	11520.33	36	0.312	52					0.493056	335			649									1250	Unknown		
14765	GirthWeld		54515.42		39.83	39.81	39.81	14440	Valve	54515.42	Valve	11480.5	36	0.312	52					0.369444	335			649									1250	Unknown		
14766	GirthWeld		54555.23		39.81	39.53	39.53	14450	Valve	54555.23	Valve	11440.69	36	0.312	52					11:10	335			649									1250	Unknown		
14767	GirthWeld		54594.76		39.53	39.39	39.39	14460	Valve	54594.76	Valve	11401.16	36	0.312	52					12:42	335			649									1250	Unknown		
14768	GirthWeld		54634.15		39.39	39.78	39.78	14470	Valve	54634.15	Valve	11361.77	36	0.312	52					0.476389	335			649									1250	Unknown		
14769	GirthWeld		54673.93		39.78	38.37	38.37	14480	Valve	54673.93	Valve	11321.99	36	0.312	52					0.436111	335			649									1250	Unknown		
14770	GirthWeld		54712.3		38.37	39.2	39.2	14490	Valve	54712.3	Valve	11283.62	36	0.312	52					0.370833	335			649									1250	Unknown		
14771	GirthWeld		54751.5		39.2	40.02	40.02	14500	Valve	54751.5	Valve	11244.42	36	0.312	52					2:18	335			649									1250	Unknown		
14773	CLUSTER	YES	54772.64		21.14	18.88	40.02	14500	Valve	54772.64	Valve	11223.28	36	0.312	52	0.17	0.05	7.37	0.63	6:09	335	992	714	649	0.47	1.12							1250	Unknown		
14776	CLUSTER	YES	54779.77		28.27	11.75	40.02	14500	Valve	54779.77	Valve	11216.15	36	0.312	52	0.15	0.05	8.29	1.92	0.235417	335	996	717	649	0.47	1.10							1250	Unknown		
14782	CLUSTER	YES	54785.01		33.51	6.51	40.02	14500	Valve	54785.01	Valve	11210.91	36	0.312	52	0.18	0.06	3.95	1.32	0.267361	335	1025	738	649	0.45	1.14							1250	Unknown		
14784	GirthWeld		54791.52		40.02	27.06	27.06	14510	Valve	54791.52	Valve	11204.4	36	0.312	52					0.161806	335			649									1250	Unknown		
14785	MELO-CORR	YES	54800.88		9.36	17.7	27.06	14510	Valve	54800.88	Valve	11195.04	36	0.312	52	0.16	0.05	1.18	0.20	5:36	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14786	MELO-CORR	YES	54807.66		16.14	10.92	27.06	14510	Valve	54807.66	Valve	11188.26	36	0.312	52	0.17	0.05	1.22	0.16	5:50	335	1068	769	649	0.44	1.18							1598	Metal Loss		
14788	CLUSTER	YES	54810.32		18.8	8.25	27.06	14510	Valve	54810.32	Valve	11185.6	36	0.312	52	0.15	0.05	4.31	1.04	0.269444	335	1030	742	649	0.45	1.14							1250	Unknown		
14790	MELO-CORR	YES	54813.59		22.07	4.99	27.06	14510	Valve	54813.59	Valve	11182.33	36	0.312	52	0.15	0.05	0.91	0.39	0.240278	335	1071	771	649	0.43	1.19							1598	Metal Loss		
14791	MELO-CORR	YES	54817.79		26.27	0.79	27.06	14510	Valve	54817.79	Valve	11178.13	36	0.312	52	0.24	0.08	1.06	0.20	0.236111	335	1066	768	649	0.44	1.18							1598	Metal Loss		
14792	GirthWeld		54818.58		27.06	39.88	39.88	14520	Valve	54818.58	Valve	11177.34	36	0.312	52					9:58	335			649									1250	Unknown		
14793	MELO-CORR	YES	54819.06		0.48	39.4	39.88	14520	Valve	54819.06	Valve	11176.86	36	0.312	52	0.15	0.05	1.10	0.39	5:34	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14795	CLUSTER	YES	54833.33		14.75	25.13	39.88	14520	Valve	54833.33	Valve	11162.59	36	0.312	52	0.17	0.05	12.62	2.80	0.265278	335	965	695	649	0.48	1.09							1250	Unknown		
14806	CLUSTER	YES	54837.38		18.8	21.08	39.88	14520	Valve	54837.38	Valve	11158.54	36	0.312	52	0.2	0.06	10.62	0.69	0.233333	335	953	686	649	0.49	1.10							1250	Unknown		
14810	CLUSTER	YES	54842.32		23.74	16.14	39.88	14520	Valve	54842.32	Valve	11153.6	36	0.312	52	0.15	0.05	9.84	1.04	0.228472	335	988	712	649	0.47	1.11							1250	Unknown		
14815	CLUSTER	YES	54843.88		25.3	14.58	39.88	14520	Valve	54843.88	Valve	11152.04	36	0.312	52	0.19	0.06	14.40	0.94	6:35	335	946	681	649	0.49	1.05							1250	Unknown		
14822	CLUSTER	YES	54844.87		26.29	13.59	39.88	14520	Valve	54844.87	Valve	11151.05	36	0.312	52	0.17	0.05	23.08	2.17	5:29	335	948	682	649	0.49	1.07							1250	Unknown		
14824	CLUSTER	YES	54845.19		26.61	13.27	39.88	14520	Valve	54845.19	Valve	11150.73	36	0.312	52	0.37	0.12	15.71	1.32	0.268056	335	807	581	649	0.58	0.97							1250	Unknown		
14838	MELO-CORR	YES	54846.66		28.08	11.8	39.88	14520	Valve	54846.66	Valve	11149.26	36	0.312	52	0.19	0.06	1.18	0.47	0.273611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
14840	CLUSTER	YES	54847.47		28.89	10.99	39.88	14520	Valve	54847.47	Valve	11148.45	36	0.312	52	0.17	0.05	2.38	0.66	0.26875	335	1052	758	649	0.44	1.17							1250	Unknown		
14842	GirthWeld		54858.46		39.88	39.21	39.21	14530	Valve	54858.46	Valve	11137.46	36	0.312	52					10:44	335			649									1250	Unknown		
14843	MELO-CORR	YES	54885.63		27.17	12.04	39.21	14530	Valve	54885.63	Valve	11110.29	36	0.312	52	0.16	0.05	1.18	0.20	7:18	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14844	MELO-CORR	YES	54887.08		28.62	10.59	39.21	14530	Valve	54887.08	Valve	11108.84	36	0.312	52	0.18	0.06	1.18	0.24	0.302083	335	1068	769	649	0.44	1.18							1598	Metal Loss		
14845	MELO-CORR	YES	54894.07		35.61	3.6	39.21	14530	Valve	54894.07	Valve	11101.85	36	0.312	52	0.17	0.05	1.18	0.24	0.297222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
14846	GirthWeld		54897.67		39.21	39.78	39.79	14540	Valve	54897.67	Valve	11098.25	36	0.312	52					0.126389	335			649									1250	Unknown		
14848	CLUSTER	YES	54899.77		2.1	37.68	39.79	14540	Valve	54899.77	Valve	11096.15	36	0.312	52	0.16	0.05	19.36	3.43	5:14	335	959	691	649	0.49	1.09							1250	Unknown		
14862	MELO-CORR	YES	54901.21		3.54	36.24	39.79	14540	Valve	54901.21	Valve	11094.71	36	0.312	52	0.15	0.05	1.10	0.20	7:10	335	1070	770	649	0.43	1.19							1598	Metal Loss		
14864	MELO-CORR	YES	54901.97		4.3	35.48	39.79	14540	Valve	54901.97	Valve	11093.95	36	0.312	52	0.16	0.05	1.10	0.20	0.313889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
14865	MELO-CORR	YES	54907.11		9.44	30.34	39.79	14540	Valve	54907.11	Valve	11088.81	36	0.312	52	0.17	0.05	1.14	0.20	0.315972	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14867	CLUSTER	YES	54934.44		36.77	3.01	39.79	14540	Valve	54934.44	Valve	11061.48	36	0.312	52	0.25	0.08	31.60	2.14	0.254167	335	877	631	649	0.53	1.08							1250	Unknown		
14884	GirthWeld		54937.45		39.78	39.97	39.96	14550	Valve	54937.45	Valve	11058.47	36	0.312	52					1:34	335			649									1250	Unknown		
14886	CLUSTER	YES	54937.77		0.32	39.64	39.96	14550	Valve	54937.77	Valve	11058.15	36	0.312	52	0.39	0.12	8.47	1.23	5:44	335	846	609	649	0.55	1.09							1250	Unknown		
14892	CLUSTER	YES	54940.83		3.38	36.58	39.96	14550	Valve	54940.83	Valve	11055.09	36	0.312	52	0.16	0.05	7.10	0.76	0.226389	335	999	719	649	0.47	1.11							1250	Unknown		
14896	CLUSTER	YES	54945.06		7.61	32.36	39.96	14550	Valve	54945.06	Valve	11050.86	36	0.312	52	0.16	0.05	12.12	0.69	0.232639	335	974	701	649	0.48	1.10							1250	Unknown		
14901	CLUSTER	YES	54949.73		12.28	27.68	39.96	14550	Valve	54949.73	Valve	11046.19	36	0.312	52	0.2	0.06	19.79	3.77	0.268056	335	928	668	649	0.50	1.08							1250	Unknown		
14909	MELO-CORR	YES	54951.55		14.1	25.86	39.96	14550	Valve	54951.55	Valve	11044.37	36	0.312	52	0.17	0.05	1.14	0.16	5:25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
14911	CLUSTER	YES	54952.57		15.12	24.84	39.96	14550	Valve	54952.57	Valve	11043.35	36	0.312	52	0.26	0.08	37.51	3.68	5:20	335	863	622	649	0.54	1.04							1250	Unknown		
14913	CLUSTER	YES	54952.61		15.16	24.81	39.96	14550	Valve	54952.61	Valve	11043.31	36	0.312	52	0.24	0.08	18.17	3.14	0.265972	335	901	649	649	0.52	1.06							1250	Unknown		
14929	CLUSTER	YES	54953.92		16.47	23.49	39.96	14550	Valve	54953.92	Valve	11042	36	0.312	52	0.15	0.05	5.10	1.54	0.188889	335	1021	735	649	0.46	1.13							1250	Unknown		
14944	CLUSTER	YES	54956.89		19.44	20.53	39.96	14550	Valve	54956.89	Valve	11039.03	36	0.312	52	0.19	0.06	10.56	1.64	0.24375	335	960	691	649	0.48	1.09							1250	Unknown		
14951	GirthWeld		54977.42		39.97	39.17	39.18	14560	Valve	54977.42	Valve	11018.5	36	0.312	52					10:50	335			649									1250	Unknown		
14952	GirthWeld		55016.59		39.17	39.68	39.67	14570	Valve	55016.59	Valve	10979.33	36	0.312	52					9:04	335			649									1250	Unknown		
14953	GirthWeld		55056.27		39.68	39.77	39.77	14580	Valve	55056.27	Valve	10939.65	36	0.312	52					0.531944	335			649									1250	Unknown		
14954	GirthWeld		55096.04		39.77	39.66	39.67	14590	Valve	55096.04	Valve	10899.88	36	0.312	52					0.077778	335			649									1250	Unknown		
14955	GirthWeld		55135.7		39.66	39.18	39.18	14600	Valve	55135.7	Valve	10860.22	36	0.312	52					0.383333	335			649									1250	Unknown		
14956	GirthWeld		55174.88		39.18	32.43	32.42	14610	Valve	55174.88	Valve	10821.04	36	0.312	52					10:26	335			649									1250	Unknown		
14957	GirthWeld		55207.31		32.43	39.25	39.26	14620	Valve	55207.31	Valve	10788.61	36	0.312	52					2:26	335			649									1250	Unknown		
14958	GirthWeld		55246.56		39.25	39.66	39.66	14630	Valve	55246.56	Valve	10749.36	36	0.312	52					0.05	335			649									1250	Unknown		
14959	GirthWeld		55286.22		39.67	39.83	39.82	14640	Valve	55286.22	Valve	10709.7	36	0.312	52					0.463889	335			649									1250	Unknown		
14960	GirthWeld		55326.05		39.83	33.03	33.03	14650	Valve	55326.05	Valve	10669.87	36	0.312	52					0.055556	335			649									1250

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
14988	AE_Casing		55637.66		28.33	11.54	39.86	14740	Valve	55637.66	Valve	10358.26	36	0.312	52						335			649									1590	Casing		
14989	GirthWeld		55649.2		39.86	39.96	39.95	14750	Valve	55649.2	Valve	10346.72	36	0.312	52					12:24	335			649									1250	Unknown		
14991	CLUSTER	YES	55657.91		8.71	31.24	39.95	14750	Valve	55657.91	Valve	10338.01	36	0.312	52	0.17	0.05	49.13	4.12	0.259722	335	933	672	649	0.50	1.06							1250	Unknown		
15019	CLUSTER	YES	55664.59		15.39	24.56	39.95	14750	Valve	55664.59	Valve	10331.33	36	0.312	52	0.15	0.05	12.64	3.08	0.269444	335	979	705	649	0.48	1.10							1250	Unknown		
15028	CLUSTER	YES	55667.18		17.98	21.97	39.95	14750	Valve	55667.18	Valve	10328.74	36	0.312	52	0.18	0.06	7.24	0.41	0.23125	335	987	711	649	0.47	1.10							1250	Unknown		
15031	GirthWeld		55689.15		39.95	39.75	39.75	14760	Valve	55689.15	Valve	10306.77	36	0.312	52					1:40	335			649									1250	Unknown		
15032	MIFE	n/a	55689.42		0.27	39.48	39.75	14760	Valve	55689.42	Valve	10306.5	36	0.312	52					1:14	335			649									2167	Mill Anomaly		
15033	GirthWeld		55728.9		39.75	39.28	39.28	14770	Valve	55728.9	Valve	10267.02	36	0.312	52					0.459028	335			649									1250	Unknown		
15034	GirthWeld		55768.18		39.28	39.76	39.76	14780	Valve	55768.18	Valve	10227.74	36	0.312	52					0.406944	335			649									1250	Unknown		
15035	MIFE	n/a	55788.34		20.16	19.6	39.76	14780	Valve	55788.34	Valve	10207.58	36	0.312	52					0.402083	335			649								near seam weld	2167	Mill Anomaly		
15036	GirthWeld		55807.94		39.76	39.42	39.43	14790	Valve	55807.94	Valve	10187.98	36	0.312	52					1:04	335			649									1250	Unknown		
15037	GirthWeld		55847.36		39.42	39.82	39.82	14800	Valve	55847.36	Valve	10148.56	36	0.312	52					12:08	335			649									1250	Unknown		
15038	MELO-CORR	YES	55875.71		28.35	11.47	39.82	14800	Valve	55875.71	Valve	10120.21	36	0.312	52	0.17	0.05	1.10	0.20	0.254167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15039	GirthWeld		55887.18		39.82	39.28	39.28	14810	Valve	55887.18	Valve	10108.74	36	0.312	52					0.388889	335			649									1250	Unknown		
15040	GirthWeld		55926.46		39.28	39.69	39.69	14820	Valve	55926.46	Valve	10069.46	36	0.312	52					0.443056	335			649									1250	Unknown		
15041	GirthWeld		55966.15		39.69	39.43	39.43	14830	Valve	55966.15	Valve	10029.77	36	0.312	52					12:58	335			649									1250	Unknown		
15042	GirthWeld		56005.58		39.43	30.93	30.94	14840	Valve	56005.58	Valve	9990.34	36	0.312	52					12:24	335			649									1250	Unknown		
15044	CLUSTER	YES	56014.89		9.31	21.63	30.94	14840	Valve	56014.89	Valve	9981.03	36	0.312	52	0.15	0.05	1.62	1.01	0.245833	335	1065	766	649	0.44	1.18							1250	Unknown		
15046	GirthWeld		56036.51		30.93	39.13	39.13	14850	Valve	56036.51	Valve	9959.41	36	0.312	52					0.408333	335			649									1250	Unknown		
15047	GirthWeld		56075.64		39.13	39.43	39.43	14860	Valve	56075.64	Valve	9920.28	36	0.312	52					0.445833	335			649									1250	Unknown		
15048	GirthWeld		56115.07		39.43	39.87	39.87	14870	Valve	56115.07	Valve	9880.85	36	0.312	52					1:51	335			649									1250	Unknown		
15049	MELO-CORR	YES	56119.5		4.43	35.44	39.87	14870	Valve	56119.5	Valve	9876.42	36	0.312	52	0.16	0.05	1.22	0.16	5:32	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15050	MELO-CORR	YES	56119.69		4.62	35.25	39.87	14870	Valve	56119.69	Valve	9876.23	36	0.312	52	0.16	0.05	1.10	0.20	0.286806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15051	MELO-CORR	YES	56120.33		5.26	34.61	39.87	14870	Valve	56120.33	Valve	9875.59	36	0.312	52	0.18	0.06	1.10	0.20	0.282639	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15052	GirthWeld		56154.94		39.87	39.09	39.09	14880	Valve	56154.94	Valve	9840.98	36	0.312	52					0.5125	335			649									1250	Unknown		
15053	GirthWeld		56194.03		39.09	39.82	39.82	14890	Valve	56194.03	Valve	9801.89	36	0.312	52					10:02	335			649									1250	Unknown		
15054	GirthWeld		56233.85		39.82	39.09	39.09	14900	Valve	56233.85	Valve	9762.07	36	0.312	52					10:40	335			649									1250	Unknown		
15055	GirthWeld		56272.94		39.09	38.92	38.92	14910	Valve	56272.94	Valve	9722.98	36	0.312	52					0.073611	335			649									1250	Unknown		
15056	GirthWeld		56311.86		38.92	38.06	38.05	14920	Valve	56311.86	Valve	9684.06	36	0.312	52					0.5125	335			649									1250	Unknown		
15057	GirthWeld		56349.92		38.06	39.75	39.76	14930	Valve	56349.92	Valve	9646	36	0.312	52					0.433333	335			649									1250	Unknown		
15058	GirthWeld		56389.67		39.75	30.62	30.62	14940	Valve	56389.67	Valve	9606.25	36	0.312	52					9:36	335			649									1250	Unknown		
15059	GirthWeld		56420.29		30.62	38.7	38.69	14950	Valve	56420.29	Valve	9575.63	36	0.312	52					2:02	335			649									1250	Unknown		
15060	GirthWeld		56458.99		38.7	39.21	39.21	14960	Valve	56458.99	Valve	9536.93	36	0.312	52					0.151389	335			649									1250	Unknown		
15061	GirthWeld		56498.2		39.21	39.37	39.37	14970	Valve	56498.2	Valve	9497.72	36	0.312	52					0.372222	335			649									1250	Unknown		
15062	MELO-CORR	YES	56509.05		10.85	28.52	39.37	14970	Valve	56509.05	Valve	9486.87	36	0.312	52	0.16	0.05	1.10	0.16	0.21875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15063	MELO-CORR	YES	56513.59		15.39	23.98	39.37	14970	Valve	56513.59	Valve	9482.33	36	0.312	52	0.15	0.05	1.14	0.16	7:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15065	CLUSTER	YES	56519.07		20.87	18.5	39.37	14970	Valve	56519.07	Valve	9476.85	36	0.312	52	0.18	0.06	12.25	2.99	5:54	335	960	691	649	0.48	1.08							1250	Unknown		
15076	CLUSTER	YES	56522.62		24.42	14.94	39.37	14970	Valve	56522.62	Valve	9473.3	36	0.312	52	0.17	0.05	12.86	8.07	0.235417	335	965	695	649	0.48	1.09							1250	Unknown		
15090	CLUSTER	YES	56532.42		34.22	5.14	39.37	14970	Valve	56532.42	Valve	9463.5	36	0.312	52	0.15	0.05	6.23	1.32	0.258333	335	1011	728	649	0.46	1.13							1250	Unknown		
15094	GirthWeld		56537.57		39.37	39.28	39.28	14980	Valve	56537.57	Valve	9458.35	36	0.312	52					0.420833	335			649									1250	Unknown		
15095	GirthWeld		56576.85		39.28	39.84	39.84	14990	Valve	56576.85	Valve	9419.07	36	0.312	52					3:54	335			649									1250	Unknown		
15096	GirthWeld		56616.69		39.84	39.77	39.77	15000	Valve	56616.69	Valve	9379.23	36	0.312	52					2:22	335			649									1250	Unknown		
15097	GirthWeld		56656.46		39.76	39.76	39.76	15010	Valve	56656.46	Valve	9339.46	36	0.312	52					0.443056	335			649									1250	Unknown		
15098	GirthWeld		56696.22		39.76	39.79	39.79	15020	Valve	56696.22	Valve	9299.7	36	0.312	52					0.475	335			649									1250	Unknown		
15099	GirthWeld		56736.01		39.79	39.86	39.86	15030	Valve	56736.01	Valve	9259.91	36	0.312	52					0.108333	335			649									1250	Unknown		
15100	GirthWeld		56775.87		39.86	38.63	38.63	15040	Valve	56775.87	Valve	9220.05	36	0.312	52					1:16	335			649									1250	Unknown		
15101	GirthWeld		56814.5		38.63	39.83	39.83	15050	Valve	56814.5	Valve	9181.42	36	0.312	52					11:46	335			649									1250	Unknown		
15102	GirthWeld		56854.33		39.83	38.9	38.9	15060	Valve	56854.33	Valve	9141.59	36	0.312	52					0.445833	335			649									1250	Unknown		
15103	GirthWeld		56893.23		38.9	39.8	39.81	15070	Valve	56893.23	Valve	9102.69	36	0.312	52					0.041667	335			649									1250	Unknown		
15104	GirthWeld		56933.03		39.8	39.76	39.76	15080	Valve	56933.03	Valve	9062.89	36	0.312	52					0.072222	335			649									1250	Unknown		
15105	GirthWeld		56972.79		39.76	39.82	39.81	15090	Valve	56972.79	Valve	9023.13	36	0.312	52					10:20	335			649									1250	Unknown		
15106	GirthWeld		57012.61		39.82	39.8	39.81	15100	Valve	57012.61	Valve	8983.31	36	0.312	52					11:14	335			649									1250	Unknown		
15107	GirthWeld		57052.41		39.8	39.86	39.86	15110	Valve	57052.41	Valve	8943.51	36	0.312	52					0.041667	335			649									1250	Unknown		
15108	GirthWeld		57092.27		39.86	39.14	39.14	15120	Valve	57092.27	Valve	8903.65	36	0.312	52					0.090278	335			649									1250	Unknown		
15110	CLUSTER	YES	57116.55		24.28	14.86	39.14	15120	Valve	57116.55	Valve	8879.37	36	0.312	52	0.15	0.05	9.36	1.01	0.263889	335	991	713	649	0.47	1.11							1250	Unknown		
15114	GirthWeld		57131.41		39.14	39.8	39.8	15130	Valve	57131.41	Valve	8864.51	36	0.312	52					10:02	335			649									1250	Unknown		
15115	MELO-CORR	YES	57152.83		21.42	18.38	39.8	15130	Valve	57152.83	Valve	8843.09	36	0.312	52	0.15	0.05	2.52	1.06	6:16	335	1053	758	649	0.44	1.17							1598	Metal Loss		
15116	GirthWeld		57171.21		39.8	39.81	39.82	15140	Valve	57171.21	Valve	8824.71	36	0.312	52					0.480556	335			649									1250	Unknown		
15118	CLUSTER	YES	57205.71		34.5	5.31	39.82	15140	Valve	57205.71	Valve	8790.21	36	0.312	52	0.16	0.05	21.61	2.45	0.259028	335	957	689	649	0.49	1.08							1250	Unknown		
15128	MELO-CORR	YES	57208.62		37.41	2.4	39.82	15140	Valve	57208.62	Valve	8787.3	36	0.312	52	0.23	0.07	1.14	0.16	0.269444	335	1066	767	649	0.44	1.18							1598	Metal Loss		
15130	CLUSTER	YES	57209.85		38.64	1.17	39.82	15140	Valve	57209.85	Valve	8786.07	36	0.312	52	0.25	0.08	9.20	2.23	6:16	335	930	670	649	0.50	1.10							1250	Unknown		
15135	GirthWeld		57211.02		39.81	36.46	36.46	15150	Valve	57211.02	Valve	8784.9	36	0.312	52					2:43	335			649									1250	Unknown		
15137	CLUSTER	YES	57217.43		6.41	30.05	36.46	15150	Valve	57217.43	Valve	8778.49	36	0.312	52	0.22	0.07	39.06	7.01	0.235417	335	896	645	649	0.52	1.07							1250	Unknown		
15154	CLUSTER	YES	57219.42		8.4	28.06	36.46	15150	Valve	57219.42	Valve	8776.5	36	0.312	52	0.16	0.05	6.37	2.17	0.236806	335	1005	723	649	0.46	1.12							1250	Unknown		
15165	CLUSTER	YES	57220.82		9.8	26.67	36.46	15150	Valve	57220.82	Valve	8775.1	36	0.312	52	0.17	0.05	22.98	4.34	0.246528	335	948	683	649	0.49	1.07							1250	Unknown		
15184	CLUSTER	YES	57226.04		15.02	21.44	36.46	15150	Valve	57226.04	Valve	8769.88	36	0.312	52	0.16	0.05	6.65	0.38	5:44	335	1002	722	649	0.46	1.11							1250	Unknown		
15186	MELO-CORR	YES	57232.98		21.96	14.5	36.46	15150	Valve	57232.98	Valve	8762.94	36	0.312	52	0.15	0.05	1.18	0.20	6:24	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15187	MELO-CORR	YES	57241.17		30.15	6.31	36.46	15150	Valve	57241.17	Valve	8754.75	36	0.312	52	0.15	0.05	0.94	0.16	0.238889	335	1071	771	649	0.43	1.19							1598	Metal Loss		
15188	GirthWeld		57247.48		36.46	39.76	39.76	15160	Valve	57247.48	Valve	8748.44	36	0.312	52					0.041667	335			649									1250	Unknown		
15189	GirthWeld		57287.24		39.76	39.78	39.78	15170	Valve	57287.24	Valve	8708.68	36	0.312	52					0.458333	335			649									1250	Unknown		
15190	GirthWeld		57327.02		39.78	38.88	38.88	15180	Valve	57327.02	Valve	8668.9	36	0.312	52					11:34	335			649									1250	Unknown		
15191	GirthWeld		57365.9		38.88	39.8	39.8	15190	Valve	57365.9	Valve	8630.02	36	0.312	52					12:27	335			649									1250	Unknown		
15192	GirthWeld		57405.7		39.8	23.71	23.71	15200	Valve	57405.7	Valve	8590.22	36	0.312	52					0.473611	335			649									1250	Unknown		
15193	GirthWeld		57429.41		23.71	39.87	39.87	15210	Valve	57429.41	Valve	8566.51	36	0.312	52					0.422222	335			649									1250	Unknown		
15194	GirthWeld		57469.28		39.87	39.78	39.78	15220	Valve	57469.28	Valve	8526.64	36	0.312	52					0.479167	335			649									1250	Unknown		
15195	GirthWeld		57509.06		39.78	39.88	39.88	15230	Valve	57509.06	Valve	8486.86	36	0.312	52					1:06	335			649									1250	Unknown		
15196	MELO-CORR	YES	57535.29		26.23	13.65	39.88	15230	Valve	57535.29	Valve	8460.63	36	0.312	52	0.15	0.05	1.14	0.16	7:37	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15198	CLUSTER	YES	57544.72		35.66	4.22	39.88	15230	Valve	57544.72	Valve	8451.2	36	0.312	52	0.17	0.05	1.98	0.72	0.338889	335	1058	762	649	0.44	1.17							1250	Unknown		
15201	CLUSTER	YES	57545.07		36.01	3.87	39.88	15230	Valve	57545.07	Valve	8450.85	36	0.312	52	0.16	0.05	2.54	0.63	0.338194	335	1051	757	649	0.44	1.17							1250	Unknown		
15204	CLUSTER	YES	57545.77		36.71	3.17	39.88	15230	Valve	57545.77	Valve	8450.15	36	0.312	52	0.17	0.05	5.45	0.88	0.339583	335	1009	727	649	0.46	1.13							1250	Unknown		
15208	CLUSTER	YES	57546.94		37.88	2	39.88	15230	Valve	57546.94	Valve	8448.98	36	0.312	52	0.21	0.07	2.70	0.85	3:53	335	1039	748	649	0.45	1.16							1250	Unknown		
15211	CLUSTER	YES	57547.93		38.87	1.01	39.88	15230	Valve	57547.93	Valve	8447.99	36	0.312	52	0.15	0.05	6.72	0.63	3:58	335	1007	725	649	0.46	1.13							1250	Unknown		
15215	GirthWeld		57548.94		39.88	38.91	38.91	15240	Valve	57548.94	Valve	8446.98	36	0.312	52					0.104167	335			649									1250	Unknown		
15217	CLUSTER	YES	57549.41		0.47	38.44	38.91	15240	Valve	57549.41	Valve	8446.51	36	0.312	52	0.17	0.05	7.38	1.29	0.338194	335	992	714	649	0.47	1.12							1250	Unknown		
15223	CLUSTER	YES	57550.18		1.24	37.67	38.91	15240	Valve	57550.18	Valve	8445.74	36	0.312	52	0.18	0.06	2.52	1.16	0.340972	335	1048	755	649	0.44	1.17							1250	Unknown		
15225	MELO-CORR	YES	57551.38		2.44	36.47	38.91	15240	Valve	57551.38	Valve	8444.54	36	0.312	52	0.19	0.06	1.14	0.16	8:16	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15227	CLUSTER	YES	57551.93		2.99	35.92	38.91	15240	Valve	57551.93	Valve	8443.99	36	0.312	52	0.18	0.06	7.31	0.66	5:26	335	987	710	649	0.47	1.10							1250	Unknown		
15233	CLUSTER	YES	57558.06		9.11	29.79	38.91	15240	Valve	57558.06	Valve	8437.86	36	0.312	52	0.15	0.05	10.88	2.17	0.230556	335	984	709	649	0.47	1.10							1250	Unknown		
15239	MELO-CORR	YES	57560.47		11.53	27.38	38.91	15240	Valve	57560.47	Valve	8435.45	36	0.312	52	0.18	0.06	1.18	0.47	0.270139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15240	GirthWeld		57587.85		38.91	39.78	39.78	15250	Valve	57587.85	Valve	8408.07	36	0.312	52					0.375	335			649									1250	Unknown		
15241	GirthWeld		57627.63		39.78	38.26	38.26	15260	Valve	57627.63	Valve	8368.29	36	0.312	52					9:52	335			649									1250	Unknown		
15242	GirthWeld		57665.89		38.26	39.42	39.42	15270	Valve	57665.89	Valve	8330.03	36	0.312	52					1:38	335			649									1250	Unknown		
15243	GirthWeld		57705.31		39.42	39.2	39.19	15280	Valve	57705.31	Valve	8290.61	36	0.312	52					0.472222	335			649									1250	Unknown		
15244	GirthWeld		57744.51		39.2	38.59	38.59	15290	Valve	57744.51	Valve	8251.41	36	0.312	52					0.425	335			649									1250	Unknown		
15245	GirthWeld		57783.1		38.59	39.76	39.76	15300	Valve	57783.1	Valve	8212.82	36	0.312	52					0.391667	335			649									1250	Unknown		
15246	GirthWeld		57822.86		39.76	39.71	39.72	15310	Valve	57822.86	Valve	8173.06	36	0.312	52					11:25	335			649									1250	Unknown		
15248	CLUSTER	YES	57854.39		31.53	8.18	39.72	15310	Valve	57854.39	Valve	8141.53	36	0.312	52	0.16	0.05	5.50	1.35	6:01	335	1013	729	649	0.46	1.13							1250	Unknown		
15250	GirthWeld		57862.57		39.71	8.99	8.99	15320	Valve	57862.57	Valve	8133.35	36	0.312	52					0.511806	335			649									1250	Unknown		
15251	GirthWeld		57871.56		8.99	20.98	20.98	15330	Valve	57871.56	Valve	8124.36	36	0.312	52					0.066667	335			649									1250	Unknown		
15252	GirthWeld		57892.54		20.98	39.39	39.39	15340	Valve	57892.54	Valve	8103.38	36	0.312	52					0.465278	335			649									1250	Unknown		
15253	GirthWeld		57931.93		39.39	39.8	39.79	15350	Valve	57931.93	Valve	8063.99	36	0.312	52					10:38	335			649									1250	Unknown		
15254	GirthWeld		57971.73		39.8	39.83	39.83	15360	Valve	57971.73	Valve	8024.19	36	0.312	52					2:54	335			649									1250	Unknown		
15255	GirthWeld		58011.56		39.83	33.04	33.04	15370	Valve	58011.56	Valve	7984.36	36	0.312	52					0.5375	335			649									1250	Unknown		
15256	GirthWeld		58044.6		33.04	39.87	39.87	15380	Valve	58044.6	Valve	7951.32	36	0.312	52					0.490278	335			649									1250	Unknown		
15257	GirthWeld		58084.47		39.87	38.61	38.61	15390	Valve	58084.47	Valve	7911.45	36	0.312	52					0.448611	335			649									1250	Unknown		
15258	MELO-CORR	YES	58113.08		28.61	10	38.61	15390	Valve	58113.08	Valve	7882.84	36	0.312	52	0.15	0.05	1.10	0.16	7:22	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15259	GirthWeld		58123.08		38.61	39.88	39.88	15400	Valve	58123.08	Valve	7872.84	36	0.312	52					2:04	335			649									1250	Unknown		
15260	GirthWeld		58162.96		39.88	39.83	39.83	15410	Valve	58162.96	Valve	7832.96	36	0.312	52					0.536111	335			649									1250	Unknown		
15261	GirthWeld		58202.79		39.83	39.8	39.8	15420	Valve	58202.79	Valve	7793.13	36	0.312	52					0.477778	335			649									1250	Unknown		
15262	GirthWeld		58242.59		39.8	39.1	39.1	15430	Valve	58242.59	Valve	7753.33	36	0.312	52					0.4125	335			649									1250	Unknown		
15263	GirthWeld		58281.69		39.1	39.47	39.47	15440	Valve	58281.69	Valve	7714.23	36	0.312	52					12:42	335			649									1250	Unknown		
15264	GirthWeld		58321.16		39.47	28.65	28.65	15450	Valve	58321.16	Valve	7674.76	36	0.312	52					2:28	335			649									1250	Unknown		
15265	GirthWeld		58349.81		28.64	38.9	38.91	15460	Valve	58349.81	Valve	7646.11	36	0.312	52					0.461111	335			649						

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
15273	GirthWeld		58533.26		39.03	39.92	39.92	15520	Valve	58533.26	Valve	7462.66	36	0.312	52					10:00	335			649									1250	Unknown		
15275	CLUSTER	YES	58546.54		13.28	26.64	39.92	15520	Valve	58546.54	Valve	7449.38	36	0.312	52	0.19	0.06	3.07	0.28	6:36	335	1037	746	649	0.45	1.16							1250	Unknown		
15277	MELO-CORR	YES	58548.88		15.62	24.3	39.92	15520	Valve	58548.88	Valve	7447.04	36	0.312	52	0.17	0.05	1.22	0.24	0.288889	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15279	CLUSTER	YES	58549.11		15.85	24.07	39.92	15520	Valve	58549.11	Valve	7446.81	36	0.312	52	0.16	0.05	4.68	3.05	0.278472	335	1022	736	649	0.46	1.14							1250	Unknown		
15283	CLUSTER	YES	58553.88		20.62	19.31	39.92	15520	Valve	58553.88	Valve	7442.04	36	0.312	52	0.15	0.05	2.23	0.88	0.307639	335	1057	761	649	0.44	1.17							1250	Unknown		
15286	CLUSTER	YES	58554.56		21.3	18.62	39.92	15520	Valve	58554.56	Valve	7441.36	36	0.312	52	0.19	0.06	5.80	1.64	6:22	335	997	718	649	0.47	1.13							1250	Unknown		
15289	MELO-CORR	YES	58558.47		25.21	14.71	39.92	15520	Valve	58558.47	Valve	7437.45	36	0.312	52	0.17	0.05	1.10	0.16	4:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15290	MELO-CORR	YES	58559.77		26.51	13.42	39.92	15520	Valve	58559.77	Valve	7436.15	36	0.312	52	0.16	0.05	1.18	0.20	0.333333	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15291	MELO-CORR	YES	58572.84		39.58	0.34	39.92	15520	Valve	58572.84	Valve	7423.08	36	0.312	52	0.16	0.05	1.14	0.20	0.316667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15292	GirthWeld		58573.18		39.92	39.96	39.95	15530	Valve	58573.18	Valve	7422.74	36	0.312	52					0.058333	335			649									1250	Unknown		
15294	CLUSTER	YES	58576.22		3.04	36.92	39.95	15530	Valve	58576.22	Valve	7419.7	36	0.312	52	0.18	0.06	7.72	2.48	7:45	335	983	708	649	0.47	1.11							1250	Unknown		
15299	MELO-CORR	YES	58580.84		7.66	32.3	39.95	15530	Valve	58580.84	Valve	7415.08	36	0.312	52	0.2	0.06	1.46	0.24	8:02	335	1063	765	649	0.44	1.18							1598	Metal Loss		
15300	GirthWeld		58613.14		39.96	38.89	38.89	15540	Valve	58613.14	Valve	7382.78	36	0.312	52					0.119444	335			649									1250	Unknown		
15301	GirthWeld		58652.03		38.89	37.73	37.74	15550	Valve	58652.03	Valve	7343.89	36	0.312	52					0.448611	335			649									1250	Unknown		
15302	GirthWeld		58689.76		37.74	38.94	38.94	15560	Valve	58689.76	Valve	7306.15	36	0.312	52					0.511111	335			649									1250	Unknown		
15303	MELO-CORR	YES	58708.13		18.37	20.58	38.94	15560	Valve	58708.13	Valve	7287.79	36	0.312	52	0.18	0.06	1.22	0.32	6:09	335	1067	768	649	0.44	1.18							1598	Metal Loss		
15304	GirthWeld		58728.71		38.95	39.86	39.86	15570	Valve	58728.71	Valve	7267.21	36	0.312	52					12:46	335			649									1250	Unknown		
15306	CLUSTER	YES	58767.71		39	0.86	39.86	15570	Valve	58767.71	Valve	7228.21	36	0.312	52	0.15	0.05	4.56	0.35	0.231944	335	1027	739	649	0.45	1.14							1250	Unknown		
15308	GirthWeld		58768.57		39.86	39.32	39.32	15580	Valve	58768.57	Valve	7227.35	36	0.312	52					0.068056	335			649									1250	Unknown		
15309	MELO-CORR	YES	58785.7		17.13	22.19	39.32	15580	Valve	58785.7	Valve	7210.22	36	0.312	52	0.15	0.05	1.18	0.20	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15310	GirthWeld		58807.89		39.32	39.82	39.82	15590	Valve	58807.89	Valve	7188.03	36	0.312	52					9:56	335			649									1250	Unknown		
15311	GirthWeld		58847.71		39.82	35.88	35.88	15600	Valve	58847.71	Valve	7148.21	36	0.312	52					11:20	335			649									1250	Unknown		
15312	GirthWeld		58883.59		35.88	39.82	39.82	15610	Valve	58883.59	Valve	7112.33	36	0.312	52					0.531944	335			649									1250	Unknown		
15313	GirthWeld		58923.41		39.82	39.65	39.65	15620	Valve	58923.41	Valve	7072.51	36	0.312	52					0.081944	335			649									1250	Unknown		
15314	GirthWeld		58963.06		39.65	39.85	39.85	15630	Valve	58963.06	Valve	7032.86	36	0.312	52					0.479167	335			649									1250	Unknown		
15315	GirthWeld		59002.91		39.85	38.99	38.99	15640	Valve	59002.91	Valve	6993.01	36	0.312	52					10:52	335			649									1250	Unknown		
15316	GirthWeld		59041.9		38.99	34.86	34.86	15650	Valve	59041.9	Valve	6954.02	36	0.312	52					1:50	335			649									1250	Unknown		
15317	GirthWeld		59076.76		34.86	39.77	39.77	15660	Valve	59076.76	Valve	6919.16	36	0.312	52					0.536111	335			649									1250	Unknown		
15318	GirthWeld		59116.53		39.77	39.35	39.35	15670	Valve	59116.53	Valve	6879.39	36	0.312	52					0.481944	335			649									1250	Unknown		
15319	GirthWeld		59155.88		39.35	39.84	39.84	15680	Valve	59155.88	Valve	6840.04	36	0.312	52					0.436111	335			649									1250	Unknown		
15320	GirthWeld		59195.72		39.84	39.8	39.81	15690	Valve	59195.72	Valve	6800.2	36	0.312	52					1:50	335			649									1250	Unknown		
15321	GirthWeld		59235.52		39.8	39.17	39.16	15700	Valve	59235.52	Valve	6760.4	36	0.312	52					12:48	335			649									1250	Unknown		
15322	GirthWeld		59274.69		39.17	39.84	39.84	15710	Valve	59274.69	Valve	6721.23	36	0.312	52					0.455556	335			649									1250	Unknown		
15323	GirthWeld		59314.53		39.84	39.76	39.77	15720	Valve	59314.53	Valve	6681.39	36	0.312	52					0.5	335			649									1250	Unknown		
15324	GirthWeld		59354.29		39.76	39.58	39.58	15730	Valve	59354.29	Valve	6641.63	36	0.312	52					0.140278	335			649									1250	Unknown		
15325	GirthWeld		59393.87		39.58	39.72	39.72	15740	Valve	59393.87	Valve	6602.05	36	0.312	52					1:24	335			649									1250	Unknown		
15326	GirthWeld		59433.59		39.72	39.29	39.29	15750	Valve	59433.59	Valve	6562.33	36	0.312	52					8:54	335			649									1250	Unknown		
15327	GirthWeld		59472.88		39.29	40.02	40.02	15760	Valve	59472.88	Valve	6523.04	36	0.312	52					0.415278	335			649									1250	Unknown		
15329	CLUSTER	YES	59481.89		9.01	31.01	40.02	15760	Valve	59481.89	Valve	6514.03	36	0.312	52	0.21	0.07	32.72	5.12	0.275	335	908	654	649	0.51	1.07							1250	Unknown		
15345	CLUSTER	YES	59482.85		9.97	30.05	40.02	15760	Valve	59482.85	Valve	6513.07	36	0.312	52	0.16	0.05	15.01	1.45	0.204167	335	966	696	649	0.48	1.08							1250	Unknown		
15356	MELO-CORR	YES	59483.69		10.81	29.22	40.02	15760	Valve	59483.69	Valve	6512.23	36	0.312	52	0.16	0.05	1.26	0.63	5:44	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15363	CLUSTER	YES	59486.16		13.28	26.75	40.02	15760	Valve	59486.16	Valve	6509.76	36	0.312	52	0.16	0.05	7.19	3.17	5:51	335	998	719	649	0.47	1.12							1250	Unknown		
15368	MELO-CORR	YES	59487.82		14.94	25.08	40.02	15760	Valve	59487.82	Valve	6508.1	36	0.312	52	0.15	0.05	1.10	0.16	0.3	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15370	CLUSTER	YES	59487.91		15.03	25	40.02	15760	Valve	59487.91	Valve	6508.01	36	0.312	52	0.22	0.07	12.90	2.52	0.225694	335	930	670	649	0.50	1.08							1250	Unknown		
15376	CLUSTER	YES	59488.57		15.69	24.33	40.02	15760	Valve	59488.57	Valve	6507.35	36	0.312	52	0.17	0.05	2.42	0.63	0.302778	335	1051	757	649	0.44	1.17							1250	Unknown		
15381	CLUSTER	YES	59489.54		16.66	23.37	40.02	15760	Valve	59489.54	Valve	6506.38	36	0.312	52	0.2	0.06	16.57	2.17	7:09	335	934	672	649	0.50	1.09							1250	Unknown		
15388	GirthWeld		59512.9		40.03	39.79	39.78	15770	Valve	59512.9	Valve	6483.01	36	0.312	52					12:40	335			649									1250	Unknown		
15389	MELO-CORR	YES	59516.68		3.78	36.01	39.78	15770	Valve	59516.68	Valve	6479.24	36	0.312	52	0.15	0.05	1.18	0.20	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15390	GirthWeld		59552.69		39.79	39.76	39.76	15780	Valve	59552.69	Valve	6443.23	36	0.312	52					0.104167	335			649									1250	Unknown		
15391	GirthWeld		59592.45		39.76	19.16	19.16	15790	Valve	59592.45	Valve	6403.47	36	0.312	52					0.480556	335			649									1250	Unknown		
15392	GirthWeld		59611.61		19.16	39.84	39.84	15800	Valve	59611.61	Valve	6384.31	36	0.312	52					10:12	335			649									1250	Unknown		
15394	CLUSTER	YES	59646.18		34.57	5.26	39.84	15800	Valve	59646.18	Valve	6349.74	36	0.312	52	0.15	0.05	1.97	0.54	5:13	335	1060	763	649	0.44	1.18							1250	Unknown		
15396	GirthWeld		59651.45		39.84	39.8	39.8	15810	Valve	59651.45	Valve	6344.47	36	0.312	52					0.045833	335			649									1250	Unknown		
15397	GirthWeld		59691.25		39.8	39.81	39.8	15820	Valve	59691.25	Valve	6304.67	36	0.312	52					0.461111	335			649									1250	Unknown		
15398	GirthWeld		59731.06		39.81	39.86	39.86	15830	Valve	59731.06	Valve	6264.86	36	0.312	52					0.090278	335			649									1250	Unknown		
15399	GirthWeld		59770.91		39.85	39.83	39.83	15840	Valve	59770.91	Valve	6225.01	36	0.312	52					12:51	335			649									1250	Unknown		
15400	GirthWeld		59810.74		39.83	37.76	37.76	15850	Valve	59810.74	Valve	6185.18	36	0.312	52					11:40	335			649									1250	Unknown		
15401	GirthWeld		59848.5		37.76	31.56	31.56	15860	Valve	59848.5	Valve	6147.42	36	0.312	52					0.447222	335			649									1250	Unknown		
15402	GirthWeld		59880.06		31.56	38.81	38.82	15870	Valve	59880.06	Valve	6115.86	36	0.312	52					0.076389	335			649									1250	Unknown		
15403	GirthWeld		59918.87		38.81	39.79	39.79	15880	Valve	59918.87	Valve	6077.05	36	0.312	52					0.045833	335			649									1250	Unknown		
15404	GirthWeld		59958.66		39.79	39.81	39.81	15890	Valve	59958.66	Valve	6037.26	36	0.312	52					9:40	335			649									1250	Unknown		
15405	GirthWeld		59998.47		39.81	39.58	39.58	15900	Valve	59998.47	Valve	5997.45	36	0.312	52					11:06	335			649									1250	Unknown		
15406	MELO-CORR	YES	60007.6		9.13	30.45	39.58	15900	Valve	60007.6	Valve	5988.32	36	0.312	52	0.19	0.06	1.10	0.16	0.273611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15408	CLUSTER	YES	60013.86		15.39	24.19	39.58	15900	Valve	60013.86	Valve	5982.06	36	0.312	52	0.16	0.05	3.90	2.11	0.247917	335	1032	743	649	0.45	1.15							1250	Unknown		
15412	GirthWeld		60038.05		39.58	39.85	39.86	15910	Valve	60038.05	Valve	5957.87	36	0.312	52					0.523611	335			649									1250	Unknown		
15413	GirthWeld		60077.9		39.85	39.61	39.61	15920	Valve	60077.9	Valve	5918.01	36	0.312	52					1:46	335			649									1250	Unknown		
15414	GirthWeld		60117.51		39.61	39.85	39.85	15930	Valve	60117.51	Valve	5878.4	36	0.312	52					11:24	335			649									1250	Unknown		
15415	GirthWeld		60157.36		39.85	39.38	39.38	15940	Valve	60157.36	Valve	5838.56	36	0.312	52					0.441667	335			649									1250	Unknown		
15416	GirthWeld		60196.74		39.38	39.86	39.86	15950	Valve	60196.74	Valve	5799.18	36	0.312	52					0.520833	335			649									1250	Unknown		
15417	GirthWeld		60236.6		39.86	39.65	39.65	15960	Valve	60236.6	Valve	5759.32	36	0.312	52					0.093056	335			649									1250	Unknown		
15418	GirthWeld		60276.25		39.65	39.39	39.39	15970	Valve	60276.25	Valve	5719.67	36	0.312	52					10:54	335			649									1250	Unknown		
15419	GirthWeld		60315.64		39.39	39.78	39.78	15980	Valve	60315.64	Valve	5680.28	36	0.312	52					12:50	335			649									1250	Unknown		
15420	GirthWeld		60355.42		39.78	39.79	39.79	15990	Valve	60355.42	Valve	5640.5	36	0.312	52					0.451389	335			649									1250	Unknown		
15421	GirthWeld		60395.21		39.79	39.79	39.8	16000	Valve	60395.21	Valve	5600.71	36	0.312	52					0.534722	335			649									1250	Unknown		
15422	GirthWeld		60435		39.79	39.85	39.85	16010	Valve	60435	Valve	5560.92	36	0.312	52					0.084722	335			649									1250	Unknown		
15423	GirthWeld		60474.85		39.85	39.77	39.77	16020	Valve	60474.85	Valve	5521.07	36	0.312	52					3:16	335			649									1250	Unknown		
15424	GirthWeld		60514.62		39.77	39.59	39.59	16030	Valve	60514.62	Valve	5481.3	36	0.312	52					11:10	335			649									1250	Unknown		
15425	MELO-CORR	YES	60536.09		21.47	18.12	39.59	16030	Valve	60536.09	Valve	5459.83	36	0.312	52	0.16	0.05	1.10	0.28	0.228472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15427	CLUSTER	YES	60538.16		23.54	16.06	39.59	16030	Valve	60538.16	Valve	5457.76	36	0.312	52	0.21	0.07	4.27	0.47	0.267361	335	1010	727	649	0.46	1.14							1250	Unknown		
15429	GirthWeld		60554.21		39.59	40.06	40.06	16040	Valve	60554.21	Valve	5441.71	36	0.312	52					0.398611	335			649									1250	Unknown		
15431	CLUSTER	YES	60560.69		6.48	33.58	40.06	16040	Valve	60560.69	Valve	5435.23	36	0.312	52	0.19	0.06	12.36	3.99	5:15	335	953	686	649	0.49	1.10							1250	Unknown		
15439	MELO-CORR	YES	60569.26		15.05	25.01	40.06	16040	Valve	60569.26	Valve	5426.66	36	0.312	52	0.16	0.05	1.10	0.20	3:30	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15440	MELO-CORR	YES	60574.27		20.06	20	40.06	16040	Valve	60574.27	Valve	5421.65	36	0.312	52	0.16	0.05	1.10	0.20	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15441	GirthWeld		60594.27		40.06	39.82	39.82	16050	Valve	60594.27	Valve	5401.65	36	0.312	52					0.129167	335			649									1250	Unknown		
15442	GirthWeld		60634.09		39.82	39.34	39.35	16060	Valve	60634.09	Valve	5361.83	36	0.312	52					0.073611	335			649									1250	Unknown		
15443	GirthWeld		60673.43		39.34	24.85	24.84	16070	Valve	60673.43	Valve	5322.49	36	0.312	52					9:42	335			649									1250	Unknown		
15444	GirthWeld		60698.28		24.85	39.66	39.67	16080	Valve	60698.28	Valve	5297.64	36	0.312	52					11:08	335			649									1250	Unknown		
15445	GirthWeld		60737.94		39.66	39.84	39.84	16090	Valve	60737.94	Valve	5257.98	36	0.312	52					0.090278	335			649									1250	Unknown		
15446	GirthWeld		60777.78		39.84	39.86	39.85	16100	Valve	60777.78	Valve	5218.14	36	0.312	52					0.534028	335			649									1250	Unknown		
15447	GirthWeld		60817.64		39.86	39.06	39.07	16110	Valve	60817.64	Valve	5178.28	36	0.312	52					0.480556	335			649									1250	Unknown		
15448	GirthWeld		60856.7		39.06	39.39	39.38	16120	Valve	60856.7	Valve	5139.22	36	0.312	52					9:24	335			649									1250	Unknown		
15449	GirthWeld		60896.09		39.39	39.76	39.76	16130	Valve	60896.09	Valve	5099.83	36	0.312	52					1:30	335			649									1250	Unknown		
15450	GirthWeld		60935.85		39.76	39.78	39.79	16140	Valve	60935.85	Valve	5060.07	36	0.312	52					0.516667	335			649									1250	Unknown		
15451	GirthWeld		60975.63		39.78	38.7	38.7	16150	Valve	60975.63	Valve	5020.29	36	0.312	52					0.427778	335			649									1250	Unknown		
15452	GirthWeld		61014.33		38.7	39.83	39.83	16160	Valve	61014.33	Valve	4981.59	36	0.312	52					0.468056	335			649									1250	Unknown		
15453	GirthWeld		61054.16		39.83	39.4	39.4	16170	Valve	61054.16	Valve	4941.76	36	0.312	52					1:18	335			649									1250	Unknown		
15454	GirthWeld		61093.56		39.39	39.11	39.11	16180	Valve	61093.56	Valve	4902.36	36	0.312	52					2:42	335			649									1250	Unknown		
15455	GirthWeld		61132.67		39.11	39.36	39.36	16190	Valve	61132.67	Valve	4863.25	36	0.312	52					0.358333	335			649									1250	Unknown		
15457	CLUSTER	YES	61157.18		24.51	14.85	39.36	16190	Valve	61157.18	Valve	4838.74	36	0.312	52	0.19	0.06	6.16	1.23	0.231944	335	993	715	649	0.47	1.10							1250	Unknown		
15463	CLUSTER	YES	61158.16		25.49	13.87	39.36	16190	Valve	61158.16	Valve	4837.76	36	0.312	52	0.17	0.05	22.84	2.80	0.227083	335	948	683	649	0.49	1.07							1250	Unknown		
15470	CLUSTER	YES	61159.03		26.36	13	39.36	16190	Valve	61159.03	Valve	4836.89	36	0.312	52	0.21	0.07	21.23	4.12	6:13	335	919	662	649	0.51	1.07							1250	Unknown		
15487	CLUSTER	YES	61160.15		27.48	11.88	39.36	16190	Valve	61160.15	Valve	4835.77	36	0.312	52	0.17	0.05	7.91	1.23	6:47	335	987	711	649	0.47	1.11							1250	Unknown		
15493	CLUSTER	YES	61161.04		28.37	10.99	39.36	16190	Valve	61161.04	Valve	4834.88	36	0.312	52	0.15	0.05	26.99	6.13	0.257639	335	960	692	649	0.48	1.08							1250	Unknown		
15511	CLUSTER	YES	61163.57		30.9	8.46	39.36	16190	Valve	61163.57	Valve	4832.35	36	0.312	52	0.15	0.05	11.70	1.64	0.267361	335	982	707	649	0.47	1.10							1250	Unknown		
15518	CLUSTER	YES	61171.04		38.37	0.99	39.36	16190	Valve	61171.04	Valve	4824.88	36	0.312	52	0.16	0.05	6.61	1.86	0.252083	335	1003	722	649	0.46	1.13							1250	Unknown		
15525	GirthWeld		61172.03		39.36	39.97	39.97	16200	Valve	61172.03	Valve	4823.89	36	0.312	52					9:48	335			649									1250	Unknown		
15526	MELO-CORR	YES	61172.27		0.24	39.73	39.97	16200	Valve	61172.27	Valve	4823.65	36	0.312	52	0.17	0.05	1.22	0.20	8:28	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15527	MELO-CORR	YES	61191.42		19.39	20.58	39.97	16200	Valve	61191.42	Valve	4804.5	36	0.312	52	0.17	0.05	1.10	0.20	0.370139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15528	MELO-CORR	YES	61193.05		21.02	18.95	39.97	16200	Valve	61193.05	Valve	4802.87	36	0.312	52	0.15	0.05	1.18	0.16	0.347917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15530	CLUSTER	YES	61196.86		24.83	15.14	39.97	16200	Valve	61196.86	Valve	4799.06	36	0.312	52	0.19	0.06	3.86	0.32	0.18125	335	1023	737	649	0.45	1.15							1250	Unknown		
15532	MELO-CORR	YES	61197.94		25.91	14.06	39.97	16200	Valve	61197.94	Valve	4797.98	36	0.312	52	0.17	0.05	1.14	0.16	4:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15534	CLUSTER	YES	61198.13		26.1	13.87	39.97	16200	Valve	61198.13	Valve	4797.79	36	0.312

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
15546	GirthWeld		61431.09		39.75	39.81	39.81	16270	Valve	61431.09	Valve	4564.83	36	0.312	52					11:10	335			649									1250	Unknown		
15547	GirthWeld		61470.9		39.81	39.43	39.42	16280	Valve	61470.9	Valve	4525.02	36	0.312	52					9:20	335			649									1250	Unknown		
15548	GirthWeld		61510.33		39.43	39.87	39.87	16290	Valve	61510.33	Valve	4485.59	36	0.312	52					0.061111	335			649									1250	Unknown		
15549	GirthWeld		61550.2		39.86	39.79	39.79	16300	Valve	61550.2	Valve	4445.72	36	0.312	52					0.126389	335			649									1250	Unknown		
15550	GirthWeld		61589.99		39.79	39.88	39.88	16310	Valve	61589.99	Valve	4405.93	36	0.312	52					0.404861	335			649									1250	Unknown		
15551	GirthWeld		61629.87		39.88	36.16	36.16	16320	Valve	61629.87	Valve	4366.05	36	0.312	52					11:34	335			649									1250	Unknown		
15552	GirthWeld		61666.03		36.16	16.67	16.67	16330	Valve	61666.03	Valve	4329.89	36	0.312	52					11:50	335			649									1250	Unknown		
15553	GirthWeld		61682.7		16.67	23.75	23.75	16340	Valve	61682.7	Valve	4313.22	36	0.312	52					0.519444	335			649									1250	Unknown		
15554	GirthWeld		61706.45		23.75	39.87	39.87	16350	Valve	61706.45	Valve	4289.47	36	0.312	52					0.063889	335			649									1250	Unknown		
15555	MELO-CORR	YES	61719.36		12.91	26.96	39.87	16350	Valve	61719.36	Valve	4276.56	36	0.312	52	0.19	0.06	1.14	0.20	0.275	335	1068	769	649	0.44	1.18							1598	Metal Loss		
15556	MELO-CORR	YES	61724.74		18.29	21.57	39.87	16350	Valve	61724.74	Valve	4271.18	36	0.312	52	0.15	0.05	1.18	0.20	6:39	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15558	CLUSTER	YES	61726.89		20.44	19.43	39.87	16350	Valve	61726.89	Valve	4269.03	36	0.312	52	0.16	0.05	4.02	2.33	6:15	335	1030	742	649	0.45	1.15							1250	Unknown		
15562	CLUSTER	YES	61731.24		24.79	15.08	39.87	16350	Valve	61731.24	Valve	4264.68	36	0.312	52	0.16	0.05	6.62	0.35	0.271528	335	1003	722	649	0.46	1.13							1250	Unknown		
15564	MELO-CORR	YES	61732.06		25.61	14.26	39.87	16350	Valve	61732.06	Valve	4263.86	36	0.312	52	0.15	0.05	1.22	0.16	0.272222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15565	MIFE	n/a	61733.58		27.13	12.73	39.87	16350	Valve	61733.58	Valve	4262.34	36	0.312	52					0.404167	335			649									2167	Mill Anomaly		
15566	GirthWeld		61746.32		39.87	39.77	39.77	16360	Valve	61746.32	Valve	4249.6	36	0.312	52					9:58	335			649									1250	Unknown		
15567	GirthWeld		61786.09		39.77	39.75	39.75	16370	Valve	61786.09	Valve	4209.83	36	0.312	52					11:07	335			649									1250	Unknown		
15568	MELO-CORR	YES	61802.01		15.92	23.83	39.75	16370	Valve	61802.01	Valve	4193.91	36	0.312	52	0.15	0.05	1.10	0.16	0.214583	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15569	LWFE-MIFE	n/a	61808.76		22.67	17.08	39.75	16370	Valve	61808.76	Valve	4187.16	36	0.312	52	0.22	0.07	0.71	0.12	0.461111	335			649									3421	Mill Wall Thinning		
15570	MELO-CORR	YES	61814.58		28.49	11.25	39.75	16370	Valve	61814.58	Valve	4181.34	36	0.312	52	0.17	0.05	1.18	0.20	0.283333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15571	MELO-CORR	YES	61816.12		30.03	9.72	39.75	16370	Valve	61816.12	Valve	4179.8	36	0.312	52	0.15	0.05	1.22	0.32	6:45	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15572	GirthWeld		61825.84		39.75	39.82	39.82	16380	Valve	61825.84	Valve	4170.08	36	0.312	52					1:14	335			649									1250	Unknown		
15573	GirthWeld		61865.66		39.82	39.01	39.01	16390	Valve	61865.66	Valve	4130.26	36	0.312	52					0.525	335			649									1250	Unknown		
15574	MELO-CORR	YES	61890.41		24.75	14.26	39.01	16390	Valve	61890.41	Valve	4105.51	36	0.312	52	0.16	0.05	1.18	0.20	0.277083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15575	MELO-CORR	YES	61892.14		26.48	12.53	39.01	16390	Valve	61892.14	Valve	4103.78	36	0.312	52	0.15	0.05	1.10	0.32	0.275	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15576	MELO-CORR	YES	61894.01		28.35	10.65	39.01	16390	Valve	61894.01	Valve	4101.91	36	0.312	52	0.15	0.05	1.10	0.20	5:21	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15578	CLUSTER	YES	61898.05		32.39	6.62	39.01	16390	Valve	61898.05	Valve	4097.87	36	0.312	52	0.17	0.05	2.80	0.76	6:46	335	1046	753	649	0.45	1.16							1250	Unknown		
15580	GirthWeld		61904.67		39.01	39.85	39.85	16400	Valve	61904.67	Valve	4091.25	36	0.312	52					0.406944	335			649									1250	Unknown		
15581	MELO-CORR	YES	61907.61		2.94	36.91	39.85	16400	Valve	61907.61	Valve	4088.31	36	0.312	52	0.22	0.07	1.14	0.16	0.299306	335	1066	768	649	0.44	1.18							1598	Metal Loss		
15582	MELO-CORR	YES	61911.38		6.71	33.14	39.85	16400	Valve	61911.38	Valve	4084.54	36	0.312	52	0.17	0.05	1.10	0.20	0.281944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15583	MELO-CORR	YES	61918.02		13.35	26.5	39.85	16400	Valve	61918.02	Valve	4077.9	36	0.312	52	0.16	0.05	1.14	0.20	6:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15584	MELO-CORR	YES	61925.1		20.43	19.42	39.85	16400	Valve	61925.1	Valve	4070.82	36	0.312	52	0.16	0.05	1.10	0.20	4:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15585	GirthWeld		61944.52		39.85	39.79	39.79	16410	Valve	61944.52	Valve	4051.4	36	0.312	52					0.456944	335			649									1250	Unknown		
15586	GirthWeld		61984.31		39.79	18.99	19	16420	Valve	61984.31	Valve	4011.61	36	0.312	52					0.050694	335			649									1250	Unknown		
15587	GirthWeld		62003.3		18.99	20.01	20	16430	Valve	62003.3	Valve	3992.62	36	0.312	52					0.518056	335			649									1250	Unknown		
15588	GirthWeld		62023.31		20	39.83	39.84	16440	Valve	62023.31	Valve	3972.61	36	0.312	52					1:46	335			649									1250	Unknown		
15589	GirthWeld		62063.14		39.83	22.03	22.02	16450	Valve	62063.14	Valve	3932.78	36	0.312	52					10:42	335			649									1250	Unknown		
15590	GirthWeld		62085.17		22.03	17.27	17.28	16460	Valve	62085.17	Valve	3910.75	36	0.312	52					0.431944	335			649									1250	Unknown		
15591	GirthWeld		62102.44		17.27	19.69	19.69	16470	Valve	62102.44	Valve	3893.48	36	0.312	52					0.372222	335			649									1250	Unknown		
15592	GirthWeld		62122.13		19.69	9.63	9.63	16480	Valve	62122.13	Valve	3873.79	36	0.312	52					0.404167	335			649									1250	Unknown		
15593	GirthWeld		62131.76		9.63	39.79	39.79	16490	Valve	62131.76	Valve	3864.16	36	0.312	52					3:28	335			649									1250	Unknown		
15594	GirthWeld		62171.55		39.79	39.76	39.76	16500	Valve	62171.55	Valve	3824.37	36	0.312	52					2:28	335			649									1250	Unknown		
15595	GirthWeld		62211.31		39.76	39.07	39.07	16510	Valve	62211.31	Valve	3784.61	36	0.312	52					0.388889	335			649									1250	Unknown		
15596	MELO-CORR	YES	62246.55		35.24	3.83	39.07	16510	Valve	62246.55	Valve	3749.37	36	0.312	52	0.15	0.05	1.14	0.35	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15597	GirthWeld		62250.38		39.07	40.13	40.13	16520	Valve	62250.38	Valve	3745.54	36	0.312	52					0.433333	335			649									1250	Unknown		
15599	CLUSTER	YES	62264.51		14.13	26	40.13	16520	Valve	62264.51	Valve	3731.41	36	0.312	52	0.15	0.05	22.13	2.89	4:48	335	964	694	649	0.48	1.08							1250	Unknown		
15610	MELO-CORR	YES	62266.65		16.27	23.86	40.13	16520	Valve	62266.65	Valve	3729.27	36	0.312	52	0.16	0.05	1.10	0.20	3:47	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15612	CLUSTER	YES	62268.97		18.59	21.54	40.13	16520	Valve	62268.97	Valve	3726.95	36	0.312	52	0.15	0.05	12.46	1.70	0.231944	335	979	705	649	0.48	1.10							1250	Unknown		
15619	MELO-CORR	YES	62278.72		28.35	11.79	40.13	16520	Valve	62278.72	Valve	3717.19	36	0.312	52	0.16	0.05	1.06	0.20	0.238889	335	1070	770	649	0.44	1.19							1598	Metal Loss		
15620	GirthWeld		62290.51		40.13	20.14	20.14	16530	Valve	62290.51	Valve	3705.41	36	0.312	52					0.104167	335			649									1250	Unknown		
15621	GirthWeld		62310.65		20.14	16.15	16.15	16540	Valve	62310.65	Valve	3685.26	36	0.312	52					3:02	335			649									1250	Unknown		
15622	GirthWeld		62326.8		16.15	39.77	39.77	16550	Valve	62326.8	Valve	3669.12	36	0.312	52					1:52	335			649									1250	Unknown		
15623	GirthWeld		62366.57		39.77	19.17	19.18	16560	Valve	62366.57	Valve	3629.35	36	0.312	52					0.456944	335			649									1250	Unknown		
15624	GirthWeld		62385.74		19.17	21.59	21.58	16570	Valve	62385.74	Valve	3610.18	36	0.312	52					0.4875	335			649									1250	Unknown		
15625	GirthWeld		62407.33		21.59	18.13	18.14	16580	Valve	62407.33	Valve	3588.59	36	0.312	52					0.441667	335			649									1250	Unknown		
15626	GirthWeld		62425.46		18.13	21.12	21.12	16590	Valve	62425.46	Valve	3570.46	36	0.312	52					9:52	335			649									1250	Unknown		
15627	GirthWeld		62446.58		21.12	39.87	39.86	16600	Valve	62446.58	Valve	3549.34	36	0.312	52					2:04	335			649									1250	Unknown		
15628	GirthWeld		62486.45		39.86	39.82	39.81	16610	Valve	62486.45	Valve	3509.47	36	0.312	52					0.535417	335			649									1250	Unknown		
15629	GirthWeld		62526.26		39.81	39.86	39.86	16620	Valve	62526.26	Valve	3469.66	36	0.312	52					0.463889	335			649									1250	Unknown		
15630	GirthWeld		62566.12		39.86	39.35	39.35	16630	Valve	62566.12	Valve	3429.8	36	0.312	52					0.430556	335			649									1250	Unknown		
15631	GirthWeld		62605.47		39.35	18.73	18.73	16640	Valve	62605.47	Valve	3390.45	36	0.312	52					12:12	335			649									1250	Unknown		
15632	GirthWeld		62624.2		18.72	21.1	21.09	16650	Valve	62624.2	Valve	3371.72	36	0.312	52					12:50	335			649									1250	Unknown		
15633	GirthWeld		62645.29		21.09	39.77	39.78	16660	Valve	62645.29	Valve	3350.63	36	0.312	52					0.098611	335			649									1250	Unknown		
15634	GirthWeld		62685.06		39.77	38.75	38.74	16670	Valve	62685.06	Valve	3310.86	36	0.312	52					0.496528	335			649									1250	Unknown		
15635	GirthWeld		62723.81		38.75	39.75	39.75	16680	Valve	62723.81	Valve	3272.11	36	0.312	52					0.452778	335			649									1250	Unknown		
15636	GirthWeld		62763.56		39.75	39.89	39.89	16690	Valve	62763.56	Valve	3232.36	36	0.312	52					2:26	335			649									1250	Unknown		
15637	GirthWeld		62803.45		39.89	39.75	39.75	16700	Valve	62803.45	Valve	3192.47	36	0.312	52					1:22	335			649									1250	Unknown		
15638	GirthWeld		62843.2		39.75	39.19	39.19	16710	Valve	62843.2	Valve	3152.72	36	0.312	52					0.440278	335			649									1250	Unknown		
15640	CLUSTER	YES	62870.08		26.88	12.31	39.19	16710	Valve	62870.08	Valve	3125.84	36	0.312	52	0.22	0.07	1.86	0.69	0.286111	335	1054	759	649	0.44	1.17							1250	Unknown		
15643	CLUSTER	YES	62870.43		27.23	11.96	39.19	16710	Valve	62870.43	Valve	3125.49	36	0.312	52	0.15	0.05	14.46	2.42	0.277778	335	974	702	649	0.48	1.09							1250	Unknown		
15651	GirthWeld		62882.39		39.19	38.59	38.59	16720	Valve	62882.39	Valve	3113.53	36	0.312	52					9:44	335			649									1250	Unknown		
15653	CLUSTER	YES	62888.6		6.21	32.38	38.59	16720	Valve	62888.6	Valve	3107.32	36	0.312	52	0.15	0.05	2.84	1.92	5:15	335	1049	755	649	0.44	1.17							1250	Unknown		
15655	GirthWeld		62920.98		38.59	19.01	19.01	16730	Valve	62920.98	Valve	3074.94	36	0.312	52					0.496528	335			649									1250	Unknown		
15656	GirthWeld		62939.99		19.01	20.11	20.11	16740	Valve	62939.99	Valve	3055.93	36	0.312	52					0.530556	335			649									1250	Unknown		
15657	GirthWeld		62960.1		20.11	16.63	16.63	16750	Valve	62960.1	Valve	3035.82	36	0.312	52					0.116667	335			649									1250	Unknown		
15658	GirthWeld		62976.73		16.63	22.95	22.94	16760	Valve	62976.73	Valve	3019.19	36	0.312	52					2:21	335			649									1250	Unknown		
15659	GirthWeld		62999.68		22.95	39.84	39.85	16770	Valve	62999.68	Valve	2996.24	36	0.312	52					11:22	335			649									1250	Unknown		
15660	GirthWeld		63039.52		39.84	39.8	39.8	16780	Valve	63039.52	Valve	2956.4	36	0.312	52					0.427083	335			649									1250	Unknown		
15662	CLUSTER	YES	63056.34		16.82	22.98	39.8	16780	Valve	63056.34	Valve	2939.58	36	0.312	52	0.16	0.05	10.80	1.60	0.249306	335	978	704	649	0.48	1.10							1250	Unknown		
15669	CLUSTER	YES	63058.74		19.22	20.59	39.8	16780	Valve	63058.74	Valve	2937.18	36	0.312	52	0.15	0.05	6.07	2.01	0.25	335	1012	729	649	0.46	1.13							1250	Unknown		
15672	GirthWeld		63079.32		39.8	39.88	39.88	16790	Valve	63079.32	Valve	2916.6	36	0.312	52					1:40	335			649									1250	Unknown		
15673	GirthWeld		63119.2		39.88	39.79	39.79	16800	Valve	63119.2	Valve	2876.72	36	0.312	52					12:56	335			649									1250	Unknown		
15674	GirthWeld		63158.99		39.79	16.72	16.72	16810	Valve	63158.99	Valve	2836.93	36	0.312	52					0.390278	335			649									1250	Unknown		
15675	GirthWeld		63175.71		16.72	20.66	20.66	16820	Valve	63175.71	Valve	2820.21	36	0.312	52					0.411111	335			649									1250	Unknown		
15676	GirthWeld		63196.37		20.66	19.58	19.58	16830	Valve	63196.37	Valve	2799.55	36	0.312	52					0.477083	335			649									1250	Unknown		
15677	GirthWeld		63215.95		19.58	20.2	20.2	16840	Valve	63215.95	Valve	2779.97	36	0.312	52					11:52	335			649									1250	Unknown		
15678	GirthWeld		63236.15		20.2	18.02	18.02	16850	Valve	63236.15	Valve	2759.77	36	0.312	52					12:38	335			649									1250	Unknown		
15679	MELO-CORR	YES	63237.64		1.49	16.53	18.02	16850	Valve	63237.64	Valve	2758.28	36	0.312	52	0.16	0.05	1.14	0.20	0.277083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15680	GirthWeld		63254.17		18.02	20.98	20.98	16860	Valve	63254.17	Valve	2741.75	36	0.312	52					0.492361	335			649									1250	Unknown		
15682	CLUSTER	YES	63258.25		4.08	16.9	20.98	16860	Valve	63258.25	Valve	2737.67	36	0.312	52	0.16	0.05	4.03	0.82	0.276389	335	1030	742	649	0.45	1.15							1250	Unknown		
15684	GirthWeld		63275.15		20.98	16.78	16.78	16870	Valve	63275.15	Valve	2720.77	36	0.312	52					1:36	335			649									1250	Unknown		
15685	GirthWeld		63291.93		16.78	22.21	22.21	16880	Valve	63291.93	Valve	2703.99	36	0.312	52					2:06	335			649									1250	Unknown		
15687	CLUSTER	YES	63299.64		7.71	14.5	22.21	16880	Valve	63299.64	Valve	2696.28	36	0.312	52	0.22	0.07	10.36	0.88	0.279861	335	942	678	649	0.49	1.10							1250	Unknown		
15691	GirthWeld		63314.14		22.21	18.72	18.73	16890	Valve	63314.14	Valve	2681.78	36	0.312	52					0.425694	335			649									1250	Unknown		
15693	CLUSTER	YES	63321.18		7.04	11.68	18.73	16890	Valve	63321.18	Valve	2674.74	36	0.312	52	0.15	0.05	15.62	3.39	0.247222	335	972	700	649	0.48	1.09							1250	Unknown		
15704	GirthWeld		63332.86		18.72	21.26	21.26	16900	Valve	63332.86	Valve	2663.06	36	0.312	52					9:42	335			649									1250	Unknown		
15705	MELO-CORR	YES	63334.5		1.64	19.62	21.26	16900	Valve	63334.5	Valve	2661.42	36	0.312	52	0.2	0.06	1.18	0.47	6:38	335	1067	768	649	0.44	1.18							1598	Metal Loss		
15706	MELO-CORR	YES	63348.32		15.46	5.8	21.26	16900	Valve	63348.32	Valve	2647.6	36	0.312	52	0.23	0.07	1.14	0.16	0.198611	335	1066	767	649	0.44	1.18							1598	Metal Loss		
15707	GirthWeld		63354.12		21.26	22.79	22.79	16910	Valve	63354.12	Valve	2641.8	36	0.312	52					0.443056	335			649									1250	Unknown		
15709	CLUSTER	YES	63356.8		2.68	20.11	22.79	16910	Valve	63356.8	Valve	2639.12	36	0.312	52	0.15	0.05	7.12	2.58	0.245833	335	1004	723	649	0.46	1.12							1250	Unknown		
15716	CLUSTER	YES	63366.36		12.24	10.55	22.79	16910	Valve	63366.36	Valve	2629.56	36	0.312	52	0.18	0.06	5.96	1.20	7:25	335	999	720	649	0.47	1.13							1250	Unknown		
15721	MELO-CORR	YES	63372.65		18.53	4.25	22.79	16910	Valve	63372.65	Valve	2623.27	36	0.312	52	0.16	0.05	1.14	0.43	7:39	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15722	GirthWeld		63376.91		22.79	17.79	17.79	16920	Valve	63376.91	Valve	2619.01	36	0.312	52					0.427778	335			649									1250	Unknown		
15724	CLUSTER	YES	63378.36		1.45	16.34	17.79	16920	Valve	63378.36	Valve	2617.56	36	0.312	52	0.15	0.05	4.25	1.42	0.247917	335	1031	742	649	0.45	1.15							1250	Unknown		
15728	CLUSTER	YES	63385.39		8.48	9.31	17.79	16920	Valve	63385.39	Valve	2610.53	36	0.312	52	0.15	0.05	3.73	2.77	0.247222	335	1037	747	649	0.45	1.15							1250	Unknown		
15733	CLUSTER	YES	63386.72		9.81	7.98	17.79	16920	Valve	63386.72	Valve	2609.2	36	0.312	52	0.17	0.05	16.80	2.92	5:53	335	955	688	649	0.49	1.09							1250	Unknown		
15743	CLUSTER	YES	63388.7		11.79	6.01	17.79	16920	Valve	63388.7	Valve	2607.22	36	0.312	52	0.17	0.05	4.97	1.23	6:06	335	1015	731	649	0.46	1.14							1250	Unknown		
15747	CLUSTER	YES	63389.55		12.64	5.15	17.79	16920	Valve	63389.55	Valve	2606.37	36	0.312	52	0.19	0.06	10.68	2.20	0.245139	335	960	691	649	0.48	1.10							1250	Unknown		
15758	CLUSTER	YES	63392.29		15.38	2.41	17.79	16920	Valve	63392.29	Valve	2603.63	36	0.312	52	0.15	0.05	3.95	1.32	0.250694	335	1034	745	649	0.45	1.15							1250	Unknown		
15761	GirthWeld		63394.7		17.79	39.29	39.28	16930	Valve	63394.7	Valve	2601.22	36	0.312	52					0.045833	335			649									1250	Unknown		
15763	CLUSTER	YES	63410.89		16.19	23.09	39.28	16930	Valve	63410.89	Valve	2585.03	36	0.312	52	0.17	0.05	10.00	1.89	6:45	335	975	702	649	0.48	1.11							1250	Unknown		
15771	CLUSTER	YES	63414.25		19.55

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
15783	MELO-CORR	YES	63586.29		0.56	39.17	39.74	17000	Valve	63586.29	Valve	2409.63	36	0.312	52	0.18	0.06	1.14	0.20	7:49	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15785	CLUSTER	YES	63587.29		1.56	38.18	39.74	17000	Valve	63587.29	Valve	2408.63	36	0.312	52	0.19	0.06	1.50	1.04	5:30	335	1063	765	649	0.44	1.18							1250	Unknown		
15788	CLUSTER	YES	63591.4		5.67	34.07	39.74	17000	Valve	63591.4	Valve	2404.52	36	0.312	52	0.19	0.06	7.14	3.49	0.241667	335	983	708	649	0.47	1.10							1250	Unknown		
15794	CLUSTER	YES	63593.64		7.91	31.82	39.74	17000	Valve	63593.64	Valve	2402.28	36	0.312	52	0.24	0.08	42.58	9.71	0.234722	335	877	631	649	0.53	1.04							1250	Unknown		
15818	CLUSTER	YES	63594.83		9.1	30.64	39.74	17000	Valve	63594.83	Valve	2401.09	36	0.312	52	0.16	0.05	14.00	1.10	0.29375	335	968	697	649	0.48	1.09							1250	Unknown		
15855	CLUSTER	YES	63597.25		11.52	28.21	39.74	17000	Valve	63597.25	Valve	2398.67	36	0.312	52	0.24	0.08	7.33	3.68	6:38	335	954	687	649	0.49	1.10							1250	Unknown		
15856	MELO-CORR	YES	63597.42		11.69	28.04	39.74	17000	Valve	63597.42	Valve	2398.5	36	0.312	52	0.18	0.06	1.10	1.06	6:04	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15861	CLUSTER	YES	63597.59		11.86	27.88	39.74	17000	Valve	63597.59	Valve	2398.33	36	0.312	52	0.17	0.05	5.05	1.51	0.232639	335	1014	730	649	0.46	1.14							1250	Unknown		
15864	MELO-CORR	YES	63598.62		12.89	26.84	39.74	17000	Valve	63598.62	Valve	2397.3	36	0.312	52	0.18	0.06	2.84	0.87	0.279861	335	1043	751	649	0.45	1.16							1598	Metal Loss		
15866	CLUSTER	YES	63599.25		13.52	26.21	39.74	17000	Valve	63599.25	Valve	2396.67	36	0.312	52	0.18	0.06	6.65	4.68	0.265972	335	992	715	649	0.47	1.12							1250	Unknown		
15874	CLUSTER	YES	63599.97		14.24	25.49	39.74	17000	Valve	63599.97	Valve	2395.95	36	0.312	52	0.25	0.08	35.74	4.49	6:18	335	873	629	649	0.53	1.04							1250	Unknown		
15892	CLUSTER	YES	63602.31		16.57	23.16	39.74	17000	Valve	63602.31	Valve	2393.61	36	0.312	52	0.16	0.05	11.84	1.98	6:57	335	975	702	649	0.48	1.09							1250	Unknown		
15901	MELO-CORR	YES	63603.9		18.17	21.56	39.74	17000	Valve	63603.9	Valve	2392.02	36	0.312	52	0.16	0.05	1.22	0.51	0.229167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15903	CLUSTER	YES	63604.07		18.34	21.39	39.74	17000	Valve	63604.07	Valve	2391.85	36	0.312	52	0.2	0.06	6.65	0.76	0.297917	335	982	707	649	0.47	1.10							1250	Unknown		
15908	CLUSTER	YES	63606.71		20.98	18.76	39.74	17000	Valve	63606.71	Valve	2389.21	36	0.312	52	0.19	0.06	13.38	2.45	0.227778	335	949	683	649	0.49	1.09							1250	Unknown		
15916	CLUSTER	YES	63607.74		22.01	17.73	39.74	17000	Valve	63607.74	Valve	2388.18	36	0.312	52	0.15	0.05	15.68	3.61	6:08	335	972	700	649	0.48	1.09							1250	Unknown		
15919	CLUSTER	YES	63608.09		22.36	17.38	39.74	17000	Valve	63608.09	Valve	2387.83	36	0.312	52	0.19	0.06	7.37	0.97	5:40	335	981	706	649	0.47	1.11							1250	Unknown		
15930	CLUSTER	YES	63609.79		24.06	15.67	39.74	17000	Valve	63609.79	Valve	2386.13	36	0.312	52	0.16	0.05	7.69	3.05	0.256944	335	995	716	649	0.47	1.12							1250	Unknown		
15937	CLUSTER	YES	63622.15		36.42	3.31	39.74	17000	Valve	63622.15	Valve	2373.77	36	0.312	52	0.23	0.07	1.45	0.85	0.215278	335	1061	764	649	0.44	1.18							1250	Unknown		
15939	MELO-CORR	YES	63623.55		37.82	1.91	39.74	17000	Valve	63623.55	Valve	2372.37	36	0.312	52	0.17	0.05	1.06	0.47	0.223611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15940	GirthWeld		63625.46		39.73	39.61	39.6	17010	Valve	63625.46	Valve	2370.46	36	0.312	52					10:38	335			649									1250	Unknown		
15942	CLUSTER	YES	63631.07		5.61	34	39.6	17010	Valve	63631.07	Valve	2364.85	36	0.312	52	0.2	0.06	4.00	0.66	6:15	335	1018	733	649	0.46	1.15							1250	Unknown		
15946	CLUSTER	YES	63631.92		6.46	33.15	39.6	17010	Valve	63631.92	Valve	2364	36	0.312	52	0.2	0.06	1.49	0.63	0.259028	335	1062	765	649	0.44	1.18							1250	Unknown		
15948	MELO-CORR	YES	63634.39		8.93	30.68	39.6	17010	Valve	63634.39	Valve	2361.53	36	0.312	52	0.18	0.06	1.22	0.20	0.259722	335	1067	768	649	0.44	1.18							1598	Metal Loss		
15949	MELO-CORR	YES	63635.93		10.47	29.14	39.6	17010	Valve	63635.93	Valve	2359.99	36	0.312	52	0.22	0.07	1.61	0.51	0.260417	335	1059	762	649	0.44	1.18							1598	Metal Loss		
15950	MELO-CORR	YES	63638.27		12.81	26.8	39.6	17010	Valve	63638.27	Valve	2357.65	36	0.312	52	0.15	0.05	1.10	0.20	6:17	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15951	MELO-CORR	YES	63643.59		18.13	21.47	39.6	17010	Valve	63643.59	Valve	2352.33	36	0.312	52	0.16	0.05	1.18	0.16	6:19	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15952	MELO-CORR	YES	63663.24		37.78	1.83	39.6	17010	Valve	63663.24	Valve	2332.68	36	0.312	52	0.16	0.05	1.10	0.16	0.265972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15953	GirthWeld		63665.07		39.61	38.34	38.34	17020	Valve	63665.07	Valve	2330.85	36	0.312	52					0.405556	335			649									1250	Unknown		
15954	MELO-CORR	YES	63698.26		33.19	5.15	38.34	17020	Valve	63698.26	Valve	2297.66	36	0.312	52	0.15	0.05	1.14	0.16	0.268056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15956	CLUSTER	YES	63702.19		37.12	1.22	38.34	17020	Valve	63702.19	Valve	2293.73	36	0.312	52	0.17	0.05	2.38	1.32	6:23	335	1052	758	649	0.44	1.17							1250	Unknown		
15958	GirthWeld		63703.41		38.34	39.84	39.84	17030	Valve	63703.41	Valve	2292.51	36	0.312	52					2:26	335			649									1250	Unknown		
15959	MELO-CORR	YES	63706.57		3.16	36.68	39.84	17030	Valve	63706.57	Valve	2289.35	36	0.312	52	0.15	0.05	2.21	0.79	0.263889	335	1057	761	649	0.44	1.17							1598	Metal Loss		
15961	CLUSTER	YES	63713.31		9.9	29.94	39.84	17030	Valve	63713.31	Valve	2282.61	36	0.312	52	0.2	0.06	3.02	1.64	0.263889	335	1035	745	649	0.45	1.16							1250	Unknown		
15963	MELO-CORR	YES	63722.04		18.63	21.21	39.84	17030	Valve	63722.04	Valve	2273.88	36	0.312	52	0.18	0.06	1.42	0.51	0.225	335	1065	767	649	0.44	1.18							1598	Metal Loss		
15964	MELO-CORR	YES	63733.21		29.8	10.04	39.84	17030	Valve	63733.21	Valve	2262.71	36	0.312	52	0.15	0.05	1.22	0.20	6:18	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15965	GirthWeld		63743.25		39.84	39.83	39.83	17040	Valve	63743.25	Valve	2252.67	36	0.312	52					12:51	335			649									1250	Unknown		
15966	MELO-CORR	YES	63747.37		4.12	35.71	39.83	17040	Valve	63747.37	Valve	2248.55	36	0.312	52	0.16	0.05	1.14	0.20	0.21875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15967	MELO-CORR	YES	63767.77		24.52	15.3	39.83	17040	Valve	63767.77	Valve	2228.15	36	0.312	52	0.15	0.05	1.10	0.24	0.263194	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15968	GirthWeld		63783.08		39.83	39.89	39.9	17050	Valve	63783.08	Valve	2212.84	36	0.312	52					0.406944	335			649									1250	Unknown		
15969	GirthWeld		63822.97		39.89	15.8	15.8	17060	Valve	63822.97	Valve	2172.95	36	0.312	52					11:02	335			649									1250	Unknown		
15970	GirthWeld		63838.77		15.8	22.85	22.85	17070	Valve	63838.77	Valve	2157.15	36	0.312	52					10:10	335			649									1250	Unknown		
15971	GirthWeld		63861.62		22.85	39.79	39.79	17080	Valve	63861.62	Valve	2134.3	36	0.312	52					0:05	335			649									1250	Unknown		
15972	MELO-CORR	YES	63893.32		31.7	8.09	39.79	17080	Valve	63893.32	Valve	2102.6	36	0.312	52	0.16	0.05	1.18	0.47	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
15973	MELO-CORR	YES	63893.7		32.07	7.71	39.79	17080	Valve	63893.7	Valve	2102.22	36	0.312	52	0.15	0.05	1.10	0.32	0.245833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15974	MELO-CORR	YES	63893.97		32.35	7.44	39.79	17080	Valve	63893.97	Valve	2101.95	36	0.312	52	0.15	0.05	1.14	0.16	5:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
15976	CLUSTER	YES	63894.18		32.56	7.23	39.79	17080	Valve	63894.18	Valve	2101.74	36	0.312	52	0.16	0.05	2.62	0.72	5:43	335	1050	756	649	0.44	1.17							1250	Unknown		
15978	MELO-CORR	YES	63899.61		37.99	1.8	39.79	17080	Valve	63899.61	Valve	2096.31	36	0.312	52	0.15	0.05	1.10	0.16	0.266667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
15979	GirthWeld		63901.41		39.79	39.76	39.76	17090	Valve	63901.41	Valve	2094.51	36	0.312	52					0.081944	335			649									1250	Unknown		
15980	GirthWeld		63941.17		39.76	39.32	39.32	17100	Valve	63941.17	Valve	2054.75	36	0.312	52					0.459722	335			649									1250	Unknown		
15981	GirthWeld		63980.49		39.32	39.78	39.78	17110	Valve	63980.49	Valve	2015.43	36	0.312	52					9:50	335			649									1250	Unknown		
15982	MELO-CORR	YES	64013.55		33.06	6.73	39.78	17110	Valve	64013.55	Valve	1982.37	36	0.312	52	0.17	0.05	1.14	0.20	6:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
15983	GirthWeld		64020.27		39.78	39.11	39.1	17120	Valve	64020.27	Valve	1975.65	36	0.312	52					0.522222	335			649									1250	Unknown		
15984	GirthWeld		64059.38		39.11	38.83	38.83	17130	Valve	64059.38	Valve	1936.54	36	0.312	52					0.073611	335			649									1250	Unknown		
15985	GirthWeld		64098.21		38.83	39.14	39.14	17140	Valve	64098.21	Valve	1897.71	36	0.312	52					0.443056	335			649									1250	Unknown		
15986	GirthWeld		64137.35		39.14	39.79	39.79	17150	Valve	64137.35	Valve	1858.57	36	0.312	52					11:36	335			649									1250	Unknown		
15987	GirthWeld		64177.14		39.79	16.13	16.13	17160	Valve	64177.14	Valve	1818.78	36	0.312	52					3:28	335			649									1250	Unknown		
15988	GirthWeld		64193.27		16.13	22.55	22.55	17170	Valve	64193.27	Valve	1802.65	36	0.312	52					0.120833	335			649									1250	Unknown		
15989	GirthWeld		64215.82		22.55	32.56	32.56	17180	Valve	64215.82	Valve	1780.1	36	0.312	52					0.047222	335			649									1250	Unknown		
15990	GirthWeld		64248.38		32.56	39.85	39.85	17190	Valve	64248.38	Valve	1747.54	36	0.312	52					0.411111	335			649									1250	Unknown		
15991	GirthWeld		64288.23		39.85	39.83	39.82	17200	Valve	64288.23	Valve	1707.69	36	0.312	52					11:22	335			649									1250	Unknown		
15992	GirthWeld		64328.06		39.83	39.76	39.76	17210	Valve	64328.06	Valve	1667.86	36	0.312	52					12:42	335			649									1250	Unknown		
15993	GirthWeld		64367.82		39.76	39.72	39.72	17220	Valve	64367.82	Valve	1628.1	36	0.312	52					0.540972	335			649									1250	Unknown		
15994	GirthWeld		64407.54		39.72	39.41	39.41	17230	Valve	64407.54	Valve	1588.38	36	0.312	52					0:45	335			649									1250	Unknown		
15995	GirthWeld		64446.95		39.41	39	39	17240	Valve	64446.95	Valve	1548.97	36	0.312	52					0.490278	335			649									1250	Unknown		
15996	GirthWeld		64485.95		39	39.88	39.89	17250	Valve	64485.95	Valve	1509.97	36	0.312	52					2:16	335			649									1250	Unknown		
15997	GirthWeld		64525.83		39.88	39.77	39.77	17260	Valve	64525.83	Valve	1470.09	36	0.312	52					1:18	335			649									1250	Unknown		
15999	CLUSTER	YES	64538.41		12.58	27.19	39.77	17260	Valve	64538.41	Valve	1457.51	36	0.312	52	0.16	0.05	12.56	3.24	0.247917	335	972	700	649	0.48	1.10							1250	Unknown		
16007	GirthWeld		64565.6		39.77	25.86	25.86	17270	Valve	64565.6	Valve	1430.32	36	0.312	52					0.511806	335			649									1250	Unknown		
16008	GirthWeld		64591.46		25.86	38.69	38.69	17280	Valve	64591.46	Valve	1404.46	36	0.312	52					0.408333	335			649									1250	Unknown		
16009	GirthWeld		64630.15		38.69	39.75	39.75	17290	Valve	64630.15	Valve	1365.77	36	0.312	52					2:14	335			649									1250	Unknown		
16010	GirthWeld		64669.9		39.75	38.97	38.96	17300	Valve	64669.9	Valve	1326.02	36	0.312	52					1:36	335			649									1250	Unknown		
16011	GirthWeld		64708.87		38.97	39.81	39.81	17310	Valve	64708.87	Valve	1287.05	36	0.312	52					0.50625	335			649									1250	Unknown		
16012	GirthWeld		64748.68		39.81	39.71	39.72	17320	Valve	64748.68	Valve	1247.24	36	0.312	52					0.452778	335			649									1250	Unknown		
16013	GirthWeld		64788.39		39.71	39.85	39.84	17330	Valve	64788.39	Valve	1207.53	36	0.312	52					0.052778	335			649									1250	Unknown		
16014	GirthWeld		64828.24		39.85	39.62	39.63	17340	Valve	64828.24	Valve	1167.68	36	0.312	52					2:28	335			649									1250	Unknown		
16015	GirthWeld		64867.86		39.62	39.87	39.87	17350	Valve	64867.86	Valve	1128.06	36	0.312	52					10:40	335			649									1250	Unknown		
16016	GirthWeld		64907.73		39.87	39.81	39.82	17360	Valve	64907.73	Valve	1088.19	36	0.312	52					0.490278	335			649									1250	Unknown		
16018	CLUSTER	YES	64923.93		16.2	23.62	39.82	17360	Valve	64923.93	Valve	1071.99	36	0.312	52	0.21	0.07	13.55	1.67	0.28125	335	935	673	649	0.50	1.08							1250	Unknown		
16025	GirthWeld		64947.54		39.81	39.45	39.45	17370	Valve	64947.54	Valve	1048.38	36	0.312	52					0.088194	335			649									1250	Unknown		
16027	CLUSTER	YES	64951.49		3.94	35.5	39.45	17370	Valve	64951.49	Valve	1044.43	36	0.312	52	0.21	0.07	2.84	0.66	5:39	335	1037	746	649	0.45	1.15							1250	Unknown		
16030	CLUSTER	YES	64973.31		25.77	13.68	39.45	17370	Valve	64973.31	Valve	1022.61	36	0.312	52	0.26	0.08	16.97	1.89	6:12	335	888	639	649	0.52	1.09							1250	Unknown		
16037	GirthWeld		64986.99		39.45	39.84	39.84	17380	Valve	64986.99	Valve	1008.93	36	0.312	52					0.0625	335			649									1250	Unknown		
16039	CLUSTER	YES	65013.96		26.97	12.87	39.84	17380	Valve	65013.96	Valve	981.96	36	0.312	52	0.17	0.05	5.57	0.72	0.280556	335	1008	726	649	0.46	1.12							1250	Unknown		
16042	MELO-CORR	YES	65015.91		28.92	10.92	39.84	17380	Valve	65015.91	Valve	980.01	36	0.312	52	0.15	0.05	3.11	0.67	0.220833	335	1045	753	649	0.45	1.16							1598	Metal Loss		
16044	CLUSTER	YES	65025.15		38.16	1.69	39.84	17380	Valve	65025.15	Valve	970.77	36	0.312	52	0.37	0.12	14.03	2.86	5:12	335	814	586	649	0.57	1.03							1250	Unknown		
16054	GirthWeld		65026.83		39.84	39.55	39.54	17390	Valve	65026.83	Valve	969.09	36	0.312	52					11:42	335			649									1250	Unknown		
16056	CLUSTER	YES	65027.63		0.8	38.75	39.54	17390	Valve	65027.63	Valve	968.29	36	0.312	52	0.17	0.05	9.89	0.82	0.276389	335	976	703	649	0.48	1.10							1250	Unknown		
16060	GirthWeld		65066.38		39.55	38.98	38.99	17400	Valve	65066.38	Valve	929.54	36	0.312	52					0.456944	335			649									1250	Unknown		
16061	GirthWeld		65105.36		38.98	39.26	39.26	17410	Valve	65105.36	Valve	890.56	36	0.312	52					0.105556	335			649									1250	Unknown		
16062	GirthWeld		65144.62		39.26	38.58	38.58	17420	Valve	65144.62	Valve	851.3	36	0.312	52					1:26	335			649									1250	Unknown		
16063	GirthWeld		65183.2		38.58	39.52	39.52	17430	Valve	65183.2	Valve	812.72	36	0.312	52					10:50	335			649									1250	Unknown		
16064	GirthWeld		65222.72		39.52	39.1	39.1	17440	Valve	65222.72	Valve	773.2	36	0.312	52					0.476389	335			649									1250	Unknown		
16065	GirthWeld		65261.82		39.1	17.49	17.49	17450	Valve	65261.82	Valve	734.1	36	0.312	52					0.452083	335			649									1250	Unknown		
16066	GirthWeld		65279.31		17.49	39.73	39.72	17460	Valve	65279.31	Valve	716.61	36	0.312	52					0.072222	335			649									1250	Unknown		
16067	GirthWeld		65319.04		39.73	37.52	37.52	17470	Valve	65319.04	Valve	676.88	36	0.312	52					12:34	335			649									1250	Unknown		
16068	GirthWeld		65356.56		37.52	39.44	39.44	17480	Valve	65356.56	Valve	639.36	36	0.312	52					11:02	335			649									1250	Unknown		
16069	GirthWeld		65396		39.44	39.82	39.83	17490	Valve	65396	Valve	599.92	36	0.312	52					0.423611	335			649									1250	Unknown		
16070	GirthWeld		65435.82		39.82	39.92	39.91	17500	Valve	65435.82	Valve	560.1	36	0.312	52					0.540278	335			649									1250	Unknown		
16072	CLUSTER	YES	65467.97		32.15	7.77	39.91	17500	Valve	65467.97	Valve	527.95	36	0.312	52	0.16	0.05	22.31	2.55	0.274306	335	956	688	649	0.49	1.08							1250	Unknown		
16082	CLUSTER	YES	65469.96		34.14	5.78	39.91	17500	Valve	65469.96	Valve	525.96	36	0.312	52	0.2	0.06	29.69	2.52	6:23	335	919	662	649	0.51	1.06							1250	Unknown		
16088	CLUSTER	YES	65470.49		34.67	5.24	39.91	17500	Valve	65470.49	Valve	525.43	36	0.312	52	0.26	0.08	23.58	2.39	5:25	335	877	631	649	0.53	1.03							1250	Unknown		
16106	GirthWeld		65475.74		39.92	37.59	37.6	17510	Valve	65475.74	Valve	520.18	36	0.312	52					0.115278	335			649									1250	Unknown		
16108	CLUSTER	YES	65476.59		0.85	36.74	37.6	17510	Valve	65476.59	Valve	519.33	36	0.312	52	0.2	0.06	14.41	1.48	0.201389	335	939	676	649	0.50	1.08							1250	Unknown		
16114	MELO-CORR	YES	65478.7		2.96	34.63	37.6	17510	Valve	65478.7	Valve	517.22	36	0.312	52	0.16	0.05	1.10	0.20	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16116	CLUSTER	YES	65487.09		11.35	26.25	37.6	17510	Valve	65487.09	Valve	508.83	36	0.312	52	0.16	0.05	2.80	0.60	5:43	335	1047	754	649	0.44	1.17							1250	Unknown		
16118	MELO-CORR	YES	65487.58		11.85	25.75	37.6	17510	Valve	65487.58	Valve	508.33	36	0.312	52	0.16	0.05	3.03	0.55	6:16	335	1044	752	649	0.45	1.16							1598	Metal Loss		
16119	MELO-CORR	YES	65493.05		17.31	20.28	37

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
16153	GirthWeld		65740.17		36.37	5.34	5.34	17590	Valve	65740.17	Valve	255.75	36	0.312	52					11:38	335			649										1250	Unknown		
16154	GirthWeld		65745.51		5.34	39.34	39.34	17600	Valve	65745.51	Valve	250.41	36	0.312	52					9:14	335			649										1250	Unknown		
16156	CLUSTER	YES	65782.38		36.87	2.48	39.34	17600	Valve	65782.38	Valve	213.54	36	0.312	52	0.17	0.05	7.22	1.82	0.227778	335	993	715	649	0.47	1.11							1250	Unknown		
16161	GirthWeld		65784.85		39.34	39.07	39.06	17610	Valve	65784.85	Valve	211.07	36	0.312	52					0.445833	335			649										1250	Unknown		
16162	MELO-CORR	YES	65787.47		2.62	36.45	39.06	17610	Valve	65787.47	Valve	208.45	36	0.312	52	0.16	0.05	1.10	0.28	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16163	MELO-CORR	YES	65791.48		6.63	32.44	39.06	17610	Valve	65791.48	Valve	204.44	36	0.312	52	0.15	0.05	0.87	0.16	6:44	335	1072	772	649	0.43	1.19							1598	Metal Loss		
16164	MELO-CORR	YES	65818.51		33.66	5.4	39.06	17610	Valve	65818.51	Valve	177.41	36	0.312	52	0.22	0.07	0.98	0.20	3:28	335	1068	769	649	0.44	1.19							1598	Metal Loss		
16166	CLUSTER	YES	65822.92		38.07	1	39.06	17610	Valve	65822.92	Valve	173	36	0.312	52	0.16	0.05	4.00	2.04	0.25	335	1031	742	649	0.45	1.15							1250	Unknown		
16170	GirthWeld		65823.92		39.07	8.12	8.12	17620	Valve	65823.92	Valve	172	36	0.312	52					0.511806	335			649										1250	Unknown		
16171	GirthWeld		65832.04		8.12	39.47	39.47	17630	Valve	65832.04	Valve	163.88	36	0.312	52					0.491667	335			649										1250	Unknown		
16172	MELO-CORR	YES	65834.58		2.54	36.93	39.47	17630	Valve	65834.58	Valve	161.34	36	0.312	52	0.15	0.05	1.14	0.43	5:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16173	GirthWeld		65871.51		39.47	39.49	39.49	17640	Valve	65871.51	Valve	124.41	36	0.312	52					10:12	335			649										1250	Unknown		
16174	GirthWeld		65911		39.49	39.9	39.9	17650	Valve	65911	Valve	84.92	36	0.312	52					0.505556	335			649										1250	Unknown		
16175	GirthWeld		65950.9		39.9	37.09	37.08	17660	Valve	65950.9	Valve	45.02	36	0.312	52					0.059722	335			649										1250	Unknown		
16176	GirthWeld		65987.99		37.09	5.05	5.06	17670	Valve	65987.99	Valve	7.93	36	0.312	52					0.461111	335			649										1250	Unknown		
16177	Tap		65989.08		1.09	3.96	5.06	17670	Valve	65989.08	Valve	6.84	36	0.312	52					12:00	335			649										1790	Tap		
16178	AS_Inst		65993.04		5.05	5.71	5.71	17680	Valve	65993.04	Valve	2.88	36	0.312	52					UNKN	335			649										1250	Unknown		
16179	Valve		65995.92		2.88	2.83	5.71	17680	Valve	65995.92	Valve		36	0.312	52						335			649										1589	Valve		
16180	AE_Inst		65998.75		5.71	10.18	10.18	17690	Valve	2.83	Valve	829.85	36	0.312	52					0.047222	335			649										1250	Unknown		
16181	Tap		66002.73		3.98	6.2	10.18	17690	Valve	6.81	Valve	825.88	36	0.312	52					0.5	335			649										1790	Tap		
16182	GirthWeld		66008.93		10.18	11.63	11.63	17700	Valve	13.01	Valve	819.67	36	0.312	52					11:10	335			649										1250	Unknown		
16183	GirthWeld		66020.56		11.63	39.75	39.74	17710	Valve	24.64	Valve	808.04	36	0.312	52					12:38	335			649										1250	Unknown		
16184	GirthWeld		66060.31		39.75	39.77	39.78	17720	Valve	64.39	Valve	768.29	36	0.312	52					0.475	335			649										1250	Unknown		
16185	GirthWeld		66100.08		39.77	39.74	39.74	17730	Valve	104.16	Valve	728.52	36	0.312	52					0.434722	335			649										1250	Unknown		
16186	GirthWeld		66139.82		39.74	39.06	39.06	17740	Valve	143.9	Valve	688.78	36	0.312	52					0.504167	335			649										1250	Unknown		
16187	AS_Casing		66149.34		9.52	29.54	39.06	17740	Valve	153.42	Valve	679.26	36	0.312	52						335			649										1590	Casing		
16188	GirthWeld		66178.88		39.06	39.75	39.76	17750	Valve	182.96	Valve	649.72	36	0.312	52					12:36	335			649										1250	Unknown		
16189	AS_Sleeve		66216.66		37.78	1.97	39.76	17750	Valve	220.74	Valve	611.94	36	0.312	52						335			649										1789	Sleeve		
16190	GirthWeld		66218.63		39.75	38.05	38.05	17760	Valve	222.71	Valve	609.97	36	0.312	52					0.4125	335			649										1250	Unknown		
16191	AE_Sleeve		66219.76		1.13	36.92	38.05	17760	Valve	223.84	Valve	608.84	36	0.312	52						335			649										1789	Sleeve		
16192	AE_Casing		66222.34		3.71	34.34	38.05	17760	Valve	226.42	Valve	606.26	36	0.312	52						335			649										1590	Casing		
16193	GirthWeld		66256.68		38.05	19.89	19.89	17770	Valve	260.76	Valve	571.92	36	0.312	52					1:08	335			649										1250	Unknown		
16194	GirthWeld		66276.57		19.89	39.67	39.67	17780	Valve	280.65	Valve	552.03	36	0.312	52					0.455556	335			649										1250	Unknown		
16195	GirthWeld		66316.24		39.67	39.94	39.93	17790	Valve	320.32	Valve	512.36	36	0.312	52					0.063889	335			649										1250	Unknown		
16197	CLUSTER	YES	66336.86		20.62	19.32	39.93	17790	Valve	340.94	Valve	491.74	36	0.312	52	0.17	0.05	1.26	0.57	0.310417	335	1067	768	649	0.44	1.18							1250	Unknown		
16199	MELO-CORR	YES	66339.48		23.24	16.69	39.93	17790	Valve	343.56	Valve	489.12	36	0.312	52	0.15	0.05	1.18	0.16	4:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16201	CLUSTER	YES	66340.95		24.71	15.22	39.93	17790	Valve	345.03	Valve	487.65	36	0.312	52	0.15	0.05	16.99	2.92	6:44	335	970	698	649	0.48	1.09							1250	Unknown		
16211	CLUSTER	YES	66347.06		30.82	9.12	39.93	17790	Valve	351.14	Valve	481.54	36	0.312	52	0.16	0.05	28.44	9.58	0.234722	335	952	685	649	0.49	1.08							1250	Unknown		
16229	CLUSTER	YES	66348.08		31.84	8.09	39.93	17790	Valve	352.16	Valve	480.52	36	0.312	52	0.19	0.06	8.11	0.76	0.234028	335	975	702	649	0.48	1.11							1250	Unknown		
16245	CLUSTER	YES	66350.29		34.04	5.89	39.93	17790	Valve	354.37	Valve	478.32	36	0.312	52	0.15	0.05	3.64	1.82	0.267361	335	1038	748	649	0.45	1.15							1250	Unknown		
16248	GirthWeld		66356.18		39.94	39.76	39.76	17800	Valve	360.26	Valve	472.42	36	0.312	52					11:18	335			649										1250	Unknown		
16250	CLUSTER	YES	66357.21		1.03	38.73	39.76	17800	Valve	361.29	Valve	471.4	36	0.312	52	0.16	0.05	2.50	0.54	5:40	335	1052	757	649	0.44	1.17							1250	Unknown		
16252	MELO-CORR	YES	66357.53		1.35	38.4	39.76	17800	Valve	361.61	Valve	471.07	36	0.312	52	0.2	0.06	0.98	0.20	0.235417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16253	MELO-CORR	YES	66357.8		1.62	38.13	39.76	17800	Valve	361.88	Valve	470.8	36	0.312	52	0.16	0.05	1.10	0.16	0.271528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16255	CLUSTER	YES	66358.94		2.76	37	39.76	17800	Valve	363.02	Valve	469.66	36	0.312	52	0.28	0.09	22.75	3.11	0.2625	335	862	621	649	0.54	1.04							1250	Unknown		
16270	CLUSTER	YES	66364.6		8.42	31.34	39.76	17800	Valve	368.68	Valve	464.01	36	0.312	52	0.16	0.05	18.96	1.07	6:38	335	960	691	649	0.48	1.09							1250	Unknown		
16279	CLUSTER	YES	66371.48		15.3	24.46	39.76	17800	Valve	375.56	Valve	457.12	36	0.312	52	0.21	0.07	35.00	1.92	6:25	335	907	653	649	0.51	1.06							1250	Unknown		
16306	CLUSTER	YES	66377.66		21.48	18.28	39.76	17800	Valve	381.74	Valve	450.94	36	0.312	52	0.2	0.06	17.89	1.32	0.263194	335	931	671	649	0.50	1.07							1250	Unknown		
16312	CLUSTER	YES	66378.43		22.25	17.51	39.76	17800	Valve	382.51	Valve	450.17	36	0.312	52	0.23	0.07	3.86	0.76	0.236806	335	1011	728	649	0.46	1.15							1250	Unknown		
16321	CLUSTER	YES	66381.23		25.05	14.71	39.76	17800	Valve	385.31	Valve	447.37	36	0.312	52	0.21	0.07	12.78	1.67	0.2375	335	937	675	649	0.50	1.10							1250	Unknown		
16327	MELO-CORR	YES	66383.39		27.21	12.55	39.76	17800	Valve	387.47	Valve	445.21	36	0.312	52	0.17	0.05	0.98	0.87	5:39	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16329	CLUSTER	YES	66385.13		28.95	10.8	39.76	17800	Valve	389.21	Valve	443.47	36	0.312	52	0.19	0.06	17.65	5.91	5:48	335	939	676	649	0.50	1.08							1250	Unknown		
16335	MELO-CORR	YES	66386.16		29.98	9.78	39.76	17800	Valve	390.24	Valve	442.44	36	0.312	52	0.25	0.08	1.26	0.20	0.236111	335	1063	765	649	0.44	1.18							1598	Metal Loss		
16340	CLUSTER	YES	66386.78		30.6	9.16	39.76	17800	Valve	390.86	Valve	441.82	36	0.312	52	0.16	0.05	3.47	1.57	0.236806	335	1038	747	649	0.45	1.16							1250	Unknown		
16343	CLUSTER	YES	66387.17		30.99	8.76	39.76	17800	Valve	391.25	Valve	441.43	36	0.312	52	0.19	0.06	4.34	2.39	0.234722	335	1016	732	649	0.46	1.13							1250	Unknown		
16347	CLUSTER	YES	66387.49		31.31	8.45	39.76	17800	Valve	391.57	Valve	441.11	36	0.312	52	0.2	0.06	4.90	0.41	6:16	335	1004	723	649	0.46	1.14							1250	Unknown		
16349	CLUSTER	YES	66387.79		31.61	8.15	39.76	17800	Valve	391.87	Valve	440.81	36	0.312	52	0.15	0.05	44.74	7.51	5:41	335	951	685	649	0.49	1.07							1250	Unknown		
16381	CLUSTER	YES	66391.81		35.63	4.12	39.76	17800	Valve	395.89	Valve	436.79	36	0.312	52	0.17	0.05	5.48	1.13	0.240278	335	1009	726	649	0.46	1.13							1250	Unknown		
16386	CLUSTER	YES	66392.18		36	3.76	39.76	17800	Valve	396.26	Valve	436.42	36	0.312	52	0.18	0.06	15.59	1.98	0.257639	335	951	684	649	0.49	1.08							1250	Unknown		
16392	MELO-CORR	YES	66392.87		36.69	3.06	39.76	17800	Valve	396.95	Valve	435.73	36	0.312	52	0.15	0.05	2.60	0.16	0.241667	335	1052	758	649	0.44	1.17							1598	Metal Loss		
16398	CLUSTER	YES	66393.64		37.46	2.3	39.76	17800	Valve	397.72	Valve	434.96	36	0.312	52	0.17	0.05	12.83	1.67	6:14	335	965	695	649	0.48	1.09							1250	Unknown		
16404	GirthWeld		66395.94		39.76	39.76	39.76	17810	Valve	400.02	Valve	432.66	36	0.312	52					12:36	335			649										1250	Unknown		
16406	CLUSTER	YES	66396.51		0.57	39.18	39.76	17810	Valve	400.6	Valve	432.09	36	0.312	52	0.16	0.05	26.70	2.99	0.236111	335	953	686	649	0.49	1.08							1250	Unknown		
16421	CLUSTER	YES	66399.25		3.31	36.44	39.76	17810	Valve	403.33	Valve	429.35	36	0.312	52	0.16	0.05	21.25	6.00	0.238889	335	957	689	649	0.49	1.08							1250	Unknown		
16443	MELO-CORR	YES	66403.68		7.74	32.02	39.76	17810	Valve	407.76	Valve	424.92	36	0.312	52	0.15	0.05	1.10	0.43	0.328472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16445	CLUSTER	YES	66404.34		8.4	31.36	39.76	17810	Valve	408.42	Valve	424.26	36	0.312	52	0.19	0.06	2.56	0.94	6:11	335	1046	753	649	0.44	1.17							1250	Unknown		
16448	CLUSTER	YES	66405.86		9.92	29.84	39.76	17810	Valve	409.94	Valve	422.74	36	0.312	52	0.15	0.05	5.12	0.94	5:50	335	1021	735	649	0.46	1.13							1250	Unknown		
16454	CLUSTER	YES	66406.93		10.99	28.76	39.76	17810	Valve	411.01	Valve	421.67	36	0.312	52	0.16	0.05	11.53	5.63	0.2375	335	976	702	649	0.48	1.10							1250	Unknown		
16463	CLUSTER	YES	66410.01		14.07	25.69	39.76	17810	Valve	414.09	Valve	418.6	36	0.312	52	0.23	0.07	32.65	6.16	0.238194	335	892	642	649	0.52	1.06							1250	Unknown		
16472	MELO-CORR	YES	66410.9		14.96	24.8	39.76	17810	Valve	414.98	Valve	417.7	36	0.312	52	0.15	0.05	1.22	0.47	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
16487	MELO-CORR	YES	66415.35		19.41	20.35	39.76	17810	Valve	419.43	Valve	413.25	36	0.312	52	0.16	0.05	1.10	0.20	3:37	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16489	CLUSTER	YES	66416.57		20.63	19.13	39.76	17810	Valve	420.65	Valve	412.03	36	0.312	52	0.15	0.05	8.70	1.26	6:11	335	994	716	649	0.47	1.11							1250	Unknown		
16493	CLUSTER	YES	66419.66		23.72	16.04	39.76	17810	Valve	423.74	Valve	408.94	36	0.312	52	0.16	0.05	9.71	1.20	0.240278	335	983	708	649	0.47	1.10							1250	Unknown		
16499	CLUSTER	YES	66421.3		25.36	14.39	39.76	17810	Valve	425.38	Valve	407.3	36	0.312	52	0.17	0.05	4.16	0.63	0.261111	335	1025	738	649	0.45	1.14							1250	Unknown		
16503	CLUSTER	YES	66424.82		28.88	10.87	39.76	17810	Valve	428.9	Valve	403.78	36	0.312	52	0.15	0.05	4.22	1.10	0.242361	335	1031	742	649	0.45	1.15							1250	Unknown		
16507	CLUSTER	YES	66425.8		29.86	9.9	39.76	17810	Valve	429.88	Valve	402.8	36	0.312	52	0.19	0.06	2.68	1.23	5:42	335	1044	751	649	0.45	1.16							1250	Unknown		
16509	MELO-CORR	YES	66426.14		30.2	9.56	39.76	17810	Valve	430.22	Valve	402.46	36	0.312	52	0.18	0.06	1.14	0.24	5:52	335	1068	769	649	0.44	1.19							1598	Metal Loss		
16511	CLUSTER	YES	66427.46		31.52	8.24	39.76	17810	Valve	431.54	Valve	401.14	36	0.312	52	0.15	0.05	3.35	0.69	0.354167	335	1042	750	649	0.45	1.16							1250	Unknown		
16514	CLUSTER	YES	66428.13		32.19	7.57	39.76	17810	Valve	432.21	Valve	400.47	36	0.312	52	0.19	0.06	4.16	1.13	0.240278	335	1018	733	649	0.46	1.14							1250	Unknown		
16519	CLUSTER	YES	66430.15		34.21	5.55	39.76	17810	Valve	434.23	Valve	398.46	36	0.312	52	0.15	0.05	3.47	1.67	0.260417	335	1040	749	649	0.45	1.16							1250	Unknown		
16522	CLUSTER	YES	66430.57		34.63	5.13	39.76	17810	Valve	434.65	Valve	398.03	36	0.312	52	0.16	0.05	6.32	0.94	5:48	335	1005	724	649	0.46	1.13							1250	Unknown		
16526	CLUSTER	YES	66430.99		35.04	4.71	39.76	17810	Valve	435.07	Valve	397.62	36	0.312	52	0.22	0.07	23.27	5.72	5:42	335	909	654	649	0.51	1.08							1250	Unknown		
16543	CLUSTER	YES	66433.43		37.49	2.26	39.76	17810	Valve	437.51	Valve	395.17	36	0.312	52	0.22	0.07	15.46	5.81	0.239583	335	922	664	649	0.50	1.09							1250	Unknown		
16558	CLUSTER	YES	66434.88		38.94	0.82	39.76	17810	Valve	438.96	Valve	393.72	36	0.312	52	0.16	0.05	5.40	1.26	0.255556	335	1014	730	649	0.46	1.14							1250	Unknown		
16560	GirthWeld		66435.7		39.76	39.76	39.77	17820	Valve	439.78	Valve	392.9	36	0.312	52					0.418056	335			649										1250	Unknown		
16562	CLUSTER	YES	66435.87		0.17	39.6	39.77	17820	Valve	439.95	Valve	392.73	36	0.312	52	0.17	0.05	4.76	0.91	6:14	335	1017	732	649	0.46	1.14							1250	Unknown		
16565	CLUSTER	YES	66436.49		0.79	38.97	39.77	17820	Valve	440.57	Valve	392.11	36	0.312	52	0.18	0.06	11.50	3.90	5:59	335	963	693	649	0.48	1.09							1250	Unknown		
16572	MELO-CORR	YES	66446.12		10.42	29.34	39.77	17820	Valve	450.2	Valve	382.48	36	0.312	52	0.16	0.05	1.10	0.35	0.270833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16574	CLUSTER	YES	66446.47		10.77	28.99	39.77	17820	Valve	450.55	Valve	382.13	36	0.312	52	0.23	0.07	12.20	1.29	0.267361	335	926	667	649	0.50	1.09							1250	Unknown		
16581	CLUSTER	YES	66448.06		12.36	27.4	39.77	17820	Valve	452.14	Valve	380.54	36	0.312	52	0.15	0.05	12.95	1.73	0.259722	335	978	704	649	0.48	1.08							1250	Unknown		
16589	CLUSTER	YES	66449.31		13.61	26.16	39.77	17820	Valve	453.39	Valve	379.29	36	0.312	52	0.15	0.05	4.02	0.82	6:12	335	1033	744	649	0.45	1.15							1250	Unknown		
16592	CLUSTER	YES	66450.16		14.46	25.31	39.77	17820	Valve	454.24	Valve	378.44	36	0.312	52	0.17	0.05	14.77	2.33	5:38	335	960	691	649	0.48	1.09							1250	Unknown		
16594	CLUSTER	YES	66450.26		14.56	25.2	39.77	17820	Valve	454.34	Valve	378.34	36	0.312	52	0.18	0.06	2.58	0.69	0.259722	335	1047	754	649	0.44	1.17							1250	Unknown		
16601	CLUSTER	YES	66456.17		20.47	19.29	39.77	17820	Valve	460.25	Valve	372.43	36	0.312	52	0.17	0.05	4.02	0.57	0.260417	335	1027	740	649	0.45	1.14							1250	Unknown		
16604	MELO-CORR	YES	66463.46		27.76	12.01	39.77	17820	Valve	467.54	Valve	365.15	36	0.312	52	0.19	0.06	0.91	0.43	0.257639	335	1070	771	649	0.43	1.19							1598	Metal Loss		
16605	MELO-CORR	YES	66463.65		27.95	11.81	39.77	17820	Valve	467.73	Valve	364.95	36	0.312	52	0.15	0.05	1.10	0.20	5:39	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16607	CLUSTER	YES	66464.26		28.56	11.2	39.77	17820	Valve	468.34	Valve	364.34	36	0.312	52	0.19	0.06	5.46	2.23	6:10	335	1000	720	649	0.47	1.12							1250	Unknown		
16611	CLUSTER	YES	66464.44		28.74	11.03	39.77	17820	Valve	468.52	Valve	364.16	36	0.312	52	0.18	0.06	4.02	2.23	0.236806	335	1024	737	649	0.45	1.14							1250	Unknown		
16617	CLUSTER	YES	66465.06		29.36	10.4	39.77	17820	Valve	469.14	Valve	363.54	36	0.312	52	0.16	0.05	4.84	1.07	0.238194	335	1020	734	649	0.46	1.14							1250	Unknown		
16620	CLUSTER	YES	66465.23		29.53	10.23	39.77	17820	Valve	469.31	Valve	363.37	36	0.312	52	0.17	0.05	3.49	1.48	0.258333	335	1035	745	649	0.45	1.15							1250	Unknown		
16625	CLUSTER	YES	66465.62		29.92	9.84	39.77	17820	Valve	469.7	Valve	362.98	36	0.312	52	0.22	0.07	3.16	0.32	6:16	335	1028	740	649	0.45	1.16							1250	Unknown		
16627	GirthWeld		66475.46		39.76	39.8	39.8	17830	Valve	479.54	Valve	353.14	36	0.312	52					1:18	335			649										1250	Unknown		
16628	GirthWeld		66515.26		39.8	19.75	19.75	17840	Valve	519.34	Valve	313.34	36	0.312	52					0.45	335			649										1250	Unknown		
16629	GirthWeld		66535.01		19.75	39.35	39.35	17850	Valve	539.09	Valve	293.59	36	0.312	52					0.073611	335			649										1250	Unknown		
16630	GirthWeld		66574.36		39.35	38.93	38.93	17860	Valve	578.44	Valve

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
16646	GirthWeld		66892.92		39.83	39.27	39.27	17970	Valve	64.32	Valve	20480.12	36	0.312	52					10:50	335			649									1250	Unknown		
16647	GirthWeld		66932.19		39.27	38.85	38.86	17980	Valve	103.59	Valve	20440.85	36	0.312	52					1:18	335			649									1250	Unknown		
16648	MELO-CORR	YES	66963.53		31.34	7.52	38.86	17980	Valve	134.93	Valve	20409.51	36	0.312	52	0.15	0.05	1.10	0.20	0.277083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16649	GirthWeld		66971.04		38.85	31.51	31.51	17990	Valve	142.44	Valve	20401.99	36	0.312	52					0.513889	335			649									1250	Unknown		
16650	MELO-CORR	YES	66979.54		8.5	23.01	31.51	17990	Valve	150.94	Valve	20393.5	36	0.312	52	0.15	0.05	1.18	0.20	0.26875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16651	GirthWeld		67002.55		31.51	38.95	38.95	18000	Valve	173.95	Valve	20370.49	36	0.312	52					10:40	335			649									1250	Unknown		
16652	GirthWeld		67041.5		38.95	33.68	33.68	18010	Valve	212.9	Valve	20331.54	36	0.312	52					9:36	335			649									1250	Unknown		
16653	MELO-CORR	YES	67061.07		19.57	14.11	33.68	18010	Valve	232.47	Valve	20311.97	36	0.312	52	0.15	0.05	1.10	0.16	0.255556	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16654	GirthWeld		67075.18		33.68	38.95	38.94	18020	Valve	246.58	Valve	20297.85	36	0.312	52					0.525	335			649									1250	Unknown		
16655	GirthWeld		67114.13		38.95	38.72	38.72	18030	Valve	285.53	Valve	20258.91	36	0.312	52					0.061111	335			649									1250	Unknown		
16656	GirthWeld		67152.85		38.72	39	39	18040	Valve	324.25	Valve	20220.19	36	0.312	52					12:00	335			649									1250	Unknown		
16657	GirthWeld		67191.85		38.99	21.76	21.77	18050	Valve	363.24	Valve	20181.19	36	0.312	52					10:32	335			649									1250	Unknown		
16658	GirthWeld		67213.61		21.76	39.78	39.78	18060	Valve	385.01	Valve	20159.43	36	0.312	52					0.486111	335			649									1250	Unknown		
16659	GirthWeld		67253.39		39.78	39.85	39.85	18070	Valve	424.79	Valve	20119.65	36	0.312	52					0.536111	335			649									1250	Unknown		
16660	Attachmnt		67278.82		25.43	14.42	39.85	18070	Valve	450.22	Valve	20094.22	36	0.312	52					0.229167	335			649									2170	Attachment		
16661	GirthWeld		67293.24		39.85	38.81	38.81	18080	Valve	464.64	Valve	20079.8	36	0.312	52					1:46	335			649									1250	Unknown		
16662	GirthWeld		67332.05		38.81	39.78	39.79	18090	Valve	503.45	Valve	20040.99	36	0.312	52					9:52	335			649									1250	Unknown		
16663	GirthWeld		67371.83		39.78	39.78	39.78	18100	Valve	543.23	Valve	20001.21	36	0.312	52					0.476389	335			649									1250	Unknown		
16664	GirthWeld		67411.61		39.78	39.82	39.82	18110	Valve	583.01	Valve	19961.43	36	0.312	52					0.534722	335			649									1250	Unknown		
16665	GirthWeld		67451.43		39.82	39.62	39.62	18120	Valve	622.83	Valve	19921.61	36	0.312	52					0.072222	335			649									1250	Unknown		
16666	GirthWeld		67491.05		39.63	39.01	39.01	18130	Valve	662.45	Valve	19881.99	36	0.312	52					10:06	335			649									1250	Unknown		
16667	GirthWeld		67530.06		39.01	30.1	30.1	18140	Valve	701.46	Valve	19842.98	36	0.312	52					10:54	335			649									1250	Unknown		
16668	GirthWeld		67560.16		30.1	37.85	37.85	18150	Valve	731.56	Valve	19812.88	36	0.312	52					0.056944	335			649									1250	Unknown		
16669	GirthWeld		67598.01		37.85	39.85	39.85	18160	Valve	769.41	Valve	19775.03	36	0.312	52					0.518056	335			649									1250	Unknown		
16670	GirthWeld		67637.86		39.85	39.77	39.76	18170	Valve	809.26	Valve	19735.18	36	0.312	52					0.418056	335			649									1250	Unknown		
16671	GirthWeld		67677.63		39.77	39.83	39.83	18180	Valve	849.03	Valve	19695.41	36	0.312	52					11:04	335			649									1250	Unknown		
16672	GirthWeld		67717.46		39.83	39.79	39.79	18190	Valve	888.86	Valve	19655.58	36	0.312	52					12:48	335			649									1250	Unknown		
16673	GirthWeld		67757.25		39.79	39.79	39.79	18200	Valve	928.65	Valve	19615.79	36	0.312	52					0.104167	335			649									1250	Unknown		
16674	GirthWeld		67797.04		39.79	39.78	39.77	18210	Valve	968.44	Valve	19576	36	0.312	52					0.466667	335			649									1250	Unknown		
16675	GirthWeld		67836.82		39.78	32.25	32.25	18220	Valve	1008.22	Valve	19536.22	36	0.312	52					0.416667	335			649									1250	Unknown		
16676	MELO-CORR	YES	67838.57		1.75	30.49	32.25	18220	Valve	1009.97	Valve	19534.47	36	0.312	52	0.15	0.05	1.14	0.20	6:23	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16677	GirthWeld		67869.07		32.25	39.81	39.81	18230	Valve	1040.47	Valve	19503.97	36	0.312	52					1:04	335			649									1250	Unknown		
16678	GirthWeld		67908.88		39.81	39.42	39.43	18240	Valve	1080.28	Valve	19464.16	36	0.312	52					0.109722	335			649									1250	Unknown		
16679	GirthWeld		67948.3		39.42	39.8	39.8	18250	Valve	1119.7	Valve	19424.74	36	0.312	52					0.436111	335			649									1250	Unknown		
16680	GirthWeld		67988.1		39.8	39.84	39.83	18260	Valve	1159.5	Valve	19384.93	36	0.312	52					0.474306	335			649									1250	Unknown		
16681	GirthWeld		68027.94		39.84	39.85	39.85	18270	Valve	1199.34	Valve	19345.1	36	0.312	52					1:49	335			649									1250	Unknown		
16682	GirthWeld		68067.79		39.85	39.75	39.75	18280	Valve	1239.19	Valve	19305.25	36	0.312	52					12:24	335			649									1250	Unknown		
16683	GirthWeld		68107.54		39.75	39.84	39.84	18290	Valve	1278.94	Valve	19265.5	36	0.312	52					0.476389	335			649									1250	Unknown		
16684	GirthWeld		68147.38		39.84	39.77	39.78	18300	Valve	1318.78	Valve	19225.66	36	0.312	52					0.405556	335			649									1250	Unknown		
16685	LWFE-MIFE	n/a	68181.37		33.99	5.78	39.78	18300	Valve	1352.77	Valve	19191.67	36	0.312	52	0.15	0.05	1.10	0.43	0.402083	335			649									3421	Mill Wall Thinning		
16686	GirthWeld		68187.15		39.77	39.94	39.93	18310	Valve	1358.55	Valve	19185.89	36	0.312	52					1:40	335			649									1250	Unknown		
16687	GirthWeld		68227.09		39.94	39.49	39.5	18320	Valve	1398.49	Valve	19145.95	36	0.312	52					12:46	335			649									1250	Unknown		
16688	GirthWeld		68266.58		39.49	39.77	39.77	18330	Valve	1437.98	Valve	19106.46	36	0.312	52					0.480556	335			649									1250	Unknown		
16689	GirthWeld		68306.35		39.77	39.34	39.34	18340	Valve	1477.75	Valve	19066.69	36	0.312	52					0.422222	335			649									1250	Unknown		
16690	GirthWeld		68345.69		39.34	39.98	39.98	18350	Valve	1517.09	Valve	19027.35	36	0.312	52					0.484722	335			649									1250	Unknown		
16691	GirthWeld		68385.67		39.98	39.95	39.95	18360	Valve	1557.07	Valve	18987.37	36	0.312	52					12:58	335			649									1250	Unknown		
16692	GirthWeld		68425.62		39.95	39.7	39.7	18370	Valve	1597.02	Valve	18947.42	36	0.312	52					9:44	335			649									1250	Unknown		
16693	GirthWeld		68465.32		39.7	39.84	39.84	18380	Valve	1636.72	Valve	18907.72	36	0.312	52					0.471528	335			649									1250	Unknown		
16694	GirthWeld		68505.16		39.84	39.88	39.88	18390	Valve	1676.56	Valve	18867.88	36	0.312	52					0.515278	335			649									1250	Unknown		
16695	GirthWeld		68545.04		39.88	39.72	39.71	18400	Valve	1716.44	Valve	18828	36	0.312	52					0.101389	335			649									1250	Unknown		
16696	GirthWeld		68584.76		39.72	27.31	27.32	18410	Valve	1756.16	Valve	18788.28	36	0.312	52					8:12	335			649									1250	Unknown		
16697	GirthWeld		68612.07		27.32	30.93	30.92	18420	Valve	1783.47	Valve	18760.96	36	0.312	52					10:02	335			649									1250	Unknown		
16698	GirthWeld		68643		30.93	39.81	39.82	18430	Valve	1814.4	Valve	18730.04	36	0.312	52					0.091667	335			649									1250	Unknown		
16699	MELO-CORR	YES	68646.27		3.27	36.54	39.82	18430	Valve	1817.67	Valve	18726.76	36	0.312	52	0.16	0.05	1.10	0.24	0.233333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
16700	MELO-CORR	YES	68656.99		13.99	25.82	39.82	18430	Valve	1828.39	Valve	18716.05	36	0.312	52	0.17	0.05	1.22	0.20	0.270139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
16701	GirthWeld		68682.81		39.81	14.96	14.96	18440	Valve	1854.21	Valve	18690.23	36	0.312	52					UNKN	335			649									1250	Unknown		
16703	CLUSTER	YES	68686.2		3.39	11.57	14.96	18440	Valve	1857.6	Valve	18686.84	36	0.312	52	0.17	0.05	13.55	2.11	5:32	335	963	693	649	0.48	1.07							1250	Unknown		
16713	CLUSTER	YES	68687.44		4.63	10.34	14.96	18440	Valve	1858.84	Valve	18685.6	36	0.312	52	0.18	0.06	40.01	3.08	0.230556	335	928	668	649	0.50	1.06							1250	Unknown		
16726	CLUSTER	YES	68689.54		6.73	8.24	14.96	18440	Valve	1860.94	Valve	18683.5	36	0.312	52	0.15	0.05	6.14	2.92	0.265278	335	1011	728	649	0.46	1.12							1250	Unknown		
16735	CLUSTER	YES	68690.16		7.35	7.61	14.96	18440	Valve	1861.56	Valve	18682.88	36	0.312	52	0.18	0.06	3.05	0.69	0.265972	335	1040	749	649	0.45	1.16							1250	Unknown		
16742	CLUSTER	YES	68690.74		7.93	7.04	14.96	18440	Valve	1862.13	Valve	18682.3	36	0.312	52	0.16	0.05	3.02	0.88	6:23	335	1044	752	649	0.45	1.16							1250	Unknown		
16745	CLUSTER	YES	68690.89		8.08	6.88	14.96	18440	Valve	1862.29	Valve	18682.15	36	0.312	52	0.18	0.06	4.44	0.54	5:33	335	1018	733	649	0.46	1.14							1250	Unknown		
16747	MELO-CORR	YES	68691.97		9.16	5.8	14.96	18440	Valve	1863.37	Valve	18681.07	36	0.312	52	0.17	0.05	1.18	0.16	0.233333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
16749	CLUSTER	YES	68694		11.19	3.78	14.96	18440	Valve	1865.4	Valve	18679.04	36	0.312	52	0.22	0.07	3.89	1.10	0.234722	335	1013	730	649	0.46	1.14							1250	Unknown		
16752	GirthWeld		68697.77		14.96	19.3	19.29	18450	Valve	1869.17	Valve	18675.26	36	0.312	52					UNKN	335			649									1250	Unknown		
16754	CLUSTER	YES	68697.93		0.16	19.14	19.29	18450	Valve	1869.33	Valve	18675.11	36	0.312	52	0.16	0.05	26.34	2.48	5:37	335	953	686	649	0.49	1.07							1250	Unknown		
16756	CLUSTER	YES	68698.02		0.25	19.04	19.29	18450	Valve	1869.42	Valve	18675.02	36	0.312	52	0.15	0.05	9.54	3.49	6:17	335	990	713	649	0.47	1.11							1250	Unknown		
16770	CLUSTER	YES	68698.9		1.13	18.17	19.29	18450	Valve	1870.3	Valve	18674.14	36	0.312	52	0.17	0.05	12.96	3.17	0.264583	335	964	694	649	0.48	1.09							1250	Unknown		
16787	CLUSTER	YES	68702.36		4.59	14.71	19.29	18450	Valve	1873.76	Valve	18670.68	36	0.312	52	0.15	0.05	5.46	1.07	0.238889	335	1017	733	649	0.46	1.12							1250	Unknown		
16790	MELO-CORR	YES	68715.99		18.22	1.08	19.29	18450	Valve	1887.39	Valve	18657.05	36	0.312	52	0.18	0.06	1.22	0.20	0.265278	335	1067	768	649	0.44	1.18							1598	Metal Loss		
16791	GirthWeld		68717.07		19.3	39.94	39.95	18460	Valve	1888.47	Valve	18655.97	36	0.312	52					9:22	335			649									1250	Unknown		
16793	CLUSTER	YES	68728.65		11.58	28.36	39.95	18460	Valve	1900.05	Valve	18644.39	36	0.312	52	0.16	0.05	2.06	0.25	8:37	335	1058	762	649	0.44	1.17							1250	Unknown		
16796	CLUSTER	YES	68731.93		14.86	25.08	39.95	18460	Valve	1903.33	Valve	18641.11	36	0.312	52	0.2	0.06	11.88	1.82	0.2375	335	948	682	649	0.49	1.10							1250	Unknown		
16804	CLUSTER	YES	68736.57		19.5	20.45	39.95	18460	Valve	1907.97	Valve	18636.47	36	0.312	52	0.19	0.06	1.16	0.60	0.265278	335	1035	745	649	0.45	1.16							1250	Unknown		
16807	CLUSTER	YES	68736.98		19.91	20.03	39.95	18460	Valve	1908.38	Valve	18636.06	36	0.312	52	0.18	0.06	10.68	0.97	0.263194	335	966	696	649	0.48	1.08							1250	Unknown		
16812	MELO-CORR	YES	68737.84		20.77	19.17	39.95	18460	Valve	1909.24	Valve	18635.2	36	0.312	52	0.23	0.07	1.18	0.20	3:59	335	1065	767	649	0.44	1.18							1598	Metal Loss		
16814	CLUSTER	YES	68741.53		24.46	15.48	39.95	18460	Valve	1912.93	Valve	18631.51	36	0.312	52	0.18	0.06	4.26	0.60	6:22	335	1021	735	649	0.46	1.14							1250	Unknown		
16817	CLUSTER	YES	68745.69		28.62	11.32	39.95	18460	Valve	1917.09	Valve	18627.35	36	0.312	52	0.24	0.08	5.36	0.82	0.258333	335	980	706	649	0.47	1.13							1250	Unknown		
16820	MELO-CORR	YES	68748.12		31.05	8.9	39.95	18460	Valve	1919.52	Valve	18624.92	36	0.312	52	0.18	0.06	1.10	0.43	0.175	335	1068	769	649	0.44	1.19							1598	Metal Loss		
16822	CLUSTER	YES	68749.93		32.85	7.09	39.95	18460	Valve	1921.32	Valve	18623.11	36	0.312	52	0.19	0.06	3.14	0.57	0.180556	335	1035	745	649	0.45	1.16							1250	Unknown		
16825	CLUSTER	YES	68751.36		34.29	5.65	39.95	18460	Valve	1922.76	Valve	18621.68	36	0.312	52	0.23	0.07	4.10	1.13	7:31	335	1006	724	649	0.46	1.14							1250	Unknown		
16828	CLUSTER	YES	68753.36		36.29	3.66	39.95	18460	Valve	1924.76	Valve	18619.68	36	0.312	52	0.18	0.06	11.11	3.87	5:52	335	964	694	649	0.48	1.09							1250	Unknown		
16838	MELO-CORR	YES	68754.15		37.08	2.86	39.95	18460	Valve	1925.55	Valve	18618.89	36	0.312	52	0.15	0.05	1.10	0.20	0.198611	335	1070	770	649	0.43	1.19							1598	Metal Loss		
16840	CLUSTER	YES	68754.68		37.61	2.34	39.95	18460	Valve	1926.08	Valve	18618.36	36	0.312	52	0.21	0.07	6.55	0.91	0.246528	335	978	705	649	0.48	1.12							1250	Unknown		
16843	GirthWeld		68757.01		39.94	39.63	39.63	18470	Valve	1928.41	Valve	18616.03	36	0.312	52					0.433333	335			649									1250	Unknown		
16845	CLUSTER	YES	68757.13		0.13	39.51	39.63	18470	Valve	1928.53	Valve	18615.9	36	0.312	52	0.15	0.05	15.68	4.62	5:48	335	972	700	649	0.48	1.08							1250	Unknown		
16862	CLUSTER	YES	68759.51		2.5	37.14	39.63	18470	Valve	1930.91	Valve	18613.53	36	0.312	52	0.21	0.07	3.61	1.07	6:13	335	1022	736	649	0.46	1.14							1250	Unknown		
16864	GirthWeld		68796.64		39.63	10.73	10.72	18480	Valve	1968.04	Valve	18576.4	36	0.312	52					0.507639	335			649									1250	Unknown		
16865	GirthWeld		68807.37		10.73	27.48	27.48	18490	Valve	1978.77	Valve	18565.67	36	0.312	52					0.104167	335			649									1250	Unknown		
16866	GirthWeld		68834.85		27.48	39.83	39.83	18500	Valve	2006.25	Valve	18538.19	36	0.312	52					0.407639	335			649									1250	Unknown		
16867	GirthWeld		68874.68		39.83	39.84	39.84	18510	Valve	2046.08	Valve	18498.36	36	0.312	52					11:14	335			649									1250	Unknown		
16868	GirthWeld		68914.52		39.84	39.81	39.8	18520	Valve	2085.92	Valve	18458.52	36	0.312	52					1:40	335			649									1250	Unknown		
16869	GirthWeld		68954.33		39.81	39.13	39.14	18530	Valve	2125.73	Valve	18418.71	36	0.312	52					0.525	335			649									1250	Unknown		
16870	GirthWeld		68993.46		39.13	39.82	39.82	18540	Valve	2164.86	Valve	18379.58	36	0.312	52					0.463889	335			649									1250	Unknown		
16871	GirthWeld		69033.28		39.82	38.87	38.87	18550	Valve	2204.68	Valve	18339.76	36	0.312	52					0.427778	335			649									1250	Unknown		
16872	GirthWeld		69072.15		38.87	39.84	39.84	18560	Valve	2243.55	Valve	18300.89	36	0.312	52					12:44	335			649									1250	Unknown		
16873	GirthWeld		69111.99		39.84	39.76	39.77	18570	Valve	2283.39	Valve	18261.05	36	0.312	52					2:20	335			649									1250	Unknown		
16874	GirthWeld		69151.75		39.76	39.79	39.79	18580	Valve	2323.15	Valve	18221.29	36	0.312	52					0.4625	335			649									1250	Unknown		
16875	GirthWeld		69191.54		39.79	22.9	22.9	18590	Valve	2362.94	Valve	18181.5	36	0.312	52					0.435417	335			649									1250	Unknown		
16876	GirthWeld		69214.44		22.9	11.02	11.02	18600	Valve	2385.84	Valve	18158.6	36	0.312	52					0.432639	335			649									1250	Unknown		
16877	GirthWeld		69225.46		11.02	39.95	39.95	18610	Valve	2396.86	Valve	18147.57	36	0.312	52					1:33	335			649									1250	Unknown		
16878	GirthWeld		69265.41		39.95	39.11	39.1	18620	Valve	2436.81	Valve	18107.63	36	0.312	52					12:46	335			649									1250	Unknown		
16879	GirthWeld		69304.52		39.11	39.37	39.37	18630	Valve	2475.92	Valve	18068.52	36	0.312	52					0.25625	335			649									1250	Unknown		
16880	GirthWeld		69343.89		39.37	39.5	39.5	18640	Valve	2515.29	Valve	18029.15	36	0.312	52					0.190278	335			649									1250	Unknown		
16881	GirthWeld		69383.39		39.5	39.61	39.62	18650	Valve	2554.79	Valve	17989.65	36	0.312	52					0.5	335			649									1250	Unknown		
16882	GirthWeld		69423		39.61	40.09	40.09	18660	Valve	2594.4	Valve	17950.04	36	0.312	52					10:20	335			649									1250	Unknown		
16883	GirthWeld		69463.09		40.09	19.75	19.75	18670	Valve	2634.49	Valve	17909.95	36	0.312	52					11:24	335			649									1250	Unknown		
16884	GirthWeld		69482.84		19.75	39.71	39.71	18680	Valve	2654.24	Valve	17890.2	36	0.312	52					0.443056	335			649									1250	Unknown		
16885	GirthWeld		69522.55		39.71	39.82	39.82	18690	Valve	2693.95	Valve	17850.49	36	0.312	52					0.113889	335			649									1250	Unknown		
16886	GirthWeld		69562.37		39.82	38.92	38.92	18700	Valve	2733.77	Valve	17810.67	36	0.312	52					0.072222	335			649									1250	Unknown		
16887	GirthWeld		69601.29		38.92	39.98	39.99	18710	Valve	2772.69	Valve	17771.75	36	0.312	52					9:24	335			649									1250	Unknown		
16889	CLUSTER	YES	69640.73		39.44	0.54	39.99	18710	Valve	2812.13	Valve	17732.31	36	0.312	52	0.16	0.05	3.86	0.41	6:26	335	1032	743	649	0.45	1.15							1250	Unknown		
16891	GirthWeld		69641.27		39.99	39.84	39.84	18720	Valve	2812.67	Valve	17731.76	36	0.312	52					0.5	335			649									1250	Unknown		
16893	CLUSTER	YES	69643.41		2.14	37.7	39.84	18720	Valve	2814.81	Valve	17729.63	36	0.312	52	0.22	0.07	4.97	0.82	0.265972	335	995	716	649

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
16944	CLUSTER	YES	69655.27		14	25.85	39.84	18720	Valve	2826.67	Valve	17717.77	36	0.312	52	0.16	0.05	7.22	2.11	6:19	335	998	719	649	0.47	1.12							1250	Unknown		
16949	AS_Casing		69662.77		21.5	18.34	39.84	18720	Valve	2834.17	Valve	17710.26	36	0.312	52						335			649									1590	Casing		
16951	CLUSTER	YES	69668.28		27.01	12.83	39.84	18720	Valve	2839.68	Valve	17704.76	36	0.312	52	0.15	0.05	11.80	1.60	0.227083	335	981	706	649	0.47	1.10							1250	Unknown		
16958	CLUSTER	YES	69678.61		37.34	2.51	39.84	18720	Valve	2850.01	Valve	17694.43	36	0.312	52	0.16	0.05	3.88	0.69	0.266667	335	1032	743	649	0.45	1.15							1250	Unknown		
16960	GirthWeld		69681.11		39.84	16.46	16.46	18730	Valve	2852.51	Valve	17691.93	36	0.312	52					0.449306	335			649									1250	Unknown		
16962	CLUSTER	YES	69689.31		8.2	8.27	16.46	18730	Valve	2860.71	Valve	17683.73	36	0.312	52	0.15	0.05	16.08	2.23	6:13	335	971	699	649	0.48	1.09							1250	Unknown		
16970	CLUSTER	YES	69691.1		9.99	6.48	16.46	18730	Valve	2862.5	Valve	17681.94	36	0.312	52	0.24	0.08	13.63	1.07	5:38	335	913	657	649	0.51	1.09							1250	Unknown		
16977	CLUSTER	YES	69693.37		12.26	4.21	16.46	18730	Valve	2864.77	Valve	17679.67	36	0.312	52	0.15	0.05	6.86	0.79	0.238194	335	1006	724	649	0.46	1.12							1250	Unknown		
16982	CLUSTER	YES	69694.32		13.21	3.25	16.46	18730	Valve	2865.72	Valve	17678.71	36	0.312	52	0.18	0.06	7.45	0.50	0.2375	335	986	710	649	0.47	1.10							1250	Unknown		
16987	CLUSTER	YES	69696.62		15.51	0.95	16.46	18730	Valve	2868.02	Valve	17676.42	36	0.312	52	0.23	0.07	9.44	0.79	0.266667	335	941	678	649	0.49	1.10							1250	Unknown		
16991	GirthWeld		69697.57		16.46	39.8	39.8	18740	Valve	2868.97	Valve	17675.47	36	0.312	52					12:42	335			649									1250	Unknown		
16993	CLUSTER	YES	69703.59		6.02	33.78	39.8	18740	Valve	2874.99	Valve	17669.45	36	0.312	52	0.17	0.05	6.91	5.41	5:48	335	995	716	649	0.47	1.11							1250	Unknown		
17003	CLUSTER	YES	69704.43		6.86	32.94	39.8	18740	Valve	2875.83	Valve	17668.61	36	0.312	52	0.19	0.06	27.97	4.68	0.242361	335	928	668	649	0.50	1.07							1250	Unknown		
17026	CLUSTER	YES	69706.62		9.05	30.75	39.8	18740	Valve	2878.02	Valve	17666.42	36	0.312	52	0.16	0.05	14.36	2.48	0.240972	335	968	697	649	0.48	1.09							1250	Unknown		
17036	CLUSTER	YES	69713.06		15.49	24.31	39.8	18740	Valve	2884.46	Valve	17659.98	36	0.312	52	0.18	0.06	21.35	4.40	0.240278	335	942	678	649	0.49	1.08							1250	Unknown		
17047	MELO-CORR	YES	69715.04		17.47	22.33	39.8	18740	Valve	2886.44	Valve	17658	36	0.312	52	0.17	0.05	1.10	0.67	6:15	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17049	CLUSTER	YES	69715.08		17.51	22.29	39.8	18740	Valve	2886.48	Valve	17657.96	36	0.312	52	0.16	0.05	9.22	2.01	5:44	335	985	710	649	0.47	1.11							1250	Unknown		
17056	CLUSTER	YES	69716.33		18.76	21.04	39.8	18740	Valve	2887.73	Valve	17656.71	36	0.312	52	0.22	0.07	4.87	1.10	0.243056	335	996	717	649	0.47	1.12							1250	Unknown		
17061	CLUSTER	YES	69718.07		20.49	19.3	39.8	18740	Valve	2889.46	Valve	17654.97	36	0.312	52	0.18	0.06	8.90	1.67	0.243056	335	975	702	649	0.48	1.09							1250	Unknown		
17069	GirthWeld		69737.37		39.8	25.1	25.1	18750	Valve	2908.77	Valve	17635.67	36	0.312	52					0.092361	335			649									1250	Unknown		
17070	MELO-CORR	YES	69737.79		0.42	24.68	25.1	18750	Valve	2909.19	Valve	17635.25	36	0.312	52	0.18	0.06	1.10	0.20	7:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
17072	CLUSTER	YES	69752.55		15.18	9.92	25.1	18750	Valve	2923.95	Valve	17620.49	36	0.312	52	0.16	0.05	9.11	2.23	5:41	335	986	710	649	0.47	1.10							1250	Unknown		
17079	CLUSTER	YES	69756.31		18.94	6.16	25.1	18750	Valve	2927.71	Valve	17616.73	36	0.312	52	0.18	0.06	6.10	1.29	0.241667	335	998	718	649	0.47	1.12							1250	Unknown		
17081	AE_Casing		69756.5		19.13	5.97	25.1	18750	Valve	2927.9	Valve	17616.54	36	0.312	52						335			649									1590	Casing		
17084	CLUSTER	YES	69758.68		21.31	3.79	25.1	18750	Valve	2930.08	Valve	17614.36	36	0.312	52	0.21	0.07	30.98	5.37	0.2375	335	910	655	649	0.51	1.07							1250	Unknown		
17102	CLUSTER	YES	69760.64		23.27	1.82	25.1	18750	Valve	2932.04	Valve	17612.4	36	0.312	52	0.16	0.05	19.51	2.45	6:11	335	959	690	649	0.49	1.08							1250	Unknown		
17117	CLUSTER	YES	69761.73		24.36	0.74	25.1	18750	Valve	2933.13	Valve	17611.31	36	0.312	52	0.25	0.08	7.58	2.45	5:41	335	945	680	649	0.49	1.11							1250	Unknown		
17127	GirthWeld		69762.47		25.1	39.88	39.88	18760	Valve	2933.87	Valve	17610.57	36	0.312	52					0.088889	335			649									1250	Unknown		
17129	CLUSTER	YES	69762.68		0.21	39.66	39.88	18760	Valve	2934.08	Valve	17610.36	36	0.312	52	0.16	0.05	14.93	4.46	0.246528	335	966	696	649	0.48	1.09							1250	Unknown		
17138	CLUSTER	YES	69764.21		1.74	38.14	39.88	18760	Valve	2935.61	Valve	17608.83	36	0.312	52	0.19	0.06	26.69	6.10	0.239583	335	929	669	649	0.50	1.07							1250	Unknown		
17164	CLUSTER	YES	69766.53		4.06	35.82	39.88	18760	Valve	2937.93	Valve	17606.51	36	0.312	52	0.21	0.07	16.84	5.31	5:45	335	926	667	649	0.50	1.07							1250	Unknown		
17181	CLUSTER	YES	69769.29		6.82	33.06	39.88	18760	Valve	2940.68	Valve	17603.75	36	0.312	52	0.16	0.05	8.16	2.61	6:10	335	991	714	649	0.47	1.11							1250	Unknown		
17184	CLUSTER	YES	69769.51		7.04	32.84	39.88	18760	Valve	2940.91	Valve	17603.53	36	0.312	52	0.15	0.05	15.23	1.32	0.238889	335	973	700	649	0.48	1.08							1250	Unknown		
17195	CLUSTER	YES	69770.26		7.79	32.09	39.88	18760	Valve	2941.66	Valve	17602.78	36	0.312	52	0.17	0.05	18.46	2.67	0.25625	335	953	686	649	0.49	1.09							1250	Unknown		
17210	CLUSTER	YES	69777.49		15.02	24.86	39.88	18760	Valve	2948.89	Valve	17595.55	36	0.312	52	0.18	0.06	11.75	2.73	0.264583	335	962	692	649	0.48	1.09							1250	Unknown		
17217	GirthWeld		69802.35		39.88	36.8	36.8	18770	Valve	2973.75	Valve	17570.69	36	0.312	52					8:32	335			649									1250	Unknown		
17218	GirthWeld		69839.15		36.79	31.38	31.37	18780	Valve	3010.54	Valve	17533.89	36	0.312	52					12:40	335			649									1250	Unknown		
17219	GirthWeld		69870.52		31.37	39.76	39.76	18790	Valve	3041.92	Valve	17502.52	36	0.312	52					0.425	335			649									1250	Unknown		
17220	GirthWeld		69910.28		39.76	38.92	38.91	18800	Valve	3081.68	Valve	17462.76	36	0.312	52					0.476389	335			649									1250	Unknown		
17221	GirthWeld		69949.2		38.92	39.85	39.85	18810	Valve	3120.6	Valve	17423.84	36	0.312	52					0.078472	335			649									1250	Unknown		
17222	GirthWeld		69989.05		39.85	39.76	39.77	18820	Valve	3160.45	Valve	17383.99	36	0.312	52					1:00	335			649									1250	Unknown		
17223	GirthWeld		70028.81		39.76	39.63	39.63	18830	Valve	3200.21	Valve	17344.23	36	0.312	52					10:34	335			649									1250	Unknown		
17224	MELO-CORR	YES	70052.71		23.9	15.73	39.63	18830	Valve	3224.11	Valve	17320.33	36	0.312	52	0.15	0.05	1.18	0.20	0.233333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17225	GirthWeld		70068.44		39.63	35.85	35.85	18840	Valve	3239.84	Valve	17304.6	36	0.312	52					0.466667	335			649									1250	Unknown		
17226	GirthWeld		70104.29		35.85	39.85	39.85	18850	Valve	3275.69	Valve	17268.75	36	0.312	52					0.097222	335			649									1250	Unknown		
17227	GirthWeld		70144.14		39.85	39.27	39.28	18860	Valve	3315.54	Valve	17228.9	36	0.312	52					12:48	335			649									1250	Unknown		
17228	GirthWeld		70183.41		39.27	39.83	39.82	18870	Valve	3354.81	Valve	17189.63	36	0.312	52					11:38	335			649									1250	Unknown		
17229	MELO-CORR	YES	70190.58		7.17	32.66	39.82	18870	Valve	3361.98	Valve	17182.46	36	0.312	52	0.2	0.06	1.10	0.16	0.242361	335	1068	769	649	0.44	1.18							1598	Metal Loss		
17230	GirthWeld		70223.24		39.83	39.77	39.77	18880	Valve	3394.64	Valve	17149.8	36	0.312	52					0.4375	335			649									1250	Unknown		
17232	CLUSTER	YES	70258.14		34.9	4.87	39.77	18880	Valve	3429.54	Valve	17114.9	36	0.312	52	0.15	0.05	3.28	0.35	0.2625	335	1043	751	649	0.45	1.16							1250	Unknown		
17234	GirthWeld		70263.01		39.77	39.46	39.46	18890	Valve	3434.41	Valve	17110.03	36	0.312	52					12:48	335			649									1250	Unknown		
17235	GirthWeld		70302.47		39.46	39.74	39.74	18900	Valve	3473.87	Valve	17070.57	36	0.312	52					1:50	335			649									1250	Unknown		
17237	CLUSTER	YES	70302.99		0.52	39.22	39.74	18900	Valve	3474.39	Valve	17070.05	36	0.312	52	0.16	0.05	5.15	1.42	0.25625	335	1017	732	649	0.46	1.14							1250	Unknown		
17240	CLUSTER	YES	70314.31		11.84	27.9	39.74	18900	Valve	3485.71	Valve	17058.73	36	0.312	52	0.16	0.05	4.32	0.60	0.255556	335	1026	739	649	0.45	1.15							1250	Unknown		
17243	GirthWeld		70342.21		39.74	38.43	38.43	18910	Valve	3513.61	Valve	17030.83	36	0.312	52					0.429861	335			649									1250	Unknown		
17244	GirthWeld		70380.64		38.43	39.79	39.8	18920	Valve	3552.04	Valve	16992.4	36	0.312	52					11:32	335			649									1250	Unknown		
17245	GirthWeld		70420.43		39.79	39.71	39.7	18930	Valve	3591.83	Valve	16952.6	36	0.312	52					12:52	335			649									1250	Unknown		
17246	GirthWeld		70460.14		39.71	38.77	38.78	18940	Valve	3631.54	Valve	16912.9	36	0.312	52					0.1	335			649									1250	Unknown		
17247	GirthWeld		70498.91		38.77	39.18	39.17	18950	Valve	3670.31	Valve	16874.13	36	0.312	52					0.5	335			649									1250	Unknown		
17249	CLUSTER	YES	70522.79		23.88	15.29	39.17	18950	Valve	3694.19	Valve	16850.25	36	0.312	52	0.15	0.05	1.51	0.72	0.243056	335	1066	767	649	0.44	1.18							1250	Unknown		
17251	GirthWeld		70538.09		39.18	33.4	33.4	18960	Valve	3709.49	Valve	16834.95	36	0.312	52					10:46	335			649									1250	Unknown		
17252	GirthWeld		70571.49		33.4	39.91	39.9	18970	Valve	3742.89	Valve	16801.55	36	0.312	52					2:04	335			649									1250	Unknown		
17253	GirthWeld		70611.4		39.91	39.82	39.83	18980	Valve	3782.8	Valve	16761.64	36	0.312	52					0.5375	335			649									1250	Unknown		
17254	GirthWeld		70651.22		39.82	39.83	39.83	18990	Valve	3822.62	Valve	16721.82	36	0.312	52					0.473611	335			649									1250	Unknown		
17255	GirthWeld		70691.05		39.83	39.67	39.67	19000	Valve	3862.45	Valve	16681.99	36	0.312	52					0.438889	335			649									1250	Unknown		
17256	GirthWeld		70730.72		39.67	38.86	38.86	19010	Valve	3902.12	Valve	16642.32	36	0.312	52					1:36	335			649									1250	Unknown		
17257	GirthWeld		70769.58		38.86	16.89	16.89	19020	Valve	3940.98	Valve	16603.46	36	0.312	52					12:52	335			649									1250	Unknown		
17258	GirthWeld		70786.47		16.89	22.81	22.81	19030	Valve	3957.87	Valve	16586.57	36	0.312	52					0.058333	335			649									1250	Unknown		
17259	GirthWeld		70809.28		22.81	39.86	39.87	19040	Valve	3980.68	Valve	16563.76	36	0.312	52					0.484028	335			649									1250	Unknown		
17260	GirthWeld		70849.14		39.86	37.29	37.29	19050	Valve	4020.54	Valve	16523.9	36	0.312	52					0.422222	335			649									1250	Unknown		
17261	GirthWeld		70886.43		37.29	39.82	39.82	19060	Valve	4057.83	Valve	16486.61	36	0.312	52					12:52	335			649									1250	Unknown		
17262	GirthWeld		70926.25		39.82	39.85	39.85	19070	Valve	4097.65	Valve	16446.79	36	0.312	52					2:26	335			649									1250	Unknown		
17263	GirthWeld		70966.1		39.85	36.3	36.3	19080	Valve	4137.5	Valve	16406.94	36	0.312	52					0.434722	335			649									1250	Unknown		
17264	GirthWeld		71002.4		36.3	39.83	39.83	19090	Valve	4173.8	Valve	16370.64	36	0.312	52					0.480556	335			649									1250	Unknown		
17265	GirthWeld		71042.23		39.83	39.86	39.86	19100	Valve	4213.63	Valve	16330.81	36	0.312	52					0.532639	335			649									1250	Unknown		
17266	GirthWeld		71082.09		39.86	39.16	39.16	19110	Valve	4253.49	Valve	16290.95	36	0.312	52					1:48	335			649									1250	Unknown		
17267	GirthWeld		71121.25		39.16	39.81	39.81	19120	Valve	4292.65	Valve	16251.79	36	0.312	52					11:14	335			649									1250	Unknown		
17268	GirthWeld		71161.06		39.81	39.81	39.81	19130	Valve	4332.46	Valve	16211.98	36	0.312	52					0.405556	335			649									1250	Unknown		
17269	GirthWeld		71200.87		39.81	38.5	38.49	19140	Valve	4372.27	Valve	16172.17	36	0.312	52					0.540278	335			649									1250	Unknown		
17270	MELO-CORR	YES	71217.03		16.16	22.33	38.49	19140	Valve	4388.43	Valve	16156.01	36	0.312	52	0.29	0.09	1.46	0.55	0.186806	335	1056	760	649	0.44	1.17							1598	Metal Loss		
17271	GirthWeld		71239.37		38.5	39.79	39.8	19150	Valve	4410.76	Valve	16133.67	36	0.312	52					2:34	335			649									1250	Unknown		
17272	GirthWeld		71279.16		39.79	38.93	38.92	19160	Valve	4450.56	Valve	16093.88	36	0.312	52					9:56	335			649									1250	Unknown		
17273	GirthWeld		71318.09		38.93	39.82	39.83	19170	Valve	4489.49	Valve	16054.95	36	0.312	52					0.461111	335			649									1250	Unknown		
17274	LWFE	n/a	71319.06		0.97	38.86	39.83	19170	Valve	4490.46	Valve	16053.98	36	0.312	52					0.460417	335			649									2168	seam weld anomaly		
17275	GirthWeld		71357.91		39.82	39.32	39.32	19180	Valve	4529.31	Valve	16015.13	36	0.312	52					0.523611	335			649									1250	Unknown		
17276	GirthWeld		71397.23		39.32	39.62	39.62	19190	Valve	4568.63	Valve	15975.81	36	0.312	52					2:41	335			649									1250	Unknown		
17277	GirthWeld		71436.85		39.63	39.82	39.81	19200	Valve	4608.25	Valve	15936.18	36	0.312	52					9:28	335			649									1250	Unknown		
17278	GirthWeld		71476.67		39.82	39.85	39.85	19210	Valve	4648.07	Valve	15896.37	36	0.312	52					0.457639	335			649									1250	Unknown		
17280	CLUSTER	YES	71480.82		4.15	35.7	39.85	19210	Valve	4652.22	Valve	15892.22	36	0.312	52	0.16	0.05	6.48	2.23	0.270833	335	1004	723	649	0.46	1.13							1250	Unknown		
17282	CLUSTER	YES	71480.82		4.15	35.7	39.85	19210	Valve	4652.22	Valve	15892.22	36	0.312	52	0.19	0.06	5.34	1.32	0.223611	335	1002	721	649	0.46	1.12							1250	Unknown		
17288	CLUSTER	YES	71485.56		8.89	30.96	39.85	19210	Valve	4656.96	Valve	15887.48	36	0.312	52	0.15	0.05	5.29	0.69	6:44	335	1019	734	649	0.46	1.13							1250	Unknown		
17292	CLUSTER	YES	71486.51		9.84	30.01	39.85	19210	Valve	4657.91	Valve	15886.53	36	0.312	52	0.15	0.05	9.58	1.82	5:14	335	990	713	649	0.47	1.10							1250	Unknown		
17297	MELO-CORR	YES	71492.82		16.15	23.7	39.85	19210	Valve	4664.21	Valve	15880.22	36	0.312	52	0.15	0.05	1.34	0.63	0.259028	335	1067	769	649	0.44	1.18							1598	Metal Loss		
17299	CLUSTER	YES	71493.81		17.14	22.71	39.85	19210	Valve	4665.21	Valve	15879.23	36	0.312	52	0.23	0.07	6.90	0.76	0.256944	335	964	694	649	0.48	1.12							1250	Unknown		
17304	CLUSTER	YES	71495.09		18.42	21.43	39.85	19210	Valve	4666.49	Valve	15877.95	36	0.312	52	0.16	0.05	1.24	1.01	0.25625	335	1068	769	649	0.44	1.18							1250	Unknown		
17307	CLUSTER	YES	71495.95		19.28	20.57	39.85	19210	Valve	4667.35	Valve	15877.09	36	0.312	52	0.16	0.05	2.12	0.35	6:49	335	1057	761	649	0.44	1.17							1250	Unknown		
17310	CLUSTER	YES	71508.36		31.69	8.16	39.85	19210	Valve	4679.76	Valve	15864.68	36	0.312	52	0.2	0.06	5.46	1.04	5:43	335	996	717	649	0.47	1.13							1250	Unknown		
17314	CLUSTER	YES	71508.74		32.07	7.78	39.85	19210	Valve	4680.14	Valve	15864.3	36	0.312	52	0.16	0.05	8.93	1.57	0.25625	335	987	711	649	0.47	1.11							1250	Unknown		
17320	CLUSTER	YES	71509.57		32.9	6.95	39.85	19210	Valve	4680.96	Valve	15863.47	36	0.312	52	0.2	0.06	6.14	1.20	0.238194	335	988	711	649	0.47	1.12							1250	Unknown		
17325	CLUSTER	YES	71512.13		35.46	4.39	39.85	19210	Valve	4683.53	Valve	15860.91	36	0.312	52	0.18	0.06	7.24	0.79	0.259028	335	987	711	649	0.47	1.12							1250	Unknown		
17329	CLUSTER	YES	71512.91		36.24	3.61	39.85	19210	Valve	4684.31	Valve	15860.13	36	0.312	52	0.15	0.05	3.65	0.82	6:13	335	1038	747	649	0.45	1.15							1250	Unknown		
17333	CLUSTER	YES	71513.49		36.82	3.03	39.85	19210	Valve	4684.89	Valve	15859.55	36	0.312	52	0.17	0.05	5.81	1.29	6:12	335	1005	724	649	0.46	1.13							1250	Unknown		
17336	GirthWeld		71516.52		39.85	39.28	39.28	19220	Valve	4687.92	Valve	15856.52	36	0.312	52					0.055556	335			649									1250	Unknown		
17338	CLUSTER	YES	71521.08		4.56	34.72	39.28	19220	Valve	4692.48	Valve	15851.96	36	0.312	52	0.15	0.05	7.85	0.85	0.256944	335	999	719	649	0.47	1.12							1250	Unknown		
17342	CLUSTER	YES	71523.78		7.26	32.02	39.28	19220	Valve	4695.18	Valve	15849.26	36	0.312	52	0.15	0.05	6.97	4.24	0.241667	335	1005	723	649	0.46	1.12							1250	Unknown		
17349	CLUSTER	YES	71530.13		13.61	25.67	39.28	19220	Valve	4701.53	Valve	15842.91	36	0.312	52	0.19	0.06	8.15	0.97	6:08	335	975	702	649	0.48	1.11							1250	Unknown		
17355	CLUSTER	YES	71533.71		17.19	22.09	39.28	19220	Valve	4705.11	Valve	15839.33	36	0.312	52	0.17	0.05	7.14	1.64	6:06	335	993	715	649	0.47	1.12							1250	Unknown		
17364	CLUSTER	YES	71535.33		18.81	20.47	39.28	19220	Valve	4706.73	Valve	15837.71	36	0.312	52	0.16	0.05	7.78	4.02	0.243056	335	994	716	649	0.47	1.11							1250	Unknown

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
17405	GirthWeld		71778.55		39.76	39.22	39.22	19290	Valve	4949.95	Valve	15594.49	36	0.312	52					10:21	335			649									1250	Unknown		
17406	MELO-CORR	YES	71788.17		9.62	29.6	39.22	19290	Valve	4959.57	Valve	15584.87	36	0.312	52	0.15	0.05	1.10	0.16	7:22	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17407	MELO-CORR	YES	71788.51		9.96	29.26	39.22	19290	Valve	4959.91	Valve	15584.53	36	0.312	52	0.2	0.06	1.58	0.47	0.216667	335	1061	764	649	0.44	1.18							1598	Metal Loss		
17408	MELO-CORR	YES	71790.61		12.06	27.16	39.22	19290	Valve	4962.01	Valve	15582.43	36	0.312	52	0.15	0.05	1.14	0.20	0.191667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17409	MELO-CORR	YES	71802.11		23.56	15.66	39.22	19290	Valve	4973.51	Valve	15570.93	36	0.312	52	0.23	0.07	1.10	0.16	0.198611	335	1066	768	649	0.44	1.18							1598	Metal Loss		
17410	GirthWeld		71817.77		39.22	39.86	39.86	19300	Valve	4989.17	Valve	15555.27	36	0.312	52					12:00	335			649									1250	Unknown		
17412	CLUSTER	YES	71824.32		6.54	33.32	39.86	19300	Valve	4995.71	Valve	15548.72	36	0.312	52	0.18	0.06	1.27	0.38	7:16	335	1067	768	649	0.44	1.18							1250	Unknown		
17414	MELO-CORR	YES	71833.28		15.51	24.35	39.86	19300	Valve	5004.68	Valve	15539.76	36	0.312	52	0.15	0.05	1.10	0.20	0.255556	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17416	CLUSTER	YES	71835.83		18.06	21.8	39.86	19300	Valve	5007.23	Valve	15537.21	36	0.312	52	0.19	0.06	1.21	0.57	0.314583	335	1067	768	649	0.44	1.18							1250	Unknown		
17418	MELO-CORR	YES	71843.37		25.6	14.26	39.86	19300	Valve	5014.77	Valve	15529.67	36	0.312	52	0.15	0.05	1.10	0.20	0.329861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17419	GirthWeld		71857.63		39.86	39.89	39.89	19310	Valve	5029.03	Valve	15515.41	36	0.312	52					1:48	335			649									1250	Unknown		
17420	MELO-CORR	YES	71860.01		2.38	37.51	39.89	19310	Valve	5031.41	Valve	15513.03	36	0.312	52	0.15	0.05	1.22	0.20	6:37	335	1069	769	649	0.44	1.19							1598	Metal Loss		
17421	MIFE	n/a	71860.6		2.96	36.93	39.89	19310	Valve	5031.99	Valve	15512.44	36	0.312	52					0.102778	335			649									2167	Mill Anomaly		
17422	MELO-CORR	YES	71872.78		15.15	24.74	39.89	19310	Valve	5044.18	Valve	15500.26	36	0.312	52	0.16	0.05	1.10	0.35	0.224306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17424	CLUSTER	YES	71882.77		25.14	14.75	39.89	19310	Valve	5054.17	Valve	15490.26	36	0.312	52	0.2	0.06	10.98	3.61	0.244444	335	952	685	649	0.49	1.08							1250	Unknown		
17433	CLUSTER	YES	71893.95		36.32	3.58	39.89	19310	Valve	5065.35	Valve	15479.09	36	0.312	52	0.2	0.06	2.04	1.45	6:06	335	1053	758	649	0.44	1.17							1250	Unknown		
17435	GirthWeld		71897.52		39.89	36.55	36.55	19320	Valve	5068.92	Valve	15475.51	36	0.312	52					9:30	335			649									1250	Unknown		
17436	GirthWeld		71934.07		36.55	39.72	39.72	19330	Valve	5105.47	Valve	15438.97	36	0.312	52					0.469444	335			649									1250	Unknown		
17437	GirthWeld		71973.79		39.72	32.72	32.72	19340	Valve	5145.19	Valve	15399.25	36	0.312	52					0.533333	335			649									1250	Unknown		
17438	GirthWeld		72006.51		32.72	39.79	39.79	19350	Valve	5177.91	Valve	15366.53	36	0.312	52					0.111111	335			649									1250	Unknown		
17439	GirthWeld		72046.3		39.79	39.82	39.82	19360	Valve	5217.7	Valve	15326.74	36	0.312	52					8:58	335			649									1250	Unknown		
17440	GirthWeld		72086.12		39.82	38.26	38.26	19370	Valve	5257.52	Valve	15286.92	36	0.312	52					11:28	335			649									1250	Unknown		
17441	GirthWeld		72124.38		38.26	39.85	39.84	19380	Valve	5295.77	Valve	15248.66	36	0.312	52					0.525	335			649									1250	Unknown		
17442	GirthWeld		72164.22		39.84	39.72	39.72	19390	Valve	5335.62	Valve	15208.82	36	0.312	52					0.086806	335			649									1250	Unknown		
17443	GirthWeld		72203.94		39.72	39.82	39.82	19400	Valve	5375.34	Valve	15169.1	36	0.312	52					0.451389	335			649									1250	Unknown		
17445	CLUSTER	YES	72224.53		20.59	19.22	39.82	19400	Valve	5395.93	Valve	15148.51	36	0.312	52	0.2	0.06	1.21	1.38	5:54	335	1066	768	649	0.44	1.18							1250	Unknown		
17448	CLUSTER	YES	72229.62		25.68	14.14	39.82	19400	Valve	5401.02	Valve	15143.42	36	0.312	52	0.23	0.07	1.64	0.97	5:55	335	1057	761	649	0.44	1.18							1250	Unknown		
17451	CLUSTER	YES	72236.88		32.94	6.87	39.82	19400	Valve	5408.28	Valve	15136.16	36	0.312	52	0.16	0.05	3.72	0.69	0.25625	335	1035	745	649	0.45	1.15							1250	Unknown		
17454	CLUSTER	YES	72239.87		35.93	3.89	39.82	19400	Valve	5411.26	Valve	15133.17	36	0.312	52	0.17	0.05	3.19	2.64	0.245833	335	1039	748	649	0.45	1.16							1250	Unknown		
17458	GirthWeld		72243.76		39.82	39.83	39.83	19410	Valve	5415.15	Valve	15129.28	36	0.312	52					0.513194	335			649									1250	Unknown		
17460	CLUSTER	YES	72260.25		16.49	23.34	39.83	19410	Valve	5431.65	Valve	15112.79	36	0.312	52	0.18	0.06	3.42	0.50	6:10	335	1033	744	649	0.45	1.15							1250	Unknown		
17462	GirthWeld		72283.59		39.83	23.84	23.84	19420	Valve	5454.99	Valve	15089.45	36	0.312	52					1:26	335			649									1250	Unknown		
17463	GirthWeld		72307.43		23.84	39.79	39.79	19430	Valve	5478.83	Valve	15065.61	36	0.312	52					0.5	335			649									1250	Unknown		
17464	MELO-CORR	YES	72329.42		21.99	17.8	39.79	19430	Valve	5500.82	Valve	15043.62	36	0.312	52	0.21	0.07	1.22	0.20	0.260417	335	1066	767	649	0.44	1.18							1598	Metal Loss		
17465	GirthWeld		72347.22		39.79	39.92	39.93	19440	Valve	5518.62	Valve	15025.82	36	0.312	52					0.433333	335			649									1250	Unknown		
17466	GirthWeld		72387.14		39.92	39.9	39.89	19450	Valve	5558.54	Valve	14985.9	36	0.312	52					9:00	335			649									1250	Unknown		
17467	GirthWeld		72427.04		39.9	39.96	39.96	19460	Valve	5598.44	Valve	14946	36	0.312	52					1:18	335			649									1250	Unknown		
17468	MELO-CORR	YES	72434.01		6.97	32.99	39.96	19460	Valve	5605.41	Valve	14939.03	36	0.312	52	0.15	0.05	1.10	0.20	0.261111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17469	MELO-CORR	YES	72438.38		11.34	28.61	39.96	19460	Valve	5609.78	Valve	14934.66	36	0.312	52	0.15	0.05	1.14	0.39	0.265972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17470	MELO-CORR	YES	72447.41		20.37	19.59	39.96	19460	Valve	5618.81	Valve	14925.63	36	0.312	52	0.16	0.05	1.18	0.55	0.259028	335	1069	769	649	0.44	1.19							1598	Metal Loss		
17471	GirthWeld		72467		39.96	38.03	38.04	19470	Valve	5638.4	Valve	14906.04	36	0.312	52					3:23	335			649									1250	Unknown		
17473	CLUSTER	YES	72473.99		6.99	31.04	38.04	19470	Valve	5645.39	Valve	14899.05	36	0.312	52	0.15	0.05	8.57	3.46	5:24	335	995	716	649	0.47	1.11							1250	Unknown		
17477	MELO-CORR	YES	72482.56		15.56	22.47	38.04	19470	Valve	5653.96	Valve	14890.48	36	0.312	52	0.15	0.05	1.22	0.16	0.229861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
17478	MELO-CORR	YES	72483.69		16.69	21.34	38.04	19470	Valve	5655.09	Valve	14889.35	36	0.312	52	0.16	0.05	1.22	0.16	0.228472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
17480	CLUSTER	YES	72483.94		16.94	21.09	38.04	19470	Valve	5655.34	Valve	14889.1	36	0.312	52	0.16	0.05	16.39	1.38	0.227778	335	963	694	649	0.48	1.09							1250	Unknown		
17487	CLUSTER	YES	72485.63		18.63	19.4	38.04	19470	Valve	5657.03	Valve	14887.41	36	0.312	52	0.16	0.05	3.94	1.07	5:24	335	1031	743	649	0.45	1.15							1250	Unknown		
17490	MELO-CORR	YES	72498.91		31.91	6.12	38.04	19470	Valve	5670.31	Valve	14874.13	36	0.312	52	0.16	0.05	1.22	0.35	6:16	335	1068	769	649	0.44	1.19							1598	Metal Loss		
17491	MELO-CORR	YES	72499.74		32.74	5.29	38.04	19470	Valve	5671.14	Valve	14873.3	36	0.312	52	0.17	0.05	0.87	0.28	0.260417	335	1071	771	649	0.43	1.19							1598	Metal Loss		
17492	MELO-CORR	YES	72501.1		34.1	3.93	38.04	19470	Valve	5672.5	Valve	14871.94	36	0.312	52	0.15	0.05	1.10	0.20	0.272917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17493	GirthWeld		72505.03		38.03	39.7	39.69	19480	Valve	5676.43	Valve	14868.01	36	0.312	52					0.35	335			649									1250	Unknown		
17494	GirthWeld		72544.73		39.7	39.86	39.86	19490	Valve	5716.13	Valve	14828.31	36	0.312	52					10:10	335			649									1250	Unknown		
17495	GirthWeld		72584.59		39.86	39.78	39.78	19500	Valve	5755.99	Valve	14788.45	36	0.312	52					1:46	335			649									1250	Unknown		
17497	CLUSTER	YES	72616.63		32.04	7.74	39.78	19500	Valve	5788.03	Valve	14756.41	36	0.312	52	0.16	0.05	7.72	1.89	0.242361	335	994	716	649	0.47	1.11							1250	Unknown		
17504	CLUSTER	YES	72619.5		34.91	4.87	39.78	19500	Valve	5790.9	Valve	14753.54	36	0.312	52	0.15	0.05	5.56	4.21	0.244444	335	1017	732	649	0.46	1.13							1250	Unknown		
17509	MELO-CORR	YES	72621.81		37.22	2.56	39.78	19500	Valve	5793.21	Valve	14751.23	36	0.312	52	0.17	0.05	1.10	0.47	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17510	GirthWeld		72624.37		39.78	39.82	39.82	19510	Valve	5795.77	Valve	14748.67	36	0.312	52					12:33	335			649									1250	Unknown		
17512	CLUSTER	YES	72625.38		1.01	38.81	39.82	19510	Valve	5796.78	Valve	14747.66	36	0.312	52	0.19	0.06	3.35	0.41	5:27	335	1032	743	649	0.45	1.16							1250	Unknown		
17515	CLUSTER	YES	72634.73		10.36	29.47	39.82	19510	Valve	5806.13	Valve	14738.31	36	0.312	52	0.15	0.05	26.88	4.75	0.239583	335	961	692	649	0.48	1.07							1250	Unknown		
17520	CLUSTER	YES	72635.76		11.39	28.43	39.82	19510	Valve	5807.16	Valve	14737.28	36	0.312	52	0.2	0.06	3.07	0.60	0.268056	335	1034	745	649	0.45	1.16							1250	Unknown		
17531	CLUSTER	YES	72638.24		13.87	25.95	39.82	19510	Valve	5809.64	Valve	14734.8	36	0.312	52	0.15	0.05	2.99	1.48	0.242361	335	1047	754	649	0.44	1.16							1250	Unknown		
17533	MELO-CORR	YES	72647.52		23.15	16.67	39.82	19510	Valve	5818.92	Valve	14725.52	36	0.312	52	0.15	0.05	1.22	0.47	6:08	335	1069	769	649	0.44	1.19							1598	Metal Loss		
17535	CLUSTER	YES	72648.81		24.44	15.38	39.82	19510	Valve	5820.21	Valve	14724.23	36	0.312	52	0.17	0.05	8.46	2.70	6:08	335	984	708	649	0.47	1.11							1250	Unknown		
17541	CLUSTER	YES	72650.73		26.36	13.46	39.82	19510	Valve	5822.13	Valve	14722.31	36	0.312	52	0.18	0.06	12.16	3.96	0.245139	335	960	691	649	0.48	1.09							1250	Unknown		
17554	CLUSTER	YES	72652.09		27.72	12.1	39.82	19510	Valve	5823.49	Valve	14720.95	36	0.312	52	0.19	0.06	11.33	1.89	0.25625	335	957	689	649	0.49	1.08							1250	Unknown		
17561	CLUSTER	YES	72653.66		29.29	10.53	39.82	19510	Valve	5825.06	Valve	14719.38	36	0.312	52	0.16	0.05	16.16	1.70	0.233333	335	964	694	649	0.48	1.08							1250	Unknown		
17562	MELO-CORR	YES	72653.72		29.35	10.47	39.82	19510	Valve	5825.12	Valve	14719.32	36	0.312	52	0.2	0.06	2.09	1.69	6:15	335	1052	758	649	0.44	1.17							1598	Metal Loss		
17569	CLUSTER	YES	72654.33		29.96	9.86	39.82	19510	Valve	5825.73	Valve	14718.71	36	0.312	52	0.2	0.06	8.80	1.10	6:13	335	964	694	649	0.48	1.11							1250	Unknown		
17578	CLUSTER	YES	72655.22		30.85	8.98	39.82	19510	Valve	5826.62	Valve	14717.82	36	0.312	52	0.15	0.05	16.33	4.46	0.243056	335	971	699	649	0.48	1.09							1250	Unknown		
17591	CLUSTER	YES	72660.35		35.98	3.84	39.82	19510	Valve	5831.75	Valve	14712.69	36	0.312	52	0.2	0.06	6.01	1.04	0.257639	335	989	712	649	0.47	1.13							1250	Unknown		
17593	GirthWeld		72664.19		39.82	36.54	36.54	19520	Valve	5835.59	Valve	14708.85	36	0.312	52					0.410417	335			649									1250	Unknown		
17595	CLUSTER	YES	72666.95		2.76	33.78	36.54	19520	Valve	5838.35	Valve	14706.09	36	0.312	52	0.19	0.06	3.24	0.57	6:18	335	1034	745	649	0.45	1.15							1250	Unknown		
17599	CLUSTER	YES	72668.29		4.1	32.44	36.54	19520	Valve	5839.69	Valve	14704.75	36	0.312	52	0.23	0.07	13.01	1.16	6:14	335	923	664	649	0.50	1.08							1250	Unknown		
17606	CLUSTER	YES	72669.72		5.53	31.01	36.54	19520	Valve	5841.12	Valve	14703.32	36	0.312	52	0.15	0.05	3.59	1.64	0.243056	335	1039	748	649	0.45	1.15							1250	Unknown		
17611	CLUSTER	YES	72676.86		12.67	23.87	36.54	19520	Valve	5848.26	Valve	14696.18	36	0.312	52	0.15	0.05	11.09	4.24	0.241667	335	984	708	649	0.47	1.09							1250	Unknown		
17619	CLUSTER	YES	72680.36		16.17	20.38	36.54	19520	Valve	5851.76	Valve	14692.68	36	0.312	52	0.25	0.08	5.02	0.47	0.241667	335	982	707	649	0.47	1.10							1250	Unknown		
17621	MELO-CORR	YES	72684.2		20.01	16.53	36.54	19520	Valve	5855.6	Valve	14688.84	36	0.312	52	0.15	0.05	1.10	0.47	5:38	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17623	CLUSTER	YES	72684.49		20.3	16.24	36.54	19520	Valve	5855.89	Valve	14688.55	36	0.312	52	0.18	0.06	9.50	1.70	5:50	335	972	700	649	0.48	1.09							1250	Unknown		
17629	MELO-CORR	YES	72688.63		24.44	12.1	36.54	19520	Valve	5860.03	Valve	14684.41	36	0.312	52	0.15	0.05	1.14	0.39	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
17631	CLUSTER	YES	72688.81		24.62	11.92	36.54	19520	Valve	5860.21	Valve	14684.23	36	0.312	52	0.15	0.05	6.79	0.82	0.260417	335	1006	724	649	0.46	1.12							1250	Unknown		
17634	CLUSTER	YES	72690.36		26.17	10.38	36.54	19520	Valve	5861.76	Valve	14682.68	36	0.312	52	0.15	0.05	4.72	0.88	0.257639	335	1025	738	649	0.45	1.14							1250	Unknown		
17637	CLUSTER	YES	72691.01		26.82	9.73	36.54	19520	Valve	5862.41	Valve	14682.03	36	0.312	52	0.21	0.07	5.47	2.45	5:57	335	992	714	649	0.47	1.13							1250	Unknown		
17641	CLUSTER	YES	72691.75		27.56	8.99	36.54	19520	Valve	5863.15	Valve	14681.29	36	0.312	52	0.19	0.06	4.55	0.91	6:12	335	1013	729	649	0.46	1.14							1250	Unknown		
17645	CLUSTER	YES	72693.34		29.15	7.39	36.54	19520	Valve	5864.74	Valve	14679.7	36	0.312	52	0.2	0.06	3.95	0.66	0.259722	335	1019	734	649	0.46	1.13							1250	Unknown		
17647	GirthWeld		72700.73		36.54	39.83	39.82	19530	Valve	5872.13	Valve	14672.31	36	0.312	52					0.469444	335			649									1250	Unknown		
17649	CLUSTER	YES	72707.27		6.54	33.29	39.82	19530	Valve	5878.67	Valve	14665.77	36	0.312	52	0.2	0.06	7.42	1.60	0.250694	335	975	702	649	0.48	1.10							1250	Unknown		
17655	CLUSTER	YES	72708.03		7.3	32.53	39.82	19530	Valve	5879.43	Valve	14665.01	36	0.312	52	0.18	0.06	3.06	1.07	6:07	335	1039	748	649	0.45	1.16							1250	Unknown		
17657	MELO-CORR	YES	72725.76		25.03	14.79	39.82	19530	Valve	5897.16	Valve	14647.28	36	0.312	52	0.15	0.05	1.10	0.16	5:32	335	1070	770	649	0.43	1.19							1598	Metal Loss		
17659	CLUSTER	YES	72730.3		29.57	10.26	39.82	19530	Valve	5901.7	Valve	14642.74	36	0.312	52	0.19	0.06	3.17	0.54	0.263194	335	1035	745	649	0.45	1.16							1250	Unknown		
17661	GirthWeld		72740.56		39.83	39.51	39.51	19540	Valve	5911.96	Valve	14632.48	36	0.312	52					0.529167	335			649									1250	Unknown		
17663	CLUSTER	YES	72746.33		5.77	33.74	39.51	19540	Valve	5917.73	Valve	14626.71	36	0.312	52	0.16	0.05	4.94	2.80	0.239583	335	1019	734	649	0.46	1.13							1250	Unknown		
17668	GirthWeld		72780.07		39.51	39.15	39.16	19550	Valve	5951.47	Valve	14592.97	36	0.312	52					2:20	335			649									1250	Unknown		
17669	GirthWeld		72819.22		39.15	39.64	39.64	19560	Valve	5990.62	Valve	14553.82	36	0.312	52					10:58	335			649									1250	Unknown		
17670	GirthWeld		72858.86		39.64	39.39	39.39	19570	Valve	6030.26	Valve	14514.18	36	0.312	52					0.413194	335			649									1250	Unknown		
17672	CLUSTER	YES	72874.96		16.1	23.29	39.39	19570	Valve	6046.36	Valve	14498.08	36	0.312	52	0.31	0.10	15.16	7.42	0.238111	335	855	616	649	0.54	1.06							1250	Unknown		
17687	CLUSTER	YES	72876.19		17.33	22.06	39.39	19570	Valve	6047.59	Valve	14496.85	36	0.312	52	0.17	0.05	16.68	5.78	0.242361	335	956	688	649	0.49	1.07							1250	Unknown		
17707	CLUSTER	YES	72877.67		18.81	20.58	39.39	19570	Valve	6049.07	Valve	14495.37	36	0.312	52	0.22	0.07	20.70	2.29	6:15	335	912	657	649	0.51	1.05							1250	Unknown		
17713	CLUSTER	YES	72878.41		19.55	19.84	39.39	19570	Valve	6049.81	Valve	14494.63	36	0.312	52	0.29	0.09	8.46	1.38	5:39	335	912	656	649	0.51	1.05							1250	Unknown		
17723	CLUSTER	YES	72883.82		24.96	14.44	39.39	19570	Valve	6055.22	Valve	14489.22	36	0.312	52	0.15	0.05	3.98	2.64	0.246528	335	1034	744	649	0.45	1.15							1250	Unknown		
17728	CLUSTER	YES	72884.3		25.44	13.95	39.39	19570	Valve	6055.7	Valve	14488.74	36	0.312	52	0.16	0.05	10.80	3.24	0.247222	335	978	704	649	0.48	1.10							1250	Unknown		
17739	CLUSTER	YES	72885.68		26.82	12.57	39.39	19570	Valve	6057.08	Valve	14487.36	36	0.312	52	0.15	0.05	8.70	6.32	0.243056	335	994	716	649	0.47	1.11							1250	Unknown		
17749	CLUSTER	YES	72887.14		28.28	11.11	39.39	19570	Valve	6058.54	Valve	14485.9	36	0.312	52	0.24	0.08	12.13	6.60	5:34	335	919	662	649	0.51	1.07							1250	Unknown		
17761	CLUSTER	YES	72890.59		31.73	7.66	39.39	19570	Valve	6061.99	Valve	14482.45	36	0.312	52	0.19	0.06	6.50	1.16	6:10	335	989	712	649	0.47	1.12							1250	Unknown

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
17922	GirthWeld		73016.76		39.64	39.72	39.72	19610	Valve	6188.16	Valve	14356.28	36	0.312	52					1:40	335			649									1250	Unknown		
17923	GirthWeld		73056.48		39.72	39.74	39.75	19620	Valve	6227.88	Valve	14316.56	36	0.312	52					11:12	335			649									1250	Unknown		
17924	GirthWeld		73096.22		39.74	39.83	39.83	19630	Valve	6267.62	Valve	14276.82	36	0.312	52					0.068056	335			649									1250	Unknown		
17925	GirthWeld		73136.05		39.83	40	40	19640	Valve	6307.45	Valve	14236.99	36	0.312	52					0.518056	335			649									1250	Unknown		
17926	GirthWeld		73176.05		40	40.03	40.03	19650	Valve	6347.45	Valve	14196.99	36	0.312	52					0.429167	335			649									1250	Unknown		
17927	GirthWeld		73216.08		40.03	38.65	38.65	19660	Valve	6387.48	Valve	14156.96	36	0.312	52					1:54	335			649									1250	Unknown		
17928	GirthWeld		73254.73		38.65	40.08	40.08	19670	Valve	6426.13	Valve	14118.31	36	0.312	52					1:02	335			649									1250	Unknown		
17929	MELO-CORR	YES	73283.53		28.8	11.28	40.08	19670	Valve	6454.93	Valve	14089.51	36	0.312	52	0.16	0.05	1.22	0.20	0.263194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
17931	CLUSTER	YES	73287.2		32.47	7.61	40.08	19670	Valve	6458.6	Valve	14085.84	36	0.312	52	0.16	0.05	4.10	1.45	0.2625	335	1029	741	649	0.45	1.14							1250	Unknown		
17935	CLUSTER	YES	73287.54		32.82	7.26	40.08	19670	Valve	6458.94	Valve	14085.49	36	0.312	52	0.19	0.06	2.75	0.66	0.276389	335	1042	750	649	0.45	1.16							1250	Unknown		
17938	CLUSTER	YES	73287.75		33.02	7.06	40.08	19670	Valve	6459.15	Valve	14085.29	36	0.312	52	0.25	0.08	13.97	3.11	6:23	335	905	651	649	0.51	1.08							1250	Unknown		
17942	CLUSTER	YES	73288.05		33.32	6.76	40.08	19670	Valve	6459.45	Valve	14084.99	36	0.312	52	0.19	0.06	17.72	1.38	5:36	335	939	676	649	0.50	1.07							1250	Unknown		
17950	CLUSTER	YES	73289.16		34.43	5.64	40.08	19670	Valve	6460.56	Valve	14083.88	36	0.312	52	0.17	0.05	3.20	1.95	0.266667	335	1039	748	649	0.45	1.16							1250	Unknown		
17954	CLUSTER	YES	73289.69		34.96	5.12	40.08	19670	Valve	6461.09	Valve	14083.35	36	0.312	52	0.15	0.05	29.51	2.58	0.233333	335	959	690	649	0.49	1.07							1250	Unknown		
17970	CLUSTER	YES	73292.53		37.8	2.28	40.08	19670	Valve	6463.93	Valve	14080.51	36	0.312	52	0.22	0.07	18.30	1.13	0.238889	335	916	659	649	0.51	1.07							1250	Unknown		
17983	GirthWeld		73294.81		40.08	38.3	38.3	19680	Valve	6466.21	Valve	14078.23	36	0.312	52					10:51	335			649									1250	Unknown		
17985	CLUSTER	YES	73295.01		0.2	38.1	38.3	19680	Valve	6466.41	Valve	14078.03	36	0.312	52	0.18	0.06	5.42	1.92	6:15	335	1005	724	649	0.46	1.13							1250	Unknown		
17987	CLUSTER	YES	73295.07		0.26	38.04	38.3	19680	Valve	6466.47	Valve	14077.97	36	0.312	52	0.31	0.10	16	3.24	0.239583	335	892	642	649	0.52	1.04							1250	Unknown		
17997	CLUSTER	YES	73295.91		1.1	37.19	38.3	19680	Valve	6467.31	Valve	14077.13	36	0.312	52	0.16	0.05	6.00	4.02	0.23125	335	1008	726	649	0.46	1.13							1250	Unknown		
17999	CLUSTER	YES	73295.92		1.11	37.19	38.3	19680	Valve	6467.32	Valve	14077.12	36	0.312	52	0.2	0.06	9.18	4.81	0.243056	335	962	692	649	0.48	1.08							1250	Unknown		
18012	CLUSTER	YES	73297.89		3.08	35.22	38.3	19680	Valve	6469.29	Valve	14075.15	36	0.312	52	0.17	0.05	6.28	2.36	6:05	335	1001	721	649	0.46	1.12							1250	Unknown		
18017	CLUSTER	YES	73299.09		4.28	34.02	38.3	19680	Valve	6470.49	Valve	14073.95	36	0.312	52	0.19	0.06	3.80	0.57	6:19	335	1024	737	649	0.45	1.14							1250	Unknown		
18020	CLUSTER	YES	73299.34		4.53	33.76	38.3	19680	Valve	6470.74	Valve	14073.7	36	0.312	52	0.15	0.05	5.26	1.89	0.243056	335	1019	734	649	0.46	1.13							1250	Unknown		
18025	CLUSTER	YES	73304.01		9.2	29.1	38.3	19680	Valve	6475.4	Valve	14069.03	36	0.312	52	0.22	0.07	7.76	0.76	0.241667	335	961	692	649	0.48	1.10							1250	Unknown		
18030	CLUSTER	YES	73308.7		13.89	24.41	38.3	19680	Valve	6480.1	Valve	14064.34	36	0.312	52	0.24	0.08	18.96	4.15	0.24375	335	899	647	649	0.52	1.08							1250	Unknown		
18042	CLUSTER	YES	73311.53		16.72	21.58	38.3	19680	Valve	6482.93	Valve	14061.51	36	0.312	52	0.18	0.06	5.57	4.27	6:18	335	1004	723	649	0.46	1.13							1250	Unknown		
18045	MELO-CORR	YES	73313.75		18.94	19.36	38.3	19680	Valve	6485.15	Valve	14059.29	36	0.312	52	0.15	0.05	1.10	0.20	6:03	335	1070	770	649	0.43	1.19							1598	Metal Loss		
18046	AS_Casing		73317.26		22.45	15.85	38.3	19680	Valve	6488.66	Valve	14055.78	36	0.312	52						335			649									1590	Casing		
18047	GirthWeld		73333.11		38.3	37.1	37.1	19690	Valve	6504.51	Valve	14039.93	36	0.312	52					0.504167	335			649									1250	Unknown		
18048	AE_Casing		73366.97		33.86	3.24	37.1	19690	Valve	6538.37	Valve	14006.07	36	0.312	52						335			649									1590	Casing		
18049	GirthWeld		73370.21		37.1	37.13	37.13	19700	Valve	6541.61	Valve	14002.83	36	0.312	52					1:48	335			649									1250	Unknown		
18051	CLUSTER	YES	73370.47		0.26	36.87	37.13	19700	Valve	6541.87	Valve	14002.57	36	0.312	52	0.26	0.08	3.82	3.87	5:52	335	1002	721	649	0.46	1.14							1250	Unknown		
18056	CLUSTER	YES	73377.61		7.4	29.73	37.13	19700	Valve	6549.01	Valve	13995.43	36	0.312	52	0.21	0.07	5.38	1.38	0.25625	335	993	715	649	0.47	1.13							1250	Unknown		
18060	CLUSTER	YES	73378.16		7.95	29.18	37.13	19700	Valve	6549.56	Valve	13994.88	36	0.312	52	0.3	0.09	34.32	6.16	0.238889	335	833	599	649	0.56	1.05							1250	Unknown		
18077	MELO-CORR	YES	73379.72		9.51	27.62	37.13	19700	Valve	6551.12	Valve	13993.32	36	0.312	52	0.15	0.05	0.87	0.59	0.243056	335	1072	772	649	0.43	1.19							1598	Metal Loss		
18092	CLUSTER	YES	73382.02		11.81	25.31	37.13	19700	Valve	6553.42	Valve	13991.02	36	0.312	52	0.25	0.08	60.52	7.67	5:35	335	860	619	649	0.54	1.04							1250	Unknown		
18133	CLUSTER	YES	73387.19		16.98	20.15	37.13	19700	Valve	6558.59	Valve	13985.85	36	0.312	52	0.23	0.07	20.35	5.06	6:00	335	905	651	649	0.51	1.07							1250	Unknown		
18145	GirthWeld		73407.34		37.13	39.79	39.8	19710	Valve	6578.74	Valve	13965.7	36	0.312	52					0.405556	335			649									1250	Unknown		
18147	CLUSTER	YES	73408.42		1.08	38.72	39.8	19710	Valve	6579.82	Valve	13964.62	36	0.312	52	0.17	0.05	4.30	0.47	0.272917	335	1023	737	649	0.45	1.14							1250	Unknown		
18149	GirthWeld		73447.13		39.79	39.96	39.95	19720	Valve	6618.53	Valve	13925.91	36	0.312	52					0.461111	335			649									1250	Unknown		
18150	GirthWeld		73487.09		39.96	40.01	40.02	19730	Valve	6658.49	Valve	13885.95	36	0.312	52					12:54	335			649									1250	Unknown		
18151	MELO-CORR	YES	73523.36		36.27	3.74	40.02	19730	Valve	6694.76	Valve	13849.68	36	0.312	52	0.16	0.05	1.22	0.43	5:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
18152	GirthWeld		73527.1		40.01	30.36	30.36	19740	Valve	6698.5	Valve	13845.93	36	0.312	52					0.486111	335			649									1250	Unknown		
18153	GirthWeld		73557.46		30.36	39.8	39.79	19750	Valve	6728.86	Valve	13815.58	36	0.312	52					0.3875	335			649									1250	Unknown		
18154	MELO-CORR	YES	73595.01		37.55	2.25	39.79	19750	Valve	6766.41	Valve	13778.03	36	0.312	52	0.19	0.06	1.10	0.16	0.240278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
18155	GirthWeld		73597.26		39.8	39.83	39.83	19760	Valve	6768.66	Valve	13775.78	36	0.312	52					10:28	335			649									1250	Unknown		
18157	CLUSTER	YES	73612.39		15.13	24.69	39.83	19760	Valve	6783.79	Valve	13760.65	36	0.312	52	0.19	0.06	14.48	3.87	5:47	335	946	681	649	0.49	1.08							1250	Unknown		
18167	CLUSTER	YES	73613.07		15.81	24.02	39.83	19760	Valve	6784.47	Valve	13759.97	36	0.312	52	0.27	0.08	56.50	3.43	0.25625	335	844	607	649	0.55	1.04							1250	Unknown		
18178	CLUSTER	YES	73613.71		16.45	23.38	39.83	19760	Valve	6785.11	Valve	13759.33	36	0.312	52	0.15	0.05	16.22	1.60	0.240972	335	971	699	649	0.48	1.09							1250	Unknown		
18201	CLUSTER	YES	73616.24		18.98	20.85	39.83	19760	Valve	6787.64	Valve	13756.8	36	0.312	52	0.23	0.07	8.92	0.69	0.241667	335	945	681	649	0.49	1.10							1250	Unknown		
18217	CLUSTER	YES	73617.93		20.67	19.16	39.83	19760	Valve	6789.33	Valve	13755.11	36	0.312	52	0.16	0.05	10.06	2.23	6:08	335	981	707	649	0.47	1.10							1250	Unknown		
18222	CLUSTER	YES	73618.47		21.21	18.62	39.83	19760	Valve	6789.87	Valve	13754.57	36	0.312	52	0.15	0.05	23.63	1.57	5:44	335	963	693	649	0.48	1.08							1250	Unknown		
18227	MELO-CORR	YES	73619.23		21.97	17.86	39.83	19760	Valve	6790.63	Valve	13753.81	36	0.312	52	0.15	0.05	4.49	0.98	0.263889	335	1028	740	649	0.45	1.14							1598	Metal Loss		
18233	CLUSTER	YES	73621.33		24.07	15.76	39.83	19760	Valve	6792.73	Valve	13751.71	36	0.312	52	0.16	0.05	6.60	3.46	0.258333	335	1003	722	649	0.46	1.13							1250	Unknown		
18238	CLUSTER	YES	73622.32		25.06	14.77	39.83	19760	Valve	6793.71	Valve	13750.72	36	0.312	52	0.15	0.05	5.66	1.86	0.2375	335	1016	731	649	0.46	1.13							1250	Unknown		
18244	CLUSTER	YES	73624.33		27.07	12.76	39.83	19760	Valve	6795.73	Valve	13748.71	36	0.312	52	0.26	0.08	5.74	1.16	6:11	335	964	694	649	0.48	1.10							1250	Unknown		
18250	CLUSTER	YES	73626.3		29.04	10.79	39.83	19760	Valve	6797.7	Valve	13746.74	36	0.312	52	0.18	0.06	32.74	6.38	5:45	335	933	672	649	0.50	1.07							1250	Unknown		
18274	CLUSTER	YES	73634.83		37.57	2.25	39.83	19760	Valve	6806.23	Valve	13738.21	36	0.312	52	0.19	0.06	7.94	3.58	0.248611	335	976	703	649	0.48	1.11							1250	Unknown		
18282	GirthWeld		73637.09		39.83	39.35	39.36	19770	Valve	6808.49	Valve	13735.95	36	0.312	52					0.115278	335			649									1250	Unknown		
18284	CLUSTER	YES	73638.04		0.95	38.4	39.36	19770	Valve	6809.44	Valve	13735	36	0.312	52	0.16	0.05	22.57	6.41	0.238194	335	956	688	649	0.49	1.08							1250	Unknown		
18299	CLUSTER	YES	73640.18		3.09	36.27	39.36	19770	Valve	6811.58	Valve	13732.86	36	0.312	52	0.15	0.05	9.78	2.33	5:46	335	989	712	649	0.47	1.10							1250	Unknown		
18306	CLUSTER	YES	73640.66		3.57	35.78	39.36	19770	Valve	6812.06	Valve	13732.38	36	0.312	52	0.24	0.08	17.95	7.01	5:39	335	901	649	649	0.52	1.07							1250	Unknown		
18330	CLUSTER	YES	73646.89		9.8	29.55	39.36	19770	Valve	6818.29	Valve	13726.15	36	0.312	52	0.15	0.05	5.28	3.52	0.246528	335	1019	734	649	0.46	1.13							1250	Unknown		
18337	CLUSTER	YES	73647.46		10.37	28.98	39.36	19770	Valve	6818.86	Valve	13725.58	36	0.312	52	0.26	0.08	4.88	0.60	0.242361	335	979	705	649	0.48	1.13							1250	Unknown		
18340	CLUSTER	YES	73653.34		16.25	23.1	39.36	19770	Valve	6824.74	Valve	13719.7	36	0.312	52	0.15	0.05	5.34	1.10	0.238889	335	1019	733	649	0.46	1.13							1250	Unknown		
18344	CLUSTER	YES	73653.9		16.81	22.54	39.36	19770	Valve	6825.3	Valve	13719.14	36	0.312	52	0.19	0.06	3.12	2.39	5:53	335	1036	746	649	0.45	1.16							1250	Unknown		
18349	CLUSTER	YES	73659.98		22.89	16.46	39.36	19770	Valve	6831.38	Valve	13713.06	36	0.312	52	0.16	0.05	5.71	0.60	6:14	335	1011	728	649	0.46	1.13							1250	Unknown		
18352	GirthWeld		73676.44		39.35	39.76	39.76	19780	Valve	6847.84	Valve	13696.6	36	0.312	52					0.090278	335			649									1250	Unknown		
18353	GirthWeld		73716.2		39.76	38.33	38.32	19790	Valve	6887.6	Valve	13656.84	36	0.312	52					0.461111	335			649									1250	Unknown		
18354	GirthWeld		73754.53		38.33	39.78	39.78	19800	Valve	6925.93	Valve	13618.51	36	0.312	52					0.426389	335			649									1250	Unknown		
18355	GirthWeld		73794.31		39.78	39.8	39.8	19810	Valve	6965.71	Valve	13578.73	36	0.312	52					12:44	335			649									1250	Unknown		
18356	GirthWeld		73834.11		39.8	39.76	39.76	19820	Valve	7005.51	Valve	13538.93	36	0.312	52					1:44	335			649									1250	Unknown		
18357	GirthWeld		73873.87		39.76	39.9	39.89	19830	Valve	7045.27	Valve	13499.17	36	0.312	52					0.445833	335			649									1250	Unknown		
18358	GirthWeld		73913.77		39.9	39.77	39.78	19840	Valve	7085.17	Valve	13459.27	36	0.312	52					0.484722	335			649									1250	Unknown		
18359	GirthWeld		73953.54		39.77	39.84	39.84	19850	Valve	7124.94	Valve	13419.49	36	0.312	52					0.054167	335			649									1250	Unknown		
18360	GirthWeld		73993.38		39.84	39.21	39.21	19860	Valve	7164.78	Valve	13379.66	36	0.312	52					2:34	335			649									1250	Unknown		
18361	GirthWeld		74032.59		39.21	39.58	39.58	19870	Valve	7203.99	Valve	13340.45	36	0.312	52					12:22	335			649									1250	Unknown		
18362	GirthWeld		74072.17		39.58	38.82	38.82	19880	Valve	7243.57	Valve	13300.87	36	0.312	52					0.481944	335			649									1250	Unknown		
18363	GirthWeld		74110.99		38.82	36.71	36.72	19890	Valve	7282.39	Valve	13262.05	36	0.312	52					0.509722	335			649									1250	Unknown		
18364	GirthWeld		74147.7		36.71	27.23	27.22	19900	Valve	7319.1	Valve	13225.34	36	0.312	52					0.458333	335			649									1250	Unknown		
18365	GirthWeld		74174.93		27.23	28.3	28.31	19910	Valve	7346.33	Valve	13198.11	36	0.312	52					10:30	335			649									1250	Unknown		
18366	GirthWeld		74203.23		28.3	11	11	19920	Valve	7374.63	Valve	13169.81	36	0.312	52					10:46	335			649									1250	Unknown		
18367	MELO-CORR	YES	74207.19		3.96	7.04	11	19920	Valve	7378.59	Valve	13165.85	36	0.312	52	0.16	0.05	1.10	0.20	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18368	MELO-CORR	YES	74209.05		5.82	5.18	11	19920	Valve	7380.45	Valve	13163.99	36	0.312	52	0.15	0.05	1.14	0.43	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18369	GirthWeld		74214.23		11	39.9	39.9	19930	Valve	7385.63	Valve	13158.81	36	0.312	52					0.430556	335			649									1250	Unknown		
18370	MELO-CORR	YES	74217.76		3.53	36.37	39.9	19930	Valve	7389.16	Valve	13155.28	36	0.312	52	0.18	0.06	1.10	0.20	5:40	335	1068	769	649	0.44	1.19							1598	Metal Loss		
18372	CLUSTER	YES	74222.25		8.02	31.88	39.9	19930	Valve	7393.65	Valve	13150.79	36	0.312	52	0.16	0.05	14.42	7.76	5:51	335	967	697	649	0.48	1.09							1250	Unknown		
18385	CLUSTER	YES	74231.83		17.6	22.3	39.9	19930	Valve	7403.23	Valve	13141.21	36	0.312	52	0.18	0.06	4.32	0.69	0.254167	335	1020	734	649	0.46	1.14							1250	Unknown		
18389	CLUSTER	YES	74232.39		18.16	21.74	39.9	19930	Valve	7403.79	Valve	13140.65	36	0.312	52	0.16	0.05	35.36	10.87	0.228472	335	947	682	649	0.49	1.07							1250	Unknown		
18429	CLUSTER	YES	74237.77		23.54	16.36	39.9	19930	Valve	7409.17	Valve	13135.27	36	0.312	52	0.15	0.05	10.40	2.01	0.259722	335	986	710	649	0.47	1.09							1250	Unknown		
18430	MELO-CORR	YES	74237.86		23.63	16.26	39.9	19930	Valve	7409.26	Valve	13135.18	36	0.312	52	0.25	0.08	1.14	0.20	6:47	335	1065	767	649	0.44	1.18							1598	Metal Loss		
18437	CLUSTER	YES	74239.58		25.35	14.55	39.9	19930	Valve	7410.98	Valve	13133.46	36	0.312	52	0.23	0.07	37.75	5.59	6:15	335	888	640	649	0.52	1.06							1250	Unknown		
18441	MELO-CORR	YES	74239.88		25.65	14.25	39.9	19930	Valve	7411.28	Valve	13133.16	36	0.312	52	0.21	0.07	1.14	0.20	0.241667	335	1067	768	649	0.44	1.18							1598	Metal Loss		
18474	CLUSTER	YES	74244.36		30.13	9.77	39.9	19930	Valve	7415.76	Valve	13128.68	36	0.312	52	0.19	0.06	22.98	5.28	0.240972	335	933	671	649	0.50	1.07							1250	Unknown		
18487	CLUSTER	YES	74247.9		33.67	6.23	39.9	19930	Valve	7419.3	Valve	13125.14	36	0.312	52	0.15	0.05	5.86	0.94	0.274306	335	1014	730	649	0.46	1.13							1250	Unknown		
18490	CLUSTER	YES	74249.62		35.39	4.51	39.9	19930	Valve	7421.02	Valve	13123.42	36	0.312	52	0.16	0.05	4.40	0.57	5:55	335	1025	738	649	0.45	1.15							1250	Unknown		
18493	CLUSTER	YES	74252.6		38.37	1.53	39.9	19930	Valve	7424	Valve	13120.44	36	0.312	52	0.19	0.06	5.60	2.80	6:12	335	999	719	649	0.47	1.13							1250	Unknown		
18495	GirthWeld		74254.13		39.9	39.88	39.88	19940	Valve	7425.53	Valve	13118.91	36	0.312	52					0.123611	335			649									1250	Unknown		
18497	CLUSTER	YES	74257.35		3.22	36.66	39.88	19940	Valve	7428.75	Valve	13115.69	36	0.312	52	0.15	0.05	3.90	1.48	0.242361	335	1035	745	649	0.45	1.15							1250	Unknown		
18500	CLUSTER	YES	74258.23		4.1	35.78	39.88	19940	Valve	7429.63	Valve	13114.81	36	0.312	52	0.15	0.05	4.57	0.72	0.246528	335	1027	739	649	0.45	1.14							1250	Unknown		
18503	CLUSTER	YES	74258.46		4.32	35.55	39.88	19940	Valve	7429.85	Valve	13114.58	36	0.312	52	0.24	0.08	6.06	2.64	6:13	335	969	698	649	0.48	1.11							1250	Unknown		
18508	CLUSTER	YES	74259.72		5.59	34.29	39.88	19940	Valve	7431.12	Valve	13113.32	36	0.312	52	0.17	0.05	6.34	2.17	5:47	335	1000	720	649	0.47	1.12							1250	Unknown		
18514	CLUSTER	YES	74260.4		6.27	33.61	39.88	19940	Valve	7431.8	Valve	13112.64	36	0.312	52	0.19	0.06	5.62	2.42	0.240278	335	998	719	649	0.47	1.13							1250	Unknown		
18519	MELO-CORR	YES	74262		7.87	32.01	39.88	19940	Valve	7433.4	Valve	13111.04	36	0.312	52	0.16	0.05	1.22	0.20	0.281944	335	1068	769	649	0.44	1.19

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
18627	CLUSTER	YES	74275.75		21.62	18.26	39.88	19940	Valve	7447.15	Valve	13097.29	36	0.312	52	0.26	0.08	11.27	1.92	4:20	335	910	655	649	0.51	1.03							1250	Unknown		
18634	MELO-CORR	YES	74276.31		22.18	17.7	39.88	19940	Valve	7447.71	Valve	13096.73	36	0.312	52	0.15	0.05	1.22	0.16	5:46	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18639	CLUSTER	YES	74276.51		22.38	17.5	39.88	19940	Valve	7447.91	Valve	13096.53	36	0.312	52	0.38	0.12	10.58	3.36	0.236806	335	829	597	649	0.56	1.07							1250	Unknown		
18645	CLUSTER	YES	74276.87		22.74	17.14	39.88	19940	Valve	7448.27	Valve	13096.17	36	0.312	52	0.15	0.05	10.64	1.73	0.259028	335	985	709	649	0.47	1.11							1250	Unknown		
18656	CLUSTER	YES	74278.08		23.95	15.93	39.88	19940	Valve	7449.48	Valve	13094.96	36	0.312	52	0.32	0.10	11.00	1.60	0.2375	335	869	626	649	0.54	1.03							1250	Unknown		
18659	CLUSTER	YES	74278.21		24.08	15.79	39.88	19940	Valve	7449.61	Valve	13094.82	36	0.312	52	0.19	0.06	3.00	0.57	6:16	335	1038	747	649	0.45	1.16							1250	Unknown		
18668	MELO-CORR	YES	74279.82		25.69	14.19	39.88	19940	Valve	7451.22	Valve	13093.22	36	0.312	52	0.17	0.05	1.34	0.79	6:12	335	1066	768	649	0.44	1.18							1598	Metal Loss		
18670	CLUSTER	YES	74280.45		26.32	13.56	39.88	19940	Valve	7451.85	Valve	13092.59	36	0.312	52	0.3	0.09	11.22	1.13	0.236806	335	882	635	649	0.53	1.01							1250	Unknown		
18677	CLUSTER	YES	74281.03		26.9	12.98	39.88	19940	Valve	7452.43	Valve	13092.01	36	0.312	52	0.15	0.05	7.94	1.73	0.270139	335	998	719	649	0.47	1.11							1250	Unknown		
18682	MELO-CORR	YES	74281.22		27.09	12.79	39.88	19940	Valve	7452.62	Valve	13091.82	36	0.312	52	0.15	0.05	1.18	0.20	0.181944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18688	MELO-CORR	YES	74281.86		27.73	12.15	39.88	19940	Valve	7453.26	Valve	13091.18	36	0.312	52	0.2	0.06	0.94	0.16	6:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18690	CLUSTER	YES	74281.88		27.75	12.13	39.88	19940	Valve	7453.28	Valve	13091.16	36	0.312	52	0.22	0.07	2.92	0.72	6:41	335	1033	744	649	0.45	1.16							1250	Unknown		
18693	CLUSTER	YES	74282.45		28.32	11.55	39.88	19940	Valve	7453.85	Valve	13090.59	36	0.312	52	0.15	0.05	8.12	3.33	0.261806	335	997	718	649	0.47	1.11							1250	Unknown		
18697	CLUSTER	YES	74282.78		28.65	11.23	39.88	19940	Valve	7454.18	Valve	13090.26	36	0.312	52	0.29	0.09	11.98	3.24	0.227083	335	885	637	649	0.53	1.03							1250	Unknown		
18703	MELO-CORR	YES	74283.26		29.13	10.75	39.88	19940	Valve	7454.66	Valve	13089.78	36	0.312	52	0.15	0.05	1.22	0.39	0.224306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18709	CLUSTER	YES	74284.86		30.73	9.15	39.88	19940	Valve	7456.26	Valve	13088.18	36	0.312	52	0.17	0.05	10.90	1.32	5:40	335	971	699	649	0.48	1.10							1250	Unknown		
18713	CLUSTER	YES	74285.17		31.04	8.84	39.88	19940	Valve	7456.57	Valve	13087.87	36	0.312	52	0.2	0.06	3.08	0.60	6:22	335	1034	745	649	0.45	1.16							1250	Unknown		
18719	CLUSTER	YES	74287.27		33.14	6.74	39.88	19940	Valve	7458.67	Valve	13085.77	36	0.312	52	0.15	0.05	1.85	0.85	0.261806	335	1062	764	649	0.44	1.18							1250	Unknown		
18722	CLUSTER	YES	74287.77		33.64	6.24	39.88	19940	Valve	7459.17	Valve	13085.27	36	0.312	52	0.15	0.05	9.18	1.45	0.263889	335	992	714	649	0.47	1.11							1250	Unknown		
18726	MELO-CORR	YES	74288.7		34.57	5.31	39.88	19940	Valve	7460.1	Valve	13084.34	36	0.312	52	0.17	0.05	1.50	0.79	0.258333	335	1064	766	649	0.44	1.18							1598	Metal Loss		
18728	CLUSTER	YES	74289.37		35.24	4.64	39.88	19940	Valve	7460.77	Valve	13083.67	36	0.312	52	0.2	0.06	6.46	0.82	5:44	335	984	709	649	0.47	1.11							1250	Unknown		
18734	CLUSTER	YES	74292.01		37.88	2	39.88	19940	Valve	7463.41	Valve	13081.03	36	0.312	52	0.16	0.05	7.00	0.97	5:48	335	999	720	649	0.47	1.10							1250	Unknown		
18740	MELO-CORR	YES	74292.91		38.78	1.1	39.88	19940	Valve	7464.31	Valve	13080.13	36	0.312	52	0.15	0.05	1.10	0.16	0.241667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
18741	GirthWeld		74294.01		39.88	29.04	29.04	19950	Valve	7465.41	Valve	13079.03	36	0.312	52					0.077778	335			649									1250	Unknown		
18742	MELO-CORR	YES	74297.86		3.85	25.19	29.04	19950	Valve	7469.26	Valve	13075.18	36	0.312	52	0.15	0.05	1.22	0.16	0.285417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18743	GirthWeld		74323.05		29.04	39.69	39.69	19960	Valve	7494.45	Valve	13049.99	36	0.312	52					10:04	335			649									1250	Unknown		
18744	GirthWeld		74362.74		39.69	39.71	39.71	19970	Valve	7534.14	Valve	13010.3	36	0.312	52					8:44	335			649									1250	Unknown		
18745	GirthWeld		74402.45		39.71	39.81	39.81	19980	Valve	7573.85	Valve	12970.59	36	0.312	52					0.340278	335			649									1250	Unknown		
18746	GirthWeld		74442.26		39.81	39.72	39.72	19990	Valve	7613.66	Valve	12930.78	36	0.312	52					0.317361	335			649									1250	Unknown		
18747	GirthWeld		74481.98		39.72	39.82	39.82	20000	Valve	7653.38	Valve	12891.06	36	0.312	52					0.211111	335			649									1250	Unknown		
18748	GirthWeld		74521.8		39.82	39.11	39.11	20010	Valve	7693.2	Valve	12851.24	36	0.312	52					5:45	335			649									1250	Unknown		
18749	GirthWeld		74560.91		39.11	39.65	39.65	20020	Valve	7732.31	Valve	12812.13	36	0.312	52					10:12	335			649									1250	Unknown		
18750	GirthWeld		74600.56		39.65	39.86	39.86	20030	Valve	7771.96	Valve	12772.48	36	0.312	52					0.384722	335			649									1250	Unknown		
18752	CLUSTER	YES	74620.16		19.6	20.26	39.86	20030	Valve	7791.56	Valve	12752.88	36	0.312	52	0.18	0.06	2.87	0.88	0.259722	335	1042	750	649	0.45	1.16							1250	Unknown		
18755	CLUSTER	YES	74625.76		25.2	14.66	39.86	20030	Valve	7797.16	Valve	12747.28	36	0.312	52	0.16	0.05	1.51	1.48	0.260417	335	1065	767	649	0.44	1.18							1250	Unknown		
18758	CLUSTER	YES	74627.06		26.5	13.37	39.86	20030	Valve	7798.46	Valve	12745.98	36	0.312	52	0.16	0.05	13.60	5.63	5:41	335	969	698	649	0.48	1.10							1250	Unknown		
18772	CLUSTER	YES	74635.12		34.56	5.3	39.86	20030	Valve	7806.52	Valve	12737.92	36	0.312	52	0.16	0.05	9.20	0.72	6:15	335	985	710	649	0.47	1.10							1250	Unknown		
18775	MELO-CORR	YES	74636.39		35.83	4.03	39.86	20030	Valve	7807.79	Valve	12736.65	36	0.312	52	0.15	0.05	1.34	0.43	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
18776	MELO-CORR	YES	74637.35		36.79	3.07	39.86	20030	Valve	7808.75	Valve	12735.69	36	0.312	52	0.15	0.05	1.22	0.55	0.242361	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18778	CLUSTER	YES	74638.04		37.48	2.39	39.86	20030	Valve	7809.43	Valve	12735	36	0.312	52	0.19	0.06	5.80	0.47	0.259028	335	997	718	649	0.47	1.11							1250	Unknown		
18782	CLUSTER	YES	74639.47		38.91	0.96	39.86	20030	Valve	7810.87	Valve	12733.57	36	0.312	52	0.23	0.07	4.46	0.57	6:15	335	1000	720	649	0.47	1.12							1250	Unknown		
18785	GirthWeld		74640.42		39.86	30.98	30.97	20040	Valve	7811.82	Valve	12732.62	36	0.312	52					1:38	335			649									1250	Unknown		
18787	CLUSTER	YES	74648.07		7.65	23.33	30.97	20040	Valve	7819.46	Valve	12724.97	36	0.312	52	0.17	0.05	6.42	0.41	0.236111	335	999	720	649	0.47	1.13							1250	Unknown		
18790	CLUSTER	YES	74649.4		8.98	21.99	30.97	20040	Valve	7820.8	Valve	12723.64	36	0.312	52	0.24	0.08	2.28	0.63	0.238889	335	1043	751	649	0.45	1.17							1250	Unknown		
18793	CLUSTER	YES	74649.83		9.41	21.57	30.97	20040	Valve	7821.23	Valve	12723.21	36	0.312	52	0.15	0.05	5.23	1.98	0.256944	335	1020	734	649	0.46	1.14							1250	Unknown		
18796	MELO-CORR	YES	74653.62		13.2	17.77	30.97	20040	Valve	7825.02	Valve	12719.42	36	0.312	52	0.18	0.06	1.10	0.20	5:35	335	1068	769	649	0.44	1.19							1598	Metal Loss		
18797	MELO-CORR	YES	74659.08		18.66	12.31	30.97	20040	Valve	7830.48	Valve	12713.96	36	0.312	52	0.2	0.06	1.10	0.67	5:33	335	1068	769	649	0.44	1.18							1598	Metal Loss		
18798	MELO-CORR	YES	74659.66		19.24	11.74	30.97	20040	Valve	7831.06	Valve	12713.38	36	0.312	52	0.17	0.05	0.94	0.59	0.233333	335	1070	771	649	0.43	1.19							1598	Metal Loss		
18799	MELO-CORR	YES	74660.15		19.73	11.25	30.97	20040	Valve	7831.55	Valve	12712.89	36	0.312	52	0.15	0.05	0.98	0.20	0.204167	335	1071	771	649	0.43	1.19							1598	Metal Loss		
18800	MELO-CORR	YES	74660.65		20.23	10.74	30.97	20040	Valve	7832.05	Valve	12712.39	36	0.312	52	0.15	0.05	2.48	0.43	0.23125	335	1054	759	649	0.44	1.17							1598	Metal Loss		
18802	CLUSTER	YES	74663.12		22.7	8.28	30.97	20040	Valve	7834.52	Valve	12709.92	36	0.312	52	0.18	0.06	4.33	0.79	6:12	335	1020	734	649	0.46	1.14							1250	Unknown		
18806	CLUSTER	YES	74664.58		24.16	6.81	30.97	20040	Valve	7835.98	Valve	12708.46	36	0.312	52	0.15	0.05	13.96	3.61	5:19	335	975	702	649	0.48	1.09							1250	Unknown		
18815	CLUSTER	YES	74666.45		26.03	4.94	30.97	20040	Valve	7837.85	Valve	12706.59	36	0.312	52	0.16	0.05	28.52	6.22	0.215278	335	952	685	649	0.49	1.08							1250	Unknown		
18818	MELO-CORR	YES	74666.61		26.19	4.79	30.97	20040	Valve	7838.01	Valve	12706.43	36	0.312	52	0.18	0.06	1.10	0.20	0.196528	335	1068	769	649	0.44	1.19							1598	Metal Loss		
18839	CLUSTER	YES	74669.32		28.9	2.08	30.97	20040	Valve	7840.72	Valve	12703.72	36	0.312	52	0.16	0.05	5.48	0.82	0.222917	335	1013	730	649	0.46	1.13							1250	Unknown		
18841	MELO-CORR	YES	74669.6		29.18	1.8	30.97	20040	Valve	7841	Valve	12703.44	36	0.312	52	0.17	0.05	1.10	0.32	5:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18843	CLUSTER	YES	74669.96		29.54	1.44	30.97	20040	Valve	7841.36	Valve	12703.08	36	0.312	52	0.25	0.08	9.26	6.10	5:34	335	930	670	649	0.50	1.10							1250	Unknown		
18850	GirthWeld		74671.4		30.98	39.94	39.94	20050	Valve	7842.8	Valve	12701.64	36	0.312	52					0.054861	335			649									1250	Unknown		
18852	CLUSTER	YES	74674.52		3.12	36.82	39.94	20050	Valve	7845.92	Valve	12698.52	36	0.312	52	0.16	0.05	3.79	2.26	0.249306	335	1034	744	649	0.45	1.15							1250	Unknown		
18855	MELO-CORR	YES	74681.63		10.23	29.71	39.94	20050	Valve	7853.03	Valve	12691.41	36	0.312	52	0.16	0.05	1.18	0.20	0.221528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18856	MELO-CORR	YES	74688.74		17.34	22.6	39.94	20050	Valve	7860.14	Valve	12684.3	36	0.312	52	0.15	0.05	1.10	0.16	6:08	335	1070	770	649	0.43	1.19							1598	Metal Loss		
18858	CLUSTER	YES	74689.6		18.2	21.74	39.94	20050	Valve	7861	Valve	12683.44	36	0.312	52	0.19	0.06	6.65	2.39	5:55	335	987	711	649	0.47	1.11							1250	Unknown		
18866	CLUSTER	YES	74691.36		19.96	19.98	39.94	20050	Valve	7862.76	Valve	12681.68	36	0.312	52	0.16	0.05	9.77	4.21	0.247222	335	983	708	649	0.47	1.11							1250	Unknown		
18874	CLUSTER	YES	74692.48		21.08	18.86	39.94	20050	Valve	7863.88	Valve	12680.56	36	0.312	52	0.22	0.07	69.92	4.87	0.254167	335	883	636	649	0.53	1.05							1250	Unknown		
18886	CLUSTER	YES	74694.5		23.1	16.84	39.94	20050	Valve	7865.9	Valve	12678.54	36	0.312	52	0.17	0.05	6.31	1.70	0.229167	335	1001	720	649	0.47	1.12							1250	Unknown		
18900	MELO-CORR	YES	74696.34		24.94	15	39.94	20050	Valve	7867.74	Valve	12676.7	36	0.312	52	0.16	0.05	2.40	0.16	5:37	335	1053	758	649	0.44	1.17							1598	Metal Loss		
18907	CLUSTER	YES	74697.18		25.78	14.16	39.94	20050	Valve	7868.58	Valve	12675.86	36	0.312	52	0.19	0.06	15.55	2.83	5:33	335	943	679	649	0.49	1.07							1250	Unknown		
18925	CLUSTER	YES	74701.93		30.54	9.4	39.94	20050	Valve	7873.33	Valve	12671.1	36	0.312	52	0.19	0.06	5.65	0.76	0.254861	335	998	719	649	0.47	1.11							1250	Unknown		
18929	CLUSTER	YES	74704.01		32.61	7.33	39.94	20050	Valve	7875.4	Valve	12669.03	36	0.312	52	0.16	0.05	2.04	0.50	0.25625	335	1058	762	649	0.44	1.18							1250	Unknown		
18932	CLUSTER	YES	74706.9		35.5	4.44	39.94	20050	Valve	7878.3	Valve	12666.14	36	0.312	52	0.26	0.08	7.75	1.23	0.256944	335	938	675	649	0.50	1.09							1250	Unknown		
18936	MELO-CORR	YES	74708.51		37.11	2.83	39.94	20050	Valve	7879.91	Valve	12664.53	36	0.312	52	0.16	0.05	1.18	0.16	5:48	335	1069	769	649	0.44	1.19							1598	Metal Loss		
18938	CLUSTER	YES	74709.64		38.24	1.7	39.94	20050	Valve	7881.04	Valve	12663.4	36	0.312	52	0.26	0.08	3.43	0.79	5:44	335	1011	728	649	0.46	1.14							1250	Unknown		
18940	GirthWeld		74711.34		39.94	39.33	39.33	20060	Valve	7882.74	Valve	12661.7	36	0.312	52					0.395833	335			649									1250	Unknown		
18941	GirthWeld		74750.67		39.33	39.67	39.67	20070	Valve	7922.07	Valve	12622.37	36	0.312	52					0.375	335			649									1250	Unknown		
18942	GirthWeld		74790.34		39.67	39.84	39.85	20080	Valve	7961.74	Valve	12582.7	36	0.312	52					0.059722	335			649									1250	Unknown		
18943	GirthWeld		74830.18		39.85	39.85	39.84	20090	Valve	8001.58	Valve	12542.85	36	0.312	52					12:56	335			649									1250	Unknown		
18944	GirthWeld		74870.03		39.85	39.04	39.04	20100	Valve	8041.43	Valve	12503.01	36	0.312	52					10:26	335			649									1250	Unknown		
18945	GirthWeld		74909.07		39.04	39.8	39.8	20110	Valve	8080.47	Valve	12463.97	36	0.312	52					0.488889	335			649									1250	Unknown		
18946	GirthWeld		74948.87		39.8	39.45	39.45	20120	Valve	8120.27	Valve	12424.17	36	0.312	52					0.111111	335			649									1250	Unknown		
18947	GirthWeld		74988.32		39.45	39.74	39.74	20130	Valve	8159.72	Valve	12384.72	36	0.312	52					0.077778	335			649									1250	Unknown		
18948	GirthWeld		75028.06		39.74	40.05	40.05	20140	Valve	8199.46	Valve	12344.98	36	0.312	52					9:18	335			649									1250	Unknown		
18950	CLUSTER	YES	75044.64		16.58	23.47	40.05	20140	Valve	8216.04	Valve	12328.4	36	0.312	52	0.21	0.07	2.16	1.20	5:39	335	1050	756	649	0.44	1.17							1250	Unknown		
18954	CLUSTER	YES	75045.78		17.72	22.34	40.05	20140	Valve	8217.18	Valve	12327.26	36	0.312	52	0.15	0.05	6.25	5.72	0.217361	335	1010	727	649	0.46	1.13							1250	Unknown		
18960	CLUSTER	YES	75047.43		19.37	20.68	40.05	20140	Valve	8218.83	Valve	12325.61	36	0.312	52	0.19	0.06	8.20	5.50	0.217361	335	974	702	649	0.48	1.11							1250	Unknown		
18970	CLUSTER	YES	75048.66		20.6	19.45	40.05	20140	Valve	8220.06	Valve	12324.38	36	0.312	52	0.17	0.05	7.08	0.94	0.215278	335	994	715	649	0.47	1.12							1250	Unknown		
18975	CLUSTER	YES	75049.87		21.81	18.24	40.05	20140	Valve	8221.27	Valve	12323.17	36	0.312	52	0.2	0.06	28.72	3.65	4:38	335	920	662	649	0.51	1.08							1250	Unknown		
18987	MELO-CORR	YES	75052.2		24.14	15.91	40.05	20140	Valve	8223.6	Valve	12320.84	36	0.312	52	0.15	0.05	1.18	0.20	5:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
18988	MELO-CORR	YES	75053.52		25.46	14.59	40.05	20140	Valve	8224.92	Valve	12319.52	36	0.312	52	0.2	0.06	1.14	0.16	0.279861	335	1067	768	649	0.44	1.18							1598	Metal Loss		
18990	CLUSTER	YES	75056.32		28.26	11.79	40.05	20140	Valve	8227.72	Valve	12316.72	36	0.312	52	0.18	0.06	8.38	2.14	0.230556	335	979	705	649	0.48	1.11							1250	Unknown		
18995	CLUSTER	YES	75059.05		30.99	9.06	40.05	20140	Valve	8230.45	Valve	12313.99	36	0.312	52	0.16	0.05	21.19	3.33	0.261806	335	957	689	649	0.49	1.07							1250	Unknown		
19012	CLUSTER	YES	75064.63		36.57	3.48	40.05	20140	Valve	8236.03	Valve	12308.4	36	0.312	52	0.21	0.07	9.78	1.07	5:48	335	952	685	649	0.49	1.09							1250	Unknown		
19016	CLUSTER	YES	75064.93		36.87	3.18	40.05	20140	Valve	8236.33	Valve	12308.11	36	0.312	52	0.15	0.05	5.12	0.72	6:13	335	1021	735	649	0.46	1.14							1250	Unknown		
19020	GirthWeld		75068.11		40.05	40.08	40.08	20150	Valve	8239.51	Valve	12304.93	36	0.312	52					0.423611	335			649									1250	Unknown		
19022	CLUSTER	YES	75069.84		1.73	38.35	40.08	20150	Valve	8241.24	Valve	12303.2	36	0.312	52	0.21	0.07	10.25	1.79	0.261111	335	949	683	649	0.49	1.09							1250	Unknown		
19030	CLUSTER	YES	75080.66		12.55	27.53	40.08	20150	Valve	8252.06	Valve	12292.38	36	0.312	52	0.2	0.06	11.48	1.13	0.244444	335	949	684	649	0.49	1.10							1250	Unknown		
19035	CLUSTER	YES	75081.45		13.34	26.74	40.08	20150	Valve	8252.85	Valve	12291.59	36	0.312	52	0.18	0.06	17.03	1.64	6:15	335	948	682	649	0.49	1.08							1250	Unknown		
19043	MELO-CORR	YES	75093.9		25.79	14.3	40.08	20150	Valve	8265.29	Valve	12279.14	36	0.312	52	0.16	0.05	1.18	0.20	5:52	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19044	MELO-CORR	YES	75094.2		26.09	13.99	40.08	20150	Valve	8265.6	Valve	12278.84	36	0.312	52	0.17	0.05	1.18	0.39	0.268056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19046	CLUSTER	YES	75094.83		26.72	13.36	40.08	20150	Valve	8266.23	Valve	12278.21	36	0.312	52	0.17	0.05	5.14	3.96	0.257639	335	1013	729	649	0.46	1.12							1250	Unknown		
19051	GirthWeld		75108.19		40.08	39.91	39.91	20160	Valve	8279.59	Valve	12264.85	36	0.312	52					0.097222	335			649									1250	Unknown		
19052	GirthWeld		75148

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
19088	CLUSTER	YES	75574.37		2.51	37.55	40.06	20280	Valve	8745.77	Valve	11798.67	36	0.312	52	0.22	0.07	18.74	5.50	5:43	335	915	659	649	0.51	1.07							1250	Unknown		
19108	CLUSTER	YES	75576.17		4.31	35.75	40.06	20280	Valve	8747.57	Valve	11796.87	36	0.312	52	0.15	0.05	2.81	2.48	6:14	335	1049	756	649	0.44	1.17							1250	Unknown		
19111	CLUSTER	YES	75581.2		9.34	30.72	40.06	20280	Valve	8752.6	Valve	11791.84	36	0.312	52	0.18	0.06	14.84	1.70	0.260417	335	952	686	649	0.49	1.09							1250	Unknown		
19118	CLUSTER	YES	75583.71		11.85	28.21	40.06	20280	Valve	8755.11	Valve	11789.32	36	0.312	52	0.2	0.06	10.49	1.42	0.228472	335	954	687	649	0.49	1.08							1250	Unknown		
19121	CLUSTER	YES	75583.76		11.9	28.16	40.06	20280	Valve	8755.16	Valve	11789.28	36	0.312	52	0.24	0.08	19.64	2.01	0.265278	335	898	647	649	0.52	1.05							1250	Unknown		
19136	CLUSTER	YES	75585.59		13.73	26.33	40.06	20280	Valve	8756.99	Valve	11787.45	36	0.312	52	0.16	0.05	10.90	2.96	5:29	335	978	704	649	0.48	1.10							1250	Unknown		
19145	CLUSTER	YES	75586.85		14.99	25.07	40.06	20280	Valve	8758.25	Valve	11786.19	36	0.312	52	0.17	0.05	4.54	0.60	5:43	335	1020	735	649	0.46	1.14							1250	Unknown		
19148	CLUSTER	YES	75587.9		16.04	24.02	40.06	20280	Valve	8759.3	Valve	11785.14	36	0.312	52	0.18	0.06	12.32	3.93	0.242361	335	960	691	649	0.48	1.09							1250	Unknown		
19155	MELO-CORR	YES	75596.6		24.74	15.32	40.06	20280	Valve	8768	Valve	11776.44	36	0.312	52	0.19	0.06	1.18	0.24	0.282639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
19156	GirthWeld		75611.92		40.06	39.58	39.58	20290	Valve	8783.32	Valve	11761.12	36	0.312	52					0.088889	335			649									1250	Unknown		
19157	GirthWeld		75651.5		39.58	39.62	39.62	20300	Valve	8822.9	Valve	11721.54	36	0.312	52					12:42	335			649									1250	Unknown		
19158	GirthWeld		75691.12		39.62	39.79	39.79	20310	Valve	8862.52	Valve	11681.92	36	0.312	52					11:30	335			649									1250	Unknown		
19159	GirthWeld		75730.91		39.79	39.71	39.7	20320	Valve	8902.31	Valve	11642.13	36	0.312	52					0.120833	335			649									1250	Unknown		
19160	GirthWeld		75770.62		39.71	39.65	39.65	20330	Valve	8942.02	Valve	11602.42	36	0.312	52					0.081944	335			649									1250	Unknown		
19161	GirthWeld		75810.27		39.65	20.74	20.74	20340	Valve	8981.67	Valve	11562.77	36	0.312	52					0.416667	335			649									1250	Unknown		
19162	GirthWeld		75831.01		20.74	17.94	17.95	20350	Valve	9002.41	Valve	11542.03	36	0.312	52					8:54	335			649									1250	Unknown		
19163	GirthWeld		75848.95		17.94	38.34	38.33	20360	Valve	9020.35	Valve	11524.09	36	0.312	52					10:54	335			649									1250	Unknown		
19164	GirthWeld		75887.29		38.34	39.85	39.85	20370	Valve	9058.68	Valve	11485.75	36	0.312	52					0.118056	335			649									1250	Unknown		
19165	GirthWeld		75927.13		39.84	39.68	39.68	20380	Valve	9098.53	Valve	11445.91	36	0.312	52					0.058333	335			649									1250	Unknown		
19166	GirthWeld		75966.81		39.68	33.02	33.02	20390	Valve	9138.21	Valve	11406.23	36	0.312	52					0.408333	335			649									1250	Unknown		
19168	CLUSTER	YES	75968.35		1.54	31.48	33.02	20390	Valve	9139.75	Valve	11404.68	36	0.312	52	0.15	0.05	2.92	0.85	6:17	335	1048	754	649	0.44	1.16							1250	Unknown		
19170	MELO-CORR	YES	75980.56		13.75	19.27	33.02	20390	Valve	9151.96	Valve	11392.48	36	0.312	52	0.15	0.05	1.42	0.16	5:50	335	1067	768	649	0.44	1.18							1598	Metal Loss		
19172	CLUSTER	YES	75983.23		16.42	16.6	33.02	20390	Valve	9154.63	Valve	11389.81	36	0.312	52	0.25	0.08	24.49	3.55	0.258333	335	884	636	649	0.53	1.02							1250	Unknown		
19181	CLUSTER	YES	75984.36		17.55	15.47	33.02	20390	Valve	9155.76	Valve	11388.68	36	0.312	52	0.15	0.05	16.19	3.39	0.236111	335	971	699	649	0.48	1.09							1250	Unknown		
19197	CLUSTER	YES	75985.59		18.78	14.24	33.02	20390	Valve	9156.99	Valve	11387.45	36	0.312	52	0.17	0.05	12.24	3.11	0.259722	335	967	696	649	0.48	1.08							1250	Unknown		
19202	CLUSTER	YES	75985.84		19.03	13.99	33.02	20390	Valve	9157.24	Valve	11387.2	36	0.312	52	0.17	0.05	18.98	2.61	5:35	335	952	686	649	0.49	1.08							1250	Unknown		
19217	CLUSTER	YES	75986.8		19.99	13.03	33.02	20390	Valve	9158.2	Valve	11386.24	36	0.312	52	0.15	0.05	9.10	2.14	6:18	335	992	714	649	0.47	1.11							1250	Unknown		
19225	CLUSTER	YES	75987.74		20.93	12.09	33.02	20390	Valve	9159.14	Valve	11385.3	36	0.312	52	0.21	0.07	12.54	1.35	0.2375	335	938	676	649	0.50	1.08							1250	Unknown		
19231	CLUSTER	YES	75988.96		22.15	10.87	33.02	20390	Valve	9160.36	Valve	11384.08	36	0.312	52	0.15	0.05	3.78	0.47	0.240972	335	1036	746	649	0.45	1.15							1250	Unknown		
19234	CLUSTER	YES	75990.9		24.09	8.93	33.02	20390	Valve	9162.3	Valve	11382.14	36	0.312	52	0.19	0.06	12.28	2.11	0.234028	335	953	686	649	0.49	1.10							1250	Unknown		
19240	CLUSTER	YES	75991.48		24.67	8.35	33.02	20390	Valve	9162.88	Valve	11381.56	36	0.312	52	0.16	0.05	2.48	1.26	6:17	335	1052	757	649	0.44	1.17							1250	Unknown		
19245	CLUSTER	YES	75994.4		27.59	5.44	33.02	20390	Valve	9165.8	Valve	11378.64	36	0.312	52	0.17	0.05	5.66	1.07	6:18	335	1007	725	649	0.46	1.13							1250	Unknown		
19248	MELO-CORR	YES	75995.11		28.3	4.72	33.02	20390	Valve	9166.51	Valve	11377.93	36	0.312	52	0.16	0.05	1.10	0.20	0.234722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19249	MELO-CORR	YES	75996.97		30.16	2.86	33.02	20390	Valve	9168.37	Valve	11376.07	36	0.312	52	0.15	0.05	1.22	0.16	0.260417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19251	CLUSTER	YES	75998.96		32.15	0.87	33.02	20390	Valve	9170.36	Valve	11374.08	36	0.312	52	0.15	0.05	6.59	0.63	0.2625	335	1008	726	649	0.46	1.12							1250	Unknown		
19253	GirthWeld		75999.83		33.02	39.88	39.88	20400	Valve	9171.23	Valve	11373.21	36	0.312	52					8:33	335			649									1250	Unknown		
19255	CLUSTER	YES	76000.92		1.09	38.79	39.88	20400	Valve	9172.32	Valve	11372.12	36	0.312	52	0.18	0.06	18.58	1.67	5:42	335	945	681	649	0.49	1.08							1250	Unknown		
19262	CLUSTER	YES	76001.57		1.74	38.14	39.88	20400	Valve	9172.97	Valve	11371.47	36	0.312	52	0.19	0.06	5.98	1.04	0.258333	335	994	716	649	0.47	1.11							1250	Unknown		
19270	CLUSTER	YES	76002.75		2.92	36.96	39.88	20400	Valve	9174.15	Valve	11370.29	36	0.312	52	0.29	0.09	42.18	6.85	0.2375	335	834	601	649	0.56	1.01							1250	Unknown		
19301	MELO-CORR	YES	76006.31		6.48	33.4	39.88	20400	Valve	9177.71	Valve	11366.73	36	0.312	52	0.15	0.05	1.22	0.20	0.279167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19303	CLUSTER	YES	76007.06		7.23	32.65	39.88	20400	Valve	9178.46	Valve	11365.98	36	0.312	52	0.29	0.09	12.84	3.11	6:09	335	880	634	649	0.53	1.07							1250	Unknown		
19311	CLUSTER	YES	76008.26		8.43	31.45	39.88	20400	Valve	9179.66	Valve	11364.78	36	0.312	52	0.23	0.07	14.92	2.92	6:12	335	916	660	649	0.51	1.06							1250	Unknown		
19315	CLUSTER	YES	76008.71		8.88	31	39.88	20400	Valve	9180.11	Valve	11364.33	36	0.312	52	0.15	0.05	11.87	1.42	0.2375	335	981	706	649	0.47	1.09							1250	Unknown		
19328	CLUSTER	YES	76009.59		9.76	30.12	39.88	20400	Valve	9180.99	Valve	11363.45	36	0.312	52	0.16	0.05	11.14	2.64	0.25625	335	977	703	649	0.48	1.09							1250	Unknown		
19336	CLUSTER	YES	76011.31		11.48	28.4	39.88	20400	Valve	9182.71	Valve	11361.73	36	0.312	52	0.2	0.06	4.20	0.66	0.259028	335	1014	730	649	0.46	1.14							1250	Unknown		
19338	CLUSTER	YES	76011.44		11.61	28.27	39.88	20400	Valve	9182.84	Valve	11361.6	36	0.312	52	0.21	0.07	14.63	2.42	5:37	335	931	671	649	0.50	1.05							1250	Unknown		
19343	CLUSTER	YES	76011.75		11.92	27.96	39.88	20400	Valve	9183.15	Valve	11361.29	36	0.312	52	0.28	0.09	71.93	8.23	5:38	335	830	598	649	0.56	1.01							1250	Unknown		
19367	CLUSTER	YES	76012.76		12.93	26.95	39.88	20400	Valve	9184.16	Valve	11360.27	36	0.312	52	0.19	0.06	31.38	2.83	0.234028	335	926	666	649	0.50	1.07							1250	Unknown		
19375	CLUSTER	YES	76013.13		13.29	26.59	39.88	20400	Valve	9184.52	Valve	11359.91	36	0.312	52	0.23	0.07	4.30	0.38	0.279167	335	1003	722	649	0.46	1.14							1250	Unknown		
19436	LWFE-MIFE	n/a	76017.07		17.24	22.65	39.88	20400	Valve	9188.46	Valve	11355.97	36	0.312	52	0.24	0.08	0.51	0.12	0.352083	335			649									3421	Mill Wall Thinning		
19446	CLUSTER	YES	76017.93		18.1	21.78	39.88	20400	Valve	9189.33	Valve	11355.11	36	0.312	52	0.22	0.07	19.78	7.16	5:45	335	913	657	649	0.51	1.08							1250	Unknown		
19462	CLUSTER	YES	76018.95		19.12	20.76	39.88	20400	Valve	9190.35	Valve	11354.09	36	0.312	52	0.18	0.06	7.04	1.70	5:38	335	989	712	649	0.47	1.12							1250	Unknown		
19472	CLUSTER	YES	76019.67		19.84	20.04	39.88	20400	Valve	9191.07	Valve	11353.37	36	0.312	52	0.2	0.06	26.94	8.61	0.234722	335	921	663	649	0.51	1.07							1250	Unknown		
19496	LWFE	n/a	76021.64		21.81	18.07	39.88	20400	Valve	9193.04	Valve	11351.4	36	0.312	52					0.352778	335			649									2168	seam weld anomaly		
19500	CLUSTER	YES	76024.73		24.9	14.98	39.88	20400	Valve	9196.13	Valve	11348.31	36	0.312	52	0.15	0.05	9.29	1.92	0.2625	335	991	714	649	0.47	1.11							1250	Unknown		
19504	CLUSTER	YES	76025.97		26.14	13.74	39.88	20400	Valve	9197.37	Valve	11347.07	36	0.312	52	0.2	0.06	16.04	2.89	6:17	335	935	673	649	0.50	1.07							1250	Unknown		
19513	CLUSTER	YES	76031.81		31.98	7.9	39.88	20400	Valve	9203.21	Valve	11341.23	36	0.312	52	0.16	0.05	4.61	1.23	5:48	335	1023	737	649	0.45	1.14							1250	Unknown		
19516	CLUSTER	YES	76032.15		32.32	7.56	39.88	20400	Valve	9203.55	Valve	11340.88	36	0.312	52	0.2	0.06	6.92	1.20	0.25625	335	980	705	649	0.48	1.11							1250	Unknown		
19520	MELO-CORR	YES	76032.93		33.1	6.78	39.88	20400	Valve	9204.33	Valve	11340.11	36	0.312	52	0.23	0.07	0.91	0.59	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19522	CLUSTER	YES	76034.26		34.43	5.46	39.88	20400	Valve	9205.65	Valve	11338.78	36	0.312	52	0.22	0.07	8.30	1.70	0.239583	335	956	688	649	0.49	1.11							1250	Unknown		
19526	CLUSTER	YES	76035.24		35.41	4.47	39.88	20400	Valve	9206.64	Valve	11337.8	36	0.312	52	0.19	0.06	11.69	0.79	5:49	335	955	688	649	0.49	1.07							1250	Unknown		
19529	CLUSTER	YES	76035.54		35.71	4.17	39.88	20400	Valve	9206.94	Valve	11337.5	36	0.312	52	0.15	0.05	5.34	0.85	6:15	335	1019	733	649	0.46	1.13							1250	Unknown		
19535	CLUSTER	YES	76038.61		38.78	1.1	39.88	20400	Valve	9210.01	Valve	11334.43	36	0.312	52	0.27	0.08	4.73	0.76	0.241667	335	978	704	649	0.48	1.14							1250	Unknown		
19537	GirthWeld		76039.71		39.88	39.77	39.77	20410	Valve	9211.11	Valve	11333.33	36	0.312	52					0.095833	335			649									1250	Unknown		
19538	GirthWeld		76079.48		39.77	39.77	39.77	20420	Valve	9250.88	Valve	11293.56	36	0.312	52					0.052778	335			649									1250	Unknown		
19539	GirthWeld		76119.25		39.77	37.55	37.55	20430	Valve	9290.65	Valve	11253.79	36	0.312	52					11:28	335			649									1250	Unknown		
19540	GirthWeld		76156.8		37.55	39.8	39.8	20440	Valve	9328.2	Valve	11216.24	36	0.312	52					10:50	335			649									1250	Unknown		
19541	GirthWeld		76196.6		39.8	33.01	33.01	20450	Valve	9368	Valve	11176.44	36	0.312	52					0.080556	335			649									1250	Unknown		
19542	GirthWeld		76229.61		33.01	39.77	39.77	20460	Valve	9401.01	Valve	11143.43	36	0.312	52					0.526389	335			649									1250	Unknown		
19543	GirthWeld		76269.38		39.77	39.82	39.82	20470	Valve	9440.78	Valve	11103.66	36	0.312	52					0.409722	335			649									1250	Unknown		
19544	GirthWeld		76309.2		39.82	38.75	38.75	20480	Valve	9480.6	Valve	11063.84	36	0.312	52					11:08	335			649									1250	Unknown		
19546	CLUSTER	YES	76337.6		28.4	10.35	38.75	20480	Valve	9508.99	Valve	11035.44	36	0.312	52	0.16	0.05	7.01	0.91	6:11	335	999	720	649	0.47	1.11							1250	Unknown		
19551	GirthWeld		76347.95		38.75	14.14	14.14	20490	Valve	9519.35	Valve	11025.09	36	0.312	52					0.475694	335			649									1250	Unknown		
19552	GirthWeld		76362.09		14.14	39.79	39.79	20500	Valve	9533.49	Valve	11010.95	36	0.312	52					0.054167	335			649									1250	Unknown		
19553	MIFE	n/a	76398.19		36.1	3.7	39.79	20500	Valve	9569.59	Valve	10974.85	36	0.312	52					0.540972	335			649									2167	Mill Anomaly		
19554	MIFE	n/a	76398.25		36.16	3.63	39.79	20500	Valve	9569.65	Valve	10974.79	36	0.312	52					12:59	335			649									2167	Mill Anomaly		
19555	GirthWeld		76401.88		39.79	38.69	38.68	20510	Valve	9573.28	Valve	10971.16	36	0.312	52					3:02	335			649									1250	Unknown		
19556	MELO-CORR	YES	76414.94		13.06	25.62	38.68	20510	Valve	9586.34	Valve	10958.1	36	0.312	52	0.16	0.05	1.10	0.20	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19557	GirthWeld		76440.57		38.69	35.09	35.09	20520	Valve	9611.97	Valve	10932.47	36	0.312	52					0.085417	335			649									1250	Unknown		
19558	MELO-CORR	YES	76464.85		24.28	10.8	35.09	20520	Valve	9636.25	Valve	10908.19	36	0.312	52	0.18	0.06	1.10	0.39	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19560	CLUSTER	YES	76465.35		24.77	10.31	35.09	20520	Valve	9636.74	Valve	10907.69	36	0.312	52	0.16	0.05	3.85	0.91	5:42	335	1032	743	649	0.45	1.15							1250	Unknown		
19563	MELO-CORR	YES	76467.14		26.57	8.51	35.09	20520	Valve	9638.54	Valve	10905.9	36	0.312	52	0.18	0.06	1.10	0.20	6:26	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19564	MELO-CORR	YES	76467.87		27.3	7.79	35.09	20520	Valve	9639.27	Valve	10905.17	36	0.312	52	0.15	0.05	1.22	0.39	0.235417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19566	CLUSTER	YES	76470.71		30.14	4.95	35.09	20520	Valve	9642.11	Valve	10902.33	36	0.312	52	0.17	0.05	3.88	1.29	0.235417	335	1030	741	649	0.45	1.15							1250	Unknown		
19570	CLUSTER	YES	76471.02		30.45	4.64	35.09	20520	Valve	9642.42	Valve	10902.02	36	0.312	52	0.18	0.06	4.12	1.60	0.261111	335	1022	736	649	0.46	1.15							1250	Unknown		
19574	CLUSTER	YES	76471.85		31.28	3.8	35.09	20520	Valve	9643.25	Valve	10901.19	36	0.312	52	0.17	0.05	5.87	1.64	6:16	335	1005	723	649	0.46	1.13							1250	Unknown		
19578	MELO-CORR	YES	76473.6		33.03	2.06	35.09	20520	Valve	9645	Valve	10899.44	36	0.312	52	0.16	0.05	1.10	0.24	6:26	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19579	MELO-CORR	YES	76474.41		33.84	1.25	35.09	20520	Valve	9645.81	Valve	10898.63	36	0.312	52	0.21	0.07	0.98	0.43	0.266667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19581	CLUSTER	YES	76474.75		34.18	0.91	35.09	20520	Valve	9646.15	Valve	10898.29	36	0.312	52	0.19	0.06	3.50	0.63	0.265278	335	1029	741	649	0.45	1.15							1250	Unknown		
19583	GirthWeld		76475.66		35.09	39.94	39.94	20530	Valve	9647.06	Valve	10897.38	36	0.312	52					0.420833	335			649									1250	Unknown		
19585	CLUSTER	YES	76476.36		0.7	39.24	39.94	20530	Valve	9647.76	Valve	10896.68	36	0.312	52	0.15	0.05	4.55	0.88	6:20	335	1027	739	649	0.45	1.14							1250	Unknown		
19589	CLUSTER	YES	76479.69		4.03	35.91	39.94	20530	Valve	9651.09	Valve	10893.35	36	0.312	52	0.22	0.07	19.68	4.87	5:51	335	913	658	649	0.51	1.06							1250	Unknown		
19609	CLUSTER	YES	76481.44		5.78	34.16	39.94	20530	Valve	9652.84	Valve	10891.6	36	0.312	52	0.16	0.05	7.90	4.84	0.244444	335	993	715	649	0.47	1.12							1250	Unknown		
19615	CLUSTER	YES	76482.61		6.95	32.99	39.94	20530	Valve	9654.01	Valve	10890.43	36	0.312	52	0.16	0.05	7.75	1.23	0.242361	335	994	716	649	0.47	1.12							1250	Unknown		
19617	CLUSTER	YES	76482.61		6.95	32.99	39.94	20530	Valve	9654.01	Valve	10890.43	36	0.312	52	0.17	0.05	3.53	0.76	0.2625	335	1034	745	649	0.45	1.16							1250	Unknown		
19621	MELO-CORR	YES	76491		15.34	24.61	39.94	20530	Valve	9662.4	Valve	10882.04	36	0.312	52	0.15	0.05	1.14	0.20	5:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19622	MELO-CORR	YES	76491.45		15.79	24.15	39.94	20530	Valve	9662.85	Valve	10881.59	36	0.312	52	0.15	0.05	1.10	0.47	5:48	335	1070	770	649	0.43	1.19							1598	Metal Loss		
19623	MELO-CORR	YES	76492.07		16.41	23.53	39.94	20530	Valve	9663.47	Valve	10880.97	36	0.312	52	0.17	0.05	1.14	0.55	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
19625	CLUSTER	YES	76501.65		25.99	13.95	39.94	20530	Valve	9673.05	Valve	10871.39	36	0.312	52	0.18	0.06	23.74	3.02	0.259722	335	940	677	649	0.50	1.08							1250	Unknown		
19641	CLUSTER	YES	76503.71		28.05	11.9	39.94	20530	Valve	9675.11	Valve	10869.33	36	0.312	52	0.17	0.05	13.40	2.61	0.238194	335	963	693	649	0.48	1.10							1250	Unknown		
19648	MELO-CORR	YES	76505.46		29.8	10.14	39.94	20530	Valve	9676.86	Valve	10867.58	36	0.312	52	0.17	0.05	1.18	0.83	6:18	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19650	CLUSTER	YES	76506.83		31.17	8.77	39.94	20530	Valve	9678.23	Valve	10866.21	36	0.312	52	0.22	0.07	6.91	0.82	5:46

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
19796	CLUSTER	YES	76540.04		24.44	15.29	39.73	20540	Valve	9711.44	Valve	10833	36	0.312	52	0.18	0.06	8.84	2.23	5:54	335	976	702	649	0.48	1.11							1250	Unknown		
19805	MELO-CORR	YES	76541.43		25.83	13.9	39.73	20540	Valve	9712.83	Valve	10831.61	36	0.312	52	0.16	0.05	1.18	0.20	6:35	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19807	CLUSTER	YES	76542.2		26.6	13.13	39.73	20540	Valve	9713.6	Valve	10830.84	36	0.312	52	0.17	0.05	16.81	9.24	0.238889	335	955	688	649	0.49	1.08							1250	Unknown		
19820	CLUSTER	YES	76543.68		28.08	11.65	39.73	20540	Valve	9715.08	Valve	10829.36	36	0.312	52	0.22	0.07	9.49	3.05	0.266667	335	947	682	649	0.49	1.10							1250	Unknown		
19827	CLUSTER	YES	76544.69		29.09	10.64	39.73	20540	Valve	9716.09	Valve	10828.35	36	0.312	52	0.17	0.05	6.72	3.87	0.267361	335	997	718	649	0.47	1.12							1250	Unknown		
19834	CLUSTER	YES	76545.72		30.12	9.61	39.73	20540	Valve	9717.12	Valve	10827.32	36	0.312	52	0.15	0.05	6.80	1.23	6:14	335	1006	724	649	0.46	1.12							1250	Unknown		
19835	MELO-CORR	YES	76545.76		30.16	9.57	39.73	20540	Valve	9717.16	Valve	10827.28	36	0.312	52	0.2	0.06	1.22	0.32	6:44	335	1066	768	649	0.44	1.18							1598	Metal Loss		
19839	CLUSTER	YES	76547.34		31.74	7.99	39.73	20540	Valve	9718.74	Valve	10825.7	36	0.312	52	0.16	0.05	3.55	0.38	0.284028	335	1037	746	649	0.45	1.16							1250	Unknown		
19842	CLUSTER	YES	76548.29		32.68	7.04	39.73	20540	Valve	9719.68	Valve	10824.75	36	0.312	52	0.16	0.05	3.22	0.94	0.229167	335	1041	750	649	0.45	1.16							1250	Unknown		
19844	CLUSTER	YES	76548.32		32.72	7.01	39.73	20540	Valve	9719.72	Valve	10824.71	36	0.312	52	0.16	0.05	6.89	5.06	0.259722	335	1000	720	649	0.47	1.12							1250	Unknown		
19852	CLUSTER	YES	76551.91		36.31	3.42	39.73	20540	Valve	9723.31	Valve	10821.13	36	0.312	52	0.16	0.05	3.84	3.17	5:53	335	1032	743	649	0.45	1.15							1250	Unknown		
19857	MELO-CORR	YES	76552.61		37.01	2.72	39.73	20540	Valve	9724.01	Valve	10820.43	36	0.312	52	0.16	0.05	1.18	0.32	6:44	335	1068	769	649	0.44	1.19							1598	Metal Loss		
19858	GirthWeld		76555.33		39.73	36.27	36.27	20550	Valve	9726.73	Valve	10817.71	36	0.312	52					0.09375	335			649									1250	Unknown		
19859	MELO-CORR	YES	76561.91		6.58	29.68	36.27	20550	Valve	9733.31	Valve	10811.13	36	0.312	52	0.17	0.05	1.10	0.24	0.277778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19861	CLUSTER	YES	76564.97		9.64	26.63	36.27	20550	Valve	9736.37	Valve	10808.07	36	0.312	52	0.15	0.05	4.00	1.23	0.24375	335	1034	744	649	0.45	1.15							1250	Unknown		
19865	CLUSTER	YES	76565.58		10.25	26.02	36.27	20550	Valve	9736.98	Valve	10807.46	36	0.312	52	0.15	0.05	8.75	2.08	5:42	335	994	715	649	0.47	1.11							1250	Unknown		
19870	MELO-CORR	YES	76571.69		16.36	19.9	36.27	20550	Valve	9743.09	Valve	10801.35	36	0.312	52	0.22	0.07	1.22	0.91	5:08	335	1065	767	649	0.44	1.18							1598	Metal Loss		
19871	MELO-CORR	YES	76572.3		16.97	19.29	36.27	20550	Valve	9743.7	Valve	10800.74	36	0.312	52	0.2	0.06	1.18	0.20	0.220139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
19873	CLUSTER	YES	76573.13		17.8	18.46	36.27	20550	Valve	9744.53	Valve	10799.91	36	0.312	52	0.18	0.06	2.66	1.26	0.263889	335	1046	753	649	0.45	1.17							1250	Unknown		
19875	MELO-CORR	YES	76574.09		18.76	17.5	36.27	20550	Valve	9745.49	Valve	10798.95	36	0.312	52	0.15	0.05	1.10	0.16	0.213889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
19876	MELO-CORR	YES	76575.26		19.93	16.34	36.27	20550	Valve	9746.66	Valve	10797.78	36	0.312	52	0.21	0.07	1.18	0.39	5:11	335	1066	768	649	0.44	1.18							1598	Metal Loss		
19877	MELO-CORR	YES	76575.56		20.23	16.04	36.27	20550	Valve	9746.96	Valve	10797.48	36	0.312	52	0.23	0.07	1.69	0.43	5:13	335	1056	761	649	0.44	1.17							1598	Metal Loss		
19879	CLUSTER	YES	76581.6		26.27	9.99	36.27	20550	Valve	9753	Valve	10791.44	36	0.312	52	0.16	0.05	6.07	3.21	0.236806	335	1007	725	649	0.46	1.13							1250	Unknown		
19885	CLUSTER	YES	76582.94		27.61	8.66	36.27	20550	Valve	9754.34	Valve	10790.1	36	0.312	52	0.15	0.05	10.10	2.42	0.244444	335	987	711	649	0.47	1.10							1250	Unknown		
19890	MELO-CORR	YES	76587.03		31.7	4.57	36.27	20550	Valve	9758.43	Valve	10786.01	36	0.312	52	0.19	0.06	1.18	0.16	0.241667	335	1067	768	649	0.44	1.18							1598	Metal Loss		
19891	GirthWeld		76591.6		36.27	39.92	39.93	20560	Valve	9763	Valve	10781.44	36	0.312	52					1:35	335			649									1250	Unknown		
19893	CLUSTER	YES	76593		1.4	38.53	39.93	20560	Valve	9764.4	Valve	10780.04	36	0.312	52	0.18	0.06	7.16	1.67	5:45	335	988	711	649	0.47	1.12							1250	Unknown		
19897	CLUSTER	YES	76595.01		3.41	36.52	39.93	20560	Valve	9766.41	Valve	10778.03	36	0.312	52	0.16	0.05	13.50	5.12	0.252778	335	970	698	649	0.48	1.09							1250	Unknown		
19899	CLUSTER	YES	76595.03		3.43	36.5	39.93	20560	Valve	9766.43	Valve	10778.01	36	0.312	52	0.17	0.05	29.82	5.15	0.225694	335	943	679	649	0.49	1.08							1250	Unknown		
19909	CLUSTER	YES	76595.29		3.69	36.23	39.93	20560	Valve	9766.69	Valve	10777.75	36	0.312	52	0.15	0.05	6.30	1.23	0.252083	335	1010	727	649	0.46	1.12							1250	Unknown		
19920	MELO-CORR	YES	76596.02		4.42	35.51	39.93	20560	Valve	9767.42	Valve	10777.02	36	0.312	52	0.15	0.05	1.14	0.47	6:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19932	CLUSTER	YES	76598.51		6.91	33.01	39.93	20560	Valve	9769.91	Valve	10774.53	36	0.312	52	0.15	0.05	17.21	5.18	5:42	335	969	698	649	0.48	1.08							1250	Unknown		
19945	CLUSTER	YES	76601.19		9.59	30.34	39.93	20560	Valve	9772.59	Valve	10771.85	36	0.312	52	0.21	0.07	21.68	7.29	0.236111	335	918	661	649	0.51	1.08							1250	Unknown		
19964	CLUSTER	YES	76604.28		12.68	27.24	39.93	20560	Valve	9775.68	Valve	10768.76	36	0.312	52	0.16	0.05	10.64	4.12	0.224306	335	979	705	649	0.48	1.10							1250	Unknown		
19972	MELO-CORR	YES	76604.89		13.29	26.63	39.93	20560	Valve	9776.29	Valve	10768.15	36	0.312	52	0.15	0.05	1.14	0.16	0.279167	335	1069	770	649	0.44	1.19							1598	Metal Loss		
19974	CLUSTER	YES	76604.99		13.39	26.53	39.93	20560	Valve	9776.39	Valve	10768.04	36	0.312	52	0.23	0.07	26.08	3.46	5:37	335	898	647	649	0.52	1.06							1250	Unknown		
19983	CLUSTER	YES	76606.05		14.45	25.47	39.93	20560	Valve	9777.45	Valve	10766.99	36	0.312	52	0.17	0.05	11.66	4.05	6:19	335	969	697	649	0.48	1.09							1250	Unknown		
19999	CLUSTER	YES	76607.82		16.22	23.7	39.93	20560	Valve	9779.22	Valve	10765.22	36	0.312	52	0.2	0.06	6.50	2.26	0.24375	335	984	708	649	0.47	1.12							1250	Unknown		
20006	CLUSTER	YES	76608.48		16.88	23.05	39.93	20560	Valve	9779.88	Valve	10764.56	36	0.312	52	0.25	0.08	22.90	4.96	0.225	335	886	638	649	0.53	1.05							1250	Unknown		
20011	CLUSTER	YES	76609		17.4	22.52	39.93	20560	Valve	9780.4	Valve	10764.04	36	0.312	52	0.16	0.05	5.62	1.13	0.259028	335	1012	728	649	0.46	1.13							1250	Unknown		
20013	CLUSTER	YES	76609.02		17.42	22.51	39.93	20560	Valve	9780.42	Valve	10764.02	36	0.312	52	0.2	0.06	4.18	0.57	6:39	335	1015	731	649	0.46	1.14							1250	Unknown		
20025	CLUSTER	YES	76609.58		17.98	21.95	39.93	20560	Valve	9780.98	Valve	10763.46	36	0.312	52	0.25	0.08	23.23	3.71	6:19	335	885	637	649	0.53	1.08							1250	Unknown		
20044	CLUSTER	YES	76612.16		20.56	19.36	39.93	20560	Valve	9783.56	Valve	10760.88	36	0.312	52	0.26	0.08	7.04	0.72	0.242361	335	946	681	649	0.49	1.09							1250	Unknown		
20047	MELO-CORR	YES	76612.45		20.85	19.07	39.93	20560	Valve	9783.85	Valve	10760.59	36	0.312	52	0.23	0.07	1.10	0.16	0.261806	335	1066	768	649	0.44	1.18							1598	Metal Loss		
20049	CLUSTER	YES	76612.93		21.33	18.59	39.93	20560	Valve	9784.33	Valve	10760.11	36	0.312	52	0.24	0.08	10.61	4.46	0.243056	335	927	668	649	0.50	1.05							1250	Unknown		
20060	CLUSTER	YES	76614.48		22.88	17.05	39.93	20560	Valve	9785.88	Valve	10758.56	36	0.312	52	0.2	0.06	7.86	0.94	5:47	335	971	699	649	0.48	1.10							1250	Unknown		
20065	CLUSTER	YES	76615.22		23.62	16.31	39.93	20560	Valve	9786.62	Valve	10757.82	36	0.312	52	0.26	0.08	8.29	1.51	6:12	335	932	671	649	0.50	1.07							1250	Unknown		
20072	CLUSTER	YES	76617.49		25.89	14.03	39.93	20560	Valve	9788.89	Valve	10755.55	36	0.312	52	0.15	0.05	5.06	0.54	0.240972	335	1021	735	649	0.46	1.13							1250	Unknown		
20075	CLUSTER	YES	76618.4		26.8	13.12	39.93	20560	Valve	9789.8	Valve	10754.64	36	0.312	52	0.26	0.08	7.42	2.26	0.257639	335	941	678	649	0.49	1.09							1250	Unknown		
20081	CLUSTER	YES	76619.52		27.92	12.01	39.93	20560	Valve	9790.92	Valve	10753.52	36	0.312	52	0.16	0.05	4.86	1.20	0.25625	335	1020	734	649	0.46	1.13							1250	Unknown		
20082	MELO-CORR	YES	76619.52		27.92	12	39.93	20560	Valve	9790.92	Valve	10753.51	36	0.312	52	0.2	0.06	1.10	0.20	5:49	335	1068	769	649	0.44	1.18							1598	Metal Loss		
20087	CLUSTER	YES	76620.41		28.81	11.11	39.93	20560	Valve	9791.81	Valve	10752.63	36	0.312	52	0.21	0.07	1.91	0.76	6:10	335	1055	759	649	0.44	1.17							1250	Unknown		
20090	CLUSTER	YES	76621.98		30.38	9.55	39.93	20560	Valve	9793.38	Valve	10751.06	36	0.312	52	0.18	0.06	3.46	1.70	0.2375	335	1033	744	649	0.45	1.15							1250	Unknown		
20092	GirthWeld		76631.52		39.92	39.79	39.79	20570	Valve	9802.92	Valve	10741.52	36	0.312	52					0.419444	335			649									1250	Unknown		
20094	CLUSTER	YES	76634.14		2.62	37.18	39.79	20570	Valve	9805.54	Valve	10738.9	36	0.312	52	0.17	0.05	5.52	2.33	0.236806	335	1009	726	649	0.46	1.13							1250	Unknown		
20098	CLUSTER	YES	76643.11		11.59	28.2	39.79	20570	Valve	9814.51	Valve	10729.93	36	0.312	52	0.23	0.07	7.14	0.72	5:46	335	961	692	649	0.48	1.10							1250	Unknown		
20102	CLUSTER	YES	76652.85		21.33	18.47	39.79	20570	Valve	9824.25	Valve	10720.19	36	0.312	52	0.17	0.05	12.68	2.29	6:03	335	965	695	649	0.48	1.09							1250	Unknown		
20108	GirthWeld		76671.31		39.79	39.21	39.21	20580	Valve	9842.71	Valve	10701.73	36	0.312	52					0.393056	335			649									1250	Unknown		
20109	GirthWeld		76710.52		39.21	36.07	36.07	20590	Valve	9881.92	Valve	10662.52	36	0.312	52					0.043056	335			649									1250	Unknown		
20110	GirthWeld		76746.59		36.07	39.82	39.82	20600	Valve	9917.99	Valve	10626.45	36	0.312	52					0.463889	335			649									1250	Unknown		
20111	GirthWeld		76786.41		39.82	9.96	9.96	20610	Valve	9957.81	Valve	10586.63	36	0.312	52					12:43	335			649									1250	Unknown		
20112	GirthWeld		76796.37		9.96	29.55	29.55	20620	Valve	9967.77	Valve	10576.67	36	0.312	52					11:04	335			649									1250	Unknown		
20113	GirthWeld		76825.92		29.55	39.12	39.12	20630	Valve	9997.32	Valve	10547.12	36	0.312	52					0.416667	335			649									1250	Unknown		
20115	CLUSTER	YES	76859.71		33.79	5.33	39.12	20630	Valve	10031.11	Valve	10513.33	36	0.312	52	0.15	0.05	15.29	1.98	0.245139	335	973	700	649	0.48	1.09							1250	Unknown		
20122	GirthWeld		76865.04		39.12	39.83	39.83	20640	Valve	10036.44	Valve	10508	36	0.312	52					0.518056	335			649									1250	Unknown		
20123	GirthWeld		76904.87		39.83	39.79	39.79	20650	Valve	10076.27	Valve	10468.17	36	0.312	52					2:02	335			649									1250	Unknown		
20124	GirthWeld		76944.66		39.79	38.63	38.63	20660	Valve	10116.06	Valve	10428.38	36	0.312	52					11:20	335			649									1250	Unknown		
20125	GirthWeld		76983.29		38.63	39.67	39.67	20670	Valve	10154.69	Valve	10389.75	36	0.312	52					0.447222	335			649									1250	Unknown		
20126	GirthWeld		77022.96		39.67	39.81	39.81	20680	Valve	10194.36	Valve	10350.08	36	0.312	52					0.045833	335			649									1250	Unknown		
20127	GirthWeld		77062.77		39.81	39.71	39.71	20690	Valve	10234.17	Valve	10310.27	36	0.312	52					0.5125	335			649									1250	Unknown		
20128	GirthWeld		77102.48		39.71	37.6	37.6	20700	Valve	10273.88	Valve	10270.56	36	0.312	52					11:26	335			649									1250	Unknown		
20129	GirthWeld		77140.08		37.6	39.8	39.8	20710	Valve	10311.48	Valve	10232.96	36	0.312	52					10:34	335			649									1250	Unknown		
20130	GirthWeld		77179.88		39.8	39.85	39.84	20720	Valve	10351.28	Valve	10193.16	36	0.312	52					0.065278	335			649									1250	Unknown		
20131	GirthWeld		77219.73		39.85	39.66	39.67	20730	Valve	10391.13	Valve	10153.31	36	0.312	52					0.518875	335			649									1250	Unknown		
20132	GirthWeld		77259.39		39.66	38.91	38.91	20740	Valve	10430.79	Valve	10113.65	36	0.312	52					0.422222	335			649									1250	Unknown		
20133	GirthWeld		77298.3		38.91	39.7	39.7	20750	Valve	10469.7	Valve	10074.74	36	0.312	52					9:14	335			649									1250	Unknown		
20134	GirthWeld		77338		39.7	29.24	29.24	20760	Valve	10509.4	Valve	10035.04	36	0.312	52					1:52	335			649									1250	Unknown		
20135	GirthWeld		77367.24		29.24	39.5	39.5	20770	Valve	10538.64	Valve	10005.8	36	0.312	52					0.073611	335			649									1250	Unknown		
20136	MELO-CORR	YES	77385.84		18.6	20.9	39.5	20770	Valve	10557.24	Valve	9987.2	36	0.312	52	0.2	0.06	1.18	0.47	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20137	MELO-CORR	YES	77389.43		22.19	17.31	39.5	20770	Valve	10560.83	Valve	9983.61	36	0.312	52	0.15	0.05	1.22	0.24	0.236111	335	1069	769	649	0.44	1.19							1598	Metal Loss		
20138	MELO-CORR	YES	77389.9		22.66	16.84	39.5	20770	Valve	10561.3	Valve	9983.14	36	0.312	52	0.15	0.05	1.18	0.16	5:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20139	MELO-CORR	YES	77394.71		27.47	12.02	39.5	20770	Valve	10566.11	Valve	9978.33	36	0.312	52	0.22	0.07	1.18	0.20	6:44	335	1066	767	649	0.44	1.18							1598	Metal Loss		
20140	MELO-CORR	YES	77398.01		30.76	8.73	39.5	20770	Valve	10569.4	Valve	9975.03	36	0.312	52	0.2	0.06	1.10	0.43	0.270139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
20142	CLUSTER	YES	77401.4		34.16	5.33	39.5	20770	Valve	10572.8	Valve	9971.64	36	0.312	52	0.16	0.05	5.80	0.97	0.243056	335	1010	727	649	0.46	1.13							1250	Unknown		
20146	CLUSTER	YES	77402.06		34.82	4.68	39.5	20770	Valve	10573.46	Valve	9970.98	36	0.312	52	0.17	0.05	7.57	3.61	0.259722	335	990	713	649	0.47	1.11							1250	Unknown		
20152	GirthWeld		77406.74		39.5	32.56	32.56	20780	Valve	10578.14	Valve	9966.3	36	0.312	52					9:49	335			649									1250	Unknown		
20154	CLUSTER	YES	77409.15		2.41	30.15	32.56	20780	Valve	10580.55	Valve	9963.89	36	0.312	52	0.16	0.05	6.97	1.16	5:45	335	1000	720	649	0.47	1.12							1250	Unknown		
20158	CLUSTER	YES	77409.7		2.96	29.6	32.56	20780	Valve	10581.1	Valve	9963.34	36	0.312	52	0.15	0.05	17.10	6.66	0.238194	335	970	698	649	0.48	1.09							1250	Unknown		
20173	CLUSTER	YES	77411.97		5.23	27.33	32.56	20780	Valve	10583.37	Valve	9961.07	36	0.312	52	0.19	0.06	19.46	8.11	0.238194	335	936	674	649	0.50	1.07							1250	Unknown		
20199	CLUSTER	YES	77418.88		12.14	20.42	32.56	20780	Valve	10590.28	Valve	9954.16	36	0.312	52	0.26	0.08	2.83	1.42	0.243056	335	1026	738	649	0.45	1.16							1250	Unknown		
20202	CLUSTER	YES	77419.33		12.59	19.97	32.56	20780	Valve	10590.73	Valve	9953.71	36	0.312	52	0.21	0.07	6.36	1.10	6:14	335	980	706	649	0.47	1.10							1250	Unknown		
20206	CLUSTER	YES	77421.48		14.74	17.82	32.56	20780	Valve	10592.88	Valve	9951.56	36	0.312	52	0.18	0.06	29.87	5.47	5:45	335	935	673	649	0.50	1.07							1250	Unknown		
20225	CLUSTER	YES	77424.33		17.59	14.97	32.56	20780	Valve	10595.73	Valve	9948.71	36	0.312	52	0.2	0.06	9.61	2.33	0.240972	335	959	690	649	0.49	1.08							1250	Unknown		
20231	CLUSTER	YES	77424.74		18	14.56	32.56	20780	Valve	10596.14	Valve	9948.3	36	0.312	52	0.26	0.08	34.62	3.46	0.261111	335	866	623	649	0.54	1.06							1250	Unknown		
20240	CLUSTER	YES	77425.38		18.64	13.92	32.56	20780	Valve	10596.78	Valve	9947.65	36	0.312	52	0.16	0.05	27.86	3.49	0.228472	335	952	685	649	0.49	1.08							1250	Unknown		
20273	MELO-CORR	YES	77427.77		21.03	11.53	32.56	20780	Valve	10599.17	Valve	9945.27	36	0.312	52	0.15	0.05	1.10	0.35	6:30	335	1070	770	649	0.43	1.19							1598	Metal Loss		
20275	CLUSTER	YES	77427.97		21.23	11.33	32.56	20780	Valve	10599.37	Valve	9945.07	36	0.312	52	0.16	0.05	10.62	2.77	6:23	335	979	705	649	0.48	1.10							1250	Unknown		
20281	CLUSTER	YES	77430.78		24.04	8.52	32.56	20780	Valve	10602.18	Valve	9942.26	36	0.312	52	0.15	0.05	19.54	1.86	0.235417	335	966	696	649	0.48	1.08							1250	Unknown		
20292	CLUSTER	YES	77438.37		31.63	0.93	32.56	20780	Valve	10609.77	Valve	9934.67	36	0.312	52	0.15	0.05	4.93	1.29	0.250694	335	1023	737	649	0.45	1.14							1250	Unknown		
20296	GirthWeld		77439.3		32.56	39.02	39.02	20790	Valve	10610.7	Valve	9933.74	36	0.312	52					0.386111	335			649									1250	Unknown		
20298	CLUSTER	YES	77439.58		0.28	38.74	39.02	20790	Valve	10610.98	Valve	9933.46	36	0.312	52	0.18	0.06	12.28	2.48	6:02	335	960	691	649	0.48	1.09							1250	Unknown	

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
20418	GirthWeld		77708.98		39.25	39.8	39.81	20860	Valve	10880.38	Valve	9664.06	36	0.312	52					10:44	335			649									1250	Unknown		
20419	MELO-CORR	YES	77718.54		9.57	30.24	39.81	20860	Valve	10889.94	Valve	9654.49	36	0.312	52	0.16	0.05	1.53	0.55	5:44	335	1065	767	649	0.44	1.18							1598	Metal Loss		
20420	GirthWeld		77748.78		39.8	38.45	38.44	20870	Valve	10920.18	Valve	9624.26	36	0.312	52					0.426389	335			649									1250	Unknown		
20422	CLUSTER	YES	77782.15		33.37	5.08	38.44	20870	Valve	10953.55	Valve	9590.89	36	0.312	52	0.15	0.05	4.97	2.39	0.243056	335	1023	736	649	0.46	1.14							1250	Unknown		
20425	GirthWeld		77787.23		38.45	38.75	38.75	20880	Valve	10958.63	Valve	9585.81	36	0.312	52					0.051389	335			649									1250	Unknown		
20426	GirthWeld		77825.98		38.75	39.1	39.1	20890	Valve	10997.38	Valve	9547.06	36	0.312	52					12:30	335			649									1250	Unknown		
20427	Attachmnt		77857.42		31.44	7.66	39.1	20890	Valve	11028.82	Valve	9515.62	36	0.312	52					6:30	335			649									2170	Attachment		
20428	GirthWeld		77865.08		39.1	39.49	39.49	20900	Valve	11036.48	Valve	9507.96	36	0.312	52					0.465278	335			649									1250	Unknown		
20429	GirthWeld		77904.57		39.49	39.79	39.79	20910	Valve	11075.97	Valve	9468.47	36	0.312	52					0.427778	335			649									1250	Unknown		
20430	GirthWeld		77944.36		39.79	25.77	25.77	20920	Valve	11115.76	Valve	9428.68	36	0.312	52					0.041667	335			649									1250	Unknown		
20431	GirthWeld		77970.13		25.77	39.82	39.82	20930	Valve	11141.53	Valve	9402.91	36	0.312	52					11:50	335			649									1250	Unknown		
20432	GirthWeld		78009.95		39.82	39.89	39.9	20940	Valve	11181.35	Valve	9363.09	36	0.312	52					9:48	335			649									1250	Unknown		
20433	GirthWeld		78049.84		39.89	39.72	39.71	20950	Valve	11221.24	Valve	9323.2	36	0.312	52					0.461111	335			649									1250	Unknown		
20434	GirthWeld		78089.56		39.72	39.84	39.84	20960	Valve	11260.96	Valve	9283.48	36	0.312	52					0.065278	335			649									1250	Unknown		
20435	GirthWeld		78129.4		39.84	39.78	39.78	20970	Valve	11300.8	Valve	9243.64	36	0.312	52					0.519444	335			649									1250	Unknown		
20436	GirthWeld		78169.18		39.78	39.87	39.87	20980	Valve	11340.58	Valve	9203.86	36	0.312	52					11:02	335			649									1250	Unknown		
20437	GirthWeld		78209.05		39.87	39.85	39.85	20990	Valve	11380.45	Valve	9163.99	36	0.312	52					10:10	335			649									1250	Unknown		
20438	GirthWeld		78248.9		39.85	39.29	39.29	21000	Valve	11420.3	Valve	9124.14	36	0.312	52					0.077778	335			649									1250	Unknown		
20439	GirthWeld		78288.19		39.29	39.78	39.78	21010	Valve	11459.59	Valve	9084.85	36	0.312	52					0.129167	335			649									1250	Unknown		
20440	MELO-CORR	YES	78325.5		37.31	2.47	39.78	21010	Valve	11496.9	Valve	9047.54	36	0.312	52	0.16	0.05	1.10	0.20	0.265972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20441	GirthWeld		78327.97		39.78	39.96	39.95	21020	Valve	11499.37	Valve	9045.07	36	0.312	52					8:44	335			649									1250	Unknown		
20442	MELO-CORR	YES	78330.45		2.48	37.47	39.95	21020	Valve	11501.85	Valve	9042.59	36	0.312	52	0.15	0.05	1.18	0.20	5:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20444	CLUSTER	YES	78331.1		3.13	36.83	39.95	21020	Valve	11502.5	Valve	9041.94	36	0.312	52	0.16	0.05	13.56	1.35	0.236111	335	970	698	649	0.48	1.09							1250	Unknown		
20451	MELO-CORR	YES	78332.65		4.68	35.28	39.95	21020	Valve	11504.05	Valve	9040.39	36	0.312	52	0.16	0.05	1.22	0.55	0.236806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20452	MELO-CORR	YES	78334.2		6.23	33.73	39.95	21020	Valve	11505.6	Valve	9038.84	36	0.312	52	0.16	0.05	1.10	0.32	0.275694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20454	CLUSTER	YES	78334.41		6.44	33.51	39.95	21020	Valve	11505.81	Valve	9038.63	36	0.312	52	0.18	0.06	6.01	1.89	6:36	335	999	719	649	0.47	1.13							1250	Unknown		
20456	CLUSTER	YES	78334.52		6.55	33.41	39.95	21020	Valve	11505.92	Valve	9038.52	36	0.312	52	0.16	0.05	4.58	1.04	6:18	335	1023	737	649	0.45	1.14							1250	Unknown		
20462	MELO-CORR	YES	78336.18		8.21	31.74	39.95	21020	Valve	11507.58	Valve	9036.86	36	0.312	52	0.22	0.07	1.18	0.43	0.26875	335	1066	767	649	0.44	1.18							1598	Metal Loss		
20464	CLUSTER	YES	78336.33		8.36	31.59	39.95	21020	Valve	11507.73	Valve	9036.71	36	0.312	52	0.21	0.07	11.23	4.02	0.229167	335	944	680	649	0.49	1.09							1250	Unknown		
20472	CLUSTER	YES	78338.82		10.85	29.1	39.95	21020	Valve	11510.22	Valve	9034.22	36	0.312	52	0.2	0.06	7.01	1.10	0.233333	335	979	705	649	0.48	1.12							1250	Unknown		
20477	MELO-CORR	YES	78339.65		11.68	28.28	39.95	21020	Valve	11511.05	Valve	9033.39	36	0.312	52	0.15	0.05	1.18	0.35	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20478	MELO-CORR	YES	78340.52		12.55	27.41	39.95	21020	Valve	11511.92	Valve	9032.52	36	0.312	52	0.16	0.05	1.22	0.20	6:33	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20479	MELO-CORR	YES	78340.62		12.65	27.31	39.95	21020	Valve	11512.02	Valve	9032.42	36	0.312	52	0.19	0.06	1.22	0.16	0.213889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20480	MELO-CORR	YES	78340.79		12.82	27.14	39.95	21020	Valve	11512.19	Valve	9032.25	36	0.312	52	0.16	0.05	1.10	0.20	0.264583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20482	CLUSTER	YES	78341.43		13.46	26.49	39.95	21020	Valve	11512.83	Valve	9031.6	36	0.312	52	0.15	0.05	1.68	0.57	0.265278	335	1064	766	649	0.44	1.18							1250	Unknown		
20484	MELO-CORR	YES	78341.82		13.85	26.11	39.95	21020	Valve	11513.22	Valve	9031.22	36	0.312	52	0.15	0.05	1.10	0.20	6:42	335	1070	770	649	0.43	1.19							1598	Metal Loss		
20485	MELO-CORR	YES	78342.12		14.15	25.81	39.95	21020	Valve	11513.52	Valve	9030.92	36	0.312	52	0.17	0.05	1.10	0.16	5:38	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20486	MELO-CORR	YES	78344.04		16.07	23.88	39.95	21020	Valve	11515.44	Valve	9029	36	0.312	52	0.19	0.06	1.14	0.47	0.275	335	1067	769	649	0.44	1.18							1598	Metal Loss		
20487	MELO-CORR	YES	78344.63		16.66	23.29	39.95	21020	Valve	11516.03	Valve	9028.41	36	0.312	52	0.15	0.05	1.18	0.20	0.238889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20489	CLUSTER	YES	78347.59		19.62	20.33	39.95	21020	Valve	11518.99	Valve	9025.45	36	0.312	52	0.17	0.05	7.68	0.63	0.244444	335	989	712	649	0.47	1.10							1250	Unknown		
20494	CLUSTER	YES	78348.46		20.49	19.46	39.95	21020	Valve	11519.86	Valve	9024.57	36	0.312	52	0.28	0.09	17.04	3.39	6:09	335	873	628	649	0.53	1.04							1250	Unknown		
20495	MELO-CORR	YES	78348.49		20.52	19.43	39.95	21020	Valve	11519.89	Valve	9024.55	36	0.312	52	0.17	0.05	1.18	0.20	7:35	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20502	CLUSTER	YES	78349.06		21.09	18.87	39.95	21020	Valve	11520.46	Valve	9023.98	36	0.312	52	0.2	0.06	19.72	5.97	0.220833	335	929	669	649	0.50	1.07							1250	Unknown		
20516	CLUSTER	YES	78349.98		22.01	17.94	39.95	21020	Valve	11521.38	Valve	9023.06	36	0.312	52	0.19	0.06	13.25	2.52	0.252083	335	950	684	649	0.49	1.09							1250	Unknown		
20531	CLUSTER	YES	78351.81		23.84	16.12	39.95	21020	Valve	11523.21	Valve	9021.23	36	0.312	52	0.15	0.05	13.36	1.60	0.256944	335	977	703	649	0.48	1.09							1250	Unknown		
20536	CLUSTER	YES	78352.09		24.12	15.84	39.95	21020	Valve	11523.49	Valve	9020.95	36	0.312	52	0.16	0.05	5.11	1.16	5:40	335	1017	732	649	0.46	1.13							1250	Unknown		
20543	CLUSTER	YES	78356.4		28.43	11.53	39.95	21020	Valve	11527.8	Valve	9016.64	36	0.312	52	0.17	0.05	26.17	6.29	5:32	335	945	681	649	0.49	1.07							1250	Unknown		
20545	CLUSTER	YES	78356.44		28.47	11.48	39.95	21020	Valve	11527.84	Valve	9016.6	36	0.312	52	0.18	0.06	18.28	5.09	0.258333	335	946	681	649	0.49	1.07							1250	Unknown		
20576	CLUSTER	YES	78358.38		30.41	9.55	39.95	21020	Valve	11529.78	Valve	9014.66	36	0.312	52	0.15	0.05	22.22	3.68	0.259028	335	964	694	649	0.48	1.09							1250	Unknown		
20590	CLUSTER	YES	78361.82		33.85	6.1	39.95	21020	Valve	11533.22	Valve	9011.22	36	0.312	52	0.17	0.05	5.35	0.85	0.284028	335	1010	727	649	0.46	1.14							1250	Unknown		
20593	CLUSTER	YES	78362.85		34.88	5.07	39.95	21020	Valve	11534.25	Valve	9010.19	36	0.312	52	0.17	0.05	22.14	5.15	5:43	335	949	683	649	0.49	1.08							1250	Unknown		
20604	MELO-CORR	YES	78364.15		36.18	3.78	39.95	21020	Valve	11535.55	Valve	9008.89	36	0.312	52	0.16	0.05	1.14	0.20	4:54	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20609	CLUSTER	YES	78365.14		37.17	2.78	39.95	21020	Valve	11536.54	Valve	9007.9	36	0.312	52	0.26	0.08	15.55	1.73	0.254861	335	892	642	649	0.52	1.07							1250	Unknown		
20615	MELO-CORR	YES	78366.05		38.08	1.87	39.95	21020	Valve	11537.45	Valve	9006.99	36	0.312	52	0.16	0.05	1.18	0.20	0.285417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20617	GirthWeld		78367.93		39.96	39.71	39.71	21030	Valve	11539.32	Valve	9005.11	36	0.312	52					0.40625	335			649									1250	Unknown		
20619	CLUSTER	YES	78368.7		0.77	38.94	39.71	21030	Valve	11540.1	Valve	9004.34	36	0.312	52	0.38	0.12	13.62	1.32	6:25	335	808	582	649	0.58	1.03							1250	Unknown		
20623	CLUSTER	YES	78369.04		1.11	38.6	39.71	21030	Valve	11540.44	Valve	9004	36	0.312	52	0.16	0.05	12.70	2.08	5:30	335	972	700	649	0.48	1.08							1250	Unknown		
20635	CLUSTER	YES	78370.71		2.78	36.93	39.71	21030	Valve	11542.11	Valve	9002.33	36	0.312	52	0.17	0.05	16.39	1.57	0.267361	335	956	689	649	0.49	1.08							1250	Unknown		
20639	CLUSTER	YES	78371.04		3.11	36.6	39.71	21030	Valve	11542.44	Valve	9002	36	0.312	52	0.26	0.08	3.65	0.97	0.233333	335	1005	724	649	0.46	1.14							1250	Unknown		
20646	CLUSTER	YES	78372.45		4.52	35.19	39.71	21030	Valve	11543.85	Valve	9000.59	36	0.312	52	0.21	0.07	12.08	1.32	0.266667	335	940	677	649	0.49	1.07							1250	Unknown		
20650	CLUSTER	YES	78372.78		4.85	34.86	39.71	21030	Valve	11544.18	Valve	9000.26	36	0.312	52	0.18	0.06	7.45	1.07	5:37	335	986	710	649	0.47	1.10							1250	Unknown		
20658	CLUSTER	YES	78373.95		6.02	33.68	39.71	21030	Valve	11545.35	Valve	8999.09	36	0.312	52	0.25	0.08	10.06	1.57	6:26	335	924	665	649	0.50	1.10							1250	Unknown		
20664	CLUSTER	YES	78375.34		7.41	32.3	39.71	21030	Valve	11546.74	Valve	8997.7	36	0.312	52	0.19	0.06	18.16	6.10	0.233333	335	938	676	649	0.50	1.07							1250	Unknown		
20678	CLUSTER	YES	78377.27		9.34	30.37	39.71	21030	Valve	11548.67	Valve	8995.77	36	0.312	52	0.17	0.05	3.04	0.54	0.234028	335	1042	750	649	0.45	1.16							1250	Unknown		
20681	CLUSTER	YES	78379.67		11.74	27.97	39.71	21030	Valve	11551.07	Valve	8993.37	36	0.312	52	0.15	0.05	13.74	9.11	0.231944	335	976	703	649	0.48	1.09							1250	Unknown		
20691	CLUSTER	YES	78384.53		16.6	23.11	39.71	21030	Valve	11555.93	Valve	8988.51	36	0.312	52	0.17	0.05	6.26	1.54	6:23	335	1001	721	649	0.46	1.12							1250	Unknown		
20696	CLUSTER	YES	78385.95		18.02	21.69	39.71	21030	Valve	11557.35	Valve	8987.09	36	0.312	52	0.16	0.05	13.07	3.49	5:50	335	971	699	649	0.48	1.08							1250	Unknown		
20713	CLUSTER	YES	78387.24		19.32	20.39	39.71	21030	Valve	11558.64	Valve	8985.79	36	0.312	52	0.15	0.05	3.04	0.72	0.243056	335	1046	753	649	0.44	1.16							1250	Unknown		
20715	MELO-CORR	YES	78388.4		20.47	19.24	39.71	21030	Valve	11559.79	Valve	8984.64	36	0.312	52	0.15	0.05	1.22	0.43	0.220139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
20716	GirthWeld		78407.64		39.71	39.29	39.29	21040	Valve	11579.04	Valve	8965.4	36	0.312	52					0.066667	335			649									1250	Unknown		
20717	GirthWeld		78446.93		39.29	39.73	39.73	21050	Valve	11618.33	Valve	8926.11	36	0.312	52					2:48	335			649									1250	Unknown		
20718	GirthWeld		78486.66		39.74	39.83	39.82	21060	Valve	11658.06	Valve	8886.38	36	0.312	52					11:26	335			649									1250	Unknown		
20719	GirthWeld		78526.49		39.82	38.6	38.6	21070	Valve	11697.88	Valve	8846.55	36	0.312	52					0.459722	335			649									1250	Unknown		
20720	GirthWeld		78565.08		38.59	39.4	39.39	21080	Valve	11736.48	Valve	8807.96	36	0.312	52					0.520833	335			649									1250	Unknown		
20722	CLUSTER	YES	78587.3		22.22	17.18	39.39	21080	Valve	11758.7	Valve	8785.74	36	0.312	52	0.18	0.06	1.69	1.01	0.25	335	1061	764	649	0.44	1.18							1250	Unknown		
20724	GirthWeld		78604.48		39.4	39.59	39.59	21090	Valve	11775.88	Valve	8768.56	36	0.312	52					1:52	335			649									1250	Unknown		
20725	GirthWeld		78644.07		39.59	39.84	39.84	21100	Valve	11815.47	Valve	8728.97	36	0.312	52					7:44	335			649									1250	Unknown		
20727	CLUSTER	YES	78649.73		5.66	34.17	39.84	21100	Valve	11821.13	Valve	8723.31	36	0.312	52	0.18	0.06	23.57	5.00	0.238889	335	940	677	649	0.50	1.07							1250	Unknown		
20744	CLUSTER	YES	78653.45		9.38	30.46	39.84	21100	Valve	11824.85	Valve	8719.59	36	0.312	52	0.17	0.05	4.16	1.48	0.253472	335	1025	738	649	0.45	1.15							1250	Unknown		
20747	GirthWeld		78683.91		39.84	17.49	17.49	21110	Valve	11855.31	Valve	8689.13	36	0.312	52					0.377083	335			649									1250	Unknown		
20748	GirthWeld		78701.4		17.49	21.49	21.5	21120	Valve	11872.8	Valve	8671.64	36	0.312	52					9:48	335			649									1250	Unknown		
20750	CLUSTER	YES	78710.21		8.81	12.68	21.5	21120	Valve	11881.61	Valve	8662.83	36	0.312	52	0.17	0.05	17.20	3.77	5:52	335	955	687	649	0.49	1.09							1250	Unknown		
20759	GirthWeld		78722.89		21.49	39.82	39.82	21130	Valve	11894.29	Valve	8650.15	36	0.312	52					0.511111	335			649									1250	Unknown		
20761	CLUSTER	YES	78723		0.11	39.71	39.82	21130	Valve	11894.4	Valve	8650.04	36	0.312	52	0.17	0.05	5.89	2.36	0.246528	335	1004	723	649	0.46	1.13							1250	Unknown		
20767	GirthWeld		78762.71		39.82	39.6	39.59	21140	Valve	11934.11	Valve	8610.32	36	0.312	52					0.529167	335			649									1250	Unknown		
20768	GirthWeld		78802.31		39.6	39.73	39.73	21150	Valve	11973.71	Valve	8570.73	36	0.312	52					11:20	335			649									1250	Unknown		
20769	GirthWeld		78842.04		39.73	38.41	38.4	21160	Valve	12013.44	Valve	8531	36	0.312	52					10:09	335			649									1250	Unknown		
20770	MIFE	n/a	78842.9		0.86	37.54	38.4	21160	Valve	12014.3	Valve	8530.14	36	0.312	52					0.484028	335			649									2167	Mill Anomaly		
20771	MIFE	n/a	78842.96		0.92	37.49	38.4	21160	Valve	12014.35	Valve	8530.08	36	0.312	52					0.484722	335			649									2167	Mill Anomaly		
20772	GirthWeld		78880.45		38.41	39.82	39.83	21170	Valve	12051.85	Valve	8492.59	36	0.312	52					0.052778	335			649									1250	Unknown		
20773	GirthWeld		78920.27		39.82	39.69	39.68	21180	Valve	12091.67	Valve	8452.77	36	0.312	52					12:30	335			649									1250	Unknown		
20774	GirthWeld		78959.96		39.69	39.85	39.85	21190	Valve	12131.36	Valve	8413.08	36	0.312	52					10:29	335			649									1250	Unknown		
20775	GirthWeld		78999.81		39.85	39.79	39.79	21200	Valve	12171.21	Valve	8373.23	36	0.312	52					0.468056	335			649									1250	Unknown		
20776	GirthWeld		79039.6		39.79	38.72	38.72	21210	Valve	12211	Valve	8333.43	36	0.312	52					0.508333	335			649									1250	Unknown		
20777	GirthWeld		79078.32		38.72	39.24	39.24	21220	Valve	12249.72	Valve	8294.72	36	0.312	52					0.051389	335			649									1250	Unknown		
20778	GirthWeld		79117.56		39.24	39.78	39.78	21230	Valve	12288.96	Valve	8255.48	36	0.312	52					8:54	335			649									1250	Unknown		
20779	GirthWeld		79157.34		39.78	39.81	39.81	21240	Valve	12328.74	Valve	8215.7	36	0.312	52					9:52	335			649									1250	Unknown		
20780	GirthWeld		79197.15		39.81	39.84	39.84	21250	Valve	12368.55	Valve	8175.89	36	0.312	52					0.534722	335			649									1250	Unknown		
20781	GirthWeld		79236.99		39.84	39.82	39.82	21260	Valve	12408.39	Valve	8136.05	36	0.312	52					0.090972	335			649									1250	Unknown		
20782	MELO-CORR	YES	79250.05		13.06	26.76	39.82	21260	Valve	12421.45	Valve	8122.99	36	0.312	52	0.16	0.05	0.91	0.43	0.2625	335	1071	771	649	0.43	1.19							1598	Metal Loss		
20783	MELO-CORR	YES	79250.33		13.34	26.48	39.82	21260	Valve	12421.73	Valve	8122.71	36	0.312	52	0.19	0.06	1.22	0.71	5:36	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20785	CLUSTER	YES	79256.62		19.63	20.19	39.82	21260	Valve	12428.02	Valve	8116.42	36	0.312	52	0.18	0.06	3.55	0.60	6:25	335	1031	743	649	0.45	1.15							1250	Unknown		
20787	MELO-CORR	YES	79269.88		32.88	6.94	39.82	21260	Valve	12441.27	Valve	8103.16	36	0.312	52	0.16	0.05	1.22	0.35	0.241667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20788	MELO-CORR	YES	79271.03		34.04	5.78	39.82	21260	Valve	12442.43	Valve	8102.01	36	0.312	52	0.18	0.06	1.10	0.39	0.265972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20789	MELO-CORR	YES	79273.13		36.14	3.69	39.82	21260	Valve	12444.53	Valve	8099.91	36	0.312	52	0.16	0.05	1.14	0.47	0.233333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20791	CLUSTER	YES	79274.39		37.4	2.42	39.82	21260	Valve	12445.79

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
20873	CLUSTER	YES	79304.41		27.6	12.33	39.93	21270	Valve	12475.81	Valve	8068.63	36	0.312	52	0.18	0.06	17.53	2.70	6:31	335	947	682	649	0.49	1.07							1250	Unknown		
20882	MELO-CORR	YES	79306.24		29.43	10.51	39.93	21270	Valve	12477.64	Valve	8066.8	36	0.312	52	0.17	0.05	1.69	0.39	5:53	335	1062	765	649	0.44	1.18							1598	Metal Loss		
20884	CLUSTER	YES	79307.77		30.96	8.97	39.93	21270	Valve	12479.17	Valve	8065.26	36	0.312	52	0.15	0.05	10.42	3.33	0.220833	335	986	710	649	0.47	1.10							1250	Unknown		
20888	MELO-CORR	YES	79308.35		31.54	8.4	39.93	21270	Valve	12479.74	Valve	8064.69	36	0.312	52	0.15	0.05	1.14	0.51	0.209028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20892	CLUSTER	YES	79308.95		32.14	7.8	39.93	21270	Valve	12480.35	Valve	8064.09	36	0.312	52	0.16	0.05	4.88	2.01	0.273611	335	1020	734	649	0.46	1.14							1250	Unknown		
20893	MELO-CORR	YES	79308.99		32.18	7.75	39.93	21270	Valve	12480.39	Valve	8064.05	36	0.312	52	0.16	0.05	1.18	0.55	5:33	335	1068	769	649	0.44	1.19							1598	Metal Loss		
20897	CLUSTER	YES	79309.59		32.78	7.15	39.93	21270	Valve	12480.99	Valve	8063.45	36	0.312	52	0.16	0.05	2.10	1.35	4:54	335	1058	761	649	0.44	1.17							1250	Unknown		
20900	CLUSTER	YES	79311.04		34.23	5.71	39.93	21270	Valve	12482.44	Valve	8062	36	0.312	52	0.15	0.05	10.06	3.02	0.270139	335	988	711	649	0.47	1.11							1250	Unknown		
20905	CLUSTER	YES	79312.45		35.64	4.3	39.93	21270	Valve	12483.85	Valve	8060.59	36	0.312	52	0.16	0.05	12.74	1.70	0.271528	335	972	700	649	0.48	1.10							1250	Unknown		
20908	MELO-CORR	YES	79312.92		36.11	3.83	39.93	21270	Valve	12484.32	Valve	8060.12	36	0.312	52	0.15	0.05	1.14	0.71	0.231944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20912	CLUSTER	YES	79313.46		36.65	3.28	39.93	21270	Valve	12484.86	Valve	8059.58	36	0.312	52	0.2	0.06	2.11	0.41	5:36	335	1052	757	649	0.44	1.17							1250	Unknown		
20915	CLUSTER	YES	79313.62		36.81	3.13	39.93	21270	Valve	12485.02	Valve	8059.42	36	0.312	52	0.25	0.08	3.68	1.32	6:26	335	1008	726	649	0.46	1.13							1250	Unknown		
20919	CLUSTER	YES	79313.94		37.13	2.81	39.93	21270	Valve	12485.34	Valve	8059.1	36	0.312	52	0.21	0.07	1.62	0.72	0.214583	335	1060	763	649	0.44	1.18							1250	Unknown		
20922	CLUSTER	YES	79314.16		37.35	2.59	39.93	21270	Valve	12485.56	Valve	8058.88	36	0.312	52	0.19	0.06	3.74	0.54	0.279861	335	1025	738	649	0.45	1.15							1250	Unknown		
20925	CLUSTER	YES	79314.55		37.74	2.2	39.93	21270	Valve	12485.95	Valve	8058.49	36	0.312	52	0.2	0.06	6.18	3.14	0.268056	335	987	711	649	0.47	1.10							1250	Unknown		
20932	CLUSTER	YES	79316.27		39.46	0.48	39.93	21270	Valve	12487.67	Valve	8056.77	36	0.312	52	0.23	0.07	3.11	0.32	5:37	335	1026	739	649	0.45	1.14							1250	Unknown		
20934	GirthWeld		79316.75		39.94	23.01	23.02	21280	Valve	12488.15	Valve	8056.29	36	0.312	52					10:25	335			649									1250	Unknown		
20936	CLUSTER	YES	79316.83		0.08	22.93	23.02	21280	Valve	12488.23	Valve	8056.21	36	0.312	52	0.22	0.07	14.35	1.20	0.230556	335	925	666	649	0.50	1.07							1250	Unknown		
20941	CLUSTER	YES	79317.24		0.49	22.53	23.02	21280	Valve	12488.64	Valve	8055.8	36	0.312	52	0.19	0.06	4.09	0.47	0.271528	335	1020	734	649	0.46	1.15							1250	Unknown		
20948	CLUSTER	YES	79317.81		1.06	21.96	23.02	21280	Valve	12489.21	Valve	8055.23	36	0.312	52	0.15	0.05	6.02	0.60	0.270139	335	1012	729	649	0.46	1.13							1250	Unknown		
20951	MELO-CORR	YES	79318.29		1.54	21.47	23.02	21280	Valve	12489.69	Valve	8054.75	36	0.312	52	0.21	0.07	1.14	0.24	5:42	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20953	CLUSTER	YES	79318.93		2.18	20.83	23.02	21280	Valve	12490.33	Valve	8054.11	36	0.312	52	0.17	0.05	4.88	0.63	6:25	335	1016	731	649	0.46	1.13							1250	Unknown		
20955	MELO-CORR	YES	79319.63		2.88	20.13	23.02	21280	Valve	12491.03	Valve	8053.41	36	0.312	52	0.2	0.06	1.18	0.16	0.26875	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20956	MELO-CORR	YES	79331.83		15.08	7.94	23.02	21280	Valve	12503.23	Valve	8041.21	36	0.312	52	0.16	0.05	1.14	0.16	0.181944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
20957	MELO-CORR	YES	79337.94		21.19	1.82	23.02	21280	Valve	12509.34	Valve	8035.1	36	0.312	52	0.2	0.06	1.14	0.20	0.234722	335	1067	768	649	0.44	1.18							1598	Metal Loss		
20958	GirthWeld		79339.76		23.01	29.24	29.25	21290	Valve	12511.16	Valve	8033.27	36	0.312	52					11:15	335			649									1250	Unknown		
20960	CLUSTER	YES	79341.57		1.81	27.44	29.25	21290	Valve	12512.97	Valve	8031.47	36	0.312	52	0.15	0.05	4.08	0.50	6:43	335	1032	743	649	0.45	1.15							1250	Unknown		
20964	CLUSTER	YES	79343.71		3.95	25.3	29.25	21290	Valve	12515.11	Valve	8029.33	36	0.312	52	0.15	0.05	1.57	1.16	0.276389	335	1065	767	649	0.44	1.18							1250	Unknown		
20967	CLUSTER	YES	79344.38		4.62	24.63	29.25	21290	Valve	12515.78	Valve	8028.66	36	0.312	52	0.16	0.05	3.36	2.20	0.263194	335	1040	748	649	0.45	1.16							1250	Unknown		
20970	CLUSTER	YES	79357.42		17.66	11.59	29.25	21290	Valve	12528.82	Valve	8015.62	36	0.312	52	0.18	0.06	2.83	0.60	0.240278	335	1043	751	649	0.45	1.16							1250	Unknown		
20972	GirthWeld		79369.01		29.25	10.53	10.53	21300	Valve	12540.41	Valve	8004.03	36	0.312	52					10:46	335			649									1250	Unknown		
20973	GirthWeld		79379.54		10.53	30.22	30.22	21310	Valve	12550.94	Valve	7993.5	36	0.312	52					1:40	335			649									1250	Unknown		
20974	GirthWeld		79409.76		30.23	39.37	39.36	21320	Valve	12581.16	Valve	7963.27	36	0.312	52					0.388889	335			649									1250	Unknown		
20975	GirthWeld		79449.13		39.37	37.39	37.39	21330	Valve	12620.53	Valve	7923.91	36	0.312	52					0.404167	335			649									1250	Unknown		
20976	GirthWeld		79486.52		37.39	22.19	22.19	21340	Valve	12657.92	Valve	7886.52	36	0.312	52					0.115278	335			649									1250	Unknown		
20977	GirthWeld		79508.71		22.19	39.73	39.73	21350	Valve	12680.11	Valve	7864.33	36	0.312	52					1:16	335			649									1250	Unknown		
20978	GirthWeld		79548.44		39.73	39.15	39.15	21360	Valve	12719.84	Valve	7824.6	36	0.312	52					10:16	335			649									1250	Unknown		
20979	GirthWeld		79587.59		39.15	39.8	39.8	21370	Valve	12758.99	Valve	7785.45	36	0.312	52					0.486111	335			649									1250	Unknown		
20980	GirthWeld		79627.39		39.8	39.89	39.89	21380	Valve	12798.79	Valve	7745.65	36	0.312	52					0.081944	335			649									1250	Unknown		
20981	MELO-CORR	YES	79649.54		22.15	17.74	39.89	21380	Valve	12820.94	Valve	7723.5	36	0.312	52	0.16	0.05	3.50	0.43	0.258333	335	1037	747	649	0.45	1.15							1598	Metal Loss		
20982	GirthWeld		79667.28		39.89	38.85	38.85	21390	Valve	12838.68	Valve	7705.76	36	0.312	52					1:14	335			649									1250	Unknown		
20983	GirthWeld		79706.13		38.85	39.07	39.08	21400	Valve	12877.53	Valve	7666.91	36	0.312	52					10:29	335			649									1250	Unknown		
20984	GirthWeld		79745.2		39.07	39.81	39.81	21410	Valve	12916.6	Valve	7627.84	36	0.312	52					0.4875	335			649									1250	Unknown		
20985	GirthWeld		79785.01		39.82	39.76	39.76	21420	Valve	12956.41	Valve	7588.02	36	0.312	52					0.532639	335			649									1250	Unknown		
20986	GirthWeld		79824.78		39.77	39.76	39.76	21430	Valve	12996.18	Valve	7548.26	36	0.312	52					0.122222	335			649									1250	Unknown		
20987	GirthWeld		79864.54		39.76	39.85	39.85	21440	Valve	13035.94	Valve	7508.5	36	0.312	52					11:45	335			649									1250	Unknown		
20988	GirthWeld		79904.39		39.85	39.33	39.33	21450	Valve	13075.79	Valve	7468.65	36	0.312	52					10:18	335			649									1250	Unknown		
20990	CLUSTER	YES	79904.95		0.56	38.77	39.33	21450	Valve	13076.35	Valve	7468.09	36	0.312	52	0.16	0.05	3.91	0.69	0.264583	335	1032	743	649	0.45	1.15							1250	Unknown		
20993	GirthWeld		79943.72		39.33	39.79	39.79	21460	Valve	13115.12	Valve	7429.32	36	0.312	52					0.093056	335			649									1250	Unknown		
20994	GirthWeld		79983.51		39.79	39.01	39.02	21470	Valve	13154.91	Valve	7389.53	36	0.312	52					0.145833	335			649									1250	Unknown		
20995	GirthWeld		80022.52		39.01	40.05	40.05	21480	Valve	13193.92	Valve	7350.51	36	0.312	52					1:50	335			649									1250	Unknown		
20996	MELO-CORR	YES	80026.72		4.2	35.86	40.05	21480	Valve	13198.12	Valve	7346.32	36	0.312	52	0.16	0.05	1.18	0.32	6:16	335	1069	769	649	0.44	1.19							1598	Metal Loss		
20998	CLUSTER	YES	80030.9		8.38	31.68	40.05	21480	Valve	13202.3	Valve	7342.14	36	0.312	52	0.15	0.05	2.63	0.79	0.2625	335	1052	757	649	0.44	1.17							1250	Unknown		
21001	CLUSTER	YES	80035.14		12.62	27.43	40.05	21480	Valve	13206.54	Valve	7337.9	36	0.312	52	0.15	0.05	5.99	2.14	0.259722	335	1013	729	649	0.46	1.13							1250	Unknown		
21003	MELO-CORR	YES	80036.82		14.3	25.75	40.05	21480	Valve	13208.22	Valve	7336.22	36	0.312	52	0.16	0.05	1.22	0.20	0.265278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21005	CLUSTER	YES	80037.01		14.49	25.56	40.05	21480	Valve	13208.41	Valve	7336.03	36	0.312	52	0.18	0.06	13.72	2.14	6:21	335	955	688	649	0.49	1.09							1250	Unknown		
21017	CLUSTER	YES	80038.86		16.34	23.72	40.05	21480	Valve	13210.26	Valve	7334.18	36	0.312	52	0.2	0.06	20.24	2.45	6:35	335	928	668	649	0.50	1.08							1250	Unknown		
21021	CLUSTER	YES	80039.28		16.76	23.29	40.05	21480	Valve	13210.68	Valve	7333.76	36	0.312	52	0.19	0.06	4.50	0.60	0.222222	335	1014	730	649	0.46	1.14							1250	Unknown		
21031	CLUSTER	YES	80040.53		18.01	22.05	40.05	21480	Valve	13211.93	Valve	7332.51	36	0.312	52	0.15	0.05	7.27	3.33	0.202083	335	1003	722	649	0.46	1.12							1250	Unknown		
21036	CLUSTER	YES	80040.7		18.18	21.88	40.05	21480	Valve	13212.1	Valve	7332.34	36	0.312	52	0.21	0.07	2.88	0.60	0.2875	335	1036	746	649	0.45	1.16							1250	Unknown		
21038	CLUSTER	YES	80040.74		18.22	21.83	40.05	21480	Valve	13212.14	Valve	7332.3	36	0.312	52	0.17	0.05	4.22	2.48	6:09	335	1025	738	649	0.45	1.14							1250	Unknown		
21044	CLUSTER	YES	80042.07		19.55	20.5	40.05	21480	Valve	13213.47	Valve	7330.97	36	0.312	52	0.24	0.08	15.97	5.72	6:20	335	906	652	649	0.51	1.04							1250	Unknown		
21048	CLUSTER	YES	80042.17		19.65	20.41	40.05	21480	Valve	13213.57	Valve	7330.87	36	0.312	52	0.15	0.05	3.77	0.57	0.198611	335	1036	746	649	0.45	1.15							1250	Unknown		
21062	CLUSTER	YES	80043.12		20.6	19.45	40.05	21480	Valve	13214.52	Valve	7329.92	36	0.312	52	0.17	0.05	33.68	4.65	0.225694	335	940	677	649	0.49	1.07							1250	Unknown		
21086	CLUSTER	YES	80045.78		23.26	16.79	40.05	21480	Valve	13217.18	Valve	7327.26	36	0.312	52	0.23	0.07	69.54	5.47	0.259028	335	875	630	649	0.53	1.06							1250	Unknown		
21091	CLUSTER	YES	80046.04		23.52	16.53	40.05	21480	Valve	13217.44	Valve	7327	36	0.312	52	0.21	0.07	24.64	1.67	5:31	335	915	659	649	0.51	1.08							1250	Unknown		
21120	CLUSTER	YES	80048.23		25.71	14.34	40.05	21480	Valve	13219.63	Valve	7324.81	36	0.312	52	0.16	0.05	10.40	4.93	5:14	335	980	706	649	0.47	1.09							1250	Unknown		
21146	CLUSTER	YES	80049.98		27.46	12.6	40.05	21480	Valve	13221.38	Valve	7323.06	36	0.312	52	0.23	0.07	23.96	2.89	0.229167	335	900	648	649	0.52	1.08							1250	Unknown		
21148	MELO-CORR	YES	80050.04		27.51	12.54	40.05	21480	Valve	13221.43	Valve	7323	36	0.312	52	0.16	0.05	1.18	0.16	0.295139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
21174	MELO-CORR	YES	80052.21		29.69	10.36	40.05	21480	Valve	13223.61	Valve	7320.83	36	0.312	52	0.21	0.07	1.10	0.35	0.228472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
21175	MELO-CORR	YES	80053.47		30.95	9.1	40.05	21480	Valve	13224.87	Valve	7319.57	36	0.312	52	0.16	0.05	1.14	0.16	5:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21177	CLUSTER	YES	80057.04		34.52	5.53	40.05	21480	Valve	13228.44	Valve	7316	36	0.312	52	0.18	0.06	7.61	0.63	6:12	335	984	709	649	0.47	1.10							1250	Unknown		
21180	MELO-CORR	YES	80058.07		35.54	4.51	40.05	21480	Valve	13229.46	Valve	7314.97	36	0.312	52	0.17	0.05	1.18	0.24	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21181	GirthWeld		80062.57		40.05	39.74	39.74	21490	Valve	13233.97	Valve	7310.47	36	0.312	52					0.457639	335			649									1250	Unknown		
21182	MELO-CORR	YES	80064.77		2.2	37.54	39.74	21490	Valve	13236.17	Valve	7308.27	36	0.312	52	0.2	0.06	0.91	0.20	0.211111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
21184	CLUSTER	YES	80066.25		3.68	36.06	39.74	21490	Valve	13237.65	Valve	7306.79	36	0.312	52	0.16	0.05	5.23	2.20	6:44	335	1016	731	649	0.46	1.14							1250	Unknown		
21189	CLUSTER	YES	80066.67		4.1	35.64	39.74	21490	Valve	13238.07	Valve	7306.37	36	0.312	52	0.15	0.05	4.38	3.80	5:52	335	1029	741	649	0.45	1.14							1250	Unknown		
21194	CLUSTER	YES	80066.88		4.31	35.43	39.74	21490	Valve	13238.28	Valve	7306.16	36	0.312	52	0.2	0.06	8.48	1.95	0.301389	335	966	696	649	0.48	1.11							1250	Unknown		
21198	MELO-CORR	YES	80067.53		4.96	34.78	39.74	21490	Valve	13238.93	Valve	7305.51	36	0.312	52	0.19	0.06	1.10	0.43	0.202778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21200	CLUSTER	YES	80067.56		4.99	34.75	39.74	21490	Valve	13238.96	Valve	7305.48	36	0.312	52	0.18	0.06	5.22	1.70	0.279861	335	1008	725	649	0.46	1.14							1250	Unknown		
21204	CLUSTER	YES	80068.22		5.65	34.1	39.74	21490	Valve	13239.62	Valve	7304.82	36	0.312	52	0.15	0.05	22.00	4.09	6:47	335	964	694	649	0.48	1.08							1250	Unknown		
21206	CLUSTER	YES	80068.25		5.68	34.06	39.74	21490	Valve	13239.65	Valve	7304.79	36	0.312	52	0.16	0.05	1.70	1.01	4:55	335	1063	765	649	0.44	1.18							1250	Unknown		
21208	MELO-CORR	YES	80068.39		5.82	33.92	39.74	21490	Valve	13239.79	Valve	7304.65	36	0.312	52	0.16	0.05	1.26	0.98	0.238889	335	1068	769	649	0.44	1.18							1598	Metal Loss		
21215	MELO-CORR	YES	80069.6		7.03	32.71	39.74	21490	Valve	13241	Valve	7303.44	36	0.312	52	0.15	0.05	1.10	0.16	0.322222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
21217	MELO-CORR	YES	80069.7		7.13	32.61	39.74	21490	Valve	13241.1	Valve	7303.34	36	0.312	52	0.15	0.05	1.10	0.51	0.359722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
21219	CLUSTER	YES	80069.8		7.23	32.51	39.74	21490	Valve	13241.2	Valve	7303.24	36	0.312	52	0.2	0.06	3.64	1.67	6:18	335	1024	738	649	0.45	1.15							1250	Unknown		
21222	MELO-CORR	YES	80069.89		7.32	32.42	39.74	21490	Valve	13241.29	Valve	7303.15	36	0.312	52	0.16	0.05	1.10	0.24	4:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21226	MELO-CORR	YES	80070.37		7.8	31.94	39.74	21490	Valve	13241.77	Valve	7302.67	36	0.312	52	0.16	0.05	1.10	0.24	0.285417	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21227	MELO-CORR	YES	80070.92		8.35	31.39	39.74	21490	Valve	13242.32	Valve	7302.12	36	0.312	52	0.15	0.05	1.18	0.20	0.211806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21228	MELO-CORR	YES	80074.02		11.45	28.29	39.74	21490	Valve	13245.42	Valve	7299.02	36	0.312	52	0.16	0.05	1.14	0.20	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21229	MELO-CORR	YES	80074.12		11.55	28.19	39.74	21490	Valve	13245.52	Valve	7298.92	36	0.312	52	0.15	0.05	1.18	0.28	7:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21230	MELO-CORR	YES	80074.28		11.71	28.03	39.74	21490	Valve	13245.68	Valve	7298.76	36	0.312	52	0.15	0.05	1.22	0.16	5:09	335	1069	769	649	0.44	1.19							1598	Metal Loss		
21231	MELO-CORR	YES	80075.64		13.07	26.68	39.74	21490	Valve	13247.04	Valve	7297.4	36	0.312	52	0.18	0.06	1.10	0.20	0.2	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21233	CLUSTER	YES	80076.26		13.69	26.05	39.74	21490	Valve	13247.66	Valve	7296.78	36	0.312	52	0.16	0.05	4.52	0.66	0.208333	335	1024	737	649	0.45	1.14							1250	Unknown		
21236	CLUSTER	YES	80076.76		14.19	25.56	39.74	21490	Valve	13248.16	Valve	7296.28	36	0.312	52	0.16	0.05	3.04	1.16	0.201389	335	1044	752	649	0.45	1.16							1250	Unknown		
21240	CLUSTER	YES	80077.15		14.58	25.16	39.74	21490	Valve	13248.55	Valve	7295.89	36	0.312	52	0.17	0.05	2.40	2.17	4:59	335	1052	757	649	0.44	1.17							1250	Unknown		
21244	CLUSTER	YES	80077.76		15.19	24.55	39.74	21490	Valve	13249.16	Valve	7295.28	36	0.312	52	0.2	0.06	2.87	2.67	4:54	335	1038	747	649	0.45	1.16							1250	Unknown		
21247	CLUSTER	YES	80078.3		15.73	24.01	39.74	21490	Valve	13249.7	Valve	7294.74	36	0.312	52	0.21	0.07	9.35	2.64	0.259722	335	954	687	649	0.49	1.10							1250	Unknown		
21253	MELO-CORR	YES	80079.51		16.94	22.8	39.74	21490	Valve	13250.91	Valve	7293.53	36	0.312	52	0.15	0.05	1.18	0.16	0.209722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21255	CLUSTER	YES	80080.06		17.49	22.25	39.74	21490	Valve	13251.46	Valve	7292.98	36	0.312	52	0.2	0.06	6.08	3.52	0.227083	335	988	712	649	0.47	1.13							1250

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
21316	MELO-CORR	YES	80089.17		26.6	13.14	39.74	21490	Valve	13260.57	Valve	7283.87	36	0.312	52	0.15	0.05	1.02	0.20	6:18	335	1070	771	649	0.43	1.19							1598	Metal Loss		
21319	MELO-CORR	YES	80089.49		26.92	12.82	39.74	21490	Valve	13260.89	Valve	7283.55	36	0.312	52	0.21	0.07	1.22	0.51	8:11	335	1066	767	649	0.44	1.18							1598	Metal Loss		
21321	MELO-CORR	YES	80089.79		27.22	12.52	39.74	21490	Valve	13261.19	Valve	7283.25	36	0.312	52	0.27	0.08	1.26	0.75	0.256944	335	1062	764	649	0.44	1.18							1598	Metal Loss		
21323	CLUSTER	YES	80090.2		27.63	12.11	39.74	21490	Valve	13261.6	Valve	7282.84	36	0.312	52	0.16	0.05	12.06	4.12	0.213889	335	974	701	649	0.48	1.10							1250	Unknown		
21326	CLUSTER	YES	80090.44		27.87	11.87	39.74	21490	Valve	13261.84	Valve	7282.6	36	0.312	52	0.28	0.09	26.04	4.24	0.269444	335	858	618	649	0.54	1.06							1250	Unknown		
21335	MELO-CORR	YES	80090.77		28.2	11.54	39.74	21490	Valve	13262.17	Valve	7282.26	36	0.312	52	0.16	0.05	1.18	0.20	7:41	335	1069	769	649	0.44	1.19							1598	Metal Loss		
21344	MELO-CORR	YES	80091.52		28.95	10.79	39.74	21490	Valve	13262.92	Valve	7281.52	36	0.312	52	0.22	0.07	1.18	0.20	5:28	335	1066	767	649	0.44	1.18							1598	Metal Loss		
21355	CLUSTER	YES	80092.89		30.32	9.43	39.74	21490	Valve	13264.29	Valve	7280.15	36	0.312	52	0.17	0.05	4.80	3.30	0.275694	335	1017	732	649	0.46	1.14							1250	Unknown		
21357	CLUSTER	YES	80092.96		30.39	9.35	39.74	21490	Valve	13264.36	Valve	7280.08	36	0.312	52	0.2	0.06	4.39	0.85	0.259722	335	1011	728	649	0.46	1.13							1250	Unknown		
21365	CLUSTER	YES	80093.57		31	8.74	39.74	21490	Valve	13264.97	Valve	7279.46	36	0.312	52	0.26	0.08	7.96	5.28	0.270833	335	935	674	649	0.50	1.11							1250	Unknown		
21372	CLUSTER	YES	80094.72		32.15	7.59	39.74	21490	Valve	13266.12	Valve	7278.32	36	0.312	52	0.17	0.05	11.53	1.35	6:17	335	969	698	649	0.48	1.10							1250	Unknown		
21378	MELO-CORR	YES	80096.8		34.23	5.51	39.74	21490	Valve	13268.2	Valve	7276.24	36	0.312	52	0.17	0.05	1.10	0.20	5:31	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21379	MELO-CORR	YES	80097.76		35.19	4.55	39.74	21490	Valve	13269.16	Valve	7275.28	36	0.312	52	0.17	0.05	1.18	0.35	0.220833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21381	CLUSTER	YES	80098.6		36.03	3.71	39.74	21490	Valve	13270	Valve	7274.44	36	0.312	52	0.15	0.05	1.67	0.72	0.222917	335	1064	766	649	0.44	1.18							1250	Unknown		
21383	MELO-CORR	YES	80098.91		36.34	3.4	39.74	21490	Valve	13270.31	Valve	7274.13	36	0.312	52	0.16	0.05	1.22	0.24	0.238889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21384	MELO-CORR	YES	80099.98		37.41	2.33	39.74	21490	Valve	13271.38	Valve	7273.06	36	0.312	52	0.15	0.05	1.18	0.39	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21385	GirthWeld		80102.31		39.74	39.95	39.95	21500	Valve	13273.71	Valve	7270.73	36	0.312	52					1:24	335			649									1250	Unknown		
21386	MELO-CORR	YES	80105.37		3.06	36.89	39.95	21500	Valve	13276.77	Valve	7267.67	36	0.312	52	0.15	0.05	1.18	0.20	0.213194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21388	CLUSTER	YES	80106.34		4.03	35.92	39.95	21500	Valve	13277.74	Valve	7266.7	36	0.312	52	0.16	0.05	4.61	0.41	0.2875	335	1023	737	649	0.45	1.14							1250	Unknown		
21390	MELO-CORR	YES	80119.72		17.41	22.55	39.95	21500	Valve	13291.12	Valve	7253.32	36	0.312	52	0.16	0.05	1.10	0.39	0.280556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21391	MELO-CORR	YES	80120.28		17.97	21.98	39.95	21500	Valve	13291.68	Valve	7252.76	36	0.312	52	0.21	0.07	1.10	0.47	5:49	335	1067	768	649	0.44	1.18							1598	Metal Loss		
21392	GirthWeld		80142.26		39.96	39.71	39.7	21510	Valve	13313.66	Valve	7230.77	36	0.312	52					3:18	335			649									1250	Unknown		
21393	GirthWeld		80181.97		39.71	39.85	39.85	21520	Valve	13353.37	Valve	7191.07	36	0.312	52					0:45	335			649									1250	Unknown		
21394	GirthWeld		80221.82		39.85	39.84	39.84	21530	Valve	13393.22	Valve	7151.22	36	0.312	52					0.385417	335			649									1250	Unknown		
21395	GirthWeld		80261.66		39.84	39.75	39.75	21540	Valve	13433.06	Valve	7111.38	36	0.312	52					0.070833	335			649									1250	Unknown		
21396	GirthWeld		80301.41		39.75	38.69	38.69	21550	Valve	13472.81	Valve	7071.63	36	0.312	52					12:44	335			649									1250	Unknown		
21397	GirthWeld		80340.1		38.69	39.81	39.81	21560	Valve	13511.5	Valve	7032.94	36	0.312	52					11:34	335			649									1250	Unknown		
21398	GirthWeld		80379.91		39.81	39.78	39.78	21570	Valve	13551.31	Valve	6993.13	36	0.312	52					0.430556	335			649									1250	Unknown		
21399	MELO-CORR	YES	80407.3		27.39	12.39	39.78	21570	Valve	13578.7	Valve	6965.74	36	0.312	52	0.15	0.05	1.22	0.43	0.246528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
21400	GirthWeld		80419.69		39.78	38.14	38.14	21580	Valve	13591.09	Valve	6953.35	36	0.312	52					0.527778	335			649									1250	Unknown		
21401	GirthWeld		80457.83		38.14	39.38	39.38	21590	Valve	13629.23	Valve	6915.21	36	0.312	52					2:16	335			649									1250	Unknown		
21402	GirthWeld		80497.21		39.38	39.88	39.88	21600	Valve	13668.61	Valve	6875.83	36	0.312	52					9:30	335			649									1250	Unknown		
21404	CLUSTER	YES	80501.49		4.28	35.6	39.88	21600	Valve	13672.89	Valve	6871.55	36	0.312	52	0.17	0.05	7.34	1.04	0.243056	335	992	714	649	0.47	1.11							1250	Unknown		
21409	CLUSTER	YES	80526.84		29.63	10.25	39.88	21600	Valve	13698.24	Valve	6846.2	36	0.312	52	0.31	0.10	7.09	2.80	0.245833	335	916	660	649	0.51	1.06							1250	Unknown		
21418	CLUSTER	YES	80528.35		31.14	8.74	39.88	21600	Valve	13699.75	Valve	6844.69	36	0.312	52	0.23	0.07	6.47	0.91	0.253472	335	969	698	649	0.48	1.12							1250	Unknown		
21423	CLUSTER	YES	80528.99		31.78	8.1	39.88	21600	Valve	13700.39	Valve	6844.05	36	0.312	52	0.2	0.06	1.49	0.85	6:05	335	1062	765	649	0.44	1.18							1250	Unknown		
21425	MELO-CORR	YES	80529.46		32.25	7.63	39.88	21600	Valve	13700.86	Valve	6843.58	36	0.312	52	0.15	0.05	1.14	0.16	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21426	GirthWeld		80537.09		39.88	39.79	39.79	21610	Valve	13708.49	Valve	6835.95	36	0.312	52					0.443056	335			649									1250	Unknown		
21427	MELO-CORR	YES	80547.04		9.95	29.84	39.79	21610	Valve	13718.44	Valve	6826	36	0.312	52	0.15	0.05	1.38	0.59	0.24375	335	1067	768	649	0.44	1.18							1598	Metal Loss		
21428	GirthWeld		80576.88		39.79	39.94	39.94	21620	Valve	13748.28	Valve	6796.16	36	0.312	52					0.114583	335			649									1250	Unknown		
21430	CLUSTER	YES	80578.18		1.3	38.64	39.94	21620	Valve	13749.58	Valve	6794.86	36	0.312	52	0.23	0.07	5.51	1.20	5:33	335	982	707	649	0.47	1.12							1250	Unknown		
21433	MELO-CORR	YES	80578.82		1.94	37.99	39.94	21620	Valve	13750.22	Valve	6794.22	36	0.312	52	0.19	0.06	1.10	0.28	4:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21435	CLUSTER	YES	80587.55		10.67	29.26	39.94	21620	Valve	13758.95	Valve	6785.49	36	0.312	52	0.32	0.10	5.23	2.89	0.2375	335	944	680	649	0.49	1.09							1250	Unknown		
21439	CLUSTER	YES	80588.83		11.95	27.99	39.94	21620	Valve	13760.23	Valve	6784.21	36	0.312	52	0.17	0.05	4.54	0.76	0.245833	335	1020	735	649	0.46	1.14							1250	Unknown		
21441	MELO-CORR	YES	80589.67		12.79	27.14	39.94	21620	Valve	13761.07	Valve	6783.37	36	0.312	52	0.19	0.06	1.22	0.24	0.238889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
21443	CLUSTER	YES	80590.38		13.5	26.43	39.94	21620	Valve	13761.78	Valve	6782.66	36	0.312	52	0.25	0.08	5.20	1.01	5:44	335	978	704	649	0.48	1.12							1250	Unknown		
21447	CLUSTER	YES	80592.02		15.14	24.8	39.94	21620	Valve	13763.42	Valve	6781.02	36	0.312	52	0.15	0.05	4.33	1.73	5:48	335	1030	741	649	0.45	1.14							1250	Unknown		
21450	CLUSTER	YES	80594.14		17.26	22.68	39.94	21620	Valve	13765.54	Valve	6778.9	36	0.312	52	0.23	0.07	2.80	1.16	0.252083	335	1033	744	649	0.45	1.16							1250	Unknown		
21453	CLUSTER	YES	80594.67		17.79	22.15	39.94	21620	Valve	13766.07	Valve	6778.37	36	0.312	52	0.17	0.05	7.93	2.61	0.238194	335	987	711	649	0.47	1.11							1250	Unknown		
21458	CLUSTER	YES	80595.54		18.66	21.27	39.94	21620	Valve	13766.94	Valve	6777.5	36	0.312	52	0.21	0.07	9.24	4.65	0.238889	335	955	688	649	0.49	1.09							1250	Unknown		
21471	CLUSTER	YES	80597.2		20.32	19.61	39.94	21620	Valve	13768.6	Valve	6775.84	36	0.312	52	0.22	0.07	7.64	5.12	5:39	335	962	693	649	0.48	1.11							1250	Unknown		
21479	CLUSTER	YES	80597.9		21.02	18.92	39.94	21620	Valve	13769.3	Valve	6775.14	36	0.312	52	0.37	0.12	20.66	6.79	5:36	335	792	571	649	0.59	1.01							1250	Unknown		
21509	CLUSTER	YES	80599.79		22.9	17.03	39.94	21620	Valve	13771.18	Valve	6773.25	36	0.312	52	0.27	0.08	4.09	2.70	0.236806	335	992	714	649	0.47	1.12							1250	Unknown		
21514	CLUSTER	YES	80600.24		23.36	16.58	39.94	21620	Valve	13771.64	Valve	6772.8	36	0.312	52	0.28	0.09	5.56	2.14	0.236806	335	958	690	649	0.49	1.09							1250	Unknown		
21520	CLUSTER	YES	80601.31		24.43	15.51	39.94	21620	Valve	13772.71	Valve	6771.73	36	0.312	52	0.15	0.05	6.32	0.76	0.24375	335	1010	727	649	0.46	1.13							1250	Unknown		
21523	CLUSTER	YES	80606.75		29.87	10.07	39.94	21620	Valve	13778.15	Valve	6766.29	36	0.312	52	0.17	0.05	6.13	1.23	6:23	335	1002	721	649	0.46	1.12							1250	Unknown		
21525	CLUSTER	YES	80606.89		30.01	9.93	39.94	21620	Valve	13778.29	Valve	6766.15	36	0.312	52	0.2	0.06	30.73	2.01	5:37	335	918	661	649	0.51	1.06							1250	Unknown		
21534	MELO-CORR	YES	80607.88		31	8.93	39.94	21620	Valve	13779.28	Valve	6765.16	36	0.312	52	0.18	0.06	1.14	1.02	0.263194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
21540	CLUSTER	YES	80608.21		31.33	8.6	39.94	21620	Valve	13779.61	Valve	6764.83	36	0.312	52	0.23	0.07	24.42	3.46	0.261806	335	900	648	649	0.52	1.06							1250	Unknown		
21568	CLUSTER	YES	80609.57		32.69	7.25	39.94	21620	Valve	13780.97	Valve	6763.47	36	0.312	52	0.3	0.09	85.54	10.93	0.227083	335	809	583	649	0.57	1.02							1250	Unknown		
21657	MELO-CORR	YES	80614.87		37.99	1.94	39.94	21620	Valve	13786.27	Valve	6758.17	36	0.312	52	0.22	0.07	1.18	0.20	5:36	335	1066	767	649	0.44	1.18							1598	Metal Loss		
21693	GirthWeld		80616.82		39.94	39.85	39.85	21630	Valve	13788.22	Valve	6756.22	36	0.312	52					1:50	335			649									1250	Unknown		
21695	CLUSTER	YES	80619.47		2.65	37.2	39.85	21630	Valve	13790.87	Valve	6753.57	36	0.312	52	0.15	0.05	6.85	1.42	0.243056	335	1006	724	649	0.46	1.12							1250	Unknown		
21698	CLUSTER	YES	80623.26		6.44	33.41	39.85	21630	Valve	13794.66	Valve	6749.78	36	0.312	52	0.22	0.07	14.18	2.52	0.263889	335	926	666	649	0.50	1.07							1250	Unknown		
21705	CLUSTER	YES	80623.47		6.65	33.19	39.85	21630	Valve	13794.87	Valve	6749.57	36	0.312	52	0.25	0.08	60.76	6.88	0.225694	335	860	619	649	0.54	1.04							1250	Unknown		
21723	CLUSTER	YES	80624.86		8.04	31.81	39.85	21630	Valve	13796.26	Valve	6748.18	36	0.312	52	0.35	0.11	23.69	3.55	6:16	335	804	579	649	0.58	1.02							1250	Unknown		
21767	CLUSTER	YES	80631		14.18	25.67	39.85	21630	Valve	13802.4	Valve	6742.04	36	0.312	52	0.18	0.06	9.30	2.08	6:15	335	973	701	649	0.48	1.11							1250	Unknown		
21773	CLUSTER	YES	80637.73		20.91	18.94	39.85	21630	Valve	13809.13	Valve	6735.31	36	0.312	52	0.15	0.05	8.59	1.60	0.263889	335	995	716	649	0.47	1.11							1250	Unknown		
21778	CLUSTER	YES	80640.97		24.15	15.69	39.85	21630	Valve	13812.37	Valve	6732.07	36	0.312	52	0.25	0.08	3.82	0.32	0.238194	335	1005	724	649	0.46	1.15							1250	Unknown		
21781	CLUSTER	YES	80641.49		24.67	15.18	39.85	21630	Valve	13812.89	Valve	6731.55	36	0.312	52	0.2	0.06	4.16	0.60	0.2375	335	1015	731	649	0.46	1.14							1250	Unknown		
21785	CLUSTER	YES	80642.18		25.36	14.49	39.85	21630	Valve	13813.58	Valve	6730.86	36	0.312	52	0.18	0.06	4.52	1.10	5:38	335	1017	732	649	0.46	1.14							1250	Unknown		
21788	CLUSTER	YES	80644.41		27.59	12.26	39.85	21630	Valve	13815.81	Valve	6728.63	36	0.312	52	0.15	0.05	5.68	0.91	6:23	335	1016	731	649	0.46	1.13							1250	Unknown		
21791	GirthWeld		80656.67		39.85	39.5	39.5	21640	Valve	13828.07	Valve	6716.37	36	0.312	52					0.429167	335			649									1250	Unknown		
21792	GirthWeld		80696.17		39.5	39.77	39.77	21650	Valve	13867.57	Valve	6676.87	36	0.312	52					0.398611	335			649									1250	Unknown		
21793	GirthWeld		80735.94		39.77	39.88	39.88	21660	Valve	13907.34	Valve	6637.1	36	0.312	52					0.527778	335			649									1250	Unknown		
21794	GirthWeld		80775.82		39.88	39.78	39.78	21670	Valve	13947.22	Valve	6597.22	36	0.312	52					2:02	335			649									1250	Unknown		
21795	GirthWeld		80815.6		39.78	38.9	38.89	21680	Valve	13987	Valve	6557.43	36	0.312	52					12:40	335			649									1250	Unknown		
21796	GirthWeld		80854.5		38.9	39.78	39.78	21690	Valve	14025.9	Valve	6518.54	36	0.312	52					0.481944	335			649									1250	Unknown		
21797	GirthWeld		80894.28		39.78	39.26	39.26	21700	Valve	14065.68	Valve	6478.76	36	0.312	52					0.379167	335			649									1250	Unknown		
21799	CLUSTER	YES	80900.96		6.68	32.57	39.26	21700	Valve	14072.36	Valve	6472.08	36	0.312	52	0.2	0.06	6.98	1.04	0.245139	335	979	705	649	0.48	1.11							1250	Unknown		
21803	CLUSTER	YES	80916.02		21.74	17.52	39.26	21700	Valve	14087.42	Valve	6457.02	36	0.312	52	0.23	0.07	7.08	1.92	6:03	335	962	693	649	0.48	1.10							1250	Unknown		
21807	GirthWeld		80933.54		39.26	35.21	35.22	21710	Valve	14104.93	Valve	6439.5	36	0.312	52					10:32	335			649									1250	Unknown		
21808	GirthWeld		80968.75		35.21	39.91	39.9	21720	Valve	14140.15	Valve	6404.29	36	0.312	52					0.511111	335			649									1250	Unknown		
21809	GirthWeld		81008.66		39.91	39.44	39.44	21730	Valve	14180.06	Valve	6364.38	36	0.312	52					0.077778	335			649									1250	Unknown		
21810	GirthWeld		81048.1		39.43	22.9	22.9	21740	Valve	14219.49	Valve	6324.94	36	0.312	52					0.523611	335			649									1250	Unknown		
21811	GirthWeld		81070.99		22.89	39.8	39.8	21750	Valve	14242.39	Valve	6302.05	36	0.312	52					2:00	335			649									1250	Unknown		
21813	CLUSTER	YES	81081.63		10.64	29.16	39.8	21750	Valve	14253.03	Valve	6291.41	36	0.312	52	0.15	0.05	1.30	1.20	6:03	335	1068	769	649	0.44	1.18							1250	Unknown		
21815	GirthWeld		81110.79		39.8	21.97	21.97	21760	Valve	14282.19	Valve	6262.25	36	0.312	52					0.408333	335			649									1250	Unknown		
21816	GirthWeld		81132.76		21.97	10.49	10.49	21770	Valve	14304.16	Valve	6240.28	36	0.312	52					0.377778	335			649									1250	Unknown		
21817	GirthWeld		81143.25		10.49	38.54	38.53	21780	Valve	14314.65	Valve	6229.79	36	0.312	52					0.445833	335			649									1250	Unknown		
21818	GirthWeld		81181.79		38.54	39.79	39.79	21790	Valve	14353.19	Valve	6191.25	36	0.312	52					12:14	335			649									1250	Unknown		
21819	GirthWeld		81221.58		39.79	38.52	38.52	21800	Valve	14392.98	Valve	6151.46	36	0.312	52					1:32	335			649									1250	Unknown		
21820	GirthWeld		81260.1		38.52	39.7	39.7	21810	Valve	14431.5	Valve	6112.94	36	0.312	52					0.358333	335			649									1250	Unknown		
21821	GirthWeld		81299.8		39.7	39.79	39.79	21820	Valve	14471.2	Valve	6073.24	36	0.312	52					0.411111	335			649									1250	Unknown		
21822	GirthWeld		81339.59		39.79	39.93	39.92	21830	Valve	14510.99	Valve	6033.45	36	0.312	52					0.083333	335			649									1250	Unknown		
21823	GirthWeld		81379.52		39.93	39.74	39.75	21840	Valve	14550.92	Valve	5993.52	36	0.312	52					3:50	335			649									1250	Unknown		
21824	AS_Casing		81390.47		10.95	28.79	39.75	21840	Valve	14561.87	Valve	5982.57	36	0.312	52						335			649									1590	Casing		
21825	GirthWeld		81419.26		39.74	39.85	39.84	21850	Valve	14590.66	Valve	5953.78	36	0.312	52					0.427778	335			649									1250	Unknown		
21826	GirthWeld		81459.11		39.85	39.36	39.36	21860	Valve	14630.51	Valve	5913.93	36	0.312	52					0.473611	335			649									1250	Unknown		
21827	GirthWeld		81498.47		39.36	39.88	39.89	21870	Valve	14669.87	Valve	5874.57	36	0.312	52					0.090278	335			649									1250	Unknown		
21828	MELO-CORR	YES	81527.1		28.63	11.25	39.89	21870	Valve	14698.5	Valve	5845.93	36	0.312	52	0.15	0.05	1.06	0.47	5:44	335	1070	770	649	0.43	1.19							1598	Metal Loss		
21829	MELO-CORR	YES	81531.31		32.84	7.04	39.89	21870	Valve	14702.71	Valve	5841.73	36	0.312	52	0.15	0.05	1.10	0.20	5:40	335	1070	770	649	0.43	1.19							1598	Metal Loss		
21831	CLUSTER	YES	81536.72		38.25	1.63	39.89	21870	Valve	14708.12	Valve	5836.32	36	0.312	52	0.27	0.08	7.80	0.82	0.256944	335	931	670	649	0.50	1.06							1250	Unknown		
21834	GirthWeld		81538.35		39.88	39.88	39.87	21880	Valve	14709.75	Valve	5834.68	36	0.312	52					0.048611	335			649									1250	Unknown		
21835	MELO-CORR	YES	81542.41		4.06	35.82	39.87	21880	Valve	14713.81	Valve	5830.63	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
21913	MELO-CORR	YES	81565.74		27.39	12.49	39.87	21880	Valve	14737.14	Valve	5807.3	36	0.312	52	0.15	0.05	1.14	0.20	7:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21914	MELO-CORR	YES	81573.13		34.78	5.1	39.87	21880	Valve	14744.53	Valve	5799.91	36	0.312	52	0.15	0.05	1.18	0.20	4:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
21915	GirthWeld		81578.23		39.88	39.38	39.38	21890	Valve	14749.63	Valve	5794.81	36	0.312	52					0.427778	335			649									1250	Unknown		
21917	CLUSTER	YES	81582.94		4.71	34.67	39.38	21890	Valve	14754.34	Valve	5790.1	36	0.312	52	0.15	0.05	5.53	1.04	0.255556	335	1017	732	649	0.46	1.13							1250	Unknown		
21921	CLUSTER	YES	81585.4		7.17	32.21	39.38	21890	Valve	14756.79	Valve	5787.64	36	0.312	52	0.24	0.08	16.87	1.32	0.260417	335	903	650	649	0.52	1.07							1250	Unknown		
21924	CLUSTER	YES	81586.17		7.94	31.44	39.38	21890	Valve	14757.57	Valve	5786.87	36	0.312	52	0.31	0.10	24.13	2.42	5:32	335	836	602	649	0.56	1.04							1250	Unknown		
21933	CLUSTER	YES	81586.95		8.72	30.66	39.38	21890	Valve	14758.35	Valve	5786.09	36	0.312	52	0.19	0.06	9.43	0.91	6:21	335	966	696	649	0.48	1.10							1250	Unknown		
21946	CLUSTER	YES	81588.33		10.1	29.28	39.38	21890	Valve	14759.73	Valve	5784.71	36	0.312	52	0.23	0.07	31.81	7.20	0.247917	335	893	643	649	0.52	1.07							1250	Unknown		
21955	CLUSTER	YES	81589.37		11.14	28.24	39.38	21890	Valve	14760.77	Valve	5783.67	36	0.312	52	0.2	0.06	50.03	8.07	0.222917	335	907	653	649	0.51	1.07							1250	Unknown		
21978	CLUSTER	YES	81590.56		12.33	27.05	39.38	21890	Valve	14761.96	Valve	5782.48	36	0.312	52	0.21	0.07	17.54	4.71	0.260417	335	925	666	649	0.50	1.08							1250	Unknown		
22014	CLUSTER	YES	81594.26		16.03	23.35	39.38	21890	Valve	14765.66	Valve	5778.78	36	0.312	52	0.16	0.05	4.60	1.26	4:35	335	1023	737	649	0.45	1.14							1250	Unknown		
22017	CLUSTER	YES	81595.6		17.37	22.01	39.38	21890	Valve	14766.99	Valve	5777.44	36	0.312	52	0.17	0.05	12.97	1.60	6:23	335	964	694	649	0.48	1.10							1250	Unknown		
22021	GirthWeld		81617.61		39.38	39.76	39.76	21900	Valve	14789.01	Valve	5755.43	36	0.312	52					0.484722	335			649									1250	Unknown		
22022	GirthWeld		81657.37		39.76	39.54	39.54	21910	Valve	14828.77	Valve	5715.67	36	0.312	52					0.15	335			649									1250	Unknown		
22023	MELO-CORR	YES	81673.27		15.9	23.64	39.54	21910	Valve	14844.67	Valve	5699.77	36	0.312	52	0.17	0.05	1.10	0.20	0.180556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22024	GirthWeld		81696.91		39.54	39.81	39.82	21920	Valve	14868.31	Valve	5676.13	36	0.312	52					2:18	335			649									1250	Unknown		
22025	GirthWeld		81736.72		39.81	39.88	39.88	21930	Valve	14908.12	Valve	5636.32	36	0.312	52					10:28	335			649									1250	Unknown		
22026	GirthWeld		81776.6		39.88	39.65	39.65	21940	Valve	14948	Valve	5596.44	36	0.312	52					0.475	335			649									1250	Unknown		
22027	GirthWeld		81816.25		39.65	39.49	39.49	21950	Valve	14987.65	Valve	5556.79	36	0.312	52					0.519444	335			649									1250	Unknown		
22028	GirthWeld		81855.74		39.49	39.74	39.74	21960	Valve	15027.14	Valve	5517.3	36	0.312	52					0.070833	335			649									1250	Unknown		
22030	CLUSTER	YES	81859.72		3.98	35.76	39.74	21960	Valve	15031.12	Valve	5513.32	36	0.312	52	0.27	0.08	7.02	3.77	5:46	335	941	677	649	0.49	1.10							1250	Unknown		
22037	CLUSTER	YES	81872.3		16.56	23.19	39.74	21960	Valve	15043.7	Valve	5500.74	36	0.312	52	0.23	0.07	8.74	1.89	5:42	335	946	681	649	0.49	1.10							1250	Unknown		
22045	CLUSTER	YES	81875.06		19.32	20.42	39.74	21960	Valve	15046.46	Valve	5497.98	36	0.312	52	0.21	0.07	16.61	4.24	0.244444	335	926	667	649	0.50	1.07							1250	Unknown		
22058	CLUSTER	YES	81880.8		25.06	14.68	39.74	21960	Valve	15052.2	Valve	5492.24	36	0.312	52	0.16	0.05	7.03	1.20	0.256944	335	999	719	649	0.47	1.12							1250	Unknown		
22063	CLUSTER	YES	81883.05		27.31	12.44	39.74	21960	Valve	15054.45	Valve	5489.99	36	0.312	52	0.15	0.05	6.79	1.60	0.258333	335	1006	724	649	0.46	1.12							1250	Unknown		
22066	MELO-CORR	YES	81886.61		30.87	8.88	39.74	21960	Valve	15058.01	Valve	5486.43	36	0.312	52	0.15	0.05	1.18	0.39	5:38	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22068	CLUSTER	YES	81887.39		31.65	8.09	39.74	21960	Valve	15058.79	Valve	5485.65	36	0.312	52	0.16	0.05	3.31	1.26	6:10	335	1040	749	649	0.45	1.16							1250	Unknown		
22071	CLUSTER	YES	81893.04		37.3	2.44	39.74	21960	Valve	15064.44	Valve	5480	36	0.312	52	0.21	0.07	4.63	2.42	0.255556	335	1004	723	649	0.46	1.14							1250	Unknown		
22074	GirthWeld		81895.48		39.74	39.84	39.84	21970	Valve	15066.88	Valve	5477.56	36	0.312	52					0.477778	335			649									1250	Unknown		
22076	CLUSTER	YES	81896.45		0.97	38.87	39.84	21970	Valve	15067.85	Valve	5476.59	36	0.312	52	0.15	0.05	1.79	1.64	0.232639	335	1063	765	649	0.44	1.18							1250	Unknown		
22079	CLUSTER	YES	81898.96		3.48	36.36	39.84	21970	Valve	15070.36	Valve	5474.08	36	0.312	52	0.22	0.07	1.74	0.60	5:37	335	1057	761	649	0.44	1.17							1250	Unknown		
22081	MELO-CORR	YES	81901.17		5.69	34.15	39.84	21970	Valve	15072.57	Valve	5471.87	36	0.312	52	0.17	0.05	1.10	0.39	4:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22083	CLUSTER	YES	81904.78		9.3	30.54	39.84	21970	Valve	15076.18	Valve	5468.26	36	0.312	52	0.23	0.07	26.78	6.13	0.232639	335	897	646	649	0.52	1.07							1250	Unknown		
22101	CLUSTER	YES	81907.21		11.73	28.11	39.84	21970	Valve	15078.61	Valve	5465.83	36	0.312	52	0.16	0.05	1.34	0.82	0.251389	335	1067	768	649	0.44	1.18							1250	Unknown		
22103	MELO-CORR	YES	81923.66		28.18	11.66	39.84	21970	Valve	15095.06	Valve	5449.38	36	0.312	52	0.15	0.05	0.91	0.55	0.246528	335	1071	771	649	0.43	1.19							1598	Metal Loss		
22105	CLUSTER	YES	81923.7		28.22	11.62	39.84	21970	Valve	15095.1	Valve	5449.34	36	0.312	52	0.15	0.05	6.23	2.20	5:29	335	1011	728	649	0.46	1.13							1250	Unknown		
22110	GirthWeld		81935.32		39.84	39.71	39.71	21980	Valve	15106.72	Valve	5437.72	36	0.312	52					10:00	335			649									1250	Unknown		
22112	CLUSTER	YES	81935.47		0.15	39.56	39.71	21980	Valve	15106.87	Valve	5437.57	36	0.312	52	0.26	0.08	27.76	7.86	0.235417	335	872	628	649	0.53	1.07							1250	Unknown		
22136	MELO-CORR	YES	81949.57		14.25	25.46	39.71	21980	Valve	15120.97	Valve	5423.47	36	0.312	52	0.23	0.07	0.91	0.20	0.196528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22137	MELO-CORR	YES	81949.63		14.31	25.4	39.71	21980	Valve	15121.03	Valve	5423.41	36	0.312	52	0.18	0.06	1.22	0.16	0.282639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
22139	CLUSTER	YES	81950.38		15.06	24.65	39.71	21980	Valve	15121.78	Valve	5422.66	36	0.312	52	0.17	0.05	7.84	1.89	4:26	335	988	711	649	0.47	1.12							1250	Unknown		
22143	MELO-CORR	YES	81951.34		16.02	23.69	39.71	21980	Valve	15122.74	Valve	5421.7	36	0.312	52	0.17	0.05	1.18	0.63	7:23	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22145	CLUSTER	YES	81953.52		18.2	21.51	39.71	21980	Valve	15124.92	Valve	5419.52	36	0.312	52	0.16	0.05	4.97	1.92	0.314583	335	1019	734	649	0.46	1.14							1250	Unknown		
22148	MELO-CORR	YES	81954.21		18.89	20.82	39.71	21980	Valve	15125.61	Valve	5418.83	36	0.312	52	0.15	0.05	1.18	0.20	0.307639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22150	CLUSTER	YES	81956.7		21.38	18.33	39.71	21980	Valve	15128.1	Valve	5416.34	36	0.312	52	0.15	0.05	3.61	0.57	0.191667	335	1038	748	649	0.45	1.15							1250	Unknown		
22153	CLUSTER	YES	81957.11		21.79	17.93	39.71	21980	Valve	15128.51	Valve	5415.93	36	0.312	52	0.19	0.06	6.88	2.39	4:27	335	985	709	649	0.47	1.12							1250	Unknown		
22158	CLUSTER	YES	81959.12		23.8	15.91	39.71	21980	Valve	15130.52	Valve	5413.92	36	0.312	52	0.17	0.05	1.36	0.79	7:32	335	1066	768	649	0.44	1.18							1250	Unknown		
22161	CLUSTER	YES	81959.46		24.14	15.57	39.71	21980	Valve	15130.86	Valve	5413.58	36	0.312	52	0.16	0.05	3.53	1.67	0.313194	335	1037	746	649	0.45	1.16							1250	Unknown		
22164	MELO-CORR	YES	81960.03		24.71	15	39.71	21980	Valve	15131.43	Valve	5413.01	36	0.312	52	0.24	0.08	0.91	0.35	0.317361	335	1069	769	649	0.44	1.19							1598	Metal Loss		
22166	CLUSTER	YES	81960.15		24.83	14.88	39.71	21980	Valve	15131.55	Valve	5412.89	36	0.312	52	0.16	0.05	1.87	2.11	0.180556	335	1060	763	649	0.44	1.18							1250	Unknown		
22168	MELO-CORR	YES	81960.44		25.12	14.59	39.71	21980	Valve	15131.84	Valve	5412.6	36	0.312	52	0.16	0.05	1.06	0.16	7:40	335	1070	770	649	0.44	1.19							1598	Metal Loss		
22169	MELO-CORR	YES	81961.76		26.44	13.27	39.71	21980	Valve	15133.16	Valve	5411.28	36	0.312	52	0.15	0.05	1.22	0.28	5:53	335	1069	769	649	0.44	1.19							1598	Metal Loss		
22170	MELO-CORR	YES	81962.62		27.3	12.41	39.71	21980	Valve	15134.02	Valve	5410.42	36	0.312	52	0.15	0.05	1.14	0.16	0.325	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22171	MELO-CORR	YES	81962.74		27.42	12.29	39.71	21980	Valve	15134.14	Valve	5410.29	36	0.312	52	0.17	0.05	1.10	0.16	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22173	CLUSTER	YES	81964.2		28.88	10.83	39.71	21980	Valve	15135.6	Valve	5408.84	36	0.312	52	0.22	0.07	4.09	2.67	0.3125	335	1010	727	649	0.46	1.14							1250	Unknown		
22178	CLUSTER	YES	81966.03		30.71	9	39.71	21980	Valve	15137.43	Valve	5407.01	36	0.312	52	0.16	0.05	2.93	1.48	7:37	335	1046	753	649	0.44	1.16							1250	Unknown		
22181	CLUSTER	YES	81966.59		31.27	8.44	39.71	21980	Valve	15137.99	Valve	5406.45	36	0.312	52	0.25	0.08	5.09	1.01	4:28	335	980	706	649	0.47	1.13							1250	Unknown		
22184	CLUSTER	YES	81966.81		31.49	8.22	39.71	21980	Valve	15138.21	Valve	5406.23	36	0.312	52	0.23	0.07	6.00	1.95	0.315972	335	975	702	649	0.48	1.12							1250	Unknown		
22188	MELO-CORR	YES	81970.98		35.66	4.05	39.71	21980	Valve	15142.38	Valve	5402.06	36	0.312	52	0.17	0.05	1.10	0.43	0.31875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22190	CLUSTER	YES	81973.5		38.18	1.53	39.71	21980	Valve	15144.9	Valve	5399.54	36	0.312	52	0.38	0.12	18.46	4.37	0.242361	335	790	568	649	0.59	0.90							1250	Unknown		
22196	MELO-CORR	YES	81974.19		38.87	0.84	39.71	21980	Valve	15145.59	Valve	5398.85	36	0.312	52	0.15	0.05	1.30	0.67	4:21	335	1068	769	649	0.44	1.18							1598	Metal Loss		
22200	GirthWeld		81975.03		39.71	18.09	18.08	21990	Valve	15146.43	Valve	5398.01	36	0.312	52					11:29	335			649									1250	Unknown		
22202	CLUSTER	YES	81975.56		0.53	17.55	18.08	21990	Valve	15146.96	Valve	5397.48	36	0.312	52	0.17	0.05	8.92	2.20	0.246528	335	981	707	649	0.47	1.10							1250	Unknown		
22208	MELO-CORR	YES	81984.87		9.84	8.25	18.08	21990	Valve	15156.27	Valve	5388.17	36	0.312	52	0.15	0.05	1.14	0.39	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22210	CLUSTER	YES	81986.07		11.04	7.04	18.08	21990	Valve	15157.47	Valve	5386.97	36	0.312	52	0.19	0.06	3.83	0.63	0.238194	335	1024	737	649	0.45	1.15							1250	Unknown		
22213	CLUSTER	YES	81990.71		15.68	2.41	18.08	21990	Valve	15162.11	Valve	5382.33	36	0.312	52	0.16	0.05	8.99	2.70	6:00	335	987	710	649	0.47	1.11							1250	Unknown		
22216	GirthWeld		81993.12		18.09	38.39	38.4	22000	Valve	15164.51	Valve	5379.92	36	0.312	52					10:17	335			649									1250	Unknown		
22218	CLUSTER	YES	81993.77		0.65	37.74	38.4	22000	Valve	15165.17	Valve	5379.27	36	0.312	52	0.19	0.06	1.87	0.94	0.252083	335	1057	761	649	0.44	1.17							1250	Unknown		
22221	CLUSTER	YES	81995.22		2.1	36.29	38.4	22000	Valve	15166.62	Valve	5377.82	36	0.312	52	0.21	0.07	9.02	1.20	0.259722	335	957	689	649	0.49	1.07							1250	Unknown		
22227	CLUSTER	YES	81998.11		4.99	33.4	38.4	22000	Valve	15169.51	Valve	5374.93	36	0.312	52	0.2	0.06	6.14	2.36	0.241667	335	988	711	649	0.47	1.11							1250	Unknown		
22232	CLUSTER	YES	82001.09		7.97	30.42	38.4	22000	Valve	15172.49	Valve	5371.95	36	0.312	52	0.18	0.06	8.33	3.11	5:57	335	979	705	649	0.48	1.11							1250	Unknown		
22240	CLUSTER	YES	82006.25		13.13	25.26	38.4	22000	Valve	15177.65	Valve	5366.79	36	0.312	52	0.15	0.05	1.22	0.38	5:48	335	1069	769	649	0.44	1.19							1250	Unknown		
22243	CLUSTER	YES	82010.43		17.31	21.08	38.4	22000	Valve	15181.83	Valve	5362.61	36	0.312	52	0.15	0.05	6.14	1.95	0.238194	335	1011	728	649	0.46	1.13							1250	Unknown		
22245	MELO-CORR	YES	82010.71		17.59	20.8	38.4	22000	Valve	15182.11	Valve	5362.33	36	0.312	52	0.15	0.05	0.94	0.16	0.181944	335	1071	771	649	0.43	1.19							1598	Metal Loss		
22248	CLUSTER	YES	82011.87		18.75	19.64	38.4	22000	Valve	15183.27	Valve	5361.17	36	0.312	52	0.15	0.05	12.04	4.15	0.239583	335	980	706	649	0.47	1.10							1250	Unknown		
22255	MELO-CORR	YES	82013.92		20.8	17.59	38.4	22000	Valve	15185.32	Valve	5359.12	36	0.312	52	0.15	0.05	3.50	0.79	6:12	335	1040	749	649	0.45	1.15							1598	Metal Loss		
22257	CLUSTER	YES	82016.13		23.01	15.38	38.4	22000	Valve	15187.53	Valve	5356.91	36	0.312	52	0.16	0.05	6.05	0.63	5:41	335	1007	725	649	0.46	1.12							1250	Unknown		
22260	MELO-CORR	YES	82020.35		27.23	11.16	38.4	22000	Valve	15191.75	Valve	5352.69	36	0.312	52	0.15	0.05	1.22	0.55	0.238194	335	1069	769	649	0.44	1.19							1598	Metal Loss		
22261	MELO-CORR	YES	82020.41		27.29	11.1	38.4	22000	Valve	15191.81	Valve	5352.63	36	0.312	52	0.15	0.05	1.10	0.20	0.259722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
22263	CLUSTER	YES	82020.54		27.42	10.97	38.4	22000	Valve	15191.94	Valve	5352.5	36	0.312	52	0.26	0.08	19.84	1.35	0.234722	335	882	635	649	0.53	1.02							1250	Unknown		
22274	CLUSTER	YES	82024.11		30.99	7.4	38.4	22000	Valve	15195.51	Valve	5348.93	36	0.312	52	0.19	0.06	15.50	1.35	5:40	335	944	679	649	0.49	1.06							1250	Unknown		
22280	MELO-CORR	YES	82026.16		33.04	5.35	38.4	22000	Valve	15197.56	Valve	5346.88	36	0.312	52	0.18	0.06	1.10	0.16	5:42	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22282	CLUSTER	YES	82026.78		33.66	4.73	38.4	22000	Valve	15198.18	Valve	5346.26	36	0.312	52	0.26	0.08	7.60	1.04	0.236111	335	939	676	649	0.50	1.07							1250	Unknown		
22286	GirthWeld		82031.51		38.39	38.17	38.17	22010	Valve	15202.91	Valve	5341.53	36	0.312	52					0.522917	335			649									1250	Unknown		
22288	CLUSTER	YES	82038.04		6.53	31.64	38.17	22010	Valve	15209.44	Valve	5335	36	0.312	52	0.27	0.08	5.52	0.60	0.238889	335	963	694	649	0.48	1.09							1250	Unknown		
22291	CLUSTER	YES	82041.51		10	28.17	38.17	22010	Valve	15212.91	Valve	5331.53	36	0.312	52	0.22	0.07	4.34	0.50	5:42	335	1005	724	649	0.46	1.14							1250	Unknown		
22293	GirthWeld		82069.68		38.17	39.5	39.5	22020	Valve	15241.08	Valve	5303.36	36	0.312	52					2:24	335			649									1250	Unknown		
22295	CLUSTER	YES	82077.44		7.76	31.73	39.5	22020	Valve	15248.84	Valve	5295.6	36	0.312	52	0.15	0.05	4.80	1.23	0.249306	335	1024	737	649	0.45	1.14							1250	Unknown		
22298	GirthWeld		82109.18		39.5	38.74	38.74	22030	Valve	15280.57	Valve	5263.86	36	0.312	52					0.479167	335			649									1250	Unknown		
22299	MELO-CORR	YES	82125.44		16.26	22.47	38.74	22030	Valve	15296.84	Valve	5247.6	36	0.312	52	0.15	0.05	1.10	0.20	0.270139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
22300	MELO-CORR	YES	82127.16		17.98	20.75	38.74	22030	Valve	15298.56	Valve	5245.88	36	0.312	52	0.17	0.05	1.14	0.16	6:22	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22301	GirthWeld		82147.91		38.74	39.82	39.81	22040	Valve	15319.31	Valve	5225.13	36	0.312	52					10:40	335			649									1250	Unknown		
22302	GirthWeld		82187.73		39.82	38.32	38.32	22050	Valve	15359.13	Valve	5185.31	36	0.312	52					0.519444	335			649									1250	Unknown		
22303	GirthWeld		82226.05		38.32	39.86	39.86	22060	Valve	15397.45	Valve	5146.99	36	0.312	52					0.063889	335			649									1250	Unknown		
22304	GirthWeld		82265.91		39.86	35.97	35.97	22070	Valve	15437.31	Valve	5107.13	36	0.312	52					0.430556	335			649									1250	Unknown		
22305	GirthWeld		82301.88		35.97	39.89	39.89	22080	Valve	15473.28	Valve	5071.16	36	0.312	52					11:30	335			649									1250	Unknown		
22306	GirthWeld		82341.77		39.89	39.82	39.82	22090	Valve	15513.17	Valve	5031.27	36	0.312	52					1:26	335			649									1250	Unknown		
22307	GirthWeld		82381.59		39.82	39.37	39.37	22100	Valve	15552.99	Valve	4991.45	36	0.312	52					0.513889	335			649									1250	Unknown		
22308	GirthWeld		82420.96		39.37	27.37	27.37	22110	Valve	15592.36	Valve	4952.08	36	0.312	52					0.473611	335			649									1250	Unknown		
22309	GirthWeld		82448.33		27.37	39.19	39.19	22120	Valve	15619.73	Valve	4924.71	36	0.312	52					0.440278	335			649									1250	Unknown		
22311	CLUSTER	YES	82474.48		26.15	13.04	39.19	22120	Valve	15645.88	Valve	4898.56	36	0.312	52	0.15

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
22375	CLUSTER	YES	82805.7		15.03	24.93	39.96	22210	Valve	15977.1	Valve	4567.34	36	0.312	52	0.2	0.06	24.46	3.02	6:23	335	923	665	649	0.50	1.08							1250	Unknown		
22380	CLUSTER	YES	82806.28		15.61	24.35	39.96	22210	Valve	15977.68	Valve	4566.76	36	0.312	52	0.17	0.05	14.89	1.82	5:32	335	959	691	649	0.49	1.09							1250	Unknown		
22390	CLUSTER	YES	82806.91		16.24	23.72	39.96	22210	Valve	15978.31	Valve	4566.13	36	0.312	52	0.17	0.05	5.76	0.97	0.250694	335	1006	724	649	0.46	1.13							1250	Unknown		
22398	CLUSTER	YES	82807.45		16.78	23.18	39.96	22210	Valve	15978.85	Valve	4565.59	36	0.312	52	0.16	0.05	1.50	0.38	0.296528	335	1065	767	649	0.44	1.18							1250	Unknown		
22402	CLUSTER	YES	82807.63		16.96	23	39.96	22210	Valve	15979.03	Valve	4565.41	36	0.312	52	0.22	0.07	5.76	2.80	0.253472	335	983	708	649	0.47	1.12							1250	Unknown		
22409	CLUSTER	YES	82808.74		18.07	21.89	39.96	22210	Valve	15980.14	Valve	4564.3	36	0.312	52	0.19	0.06	22.69	3.49	5:26	335	933	672	649	0.50	1.08							1250	Unknown		
22423	CLUSTER	YES	82810.36		19.69	20.27	39.96	22210	Valve	15981.76	Valve	4562.68	36	0.312	52	0.17	0.05	14.15	3.77	6:20	335	961	692	649	0.48	1.08							1250	Unknown		
22437	MELO-CORR	YES	82812.24		21.57	18.39	39.96	22210	Valve	15983.64	Valve	4560.8	36	0.312	52	0.15	0.05	1.10	0.16	0.268056	335	1070	770	649	0.43	1.19							1598	Metal Loss		
22439	CLUSTER	YES	82812.69		22.02	17.94	39.96	22210	Valve	15984.09	Valve	4560.35	36	0.312	52	0.15	0.05	3.50	0.79	0.266667	335	1040	749	649	0.45	1.16							1250	Unknown		
22442	CLUSTER	YES	82815.49		24.82	15.14	39.96	22210	Valve	15986.89	Valve	4557.55	36	0.312	52	0.19	0.06	17.06	3.68	0.270139	335	940	677	649	0.49	1.09							1250	Unknown		
22453	CLUSTER	YES	82821.54		30.87	9.08	39.96	22210	Valve	15992.94	Valve	4551.5	36	0.312	52	0.16	0.05	11.23	3.46	5:27	335	977	703	649	0.48	1.10							1250	Unknown		
22459	MELO-CORR	YES	82826.17		35.5	4.46	39.96	22210	Valve	15997.57	Valve	4546.87	36	0.312	52	0.17	0.05	1.22	0.20	6:28	335	1068	769	649	0.44	1.18							1598	Metal Loss		
22460	MELO-CORR	YES	82826.48		35.81	4.15	39.96	22210	Valve	15997.88	Valve	4546.56	36	0.312	52	0.15	0.05	1.38	0.20	0.300694	335	1067	768	649	0.44	1.18							1598	Metal Loss		
22462	CLUSTER	YES	82828.72		38.05	1.91	39.96	22210	Valve	16000.12	Valve	4544.32	36	0.312	52	0.17	0.05	1.14	0.44	0.235417	335	1068	769	649	0.44	1.19							1250	Unknown		
22464	GirthWeld		82830.63		39.96	39.76	39.76	22220	Valve	16002.03	Valve	4542.41	36	0.312	52					0.525694	335			649									1250	Unknown		
22466	CLUSTER	YES	82833.88		3.25	36.51	39.76	22220	Valve	16005.28	Valve	4539.16	36	0.312	52	0.16	0.05	5.54	2.04	5:33	335	1012	729	649	0.46	1.13							1250	Unknown		
22469	MELO-CORR	YES	82834.83		4.2	35.56	39.76	22220	Valve	16006.23	Valve	4538.21	36	0.312	52	0.16	0.05	1.14	0.20	6:31	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22471	CLUSTER	YES	82836.82		6.19	33.57	39.76	22220	Valve	16008.22	Valve	4536.22	36	0.312	52	0.21	0.07	12.08	1.13	0.26875	335	940	677	649	0.49	1.09							1250	Unknown		
22478	CLUSTER	YES	82838.09		7.46	32.29	39.76	22220	Valve	16009.49	Valve	4534.95	36	0.312	52	0.19	0.06	6.18	1.98	0.274306	335	992	714	649	0.47	1.13							1250	Unknown		
22485	CLUSTER	YES	82839.28		8.65	31.11	39.76	22220	Valve	16010.68	Valve	4533.76	36	0.312	52	0.15	0.05	2.56	1.79	0.231944	335	1053	758	649	0.44	1.17							1250	Unknown		
22488	CLUSTER	YES	82839.43		8.8	30.96	39.76	22220	Valve	16010.83	Valve	4533.61	36	0.312	52	0.15	0.05	9.79	3.55	6:05	335	989	712	649	0.47	1.11							1250	Unknown		
22496	CLUSTER	YES	82841.88		11.24	28.51	39.76	22220	Valve	16013.27	Valve	4531.16	36	0.312	52	0.19	0.06	6.04	3.49	5:39	335	994	716	649	0.47	1.13							1250	Unknown		
22504	CLUSTER	YES	82844.56		13.93	25.82	39.76	22220	Valve	16015.96	Valve	4528.48	36	0.312	52	0.17	0.05	1.73	0.69	0.278472	335	1061	764	649	0.44	1.18							1250	Unknown		
22507	CLUSTER	YES	82845.14		14.51	25.25	39.76	22220	Valve	16016.54	Valve	4527.9	36	0.312	52	0.17	0.05	5.24	2.36	0.261806	335	1012	728	649	0.46	1.14							1250	Unknown		
22511	MELO-CORR	YES	82845.88		15.24	24.51	39.76	22220	Valve	16017.27	Valve	4527.16	36	0.312	52	0.17	0.05	1.18	0.20	0.236111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22513	CLUSTER	YES	82846.73		16.1	23.66	39.76	22220	Valve	16018.13	Valve	4526.31	36	0.312	52	0.24	0.08	12.46	1.95	5:34	335	918	661	649	0.51	1.09							1250	Unknown		
22520	CLUSTER	YES	82850.05		19.42	20.33	39.76	22220	Valve	16021.45	Valve	4522.99	36	0.312	52	0.16	0.05	2.96	1.13	6:19	335	1045	753	649	0.45	1.16							1250	Unknown		
22523	CLUSTER	YES	82850.21		19.58	20.17	39.76	22220	Valve	16021.61	Valve	4522.82	36	0.312	52	0.16	0.05	1.54	1.13	0.245833	335	1065	767	649	0.44	1.18							1250	Unknown		
22526	CLUSTER	YES	82851.05		20.42	19.34	39.76	22220	Valve	16022.45	Valve	4521.99	36	0.312	52	0.17	0.05	6.10	1.13	0.238889	335	1002	722	649	0.46	1.13							1250	Unknown		
22527	MELO-CORR	YES	82851.09		20.46	19.3	39.76	22220	Valve	16022.49	Valve	4521.95	36	0.312	52	0.18	0.06	1.18	0.39	0.261806	335	1068	769	649	0.44	1.18							1598	Metal Loss		
22531	MELO-CORR	YES	82851.46		20.83	18.93	39.76	22220	Valve	16022.86	Valve	4521.58	36	0.312	52	0.19	0.06	1.18	0.35	6:07	335	1067	768	649	0.44	1.18							1598	Metal Loss		
22532	MELO-CORR	YES	82852.44		21.81	17.95	39.76	22220	Valve	16023.84	Valve	4520.6	36	0.312	52	0.18	0.06	1.10	0.16	6:09	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22534	CLUSTER	YES	82852.64		22.01	17.75	39.76	22220	Valve	16024.04	Valve	4520.4	36	0.312	52	0.2	0.06	6.61	2.61	0.254861	335	983	708	649	0.47	1.12							1250	Unknown		
22540	CLUSTER	YES	82855.45		24.82	14.93	39.76	22220	Valve	16026.85	Valve	4517.59	36	0.312	52	0.21	0.07	8.33	4.43	0.24375	335	962	692	649	0.48	1.11							1250	Unknown		
22542	MELO-CORR	YES	82855.6		24.97	14.79	39.76	22220	Valve	16027	Valve	4517.44	36	0.312	52	0.15	0.05	1.14	0.16	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22551	CLUSTER	YES	82857.06		26.43	13.32	39.76	22220	Valve	16028.46	Valve	4515.98	36	0.312	52	0.26	0.08	28.72	5.88	5:42	335	871	627	649	0.53	1.04							1250	Unknown		
22568	CLUSTER	YES	82859.63		29	10.75	39.76	22220	Valve	16031.03	Valve	4513.4	36	0.312	52	0.18	0.06	6.53	1.51	5:43	335	993	715	649	0.47	1.12							1250	Unknown		
22570	GirthWeld		82870.39		39.76	39.68	39.68	22230	Valve	16041.79	Valve	4502.65	36	0.312	52					0.053472	335			649									1250	Unknown		
22571	MELO-CORR	YES	82878.13		7.74	31.94	39.68	22230	Valve	16049.53	Valve	4494.91	36	0.312	52	0.15	0.05	1.14	0.20	0.232639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22573	CLUSTER	YES	82883.45		13.06	26.62	39.68	22230	Valve	16054.85	Valve	4489.59	36	0.312	52	0.16	0.05	2.51	0.35	0.284028	335	1051	757	649	0.44	1.17							1250	Unknown		
22575	GirthWeld		82910.07		39.68	39.87	39.87	22240	Valve	16081.47	Valve	4462.97	36	0.312	52					9:27	335			649									1250	Unknown		
22577	CLUSTER	YES	82940.68		30.61	9.26	39.87	22240	Valve	16112.08	Valve	4432.36	36	0.312	52	0.16	0.05	12.43	2.89	6:08	335	973	700	649	0.48	1.09							1250	Unknown		
22584	CLUSTER	YES	82941.05		30.98	8.9	39.87	22240	Valve	16112.45	Valve	4431.99	36	0.312	52	0.22	0.07	7.02	2.20	0.236111	335	968	697	649	0.48	1.12							1250	Unknown		
22593	CLUSTER	YES	82941.85		31.78	8.1	39.87	22240	Valve	16113.25	Valve	4431.19	36	0.312	52	0.15	0.05	10.30	1.89	0.25625	335	986	710	649	0.47	1.11							1250	Unknown		
22595	CLUSTER	YES	82941.93		31.86	8.01	39.87	22240	Valve	16113.33	Valve	4431.11	36	0.312	52	0.17	0.05	5.87	2.61	0.233333	335	1005	723	649	0.46	1.13							1250	Unknown		
22604	CLUSTER	YES	82942.53		32.46	7.41	39.87	22240	Valve	16113.93	Valve	4430.51	36	0.312	52	0.21	0.07	5.39	0.76	5:39	335	993	715	649	0.47	1.13							1250	Unknown		
22607	CLUSTER	YES	82942.87		32.8	7.07	39.87	22240	Valve	16114.27	Valve	4430.17	36	0.312	52	0.17	0.05	5.88	0.47	6:21	335	1005	723	649	0.46	1.11							1250	Unknown		
22611	CLUSTER	YES	82945.13		35.06	4.81	39.87	22240	Valve	16116.53	Valve	4427.91	36	0.312	52	0.18	0.06	6.77	1.32	0.236111	335	991	714	649	0.47	1.11							1250	Unknown		
22616	MELO-CORR	YES	82945.58		35.51	4.36	39.87	22240	Valve	16116.98	Valve	4427.46	36	0.312	52	0.18	0.06	1.14	0.16	0.251389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
22618	GirthWeld		82949.94		39.87	40	40	22250	Valve	16121.34	Valve	4423.1	36	0.312	52					0.45	335			649									1250	Unknown		
22619	MELO-CORR	YES	82953.26		3.32	36.68	40	22250	Valve	16124.66	Valve	4419.78	36	0.312	52	0.18	0.06	1.34	0.20	5:49	335	1066	767	649	0.44	1.18							1598	Metal Loss		
22621	CLUSTER	YES	82957.59		7.65	32.35	40	22250	Valve	16128.99	Valve	4415.45	36	0.312	52	0.17	0.05	6.46	0.69	5:48	335	999	719	649	0.47	1.11							1250	Unknown		
22625	MELO-CORR	YES	82963.82		13.88	26.12	40	22250	Valve	16135.22	Valve	4409.22	36	0.312	52	0.15	0.05	1.38	0.20	0.234028	335	1067	768	649	0.44	1.18							1598	Metal Loss		
22627	CLUSTER	YES	82968.8		18.86	21.14	40	22250	Valve	16140.2	Valve	4404.24	36	0.312	52	0.18	0.06	2.40	0.47	0.256944	335	1050	756	649	0.44	1.17							1250	Unknown		
22629	GirthWeld		82989.94		40	39.13	39.13	22260	Valve	16161.34	Valve	4383.1	36	0.312	52					0.116667	335			649									1250	Unknown		
22630	GirthWeld		83029.07		39.13	39.56	39.56	22270	Valve	16200.47	Valve	4343.97	36	0.312	52					1:32	335			649									1250	Unknown		
22631	GirthWeld		83068.63		39.56	39.86	39.86	22280	Valve	16240.03	Valve	4304.41	36	0.312	52					10:04	335			649									1250	Unknown		
22632	GirthWeld		83108.49		39.86	39.24	39.24	22290	Valve	16279.89	Valve	4264.55	36	0.312	52					0.369444	335			649									1250	Unknown		
22634	CLUSTER	YES	83122.76		14.27	24.97	39.24	22290	Valve	16294.16	Valve	4250.28	36	0.312	52	0.17	0.05	6.00	0.63	0.257639	335	1004	723	649	0.46	1.12							1250	Unknown		
22636	GirthWeld		83147.73		39.24	39.78	39.78	22300	Valve	16319.13	Valve	4225.31	36	0.312	52					0.5	335			649									1250	Unknown		
22638	CLUSTER	YES	83153.77		6.04	33.74	39.78	22300	Valve	16325.17	Valve	4219.27	36	0.312	52	0.21	0.07	1.60	1.04	5:54	335	1060	763	649	0.44	1.18							1250	Unknown		
22640	MELO-CORR	YES	83162.3		14.57	25.21	39.78	22300	Valve	16333.7	Valve	4210.74	36	0.312	52	0.16	0.05	1.18	0.39	6:09	335	1069	769	649	0.44	1.19							1598	Metal Loss		
22642	CLUSTER	YES	83164.17		16.44	23.34	39.78	22300	Valve	16335.57	Valve	4208.87	36	0.312	52	0.21	0.07	9.82	2.20	0.247917	335	952	685	649	0.49	1.07							1250	Unknown		
22652	GirthWeld		83187.51		39.79	39.09	39.08	22310	Valve	16358.91	Valve	4185.52	36	0.312	52					0.072222	335			649									1250	Unknown		
22653	MELO-CORR	YES	83202.35		14.84	24.25	39.08	22310	Valve	16373.75	Valve	4170.69	36	0.312	52	0.15	0.05	1.18	0.16	0.258333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
22655	CLUSTER	YES	83219.37		31.86	7.23	39.08	22310	Valve	16390.77	Valve	4153.67	36	0.312	52	0.21	0.07	6.37	1.67	5:58	335	980	706	649	0.47	1.10							1250	Unknown		
22658	GirthWeld		83226.6		39.09	34.11	34.12	22320	Valve	16398	Valve	4146.44	36	0.312	52					9:50	335			649									1250	Unknown		
22659	GirthWeld		83260.71		34.11	39.75	39.75	22330	Valve	16432.11	Valve	4112.33	36	0.312	52					0.451389	335			649									1250	Unknown		
22660	MELO-CORR	YES	83273.56		12.85	26.9	39.75	22330	Valve	16444.96	Valve	4099.48	36	0.312	52	0.2	0.06	1.18	0.20	0.253472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
22662	CLUSTER	YES	83285.19		24.48	15.27	39.75	22330	Valve	16456.59	Valve	4087.85	36	0.312	52	0.19	0.06	2.92	0.94	0.252778	335	1040	748	649	0.45	1.16							1250	Unknown		
22665	CLUSTER	YES	83285.82		25.11	14.64	39.75	22330	Valve	16457.22	Valve	4087.22	36	0.312	52	0.23	0.07	3.05	1.60	5:54	335	1028	740	649	0.45	1.14							1250	Unknown		
22667	MELO-CORR	YES	83286.43		25.72	14.03	39.75	22330	Valve	16457.83	Valve	4086.61	36	0.312	52	0.16	0.05	3.86	1.18	6:05	335	1032	743	649	0.45	1.15							1598	Metal Loss		
22669	CLUSTER	YES	83289.37		28.66	11.09	39.75	22330	Valve	16460.77	Valve	4083.67	36	0.312	52	0.19	0.06	2.40	0.69	0.254861	335	1048	755	649	0.44	1.17							1250	Unknown		
22671	MELO-CORR	YES	83289.67		28.96	10.79	39.75	22330	Valve	16461.07	Valve	4083.37	36	0.312	52	0.15	0.05	1.22	0.51	0.265972	335	1069	769	649	0.44	1.19							1598	Metal Loss		
22673	CLUSTER	YES	83289.81		29.1	10.65	39.75	22330	Valve	16461.21	Valve	4083.23	36	0.312	52	0.28	0.09	3.68	2.20	0.247222	335	998	719	649	0.47	1.11							1250	Unknown		
22677	CLUSTER	YES	83290.57		29.86	9.89	39.75	22330	Valve	16461.97	Valve	4082.47	36	0.312	52	0.15	0.05	8.46	2.04	5:56	335	995	717	649	0.47	1.11							1250	Unknown		
22682	CLUSTER	YES	83292.63		31.92	7.83	39.75	22330	Valve	16464.03	Valve	4080.41	36	0.312	52	0.17	0.05	6.41	2.48	6:13	335	999	720	649	0.47	1.11							1250	Unknown		
22687	CLUSTER	YES	83294.26		33.54	6.21	39.75	22330	Valve	16465.65	Valve	4078.78	36	0.312	52	0.29	0.09	4.82	1.82	0.230556	335	967	696	649	0.48	1.09							1250	Unknown		
22689	MELO-CORR	YES	83294.51		33.8	5.95	39.75	22330	Valve	16465.91	Valve	4078.53	36	0.312	52	0.17	0.05	3.74	0.71	0.267361	335	1031	743	649	0.45	1.15							1598	Metal Loss		
22691	CLUSTER	YES	83294.91		34.2	5.55	39.75	22330	Valve	16466.31	Valve	4078.13	36	0.312	52	0.16	0.05	4.30	2.01	0.247222	335	1027	739	649	0.45	1.14							1250	Unknown		
22695	CLUSTER	YES	83299.94		39.23	0.52	39.75	22330	Valve	16471.34	Valve	4073.1	36	0.312	52	0.17	0.05	3.72	1.92	5:48	335	1032	743	649	0.45	1.14							1250	Unknown		
22698	GirthWeld		83300.46		39.75	39.82	39.82	22340	Valve	16471.86	Valve	4072.58	36	0.312	52					1:50	335			649									1250	Unknown		
22700	CLUSTER	YES	83308.99		8.53	31.29	39.82	22340	Valve	16480.39	Valve	4064.05	36	0.312	52	0.2	0.06	3.62	0.76	0.274306	335	1024	738	649	0.45	1.14							1250	Unknown		
22702	MELO-CORR	YES	83309.38		8.92	30.9	39.82	22340	Valve	16480.78	Valve	4063.66	36	0.312	52	0.17	0.05	2.68	0.94	0.2625	335	1047	754	649	0.44	1.16							1598	Metal Loss		
22704	CLUSTER	YES	83310.17		9.71	30.11	39.82	22340	Valve	16481.57	Valve	4062.87	36	0.312	52	0.22	0.07	13.68	3.21	0.247917	335	927	668	649	0.50	1.06							1250	Unknown		
22714	CLUSTER	YES	83316.99		16.53	23.29	39.82	22340	Valve	16488.39	Valve	4056.05	36	0.312	52	0.32	0.10	8.47	2.29	5:54	335	892	643	649	0.52	1.07							1250	Unknown		
22722	CLUSTER	YES	83322.89		22.43	17.39	39.82	22340	Valve	16494.29	Valve	4050.15	36	0.312	52	0.17	0.05	4.48	0.82	6:08	335	1021	735	649	0.46	1.13							1250	Unknown		
22725	CLUSTER	YES	83323.84		23.38	16.45	39.82	22340	Valve	16495.24	Valve	4049.2	36	0.312	52	0.19	0.06	2.69	0.76	0.256944	335	1044	751	649	0.45	1.16							1250	Unknown		
22728	CLUSTER	YES	83331.11		30.65	9.17	39.82	22340	Valve	16502.51	Valve	4041.93	36	0.312	52	0.15	0.05	5.71	2.42	0.247222	335	1015	731	649	0.46	1.13							1250	Unknown		
22734	CLUSTER	YES	83333.29		32.83	6.99	39.82	22340	Valve	16504.69	Valve	4039.75	36	0.312	52	0.15	0.05	2.71	0.66	0.253472	335	1050	756	649	0.44	1.17							1250	Unknown		
22737	CLUSTER	YES	83335.19		34.73	5.09	39.82	22340	Valve	16506.59	Valve	4037.85	36	0.312	52	0.22	0.07	3.77	3.08	5:54	335	1016	731	649	0.46	1.13							1250	Unknown		
22740	MELO-CORR	YES	83337.51		37.05	2.77	39.82	22340	Valve	16508.91	Valve	4035.53	36	0.312	52	0.16	0.05	3.86	0.91	5:45	335	1033	743	649	0.45	1.15							1598	Metal Loss		
22742	CLUSTER	YES	83338.03		37.57	2.25	39.82	22340	Valve	16509.43	Valve	4035.01	36	0.312	52	0.15	0.05	5.29	0.76	0.272917	335	1019	734	649	0.46	1.14							1250	Unknown		
22745	GirthWeld		83340.28		39.82	39.82	39.82	22350	Valve	16511.68	Valve	4032.76	36	0.312	52					0.052778	335			649									1250	Unknown		
22747	CLUSTER	YES	83340.61		0.33	39.49	39.82	22350	Valve	16512.01	Valve	4032.43	36	0.312	52	0.21	0.07	2.44	1.32	0.270833	335	1044	752	649	0.45	1.16							1250	Unknown		
22750	CLUSTER	YES	83341.09		0.81	39.01	39.82	22350	Valve	16512.49	Valve	4031.95	36	0.312	52	0.15	0.05	8.90	2.48	5:47	335	993	715	649	0.47	1.11							1250	Unknown		
22752	CLUSTER	YES	83341.15		0.87	38.96	39.82	22350	Valve	16512.55	Valve	4031.89	36	0.312	52	0.15	0.05	7.09	0.88	6:37	335	1004	723	649	0.46	1.12							1250	Unknown		
22759	CLUSTER	YES	83343.05		2.77	37.06	39.82	22350	Valve	16514.45	Valve	4029.99	36	0.312	52	0.18	0.06	3.02	0.76	0.259722	335	1040	749	649	0.45	1.16							1250	Unknown		
22762	MELO-CORR	YES	83343.46		3.18	36.64	39.82	22350	Valve

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
23020	CLUSTER	YES	83371.51		31.23	8.6	39.82	22350	Valve	16542.91	Valve	4001.53	36	0.312	52	0.25	0.08	33.47	7.01	5:42	335	875	630	649	0.53	1.05							1250	Unknown		
23026	CLUSTER	YES	83371.78		31.5	8.32	39.82	22350	Valve	16543.18	Valve	4001.26	36	0.312	52	0.18	0.06	2.40	1.42	5:57	335	1050	756	649	0.44	1.17							1250	Unknown		
23058	CLUSTER	YES	83374.43		34.15	5.67	39.82	22350	Valve	16545.83	Valve	3998.61	36	0.312	52	0.17	0.05	8.17	2.83	0.247917	335	986	710	649	0.47	1.11							1250	Unknown		
23064	MELO-CORR	YES	83376.76		36.48	3.34	39.82	22350	Valve	16548.16	Valve	3996.28	36	0.312	52	0.18	0.06	1.14	0.20	0.259722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
23066	CLUSTER	YES	83377.26		36.98	2.84	39.82	22350	Valve	16548.66	Valve	3995.78	36	0.312	52	0.25	0.08	4.01	0.54	0.258333	335	1001	721	649	0.46	1.12							1250	Unknown		
23068	GirthWeld		83380.1		39.82	39.13	39.12	22360	Valve	16551.5	Valve	3992.94	36	0.312	52					10:53	335			649									1250	Unknown		
23070	CLUSTER	YES	83380.25		0.15	38.98	39.12	22360	Valve	16551.65	Valve	3992.79	36	0.312	52	0.21	0.07	26.83	4.40	5:51	335	913	658	649	0.51	1.06							1250	Unknown		
23092	CLUSTER	YES	83382.64		2.54	36.58	39.12	22360	Valve	16554.04	Valve	3990.4	36	0.312	52	0.23	0.07	5.18	1.79	0.247917	335	987	711	649	0.47	1.13							1250	Unknown		
23097	CLUSTER	YES	83387.25		7.15	31.98	39.12	22360	Valve	16558.65	Valve	3985.79	36	0.312	52	0.26	0.08	14.45	4.09	0.240972	335	896	645	649	0.52	1.07							1250	Unknown		
23110	CLUSTER	YES	83389.95		9.85	29.28	39.12	22360	Valve	16561.35	Valve	3983.09	36	0.312	52	0.16	0.05	1.74	2.52	0.236806	335	1062	765	649	0.44	1.18							1250	Unknown		
23113	CLUSTER	YES	83400.26		20.16	18.97	39.12	22360	Valve	16571.66	Valve	3972.78	36	0.312	52	0.22	0.07	2.60	2.36	5:56	335	1039	748	649	0.45	1.16							1250	Unknown		
23117	CLUSTER	YES	83402.61		22.51	16.61	39.12	22360	Valve	16574.01	Valve	3970.43	36	0.312	52	0.29	0.09	5.90	2.26	5:57	335	946	681	649	0.49	1.09							1250	Unknown		
23123	CLUSTER	YES	83403.21		23.11	16.02	39.12	22360	Valve	16574.61	Valve	3969.83	36	0.312	52	0.15	0.05	5.36	1.04	0.253472	335	1019	733	649	0.46	1.14							1250	Unknown		
23128	CLUSTER	YES	83404		23.9	15.23	39.12	22360	Valve	16575.4	Valve	3969.04	36	0.312	52	0.18	0.06	2.21	1.76	0.247917	335	1053	758	649	0.44	1.17							1250	Unknown		
23132	CLUSTER	YES	83404.52		24.42	14.71	39.12	22360	Valve	16575.92	Valve	3968.52	36	0.312	52	0.16	0.05	5.28	2.01	0.248611	335	1015	731	649	0.46	1.13							1250	Unknown		
23137	CLUSTER	YES	83405.77		25.67	13.46	39.12	22360	Valve	16577.17	Valve	3967.27	36	0.312	52	0.16	0.05	2.27	1.67	5:55	335	1055	759	649	0.44	1.17							1250	Unknown		
23140	MELO-CORR	YES	83407.75		27.65	11.48	39.12	22360	Valve	16579.15	Valve	3965.29	36	0.312	52	0.18	0.06	1.26	0.35	6:09	335	1067	768	649	0.44	1.18							1598	Metal Loss		
23142	CLUSTER	YES	83408.97		28.87	10.26	39.12	22360	Valve	16580.37	Valve	3964.07	36	0.312	52	0.16	0.05	6.60	2.45	0.246528	335	1003	722	649	0.46	1.13							1250	Unknown		
23147	CLUSTER	YES	83410.57		30.47	8.65	39.12	22360	Valve	16581.97	Valve	3962.47	36	0.312	52	0.18	0.06	7.34	2.92	0.245833	335	986	710	649	0.47	1.12							1250	Unknown		
23153	GirthWeld		83419.23		39.13	39.79	39.8	22370	Valve	16590.63	Valve	3953.81	36	0.312	52					0.419444	335			649									1250	Unknown		
23154	MELO-CORR	YES	83429.3		10.07	29.73	39.8	22370	Valve	16600.7	Valve	3943.74	36	0.312	52	0.19	0.06	1.06	0.47	5:40	335	1069	769	649	0.44	1.19							1598	Metal Loss		
23156	CLUSTER	YES	83442.01		22.78	17.01	39.8	22370	Valve	16613.41	Valve	3931.03	36	0.312	52	0.16	0.05	4.43	0.63	5:50	335	1025	738	649	0.45	1.14							1250	Unknown		
23159	MELO-CORR	YES	83457.02		37.79	2	39.8	22370	Valve	16628.42	Valve	3916.01	36	0.312	52	0.15	0.05	1.14	0.32	0.268056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23160	GirthWeld		83459.02		39.79	39.88	39.87	22380	Valve	16630.42	Valve	3914.02	36	0.312	52					0.49375	335			649									1250	Unknown		
23161	GirthWeld		83498.9		39.88	39.18	39.19	22390	Valve	16670.3	Valve	3874.14	36	0.312	52					0.538194	335			649									1250	Unknown		
23163	CLUSTER	YES	83525.07		26.17	13.01	39.19	22390	Valve	16696.47	Valve	3847.97	36	0.312	52	0.2	0.06	3.79	2.14	5:08	335	1022	736	649	0.46	1.15							1250	Unknown		
23167	CLUSTER	YES	83531.4		32.5	6.68	39.19	22390	Valve	16702.8	Valve	3841.64	36	0.312	52	0.22	0.07	2.86	1.76	5:39	335	1034	744	649	0.45	1.16							1250	Unknown		
23170	CLUSTER	YES	83532.18		33.28	5.9	39.19	22390	Valve	16703.58	Valve	3840.86	36	0.312	52	0.19	0.06	10.79	1.54	0.2375	335	959	691	649	0.49	1.08							1250	Unknown		
23178	MELO-CORR	YES	83533.85		34.96	4.23	39.19	22390	Valve	16705.25	Valve	3839.18	36	0.312	52	0.18	0.06	1.18	0.39	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
23179	MELO-CORR	YES	83535.59		36.69	2.5	39.19	22390	Valve	16706.99	Valve	3837.45	36	0.312	52	0.24	0.08	2.60	0.75	0.244444	335	1035	746	649	0.45	1.15							1598	Metal Loss		
23180	MELO-CORR	YES	83535.81		36.91	2.27	39.19	22390	Valve	16707.21	Valve	3837.23	36	0.312	52	0.18	0.06	1.18	0.39	5:20	335	1068	769	649	0.44	1.18							1598	Metal Loss		
23181	GirthWeld		83538.08		39.18	37.02	37.01	22400	Valve	16709.48	Valve	3834.96	36	0.312	52					9:41	335			649									1250	Unknown		
23182	MELO-CORR	YES	83541.13		3.05	33.96	37.01	22400	Valve	16712.53	Valve	3831.91	36	0.312	52	0.15	0.05	1.10	0.43	0.229167	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23183	MELO-CORR	YES	83548.11		10.03	26.99	37.01	22400	Valve	16719.51	Valve	3824.93	36	0.312	52	0.19	0.06	1.10	0.39	0.269444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
23185	CLUSTER	YES	83549.25		11.17	25.84	37.01	22400	Valve	16720.65	Valve	3823.79	36	0.312	52	0.16	0.05	4.67	1.35	0.231944	335	1022	736	649	0.46	1.14							1250	Unknown		
23189	CLUSTER	YES	83549.82		11.74	25.28	37.01	22400	Valve	16721.22	Valve	3823.22	36	0.312	52	0.16	0.05	8.50	1.92	5:31	335	989	712	649	0.47	1.10							1250	Unknown		
23194	MELO-CORR	YES	83552.87		14.79	22.23	37.01	22400	Valve	16724.27	Valve	3820.17	36	0.312	52	0.16	0.05	1.10	0.20	4:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23196	CLUSTER	YES	83553.26		15.18	21.84	37.01	22400	Valve	16724.66	Valve	3819.78	36	0.312	52	0.15	0.05	12.47	2.39	0.236806	335	979	705	649	0.48	1.09							1250	Unknown		
23203	CLUSTER	YES	83556.07		17.99	19.03	37.01	22400	Valve	16727.47	Valve	3816.97	36	0.312	52	0.34	0.11	5.87	1.07	0.243056	335	921	663	649	0.51	1.06							1250	Unknown		
23206	CLUSTER	YES	83556.63		18.54	18.47	37.01	22400	Valve	16728.02	Valve	3816.41	36	0.312	52	0.16	0.05	6.07	1.79	0.263194	335	1007	725	649	0.46	1.13							1250	Unknown		
23210	CLUSTER	YES	83566.01		27.93	9.09	37.01	22400	Valve	16737.41	Valve	3807.03	36	0.312	52	0.15	0.05	4.12	3.99	6:10	335	1032	743	649	0.45	1.15							1250	Unknown		
23215	CLUSTER	YES	83569.34		31.26	5.76	37.01	22400	Valve	16740.74	Valve	3803.7	36	0.312	52	0.17	0.05	10.60	2.61	5:38	335	973	700	649	0.48	1.10							1250	Unknown		
23224	CLUSTER	YES	83570		31.92	5.1	37.01	22400	Valve	16741.4	Valve	3803.04	36	0.312	52	0.16	0.05	13.52	2.29	0.258333	335	970	698	649	0.48	1.09							1250	Unknown		
23234	CLUSTER	YES	83572.31		34.23	2.79	37.01	22400	Valve	16743.71	Valve	3800.73	36	0.312	52	0.24	0.08	23.44	6.22	0.241667	335	893	643	649	0.52	1.07							1250	Unknown		
23252	CLUSTER	YES	83573.94		35.86	1.16	37.01	22400	Valve	16745.34	Valve	3799.1	36	0.312	52	0.22	0.07	9.85	1.51	0.241667	335	945	680	649	0.49	1.07							1250	Unknown		
23259	GirthWeld		83575.1		37.02	39.85	39.85	22410	Valve	16746.5	Valve	3797.94	36	0.312	52					10:42	335			649									1250	Unknown		
23261	CLUSTER	YES	83575.3		0.2	39.65	39.85	22410	Valve	16746.7	Valve	3797.74	36	0.312	52	0.16	0.05	19.42	2.01	5:42	335	959	691	649	0.49	1.09							1250	Unknown		
23274	CLUSTER	YES	83595.67		20.57	19.28	39.85	22410	Valve	16767.07	Valve	3777.37	36	0.312	52	0.16	0.05	12.06	3.65	0.261806	335	974	701	649	0.48	1.09							1250	Unknown		
23279	GirthWeld		83614.95		39.85	36.7	36.71	22420	Valve	16786.35	Valve	3758.09	36	0.312	52					0.525	335			649									1250	Unknown		
23281	CLUSTER	YES	83624.88		9.93	26.78	36.71	22420	Valve	16796.28	Valve	3748.16	36	0.312	52	0.22	0.07	11.08	1.82	0.240972	335	938	675	649	0.50	1.07							1250	Unknown		
23288	GirthWeld		83651.65		36.7	39.36	39.36	22430	Valve	16823.05	Valve	3721.39	36	0.312	52					9:32	335			649									1250	Unknown		
23289	GirthWeld		83691.01		39.37	39.21	39.21	22440	Valve	16862.41	Valve	3682.02	36	0.312	52					10:52	335			649									1250	Unknown		
23290	GirthWeld		83730.23		39.22	38.36	38.36	22450	Valve	16901.63	Valve	3642.81	36	0.312	52					0.518056	335			649									1250	Unknown		
23291	GirthWeld		83768.59		38.36	39.76	39.76	22460	Valve	16939.99	Valve	3604.45	36	0.312	52					0.068056	335			649									1250	Unknown		
23293	CLUSTER	YES	83772.53		3.94	35.82	39.76	22460	Valve	16943.93	Valve	3600.51	36	0.312	52	0.17	0.05	5.59	2.42	0.249306	335	1008	726	649	0.46	1.13							1250	Unknown		
23299	CLUSTER	YES	83775.45		6.86	32.9	39.76	22460	Valve	16946.85	Valve	3597.59	36	0.312	52	0.15	0.05	14.58	1.82	6:00	335	974	701	649	0.48	1.09							1250	Unknown		
23309	CLUSTER	YES	83777.73		9.14	30.62	39.76	22460	Valve	16949.13	Valve	3595.31	36	0.312	52	0.19	0.06	17.84	3.77	5:49	335	939	676	649	0.50	1.06							1250	Unknown		
23322	GirthWeld		83808.35		39.76	39.82	39.82	22470	Valve	16979.75	Valve	3564.68	36	0.312	52					0.381944	335			649									1250	Unknown		
23323	GirthWeld		83848.17		39.82	39.8	39.8	22480	Valve	17019.57	Valve	3524.87	36	0.312	52					0.441667	335			649									1250	Unknown		
23324	GirthWeld		83887.97		39.8	23.44	23.44	22490	Valve	17059.37	Valve	3485.07	36	0.312	52					0.519444	335			649									1250	Unknown		
23325	GirthWeld		83911.41		23.44	39.79	39.79	22500	Valve	17082.81	Valve	3461.63	36	0.312	52					2:06	335			649									1250	Unknown		
23326	GirthWeld		83951.2		39.79	39	39	22510	Valve	17122.6	Valve	3421.84	36	0.312	52					8:46	335			649									1250	Unknown		
23327	GirthWeld		83990.2		39	38.8	38.8	22520	Valve	17161.6	Valve	3382.84	36	0.312	52					0.429167	335			649									1250	Unknown		
23328	GirthWeld		84029		38.8	38.66	38.65	22530	Valve	17200.4	Valve	3344.04	36	0.312	52					0.536111	335			649									1250	Unknown		
23329	GirthWeld		84067.66		38.66	39.77	39.77	22540	Valve	17239.06	Valve	3305.38	36	0.312	52					0.5	335			649									1250	Unknown		
23330	GirthWeld		84107.43		39.77	39.78	39.78	22550	Valve	17278.83	Valve	3265.61	36	0.312	52					11:12	335			649									1250	Unknown		
23331	GirthWeld		84147.21		39.78	39.83	39.83	22560	Valve	17318.61	Valve	3225.83	36	0.312	52					9:18	335			649									1250	Unknown		
23332	GirthWeld		84187.04		39.83	38.68	38.68	22570	Valve	17358.44	Valve	3186	36	0.312	52					0.052778	335			649									1250	Unknown		
23333	MELO-CORR	YES	84196.55		9.51	29.17	38.68	22570	Valve	17367.95	Valve	3176.49	36	0.312	52	0.15	0.05	1.10	0.51	0.274306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23334	MELO-CORR	YES	84205.7		18.66	20.02	38.68	22570	Valve	17377.1	Valve	3167.34	36	0.312	52	0.2	0.06	1.22	0.20	0.275	335	1066	768	649	0.44	1.18							1598	Metal Loss		
23336	CLUSTER	YES	84210.25		23.21	15.47	38.68	22570	Valve	17381.65	Valve	3162.79	36	0.312	52	0.2	0.06	3.54	1.67	5:37	335	1026	739	649	0.45	1.15							1250	Unknown		
23339	MELO-CORR	YES	84213.3		26.26	12.42	38.68	22570	Valve	17384.7	Valve	3159.74	36	0.312	52	0.25	0.08	1.10	0.39	5:34	335	1065	767	649	0.44	1.18							1598	Metal Loss		
23341	CLUSTER	YES	84213.5		26.46	12.22	38.68	22570	Valve	17384.9	Valve	3159.54	36	0.312	52	0.19	0.06	21.79	3.55	0.229167	335	934	672	649	0.50	1.08							1250	Unknown		
23344	MELO-CORR	YES	84214.06		27.02	11.66	38.68	22570	Valve	17385.46	Valve	3158.98	36	0.312	52	0.17	0.05	1.46	0.59	0.264583	335	1065	767	649	0.44	1.18							1598	Metal Loss		
23354	CLUSTER	YES	84223.1		36.06	2.63	38.68	22570	Valve	17394.49	Valve	3149.94	36	0.312	52	0.21	0.07	28.84	6.41	0.236111	335	912	656	649	0.51	1.06							1250	Unknown		
23359	MELO-CORR	YES	84223.52		36.48	2.2	38.68	22570	Valve	17394.92	Valve	3149.52	36	0.312	52	0.15	0.05	1.18	0.43	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23379	GirthWeld		84225.72		38.68	39.85	39.85	22580	Valve	17397.12	Valve	3147.32	36	0.312	52					12:04	335			649									1250	Unknown		
23381	CLUSTER	YES	84229.29		3.57	36.28	39.85	22580	Valve	17400.69	Valve	3143.75	36	0.312	52	0.18	0.06	11.77	1.60	0.254861	335	962	692	649	0.48	1.08							1250	Unknown		
23389	CLUSTER	YES	84236.58		10.86	28.99	39.85	22580	Valve	17407.98	Valve	3136.46	36	0.312	52	0.15	0.05	6.52	1.89	0.240972	335	1008	726	649	0.46	1.13							1250	Unknown		
23394	CLUSTER	YES	84237		11.28	28.57	39.85	22580	Valve	17408.4	Valve	3136.04	36	0.312	52	0.15	0.05	2.94	1.95	0.254861	335	1047	754	649	0.44	1.16							1250	Unknown		
23397	MELO-CORR	YES	84243.14		17.42	22.43	39.85	22580	Valve	17414.54	Valve	3129.9	36	0.312	52	0.15	0.05	1.14	0.16	6:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23399	CLUSTER	YES	84251.92		26.2	13.65	39.85	22580	Valve	17423.32	Valve	3121.12	36	0.312	52	0.16	0.05	4.26	0.69	6:18	335	1027	740	649	0.45	1.14							1250	Unknown		
23402	CLUSTER	YES	84255.58		29.86	9.99	39.85	22580	Valve	17426.98	Valve	3117.46	36	0.312	52	0.24	0.08	7.80	1.23	0.258333	335	949	683	649	0.49	1.11							1250	Unknown		
23406	GirthWeld		84265.57		39.85	39.48	39.49	22590	Valve	17436.97	Valve	3107.47	36	0.312	52					0.395833	335			649									1250	Unknown		
23407	MELO-CORR	YES	84302.38		36.81	2.68	39.49	22590	Valve	17473.78	Valve	3070.66	36	0.312	52	0.16	0.05	1.22	0.16	0.226389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
23408	GirthWeld		84305.05		39.48	39.48	39.47	22600	Valve	17476.45	Valve	3067.99	36	0.312	52					11:02	335			649									1250	Unknown		
23409	GirthWeld		84344.53		39.48	39.43	39.43	22610	Valve	17515.93	Valve	3028.51	36	0.312	52					1:38	335			649									1250	Unknown		
23410	GirthWeld		84383.96		39.43	39.8	39.8	22620	Valve	17555.36	Valve	2989.08	36	0.312	52					0.529167	335			649									1250	Unknown		
23411	GirthWeld		84423.76		39.79	39.86	39.86	22630	Valve	17595.15	Valve	2949.28	36	0.312	52					0.424306	335			649									1250	Unknown		
23413	CLUSTER	YES	84438.1		14.34	25.52	39.86	22630	Valve	17609.5	Valve	2934.94	36	0.312	52	0.45	0.14	8.96	3.61	0.243056	335	795	573	649	0.58	1.00							1250	Unknown		
23419	CLUSTER	YES	84451.67		27.91	11.95	39.86	22630	Valve	17623.07	Valve	2921.37	36	0.312	52	0.15	0.05	4.40	0.54	6:13	335	1029	741	649	0.45	1.14							1250	Unknown		
23421	GirthWeld		84463.62		39.86	39.73	39.73	22640	Valve	17635.02	Valve	2909.42	36	0.312	52					9:01	335			649									1250	Unknown		
23423	CLUSTER	YES	84483.04		19.42	20.31	39.73	22640	Valve	17654.44	Valve	2890	36	0.312	52	0.15	0.05	12.97	2.36	0.25	335	978	704	649	0.48	1.09							1250	Unknown		
23430	GirthWeld		84503.35		39.73	28.63	28.63	22650	Valve	17674.74	Valve	2869.69	36	0.312	52					0.041667	335			649									1250	Unknown		
23431	GirthWeld		84531.97		28.62	39.78	39.78	22660	Valve	17703.37	Valve	2841.07	36	0.312	52					0.486111	335			649									1250	Unknown		
23432	GirthWeld		84571.75		39.78	39.76	39.76	22670	Valve	17743.15	Valve	2801.29	36	0.312	52					1:00	335			649									1250	Unknown		
23433	MELO-CORR	YES	84606.78		35.03	4.74	39.76	22670	Valve	17778.18	Valve	2766.26	36	0.312	52	0.16	0.05	1.18	0.20	6:17	335	1069	769	649	0.44	1.19							1598	Metal Loss		
23434	GirthWeld		84611.51		39.76	32.22	32.22	22680	Valve	17782.91	Valve	2761.53	36	0.312	52					0.419444	335			649									1250	Unknown		
23435	GirthWeld		84643.73		32.22	39.76	39.76	22690	Valve	17815.13	Valve	2729.31	36	0.312	52					0.452778	335			649									1250	Unknown		
23436	GirthWeld		84683.49		39.76	39.84	39.84	22700	Valve	17854.89	Valve	2689.55	36	0.312	52					0.075	335			649									1250	Unknown		
23437	GirthWeld		84723.33		39.84	38.77	38.78	22710	Valve	17894.73	Valve	2649.71	36	0.312	52					12:08	335			649									1250	Unknown		
23438	GirthWeld		84762.1		38.77	39.86	39.85	22720	Valve	17933.5	Valve	2610.93	36	0.312	52					10:18	335			649									1250	Unknown		
23440	CLUSTER	YES	84773.14		11.04	28.82	39.85	22720	Valve	17944.54	Valve	2599.9	36	0.312	52	0.23	0.07	4.30	0.91	0.238194	335	1003	722	649	0.46	1.14							1250	Unknown		
23443	CLUSTER	YES	84773.61		11.51	28.35	39.85	22720	Valve	17945.01	Valve	2599.43	36	0.312	52	0.18	0.06	4.54	0.41	0.238194	335	1017	732	649	0.46	1.14		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
23525	CLUSTER	YES	84793.76		31.66	8.19	39.85	22720	Valve	17965.16	Valve	2579.28	36	0.312	52	0.18	0.06	3.10	1.04	6:04	335	1038	748	649	0.45	1.16							1250	Unknown		
23529	CLUSTER	YES	84794.31		32.21	7.65	39.85	22720	Valve	17965.71	Valve	2578.73	36	0.312	52	0.17	0.05	6.71	0.66	6:10	335	997	718	649	0.47	1.12							1250	Unknown		
23532	GirthWeld		84801.96		39.86	39.41	39.41	22730	Valve	17973.36	Valve	2571.08	36	0.312	52					0.380556	335			649									1250	Unknown		
23533	GirthWeld		84841.37		39.41	34.02	34.02	22740	Valve	18012.77	Valve	2531.67	36	0.312	52					0.448611	335			649									1250	Unknown		
23534	GirthWeld		84875.39		34.02	39.84	39.84	22750	Valve	18046.79	Valve	2497.65	36	0.312	52					0.503472	335			649									1250	Unknown		
23535	GirthWeld		84915.23		39.84	39.93	39.93	22760	Valve	18086.63	Valve	2457.81	36	0.312	52					11:08	335			649									1250	Unknown		
23536	GirthWeld		84955.16		39.93	38.85	38.85	22770	Valve	18126.56	Valve	2417.88	36	0.312	52					12:26	335			649									1250	Unknown		
23537	GirthWeld		84994.01		38.85	39.75	39.75	22780	Valve	18165.41	Valve	2379.03	36	0.312	52					0.48125	335			649									1250	Unknown		
23539	CLUSTER	YES	85009.54		15.53	24.21	39.75	22780	Valve	18180.94	Valve	2363.5	36	0.312	52	0.25	0.08	4.88	0.41	0.241667	335	984	708	649	0.47	1.13							1250	Unknown		
23543	CLUSTER	YES	85011.16		17.15	22.6	39.75	22780	Valve	18182.56	Valve	2361.88	36	0.312	52	0.15	0.05	2.24	0.25	0.242361	335	1057	761	649	0.44	1.17							1250	Unknown		
23546	CLUSTER	YES	85012.24		18.23	21.52	39.75	22780	Valve	18183.64	Valve	2360.8	36	0.312	52	0.19	0.06	16.28	1.13	5:45	335	942	678	649	0.49	1.09							1250	Unknown		
23553	MELO-CORR	YES	85015.39		21.38	18.37	39.75	22780	Valve	18186.79	Valve	2357.65	36	0.312	52	0.16	0.05	1.22	0.20	5:49	335	1068	769	649	0.44	1.19							1598	Metal Loss		
23555	CLUSTER	YES	85015.6		21.59	18.15	39.75	22780	Valve	18187	Valve	2357.44	36	0.312	52	0.24	0.08	5.03	1.01	0.240278	335	985	709	649	0.47	1.13							1250	Unknown		
23558	MELO-CORR	YES	85016.75		22.74	17.01	39.75	22780	Valve	18188.15	Valve	2356.29	36	0.312	52	0.15	0.05	1.10	0.16	0.241667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23560	CLUSTER	YES	85017.51		23.5	16.25	39.75	22780	Valve	18188.91	Valve	2355.53	36	0.312	52	0.15	0.05	6.83	0.47	0.240278	335	1006	724	649	0.46	1.12							1250	Unknown		
23564	CLUSTER	YES	85019.57		25.56	14.18	39.75	22780	Valve	18190.97	Valve	2353.47	36	0.312	52	0.22	0.07	6.32	0.47	5:48	335	976	703	649	0.48	1.12							1250	Unknown		
23569	CLUSTER	YES	85022.27		28.26	11.48	39.75	22780	Valve	18193.67	Valve	2350.76	36	0.312	52	0.17	0.05	5.59	0.69	5:52	335	1008	726	649	0.46	1.13							1250	Unknown		
23572	CLUSTER	YES	85024.72		30.71	9.03	39.75	22780	Valve	18196.12	Valve	2348.32	36	0.312	52	0.17	0.05	6.76	0.94	0.264583	335	996	717	649	0.47	1.12							1250	Unknown		
23577	CLUSTER	YES	85026.32		32.31	7.43	39.75	22780	Valve	18197.72	Valve	2346.72	36	0.312	52	0.15	0.05	3.17	0.60	0.267361	335	1045	752	649	0.45	1.16							1250	Unknown		
23579	MELO-CORR	YES	85029.14		35.13	4.61	39.75	22780	Valve	18200.54	Valve	2343.9	36	0.312	52	0.15	0.05	1.10	0.20	0.270833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23580	MELO-CORR	YES	85029.74		35.73	4.02	39.75	22780	Valve	18201.13	Valve	2343.3	36	0.312	52	0.17	0.05	1.14	0.35	6:21	335	1069	769	649	0.44	1.19							1598	Metal Loss		
23581	GirthWeld		85033.76		39.75	39.88	39.88	22790	Valve	18205.15	Valve	2339.28	36	0.312	52					12:03	335			649									1250	Unknown		
23582	MELO-CORR	YES	85034.69		0.93	38.95	39.88	22790	Valve	18206.09	Valve	2338.35	36	0.312	52	0.15	0.05	1.10	0.39	0.265972	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23584	CLUSTER	YES	85040.67		6.91	32.97	39.88	22790	Valve	18212.07	Valve	2332.37	36	0.312	52	0.21	0.07	10.07	5.37	0.240278	335	950	684	649	0.49	1.10							1250	Unknown		
23592	CLUSTER	YES	85043.02		9.26	30.62	39.88	22790	Valve	18214.42	Valve	2330.02	36	0.312	52	0.29	0.09	30.62	5.88	0.241667	335	845	608	649	0.55	1.05							1250	Unknown		
23617	MELO-CORR	YES	85045.51		11.75	28.13	39.88	22790	Valve	18216.91	Valve	2327.53	36	0.312	52	0.15	0.05	1.22	0.20	5:52	335	1069	769	649	0.44	1.19							1598	Metal Loss		
23619	CLUSTER	YES	85045.9		12.14	27.74	39.88	22790	Valve	18217.3	Valve	2327.14	36	0.312	52	0.17	0.05	27.23	5.84	5:51	335	945	680	649	0.49	1.08							1250	Unknown		
23646	MELO-CORR	YES	85047.58		13.82	26.06	39.88	22790	Valve	18218.98	Valve	2325.46	36	0.312	52	0.19	0.06	1.34	0.16	0.263889	335	1065	767	649	0.44	1.18							1598	Metal Loss		
23650	CLUSTER	YES	85048.22		14.46	25.42	39.88	22790	Valve	18219.62	Valve	2324.82	36	0.312	52	0.15	0.05	2.90	0.63	0.2125	335	1048	754	649	0.44	1.16							1250	Unknown		
23653	CLUSTER	YES	85048.74		14.98	24.9	39.88	22790	Valve	18220.14	Valve	2324.3	36	0.312	52	0.18	0.06	20.12	6.54	0.240972	335	943	679	649	0.49	1.08							1250	Unknown		
23663	CLUSTER	YES	85049.82		16.06	23.82	39.88	22790	Valve	18221.22	Valve	2323.22	36	0.312	52	0.15	0.05	4.08	2.08	5:20	335	1032	743	649	0.45	1.15							1250	Unknown		
23668	CLUSTER	YES	85050.63		16.87	23.01	39.88	22790	Valve	18222.03	Valve	2322.41	36	0.312	52	0.3	0.09	82.04	11.63	5:25	335	810	583	649	0.57	0.98							1250	Unknown		
23733	CLUSTER	YES	85054.64		20.88	19	39.88	22790	Valve	18226.04	Valve	2318.4	36	0.312	52	0.19	0.06	14.82	3.17	0.263889	335	945	681	649	0.49	1.09							1250	Unknown		
23763	CLUSTER	YES	85058.64		24.88	15	39.88	22790	Valve	18230.04	Valve	2314.4	36	0.312	52	0.17	0.05	21.52	2.64	0.227083	335	949	683	649	0.49	1.07							1250	Unknown		
23778	MELO-CORR	YES	85063.38		29.62	10.26	39.88	22790	Valve	18234.78	Valve	2309.66	36	0.312	52	0.15	0.05	2.32	0.63	0.26875	335	1056	760	649	0.44	1.17							1598	Metal Loss		
23779	MELO-CORR	YES	85063.96		30.2	9.68	39.88	22790	Valve	18235.36	Valve	2309.08	36	0.312	52	0.16	0.05	1.22	0.24	5:24	335	1068	769	649	0.44	1.19							1598	Metal Loss		
23781	CLUSTER	YES	85065.63		31.87	8.01	39.88	22790	Valve	18237.03	Valve	2307.41	36	0.312	52	0.15	0.05	10.81	4.65	6:24	335	985	709	649	0.47	1.10							1250	Unknown		
23792	CLUSTER	YES	85067.15		33.39	6.49	39.88	22790	Valve	18238.55	Valve	2305.89	36	0.312	52	0.18	0.06	12.96	3.46	0.261111	335	958	689	649	0.49	1.07							1250	Unknown		
23800	CLUSTER	YES	85068.25		34.49	5.39	39.88	22790	Valve	18239.65	Valve	2304.79	36	0.312	52	0.26	0.08	2.33	0.79	0.259028	335	1038	748	649	0.45	1.16							1250	Unknown		
23803	CLUSTER	YES	85068.6		34.84	5.04	39.88	22790	Valve	18240	Valve	2304.44	36	0.312	52	0.15	0.05	14.94	2.61	0.258333	335	973	701	649	0.48	1.09							1250	Unknown		
23811	CLUSTER	YES	85070.35		36.59	3.29	39.88	22790	Valve	18241.75	Valve	2302.69	36	0.312	52	0.19	0.06	9.61	1.51	5:51	335	965	695	649	0.48	1.10							1250	Unknown		
23818	CLUSTER	YES	85071.4		37.64	2.24	39.88	22790	Valve	18242.8	Valve	2301.64	36	0.312	52	0.18	0.06	3.61	0.47	5:47	335	1030	742	649	0.45	1.15							1250	Unknown		
23820	GirthWeld		85073.64		39.88	8.63	8.63	22800	Valve	18245.04	Valve	2299.4	36	0.312	52					0.379167	335			649									1250	Unknown		
23821	MELO-CORR	YES	85077.63		3.99	4.64	8.63	22800	Valve	18249.03	Valve	2295.41	36	0.312	52	0.17	0.05	1.06	0.16	0.240278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23822	GirthWeld		85082.27		8.63	28.55	28.56	22810	Valve	18253.67	Valve	2290.77	36	0.312	52					0.433333	335			649									1250	Unknown		
23824	CLUSTER	YES	85096.93		14.66	13.89	28.56	22810	Valve	18268.33	Valve	2276.11	36	0.312	52	0.24	0.08	4.40	0.57	6:16	335	997	718	649	0.47	1.14							1250	Unknown		
23829	CLUSTER	YES	85098.21		15.94	12.61	28.56	22810	Valve	18269.61	Valve	2274.83	36	0.312	52	0.26	0.08	8.29	1.29	6:13	335	932	671	649	0.50	1.08							1250	Unknown		
23833	GirthWeld		85110.82		28.55	39.85	39.86	22820	Valve	18282.22	Valve	2262.21	36	0.312	52					0.526389	335			649									1250	Unknown		
23834	GirthWeld		85150.68		39.86	39.8	39.8	22830	Valve	18322.08	Valve	2222.36	36	0.312	52					0.091667	335			649									1250	Unknown		
23835	GirthWeld		85190.48		39.8	39.28	39.28	22840	Valve	18361.88	Valve	2182.56	36	0.312	52					0.311111	335			649									1250	Unknown		
23836	GirthWeld		85229.76		39.29	39.81	39.8	22850	Valve	18401.16	Valve	2143.27	36	0.312	52					10:16	335			649									1250	Unknown		
23837	GirthWeld		85269.57		39.81	16.62	16.62	22860	Valve	18440.97	Valve	2103.47	36	0.312	52					12:14	335			649									1250	Unknown		
23838	GirthWeld		85286.19		16.62	39.95	39.95	22870	Valve	18457.59	Valve	2086.85	36	0.312	52					0.059722	335			649									1250	Unknown		
23839	GirthWeld		85326.14		39.95	38.96	38.96	22880	Valve	18497.54	Valve	2046.9	36	0.312	52					0.427083	335			649									1250	Unknown		
23841	CLUSTER	YES	85345.16		19.02	19.94	38.96	22880	Valve	18516.56	Valve	2027.88	36	0.312	52	0.19	0.06	13.99	4.21	0.229167	335	948	682	649	0.49	1.09							1250	Unknown		
23852	MELO-CORR	YES	85346.42		20.28	18.68	38.96	22880	Valve	18517.82	Valve	2026.62	36	0.312	52	0.15	0.05	1.10	0.43	5:36	335	1070	770	649	0.43	1.19							1598	Metal Loss		
23854	CLUSTER	YES	85346.6		20.46	18.51	38.96	22880	Valve	18517.99	Valve	2026.44	36	0.312	52	0.16	0.05	11.63	6.29	5:15	335	975	702	649	0.48	1.10							1250	Unknown		
23863	CLUSTER	YES	85347.8		21.66	17.3	38.96	22880	Valve	18519.2	Valve	2025.24	36	0.312	52	0.23	0.07	3.36	0.97	0.242361	335	1021	735	649	0.46	1.15							1250	Unknown		
23866	MELO-CORR	YES	85348.21		22.07	16.89	38.96	22880	Valve	18519.61	Valve	2024.83	36	0.312	52	0.15	0.05	1.14	0.16	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
23867	MELO-CORR	YES	85349.59		23.45	15.51	38.96	22880	Valve	18520.99	Valve	2023.45	36	0.312	52	0.18	0.06	1.34	0.20	0.240278	335	1066	767	649	0.44	1.18							1598	Metal Loss		
23869	CLUSTER	YES	85349.82		23.68	15.28	38.96	22880	Valve	18521.22	Valve	2023.22	36	0.312	52	0.17	0.05	14.02	2.61	5:35	335	961	692	649	0.48	1.09							1250	Unknown		
23873	CLUSTER	YES	85350.18		24.04	14.92	38.96	22880	Valve	18521.58	Valve	2022.86	36	0.312	52	0.22	0.07	7.45	0.79	6:11	335	964	694	649	0.48	1.08							1250	Unknown		
23882	CLUSTER	YES	85352.01		25.87	13.09	38.96	22880	Valve	18523.41	Valve	2021.03	36	0.312	52	0.22	0.07	20.96	2.01	0.258333	335	912	656	649	0.51	1.06							1250	Unknown		
23888	CLUSTER	YES	85352.53		26.39	12.57	38.96	22880	Valve	18523.93	Valve	2020.51	36	0.312	52	0.19	0.06	16.52	1.79	0.233333	335	941	678	649	0.49	1.08							1250	Unknown		
23905	CLUSTER	YES	85353.86		27.72	11.24	38.96	22880	Valve	18525.26	Valve	2019.18	36	0.312	52	0.24	0.08	7.03	1.54	0.257639	335	957	689	649	0.49	1.11							1250	Unknown		
23910	CLUSTER	YES	85355.52		29.38	9.58	38.96	22880	Valve	18526.92	Valve	2017.52	36	0.312	52	0.21	0.07	13.43	1.95	6:06	335	935	673	649	0.50	1.06							1250	Unknown		
23917	CLUSTER	YES	85358.52		32.38	6.58	38.96	22880	Valve	18529.92	Valve	2014.52	36	0.312	52	0.2	0.06	4.56	0.35	6:12	335	1009	726	649	0.46	1.13							1250	Unknown		
23919	GirthWeld		85365.1		38.96	17.7	17.7	22890	Valve	18536.5	Valve	2007.94	36	0.312	52					0.397917	335			649									1250	Unknown		
23921	CLUSTER	YES	85365.59		0.49	17.21	17.7	22890	Valve	18536.99	Valve	2007.45	36	0.312	52	0.17	0.05	23.26	2.80	0.249306	335	948	682	649	0.49	1.08							1250	Unknown		
23932	GirthWeld		85382.8		17.7	20.91	20.91	22900	Valve	18554.2	Valve	1990.24	36	0.312	52					0.402083	335			649									1250	Unknown		
23933	MELO-CORR	YES	85384.93		2.13	18.79	20.91	22900	Valve	18556.33	Valve	1988.11	36	0.312	52	0.15	0.05	1.22	0.39	4:27	335	1069	769	649	0.44	1.19							1598	Metal Loss		
23935	CLUSTER	YES	85394.26		11.46	9.45	20.91	22900	Valve	18565.66	Valve	1978.77	36	0.312	52	0.16	0.05	16.94	4.96	5:43	335	963	693	649	0.48	1.08							1250	Unknown		
23947	GirthWeld		85403.71		20.91	39.55	39.55	22910	Valve	18575.11	Valve	1969.33	36	0.312	52					0.14375	335			649									1250	Unknown		
23949	CLUSTER	YES	85405.35		1.64	37.91	39.55	22910	Valve	18576.75	Valve	1967.69	36	0.312	52	0.16	0.05	16.64	7.54	0.241667	335	963	693	649	0.48	1.09							1250	Unknown		
23964	CLUSTER	YES	85409.36		5.65	33.9	39.55	22910	Valve	18580.76	Valve	1963.68	36	0.312	52	0.36	0.11	17.02	3.55	0.243056	335	810	583	649	0.57	1.04							1250	Unknown		
23975	CLUSTER	YES	85414.52		10.81	28.74	39.55	22910	Valve	18585.92	Valve	1958.52	36	0.312	52	0.24	0.08	7.22	1.07	6:02	335	955	688	649	0.49	1.09							1250	Unknown		
23980	CLUSTER	YES	85415.21		11.5	28.05	39.55	22910	Valve	18586.61	Valve	1957.83	36	0.312	52	0.15	0.05	24.16	4.53	5:34	335	962	693	649	0.48	1.08							1250	Unknown		
23997	CLUSTER	YES	85417.4		13.69	25.86	39.55	22910	Valve	18588.8	Valve	1955.64	36	0.312	52	0.17	0.05	3.90	0.57	0.238889	335	1029	741	649	0.45	1.15							1250	Unknown		
24001	CLUSTER	YES	85422.56		18.85	20.71	39.55	22910	Valve	18593.96	Valve	1950.48	36	0.312	52	0.16	0.05	7.82	1.57	0.261111	335	993	715	649	0.47	1.11							1250	Unknown		
24006	CLUSTER	YES	85423.33		19.62	19.93	39.55	22910	Valve	18594.73	Valve	1949.71	36	0.312	52	0.15	0.05	5.82	1.89	0.257639	335	1014	730	649	0.46	1.13							1250	Unknown		
24009	CLUSTER	YES	85426.27		22.56	17	39.55	22910	Valve	18597.67	Valve	1946.77	36	0.312	52	0.17	0.05	1.87	0.72	6:52	335	1059	763	649	0.44	1.18							1250	Unknown		
24012	CLUSTER	YES	85426.64		22.93	16.62	39.55	22910	Valve	18598.04	Valve	1946.4	36	0.312	52	0.17	0.05	10.13	7.07	6:10	335	975	702	649	0.48	1.10							1250	Unknown		
24020	MELO-CORR	YES	85427.73		24.02	15.54	39.55	22910	Valve	18599.13	Valve	1945.31	36	0.312	52	0.16	0.05	1.10	0.35	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24021	MELO-CORR	YES	85430.94		27.23	12.33	39.55	22910	Valve	18602.34	Valve	1942.1	36	0.312	52	0.16	0.05	1.10	0.20	0.275	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24022	GirthWeld		85443.26		39.55	39.74	39.74	22920	Valve	18614.66	Valve	1929.78	36	0.312	52					0.081944	335			649									1250	Unknown		
24023	GirthWeld		85483		39.74	39.79	39.79	22930	Valve	18654.4	Valve	1890.04	36	0.312	52					11:38	335			649									1250	Unknown		
24024	GirthWeld		85522.79		39.79	39.92	39.92	22940	Valve	18694.19	Valve	1850.25	36	0.312	52					10:10	335			649									1250	Unknown		
24025	MELO-CORR	YES	85536.5		13.71	26.21	39.92	22940	Valve	18707.9	Valve	1836.54	36	0.312	52	0.15	0.05	1.18	0.20	0.264583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24026	MELO-CORR	YES	85556.15		33.36	6.56	39.92	22940	Valve	18727.55	Valve	1816.89	36	0.312	52	0.15	0.05	1.10	0.35	0.269444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
24027	GirthWeld		85562.71		39.92	39.88	39.89	22950	Valve	18734.1	Valve	1810.33	36	0.312	52					0.056944	335			649									1250	Unknown		
24028	MIFE	n/a	85563.26		0.55	39.33	39.89	22950	Valve	18734.66	Valve	1809.78	36	0.312	52					12:41	335			649									2167	Mill Anomaly		
24030	CLUSTER	YES	85566.3		3.59	36.29	39.89	22950	Valve	18737.7	Valve	1806.74	36	0.312	52	0.23	0.07	14.93	3.96	5:46	335	916	660	649	0.51	1.07							1250	Unknown		
24038	CLUSTER	YES	85568.09		5.38	34.51	39.89	22950	Valve	18739.49	Valve	1804.95	36	0.312	52	0.17	0.05	3.16	0.66	0.275694	335	1040	749	649	0.45	1.16							1250	Unknown		
24041	CLUSTER	YES	85575.7		12.99	26.9	39.89	22950	Valve	18747.1	Valve	1797.34	36	0.312	52	0.16	0.05	8.74	2.70	0.248611	335	988	711	649	0.47	1.11							1250	Unknown		
24048	CLUSTER	YES	85577.32		14.61	25.27	39.89	22950	Valve	18748.72	Valve	1795.72	36	0.312	52	0.31	0.10	3.11	2.14	0.248611	335	1005	724	649	0.46	1.12							1250	Unknown		
24052	CLUSTER	YES	85583.59		20.88	19.01	39.89	22950	Valve	18754.99	Valve	1789.45	36	0.312	52	0.15	0.05	3.30	2.48	6:03	335	1043	751	649	0.45	1.16							1250	Unknown		
24055	CLUSTER	YES	85589.38		26.67	13.21	39.89	22950	Valve	18760.78	Valve	1783.65	36	0.312	52	0.18	0.06	12.90	7.54	5:56	335	958	690	649	0.49	1.08							1250	Unknown		
24069	CLUSTER	YES	85592.5		29.79	10.1	39.89	22950	Valve	18763.9	Valve	1780.54	36	0.312	52	0.19	0.06	21.67	3.68	0.255556	335	934	672	649	0.50	1.06							1250	Unknown		
24082	CLUSTER	YES	85596.19		33.48	6.4	39.89	22950	Valve	18767.59	Valve	1776.85	36	0.312	52	0.29	0.09	30.14	8.26	0.233333	335	845	609	649	0.55	1.05							1250	Unknown		
24107	CLUSTER	YES	85598.96		36.25	3.64	39.89	22950	Valve	18770.36	Valve	1774.08	36	0.312	52	0.23	0.07	15.83	2.20	0.263889	335	914	658	649	0.51	1.06							1250	Unknown		
24118	GirthWeld		85602.59		39.88	39.33	39.33	22960	Valve	18773.99	Valve	1770.45	36	0.312	52					3:32	335			649									1250	Unknown		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
24298	MELO-CORR	YES	85624.7		22.11	17.22	39.33	22960	Valve	18796.1	Valve	1748.34	36	0.312	52	0.19	0.06	1.22	0.32	5:17	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24302	CLUSTER	YES	85624.91		22.32	17.01	39.33	22960	Valve	18796.31	Valve	1748.13	36	0.312	52	0.19	0.06	12.17	3.96	6:20	335	953	686	649	0.49	1.09							1250	Unknown		
24309	CLUSTER	YES	85625.33		22.74	16.59	39.33	22960	Valve	18796.73	Valve	1747.71	36	0.312	52	0.22	0.07	9.00	1.48	0.217361	335	950	684	649	0.49	1.10							1250	Unknown		
24324	MELO-CORR	YES	85626.06		23.47	15.86	39.33	22960	Valve	18797.46	Valve	1746.98	36	0.312	52	0.17	0.05	1.30	0.55	0.234028	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24326	CLUSTER	YES	85627.38		24.79	14.54	39.33	22960	Valve	18798.78	Valve	1745.66	36	0.312	52	0.16	0.05	1.84	0.54	0.286111	335	1061	764	649	0.44	1.18							1250	Unknown		
24328	MELO-CORR	YES	85627.85		25.26	14.07	39.33	22960	Valve	18799.25	Valve	1745.19	36	0.312	52	0.16	0.05	1.14	0.47	5:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24330	CLUSTER	YES	85628.29		25.7	13.63	39.33	22960	Valve	18799.69	Valve	1744.75	36	0.312	52	0.24	0.08	5.87	2.01	5:55	335	972	700	649	0.48	1.09							1250	Unknown		
24335	CLUSTER	YES	85628.69		26.1	13.23	39.33	22960	Valve	18800.09	Valve	1744.35	36	0.312	52	0.18	0.06	1.73	1.82	0.265972	335	1060	764	649	0.44	1.18							1250	Unknown		
24338	CLUSTER	YES	85628.91		26.32	13.01	39.33	22960	Valve	18800.31	Valve	1744.13	36	0.312	52	0.19	0.06	7.73	3.08	0.240972	335	978	704	649	0.48	1.10							1250	Unknown		
24345	CLUSTER	YES	85629.93		27.35	11.99	39.33	22960	Valve	18801.33	Valve	1743.1	36	0.312	52	0.17	0.05	2.87	2.58	0.236806	335	1044	752	649	0.45	1.16							1250	Unknown		
24349	MELO-CORR	YES	85631.75		29.16	10.17	39.33	22960	Valve	18803.15	Valve	1741.29	36	0.312	52	0.18	0.06	0.91	0.43	5:41	335	1070	771	649	0.43	1.19							1598	Metal Loss		
24351	CLUSTER	YES	85633.22		30.63	8.7	39.33	22960	Valve	18804.62	Valve	1739.82	36	0.312	52	0.15	0.05	3.04	0.79	6:23	335	1046	753	649	0.44	1.16							1250	Unknown		
24354	CLUSTER	YES	85633.91		31.32	8.01	39.33	22960	Valve	18805.31	Valve	1739.13	36	0.312	52	0.21	0.07	38.72	8.58	0.236806	335	904	651	649	0.51	1.07							1250	Unknown		
24358	MELO-CORR	YES	85634.35		31.76	7.57	39.33	22960	Valve	18805.75	Valve	1738.69	36	0.312	52	0.15	0.05	1.14	0.20	0.330556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24360	MELO-CORR	YES	85634.39		31.8	7.53	39.33	22960	Valve	18805.79	Valve	1738.65	36	0.312	52	0.15	0.05	1.10	0.20	0.21875	335	1070	770	649	0.43	1.19							1598	Metal Loss		
24374	CLUSTER	YES	85635.37		32.78	6.56	39.33	22960	Valve	18806.77	Valve	1737.67	36	0.312	52	0.19	0.06	2.29	0.41	6:29	335	1050	756	649	0.44	1.17							1250	Unknown		
24409	MELO-CORR	YES	85637.93		35.34	3.99	39.33	22960	Valve	18809.33	Valve	1735.11	36	0.312	52	0.18	0.06	1.22	0.20	5:54	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24411	CLUSTER	YES	85638.23		35.64	3.69	39.33	22960	Valve	18809.63	Valve	1734.81	36	0.312	52	0.28	0.09	34.67	7.20	0.240972	335	849	611	649	0.55	1.04							1250	Unknown		
24447	GirthWeld		85641.92		39.33	39.78	39.78	22970	Valve	18813.32	Valve	1731.12	36	0.312	52					0.425	335			649									1250	Unknown		
24449	CLUSTER	YES	85642.79		0.87	38.91	39.78	22970	Valve	18814.19	Valve	1730.25	36	0.312	52	0.25	0.08	21.02	7.86	0.234028	335	888	639	649	0.52	1.07							1250	Unknown		
24471	CLUSTER	YES	85647.91		5.99	33.79	39.78	22970	Valve	18819.31	Valve	1725.13	36	0.312	52	0.15	0.05	4.38	3.21	5:49	335	1029	741	649	0.45	1.14							1250	Unknown		
24475	CLUSTER	YES	85648.09		6.17	33.62	39.78	22970	Valve	18819.49	Valve	1724.95	36	0.312	52	0.2	0.06	2.68	0.41	6:32	335	1042	750	649	0.45	1.16							1250	Unknown		
24479	CLUSTER	YES	85648.78		6.86	32.92	39.78	22970	Valve	18820.18	Valve	1724.26	36	0.312	52	0.2	0.06	24.40	4.68	0.240972	335	923	665	649	0.50	1.07							1250	Unknown		
24500	CLUSTER	YES	85652.01		10.09	29.69	39.78	22970	Valve	18823.41	Valve	1721.03	36	0.312	52	0.24	0.08	30.53	5.47	0.247222	335	886	638	649	0.53	1.05							1250	Unknown		
24517	MELO-CORR	YES	85654.34		12.42	27.36	39.78	22970	Valve	18825.74	Valve	1718.7	36	0.312	52	0.2	0.06	1.22	0.24	0.235417	335	1066	768	649	0.44	1.18							1598	Metal Loss		
24518	MELO-CORR	YES	85654.44		12.52	27.26	39.78	22970	Valve	18825.84	Valve	1718.6	36	0.312	52	0.17	0.05	1.10	0.20	5:11	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24521	CLUSTER	YES	85654.62		12.7	27.08	39.78	22970	Valve	18826.02	Valve	1718.42	36	0.312	52	0.19	0.06	2.15	0.47	5:40	335	1052	758	649	0.44	1.17							1250	Unknown		
24524	CLUSTER	YES	85655.53		13.61	26.18	39.78	22970	Valve	18826.93	Valve	1717.51	36	0.312	52	0.19	0.06	24.22	6.13	0.239583	335	931	671	649	0.50	1.06							1250	Unknown		
24538	CLUSTER	YES	85656.89		14.97	24.81	39.78	22970	Valve	18828.29	Valve	1716.15	36	0.312	52	0.2	0.06	7.60	2.29	0.259722	335	973	701	649	0.48	1.11							1250	Unknown		
24547	CLUSTER	YES	85657.61		15.69	24.09	39.78	22970	Valve	18829.01	Valve	1715.43	36	0.312	52	0.31	0.10	44.35	6.79	0.234028	335	816	587	649	0.57	1.03							1250	Unknown		
24567	MELO-CORR	YES	85659.21		17.29	22.49	39.78	22970	Valve	18830.61	Valve	1713.83	36	0.312	52	0.23	0.07	1.14	0.20	6:24	335	1066	767	649	0.44	1.18							1598	Metal Loss		
24582	MELO-CORR	YES	85666.08		24.16	15.62	39.78	22970	Valve	18837.48	Valve	1706.96	36	0.312	52	0.25	0.08	1.38	0.20	5:28	335	1061	764	649	0.44	1.18							1598	Metal Loss		
24584	CLUSTER	YES	85666.79		24.87	14.92	39.78	22970	Valve	18838.19	Valve	1706.25	36	0.312	52	0.22	0.07	7.00	0.94	0.226389	335	968	697	649	0.48	1.10							1250	Unknown		
24590	CLUSTER	YES	85668.49		26.57	13.21	39.78	22970	Valve	18839.89	Valve	1704.55	36	0.312	52	0.22	0.07	22.91	5.69	0.224306	335	909	655	649	0.51	1.06							1250	Unknown		
24594	CLUSTER	YES	85668.83		26.91	12.87	39.78	22970	Valve	18840.23	Valve	1704.21	36	0.312	52	0.18	0.06	4.57	0.38	0.259722	335	1016	732	649	0.46	1.14							1250	Unknown		
24601	CLUSTER	YES	85669.43		27.51	12.28	39.78	22970	Valve	18840.83	Valve	1703.61	36	0.312	52	0.22	0.07	4.37	1.04	6:12	335	1005	723	649	0.46	1.14							1250	Unknown		
24617	CLUSTER	YES	85670.86		28.94	10.84	39.78	22970	Valve	18842.26	Valve	1702.18	36	0.312	52	0.18	0.06	2.96	0.79	5:28	335	1041	750	649	0.45	1.16							1250	Unknown		
24619	MELO-CORR	YES	85671.1		29.18	10.6	39.78	22970	Valve	18842.5	Valve	1701.94	36	0.312	52	0.18	0.06	1.22	0.16	0.247222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24621	CLUSTER	YES	85671.42		29.5	10.28	39.78	22970	Valve	18842.82	Valve	1701.62	36	0.312	52	0.17	0.05	4.92	1.42	0.258333	335	1015	731	649	0.46	1.14							1250	Unknown		
24624	CLUSTER	YES	85671.69		29.77	10.01	39.78	22970	Valve	18843.09	Valve	1701.35	36	0.312	52	0.18	0.06	14.63	2.80	0.240972	335	953	686	649	0.49	1.08							1250	Unknown		
24637	CLUSTER	YES	85673.18		31.26	8.52	39.78	22970	Valve	18844.58	Valve	1699.86	36	0.312	52	0.15	0.05	12.90	2.36	5:24	335	978	704	649	0.48	1.09							1250	Unknown		
24639	CLUSTER	YES	85673.2		31.28	8.5	39.78	22970	Valve	18844.6	Valve	1699.84	36	0.312	52	0.19	0.06	10.80	5.12	5:45	335	959	691	649	0.49	1.09							1250	Unknown		
24660	CLUSTER	YES	85674.53		32.61	7.17	39.78	22970	Valve	18845.93	Valve	1698.51	36	0.312	52	0.26	0.08	31.55	9.52	0.224306	335	868	625	649	0.54	1.06							1250	Unknown		
24697	CLUSTER	YES	85677.04		35.12	4.66	39.78	22970	Valve	18848.44	Valve	1696	36	0.312	52	0.21	0.07	1.80	0.60	0.260417	335	1056	760	649	0.44	1.17							1250	Unknown		
24700	CLUSTER	YES	85677.59		35.67	4.11	39.78	22970	Valve	18848.99	Valve	1695.45	36	0.312	52	0.37	0.12	36.88	9.77	0.225	335	770	555	649	0.60	1.00							1250	Unknown		
24708	MELO-CORR	YES	85678.03		36.11	3.67	39.78	22970	Valve	18849.43	Valve	1695.01	36	0.312	52	0.16	0.05	1.18	0.16	5:23	335	1069	769	649	0.44	1.19							1598	Metal Loss		
24766	CLUSTER	YES	85680.91		38.99	0.79	39.78	22970	Valve	18852.31	Valve	1692.13	36	0.312	52	0.24	0.08	7.02	1.26	6:15	335	957	689	649	0.49	1.09							1250	Unknown		
24769	CLUSTER	YES	85681.16		39.24	0.54	39.78	22970	Valve	18852.56	Valve	1691.88	36	0.312	52	0.15	0.05	4.13	1.35	0.238889	335	1032	743	649	0.45	1.14							1250	Unknown		
24774	GirthWeld		85681.7		39.78	38.6	38.6	22980	Valve	18853.1	Valve	1691.34	36	0.312	52					0.494444	335			649									1250	Unknown		
24776	CLUSTER	YES	85681.76		0.06	38.54	38.6	22980	Valve	18853.16	Valve	1691.28	36	0.312	52	0.2	0.06	8.15	3.02	0.247917	335	969	698	649	0.48	1.08							1250	Unknown		
24783	CLUSTER	YES	85682.85		1.15	37.46	38.6	22980	Valve	18854.24	Valve	1690.19	36	0.312	52	0.31	0.10	7.66	1.89	5:40	335	909	654	649	0.51	1.07							1250	Unknown		
24784	MELO-CORR	YES	85682.9		1.2	37.4	38.6	22980	Valve	18854.3	Valve	1690.14	36	0.312	52	0.18	0.06	1.06	0.79	6:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24790	CLUSTER	YES	85683.76		2.06	36.54	38.6	22980	Valve	18855.15	Valve	1689.28	36	0.312	52	0.18	0.06	3.36	2.42	0.238889	335	1035	745	649	0.45	1.15							1250	Unknown		
24794	MELO-CORR	YES	85684.17		2.47	36.13	38.6	22980	Valve	18855.57	Valve	1688.87	36	0.312	52	0.19	0.06	0.98	0.47	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
24796	CLUSTER	YES	85684.48		2.78	35.82	38.6	22980	Valve	18855.88	Valve	1688.56	36	0.312	52	0.25	0.08	12.37	3.27	0.240972	335	911	656	649	0.51	1.06							1250	Unknown		
24803	MELO-CORR	YES	85686.18		4.48	34.12	38.6	22980	Valve	18857.58	Valve	1686.86	36	0.312	52	0.19	0.06	1.61	0.55	6:18	335	1061	764	649	0.44	1.18							1598	Metal Loss		
24805	CLUSTER	YES	85687.71		6.01	32.59	38.6	22980	Valve	18859.11	Valve	1685.33	36	0.312	52	0.28	0.09	4.48	4.81	5:46	335	979	705	649	0.48	1.08							1250	Unknown		
24812	MELO-CORR	YES	85688.99		7.29	31.31	38.6	22980	Valve	18860.39	Valve	1684.04	36	0.312	52	0.18	0.06	2.64	0.94	0.258333	335	1046	753	649	0.44	1.16							1598	Metal Loss		
24813	MELO-CORR	YES	85690.36		8.66	29.94	38.6	22980	Valve	18861.76	Valve	1682.68	36	0.312	52	0.23	0.07	2.60	0.59	0.263194	335	1037	747	649	0.45	1.15							1598	Metal Loss		
24814	AS_Sleeve		85691.66		9.96	28.64	38.6	22980	Valve	18863.06	Valve	1681.38	36	0.312	52						335			649									1789	Sleeve		
24815	AE_Sleeve		85708.82		27.13	11.48	38.6	22980	Valve	18880.22	Valve	1664.21	36	0.312	52						335			649									1789	Sleeve		
24817	CLUSTER	YES	85709.29		27.59	11.01	38.6	22980	Valve	18880.69	Valve	1663.75	36	0.312	52	0.21	0.07	3.67	1.51	5:48	335	1021	735	649	0.46	1.14							1250	Unknown		
24820	CLUSTER	YES	85709.48		27.78	10.82	38.6	22980	Valve	18880.88	Valve	1663.56	36	0.312	52	0.19	0.06	5.84	1.04	0.261111	335	996	717	649	0.47	1.12							1250	Unknown		
24824	CLUSTER	YES	85710.32		28.62	9.98	38.6	22980	Valve	18881.72	Valve	1662.72	36	0.312	52	0.35	0.11	17.44	4.78	0.240278	335	817	588	649	0.57	0.97							1250	Unknown		
24844	CLUSTER	YES	85713.18		31.48	7.12	38.6	22980	Valve	18884.58	Valve	1659.86	36	0.312	52	0.38	0.12	8.52	1.16	0.254861	335	852	613	649	0.55	0.98							1250	Unknown		
24847	MELO-CORR	YES	85715.19		33.49	5.11	38.6	22980	Valve	18886.59	Valve	1657.85	36	0.312	52	0.19	0.06	1.18	0.51	5:51	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24849	CLUSTER	YES	85715.37		33.67	4.93	38.6	22980	Valve	18886.77	Valve	1657.67	36	0.312	52	0.47	0.15	32.47	5.81	5:41	335	689	496	649	0.68	1.02							1250	Unknown		
24877	CLUSTER	YES	85718.13		36.43	2.17	38.6	22980	Valve	18889.53	Valve	1654.91	36	0.312	52	0.18	0.06	1.69	0.66	0.239583	335	1061	764	649	0.44	1.18							1250	Unknown		
24880	CLUSTER	YES	85718.49		36.79	1.81	38.6	22980	Valve	18889.89	Valve	1654.55	36	0.312	52	0.17	0.05	13.66	4.27	0.228472	335	962	693	649	0.48	1.08							1250	Unknown		
24886	CLUSTER	YES	85718.98		37.28	1.32	38.6	22980	Valve	18890.38	Valve	1654.06	36	0.312	52	0.19	0.06	5.38	0.69	0.256944	335	1001	721	649	0.46	1.12							1250	Unknown		
24893	GirthWeld		85720.3		38.6	6.9	6.9	22990	Valve	18891.7	Valve	1652.74	36	0.312	52					1:46	335			649									1250	Unknown		
24894	MELO-CORR	YES	85720.51		0.21	6.69	6.9	22990	Valve	18891.91	Valve	1652.53	36	0.312	52	0.16	0.05	1.97	0.51	5:57	335	1059	763	649	0.44	1.18							1598	Metal Loss		
24896	CLUSTER	YES	85723.4		3.1	3.81	6.9	22990	Valve	18894.79	Valve	1649.64	36	0.312	52	0.28	0.09	25.49	6.07	0.2375	335	859	618	649	0.54	1.04							1250	Unknown		
24909	CLUSTER	YES	85724.31		4.01	2.89	6.9	22990	Valve	18895.71	Valve	1648.73	36	0.312	52	0.34	0.11	28.38	6.35	0.238889	335	806	580	649	0.58	0.99							1250	Unknown		
24942	MELO-CORR	YES	85726.83		6.53	0.38	6.9	22990	Valve	18898.23	Valve	1646.21	36	0.312	52	0.21	0.07	1.14	0.51	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
24943	GirthWeld		85727.2		6.9	24.67	24.66	23000	Valve	18898.6	Valve	1645.84	36	0.312	52					11:04	335			649									1250	Unknown		
24945	CLUSTER	YES	85729.18		1.98	22.69	24.66	23000	Valve	18900.58	Valve	1643.86	36	0.312	52	0.21	0.07	20.00	5.44	5:53	335	921	663	649	0.51	1.05							1250	Unknown		
24949	CLUSTER	YES	85729.46		2.26	22.41	24.66	23000	Valve	18900.85	Valve	1643.58	36	0.312	52	0.15	0.05	8.60	2.83	0.235417	335	994	716	649	0.47	1.11							1250	Unknown		
24971	CLUSTER	YES	85732.01		4.81	19.85	24.66	23000	Valve	18903.41	Valve	1641.03	36	0.312	52	0.2	0.06	12.68	1.64	0.261111	335	945	680	649	0.49	1.09							1250	Unknown		
24981	CLUSTER	YES	85740.43		13.24	11.43	24.66	23000	Valve	18911.83	Valve	1632.6	36	0.312	52	0.15	0.05	7.15	4.56	0.247222	335	1003	722	649	0.46	1.12							1250	Unknown		
24986	GirthWeld		85751.87		24.67	39.69	39.69	23010	Valve	18923.26	Valve	1621.17	36	0.312	52					10:08	335			649									1250	Unknown		
24988	CLUSTER	YES	85754.92		3.05	36.64	39.69	23010	Valve	18926.32	Valve	1618.12	36	0.312	52	0.15	0.05	9.61	1.73	5:41	335	990	712	649	0.47	1.10							1250	Unknown		
24994	MELO-CORR	YES	85774.07		22.2	17.49	39.69	23010	Valve	18945.47	Valve	1598.97	36	0.312	52	0.15	0.05	0.87	0.20	0.276389	335	1072	772	649	0.43	1.19							1598	Metal Loss		
24995	GirthWeld		85791.56		39.69	39.74	39.74	23020	Valve	18962.96	Valve	1581.48	36	0.312	52					0.113889	335			649									1250	Unknown		
24997	CLUSTER	YES	85791.81		0.25	39.49	39.74	23020	Valve	18963.21	Valve	1581.23	36	0.312	52	0.15	0.05	4.18	1.51	0.243056	335	1032	743	649	0.45	1.15							1250	Unknown		
24999	MELO-CORR	YES	85824.84		33.28	6.46	39.74	23020	Valve	18996.24	Valve	1548.2	36	0.312	52	0.19	0.06	1.14	0.24	5:54	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25000	GirthWeld		85831.3		39.74	39.78	39.78	23030	Valve	19002.7	Valve	1541.74	36	0.312	52					1:00	335			649									1250	Unknown		
25001	MELO-CORR	YES	85856.29		24.99	14.79	39.78	23030	Valve	19027.69	Valve	1516.75	36	0.312	52	0.16	0.05	1.14	0.43	0.251389	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25002	MELO-CORR	YES	85862.47		31.17	8.62	39.78	23030	Valve	19033.87	Valve	1510.57	36	0.312	52	0.16	0.05	1.10	0.20	0.247917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25003	GirthWeld		85871.08		39.78	39.85	39.84	23040	Valve	19042.48	Valve	1501.96	36	0.312	52					0.447222	335			649									1250	Unknown		
25004	MELO-CORR	YES	85876.85		5.77	34.08	39.84	23040	Valve	19048.25	Valve	1496.19	36	0.312	52	0.15	0.05	1.22	0.43	6:24	335	1069	769	649	0.44	1.19							1598	Metal Loss		
25005	MELO-CORR	YES	85878.89		7.81	32.04	39.84	23040	Valve	19050.29	Valve	1494.15	36	0.312	52	0.15	0.05	1.14	0.16	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25007	CLUSTER	YES	85880.95		9.87	29.98	39.84	23040	Valve	19052.35	Valve	1492.09	36	0.312	52	0.18	0.06	3.01	0.32	0.26875	335	1040	749	649	0.45	1.16							1250	Unknown		
25010	CLUSTER	YES	85883.82		12.74	27.1	39.84	23040	Valve	19055.22	Valve	1489.22	36	0.312	52	0.2	0.06	2.17	0.82	0.265278	335	1051	757	649	0.44	1.17							1250	Unknown		
25012	MELO-CORR	YES	85886.56		15.48	24.36	39.84	23040	Valve	19057.96	Valve	1486.48	36	0.312	52	0.15	0.05	1.18	0.20	0.299306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25014	CLUSTER	YES	85888.56		17.48	22.37	39.84	23040	Valve	19059.96	Valve	1484.48	36	0.312	52	0.18	0.06	4.20	0.72	6:27	335	1021	735	649	0.46	1.14							1250	Unknown		
25018	CLUSTER	YES	85890.83		19.75	20.09	39.84	23040	Valve	19062.23	Valve	1482.21	36	0.312	52	0.27	0.08	5.11	0.47	6:24	335	971	699	649	0.48	1.13							1250	Unknown		
25020	MELO-CORR	YES	85892.29

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
25060	GirthWeld		86224.52		21.68	18.92	18.92	23140	Valve	19395.92	Valve	1148.52	36	0.312	52					10:52	335			649									1250	Unknown		
25061	GirthWeld		86243.44		18.92	20.6	20.59	23150	Valve	19414.84	Valve	1129.6	36	0.312	52					11:28	335			649									1250	Unknown		
25063	CLUSTER	YES	86248.4		4.96	15.64	20.59	23150	Valve	19419.79	Valve	1124.64	36	0.312	52	0.29	0.09	5.34	0.72	0.258333	335	957	689	649	0.49	1.09							1250	Unknown		
25066	GirthWeld		86264.04		20.6	23.09	23.09	23160	Valve	19435.44	Valve	1109	36	0.312	52					0.075	335			649									1250	Unknown		
25067	MELO-CORR	YES	86270.26		6.22	16.87	23.09	23160	Valve	19441.66	Valve	1102.78	36	0.312	52	0.15	0.05	1.18	0.16	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25068	MELO-CORR	YES	86272.22		8.18	14.9	23.09	23160	Valve	19443.62	Valve	1100.82	36	0.312	52	0.17	0.05	1.10	0.43	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25069	MELO-CORR	YES	86272.77		8.73	14.36	23.09	23160	Valve	19444.17	Valve	1100.27	36	0.312	52	0.15	0.05	1.14	0.47	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25070	GirthWeld		86287.13		23.09	39.48	39.48	23170	Valve	19458.53	Valve	1085.91	36	0.312	52					0.531944	335			649									1250	Unknown		
25071	GirthWeld		86326.61		39.48	39.28	39.29	23180	Valve	19498.01	Valve	1046.43	36	0.312	52					0.475	335			649									1250	Unknown		
25072	GirthWeld		86365.89		39.28	39.12	39.12	23190	Valve	19537.29	Valve	1007.15	36	0.312	52					0.404167	335			649									1250	Unknown		
25074	CLUSTER	YES	86366.39		0.5	38.62	39.12	23190	Valve	19537.79	Valve	1006.65	36	0.312	52	0.15	0.05	1.30	0.94	5:57	335	1068	769	649	0.44	1.18							1250	Unknown		
25076	GirthWeld		86405.01		39.12	12.46	12.46	23200	Valve	19576.41	Valve	968.03	36	0.312	52					1:00	335			649									1250	Unknown		
25077	GirthWeld		86417.47		12.46	30.66	30.66	23210	Valve	19588.87	Valve	955.57	36	0.312	52					0.495833	335			649									1250	Unknown		
25078	GirthWeld		86448.13		30.66	39.77	39.76	23220	Valve	19619.53	Valve	924.91	36	0.312	52					0.447222	335			649									1250	Unknown		
25079	GirthWeld		86487.9		39.76	39.85	39.86	23230	Valve	19659.29	Valve	885.14	36	0.312	52					0.0875	335			649									1250	Unknown		
25080	MIFE	n/a	86505.92		18.02	21.83	39.86	23230	Valve	19677.32	Valve	867.12	36	0.312	52					11:56	335			649									2167	Mill Anomaly		
25081	GirthWeld		86527.75		39.85	38.35	38.35	23240	Valve	19699.15	Valve	845.29	36	0.312	52					12:28	335			649									1250	Unknown		
25082	GirthWeld		86566.1		38.35	17.07	17.07	23250	Valve	19737.5	Valve	806.94	36	0.312	52					0.455556	335			649									1250	Unknown		
25083	GirthWeld		86583.17		17.07	39.76	39.76	23260	Valve	19754.57	Valve	789.87	36	0.312	52					0.398611	335			649									1250	Unknown		
25084	GirthWeld		86622.93		39.76	26.35	26.35	23270	Valve	19794.33	Valve	750.11	36	0.312	52					0.122222	335			649									1250	Unknown		
25085	MELO-CORR	YES	86633.11		10.18	16.18	26.35	23270	Valve	19804.51	Valve	739.93	36	0.312	52	0.15	0.05	1.22	0.20	5:35	335	1069	769	649	0.44	1.19							1598	Metal Loss		
25086	GirthWeld		86649.28		26.35	39.55	39.54	23280	Valve	19820.68	Valve	723.76	36	0.312	52					1:53	335			649									1250	Unknown		
25088	CLUSTER	YES	86651.57		2.29	37.26	39.54	23280	Valve	19822.97	Valve	721.47	36	0.312	52	0.32	0.10	8.16	4.02	0.241667	335	896	645	649	0.52	1.09							1250	Unknown		
25097	CLUSTER	YES	86652.36		3.08	36.47	39.54	23280	Valve	19823.76	Valve	720.68	36	0.312	52	0.15	0.05	20.05	3.93	0.239583	335	966	695	649	0.48	1.08							1250	Unknown		
25108	MELO-CORR	YES	86654.16		4.88	34.66	39.54	23280	Valve	19825.56	Valve	718.88	36	0.312	52	0.2	0.06	1.14	1.20	0.242361	335	1067	768	649	0.44	1.18							1598	Metal Loss		
25110	CLUSTER	YES	86654.84		5.56	33.99	39.54	23280	Valve	19826.24	Valve	718.2	36	0.312	52	0.17	0.05	11.98	1.23	5:41	335	967	697	649	0.48	1.09							1250	Unknown		
25118	CLUSTER	YES	86656.44		7.16	32.39	39.54	23280	Valve	19827.84	Valve	716.6	36	0.312	52	0.21	0.07	12.11	1.54	5:42	335	940	677	649	0.49	1.10							1250	Unknown		
25126	CLUSTER	YES	86657.83		8.55	31	39.54	23280	Valve	19829.23	Valve	715.21	36	0.312	52	0.17	0.05	8.63	0.66	0.266667	335	983	708	649	0.47	1.11							1250	Unknown		
25130	CLUSTER	YES	86658.78		9.5	30.04	39.54	23280	Valve	19830.18	Valve	714.26	36	0.312	52	0.2	0.06	1.37	1.07	0.2375	335	1064	766	649	0.44	1.18							1250	Unknown		
25133	CLUSTER	YES	86660.82		11.54	28	39.54	23280	Valve	19832.22	Valve	712.22	36	0.312	52	0.17	0.05	8.35	5.44	0.21875	335	985	709	649	0.47	1.11							1250	Unknown		
25142	CLUSTER	YES	86663.7		14.42	25.13	39.54	23280	Valve	19835.1	Valve	709.34	36	0.312	52	0.25	0.08	5.22	1.45	5:22	335	977	704	649	0.48	1.12							1250	Unknown		
25148	CLUSTER	YES	86665.48		16.2	23.35	39.54	23280	Valve	19836.88	Valve	707.56	36	0.312	52	0.16	0.05	10.75	2.80	5:19	335	979	705	649	0.48	1.10							1250	Unknown		
25156	CLUSTER	YES	86666.77		17.49	22.06	39.54	23280	Valve	19838.17	Valve	706.27	36	0.312	52	0.15	0.05	8.41	2.67	0.234028	335	995	717	649	0.47	1.11							1250	Unknown		
25161	CLUSTER	YES	86667.79		18.51	21.04	39.54	23280	Valve	19839.18	Valve	705.25	36	0.312	52	0.16	0.05	1.91	1.38	0.220139	335	1060	763	649	0.44	1.18							1250	Unknown		
25164	CLUSTER	YES	86668.8		19.52	20.03	39.54	23280	Valve	19840.2	Valve	704.24	36	0.312	52	0.16	0.05	12.68	8.55	0.247917	335	972	700	649	0.48	1.10							1250	Unknown		
25176	CLUSTER	YES	86669.75		20.47	19.08	39.54	23280	Valve	19841.15	Valve	703.29	36	0.312	52	0.23	0.07	28.93	5.06	5:16	335	895	645	649	0.52	1.07							1250	Unknown		
25179	CLUSTER	YES	86669.87		20.59	18.96	39.54	23280	Valve	19841.26	Valve	703.17	36	0.312	52	0.28	0.09	27.91	7.64	5:58	335	856	616	649	0.54	1.06							1250	Unknown		
25210	MELO-CORR	YES	86671.08		21.8	17.74	39.54	23280	Valve	19842.48	Valve	701.96	36	0.312	52	0.16	0.05	1.14	0.20	0.19375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25231	CLUSTER	YES	86672.28		23	16.54	39.54	23280	Valve	19843.68	Valve	700.76	36	0.312	52	0.29	0.09	18.10	3.87	0.220833	335	862	621	649	0.54	1.07							1250	Unknown		
25234	MELO-CORR	YES	86672.51		23.23	16.32	39.54	23280	Valve	19843.91	Valve	700.53	36	0.312	52	0.2	0.06	1.10	0.20	0.270833	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25237	CLUSTER	YES	86672.58		23.3	16.25	39.54	23280	Valve	19843.98	Valve	700.46	36	0.312	52	0.15	0.05	3.78	0.82	5:04	335	1036	746	649	0.45	1.15							1250	Unknown		
25242	CLUSTER	YES	86672.72		23.44	16.11	39.54	23280	Valve	19844.12	Valve	700.32	36	0.312	52	0.17	0.05	13.02	3.99	6:26	335	964	694	649	0.48	1.09							1250	Unknown		
25263	MELO-CORR	YES	86673.81		24.53	15.01	39.54	23280	Valve	19845.21	Valve	699.23	36	0.312	52	0.17	0.05	1.10	0.20	0.23125	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25265	CLUSTER	YES	86674.16		24.88	14.66	39.54	23280	Valve	19845.56	Valve	698.88	36	0.312	52	0.17	0.05	8.12	0.91	0.265278	335	986	710	649	0.47	1.12							1250	Unknown		
25266	MELO-CORR	YES	86674.23		24.95	14.6	39.54	23280	Valve	19845.63	Valve	698.81	36	0.312	52	0.17	0.05	1.18	0.16	0.230556	335	1068	769	649	0.44	1.19							1598	Metal Loss		
25269	MELO-CORR	YES	86676.31		27.03	12.51	39.54	23280	Valve	19847.71	Valve	696.73	36	0.312	52	0.15	0.05	1.26	0.20	5:24	335	1068	769	649	0.44	1.19							1598	Metal Loss		
25271	CLUSTER	YES	86677.13		27.85	11.7	39.54	23280	Valve	19848.53	Valve	695.91	36	0.312	52	0.16	0.05	6.55	0.47	6:39	335	1003	722	649	0.46	1.13							1250	Unknown		
25273	CLUSTER	YES	86677.24		27.96	11.59	39.54	23280	Valve	19848.64	Valve	695.8	36	0.312	52	0.16	0.05	4.04	0.72	0.241667	335	1030	742	649	0.45	1.15							1250	Unknown		
25276	MELO-CORR	YES	86678.13		28.85	10.7	39.54	23280	Valve	19849.53	Valve	694.91	36	0.312	52	0.17	0.05	1.18	0.47	0.240972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
25278	CLUSTER	YES	86678.96		29.68	9.87	39.54	23280	Valve	19850.36	Valve	694.08	36	0.312	52	0.2	0.06	7.33	0.54	0.264583	335	976	703	649	0.48	1.08							1250	Unknown		
25282	CLUSTER	YES	86686.12		36.84	2.71	39.54	23280	Valve	19857.52	Valve	686.92	36	0.312	52	0.15	0.05	14.14	3.52	6:28	335	975	702	649	0.48	1.09							1250	Unknown		
25283	MELO-CORR	YES	86686.24		36.96	2.58	39.54	23280	Valve	19857.64	Valve	686.79	36	0.312	52	0.18	0.06	1.18	0.39	5:34	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25290	CLUSTER	YES	86687.02		37.74	1.81	39.54	23280	Valve	19858.42	Valve	686.02	36	0.312	52	0.24	0.08	4.43	0.44	0.23125	335	997	718	649	0.47	1.12							1250	Unknown		
25293	MELO-CORR	YES	86687.87		38.59	0.96	39.54	23280	Valve	19859.27	Valve	685.17	36	0.312	52	0.16	0.05	1.18	0.39	0.223611	335	1069	769	649	0.44	1.19							1598	Metal Loss		
25294	GirthWeld		86688.83		39.55	29.36	29.36	23290	Valve	19860.23	Valve	684.21	36	0.312	52					0.102083	335			649									1250	Unknown		
25295	MIFE	n/a	86689.16		0.33	29.03	29.36	23290	Valve	19860.56	Valve	683.88	36	0.312	52					12:34	335			649									2167	Mill Anomaly		
25297	CLUSTER	YES	86692.63		3.8	25.56	29.36	23290	Valve	19864.03	Valve	680.41	36	0.312	52	0.17	0.05	4.28	0.47	6:45	335	1023	737	649	0.45	1.15							1250	Unknown		
25299	MELO-CORR	YES	86693.83		5	24.36	29.36	23290	Valve	19865.23	Valve	679.21	36	0.312	52	0.18	0.06	1.18	0.47	0.229167	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25301	CLUSTER	YES	86694.23		5.4	23.96	29.36	23290	Valve	19865.63	Valve	678.81	36	0.312	52	0.15	0.05	4.14	0.32	0.279861	335	1032	743	649	0.45	1.15							1250	Unknown		
25303	AS_Casing		86698.28		9.45	19.91	29.36	23290	Valve	19869.68	Valve	674.76	36	0.312	52						335			649									1590	Casing		
25304	GirthWeld		86718.19		29.36	39.84	39.84	23300	Valve	19889.59	Valve	654.85	36	0.312	52					10:30	335			649									1250	Unknown		
25306	CLUSTER	YES	86728.4		10.21	29.63	39.84	23300	Valve	19899.8	Valve	644.64	36	0.312	52	0.21	0.07	2.12	1.01	5:58	335	1050	756	649	0.44	1.17							1250	Unknown		
25310	CLUSTER	YES	86732.33		14.14	25.7	39.84	23300	Valve	19903.73	Valve	640.71	36	0.312	52	0.15	0.05	4.93	1.10	0.245833	335	1023	737	649	0.45	1.13							1250	Unknown		
25314	CLUSTER	YES	86733.31		15.12	24.72	39.84	23300	Valve	19904.71	Valve	639.73	36	0.312	52	0.31	0.10	14.86	2.23	0.240972	335	857	617	649	0.54	1.03							1250	Unknown		
25323	CLUSTER	YES	86735.52		17.33	22.51	39.84	23300	Valve	19906.92	Valve	637.52	36	0.312	52	0.15	0.05	4.06	0.91	0.246528	335	1033	744	649	0.45	1.15							1250	Unknown		
25326	CLUSTER	YES	86741.71		23.52	16.32	39.84	23300	Valve	19913.11	Valve	631.33	36	0.312	52	0.19	0.06	11.45	2.01	5:44	335	956	688	649	0.49	1.10							1250	Unknown		
25332	CLUSTER	YES	86744.32		26.13	13.71	39.84	23300	Valve	19915.72	Valve	628.72	36	0.312	52	0.25	0.08	8.89	0.76	6:16	335	933	672	649	0.50	1.10							1250	Unknown		
25338	CLUSTER	YES	86745.85		27.66	12.17	39.84	23300	Valve	19917.25	Valve	627.19	36	0.312	52	0.25	0.08	10.54	0.82	0.260417	335	921	663	649	0.51	1.04							1250	Unknown		
25341	MELO-CORR	YES	86748.52		30.33	9.5	39.84	23300	Valve	19919.92	Valve	624.51	36	0.312	52	0.15	0.05	1.02	0.35	0.243056	335	1070	771	649	0.43	1.19							1598	Metal Loss		
25342	GirthWeld		86758.03		39.84	39.23	39.24	23310	Valve	19929.43	Valve	615.01	36	0.312	52					0.475694	335			649									1250	Unknown		
25344	CLUSTER	YES	86790.36		32.33	6.9	39.24	23310	Valve	19961.76	Valve	582.68	36	0.312	52	0.21	0.07	4.13	0.57	5:46	335	1012	729	649	0.46	1.14							1250	Unknown		
25346	GirthWeld		86797.26		39.24	39.87	39.86	23320	Valve	19968.66	Valve	575.77	36	0.312	52					9:38	335			649									1250	Unknown		
25348	CLUSTER	YES	86809.22		11.96	27.91	39.86	23320	Valve	19980.62	Valve	563.82	36	0.312	52	0.19	0.06	6.84	0.88	0.239583	335	985	710	649	0.47	1.11							1250	Unknown		
25352	CLUSTER	YES	86814.46		17.2	22.67	39.86	23320	Valve	19985.85	Valve	558.58	36	0.312	52	0.16	0.05	4.75	0.72	0.254861	335	1021	735	649	0.46	1.13							1250	Unknown		
25355	MELO-CORR	YES	86816.18		18.92	20.95	39.86	23320	Valve	19987.58	Valve	556.86	36	0.312	52	0.15	0.05	1.14	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25356	GirthWeld		86837.13		39.87	39.69	39.69	23330	Valve	20008.53	Valve	535.91	36	0.312	52					10:36	335			649									1250	Unknown		
25357	AE_Casing		86857.43		20.3	19.39	39.69	23330	Valve	20028.83	Valve	515.61	36	0.312	52						335			649									1590	Casing		
25358	GirthWeld		86876.82		39.69	39.92	39.92	23340	Valve	20048.22	Valve	496.22	36	0.312	52					0.070833	335			649									1250	Unknown		
25359	GirthWeld		86916.74		39.92	39.82	39.82	23350	Valve	20088.14	Valve	456.3	36	0.312	52					0.505556	335			649									1250	Unknown		
25360	GirthWeld		86956.56		39.82	28.6	28.6	23360	Valve	20127.96	Valve	416.48	36	0.312	52					0.469444	335			649									1250	Unknown		
25361	GirthWeld		86985.16		28.6	39.65	39.65	23370	Valve	20156.56	Valve	387.88	36	0.312	52					9:46	335			649									1250	Unknown		
25362	GirthWeld		87024.81		39.65	30.65	30.65	23380	Valve	20196.21	Valve	348.23	36	0.312	52					3:10	335			649									1250	Unknown		
25364	CLUSTER	YES	87036.76		11.95	18.71	30.65	23380	Valve	20208.15	Valve	336.28	36	0.312	52	0.15	0.05	4.74	3.05	0.245139	335	1025	738	649	0.45	1.14							1250	Unknown		
25368	MELO-CORR	YES	87045.88		21.07	9.58	30.65	23380	Valve	20217.28	Valve	327.16	36	0.312	52	0.27	0.08	1.34	0.20	0.245139	335	1060	763	649	0.44	1.18							1598	Metal Loss		
25370	CLUSTER	YES	87048.98		24.17	6.48	30.65	23380	Valve	20220.38	Valve	324.06	36	0.312	52	0.17	0.05	1.21	0.47	0.240972	335	1068	769	649	0.44	1.18							1250	Unknown		
25372	MELO-CORR	YES	87051.29		26.48	4.18	30.65	23380	Valve	20222.69	Valve	321.75	36	0.312	52	0.16	0.05	1.14	0.43	5:50	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25373	GirthWeld		87055.46		30.65	40.05	40.05	23390	Valve	20226.86	Valve	317.58	36	0.312	52					1:45	335			649									1250	Unknown		
25375	CLUSTER	YES	87059.52		4.06	35.99	40.05	23390	Valve	20230.92	Valve	313.52	36	0.312	52	0.15	0.05	10.46	2.77	0.245139	335	986	710	649	0.47	1.10							1250	Unknown		
25385	CLUSTER	YES	87061.98		6.52	33.53	40.05	23390	Valve	20233.38	Valve	311.06	36	0.312	52	0.19	0.06	1.56	0.32	0.247917	335	1062	765	649	0.44	1.18							1250	Unknown		
25388	CLUSTER	YES	87065.32		9.86	30.19	40.05	23390	Valve	20236.72	Valve	307.72	36	0.312	52	0.22	0.07	15.35	5.28	0.240278	335	922	664	649	0.50	1.06							1250	Unknown		
25397	CLUSTER	YES	87066.4		10.94	29.11	40.05	23390	Valve	20237.8	Valve	306.64	36	0.312	52	0.15	0.05	7.27	1.13	6:13	335	1003	722	649	0.46	1.11							1250	Unknown		
25402	CLUSTER	YES	87066.88		11.42	28.63	40.05	23390	Valve	20238.28	Valve	306.16	36	0.312	52	0.22	0.07	13.52	1.92	5:41	335	928	668	649	0.50	1.08							1250	Unknown		
25405	CLUSTER	YES	87067.09		11.63	28.42	40.05	23390	Valve	20238.49	Valve	305.95	36	0.312	52	0.16	0.05	4.43	0.66	0.260417	335	1025	738	649	0.45	1.14							1250	Unknown		
25413	MELO-CORR	YES	87067.64		12.18	27.87	40.05	23390	Valve	20239.04	Valve	305.4	36	0.312	52	0.17	0.05	1.10	0.59	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25416	CLUSTER	YES	87068.53		13.07	26.98	40.05	23390	Valve	20239.93	Valve	304.51	36	0.312	52	0.17	0.05	4.15	0.91	0.238889	335	1026	738	649	0.45	1.14							1250	Unknown		
25421	CLUSTER	YES	87069.14		13.68	26.37	40.05	23390	Valve	20240.54	Valve	303.9	36	0.312	52	0.2	0.06	9.30	0.91	6:13	335	961	692	649	0.48	1.11							1250	Unknown		
25426	CLUSTER	YES	87070.66		15.2	24.85	40.05	23390	Valve	20242.06	Valve	302.38	36	0.312	52	0.17	0.05	4.34	0.88	5:45	335	1023	737	649	0.45	1.14							1250	Unknown		
25428	MELO-CORR	YES	87072.44		16.98	23.07	40.05	23390	Valve	20243.84	Valve	300.6	36	0.312	52	0.17	0.05	1.18	0.24	0.235417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
25430	CLUSTER	YES	87073.65		18.19	21.86	40.05	23390	Valve	20245.05	Valve	299.39	36	0.312	52	0.18	0.06	20.17	2.45	0.234722	335	943	679	649	0.49	1.09							1250	Unknown		
25434	CLUSTER	YES	87073.99		18.53	21.52	40.05	23390	Valve	20245.39	Valve	299.05	36	0.312	52	0.17	0.05	11.34	2.96	0.256944	335	970	698	649	0.48	1.10							1250	Unknown		
25437	MELO-CORR	YES	87074.19		18.73	21.32	40.05	23390	Valve	20245.59	Valve	298.85	36	0.312	52	0.23	0.07	1.10	0.35	7:16	335	1066	768	649	0.44	1.18							1598	Metal Loss		
25454	CLUSTER	YES	87075.14		19.68	20.37	40.05	23390	Valve	20246.54	Valve	297.9	36	0.312	52	0.16	0.05	17.77	3.39	6:09	335	961	692	649	0.48	1.09							1250	Unknown		
25464	CLUSTER	YES	87082.28		26.82	13.23	40.05	23390	Valve	20253.68	Valve	290.76	36	0.312	52	0.17	0.05	9.66	3.17	0.270139

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
25602	CLUSTER	YES	87113.94		18.43	21.38	39.81	23400	Valve	20285.34	Valve	259.1	36	0.312	52	0.19	0.06	14.24	1.32	6:21	335	947	682	649	0.49	1.08							1250	Unknown		
25610	CLUSTER	YES	87115.43		19.92	19.89	39.81	23400	Valve	20286.83	Valve	257.61	36	0.312	52	0.18	0.06	17.30	1.23	5:37	335	947	682	649	0.49	1.06							1250	Unknown		
25620	CLUSTER	YES	87123.26		27.75	12.07	39.81	23400	Valve	20294.66	Valve	249.78	36	0.312	52	0.16	0.05	25.97	2.36	0.261806	335	953	686	649	0.49	1.08							1250	Unknown		
25633	GirthWeld		87135.32		39.81	9.35	9.35	23410	Valve	20306.72	Valve	237.72	36	0.312	52					0.443056	335			649									1250	Unknown		
25635	CLUSTER	YES	87137.21		1.89	7.47	9.35	23410	Valve	20308.61	Valve	235.83	36	0.312	52	0.19	0.06	13.32	1.70	0.259028	335	950	684	649	0.49	1.09							1250	Unknown		
25643	CLUSTER	YES	87138.9		3.57	5.78	9.35	23410	Valve	20310.29	Valve	234.14	36	0.312	52	0.15	0.05	5.84	1.01	5:40	335	1014	730	649	0.46	1.13							1250	Unknown		
25648	CLUSTER	YES	87142.16		6.84	2.51	9.35	23410	Valve	20313.56	Valve	230.88	36	0.312	52	0.18	0.06	16.85	1.67	5:38	335	948	683	649	0.49	1.08							1250	Unknown		
25655	GirthWeld		87144.67		9.35	29.66	29.65	23420	Valve	20316.07	Valve	228.37	36	0.312	52					0.054861	335			649									1250	Unknown		
25657	CLUSTER	YES	87145.41		0.74	28.92	29.65	23420	Valve	20316.81	Valve	227.63	36	0.312	52	0.18	0.06	8.48	1.38	0.236111	335	978	704	649	0.48	1.08							1250	Unknown		
25663	CLUSTER	YES	87146.25		1.58	28.08	29.65	23420	Valve	20317.65	Valve	226.79	36	0.312	52	0.2	0.06	15.36	1.51	0.234722	335	937	674	649	0.50	1.07							1250	Unknown		
25672	CLUSTER	YES	87158.43		13.76	15.89	29.65	23420	Valve	20329.83	Valve	214.61	36	0.312	52	0.3	0.09	8.24	0.69	5:47	335	908	654	649	0.51	1.06							1250	Unknown		
25677	CLUSTER	YES	87159.74		15.07	14.59	29.65	23420	Valve	20331.14	Valve	213.3	36	0.312	52	0.16	0.05	4.68	0.76	6:13	335	1022	736	649	0.46	1.14							1250	Unknown		
25680	CLUSTER	YES	87161.5		16.83	12.83	29.65	23420	Valve	20332.9	Valve	211.54	36	0.312	52	0.2	0.06	12.49	2.04	0.257639	335	945	681	649	0.49	1.09							1250	Unknown		
25685	CLUSTER	YES	87164.37		19.7	9.95	29.65	23420	Valve	20335.77	Valve	208.67	36	0.312	52	0.15	0.05	5.44	0.50	0.240278	335	1018	733	649	0.46	1.13							1250	Unknown		
25689	CLUSTER	YES	87165		20.33	9.32	29.65	23420	Valve	20336.4	Valve	208.04	36	0.312	52	0.21	0.07	6.42	0.82	0.242361	335	980	705	649	0.47	1.09							1250	Unknown		
25693	CLUSTER	YES	87167.69		23.02	6.64	29.65	23420	Valve	20339.09	Valve	205.35	36	0.312	52	0.22	0.07	8.33	1.54	5:44	335	956	688	649	0.49	1.08							1250	Unknown		
25696	MELO-CORR	YES	87168.22		23.55	6.11	29.65	23420	Valve	20339.62	Valve	204.82	36	0.312	52	0.15	0.05	1.10	0.43	6:06	335	1070	770	649	0.43	1.19							1598	Metal Loss		
25697	MELO-CORR	YES	87169.64		24.97	4.69	29.65	23420	Valve	20341.04	Valve	203.4	36	0.312	52	0.15	0.05	1.18	0.16	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25699	CLUSTER	YES	87169.87		25.2	4.45	29.65	23420	Valve	20341.27	Valve	203.17	36	0.312	52	0.19	0.06	8.40	0.69	0.24375	335	973	700	649	0.48	1.09							1250	Unknown		
25702	MELO-CORR	YES	87170.84		26.17	3.49	29.65	23420	Valve	20342.24	Valve	202.2	36	0.312	52	0.26	0.08	1.38	0.20	0.261806	335	1060	763	649	0.44	1.18							1598	Metal Loss		
25704	CLUSTER	YES	87171.41		26.74	2.91	29.65	23420	Valve	20342.81	Valve	201.63	36	0.312	52	0.2	0.06	6.38	0.85	6:14	335	985	709	649	0.47	1.09							1250	Unknown		
25707	GirthWeld		87174.33		29.66	11.2	11.2	23430	Valve	20345.73	Valve	198.71	36	0.312	52					11:15	335			649									1250	Unknown		
25709	CLUSTER	YES	87178.41		4.08	7.12	11.2	23430	Valve	20349.81	Valve	194.63	36	0.312	52	0.29	0.09	8.08	1.07	0.241667	335	916	659	649	0.51	1.06							1250	Unknown		
25715	CLUSTER	YES	87180.49		6.16	5.03	11.2	23430	Valve	20351.89	Valve	192.55	36	0.312	52	0.16	0.05	9.44	3.68	0.242361	335	984	709	649	0.47	1.10							1250	Unknown		
25725	CLUSTER	YES	87181.71		7.38	3.81	11.2	23430	Valve	20353.11	Valve	191.33	36	0.312	52	0.26	0.08	7.12	1.10	0.259028	335	945	680	649	0.49	1.09							1250	Unknown		
25729	MELO-CORR	YES	87182.71		8.38	2.82	11.2	23430	Valve	20354.11	Valve	190.33	36	0.312	52	0.15	0.05	3.07	0.55	5:56	335	1046	753	649	0.44	1.16							1598	Metal Loss		
25730	GirthWeld		87185.53		11.2	39.48	39.48	23440	Valve	20356.93	Valve	187.51	36	0.312	52					10:53	335			649									1250	Unknown		
25732	CLUSTER	YES	87187.43		1.9	37.58	39.48	23440	Valve	20358.83	Valve	185.61	36	0.312	52	0.16	0.05	4.72	0.76	0.242361	335	1022	735	649	0.46	1.14							1250	Unknown		
25735	CLUSTER	YES	87198.46		12.93	26.55	39.48	23440	Valve	20369.86	Valve	174.57	36	0.312	52	0.2	0.06	9.71	1.20	0.240278	335	958	690	649	0.49	1.09							1250	Unknown		
25739	MELO-CORR	YES	87200.61		15.08	24.4	39.48	23440	Valve	20372.01	Valve	172.43	36	0.312	52	0.27	0.08	1.10	0.16	0.242361	335	1065	767	649	0.44	1.18							1598	Metal Loss		
25740	GirthWeld		87225.01		39.48	39.86	39.86	23450	Valve	20396.41	Valve	148.03	36	0.312	52					12:51	335			649									1250	Unknown		
25741	GirthWeld		87264.87		39.86	19.9	19.9	23460	Valve	20436.27	Valve	108.17	36	0.312	52					11:13	335			649									1250	Unknown		
25742	AE_Casing		87270.22		5.35	14.55	19.9	23460	Valve	20441.62	Valve	102.82	36	0.312	52						335			649									1590	Casing		
25743	GirthWeld		87284.77		19.9	39.8	39.8	23470	Valve	20456.17	Valve	88.27	36	0.312	52					0.093056	335			649									1250	Unknown		
25744	GirthWeld		87324.57		39.8	39.78	39.78	23480	Valve	20495.97	Valve	48.47	36	0.312	52					0.422222	335			649									1250	Unknown		
25745	GirthWeld		87364.35		39.78	5.87	5.87	23490	Valve	20535.75	Valve	8.69	36	0.312	52					10:50	335			649									1250	Unknown		
25746	Tap		87366.22		1.87	4	5.87	23490	Valve	20537.62	Valve	6.82	36	0.312	52					12:00	335			649									1790	Tap		
25747	AS_Inst		87370.22		5.87	5.65	5.66	23500	Valve	20541.62	Valve	2.82	36	0.312	52					UNKN	335			649									1250	Unknown		
25748	Valve		87373.04		2.82	2.83	5.66	23500	Valve	20544.44	Valve	14125.05	36	0.312	52						335			649									1589	Valve		
25749	AE_Inst		87375.87		5.65	9.99	9.99	23510	Valve	2.83	Valve	14122.22	36	0.312	52					0.05	335			649									1250	Unknown		
25750	Tap		87379.91		4.04	5.95	9.99	23510	Valve	6.87	Valve	14118.18	36	0.312	52					12:00	335			649									1790	Tap		
25751	GirthWeld		87385.86		9.99	24.35	24.35	23520	Valve	12.82	Valve	14112.23	36	0.312	52					10:14	335			649									1250	Unknown		
25752	GirthWeld		87410.21		24.35	39.73	39.73	23530	Valve	37.17	Valve	14087.88	36	0.312	52					0.540972	335			649									1250	Unknown		
25753	GirthWeld		87449.94		39.73	19.1	19.1	23540	Valve	76.9	Valve	14048.15	36	0.312	52					0.080556	335			649									1250	Unknown		
25754	GirthWeld		87469.04		19.1	39.23	39.23	23550	Valve	96	Valve	14029.05	36	0.312	52					0.120833	335			649									1250	Unknown		
25755	MELO-CORR	YES	87481.29		12.25	26.98	39.23	23550	Valve	108.25	Valve	14016.8	36	0.312	52	0.16	0.05	1.14	0.16	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25757	CLUSTER	YES	87495.45		26.41	12.82	39.23	23550	Valve	122.41	Valve	14002.64	36	0.312	52	0.18	0.06	8.77	3.61	5:55	335	976	703	649	0.48	1.10							1250	Unknown		
25763	CLUSTER	YES	87499.35		30.31	8.92	39.23	23550	Valve	126.31	Valve	13998.74	36	0.312	52	0.21	0.07	12.74	4.53	0.246528	335	938	675	649	0.50	1.08							1250	Unknown		
25769	MELO-CORR	YES	87500.57		31.53	7.69	39.23	23550	Valve	127.53	Valve	13997.52	36	0.312	52	0.15	0.05	1.30	0.59	0.256944	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25771	CLUSTER	YES	87502.93		33.89	5.33	39.23	23550	Valve	129.89	Valve	13995.16	36	0.312	52	0.15	0.05	9.35	3.05	0.245833	335	991	713	649	0.47	1.10							1250	Unknown		
25777	GirthWeld		87508.27		39.23	39.86	39.87	23560	Valve	135.23	Valve	13989.82	36	0.312	52					9:53	335			649									1250	Unknown		
25779	CLUSTER	YES	87523.15		14.88	24.98	39.87	23560	Valve	150.11	Valve	13974.94	36	0.312	52	0.26	0.08	5.62	1.76	5:42	335	966	696	649	0.48	1.10							1250	Unknown		
25783	CLUSTER	YES	87526.04		17.77	22.09	39.87	23560	Valve	153	Valve	13972.05	36	0.312	52	0.16	0.05	4.74	0.54	0.240972	335	1022	735	649	0.46	1.13							1250	Unknown		
25786	CLUSTER	YES	87528.38		20.11	19.76	39.87	23560	Valve	155.34	Valve	13969.71	36	0.312	52	0.15	0.05	4.68	0.63	0.240278	335	1026	738	649	0.45	1.14							1250	Unknown		
25789	CLUSTER	YES	87532.15		23.88	15.98	39.87	23560	Valve	159.11	Valve	13965.94	36	0.312	52	0.17	0.05	17.47	4.09	0.245833	335	954	687	649	0.49	1.08							1250	Unknown		
25797	CLUSTER	YES	87534.05		25.78	14.08	39.87	23560	Valve	161.01	Valve	13964.04	36	0.312	52	0.18	0.06	9.11	0.82	5:48	335	974	701	649	0.48	1.09							1250	Unknown		
25800	GirthWeld		87548.13		39.86	18.91	18.91	23570	Valve	175.09	Valve	13949.96	36	0.312	52					11:30	335			649									1250	Unknown		
25802	CLUSTER	YES	87563.91		15.78	3.13	18.91	23570	Valve	190.87	Valve	13934.18	36	0.312	52	0.16	0.05	7.48	1.98	0.247222	335	996	717	649	0.47	1.11							1250	Unknown		
25809	GirthWeld		87567.04		18.91	14.84	14.84	23580	Valve	194	Valve	13931.05	36	0.312	52					0.144444	335			649									1250	Unknown		
25811	CLUSTER	YES	87567.08		0.04	14.79	14.84	23580	Valve	194.04	Valve	13931.01	36	0.312	52	0.2	0.06	14.16	6.35	0.2375	335	940	677	649	0.50	1.07							1250	Unknown		
25823	CLUSTER	YES	87575.24		8.2	6.63	14.84	23580	Valve	202.2	Valve	13922.85	36	0.312	52	0.16	0.05	9.23	0.63	5:48	335	985	710	649	0.47	1.10							1250	Unknown		
25827	CLUSTER	YES	87578.49		11.45	3.39	14.84	23580	Valve	205.45	Valve	13919.6	36	0.312	52	0.21	0.07	10.18	1.86	5:43	335	949	684	649	0.49	1.09							1250	Unknown		
25832	GirthWeld		87581.88		14.84	5.54	5.55	23590	Valve	208.84	Valve	13916.21	36	0.312	52					0.439583	335			649									1250	Unknown		
25833	GirthWeld		87587.42		5.54	39.69	39.69	23600	Valve	214.38	Valve	13910.67	36	0.312	52					0.530556	335			649									1250	Unknown		
25835	CLUSTER	YES	87588.6		1.18	38.51	39.69	23600	Valve	215.56	Valve	13909.49	36	0.312	52	0.26	0.08	3.73	3.17	0.248611	335	1004	723	649	0.46	1.14							1250	Unknown		
25839	CLUSTER	YES	87601.1		13.68	26.01	39.69	23600	Valve	228.06	Valve	13896.99	36	0.312	52	0.15	0.05	15.06	3.55	5:57	335	973	701	649	0.48	1.09							1250	Unknown		
25850	MELO-CORR	YES	87602.57		15.15	24.54	39.69	23600	Valve	229.53	Valve	13895.52	36	0.312	52	0.15	0.05	1.22	0.16	5:55	335	1069	769	649	0.44	1.19							1598	Metal Loss		
25852	CLUSTER	YES	87604.16		16.74	22.95	39.69	23600	Valve	231.12	Valve	13893.93	36	0.312	52	0.34	0.11	7.57	2.26	0.249306	335	891	642	649	0.52	1.07							1250	Unknown		
25856	MELO-CORR	YES	87610.74		23.32	16.37	39.69	23600	Valve	237.7	Valve	13887.35	36	0.312	52	0.16	0.05	1.34	0.43	0.270833	335	1067	768	649	0.44	1.18							1598	Metal Loss		
25858	CLUSTER	YES	87614.04		26.63	13.07	39.69	23600	Valve	241.01	Valve	13884.04	36	0.312	52	0.17	0.05	4.32	0.66	0.26875	335	1023	737	649	0.45	1.14							1250	Unknown		
25860	CLUSTER	YES	87614.09		26.67	13.03	39.69	23600	Valve	241.05	Valve	13884	36	0.312	52	0.34	0.11	5.10	2.73	5:31	335	937	675	649	0.50	1.12							1250	Unknown		
25866	MELO-CORR	YES	87615.29		27.87	11.82	39.69	23600	Valve	242.25	Valve	13882.8	36	0.312	52	0.18	0.06	1.10	0.55	6:29	335	1068	769	649	0.44	1.19							1598	Metal Loss		
25868	CLUSTER	YES	87615.75		28.33	11.36	39.69	23600	Valve	242.71	Valve	13882.34	36	0.312	52	0.23	0.07	2.48	0.50	0.23125	335	1040	749	649	0.45	1.16							1250	Unknown		
25871	CLUSTER	YES	87617.18		29.76	9.93	39.69	23600	Valve	244.14	Valve	13880.91	36	0.312	52	0.22	0.07	3.43	0.57	0.23125	335	1023	736	649	0.46	1.15							1250	Unknown		
25873	MELO-CORR	YES	87617.61		30.19	9.5	39.69	23600	Valve	244.57	Valve	13880.48	36	0.312	52	0.21	0.07	0.87	0.51	0.225694	335	1070	770	649	0.43	1.19							1598	Metal Loss		
25874	MELO-CORR	YES	87617.92		30.5	9.19	39.69	23600	Valve	244.88	Valve	13880.17	36	0.312	52	0.16	0.05	1.10	0.20	5:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
25876	CLUSTER	YES	87621.74		34.32	5.37	39.69	23600	Valve	248.7	Valve	13876.35	36	0.312	52	0.24	0.08	26.94	4.12	5:49	335	889	640	649	0.52	1.06							1250	Unknown		
25890	CLUSTER	YES	87623.21		35.79	3.9	39.69	23600	Valve	250.18	Valve	13874.88	36	0.312	52	0.18	0.06	5.88	0.82	0.228472	335	1000	720	649	0.47	1.13							1250	Unknown		
25901	CLUSTER	YES	87624.78		37.36	2.33	39.69	23600	Valve	251.74	Valve	13873.31	36	0.312	52	0.28	0.09	9.20	3.05	0.229861	335	911	656	649	0.51	1.10							1250	Unknown		
25908	MELO-CORR	YES	87626.2		38.78	0.92	39.69	23600	Valve	253.16	Valve	13871.89	36	0.312	52	0.18	0.06	1.22	0.39	0.21875	335	1067	768	649	0.44	1.18							1598	Metal Loss		
25909	GirthWeld		87627.11		39.69	39.82	39.82	23610	Valve	254.07	Valve	13870.98	36	0.312	52					1:55	335			649									1250	Unknown		
25911	CLUSTER	YES	87627.18		0.07	39.75	39.82	23610	Valve	254.14	Valve	13870.91	36	0.312	52	0.27	0.08	14.88	5.34	5:53	335	887	638	649	0.52	1.07							1250	Unknown		
25921	CLUSTER	YES	87627.86		0.75	39.07	39.82	23610	Valve	254.82	Valve	13870.23	36	0.312	52	0.17	0.05	4.72	2.70	0.236111	335	1018	733	649	0.46	1.14							1250	Unknown		
25930	CLUSTER	YES	87630.38		3.26	36.55	39.82	23610	Valve	257.34	Valve	13867.71	36	0.312	52	0.25	0.08	6.43	0.97	0.255556	335	959	691	649	0.49	1.07							1250	Unknown		
25934	CLUSTER	YES	87631.41		4.3	35.52	39.82	23610	Valve	258.37	Valve	13866.68	36	0.312	52	0.29	0.09	3.61	1.82	0.25	335	997	718	649	0.47	1.12							1250	Unknown		
25937	MELO-CORR	YES	87644.29		17.18	22.64	39.82	23610	Valve	271.25	Valve	13853.8	36	0.312	52	0.18	0.06	1.18	0.55	6:26	335	1068	769	649	0.44	1.18							1598	Metal Loss		
25939	CLUSTER	YES	87644.58		17.47	22.34	39.82	23610	Valve	271.54	Valve	13853.51	36	0.312	52	0.25	0.08	9.04	1.07	6:25	335	932	671	649	0.50	1.07							1250	Unknown		
25944	CLUSTER	YES	87645.28		18.17	21.65	39.82	23610	Valve	272.24	Valve	13852.81	36	0.312	52	0.2	0.06	13.58	2.01	0.226389	335	942	678	649	0.49	1.09							1250	Unknown		
25957	CLUSTER	YES	87646.76		19.65	20.17	39.82	23610	Valve	273.72	Valve	13851.33	36	0.312	52	0.16	0.05	12.56	2.20	0.225694	335	972	700	649	0.48	1.09							1250	Unknown		
25965	CLUSTER	YES	87647.3		20.19	19.63	39.82	23610	Valve	274.26	Valve	13850.79	36	0.312	52	0.15	0.05	9.00	0.82	0.26875	335	992	714	649	0.47	1.10							1250	Unknown		
25974	CLUSTER	YES	87651.15		24.04	15.77	39.82	23610	Valve	278.12	Valve	13846.93	36	0.312	52	0.24	0.08	16.55	5.06	5:23	335	904	651	649	0.51	1.03							1250	Unknown		
25978	MELO-CORR	YES	87651.38		24.27	15.55	39.82	23610	Valve	278.34	Valve	13846.71	36	0.312	52	0.17	0.05	0.94	0.16	6:09	335	1070	771	649	0.43	1.19							1598	Metal Loss		
25980	CLUSTER	YES	87651.56		24.45	15.36	39.82	23610	Valve	278.52	Valve	13846.53	36	0.312	52	0.26	0.08	10.02	1.16	0.25625	335	918	661	649	0.51	1.05							1250	Unknown		
25992	CLUSTER	YES	87652.1		24.99	14.82	39.82	23610	Valve	279.07	Valve	13845.99	36	0.312	52	0.15	0.05	1.19	0.63	0.216667	335	1069	770	649	0.44	1.19							1250	Unknown		
26002	CLUSTER	YES	87652.53		25.42	14.39	39.82	23610	Valve	279.49	Valve	13845.56	36	0.312	52	0.17	0.05	5.51	0.76	0.256944	335	1009	726	649	0.46	1.13							1250	Unknown		
26006	MELO-CORR	YES	87652.93		25.82	13.99	39.82	23610	Valve	279.89	Valve	13845.16	36	0.312	52	0.2	0.06	1.18	0.59	5:35	335	1067	768	649	0.44	1.18							1598	Metal Loss		
26008	CLUSTER	YES	87653		25.89	13.93	39.82	23610	Valve	279.96	Valve	13845.09	36	0.312	52	0.27	0.08	18.90	3.33	5:35	335	876	631	649	0.53	1.07							1250	Unknown		
26017	CLUSTER	YES	87653.91		26.8	13.02	39.82	23610	Valve	280.87	Valve	13844.18	36	0.312	52	0.19	0.06	31.73	5.72	0.255556	335	925	666	649	0.50	1.06							1250	Unknown		
26043	MELO-CORR	YES	87655.49		28.38	11.44	39.82	23610	Valve	282.45	Valve	13842.6	36	0.312	52	0.17	0.05	1.14	0.47	0.232639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
26055	CLUSTER	YES	87656.35		29.24	10.57	39.82	23610	Valve	283.31	Valve	13841.74	36	0.312	52	0.18	0.06	13.50	2.89	0.232639	335	956	688	649	0.49	1.09							1250	Unknown		
26066	CLUSTER	YES	87656.93		29.82	9.99	39.82	23610	Valve	283.89	Valve	13841.16	36	0.312	52	0.25	0.08	31.46	6.98	5:52	335	877	631	649	0.53	1.05							1250	Unknown		
26107	CLUSTER	YES	87659.74		32.63	7.19	39.82	23610	Valve	286.7	Valve	13838.35	36	0.312	52	0.16	0.05	2.10	1.57	6:13	335	1058	761	649	0.44	1.17

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
26407	CLUSTER	YES	87678.18		11.25	27.35	38.6	23620	Valve	305.14	Valve	13819.91	36	0.312	52	0.25	0.08	3.23	3.24	6:28	335	1019	733	649	0.46	1.15							1250	Unknown		
26416	CLUSTER	YES	87678.58		11.65	26.94	38.6	23620	Valve	305.54	Valve	13819.51	36	0.312	52	0.21	0.07	9.70	2.80	6:17	335	952	686	649	0.49	1.10							1250	Unknown		
26429	CLUSTER	YES	87679.61		12.68	25.92	38.6	23620	Valve	306.57	Valve	13818.48	36	0.312	52	0.25	0.08	20.42	4.56	0.257639	335	889	640	649	0.52	1.07							1250	Unknown		
26447	CLUSTER	YES	87680.98		14.05	24.54	38.6	23620	Valve	307.94	Valve	13817.11	36	0.312	52	0.15	0.05	5.63	1.04	0.222917	335	1016	731	649	0.46	1.13							1250	Unknown		
26453	MELO-CORR	YES	87681.43		14.5	24.1	38.6	23620	Valve	308.39	Valve	13816.66	36	0.312	52	0.16	0.05	1.22	0.16	0.272917	335	1068	769	649	0.44	1.19							1598	Metal Loss		
26455	CLUSTER	YES	87683.11		16.18	22.42	38.6	23620	Valve	310.07	Valve	13814.98	36	0.312	52	0.18	0.06	18.94	3.93	6:12	335	945	680	649	0.49	1.07							1250	Unknown		
26461	CLUSTER	YES	87683.31		16.38	22.22	38.6	23620	Valve	310.27	Valve	13814.78	36	0.312	52	0.15	0.05	11.86	4.53	5:25	335	981	706	649	0.47	1.10							1250	Unknown		
26478	CLUSTER	YES	87684.52		17.59	21.01	38.6	23620	Valve	311.48	Valve	13813.57	36	0.312	52	0.16	0.05	16.67	7.73	0.225694	335	963	693	649	0.48	1.09							1250	Unknown		
26500	CLUSTER	YES	87686.34		19.41	19.18	38.6	23620	Valve	313.3	Valve	13811.75	36	0.312	52	0.23	0.07	6.29	4.46	0.227778	335	971	699	649	0.48	1.12							1250	Unknown		
26502	CLUSTER	YES	87686.35		19.42	19.18	38.6	23620	Valve	313.31	Valve	13811.74	36	0.312	52	0.15	0.05	2.72	2.29	0.268056	335	1050	756	649	0.44	1.17							1250	Unknown		
26508	MELO-CORR	YES	87686.8		19.87	18.73	38.6	23620	Valve	313.76	Valve	13811.29	36	0.312	52	0.19	0.06	1.18	0.20	6:41	335	1067	768	649	0.44	1.18							1598	Metal Loss		
26510	CLUSTER	YES	87687.29		20.36	18.24	38.6	23620	Valve	314.25	Valve	13810.8	36	0.312	52	0.18	0.06	67.64	7.76	5:27	335	919	662	649	0.51	1.05							1250	Unknown		
26513	CLUSTER	YES	87687.38		20.45	18.15	38.6	23620	Valve	314.34	Valve	13810.71	36	0.312	52	0.16	0.05	1.88	0.66	0.229167	335	1060	763	649	0.44	1.18							1250	Unknown		
26526	CLUSTER	YES	87688.32		21.39	17.21	38.6	23620	Valve	315.28	Valve	13809.77	36	0.312	52	0.26	0.08	6.01	0.76	0.270139	335	960	691	649	0.48	1.12							1250	Unknown		
26553	MELO-CORR	YES	87689.65		22.73	15.87	38.6	23620	Valve	316.62	Valve	13808.43	36	0.312	52	0.19	0.06	1.22	0.20	0.271528	335	1067	768	649	0.44	1.18							1598	Metal Loss		
26556	MELO-CORR	YES	87689.96		23.03	15.57	38.6	23620	Valve	316.92	Valve	13808.13	36	0.312	52	0.15	0.05	1.18	0.59	5:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
26577	MELO-CORR	YES	87691.81		24.88	13.72	38.6	23620	Valve	318.77	Valve	13806.28	36	0.312	52	0.15	0.05	1.18	0.20	7:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
26579	MELO-CORR	YES	87691.88		24.95	13.65	38.6	23620	Valve	318.84	Valve	13806.21	36	0.312	52	0.15	0.05	1.10	0.16	0.235417	335	1070	770	649	0.43	1.19							1598	Metal Loss		
26588	CLUSTER	YES	87692.48		25.55	13.05	38.6	23620	Valve	319.44	Valve	13805.61	36	0.312	52	0.19	0.06	5.80	3.30	0.26875	335	997	718	649	0.47	1.12							1250	Unknown		
26591	MELO-CORR	YES	87692.55		25.62	12.97	38.6	23620	Valve	319.51	Valve	13805.54	36	0.312	52	0.17	0.05	1.10	0.32	0.309028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
26597	MELO-CORR	YES	87693.08		26.15	12.45	38.6	23620	Valve	320.04	Valve	13805.01	36	0.312	52	0.17	0.05	1.14	0.24	6:33	335	1069	769	649	0.44	1.19							1598	Metal Loss		
26599	CLUSTER	YES	87693.38		26.45	12.15	38.6	23620	Valve	320.34	Valve	13804.71	36	0.312	52	0.17	0.05	3.73	3.05	6:07	335	1031	742	649	0.45	1.15							1250	Unknown		
26603	CLUSTER	YES	87693.79		26.86	11.74	38.6	23620	Valve	320.75	Valve	13804.3	36	0.312	52	0.17	0.05	1.80	1.26	0.2625	335	1060	763	649	0.44	1.18							1250	Unknown		
26606	CLUSTER	YES	87694.05		27.12	11.48	38.6	23620	Valve	321.01	Valve	13804.04	36	0.312	52	0.27	0.08	28.00	6.98	0.252083	335	864	622	649	0.54	1.05							1250	Unknown		
26607	MELO-CORR	YES	87694.12		27.19	11.4	38.6	23620	Valve	321.08	Valve	13803.97	36	0.312	52	0.23	0.07	1.18	0.24	0.234722	335	1065	767	649	0.44	1.18							1598	Metal Loss		
26620	CLUSTER	YES	87694.95		28.02	10.58	38.6	23620	Valve	321.91	Valve	13803.14	36	0.312	52	0.16	0.05	4.19	4.87	5:41	335	1028	740	649	0.45	1.15							1250	Unknown		
26641	CLUSTER	YES	87695.86		28.93	9.67	38.6	23620	Valve	322.82	Valve	13802.23	36	0.312	52	0.26	0.08	68.78	13.13	5:22	335	848	611	649	0.55	1.03							1250	Unknown		
26717	CLUSTER	YES	87698.64		31.71	6.89	38.6	23620	Valve	325.6	Valve	13799.45	36	0.312	52	0.26	0.08	5.45	3.99	0.261806	335	969	698	649	0.48	1.11							1250	Unknown		
26770	MELO-CORR	YES	87701.52		34.59	4.01	38.6	23620	Valve	328.48	Valve	13796.57	36	0.312	52	0.23	0.07	1.18	0.59	0.261111	335	1065	767	649	0.44	1.18							1598	Metal Loss		
26772	CLUSTER	YES	87701.73		34.8	3.79	38.6	23620	Valve	328.69	Valve	13796.36	36	0.312	52	0.25	0.08	10.07	3.49	0.234722	335	924	665	649	0.50	1.09							1250	Unknown		
26778	CLUSTER	YES	87702.24		35.31	3.29	38.6	23620	Valve	329.2	Valve	13795.85	36	0.312	52	0.27	0.08	36.35	8.89	5:38	335	856	616	649	0.54	1.05							1250	Unknown		
26785	CLUSTER	YES	87702.66		35.73	2.87	38.6	23620	Valve	329.62	Valve	13795.43	36	0.312	52	0.29	0.09	1.75	0.60	5:39	335	1048	755	649	0.44	1.17							1250	Unknown		
26806	CLUSTER	YES	87703.66		36.73	1.86	38.6	23620	Valve	330.62	Valve	13794.43	36	0.312	52	0.23	0.07	17.86	4.62	0.229167	335	909	654	649	0.51	1.08							1250	Unknown		
26841	GirthWeld		87705.53		38.6	39.79	39.79	23630	Valve	332.49	Valve	13792.56	36	0.312	52					0.5	335			649									1250	Unknown		
26843	CLUSTER	YES	87707.07		1.54	38.24	39.79	23630	Valve	334.03	Valve	13791.02	36	0.312	52	0.21	0.07	7.40	1.04	0.240278	335	970	698	649	0.48	1.12							1250	Unknown		
26848	CLUSTER	YES	87708.32		2.79	37	39.79	23630	Valve	335.28	Valve	13789.77	36	0.312	52	0.21	0.07	22.74	2.86	6:07	335	917	660	649	0.51	1.07							1250	Unknown		
26850	MELO-CORR	YES	87708.71		3.18	36.6	39.79	23630	Valve	335.67	Valve	13789.38	36	0.312	52	0.16	0.05	1.22	0.16	5:38	335	1068	769	649	0.44	1.19							1598	Metal Loss		
26857	CLUSTER	YES	87710.87		5.34	34.45	39.79	23630	Valve	337.83	Valve	13787.22	36	0.312	52	0.24	0.08	12.24	1.57	0.259028	335	919	662	649	0.51	1.06							1250	Unknown		
26864	CLUSTER	YES	87712.74		7.21	32.57	39.79	23630	Valve	339.7	Valve	13785.35	36	0.312	52	0.23	0.07	8.90	1.57	0.256944	335	945	681	649	0.49	1.10							1250	Unknown		
26870	CLUSTER	YES	87720.81		15.28	24.51	39.79	23630	Valve	347.77	Valve	13777.28	36	0.312	52	0.15	0.05	19.00	2.20	0.255556	335	967	696	649	0.48	1.09							1250	Unknown		
26879	GirthWeld		87745.32		39.79	39.76	39.77	23640	Valve	372.28	Valve	13752.77	36	0.312	52					12:56	335			649									1250	Unknown		
26880	GirthWeld		87785.08		39.76	39.8	39.79	23650	Valve	412.04	Valve	13713.01	36	0.312	52					2:35	335			649									1250	Unknown		
26881	GirthWeld		87824.88		39.8	39.83	39.83	23660	Valve	451.84	Valve	13673.21	36	0.312	52					0.494444	335			649									1250	Unknown		
26882	GirthWeld		87864.71		39.83	39.79	39.79	23670	Valve	491.67	Valve	13633.38	36	0.312	52					0.4625	335			649									1250	Unknown		
26883	MELO-CORR	YES	87866.02		1.31	38.48	39.79	23670	Valve	492.98	Valve	13632.07	36	0.312	52	0.17	0.05	1.10	0.24	0.286806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
26885	CLUSTER	YES	87881.97		17.26	22.53	39.79	23670	Valve	508.93	Valve	13616.12	36	0.312	52	0.16	0.05	1.94	1.73	6:56	335	1060	763	649	0.44	1.17							1250	Unknown		
26888	CLUSTER	YES	87882.34		17.63	22.16	39.79	23670	Valve	509.3	Valve	13615.75	36	0.312	52	0.17	0.05	2.20	0.60	6:54	335	1055	759	649	0.44	1.17							1250	Unknown		
26890	MELO-CORR	YES	87883.31		18.6	21.19	39.79	23670	Valve	510.27	Valve	13614.78	36	0.312	52	0.15	0.05	1.10	0.16	0.291667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
26891	MELO-CORR	YES	87887.27		22.56	17.23	39.79	23670	Valve	514.23	Valve	13610.82	36	0.312	52	0.15	0.05	1.14	0.16	0.284722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
26893	CLUSTER	YES	87899.72		35.01	4.78	39.79	23670	Valve	526.68	Valve	13598.37	36	0.312	52	0.16	0.05	15.47	1.82	0.240972	335	965	695	649	0.48	1.09							1250	Unknown		
26899	GirthWeld		87904.5		39.79	34.65	34.65	23680	Valve	531.46	Valve	13593.59	36	0.312	52					12:47	335			649									1250	Unknown		
26901	CLUSTER	YES	87905.89		1.39	33.26	34.65	23680	Valve	532.85	Valve	13592.2	36	0.312	52	0.17	0.05	9.10	1.76	5:44	335	980	706	649	0.47	1.11							1250	Unknown		
26905	CLUSTER	YES	87906.34		1.84	32.82	34.65	23680	Valve	533.3	Valve	13591.75	36	0.312	52	0.18	0.06	3.38	1.07	0.256944	335	1034	744	649	0.45	1.16							1250	Unknown		
26909	CLUSTER	YES	87919.75		15.25	19.4	34.65	23680	Valve	546.71	Valve	13578.34	36	0.312	52	0.25	0.08	11.66	2.26	0.242361	335	915	659	649	0.51	1.09							1250	Unknown		
26918	CLUSTER	YES	87922.66		18.16	16.49	34.65	23680	Valve	549.62	Valve	13575.43	36	0.312	52	0.17	0.05	7.99	2.42	0.245833	335	987	711	649	0.47	1.12							1250	Unknown		
26924	GirthWeld		87939.15		34.65	5.01	5.01	23690	Valve	566.11	Valve	13558.94	36	0.312	52					11:00	335			649									1250	Unknown		
26925	GirthWeld		87944.16		5.01	16.87	16.87	23700	Valve	571.12	Valve	13553.93	36	0.312	52					12:07	335			649									1250	Unknown		
26926	GirthWeld		87961.03		16.87	24.83	24.83	23710	Valve	587.99	Valve	13537.06	36	0.312	52					0.049306	335			649									1250	Unknown		
26927	GirthWeld		87985.86		24.83	34.92	34.92	23720	Valve	612.82	Valve	13512.23	36	0.312	52					0.463889	335			649									1250	Unknown		
26928	GirthWeld		88020.78		34.92	39.77	39.77	23730	Valve	647.74	Valve	13477.31	36	0.312	52					0.536111	335			649									1250	Unknown		
26929	GirthWeld		88060.55		39.77	39.22	39.22	23740	Valve	687.51	Valve	13437.54	36	0.312	52					11:00	335			649									1250	Unknown		
26930	GirthWeld		88099.77		39.22	37.92	37.91	23750	Valve	726.74	Valve	13398.32	36	0.312	52					1:10	335			649									1250	Unknown		
26931	GirthWeld		88137.69		37.92	39.8	39.8	23760	Valve	764.65	Valve	13360.4	36	0.312	52					0.429861	335			649									1250	Unknown		
26932	GirthWeld		88177.49		39.8	39.84	39.84	23770	Valve	804.45	Valve	13320.6	36	0.312	52					0.488889	335			649									1250	Unknown		
26933	GirthWeld		88217.33		39.84	39.76	39.76	23780	Valve	844.29	Valve	13280.76	36	0.312	52					0.163889	335			649									1250	Unknown		
26934	GirthWeld		88257.09		39.76	39.98	39.98	23790	Valve	884.05	Valve	13241	36	0.312	52					2:18	335			649									1250	Unknown		
26936	CLUSTER	YES	88275.09		18	21.98	39.98	23790	Valve	902.05	Valve	13223	36	0.312	52	0.15	0.05	4.76	3.61	6:06	335	1025	738	649	0.45	1.14							1250	Unknown		
26941	CLUSTER	YES	88279.9		22.81	17.17	39.98	23790	Valve	906.86	Valve	13218.19	36	0.312	52	0.17	0.05	5.28	1.20	0.25625	335	1011	728	649	0.46	1.14							1250	Unknown		
26943	CLUSTER	YES	88281.87		24.78	15.2	39.98	23790	Valve	908.83	Valve	13216.22	36	0.312	52	0.28	0.09	20.34	9.08	0.232639	335	866	623	649	0.54	1.06							1250	Unknown		
26948	MELO-CORR	YES	88282.35		25.26	14.72	39.98	23790	Valve	909.31	Valve	13215.74	36	0.312	52	0.17	0.05	1.14	0.16	0.206944	335	1069	769	649	0.44	1.19							1598	Metal Loss		
26964	MELO-CORR	YES	88283.3		26.21	13.77	39.98	23790	Valve	910.26	Valve	13214.79	36	0.312	52	0.25	0.08	1.10	0.20	6:31	335	1065	767	649	0.44	1.18							1598	Metal Loss		
26968	CLUSTER	YES	88283.72		26.63	13.35	39.98	23790	Valve	910.68	Valve	13214.37	36	0.312	52	0.2	0.06	14.89	8.80	5:41	335	938	675	649	0.50	1.08							1250	Unknown		
26989	CLUSTER	YES	88285.12		28.03	11.95	39.98	23790	Valve	912.08	Valve	13212.97	36	0.312	52	0.19	0.06	26.12	5.12	0.240972	335	930	669	649	0.50	1.07							1250	Unknown		
27004	GirthWeld		88297.07		39.98	39.85	39.85	23800	Valve	924.03	Valve	13201.02	36	0.312	52					0.395833	335			649									1250	Unknown		
27006	CLUSTER	YES	88299.71		2.64	37.21	39.85	23800	Valve	926.67	Valve	13198.38	36	0.312	52	0.15	0.05	13.67	2.29	0.238889	335	976	703	649	0.48	1.09							1250	Unknown		
27013	CLUSTER	YES	88303.51		6.44	33.42	39.85	23800	Valve	930.47	Valve	13194.58	36	0.312	52	0.19	0.06	7.34	1.07	5:44	335	981	706	649	0.47	1.10							1250	Unknown		
27016	CLUSTER	YES	88304.52		7.45	32.4	39.85	23800	Valve	931.48	Valve	13193.57	36	0.312	52	0.2	0.06	3.83	0.41	5:44	335	1021	735	649	0.46	1.14							1250	Unknown		
27019	CLUSTER	YES	88305.2		8.13	31.72	39.85	23800	Valve	932.16	Valve	13192.89	36	0.312	52	0.17	0.05	7.63	1.10	0.258333	335	989	712	649	0.47	1.12							1250	Unknown		
27024	GirthWeld		88336.92		39.85	39.78	39.77	23810	Valve	963.88	Valve	13161.17	36	0.312	52					0.425	335			649									1250	Unknown		
27025	GirthWeld		88376.7		39.78	39.84	39.84	23820	Valve	1003.66	Valve	13121.39	36	0.312	52					0.070833	335			649									1250	Unknown		
27026	GirthWeld		88416.54		39.84	39.8	39.8	23830	Valve	1043.5	Valve	13081.55	36	0.312	52					1:02	335			649									1250	Unknown		
27027	GirthWeld		88456.34		39.8	39.9	39.9	23840	Valve	1083.3	Valve	13041.75	36	0.312	52					10:20	335			649									1250	Unknown		
27029	CLUSTER	YES	88462.66		6.32	33.58	39.9	23840	Valve	1089.62	Valve	13035.43	36	0.312	52	0.24	0.08	11.51	4.05	0.247222	335	922	664	649	0.50	1.07							1250	Unknown		
27038	MELO-CORR	YES	88464.77		8.43	31.47	39.9	23840	Valve	1091.73	Valve	13033.32	36	0.312	52	0.15	0.05	1.14	0.20	0.294444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
27040	CLUSTER	YES	88465.61		9.27	30.63	39.9	23840	Valve	1092.57	Valve	13032.48	36	0.312	52	0.18	0.06	17.45	1.98	0.247222	335	947	682	649	0.49	1.05							1250	Unknown		
27052	CLUSTER	YES	88468.1		11.76	28.14	39.9	23840	Valve	1095.06	Valve	13029.99	36	0.312	52	0.18	0.06	10.57	1.86	5:56	335	966	696	649	0.48	1.09							1250	Unknown		
27060	CLUSTER	YES	88472.09		15.75	24.15	39.9	23840	Valve	1099.05	Valve	13026	36	0.312	52	0.35	0.11	5.16	0.47	6:01	335	931	671	649	0.50	1.07							1250	Unknown		
27064	CLUSTER	YES	88472.73		16.39	23.51	39.9	23840	Valve	1099.69	Valve	13025.36	36	0.312	52	0.18	0.06	10.55	2.42	0.240278	335	967	696	649	0.48	1.10							1250	Unknown		
27069	CLUSTER	YES	88474.41		18.07	21.83	39.9	23840	Valve	1101.37	Valve	13023.68	36	0.312	52	0.2	0.06	23.48	4.68	0.241667	335	924	666	649	0.50	1.08							1250	Unknown		
27084	CLUSTER	YES	88477.58		21.24	18.66	39.9	23840	Valve	1104.54	Valve	13020.51	36	0.312	52	0.26	0.08	11.16	4.31	0.245139	335	911	656	649	0.51	1.08							1250	Unknown		
27092	CLUSTER	YES	88478.29		21.95	17.95	39.9	23840	Valve	1105.25	Valve	13019.8	36	0.312	52	0.15	0.05	1.86	0.63	6:18	335	1062	764	649	0.44	1.18							1250	Unknown		
27096	CLUSTER	YES	88478.67		22.33	17.57	39.9	23840	Valve	1105.63	Valve	13019.42	36	0.312	52	0.15	0.05	9.35	2.73	5:50	335	991	713	649	0.47	1.11							1250	Unknown		
27101	MELO-CORR	YES	88480.15		23.81	16.1	39.9	23840	Valve	1107.11	Valve	13017.94	36	0.312	52	0.15	0.05	1.22	0.63	0.245833	335	1069	769	649	0.44	1.19							1598	Metal Loss		
27103	CLUSTER	YES	88480.33		23.99	15.91	39.9	23840	Valve	1107.29	Valve	13017.76	36	0.312	52	0.2	0.06	7.54	3.36	0.245139	335	974	701	649	0.48	1.10							1250	Unknown		
27109	CLUSTER	YES	88481.12		24.78	15.13	39.9	23840	Valve	1108.08	Valve	13016.97	36	0.312	52	0.22	0.07	2.62	2.33	0.244444	335	1039	748	649	0.45	1.16							1250	Unknown		
27113	CLUSTER	YES	88481.48		25.14	14.76	39.9	23840	Valve	1108.44	Valve	13016.61	36	0.312	52	0.23	0.07	5.26	4.43	5:50	335	986	710	649	0.47	1.12							1250	Unknown		
27122	CLUSTER	YES	88482.48		26.14	13.76	39.9	23840	Valve	1109.44	Valve	13015.61	36	0.312	52	0.18	0.06	4.62	1.07	5:49	335	1016	731	649	0.46	1.14							1250	Unknown		
27126	CLUSTER	YES	88483.51		27.17	12.73	39.9	23840	Valve	1110.47	Valve	13014.58	36	0.312	52	0.26	0.08	14.23	4.15	0.24375	335	896	645	649	0.52	1.08							1250	Unknown		
27135	CLUSTER	YES	88484.84		28.5	11.4	39.9	23840	Valve	1111.8	Valve	13013.25	36	0.312	52	0.17	0.05	8.89	3.05	0.240972	335	981	707	649	0.47	1.11							1250	Unknown		
27141	MELO-CORR	YES	88485.87		29.53	10.37	39.9	23840	Valve	1112.83	Valve	13012.22	36	0.312	52	0.15	0.05	1.10	0.16	0.241667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
27143	CLUSTER	YES	88486.42		30.08	9.82	39.9	23840	Valve	1113.38	Valve	13011.67	36	0.312	52	0.22	0.07	11.20	3.08	5:41	335	937	675

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
27199	GirthWeld		88733.71		39.11	39.68	39.68	23910	Valve	1360.67	Valve	12764.38	36	0.312	52					2:12	335			649									1250	Unknown		
27200	GirthWeld		88773.39		39.68	39.83	39.82	23920	Valve	1400.35	Valve	12724.7	36	0.312	52					11:25	335			649									1250	Unknown		
27201	GirthWeld		88813.22		39.83	16.86	16.86	23930	Valve	1440.18	Valve	12684.87	36	0.312	52					0.441667	335			649									1250	Unknown		
27202	GirthWeld		88830.08		16.86	20.32	20.32	23940	Valve	1457.04	Valve	12668.01	36	0.312	52					0.463889	335			649									1250	Unknown		
27203	GirthWeld		88850.4		20.32	39.85	39.85	23950	Valve	1477.37	Valve	12647.68	36	0.312	52					0.050694	335			649									1250	Unknown		
27204	GirthWeld		88890.25		39.85	39.8	39.8	23960	Valve	1517.21	Valve	12607.84	36	0.312	52					2:18	335			649									1250	Unknown		
27205	GirthWeld		88930.05		39.8	39.42	39.42	23970	Valve	1557.01	Valve	12568.04	36	0.312	52					10:28	335			649									1250	Unknown		
27206	GirthWeld		88969.47		39.42	39.58	39.58	23980	Valve	1596.43	Valve	12528.62	36	0.312	52					0.500694	335			649									1250	Unknown		
27207	MELO-CORR	YES	88981.63		12.16	27.42	39.58	23980	Valve	1608.6	Valve	12516.46	36	0.312	52	0.18	0.06	1.18	0.20	0.239583	335	1068	769	649	0.44	1.18							1598	Metal Loss		
27208	GirthWeld		89009.05		39.58	26.68	26.68	23990	Valve	1636.01	Valve	12489.04	36	0.312	52					0.535417	335			649									1250	Unknown		
27210	CLUSTER	YES	89011.04		1.99	24.69	26.68	23990	Valve	1638	Valve	12487.05	36	0.312	52	0.18	0.06	10.69	1.51	6:09	335	966	695	649	0.48	1.10							1250	Unknown		
27216	CLUSTER	YES	89015.86		6.81	19.87	26.68	23990	Valve	1642.82	Valve	12482.23	36	0.312	52	0.16	0.05	10.52	0.94	5:48	335	979	705	649	0.48	1.10							1250	Unknown		
27222	CLUSTER	YES	89016.52		7.47	19.21	26.68	23990	Valve	1643.48	Valve	12481.57	36	0.312	52	0.15	0.05	2.89	0.66	0.259722	335	1048	755	649	0.44	1.17							1250	Unknown		
27225	MELO-CORR	YES	89020.02		10.97	15.71	26.68	23990	Valve	1646.98	Valve	12478.07	36	0.312	52	0.16	0.05	1.22	0.43	0.261111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
27227	CLUSTER	YES	89026.34		17.29	9.39	26.68	23990	Valve	1653.3	Valve	12471.75	36	0.312	52	0.15	0.05	13.55	1.57	0.256944	335	976	703	649	0.48	1.09							1250	Unknown		
27232	GirthWeld		89035.73		26.68	39.11	39.11	24000	Valve	1662.69	Valve	12462.36	36	0.312	52					2:00	335			649									1250	Unknown		
27234	CLUSTER	YES	89040.11		4.38	34.73	39.11	24000	Valve	1667.07	Valve	12457.98	36	0.312	52	0.24	0.08	4.25	0.32	5:49	335	1000	720	649	0.47	1.14							1250	Unknown		
27237	CLUSTER	YES	89040.9		5.17	33.94	39.11	24000	Valve	1667.86	Valve	12457.19	36	0.312	52	0.16	0.05	5.63	0.72	0.242361	335	1012	728	649	0.46	1.13							1250	Unknown		
27240	CLUSTER	YES	89043.47		7.74	31.37	39.11	24000	Valve	1670.43	Valve	12454.62	36	0.312	52	0.2	0.06	5.05	0.38	0.24375	335	1002	721	649	0.46	1.11							1250	Unknown		
27242	GirthWeld		89074.84		39.11	18.83	18.83	24010	Valve	1701.8	Valve	12423.25	36	0.312	52					0.466667	335			649									1250	Unknown		
27243	GirthWeld		89093.67		18.83	19.97	19.96	24020	Valve	1720.63	Valve	12404.42	36	0.312	52					11:42	335			649									1250	Unknown		
27244	GirthWeld		89113.64		19.97	39.34	39.34	24030	Valve	1740.6	Valve	12384.45	36	0.312	52					10:35	335			649									1250	Unknown		
27245	GirthWeld		89152.98		39.34	39.85	39.85	24040	Valve	1779.94	Valve	12345.11	36	0.312	52					0.5375	335			649									1250	Unknown		
27246	GirthWeld		89192.83		39.85	39.8	39.8	24050	Valve	1819.79	Valve	12305.26	36	0.312	52					0.094444	335			649									1250	Unknown		
27247	GirthWeld		89232.63		39.8	29.66	29.66	24060	Valve	1859.59	Valve	12265.46	36	0.312	52					0.452778	335			649									1250	Unknown		
27248	GirthWeld		89262.29		29.66	39.57	39.57	24070	Valve	1889.26	Valve	12235.79	36	0.312	52					11:26	335			649									1250	Unknown		
27249	GirthWeld		89301.87		39.58	16.4	16.4	24080	Valve	1928.83	Valve	12196.22	36	0.312	52					12:46	335			649									1250	Unknown		
27250	GirthWeld		89318.27		16.4	18.69	18.69	24090	Valve	1945.23	Valve	12179.82	36	0.312	52					0.054167	335			649									1250	Unknown		
27251	GirthWeld		89336.96		18.69	11.36	11.36	24100	Valve	1963.92	Valve	12161.13	36	0.312	52					0.104167	335			649									1250	Unknown		
27252	GirthWeld		89348.32		11.36	39.86	39.86	24110	Valve	1975.28	Valve	12149.77	36	0.312	52					0.422222	335			649									1250	Unknown		
27253	GirthWeld		89388.18		39.86	19.18	19.18	24120	Valve	2015.14	Valve	12109.91	36	0.312	52					10:58	335			649									1250	Unknown		
27254	GirthWeld		89407.36		19.18	21.28	21.28	24130	Valve	2034.32	Valve	12090.73	36	0.312	52					11:18	335			649									1250	Unknown		
27255	GirthWeld		89428.64		21.28	38.76	38.76	24140	Valve	2055.6	Valve	12069.45	36	0.312	52					0.095833	335			649									1250	Unknown		
27256	GirthWeld		89467.4		38.76	36.05	36.05	24150	Valve	2094.36	Valve	12030.69	36	0.312	52					0.1375	335			649									1250	Unknown		
27258	CLUSTER	YES	89471.33		3.93	32.12	36.05	24150	Valve	2098.29	Valve	12026.76	36	0.312	52	0.15	0.05	6.67	0.50	0.265972	335	1007	725	649	0.46	1.12							1250	Unknown		
27261	MELO-CORR	YES	89474.01		6.62	29.43	36.05	24150	Valve	2100.98	Valve	12024.07	36	0.312	52	0.17	0.05	1.10	0.32	6:25	335	1069	770	649	0.44	1.19							1598	Metal Loss		
27262	MELO-CORR	YES	89475.98		8.58	27.47	36.05	24150	Valve	2102.94	Valve	12022.11	36	0.312	52	0.17	0.05	1.10	0.24	6:21	335	1069	770	649	0.44	1.19							1598	Metal Loss		
27264	CLUSTER	YES	89481.63		14.23	21.82	36.05	24150	Valve	2108.59	Valve	12016.46	36	0.312	52	0.15	0.05	6.23	1.45	0.265278	335	1011	728	649	0.46	1.13							1250	Unknown		
27270	CLUSTER	YES	89485.88		18.48	17.57	36.05	24150	Valve	2112.84	Valve	12012.21	36	0.312	52	0.16	0.05	2.12	0.76	0.207639	335	1057	761	649	0.44	1.17							1250	Unknown		
27272	MELO-CORR	YES	89488.86		21.46	14.59	36.05	24150	Valve	2115.82	Valve	12009.23	36	0.312	52	0.16	0.05	1.10	0.16	0.278472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
27273	MELO-CORR	YES	89489.73		22.33	13.71	36.05	24150	Valve	2116.69	Valve	12008.36	36	0.312	52	0.15	0.05	1.10	0.51	6:48	335	1070	770	649	0.43	1.19							1598	Metal Loss		
27275	CLUSTER	YES	89494.02		26.62	9.43	36.05	24150	Valve	2120.98	Valve	12004.07	36	0.312	52	0.15	0.05	4.14	2.61	6:09	335	1032	743	649	0.45	1.15							1250	Unknown		
27280	CLUSTER	YES	89501.8		34.4	1.64	36.05	24150	Valve	2128.76	Valve	11996.29	36	0.312	52	0.15	0.05	7.19	2.86	0.265972	335	1003	722	649	0.46	1.12							1250	Unknown		
27284	GirthWeld		89503.45		36.05	19.2	19.2	24160	Valve	2130.41	Valve	11994.64	36	0.312	52					0.3625	335			649									1250	Unknown		
27285	MELO-CORR	YES	89504.67		1.22	17.98	19.2	24160	Valve	2131.63	Valve	11993.42	36	0.312	52	0.16	0.05	1.22	0.24	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
27286	MELO-CORR	YES	89509.94		6.49	12.71	19.2	24160	Valve	2136.9	Valve	11988.15	36	0.312	52	0.15	0.05	1.10	0.16	6:29	335	1070	770	649	0.43	1.19							1598	Metal Loss		
27288	CLUSTER	YES	89512.6		9.15	10.05	19.2	24160	Valve	2139.56	Valve	11985.49	36	0.312	52	0.18	0.06	8.03	2.64	6:20	335	981	706	649	0.47	1.11							1250	Unknown		
27292	GirthWeld		89522.65		19.2	20.65	20.66	24170	Valve	2149.61	Valve	11975.44	36	0.312	52					0.406944	335			649									1250	Unknown		
27294	CLUSTER	YES	89531.01		8.36	12.29	20.66	24170	Valve	2157.97	Valve	11967.08	36	0.312	52	0.15	0.05	12.91	2.61	0.263889	335	978	704	649	0.48	1.09							1250	Unknown		
27302	MELO-CORR	YES	89532.65		10	10.66	20.66	24170	Valve	2159.61	Valve	11965.44	36	0.312	52	0.15	0.05	1.18	0.24	0.283333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
27304	CLUSTER	YES	89535.23		12.58	8.07	20.66	24170	Valve	2162.19	Valve	11962.86	36	0.312	52	0.15	0.05	7.76	1.51	6:18	335	999	720	649	0.47	1.12							1250	Unknown		
27309	CLUSTER	YES	89537.19		14.54	6.12	20.66	24170	Valve	2164.15	Valve	11960.9	36	0.312	52	0.15	0.05	5.40	0.63	5:44	335	1018	733	649	0.46	1.14							1250	Unknown		
27311	GirthWeld		89543.3		20.65	17.2	17.2	24180	Valve	2170.26	Valve	11954.79	36	0.312	52					0.461806	335			649									1250	Unknown		
27312	GirthWeld		89560.5		17.2	19.4	19.4	24190	Valve	2187.46	Valve	11937.59	36	0.312	52					0.438889	335			649									1250	Unknown		
27313	MIFE	n/a	89561.62		1.12	18.28	19.4	24190	Valve	2188.58	Valve	11936.47	36	0.312	52					0.048611	335			649									2167	Mill Anomaly		
27314	MIFE	n/a	89564.39		3.89	15.51	19.4	24190	Valve	2191.35	Valve	11933.7	36	0.312	52					1:44	335			649									2167	Mill Anomaly		
27315	GirthWeld		89579.9		19.4	39.75	39.75	24200	Valve	2206.86	Valve	11918.19	36	0.312	52					3:08	335			649									1250	Unknown		
27316	GirthWeld		89619.65		39.75	38.25	38.25	24210	Valve	2246.61	Valve	11878.44	36	0.312	52					0.086111	335			649									1250	Unknown		
27317	GirthWeld		89657.9		38.26	38.59	38.59	24220	Valve	2284.87	Valve	11840.18	36	0.312	52					0.427778	335			649									1250	Unknown		
27318	GirthWeld		89696.49		38.59	39.82	39.82	24230	Valve	2323.45	Valve	11801.6	36	0.312	52					0.476389	335			649									1250	Unknown		
27319	GirthWeld		89736.31		39.82	20.98	20.98	24240	Valve	2363.27	Valve	11761.78	36	0.312	52					9:36	335			649									1250	Unknown		
27320	GirthWeld		89757.29		20.98	19.69	19.69	24250	Valve	2384.25	Valve	11740.8	36	0.312	52					10:04	335			649									1250	Unknown		
27321	GirthWeld		89776.98		19.69	36.97	36.97	24260	Valve	2403.94	Valve	11721.11	36	0.312	52					0.454167	335			649									1250	Unknown		
27322	GirthWeld		89813.95		36.97	18.08	18.08	24270	Valve	2440.91	Valve	11684.14	36	0.312	52					0.0875	335			649									1250	Unknown		
27323	GirthWeld		89832.03		18.08	21.19	21.19	24280	Valve	2458.99	Valve	11666.06	36	0.312	52					0.0625	335			649									1250	Unknown		
27324	GirthWeld		89853.22		21.19	34.21	34.21	24290	Valve	2480.18	Valve	11644.87	36	0.312	52					12:22	335			649									1250	Unknown		
27325	GirthWeld		89887.43		34.21	39.82	39.82	24300	Valve	2514.39	Valve	11610.66	36	0.312	52					10:46	335			649									1250	Unknown		
27327	CLUSTER	YES	89887.68		0.25	39.57	39.82	24300	Valve	2514.64	Valve	11610.41	36	0.312	52	0.35	0.11	4.88	1.04	0.248611	335	938	676	649	0.50	1.10							1250	Unknown		
27330	CLUSTER	YES	89907.26		19.83	19.99	39.82	24300	Valve	2534.22	Valve	11590.83	36	0.312	52	0.22	0.07	7.61	2.04	0.246528	335	962	693	649	0.48	1.07							1250	Unknown		
27337	GirthWeld		89927.25		39.82	39.76	39.76	24310	Valve	2554.21	Valve	11570.84	36	0.312	52					0.359028	335			649									1250	Unknown		
27338	MELO-CORR	YES	89929.83		2.58	37.19	39.76	24310	Valve	2556.79	Valve	11568.26	36	0.312	52	0.17	0.05	0.91	0.20	5:57	335	1071	771	649	0.43	1.19							1598	Metal Loss		
27339	GirthWeld		89967.01		39.76	6.37	6.37	24320	Valve	2593.97	Valve	11531.08	36	0.312	52					1:16	335			649									1250	Unknown		
27340	GirthWeld		89973.38		6.37	22.81	22.81	24330	Valve	2600.34	Valve	11524.71	36	0.312	52					0.5	335			649									1250	Unknown		
27341	GirthWeld		89996.19		22.81	16.44	16.44	24340	Valve	2623.15	Valve	11501.9	36	0.312	52					0.520833	335			649									1250	Unknown		
27342	GirthWeld		90012.63		16.44	39.25	39.25	24350	Valve	2639.59	Valve	11485.46	36	0.312	52					0.080556	335			649									1250	Unknown		
27343	GirthWeld		90051.88		39.25	39.82	39.82	24360	Valve	2678.85	Valve	11446.21	36	0.312	52					9:46	335			649									1250	Unknown		
27345	CLUSTER	YES	90073.84		21.96	17.86	39.82	24360	Valve	2700.8	Valve	11424.25	36	0.312	52	0.19	0.06	5.45	1.16	5:42	335	1001	721	649	0.46	1.12							1250	Unknown		
27348	MELO-CORR	YES	90077.32		25.44	14.39	39.82	24360	Valve	2704.28	Valve	11420.77	36	0.312	52	0.23	0.07	1.10	0.20	0.244444	335	1066	768	649	0.44	1.18							1598	Metal Loss		
27350	CLUSTER	YES	90077.32		25.44	14.38	39.82	24360	Valve	2704.28	Valve	11420.77	36	0.312	52	0.17	0.05	1.66	0.88	0.254861	335	1062	765	649	0.44	1.18							1250	Unknown		
27353	CLUSTER	YES	90078.66		26.78	13.04	39.82	24360	Valve	2705.62	Valve	11419.43	36	0.312	52	0.17	0.05	10.74	4.68	0.241667	335	972	700	649	0.48	1.10							1250	Unknown		
27362	CLUSTER	YES	90086.04		34.16	5.66	39.82	24360	Valve	2713	Valve	11412.05	36	0.312	52	0.29	0.09	8.42	1.04	5:42	335	912	657	649	0.51	1.08							1250	Unknown		
27368	CLUSTER	YES	90087.3		35.42	4.4	39.82	24360	Valve	2714.26	Valve	11410.79	36	0.312	52	0.16	0.05	9.14	5.41	5:49	335	986	710	649	0.47	1.11							1250	Unknown		
27378	CLUSTER	YES	90089.62		37.74	2.09	39.82	24360	Valve	2716.58	Valve	11408.47	36	0.312	52	0.15	0.05	11.30	1.67	0.259722	335	983	708	649	0.47	1.10							1250	Unknown		
27382	GirthWeld		90091.7		39.82	20.03	20.03	24370	Valve	2718.66	Valve	11406.39	36	0.312	52					0.356944	335			649									1250	Unknown		
27384	CLUSTER	YES	90091.98		0.28	19.75	20.03	24370	Valve	2718.94	Valve	11406.11	36	0.312	52	0.21	0.07	16.73	1.54	0.259028	335	926	667	649	0.50	1.07							1250	Unknown		
27392	CLUSTER	YES	90094.95		3.25	16.78	20.03	24370	Valve	2721.91	Valve	11403.14	36	0.312	52	0.19	0.06	7.22	1.73	6:04	335	982	707	649	0.47	1.10							1250	Unknown		
27399	CLUSTER	YES	90096.11		4.41	15.62	20.03	24370	Valve	2723.07	Valve	11401.98	36	0.312	52	0.15	0.05	3.77	0.69	5:53	335	1036	746	649	0.45	1.15							1250	Unknown		
27402	CLUSTER	YES	90098.22		6.52	13.51	20.03	24370	Valve	2725.18	Valve	11399.87	36	0.312	52	0.2	0.06	4.39	1.67	0.247917	335	1011	728	649	0.46	1.14							1250	Unknown		
27406	CLUSTER	YES	90099.36		7.66	12.38	20.03	24370	Valve	2726.32	Valve	11398.73	36	0.312	52	0.15	0.05	9.95	1.82	0.29375	335	988	711	649	0.47	1.11							1250	Unknown		
27409	CLUSTER	YES	90099.47		7.77	12.26	20.03	24370	Valve	2726.43	Valve	11398.62	36	0.312	52	0.2	0.06	5.45	3.55	0.242361	335	997	718	649	0.47	1.13							1250	Unknown		
27418	CLUSTER	YES	90100.32		8.62	11.42	20.03	24370	Valve	2727.28	Valve	11397.77	36	0.312	52	0.22	0.07	17.68	5.63	5:47	335	917	660	649	0.51	1.05							1250	Unknown		
27442	MELO-CORR	YES	90102.26		10.56	9.48	20.03	24370	Valve	2729.22	Valve	11395.83	36	0.312	52	0.24	0.08	1.10	0.16	5:56	335	1066	767	649	0.44	1.18							1598	Metal Loss		
27444	CLUSTER	YES	90103.77		12.07	7.97	20.03	24370	Valve	2730.73	Valve	11394.32	36	0.312	52	0.17	0.05	9.90	1.92	0.249306	335	976	703	649	0.48	1.10							1250	Unknown		
27449	CLUSTER	YES	90104.85		13.15	6.88	20.03	24370	Valve	2731.81	Valve	11393.24	36	0.312	52	0.15	0.05	2.32	1.01	0.246528	335	1056	760	649	0.44	1.17							1250	Unknown		
27452	CLUSTER	YES	90107.33		15.63	4.4	20.03	24370	Valve	2734.29	Valve	11390.76	36	0.312	52	0.3	0.09	49.51	7.23	0.239583	335	821	591	649	0.57	1.01							1250	Unknown		
27540	GirthWeld		90111.73		20.03	18.82	18.82	24380	Valve	2738.69	Valve	11386.36	36	0.312	52					8:00	335			649									1250	Unknown		
27542	CLUSTER	YES	90112.11		0.38	18.44	18.82	24380	Valve	2739.07	Valve	11385.98	36	0.312	52	0.18	0.06	8.92	5.88	5:48	335	975	702	649	0.48	1.09							1250	Unknown		
27557	CLUSTER	YES	90112.98		1.25	17.57	18.82	24380	Valve	2739.94	Valve	11385.11	36	0.312	52	0.33	0.10	183.98	9.93	0.229861	335	775	558	649	0.60	1.02							1250	Unknown		
27740	MELO-CORR	YES	90122.25		10.52	8.3	18.82	24380	Valve	2749.21	Valve	11375.84	36	0.312	52	0.21	0.07	1.18	0.43	0.261806	335	1066	768	649	0.44	1.18							1598	Metal Loss		
27873	CLUSTER	YES	90128.43		16.7	2.12	18.82	24380	Valve	2755.39	Valve	11369.66	36	0.312	52	0.18	0.06	23.78	4.71	0.246528	335	940	676	649	0.50	1.07							1250	Unknown		
27888	GirthWeld		90130.55		18.82	39.98	39.98	24390	Valve	2757.51	Valve	11367.54	36	0.312	52					4:00	335			649									1250	Unknown		
27890	CLUSTER	YES	90130.72		0.17	39.81	39.98	24390	Valve	2757.68	Valve	11367.37	36	0.312	52	0.19	0.06	4.85	1.16	6:35	335	1009	726	649	0.46	1.12							1250	Unknown		
27894	CLUSTER	YES	90130.96		0.41	39.57	39.98	24390	Valve	2757.92	Valve	11367.13	36	0.312	52	0.22	0.07	20.58	7.45	0.227778	335	912	657	649	0.51	1.06							1250	Unknown		
27912	MELO-CORR	YES	90132.78		2.23	37.75	39.98	24390	Valve	2759.74	Valve	11365.31	36	0.312	52	0.16	0.05	1.22	0.16	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
27914	CLUSTER	YES	90134.15		3.6	36.38	39.98	24390	Valve	2761.11	Valve	11363.94	36	0.312	52	0.15	0.05	10.02	0.60	0.225	335	988	711	649	0.47	1.11							1250	Unknown		
27916	MELO-CORR	YES	90134.56		4.01	35.96	39.98	24390	Valve	2761.52	Valve	11363.53	36	0.312	52	0.19	0.06	1.10	0.20	6:18	335	1068	769	649	0.44	1.19							1598	Metal Loss		
27919	CLUSTER	YES	90135.12		4.57	35.4	39.98	24390	Valve	2762.08	Valve	11362.97	36	0.312	52	0.18	0.06	5.63	1.79	6:17	335	1003	722	649	0.46	1.13							1250	Unknown		
27924	CLUSTER	YES	90135.86	

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
28007	CLUSTER	YES	90266.15		16.13	23.63	39.76	24430	Valve	2893.12	Valve	11231.93	36	0.312	52	0.24	0.08	9.86	1.76	5:56	335	932	671	649	0.50	1.04							1250	Unknown		
28012	CLUSTER	YES	90267.93		17.9	21.86	39.76	24430	Valve	2894.89	Valve	11230.16	36	0.312	52	0.22	0.07	3.70	1.32	6:02	335	1017	732	649	0.46	1.13							1250	Unknown		
28014	AS_Sleeve		90288.71		38.68	1.08	39.76	24430	Valve	2915.67	Valve	11209.38	36	0.312	52						335			649									1789	Sleeve		
28015	GirthWeld		90289.79		39.76	39.26	39.26	24440	Valve	2916.75	Valve	11208.3	36	0.312	52					0.44375	335			649									1250	Unknown		
28016	AE_Sleeve		90294.69		4.9	34.36	39.26	24440	Valve	2921.65	Valve	11203.4	36	0.312	52						335			649									1789	Sleeve		
28018	CLUSTER	YES	90299.59		9.8	29.46	39.26	24440	Valve	2926.55	Valve	11198.5	36	0.312	52	0.29	0.09	5.26	1.45	6:06	335	958	690	649	0.49	1.09							1250	Unknown		
28022	CLUSTER	YES	90304.19		14.4	24.85	39.26	24440	Valve	2931.15	Valve	11193.9	36	0.312	52	0.28	0.09	7.33	1.23	5:50	335	931	670	649	0.50	1.08							1250	Unknown		
28025	CLUSTER	YES	90304.39		14.6	24.65	39.26	24440	Valve	2931.35	Valve	11193.7	36	0.312	52	0.15	0.05	5.87	1.23	0.259028	335	1014	730	649	0.46	1.13							1250	Unknown		
28034	CLUSTER	YES	90325.55		35.76	3.5	39.26	24440	Valve	2952.51	Valve	11172.54	36	0.312	52	0.3	0.09	14.77	2.17	0.241667	335	865	622	649	0.54	1.03							1250	Unknown		
28042	GirthWeld		90329.05		39.26	39.58	39.59	24450	Valve	2956.01	Valve	11169.04	36	0.312	52					0.5	335			649									1250	Unknown		
28044	CLUSTER	YES	90335.37		6.32	33.27	39.59	24450	Valve	2962.33	Valve	11162.72	36	0.312	52	0.15	0.05	6.35	0.50	5:48	335	1010	727	649	0.46	1.12							1250	Unknown		
28048	GirthWeld		90368.63		39.58	39.8	39.79	24460	Valve	2995.59	Valve	11129.46	36	0.312	52					1:54	335			649									1250	Unknown		
28049	GirthWeld		90408.43		39.8	38.49	38.49	24470	Valve	3035.39	Valve	11089.66	36	0.312	52					0.045833	335			649									1250	Unknown		
28050	GirthWeld		90446.92		38.49	39.65	39.65	24480	Valve	3073.88	Valve	11051.17	36	0.312	52					0.429167	335			649									1250	Unknown		
28051	GirthWeld		90486.57		39.65	39.51	39.51	24490	Valve	3113.53	Valve	11011.52	36	0.312	52					0.51875	335			649									1250	Unknown		
28053	CLUSTER	YES	90503.16		16.59	22.92	39.51	24490	Valve	3130.12	Valve	10994.93	36	0.312	52	0.17	0.05	3.55	1.64	6:02	335	1034	745	649	0.45	1.15							1250	Unknown		
28058	CLUSTER	YES	90503.6		17.03	22.48	39.51	24490	Valve	3130.56	Valve	10994.49	36	0.312	52	0.19	0.06	3.07	0.91	5:57	335	1037	746	649	0.45	1.16							1250	Unknown		
28060	MELO-CORR	YES	90521.7		35.13	4.38	39.51	24490	Valve	3148.66	Valve	10976.39	36	0.312	52	0.16	0.05	1.18	0.51	0.244444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
28061	GirthWeld		90526.08		39.51	39.85	39.85	24500	Valve	3153.04	Valve	10972.01	36	0.312	52					0.127778	335			649									1250	Unknown		
28063	CLUSTER	YES	90537.83		11.75	28.1	39.85	24500	Valve	3164.79	Valve	10960.26	36	0.312	52	0.18	0.06	9.83	1.86	0.249306	335	970	698	649	0.48	1.10							1250	Unknown		
28069	CLUSTER	YES	90544.02		17.94	21.91	39.85	24500	Valve	3170.98	Valve	10954.07	36	0.312	52	0.19	0.06	2.27	0.41	5:59	335	1050	756	649	0.44	1.17							1250	Unknown		
28071	MELO-CORR	YES	90548.61		22.53	17.32	39.85	24500	Valve	3175.57	Valve	10949.48	36	0.312	52	0.23	0.07	1.18	0.39	5:56	335	1065	767	649	0.44	1.18							1598	Metal Loss		
28073	CLUSTER	YES	90552.95		26.87	12.98	39.85	24500	Valve	3179.91	Valve	10945.14	36	0.312	52	0.25	0.08	4.54	0.35	0.249306	335	990	713	649	0.47	1.14							1250	Unknown		
28075	GirthWeld		90565.93		39.85	18.91	18.91	24510	Valve	3192.89	Valve	10932.16	36	0.312	52					0.055556	335			649									1250	Unknown		
28076	GirthWeld		90584.84		18.91	19.99	19.99	24520	Valve	3211.8	Valve	10913.25	36	0.312	52					0.531944	335			649									1250	Unknown		
28077	GirthWeld		90604.83		19.99	20.03	20.03	24530	Valve	3231.79	Valve	10893.26	36	0.312	52					12:16	335			649									1250	Unknown		
28078	GirthWeld		90624.86		20.03	18.76	18.76	24540	Valve	3251.82	Valve	10873.23	36	0.312	52					1:14	335			649									1250	Unknown		
28079	GirthWeld		90643.62		18.76	39.81	39.81	24550	Valve	3270.58	Valve	10854.47	36	0.312	52					0.118056	335			649									1250	Unknown		
28081	CLUSTER	YES	90643.84		0.22	39.59	39.81	24550	Valve	3270.8	Valve	10854.25	36	0.312	52	0.15	0.05	4.50	1.51	0.254861	335	1028	740	649	0.45	1.14							1250	Unknown		
28084	GirthWeld		90683.43		39.81	35.41	35.41	24560	Valve	3310.39	Valve	10814.66	36	0.312	52					0.486111	335			649									1250	Unknown		
28085	GirthWeld		90718.84		35.41	39.01	39.01	24570	Valve	3345.8	Valve	10779.25	36	0.312	52					1:16	335			649									1250	Unknown		
28086	GirthWeld		90757.85		39.01	39.72	39.72	24580	Valve	3384.81	Valve	10740.24	36	0.312	52					12:04	335			649									1250	Unknown		
28088	CLUSTER	YES	90788.82		30.97	8.76	39.72	24580	Valve	3415.78	Valve	10709.27	36	0.312	52	0.17	0.05	10.27	3.17	0.245139	335	974	701	649	0.48	1.10							1250	Unknown		
28096	GirthWeld		90797.57		39.72	39.16	39.15	24590	Valve	3424.53	Valve	10700.52	36	0.312	52					0.469444	335			649									1250	Unknown		
28097	MELO-CORR	YES	90800.51		2.94	36.22	39.15	24590	Valve	3427.47	Valve	10697.58	36	0.312	52	0.15	0.05	1.14	0.43	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28099	CLUSTER	YES	90808.5		10.93	28.23	39.15	24590	Valve	3435.46	Valve	10689.59	36	0.312	52	0.17	0.05	4.88	1.89	5:45	335	1016	731	649	0.46	1.14							1250	Unknown		
28104	CLUSTER	YES	90811.14		13.57	25.58	39.15	24590	Valve	3438.1	Valve	10686.95	36	0.312	52	0.16	0.05	4.38	0.91	6:16	335	1026	739	649	0.45	1.15							1250	Unknown		
28108	CLUSTER	YES	90823.45		25.88	13.27	39.15	24590	Valve	3450.41	Valve	10674.64	36	0.312	52	0.15	0.05	8.16	1.16	0.260417	335	997	718	649	0.47	1.11							1250	Unknown		
28112	MELO-CORR	YES	90826.63		29.06	10.1	39.15	24590	Valve	3453.59	Valve	10671.46	36	0.312	52	0.16	0.05	1.50	0.35	0.261111	335	1065	767	649	0.44	1.18							1598	Metal Loss		
28114	CLUSTER	YES	90826.85		29.28	9.88	39.15	24590	Valve	3453.81	Valve	10671.24	36	0.312	52	0.17	0.05	7.94	1.45	0.261806	335	987	711	649	0.47	1.11							1250	Unknown		
28118	GirthWeld		90836.73		39.16	39.73	39.73	24600	Valve	3463.69	Valve	10661.36	36	0.312	52					1:06	335			649									1250	Unknown		
28119	MELO-CORR	YES	90852.98		16.25	23.47	39.73	24600	Valve	3479.94	Valve	10645.11	36	0.312	52	0.15	0.05	1.14	0.16	6:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28120	GirthWeld		90876.46		39.73	29.77	29.77	24610	Valve	3503.42	Valve	10621.63	36	0.312	52					0.1	335			649									1250	Unknown		
28121	GirthWeld		90906.23		29.77	9.94	9.94	24620	Valve	3533.19	Valve	10591.86	36	0.312	52					0.50625	335			649									1250	Unknown		
28122	GirthWeld		90916.17		9.94	39.9	39.9	24630	Valve	3543.13	Valve	10581.92	36	0.312	52					0.070833	335			649									1250	Unknown		
28123	GirthWeld		90956.07		39.9	18.57	18.57	24640	Valve	3583.03	Valve	10542.02	36	0.312	52					3:16	335			649									1250	Unknown		
28124	GirthWeld		90974.63		18.56	21.48	21.48	24650	Valve	3601.59	Valve	10523.46	36	0.312	52					2:40	335			649									1250	Unknown		
28125	GirthWeld		90996.11		21.48	39.87	39.87	24660	Valve	3623.07	Valve	10501.98	36	0.312	52					0.333333	335			649									1250	Unknown		
28126	GirthWeld		91035.98		39.87	39.75	39.75	24670	Valve	3662.94	Valve	10462.11	36	0.312	52					0.4125	335			649									1250	Unknown		
28127	GirthWeld		91075.73		39.75	39.97	39.98	24680	Valve	3702.69	Valve	10422.36	36	0.312	52					0.06875	335			649									1250	Unknown		
28128	MELO-CORR	YES	91075.94		0.21	39.76	39.98	24680	Valve	3702.9	Valve	10422.15	36	0.312	52	0.15	0.05	1.18	0.51	6:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28130	CLUSTER	YES	91076.31		0.58	39.4	39.98	24680	Valve	3703.27	Valve	10421.78	36	0.312	52	0.18	0.06	2.93	0.72	6:20	335	1042	750	649	0.45	1.16							1250	Unknown		
28133	CLUSTER	YES	91077.81		2.08	37.9	39.98	24680	Valve	3704.77	Valve	10420.28	36	0.312	52	0.16	0.05	7.26	1.07	0.238889	335	998	718	649	0.47	1.11							1250	Unknown		
28140	CLUSTER	YES	91079.4		3.67	36.31	39.98	24680	Valve	3706.36	Valve	10418.69	36	0.312	52	0.15	0.05	2.27	0.57	0.265278	335	1056	760	649	0.44	1.17							1250	Unknown		
28143	CLUSTER	YES	91088.94		13.21	26.77	39.98	24680	Valve	3715.9	Valve	10409.15	36	0.312	52	0.16	0.05	4.79	0.28	0.264583	335	1021	735	649	0.46	1.14							1250	Unknown		
28146	CLUSTER	YES	91089.4		13.67	26.31	39.98	24680	Valve	3716.36	Valve	10408.69	36	0.312	52	0.22	0.07	4.74	1.57	5:42	335	999	719	649	0.47	1.13							1250	Unknown		
28150	MELO-CORR	YES	91091.04		15.32	24.66	39.98	24680	Valve	3718.01	Valve	10407.04	36	0.312	52	0.18	0.06	1.14	0.20	5:41	335	1068	769	649	0.44	1.19							1598	Metal Loss		
28151	MELO-CORR	YES	91094.67		18.94	21.03	39.98	24680	Valve	3721.63	Valve	10403.42	36	0.312	52	0.16	0.05	1.10	0.16	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28152	MELO-CORR	YES	91095		19.27	20.7	39.98	24680	Valve	3721.96	Valve	10403.09	36	0.312	52	0.21	0.07	1.10	0.59	0.239583	335	1067	769	649	0.44	1.18							1598	Metal Loss		
28153	MELO-CORR	YES	91095.34		19.61	20.36	39.98	24680	Valve	3722.3	Valve	10402.75	36	0.312	52	0.15	0.05	1.14	0.20	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28154	MELO-CORR	YES	91095.5		19.77	20.21	39.98	24680	Valve	3722.46	Valve	10402.59	36	0.312	52	0.17	0.05	1.18	0.20	5:20	335	1068	769	649	0.44	1.19							1598	Metal Loss		
28156	CLUSTER	YES	91096.09		20.36	19.61	39.98	24680	Valve	3723.05	Valve	10402	36	0.312	52	0.16	0.05	5.26	0.97	5:38	335	1015	731	649	0.46	1.14							1250	Unknown		
28160	CLUSTER	YES	91096.63		20.9	19.07	39.98	24680	Valve	3723.59	Valve	10401.46	36	0.312	52	0.22	0.07	3.36	0.79	0.265278	335	1024	737	649	0.45	1.15							1250	Unknown		
28163	CLUSTER	YES	91097.63		21.9	18.07	39.98	24680	Valve	3724.6	Valve	10400.46	36	0.312	52	0.17	0.05	9.54	2.58	0.190972	335	978	704	649	0.48	1.11							1250	Unknown		
28170	MELO-CORR	YES	91098.56		22.83	17.15	39.98	24680	Valve	3725.52	Valve	10399.53	36	0.312	52	0.2	0.06	1.18	0.47	0.1875	335	1067	768	649	0.44	1.18							1598	Metal Loss		
28172	CLUSTER	YES	91099.9		24.17	15.8	39.98	24680	Valve	3726.86	Valve	10398.19	36	0.312	52	0.16	0.05	16.73	2.99	5:31	335	963	693	649	0.48	1.09							1250	Unknown		
28175	CLUSTER	YES	91100.01		24.28	15.69	39.98	24680	Valve	3726.97	Valve	10398.08	36	0.312	52	0.17	0.05	3.80	1.35	6:26	335	1030	742	649	0.45	1.15							1250	Unknown		
28182	CLUSTER	YES	91100.36		24.63	15.35	39.98	24680	Valve	3727.32	Valve	10397.73	36	0.312	52	0.19	0.06	4.56	0.82	0.2875	335	1013	729	649	0.46	1.14							1250	Unknown		
28192	CLUSTER	YES	91100.95		25.22	14.75	39.98	24680	Valve	3727.91	Valve	10397.14	36	0.312	52	0.16	0.05	27.08	4.90	0.268056	335	953	686	649	0.49	1.07							1250	Unknown		
28205	CLUSTER	YES	91101.67		25.94	14.03	39.98	24680	Valve	3728.63	Valve	10396.42	36	0.312	52	0.25	0.08	13.96	2.55	0.217361	335	905	651	649	0.51	1.09							1250	Unknown		
28209	MELO-CORR	YES	91101.75		26.02	13.96	39.98	24680	Valve	3728.71	Valve	10396.34	36	0.312	52	0.15	0.05	1.22	0.35	5:42	335	1069	769	649	0.44	1.19							1598	Metal Loss		
28211	MELO-CORR	YES	91101.9		26.17	13.8	39.98	24680	Valve	3728.86	Valve	10396.19	36	0.312	52	0.15	0.05	1.22	0.20	4:24	335	1069	769	649	0.44	1.19							1598	Metal Loss		
28219	MELO-CORR	YES	91102.36		26.63	13.34	39.98	24680	Valve	3729.32	Valve	10395.73	36	0.312	52	0.15	0.05	1.22	0.20	0.194444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
28232	CLUSTER	YES	91102.93		27.2	12.77	39.98	24680	Valve	3729.89	Valve	10395.16	36	0.312	52	0.15	0.05	1.96	0.44	0.219444	335	1060	763	649	0.44	1.18							1250	Unknown		
28239	CLUSTER	YES	91103.75		28.02	11.96	39.98	24680	Valve	3730.71	Valve	10394.34	36	0.312	52	0.16	0.05	4.37	1.86	0.279861	335	1026	739	649	0.45	1.15							1250	Unknown		
28243	CLUSTER	YES	91104.21		28.48	11.5	39.98	24680	Valve	3731.17	Valve	10393.88	36	0.312	52	0.17	0.05	26.74	3.71	5:45	335	945	680	649	0.49	1.08							1250	Unknown		
28259	MELO-CORR	YES	91105.95		30.22	9.76	39.98	24680	Valve	3732.91	Valve	10392.14	36	0.312	52	0.16	0.05	1.10	0.20	6:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28264	CLUSTER	YES	91106.75		31.02	8.95	39.98	24680	Valve	3733.71	Valve	10391.34	36	0.312	52	0.24	0.08	75.97	6.94	0.234722	335	864	622	649	0.54	1.04							1250	Unknown		
28274	MELO-CORR	YES	91107.61		31.88	8.09	39.98	24680	Valve	3734.57	Valve	10390.48	36	0.312	52	0.17	0.05	1.10	0.35	0.192361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28336	MELO-CORR	YES	91114.28		38.55	1.42	39.98	24680	Valve	3741.24	Valve	10383.81	36	0.312	52	0.15	0.05	1.14	0.16	0.268056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28338	CLUSTER	YES	91114.78		39.05	0.93	39.98	24680	Valve	3741.74	Valve	10383.31	36	0.312	52	0.16	0.05	5.78	1.42	6:11	335	1010	727	649	0.46	1.13							1250	Unknown		
28342	GirthWeld		91115.7		39.97	18.16	18.16	24690	Valve	3742.66	Valve	10382.39	36	0.312	52					2:54	335			649									1250	Unknown		
28344	CLUSTER	YES	91117.41		1.71	16.45	18.16	24690	Valve	3744.37	Valve	10380.68	36	0.312	52	0.21	0.07	33.68	8.89	0.233333	335	908	654	649	0.51	1.06							1250	Unknown		
28377	MELO-CORR	YES	91120.17		4.47	13.69	18.16	24690	Valve	3747.13	Valve	10377.92	36	0.312	52	0.18	0.06	1.10	0.20	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
28378	MELO-CORR	YES	91120.64		4.94	13.22	18.16	24690	Valve	3747.6	Valve	10377.45	36	0.312	52	0.3	0.09	1.22	0.28	0.242361	335	1061	764	649	0.44	1.18							1598	Metal Loss		
28380	CLUSTER	YES	91122.75		7.05	11.11	18.16	24690	Valve	3749.71	Valve	10375.34	36	0.312	52	0.19	0.06	21.30	6.19	5:40	335	934	673	649	0.50	1.08							1250	Unknown		
28407	CLUSTER	YES	91127.83		12.13	6.03	18.16	24690	Valve	3754.79	Valve	10370.26	36	0.312	52	0.24	0.08	35.81	8.67	5:30	335	881	635	649	0.53	1.06							1250	Unknown		
28412	MELO-CORR	YES	91128.17		12.47	5.69	18.16	24690	Valve	3755.13	Valve	10369.92	36	0.312	52	0.15	0.05	1.18	0.16	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28461	CLUSTER	YES	91131.02		15.32	2.84	18.16	24690	Valve	3757.98	Valve	10367.07	36	0.312	52	0.18	0.06	17.39	5.06	0.247222	335	947	682	649	0.49	1.08							1250	Unknown		
28472	CLUSTER	YES	91132.06		16.36	1.81	18.16	24690	Valve	3759.02	Valve	10366.03	36	0.312	52	0.15	0.05	21.20	3.58	0.234028	335	965	695	649	0.48	1.08							1250	Unknown		
28483	CLUSTER	YES	91132.58		16.88	1.28	18.16	24690	Valve	3759.54	Valve	10365.51	36	0.312	52	0.16	0.05	8.41	1.51	6:24	335	990	713	649	0.47	1.11							1250	Unknown		
28495	GirthWeld		91133.86		18.16	21.26	21.26	24700	Valve	3760.82	Valve	10364.23	36	0.312	52					1:57	335			649									1250	Unknown		
28497	CLUSTER	YES	91135.44		1.58	19.68	21.26	24700	Valve	3762.4	Valve	10362.65	36	0.312	52	0.23	0.07	49.76	10.65	0.228472	335	881	634	649	0.53	1.06							1250	Unknown		
28553	CLUSTER	YES	91139.71		5.85	15.41	21.26	24700	Valve	3766.67	Valve	10358.38	36	0.312	52	0.15	0.05	4.69	2.45	0.240972	335	1026	738	649	0.45	1.14							1250	Unknown		
28558	CLUSTER	YES	91140.86		7	14.26	21.26	24700	Valve	3767.82	Valve	10357.23	36	0.312	52	0.16	0.05	28.01	11.97	0.235417	335	952	685	649	0.49	1.08							1250	Unknown		
28592	MELO-CORR	YES	91147.9		14.04	7.22	21.26	24700	Valve	3774.86	Valve	10350.19	36	0.312	52	0.16	0.05	1.14	0.20	6:28	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28593	MELO-CORR	YES	91152.67		18.81	2.45	21.26	24700	Valve	3779.63	Valve	10345.42	36	0.312	52	0.17	0.05	0.91	0.24	6:46	335	1071	771	649	0.43	1.19							1598	Metal Loss		
28595	CLUSTER	YES	91153.81		19.95	1.31	21.26	24700	Valve	3780.77	Valve	10344.28	36	0.312	52	0.16	0.05	3.74	1.76	0.261111	335	1034	745	649	0.45	1.15							1250	Unknown		
28599	GirthWeld		91155.12		21.26	39.89	39.89	24710	Valve	3782.08	Valve	10342.97	36	0.312	52					0.431944	335			649									1250	Unknown		
28601	CLUSTER	YES	91155.95		0.83	39.06	39.89	24710	Valve	3782.91	Valve	10342.14	36	0.312	52	0.15	0.05	26.47	5.31	0.260417	335	961	692	649	0.48	1.08							1250	Unknown		
28622	CLUSTER	YES	91164.76		9.65	30.24	39.89	24710	Valve	3791.73	Valve	10333.32	36	0.312	52	0.15	0.05	12.22	2.26	5:37	335	980	706	649	0.47	1.10							1250	Unknown		
28629	CLUSTER	YES	91166.16		11.04	28.84	39.89	24710	Valve	3793.12	Valve	10331.93	36	0.312	52	0.17	0.05	6.86	0.69	5:47	335	996	717	649	0.47	1.12							1250	Unknown		
28632	MELO-

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)		(psi)					(feet)					
28690	Tap		91340.12		26.69	4.66	31.35	24750	Valve	3967.08	Valve	10157.97	36	0.312	52					12:00	335			649									1790	Tap		
28691	GirthWeld		91344.78		31.35	16.19	16.19	24760	Valve	3971.74	Valve	10153.31	36	0.312	52					2:42	335			649									1250	Unknown		
28692	GirthWeld		91360.97		16.19	40.14	40.15	24770	Valve	3987.93	Valve	10137.12	36	0.312	52					0.527778	335			649									1250	Unknown		
28693	GirthWeld		91401.11		40.14	37.07	37.07	24780	Valve	4028.07	Valve	10096.98	36	0.312	52					0.465278	335			649									1250	Unknown		
28694	GirthWeld		91438.18		37.07	33.91	33.91	24790	Valve	4065.14	Valve	10059.91	36	0.312	52					0.536111	335			649									1250	Unknown		
28696	CLUSTER	YES	91443.62		5.44	28.47	33.91	24790	Valve	4070.58	Valve	10054.47	36	0.312	52	0.23	0.07	15.23	4.24	5:49	335	915	659	649	0.51	1.09							1250	Unknown		
28706	Tap		91448.39		10.21	23.7	33.91	24790	Valve	4075.35	Valve	10049.7	36	0.312	52					12:00	335			649									1790	Tap		
28708	CLUSTER	YES	91449.03		10.85	23.06	33.91	24790	Valve	4075.99	Valve	10049.06	36	0.312	52	0.18	0.06	13.76	3.05	0.23125	335	955	688	649	0.49	1.09							1250	Unknown		
28717	CLUSTER	YES	91456.77		18.6	15.31	33.91	24790	Valve	4083.74	Valve	10041.32	36	0.312	52	0.19	0.06	10.46	3.33	0.245139	335	961	692	649	0.48	1.10							1250	Unknown		
28725	CLUSTER	YES	91457.86		19.68	14.23	33.91	24790	Valve	4084.82	Valve	10040.23	36	0.312	52	0.15	0.05	6.35	1.13	0.240972	335	1010	727	649	0.46	1.13							1250	Unknown		
28729	CLUSTER	YES	91458.69		20.51	13.4	33.91	24790	Valve	4085.65	Valve	10039.4	36	0.312	52	0.17	0.05	26.95	3.68	5:46	335	945	680	649	0.49	1.08							1250	Unknown		
28745	MELO-CORR	YES	91470.29		32.11	1.79	33.91	24790	Valve	4097.25	Valve	10027.8	36	0.312	52	0.15	0.05	1.22	0.20	5:55	335	1069	769	649	0.44	1.19							1598	Metal Loss		
28746	GirthWeld		91472.09		33.91	39.67	39.67	24800	Valve	4099.05	Valve	10026	36	0.312	52					0.443056	335			649									1250	Unknown		
28748	CLUSTER	YES	91475.23		3.14	36.53	39.67	24800	Valve	4102.19	Valve	10022.86	36	0.312	52	0.17	0.05	2.33	0.85	0.245833	335	1053	758	649	0.44	1.17							1250	Unknown		
28750	GirthWeld		91511.76		39.67	39.17	39.17	24810	Valve	4138.72	Valve	9986.33	36	0.312	52					0.470833	335			649									1250	Unknown		
28751	GirthWeld		91550.93		39.17	39.19	39.19	24820	Valve	4177.89	Valve	9947.16	36	0.312	52					1:48	335			649									1250	Unknown		
28752	GirthWeld		91590.12		39.19	39.83	39.83	24830	Valve	4217.08	Valve	9907.97	36	0.312	52					12:42	335			649									1250	Unknown		
28753	GirthWeld		91629.95		39.83	39.26	39.26	24840	Valve	4256.91	Valve	9868.14	36	0.312	52					0.39375	335			649									1250	Unknown		
28754	GirthWeld		91669.21		39.26	36.05	36.06	24850	Valve	4296.17	Valve	9828.88	36	0.312	52					0.476389	335			649									1250	Unknown		
28755	GirthWeld		91705.26		36.05	39.85	39.85	24860	Valve	4332.22	Valve	9792.83	36	0.312	52					0.519444	335			649									1250	Unknown		
28756	GirthWeld		91745.11		39.85	39.81	39.81	24870	Valve	4372.07	Valve	9752.98	36	0.312	52					1:42	335			649									1250	Unknown		
28757	GirthWeld		91784.92		39.81	39.84	39.84	24880	Valve	4411.88	Valve	9713.17	36	0.312	52					10:28	335			649									1250	Unknown		
28758	GirthWeld		91824.76		39.84	39.24	39.24	24890	Valve	4451.72	Valve	9673.33	36	0.312	52					0.391667	335			649									1250	Unknown		
28759	GirthWeld		91864		39.24	39.86	39.86	24900	Valve	4490.96	Valve	9634.09	36	0.312	52					0.097222	335			649									1250	Unknown		
28761	CLUSTER	YES	91875.7		11.7	28.16	39.86	24900	Valve	4502.66	Valve	9622.39	36	0.312	52	0.16	0.05	3.23	1.95	0.245833	335	1041	750	649	0.45	1.16							1250	Unknown		
28764	GirthWeld		91903.86		39.86	38.77	38.78	24910	Valve	4530.82	Valve	9594.23	36	0.312	52					12:18	335			649									1250	Unknown		
28765	GirthWeld		91942.63		38.77	32.6	32.6	24920	Valve	4569.59	Valve	9555.46	36	0.312	52					9:44	335			649									1250	Unknown		
28766	MIFE	n/a	91953.02		10.39	22.21	32.6	24920	Valve	4579.98	Valve	9545.07	36	0.312	52					0.139583	335			649									2167	Mill Anomaly		
28767	GirthWeld		91975.23		32.6	39.86	39.86	24930	Valve	4602.19	Valve	9522.86	36	0.312	52					0.472222	335			649									1250	Unknown		
28768	GirthWeld		92015.09		39.86	28.76	28.76	24940	Valve	4642.05	Valve	9483	36	0.312	52					0.515278	335			649									1250	Unknown		
28769	GirthWeld		92043.85		28.76	38.64	38.64	24950	Valve	4670.81	Valve	9454.24	36	0.312	52					1:58	335			649									1250	Unknown		
28770	GirthWeld		92082.49		38.64	39.71	39.71	24960	Valve	4709.45	Valve	9415.6	36	0.312	52					11:16	335			649									1250	Unknown		
28771	GirthWeld		92122.2		39.71	39.88	39.88	24970	Valve	4749.16	Valve	9375.89	36	0.312	52					0.440278	335			649									1250	Unknown		
28773	CLUSTER	YES	92152.57		30.37	9.52	39.88	24970	Valve	4779.53	Valve	9345.52	36	0.312	52	0.28	0.09	17.52	5.12	0.241667	335	871	627	649	0.53	1.02							1250	Unknown		
28791	MELO-CORR	YES	92154.49		32.29	7.59	39.88	24970	Valve	4781.46	Valve	9343.6	36	0.312	52	0.15	0.05	1.18	0.16	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
28793	CLUSTER	YES	92159.52		37.32	2.57	39.88	24970	Valve	4786.48	Valve	9338.57	36	0.312	52	0.24	0.08	4.42	0.50	6:09	335	997	718	649	0.47	1.12							1250	Unknown		
28796	MELO-CORR	YES	92161.1		38.9	0.99	39.88	24970	Valve	4788.06	Valve	9336.99	36	0.312	52	0.15	0.05	1.10	0.20	5:41	335	1070	770	649	0.43	1.19							1598	Metal Loss		
28798	CLUSTER	YES	92161.49		39.29	0.59	39.88	24970	Valve	4788.46	Valve	9336.6	36	0.312	52	0.15	0.05	3.01	0.57	0.236111	335	1046	753	649	0.44	1.16							1250	Unknown		
28800	GirthWeld		92162.08		39.88	33.24	33.24	24980	Valve	4789.04	Valve	9336.01	36	0.312	52					0.073611	335			649									1250	Unknown		
28802	CLUSTER	YES	92162.68		0.6	32.63	33.24	24980	Valve	4789.64	Valve	9335.41	36	0.312	52	0.2	0.06	19.86	4.93	0.234722	335	928	668	649	0.50	1.07							1250	Unknown		
28810	CLUSTER	YES	92163.13		1.05	32.18	33.24	24980	Valve	4790.09	Valve	9334.96	36	0.312	52	0.15	0.05	13.00	3.21	6:12	335	978	704	649	0.48	1.09							1250	Unknown		
28825	CLUSTER	YES	92174.05		11.97	21.26	33.24	24980	Valve	4801.01	Valve	9324.04	36	0.312	52	0.22	0.07	16.78	5.47	5:58	335	919	661	649	0.51	1.07							1250	Unknown		
28843	CLUSTER	YES	92175.59		13.51	19.73	33.24	24980	Valve	4802.55	Valve	9322.5	36	0.312	52	0.18	0.06	1.60	2.42	0.225	335	1062	765	649	0.44	1.18							1250	Unknown		
28846	CLUSTER	YES	92176.85		14.77	18.47	33.24	24980	Valve	4803.81	Valve	9321.24	36	0.312	52	0.19	0.06	4.36	1.45	0.261111	335	1015	731	649	0.46	1.14							1250	Unknown		
28850	CLUSTER	YES	92178.85		16.77	16.46	33.24	24980	Valve	4805.82	Valve	9319.24	36	0.312	52	0.22	0.07	7.31	4.12	0.240278	335	965	695	649	0.48	1.11							1250	Unknown		
28864	CLUSTER	YES	92181.7		19.62	13.61	33.24	24980	Valve	4808.66	Valve	9316.39	36	0.312	52	0.21	0.07	5.57	1.92	5:59	335	991	713	649	0.47	1.13							1250	Unknown		
28870	CLUSTER	YES	92183		20.92	12.31	33.24	24980	Valve	4809.96	Valve	9315.09	36	0.312	52	0.31	0.10	5.41	1.64	5:59	335	946	681	649	0.49	1.11							1250	Unknown		
28875	CLUSTER	YES	92184.43		22.35	10.89	33.24	24980	Valve	4811.39	Valve	9313.66	36	0.312	52	0.3	0.09	15.29	2.42	0.25	335	863	621	649	0.54	1.03							1250	Unknown		
28892	CLUSTER	YES	92185.83		23.75	9.49	33.24	24980	Valve	4812.79	Valve	9312.26	36	0.312	52	0.21	0.07	4.49	0.82	0.2375	335	1006	725	649	0.46	1.14							1250	Unknown		
28894	MELO-CORR	YES	92187.4		25.32	7.92	33.24	24980	Valve	4814.36	Valve	9310.69	36	0.312	52	0.15	0.05	2.09	0.32	0.253472	335	1059	762	649	0.44	1.17							1598	Metal Loss		
28896	CLUSTER	YES	92190.11		28.03	5.21	33.24	24980	Valve	4817.07	Valve	9307.98	36	0.312	52	0.17	0.05	8.47	3.74	5:51	335	984	708	649	0.47	1.11							1250	Unknown		
28907	MELO-CORR	YES	92191.82		29.74	3.5	33.24	24980	Valve	4818.78	Valve	9306.27	36	0.312	52	0.17	0.05	0.98	0.32	5:41	335	1070	770	649	0.43	1.19							1598	Metal Loss		
28909	CLUSTER	YES	92192.51		30.43	2.8	33.24	24980	Valve	4819.48	Valve	9305.57	36	0.312	52	0.27	0.08	19.27	5.31	0.240972	335	875	630	649	0.53	1.08							1250	Unknown		
28928	GirthWeld		92195.32		33.24	39.04	39.04	24990	Valve	4822.28	Valve	9302.77	36	0.312	52					0.515278	335			649									1250	Unknown		
28930	CLUSTER	YES	92195.79		0.47	38.57	39.04	24990	Valve	4822.75	Valve	9302.3	36	0.312	52	0.15	0.05	12.49	4.71	0.218056	335	979	705	649	0.48	1.10							1250	Unknown		
28938	CLUSTER	YES	92196.44		1.12	37.92	39.04	24990	Valve	4823.4	Valve	9301.65	36	0.312	52	0.16	0.05	11.48	1.64	6:18	335	976	703	649	0.48	1.09							1250	Unknown		
28946	CLUSTER	YES	92198.47		3.15	35.89	39.04	24990	Valve	4825.43	Valve	9299.62	36	0.312	52	0.15	0.05	3.86	0.54	6:10	335	1035	745	649	0.45	1.15							1250	Unknown		
28949	CLUSTER	YES	92199.23		3.91	35.13	39.04	24990	Valve	4826.19	Valve	9298.86	36	0.312	52	0.21	0.07	12.35	4.53	0.264583	335	939	676	649	0.50	1.09							1250	Unknown		
28954	CLUSTER	YES	92199.39		4.07	34.97	39.04	24990	Valve	4826.35	Valve	9298.7	36	0.312	52	0.16	0.05	2.70	0.66	0.229167	335	1049	755	649	0.44	1.17							1250	Unknown		
28964	MELO-CORR	YES	92200.55		5.23	33.81	39.04	24990	Valve	4827.51	Valve	9297.54	36	0.312	52	0.2	0.06	1.22	0.59	0.269444	335	1066	768	649	0.44	1.18							1598	Metal Loss		
28966	CLUSTER	YES	92201.24		5.92	33.12	39.04	24990	Valve	4828.2	Valve	9296.85	36	0.312	52	0.28	0.09	2.12	1.13	6:31	335	1040	749	649	0.45	1.16							1250	Unknown		
28970	CLUSTER	YES	92201.76		6.44	32.6	39.04	24990	Valve	4828.72	Valve	9296.33	36	0.312	52	0.17	0.05	4.52	1.35	5:27	335	1020	735	649	0.46	1.14							1250	Unknown		
28974	MELO-CORR	YES	92202.42		7.1	31.94	39.04	24990	Valve	4829.38	Valve	9295.67	36	0.312	52	0.16	0.05	1.22	0.47	0.250694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
28976	CLUSTER	YES	92203.82		8.49	30.55	39.04	24990	Valve	4830.78	Valve	9294.27	36	0.312	52	0.16	0.05	1.44	1.89	0.264583	335	1066	767	649	0.44	1.18							1250	Unknown		
28979	CLUSTER	YES	92204.38		9.06	29.98	39.04	24990	Valve	4831.34	Valve	9293.71	36	0.312	52	0.15	0.05	3.43	0.91	0.2625	335	1041	749	649	0.45	1.16							1250	Unknown		
28982	MELO-CORR	YES	92205.13		9.81	29.23	39.04	24990	Valve	4832.09	Valve	9292.96	36	0.312	52	0.15	0.05	0.98	0.28	6:20	335	1071	771	649	0.43	1.19							1598	Metal Loss		
28984	CLUSTER	YES	92205.34		10.02	29.02	39.04	24990	Valve	4832.3	Valve	9292.75	36	0.312	52	0.18	0.06	2.28	1.07	5:19	335	1052	757	649	0.44	1.17							1250	Unknown		
28987	CLUSTER	YES	92206.24		10.92	28.13	39.04	24990	Valve	4833.2	Valve	9291.85	36	0.312	52	0.25	0.08	3.66	1.07	0.236111	335	1009	726	649	0.46	1.14							1250	Unknown		
28991	CLUSTER	YES	92206.54		11.22	27.82	39.04	24990	Valve	4833.5	Valve	9291.55	36	0.312	52	0.43	0.13	18.04	5.88	0.25	335	750	540	649	0.62	1.01							1250	Unknown		
28997	CLUSTER	YES	92207.25		11.93	27.11	39.04	24990	Valve	4834.21	Valve	9290.84	36	0.312	52	0.17	0.05	9.38	0.79	0.236806	335	979	705	649	0.48	1.10							1250	Unknown		
29014	CLUSTER	YES	92209.6		14.28	24.76	39.04	24990	Valve	4836.56	Valve	9288.49	36	0.312	52	0.18	0.06	2.83	0.88	5:15	335	1043	751	649	0.45	1.16							1250	Unknown		
29017	CLUSTER	YES	92211.73		16.41	22.63	39.04	24990	Valve	4838.69	Valve	9286.36	36	0.312	52	0.16	0.05	4.55	1.26	6:15	335	1023	737	649	0.45	1.14							1250	Unknown		
29021	MELO-CORR	YES	92213.93		18.61	20.43	39.04	24990	Valve	4840.89	Valve	9284.16	36	0.312	52	0.18	0.06	1.22	0.16	0.270139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
29023	CLUSTER	YES	92215.65		20.33	18.71	39.04	24990	Valve	4842.61	Valve	9282.44	36	0.312	52	0.18	0.06	7.13	4.34	0.236806	335	988	711	649	0.47	1.11							1250	Unknown		
29030	MELO-CORR	YES	92216.3		20.98	18.06	39.04	24990	Valve	4843.26	Valve	9281.79	36	0.312	52	0.18	0.06	1.89	0.51	0.270139	335	1058	762	649	0.44	1.17							1598	Metal Loss		
29032	CLUSTER	YES	92216.82		21.5	17.54	39.04	24990	Valve	4843.78	Valve	9281.27	36	0.312	52	0.24	0.08	21.24	3.02	6:21	335	896	645	649	0.52	1.06							1250	Unknown		
29034	MELO-CORR	YES	92217.15		21.83	17.21	39.04	24990	Valve	4844.11	Valve	9280.94	36	0.312	52	0.25	0.08	1.10	0.47	6:01	335	1065	767	649	0.44	1.18							1598	Metal Loss		
29035	MELO-CORR	YES	92217.21		21.89	17.15	39.04	24990	Valve	4844.17	Valve	9280.88	36	0.312	52	0.15	0.05	1.10	0.20	0.238889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
29046	CLUSTER	YES	92217.96		22.64	16.4	39.04	24990	Valve	4844.92	Valve	9280.13	36	0.312	52	0.21	0.07	4.72	1.23	0.234722	335	1003	722	649	0.46	1.13							1250	Unknown		
29054	CLUSTER	YES	92219.25		23.93	15.11	39.04	24990	Valve	4846.21	Valve	9278.84	36	0.312	52	0.16	0.05	7.98	0.88	0.222917	335	992	715	649	0.47	1.12							1250	Unknown		
29060	CLUSTER	YES	92219.58		24.26	14.78	39.04	24990	Valve	4846.54	Valve	9278.51	36	0.312	52	0.23	0.07	12.25	3.17	6:18	335	926	667	649	0.50	1.09							1250	Unknown		
29066	CLUSTER	YES	92220.6		25.28	13.76	39.04	24990	Valve	4847.56	Valve	9277.49	36	0.312	52	0.21	0.07	11.56	4.87	6:08	335	942	678	649	0.49	1.10							1250	Unknown		
29074	CLUSTER	YES	92223.73		28.41	10.63	39.04	24990	Valve	4850.69	Valve	9274.36	36	0.312	52	0.19	0.06	10.98	4.15	0.256944	335	958	690	649	0.49	1.08							1250	Unknown		
29083	CLUSTER	YES	92224.43		29.1	9.94	39.04	24990	Valve	4851.39	Valve	9273.66	36	0.312	52	0.15	0.05	6.19	1.07	0.238194	335	1011	728	649	0.46	1.13							1250	Unknown		
29087	CLUSTER	YES	92225.94		30.62	8.42	39.04	24990	Valve	4852.9	Valve	9272.15	36	0.312	52	0.2	0.06	7.78	2.20	0.257639	335	972	700	649	0.48	1.09							1250	Unknown		
29093	CLUSTER	YES	92226.61		31.29	7.76	39.04	24990	Valve	4853.57	Valve	9271.48	36	0.312	52	0.28	0.09	17.04	7.23	5:40	335	873	628	649	0.53	1.05							1250	Unknown		
29112	CLUSTER	YES	92227.8		32.48	6.56	39.04	24990	Valve	4854.76	Valve	9270.29	36	0.312	52	0.21	0.07	4.50	1.86	5:39	335	1006	725	649	0.46	1.13							1250	Unknown		
29118	CLUSTER	YES	92228.49		33.17	5.87	39.04	24990	Valve	4855.45	Valve	9269.6	36	0.312	52	0.2	0.06	4.04	1.51	0.261111	335	1017	732	649	0.46	1.14							1250	Unknown		
29122	CLUSTER	YES	92228.71		33.39	5.65	39.04	24990	Valve	4855.67	Valve	9269.38	36	0.312	52	0.15	0.05	2.15	1.76	0.240278	335	1058	762	649	0.44	1.17							1250	Unknown		
29127	CLUSTER	YES	92229.53		34.21	4.83	39.04	24990	Valve	4856.49	Valve	9268.56	36	0.312	52	0.19	0.06	14.00	3.11	0.236806	335	947	682	649	0.49	1.09							1250	Unknown		
29129	CLUSTER	YES	92229.54		34.22	4.82	39.04	24990	Valve	4856.5	Valve	9268.55	36	0.312	52	0.16	0.05	16.82	3.17	6:15	335	963	693	649	0.48	1.09							1250	Unknown		
29151	CLUSTER	YES	92230.9		35.58	3.46	39.04	24990	Valve	4857.86	Valve	9267.19	36	0.312	52	0.15	0.05	4.62	2.96	5:28	335	1026	739	649	0.45	1.14							1250	Unknown		
29156	CLUSTER	YES	92231.46		36.14	2.9	39.04	24990	Valve	4858.42	Valve	9266.63	36	0.312	52	0.16	0.05	7.66	0.94	0.238194	335	995	716	649	0.47	1.12							1250	Unknown		
29158	CLUSTER	YES	92231.52		36.2	2.84	39.04	24990	Valve	4858.48	Valve	9266.57	36	0.312	52	0.2	0.06	11.51	3.74	0.254167	335	949	684	649	0.49	1.09							1250	Unknown		
29171	MELO-CORR	YES	92232.29		36.97	2.08	39.04	24990	Valve	4859.25	Valve	9265.8	36	0.312	52	0.15	0.05	1.10	0.51	0.236111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
29174	CLUSTER	YES	92232.53		37.21	1.83	39.04	24990	Valve	4859.49	Valve	9265.56	36	0.312	52	0.28	0.09	15.28	3.46	6:12	335	878	632	649	0.53	1.08							1250	Unknown		
29183	CLUSTER	YES	92232.9		37.57	1.47	39.04	24990	Valve	4859.86	Valve	9265.19	36	0.312	52	0.25	0.08	10.40	2.67	5:33	335	922	664	649	0.50	1.09							1250	Unknown		
29199	GirthWeld		92234.36		39.04	38.59	38.58	25000	Valve	4861.32	Valve	9263.73	36	0.312	52					0.411806	335			649									1250	Unknown		
29201	CLUSTER	YES	92234.6		0.24	38.35	38.58	25000	Valve	4861.56	Valve	9263.49	36	0.312	52	0.21	0.07	9.50	3.43	0.258333	335	953	687	649	0.49	1.10							1250	Unknown		
29211	CLUSTER	YES	92235.3		0.94	37.64	38.58	25000	Valve	4862.26	Valve	9262.79	36	0.312	52	0.18	0.06	7.01	1.95	0.233333	335	989	712	649	0.47	1.10							1250	Unknown		
29218	CLUSTER	YES	92236.96		2.6	35.98	38.58	25000	Valve	4863.92	Valve	9261.13	36	0.312	52	0.21	0.07	7.80	1.04	6:03	335	966	696	649	0.48	1.09							1250	Unknown		
29223	CLUSTER	YES	92237.46		3.1	35.48	38.58	25000	Valve	4864.42	Valve	9260.63	36	0.312	52	0.37	0.12	60.65	6.91	6:06	335	754	543	649	0.62

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
29601	CLUSTER	YES	92254.56		20.2	18.38	38.58	25000	Valve	4881.52	Valve	9243.53	36	0.312	52	0.2	0.06	21.96	13.42	5:23	335	926	667	649	0.50	1.07							1250	Unknown		
29610	MELO-CORR	YES	92254.9		20.54	18.05	38.58	25000	Valve	4881.86	Valve	9243.19	36	0.312	52	0.18	0.06	0.98	0.43	5:38	335	1070	770	649	0.43	1.19							1598	Metal Loss		
29629	CLUSTER	YES	92255.49		21.13	17.46	38.58	25000	Valve	4882.45	Valve	9242.6	36	0.312	52	0.22	0.07	38.68	12.88	0.229861	335	896	645	649	0.52	1.05							1250	Unknown		
29656	MELO-CORR	YES	92256.2		21.84	16.75	38.58	25000	Valve	4883.16	Valve	9241.89	36	0.312	52	0.15	0.05	1.10	0.24	0.251389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
29662	MELO-CORR	YES	92256.62		22.26	16.32	38.58	25000	Valve	4883.58	Valve	9241.47	36	0.312	52	0.15	0.05	1.22	0.35	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
29715	CLUSTER	YES	92258.42		24.06	14.53	38.58	25000	Valve	4885.38	Valve	9239.67	36	0.312	52	0.21	0.07	22.32	2.67	5:32	335	918	661	649	0.51	1.08							1250	Unknown		
29727	CLUSTER	YES	92258.86		24.5	14.08	38.58	25000	Valve	4885.82	Valve	9239.23	36	0.312	52	0.27	0.08	37.00	10.09	6:08	335	855	616	649	0.54	1.04							1250	Unknown		
29761	CLUSTER	YES	92260.54		26.18	12.4	38.58	25000	Valve	4887.51	Valve	9237.54	36	0.312	52	0.19	0.06	30.52	4.56	0.228472	335	926	667	649	0.50	1.06							1250	Unknown		
29808	CLUSTER	YES	92262.49		28.13	10.45	38.58	25000	Valve	4889.45	Valve	9235.6	36	0.312	52	0.19	0.06	25.39	6.19	0.254167	335	930	670	649	0.50	1.07							1250	Unknown		
29814	CLUSTER	YES	92263.18		28.82	9.77	38.58	25000	Valve	4890.14	Valve	9234.91	36	0.312	52	0.16	0.05	7.22	1.57	0.230556	335	998	719	649	0.47	1.12							1250	Unknown		
29829	CLUSTER	YES	92263.74		29.38	9.2	38.58	25000	Valve	4890.7	Valve	9234.35	36	0.312	52	0.24	0.08	30.96	12.22	5:38	335	885	638	649	0.53	1.07							1250	Unknown		
29866	CLUSTER	YES	92265.67		31.31	7.28	38.58	25000	Valve	4892.63	Valve	9232.42	36	0.312	52	0.16	0.05	12.85	5.75	5:29	335	971	699	649	0.48	1.09							1250	Unknown		
29884	MELO-CORR	YES	92266.62		32.26	6.33	38.58	25000	Valve	4893.58	Valve	9231.47	36	0.312	52	0.17	0.05	1.14	0.20	0.264583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
29886	CLUSTER	YES	92266.99		32.63	5.96	38.58	25000	Valve	4893.95	Valve	9231.1	36	0.312	52	0.15	0.05	8.47	3.30	0.25625	335	995	717	649	0.47	1.11							1250	Unknown		
29894	CLUSTER	YES	92267.88		33.52	5.06	38.58	25000	Valve	4894.84	Valve	9230.21	36	0.312	52	0.18	0.06	42.66	8.64	0.229861	335	927	667	649	0.50	1.06							1250	Unknown		
29954	GirthWeld		92272.95		38.59	39.44	39.44	25010	Valve	4899.91	Valve	9225.14	36	0.312	52					12:00	335			649									1250	Unknown		
29955	MELO-CORR	YES	92279.03		6.08	33.36	39.44	25010	Valve	4905.99	Valve	9219.06	36	0.312	52	0.16	0.05	1.14	0.51	6:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
29957	CLUSTER	YES	92280.08		7.13	32.31	39.44	25010	Valve	4907.04	Valve	9218.01	36	0.312	52	0.21	0.07	2.82	1.13	0.280556	335	1037	746	649	0.45	1.16							1250	Unknown		
29961	CLUSTER	YES	92280.41		7.46	31.98	39.44	25010	Valve	4907.37	Valve	9217.68	36	0.312	52	0.21	0.07	3.10	2.04	0.232639	335	1031	743	649	0.45	1.16							1250	Unknown		
29963	MELO-CORR	YES	92280.71		7.76	31.68	39.44	25010	Valve	4907.67	Valve	9217.38	36	0.312	52	0.23	0.07	1.34	0.20	0.208333	335	1063	765	649	0.44	1.18							1598	Metal Loss		
29965	CLUSTER	YES	92280.92		7.97	31.47	39.44	25010	Valve	4907.88	Valve	9217.17	36	0.312	52	0.15	0.05	13.97	3.11	5:19	335	975	702	649	0.48	1.09							1250	Unknown		
29974	CLUSTER	YES	92284.36		11.41	28.03	39.44	25010	Valve	4911.32	Valve	9213.73	36	0.312	52	0.18	0.06	20.89	4.05	5:19	335	942	678	649	0.49	1.08							1250	Unknown		
29975	MELO-CORR	YES	92284.44		11.49	27.95	39.44	25010	Valve	4911.4	Valve	9213.65	36	0.312	52	0.19	0.06	1.22	0.24	0.278472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
29990	CLUSTER	YES	92289.14		16.19	23.25	39.44	25010	Valve	4916.1	Valve	9208.95	36	0.312	52	0.25	0.08	11.48	3.05	0.219444	335	915	659	649	0.51	1.09							1250	Unknown		
30000	CLUSTER	YES	92290.25		17.3	22.14	39.44	25010	Valve	4917.21	Valve	9207.84	36	0.312	52	0.15	0.05	3.04	0.60	0.269444	335	1046	753	649	0.44	1.16							1250	Unknown		
30003	CLUSTER	YES	92294.9		21.95	17.49	39.44	25010	Valve	4921.86	Valve	9203.19	36	0.312	52	0.16	0.05	2.50	0.72	5:15	335	1052	757	649	0.44	1.17							1250	Unknown		
30006	CLUSTER	YES	92295.27		22.32	17.12	39.44	25010	Valve	4922.23	Valve	9202.82	36	0.312	52	0.19	0.06	3.11	1.64	6:22	335	1036	746	649	0.45	1.16							1250	Unknown		
30009	CLUSTER	YES	92295.4		22.45	16.99	39.44	25010	Valve	4922.36	Valve	9202.69	36	0.312	52	0.19	0.06	4.28	1.57	0.219444	335	1017	732	649	0.46	1.14							1250	Unknown		
30011	MELO-CORR	YES	92301.12		28.17	11.27	39.44	25010	Valve	4928.08	Valve	9196.97	36	0.312	52	0.17	0.05	1.10	0.16	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30013	CLUSTER	YES	92304.02		31.07	8.37	39.44	25010	Valve	4930.98	Valve	9194.07	36	0.312	52	0.2	0.06	12.38	2.45	0.267361	335	946	681	649	0.49	1.10							1250	Unknown		
30019	CLUSTER	YES	92305.75		32.8	6.64	39.44	25010	Valve	4932.71	Valve	9192.34	36	0.312	52	0.18	0.06	3.83	0.54	5:49	335	1027	740	649	0.45	1.14							1250	Unknown		
30023	CLUSTER	YES	92307.92		34.97	4.46	39.44	25010	Valve	4934.88	Valve	9190.17	36	0.312	52	0.15	0.05	4.93	0.28	6:21	335	1023	737	649	0.45	1.14							1250	Unknown		
30026	CLUSTER	YES	92309.84		36.89	2.55	39.44	25010	Valve	4936.8	Valve	9188.25	36	0.312	52	0.17	0.05	5.27	3.17	0.225694	335	1011	728	649	0.46	1.14							1250	Unknown		
30031	GirthWeld		92312.39		39.44	39.87	39.88	25020	Valve	4939.35	Valve	9185.7	36	0.312	52					0.526389	335			649									1250	Unknown		
30032	MELO-CORR	YES	92314.39		2	37.88	39.88	25020	Valve	4941.35	Valve	9183.7	36	0.312	52	0.16	0.05	1.18	0.20	0.279861	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30033	MELO-CORR	YES	92315.38		2.99	36.88	39.88	25020	Valve	4942.34	Valve	9182.71	36	0.312	52	0.17	0.05	1.22	0.20	6:28	335	1068	769	649	0.44	1.18							1598	Metal Loss		
30035	CLUSTER	YES	92319.59		7.2	32.68	39.88	25020	Valve	4946.55	Valve	9178.5	36	0.312	52	0.25	0.08	4.09	1.79	5:35	335	999	719	649	0.47	1.14							1250	Unknown		
30039	CLUSTER	YES	92320.27		7.88	32	39.88	25020	Valve	4947.23	Valve	9177.82	36	0.312	52	0.16	0.05	9.80	2.17	0.23125	335	983	707	649	0.47	1.10							1250	Unknown		
30046	CLUSTER	YES	92323.23		10.84	29.04	39.88	25020	Valve	4950.19	Valve	9174.86	36	0.312	52	0.15	0.05	6.16	2.42	0.233333	335	1011	728	649	0.46	1.13							1250	Unknown		
30050	CLUSTER	YES	92329.24		16.85	23.02	39.88	25020	Valve	4956.2	Valve	9168.85	36	0.312	52	0.15	0.05	7.91	0.57	0.231944	335	998	719	649	0.47	1.11							1250	Unknown		
30054	MELO-CORR	YES	92339.55		27.16	12.71	39.88	25020	Valve	4966.51	Valve	9158.54	36	0.312	52	0.15	0.05	1.18	0.16	6:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30056	CLUSTER	YES	92349.32		36.93	2.94	39.88	25020	Valve	4976.28	Valve	9148.77	36	0.312	52	0.18	0.06	2.52	0.35	6:48	335	1048	755	649	0.44	1.17							1250	Unknown		
30058	GirthWeld		92352.26		39.87	39.79	39.79	25030	Valve	4979.22	Valve	9145.83	36	0.312	52					0.059722	335			649									1250	Unknown		
30059	GirthWeld		92392.05		39.79	39.83	39.83	25040	Valve	5019.01	Valve	9106.04	36	0.312	52					0.45	335			649									1250	Unknown		
30060	GirthWeld		92431.88		39.83	39.81	39.8	25050	Valve	5058.85	Valve	9066.21	36	0.312	52					0.429167	335			649									1250	Unknown		
30061	GirthWeld		92471.69		39.81	39.79	39.79	25060	Valve	5098.65	Valve	9026.4	36	0.312	52					12:46	335			649									1250	Unknown		
30063	CLUSTER	YES	92484.11		12.42	27.37	39.79	25060	Valve	5111.07	Valve	9013.98	36	0.312	52	0.16	0.05	7.13	0.97	6:08	335	999	719	649	0.47	1.12							1250	Unknown		
30067	CLUSTER	YES	92484.92		13.23	26.56	39.79	25060	Valve	5111.88	Valve	9013.17	36	0.312	52	0.17	0.05	20.88	4.49	0.241667	335	950	684	649	0.49	1.07							1250	Unknown		
30078	GirthWeld		92511.48		39.79	39.78	39.78	25070	Valve	5138.44	Valve	8986.61	36	0.312	52					0.066667	335			649									1250	Unknown		
30079	GirthWeld		92551.26		39.78	36.5	36.5	25080	Valve	5178.22	Valve	8946.83	36	0.312	52					0.427778	335			649									1250	Unknown		
30080	GirthWeld		92587.76		36.5	39.77	39.77	25090	Valve	5214.72	Valve	8910.33	36	0.312	52					11:30	335			649									1250	Unknown		
30081	MELO-CORR	YES	92590.44		2.68	37.09	39.77	25090	Valve	5217.4	Valve	8907.65	36	0.312	52	0.2	0.06	1.30	0.55	6:04	335	1065	767	649	0.44	1.18							1598	Metal Loss		
30083	CLUSTER	YES	92608.18		20.42	19.35	39.77	25090	Valve	5235.14	Valve	8889.91	36	0.312	52	0.31	0.10	10.14	2.29	0.245833	335	883	636	649	0.53	1.00							1250	Unknown		
30095	CLUSTER	YES	92614		26.24	13.53	39.77	25090	Valve	5240.96	Valve	8884.09	36	0.312	52	0.32	0.10	3.70	1.29	0.225694	335	984	709	649	0.47	1.14							1250	Unknown		
30097	MELO-CORR	YES	92620.37		32.61	7.16	39.77	25090	Valve	5247.33	Valve	8877.72	36	0.312	52	0.21	0.07	1.34	0.55	0.229861	335	1064	766	649	0.44	1.18							1598	Metal Loss		
30099	CLUSTER	YES	92622.54		34.79	4.99	39.77	25090	Valve	5249.51	Valve	8875.54	36	0.312	52	0.21	0.07	14.87	3.43	5:52	335	931	670	649	0.50	1.05							1250	Unknown		
30112	CLUSTER	YES	92626.59		38.83	0.94	39.77	25090	Valve	5253.55	Valve	8871.5	36	0.312	52	0.16	0.05	9.94	1.76	6:04	335	982	707	649	0.47	1.10							1250	Unknown		
30117	GirthWeld		92627.53		39.77	38.36	38.36	25100	Valve	5254.49	Valve	8870.56	36	0.312	52					0.523611	335			649									1250	Unknown		
30119	CLUSTER	YES	92630.55		3.02	35.34	38.36	25100	Valve	5257.51	Valve	8867.54	36	0.312	52	0.27	0.08	4.10	2.99	0.245833	335	992	714	649	0.47	1.14							1250	Unknown		
30124	CLUSTER	YES	92631.62		4.09	34.27	38.36	25100	Valve	5258.58	Valve	8866.47	36	0.312	52	0.25	0.08	3.30	1.07	0.231944	335	1017	732	649	0.46	1.15							1250	Unknown		
30127	CLUSTER	YES	92632.62		5.09	33.28	38.36	25100	Valve	5259.58	Valve	8865.47	36	0.312	52	0.15	0.05	4.08	2.17	6:11	335	1032	743	649	0.45	1.15							1250	Unknown		
30130	CLUSTER	YES	92633.13		5.6	32.76	38.36	25100	Valve	5260.09	Valve	8864.96	36	0.312	52	0.22	0.07	9.13	4.90	5:52	335	950	684	649	0.49	1.08							1250	Unknown		
30138	MELO-CORR	YES	92633.94		6.41	31.95	38.36	25100	Valve	5260.9	Valve	8864.15	36	0.312	52	0.17	0.05	1.22	0.16	0.271528	335	1068	769	649	0.44	1.18							1598	Metal Loss		
30140	CLUSTER	YES	92634.15		6.62	31.74	38.36	25100	Valve	5261.11	Valve	8863.94	36	0.312	52	0.15	0.05	8.33	0.82	0.256944	335	996	717	649	0.47	1.12							1250	Unknown		
30143	CLUSTER	YES	92634.26		6.73	31.63	38.36	25100	Valve	5261.22	Valve	8863.83	36	0.312	52	0.15	0.05	3.16	0.60	0.244444	335	1045	752	649	0.45	1.16							1250	Unknown		
30147	CLUSTER	YES	92634.82		7.29	31.07	38.36	25100	Valve	5261.78	Valve	8863.27	36	0.312	52	0.15	0.05	4.10	1.48	6:29	335	1032	743	649	0.45	1.15							1250	Unknown		
30151	CLUSTER	YES	92635.55		8.02	30.34	38.36	25100	Valve	5262.51	Valve	8862.54	36	0.312	52	0.15	0.05	1.78	1.07	5:54	335	1063	765	649	0.44	1.18							1250	Unknown		
30154	CLUSTER	YES	92636.32		8.79	29.57	38.36	25100	Valve	5263.28	Valve	8861.77	36	0.312	52	0.22	0.07	4.40	0.69	0.243056	335	1004	723	649	0.46	1.14							1250	Unknown		
30156	CLUSTER	YES	92636.48		8.95	29.41	38.36	25100	Valve	5263.44	Valve	8861.61	36	0.312	52	0.2	0.06	21.60	6.10	0.24375	335	926	667	649	0.50	1.05							1250	Unknown		
30163	CLUSTER	YES	92636.72		9.19	29.17	38.36	25100	Valve	5263.68	Valve	8861.37	36	0.312	52	0.23	0.07	7.34	1.10	0.225694	335	959	690	649	0.49	1.11							1250	Unknown		
30169	MELO-CORR	YES	92637.2		9.67	28.7	38.36	25100	Valve	5264.16	Valve	8860.89	36	0.312	52	0.19	0.06	1.22	0.39	5:52	335	1067	768	649	0.44	1.18							1598	Metal Loss		
30179	MELO-CORR	YES	92638.26		10.73	27.63	38.36	25100	Valve	5265.22	Valve	8859.83	36	0.312	52	0.16	0.05	1.10	0.24	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30181	CLUSTER	YES	92639.56		12.03	26.34	38.36	25100	Valve	5266.52	Valve	8858.53	36	0.312	52	0.21	0.07	9.67	1.45	0.225694	335	952	686	649	0.49	1.10							1250	Unknown		
30187	CLUSTER	YES	92640.27		12.74	25.63	38.36	25100	Valve	5267.23	Valve	8857.82	36	0.312	52	0.21	0.07	76.76	4.27	0.240056	335	976	703	649	0.48	1.09							1250	Unknown		
30196	MELO-CORR	YES	92641.78		14.25	24.11	38.36	25100	Valve	5268.74	Valve	8856.31	36	0.312	52	0.19	0.06	1.18	0.59	0.227083	335	1067	768	649	0.44	1.18							1598	Metal Loss		
30197	MELO-CORR	YES	92642.59		15.06	23.3	38.36	25100	Valve	5269.55	Valve	8855.5	36	0.312	52	0.15	0.05	1.10	0.20	5:21	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30199	CLUSTER	YES	92643.02		15.49	22.87	38.36	25100	Valve	5269.98	Valve	8855.07	36	0.312	52	0.26	0.08	4.20	1.13	6:17	335	993	715	649	0.47	1.14							1250	Unknown		
30201	MELO-CORR	YES	92644.55		17.02	21.34	38.36	25100	Valve	5271.51	Valve	8853.54	36	0.312	52	0.16	0.05	1.18	0.55	0.198611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30202	MELO-CORR	YES	92644.72		17.19	21.17	38.36	25100	Valve	5271.68	Valve	8853.37	36	0.312	52	0.22	0.07	1.14	0.20	0.210417	335	1066	768	649	0.44	1.18							1598	Metal Loss		
30203	MELO-CORR	YES	92645.43		17.9	20.46	38.36	25100	Valve	5272.39	Valve	8852.66	36	0.312	52	0.15	0.05	1.18	0.16	0.30625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30205	CLUSTER	YES	92645.63		18.1	20.26	38.36	25100	Valve	5272.59	Valve	8852.46	36	0.312	52	0.15	0.05	8.76	1.92	4:46	335	994	715	649	0.47	1.11							1250	Unknown		
30210	CLUSTER	YES	92645.88		18.35	20.01	38.36	25100	Valve	5272.84	Valve	8852.21	36	0.312	52	0.2	0.06	4.90	1.89	5:23	335	1004	723	649	0.46	1.13							1250	Unknown		
30219	CLUSTER	YES	92646.77		19.24	19.12	38.36	25100	Valve	5273.73	Valve	8851.32	36	0.312	52	0.25	0.08	2.75	1.10	0.226389	335	1030	741	649	0.45	1.15							1250	Unknown		
30223	MELO-CORR	YES	92649.65		22.12	16.25	38.36	25100	Valve	5276.61	Valve	8848.44	36	0.312	52	0.17	0.05	1.18	0.28	0.223611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30225	CLUSTER	YES	92649.97		22.44	15.92	38.36	25100	Valve	5276.93	Valve	8848.12	36	0.312	52	0.17	0.05	4.37	1.13	0.267361	335	1022	736	649	0.46	1.14							1250	Unknown		
30229	CLUSTER	YES	92650.82		23.29	15.07	38.36	25100	Valve	5277.78	Valve	8847.27	36	0.312	52	0.26	0.08	14.11	2.99	5:19	335	897	646	649	0.52	1.07							1250	Unknown		
30232	MELO-CORR	YES	92651.01		23.48	14.89	38.36	25100	Valve	5277.97	Valve	8847.08	36	0.312	52	0.18	0.06	0.94	0.55	6:25	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30235	MELO-CORR	YES	92651.28		23.75	14.61	38.36	25100	Valve	5278.24	Valve	8846.81	36	0.312	52	0.21	0.07	1.02	0.51	0.270833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30240	CLUSTER	YES	92651.58		24.05	14.32	38.36	25100	Valve	5278.54	Valve	8846.51	36	0.312	52	0.19	0.06	2.83	3.17	0.256944	335	1041	749	649	0.45	1.16							1250	Unknown		
30248	CLUSTER	YES	92652.12		24.59	13.77	38.36	25100	Valve	5279.08	Valve	8845.97	36	0.312	52	0.19	0.06	6.44	3.21	0.25625	335	989	712	649	0.47	1.12							1250	Unknown		
30252	MELO-CORR	YES	92652.4		24.87	13.49	38.36	25100	Valve	5279.36	Valve	8845.69	36	0.312	52	0.15	0.05	1.06	0.47	5:41	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30254	CLUSTER	YES	92652.41		24.88	13.48	38.36	25100	Valve	5279.37	Valve	8845.68	36	0.312	52	0.36	0.11	1.33	0.63	4:44	335	1053	758	649	0.44	1.17							1250	Unknown		
30257	CLUSTER	YES	92652.68		25.15	13.21	38.36	25100	Valve	5279.64	Valve	8845.41	36	0.312	52	0.34	0.11	23.20	3.58	0.220833	335	813	585	649	0.57	1.06							1250	Unknown		
30261	CLUSTER	YES	92653		25.47	12.89	38.36	25100	Valve	5279.96	Valve	8845.09	36	0.312	52	0.19	0.06	1.36	1.04	0.245833	335	1065	767	649	0.44	1.18							1250	Unknown		
30265	MELO-CORR	YES	92653.06		25.53	12.83	38.36	25100	Valve	5280.02	Valve	8845.03	36	0.312	52	0.21	0.07	1.58	0.79	0.266667	335	1060	763	649	0.44	1.18							1598	Metal Loss		
30277	MELO-CORR	YES	92654.29		26.76	11.6	38.36	25100	Valve	5281.26	Valve	8843.79	36	0.312	52	0.15	0.05	1.14	0.43	5:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30281	CLUSTER	YES	92654.97		27.44	10.92	38.36	25100	Valve	5281.93	Valve	8843.12	36	0.312	52	0.19	0.06	5.22	1.51	5:53	335	1003	722	649	0.46	1.11							1250	Unknown		
30286	CLUSTER	YES	92656.29		28.76

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
30395	CLUSTER	YES	92686.28		20.39	18.58	38.97	25110	Valve	5313.24	Valve	8811.81	36	0.312	52	0.15	0.05	5.26	0.69	5:49	335	1019	734	649	0.46	1.13							1250	Unknown		
30398	CLUSTER	YES	92687.25		21.36	17.61	38.97	25110	Valve	5314.21	Valve	8810.84	36	0.312	52	0.16	0.05	4.22	0.72	5:48	335	1028	740	649	0.45	1.15							1250	Unknown		
30401	CLUSTER	YES	92687.83		21.94	17.03	38.97	25110	Valve	5314.79	Valve	8810.26	36	0.312	52	0.15	0.05	6.36	0.66	0.259722	335	1009	727	649	0.46	1.11							1250	Unknown		
30404	CLUSTER	YES	92688.65		22.76	16.21	38.97	25110	Valve	5315.61	Valve	8809.44	36	0.312	52	0.15	0.05	3.50	0.47	0.240278	335	1040	749	649	0.45	1.15							1250	Unknown		
30407	CLUSTER	YES	92689.05		23.16	15.81	38.97	25110	Valve	5316.01	Valve	8809.04	36	0.312	52	0.17	0.05	7.16	1.86	0.242361	335	993	715	649	0.47	1.11							1250	Unknown		
30412	MELO-CORR	YES	92690.21		24.32	14.65	38.97	25110	Valve	5317.17	Valve	8807.88	36	0.312	52	0.2	0.06	1.18	0.20	6:12	335	1067	768	649	0.44	1.18							1598	Metal Loss		
30414	CLUSTER	YES	92691.63		25.74	13.23	38.97	25110	Valve	5318.6	Valve	8806.46	36	0.312	52	0.22	0.07	1.38	0.41	5:07	335	1063	765	649	0.44	1.18							1250	Unknown		
30417	CLUSTER	YES	92693.04		27.15	11.83	38.97	25110	Valve	5320	Valve	8805.05	36	0.312	52	0.18	0.06	8.56	1.89	0.242361	335	978	704	649	0.48	1.10							1250	Unknown		
30424	CLUSTER	YES	92694.75		28.86	10.11	38.97	25110	Valve	5321.71	Valve	8803.34	36	0.312	52	0.22	0.07	15.95	1.01	0.238889	335	921	663	649	0.51	1.06							1250	Unknown		
30431	CLUSTER	YES	92699.38		33.49	5.48	38.97	25110	Valve	5326.34	Valve	8798.71	36	0.312	52	0.15	0.05	3.70	1.86	0.240278	335	1037	747	649	0.45	1.15							1250	Unknown		
30433	MELO-CORR	YES	92703.79		37.9	1.07	38.97	25110	Valve	5330.75	Valve	8794.3	36	0.312	52	0.19	0.06	1.10	0.20	5:47	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30434	GirthWeld		92704.86		38.97	39.88	39.88	25120	Valve	5331.82	Valve	8793.23	36	0.312	52					10:34	335			649									1250	Unknown		
30435	MELO-CORR	YES	92707.78		2.92	36.96	39.88	25120	Valve	5334.74	Valve	8790.31	36	0.312	52	0.15	0.05	1.22	0.20	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
30436	GirthWeld		92744.74		39.88	39.73	39.73	25130	Valve	5371.7	Valve	8753.35	36	0.312	52					0.406944	335			649									1250	Unknown		
30437	GirthWeld		92784.47		39.73	26.72	26.72	25140	Valve	5411.43	Valve	8713.62	36	0.312	52					0.459028	335			649									1250	Unknown		
30438	GirthWeld		92811.19		26.72	39.43	39.43	25150	Valve	5438.15	Valve	8686.9	36	0.312	52					9:06	335			649									1250	Unknown		
30439	GirthWeld		92850.62		39.43	39.15	39.15	25160	Valve	5477.58	Valve	8647.47	36	0.312	52					1:46	335			649									1250	Unknown		
30440	GirthWeld		92889.77		39.15	39.94	39.94	25170	Valve	5516.73	Valve	8608.32	36	0.312	52					0.133333	335			649									1250	Unknown		
30441	MELO-CORR	YES	92909.57		19.79	20.15	39.94	25170	Valve	5536.53	Valve	8588.52	36	0.312	52	0.15	0.05	1.22	0.24	0.265278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
30442	MELO-CORR	YES	92909.79		20.02	19.92	39.94	25170	Valve	5536.75	Valve	8588.3	36	0.312	52	0.15	0.05	1.14	0.20	0.239583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30443	MELO-CORR	YES	92910.65		20.88	19.07	39.94	25170	Valve	5537.61	Valve	8587.44	36	0.312	52	0.15	0.05	1.10	0.20	6:23	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30445	CLUSTER	YES	92911.33		21.56	18.38	39.94	25170	Valve	5538.29	Valve	8586.76	36	0.312	52	0.17	0.05	15.74	2.08	5:35	335	957	689	649	0.49	1.09							1250	Unknown		
30454	CLUSTER	YES	92913.06		23.29	16.65	39.94	25170	Valve	5540.02	Valve	8585.03	36	0.312	52	0.15	0.05	12.29	2.67	0.227778	335	980	705	649	0.47	1.10							1250	Unknown		
30460	MELO-CORR	YES	92914.23		24.46	15.48	39.94	25170	Valve	5541.19	Valve	8583.86	36	0.312	52	0.19	0.06	1.14	0.20	0.231944	335	1068	769	649	0.44	1.18							1598	Metal Loss		
30462	CLUSTER	YES	92914.35		24.58	15.36	39.94	25170	Valve	5541.31	Valve	8583.74	36	0.312	52	0.15	0.05	6.02	1.89	0.2125	335	1012	729	649	0.46	1.13							1250	Unknown		
30464	MELO-CORR	YES	92914.55		24.78	15.16	39.94	25170	Valve	5541.51	Valve	8583.54	36	0.312	52	0.17	0.05	1.18	0.20	5:32	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30467	CLUSTER	YES	92914.79		25.01	14.93	39.94	25170	Valve	5541.75	Valve	8583.3	36	0.312	52	0.18	0.06	3.46	0.72	6:25	335	1033	744	649	0.45	1.15							1250	Unknown		
30470	CLUSTER	YES	92915.32		25.55	14.39	39.94	25170	Valve	5542.28	Valve	8582.77	36	0.312	52	0.19	0.06	7.19	1.76	0.2125	335	982	707	649	0.47	1.12							1250	Unknown		
30472	CLUSTER	YES	92915.42		25.65	14.29	39.94	25170	Valve	5542.38	Valve	8582.67	36	0.312	52	0.19	0.06	6.59	2.52	0.265972	335	988	711	649	0.47	1.12							1250	Unknown		
30481	CLUSTER	YES	92916.23		26.46	13.48	39.94	25170	Valve	5543.19	Valve	8581.86	36	0.312	52	0.16	0.05	3.29	0.54	0.209722	335	1040	749	649	0.45	1.16							1250	Unknown		
30483	MELO-CORR	YES	92917.34		27.57	12.38	39.94	25170	Valve	5544.3	Valve	8580.75	36	0.312	52	0.15	0.05	1.18	0.20	5:20	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30484	MELO-CORR	YES	92918.53		28.76	11.18	39.94	25170	Valve	5545.49	Valve	8579.56	36	0.312	52	0.22	0.07	1.10	0.20	5:32	335	1067	768	649	0.44	1.18							1598	Metal Loss		
30486	CLUSTER	YES	92919.06		29.29	10.65	39.94	25170	Valve	5546.02	Valve	8579.03	36	0.312	52	0.15	0.05	4.63	0.28	0.23125	335	1026	739	649	0.45	1.14							1250	Unknown		
30489	CLUSTER	YES	92919.63		29.86	10.08	39.94	25170	Valve	5546.59	Valve	8578.46	36	0.312	52	0.19	0.06	21.16	4.90	0.227778	335	934	673	649	0.50	1.08							1250	Unknown		
30504	MELO-CORR	YES	92925.76		35.99	3.95	39.94	25170	Valve	5552.72	Valve	8572.33	36	0.312	52	0.15	0.05	1.10	0.20	0.2625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30505	GirthWeld		92929.71		39.94	38.88	38.88	25180	Valve	5556.67	Valve	8568.38	36	0.312	52					9:02	335			649									1250	Unknown		
30507	CLUSTER	YES	92930.67		0.96	37.92	38.88	25180	Valve	5557.63	Valve	8567.42	36	0.312	52	0.17	0.05	10.13	7.32	5:47	335	975	702	649	0.48	1.10							1250	Unknown		
30522	CLUSTER	YES	92932.7		2.99	35.89	38.88	25180	Valve	5559.66	Valve	8565.39	36	0.312	52	0.18	0.06	5.23	0.97	0.265278	335	1008	725	649	0.46	1.12							1250	Unknown		
30524	MELO-CORR	YES	92950.43		20.71	18.17	38.88	25180	Valve	5577.39	Valve	8547.66	36	0.312	52	0.15	0.05	1.10	0.39	0.288889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30526	CLUSTER	YES	92953.84		24.13	14.76	38.88	25180	Valve	5580.8	Valve	8544.25	36	0.312	52	0.33	0.10	4.84	0.94	0.230556	335	949	683	649	0.49	1.07							1250	Unknown		
30528	MELO-CORR	YES	92954.36		24.65	14.23	38.88	25180	Valve	5581.32	Valve	8543.73	36	0.312	52	0.23	0.07	1.22	0.51	5:30	335	1065	767	649	0.44	1.18							1598	Metal Loss		
30530	CLUSTER	YES	92954.44		24.73	14.15	38.88	25180	Valve	5581.4	Valve	8543.65	36	0.312	52	0.15	0.05	7.50	0.82	6:22	335	1001	721	649	0.46	1.12							1250	Unknown		
30533	MELO-CORR	YES	92956.01		26.3	12.58	38.88	25180	Valve	5582.97	Valve	8542.08	36	0.312	52	0.18	0.06	1.18	0.20	0.279167	335	1068	769	649	0.44	1.18							1598	Metal Loss		
30535	CLUSTER	YES	92956.27		26.56	12.32	38.88	25180	Valve	5583.23	Valve	8541.82	36	0.312	52	0.18	0.06	4.25	2.20	0.271528	335	1021	735	649	0.46	1.14							1250	Unknown		
30539	MELO-CORR	YES	92957.03		27.32	11.56	38.88	25180	Valve	5583.99	Valve	8541.06	36	0.312	52	0.16	0.05	1.14	0.16	0.222917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30540	MELO-CORR	YES	92958.28		28.57	10.31	38.88	25180	Valve	5585.24	Valve	8539.81	36	0.312	52	0.15	0.05	1.10	0.20	5:41	335	1070	770	649	0.43	1.19							1598	Metal Loss		
30542	CLUSTER	YES	92958.45		28.74	10.14	38.88	25180	Valve	5585.41	Valve	8539.64	36	0.312	52	0.17	0.05	6.07	0.79	6:22	335	1003	722	649	0.46	1.13							1250	Unknown		
30546	CLUSTER	YES	92958.75		29.04	9.84	38.88	25180	Valve	5585.71	Valve	8539.34	36	0.312	52	0.22	0.07	5.14	1.32	0.227083	335	992	715	649	0.47	1.13							1250	Unknown		
30549	MELO-CORR	YES	92959.45		29.74	9.15	38.88	25180	Valve	5586.41	Valve	8538.64	36	0.312	52	0.25	0.08	1.34	0.32	0.229167	335	1061	764	649	0.44	1.18							1598	Metal Loss		
30550	MELO-CORR	YES	92960.17		30.46	8.42	38.88	25180	Valve	5587.13	Valve	8537.92	36	0.312	52	0.16	0.05	1.18	0.20	0.231944	335	1069	769	649	0.44	1.19							1598	Metal Loss		
30551	MELO-CORR	YES	92962.28		32.57	6.31	38.88	25180	Valve	5589.24	Valve	8535.81	36	0.312	52	0.15	0.05	1.22	0.20	5:34	335	1069	769	649	0.44	1.19							1598	Metal Loss		
30552	GirthWeld		92968.59		38.88	39.69	39.69	25190	Valve	5595.55	Valve	8529.5	36	0.312	52					10:32	335			649									1250	Unknown		
30553	GirthWeld		93008.28		39.69	39.35	39.34	25200	Valve	5635.24	Valve	8489.81	36	0.312	52					0.459722	335			649									1250	Unknown		
30555	CLUSTER	YES	93023.75		15.47	23.88	39.34	25200	Valve	5650.71	Valve	8474.34	36	0.312	52	0.23	0.07	6.23	0.97	0.24375	335	972	700	649	0.48	1.10							1250	Unknown		
30560	CLUSTER	YES	93025.34		17.06	22.29	39.34	25200	Valve	5652.3	Valve	8472.75	36	0.312	52	0.18	0.06	7.58	2.70	0.247917	335	984	709	649	0.47	1.10							1250	Unknown		
30564	MELO-CORR	YES	93028.41		20.13	19.22	39.34	25200	Valve	5655.37	Valve	8469.68	36	0.312	52	0.17	0.05	1.14	0.16	5:40	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30565	GirthWeld		93047.63		39.35	31.31	31.31	25210	Valve	5674.59	Valve	8450.46	36	0.312	52					10:06	335			649									1250	Unknown		
30566	GirthWeld		93078.94		31.31	39.66	39.67	25220	Valve	5705.9	Valve	8419.15	36	0.312	52					0.047222	335			649									1250	Unknown		
30567	GirthWeld		93118.6		39.66	39.82	39.82	25230	Valve	5745.56	Valve	8379.49	36	0.312	52					0.5125	335			649									1250	Unknown		
30568	GirthWeld		93158.42		39.82	39.73	39.73	25240	Valve	5785.38	Valve	8339.67	36	0.312	52					0.154167	335			649									1250	Unknown		
30569	GirthWeld		93198.15		39.74	38.68	38.68	25250	Valve	5825.12	Valve	8299.93	36	0.312	52					2:44	335			649									1250	Unknown		
30571	CLUSTER	YES	93209		10.85	27.83	38.68	25250	Valve	5835.96	Valve	8289.09	36	0.312	52	0.21	0.07	15.90	4.05	5:47	335	928	668	649	0.50	1.09							1250	Unknown		
30583	CLUSTER	YES	93210.13		11.98	26.71	38.68	25250	Valve	5837.09	Valve	8287.96	36	0.312	52	0.22	0.07	8.14	6.85	0.242361	335	957	689	649	0.49	1.09							1250	Unknown		
30599	CLUSTER	YES	93212.68		14.53	24.16	38.68	25250	Valve	5839.64	Valve	8285.41	36	0.312	52	0.16	0.05	3.23	0.63	0.247222	335	1041	750	649	0.45	1.16							1250	Unknown		
30602	CLUSTER	YES	93213.07		14.92	23.77	38.68	25250	Valve	5840.03	Valve	8285.02	36	0.312	52	0.19	0.06	13.75	4.65	0.241667	335	948	683	649	0.49	1.09							1250	Unknown		
30617	CLUSTER	YES	93215.85		17.7	20.98	38.68	25250	Valve	5842.81	Valve	8282.24	36	0.312	52	0.25	0.08	3.62	1.67	5:14	335	1010	727	649	0.46	1.15							1250	Unknown		
30622	CLUSTER	YES	93217.15		19	19.69	38.68	25250	Valve	5844.11	Valve	8280.94	36	0.312	52	0.16	0.05	6.62	2.96	5:40	335	1003	722	649	0.46	1.12							1250	Unknown		
30626	CLUSTER	YES	93217.6		19.45	19.23	38.68	25250	Valve	5844.56	Valve	8280.49	36	0.312	52	0.23	0.07	23.41	2.96	0.255556	335	901	649	649	0.52	1.06							1250	Unknown		
30648	CLUSTER	YES	93219.54		21.39	17.3	38.68	25250	Valve	5846.5	Valve	8278.55	36	0.312	52	0.18	0.06	35.40	5.34	0.219444	335	931	670	649	0.50	1.07							1250	Unknown		
30651	CLUSTER	YES	93219.72		21.57	17.11	38.68	25250	Valve	5846.68	Valve	8278.37	36	0.312	52	0.21	0.07	45.18	6.76	0.247222	335	901	648	649	0.52	1.06							1250	Unknown		
30718	CLUSTER	YES	93224.27		26.12	12.57	38.68	25250	Valve	5851.23	Valve	8273.82	36	0.312	52	0.21	0.07	26.03	7.48	5:41	335	914	658	649	0.51	1.07							1250	Unknown		
30731	CLUSTER	YES	93225		26.85	11.83	38.68	25250	Valve	5851.96	Valve	8273.09	36	0.312	52	0.18	0.06	1.46	1.67	5:21	335	1064	766	649	0.44	1.18							1250	Unknown		
30748	CLUSTER	YES	93231.46		33.31	5.38	38.68	25250	Valve	5858.42	Valve	8266.63	36	0.312	52	0.15	0.05	7.75	2.70	0.227778	335	999	720	649	0.47	1.12							1250	Unknown		
30753	CLUSTER	YES	93234.16		36.01	2.68	38.68	25250	Valve	5861.12	Valve	8263.93	36	0.312	52	0.17	0.05	5.36	3.52	0.225694	335	1010	727	649	0.46	1.13							1250	Unknown		
30758	CLUSTER	YES	93235.81		37.66	1.03	38.68	25250	Valve	5862.77	Valve	8262.28	36	0.312	52	0.2	0.06	8.92	1.82	0.264583	335	963	694	649	0.48	1.11							1250	Unknown		
30762	GirthWeld		93236.84		38.69	39.97	39.98	25260	Valve	5863.8	Valve	8261.25	36	0.312	52					9:06	335			649									1250	Unknown		
30764	CLUSTER	YES	93237.07		0.23	39.74	39.98	25260	Valve	5864.03	Valve	8261.02	36	0.312	52	0.16	0.05	15.73	2.61	5:28	335	965	695	649	0.48	1.08							1250	Unknown		
30772	MELO-CORR	YES	93239.79		2.95	37.03	39.98	25260	Valve	5866.75	Valve	8258.3	36	0.312	52	0.21	0.07	1.14	0.28	0.298611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
30773	MELO-CORR	YES	93241.48		4.64	35.34	39.98	25260	Valve	5868.44	Valve	8256.61	36	0.312	52	0.25	0.08	1.38	0.24	0.235417	335	1061	764	649	0.44	1.18							1598	Metal Loss		
30775	CLUSTER	YES	93241.71		4.87	35.1	39.98	25260	Valve	5868.67	Valve	8256.38	36	0.312	52	0.17	0.05	3.23	0.69	0.235417	335	1039	748	649	0.45	1.16							1250	Unknown		
30778	CLUSTER	YES	93242.53		5.69	34.28	39.98	25260	Valve	5869.49	Valve	8255.56	36	0.312	52	0.15	0.05	6.67	1.82	6:21	335	1007	725	649	0.46	1.13							1250	Unknown		
30784	CLUSTER	YES	93243.25		6.41	33.56	39.98	25260	Valve	5870.21	Valve	8254.84	36	0.312	52	0.15	0.05	7.03	1.10	6:29	335	1004	723	649	0.46	1.12							1250	Unknown		
30787	CLUSTER	YES	93246.78		9.94	30.03	39.98	25260	Valve	5873.74	Valve	8251.31	36	0.312	52	0.16	0.05	3.31	0.35	0.276389	335	1040	749	649	0.45	1.15							1250	Unknown		
30789	MELO-CORR	YES	93248.57		11.73	28.24	39.98	25260	Valve	5875.53	Valve	8249.52	36	0.312	52	0.16	0.05	1.22	0.16	0.219444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
30791	CLUSTER	YES	93249.47		12.63	27.34	39.98	25260	Valve	5876.43	Valve	8248.62	36	0.312	52	0.17	0.05	6.82	1.92	0.270833	335	996	717	649	0.47	1.12							1250	Unknown		
30796	CLUSTER	YES	93255.25		18.41	21.56	39.98	25260	Valve	5882.21	Valve	8242.84	36	0.312	52	0.15	0.05	15.11	1.54	6:29	335	973	701	649	0.48	1.08							1250	Unknown		
30805	CLUSTER	YES	93256.61		19.77	20.21	39.98	25260	Valve	5883.57	Valve	8241.48	36	0.312	52	0.18	0.06	6.19	1.07	6:29	335	997	718	649	0.47	1.12							1250	Unknown		
30811	CLUSTER	YES	93258.92		22.08	17.89	39.98	25260	Valve	5885.88	Valve	8239.17	36	0.312	52	0.15	0.05	7.42	2.39	0.286806	335	1002	721	649	0.46	1.12							1250	Unknown		
30818	CLUSTER	YES	93262.35		25.51	14.46	39.98	25260	Valve	5889.31	Valve	8235.74	36	0.312	52	0.18	0.06	2.77	1.13	0.213194	335	1044	752	649	0.45	1.16							1250	Unknown		
30820	MELO-CORR	YES	93263.34		26.5	13.48	39.98	25260	Valve	5890.3	Valve	8234.75	36	0.312	52	0.16	0.05	1.14	0.20	0.282639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
30821	GirthWeld		93276.81		39.97	39.75	39.75	25270	Valve	5903.77	Valve	8221.28	36	0.312	52					10:02	335			649									1250	Unknown		
30822	GirthWeld		93316.56		39.75	39.29	39.29	25280	Valve	5943.52	Valve	8181.53	36	0.312	52					11:08	335			649									1250	Unknown		
30823	GirthWeld		93355.85		39.29	38.54	38.55	25290	Valve	5982.81	Valve	8142.24	36	0.312	52					0.506944	335			649									1250	Unknown		
30824	GirthWeld		93394.39		38.54	39.86	39.86	25300	Valve	6021.35	Valve	8103.7	36	0.312	52					0.075	335			649									1250	Unknown		
30826	CLUSTER	YES	93418.46		24.07	15.79	39.86	25300	Valve	6045.42	Valve	8079.63	36	0.312	52	0.16	0.05	10.66	3.14	0.250694	335	979	705	649	0.48	1.10							1250	Unknown		
30835	CLUSTER	YES	93425.15		30.76	9.1	39.86	25300	Valve	6052.11	Valve	8072.94	36	0.312	52	0.24	0.08	6.82	3.30	5:52	335	960	691	649	0.48	1.11							1250	Unknown		
30841	CLUSTER	YES	93426.51		32.12	7.74	39.86	25300	Valve	6053.47	Valve	8071.58	36	0.312	52	0.17	0.05	5.17	1.76	6:00	335	1013	729	649	0.46	1.14							1250	Unknown		
30845	CLUSTER	YES	93429.92		35.53	4.33	39.86	25300	Valve	6056.88	Valve	8068.17	36	0.312	52	0.47	0.15	7.92	1.92	0.248611	335	797	574	649	0.58	0.93							1250	Unknown		
30849	CLUSTER	YES	93430.96		36.57	3.29	39.86	25300	Valve	6057.92	Valve	8067.13	36	0.312	52	0.15	0.05	2.75	0.47	0.249306	335	1050	756	649	0.44	1.16							1250	Unknown		
30851	GirthWeld		93434.25		39.86	39.81	39.81	25310	Valve	6061.21	Val

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
30991	CLUSTER	YES	93467.35		33.1	6.71	39.81	25310	Valve	6094.31	Valve	8030.74	36	0.312	52	0.3	0.09	23.77	3.87	5:53	335	845	608	649	0.55	1.04							1250	Unknown		
31005	MELO-CORR	YES	93469.26		35.01	4.8	39.81	25310	Valve	6096.22	Valve	8028.83	36	0.312	52	0.15	0.05	1.10	0.28	6:32	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31007	CLUSTER	YES	93469.63		35.38	4.43	39.81	25310	Valve	6096.59	Valve	8028.46	36	0.312	52	0.17	0.05	6.66	1.54	0.249306	335	997	718	649	0.47	1.12							1250	Unknown		
31010	MELO-CORR	YES	93470.29		36.04	3.77	39.81	25310	Valve	6097.25	Valve	8027.8	36	0.312	52	0.17	0.05	1.10	0.24	0.272917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31012	CLUSTER	YES	93470.37		36.12	3.69	39.81	25310	Valve	6097.33	Valve	8027.72	36	0.312	52	0.25	0.08	1.90	0.85	0.254167	335	1050	756	649	0.44	1.17							1250	Unknown		
31015	CLUSTER	YES	93470.79		36.54	3.27	39.81	25310	Valve	6097.75	Valve	8027.3	36	0.312	52	0.23	0.07	4.75	1.51	5:51	335	994	716	649	0.47	1.12							1250	Unknown		
31021	CLUSTER	YES	93471.97		37.72	2.09	39.81	25310	Valve	6098.93	Valve	8026.12	36	0.312	52	0.31	0.10	5.86	1.10	6:05	335	937	674	649	0.50	1.05							1250	Unknown		
31024	CLUSTER	YES	93472.59		38.34	1.47	39.81	25310	Valve	6099.55	Valve	8025.5	36	0.312	52	0.21	0.07	4.68	1.48	0.253472	335	1003	722	649	0.46	1.12							1250	Unknown		
31026	GirthWeld		93474.06		39.81	20.35	20.36	25320	Valve	6101.02	Valve	8024.03	36	0.312	52					0.486806	335			649									1250	Unknown		
31027	MELO-CORR	YES	93478.65		4.59	15.77	20.36	25320	Valve	6105.61	Valve	8019.44	36	0.312	52	0.19	0.06	2.44	0.67	0.252083	335	1048	754	649	0.44	1.16							1598	Metal Loss		
31028	MELO-CORR	YES	93483.71		9.65	10.71	20.36	25320	Valve	6110.67	Valve	8014.38	36	0.312	52	0.17	0.05	2.52	0.63	6:06	335	1050	756	649	0.44	1.17							1598	Metal Loss		
31030	CLUSTER	YES	93484.35		10.29	10.07	20.36	25320	Valve	6111.31	Valve	8013.74	36	0.312	52	0.2	0.06	3.62	1.35	6:05	335	1024	738	649	0.45	1.15							1250	Unknown		
31034	CLUSTER	YES	93488.15		14.09	6.27	20.36	25320	Valve	6115.11	Valve	8009.94	36	0.312	52	0.27	0.08	6.22	2.23	0.245139	335	952	685	649	0.49	1.08							1250	Unknown		
31040	CLUSTER	YES	93489.72		15.66	4.7	20.36	25320	Valve	6116.68	Valve	8008.37	36	0.312	52	0.3	0.09	8.29	2.52	0.24375	335	907	653	649	0.51	1.09							1250	Unknown		
31045	MELO-CORR	YES	93490.54		16.49	3.87	20.36	25320	Valve	6117.51	Valve	8007.54	36	0.312	52	0.19	0.06	2.48	0.51	0.255556	335	1047	754	649	0.44	1.16							1598	Metal Loss		
31047	CLUSTER	YES	93491.12		17.06	3.3	20.36	25320	Valve	6118.08	Valve	8006.97	36	0.312	52	0.23	0.07	1.88	1.23	5:53	335	1053	758	649	0.44	1.17							1250	Unknown		
31049	MELO-CORR	YES	93491.45		17.39	2.97	20.36	25320	Valve	6118.41	Valve	8006.64	36	0.312	52	0.22	0.07	1.18	0.35	6:06	335	1066	767	649	0.44	1.18							1598	Metal Loss		
31050	MELO-CORR	YES	93492.82		18.76	1.6	20.36	25320	Valve	6119.78	Valve	8005.27	36	0.312	52	0.16	0.05	1.18	0.55	0.254167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
31052	CLUSTER	YES	93493.47		19.41	0.94	20.36	25320	Valve	6120.43	Valve	8004.62	36	0.312	52	0.26	0.08	4.08	0.82	0.25625	335	996	717	649	0.47	1.12							1250	Unknown		
31054	GirthWeld		93494.41		20.35	19.71	19.7	25330	Valve	6121.37	Valve	8003.68	36	0.312	52					0.5125	335			649									1250	Unknown		
31056	CLUSTER	YES	93494.54		0.13	19.58	19.7	25330	Valve	6121.5	Valve	8003.55	36	0.312	52	0.25	0.08	4.38	0.91	6:09	335	994	715	649	0.47	1.10							1250	Unknown		
31059	CLUSTER	YES	93495.55		1.14	18.56	19.7	25330	Valve	6122.51	Valve	8002.54	36	0.312	52	0.16	0.05	2.99	1.42	5:52	335	1045	752	649	0.45	1.16							1250	Unknown		
31061	MELO-CORR	YES	93503.4		8.99	10.71	19.7	25330	Valve	6130.36	Valve	7994.69	36	0.312	52	0.16	0.05	1.46	0.47	0.272222	335	1066	767	649	0.44	1.18							1598	Metal Loss		
31063	CLUSTER	YES	93504.29		9.88	9.83	19.7	25330	Valve	6131.25	Valve	7993.8	36	0.312	52	0.23	0.07	6.18	1.01	0.256944	335	973	700	649	0.48	1.10							1250	Unknown		
31066	CLUSTER	YES	93510.18		15.77	3.93	19.7	25330	Valve	6137.14	Valve	7987.91	36	0.312	52	0.16	0.05	10.55	1.51	0.227083	335	979	705	649	0.48	1.09							1250	Unknown		
31068	CLUSTER	YES	93510.35		15.94	3.76	19.7	25330	Valve	6137.31	Valve	7987.74	36	0.312	52	0.17	0.05	4.92	1.10	6:28	335	1015	731	649	0.46	1.12							1250	Unknown		
31076	MELO-CORR	YES	93511.09		16.68	3.02	19.7	25330	Valve	6138.05	Valve	7987	36	0.312	52	0.16	0.05	1.14	0.39	5:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31078	CLUSTER	YES	93511.17		16.76	2.95	19.7	25330	Valve	6138.13	Valve	7986.92	36	0.312	52	0.35	0.11	1.52	0.50	0.232639	335	1048	755	649	0.44	1.17							1250	Unknown		
31081	CLUSTER	YES	93511.29		16.88	2.82	19.7	25330	Valve	6138.25	Valve	7986.8	36	0.312	52	0.16	0.05	12.23	2.89	0.24375	335	973	701	649	0.48	1.09							1250	Unknown		
31093	CLUSTER	YES	93512.9		18.49	1.22	19.7	25330	Valve	6139.86	Valve	7985.19	36	0.312	52	0.27	0.08	8.69	4.62	0.239583	335	922	664	649	0.50	1.09							1250	Unknown		
31101	GirthWeld		93514.12		19.71	22.98	22.99	25340	Valve	6141.08	Valve	7983.97	36	0.312	52					11:06	335			649									1250	Unknown		
31103	CLUSTER	YES	93534.05		19.93	3.05	22.99	25340	Valve	6161.01	Valve	7964.04	36	0.312	52	0.15	0.05	2.64	1.51	5:51	335	1052	757	649	0.44	1.17							1250	Unknown		
31106	GirthWeld		93537.1		22.98	17.96	17.96	25350	Valve	6164.06	Valve	7960.99	36	0.312	52					0.479167	335			649									1250	Unknown		
31108	CLUSTER	YES	93537.31		0.21	17.76	17.96	25350	Valve	6164.27	Valve	7960.78	36	0.312	52	0.17	0.05	5.93	4.31	0.238194	335	1004	723	649	0.46	1.13							1250	Unknown		
31114	GirthWeld		93555.06		17.96	23.29	23.29	25360	Valve	6182.02	Valve	7943.03	36	0.312	52					0.108333	335			649									1250	Unknown		
31115	GirthWeld		93578.35		23.29	39.79	39.79	25370	Valve	6205.31	Valve	7919.74	36	0.312	52					2:04	335			649									1250	Unknown		
31116	GirthWeld		93618.14		39.79	29.34	29.33	25380	Valve	6245.1	Valve	7879.95	36	0.312	52					12:44	335			649									1250	Unknown		
31117	GirthWeld		93647.48		29.34	39.79	39.8	25390	Valve	6274.44	Valve	7850.61	36	0.312	52					0.497222	335			649									1250	Unknown		
31119	CLUSTER	YES	93667.97		20.49	19.3	39.8	25390	Valve	6294.93	Valve	7830.12	36	0.312	52	0.23	0.07	21.80	4.27	0.243056	335	903	650	649	0.52	1.04							1250	Unknown		
31135	CLUSTER	YES	93677.09		29.61	10.19	39.8	25390	Valve	6304.05	Valve	7821	36	0.312	52	0.26	0.08	12.97	3.14	0.24375	335	901	649	649	0.52	1.08							1250	Unknown		
31148	MELO-CORR	YES	93678.36		30.88	8.91	39.8	25390	Valve	6305.32	Valve	7819.73	36	0.312	52	0.15	0.05	1.22	0.71	5:49	335	1069	769	649	0.44	1.19							1598	Metal Loss		
31150	CLUSTER	YES	93681.37		33.89	5.91	39.8	25390	Valve	6308.33	Valve	7816.72	36	0.312	52	0.18	0.06	6.48	1.82	5:50	335	994	716	649	0.47	1.11							1250	Unknown		
31157	GirthWeld		93687.27		39.79	39.22	39.22	25400	Valve	6314.23	Valve	7810.82	36	0.312	52					0.161806	335			649									1250	Unknown		
31158	MELO-CORR	YES	93700.15		12.88	26.33	39.22	25400	Valve	6327.12	Valve	7797.93	36	0.312	52	0.17	0.05	1.18	0.16	0.295833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
31159	MELO-CORR	YES	93707.9		20.63	18.58	39.22	25400	Valve	6334.86	Valve	7790.19	36	0.312	52	0.16	0.05	1.14	0.20	0.286806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31161	CLUSTER	YES	93711.87		24.6	14.62	39.22	25400	Valve	6338.83	Valve	7786.22	36	0.312	52	0.15	0.05	10.48	3.24	5:52	335	986	710	649	0.47	1.11							1250	Unknown		
31167	GirthWeld		93726.49		39.22	26.34	26.34	25410	Valve	6353.45	Valve	7771.6	36	0.312	52					1:34	335			649									1250	Unknown		
31168	GirthWeld		93752.83		26.34	39.71	39.72	25420	Valve	6379.79	Valve	7745.26	36	0.312	52					0.463889	335			649									1250	Unknown		
31169	GirthWeld		93792.54		39.71	23.5	23.49	25430	Valve	6419.5	Valve	7705.55	36	0.312	52					0.511111	335			649									1250	Unknown		
31170	GirthWeld		93816.04		23.5	39.9	39.9	25440	Valve	6443	Valve	7682.05	36	0.312	52					0.083333	335			649									1250	Unknown		
31171	GirthWeld		93855.94		39.9	39.77	39.78	25450	Valve	6482.9	Valve	7642.15	36	0.312	52					2:42	335			649									1250	Unknown		
31172	GirthWeld		93895.71		39.77	36.75	36.74	25460	Valve	6522.67	Valve	7602.38	36	0.312	52					10:56	335			649									1250	Unknown		
31173	MELO-CORR	YES	93928.88		33.17	3.58	36.74	25460	Valve	6555.84	Valve	7569.21	36	0.312	52	0.15	0.05	2.40	0.63	0.246528	335	1055	759	649	0.44	1.17							1598	Metal Loss		
31174	GirthWeld		93932.46		36.75	39.17	39.17	25470	Valve	6559.42	Valve	7565.63	36	0.312	52					0.525	335			649									1250	Unknown		
31175	MELO-CORR	YES	93936.03		3.57	35.6	39.17	25470	Valve	6562.99	Valve	7562.06	36	0.312	52	0.17	0.05	3.39	0.51	0.25625	335	1036	746	649	0.45	1.15							1598	Metal Loss		
31177	CLUSTER	YES	93939.04		6.58	32.6	39.17	25470	Valve	6566	Valve	7559.05	36	0.312	52	0.15	0.05	3.44	0.66	5:53	335	1041	749	649	0.45	1.15							1250	Unknown		
31180	CLUSTER	YES	93939.65		7.19	31.98	39.17	25470	Valve	6566.61	Valve	7558.44	36	0.312	52	0.2	0.06	16.36	3.96	5:51	335	934	673	649	0.50	1.08							1250	Unknown		
31191	MELO-CORR	YES	93966.43		33.97	5.2	39.17	25470	Valve	6593.39	Valve	7531.66	36	0.312	52	0.16	0.05	1.14	0.20	0.279861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31192	GirthWeld		93971.63		39.17	39.81	39.81	25480	Valve	6598.59	Valve	7526.46	36	0.312	52					0.122222	335			649									1250	Unknown		
31193	GirthWeld		94011.44		39.81	39.13	39.13	25490	Valve	6638.4	Valve	7486.65	36	0.312	52					0.072917	335			649									1250	Unknown		
31195	CLUSTER	YES	94020.44		9	30.13	39.13	25490	Valve	6647.4	Valve	7477.65	36	0.312	52	0.2	0.06	18.97	2.33	5:54	335	930	669	649	0.50	1.06							1250	Unknown		
31207	CLUSTER	YES	94022.67		11.23	27.89	39.13	25490	Valve	6649.63	Valve	7475.42	36	0.312	52	0.28	0.09	9.43	2.33	5:56	335	909	654	649	0.51	1.05							1250	Unknown		
31216	MELO-CORR	YES	94023.64		12.2	26.92	39.13	25490	Valve	6650.6	Valve	7474.45	36	0.312	52	0.21	0.07	1.18	0.16	0.247222	335	1066	768	649	0.44	1.18							1598	Metal Loss		
31217	MELO-CORR	YES	94035.63		24.19	14.94	39.13	25490	Valve	6662.59	Valve	7462.46	36	0.312	52	0.17	0.05	0.91	0.20	0.247222	335	1071	771	649	0.43	1.19							1598	Metal Loss		
31218	MELO-CORR	YES	94036.57		25.13	14	39.13	25490	Valve	6663.53	Valve	7461.52	36	0.312	52	0.15	0.05	1.26	0.39	0.260417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
31219	MELO-CORR	YES	94038.14		26.7	12.43	39.13	25490	Valve	6665.1	Valve	7459.95	36	0.312	52	0.19	0.06	1.18	0.24	5:57	335	1067	768	649	0.44	1.18							1598	Metal Loss		
31220	GirthWeld		94050.57		39.13	19.36	19.36	25500	Valve	6677.53	Valve	7447.52	36	0.312	52					10:00	335			649									1250	Unknown		
31221	MELO-CORR	YES	94059.53		8.96	10.4	19.36	25500	Valve	6686.49	Valve	7438.56	36	0.312	52	0.15	0.05	1.10	0.16	0.246528	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31223	CLUSTER	YES	94061.59		11.02	8.33	19.36	25500	Valve	6688.55	Valve	7436.5	36	0.312	52	0.2	0.06	13.60	2.17	0.245833	335	942	678	649	0.49	1.07							1250	Unknown		
31233	GirthWeld		94069.93		19.36	20.98	20.99	25510	Valve	6696.89	Valve	7428.16	36	0.312	52					0.459722	335			649									1250	Unknown		
31234	MELO-CORR	YES	94072.99		3.06	17.93	20.99	25510	Valve	6699.95	Valve	7425.1	36	0.312	52	0.16	0.05	2.13	0.67	5:56	335	1057	761	649	0.44	1.17							1598	Metal Loss		
31235	MELO-CORR	YES	94073.82		3.89	17.1	20.99	25510	Valve	6700.78	Valve	7424.27	36	0.312	52	0.26	0.08	2.48	0.75	5:54	335	1035	745	649	0.45	1.15							1598	Metal Loss		
31237	CLUSTER	YES	94079.04		9.11	11.88	20.99	25510	Valve	6706	Valve	7419.05	36	0.312	52	0.18	0.06	2.71	1.26	0.25	335	1045	752	649	0.45	1.16							1250	Unknown		
31240	CLUSTER	YES	94089.96		20.03	0.96	20.99	25510	Valve	6716.92	Valve	7408.13	36	0.312	52	0.2	0.06	9.54	4.02	0.242361	335	959	691	649	0.48	1.08							1250	Unknown		
31248	GirthWeld		94090.91		20.98	27.36	27.35	25520	Valve	6717.87	Valve	7407.18	36	0.312	52					0.519444	335			649									1250	Unknown		
31250	CLUSTER	YES	94091.12		0.21	27.14	27.35	25520	Valve	6718.08	Valve	7406.97	36	0.312	52	0.21	0.07	14.09	3.49	5:56	335	933	672	649	0.50	1.06							1250	Unknown		
31259	CLUSTER	YES	94092.42		1.51	25.84	27.35	25520	Valve	6719.38	Valve	7405.67	36	0.312	52	0.18	0.06	5.46	0.69	5:46	335	1005	723	649	0.46	1.12							1250	Unknown		
31262	CLUSTER	YES	94093.1		2.19	25.17	27.35	25520	Valve	6720.06	Valve	7404.99	36	0.312	52	0.22	0.07	14.24	3.17	0.2375	335	925	666	649	0.50	1.07							1250	Unknown		
31269	CLUSTER	YES	94094.46		3.55	23.81	27.35	25520	Valve	6721.42	Valve	7403.63	36	0.312	52	0.15	0.05	2.18	1.64	0.249306	335	1058	762	649	0.44	1.17							1250	Unknown		
31272	CLUSTER	YES	94096.23		5.32	22.03	27.35	25520	Valve	6723.19	Valve	7401.86	36	0.312	52	0.17	0.05	4.75	1.48	0.249306	335	1017	732	649	0.46	1.14							1250	Unknown		
31275	CLUSTER	YES	94097.06		6.15	21.2	27.35	25520	Valve	6724.02	Valve	7401.03	36	0.312	52	0.24	0.08	44.32	7.92	5:27	335	876	630	649	0.53	1.02							1250	Unknown		
31315	CLUSTER	YES	94116.07		25.16	2.2	27.35	25520	Valve	6743.03	Valve	7382.02	36	0.312	52	0.17	0.05	2.58	1.95	5:33	335	1049	755	649	0.44	1.17							1250	Unknown		
31317	GirthWeld		94118.27		27.36	23.55	23.55	25530	Valve	6745.23	Valve	7379.82	36	0.312	52					0.138194	335			649									1250	Unknown		
31318	AS_Sleeve		94119.61		1.34	22.21	23.55	25530	Valve	6746.57	Valve	7378.48	36	0.312	52						335			649									1789	Sleeve		
31319	AE_Sleeve		94124.66		6.39	17.16	23.55	25530	Valve	6751.62	Valve	7373.43	36	0.312	52						335			649									1789	Sleeve		
31321	CLUSTER	YES	94129.13		10.86	12.68	23.55	25530	Valve	6756.1	Valve	7368.96	36	0.312	52	0.19	0.06	6.14	2.64	5:54	335	993	715	649	0.47	1.12							1250	Unknown		
31326	CLUSTER	YES	94131.68		13.41	10.14	23.55	25530	Valve	6758.64	Valve	7366.41	36	0.312	52	0.3	0.09	18.86	7.10	5:49	335	853	614	649	0.55	1.06							1250	Unknown		
31345	MELO-CORR	YES	94136.91		18.64	4.91	23.55	25530	Valve	6763.87	Valve	7361.18	36	0.312	52	0.15	0.05	1.14	0.20	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31346	GirthWeld		94141.82		23.55	15.98	15.98	25540	Valve	6768.78	Valve	7356.27	36	0.312	52					0.115972	335			649									1250	Unknown		
31348	CLUSTER	YES	94146.63		4.81	11.16	15.98	25540	Valve	6773.59	Valve	7351.46	36	0.312	52	0.16	0.05	5.82	0.97	0.241667	335	1010	727	649	0.46	1.12							1250	Unknown		
31352	GirthWeld		94157.8		15.98	23.32	23.32	25550	Valve	6784.76	Valve	7340.29	36	0.312	52					1:44	335			649									1250	Unknown		
31353	MELO-CORR	YES	94161.12		3.32	20	23.32	25550	Valve	6788.08	Valve	7336.97	36	0.312	52	0.15	0.05	1.10	0.24	6:13	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31355	CLUSTER	YES	94164.39		6.59	16.73	23.32	25550	Valve	6791.35	Valve	7333.7	36	0.312	52	0.2	0.06	5.09	1.42	0.253472	335	1001	721	649	0.46	1.12							1250	Unknown		
31359	MELO-CORR	YES	94165.04		7.24	16.07	23.32	25550	Valve	6792	Valve	7333.05	36	0.312	52	0.15	0.05	1.14	0.20	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31360	GirthWeld		94181.12		23.32	30.68	30.68	25560	Valve	6808.08	Valve	7316.97	36	0.312	52					0.457639	335			649									1250	Unknown		
31362	CLUSTER	YES	94183.91		2.79	27.89	30.68	25560	Valve	6810.87	Valve	7314.18	36	0.312	52	0.18	0.06	6.89	4.68	5:48	335	990	713	649	0.47	1.12							1250	Unknown		
31370	CLUSTER	YES	94194.91		13.79	16.88	30.68	25560	Valve	6821.87	Valve	7303.18	36	0.312	52	0.18	0.06	3.82	1.54	5:58	335	1027	740	649	0.45	1.15							1250	Unknown		
31372	MIFE	n/a	94205.56		24.44	6.24	30.68	25560	Valve	6832.52	Valve	7292.53	36	0.312	52					0.111111	335			649									2167	Mill Anomaly		
31373	GirthWeld		94211.8		30.68	23.17	23.18	25570	Valve	6838.76	Valve	7286.29	36	0.312	52					0.526389	335			649									1250	Unknown		
31374	GirthWeld		94234.97		23.17	11.87	11.87	25580	Valve	6861.93	Valve	7263.12	36	0.312	52					0.163889	335			649									1250	Unknown		
31375	GirthWeld		94246.84		11.87	17.24	17.24	25590	Valve	6873.8	Valve	7251.25	36	0.312	52					2:08	335			649									1250	Unknown		
31376	GirthWeld		94264.08		17.24	22.2	22.2	25600	Valve	6891.04	Valve	7234.01	36	0.312	52					12:54	335			649									1250	Unknown		
31377	GirthWeld		94286.28		22.2	6.98	6.98	25610	Valve	6913.24	Valve	7211.81	36	0.312	52					0.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
31414	CLUSTER	YES	94491.91		11.7	24.03	35.73	25670	Valve	7118.87	Valve	7006.18	36	0.312	52	0.19	0.06	7.61	1.32	5:49	335	979	705	649	0.48	1.12							1250	Unknown		
31419	MELO-CORR	YES	94493.86		13.65	22.08	35.73	25670	Valve	7120.82	Valve	7004.23	36	0.312	52	0.15	0.05	1.14	0.35	6:24	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31421	CLUSTER	YES	94499.8		19.59	16.14	35.73	25670	Valve	7126.76	Valve	6998.29	36	0.312	52	0.18	0.06	7.38	2.23	0.238194	335	986	710	649	0.47	1.12							1250	Unknown		
31427	CLUSTER	YES	94512.57		32.36	3.37	35.73	25670	Valve	7139.53	Valve	6985.52	36	0.312	52	0.25	0.08	13.69	1.45	0.252083	335	906	652	649	0.51	1.09							1250	Unknown		
31436	MELO-CORR	YES	94513.86		33.65	2.08	35.73	25670	Valve	7140.82	Valve	6984.23	36	0.312	52	0.18	0.06	1.14	0.20	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
31438	CLUSTER	YES	94514.34		34.13	1.6	35.73	25670	Valve	7141.3	Valve	6983.75	36	0.312	52	0.16	0.05	4.08	1.10	6:06	335	1029	741	649	0.45	1.15							1250	Unknown		
31442	GirthWeld		94515.94		35.73	39.03	39.03	25680	Valve	7142.9	Valve	6982.15	36	0.312	52					3:22	335			649									1250	Unknown		
31444	CLUSTER	YES	94518.15		2.21	36.82	39.03	25680	Valve	7145.11	Valve	6979.94	36	0.312	52	0.23	0.07	8.05	2.33	0.252083	335	952	686	649	0.49	1.11							1250	Unknown		
31452	CLUSTER	YES	94526.74		10.8	28.23	39.03	25680	Valve	7153.7	Valve	6971.35	36	0.312	52	0.16	0.05	5.81	2.45	0.257639	335	1010	727	649	0.46	1.12							1250	Unknown		
31456	CLUSTER	YES	94542.6		26.65	12.37	39.03	25680	Valve	7169.56	Valve	6955.49	36	0.312	52	0.19	0.06	6.82	1.89	0.2625	335	986	710	649	0.47	1.12							1250	Unknown		
31460	MELO-CORR	YES	94548.08		32.14	6.89	39.03	25680	Valve	7175.04	Valve	6950.01	36	0.312	52	0.16	0.05	1.10	0.20	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31461	GirthWeld		94554.97		39.03	39.75	39.75	25690	Valve	7181.93	Valve	6943.12	36	0.312	52					1:54	335			649									1250	Unknown		
31462	MELO-CORR	YES	94558.85		3.88	35.88	39.75	25690	Valve	7185.81	Valve	6939.24	36	0.312	52	0.2	0.06	1.14	0.16	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
31464	CLUSTER	YES	94563.93		8.96	30.79	39.75	25690	Valve	7190.89	Valve	6934.16	36	0.312	52	0.19	0.06	14.11	7.57	0.2375	335	947	682	649	0.49	1.08							1250	Unknown		
31476	GirthWeld		94594.72		39.75	39.83	39.83	25700	Valve	7221.68	Valve	6903.37	36	0.312	52					0.481944	335			649									1250	Unknown		
31478	CLUSTER	YES	94607.33		12.61	27.22	39.83	25700	Valve	7234.29	Valve	6890.76	36	0.312	52	0.16	0.05	11.75	4.12	5:49	335	975	702	649	0.48	1.10							1250	Unknown		
31490	CLUSTER	YES	94614.34		19.62	20.21	39.83	25700	Valve	7241.3	Valve	6883.75	36	0.312	52	0.18	0.06	7.86	1.32	5:42	335	982	707	649	0.47	1.12							1250	Unknown		
31493	GirthWeld		94634.55		39.83	36.8	36.8	25710	Valve	7261.51	Valve	6863.54	36	0.312	52					0.531944	335			649									1250	Unknown		
31495	CLUSTER	YES	94641.12		6.57	30.23	36.8	25710	Valve	7268.08	Valve	6856.97	36	0.312	52	0.16	0.05	4.02	0.66	0.257639	335	1030	742	649	0.45	1.15							1250	Unknown		
31498	CLUSTER	YES	94655.96		21.41	15.39	36.8	25710	Valve	7282.92	Valve	6842.13	36	0.312	52	0.23	0.07	4.52	2.99	0.246528	335	998	719	649	0.47	1.14							1250	Unknown		
31501	GirthWeld		94671.35		36.8	35.86	35.87	25720	Valve	7298.31	Valve	6826.74	36	0.312	52					2:36	335			649									1250	Unknown		
31503	CLUSTER	YES	94681.43		10.08	25.78	35.87	25720	Valve	7308.39	Valve	6816.66	36	0.312	52	0.17	0.05	10.01	1.10	6:10	335	975	702	649	0.48	1.10							1250	Unknown		
31508	MELO-CORR	YES	94705.51		34.16	1.7	35.87	25720	Valve	7332.47	Valve	6792.58	36	0.312	52	0.17	0.05	1.10	0.16	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31509	GirthWeld		94707.21		35.86	39.77	39.76	25730	Valve	7334.17	Valve	6790.88	36	0.312	52					0.16875	335			649									1250	Unknown		
31511	CLUSTER	YES	94708		0.79	38.98	39.76	25730	Valve	7334.96	Valve	6790.09	36	0.312	52	0.17	0.05	2.24	1.16	0.254167	335	1054	759	649	0.44	1.17							1250	Unknown		
31514	CLUSTER	YES	94709.61		2.4	37.36	39.76	25730	Valve	7336.57	Valve	6788.48	36	0.312	52	0.17	0.05	4.44	0.54	5:51	335	1021	735	649	0.46	1.14							1250	Unknown		
31517	CLUSTER	YES	94710.29		3.07	36.69	39.76	25730	Valve	7337.25	Valve	6787.8	36	0.312	52	0.17	0.05	2.72	1.86	5:44	335	1047	754	649	0.44	1.17							1250	Unknown		
31520	CLUSTER	YES	94710.61		3.4	36.37	39.76	25730	Valve	7337.57	Valve	6787.48	36	0.312	52	0.25	0.08	15.19	4.43	0.240278	335	901	648	649	0.52	1.07							1250	Unknown		
31528	CLUSTER	YES	94711.09		3.88	35.89	39.76	25730	Valve	7338.05	Valve	6787	36	0.312	52	0.17	0.05	3.19	0.44	0.257639	335	1039	748	649	0.45	1.16							1250	Unknown		
31537	MELO-CORR	YES	94711.97		4.76	35	39.76	25730	Valve	7338.93	Valve	6786.12	36	0.312	52	0.23	0.07	1.22	0.24	0.245833	335	1065	766	649	0.44	1.18							1598	Metal Loss		
31539	CLUSTER	YES	94712.22		5.01	34.76	39.76	25730	Valve	7339.18	Valve	6785.87	36	0.312	52	0.29	0.09	11.24	3.02	5:53	335	889	640	649	0.52	1.04							1250	Unknown		
31548	MELO-CORR	YES	94713.43		6.21	33.55	39.76	25730	Valve	7340.39	Valve	6784.66	36	0.312	52	0.19	0.06	1.10	0.16	5:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
31550	CLUSTER	YES	94714.69		7.48	32.29	39.76	25730	Valve	7341.65	Valve	6783.4	36	0.312	52	0.2	0.06	3.32	1.54	0.240278	335	1030	742	649	0.45	1.15							1250	Unknown		
31554	CLUSTER	YES	94715.75		8.54	31.23	39.76	25730	Valve	7342.71	Valve	6782.34	36	0.312	52	0.16	0.05	7.74	4.87	0.238194	335	994	716	649	0.47	1.10							1250	Unknown		
31562	CLUSTER	YES	94717.73		10.52	29.24	39.76	25730	Valve	7344.69	Valve	6780.36	36	0.312	52	0.15	0.05	25.36	2.99	0.245139	335	962	692	649	0.48	1.08							1250	Unknown		
31585	CLUSTER	YES	94721.35		14.14	25.63	39.76	25730	Valve	7348.31	Valve	6776.74	36	0.312	52	0.18	0.06	10.31	3.74	5:46	335	968	697	649	0.48	1.09							1250	Unknown		
31593	MELO-CORR	YES	94722.37		15.16	24.6	39.76	25730	Valve	7349.33	Valve	6775.72	36	0.312	52	0.15	0.05	0.87	0.39	5:54	335	1072	772	649	0.43	1.19							1598	Metal Loss		
31595	CLUSTER	YES	94722.75		15.54	24.23	39.76	25730	Valve	7349.71	Valve	6775.34	36	0.312	52	0.15	0.05	10.93	2.80	0.245139	335	984	709	649	0.47	1.10							1250	Unknown		
31604	CLUSTER	YES	94727.69		20.48	19.28	39.76	25730	Valve	7354.65	Valve	6770.4	36	0.312	52	0.15	0.05	7.75	1.35	0.254167	335	999	720	649	0.47	1.12							1250	Unknown		
31608	MELO-CORR	YES	94730.66		23.45	16.31	39.76	25730	Valve	7357.62	Valve	6767.43	36	0.312	52	0.15	0.05	1.10	0.20	0.247917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31610	CLUSTER	YES	94732.67		25.46	14.31	39.76	25730	Valve	7359.63	Valve	6765.42	36	0.312	52	0.16	0.05	3.78	1.10	6:05	335	1034	744	649	0.45	1.15							1250	Unknown		
31614	CLUSTER	YES	94734.67		27.46	12.31	39.76	25730	Valve	7361.63	Valve	6763.42	36	0.312	52	0.16	0.05	8.96	2.83	5:55	335	987	710	649	0.47	1.10							1250	Unknown		
31620	MELO-CORR	YES	94736.93		29.72	10.05	39.76	25730	Valve	7363.89	Valve	6761.16	36	0.312	52	0.18	0.06	1.10	0.24	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
31622	CLUSTER	YES	94737.21		30	9.77	39.76	25730	Valve	7364.17	Valve	6760.88	36	0.312	52	0.33	0.10	11.62	2.80	0.246528	335	858	618	649	0.54	1.04							1250	Unknown		
31633	CLUSTER	YES	94740.65		33.44	6.33	39.76	25730	Valve	7367.61	Valve	6757.44	36	0.312	52	0.23	0.07	8.21	2.45	0.246528	335	951	685	649	0.49	1.08							1250	Unknown		
31638	CLUSTER	YES	94742.48		35.27	4.5	39.76	25730	Valve	7369.44	Valve	6755.61	36	0.312	52	0.17	0.05	2.72	2.29	5:57	335	1047	754	649	0.44	1.16							1250	Unknown		
31643	CLUSTER	YES	94743.46		36.25	3.52	39.76	25730	Valve	7370.42	Valve	6754.63	36	0.312	52	0.18	0.06	10.13	2.55	5:56	335	969	697	649	0.48	1.10							1250	Unknown		
31652	GirthWeld		94746.98		39.77	39.85	39.85	25740	Valve	7373.94	Valve	6751.11	36	0.312	52					0.486111	335			649									1250	Unknown		
31653	GirthWeld		94786.83		39.85	39.83	39.83	25750	Valve	7413.79	Valve	6711.26	36	0.312	52					0.448611	335			649									1250	Unknown		
31654	GirthWeld		94826.66		39.83	39.83	39.83	25760	Valve	7453.62	Valve	6671.43	36	0.312	52					0.373611	335			649									1250	Unknown		
31655	GirthWeld		94866.49		39.83	39.72	39.72	25770	Valve	7493.45	Valve	6631.6	36	0.312	52					10:36	335			649									1250	Unknown		
31656	GirthWeld		94906.21		39.72	39.05	39.05	25780	Valve	7533.17	Valve	6591.88	36	0.312	52					12:32	335			649									1250	Unknown		
31657	GirthWeld		94945.26		39.05	39.88	39.88	25790	Valve	7572.22	Valve	6552.83	36	0.312	52					0.477778	335			649									1250	Unknown		
31658	GirthWeld		94985.14		39.88	38.77	38.77	25800	Valve	7612.1	Valve	6512.95	36	0.312	52					0.415278	335			649									1250	Unknown		
31659	GirthWeld		95023.91		38.77	11.45	11.45	25810	Valve	7650.87	Valve	6474.18	36	0.312	52					0.455556	335			649									1250	Unknown		
31660	GirthWeld		95035.36		11.45	25.8	25.8	25820	Valve	7662.32	Valve	6462.73	36	0.312	52					11:42	335			649									1250	Unknown		
31661	GirthWeld		95061.16		25.8	39.59	39.59	25830	Valve	7688.12	Valve	6436.93	36	0.312	52					2:02	335			649									1250	Unknown		
31662	MELO-CORR	YES	95087.38		26.21	13.37	39.59	25830	Valve	7714.34	Valve	6410.71	36	0.312	52	0.15	0.05	1.10	0.20	0.245833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31663	GirthWeld		95100.75		39.59	10.95	10.96	25840	Valve	7727.71	Valve	6397.34	36	0.312	52					0.488889	335			649									1250	Unknown		
31664	GirthWeld		95111.7		10.95	16.13	16.13	25850	Valve	7738.66	Valve	6386.39	36	0.312	52					0.091667	335			649									1250	Unknown		
31665	GirthWeld		95127.83		16.13	13.08	13.08	25860	Valve	7754.79	Valve	6370.26	36	0.312	52					1:00	335			649									1250	Unknown		
31666	GirthWeld		95140.91		13.08	23.38	23.38	25870	Valve	7767.87	Valve	6357.18	36	0.312	52					10:44	335			649									1250	Unknown		
31667	GirthWeld		95164.29		23.38	39.97	39.97	25880	Valve	7791.25	Valve	6333.8	36	0.312	52					0.043056	335			649									1250	Unknown		
31668	GirthWeld		95204.26		39.97	39.18	39.18	25890	Valve	7831.22	Valve	6293.83	36	0.312	52					0.125	335			649									1250	Unknown		
31669	GirthWeld		95243.44		39.18	39.81	39.81	25900	Valve	7870.4	Valve	6254.65	36	0.312	52					0.4875	335			649									1250	Unknown		
31670	GirthWeld		95283.25		39.81	39.8	39.8	25910	Valve	7910.21	Valve	6214.84	36	0.312	52					2:42	335			649									1250	Unknown		
31671	GirthWeld		95323.05		39.8	39.32	39.32	25920	Valve	7950.01	Valve	6175.04	36	0.312	52					1:04	335			649									1250	Unknown		
31672	GirthWeld		95362.37		39.32	39.83	39.84	25930	Valve	7989.33	Valve	6135.72	36	0.312	52					0.465278	335			649									1250	Unknown		
31673	GirthWeld		95402.2		39.83	39.85	39.85	25940	Valve	8029.16	Valve	6095.89	36	0.312	52					0.506944	335			649									1250	Unknown		
31674	GirthWeld		95442.05		39.85	38.84	38.84	25950	Valve	8069.01	Valve	6056.04	36	0.312	52					0.0625	335			649									1250	Unknown		
31675	GirthWeld		95480.89		38.84	39.67	39.66	25960	Valve	8107.85	Valve	6017.2	36	0.312	52					3:28	335			649									1250	Unknown		
31676	GirthWeld		95520.56		39.67	17.98	17.99	25970	Valve	8147.52	Valve	5977.53	36	0.312	52					11:44	335			649									1250	Unknown		
31677	GirthWeld		95538.54		17.99	39.73	39.73	25980	Valve	8165.51	Valve	5959.54	36	0.312	52					0.086111	335			649									1250	Unknown		
31678	GirthWeld		95578.27		39.73	39.68	39.67	25990	Valve	8205.23	Valve	5919.82	36	0.312	52					0.1125	335			649									1250	Unknown		
31679	GirthWeld		95617.95		39.68	39.28	39.28	26000	Valve	8244.91	Valve	5880.14	36	0.312	52					0.395833	335			649									1250	Unknown		
31681	CLUSTER	YES	95624.32		6.37	32.91	39.28	26000	Valve	8251.28	Valve	5873.77	36	0.312	52	0.21	0.07	1.85	1.10	6:13	335	1056	760	649	0.44	1.17							1250	Unknown		
31685	CLUSTER	YES	95630.06		12.11	27.17	39.28	26000	Valve	8257.02	Valve	5868.03	36	0.312	52	0.19	0.06	3.98	0.57	5:45	335	1022	736	649	0.46	1.14							1250	Unknown		
31687	GirthWeld		95657.23		39.28	39.82	39.82	26010	Valve	8284.19	Valve	5840.86	36	0.312	52					0.430556	335			649									1250	Unknown		
31688	MELO-CORR	YES	95663.96		6.73	33.09	39.82	26010	Valve	8290.92	Valve	5834.13	36	0.312	52	0.16	0.05	2.72	0.59	0.264583	335	1049	755	649	0.44	1.16							1598	Metal Loss		
31690	CLUSTER	YES	95680.87		23.64	16.18	39.82	26010	Valve	8307.83	Valve	5817.22	36	0.312	52	0.15	0.05	5.32	0.76	0.256944	335	1019	734	649	0.46	1.13							1250	Unknown		
31694	CLUSTER	YES	95688.02		30.79	9.03	39.82	26010	Valve	8314.98	Valve	5810.07	36	0.312	52	0.18	0.06	6.41	0.63	6:21	335	995	716	649	0.47	1.13							1250	Unknown		
31698	CLUSTER	YES	95695.24		38.01	1.81	39.82	26010	Valve	8322.2	Valve	5802.85	36	0.312	52	0.17	0.05	1.30	0.63	5:41	335	1067	768	649	0.44	1.18							1250	Unknown		
31700	GirthWeld		95697.05		39.82	20.99	20.99	26020	Valve	8324.01	Valve	5801.04	36	0.312	52					0.272222	335			649									1250	Unknown		
31701	MELO-CORR	YES	95697.68		0.63	20.36	20.99	26020	Valve	8324.64	Valve	5800.41	36	0.312	52	0.2	0.06	1.10	0.16	0.238194	335	1068	769	649	0.44	1.18							1598	Metal Loss		
31703	CLUSTER	YES	95698.48		1.43	19.56	20.99	26020	Valve	8325.44	Valve	5799.61	36	0.312	52	0.22	0.07	14.36	2.14	0.234722	335	925	666	649	0.50	1.09							1250	Unknown		
31708	CLUSTER	YES	95699.15		2.1	18.89	20.99	26020	Valve	8326.12	Valve	5798.93	36	0.312	52	0.18	0.06	5.68	1.86	6:16	335	1002	722	649	0.46	1.13						near seam weld	1250	Unknown		
31714	CLUSTER	YES	95699.9		2.85	18.14	20.99	26020	Valve	8326.86	Valve	5798.19	36	0.312	52	0.21	0.07	7.91	1.07	6:23	335	965	695	649	0.48	1.10						near seam weld	1250	Unknown		
31719	CLUSTER	YES	95701.74		4.69	16.3	20.99	26020	Valve	8328.7	Valve	5796.35	36	0.312	52	0.26	0.08	13.19	1.67	0.263194	335	900	648	649	0.52	1.06						near seam weld	1250	Unknown		
31725	CLUSTER	YES	95703.69		6.64	14.35	20.99	26020	Valve	8330.65	Valve	5794.4	36	0.312	52	0.27	0.08	9.95	1.51	0.2625	335	912	656	649	0.51	1.08						near seam weld	1250	Unknown		
31731	CLUSTER	YES	95705.96		8.91	12.09	20.99	26020	Valve	8332.92	Valve	5792.13	36	0.312	52	0.19	0.06	11.93	1.01	0.236111	335	954	687	649	0.49	1.08							1250	Unknown		
31739	CLUSTER	YES	95706.67		9.62	11.37	20.99	26020	Valve	8333.63	Valve	5791.42	36	0.312	52	0.19	0.06	21.36	2.17	6:11	335	934	673	649	0.50	1.07						near seam weld	1250	Unknown		
31752	CLUSTER	YES	95708.78		11.73	9.26	20.99	26020	Valve	8335.74	Valve	5789.31	36	0.312	52	0.16	0.05	8.93	1.51	5:39	335	987	711	649	0.47	1.10							1250	Unknown		
31757	CLUSTER	YES	95712.3		15.25	5.74	20.99	26020	Valve	8339.26	Valve	5785.79	36	0.312	52	0.15	0.05	7.00	0.79	0.2375	335	1004	723	649	0.46	1.12							1250	Unknown		
31761	CLUSTER	YES	95714.29		17.24	3.75	20.99	26020	Valve	8341.25	Valve	5783.8	36	0.312	52	0.16	0.05	5.58	1.01	0.239583	335	1012	729	649	0.46	1.13							1250	Unknown		
31764	GirthWeld		95718.04		20.99	38.67	38.67	26030	Valve	8345	Valve	5780.05	36	0.312	52					0.351389	335			649									1250	Unknown		
31766	CLUSTER	YES	95719.65		1.61	37.06	38.67	26030	Valve	8346.61	Valve	5778.44	36	0.312	52	0.19	0.06	6.44	1.01	6:06	335	989	712	649	0.47	1.12							1250	Unknown		
31770	CLUSTER	YES	95719.93		1.89	36.78	38.67	26030	Valve	8346.89	Valve	5778.16	36	0.312	52	0.15	0.05	9.40	2.36	6:23	335	990	713	649	0.47	1.10							1250	Unknown		
31777	CLUSTER	YES	95721.42		3.38	35.29	38.67	26030	Valve	8348.38	Valve	5776.67	36	0.312	52	0.17	0.05	3.35	2.36	0.232639	335	1037	747	649	0.45	1.16							1250	Unknown		
31780	MELO-CORR	YES	95722.37		4.33	34.34	38.67	26030	Valve	8349.33	Valve	5775.72	36	0.312	52	0.15	0.05	1.10	0.20	0.272222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
31782	CLUSTER	YES	95723.16		5.12	33.55	38.67	26030	Valve	8350.12	Valve	5774.93	36	0.312	52	0.21	0.07	25.00	3.33	0.252778	335	915	659	649	0.51	1.07							1250	Unknown		
31800	CLUSTER	YES	95725.22		7.18	31.49	38.67	26030	Valve	8352.18	Valve	5772.87	36	0.312	52	0.23	0.07	26.64	6.32	5:43	335	898	646	649	0.52	1.07							1250	Unknown		
31820	CLUSTER	YES	95726.89		8.85	29.82	38.67	26030	Valve	8353.85	Valve	5771.2	36	0.312	52	0.15	0.05	5.02	1.42	6:08	335	1022	736	649	0.46	1.14							1250	Unknown		
31828	CLUSTER	YES	95727.4		9.36	29.31	38.67	26030	Valve	8354.36	Valve	5770.69	36	0.312	52	0.19	0.06	4.50	1.38	0.25625	335	1014	730	649	0.46	1.14							1250	Unknown		
31832	CLUSTER	YES	95727.9		9.86	28.81	38.67	26030	Valve	8354.86	Valve	5770.19	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
31908	CLUSTER	YES	95781.98		25.27	14.68	39.94	26040	Valve	8408.94	Valve	5716.11	36	0.312	52	0.15	0.05	9.12	2.36	6:09	335	992	714	649	0.47	1.11							1250	Unknown		
31913	CLUSTER	YES	95782.46		25.75	14.19	39.94	26040	Valve	8409.42	Valve	5715.63	36	0.312	52	0.25	0.08	5.26	0.79	5:49	335	977	703	649	0.48	1.09							1250	Unknown		
31919	CLUSTER	YES	95783.94		27.23	12.71	39.94	26040	Valve	8410.9	Valve	5714.15	36	0.312	52	0.21	0.07	5.20	0.79	0.243056	335	996	717	649	0.47	1.13							1250	Unknown		
31922	MELO-CORR	YES	95785.06		28.35	11.59	39.94	26040	Valve	8412.02	Valve	5713.03	36	0.312	52	0.26	0.08	1.18	0.39	0.236806	335	1064	766	649	0.44	1.18							1598	Metal Loss		
31923	MELO-CORR	YES	95789.83		33.12	6.82	39.94	26040	Valve	8416.79	Valve	5708.26	36	0.312	52	0.16	0.05	1.10	0.20	0.234722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31924	MELO-CORR	YES	95790.21		33.5	6.45	39.94	26040	Valve	8417.17	Valve	5707.88	36	0.312	52	0.17	0.05	1.10	0.20	6:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
31925	GirthWeld		95796.65		39.94	39.25	39.25	26050	Valve	8423.61	Valve	5701.44	36	0.312	52					12:34	335			649									1250	Unknown		
31926	GirthWeld		95835.9		39.25	39.84	39.84	26060	Valve	8462.86	Valve	5662.19	36	0.312	52					0.431944	335			649									1250	Unknown		
31927	GirthWeld		95875.74		39.84	39.09	39.09	26070	Valve	8502.7	Valve	5622.35	36	0.312	52					0.484722	335			649									1250	Unknown		
31928	GirthWeld		95914.83		39.09	39.88	39.88	26080	Valve	8541.79	Valve	5583.26	36	0.312	52					0.123611	335			649									1250	Unknown		
31929	GirthWeld		95954.71		39.88	39.78	39.78	26090	Valve	8581.67	Valve	5543.38	36	0.312	52					1:00	335			649									1250	Unknown		
31930	GirthWeld		95994.49		39.78	39.29	39.29	26100	Valve	8621.45	Valve	5503.6	36	0.312	52					11:24	335			649									1250	Unknown		
31931	GirthWeld		96033.78		39.29	39.81	39.82	26110	Valve	8660.74	Valve	5464.31	36	0.312	52					0.444444	335			649									1250	Unknown		
31932	GirthWeld		96073.59		39.81	29.95	29.95	26120	Valve	8700.55	Valve	5424.5	36	0.312	52					0.533333	335			649									1250	Unknown		
31934	CLUSTER	YES	96073.81		0.22	29.74	29.95	26120	Valve	8700.77	Valve	5424.28	36	0.312	52	0.31	0.10	9.44	1.23	0.245833	335	889	640	649	0.52	1.07							1250	Unknown		
31939	CLUSTER	YES	96080.74		7.15	22.8	29.95	26120	Valve	8707.7	Valve	5417.35	36	0.312	52	0.28	0.09	15.92	3.83	5:48	335	876	631	649	0.53	1.04							1250	Unknown		
31953	CLUSTER	YES	96092.54		18.95	11	29.95	26120	Valve	8719.5	Valve	5405.55	36	0.312	52	0.27	0.08	15.16	3.55	5:58	335	886	638	649	0.53	1.05							1250	Unknown		
31962	GirthWeld		96103.54		29.96	39.73	39.72	26130	Valve	8730.51	Valve	5394.54	36	0.312	52					0.081944	335			649									1250	Unknown		
31964	CLUSTER	YES	96109.86		6.32	33.41	39.72	26130	Valve	8736.82	Valve	5388.23	36	0.312	52	0.18	0.06	5.78	1.82	0.246528	335	1001	721	649	0.46	1.13							1250	Unknown		
31968	MELO-CORR	YES	96110.49		6.95	32.78	39.72	26130	Valve	8737.45	Valve	5387.6	36	0.312	52	0.24	0.08	1.22	0.16	0.247917	335	1064	766	649	0.44	1.18							1598	Metal Loss		
31970	CLUSTER	YES	96111.35		7.81	31.92	39.72	26130	Valve	8738.31	Valve	5386.74	36	0.312	52	0.24	0.08	16.19	1.54	5:56	335	905	652	649	0.51	1.06							1250	Unknown		
31979	CLUSTER	YES	96115.45		11.91	27.82	39.72	26130	Valve	8742.41	Valve	5382.64	36	0.312	52	0.26	0.08	7.74	4.90	5:40	335	938	675	649	0.50	1.09							1250	Unknown		
31984	AS_Sleeve		96116.87		13.33	26.4	39.72	26130	Valve	8743.83	Valve	5381.22	36	0.312	52						335			649									1789	Sleeve		
31985	AE_Sleeve		96123.63		20.09	19.64	39.72	26130	Valve	8750.59	Valve	5374.46	36	0.312	52						335			649									1789	Sleeve		
31987	CLUSTER	YES	96127.96		24.43	15.3	39.72	26130	Valve	8754.93	Valve	5370.13	36	0.312	52	0.15	0.05	3.28	0.72	0.216667	335	1043	751	649	0.45	1.16							1250	Unknown		
31990	CLUSTER	YES	96129.97		26.43	13.3	39.72	26130	Valve	8756.93	Valve	5368.12	36	0.312	52	0.16	0.05	3.43	1.04	5:09	335	1038	748	649	0.45	1.16							1250	Unknown		
31993	CLUSTER	YES	96130.87		27.33	12.4	39.72	26130	Valve	8757.83	Valve	5367.22	36	0.312	52	0.15	0.05	4.13	1.54	5:33	335	1032	743	649	0.45	1.15							1250	Unknown		
31996	MELO-CORR	YES	96131.41		27.87	11.86	39.72	26130	Valve	8758.37	Valve	5366.68	36	0.312	52	0.24	0.08	1.61	0.32	0.213889	335	1057	761	649	0.44	1.17							1598	Metal Loss		
31997	MELO-CORR	YES	96132.78		29.24	10.49	39.72	26130	Valve	8759.74	Valve	5365.31	36	0.312	52	0.21	0.07	1.22	0.55	0.230556	335	1066	767	649	0.44	1.18							1598	Metal Loss		
31999	CLUSTER	YES	96133.01		29.47	10.26	39.72	26130	Valve	8759.97	Valve	5365.08	36	0.312	52	0.32	0.10	12.70	4.87	0.211806	335	859	619	649	0.54	1.07							1250	Unknown		
32005	CLUSTER	YES	96133.33		29.79	9.94	39.72	26130	Valve	8760.29	Valve	5364.76	36	0.312	52	0.26	0.08	5.72	3.58	5:51	335	965	695	649	0.48	1.09							1250	Unknown		
32015	MELO-CORR	YES	96134.58		31.04	8.69	39.72	26130	Valve	8761.54	Valve	5363.51	36	0.312	52	0.2	0.06	1.02	0.63	5:04	335	1069	769	649	0.44	1.19							1598	Metal Loss		
32017	CLUSTER	YES	96134.97		31.43	8.3	39.72	26130	Valve	8761.93	Valve	5363.12	36	0.312	52	0.23	0.07	8.50	0.85	0.215278	335	948	683	649	0.49	1.11							1250	Unknown		
32018	MELO-CORR	YES	96135.04		31.5	8.23	39.72	26130	Valve	8762	Valve	5363.05	36	0.312	52	0.16	0.05	0.91	0.39	0.229167	335	1071	771	649	0.43	1.19							1598	Metal Loss		
32023	CLUSTER	YES	96136.52		32.98	6.75	39.72	26130	Valve	8763.48	Valve	5361.57	36	0.312	52	0.45	0.14	14.22	2.33	0.247222	335	749	540	649	0.62	0.87							1250	Unknown		
32035	CLUSTER	YES	96137.99		34.45	5.28	39.72	26130	Valve	8764.95	Valve	5360.1	36	0.312	52	0.16	0.05	1.98	0.91	5:20	335	1059	763	649	0.44	1.18							1250	Unknown		
32038	CLUSTER	YES	96139.71		36.17	3.56	39.72	26130	Valve	8766.67	Valve	5358.38	36	0.312	52	0.34	0.11	10.80	1.16	5:57	335	857	617	649	0.54	0.95							1250	Unknown		
32043	CLUSTER	YES	96140.79		37.25	2.48	39.72	26130	Valve	8767.75	Valve	5357.3	36	0.312	52	0.21	0.07	6.43	0.79	0.249306	335	980	705	649	0.47	1.10							1250	Unknown		
32046	CLUSTER	YES	96141.55		38.01	1.71	39.72	26130	Valve	8768.51	Valve	5356.54	36	0.312	52	0.16	0.05	2.95	2.11	0.248611	335	1045	753	649	0.45	1.16							1250	Unknown		
32050	MELO-CORR	YES	96141.93		38.39	1.34	39.72	26130	Valve	8768.89	Valve	5356.16	36	0.312	52	0.27	0.08	1.10	0.39	0.25	335	1064	766	649	0.44	1.18							1598	Metal Loss		
32051	GirthWeld		96143.27		39.73	26.41	26.41	26140	Valve	8770.23	Valve	5354.82	36	0.312	52					11:16	335			649									1250	Unknown		
32053	CLUSTER	YES	96143.53		0.26	26.14	26.41	26140	Valve	8770.49	Valve	5354.56	36	0.312	52	0.29	0.09	12.84	4.71	5:44	335	880	634	649	0.53	1.05							1250	Unknown		
32067	CLUSTER	YES	96145.07		1.8	24.6	26.41	26140	Valve	8772.03	Valve	5353.02	36	0.312	52	0.23	0.07	7.73	1.29	0.245833	335	955	688	649	0.49	1.09							1250	Unknown		
32072	CLUSTER	YES	96146.6		3.33	23.07	26.41	26140	Valve	8773.56	Valve	5351.49	36	0.312	52	0.24	0.08	5.57	0.82	0.249306	335	977	703	649	0.48	1.13							1250	Unknown		
32077	CLUSTER	YES	96147.41		4.14	22.27	26.41	26140	Valve	8774.37	Valve	5350.68	36	0.312	52	0.22	0.07	16.82	2.99	0.245139	335	919	661	649	0.51	1.07							1250	Unknown		
32089	CLUSTER	YES	96161.36		18.09	8.32	26.41	26140	Valve	8788.32	Valve	5336.73	36	0.312	52	0.17	0.05	6.20	0.44	6:12	335	1001	721	649	0.46	1.11							1250	Unknown		
32092	CLUSTER	YES	96161.98		18.71	7.7	26.41	26140	Valve	8788.94	Valve	5336.11	36	0.312	52	0.17	0.05	6.34	1.01	6:06	335	1000	720	649	0.47	1.11							1250	Unknown		
32097	CLUSTER	YES	96168.12		24.85	1.56	26.41	26140	Valve	8795.08	Valve	5329.97	36	0.312	52	0.26	0.08	15.41	6.10	0.235417	335	892	643	649	0.52	1.06							1250	Unknown		
32116	GirthWeld		96169.68		26.41	39.87	39.87	26150	Valve	8796.64	Valve	5328.41	36	0.312	52					0.418056	335			649									1250	Unknown		
32118	CLUSTER	YES	96169.92		0.24	39.63	39.87	26150	Valve	8796.88	Valve	5328.17	36	0.312	52	0.18	0.06	5.58	4.40	0.241667	335	1003	722	649	0.46	1.12							1250	Unknown		
32127	CLUSTER	YES	96172.99		3.31	36.56	39.87	26150	Valve	8799.95	Valve	5325.1	36	0.312	52	0.16	0.05	21.40	2.48	5:48	335	957	689	649	0.49	1.08							1250	Unknown		
32136	CLUSTER	YES	96175.01		5.33	34.54	39.87	26150	Valve	8801.97	Valve	5323.08	36	0.312	52	0.17	0.05	4.64	1.13	5:52	335	1019	734	649	0.46	1.14							1250	Unknown		
32139	CLUSTER	YES	96175.61		5.93	33.94	39.87	26150	Valve	8802.57	Valve	5322.48	36	0.312	52	0.24	0.08	16.30	4.21	0.240278	335	905	652	649	0.51	1.07							1250	Unknown		
32156	CLUSTER	YES	96185.65		15.97	23.9	39.87	26150	Valve	8812.61	Valve	5312.44	36	0.312	52	0.15	0.05	1.81	1.38	0.252083	335	1062	765	649	0.44	1.18							1250	Unknown		
32159	CLUSTER	YES	96195.68		26.01	13.86	39.87	26150	Valve	8822.65	Valve	5302.4	36	0.312	52	0.15	0.05	12.20	4.40	0.243056	335	980	706	649	0.47	1.10							1250	Unknown		
32171	GirthWeld		96209.55		39.87	23.4	23.4	26160	Valve	8836.51	Valve	5288.54	36	0.312	52					1:08	335			649									1250	Unknown		
32173	CLUSTER	YES	96209.86		0.31	23.09	23.4	26160	Valve	8836.82	Valve	5288.23	36	0.312	52	0.16	0.05	5.96	1.42	5:45	335	1009	726	649	0.46	1.12							1250	Unknown		
32175	MELO-CORR	YES	96218.33		8.78	14.63	23.4	26160	Valve	8845.29	Valve	5279.76	36	0.312	52	0.17	0.05	1.02	0.67	0.234722	335	1070	770	649	0.43	1.19							1598	Metal Loss		
32177	CLUSTER	YES	96219.15		9.6	13.8	23.4	26160	Valve	8846.11	Valve	5278.94	36	0.312	52	0.15	0.05	2.82	1.04	0.234722	335	1049	755	649	0.44	1.16							1250	Unknown		
32179	GirthWeld		96232.95		23.4	16.06	16.06	26170	Valve	8859.91	Valve	5265.14	36	0.312	52					0.135417	335			649									1250	Unknown		
32181	CLUSTER	YES	96233.47		0.52	15.54	16.06	26170	Valve	8860.43	Valve	5264.62	36	0.312	52	0.23	0.07	1.84	1.07	5:58	335	1053	758	649	0.44	1.17							1250	Unknown		
32183	GirthWeld		96249.01		16.06	37.33	37.33	26180	Valve	8875.97	Valve	5249.08	36	0.312	52					10:36	335			649									1250	Unknown		
32184	GirthWeld		96286.34		37.33	33.26	33.26	26190	Valve	8913.3	Valve	5211.75	36	0.312	52					0.395833	335			649									1250	Unknown		
32185	GirthWeld		96319.6		33.26	39.71	39.71	26200	Valve	8946.56	Valve	5178.49	36	0.312	52					0.076389	335			649									1250	Unknown		
32186	GirthWeld		96359.3		39.7	40.08	40.08	26210	Valve	8986.26	Valve	5138.79	36	0.312	52					0.108333	335			649									1250	Unknown		
32188	CLUSTER	YES	96359.98		0.68	39.41	40.08	26210	Valve	8986.94	Valve	5138.11	36	0.312	52	0.15	0.05	11.17	0.69	5:50	335	983	708	649	0.47	1.10							1250	Unknown		
32192	CLUSTER	YES	96366.22		6.92	33.17	40.08	26210	Valve	8993.18	Valve	5131.87	36	0.312	52	0.16	0.05	6.76	0.60	5:47	335	1001	721	649	0.46	1.12							1250	Unknown		
32196	CLUSTER	YES	96367.09		7.79	32.3	40.08	26210	Valve	8994.05	Valve	5131	36	0.312	52	0.15	0.05	7.36	1.20	0.222222	335	1002	721	649	0.46	1.12							1250	Unknown		
32200	MELO-CORR	YES	96369.46		10.16	29.92	40.08	26210	Valve	8996.42	Valve	5128.63	36	0.312	52	0.16	0.05	1.10	0.20	0.252083	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32202	CLUSTER	YES	96370.34		11.04	29.04	40.08	26210	Valve	8997.3	Valve	5127.75	36	0.312	52	0.15	0.05	11.14	3.30	0.228472	335	983	708	649	0.47	1.09							1250	Unknown		
32210	MELO-CORR	YES	96378.96		19.66	20.43	40.08	26210	Valve	9005.92	Valve	5119.13	36	0.312	52	0.16	0.05	0.91	0.47	5:19	335	1071	771	649	0.43	1.19							1598	Metal Loss		
32212	CLUSTER	YES	96386.61		27.31	12.77	40.08	26210	Valve	9013.57	Valve	5111.48	36	0.312	52	0.15	0.05	18.54	2.52	6:18	335	968	697	649	0.48	1.09							1250	Unknown		
32220	CLUSTER	YES	96389.04		29.74	10.34	40.08	26210	Valve	9016	Valve	5109.05	36	0.312	52	0.16	0.05	17.24	1.79	0.257639	335	962	693	649	0.48	1.08							1250	Unknown		
32227	CLUSTER	YES	96391.6		32.3	7.78	40.08	26210	Valve	9018.56	Valve	5106.49	36	0.312	52	0.16	0.05	4.97	0.91	0.238889	335	1019	734	649	0.46	1.13							1250	Unknown		
32230	GirthWeld		96399.38		40.08	39.81	39.81	26220	Valve	9026.35	Valve	5098.71	36	0.312	52					0.340278	335			649									1250	Unknown		
32231	GirthWeld		96439.19		39.81	24.7	24.7	26230	Valve	9066.15	Valve	5058.9	36	0.312	52					9:38	335			649									1250	Unknown		
32232	GirthWeld		96463.89		24.7	39.65	39.65	26240	Valve	9090.85	Valve	5034.2	36	0.312	52					1:30	335			649									1250	Unknown		
32233	GirthWeld		96503.54		39.65	39.72	39.72	26250	Valve	9130.5	Valve	4994.55	36	0.312	52					0.533333	335			649									1250	Unknown		
32234	GirthWeld		96543.26		39.72	39.82	39.82	26260	Valve	9170.22	Valve	4954.83	36	0.312	52					0.480556	335			649									1250	Unknown		
32235	GirthWeld		96583.08		39.82	39.8	39.79	26270	Valve	9210.04	Valve	4915.01	36	0.312	52					0.440278	335			649									1250	Unknown		
32236	GirthWeld		96622.88		39.8	39.83	39.83	26280	Valve	9249.84	Valve	4875.21	36	0.312	52					12:52	335			649									1250	Unknown		
32237	GirthWeld		96662.71		39.83	23.13	23.13	26290	Valve	9289.67	Valve	4835.38	36	0.312	52					2:00	335			649									1250	Unknown		
32239	CLUSTER	YES	96662.81		0.1	23.03	23.13	26290	Valve	9289.77	Valve	4835.28	36	0.312	52	0.19	0.06	20.44	3.36	0.24375	335	935	673	649	0.50	1.07							1250	Unknown		
32251	CLUSTER	YES	96670.05		7.34	15.78	23.13	26290	Valve	9297.01	Valve	4828.04	36	0.312	52	0.21	0.07	6.47	0.97	0.243056	335	979	705	649	0.48	1.11							1250	Unknown		
32256	CLUSTER	YES	96673.23		10.51	12.61	23.13	26290	Valve	9300.19	Valve	4824.86	36	0.312	52	0.19	0.06	2.90	0.97	0.241667	335	1040	748	649	0.45	1.16							1250	Unknown		
32261	CLUSTER	YES	96674.43		11.72	11.4	23.13	26290	Valve	9301.39	Valve	4823.66	36	0.312	52	0.15	0.05	6.28	3.90	5:51	335	1010	727	649	0.46	1.12							1250	Unknown		
32267	CLUSTER	YES	96677.55		14.84	8.28	23.13	26290	Valve	9304.51	Valve	4820.54	36	0.312	52	0.17	0.05	9.84	1.54	5:50	335	976	703	649	0.48	1.10							1250	Unknown		
32271	CLUSTER	YES	96681.91		19.2	3.93	23.13	26290	Valve	9308.87	Valve	4816.18	36	0.312	52	0.23	0.07	5.82	1.51	0.244444	335	977	704	649	0.48	1.13							1250	Unknown		
32277	CLUSTER	YES	96683.71		21	2.13	23.13	26290	Valve	9310.67	Valve	4814.38	36	0.312	52	0.16	0.05	4.88	1.23	0.252083	335	1020	734	649	0.46	1.14							1250	Unknown		
32279	GirthWeld		96685.84		23.13	23.39	23.39	26300	Valve	9312.8	Valve	4812.25	36	0.312	52					0.485417	335			649									1250	Unknown		
32280	GirthWeld		96709.23		23.39	34.5	34.51	26310	Valve	9336.19	Valve	4788.86	36	0.312	52					10:25	335			649									1250	Unknown		
32282	CLUSTER	YES	96716.21		6.98	27.52	34.51	26310	Valve	9343.17	Valve	4781.88	36	0.312	52	0.17	0.05	9.91	3.02	5:52	335	976	703	649	0.48	1.10							1250	Unknown		
32288	GirthWeld		96743.73		34.5	39.78	39.78	26320	Valve	9370.69	Valve	4754.36	36	0.312	52					0.538889	335			649									1250	Unknown		
32289	GirthWeld		96783.51		39.78	25.79	25.79	26330	Valve	9410.47	Valve	4714.58	36	0.312	52					0.095139	335			649									1250	Unknown		
32291	CLUSTER	YES	96806.13		22.62	3.18	25.79	26330	Valve	9433.09	Valve	4691.96	36	0.312	52	0.16	0.05	7.75	1.23	0.24375	335	994	716	649	0.47	1.11							1250	Unknown		
32295	GirthWeld		96809.3		25.79	17.94	17.94	26340	Valve	9436.26	Valve	4688.79	36	0.312	52					11:32	335			649									1250	Unknown		
32296	GirthWeld		96827.24		17.94	19.55	19.55	26350	Valve	9454.2	Valve	4670.85	36	0.312	52					10:47	335			649									1250	Unknown		
32297	GirthWeld		96846.79		19.55	26.6	26.61	26360	Valve	9473.75	Valve	4651.3	36	0.312	52					0.413194	335			649									1250	Unknown		
32299	CLUSTER	YES	96859.77		12.98	13.63	26.61	26360	Valve	9486.73	Valve	4638.32	36	0.312	52	0.16	0.05	6.88	0.60	0.241667	335	1000	720	649	0.47	1.12							1250	Unknown		
32303	CLUSTER	YES	96861.08		14.29	12.31	26.61	26360	Valve	9488.04	Valve	4637.01	36	0.312	52	0.17	0.05	4.63	0.66	0.245833	335	1019	734	649	0.46	1.13							1250	Unknown		
32306	GirthWeld		96873.39		26.6	17.75	17.75	26370	Valve	9500.35	Valve	4624.7	36	0.312	52					1:10	335			649									1250	Unknown		
32307	GirthWeld		96891.14		17.75	18.39	18.4	26380	Valve	9518.1	Valve	4606.95	36	0.312	52					12:41	335			649									1250	Unknown		
32309	CLUSTER	YES	96905.6		14.46	3.93	18.4	26380	Valve	9532.56	Valve	4592.49	36	0.312	52	0.15	0.05	6.54	1.57	0.239583	335	1008	726	649	0.46	1.13							1250	Unknown		
32312	GirthWeld		96909.53		18.39	23.3	23.3	26390	Valve	9536.49	Valve	4588.56	36	0.312	52					0.116667	335			649									1250	Unknown		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
32335	CLUSTER	YES	97226.15		12.34	27.57	39.9	26510	Valve	9853.11	Valve	4271.94	36	0.312	52	0.19	0.06	2.00	1.26	6:09	335	1055	760	649	0.44	1.17							1250	Unknown		
32337	MELO-CORR	YES	97231.15		17.34	22.56	39.9	26510	Valve	9858.11	Valve	4266.94	36	0.312	52	0.28	0.09	6.46	0.83	5:49	335	943	679	649	0.49	1.06							1598	Metal Loss		
32338	GirthWeld		97253.71		39.9	23.59	23.59	26520	Valve	9880.67	Valve	4244.38	36	0.312	52					0.451389	335			649									1250	Unknown		
32339	GirthWeld		97277.3		23.59	16.09	16.09	26530	Valve	9904.26	Valve	4220.79	36	0.312	52					0.483333	335			649									1250	Unknown		
32340	GirthWeld		97293.39		16.09	21.27	21.27	26540	Valve	9920.35	Valve	4204.7	36	0.312	52					0.536111	335			649									1250	Unknown		
32341	GirthWeld		97314.66		21.27	23.72	23.72	26550	Valve	9941.62	Valve	4183.43	36	0.312	52					11:28	335			649									1250	Unknown		
32342	GirthWeld		97338.38		23.72	19.22	19.22	26560	Valve	9965.34	Valve	4159.71	36	0.312	52					10:02	335			649									1250	Unknown		
32343	GirthWeld		97357.6		19.22	21.76	21.76	26570	Valve	9984.56	Valve	4140.49	36	0.312	52					0.456944	335			649									1250	Unknown		
32344	GirthWeld		97379.36		21.76	38.99	38.99	26580	Valve	10006.32	Valve	4118.73	36	0.312	52					0.530556	335			649									1250	Unknown		
32345	MELO-CORR	YES	97409.79		30.43	8.56	38.99	26580	Valve	10036.75	Valve	4088.3	36	0.312	52	0.16	0.05	1.10	0.20	0.240972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32346	GirthWeld		97418.35		38.99	23.43	23.43	26590	Valve	10045.31	Valve	4079.74	36	0.312	52					1:58	335			649									1250	Unknown		
32347	GirthWeld		97441.78		23.43	22.98	22.98	26600	Valve	10068.74	Valve	4056.31	36	0.312	52					8:28	335			649									1250	Unknown		
32348	GirthWeld		97464.76		22.98	38.79	38.79	26610	Valve	10091.72	Valve	4033.33	36	0.312	52					0.4	335			649									1250	Unknown		
32349	GirthWeld		97503.55		38.79	23.27	23.28	26620	Valve	10130.51	Valve	3994.54	36	0.312	52					0.154167	335			649									1250	Unknown		
32350	GirthWeld		97526.82		23.27	36.52	36.51	26630	Valve	10153.78	Valve	3971.27	36	0.312	52					0.070833	335			649									1250	Unknown		
32351	MELO-CORR	YES	97553.29		26.47	10.05	36.51	26630	Valve	10180.25	Valve	3944.8	36	0.312	52	0.17	0.05	1.10	0.20	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32353	CLUSTER	YES	97558.66		31.84	4.68	36.51	26630	Valve	10185.62	Valve	3939.43	36	0.312	52	0.19	0.06	8.24	3.11	5:51	335	974	701	649	0.48	1.11							1250	Unknown		
32359	CLUSTER	YES	97561.13		34.31	2.21	36.51	26630	Valve	10188.09	Valve	3936.96	36	0.312	52	0.16	0.05	6.84	1.89	0.265278	335	1001	720	649	0.46	1.11							1250	Unknown		
32364	CLUSTER	YES	97561.87		35.05	1.47	36.51	26630	Valve	10188.83	Valve	3936.22	36	0.312	52	0.17	0.05	9.72	1.51	0.235417	335	977	703	649	0.48	1.09							1250	Unknown		
32370	GirthWeld		97563.34		36.52	39.53	39.53	26640	Valve	10190.3	Valve	3934.75	36	0.312	52					0.425	335			649									1250	Unknown		
32371	MELO-CORR	YES	97575.29		11.95	27.58	39.53	26640	Valve	10202.25	Valve	3922.8	36	0.312	52	0.18	0.06	1.10	0.20	5:34	335	1068	769	649	0.44	1.19							1598	Metal Loss		
32372	MELO-CORR	YES	97584.78		21.44	18.09	39.53	26640	Valve	10211.74	Valve	3913.31	36	0.312	52	0.29	0.09	1.34	0.24	5:37	335	1058	762	649	0.44	1.18							1598	Metal Loss		
32374	CLUSTER	YES	97586.06		22.72	16.81	39.53	26640	Valve	10213.02	Valve	3912.03	36	0.312	52	0.17	0.05	5.62	0.63	0.240972	335	1007	725	649	0.46	1.13							1250	Unknown		
32378	CLUSTER	YES	97587.02		23.68	15.84	39.53	26640	Valve	10213.98	Valve	3911.07	36	0.312	52	0.16	0.05	14.30	2.86	0.231944	335	968	697	649	0.48	1.09							1250	Unknown		
32380	CLUSTER	YES	97587.4		24.06	15.46	39.53	26640	Valve	10214.36	Valve	3910.69	36	0.312	52	0.15	0.05	2.36	1.86	0.259722	335	1055	760	649	0.44	1.17							1250	Unknown		
32387	GirthWeld		97602.87		39.53	23.81	23.82	26650	Valve	10229.83	Valve	3895.22	36	0.312	52					8:32	335			649									1250	Unknown		
32388	GirthWeld		97626.68		23.82	39.31	39.31	26660	Valve	10253.65	Valve	3871.4	36	0.312	52					1:08	335			649									1250	Unknown		
32389	GirthWeld		97665.99		39.31	23.39	23.39	26670	Valve	10292.95	Valve	3832.1	36	0.312	52					0.127778	335			649									1250	Unknown		
32390	GirthWeld		97689.38		23.39	39.04	39.03	26680	Valve	10316.35	Valve	3808.71	36	0.312	52					0.388889	335			649									1250	Unknown		
32391	GirthWeld		97728.42		39.04	23.46	23.46	26690	Valve	10355.38	Valve	3769.67	36	0.312	52					0.466667	335			649									1250	Unknown		
32392	GirthWeld		97751.88		23.46	23.32	23.32	26700	Valve	10378.84	Valve	3746.21	36	0.312	52					12:12	335			649									1250	Unknown		
32393	GirthWeld		97775.2		23.32	38.82	38.82	26710	Valve	10402.16	Valve	3722.89	36	0.312	52					1:44	335			649									1250	Unknown		
32394	GirthWeld		97814.02		38.82	25.58	25.58	26720	Valve	10440.98	Valve	3684.07	36	0.312	52					0.476389	335			649									1250	Unknown		
32395	GirthWeld		97839.6		25.58	34.35	34.34	26730	Valve	10466.57	Valve	3658.49	36	0.312	52					0.409722	335			649									1250	Unknown		
32397	CLUSTER	YES	97840.33		0.73	33.62	34.34	26730	Valve	10467.29	Valve	3657.76	36	0.312	52	0.18	0.06	4.19	2.01	0.246528	335	1022	736	649	0.46	1.14							1250	Unknown		
32401	CLUSTER	YES	97861.21		21.61	12.74	34.34	26730	Valve	10488.17	Valve	3636.88	36	0.312	52	0.18	0.06	2.52	1.26	6:02	335	1048	755	649	0.44	1.16							1250	Unknown		
32404	GirthWeld		97873.95		34.35	23.46	23.46	26740	Valve	10500.91	Valve	3624.14	36	0.312	52					1:10	335			649									1250	Unknown		
32405	GirthWeld		97897.41		23.46	39.76	39.76	26750	Valve	10524.37	Valve	3600.68	36	0.312	52					0.093056	335			649									1250	Unknown		
32406	GirthWeld		97937.17		39.76	7.99	7.99	26760	Valve	10564.13	Valve	3560.92	36	0.312	52					0.5	335			649									1250	Unknown		
32407	GirthWeld		97945.16		7.99	16.3	16.3	26770	Valve	10572.12	Valve	3552.93	36	0.312	52					0.4625	335			649									1250	Unknown		
32408	GirthWeld		97961.46		16.3	26.35	26.35	26780	Valve	10588.42	Valve	3536.63	36	0.312	52					1:58	335			649									1250	Unknown		
32409	GirthWeld		97987.81		26.35	39.68	39.68	26790	Valve	10614.77	Valve	3510.28	36	0.312	52					3:02	335			649									1250	Unknown		
32410	MIFE	n/a	98020.91		33.1	6.58	39.68	26790	Valve	10647.88	Valve	3477.18	36	0.312	52					0.407639	335			649									2167	Mill Anomaly		
32411	GirthWeld		98027.49		39.68	23.92	23.92	26800	Valve	10654.45	Valve	3470.6	36	0.312	52					0.393056	335			649									1250	Unknown		
32413	CLUSTER	YES	98040.89		13.4	10.52	23.92	26800	Valve	10667.85	Valve	3457.2	36	0.312	52	0.17	0.05	12.86	3.52	0.246528	335	965	695	649	0.48	1.09							1250	Unknown		
32421	MELO-CORR	YES	98047.23		19.74	4.18	23.92	26800	Valve	10674.19	Valve	3450.86	36	0.312	52	0.16	0.05	1.18	0.35	5:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
32423	CLUSTER	YES	98048.08		20.59	3.33	23.92	26800	Valve	10675.04	Valve	3450.01	36	0.312	52	0.22	0.07	29.81	5.12	5:47	335	903	650	649	0.52	1.06							1250	Unknown		
32451	CLUSTER	YES	98050.77		23.28	0.63	23.92	26800	Valve	10677.73	Valve	3447.32	36	0.312	52	0.28	0.09	5.28	4.24	0.244444	335	963	693	649	0.48	1.12							1250	Unknown		
32459	GirthWeld		98051.41		23.92	18.33	18.33	26810	Valve	10678.37	Valve	3446.68	36	0.312	52					0.457639	335			649									1250	Unknown		
32461	CLUSTER	YES	98051.46		0.05	18.28	18.33	26810	Valve	10678.42	Valve	3446.63	36	0.312	52	0.27	0.08	14.87	4.05	0.245139	335	887	638	649	0.52	1.05							1250	Unknown		
32480	CLUSTER	YES	98054.53		3.12	15.21	18.33	26810	Valve	10681.49	Valve	3443.56	36	0.312	52	0.3	0.09	9.97	3.65	5:53	335	891	642	649	0.52	1.05							1250	Unknown		
32490	MELO-CORR	YES	98055.47		4.06	14.27	18.33	26810	Valve	10682.43	Valve	3442.62	36	0.312	52	0.16	0.05	1.22	0.20	6:09	335	1068	769	649	0.44	1.19							1598	Metal Loss		
32492	CLUSTER	YES	98056.99		5.58	12.75	18.33	26810	Valve	10683.95	Valve	3441.1	36	0.312	52	0.16	0.05	9.31	3.87	0.244444	335	985	709	649	0.47	1.10							1250	Unknown		
32502	CLUSTER	YES	98058.47		7.06	11.27	18.33	26810	Valve	10685.43	Valve	3439.66	36	0.312	52	0.31	0.10	98.42	8.61	0.228472	335	798	575	649	0.58	1.04							1250	Unknown		
32578	MELO-CORR	YES	98062.57		11.16	7.17	18.33	26810	Valve	10689.53	Valve	3435.52	36	0.312	52	0.17	0.05	1.46	0.47	0.228472	335	1065	767	649	0.44	1.18							1598	Metal Loss		
32609	MELO-CORR	YES	98064.14		12.73	5.6	18.33	26810	Valve	10691.1	Valve	3433.95	36	0.312	52	0.15	0.05	1.22	0.20	6:21	335	1069	769	649	0.44	1.19							1598	Metal Loss		
32611	MELO-CORR	YES	98064.37		12.96	5.38	18.33	26810	Valve	10691.33	Valve	3433.72	36	0.312	52	0.15	0.05	1.14	0.20	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32651	MELO-CORR	YES	98068.99		17.58	0.75	18.33	26810	Valve	10695.95	Valve	3429.1	36	0.312	52	0.2	0.06	1.10	0.20	0.254861	335	1068	769	649	0.44	1.18							1598	Metal Loss		
32652	GirthWeld		98069.74		18.33	21.02	21.01	26820	Valve	10696.7	Valve	3428.35	36	0.312	52					0.486111	335			649									1250	Unknown		
32653	MELO-CORR	YES	98072.3		2.56	18.45	21.01	26820	Valve	10699.26	Valve	3425.79	36	0.312	52	0.16	0.05	1.18	0.20	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
32655	CLUSTER	YES	98078.63		8.89	12.12	21.01	26820	Valve	10705.59	Valve	3419.46	36	0.312	52	0.2	0.06	4.61	1.73	5:47	335	1008	726	649	0.46	1.14							1250	Unknown		
32661	CLUSTER	YES	98079.22		9.48	11.54	21.01	26820	Valve	10706.18	Valve	3418.87	36	0.312	52	0.19	0.06	52.19	9.49	5:34	335	914	658	649	0.51	1.07							1250	Unknown		
32714	CLUSTER	YES	98083.71		13.97	7.04	21.01	26820	Valve	10710.67	Valve	3414.38	36	0.312	52	0.18	0.06	17.77	5.00	0.240278	335	947	682	649	0.49	1.09							1250	Unknown		
32726	CLUSTER	YES	98087.62		17.88	3.14	21.01	26820	Valve	10714.58	Valve	3410.47	36	0.312	52	0.17	0.05	17.22	5.31	0.244444	335	955	687	649	0.49	1.08							1250	Unknown		
32741	MELO-CORR	YES	98089.06		19.32	1.69	21.01	26820	Valve	10716.02	Valve	3409.03	36	0.312	52	0.18	0.06	1.10	0.55	0.239583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
32742	GirthWeld		98090.76		21.02	39.87	39.87	26830	Valve	10717.72	Valve	3407.33	36	0.312	52					1:19	335			649									1250	Unknown		
32744	CLUSTER	YES	98092.59		1.83	38.04	39.87	26830	Valve	10719.55	Valve	3405.5	36	0.312	52	0.22	0.07	22.16	8.01	5:48	335	910	655	649	0.51	1.08							1250	Unknown		
32759	CLUSTER	YES	98094.7		3.94	35.93	39.87	26830	Valve	10721.66	Valve	3403.39	36	0.312	52	0.15	0.05	10.52	5.69	0.240278	335	986	710	649	0.47	1.10							1250	Unknown		
32763	CLUSTER	YES	98095.3		4.54	35.33	39.87	26830	Valve	10722.26	Valve	3402.79	36	0.312	52	0.17	0.05	7.01	2.61	0.233333	335	994	716	649	0.47	1.12							1250	Unknown		
32770	CLUSTER	YES	98096.05		5.29	34.58	39.87	26830	Valve	10723.01	Valve	3402.04	36	0.312	52	0.24	0.08	9.14	1.23	0.252778	335	937	675	649	0.50	1.06							1250	Unknown		
32777	CLUSTER	YES	98096.91		6.15	33.72	39.87	26830	Valve	10723.87	Valve	3401.18	36	0.312	52	0.17	0.05	12.35	2.64	5:34	335	966	696	649	0.48	1.10							1250	Unknown		
32784	MELO-CORR	YES	98102.59		11.83	28.04	39.87	26830	Valve	10729.55	Valve	3395.5	36	0.312	52	0.15	0.05	1.06	0.20	6:17	335	1070	770	649	0.43	1.19							1598	Metal Loss		
32786	CLUSTER	YES	98109.91		19.15	20.72	39.87	26830	Valve	10736.87	Valve	3388.18	36	0.312	52	0.15	0.05	10.57	3.36	0.265278	335	985	710	649	0.47	1.10							1250	Unknown		
32792	MELO-CORR	YES	98110.35		19.59	20.27	39.87	26830	Valve	10737.31	Valve	3387.74	36	0.312	52	0.15	0.05	1.10	0.16	0.230556	335	1070	770	649	0.43	1.19							1598	Metal Loss		
32797	CLUSTER	YES	98111.64		20.88	18.98	39.87	26830	Valve	10738.6	Valve	3386.45	36	0.312	52	0.15	0.05	36.01	3.77	0.265972	335	955	688	649	0.49	1.07							1250	Unknown		
32802	CLUSTER	YES	98112.23		21.47	18.39	39.87	26830	Valve	10739.19	Valve	3385.86	36	0.312	52	0.16	0.05	2.94	0.57	5:32	335	1045	753	649	0.45	1.16							1250	Unknown		
32829	CLUSTER	YES	98116.39		25.63	14.24	39.87	26830	Valve	10743.35	Valve	3381.7	36	0.312	52	0.16	0.05	7.21	1.13	6:38	335	998	719	649	0.47	1.12							1250	Unknown		
32830	MELO-CORR	YES	98116.53		25.77	14.09	39.87	26830	Valve	10743.49	Valve	3381.56	36	0.312	52	0.15	0.05	1.10	0.20	0.252083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
32834	CLUSTER	YES	98121.04		30.28	9.58	39.87	26830	Valve	10748	Valve	3377.05	36	0.312	52	0.15	0.05	1.43	0.79	0.258333	335	1067	768	649	0.44	1.18							1250	Unknown		
32837	CLUSTER	YES	98122.35		31.59	8.27	39.87	26830	Valve	10749.31	Valve	3375.74	36	0.312	52	0.25	0.08	12.14	1.16	0.240972	335	912	657	649	0.51	1.06							1250	Unknown		
32842	CLUSTER	YES	98123.31		32.55	7.31	39.87	26830	Valve	10750.27	Valve	3374.78	36	0.312	52	0.2	0.06	5.90	4.27	6:19	335	991	713	649	0.47	1.13							1250	Unknown		
32847	CLUSTER	YES	98124.21		33.45	6.42	39.87	26830	Valve	10751.17	Valve	3373.88	36	0.312	52	0.24	0.08	5.84	1.82	6:29	335	973	700	649	0.48	1.12							1250	Unknown		
32852	CLUSTER	YES	98128.02		37.26	2.61	39.87	26830	Valve	10754.98	Valve	3370.07	36	0.312	52	0.28	0.09	9.59	1.70	0.247917	335	908	654	649	0.51	1.05							1250	Unknown		
32858	GirthWeld		98130.63		39.87	25.23	25.23	26840	Valve	10757.59	Valve	3367.46	36	0.312	52					0.095139	335			649									1250	Unknown		
32860	CLUSTER	YES	98145.55		14.92	10.3	25.23	26840	Valve	10772.51	Valve	3352.54	36	0.312	52	0.15	0.05	18.04	4.40	0.242361	335	968	697	649	0.48	1.08							1250	Unknown		
32874	GirthWeld		98155.85		25.22	23.65	23.65	26850	Valve	10782.81	Valve	3342.24	36	0.312	52					11:05	335			649									1250	Unknown		
32876	CLUSTER	YES	98157.06		1.21	22.45	23.65	26850	Valve	10784.02	Valve	3341.03	36	0.312	52	0.16	0.05	4.92	2.36	6:03	335	1019	734	649	0.46	1.14							1250	Unknown		
32881	CLUSTER	YES	98157.94		2.09	21.56	23.65	26850	Valve	10784.9	Valve	3340.15	36	0.312	52	0.17	0.05	8.81	1.48	0.246528	335	982	707	649	0.47	1.10							1250	Unknown		
32886	CLUSTER	YES	98159.24		3.39	20.27	23.65	26850	Valve	10786.2	Valve	3338.85	36	0.312	52	0.22	0.07	17.42	7.92	0.231944	335	917	660	649	0.51	1.08							1250	Unknown		
32907	MELO-CORR	YES	98160.74		4.89	18.76	23.65	26850	Valve	10787.7	Valve	3337.35	36	0.312	52	0.15	0.05	1.10	0.39	0.24375	335	1070	770	649	0.43	1.19							1598	Metal Loss		
32908	MELO-CORR	YES	98161.21		5.36	18.29	23.65	26850	Valve	10788.17	Valve	3336.88	36	0.312	52	0.15	0.05	1.14	0.20	6:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32910	CLUSTER	YES	98161.85		6	17.65	23.65	26850	Valve	10788.81	Valve	3336.24	36	0.312	52	0.18	0.06	5.78	3.74	5:40	335	1001	721	649	0.46	1.13							1250	Unknown		
32917	CLUSTER	YES	98162.59		6.74	16.91	23.65	26850	Valve	10789.55	Valve	3335.5	36	0.312	52	0.17	0.05	4.33	2.11	0.246528	335	1023	737	649	0.45	1.15							1250	Unknown		
32921	MELO-CORR	YES	98162.94		7.09	16.56	23.65	26850	Valve	10789.9	Valve	3335.15	36	0.312	52	0.17	0.05	1.10	0.20	0.275	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32923	CLUSTER	YES	98163.03		7.18	16.47	23.65	26850	Valve	10789.99	Valve	3335.06	36	0.312	52	0.26	0.08	30.89	5.84	0.238889	335	869	626	649	0.54	1.06							1250	Unknown		
32942	CLUSTER	YES	98165.27		9.42	14.23	23.65	26850	Valve	10792.23	Valve	3332.82	36	0.312	52	0.23	0.07	9.62	5.75	5:27	335	940	677	649	0.49	1.10							1250	Unknown		
32955	CLUSTER	YES	98166.37		10.52	13.13	23.65	26850	Valve	10793.33	Valve	3331.72	36	0.312	52	0.18	0.06	1.25	0.38	5:58	335	1067	768	649	0.44	1.18							1250	Unknown		
32958	CLUSTER	YES	98167.4		11.55	12.11	23.65	26850	Valve	10794.36	Valve	3330.69	36	0.312	52	0.35	0.11	9.66	1.26	0.247917	335	860	619	649	0.54	1.05							1250	Unknown		
32962	MELO-CORR	YES	98167.7		11.85	11.8	23.65	26850	Valve	10794.66	Valve	3330.39	36	0.312	52	0.15	0.05	1.18	0.20	0.234028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32964	MELO-CORR	YES	98167.75		11.9	11.75	23.65	26850	Valve	10794.71	Valve	3330.34	36	0.312	52	0.16	0.05	1.10	0.59	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
32968	CLUSTER	YES	98168.49		12.64	11.01	23.65	26850	Valve	10795.46	Valve	3329.6	36	0.312	52	0.26	0.08	7.40	1.64	5:59	335	941	678	649	0.49	1.11							1250	Unknown		
32973	CLUSTER	YES	98169.74		13.89	9.77	23.65	26850	Valve	10796.7	Valve	3328.35	36	0.312	52	0.15	0.05	6.82	4.59	6:05	335	1006	724	649	0.46	1.12							1250	Unknown		
32980	CLUSTER	YES	98170.49		14.64	9.02	23.65	26850	Valve	10797.45	Valve	3327.6	36	0.312	52	0.2	0.06	4.08	3.96	0.248611	335	1016	732	649	0.46	1.14							1250	Unknown		
32985	CLUSTER	YES	98171.89		16.04	7.61	23.65	26

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
33127	CLUSTER	YES	98184.96		5.46	34.11	39.57	26860	Valve	10811.92	Valve	3313.13	36	0.312	52	0.15	0.05	5.05	2.45	6:30	335	1022	736	649	0.46	1.14							1250	Unknown		
33133	CLUSTER	YES	98185.71		6.21	33.37	39.57	26860	Valve	10812.67	Valve	3312.38	36	0.312	52	0.17	0.05	14.69	5.78	5:18	335	960	691	649	0.48	1.08							1250	Unknown		
33139	CLUSTER	YES	98186.02		6.52	33.05	39.57	26860	Valve	10812.98	Valve	3312.07	36	0.312	52	0.24	0.08	23.24	8.11	0.236111	335	893	643	649	0.52	1.05							1250	Unknown		
33179	CLUSTER	YES	98188.49		8.99	30.58	39.57	26860	Valve	10815.45	Valve	3309.6	36	0.312	52	0.29	0.09	39.48	12.32	0.219444	335	836	602	649	0.56	1.02							1250	Unknown		
33271	CLUSTER	YES	98191.77		12.27	27.3	39.57	26860	Valve	10818.73	Valve	3306.32	36	0.312	52	0.35	0.11	63.72	12.13	0.222917	335	770	555	649	0.60	1.00							1250	Unknown		
33400	CLUSTER	YES	98196.94		17.44	22.13	39.57	26860	Valve	10823.9	Valve	3301.15	36	0.312	52	0.25	0.08	39.60	12.19	5:31	335	870	627	649	0.53	1.02							1250	Unknown		
33452	CLUSTER	YES	98199.26		19.76	19.82	39.57	26860	Valve	10826.22	Valve	3298.83	36	0.312	52	0.24	0.08	5.26	4.93	4:59	335	981	706	649	0.47	1.13							1250	Unknown		
33470	CLUSTER	YES	98199.67		20.17	19.4	39.57	26860	Valve	10826.63	Valve	3298.42	36	0.312	52	0.23	0.07	2.44	0.76	0.282639	335	1041	749	649	0.45	1.16							1250	Unknown		
33477	MELO-CORR	YES	98200		20.5	19.08	39.57	26860	Valve	10826.96	Valve	3298.09	36	0.312	52	0.24	0.08	1.26	0.32	0.280556	335	1063	766	649	0.44	1.18							1598	Metal Loss		
33480	CLUSTER	YES	98200.24		20.74	18.83	39.57	26860	Valve	10827.2	Valve	3297.85	36	0.312	52	0.25	0.08	18.02	7.07	0.252778	335	893	643	649	0.52	1.06							1250	Unknown		
33484	CLUSTER	YES	98200.33		20.83	18.74	39.57	26860	Valve	10827.29	Valve	3297.76	36	0.312	52	0.18	0.06	12.46	2.20	5:40	335	959	691	649	0.49	1.09							1250	Unknown		
33514	CLUSTER	YES	98201.72		22.22	17.35	39.57	26860	Valve	10828.68	Valve	3296.37	36	0.312	52	0.15	0.05	1.57	0.47	6:20	335	1065	767	649	0.44	1.18							1250	Unknown		
33517	CLUSTER	YES	98201.84		22.34	17.23	39.57	26860	Valve	10828.8	Valve	3296.25	36	0.312	52	0.15	0.05	18.77	6.38	0.243056	335	967	696	649	0.48	1.09							1250	Unknown		
33519	MELO-CORR	YES	98202.03		22.53	17.04	39.57	26860	Valve	10828.99	Valve	3296.06	36	0.312	52	0.16	0.05	1.26	0.43	0.275	335	1068	769	649	0.44	1.18							1598	Metal Loss		
33522	MELO-CORR	YES	98202.43		22.93	16.65	39.57	26860	Valve	10829.39	Valve	3295.66	36	0.312	52	0.15	0.05	1.14	0.47	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
33532	CLUSTER	YES	98202.97		23.47	16.1	39.57	26860	Valve	10829.93	Valve	3295.12	36	0.312	52	0.36	0.11	24.82	7.16	5:31	335	794	572	649	0.59	1.02							1250	Unknown		
33556	CLUSTER	YES	98204.39		24.89	14.68	39.57	26860	Valve	10831.35	Valve	3293.7	36	0.312	52	0.15	0.05	1.66	2.01	5:02	335	1064	766	649	0.44	1.18							1250	Unknown		
33558	MELO-CORR	YES	98204.46		24.96	14.61	39.57	26860	Valve	10831.43	Valve	3293.63	36	0.312	52	0.18	0.06	1.10	0.24	0.2875	335	1069	769	649	0.44	1.19							1598	Metal Loss		
33563	CLUSTER	YES	98205.07		25.57	14	39.57	26860	Valve	10832.03	Valve	3293.02	36	0.312	52	0.35	0.11	26.27	10.68	0.225694	335	800	576	649	0.58	1.05							1250	Unknown		
33579	MELO-CORR	YES	98205.89		26.39	13.18	39.57	26860	Valve	10832.85	Valve	3292.2	36	0.312	52	0.23	0.07	1.18	0.16	0.278472	335	1065	767	649	0.44	1.18							1598	Metal Loss		
33595	MELO-CORR	YES	98206.51		27.01	12.57	39.57	26860	Valve	10833.47	Valve	3291.58	36	0.312	52	0.2	0.06	1.30	0.39	5:00	335	1065	767	649	0.44	1.18							1598	Metal Loss		
33606	CLUSTER	YES	98207.23		27.73	11.84	39.57	26860	Valve	10834.19	Valve	3290.86	36	0.312	52	0.23	0.07	47.75	14.52	5:20	335	882	635	649	0.53	1.05							1250	Unknown		
33680	CLUSTER	YES	98209.97		30.47	9.1	39.57	26860	Valve	10836.93	Valve	3288.12	36	0.312	52	0.15	0.05	5.06	1.29	0.279167	335	1021	735	649	0.46	1.13							1250	Unknown		
33702	CLUSTER	YES	98210.7		31.2	8.37	39.57	26860	Valve	10837.66	Valve	3287.39	36	0.312	52	0.26	0.08	97.08	11.19	0.227778	335	843	607	649	0.55	1.03							1250	Unknown		
33705	MELO-CORR	YES	98210.75		31.25	8.32	39.57	26860	Valve	10837.71	Valve	3287.34	36	0.312	52	0.18	0.06	1.22	0.20	0.28125	335	1067	768	649	0.44	1.18							1598	Metal Loss		
33756	MELO-CORR	YES	98212.41		32.91	6.67	39.57	26860	Valve	10839.37	Valve	3285.68	36	0.312	52	0.16	0.05	1.14	0.32	6:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
33847	MELO-CORR	YES	98216.28		36.78	2.79	39.57	26860	Valve	10843.24	Valve	3281.81	36	0.312	52	0.22	0.07	0.91	0.79	6:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
33895	GirthWeld		98219.07		39.57	39.33	39.33	26870	Valve	10846.03	Valve	3279.02	36	0.312	52					0.3875	335			649								1250	Unknown		
33896	MELO-CORR	YES	98219.69		0.62	38.71	39.33	26870	Valve	10846.65	Valve	3278.4	36	0.312	52	0.15	0.05	1.18	0.16	0.275694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
33898	CLUSTER	YES	98220.09		1.02	38.31	39.33	26870	Valve	10847.05	Valve	3278	36	0.312	52	0.17	0.05	2.72	2.33	0.265278	335	1047	754	649	0.44	1.17							1250	Unknown		
33901	CLUSTER	YES	98220.25		1.18	38.15	39.33	26870	Valve	10847.21	Valve	3277.84	36	0.312	52	0.18	0.06	17.42	4.49	5:46	335	947	682	649	0.49	1.08							1250	Unknown		
33906	CLUSTER	YES	98220.49		1.42	37.91	39.33	26870	Valve	10847.45	Valve	3277.6	36	0.312	52	0.21	0.07	8.63	0.66	6:34	335	959	691	649	0.48	1.08							1250	Unknown		
33920	CLUSTER	YES	98226.99		7.92	31.41	39.33	26870	Valve	10853.95	Valve	3271.1	36	0.312	52	0.15	0.05	12.59	2.42	0.245139	335	979	705	649	0.48	1.09							1250	Unknown		
33930	CLUSTER	YES	98244.71		25.64	13.69	39.33	26870	Valve	10871.67	Valve	3253.38	36	0.312	52	0.19	0.06	20.33	3.52	0.255556	335	935	673	649	0.50	1.08							1250	Unknown		
33946	MELO-CORR	YES	98246.92		27.85	11.48	39.33	26870	Valve	10873.88	Valve	3251.17	36	0.312	52	0.23	0.07	1.10	0.20	0.2625	335	1066	768	649	0.44	1.18							1598	Metal Loss		
33948	CLUSTER	YES	98248.73		29.66	9.67	39.33	26870	Valve	10875.69	Valve	3249.36	36	0.312	52	0.15	0.05	3.50	1.10	6:12	335	1040	749	649	0.45	1.16							1250	Unknown		
33952	CLUSTER	YES	98251.26		32.19	7.14	39.33	26870	Valve	10878.22	Valve	3246.83	36	0.312	52	0.26	0.08	12.34	2.08	6:10	335	904	651	649	0.51	1.07							1250	Unknown		
33960	MELO-CORR	YES	98252.64		33.57	5.76	39.33	26870	Valve	10879.6	Valve	3245.45	36	0.312	52	0.15	0.05	1.22	0.20	0.235417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
33961	MELO-CORR	YES	98253.27		34.2	5.13	39.33	26870	Valve	10880.23	Valve	3244.82	36	0.312	52	0.16	0.05	1.06	0.16	0.263889	335	1070	770	649	0.44	1.19							1598	Metal Loss		
33963	CLUSTER	YES	98254.26		35.19	4.14	39.33	26870	Valve	10881.22	Valve	3243.83	36	0.312	52	0.22	0.07	4.61	1.01	0.275	335	1001	720	649	0.46	1.14							1250	Unknown		
33967	CLUSTER	YES	98255.65		36.58	2.75	39.33	26870	Valve	10882.61	Valve	3242.44	36	0.312	52	0.19	0.06	3.73	0.69	5:51	335	1025	738	649	0.45	1.14							1250	Unknown		
33969	GirthWeld		98258.4		39.33	23.8	23.8	26880	Valve	10885.36	Valve	3239.69	36	0.312	52					10:08	335			649								1250	Unknown		
33971	CLUSTER	YES	98260.05		1.65	22.15	23.8	26880	Valve	10887.01	Valve	3238.04	36	0.312	52	0.2	0.06	4.30	0.82	0.242361	335	1013	730	649	0.46	1.14							1250	Unknown		
33974	CLUSTER	YES	98265.57		7.17	16.64	23.8	26880	Valve	10892.53	Valve	3232.52	36	0.312	52	0.22	0.07	4.43	0.44	0.238889	335	1004	723	649	0.46	1.14							1250	Unknown		
33977	CLUSTER	YES	98266.1		7.7	16.1	23.8	26880	Valve	10893.06	Valve	3231.99	36	0.312	52	0.18	0.06	3.04	0.35	0.239583	335	1040	749	649	0.45	1.16							1250	Unknown		
33979	MELO-CORR	YES	98266.47		8.07	15.73	23.8	26880	Valve	10893.43	Valve	3231.62	36	0.312	52	0.22	0.07	1.18	0.24	5:46	335	1066	767	649	0.44	1.18							1598	Metal Loss		
33980	GirthWeld		98282.2		23.8	23.39	23.38	26890	Valve	10909.16	Valve	3215.89	36	0.312	52					12:46	335			649								1250	Unknown		
33981	GirthWeld		98305.59		23.39	39.68	39.69	26900	Valve	10932.55	Valve	3192.5	36	0.312	52					0.126389	335			649								1250	Unknown		
33982	MIFE	n/a	98318.4		12.81	26.88	39.69	26900	Valve	10945.36	Valve	3179.69	36	0.312	52					0.102778	335			649								2167	Mill Anomaly		
33983	MELO-CORR	YES	98327		21.41	18.27	39.69	26900	Valve	10953.96	Valve	3171.09	36	0.312	52	0.15	0.05	1.22	0.28	0.251389	335	1069	769	649	0.44	1.19							1598	Metal Loss		
33984	GirthWeld		98345.27		39.68	24.53	24.52	26910	Valve	10972.23	Valve	3152.82	36	0.312	52					10:26	335			649								1250	Unknown		
33985	GirthWeld		98369.8		24.53	39.77	39.77	26920	Valve	10996.76	Valve	3128.29	36	0.312	52					12:00	335			649								1250	Unknown		
33987	CLUSTER	YES	98397.55		27.75	12.02	39.77	26920	Valve	11024.51	Valve	3100.54	36	0.312	52	0.15	0.05	16.50	3.39	0.240278	335	970	699	649	0.48	1.07							1250	Unknown		
33995	MELO-CORR	YES	98407.38		37.57	2.19	39.77	26920	Valve	11034.34	Valve	3090.71	36	0.312	52	0.15	0.05	5.75	0.20	0.244444	335	1015	731	649	0.46	1.12							1598	Metal Loss		
33997	CLUSTER	YES	98407.38		37.58	2.19	39.77	26920	Valve	11034.34	Valve	3090.71	36	0.312	52	0.16	0.05	5.94	1.13	0.254861	335	1009	726	649	0.46	1.12							1250	Unknown		
34002	CLUSTER	YES	98408.83		39.03	0.74	39.77	26920	Valve	11035.79	Valve	3089.26	36	0.312	52	0.16	0.05	7.67	3.93	5:50	335	995	716	649	0.47	1.11							1250	Unknown		
34009	GirthWeld		98409.57		39.77	39.44	39.44	26930	Valve	11036.53	Valve	3088.52	36	0.312	52					2:23	335			649								1250	Unknown		
34011	CLUSTER	YES	98436.31		26.74	12.7	39.44	26930	Valve	11063.27	Valve	3061.78	36	0.312	52	0.17	0.05	4.80	0.79	0.245833	335	1017	732	649	0.46	1.14							1250	Unknown		
34013	GirthWeld		98449.01		39.44	39.76	39.76	26940	Valve	11075.97	Valve	3049.08	36	0.312	52					0.469444	335			649								1250	Unknown		
34014	GirthWeld		98488.77		39.76	39.13	39.12	26950	Valve	11115.73	Valve	3009.32	36	0.312	52					0.502778	335			649								1250	Unknown		
34015	GirthWeld		98527.9		39.13	39.63	39.63	26960	Valve	11154.86	Valve	2970.19	36	0.312	52					9:52	335			649								1250	Unknown		
34017	CLUSTER	YES	98555.85		27.95	11.68	39.63	26960	Valve	11182.81	Valve	2942.24	36	0.312	52	0.39	0.12	9.73	1.82	5:52	335	830	598	649	0.56	1.00							1250	Unknown		
34020	GirthWeld		98567.53		39.63	39.73	39.74	26970	Valve	11194.49	Valve	2930.56	36	0.312	52					0.540278	335			649								1250	Unknown		
34022	CLUSTER	YES	98592.72		25.19	14.54	39.74	26970	Valve	11219.68	Valve	2905.37	36	0.312	52	0.2	0.06	14.15	2.67	0.246528	335	940	677	649	0.49	1.07							1250	Unknown		
34033	GirthWeld		98607.26		39.74	39.68	39.68	26980	Valve	11234.23	Valve	2890.82	36	0.312	52					0.120833	335			649								1250	Unknown		
34034	MELO-CORR	YES	98615.98		8.72	30.97	39.68	26980	Valve	11242.94	Valve	2882.11	36	0.312	52	0.16	0.05	1.34	0.55	6:36	335	1067	768	649	0.44	1.18							1598	Metal Loss		
34035	GirthWeld		98646.94		39.68	39.8	39.8	26990	Valve	11273.9	Valve	2851.15	36	0.312	52					9:50	335			649								1250	Unknown		
34036	GirthWeld		98686.74		39.8	39.38	39.38	27000	Valve	11313.7	Valve	2811.35	36	0.312	52					0.491667	335			649								1250	Unknown		
34037	GirthWeld		98726.12		39.38	38.42	38.41	27010	Valve	11353.08	Valve	2771.97	36	0.312	52					0.125	335			649								1250	Unknown		
34038	GirthWeld		98764.54		38.42	39.77	39.78	27020	Valve	11391.5	Valve	2733.55	36	0.312	52					0.05	335			649								1250	Unknown		
34039	GirthWeld		98804.31		39.77	39.33	39.33	27030	Valve	11431.27	Valve	2693.78	36	0.312	52					10:42	335			649								1250	Unknown		
34040	GirthWeld		98843.64		39.33	38.75	38.75	27040	Valve	11470.6	Valve	2654.45	36	0.312	52					11:44	335			649								1250	Unknown		
34041	GirthWeld		98882.39		38.75	39.8	39.8	27050	Valve	11509.35	Valve	2615.7	36	0.312	52					0.048611	335			649								1250	Unknown		
34042	GirthWeld		98922.19		39.8	39.8	39.8	27060	Valve	11549.15	Valve	2575.9	36	0.312	52					0.131944	335			649								1250	Unknown		
34043	GirthWeld		98961.99		39.8	39.09	39.09	27070	Valve	11588.95	Valve	2536.1	36	0.312	52					0.504167	335			649								1250	Unknown		
34044	GirthWeld		99001.08		39.09	38.82	38.83	27080	Valve	11628.04	Valve	2497.01	36	0.312	52					12:23	335			649								1250	Unknown		
34045	GirthWeld		99039.9		38.82	39.8	39.8	27090	Valve	11666.86	Valve	2458.19	36	0.312	52					1:41	335			649								1250	Unknown		
34046	GirthWeld		99079.7		39.8	38.51	38.51	27100	Valve	11706.66	Valve	2418.39	36	0.312	52					0.138889	335			649								1250	Unknown		
34047	GirthWeld		99118.21		38.51	33.64	33.63	27110	Valve	11745.17	Valve	2379.88	36	0.312	52					0.426389	335			649								1250	Unknown		
34048	GirthWeld		99151.85		33.63	39.8	39.81	27120	Valve	11778.81	Valve	2346.24	36	0.312	52					0.5	335			649								1250	Unknown		
34049	GirthWeld		99191.65		39.8	39.61	39.61	27130	Valve	11818.61	Valve	2306.44	36	0.312	52					12:58	335			649								1250	Unknown		
34050	GirthWeld		99231.26		39.61	28.6	28.61	27140	Valve	11858.22	Valve	2266.83	36	0.312	52					3:03	335			649								1250	Unknown		
34051	GirthWeld		99259.86		28.6	39.18	39.18	27150	Valve	11886.82	Valve	2238.23	36	0.312	52					0.41875	335			649								1250	Unknown		
34052	GirthWeld		99299.04		39.18	28.43	28.43	27160	Valve	11926	Valve	2199.05	36	0.312	52					0.481944	335			649								1250	Unknown		
34053	GirthWeld		99327.47		28.43	39.71	39.71	27170	Valve	11954.43	Valve	2170.62	36	0.312	52					0.045833	335			649								1250	Unknown		
34054	GirthWeld		99367.18		39.71	29.28	29.28	27180	Valve	11994.14	Valve	2130.91	36	0.312	52					2:32	335			649								1250	Unknown		
34055	GirthWeld		99396.46		29.28	39.6	39.6	27190	Valve	12023.42	Valve	2101.63	36	0.312	52					10:46	335			649								1250	Unknown		
34056	GirthWeld		99436.06		39.6	29.85	29.86	27200	Valve	12063.02	Valve	2062.03	36	0.312	52					0.491667	335			649								1250	Unknown		
34057	GirthWeld		99465.91		29.85	39.54	39.53	27210	Valve	12092.87	Valve	2032.18	36	0.312	52					0.048611	335			649								1250	Unknown		
34058	GirthWeld		99505.45		39.54	29.19	29.19	27220	Valve	12132.41	Valve	1992.64	36	0.312	52					0.10625	335			649								1250	Unknown		
34059	GirthWeld		99534.64		29.19	39.78	39.78	27230	Valve	12161.6	Valve	1963.45	36	0.312	52					10:28	335			649								1250	Unknown		
34060	GirthWeld		99574.42		39.78	39.71	39.72	27240	Valve	12201.38	Valve	1923.67	36	0.312	52					12:00	335			649								1250	Unknown		
34061	GirthWeld		99614.13		39.71	39.86	39.85	27250	Valve	12241.1	Valve	1883.96	36	0.312	52					0.058333	335			649								1250	Unknown		
34062	GirthWeld		99653.99		39.86	27.46	27.46	27260	Valve	12280.95	Valve	1844.1	36	0.312	52					0.120833	335			649								1250	Unknown		
34063	MELO-CORR	YES	99662.78		8.79	18.66	27.46	27260	Valve	12289.74	Valve	1835.31	36	0.312	52	0.17	0.05	2.64	0.75	0.243056	335	1048	755	649	0.44	1.16							1598	Metal Loss		
34065	CLUSTER	YES	99666.5		12.51	14.95	27.46	27260	Valve	12293.46	Valve	1831.59	36	0.312	52	0.16	0.05	6.12	1.29	6:13	335	1007	725	649	0.46	1.13							1250	Unknown		
34066	MELO-CORR	YES	99666.68		12.69	14.77	27.46	27260	Valve	12293.64	Valve	1831.41	36	0.312	52	0.16	0.05	1.10	0.20	5:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34070	CLUSTER	YES	99668.36		14.37	13.08	27.46	27260	Valve	12295.32	Valve	1829.73	36	0.312	52	0.24	0.08	7.69	3.27	0.249306	335	950	684	649	0.49	1.09							1250	Unknown		
34075	GirthWeld		99681.45		27.46	39.75	39.76	27270	Valve	12308.41	Valve	1816.64	36	0.312	52					0.5	335			649								1250	Unknown		
34077	CLUSTER	YES	99682.6		1.15	38.6	39.76	27270	Valve	12309.56	Valve	1815.49	36	0.312	52	0.17	0.05	7.39	2.42	0.253472	335	991	714	649	0.47	1.12							1250	Unknown		
34083	MELO-CORR	YES	99688.54		7.09	32.67	39.76	27270	Valve	12315.5	Valve	1809.55	36	0.312	52	0.18	0.06	1.18	0.20	6:20	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34085	CLUSTER	YES	99690.93		9.48	30.27	39.76	27270	Valve	12317.89	Valve	1807.16	36	0.312	52	0.16	0.05	3.86	2.23	5:57	335	1032	743	649	0.45	1.15							1250	Unknown		
34086	MELO-CORR	YES	99690.93		9.48	30.27	39.76	27270	Valve	12317.89	Valve	1807.16	36	0.312	52	0.16	0.05	1.10	0.16	0.234722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34089	MELO-CORR	YES	99693.54		12.09	27.66	39.76	27270	Valve	12320.5	Valve	1804.55	36	0.312	52	0.2	0.06	1.10	0.16	0.265278	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34091	CLUSTER	YES	99704.43		22.98	16.78	39.76	27270	Valve	12331.39	Valve	1793.66	36	0.312	52	0.15	0.05	4.31	0.91	0.240278	335	1030	742	649	0.45	1.15							1250	Unknown		
34095	MELO-CORR	YES	99705.16		23.71

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
34154	MELO-CORR	YES	99999.45		26.81	13.24	40.06	27350	Valve	12626.41	Valve	1498.64	36	0.312	52	0.16	0.05	1.10	0.20	6:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34156	CLUSTER	YES	99999.5		26.86	13.2	40.06	27350	Valve	12626.46	Valve	1498.59	36	0.312	52	0.16	0.05	3.92	0.79	5:50	335	1031	743	649	0.45	1.15							1250	Unknown		
34159	CLUSTER	YES	100000.1		27.43	12.63	40.06	27350	Valve	12627.03	Valve	1498.02	36	0.312	52	0.15	0.05	9.83	1.64	0.255556	335	988	712	649	0.47	1.10							1250	Unknown		
34166	CLUSTER	YES	100002.1		29.41	10.64	40.06	27350	Valve	12629.01	Valve	1496.04	36	0.312	52	0.16	0.05	5.39	0.72	0.266667	335	1014	730	649	0.46	1.14							1250	Unknown		
34169	CLUSTER	YES	100002.4		29.73	10.32	40.06	27350	Valve	12629.33	Valve	1495.72	36	0.312	52	0.15	0.05	7.31	0.72	0.255556	335	1002	722	649	0.46	1.12							1250	Unknown		
34172	MELO-CORR	YES	100004.8		32.11	7.94	40.06	27350	Valve	12631.71	Valve	1493.34	36	0.312	52	0.15	0.05	1.18	0.32	6:22	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34173	MELO-CORR	YES	100006.8		34.19	5.86	40.06	27350	Valve	12633.79	Valve	1491.26	36	0.312	52	0.16	0.05	1.10	0.39	6:35	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34174	GirthWeld		100012.7		40.06	39.78	39.79	27360	Valve	12639.66	Valve	1485.39	36	0.312	52					0.4125	335			649									1250	Unknown		
34175	GirthWeld		100052.5		39.78	39.07	39.07	27370	Valve	12679.44	Valve	1445.61	36	0.312	52					0.079167	335			649									1250	Unknown		
34176	GirthWeld		100091.6		39.07	39.84	39.85	27380	Valve	12718.51	Valve	1406.54	36	0.312	52					0.475	335			649									1250	Unknown		
34177	GirthWeld		100131.4		39.84	39.76	39.76	27390	Valve	12758.35	Valve	1366.7	36	0.312	52					11:38	335			649									1250	Unknown		
34178	GirthWeld		100171.2		39.76	39.74	39.74	27400	Valve	12798.11	Valve	1326.94	36	0.312	52					10:18	335			649									1250	Unknown		
34179	GirthWeld		100210.9		39.74	38.96	38.96	27410	Valve	12837.85	Valve	1287.2	36	0.312	52					0.111111	335			649									1250	Unknown		
34180	GirthWeld		100249.9		38.96	38.7	38.7	27420	Valve	12876.81	Valve	1248.24	36	0.312	52					0.044444	335			649									1250	Unknown		
34181	GirthWeld		100288.6		38.7	27.84	27.83	27430	Valve	12915.51	Valve	1209.54	36	0.312	52					0.477778	335			649									1250	Unknown		
34182	GirthWeld		100316.4		27.84	39.83	39.84	27440	Valve	12943.35	Valve	1181.7	36	0.312	52					10:32	335			649									1250	Unknown		
34183	GirthWeld		100356.2		39.83	26.44	26.44	27450	Valve	12983.18	Valve	1141.87	36	0.312	52					12:54	335			649									1250	Unknown		
34184	GirthWeld		100382.7		26.44	39.58	39.58	27460	Valve	13009.62	Valve	1115.43	36	0.312	52					0.093056	335			649									1250	Unknown		
34185	GirthWeld		100422.2		39.58	39.88	39.88	27470	Valve	13049.2	Valve	1075.85	36	0.312	52					0.405556	335			649									1250	Unknown		
34187	CLUSTER	YES	100445.3		23.06	16.82	39.88	27470	Valve	13072.26	Valve	1052.79	36	0.312	52	0.17	0.05	1.90	0.44	0.245833	335	1059	763	649	0.44	1.18							1250	Unknown		
34190	CLUSTER	YES	100446.6		24.37	15.51	39.88	27470	Valve	13073.57	Valve	1051.48	36	0.312	52	0.38	0.12	25.20	3.96	5:50	335	777	559	649	0.60	1.02							1250	Unknown		
34208	CLUSTER	YES	100449.5		27.23	12.65	39.88	27470	Valve	13076.43	Valve	1048.62	36	0.312	52	0.16	0.05	7.24	0.91	5:52	335	998	718	649	0.47	1.11							1250	Unknown		
34210	MELO-CORR	YES	100454.3		32.01	7.86	39.88	27470	Valve	13081.21	Valve	1043.84	36	0.312	52	0.17	0.05	2.44	0.55	0.245833	335	1051	757	649	0.44	1.17							1598	Metal Loss		
34211	MELO-CORR	YES	100455.2		32.95	6.93	39.88	27470	Valve	13082.15	Valve	1042.9	36	0.312	52	0.23	0.07	1.10	0.43	0.272917	335	1066	768	649	0.44	1.18							1598	Metal Loss		
34212	MELO-CORR	YES	100455.4		33.15	6.73	39.88	27470	Valve	13082.35	Valve	1042.7	36	0.312	52	0.16	0.05	1.18	0.35	0.246528	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34213	MELO-CORR	YES	100455.7		33.45	6.43	39.88	27470	Valve	13082.65	Valve	1042.4	36	0.312	52	0.24	0.08	1.10	0.20	5:54	335	1066	767	649	0.44	1.18							1598	Metal Loss		
34215	CLUSTER	YES	100458.2		35.97	3.91	39.88	27470	Valve	13085.17	Valve	1039.88	36	0.312	52	0.22	0.07	3.97	2.99	6:28	335	1012	729	649	0.46	1.13							1250	Unknown		
34219	GirthWeld		100462.1		39.88	39.77	39.77	27480	Valve	13089.08	Valve	1035.97	36	0.312	52					0.471528	335			649									1250	Unknown		
34221	CLUSTER	YES	100462.4		0.25	39.52	39.77	27480	Valve	13089.33	Valve	1035.72	36	0.312	52	0.19	0.06	13.85	5.25	0.236806	335	948	682	649	0.49	1.06							1250	Unknown		
34242	CLUSTER	YES	100464.5		2.34	37.43	39.77	27480	Valve	13091.42	Valve	1033.63	36	0.312	52	0.33	0.10	11.82	1.13	0.240278	335	857	617	649	0.54	1.01							1250	Unknown		
34246	CLUSTER	YES	100465		2.89	36.88	39.77	27480	Valve	13091.97	Valve	1033.08	36	0.312	52	0.26	0.08	4.10	1.32	6:09	335	996	717	649	0.47	1.12							1250	Unknown		
34251	CLUSTER	YES	100467		4.86	34.91	39.77	27480	Valve	13093.94	Valve	1031.11	36	0.312	52	0.2	0.06	3.85	2.23	5:27	335	1020	735	649	0.46	1.14							1250	Unknown		
34257	CLUSTER	YES	100468.1		5.97	33.8	39.77	27480	Valve	13095.05	Valve	1030	36	0.312	52	0.17	0.05	11.62	1.86	0.227778	335	969	698	649	0.48	1.09							1250	Unknown		
34264	MELO-CORR	YES	100470.9		8.73	31.04	39.77	27480	Valve	13097.81	Valve	1027.24	36	0.312	52	0.23	0.07	1.18	0.39	0.227778	335	1065	767	649	0.44	1.18							1598	Metal Loss		
34265	MELO-CORR	YES	100473.5		11.38	28.4	39.77	27480	Valve	13100.46	Valve	1024.6	36	0.312	52	0.16	0.05	1.10	0.35	0.216667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34267	CLUSTER	YES	100473.8		11.67	28.1	39.77	27480	Valve	13100.75	Valve	1024.3	36	0.312	52	0.28	0.09	17.69	3.33	5:55	335	871	627	649	0.53	1.06							1250	Unknown		
34281	CLUSTER	YES	100475.7		13.53	26.24	39.77	27480	Valve	13102.61	Valve	1022.44	36	0.312	52	0.18	0.06	13.20	3.14	5:52	335	957	689	649	0.49	1.09							1250	Unknown		
34288	CLUSTER	YES	100476.6		14.45	25.32	39.77	27480	Valve	13103.53	Valve	1021.52	36	0.312	52	0.15	0.05	3.02	0.50	0.259722	335	1046	753	649	0.44	1.16							1250	Unknown		
34291	CLUSTER	YES	100479.7		17.53	22.24	39.77	27480	Valve	13106.61	Valve	1018.44	36	0.312	52	0.17	0.05	10.63	4.05	0.242361	335	973	700	649	0.48	1.10							1250	Unknown		
34298	CLUSTER	YES	100483.1		20.99	18.78	39.77	27480	Valve	13110.07	Valve	1014.98	36	0.312	52	0.15	0.05	6.47	3.39	0.261806	335	1009	726	649	0.46	1.13							1250	Unknown		
34303	CLUSTER	YES	100489.6		27.51	12.26	39.77	27480	Valve	13116.59	Valve	1008.46	36	0.312	52	0.15	0.05	6.52	1.86	5:56	335	1008	726	649	0.46	1.13							1250	Unknown		
34308	CLUSTER	YES	100490.3		28.18	11.59	39.77	27480	Valve	13117.26	Valve	1007.79	36	0.312	52	0.19	0.06	7.22	1.67	5:56	335	982	707	649	0.47	1.12							1250	Unknown		
34312	CLUSTER	YES	100491.4		29.24	10.54	39.77	27480	Valve	13118.32	Valve	1006.74	36	0.312	52	0.15	0.05	7.67	1.45	0.254861	335	1000	720	649	0.47	1.11							1250	Unknown		
34318	CLUSTER	YES	100492.2		30.1	9.67	39.77	27480	Valve	13119.18	Valve	1005.87	36	0.312	52	0.24	0.08	6.06	0.66	0.247222	335	969	698	649	0.48	1.09							1250	Unknown		
34322	GirthWeld		100501.9		39.77	39.81	39.81	27490	Valve	13128.85	Valve	996.2	36	0.312	52					0.088889	335			649									1250	Unknown		
34323	GirthWeld		100541.7		39.81	39.68	39.68	27500	Valve	13168.66	Valve	956.39	36	0.312	52					12:34	335			649									1250	Unknown		
34324	GirthWeld		100581.4		39.68	39.8	39.79	27510	Valve	13208.34	Valve	916.71	36	0.312	52					11:18	335			649									1250	Unknown		
34325	GirthWeld		100621.2		39.8	39.8	39.8	27520	Valve	13248.14	Valve	876.91	36	0.312	52					0.431944	335			649									1250	Unknown		
34326	GirthWeld		100661		39.8	32.47	32.47	27530	Valve	13287.94	Valve	837.11	36	0.312	52					0.058333	335			649									1250	Unknown		
34327	GirthWeld		100693.5		32.47	40.13	40.13	27540	Valve	13320.41	Valve	804.64	36	0.312	52					0.095139	335			649									1250	Unknown		
34329	CLUSTER	YES	100717.1		23.68	16.45	40.13	27540	Valve	13344.09	Valve	780.96	36	0.312	52	0.15	0.05	9.36	0.76	5:50	335	991	713	649	0.47	1.10							1250	Unknown		
34334	MELO-CORR	YES	100718.5		25	15.13	40.13	27540	Valve	13345.41	Valve	779.64	36	0.312	52	0.17	0.05	2.64	0.67	5:45	335	1048	755	649	0.44	1.16							1598	Metal Loss		
34336	CLUSTER	YES	100724.8		31.31	8.81	40.13	27540	Valve	13351.72	Valve	773.33	36	0.312	52	0.28	0.09	26.77	2.61	0.255556	335	857	617	649	0.54	1.06							1250	Unknown		
34356	CLUSTER	YES	100727.3		33.84	6.28	40.13	27540	Valve	13354.25	Valve	770.8	36	0.312	52	0.21	0.07	6.76	2.14	0.257639	335	976	703	649	0.48	1.12							1250	Unknown		
34362	CLUSTER	YES	100731.9		38.47	1.66	40.13	27540	Valve	13358.88	Valve	766.17	36	0.312	52	0.21	0.07	3.77	0.60	0.259028	335	1019	733	649	0.46	1.14							1250	Unknown		
34365	CLUSTER	YES	100732.7		39.24	0.89	40.13	27540	Valve	13359.65	Valve	765.4	36	0.312	52	0.18	0.06	2.42	0.57	6:18	335	1049	756	649	0.44	1.17							1250	Unknown		
34367	MELO-CORR	YES	100733.2		39.71	0.42	40.13	27540	Valve	13360.12	Valve	764.93	36	0.312	52	0.16	0.05	1.22	0.43	6:15	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34368	GirthWeld		100733.6		40.13	39.25	39.26	27550	Valve	13360.54	Valve	764.51	36	0.312	52					0.445139	335			649									1250	Unknown		
34370	CLUSTER	YES	100733.9		0.28	38.97	39.26	27550	Valve	13360.82	Valve	764.23	36	0.312	52	0.18	0.06	10.33	1.04	0.263889	335	968	697	649	0.48	1.09							1250	Unknown		
34375	CLUSTER	YES	100734.6		1.02	38.23	39.26	27550	Valve	13361.56	Valve	763.49	36	0.312	52	0.21	0.07	3.58	0.57	0.233333	335	1022	736	649	0.46	1.15							1250	Unknown		
34378	CLUSTER	YES	100735.5		1.92	37.33	39.26	27550	Valve	13362.46	Valve	762.59	36	0.312	52	0.28	0.09	16.63	2.36	5:39	335	874	629	649	0.53	1.02							1250	Unknown		
34386	CLUSTER	YES	100736.3		2.68	36.57	39.26	27550	Valve	13363.22	Valve	761.83	36	0.312	52	0.18	0.06	5.81	1.60	6:11	335	1001	721	649	0.46	1.12							1250	Unknown		
34392	CLUSTER	YES	100742.2		8.66	30.59	39.26	27550	Valve	13369.2	Valve	755.85	36	0.312	52	0.16	0.05	3.34	1.89	0.240972	335	1040	748	649	0.45	1.15							1250	Unknown		
34396	CLUSTER	YES	100755.3		21.75	17.51	39.26	27550	Valve	13382.29	Valve	742.76	36	0.312	52	0.16	0.05	7.32	0.66	0.2625	335	997	718	649	0.47	1.10							1250	Unknown		
34401	CLUSTER	YES	100761.5		27.96	11.29	39.26	27550	Valve	13388.5	Valve	736.55	36	0.312	52	0.27	0.08	5.98	0.91	0.238889	335	955	688	649	0.49	1.09							1250	Unknown		
34404	GirthWeld		100772.8		39.25	38.91	38.9	27560	Valve	13399.79	Valve	725.26	36	0.312	52					12:26	335			649									1250	Unknown		
34406	CLUSTER	YES	100773.4		0.56	38.35	38.9	27560	Valve	13400.35	Valve	724.7	36	0.312	52	0.15	0.05	9.70	1.29	6:13	335	989	712	649	0.47	1.10							1250	Unknown		
34410	CLUSTER	YES	100774.7		1.89	37.02	38.9	27560	Valve	13401.68	Valve	723.37	36	0.312	52	0.34	0.11	19.00	4.96	0.239583	335	821	591	649	0.57	0.94							1250	Unknown		
34416	MELO-CORR	YES	100778.3		5.5	33.4	38.9	27560	Valve	13405.29	Valve	719.76	36	0.312	52	0.15	0.05	1.18	0.20	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34418	CLUSTER	YES	100791.2		18.34	20.56	38.9	27560	Valve	13418.13	Valve	706.92	36	0.312	52	0.17	0.05	6.37	0.82	0.238889	335	1000	720	649	0.47	1.13							1250	Unknown		
34422	MELO-CORR	YES	100795		22.19	16.72	38.9	27560	Valve	13421.98	Valve	703.07	36	0.312	52	0.16	0.05	1.10	0.16	6:20	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34423	MELO-CORR	YES	100795.5		22.62	16.29	38.9	27560	Valve	13422.41	Valve	702.64	36	0.312	52	0.18	0.06	1.18	0.20	6:35	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34424	MELO-CORR	YES	100796.1		23.22	15.68	38.9	27560	Valve	13423.01	Valve	702.04	36	0.312	52	0.16	0.05	1.18	0.20	0.299306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34426	CLUSTER	YES	100796.5		23.62	15.29	38.9	27560	Valve	13423.41	Valve	701.64	36	0.312	52	0.2	0.06	11.30	2.89	0.263889	335	950	684	649	0.49	1.08							1250	Unknown		
34436	CLUSTER	YES	100797.5		24.65	14.26	38.9	27560	Valve	13424.44	Valve	700.61	36	0.312	52	0.16	0.05	9.96	2.48	0.267361	335	982	707	649	0.47	1.11							1250	Unknown		
34439	MELO-CORR	YES	100797.9		25.06	13.85	38.9	27560	Valve	13424.85	Valve	700.2	36	0.312	52	0.17	0.05	0.87	0.35	5:40	335	1071	771	649	0.43	1.19							1598	Metal Loss		
34444	MELO-CORR	YES	100798.5		25.63	13.28	38.9	27560	Valve	13425.42	Valve	699.63	36	0.312	52	0.15	0.05	1.10	0.20	6:25	335	1070	770	649	0.43	1.19							1598	Metal Loss		
34446	CLUSTER	YES	100798.7		25.91	12.99	38.9	27560	Valve	13425.7	Valve	699.35	36	0.312	52	0.29	0.09	11.22	1.45	0.270833	335	889	640	649	0.52	1.09							1250	Unknown		
34451	MELO-CORR	YES	100800		27.15	11.76	38.9	27560	Valve	13426.94	Valve	698.11	36	0.312	52	0.23	0.07	1.10	0.16	0.277778	335	1066	768	649	0.44	1.18							1598	Metal Loss		
34453	CLUSTER	YES	100800.2		27.32	11.58	38.9	27560	Valve	13427.11	Valve	697.94	36	0.312	52	0.23	0.07	2.87	0.47	0.272917	335	1032	743	649	0.45	1.16							1250	Unknown		
34455	MELO-CORR	YES	100801.1		28.23	10.68	38.9	27560	Valve	13428.02	Valve	697.03	36	0.312	52	0.2	0.06	1.22	0.20	5:40	335	1066	768	649	0.44	1.18							1598	Metal Loss		
34457	CLUSTER	YES	100801.4		28.53	10.37	38.9	27560	Valve	13428.32	Valve	696.73	36	0.312	52	0.22	0.07	13.32	3.80	5:27	335	928	669	649	0.50	1.09							1250	Unknown		
34460	CLUSTER	YES	100801.7		28.82	10.09	38.9	27560	Valve	13428.61	Valve	696.44	36	0.312	52	0.24	0.08	4.44	2.14	0.265278	335	996	717	649	0.47	1.14							1250	Unknown		
34473	CLUSTER	YES	100802.7		29.86	9.04	38.9	27560	Valve	13429.65	Valve	695.4	36	0.312	52	0.19	0.06	6.80	3.39	0.225	335	986	710	649	0.47	1.11							1250	Unknown		
34479	CLUSTER	YES	100803		30.12	8.79	38.9	27560	Valve	13429.91	Valve	695.14	36	0.312	52	0.17	0.05	1.84	2.17	0.265278	335	1060	763	649	0.44	1.18							1250	Unknown		
34484	MELO-CORR	YES	100803.3		30.48	8.42	38.9	27560	Valve	13430.27	Valve	694.78	36	0.312	52	0.17	0.05	1.22	0.20	6:34	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34486	CLUSTER	YES	100803.9		31.04	7.86	38.9	27560	Valve	13430.83	Valve	694.22	36	0.312	52	0.16	0.05	6.42	3.39	6:22	335	1004	723	649	0.46	1.12							1250	Unknown		
34493	CLUSTER	YES	100804.4		31.55	7.36	38.9	27560	Valve	13431.34	Valve	693.71	36	0.312	52	0.16	0.05	6.46	5.00	0.259722	335	1004	723	649	0.46	1.12							1250	Unknown		
34497	MELO-CORR	YES	100806.5		33.7	5.21	38.9	27560	Valve	13433.49	Valve	691.56	36	0.312	52	0.16	0.05	1.14	0.20	0.28125	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34499	CLUSTER	YES	100807.6		34.8	4.11	38.9	27560	Valve	13434.59	Valve	690.46	36	0.312	52	0.17	0.05	16.76	5.03	0.221528	335	956	688	649	0.49	1.08							1250	Unknown		
34511	GirthWeld		100811.7		38.91	39.62	39.62	27570	Valve	13438.7	Valve	686.35	36	0.312	52					10:00	335			649									1250	Unknown		
34513	CLUSTER	YES	100812.7		0.93	38.69	39.62	27570	Valve	13439.63	Valve	685.42	36	0.312	52	0.24	0.08	17.44	3.11	5:31	335	902	650	649	0.52	1.04							1250	Unknown		
34517	CLUSTER	YES	100813.1		1.38	38.24	39.62	27570	Valve	13440.09	Valve	684.96	36	0.312	52	0.19	0.06	14.03	2.77	0.264583	335	947	682	649	0.49	1.07							1250	Unknown		
34533	CLUSTER	YES	100814.6		2.82	36.8	39.62	27570	Valve	13441.52	Valve	683.53	36	0.312	52	0.15	0.05	12.82	3.33	0.267361	335	978	704	649	0.48	1.10							1250	Unknown		
34540	CLUSTER	YES	100827.7		15.98	23.64	39.62	27570	Valve	13454.68	Valve	670.37	36	0.312	52	0.15	0.05	8.39	3.33	0.271528	335	996	717	649	0.47	1.12							1250	Unknown		
34544	CLUSTER	YES	100831.5		19.76	19.86	39.62	27570	Valve	13458.46	Valve	666.59	36	0.312	52	0.15	0.05	12.43	1.86	6:23	335	979	705	649	0.48	1.10							1250	Unknown		
34550	MELO-CORR	YES	100832.8		21.05	18.57	39.62	27570	Valve	13459.75	Valve	665.3	36	0.312	52	0.15	0.05	1.10	0.32	5:38	335	1070	770	649	0.43	1.19							1598	Metal Loss		
34552	CLUSTER	YES	100834.1		22.4	17.22	39.62	27570	Valve	13461.1	Valve	663.95	36	0.312	52	0.15	0.05	3.72	1.89	0.236111	335	1037	747	649	0.45	1.15							1250	Unknown		
34554	MELO-CORR	YES	100834.9		23.16	16.46	39.62	27570	Valve	13461.86	Valve	663.19	36	0.312	52	0.16	0.05	1.10	0.16	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34556	CLUSTER	YES	100835.3		23.54	16.08	39.62	27570	Valve	13462.24	Valve	662.81	36	0.312	52	0.18	0.06	6.68	2.08	0.265278	335	992	714	649	0.47	1.12							1250	Unknown		
34560	CLUSTER	YES	100835.6		23.85	15.77	39.62	27570	Valve	13462.55	Valve	662.5	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
34618	GirthWeld		101291.4		33.08	37.09	37.09	27700	Valve	13918.34	Valve	206.71	36	0.312	52					1:35	335			649									1250	Unknown		
34619	GirthWeld		101328.5		37.09	39.83	39.84	27710	Valve	13955.43	Valve	169.62	36	0.312	52					11:14	335			649									1250	Unknown		
34620	GirthWeld		101368.3		39.83	39.81	39.81	27720	Valve	13995.26	Valve	129.79	36	0.312	52					0.511111	335			649									1250	Unknown		
34621	GirthWeld		101408.1		39.81	37.48	37.48	27730	Valve	14035.07	Valve	89.98	36	0.312	52					0.525	335			649									1250	Unknown		
34622	GirthWeld		101445.6		37.48	39.7	39.71	27740	Valve	14072.55	Valve	52.5	36	0.312	52					0.079167	335			649									1250	Unknown		
34623	GirthWeld		101485.3		39.7	9.94	9.94	27750	Valve	14112.25	Valve	12.8	36	0.312	52					10:54	335			649									1250	Unknown		
34624	Tap		101491.2		5.95	3.99	9.94	27750	Valve	14118.2	Valve	6.85	36	0.312	52					12:00	335			649									1790	Tap		
34625	AS_Inst		101495.2		9.94	5.73	5.73	27760	Valve	14122.19	Valve	2.86	36	0.438	52					UNKN	335			911									1250	Unknown		
34626	Valve		101498.1		2.86	2.87	5.73	27760	Valve	14125.05	Valve	39897.18	36	0.438	52						335			911									1589	Valve		
34627	AE_Inst		101501		5.73	9.84	9.84	27770	Valve	2.87	Valve	39894.31	36	0.312	52					0.041667	335			649									1250	Unknown		
34628	Tap		101504.9		3.92	5.92	9.84	27770	Valve	6.79	Valve	39890.39	36	0.312	52					12:00	335			649									1790	Tap		
34629	GirthWeld		101510.8		9.84	39.65	39.65	27780	Valve	12.71	Valve	39884.47	36	0.312	52					8:44	335			649									1250	Unknown		
34630	GirthWeld		101550.5		39.65	39.27	39.28	27790	Valve	52.36	Valve	39844.82	36	0.312	52					0.284722	335			649									1250	Unknown		
34631	AS_Casing		101581.8		31.32	7.95	39.28	27790	Valve	83.68	Valve	39813.5	36	0.312	52						335			649									1590	Casing		
34632	GirthWeld		101589.7		39.27	39.77	39.77	27800	Valve	91.63	Valve	39805.55	36	0.312	52					0.5	335			649									1250	Unknown		
34633	GirthWeld		101629.5		39.77	39.82	39.82	27810	Valve	131.4	Valve	39765.78	36	0.312	52					10:40	335			649									1250	Unknown		
34634	GirthWeld		101669.3		39.82	39.66	39.66	27820	Valve	171.22	Valve	39725.96	36	0.312	52					12:18	335			649									1250	Unknown		
34635	GirthWeld		101709		39.65	35.51	35.52	27830	Valve	210.88	Valve	39686.3	36	0.312	52					0.459722	335			649									1250	Unknown		
34636	GirthWeld		101744.5		35.51	24.04	24.04	27840	Valve	246.39	Valve	39650.79	36	0.312	52					0.488889	335			649									1250	Unknown		
34637	AE_Casing		101746.8		2.31	21.73	24.04	27840	Valve	248.7	Valve	39648.48	36	0.312	52						335			649									1590	Casing		
34638	GirthWeld		101768.5		24.04	20.6	20.6	27850	Valve	270.43	Valve	39626.75	36	0.312	52					8:10	335			649									1250	Unknown		
34639	GirthWeld		101789.1		20.6	39.6	39.6	27860	Valve	291.03	Valve	39606.15	36	0.312	52					9:20	335			649									1250	Unknown		
34641	CLUSTER	YES	101796		6.9	32.7	39.6	27860	Valve	297.93	Valve	39599.25	36	0.312	52	0.24	0.08	8.52	3.52	0.238194	335	942	678	649	0.49	1.09							1250	Unknown		
34649	CLUSTER	YES	101807.1		17.97	21.63	39.6	27860	Valve	309	Valve	39588.18	36	0.312	52	0.2	0.06	8.24	2.45	0.251389	335	968	697	649	0.48	1.08							1250	Unknown		
34655	CLUSTER	YES	101807.7		18.54	21.06	39.6	27860	Valve	309.57	Valve	39587.61	36	0.312	52	0.16	0.05	11.10	5.15	0.239583	335	977	704	649	0.48	1.10							1250	Unknown		
34665	CLUSTER	YES	101809.1		19.94	19.66	39.6	27860	Valve	310.97	Valve	39586.21	36	0.312	52	0.18	0.06	2.60	2.29	6:18	335	1047	754	649	0.44	1.16							1250	Unknown		
34669	CLUSTER	YES	101812.1		23.01	16.59	39.6	27860	Valve	314.04	Valve	39583.14	36	0.312	52	0.15	0.05	4.73	1.07	5:18	335	1025	738	649	0.45	1.14							1250	Unknown		
34673	CLUSTER	YES	101812.9		23.74	15.86	39.6	27860	Valve	314.76	Valve	39582.41	36	0.312	52	0.22	0.07	6.00	1.04	0.241667	335	980	706	649	0.47	1.12							1250	Unknown		
34676	CLUSTER	YES	101813.4		24.32	15.28	39.6	27860	Valve	315.35	Valve	39581.83	36	0.312	52	0.23	0.07	19.40	6.91	0.234722	335	906	652	649	0.51	1.06							1250	Unknown		
34691	CLUSTER	YES	101814.8		25.66	13.94	39.6	27860	Valve	316.69	Valve	39580.49	36	0.312	52	0.15	0.05	12.98	1.32	0.257639	335	978	704	649	0.48	1.09							1250	Unknown		
34701	CLUSTER	YES	101825.1		35.95	3.65	39.6	27860	Valve	326.98	Valve	39570.2	36	0.312	52	0.17	0.05	42.25	8.26	5:41	335	936	674	649	0.50	1.07							1250	Unknown		
34748	GirthWeld		101828.7		39.6	40.17	40.17	27870	Valve	330.63	Valve	39566.55	36	0.312	52					8:34	335			649									1250	Unknown		
34750	CLUSTER	YES	101828.9		0.18	39.99	40.17	27870	Valve	330.81	Valve	39566.37	36	0.312	52	0.2	0.06	13.86	6.13	0.234722	335	941	677	649	0.49	1.08							1250	Unknown		
34765	CLUSTER	YES	101830.1		1.42	38.75	40.17	27870	Valve	332.05	Valve	39565.13	36	0.312	52	0.16	0.05	10.44	1.23	0.232639	335	980	705	649	0.47	1.11							1250	Unknown		
34769	MELO-CORR	YES	101832.6		3.9	36.27	40.17	27870	Valve	334.53	Valve	39562.65	36	0.312	52	0.15	0.05	1.10	0.16	0.220139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
34771	CLUSTER	YES	101833.6		4.88	35.28	40.17	27870	Valve	335.51	Valve	39561.67	36	0.312	52	0.15	0.05	6.62	1.16	5:17	335	1007	725	649	0.46	1.11							1250	Unknown		
34775	CLUSTER	YES	101834.6		5.91	34.25	40.17	27870	Valve	336.54	Valve	39560.64	36	0.312	52	0.15	0.05	21.01	1.51	5:07	335	965	695	649	0.48	1.08							1250	Unknown		
34778	CLUSTER	YES	101835.1		6.35	33.82	40.17	27870	Valve	336.98	Valve	39560.2	36	0.312	52	0.21	0.07	8.87	2.99	0.245139	335	958	690	649	0.49	1.10							1250	Unknown		
34789	CLUSTER	YES	101835.4		6.69	33.48	40.17	27870	Valve	337.32	Valve	39559.86	36	0.312	52	0.16	0.05	5.75	1.13	0.284722	335	1010	728	649	0.46	1.13							1250	Unknown		
34795	MELO-CORR	YES	101837.5		8.73	31.43	40.17	27870	Valve	339.36	Valve	39557.82	36	0.312	52	0.15	0.05	2.05	0.71	0.25625	335	1059	763	649	0.44	1.18							1598	Metal Loss		
34796	MELO-CORR	YES	101838.2		9.44	30.72	40.17	27870	Valve	340.07	Valve	39557.1	36	0.312	52	0.17	0.05	0.91	0.39	5:04	335	1071	771	649	0.43	1.19							1598	Metal Loss		
34798	CLUSTER	YES	101840.8		12.07	28.1	40.17	27870	Valve	342.7	Valve	39554.48	36	0.312	52	0.16	0.05	10.42	3.14	5:08	335	980	705	649	0.47	1.11							1250	Unknown		
34802	CLUSTER	YES	101840.9		12.2	27.97	40.17	27870	Valve	342.83	Valve	39554.35	36	0.312	52	0.18	0.06	10.22	2.29	0.277778	335	968	697	649	0.48	1.10							1250	Unknown		
34811	MELO-CORR	YES	101848.6		19.86	20.3	40.17	27870	Valve	350.49	Valve	39546.69	36	0.312	52	0.18	0.06	1.10	0.32	0.234722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34813	CLUSTER	YES	101852		23.27	16.89	40.17	27870	Valve	353.9	Valve	39543.28	36	0.312	52	0.18	0.06	2.24	1.16	0.227778	335	1053	758	649	0.44	1.17							1250	Unknown		
34816	MELO-CORR	YES	101853.3		24.54	15.63	40.17	27870	Valve	355.17	Valve	39542.01	36	0.312	52	0.18	0.06	1.18	0.24	5:36	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34818	CLUSTER	YES	101855.9		27.13	13.03	40.17	27870	Valve	357.76	Valve	39539.42	36	0.312	52	0.15	0.05	8.47	1.29	6:08	335	995	717	649	0.47	1.11							1250	Unknown		
34823	MELO-CORR	YES	101862.8		34.04	6.13	40.17	27870	Valve	364.67	Valve	39532.51	36	0.312	52	0.15	0.05	1.38	0.47	0.257639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
34824	GirthWeld		101868.9		40.17	39.03	39.04	27880	Valve	370.8	Valve	39526.38	36	0.312	52					0.4	335			649									1250	Unknown		
34825	GirthWeld		101907.9		39.03	17.05	17.04	27890	Valve	409.83	Valve	39487.35	36	0.312	52					0.108333	335			649									1250	Unknown		
34826	GirthWeld		101925		17.05	28.78	28.78	27900	Valve	426.88	Valve	39470.3	36	0.312	52					12:04	335			649									1250	Unknown		
34828	CLUSTER	YES	101944.6		19.59	9.19	28.78	27900	Valve	446.47	Valve	39450.71	36	0.312	52	0.15	0.05	2.58	1.73	7:34	335	1052	757	649	0.44	1.17							1250	Unknown		
34830	GirthWeld		101953.8		28.77	39.9	39.9	27910	Valve	455.65	Valve	39441.52	36	0.312	52					0.461111	335			649									1250	Unknown		
34831	GirthWeld		101993.7		39.9	39.78	39.79	27920	Valve	495.56	Valve	39401.62	36	0.312	52					0.047222	335			649									1250	Unknown		
34832	GirthWeld		102033.4		39.78	37.59	37.59	27930	Valve	535.34	Valve	39361.84	36	0.312	52					0.097222	335			649									1250	Unknown		
34833	GirthWeld		102071		37.59	39.89	39.89	27940	Valve	572.93	Valve	39324.25	36	0.312	52					11:18	335			649									1250	Unknown		
34834	GirthWeld		102110.9		39.89	39.79	39.79	27950	Valve	612.82	Valve	39284.36	36	0.312	52					1:22	335			649									1250	Unknown		
34835	GirthWeld		102150.7		39.79	39.85	39.85	27960	Valve	652.61	Valve	39244.57	36	0.312	52					0.472222	335			649									1250	Unknown		
34836	GirthWeld		102190.6		39.85	39.76	39.77	27970	Valve	692.46	Valve	39204.72	36	0.312	52					0.527778	335			649									1250	Unknown		
34837	GirthWeld		102230.3		39.76	39.86	39.86	27980	Valve	732.22	Valve	39164.96	36	0.312	52					0.481944	335			649									1250	Unknown		
34838	GirthWeld		102270.2		39.86	39.8	39.8	27990	Valve	772.08	Valve	39125.1	36	0.312	52					10:50	335			649									1250	Unknown		
34839	GirthWeld		102310		39.8	39.9	39.9	28000	Valve	811.88	Valve	39085.3	36	0.312	52					1:04	335			649									1250	Unknown		
34840	GirthWeld		102349.9		39.9	39.55	39.55	28010	Valve	851.78	Valve	39045.4	36	0.312	52					0.4625	335			649									1250	Unknown		
34841	GirthWeld		102389.4		39.55	39.85	39.85	28020	Valve	891.33	Valve	39005.85	36	0.312	52					0.081944	335			649									1250	Unknown		
34842	GirthWeld		102429.3		39.85	39.8	39.79	28030	Valve	931.18	Valve	38966	36	0.312	52					0.531944	335			649									1250	Unknown		
34843	MELO-CORR	YES	102432.3		2.99	36.81	39.79	28030	Valve	934.17	Valve	38963.01	36	0.312	52	0.15	0.05	1.18	0.20	6:14	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34844	GirthWeld		102469.1		39.8	38.53	38.53	28040	Valve	970.98	Valve	38926.2	36	0.312	52					11:50	335			649									1250	Unknown		
34845	GirthWeld		102507.6		38.53	37.91	37.91	28050	Valve	1009.51	Valve	38887.67	36	0.312	52					0.430556	335			649									1250	Unknown		
34846	GirthWeld		102545.5		37.91	39.76	39.76	28060	Valve	1047.42	Valve	38849.76	36	0.312	52					0.097222	335			649									1250	Unknown		
34847	MELO-CORR	YES	102567.2		21.69	18.07	39.76	28060	Valve	1069.11	Valve	38828.07	36	0.312	52	0.15	0.05	1.14	0.32	0.252778	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34849	CLUSTER	YES	102568		22.47	17.29	39.76	28060	Valve	1069.89	Valve	38827.29	36	0.312	52	0.17	0.05	4.43	1.82	5:55	335	1022	736	649	0.46	1.14							1250	Unknown		
34853	CLUSTER	YES	102576		30.51	9.26	39.76	28060	Valve	1077.93	Valve	38819.25	36	0.312	52	0.22	0.07	1.42	0.76	5:55	335	1062	765	649	0.44	1.18							1250	Unknown		
34856	CLUSTER	YES	102576.4		30.9	8.86	39.76	28060	Valve	1078.32	Valve	38818.86	36	0.312	52	0.15	0.05	1.25	0.57	0.252778	335	1068	769	649	0.44	1.18							1250	Unknown		
34858	GirthWeld		102585.3		39.76	39.92	39.92	28070	Valve	1087.18	Valve	38810	36	0.312	52					0.538889	335			649									1250	Unknown		
34859	MELO-CORR	YES	102593.8		8.49	31.43	39.92	28070	Valve	1095.67	Valve	38801.51	36	0.312	52	0.16	0.05	1.18	0.35	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34860	GirthWeld		102625.2		39.92	22.81	22.81	28080	Valve	1127.1	Valve	38770.08	36	0.312	52					12:02	335			649									1250	Unknown		
34861	GirthWeld		102648		22.81	15.77	15.77	28090	Valve	1149.91	Valve	38747.27	36	0.312	52					2:18	335			649									1250	Unknown		
34862	GirthWeld		102663.8		15.77	38.65	38.65	28100	Valve	1165.68	Valve	38731.49	36	0.312	52					0.5375	335			649									1250	Unknown		
34863	GirthWeld		102702.4		38.65	39.63	39.63	28110	Valve	1204.33	Valve	38692.85	36	0.312	52					0.505556	335			649									1250	Unknown		
34864	GirthWeld		102742.1		39.63	21.57	21.58	28120	Valve	1243.96	Valve	38653.22	36	0.312	52					0.458333	335			649									1250	Unknown		
34865	GirthWeld		102763.6		21.57	16.85	16.85	28130	Valve	1265.53	Valve	38631.65	36	0.312	52					1:06	335			649									1250	Unknown		
34866	GirthWeld		102780.5		16.85	39.76	39.76	28140	Valve	1282.38	Valve	38614.8	36	0.312	52					11:22	335			649									1250	Unknown		
34867	GirthWeld		102820.2		39.76	27.2	27.2	28150	Valve	1322.14	Valve	38575.04	36	0.312	52					0.073611	335			649									1250	Unknown		
34868	GirthWeld		102847.4		27.2	39.11	39.11	28160	Valve	1349.34	Valve	38547.84	36	0.312	52					0.418056	335			649									1250	Unknown		
34869	GirthWeld		102886.5		39.11	35.29	35.29	28170	Valve	1388.45	Valve	38508.73	36	0.312	52					0.506944	335			649									1250	Unknown		
34870	GirthWeld		102921.8		35.29	23.36	23.36	28180	Valve	1423.74	Valve	38473.44	36	0.312	52					2:24	335			649									1250	Unknown		
34871	GirthWeld		102945.2		23.36	6.16	6.15	28190	Valve	1447.1	Valve	38450.08	36	0.312	52					12:13	335			649									1250	Unknown		
34872	GirthWeld		102951.4		6.16	9.81	9.81	28200	Valve	1453.26	Valve	38443.92	36	0.312	52					0.096528	335			649									1250	Unknown		
34873	GirthWeld		102961.2		9.81	39.32	39.32	28210	Valve	1463.07	Valve	38434.11	36	0.312	52					0.045833	335			649									1250	Unknown		
34874	GirthWeld		103000.5		39.32	39.62	39.62	28220	Valve	1502.39	Valve	38394.79	36	0.312	52					0.3625	335			649									1250	Unknown		
34875	GirthWeld		103040.1		39.62	28.26	28.26	28230	Valve	1542.01	Valve	38355.17	36	0.312	52					10:26	335			649									1250	Unknown		
34876	GirthWeld		103068.4		28.26	39.73	39.72	28240	Valve	1570.27	Valve	38326.91	36	0.312	52					1:26	335			649									1250	Unknown		
34877	GirthWeld		103108.1		39.73	39.25	39.26	28250	Valve	1610	Valve	38287.18	36	0.312	52					0.141667	335			649									1250	Unknown		
34879	CLUSTER	YES	103108.8		0.67	38.58	39.26	28250	Valve	1610.67	Valve	38286.51	36	0.312	52	0.15	0.05	4.15	0.63	0.233333	335	1032	743	649	0.45	1.15							1250	Unknown		
34884	CLUSTER	YES	103109.7		1.64	37.61	39.26	28250	Valve	1611.64	Valve	38285.54	36	0.312	52	0.19	0.06	4.79	0.66	0.2625	335	1009	727	649	0.46	1.14							1250	Unknown		
34887	MELO-CORR	YES	103114		5.94	33.31	39.26	28250	Valve	1615.94	Valve	38281.24	36	0.312	52	0.17	0.05	1.22	0.24	6:23	335	1068	769	649	0.44	1.18							1598	Metal Loss		
34889	CLUSTER	YES	103115.7		7.61	31.64	39.26	28250	Valve	1617.61	Valve	38279.57	36	0.312	52	0.18	0.06	2.24	1.04	5:49	335	1053	758	649	0.44	1.17							1250	Unknown		
34892	CLUSTER	YES	103116.1		8.05	31.2	39.26	28250	Valve	1618.05	Valve	38279.13	36	0.312	52	0.15	0.05	7.81	1.38	0.256944	335	999	719	649	0.47	1.11							1250	Unknown		
34896	MELO-CORR	YES	103117.2		9.08	30.18	39.26	28250	Valve	1619.08	Valve	38278.1	36	0.312	52	0.16	0.05	1.10	0.16	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34897	MELO-CORR	YES	103119.9		11.85	27.4	39.26	28250	Valve	1621.85	Valve	38275.33	36	0.312	52	0.16	0.05	1.10	0.24	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34898	MELO-CORR	YES	103120.8		12.67	26.59	39.26	28250	Valve	1622.67	Valve	38274.51	36	0.312	52	0.15	0.05	1.14	0.16	5:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34900	CLUSTER	YES	103126.8		18.73	20.52	39.26	28250	Valve	1628.73	Valve	38268.45	36	0.312	52	0.18	0.06	3.35	0.60	6:17	335	1035	745	649	0.45	1.16							1250	Unknown		
34902	MELO-CORR	YES	103129.3		21.19	18.06	39.26	28250	Valve	1631.19	Valve	38265.99	36	0.312	52	0.15	0.05	0.94	0.43	0.238889	335	1071	771	649	0.43	1.19							1598	Metal Loss		
34904	CLUSTER	YES	103129.4		21.31	17.95	39.26	28250	Valve	1631.31	Valve	38265.87	36	0.312	52	0.18	0.06	2.86	1.54	0.263889	335	1042	750	649	0.45	1.16							1250	Unknown		
34907	MELO-CORR	YES	103132.2		24.06	15.19	39.26	28250	Valve	1634.06	Valve	38263.12	36	0.312	52	0.16	0.05	1.18	0.20	0.236111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
34909	CLUSTER	YES	103133		24.86	14.39	39.26	28250	Valve	1634.86	Valve	38262.32	36	0.312	52	0.21	0.07	4.13	0.60	6:17	335	1012	729	649	0.46	1.14							1250	Unknown		
34911	MELO-CORR	YES	103135.3		27.23	12.02	39.26	28250	Valve	1637.23	Valve	38259.95	36	0.312	52	0.23	0.07	1.18	0.39	6:17	335	1065	767	649	0.44	1.18							1598	Metal Loss		
34912	MELO-CORR	YES	103140.8		32.66	6.59	39.26	28250	Valve	1642.66	Valve	38254.52	36	0.312	52	0.17	0.05	1.14	0.16	0.269444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
34913	MELO-CORR	YES	103141.5		33.42	5.83	39.26	28250	Valve	1643.42	Valve	38253.76	36	0.312	52	0.17	0.05	1.14	0.20	0.263194	335	1069	769	649	0.44	1.19							1598	Metal Loss		
34915	CLUSTER	YES	103144.5		36.39	2.86	39.26	28250	Valve	1646.39	Valve	38250.79	36	0.312	52	0.17	0.05	7.18	2.92	0.254861	335	993	715	649	0.47	1.12							1250	Unknown		
34920	CLUSTER	YES	103145.2		37.15	2.1	39.26	28250	Valve

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
34950	CLUSTER	YES	103166.8		19.45	19.95	39.4	28260	Valve	1668.7	Valve	38228.48	36	0.312	52	0.16	0.05	1.42	0.85	5:47	335	1066	768	649	0.44	1.18							1250	Unknown		
34953	CLUSTER	YES	103174		26.66	12.74	39.4	28260	Valve	1675.91	Valve	38221.27	36	0.312	52	0.15	0.05	1.42	0.72	5:48	335	1067	768	649	0.44	1.18							1250	Unknown		
34955	MELO-CORR	YES	103175.3		27.95	11.45	39.4	28260	Valve	1677.2	Valve	38219.98	36	0.312	52	0.18	0.06	1.02	0.16	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34956	MELO-CORR	YES	103177.9		30.58	8.82	39.4	28260	Valve	1679.83	Valve	38217.35	36	0.312	52	0.16	0.05	1.10	0.20	0.236806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34957	MELO-CORR	YES	103178.7		31.31	8.09	39.4	28260	Valve	1680.56	Valve	38216.62	36	0.312	52	0.15	0.05	1.18	0.16	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
34958	GirthWeld		103186.7		39.4	38.46	38.46	28270	Valve	1688.65	Valve	38208.53	36	0.312	52					10:08	335			649									1250	Unknown		
34960	CLUSTER	YES	103192.3		5.51	32.95	38.46	28270	Valve	1694.16	Valve	38203.02	36	0.312	52	0.16	0.05	5.24	3.17	6:04	335	1016	731	649	0.46	1.13							1250	Unknown		
34965	CLUSTER	YES	103194.2		7.42	31.04	38.46	28270	Valve	1696.07	Valve	38201.11	36	0.312	52	0.17	0.05	5.32	0.69	0.246528	335	1011	728	649	0.46	1.13							1250	Unknown		
34968	CLUSTER	YES	103194.8		8.08	30.38	38.46	28270	Valve	1696.73	Valve	38200.45	36	0.312	52	0.16	0.05	19.27	3.61	0.252778	335	959	691	649	0.49	1.08							1250	Unknown		
34981	CLUSTER	YES	103196.5		9.76	28.7	38.46	28270	Valve	1698.41	Valve	38198.77	36	0.312	52	0.15	0.05	17.22	5.97	0.246528	335	969	698	649	0.48	1.09							1250	Unknown		
34985	CLUSTER	YES	103196.9		10.14	28.32	38.46	28270	Valve	1698.79	Valve	38198.39	36	0.312	52	0.16	0.05	8.04	1.29	5:31	335	992	714	649	0.47	1.12							1250	Unknown		
34998	CLUSTER	YES	103197.7		10.94	27.52	38.46	28270	Valve	1699.59	Valve	38197.59	36	0.312	52	0.18	0.06	3.07	0.69	5:38	335	1039	748	649	0.45	1.16							1250	Unknown		
35002	MELO-CORR	YES	103200.5		13.79	24.67	38.46	28270	Valve	1702.44	Valve	38194.74	36	0.312	52	0.15	0.05	1.10	0.43	0.277083	335	1070	770	649	0.43	1.19							1598	Metal Loss		
35004	CLUSTER	YES	103201.9		15.11	23.34	38.46	28270	Valve	1703.76	Valve	38193.42	36	0.312	52	0.19	0.06	19.00	1.67	0.263194	335	937	675	649	0.50	1.07							1250	Unknown		
35011	MELO-CORR	YES	103206.6		19.87	18.59	38.46	28270	Valve	1708.52	Valve	38188.66	36	0.312	52	0.16	0.05	1.14	0.20	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35013	CLUSTER	YES	103209.8		23.05	15.41	38.46	28270	Valve	1711.7	Valve	38185.48	36	0.312	52	0.15	0.05	2.74	2.29	5:27	335	1050	756	649	0.44	1.17							1250	Unknown		
35015	MELO-CORR	YES	103210.9		24.14	14.32	38.46	28270	Valve	1712.79	Valve	38184.39	36	0.312	52	0.25	0.08	1.22	0.24	6:28	335	1063	766	649	0.44	1.18							1598	Metal Loss		
35017	CLUSTER	YES	103211.1		24.37	14.09	38.46	28270	Valve	1713.02	Valve	38184.16	36	0.312	52	0.25	0.08	8.59	0.97	0.2625	335	936	674	649	0.50	1.09							1250	Unknown		
35022	MELO-CORR	YES	103212.2		25.41	13.04	38.46	28270	Valve	1714.06	Valve	38183.12	36	0.312	52	0.18	0.06	1.14	0.20	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35023	MELO-CORR	YES	103212.9		26.13	12.32	38.46	28270	Valve	1714.78	Valve	38182.4	36	0.312	52	0.21	0.07	1.18	0.20	0.267361	335	1066	768	649	0.44	1.18							1598	Metal Loss		
35024	GirthWeld		103225.2		38.46	39.22	39.22	28280	Valve	1727.11	Valve	38170.07	36	0.312	52					3:38	335			649									1250	Unknown		
35025	GirthWeld		103264.4		39.22	38.88	38.88	28290	Valve	1766.33	Valve	38130.85	36	0.312	52					2:38	335			649									1250	Unknown		
35026	GirthWeld		103303.3		38.88	39.71	39.71	28300	Valve	1805.21	Valve	38091.97	36	0.312	52					0.527778	335			649									1250	Unknown		
35027	GirthWeld		103343		39.71	38.71	38.72	28310	Valve	1844.92	Valve	38052.26	36	0.312	52					0.083333	335			649									1250	Unknown		
35028	GirthWeld		103381.7		38.71	39.85	39.84	28320	Valve	1883.63	Valve	38013.55	36	0.312	52					0.522222	335			649									1250	Unknown		
35029	GirthWeld		103421.6		39.85	39.75	39.75	28330	Valve	1923.48	Valve	37973.7	36	0.312	52					1:10	335			649									1250	Unknown		
35030	GirthWeld		103461.3		39.75	35.73	35.73	28340	Valve	1963.23	Valve	37933.95	36	0.312	52					11:38	335			649									1250	Unknown		
35031	GirthWeld		103497.1		35.73	39.25	39.26	28350	Valve	1998.96	Valve	37898.22	36	0.312	52					0.416667	335			649									1250	Unknown		
35032	GirthWeld		103536.3		39.25	39.87	39.87	28360	Valve	2038.21	Valve	37858.97	36	0.312	52					0.090278	335			649									1250	Unknown		
35033	GirthWeld		103576.2		39.87	39.37	39.37	28370	Valve	2078.08	Valve	37819.1	36	0.312	52					0.527778	335			649									1250	Unknown		
35034	MELO-CORR	YES	103595.7		19.51	19.87	39.37	28370	Valve	2097.59	Valve	37799.59	36	0.312	52	0.2	0.06	1.58	0.47	6:01	335	1061	764	649	0.44	1.18							1598	Metal Loss		
35035	MELO-CORR	YES	103596.6		20.47	18.91	39.37	28370	Valve	2098.55	Valve	37798.63	36	0.312	52	0.22	0.07	1.02	0.35	5:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35037	CLUSTER	YES	103600.3		24.12	15.26	39.37	28370	Valve	2102.2	Valve	37794.98	36	0.312	52	0.28	0.09	10.01	0.97	0.25	335	905	651	649	0.51	1.05							1250	Unknown		
35041	MELO-CORR	YES	103603.4		27.24	12.13	39.37	28370	Valve	2105.32	Valve	37791.86	36	0.312	52	0.29	0.09	6.02	0.83	0.250694	335	944	680	649	0.49	1.06							1598	Metal Loss		
35042	MELO-CORR	YES	103607.9		31.72	7.65	39.37	28370	Valve	2109.8	Valve	37787.38	36	0.312	52	0.19	0.06	1.14	0.39	0.249306	335	1068	769	649	0.44	1.18							1598	Metal Loss		
35043	MELO-CORR	YES	103610.5		34.33	5.05	39.37	28370	Valve	2112.41	Valve	37784.77	36	0.312	52	0.15	0.05	1.46	0.55	6:02	335	1066	768	649	0.44	1.18							1598	Metal Loss		
35045	CLUSTER	YES	103614.8		38.59	0.78	39.37	28370	Valve	2116.67	Valve	37780.51	36	0.312	52	0.15	0.05	6.34	2.73	5:57	335	1010	727	649	0.46	1.12							1250	Unknown		
35049	GirthWeld		103615.5		39.37	39.9	39.89	28380	Valve	2117.45	Valve	37779.73	36	0.312	52					0.440278	335			649									1250	Unknown		
35051	CLUSTER	YES	103615.7		0.11	39.78	39.89	28380	Valve	2117.56	Valve	37779.62	36	0.312	52	0.3	0.09	15.34	5.15	0.238194	335	862	621	649	0.54	1.03							1250	Unknown		
35065	CLUSTER	YES	103617		1.49	38.41	39.89	28380	Valve	2118.94	Valve	37778.24	36	0.312	52	0.19	0.06	17.88	3.80	0.244444	335	939	676	649	0.50	1.07							1250	Unknown		
35081	CLUSTER	YES	103654.9		39.31	0.58	39.89	28380	Valve	2156.76	Valve	37740.42	36	0.312	52	0.18	0.06	5.72	2.42	5:59	335	1002	721	649	0.46	1.12							1250	Unknown		
35085	GirthWeld		103655.4		39.9	39.74	39.74	28390	Valve	2157.35	Valve	37739.83	36	0.312	52					11:32	335			649									1250	Unknown		
35087	CLUSTER	YES	103655.6		0.14	39.59	39.74	28390	Valve	2157.49	Valve	37739.69	36	0.312	52	0.3	0.09	9.43	2.14	0.248611	335	896	645	649	0.52	1.04							1250	Unknown		
35094	GirthWeld		103695.2		39.73	38.27	38.27	28400	Valve	2197.08	Valve	37700.1	36	0.312	52					0.059722	335			649									1250	Unknown		
35095	MIFE	n/a	103704.6		9.42	28.85	38.27	28400	Valve	2206.5	Valve	37690.68	36	0.312	52					0.041667	335			649									2161	Mill Anomaly		
35096	GirthWeld		103733.4		38.27	39.42	39.42	28410	Valve	2235.35	Valve	37661.83	36	0.312	52					2:20	335			649									1250	Unknown		
35097	GirthWeld		103772.9		39.42	7.32	7.32	28420	Valve	2274.77	Valve	37622.41	36	0.312	52					8:31	335			649									1250	Unknown		
35099	CLUSTER	YES	103779.5		6.63	0.69	7.32	28420	Valve	2281.4	Valve	37615.78	36	0.312	52	0.22	0.07	6.89	0.85	0.255556	335	969	698	649	0.48	1.09							1250	Unknown		
35102	GirthWeld		103780.2		7.32	7.92	7.92	28430	Valve	2282.09	Valve	37615.09	36	0.312	52					0.444444	335			649									1250	Unknown		
35103	GirthWeld		103788.1		7.92	23.6	23.6	28440	Valve	2290.01	Valve	37607.17	36	0.312	52					0.341667	335			649									1250	Unknown		
35105	CLUSTER	YES	103803.2		15.12	8.48	23.6	28440	Valve	2305.13	Valve	37592.05	36	0.312	52	0.15	0.05	1.67	2.01	5:42	335	1064	766	649	0.44	1.18							1250	Unknown		
35107	MELO-CORR	YES	103807.6		19.45	4.15	23.6	28440	Valve	2309.46	Valve	37587.72	36	0.312	52	0.15	0.05	0.98	0.20	6:15	335	1071	771	649	0.43	1.19							1598	Metal Loss		
35109	CLUSTER	YES	103807.8		19.74	3.86	23.6	28440	Valve	2309.75	Valve	37587.43	36	0.312	52	0.15	0.05	10.69	0.97	0.261111	335	985	709	649	0.47	1.10							1250	Unknown		
35116	CLUSTER	YES	103809.2		21.05	2.56	23.6	28440	Valve	2311.06	Valve	37586.12	36	0.312	52	0.15	0.05	13.31	1.32	0.256944	335	977	703	649	0.48	1.09							1250	Unknown		
35122	CLUSTER	YES	103810.5		22.39	1.21	23.6	28440	Valve	2312.4	Valve	37584.77	36	0.312	52	0.16	0.05	3.85	1.20	0.24375	335	1032	743	649	0.45	1.15							1250	Unknown		
35125	GirthWeld		103811.7		23.6	39.08	39.08	28450	Valve	2313.61	Valve	37583.57	36	0.312	52					9:54	335			649									1250	Unknown		
35127	CLUSTER	YES	103812.2		0.46	38.62	39.08	28450	Valve	2314.07	Valve	37583.11	36	0.312	52	0.18	0.06	24.30	5.44	5:43	335	939	676	649	0.50	1.06							1250	Unknown		
35149	CLUSTER	YES	103814.7		3.02	36.06	39.08	28450	Valve	2316.63	Valve	37580.55	36	0.312	52	0.2	0.06	12.59	1.32	0.259028	335	945	680	649	0.49	1.05							1250	Unknown		
35155	CLUSTER	YES	103815.8		4.13	34.95	39.08	28450	Valve	2317.74	Valve	37579.44	36	0.312	52	0.24	0.08	18.76	1.76	0.239583	335	900	648	649	0.52	1.04							1250	Unknown		
35159	MELO-CORR	YES	103816.2		4.53	34.55	39.08	28450	Valve	2318.14	Valve	37579.04	36	0.312	52	0.16	0.05	1.10	0.24	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35163	CLUSTER	YES	103816.6		4.89	34.19	39.08	28450	Valve	2318.5	Valve	37578.68	36	0.312	52	0.39	0.12	35.57	2.96	6:03	335	755	543	649	0.62	1.04							1250	Unknown		
35180	MELO-CORR	YES	103818.4		6.67	32.41	39.08	28450	Valve	2320.28	Valve	37576.9	36	0.312	52	0.2	0.06	1.10	0.20	5:25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
35188	CLUSTER	YES	103821		9.33	29.75	39.08	28450	Valve	2322.94	Valve	37574.24	36	0.312	52	0.17	0.05	15.62	3.49	0.260417	335	958	690	649	0.49	1.09							1250	Unknown		
35195	CLUSTER	YES	103822.5		10.8	28.28	39.08	28450	Valve	2324.41	Valve	37572.77	36	0.312	52	0.15	0.05	10.74	1.45	0.255556	335	985	709	649	0.47	1.10							1250	Unknown		
35200	CLUSTER	YES	103837.7		25.99	13.09	39.08	28450	Valve	2339.6	Valve	37557.58	36	0.312	52	0.15	0.05	6.96	0.82	0.224306	335	1005	723	649	0.46	1.12							1250	Unknown		
35203	CLUSTER	YES	103839.6		27.91	11.17	39.08	28450	Valve	2341.52	Valve	37555.66	36	0.312	52	0.23	0.07	7.33	1.54	6:05	335	959	691	649	0.48	1.08							1250	Unknown		
35208	CLUSTER	YES	103841.8		30.05	9.03	39.08	28450	Valve	2343.66	Valve	37553.52	36	0.312	52	0.18	0.06	2.99	0.91	5:48	335	1040	749	649	0.45	1.16							1250	Unknown		
35210	MELO-CORR	YES	103843		31.26	7.82	39.08	28450	Valve	2344.87	Valve	37552.31	36	0.312	52	0.17	0.05	1.18	0.39	0.257639	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35212	CLUSTER	YES	103843.4		31.74	7.34	39.08	28450	Valve	2345.35	Valve	37551.83	36	0.312	52	0.17	0.05	22.88	3.46	0.247917	335	948	683	649	0.49	1.07							1250	Unknown		
35226	CLUSTER	YES	103847.4		35.74	3.34	39.08	28450	Valve	2349.35	Valve	37547.83	36	0.312	52	0.17	0.05	7.40	1.13	0.258333	335	991	714	649	0.47	1.10							1250	Unknown		
35230	MELO-CORR	YES	103848.2		36.52	2.56	39.08	28450	Valve	2350.13	Valve	37547.05	36	0.312	52	0.15	0.05	2.60	0.47	6:09	335	1052	758	649	0.44	1.17							1598	Metal Loss		
35231	GirthWeld		103850.8		39.08	37.17	37.17	28460	Valve	2352.69	Valve	37544.49	36	0.312	52					12:31	335			649									1250	Unknown		
35233	CLUSTER	YES	103851		0.19	36.98	37.17	28460	Valve	2352.88	Valve	37544.3	36	0.312	52	0.24	0.08	6.66	2.99	0.247222	335	962	692	649	0.48	1.11							1250	Unknown		
35238	CLUSTER	YES	103851.8		1.01	36.15	37.17	28460	Valve	2353.71	Valve	37543.47	36	0.312	52	0.21	0.07	5.60	1.48	0.242361	335	990	713	649	0.47	1.11							1250	Unknown		
35243	CLUSTER	YES	103853.6		2.84	34.33	37.17	28460	Valve	2355.53	Valve	37541.65	36	0.312	52	0.23	0.07	8.02	1.38	0.254861	335	952	686	649	0.49	1.07							1250	Unknown		
35248	CLUSTER	YES	103855.8		5.01	32.16	37.17	28460	Valve	2357.7	Valve	37539.48	36	0.312	52	0.15	0.05	4.15	1.48	5:48	335	1032	743	649	0.45	1.15							1250	Unknown		
35252	CLUSTER	YES	103857.6		6.81	30.36	37.17	28460	Valve	2359.5	Valve	37537.68	36	0.312	52	0.2	0.06	4.97	1.35	5:49	335	1003	722	649	0.46	1.13							1250	Unknown		
35255	MELO-CORR	YES	103860.8		10.04	27.13	37.17	28460	Valve	2362.73	Valve	37534.45	36	0.312	52	0.18	0.06	1.10	0.24	0.236111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35257	CLUSTER	YES	103861.1		10.33	26.84	37.17	28460	Valve	2363.02	Valve	37534.16	36	0.312	52	0.18	0.06	4.98	0.91	0.236111	335	1011	728	649	0.46	1.14							1250	Unknown		
35260	CLUSTER	YES	103862.5		11.71	25.46	37.17	28460	Valve	2364.4	Valve	37532.78	36	0.312	52	0.22	0.07	9.41	5.03	0.240972	335	948	682	649	0.49	1.10							1250	Unknown		
35267	MELO-CORR	YES	103863		12.21	24.96	37.17	28460	Valve	2364.9	Valve	37532.28	36	0.312	52	0.17	0.05	1.10	0.24	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35270	MELO-CORR	YES	103863.4		12.61	24.56	37.17	28460	Valve	2365.3	Valve	37531.88	36	0.312	52	0.22	0.07	1.42	0.47	6:00	335	1062	765	649	0.44	1.18							1598	Metal Loss		
35271	MELO-CORR	YES	103868.1		17.36	19.81	37.17	28460	Valve	2370.05	Valve	37527.13	36	0.312	52	0.15	0.05	1.14	0.35	0.257639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35272	MELO-CORR	YES	103869.2		18.43	18.74	37.17	28460	Valve	2371.12	Valve	37526.06	36	0.312	52	0.17	0.05	1.14	0.20	0.227083	335	1069	769	649	0.44	1.19							1598	Metal Loss		
35274	CLUSTER	YES	103870.4		19.6	17.57	37.17	28460	Valve	2372.29	Valve	37524.89	36	0.312	52	0.16	0.05	2.36	2.58	0.259722	335	1054	759	649	0.44	1.17							1250	Unknown		
35277	CLUSTER	YES	103872.8		22	15.16	37.17	28460	Valve	2374.69	Valve	37522.49	36	0.312	52	0.16	0.05	9.64	5.41	5:58	335	983	708	649	0.47	1.11							1250	Unknown		
35285	CLUSTER	YES	103873.3		22.49	14.68	37.17	28460	Valve	2375.18	Valve	37522	36	0.312	52	0.16	0.05	2.27	0.76	6:33	335	1055	759	649	0.44	1.17							1250	Unknown		
35289	CLUSTER	YES	103880.7		29.88	7.29	37.17	28460	Valve	2382.57	Valve	37514.61	36	0.312	52	0.21	0.07	9.14	2.70	0.246528	335	956	688	649	0.49	1.11							1250	Unknown		
35298	CLUSTER	YES	103881.2		30.43	6.74	37.17	28460	Valve	2383.12	Valve	37514.06	36	0.312	52	0.2	0.06	5.50	2.64	0.224306	335	996	717	649	0.47	1.13							1250	Unknown		
35303	CLUSTER	YES	103882.2		31.41	5.76	37.17	28460	Valve	2384.1	Valve	37513.08	36	0.312	52	0.18	0.06	10.10	3.08	0.245139	335	969	697	649	0.48	1.09							1250	Unknown		
35310	MELO-CORR	YES	103884.1		33.34	3.83	37.17	28460	Valve	2386.03	Valve	37511.15	36	0.312	52	0.16	0.05	1.18	0.39	6:07	335	1069	769	649	0.44	1.19							1598	Metal Loss		
35312	CLUSTER	YES	103885.1		34.29	2.88	37.17	28460	Valve	2386.98	Valve	37510.2	36	0.312	52	0.2	0.06	12.58	3.77	6:09	335	945	681	649	0.49	1.09							1250	Unknown		
35321	MELO-CORR	YES	103886.3		35.5	1.66	37.17	28460	Valve	2388.19	Valve	37508.99	36	0.312	52	0.16	0.05	1.30	0.20	0.257639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
35322	MELO-CORR	YES	103886.7		35.89	1.28	37.17	28460	Valve	2388.58	Valve	37508.6	36	0.312	52	0.16	0.05	1.14	0.43	0.245833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35324	CLUSTER	YES	103887.2		36.41	0.76	37.17	28460	Valve	2389.1	Valve	37508.08	36	0.312	52	0.17	0.05	7.85	3.65	0.241667	335	988	711	649	0.47	1.11							1250	Unknown		
35329	GirthWeld		103888		37.17	39.74	39.74	28470	Valve	2389.86	Valve	37507.32	36	0.312	52					1:34	335			649									1250	Unknown		
35331	CLUSTER	YES	103896.8		8.81	30.93	39.74	28470	Valve	2398.67	Valve	37498.51	36	0.312	52	0.2	0.06	10.79	3.74	5:49	335	953	686	649	0.49	1.08							1250	Unknown		
35340	CLUSTER	YES	103899.8		11.8	27.94	39.74	28470	Valve	2401.66	Valve	37495.52	36	0.312	52	0.16	0.05	8.90	1.07	0.26875	335	987	711	649	0.47	1.11							1250	Unknown		
35343	CLUSTER	YES	103900.1		12.15	27.59	39.74	28470	Valve	2402.01	Valve	37495.17	36	0.312	52	0.17	0.05	9.62	2.70	0.238194	335	977	704	649	0.48	1.10							1250	Unknown		
35351	CLUSTER	YES	103901.5		13.51	26.23	39.74	28470	Valve	2403.37	Valve	37493.81	36	0.312	52	0.17	0.05	3.41	1.10	0.255556	335	1036	746	649	0.45	1.15							1250	Unknown		
35354	CLUSTER	YES	103901.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
35420	MELO-CORR	YES	103959.4		31.69	8.13	39.82	28480	Valve	2461.29	Valve	37435.89	36	0.312	52	0.25	0.08	3.19	0.91	6:05	335	1019	734	649	0.46	1.14							1598	Metal Loss		
35422	CLUSTER	YES	103961.5		33.81	6.01	39.82	28480	Valve	2463.41	Valve	37433.77	36	0.312	52	0.28	0.09	3.20	1.92	5:57	335	1011	728	649	0.46	1.14							1250	Unknown		
35425	MELO-CORR	YES	103963.3		35.6	4.23	39.82	28480	Valve	2465.2	Valve	37431.98	36	0.312	52	0.27	0.08	4.29	0.98	0.254167	335	987	711	649	0.47	1.10							1598	Metal Loss		
35427	CLUSTER	YES	103965.3		37.61	2.21	39.82	28480	Valve	2467.21	Valve	37429.97	36	0.312	52	0.16	0.05	1.31	2.20	0.247917	335	1067	768	649	0.44	1.18							1250	Unknown		
35430	CLUSTER	YES	103966.4		38.74	1.08	39.82	28480	Valve	2468.34	Valve	37428.84	36	0.312	52	0.27	0.08	4.92	0.50	0.259028	335	974	702	649	0.48	1.10							1250	Unknown		
35432	GirthWeld		103967.5		39.82	39.67	39.67	28490	Valve	2469.42	Valve	37427.76	36	0.312	52					10:56	335			649									1250	Unknown		
35434	CLUSTER	YES	103986.1		18.55	21.12	39.67	28490	Valve	2487.97	Valve	37409.21	36	0.312	52	0.17	0.05	10.15	1.38	6:07	335	975	702	649	0.48	1.10							1250	Unknown		
35439	CLUSTER	YES	103989.5		22.03	17.65	39.67	28490	Valve	2491.45	Valve	37405.73	36	0.312	52	0.24	0.08	11.10	2.52	0.247222	335	924	666	649	0.50	1.08							1250	Unknown		
35449	MELO-CORR	YES	103990.9		23.39	16.28	39.67	28490	Valve	2492.81	Valve	37404.37	36	0.312	52	0.17	0.05	1.10	0.20	0.255556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35451	CLUSTER	YES	103991.4		23.84	15.83	39.67	28490	Valve	2493.26	Valve	37403.92	36	0.312	52	0.25	0.08	5.81	0.60	0.248611	335	968	697	649	0.48	1.12							1250	Unknown		
35454	CLUSTER	YES	103996		28.44	11.23	39.67	28490	Valve	2497.86	Valve	37399.32	36	0.312	52	0.26	0.08	6.34	2.29	5:57	335	955	688	649	0.49	1.08							1250	Unknown		
35458	MELO-CORR	YES	103998.4		30.85	8.82	39.67	28490	Valve	2500.27	Valve	37396.91	36	0.312	52	0.26	0.08	2.52	0.47	5:59	335	1034	744	649	0.45	1.15							1598	Metal Loss		
35459	MELO-CORR	YES	104000.7		33.15	6.52	39.67	28490	Valve	2502.57	Valve	37394.61	36	0.312	52	0.15	0.05	1.14	0.35	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35460	GirthWeld		104007.2		39.67	39.85	39.85	28500	Valve	2509.09	Valve	37388.09	36	0.312	52					0.517361	335			649									1250	Unknown		
35462	CLUSTER	YES	104009.8		2.62	37.23	39.85	28500	Valve	2511.71	Valve	37385.47	36	0.312	52	0.15	0.05	15.71	4.34	0.241667	335	972	700	649	0.48	1.09							1250	Unknown		
35478	CLUSTER	YES	104016.9		9.72	30.13	39.85	28500	Valve	2518.81	Valve	37378.37	36	0.312	52	0.21	0.07	7.01	2.14	5:58	335	973	701	649	0.48	1.10							1250	Unknown		
35484	CLUSTER	YES	104017.7		10.47	29.38	39.85	28500	Valve	2519.56	Valve	37377.62	36	0.312	52	0.2	0.06	2.68	1.04	5:52	335	1042	750	649	0.45	1.16							1250	Unknown		
35487	CLUSTER	YES	104018.6		11.38	28.47	39.85	28500	Valve	2520.46	Valve	37376.71	36	0.312	52	0.15	0.05	9.30	1.57	0.244444	335	991	714	649	0.47	1.11							1250	Unknown		
35493	CLUSTER	YES	104021.8		14.61	25.24	39.85	28500	Valve	2523.7	Valve	37373.48	36	0.312	52	0.23	0.07	10.50	2.39	0.247222	335	934	673	649	0.50	1.09							1250	Unknown		
35497	MELO-CORR	YES	104023.5		16.32	23.53	39.85	28500	Valve	2525.41	Valve	37371.77	36	0.312	52	0.15	0.05	1.06	0.35	0.25625	335	1070	770	649	0.43	1.19							1598	Metal Loss		
35499	CLUSTER	YES	104031.3		24.1	15.75	39.85	28500	Valve	2533.19	Valve	37363.99	36	0.312	52	0.16	0.05	6.96	1.64	6:00	335	1000	720	649	0.47	1.11							1250	Unknown		
35504	CLUSTER	YES	104032.2		24.97	14.88	39.85	28500	Valve	2534.06	Valve	37363.12	36	0.312	52	0.25	0.08	13.14	2.61	5:55	335	908	654	649	0.51	1.09							1250	Unknown		
35512	GirthWeld		104047		39.85	35.42	35.42	28510	Valve	2548.94	Valve	37348.24	36	0.312	52					0.079861	335			649									1250	Unknown		
35513	GirthWeld		104082.5		35.42	39.91	39.9	28520	Valve	2584.36	Valve	37312.82	36	0.312	52					0.459722	335			649									1250	Unknown		
35514	GirthWeld		104122.4		39.91	39.59	39.59	28530	Valve	2624.27	Valve	37272.91	36	0.312	52					0.513889	335			649									1250	Unknown		
35515	GirthWeld		104162		39.59	18.95	18.95	28540	Valve	2663.86	Valve	37233.32	36	0.312	52					10:18	335			649									1250	Unknown		
35516	GirthWeld		104180.9		18.95	39.8	39.8	28550	Valve	2682.81	Valve	37214.37	36	0.312	52					12:10	335			649									1250	Unknown		
35517	GirthWeld		104220.7		39.8	39.45	39.45	28560	Valve	2722.61	Valve	37174.57	36	0.312	52					0.486111	335			649									1250	Unknown		
35518	GirthWeld		104260.2		39.45	39.72	39.72	28570	Valve	2762.06	Valve	37135.12	36	0.312	52					0.414583	335			649									1250	Unknown		
35519	GirthWeld		104299.9		39.72	39.22	39.22	28580	Valve	2801.78	Valve	37095.4	36	0.312	52					0.088194	335			649									1250	Unknown		
35520	GirthWeld		104339.1		39.22	39.8	39.8	28590	Valve	2841	Valve	37056.18	36	0.312	52					12:44	335			649									1250	Unknown		
35521	GirthWeld		104378.9		39.8	39.48	39.48	28600	Valve	2880.8	Valve	37016.38	36	0.312	52					9:58	335			649									1250	Unknown		
35522	GirthWeld		104418.4		39.48	39.74	39.74	28610	Valve	2920.28	Valve	36976.9	36	0.312	52					0.468056	335			649									1250	Unknown		
35523	GirthWeld		104458.1		39.74	39.01	39.01	28620	Valve	2960.02	Valve	36937.16	36	0.312	52					0.530556	335			649									1250	Unknown		
35524	GirthWeld		104497.1		39.01	36.24	36.24	28630	Valve	2999.03	Valve	36898.15	36	0.312	52					0.086111	335			649									1250	Unknown		
35525	GirthWeld		104533.4		36.24	39.09	39.08	28640	Valve	3035.27	Valve	36861.91	36	0.312	52					10:22	335			649									1250	Unknown		
35526	MIFE	n/a	104547.1		13.77	25.31	39.08	28640	Valve	3049.04	Valve	36848.14	36	0.312	52					1:16	335			649									2167	Mill Anomaly		
35527	MIFE	n/a	104562.3		28.91	10.18	39.08	28640	Valve	3064.18	Valve	36833	36	0.312	52					0.442361	335			649									2167	Mill Anomaly		
35528	GirthWeld		104572.5		39.09	39.85	39.85	28650	Valve	3074.36	Valve	36822.82	36	0.312	52					0.469444	335			649									1250	Unknown		
35530	CLUSTER	YES	104607		34.56	5.29	39.85	28650	Valve	3108.92	Valve	36788.26	36	0.312	52	0.27	0.08	6.28	1.35	0.244444	335	951	685	649	0.49	1.11							1250	Unknown		
35535	MELO-CORR	YES	104610.5		38.06	1.78	39.85	28650	Valve	3112.42	Valve	36784.76	36	0.312	52	0.2	0.06	1.18	0.59	6:18	335	1067	768	649	0.44	1.18							1598	Metal Loss		
35536	GirthWeld		104612.3		39.85	39.78	39.78	28660	Valve	3114.21	Valve	36782.97	36	0.312	52					2:56	335			649									1250	Unknown		
35538	CLUSTER	YES	104638.8		26.5	13.28	39.78	28660	Valve	3140.71	Valve	36756.46	36	0.312	52	0.17	0.05	3.77	1.42	0.245139	335	1031	742	649	0.45	1.15							1250	Unknown		
35542	CLUSTER	YES	104644		31.73	8.05	39.78	28660	Valve	3145.94	Valve	36751.24	36	0.312	52	0.16	0.05	5.50	2.23	0.239583	335	1013	729	649	0.46	1.13							1250	Unknown		
35548	CLUSTER	YES	104645		32.71	7.07	39.78	28660	Valve	3146.92	Valve	36750.26	36	0.312	52	0.39	0.12	25.02	5.41	0.240278	335	769	553	649	0.61	0.97							1250	Unknown		
35569	GirthWeld		104652.1		39.78	39.88	39.88	28670	Valve	3153.99	Valve	36743.19	36	0.312	52					12:54	335			649									1250	Unknown		
35571	CLUSTER	YES	104655.9		3.77	36.12	39.88	28670	Valve	3157.76	Valve	36739.42	36	0.312	52	0.15	0.05	14.64	2.39	5:33	335	974	701	649	0.48	1.09							1250	Unknown		
35584	CLUSTER	YES	104658.3		6.22	33.67	39.88	28670	Valve	3160.21	Valve	36736.97	36	0.312	52	0.17	0.05	10.24	1.32	0.236806	335	974	702	649	0.48	1.10							1250	Unknown		
35590	CLUSTER	YES	104667.4		15.32	24.57	39.88	28670	Valve	3169.31	Valve	36727.87	36	0.312	52	0.16	0.05	35.09	3.27	0.25625	335	947	682	649	0.49	1.07							1250	Unknown		
35605	CLUSTER	YES	104672.3		20.19	19.69	39.88	28670	Valve	3174.18	Valve	36723	36	0.312	52	0.15	0.05	6.20	0.88	0.23125	335	1011	728	649	0.46	1.13							1250	Unknown		
35609	CLUSTER	YES	104677.9		25.82	14.07	39.88	28670	Valve	3179.81	Valve	36717.37	36	0.312	52	0.17	0.05	1.50	1.07	5:54	335	1064	766	649	0.44	1.18							1250	Unknown		
35611	GirthWeld		104692		39.88	39.82	39.81	28680	Valve	3193.87	Valve	36703.31	36	0.312	52					11:13	335			649									1250	Unknown		
35613	CLUSTER	YES	104692		0.03	39.79	39.81	28680	Valve	3193.9	Valve	36703.28	36	0.312	52	0.15	0.05	5.12	1.70	0.238889	335	1021	735	649	0.46	1.14							1250	Unknown		
35616	CLUSTER	YES	104696.8		4.8	35.01	39.81	28680	Valve	3198.67	Valve	36698.51	36	0.312	52	0.17	0.05	4.32	0.47	0.24375	335	1023	737	649	0.45	1.13							1250	Unknown		
35620	CLUSTER	YES	104697.7		5.73	34.09	39.81	28680	Valve	3199.6	Valve	36697.58	36	0.312	52	0.22	0.07	6.26	2.77	0.245139	335	977	703	649	0.48	1.11							1250	Unknown		
35624	CLUSTER	YES	104699.8		7.88	31.93	39.81	28680	Valve	3201.75	Valve	36695.43	36	0.312	52	0.2	0.06	10.76	3.80	5:50	335	953	686	649	0.49	1.08							1250	Unknown		
35635	CLUSTER	YES	104703.2		11.28	28.54	39.81	28680	Valve	3205.15	Valve	36692.03	36	0.312	52	0.24	0.08	15.42	1.01	6:08	335	907	653	649	0.51	1.03							1250	Unknown		
35642	CLUSTER	YES	104705.9		13.89	25.92	39.81	28680	Valve	3207.76	Valve	36689.42	36	0.312	52	0.18	0.06	5.92	1.29	0.242361	335	1000	720	649	0.47	1.11							1250	Unknown		
35646	CLUSTER	YES	104706.6		14.63	25.18	39.81	28680	Valve	3208.5	Valve	36688.68	36	0.312	52	0.25	0.08	7.90	1.82	0.250694	335	942	678	649	0.49	1.06							1250	Unknown		
35651	CLUSTER	YES	104708.1		16.18	23.64	39.81	28680	Valve	3210.05	Valve	36687.13	36	0.312	52	0.19	0.06	4.90	0.94	0.242361	335	1008	726	649	0.46	1.14							1250	Unknown		
35654	CLUSTER	YES	104708.8		16.84	22.97	39.81	28680	Valve	3210.71	Valve	36686.47	36	0.312	52	0.18	0.06	10.33	2.01	5:44	335	968	697	649	0.48	1.08							1250	Unknown		
35659	CLUSTER	YES	104709.8		17.8	22.02	39.81	28680	Valve	3211.67	Valve	36685.51	36	0.312	52	0.29	0.09	10.78	1.23	6:08	335	892	642	649	0.52	1.02							1250	Unknown		
35665	CLUSTER	YES	104710.8		18.85	20.97	39.81	28680	Valve	3212.72	Valve	36684.46	36	0.312	52	0.2	0.06	6.34	0.88	0.254861	335	986	710	649	0.47	1.12							1250	Unknown		
35668	MELO-CORR	YES	104711.7		19.75	20.07	39.81	28680	Valve	3213.62	Valve	36683.56	36	0.312	52	0.19	0.06	1.14	0.43	0.257639	335	1068	769	649	0.44	1.18							1598	Metal Loss		
35670	CLUSTER	YES	104712.4		20.4	19.41	39.81	28680	Valve	3214.27	Valve	36682.91	36	0.312	52	0.3	0.09	9.25	1.16	0.254167	335	897	646	649	0.52	1.09							1250	Unknown		
35676	CLUSTER	YES	104713.7		21.71	18.11	39.81	28680	Valve	3215.58	Valve	36681.6	36	0.312	52	0.25	0.08	8.63	1.10	6:07	335	935	673	649	0.50	1.07							1250	Unknown		
35681	CLUSTER	YES	104714.6		22.62	17.19	39.81	28680	Valve	3216.49	Valve	36680.69	36	0.312	52	0.24	0.08	2.46	0.57	6:10	335	1039	748	649	0.45	1.16							1250	Unknown		
35683	MELO-CORR	YES	104716.2		24.26	15.56	39.81	28680	Valve	3218.13	Valve	36679.05	36	0.312	52	0.15	0.05	1.22	0.16	0.245139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
35685	CLUSTER	YES	104717.6		25.61	14.21	39.81	28680	Valve	3219.48	Valve	36677.7	36	0.312	52	0.18	0.06	13.90	2.77	0.25625	335	955	687	649	0.49	1.09							1250	Unknown		
35694	CLUSTER	YES	104719.9		27.93	11.89	39.81	28680	Valve	3221.8	Valve	36675.38	36	0.312	52	0.26	0.08	8.98	2.77	0.254861	335	926	667	649	0.50	1.07							1250	Unknown		
35701	CLUSTER	YES	104722.2		30.23	9.59	39.81	28680	Valve	3224.1	Valve	36673.08	36	0.312	52	0.16	0.05	12.01	0.79	6:08	335	974	701	649	0.48	1.09							1250	Unknown		
35708	CLUSTER	YES	104724.2		32.22	7.59	39.81	28680	Valve	3226.09	Valve	36671.09	36	0.312	52	0.17	0.05	5.59	0.91	5:42	335	1008	726	649	0.46	1.13							1250	Unknown		
35713	CLUSTER	YES	104725.8		33.87	5.95	39.81	28680	Valve	3227.74	Valve	36669.44	36	0.312	52	0.18	0.06	3.78	0.76	0.254861	335	1028	740	649	0.45	1.15							1250	Unknown		
35716	CLUSTER	YES	104726.1		34.17	5.65	39.81	28680	Valve	3228.04	Valve	36669.14	36	0.312	52	0.18	0.06	5.54	0.97	0.236806	335	1004	723	649	0.46	1.13							1250	Unknown		
35719	CLUSTER	YES	104729.7		37.72	2.1	39.81	28680	Valve	3231.59	Valve	36665.59	36	0.312	52	0.16	0.05	19.88	2.08	0.253472	335	959	690	649	0.49	1.07							1250	Unknown		
35728	GirthWeld		104731.8		39.82	39.81	39.82	28690	Valve	3233.69	Valve	36663.49	36	0.312	52					1:07	335			649									1250	Unknown		
35729	MELO-CORR	YES	104732.8		1.01	38.81	39.82	28690	Valve	3234.7	Valve	36662.48	36	0.312	52	0.16	0.05	2.28	0.63	6:14	335	1055	760	649	0.44	1.17							1598	Metal Loss		
35731	CLUSTER	YES	104733.9		2.13	37.69	39.82	28690	Valve	3235.82	Valve	36661.36	36	0.312	52	0.15	0.05	8.09	1.10	0.261806	335	997	718	649	0.47	1.11							1250	Unknown		
35735	CLUSTER	YES	104735.7		3.92	35.89	39.82	28690	Valve	3237.61	Valve	36659.57	36	0.312	52	0.17	0.05	6.24	0.94	0.260417	335	1001	721	649	0.46	1.13							1250	Unknown		
35740	CLUSTER	YES	104750.9		19.07	20.74	39.82	28690	Valve	3252.76	Valve	36644.42	36	0.312	52	0.15	0.05	11.80	1.07	0.260417	335	981	706	649	0.47	1.09							1250	Unknown		
35746	GirthWeld		104771.6		39.81	39.85	39.85	28700	Valve	3273.5	Valve	36623.68	36	0.312	52					9:32	335			649									1250	Unknown		
35748	CLUSTER	YES	104796.5		24.87	14.98	39.85	28700	Valve	3298.37	Valve	36598.81	36	0.312	52	0.15	0.05	11.87	2.73	6:11	335	981	706	649	0.47	1.10							1250	Unknown		
35755	CLUSTER	YES	104807		35.41	4.44	39.85	28700	Valve	3308.91	Valve	36588.27	36	0.312	52	0.28	0.09	6.52	1.54	0.254861	335	942	678	649	0.49	1.10							1250	Unknown		
35758	MELO-CORR	YES	104810.5		38.86	0.99	39.85	28700	Valve	3312.36	Valve	36584.82	36	0.312	52	0.18	0.06	1.14	0.24	0.238889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35759	GirthWeld		104811.4		39.85	39.78	39.78	28710	Valve	3313.35	Valve	36583.83	36	0.312	52					0.479861	335			649									1250	Unknown		
35761	CLUSTER	YES	104816.3		4.9	34.87	39.78	28710	Valve	3318.25	Valve	36578.93	36	0.312	52	0.15	0.05	6.49	1.38	5:37	335	1008	726	649	0.46	1.13							1250	Unknown		
35764	MELO-CORR	YES	104821.6		10.12	29.66	39.78	28710	Valve	3323.47	Valve	36573.71	36	0.312	52	0.19	0.06	1.22	0.16	4:37	335	1067	768	649	0.44	1.18							1598	Metal Loss		
35765	MELO-CORR	YES	104831.8		20.38	19.4	39.78	28710	Valve	3333.73	Valve	36563.45	36	0.312	52	0.15	0.05	1.18	0.16	0.240278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35766	MELO-CORR	YES	104832.3		20.9	18.87	39.78	28710	Valve	3334.25	Valve	36562.93	36	0.312	52	0.15	0.05	1.22	0.16	0.240278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
35768	CLUSTER	YES	104838.2		26.72	13.05	39.78	28710	Valve	3340.07	Valve	36557.11	36	0.312	52	0.17	0.05	4.04	0.38	0.243056	335	1027	739	649	0.45	1.14							1250	Unknown		
35770	MELO-CORR	YES	104840		28.56	11.22	39.78	28710	Valve	3341.91	Valve	36555.27	36	0.312	52	0.19	0.06	1.22	0.39	5:44	335	1067	768	649	0.44	1.18							1598	Metal Loss		
35772	CLUSTER	YES	104843.1		31.66	8.12	39.78	28710	Valve	3345.01	Valve	36552.17	36	0.312	52	0.18	0.06	1.31	1.60	6:30	335	1066	768	649	0.44	1.18							1250	Unknown		
35775	CLUSTER	YES	104844.3		32.82	6.96	39.78	28710	Valve	3346.17	Valve	36551.01	36	0.312	52	0.28	0.09	6.82	1.13	0.236111	335	938	675	649	0.50	1.11							1250	Unknown		
35778	MELO-CORR	YES	104845		33.56	6.22	39.78	28710	Valve	3346.91	Valve	36550.27	36	0.312	52	0.15	0.05	1.14	0.39	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
35779	MELO-CORR	YES	104845.6		34.2	5.58	39.78	28710	Valve	3347.55	Valve	36549.63	36	0.312	52	0.19	0.06	1.14	0.24	0.240278	335	1067	769	649	0.44	1.18							1598	Metal Loss		
35780	MELO-CORR	YES	104848.7		37.21	2.57	39.78	28710	Valve	3350.56	Valve	36546.62	36	0.312	52	0.17	0.05	1.14	0.20	5:36	335	1068	769	649	0.44	1.19							1598	Metal Loss		
35781	GirthWeld		104851.2		39.78	39.84	39.84	28720	Valve	3353.13	Valve	36544.05	36	0.312	52					12:58	335			649									1250	Unknown		
35783	CLUSTER	YES	104855.6		4.38	35.46	39.84	28720	Valve	3357.51	Valve	36539.67	36	0.312	52	0.19	0.06	20.60	7.64	0.238194	335	935	673	649	0.50	1.08							1250	Unknown		
35803	CLUSTER	YES	104862.6		11.41	28.43	39.84	28720	Valve	3364.54	Valve	36532.64	36	0.312	52	0.24	0.08	5.88	1.20	0.245833	335	972	700	649	0.48	1.10							1250	Unknown		
35809	CLUSTER	YES	104867.8		16.58	23.26	39.84	28720	Valve	3369.71	Valve	36527.47	36	0.312	52	0.17	0.05	5.42	0.54	0.258333	335	1009	727	649	0.46	1.13							1250	Unknown		
35812	CLUSTER	YES	104883.6		32.34	7.49	39.84	28720	Valve	3385.47	Valve	36511.71	36	0.312	52	0.15	0.05	9.59	1.73	6:11	335	990	712	649	0.47	1.11							1250	Unknown		
35818	CLUSTER	YES	104884.5		33.24	6.6	39.84

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
35876	CLUSTER	YES	104984.6		14.01	25.81	39.82	28750	Valve	3486.48	Valve	36410.7	36	0.312	52	0.23	0.07	23.03	1.82	5:43	335	901	649	649	0.52	1.03							1250	Unknown		
35882	MELO-CORR	YES	104987.9		17.32	22.5	39.82	28750	Valve	3489.79	Valve	36407.39	36	0.312	52	0.25	0.08	1.42	0.16	5:44	335	1060	763	649	0.44	1.18							1598	Metal Loss		
35884	CLUSTER	YES	104988.1		17.56	22.26	39.82	28750	Valve	3490.03	Valve	36407.15	36	0.312	52	0.29	0.09	17.10	4.09	0.238889	335	865	623	649	0.54	1.05							1250	Unknown		
35893	CLUSTER	YES	104990.7		20.17	19.65	39.82	28750	Valve	3492.64	Valve	36404.54	36	0.312	52	0.24	0.08	7.46	0.47	0.257639	335	952	685	649	0.49	1.09							1250	Unknown		
35895	CLUSTER	YES	104990.8		20.22	19.6	39.82	28750	Valve	3492.69	Valve	36404.49	36	0.312	52	0.15	0.05	6.08	0.76	0.243056	335	1012	728	649	0.46	1.12							1250	Unknown		
35902	CLUSTER	YES	104991.5		20.96	18.86	39.82	28750	Valve	3493.43	Valve	36403.75	36	0.312	52	0.19	0.06	11.44	1.98	6:09	335	956	689	649	0.49	1.09							1250	Unknown		
35904	CLUSTER	YES	104991.6		21.01	18.81	39.82	28750	Valve	3493.48	Valve	36403.7	36	0.312	52	0.18	0.06	11.17	2.14	5:43	335	964	694	649	0.48	1.09							1250	Unknown		
35915	CLUSTER	YES	104993.2		22.61	17.21	39.82	28750	Valve	3495.08	Valve	36402.1	36	0.312	52	0.2	0.06	6.83	2.52	0.252778	335	981	706	649	0.47	1.10							1250	Unknown		
35920	CLUSTER	YES	104994.6		23.99	15.83	39.82	28750	Valve	3496.46	Valve	36400.72	36	0.312	52	0.16	0.05	6.92	1.20	0.241667	335	1000	720	649	0.47	1.11							1250	Unknown		
35925	CLUSTER	YES	104995.1		24.55	15.26	39.82	28750	Valve	3497.02	Valve	36400.16	36	0.312	52	0.25	0.08	13.03	4.02	0.242361	335	908	654	649	0.51	1.05							1250	Unknown		
35940	CLUSTER	YES	104996.4		25.88	13.94	39.82	28750	Valve	3498.35	Valve	36398.83	36	0.312	52	0.26	0.08	45.49	6.07	5:43	335	858	618	649	0.54	1.02							1250	Unknown		
35975	CLUSTER	YES	105001.2		30.6	9.22	39.82	28750	Valve	3503.07	Valve	36394.11	36	0.312	52	0.16	0.05	10.97	3.14	5:54	335	978	704	649	0.48	1.09							1250	Unknown		
35980	CLUSTER	YES	105005.5		34.89	4.93	39.82	28750	Valve	3507.36	Valve	36389.82	36	0.312	52	0.17	0.05	4.12	0.72	0.259722	335	1026	738	649	0.45	1.14							1250	Unknown		
35984	CLUSTER	YES	105008.3		37.77	2.05	39.82	28750	Valve	3510.24	Valve	36386.94	36	0.312	52	0.18	0.06	9.10	3.30	0.245833	335	974	701	649	0.48	1.08							1250	Unknown		
35990	MELO-CORR	YES	105008.9		38.35	1.47	39.82	28750	Valve	3510.82	Valve	36386.36	36	0.312	52	0.2	0.06	3.50	0.98	0.240972	335	1027	739	649	0.45	1.14							1598	Metal Loss		
35992	CLUSTER	YES	105009.3		38.72	1.1	39.82	28750	Valve	3511.19	Valve	36385.99	36	0.312	52	0.19	0.06	2.44	0.91	6:11	335	1048	754	649	0.44	1.17							1250	Unknown		
35994	CLUSTER	YES	105009.3		38.73	1.09	39.82	28750	Valve	3511.2	Valve	36385.98	36	0.312	52	0.26	0.08	6.53	2.23	5:42	335	952	686	649	0.49	1.11							1250	Unknown		
35999	GirthWeld		105010.4		39.82	39.62	39.62	28760	Valve	3512.29	Valve	36384.89	36	0.312	52					0.31875	335			649									1250	Unknown		
36000	MELO-CORR	YES	105011.3		0.88	38.74	39.62	28760	Valve	3513.17	Valve	36384.01	36	0.312	52	0.15	0.05	1.22	0.47	0.257639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
36002	CLUSTER	YES	105018		7.6	32.02	39.62	28760	Valve	3519.89	Valve	36377.29	36	0.312	52	0.17	0.05	11.82	4.15	0.246528	335	968	697	649	0.48	1.08							1250	Unknown		
36013	CLUSTER	YES	105018.9		8.53	31.09	39.62	28760	Valve	3520.82	Valve	36376.36	36	0.312	52	0.19	0.06	8.53	0.76	5:50	335	972	700	649	0.48	1.09							1250	Unknown		
36018	CLUSTER	YES	105020.9		10.54	29.08	39.62	28760	Valve	3522.83	Valve	36374.35	36	0.312	52	0.24	0.08	15.55	1.92	5:46	335	907	653	649	0.51	1.06							1250	Unknown		
36026	CLUSTER	YES	105022.2		11.85	27.76	39.62	28760	Valve	3524.15	Valve	36373.03	36	0.312	52	0.2	0.06	9.05	1.57	0.258333	335	962	693	649	0.48	1.09							1250	Unknown		
36031	CLUSTER	YES	105023		12.59	27.03	39.62	28760	Valve	3524.88	Valve	36372.3	36	0.312	52	0.17	0.05	7.03	0.57	0.245833	335	994	716	649	0.47	1.12							1250	Unknown		
36034	MELO-CORR	YES	105024.1		13.72	25.9	39.62	28760	Valve	3526.01	Valve	36371.17	36	0.312	52	0.15	0.05	1.46	0.43	0.263194	335	1066	768	649	0.44	1.18							1598	Metal Loss		
36035	MELO-CORR	YES	105025.8		15.4	24.21	39.62	28760	Valve	3527.7	Valve	36369.48	36	0.312	52	0.16	0.05	1.18	0.24	6:49	335	1069	769	649	0.44	1.19							1598	Metal Loss		
36037	CLUSTER	YES	105029.3		18.87	20.75	39.62	28760	Valve	3531.16	Valve	36366.02	36	0.312	52	0.18	0.06	14.63	4.84	5:46	335	953	686	649	0.49	1.09							1250	Unknown		
36049	CLUSTER	YES	105030.6		20.24	19.38	39.62	28760	Valve	3532.53	Valve	36364.65	36	0.312	52	0.15	0.05	11.57	1.51	0.268056	335	982	707	649	0.47	1.10							1250	Unknown		
36055	CLUSTER	YES	105035.7		25.26	14.35	39.62	28760	Valve	3537.56	Valve	36359.62	36	0.312	52	0.2	0.06	15.44	4.78	0.240278	335	937	674	649	0.50	1.07							1250	Unknown		
36063	CLUSTER	YES	105036.8		26.41	13.21	39.62	28760	Valve	3538.7	Valve	36358.48	36	0.312	52	0.2	0.06	5.99	0.66	0.240278	335	990	713	649	0.47	1.13							1250	Unknown		
36067	CLUSTER	YES	105037.3		26.96	12.66	39.62	28760	Valve	3539.25	Valve	36357.93	36	0.312	52	0.17	0.05	3.97	0.79	6:11	335	1028	740	649	0.45	1.15							1250	Unknown		
36071	CLUSTER	YES	105040.3		29.88	9.74	39.62	28760	Valve	3542.17	Valve	36355.01	36	0.312	52	0.17	0.05	5.59	2.08	6:14	335	1008	726	649	0.46	1.13							1250	Unknown		
36076	CLUSTER	YES	105041		30.58	9.04	39.62	28760	Valve	3542.87	Valve	36354.31	36	0.312	52	0.15	0.05	7.00	0.63	0.259028	335	1004	723	649	0.46	1.11							1250	Unknown		
36080	CLUSTER	YES	105043.2		32.77	6.84	39.62	28760	Valve	3545.06	Valve	36352.12	36	0.312	52	0.15	0.05	11.29	2.64	0.25625	335	983	708	649	0.47	1.10							1250	Unknown		
36086	MELO-CORR	YES	105043.7		33.29	6.33	39.62	28760	Valve	3545.58	Valve	36351.6	36	0.312	52	0.17	0.05	1.10	0.39	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36090	CLUSTER	YES	105044.7		34.32	5.29	39.62	28760	Valve	3546.61	Valve	36350.57	36	0.312	52	0.24	0.08	11.62	1.76	5:46	335	922	664	649	0.50	1.06							1250	Unknown		
36093	MELO-CORR	YES	105045		34.61	5.01	39.62	28760	Valve	3546.9	Valve	36350.28	36	0.312	52	0.15	0.05	1.14	0.32	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36098	CLUSTER	YES	105046.3		35.91	3.7	39.62	28760	Valve	3548.21	Valve	36348.97	36	0.312	52	0.24	0.08	39.07	7.86	0.234028	335	879	633	649	0.53	1.04							1250	Unknown		
36102	MELO-CORR	YES	105046.8		36.37	3.25	39.62	28760	Valve	3548.66	Valve	36348.52	36	0.312	52	0.19	0.06	1.22	0.20	0.245139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
36124	GirthWeld		105050		39.62	39.07	39.07	28770	Valve	3551.91	Valve	36345.27	36	0.312	52					0.380556	335			649									1250	Unknown		
36126	CLUSTER	YES	105051.9		1.93	37.14	39.07	28770	Valve	3553.84	Valve	36343.34	36	0.312	52	0.16	0.05	4.81	0.66	5:50	335	1021	735	649	0.46	1.14							1250	Unknown		
36130	CLUSTER	YES	105052.6		2.6	36.48	39.07	28770	Valve	3554.51	Valve	36342.67	36	0.312	52	0.2	0.06	18.66	5.78	5:47	335	930	670	649	0.50	1.06							1250	Unknown		
36144	CLUSTER	YES	105055.4		5.35	33.72	39.07	28770	Valve	3557.26	Valve	36339.92	36	0.312	52	0.2	0.06	14.80	1.16	0.243056	335	938	675	649	0.50	1.08							1250	Unknown		
36150	MELO-CORR	YES	105062		11.95	27.12	39.07	28770	Valve	3563.86	Valve	36333.32	36	0.312	52	0.18	0.06	1.14	0.43	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36152	CLUSTER	YES	105063.3		13.26	25.81	39.07	28770	Valve	3565.17	Valve	36332.01	36	0.312	52	0.16	0.05	7.68	2.17	0.232639	335	995	716	649	0.47	1.11							1250	Unknown		
36156	CLUSTER	YES	105063.9		13.94	25.13	39.07	28770	Valve	3565.85	Valve	36331.33	36	0.312	52	0.2	0.06	14.98	3.17	5:57	335	938	675	649	0.50	1.08							1250	Unknown		
36165	CLUSTER	YES	105065.3		15.28	23.79	39.07	28770	Valve	3567.19	Valve	36329.99	36	0.312	52	0.19	0.06	7.03	3.55	5:47	335	984	708	649	0.47	1.11							1250	Unknown		
36172	CLUSTER	YES	105066		16	23.07	39.07	28770	Valve	3567.91	Valve	36329.27	36	0.312	52	0.15	0.05	2.84	0.79	0.240972	335	1049	755	649	0.44	1.16							1250	Unknown		
36175	CLUSTER	YES	105066.3		16.25	22.82	39.07	28770	Valve	3568.16	Valve	36329.02	36	0.312	52	0.23	0.07	14.53	4.31	0.247222	335	917	660	649	0.51	1.07							1250	Unknown		
36187	CLUSTER	YES	105067.8		17.77	21.3	39.07	28770	Valve	3569.68	Valve	36327.5	36	0.312	52	0.2	0.06	6.65	1.79	0.253472	335	982	707	649	0.47	1.11							1250	Unknown		
36193	CLUSTER	YES	105069.1		19.12	19.95	39.07	28770	Valve	3571.03	Valve	36326.15	36	0.312	52	0.23	0.07	46.18	3.71	5:52	335	883	636	649	0.53	1.05							1250	Unknown		
36233	CLUSTER	YES	105073.9		23.85	15.22	39.07	28770	Valve	3575.76	Valve	36321.41	36	0.312	52	0.15	0.05	19.19	2.67	5:42	335	967	696	649	0.48	1.08							1250	Unknown		
36238	CLUSTER	YES	105074.6		24.59	14.48	39.07	28770	Valve	3576.5	Valve	36320.68	36	0.312	52	0.21	0.07	9.41	2.23	0.258333	335	954	687	649	0.49	1.08							1250	Unknown		
36249	CLUSTER	YES	105075.8		25.8	13.27	39.07	28770	Valve	3577.71	Valve	36319.47	36	0.312	52	0.16	0.05	6.78	4.40	0.241667	335	1001	721	649	0.46	1.12							1250	Unknown		
36257	CLUSTER	YES	105077.5		27.54	11.53	39.07	28770	Valve	3579.45	Valve	36317.73	36	0.312	52	0.18	0.06	4.09	1.07	0.2375	335	1023	737	649	0.45	1.15							1250	Unknown		
36259	MELO-CORR	YES	105077.8		27.75	11.32	39.07	28770	Valve	3579.66	Valve	36317.52	36	0.312	52	0.17	0.05	1.14	0.20	6:24	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36261	CLUSTER	YES	105079.4		29.38	9.69	39.07	28770	Valve	3581.29	Valve	36315.89	36	0.312	52	0.19	0.06	9.70	0.72	6:15	335	965	695	649	0.48	1.09							1250	Unknown		
36266	CLUSTER	YES	105080.8		30.79	8.28	39.07	28770	Valve	3582.7	Valve	36314.48	36	0.312	52	0.18	0.06	11.83	1.64	0.236806	335	961	692	649	0.48	1.09							1250	Unknown		
36268	MELO-CORR	YES	105081.2		31.22	7.85	39.07	28770	Valve	3583.13	Valve	36314.05	36	0.312	52	0.17	0.05	1.14	0.47	0.264583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
36272	CLUSTER	YES	105085.1		35.11	3.96	39.07	28770	Valve	3587.02	Valve	36310.16	36	0.312	52	0.18	0.06	2.60	0.76	0.26875	335	1047	754	649	0.44	1.17							1250	Unknown		
36274	GirthWeld		105089.1		39.07	39.9	39.89	28780	Valve	3590.98	Valve	36306.2	36	0.312	52					10:26	335			649									1250	Unknown		
36275	MELO-CORR	YES	105093.9		4.85	35.05	39.89	28780	Valve	3595.83	Valve	36301.35	36	0.312	52	0.16	0.05	1.22	0.39	5:44	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36277	CLUSTER	YES	105102.3		13.2	26.7	39.89	28780	Valve	3604.18	Valve	36293	36	0.312	52	0.16	0.05	2.77	0.54	0.240278	335	1048	755	649	0.44	1.17							1250	Unknown		
36279	GirthWeld		105129		39.89	39.88	39.87	28790	Valve	3630.88	Valve	36266.3	36	0.312	52					0.526389	335			649									1250	Unknown		
36280	GirthWeld		105168.8		39.87	39.77	39.77	28800	Valve	3670.75	Valve	36226.43	36	0.312	52					0.095833	335			649									1250	Unknown		
36281	GirthWeld		105208.6		39.77	39.69	39.68	28810	Valve	3710.52	Valve	36186.66	36	0.312	52					12:44	335			649									1250	Unknown		
36282	GirthWeld		105248.3		39.69	39.93	39.94	28820	Valve	3750.21	Valve	36146.97	36	0.312	52					11:32	335			649									1250	Unknown		
36283	GirthWeld		105288.2		39.93	39.8	39.79	28830	Valve	3790.14	Valve	36107.04	36	0.312	52					0.413889	335			649									1250	Unknown		
36284	MELO-CORR	YES	105327.4		39.13	0.66	39.79	28830	Valve	3829.27	Valve	36067.91	36	0.312	52	0.15	0.05	1.18	0.16	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36285	GirthWeld		105328		39.8	39.22	39.22	28840	Valve	3829.94	Valve	36067.24	36	0.312	52					0.115278	335			649									1250	Unknown		
36286	GirthWeld		105367.3		39.22	38.71	38.71	28850	Valve	3869.16	Valve	36028.02	36	0.312	52					12:44	335			649									1250	Unknown		
36287	MELO-CORR	YES	105385.4		18.1	20.61	38.71	28850	Valve	3887.26	Valve	36009.92	36	0.312	52	0.15	0.05	1.18	0.20	6:10	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36288	GirthWeld		105406		38.71	39.1	39.1	28860	Valve	3907.87	Valve	35989.31	36	0.312	52					0.423611	335			649									1250	Unknown		
36289	GirthWeld		105445.1		39.1	39.08	39.08	28870	Valve	3946.97	Valve	35950.21	36	0.312	52					0.475	335			649									1250	Unknown		
36290	GirthWeld		105484.1		39.08	34.1	34.1	28880	Valve	3986.05	Valve	35911.13	36	0.312	52					0.102778	335			649									1250	Unknown		
36291	GirthWeld		105518.2		34.1	39.79	39.79	28890	Valve	4020.15	Valve	35877.03	36	0.312	52					12:58	335			649									1250	Unknown		
36292	GirthWeld		105558		39.79	39.83	39.83	28900	Valve	4059.94	Valve	35837.24	36	0.312	52					9:30	335			649									1250	Unknown		
36293	MELO-CORR	YES	105582.5		24.45	15.38	39.83	28900	Valve	4084.39	Valve	35812.79	36	0.312	52	0.17	0.05	1.14	0.47	0.245139	335	1069	769	649	0.44	1.19							1598	Metal Loss		
36294	GirthWeld		105597.9		39.83	39.76	39.76	28910	Valve	4099.77	Valve	35797.41	36	0.312	52					0.469444	335			649									1250	Unknown		
36295	GirthWeld		105637.6		39.76	39.87	39.87	28920	Valve	4139.53	Valve	35757.65	36	0.312	52					0.052778	335			649									1250	Unknown		
36296	GirthWeld		105677.5		39.87	38.94	38.94	28930	Valve	4179.4	Valve	35717.78	36	0.312	52					10:58	335			649									1250	Unknown		
36297	GirthWeld		105716.4		38.94	39.53	39.53	28940	Valve	4218.34	Valve	35678.84	36	0.312	52					1:44	335			649									1250	Unknown		
36298	GirthWeld		105756		39.53	39.81	39.81	28950	Valve	4257.87	Valve	35639.31	36	0.312	52					0.529167	335			649									1250	Unknown		
36299	MELO-CORR	YES	105763.8		7.82	31.99	39.81	28950	Valve	4265.69	Valve	35631.49	36	0.312	52	0.17	0.05	1.22	0.20	0.244444	335	1068	769	649	0.44	1.18							1598	Metal Loss		
36301	CLUSTER	YES	105789.3		33.33	6.48	39.81	28950	Valve	4291.2	Valve	35605.98	36	0.312	52	0.17	0.05	3.58	2.80	0.245139	335	1034	744	649	0.45	1.15							1250	Unknown		
36304	GirthWeld		105795.8		39.81	39.42	39.42	28960	Valve	4297.68	Valve	35599.5	36	0.312	52					10:16	335			649									1250	Unknown		
36305	GirthWeld		105835.2		39.42	39.83	39.82	28970	Valve	4337.1	Valve	35560.08	36	0.312	52					11:22	335			649									1250	Unknown		
36306	GirthWeld		105875		39.82	39.84	39.84	28980	Valve	4376.93	Valve	35520.25	36	0.312	52					0.082639	335			649									1250	Unknown		
36308	CLUSTER	YES	105877.3		2.23	37.6	39.84	28980	Valve	4379.16	Valve	35518.02	36	0.312	52	0.16	0.05	1.79	0.63	0.259028	335	1062	764	649	0.44	1.18							1250	Unknown		
36310	GirthWeld		105914.9		39.83	39.77	39.76	28990	Valve	4416.76	Valve	35480.42	36	0.312	52					0.534722	335			649									1250	Unknown		
36312	CLUSTER	YES	105915.5		0.68	39.08	39.76	28990	Valve	4417.44	Valve	35479.74	36	0.312	52	0.16	0.05	9.05	0.88	5:48	335	986	710	649	0.47	1.10							1250	Unknown		
36318	CLUSTER	YES	105918.2		3.38	36.39	39.76	28990	Valve	4420.14	Valve	35477.04	36	0.312	52	0.15	0.05	3.91	1.51	5:45	335	1035	745	649	0.45	1.15							1250	Unknown		
36322	CLUSTER	YES	105924.6		9.79	29.97	39.76	28990	Valve	4426.55	Valve	35470.63	36	0.312	52	0.19	0.06	5.65	1.82	0.254167	335	998	719	649	0.47	1.13							1250	Unknown		
36328	CLUSTER	YES	105925.6		10.74	29.02	39.76	28990	Valve	4427.51	Valve	35469.67	36	0.312	52	0.25	0.08	5.78	1.86	0.253472	335	968	697	649	0.48	1.12							1250	Unknown		
36334	CLUSTER	YES	105927.7		12.82	26.95	39.76	28990	Valve	4429.58	Valve	35467.6	36	0.312	52	0.17	0.05	5.17	0.88	0.243056	335	1013	729	649	0.46	1.14							1250	Unknown		
36338	CLUSTER	YES	105939.5		24.61	15.16	39.76	28990	Valve	4441.37	Valve	35455.81	36	0.312	52	0.16	0.05	4.75	0.57	5:50	335	1021	735	649	0.46	1.14							1250	Unknown		
36341	CLUSTER	YES	105941.4		26.57	13.19	39.76	28990	Valve	4443.33	Valve	35453.85	36	0.312	52	0.17	0.05	15.56	2.61	5:51	335	958	690	649	0.49	1.08							1250	Unknown		
36350	CLUSTER	YES	105948.4		33.53	6.24	39.76	28990	Valve	4450.29	Valve	35446.89	36	0.312	52	0.16	0.05	8.34	0.72	0.243056	335	990	713	649	0.47	1.10							1250	Unknown		
36355	GirthWeld		105954.6		39.76	39.88	39.88	29000	Valve	4456.53	Valve	35440.65	36	0.312	52					0.463194	335			649									1250	Unknown		
36356	GirthWeld		105994.5		39.88	39.82	39.82	29010	Valve	4496.41	Valve	35400.77	36	0.312	52					0.419444	335			649									1250	Unknown		
36357	GirthWeld		106034.3		39.82	33.07	33.07	29020	Valve	4536.23	Valve	35360.95	36	0.312	52					3:04	335			649									1250	Unknown		
36358	GirthWeld		106067.4		33.07	36.81	36.81	29030	Valve	4569.3	Valve	35327.88	36	0.312	52					2:06	335			649			

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
36419	GirthWeld		106184.1		39.98	39	39	29060	Valve	4686.05	Valve	35211.13	36	0.312	52					1:22	335			649									1250	Unknown		
36420	GirthWeld		106223.1		39	39.78	39.78	29070	Valve	4725.05	Valve	35172.13	36	0.312	52					2:28	335			649									1250	Unknown		
36421	MELO-CORR	YES	106242.6		19.48	20.3	39.78	29070	Valve	4744.53	Valve	35152.65	36	0.312	52	0.17	0.05	1.10	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36422	GirthWeld		106262.9		39.78	39.07	39.07	29080	Valve	4764.83	Valve	35132.35	36	0.312	52					0.410417	335			649									1250	Unknown		
36424	CLUSTER	YES	106283.6		20.63	18.43	39.07	29080	Valve	4785.46	Valve	35111.72	36	0.312	52	0.21	0.07	11.39	3.61	0.245833	335	943	679	649	0.49	1.08							1250	Unknown		
36434	MELO-CORR	YES	106285		22.05	17.01	39.07	29080	Valve	4786.88	Valve	35110.3	36	0.312	52	0.16	0.05	1.22	0.16	5:50	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36436	CLUSTER	YES	106287.1		24.22	14.85	39.07	29080	Valve	4789.05	Valve	35108.13	36	0.312	52	0.21	0.07	21.66	3.24	5:52	335	918	661	649	0.51	1.07							1250	Unknown		
36456	CLUSTER	YES	106292.3		29.38	9.68	39.07	29080	Valve	4794.21	Valve	35102.97	36	0.312	52	0.27	0.08	7.42	0.57	0.243056	335	936	674	649	0.50	1.11							1250	Unknown		
36460	GirthWeld		106302		39.07	39.67	39.68	29090	Valve	4803.9	Valve	35093.28	36	0.312	52					0.480556	335			649									1250	Unknown		
36462	CLUSTER	YES	106303.4		1.41	38.26	39.68	29090	Valve	4805.32	Valve	35091.86	36	0.312	52	0.2	0.06	17.05	2.77	0.244444	335	933	672	649	0.50	1.07							1250	Unknown		
36474	CLUSTER	YES	106306.5		4.55	35.12	39.68	29090	Valve	4808.45	Valve	35088.73	36	0.312	52	0.28	0.09	2.80	1.10	6:04	335	1022	736	649	0.46	1.15							1250	Unknown		
36477	CLUSTER	YES	106309.5		7.49	32.19	39.68	29090	Valve	4811.39	Valve	35085.79	36	0.312	52	0.17	0.05	13.57	1.48	5:53	335	963	693	649	0.48	1.08							1250	Unknown		
36483	GirthWeld		106341.7		39.67	27.73	27.73	29100	Valve	4843.57	Valve	35053.6	36	0.312	52					0.044444	335			649									1250	Unknown		
36484	GirthWeld		106369.4		27.73	39.81	39.81	29110	Valve	4871.3	Valve	35025.88	36	0.312	52					0.126389	335			649									1250	Unknown		
36485	GirthWeld		106409.2		39.81	39.12	39.12	29120	Valve	4911.11	Valve	34986.07	36	0.312	52					0.448611	335			649									1250	Unknown		
36486	MELO-CORR	YES	106411.2		1.97	37.15	39.12	29120	Valve	4913.08	Valve	34984.1	36	0.312	52	0.15	0.05	1.22	0.16	6:09	335	1069	769	649	0.44	1.19							1598	Metal Loss		
36488	CLUSTER	YES	106411.9		2.69	36.43	39.12	29120	Valve	4913.8	Valve	34983.38	36	0.312	52	0.17	0.05	12.90	2.58	5:59	335	964	694	649	0.48	1.09							1250	Unknown		
36497	CLUSTER	YES	106426.6		17.43	21.7	39.12	29120	Valve	4928.54	Valve	34968.64	36	0.312	52	0.19	0.06	30.43	4.81	0.236111	335	926	667	649	0.50	1.07							1250	Unknown		
36515	CLUSTER	YES	106428.6		19.4	19.73	39.12	29120	Valve	4930.51	Valve	34966.67	36	0.312	52	0.21	0.07	35.38	5.47	0.2375	335	906	653	649	0.51	1.06							1250	Unknown		
36538	CLUSTER	YES	106431.7		22.52	16.61	39.12	29120	Valve	4933.63	Valve	34963.55	36	0.312	52	0.2	0.06	24.36	6.88	0.234722	335	923	665	649	0.50	1.07							1250	Unknown		
36564	CLUSTER	YES	106433.6		24.35	14.77	39.12	29120	Valve	4935.46	Valve	34961.72	36	0.312	52	0.15	0.05	5.08	0.63	5:49	335	1021	735	649	0.46	1.13							1250	Unknown		
36567	MELO-CORR	YES	106447		37.79	1.34	39.12	29120	Valve	4948.9	Valve	34948.28	36	0.312	52	0.15	0.05	1.10	0.35	6:00	335	1070	770	649	0.43	1.19							1598	Metal Loss		
36568	GirthWeld		106448.3		39.12	39.91	39.91	29130	Valve	4950.23	Valve	34946.95	36	0.312	52					0.372917	335			649									1250	Unknown		
36569	MELO-CORR	YES	106450.3		1.95	37.96	39.91	29130	Valve	4952.18	Valve	34945	36	0.312	52	0.15	0.05	1.46	0.35	0.282639	335	1066	768	649	0.44	1.18							1598	Metal Loss		
36571	CLUSTER	YES	106451.1		2.82	37.09	39.91	29130	Valve	4953.05	Valve	34944.13	36	0.312	52	0.18	0.06	7.38	1.26	0.228472	335	986	710	649	0.47	1.12							1250	Unknown		
36575	CLUSTER	YES	106456.1		7.74	32.17	39.91	29130	Valve	4957.97	Valve	34939.21	36	0.312	52	0.38	0.12	15.61	1.23	6:18	335	799	575	649	0.58	1.06							1250	Unknown		
36582	MELO-CORR	YES	106457.6		9.25	30.66	39.91	29130	Valve	4959.49	Valve	34937.69	36	0.312	52	0.16	0.05	1.06	0.16	6:21	335	1070	770	649	0.43	1.19							1598	Metal Loss		
36583	MELO-CORR	YES	106458		9.66	30.25	39.91	29130	Valve	4959.89	Valve	34937.29	36	0.312	52	0.15	0.05	1.97	0.20	0.263194	335	1060	763	649	0.44	1.18							1598	Metal Loss		
36585	CLUSTER	YES	106459		10.69	29.23	39.91	29130	Valve	4960.92	Valve	34936.26	36	0.312	52	0.16	0.05	8.81	0.85	0.2625	335	988	711	649	0.47	1.11							1250	Unknown		
36589	CLUSTER	YES	106464.2		15.9	24.02	39.91	29130	Valve	4966.13	Valve	34931.05	36	0.312	52	0.18	0.06	4.98	0.54	0.263889	335	1011	728	649	0.46	1.13							1250	Unknown		
36592	CLUSTER	YES	106467.1		18.73	21.19	39.91	29130	Valve	4968.96	Valve	34928.22	36	0.312	52	0.16	0.05	7.73	0.47	6:18	335	994	716	649	0.47	1.12							1250	Unknown		
36596	CLUSTER	YES	106472.4		24.04	15.87	39.91	29130	Valve	4974.27	Valve	34922.91	36	0.312	52	0.25	0.08	6.42	1.01	6:12	335	959	691	649	0.49	1.10							1250	Unknown		
36601	CLUSTER	YES	106474.2		25.88	14.03	39.91	29130	Valve	4976.11	Valve	34921.07	36	0.312	52	0.2	0.06	6.70	0.66	0.261111	335	982	707	649	0.47	1.12							1250	Unknown		
36604	CLUSTER	YES	106475.2		26.92	12.99	39.91	29130	Valve	4977.15	Valve	34920.03	36	0.312	52	0.17	0.05	15.49	1.16	0.240972	335	958	690	649	0.49	1.07							1250	Unknown		
36606	CLUSTER	YES	106475.3		26.94	12.97	39.91	29130	Valve	4977.17	Valve	34920.01	36	0.312	52	0.15	0.05	5.69	0.54	0.259722	335	1016	731	649	0.46	1.13							1250	Unknown		
36617	CLUSTER	YES	106481.4		33.12	6.79	39.91	29130	Valve	4983.35	Valve	34913.83	36	0.312	52	0.15	0.05	4.85	0.97	6:09	335	1024	737	649	0.45	1.13							1250	Unknown		
36621	GirthWeld		106488.2		39.91	39.68	39.68	29140	Valve	4990.14	Valve	34907.04	36	0.312	52					2:08	335			649									1250	Unknown		
36622	GirthWeld		106527.9		39.68	39.17	39.17	29150	Valve	5029.82	Valve	34867.36	36	0.312	52					0.1625	335			649									1250	Unknown		
36624	CLUSTER	YES	106539.4		11.46	27.71	39.17	29150	Valve	5041.28	Valve	34855.9	36	0.312	52	0.23	0.07	1.38	0.88	0.24375	335	1062	765	649	0.44	1.18							1250	Unknown		
36627	CLUSTER	YES	106541.4		13.47	25.7	39.17	29150	Valve	5043.29	Valve	34853.89	36	0.312	52	0.17	0.05	1.38	1.29	0.239583	335	1066	767	649	0.44	1.18							1250	Unknown		
36630	CLUSTER	YES	106544.9		16.99	22.19	39.17	29150	Valve	5046.81	Valve	34850.37	36	0.312	52	0.33	0.10	14.63	1.76	5:55	335	842	606	649	0.55	1.05							1250	Unknown		
36636	MELO-CORR	YES	106548.6		20.66	18.51	39.17	29150	Valve	5050.48	Valve	34846.7	36	0.312	52	0.15	0.05	1.10	0.16	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
36637	MELO-CORR	YES	106548.8		20.86	18.31	39.17	29150	Valve	5050.68	Valve	34846.5	36	0.312	52	0.17	0.05	1.10	0.20	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36639	CLUSTER	YES	106550.2		22.28	16.89	39.17	29150	Valve	5052.1	Valve	34845.08	36	0.312	52	0.2	0.06	5.22	0.97	0.251389	335	999	719	649	0.47	1.12							1250	Unknown		
36643	CLUSTER	YES	106554.8		26.88	12.29	39.17	29150	Valve	5056.7	Valve	34840.48	36	0.312	52	0.23	0.07	9.25	1.64	0.247917	335	943	679	649	0.49	1.09							1250	Unknown		
36647	GirthWeld		106567.1		39.17	39.54	39.54	29160	Valve	5068.99	Valve	34828.19	36	0.312	52					11:12	335			649									1250	Unknown		
36648	GirthWeld		106606.6		39.54	39.75	39.75	29170	Valve	5108.53	Valve	34788.65	36	0.312	52					9:48	335			649									1250	Unknown		
36649	GirthWeld		106646.4		39.75	39.25	39.25	29180	Valve	5148.28	Valve	34748.9	36	0.312	52					0.086111	335			649									1250	Unknown		
36650	GirthWeld		106685.6		39.25	39.67	39.66	29190	Valve	5187.53	Valve	34709.65	36	0.312	52					0.519444	335			649									1250	Unknown		
36651	MELO-CORR	YES	106692.4		6.79	32.88	39.66	29190	Valve	5194.32	Valve	34702.86	36	0.312	52	0.15	0.05	1.10	0.43	0.251389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
36652	GirthWeld		106725.3		39.67	39.63	39.63	29200	Valve	5227.2	Valve	34669.98	36	0.312	52					11:21	335			649									1250	Unknown		
36654	CLUSTER	YES	106727.9		2.59	37.04	39.63	29200	Valve	5229.79	Valve	34667.39	36	0.312	52	0.21	0.07	6.95	0.76	6:07	335	974	701	649	0.48	1.08							1250	Unknown		
36656	CLUSTER	YES	106728		2.74	36.9	39.63	29200	Valve	5229.93	Valve	34667.24	36	0.312	52	0.2	0.06	5.42	0.38	0.244444	335	997	718	649	0.47	1.11							1250	Unknown		
36660	CLUSTER	YES	106730.5		5.2	34.43	39.63	29200	Valve	5232.4	Valve	34664.78	36	0.312	52	0.21	0.07	14.83	2.29	0.245833	335	931	670	649	0.50	1.07							1250	Unknown		
36667	CLUSTER	YES	106732.9		7.65	31.98	39.63	29200	Valve	5234.85	Valve	34662.33	36	0.312	52	0.15	0.05	4.48	0.50	0.258333	335	1028	740	649	0.45	1.14							1250	Unknown		
36670	CLUSTER	YES	106740.8		15.54	24.09	39.63	29200	Valve	5242.74	Valve	34654.44	36	0.312	52	0.28	0.09	10.38	2.29	5:56	335	902	649	649	0.52	1.07							1250	Unknown		
36677	CLUSTER	YES	106741.8		16.53	23.1	39.63	29200	Valve	5243.73	Valve	34653.45	36	0.312	52	0.17	0.05	3.59	3.30	5:52	335	1034	744	649	0.45	1.15							1250	Unknown		
36683	CLUSTER	YES	106744.5		19.24	20.39	39.63	29200	Valve	5246.44	Valve	34650.74	36	0.312	52	0.17	0.05	18.24	2.20	0.245833	335	953	686	649	0.49	1.08							1250	Unknown		
36690	CLUSTER	YES	106753.3		28.01	11.62	39.63	29200	Valve	5255.21	Valve	34641.97	36	0.312	52	0.17	0.05	3.55	0.54	0.25625	335	1034	745	649	0.45	1.15							1250	Unknown		
36693	CLUSTER	YES	106753.8		28.54	11.09	39.63	29200	Valve	5255.74	Valve	34641.44	36	0.312	52	0.2	0.06	15.59	3.17	0.245833	335	936	674	649	0.50	1.07							1250	Unknown		
36702	CLUSTER	YES	106755.2		29.88	9.75	39.63	29200	Valve	5257.08	Valve	34640.1	36	0.312	52	0.26	0.08	7.99	1.86	5:56	335	935	673	649	0.50	1.06							1250	Unknown		
36707	MELO-CORR	YES	106755.9		30.65	8.99	39.63	29200	Valve	5257.85	Valve	34639.33	36	0.312	52	0.16	0.05	1.14	0.20	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36709	CLUSTER	YES	106756.5		31.23	8.4	39.63	29200	Valve	5258.43	Valve	34638.75	36	0.312	52	0.25	0.08	1.50	0.38	0.252778	335	1058	762	649	0.44	1.18							1250	Unknown		
36711	GirthWeld		106764.9		39.63	39.01	39.01	29210	Valve	5266.83	Valve	34630.35	36	0.312	52					0.438889	335			649									1250	Unknown		
36713	CLUSTER	YES	106773.9		8.99	30.02	39.01	29210	Valve	5275.82	Valve	34621.36	36	0.312	52	0.17	0.05	6.24	1.92	0.247222	335	1001	721	649	0.46	1.12							1250	Unknown		
36719	CLUSTER	YES	106782.3		17.37	21.63	39.01	29210	Valve	5284.2	Valve	34612.98	36	0.312	52	0.15	0.05	5.53	1.60	5:56	335	1017	732	649	0.46	1.13							1250	Unknown		
36725	CLUSTER	YES	106785.6		20.64	18.37	39.01	29210	Valve	5287.47	Valve	34609.71	36	0.312	52	0.15	0.05	11.10	2.26	5:55	335	984	708	649	0.47	1.10							1250	Unknown		
36732	GirthWeld		106803.9		39.01	39.73	39.73	29220	Valve	5305.84	Valve	34591.34	36	0.312	52					0.5375	335			649									1250	Unknown		
36734	CLUSTER	YES	106808.3		4.35	35.38	39.73	29220	Valve	5310.19	Valve	34586.99	36	0.312	52	0.19	0.06	10.01	2.45	0.239583	335	963	693	649	0.48	1.08							1250	Unknown		
36741	MELO-CORR	YES	106820.6		16.71	23.02	39.73	29220	Valve	5322.55	Valve	34574.63	36	0.312	52	0.17	0.05	1.06	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36743	CLUSTER	YES	106823		19.09	20.64	39.73	29220	Valve	5324.93	Valve	34572.25	36	0.312	52	0.17	0.05	16.02	2.58	5:54	335	957	689	649	0.49	1.09							1250	Unknown		
36751	CLUSTER	YES	106828.9		25.01	14.72	39.73	29220	Valve	5330.85	Valve	34566.33	36	0.312	52	0.15	0.05	8.96	3.11	5:52	335	993	715	649	0.47	1.10							1250	Unknown		
36756	GirthWeld		106843.7		39.73	39.86	39.86	29230	Valve	5345.57	Valve	34551.61	36	0.312	52					0.101389	335			649									1250	Unknown		
36757	GirthWeld		106883.5		39.86	39.72	39.72	29240	Valve	5385.43	Valve	34511.75	36	0.312	52					0.438889	335			649									1250	Unknown		
36759	CLUSTER	YES	106883.6		0.12	39.6	39.72	29240	Valve	5385.55	Valve	34511.63	36	0.312	52	0.35	0.11	4.66	2.67	0.247917	335	945	680	649	0.49	1.07							1250	Unknown		
36763	CLUSTER	YES	106922.2		38.68	1.04	39.72	29240	Valve	5424.11	Valve	34473.07	36	0.312	52	0.17	0.05	1.50	0.57	4:55	335	1064	766	649	0.44	1.18							1250	Unknown		
36765	MELO-CORR	YES	106922.5		38.93	0.79	39.72	29240	Valve	5424.36	Valve	34472.82	36	0.312	52	0.19	0.06	1.10	0.63	6:01	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36766	GirthWeld		106923.2		39.72	38.7	38.7	29250	Valve	5425.15	Valve	34472.03	36	0.312	52					0.486111	335			649									1250	Unknown		
36768	CLUSTER	YES	106945.5		22.26	16.44	38.7	29250	Valve	5447.41	Valve	34449.77	36	0.312	52	0.17	0.05	7.04	1.29	0.249306	335	994	716	649	0.47	1.12							1250	Unknown		
36771	MELO-CORR	YES	106947.9		24.61	14.09	38.7	29250	Valve	5449.76	Valve	34447.42	36	0.312	52	0.18	0.06	1.10	0.47	0.238194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36773	CLUSTER	YES	106949.3		26.01	12.69	38.7	29250	Valve	5451.16	Valve	34446.02	36	0.312	52	0.24	0.08	8.83	1.45	5:47	335	940	677	649	0.50	1.09							1250	Unknown		
36779	CLUSTER	YES	106952.3		29.02	9.67	38.7	29250	Valve	5454.18	Valve	34443	36	0.312	52	0.16	0.05	19.10	1.64	5:46	335	959	691	649	0.48	1.09							1250	Unknown		
36786	CLUSTER	YES	106957.7		34.41	4.28	38.7	29250	Valve	5459.56	Valve	34437.62	36	0.312	52	0.16	0.05	3.35	1.07	0.258333	335	1040	748	649	0.45	1.16							1250	Unknown		
36789	MELO-CORR	YES	106958.1		34.81	3.89	38.7	29250	Valve	5459.96	Valve	34437.22	36	0.312	52	0.16	0.05	1.18	0.16	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36790	MELO-CORR	YES	106958.4		35.17	3.53	38.7	29250	Valve	5460.32	Valve	34436.86	36	0.312	52	0.15	0.05	1.10	0.16	0.242361	335	1070	770	649	0.43	1.19							1598	Metal Loss		
36792	CLUSTER	YES	106959		35.75	2.95	38.7	29250	Valve	5460.9	Valve	34436.28	36	0.312	52	0.17	0.05	14.84	0.97	5:49	335	959	691	649	0.48	1.08							1250	Unknown		
36801	MELO-CORR	YES	106961.3		38.03	0.67	38.7	29250	Valve	5463.18	Valve	34434	36	0.312	52	0.15	0.05	1.14	0.83	6:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
36802	GirthWeld		106961.9		38.7	39.87	39.87	29260	Valve	5463.85	Valve	34433.33	36	0.312	52					0.122917	335			649									1250	Unknown		
36804	CLUSTER	YES	106962.2		0.21	39.66	39.87	29260	Valve	5464.06	Valve	34433.12	36	0.312	52	0.16	0.05	5.33	3.99	0.224306	335	1015	731	649	0.46	1.13							1250	Unknown		
36809	CLUSTER	YES	106965.7		3.71	36.16	39.87	29260	Valve	5467.56	Valve	34429.62	36	0.312	52	0.22	0.07	16.74	2.01	0.238194	335	919	662	649	0.51	1.06							1250	Unknown		
36815	CLUSTER	YES	106966.2		4.3	35.57	39.87	29260	Valve	5468.15	Valve	34429.03	36	0.312	52	0.15	0.05	8.65	1.48	6:10	335	994	716	649	0.47	1.11							1250	Unknown		
36825	CLUSTER	YES	106967.9		5.99	33.87	39.87	29260	Valve	5469.85	Valve	34427.33	36	0.312	52	0.15	0.05	6.71	1.32	6:12	335	1007	725	649	0.46	1.11							1250	Unknown		
36831	CLUSTER	YES	106968.5		6.52	33.34	39.87	29260	Valve	5470.38	Valve	34426.8	36	0.312	52	0.19	0.06	9.65	1.38	0.239583	335	965	695	649	0.48	1.08							1250	Unknown		
36836	AS_Sleeve		106971.7		9.73	30.14	39.87	29260	Valve	5473.58	Valve	34423.6	36	0.312	52						335			649									1789	Sleeve		
36837	AE_Sleeve		106974.8		12.81	27.06	39.87	29260	Valve	5476.66	Valve	34420.52	36	0.312	52						335			649									1789	Sleeve		
36838	AS_Sleeve		106981.1		19.11	20.76	39.87	29260	Valve	5482.96	Valve	34414.22	36	0.312	52						335			649									1789	Sleeve		
36839	AE_Sleeve		106983		21.08	18.79	39.87	29260	Valve	5484.93	Valve	34412.25	36	0.312	52						335			649									1789	Sleeve		
36841	CLUSTER	YES	106986.7		24.77	15.1	39.87	29260	Valve	5488.62	Valve	34408.56	36	0.312	52	0.16	0.05	3.91	0.94	0.254861	335	1032	743	649	0.45	1.14							1250	Unknown		
36844	CLUSTER	YES	106990.1		28.12	11.75	39.87	29260	Valve	5491.97	Valve	34405.21	36	0.312	52	0.48	0.15	17.52	4.27	0.240972	335	709	511	649	0.66	0.92							1250	Unknown		
36854	CLUSTER	YES	106991.6		29.66	10.2	39.87	29260	Valve	5493.51	Valve	34403.67	36	0.312	52	0.23	0.07	9.54	4.46	0.240278	335	941	677	649	0.49	1.08							1250	Unknown		
36857	CLUSTER	YES	106991.8		29.82	10.05	39.87	29260	Valve	5493.67	Valve	34403.51	36	0.312	52	0.15	0.05	1.87	1.23	6:51	335	1061	764	649	0.44	1.18							1250	Unknown		
36866	CLUSTER	YES	106992.5		30.57	9.3

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
36956	CLUSTER	YES	107089.4		8.56	31.3	39.87	29290	Valve	5591.28	Valve	34305.9	36	0.312	52	0.16	0.05	12.08	0.85	5:45	335	974	701	649	0.48	1.09							1250	Unknown		
36963	CLUSTER	YES	107090.1		9.31	30.55	39.87	29290	Valve	5592.03	Valve	34305.15	36	0.312	52	0.18	0.06	5.12	1.16	6:12	335	1009	726	649	0.46	1.14							1250	Unknown		
36969	MELO-CORR	YES	107090.8		9.96	29.91	39.87	29290	Valve	5592.68	Valve	34304.5	36	0.312	52	0.18	0.06	1.10	0.35	0.241667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
36971	CLUSTER	YES	107091		10.15	29.72	39.87	29290	Valve	5592.87	Valve	34304.31	36	0.312	52	0.16	0.05	2.03	0.60	0.242361	335	1058	762	649	0.44	1.17							1250	Unknown		
36974	CLUSTER	YES	107094.3		13.49	26.38	39.87	29290	Valve	5596.21	Valve	34300.97	36	0.312	52	0.15	0.05	18.62	0.85	0.243056	335	967	697	649	0.48	1.08							1250	Unknown		
36978	CLUSTER	YES	107094.9		14.04	25.83	39.87	29290	Valve	5596.76	Valve	34300.42	36	0.312	52	0.15	0.05	10.42	1.13	6:11	335	986	710	649	0.47	1.10							1250	Unknown		
36990	MELO-CORR	YES	107105.2		24.41	15.46	39.87	29290	Valve	5607.13	Valve	34290.05	36	0.312	52	0.22	0.07	1.10	0.20	5:49	335	1067	768	649	0.44	1.18							1598	Metal Loss		
36992	CLUSTER	YES	107106.2		25.34	14.52	39.87	29290	Valve	5608.06	Valve	34289.12	36	0.312	52	0.16	0.05	14.81	1.13	0.241667	335	967	696	649	0.48	1.08							1250	Unknown		
37000	CLUSTER	YES	107108.2		27.38	12.49	39.87	29290	Valve	5610.1	Valve	34287.08	36	0.312	52	0.19	0.06	6.68	0.47	0.241667	335	987	711	649	0.47	1.10							1250	Unknown		
37002	CLUSTER	YES	107108.3		27.44	12.43	39.87	29290	Valve	5610.16	Valve	34287.02	36	0.312	52	0.17	0.05	8.63	1.16	0.256944	335	983	708	649	0.47	1.11							1250	Unknown		
37009	CLUSTER	YES	107110.4		29.56	10.31	39.87	29290	Valve	5612.28	Valve	34284.9	36	0.312	52	0.22	0.07	19.84	3.21	5:49	335	913	657	649	0.51	1.06							1250	Unknown		
37021	CLUSTER	YES	107112.6		31.75	8.12	39.87	29290	Valve	5614.47	Valve	34282.71	36	0.312	52	0.25	0.08	12.38	3.52	5:54	335	911	656	649	0.51	1.08							1250	Unknown		
37031	CLUSTER	YES	107116.5		35.71	4.16	39.87	29290	Valve	5618.43	Valve	34278.75	36	0.312	52	0.16	0.05	9.96	3.05	0.24375	335	982	707	649	0.47	1.10							1250	Unknown		
37039	CLUSTER	YES	107117.7		36.9	2.96	39.87	29290	Valve	5619.62	Valve	34277.56	36	0.312	52	0.17	0.05	5.78	1.26	0.25625	335	1006	724	649	0.46	1.12							1250	Unknown		
37043	CLUSTER	YES	107117.8		36.99	2.88	39.87	29290	Valve	5619.71	Valve	34277.47	36	0.312	52	0.15	0.05	6.54	0.72	0.24375	335	1008	726	649	0.46	1.12							1250	Unknown		
37048	GirthWeld		107120.7		39.87	38.47	38.47	29300	Valve	5622.59	Valve	34274.59	36	0.312	52					1:47	335			649									1250	Unknown		
37050	CLUSTER	YES	107127.2		6.52	31.94	38.47	29300	Valve	5629.11	Valve	34268.07	36	0.312	52	0.17	0.05	5.17	0.69	5:53	335	1013	729	649	0.46	1.13							1250	Unknown		
37054	CLUSTER	YES	107134.1		13.37	25.1	38.47	29300	Valve	5635.96	Valve	34261.22	36	0.312	52	0.16	0.05	10.96	2.08	0.256944	335	978	704	649	0.48	1.10							1250	Unknown		
37063	CLUSTER	YES	107136.3		15.58	22.88	38.47	29300	Valve	5638.17	Valve	34259.01	36	0.312	52	0.18	0.06	3.76	0.94	0.260417	335	1028	740	649	0.45	1.15							1250	Unknown		
37067	CLUSTER	YES	107136.6		15.94	22.52	38.47	29300	Valve	5638.53	Valve	34258.65	36	0.312	52	0.16	0.05	8.41	0.54	0.243056	335	990	713	649	0.47	1.11							1250	Unknown		
37071	CLUSTER	YES	107138.2		17.49	20.98	38.47	29300	Valve	5640.08	Valve	34257.1	36	0.312	52	0.16	0.05	6.10	1.38	6:11	335	1007	725	649	0.46	1.13							1250	Unknown		
37074	MELO-CORR	YES	107140		19.34	19.12	38.47	29300	Valve	5641.93	Valve	34255.25	36	0.312	52	0.18	0.06	1.14	0.20	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37075	MELO-CORR	YES	107140.3		19.63	18.84	38.47	29300	Valve	5642.21	Valve	34254.96	36	0.312	52	0.15	0.05	1.22	0.43	0.240972	335	1069	769	649	0.44	1.19							1598	Metal Loss		
37077	CLUSTER	YES	107144.2		23.5	14.96	38.47	29300	Valve	5646.09	Valve	34251.09	36	0.312	52	0.18	0.06	7.01	0.63	0.256944	335	989	712	649	0.47	1.11							1250	Unknown		
37081	CLUSTER	YES	107144.9		24.24	14.23	38.47	29300	Valve	5646.83	Valve	34250.35	36	0.312	52	0.16	0.05	4.56	1.38	0.259028	335	1023	737	649	0.45	1.14							1250	Unknown		
37085	CLUSTER	YES	107146.5		25.77	12.7	38.47	29300	Valve	5648.36	Valve	34248.82	36	0.312	52	0.23	0.07	15.24	4.21	5:52	335	915	659	649	0.51	1.09							1250	Unknown		
37095	CLUSTER	YES	107156.5		35.86	2.6	38.47	29300	Valve	5658.45	Valve	34238.73	36	0.312	52	0.25	0.08	16.12	2.99	5:51	335	898	647	649	0.52	1.06							1250	Unknown		
37104	GirthWeld		107159.2		38.47	39.85	39.84	29310	Valve	5661.06	Valve	34236.12	36	0.312	52					0.536111	335			649									1250	Unknown		
37106	CLUSTER	YES	107160.4		1.22	38.62	39.84	29310	Valve	5662.28	Valve	34234.9	36	0.312	52	0.25	0.08	11.93	0.85	0.245833	335	913	658	649	0.51	1.06							1250	Unknown		
37112	GirthWeld		107199		39.84	39.77	39.77	29320	Valve	5700.9	Valve	34196.28	36	0.312	52					0.425	335			649									1250	Unknown		
37113	GirthWeld		107238.8		39.76	39.22	39.22	29330	Valve	5740.67	Valve	34156.51	36	0.312	52					11:36	335			649									1250	Unknown		
37114	GirthWeld		107278		39.22	34.32	34.32	29340	Valve	5779.89	Valve	34117.29	36	0.312	52					12:40	335			649									1250	Unknown		
37115	GirthWeld		107312.3		34.32	38.9	38.9	29350	Valve	5814.21	Valve	34082.97	36	0.312	52					0.070833	335			649									1250	Unknown		
37116	GirthWeld		107351.2		38.9	39.81	39.81	29360	Valve	5853.11	Valve	34044.07	36	0.312	52					0.4125	335			649									1250	Unknown		
37117	GirthWeld		107391		39.81	39.81	39.8	29370	Valve	5892.92	Valve	34004.26	36	0.312	52					0.473611	335			649									1250	Unknown		
37118	GirthWeld		107430.8		39.81	39.85	39.86	29380	Valve	5932.73	Valve	33964.45	36	0.312	52					2:14	335			649									1250	Unknown		
37119	GirthWeld		107470.7		39.85	38.7	38.69	29390	Valve	5972.58	Valve	33924.6	36	0.312	52					12:51	335			649									1250	Unknown		
37121	CLUSTER	YES	107482.3		11.66	27.03	38.69	29390	Valve	5984.24	Valve	33912.94	36	0.312	52	0.2	0.06	5.52	0.54	0.25625	335	996	717	649	0.47	1.13							1250	Unknown		
37124	CLUSTER	YES	107488.9		18.24	20.45	38.69	29390	Valve	5990.82	Valve	33906.36	36	0.312	52	0.15	0.05	3.46	0.76	0.245833	335	1040	749	649	0.45	1.15							1250	Unknown		
37127	CLUSTER	YES	107489.6		18.93	19.76	38.69	29390	Valve	5991.51	Valve	33905.67	36	0.312	52	0.23	0.07	11.21	2.73	0.245833	335	931	670	649	0.50	1.09							1250	Unknown		
37134	CLUSTER	YES	107491.2		20.55	18.15	38.69	29390	Valve	5993.13	Valve	33904.05	36	0.312	52	0.18	0.06	13.04	2.29	5:54	335	957	689	649	0.49	1.09							1250	Unknown		
37142	CLUSTER	YES	107494.1		23.44	15.25	38.69	29390	Valve	5996.02	Valve	33901.16	36	0.312	52	0.25	0.08	7.27	1.01	5:54	335	949	683	649	0.49	1.09							1250	Unknown		
37146	GirthWeld		107509.4		38.7	39.58	39.58	29400	Valve	6011.28	Valve	33885.9	36	0.312	52					0.456944	335			649									1250	Unknown		
37148	CLUSTER	YES	107509.5		0.16	39.42	39.58	29400	Valve	6011.44	Valve	33885.74	36	0.312	52	0.19	0.06	9.98	2.23	0.245139	335	963	693	649	0.48	1.10							1250	Unknown		
37155	MELO-CORR	YES	107513.3		3.91	35.67	39.58	29400	Valve	6015.19	Valve	33881.99	36	0.312	52	0.19	0.06	1.22	0.16	0.248611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
37157	CLUSTER	YES	107515.2		5.84	33.73	39.58	29400	Valve	6017.12	Valve	33880.06	36	0.312	52	0.15	0.05	10.56	1.29	5:58	335	986	710	649	0.47	1.10							1250	Unknown		
37166	CLUSTER	YES	107517.9		8.5	31.08	39.58	29400	Valve	6019.78	Valve	33877.4	36	0.312	52	0.18	0.06	11.32	3.30	5:50	335	963	694	649	0.48	1.09							1250	Unknown		
37172	MELO-CORR	YES	107527.8		18.45	21.13	39.58	29400	Valve	6029.73	Valve	33867.45	36	0.312	52	0.16	0.05	1.14	0.20	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37173	MELO-CORR	YES	107533.8		24.47	15.11	39.58	29400	Valve	6035.75	Valve	33861.43	36	0.312	52	0.15	0.05	0.91	0.79	0.252778	335	1071	771	649	0.43	1.19							1598	Metal Loss		
37175	CLUSTER	YES	107535.7		26.3	13.28	39.58	29400	Valve	6037.58	Valve	33859.6	36	0.312	52	0.24	0.08	11.22	2.58	0.244444	335	924	665	649	0.50	1.10							1250	Unknown		
37181	CLUSTER	YES	107536.7		27.37	12.21	39.58	29400	Valve	6038.65	Valve	33858.53	36	0.312	52	0.26	0.08	6.98	0.85	5:53	335	947	682	649	0.49	1.09							1250	Unknown		
37187	MELO-CORR	YES	107538.3		28.9	10.68	39.58	29400	Valve	6040.18	Valve	33857	36	0.312	52	0.16	0.05	1.10	0.47	5:53	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37189	CLUSTER	YES	107542.2		32.84	6.73	39.58	29400	Valve	6044.12	Valve	33853.06	36	0.312	52	0.16	0.05	24.31	4.24	0.244444	335	955	687	649	0.49	1.08							1250	Unknown		
37204	CLUSTER	YES	107543.9		34.49	5.09	39.58	29400	Valve	6045.77	Valve	33851.41	36	0.312	52	0.16	0.05	28.51	2.83	0.245833	335	952	685	649	0.49	1.08							1250	Unknown		
37219	GirthWeld		107549		39.58	39.38	39.37	29410	Valve	6050.86	Valve	33846.32	36	0.312	52					0.495833	335			649									1250	Unknown		
37221	CLUSTER	YES	107559.7		10.77	28.59	39.37	29410	Valve	6061.63	Valve	33835.55	36	0.312	52	0.16	0.05	1.30	0.76	6:06	335	1067	768	649	0.44	1.18							1250	Unknown		
37223	MELO-CORR	YES	107567.5		18.59	20.78	39.37	29410	Valve	6069.45	Valve	33827.73	36	0.312	52	0.18	0.06	1.14	0.20	5:58	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37224	MELO-CORR	YES	107569.5		20.53	18.84	39.37	29410	Valve	6071.39	Valve	33825.79	36	0.312	52	0.22	0.07	1.34	0.47	0.246528	335	1063	766	649	0.44	1.18							1598	Metal Loss		
37226	CLUSTER	YES	107570.6		21.6	17.76	39.37	29410	Valve	6072.46	Valve	33824.72	36	0.312	52	0.17	0.05	1.90	0.54	0.247222	335	1059	763	649	0.44	1.18							1250	Unknown		
37229	CLUSTER	YES	107573.2		24.25	15.11	39.37	29410	Valve	6075.11	Valve	33822.07	36	0.312	52	0.27	0.08	1.90	0.28	0.248611	335	1048	754	649	0.44	1.16							1250	Unknown		
37232	CLUSTER	YES	107575.5		26.55	12.82	39.37	29410	Valve	6077.41	Valve	33819.77	36	0.312	52	0.15	0.05	4.56	0.63	5:57	335	1027	739	649	0.45	1.14							1250	Unknown		
37234	GirthWeld		107588.3		39.37	33.18	33.17	29420	Valve	6090.23	Valve	33806.95	36	0.312	52					10:48	335			649									1250	Unknown		
37236	CLUSTER	YES	107595.9		7.54	25.63	33.17	29420	Valve	6097.77	Valve	33799.41	36	0.312	52	0.16	0.05	5.24	0.50	0.247222	335	1016	731	649	0.46	1.13							1250	Unknown		
37240	CLUSTER	YES	107603.6		15.28	17.89	33.17	29420	Valve	6105.51	Valve	33791.67	36	0.312	52	0.16	0.05	8.76	1.70	0.248611	335	988	711	649	0.47	1.11							1250	Unknown		
37246	GirthWeld		107621.5		33.16	39.79	39.79	29430	Valve	6123.4	Valve	33773.78	36	0.312	52					0.479167	335			649									1250	Unknown		
37247	GirthWeld		107661.3		39.78	39.73	39.73	29440	Valve	6163.18	Valve	33733.99	36	0.312	52					12:43	335			649									1250	Unknown		
37249	CLUSTER	YES	107696.6		35.31	4.43	39.73	29440	Valve	6198.49	Valve	33698.69	36	0.312	52	0.17	0.05	8.50	2.23	5:54	335	984	708	649	0.47	1.10							1250	Unknown		
37254	GirthWeld		107701		39.73	36.28	36.28	29450	Valve	6202.91	Valve	33694.27	36	0.312	52					0.103472	335			649									1250	Unknown		
37256	CLUSTER	YES	107722.3		21.34	14.94	36.28	29450	Valve	6224.25	Valve	33672.93	36	0.312	52	0.23	0.07	7.81	2.58	0.247222	335	955	687	649	0.49	1.11							1250	Unknown		
37260	CLUSTER	YES	107723.3		22.25	14.03	36.28	29450	Valve	6225.16	Valve	33672.02	36	0.312	52	0.17	0.05	5.30	2.58	0.247222	335	1011	728	649	0.46	1.13							1250	Unknown		
37265	CLUSTER	YES	107724.5		23.48	12.79	36.28	29450	Valve	6226.39	Valve	33670.79	36	0.312	52	0.19	0.06	6.60	2.70	5:55	335	988	711	649	0.47	1.11							1250	Unknown		
37271	CLUSTER	YES	107725.9		24.87	11.41	36.28	29450	Valve	6227.78	Valve	33669.4	36	0.312	52	0.27	0.08	18.26	2.99	5:51	335	877	632	649	0.53	1.06							1250	Unknown		
37282	CLUSTER	YES	107727.5		26.49	9.79	36.28	29450	Valve	6229.4	Valve	33667.78	36	0.312	52	0.23	0.07	20.78	3.61	0.245139	335	904	651	649	0.51	1.05							1250	Unknown		
37300	CLUSTER	YES	107729.4		28.39	7.89	36.28	29450	Valve	6231.3	Valve	33665.88	36	0.312	52	0.21	0.07	4.99	1.92	0.246528	335	998	719	649	0.47	1.14							1250	Unknown		
37304	CLUSTER	YES	107730.1		29.05	7.22	36.28	29450	Valve	6231.96	Valve	33665.21	36	0.312	52	0.15	0.05	4.64	0.79	0.246528	335	1026	739	649	0.45	1.13							1250	Unknown		
37307	CLUSTER	YES	107730.7		29.72	6.55	36.28	29450	Valve	6232.63	Valve	33664.55	36	0.312	52	0.22	0.07	6.52	0.44	6:09	335	973	701	649	0.48	1.09							1250	Unknown		
37312	CLUSTER	YES	107731.1		30.07	6.21	36.28	29450	Valve	6232.98	Valve	33664.2	36	0.312	52	0.15	0.05	4.09	0.28	5:54	335	1032	743	649	0.45	1.15							1250	Unknown		
37314	CLUSTER	YES	107736.5		35.45	0.82	36.28	29450	Valve	6238.36	Valve	33658.82	36	0.312	52	0.15	0.05	5.57	0.91	0.242361	335	1017	732	649	0.46	1.13							1250	Unknown		
37318	GirthWeld		107737.3		36.28	39.95	39.95	29460	Valve	6239.19	Valve	33657.99	36	0.312	52					0.516667	335			649									1250	Unknown		
37319	GirthWeld		107777.2		39.95	39.26	39.26	29470	Valve	6279.14	Valve	33618.04	36	0.312	52					0.430556	335			649									1250	Unknown		
37320	GirthWeld		107816.5		39.26	39.84	39.84	29480	Valve	6318.4	Valve	33578.78	36	0.312	52					2:05	335			649									1250	Unknown		
37322	CLUSTER	YES	107852.6		36.14	3.71	39.84	29480	Valve	6354.54	Valve	33542.64	36	0.312	52	0.16	0.05	4.09	1.54	6:03	335	1029	741	649	0.45	1.15							1250	Unknown		
37325	GirthWeld		107856.3		39.84	39.83	39.83	29490	Valve	6358.24	Valve	33538.94	36	0.312	52					0.529861	335			649									1250	Unknown		
37326	GirthWeld		107896.2		39.83	39.66	39.66	29500	Valve	6398.07	Valve	33499.11	36	0.312	52					0.402083	335			649									1250	Unknown		
37327	GirthWeld		107935.8		39.66	38.52	38.52	29510	Valve	6437.73	Valve	33459.45	36	0.312	52					0.476389	335			649									1250	Unknown		
37328	GirthWeld		107974.3		38.52	39.83	39.83	29520	Valve	6476.25	Valve	33420.93	36	0.312	52					2:24	335			649									1250	Unknown		
37329	GirthWeld		108014.2		39.83	39.76	39.76	29530	Valve	6516.08	Valve	33381.1	36	0.312	52					12:52	335			649									1250	Unknown		
37331	CLUSTER	YES	108036.8		22.66	17.1	39.76	29530	Valve	6538.74	Valve	33358.44	36	0.312	52	0.15	0.05	10.75	0.79	0.24375	335	985	709	649	0.47	1.10							1250	Unknown		
37337	CLUSTER	YES	108040.2		25.98	13.78	39.76	29530	Valve	6542.06	Valve	33355.12	36	0.312	52	0.16	0.05	7.12	0.54	0.243056	335	999	719	649	0.47	1.11							1250	Unknown		
37341	MELO-CORR	YES	108046.2		32.02	7.74	39.76	29530	Valve	6548.1	Valve	33349.08	36	0.312	52	0.17	0.05	1.10	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37342	GirthWeld		108053.9		39.76	39.18	39.18	29540	Valve	6555.84	Valve	33341.34	36	0.312	52					11:34	335			649									1250	Unknown		
37343	MELO-CORR	YES	108054.5		0.57	38.61	39.18	29540	Valve	6556.41	Valve	33340.77	36	0.312	52	0.21	0.07	1.10	0.20	5:54	335	1067	768	649	0.44	1.18							1598	Metal Loss		
37344	GirthWeld		108093.1		39.18	39.8	39.8	29550	Valve	6595.02	Valve	33302.16	36	0.312	52					0.402778	335			649									1250	Unknown		
37345	GirthWeld		108132.9		39.8	23.1	23.1	29560	Valve	6634.82	Valve	33262.36	36	0.312	52					0.054167	335			649									1250	Unknown		
37346	GirthWeld		108156		23.1	15.25	15.25	29570	Valve	6657.92	Valve	33239.26	36	0.312	52					0.502778	335			649									1250	Unknown		
37347	GirthWeld		108171.3		15.25	39.14	39.14	29580	Valve	6673.17	Valve	33224.01	36	0.312	52					10:46	335			649									1250	Unknown		
37348	GirthWeld		108210.4		39.14	39.71	39.71	29590	Valve	6712.31	Valve	33184.87	36	0.312	52					2:00	335			649									1250	Unknown		
37350	CLUSTER	YES	108225		14.6	25.1	39.71	29590	Valve	6726.91	Valve	33170.27	36	0.312	52	0.18	0.06	5.46	0.35	0.242361	335	1005	723	649	0.46	1.13							1250	Unknown		
37353	CLUSTER	YES	108227.7		17.27	22.43	39.71	29590	Valve	6729.58	Valve	33167.6	36	0.312	52	0.27	0.08	15.31	2.61	0.24375	335	885	637	649	0.53	1.06							1250	Unknown		
37360	MELO-CORR	YES	108229.6		19.23	20.47	39.71	29590	Valve	6731.54	Valve	33165.64	36	0.312	52	0.24	0.08	1.22	0.20	0.251389	335	1064	766	649	0.44	1.18							1598	Metal Loss		
37362	CLUSTER	YES	108231.4		20.96	18.74	39.71	29590	Valve	6733.27	Valve	33163.91	36	0.312	52	0.19	0.06	4.63	0.57	6:06	335	1011	728	649	0.46	1.13							1250	Unknown		
37364	MELO-CORR	YES	108232		21.64	18.06	39.71	29590	Valve	6733.95	Valve	33163.23	36	0.312	52	0.16	0.05	1.22	0.20	5:49	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37366	CLUSTER	YES	108233		22.57	17.13	39.71	29590	Valve	6734.88	Valve

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
37416	CLUSTER	YES	108474.6		1.02	38.85	39.87	29660	Valve	6976.5	Valve	32920.68	36	0.312	52	0.15	0.05	4.32	2.17	6:09	335	1030	741	649	0.45	1.15							1250	Unknown		
37420	CLUSTER	YES	108483.3		9.74	30.12	39.87	29660	Valve	6985.22	Valve	32911.96	36	0.312	52	0.19	0.06	8.84	1.01	6:04	335	970	698	649	0.48	1.10							1250	Unknown		
37425	CLUSTER	YES	108485.7		12.15	27.72	39.87	29660	Valve	6987.63	Valve	32909.55	36	0.312	52	0.18	0.06	4.61	0.79	0.252778	335	1016	731	649	0.46	1.14							1250	Unknown		
37429	CLUSTER	YES	108487.3		13.69	26.18	39.87	29660	Valve	6989.17	Valve	32908.01	36	0.312	52	0.17	0.05	4.49	0.35	0.254861	335	1021	735	649	0.46	1.14							1250	Unknown		
37432	CLUSTER	YES	108489.4		15.84	24.03	39.87	29660	Valve	6991.32	Valve	32905.86	36	0.312	52	0.19	0.06	2.57	1.07	0.25	335	1046	753	649	0.44	1.16							1250	Unknown		
37435	CLUSTER	YES	108491.1		17.49	22.38	39.87	29660	Valve	6992.97	Valve	32904.21	36	0.312	52	0.18	0.06	5.98	0.91	6:01	335	999	719	649	0.47	1.12							1250	Unknown		
37440	CLUSTER	YES	108492.1		18.56	21.31	39.87	29660	Valve	6994.04	Valve	32903.14	36	0.312	52	0.17	0.05	4.72	0.79	6:02	335	1018	733	649	0.46	1.13							1250	Unknown		
37444	CLUSTER	YES	108493.2		19.67	20.2	39.87	29660	Valve	6995.15	Valve	32902.03	36	0.312	52	0.18	0.06	8.59	0.57	0.252083	335	977	704	649	0.48	1.09							1250	Unknown		
37449	CLUSTER	YES	108495		21.42	18.45	39.87	29660	Valve	6996.9	Valve	32900.28	36	0.312	52	0.16	0.05	7.58	0.72	0.251389	335	995	716	649	0.47	1.10							1250	Unknown		
37452	GirthWeld		108513.4		39.87	39.85	39.85	29670	Valve	7015.35	Valve	32881.83	36	0.312	52					0.536111	335			649									1250	Unknown		
37454	CLUSTER	YES	108515.7		2.29	37.55	39.85	29670	Valve	7017.65	Valve	32879.53	36	0.312	52	0.27	0.08	12.40	1.01	6:03	335	897	646	649	0.52	1.07							1250	Unknown		
37460	MELO-CORR	YES	108517.9		4.45	35.4	39.85	29670	Valve	7019.8	Valve	32877.38	36	0.312	52	0.15	0.05	1.14	0.16	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37461	MELO-CORR	YES	108519.1		5.7	34.15	39.85	29670	Valve	7021.05	Valve	32876.13	36	0.312	52	0.2	0.06	1.18	0.24	0.254861	335	1067	768	649	0.44	1.18							1598	Metal Loss		
37463	CLUSTER	YES	108519.5		6.08	33.77	39.85	29670	Valve	7021.43	Valve	32875.75	36	0.312	52	0.18	0.06	3.74	0.57	0.252778	335	1028	740	649	0.45	1.15							1250	Unknown		
37466	CLUSTER	YES	108521.2		7.74	32.11	39.85	29670	Valve	7023.09	Valve	32874.09	36	0.312	52	0.2	0.06	4.63	0.41	0.254861	335	1008	726	649	0.46	1.12							1250	Unknown		
37469	CLUSTER	YES	108527.8		14.38	25.46	39.85	29670	Valve	7029.74	Valve	32867.44	36	0.312	52	0.16	0.05	13.68	0.94	6:04	335	969	698	649	0.48	1.09							1250	Unknown		
37475	MELO-CORR	YES	108529.1		15.68	24.17	39.85	29670	Valve	7031.03	Valve	32866.15	36	0.312	52	0.21	0.07	0.98	0.20	6:08	335	1069	769	649	0.44	1.19							1598	Metal Loss		
37477	CLUSTER	YES	108532.6		19.19	20.65	39.85	29670	Valve	7034.54	Valve	32862.63	36	0.312	52	0.15	0.05	7.19	0.85	0.252778	335	1003	722	649	0.46	1.11							1250	Unknown		
37480	MELO-CORR	YES	108541.6		28.2	11.64	39.85	29670	Valve	7043.55	Valve	32853.63	36	0.312	52	0.18	0.06	1.14	0.28	0.255556	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37482	CLUSTER	YES	108542.3		28.86	10.98	39.85	29670	Valve	7044.21	Valve	32852.97	36	0.312	52	0.21	0.07	9.48	3.39	0.242361	335	953	687	649	0.49	1.10							1250	Unknown		
37488	CLUSTER	YES	108543.9		30.43	9.42	39.85	29670	Valve	7045.78	Valve	32851.4	36	0.312	52	0.22	0.07	4.52	2.70	5:53	335	1002	721	649	0.46	1.12							1250	Unknown		
37492	MELO-CORR	YES	108546.3		32.9	6.94	39.85	29670	Valve	7048.25	Valve	32848.93	36	0.312	52	0.17	0.05	1.61	0.39	5:52	335	1063	765	649	0.44	1.18							1598	Metal Loss		
37493	GirthWeld		108553.3		39.85	39.76	39.76	29680	Valve	7055.2	Valve	32841.98	36	0.312	52					0.458333	335			649									1250	Unknown		
37495	CLUSTER	YES	108553.4		0.14	39.62	39.76	29680	Valve	7055.34	Valve	32841.84	36	0.312	52	0.2	0.06	3.83	2.14	0.245833	335	1021	735	649	0.46	1.14							1250	Unknown		
37500	MELO-CORR	YES	108592.5		39.19	0.57	39.76	29680	Valve	7094.39	Valve	32802.79	36	0.312	52	0.22	0.07	1.26	0.24	0.245833	335	1065	766	649	0.44	1.18							1598	Metal Loss		
37501	GirthWeld		108593.1		39.76	39.79	39.79	29690	Valve	7094.96	Valve	32802.22	36	0.312	52					1:20	335			649									1250	Unknown		
37503	CLUSTER	YES	108593.2		0.13	39.66	39.79	29690	Valve	7095.09	Valve	32802.09	36	0.312	52	0.16	0.05	3.73	2.80	5:49	335	1034	745	649	0.45	1.14							1250	Unknown		
37508	CLUSTER	YES	108593.6		0.53	39.26	39.79	29690	Valve	7095.49	Valve	32801.69	36	0.312	52	0.15	0.05	1.96	2.83	0.245833	335	1060	763	649	0.44	1.18							1250	Unknown		
37511	CLUSTER	YES	108593.9		0.84	38.95	39.79	29690	Valve	7095.8	Valve	32801.38	36	0.312	52	0.23	0.07	9.28	1.48	0.247222	335	942	678	649	0.49	1.08							1250	Unknown		
37515	GW_Reinf		108632.8		39.79	39.56	39.56	29700	Valve	7134.75	Valve	32762.43	36	0.312	52					0.117361	335			649									1250	Unknown		
37516	MELO-CORR	YES	108653.4		20.59	18.97	39.56	29700	Valve	7155.34	Valve	32741.84	36	0.312	52	0.33	0.10	6.50	0.87	5:54	335	914	658	649	0.51	1.03							1598	Metal Loss		
37517	MELO-CORR	YES	108657.8		24.91	14.65	39.56	29700	Valve	7159.66	Valve	32737.52	36	0.312	52	0.16	0.05	1.22	0.20	5:53	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37518	MELO-CORR	YES	108662.9		30.1	9.46	39.56	29700	Valve	7164.85	Valve	32732.33	36	0.312	52	0.26	0.08	6.22	0.98	0.245139	335	957	689	649	0.49	1.07							1598	Metal Loss		
37519	MELO-CORR	YES	108671		38.15	1.41	39.56	29700	Valve	7172.9	Valve	32724.28	36	0.312	52	0.28	0.09	1.69	0.91	0.25625	335	1051	757	649	0.44	1.17							1598	Metal Loss		
37520	GirthWeld		108672.4		39.56	40	40	29710	Valve	7174.31	Valve	32722.87	36	0.312	52					0.464583	335			649									1250	Unknown		
37521	MELO-CORR	YES	108672.5		0.06	39.94	40	29710	Valve	7174.37	Valve	32722.81	36	0.312	52	0.35	0.11	6.69	0.94	6:09	335	899	647	649	0.52	1.02							1598	Metal Loss		
37522	MELO-CORR	YES	108672.7		0.33	39.67	40	29710	Valve	7174.64	Valve	32722.54	36	0.312	52	0.22	0.07	4.37	0.55	5:50	335	1005	723	649	0.46	1.12							1598	Metal Loss		
37523	AS_Sleeve		108674.5		2.08	37.92	40	29710	Valve	7176.39	Valve	32720.79	36	0.312	52						335			649									1789	Sleeve		
37524	AE_Sleeve		108679.6		7.2	32.8	40	29710	Valve	7181.51	Valve	32715.67	36	0.312	52						335			649									1789	Sleeve		
37526	CLUSTER	YES	108711		38.6	1.4	40	29710	Valve	7212.9	Valve	32684.27	36	0.312	52	0.19	0.06	4.39	1.89	0.25625	335	1015	731	649	0.46	1.12							1250	Unknown		
37530	CLUSTER	YES	108711.6		39.17	0.82	40	29710	Valve	7213.48	Valve	32683.7	36	0.312	52	0.19	0.06	3.10	1.01	5:49	335	1036	746	649	0.45	1.16							1250	Unknown		
37533	GirthWeld		108712.4		40	39.63	39.63	29720	Valve	7214.31	Valve	32682.87	36	0.312	52					9:57	335			649									1250	Unknown		
37535	CLUSTER	YES	108712.5		0.09	39.53	39.63	29720	Valve	7214.4	Valve	32682.78	36	0.312	52	0.19	0.06	4.18	3.02	0.242361	335	1018	733	649	0.46	1.14							1250	Unknown		
37539	MELO-CORR	YES	108714.9		2.5	37.13	39.63	29720	Valve	7216.81	Valve	32680.37	36	0.312	52	0.19	0.06	1.22	0.24	0.246528	335	1067	768	649	0.44	1.18							1598	Metal Loss		
37540	MELO-CORR	YES	108715.2		2.82	36.81	39.63	29720	Valve	7217.13	Valve	32680.05	36	0.312	52	0.2	0.06	1.22	0.35	0.246528	335	1066	768	649	0.44	1.18							1598	Metal Loss		
37542	CLUSTER	YES	108715.6		3.24	36.39	39.63	29720	Valve	7217.55	Valve	32679.63	36	0.312	52	0.24	0.08	4.54	2.92	5:54	335	994	716	649	0.47	1.12							1250	Unknown		
37546	MELO-CORR	YES	108716.1		3.73	35.9	39.63	29720	Valve	7218.04	Valve	32679.14	36	0.312	52	0.24	0.08	1.14	0.39	5:55	335	1065	767	649	0.44	1.18							1598	Metal Loss		
37548	CLUSTER	YES	108720.2		7.81	31.82	39.63	29720	Valve	7222.12	Valve	32675.06	36	0.312	52	0.27	0.08	3.29	2.26	0.245833	335	1011	728	649	0.46	1.13							1250	Unknown		
37552	CLUSTER	YES	108720.6		8.18	31.44	39.63	29720	Valve	7222.49	Valve	32674.69	36	0.312	52	0.26	0.08	3.84	3.27	0.244444	335	1001	721	649	0.46	1.13							1250	Unknown		
37558	CLUSTER	YES	108721.2		8.81	30.82	39.63	29720	Valve	7223.12	Valve	32674.06	36	0.312	52	0.24	0.08	3.74	0.85	0.245833	335	1010	727	649	0.46	1.14							1250	Unknown		
37561	CLUSTER	YES	108721.7		9.3	30.33	39.63	29720	Valve	7223.61	Valve	32673.57	36	0.312	52	0.27	0.08	2.96	1.54	6:06	335	1020	735	649	0.46	1.15							1250	Unknown		
37565	MELO-CORR	YES	108722.2		9.8	29.83	39.63	29720	Valve	7224.11	Valve	32673.07	36	0.312	52	0.19	0.06	1.10	0.20	5:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37567	CLUSTER	YES	108722.3		9.9	29.73	39.63	29720	Valve	7224.21	Valve	32672.97	36	0.312	52	0.23	0.07	4.19	0.50	0.254861	335	1005	723	649	0.46	1.14							1250	Unknown		
37571	CLUSTER	YES	108722.7		10.34	29.28	39.63	29720	Valve	7224.65	Valve	32672.53	36	0.312	52	0.28	0.09	18.88	4.87	0.243056	335	868	625	649	0.54	1.06							1250	Unknown		
37597	CLUSTER	YES	108724.4		12.01	27.62	39.63	29720	Valve	7226.32	Valve	32670.86	36	0.312	52	0.17	0.05	3.85	2.42	0.247222	335	1030	741	649	0.45	1.15							1250	Unknown		
37601	CLUSTER	YES	108725		12.58	27.05	39.63	29720	Valve	7226.89	Valve	32670.29	36	0.312	52	0.19	0.06	4.37	2.52	5:53	335	1015	731	649	0.46	1.14							1250	Unknown		
37606	CLUSTER	YES	108726.2		13.76	25.87	39.63	29720	Valve	7228.07	Valve	32669.11	36	0.312	52	0.19	0.06	2.65	2.26	5:56	335	1044	752	649	0.45	1.16							1250	Unknown		
37610	CLUSTER	YES	108726.8		14.44	25.19	39.63	29720	Valve	7228.75	Valve	32668.43	36	0.312	52	0.3	0.09	24.91	3.21	0.245139	335	843	607	649	0.55	1.04							1250	Unknown		
37637	CLUSTER	YES	108729.1		16.73	22.9	39.63	29720	Valve	7231.04	Valve	32666.14	36	0.312	52	0.23	0.07	21.36	2.80	0.245833	335	903	650	649	0.52	1.06							1250	Unknown		
37646	MELO-CORR	YES	108729.9		17.48	22.15	39.63	29720	Valve	7231.79	Valve	32665.39	36	0.312	52	0.18	0.06	1.14	0.20	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37655	CLUSTER	YES	108731		18.61	21.02	39.63	29720	Valve	7232.92	Valve	32664.26	36	0.312	52	0.22	0.07	3.64	1.98	5:56	335	1019	733	649	0.46	1.14							1250	Unknown		
37659	CLUSTER	YES	108731.5		19.09	20.54	39.63	29720	Valve	7233.4	Valve	32663.78	36	0.312	52	0.25	0.08	2.72	0.91	5:58	335	1031	742	649	0.45	1.15							1250	Unknown		
37663	CLUSTER	YES	108732.1		19.7	19.93	39.63	29720	Valve	7234.01	Valve	32663.17	36	0.312	52	0.22	0.07	4.74	1.23	0.242361	335	999	719	649	0.47	1.13							1250	Unknown		
37665	CLUSTER	YES	108732.2		19.76	19.87	39.63	29720	Valve	7234.07	Valve	32663.11	36	0.312	52	0.19	0.06	2.06	0.38	0.25625	335	1054	759	649	0.44	1.17							1250	Unknown		
37670	CLUSTER	YES	108732.5		20.12	19.51	39.63	29720	Valve	7234.43	Valve	32662.75	36	0.312	52	0.23	0.07	16.67	3.27	0.244444	335	912	656	649	0.51	1.06							1250	Unknown		
37685	CLUSTER	YES	108734		21.56	18.07	39.63	29720	Valve	7235.87	Valve	32661.31	36	0.312	52	0.33	0.10	5.27	1.51	6:12	335	939	676	649	0.50	1.08							1250	Unknown		
37690	CLUSTER	YES	108735.1		22.67	16.96	39.63	29720	Valve	7236.98	Valve	32660.2	36	0.312	52	0.24	0.08	1.94	0.82	6:06	335	1050	756	649	0.44	1.17							1250	Unknown		
37692	MELO-CORR	YES	108735.2		22.83	16.8	39.63	29720	Valve	7237.14	Valve	32660.04	36	0.312	52	0.17	0.05	1.22	0.39	0.24375	335	1068	769	649	0.44	1.18							1598	Metal Loss		
37694	CLUSTER	YES	108735.6		23.15	16.48	39.63	29720	Valve	7237.46	Valve	32659.72	36	0.312	52	0.18	0.06	2.95	0.47	0.254167	335	1041	750	649	0.45	1.16							1250	Unknown		
37697	CLUSTER	YES	108736.7		24.26	15.37	39.63	29720	Valve	7238.57	Valve	32658.61	36	0.312	52	0.19	0.06	6.11	1.07	0.253472	335	993	715	649	0.47	1.11							1250	Unknown		
37701	CLUSTER	YES	108737.7		25.3	14.33	39.63	29720	Valve	7239.61	Valve	32657.57	36	0.312	52	0.21	0.07	5.02	3.21	5:52	335	998	719	649	0.47	1.13							1250	Unknown		
37706	CLUSTER	YES	108738.3		25.87	13.76	39.63	29720	Valve	7240.18	Valve	32657	36	0.312	52	0.24	0.08	7.38	1.32	6:06	335	953	686	649	0.49	1.10							1250	Unknown		
37711	CLUSTER	YES	108738.5		26.06	13.57	39.63	29720	Valve	7240.37	Valve	32656.81	36	0.312	52	0.21	0.07	2.76	0.69	0.244444	335	1038	748	649	0.45	1.16							1250	Unknown		
37715	CLUSTER	YES	108739.6		27.15	12.48	39.63	29720	Valve	7241.46	Valve	32655.72	36	0.312	52	0.17	0.05	6.96	3.05	0.24375	335	995	716	649	0.47	1.10							1250	Unknown		
37723	CLUSTER	YES	108740.6		28.22	11.41	39.63	29720	Valve	7242.53	Valve	32654.65	36	0.312	52	0.18	0.06	8.47	1.01	0.255556	335	978	704	649	0.48	1.11							1250	Unknown		
37726	CLUSTER	YES	108740.8		28.42	11.21	39.63	29720	Valve	7242.73	Valve	32654.45	36	0.312	52	0.26	0.08	17.20	3.55	5:51	335	888	639	649	0.52	1.07							1250	Unknown		
37739	CLUSTER	YES	108742.4		30	9.63	39.63	29720	Valve	7244.31	Valve	32652.87	36	0.312	52	0.25	0.08	9.47	4.87	5:50	335	928	668	649	0.50	1.10							1250	Unknown		
37750	MELO-CORR	YES	108743.6		31.18	8.45	39.63	29720	Valve	7245.49	Valve	32651.69	36	0.312	52	0.19	0.06	1.10	0.35	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37752	CLUSTER	YES	108743.7		31.29	8.34	39.63	29720	Valve	7245.6	Valve	32651.58	36	0.312	52	0.22	0.07	3.90	0.72	0.256944	335	1013	730	649	0.46	1.14							1250	Unknown		
37756	CLUSTER	YES	108744.3		31.89	7.74	39.63	29720	Valve	7246.2	Valve	32650.98	36	0.312	52	0.21	0.07	12.29	3.36	0.245139	335	939	676	649	0.50	1.08							1250	Unknown		
37765	MELO-CORR	YES	108745.2		32.82	6.81	39.63	29720	Valve	7247.13	Valve	32650.05	36	0.312	52	0.15	0.05	1.18	0.32	5:50	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37767	CLUSTER	YES	108745.9		33.47	6.16	39.63	29720	Valve	7247.78	Valve	32649.4	36	0.312	52	0.26	0.08	2.11	0.28	5:53	335	1043	751	649	0.45	1.17							1250	Unknown		
37770	CLUSTER	YES	108747.1		34.71	4.92	39.63	29720	Valve	7249.02	Valve	32648.16	36	0.312	52	0.17	0.05	2.12	1.32	0.255556	335	1056	760	649	0.44	1.17							1250	Unknown		
37774	CLUSTER	YES	108747.9		35.54	4.08	39.63	29720	Valve	7249.85	Valve	32647.33	36	0.312	52	0.18	0.06	1.28	0.38	0.242361	335	1066	768	649	0.44	1.18							1250	Unknown		
37777	CLUSTER	YES	108748.4		36.01	3.62	39.63	29720	Valve	7250.32	Valve	32646.86	36	0.312	52	0.33	0.10	5.53	1.10	0.241667	335	933	671	649	0.50	1.09							1250	Unknown		
37782	CLUSTER	YES	108748.8		36.37	3.26	39.63	29720	Valve	7250.68	Valve	32646.5	36	0.312	52	0.18	0.06	3.12	0.85	6:11	335	1038	748	649	0.45	1.15							1250	Unknown		
37786	CLUSTER	YES	108749.1		36.65	2.98	39.63	29720	Valve	7250.96	Valve	32646.22	36	0.312	52	0.33	0.10	2.42	0.60	5:52	335	1022	736	649	0.46	1.15							1250	Unknown		
37789	CLUSTER	YES	108750.1		37.74	1.89	39.63	29720	Valve	7252.04	Valve	32645.13	36	0.312	52	0.17	0.05	2.45	0.50	0.242361	335	1051	757	649	0.44	1.17							1250	Unknown		
37791	GirthWeld		108752		39.63	39.62	39.62	29730	Valve	7253.94	Valve	32643.24	36	0.312	52					0.533333	335			649									1250	Unknown		
37792	MELO-CORR	YES	108752.3		0.25	39.37	39.62	29730	Valve	7254.19	Valve	32642.99	36	0.312	52	0.15	0.05	1.14	0.43	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37793	GirthWeld		108791.7		39.62	39.82	39.81	29740	Valve	7293.56	Valve	32603.62	36	0.312	52					2:46	335			649									1250	Unknown		
37794	GirthWeld		108831.5		39.81	37.3	37.3	29750	Valve	7333.37	Valve	32563.81	36	0.312	52					11:50	335			649									1250	Unknown		
37795	GirthWeld		108868.8		37.3	14.93	14.93	29760	Valve	7370.67	Valve	32526.51	36	0.312	52					0.401389	335			649									1250	Unknown		
37796	GirthWeld		108883.7		14.93	6.41	6.4	29770	Valve	7385.6	Valve	32511.58	36	0.312	52					0.5	335			649									1250	Unknown		
37797	GirthWeld		108890.1		6.41	17.09	17.1	29780	Valve	7392.01	Valve	32505.17	36	0.312	52					0.408333	335			649									1250	Unknown		
37798	GirthWeld		108907.2		17.09	38.78	38.78	29790	Valve	7409.1	Valve	32488.08	36	0.312	52					1:10	335			649									1250	Unknown		
37799	GirthWeld		108946		38.78	39.85	39.85	29800	Valve	7447.88	Valve	32449.3	36	0.312	52					2:08	335			649									1250	Unknown		
37800	GirthWeld		108985.8		39.85	39.84	39.84	29810	Valve	7487.73	Valve	32409.45	36	0.312	52					0.418056	335			649									1250	Unknown		
37801	GirthWeld		109025.7		39.84	39.75	39.76	29820	Valve	7527.57	Valve	32369.61	36	0.312	52					0.490278	335			649									1250	Unknown		
37802	GirthWeld		109065.4		39.75	39.85	39.85	29830	Valve	7567.32	Valve	32329.85

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
37905	MELO-CORR	YES	109385.2		7.86	32.17	40.04	29930	Valve	7887.14	Valve	32010.04	36	0.312	52	0.15	0.05	1.18	0.16	6:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37907	CLUSTER	YES	109389.2		11.86	28.18	40.04	29930	Valve	7891.14	Valve	32006.04	36	0.312	52	0.16	0.05	12.05	1.54	6:46	335	974	701	649	0.48	1.10							1250	Unknown		
37913	CLUSTER	YES	109394.7		17.28	22.75	40.04	29930	Valve	7896.56	Valve	32000.62	36	0.312	52	0.2	0.06	1.78	0.63	0.284028	335	1058	762	649	0.44	1.17							1250	Unknown		
37916	CLUSTER	YES	109406		28.65	11.39	40.04	29930	Valve	7907.93	Valve	31989.25	36	0.312	52	0.15	0.05	1.81	0.60	0.242361	335	1062	765	649	0.44	1.18							1250	Unknown		
37918	MELO-CORR	YES	109409.1		31.69	8.34	40.04	29930	Valve	7910.97	Valve	31986.21	36	0.312	52	0.15	0.05	1.22	0.20	0.259028	335	1069	769	649	0.44	1.19							1598	Metal Loss		
37919	MELO-CORR	YES	109409.8		32.38	7.65	40.04	29930	Valve	7911.66	Valve	31985.52	36	0.312	52	0.16	0.05	1.18	0.43	6:15	335	1069	769	649	0.44	1.19							1598	Metal Loss		
37921	CLUSTER	YES	109414.4		36.98	3.06	40.04	29930	Valve	7916.26	Valve	31980.92	36	0.312	52	0.18	0.06	2.47	2.26	5:57	335	1049	755	649	0.44	1.17							1250	Unknown		
37924	CLUSTER	YES	109414.9		37.5	2.53	40.04	29930	Valve	7916.78	Valve	31980.4	36	0.312	52	0.2	0.06	9.26	2.45	0.246528	335	961	692	649	0.48	1.08							1250	Unknown		
37934	CLUSTER	YES	109416.3		38.96	1.08	40.04	29930	Valve	7918.24	Valve	31978.94	36	0.312	52	0.19	0.06	4.57	1.32	0.241667	335	1013	729	649	0.46	1.14							1250	Unknown		
37937	GirthWeld		109417.4		40.03	38.75	38.75	29940	Valve	7919.31	Valve	31977.87	36	0.312	52					0.098611	335			649								1250	Unknown		
37939	CLUSTER	YES	109425.7		8.26	30.49	38.75	29940	Valve	7927.57	Valve	31969.61	36	0.312	52	0.17	0.05	10.45	3.21	6:03	335	974	701	649	0.48	1.10							1250	Unknown		
37948	MELO-CORR	YES	109440.9		23.45	15.3	38.75	29940	Valve	7942.76	Valve	31954.42	36	0.312	52	0.15	0.05	1.10	0.20	6:12	335	1070	770	649	0.43	1.19							1598	Metal Loss		
37949	MELO-CORR	YES	109442.2		24.82	13.93	38.75	29940	Valve	7944.13	Valve	31953.05	36	0.312	52	0.17	0.05	1.22	0.59	0.24375	335	1068	769	649	0.44	1.18							1598	Metal Loss		
37951	CLUSTER	YES	109443.4		25.95	12.8	38.75	29940	Valve	7945.26	Valve	31951.92	36	0.312	52	0.19	0.06	6.96	1.70	0.25	335	984	709	649	0.47	1.11							1250	Unknown		
37955	CLUSTER	YES	109444.5		27.1	11.65	38.75	29940	Valve	7946.41	Valve	31950.77	36	0.312	52	0.26	0.08	2.45	0.28	0.247222	335	1035	746	649	0.45	1.16							1250	Unknown		
37957	MELO-CORR	YES	109444.7		27.26	11.49	38.75	29940	Valve	7946.57	Valve	31950.61	36	0.312	52	0.16	0.05	1.10	0.28	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
37959	CLUSTER	YES	109446.7		29.27	9.48	38.75	29940	Valve	7948.58	Valve	31948.6	36	0.312	52	0.28	0.09	3.62	0.32	5:56	335	1000	720	649	0.47	1.15							1250	Unknown		
37962	CLUSTER	YES	109450.5		33.09	5.66	38.75	29940	Valve	7952.4	Valve	31944.78	36	0.312	52	0.17	0.05	1.15	0.60	0.242361	335	1068	769	649	0.44	1.19							1250	Unknown		
37965	CLUSTER	YES	109454		36.62	2.13	38.75	29940	Valve	7955.93	Valve	31941.25	36	0.312	52	0.17	0.05	3.25	1.10	0.250694	335	1038	748	649	0.45	1.16							1250	Unknown		
37967	GirthWeld		109456.2		38.75	39.85	39.85	29950	Valve	7958.06	Valve	31939.12	36	0.312	52					0.477778	335			649								1250	Unknown		
37968	MELO-CORR	YES	109457.9		1.79	38.06	39.85	29950	Valve	7959.85	Valve	31937.33	36	0.312	52	0.16	0.05	1.22	0.35	6:15	335	1068	769	649	0.44	1.19							1598	Metal Loss		
37969	MELO-CORR	YES	109458.2		2.01	37.84	39.85	29950	Valve	7960.07	Valve	31937.11	36	0.312	52	0.23	0.07	0.94	0.47	5:53	335	1069	769	649	0.44	1.19							1598	Metal Loss		
37971	CLUSTER	YES	109458.7		2.55	37.3	39.85	29950	Valve	7960.61	Valve	31936.57	36	0.312	52	0.27	0.08	11.34	2.04	0.256944	335	903	650	649	0.52	1.08							1250	Unknown		
37975	CLUSTER	YES	109458.8		2.68	37.17	39.85	29950	Valve	7960.74	Valve	31936.44	36	0.312	52	0.25	0.08	6.42	0.97	0.238889	335	959	691	649	0.49	1.12							1250	Unknown		
37982	CLUSTER	YES	109460.3		4.16	35.68	39.85	29950	Valve	7962.22	Valve	31934.96	36	0.312	52	0.17	0.05	5.21	1.26	0.260417	335	1012	729	649	0.46	1.13							1250	Unknown		
37988	CLUSTER	YES	109462.1		5.93	33.91	39.85	29950	Valve	7963.99	Valve	31933.19	36	0.312	52	0.24	0.08	3.38	1.35	5:48	335	1018	733	649	0.46	1.13							1250	Unknown		
37990	MELO-CORR	YES	109462.7		6.51	33.33	39.85	29950	Valve	7964.57	Valve	31932.61	36	0.312	52	0.25	0.08	1.10	0.32	5:50	335	1065	767	649	0.44	1.18							1598	Metal Loss		
37992	CLUSTER	YES	109473		16.89	22.96	39.85	29950	Valve	7974.95	Valve	31922.23	36	0.312	52	0.15	0.05	5.88	1.92	0.247222	335	1014	730	649	0.46	1.13							1250	Unknown		
37995	GirthWeld		109496		39.85	39.69	39.7	29960	Valve	7997.91	Valve	31899.27	36	0.312	52					0.419444	335			649								1250	Unknown		
37996	GirthWeld		109535.7		39.69	39.96	39.95	29970	Valve	8037.6	Valve	31859.58	36	0.312	52					0.529167	335			649								1250	Unknown		
37998	CLUSTER	YES	109550.9		15.16	24.79	39.95	29970	Valve	8052.76	Valve	31844.42	36	0.312	52	0.16	0.05	1.84	0.44	6:09	335	1061	764	649	0.44	1.18							1250	Unknown		
38000	GirthWeld		109575.7		39.96	34.83	34.83	29980	Valve	8077.56	Valve	31819.62	36	0.312	52					2:50	335			649								1250	Unknown		
38002	CLUSTER	YES	109577.4		1.79	33.04	34.83	29980	Valve	8079.35	Valve	31817.83	36	0.312	52	0.16	0.05	3.60	0.35	0.246528	335	1036	746	649	0.45	1.15							1250	Unknown		
38005	CLUSTER	YES	109578.8		3.13	31.7	34.83	29980	Valve	8080.69	Valve	31816.49	36	0.312	52	0.17	0.05	4.49	1.01	0.242361	335	1021	735	649	0.46	1.14							1250	Unknown		
38007	MELO-CORR	YES	109579.4		3.75	31.08	34.83	29980	Valve	8081.31	Valve	31815.87	36	0.312	52	0.15	0.05	1.10	0.24	0.243056	335	1070	770	649	0.43	1.19							1598	Metal Loss		
38008	MELO-CORR	YES	109580.1		4.46	30.37	34.83	29980	Valve	8082.02	Valve	31815.16	36	0.312	52	0.17	0.05	1.22	0.16	5:51	335	1068	769	649	0.44	1.18							1598	Metal Loss		
38010	CLUSTER	YES	109581.4		5.79	29.04	34.83	29980	Valve	8083.35	Valve	31813.83	36	0.312	52	0.25	0.08	3.98	0.54	5:55	335	1002	721	649	0.46	1.14							1250	Unknown		
38013	CLUSTER	YES	109582		6.32	28.51	34.83	29980	Valve	8083.88	Valve	31813.3	36	0.312	52	0.2	0.06	8.76	0.82	0.24375	335	964	694	649	0.48	1.10							1250	Unknown		
38020	CLUSTER	YES	109584.5		8.81	26.01	34.83	29980	Valve	8086.37	Valve	31810.81	36	0.312	52	0.16	0.05	1.28	0.85	0.265972	335	1067	768	649	0.44	1.18							1250	Unknown		
38023	CLUSTER	YES	109584.6		8.91	25.91	34.83	29980	Valve	8086.47	Valve	31810.71	36	0.312	52	0.23	0.07	12.64	2.55	0.247222	335	924	665	649	0.50	1.09							1250	Unknown		
38031	CLUSTER	YES	109587.9		12.25	22.58	34.83	29980	Valve	8089.81	Valve	31807.37	36	0.312	52	0.19	0.06	13.86	3.30	5:38	335	948	682	649	0.49	1.08							1250	Unknown		
38040	MELO-CORR	YES	109589.5		13.83	21	34.83	29980	Valve	8091.39	Valve	31805.79	36	0.312	52	0.18	0.06	1.18	0.59	5:50	335	1068	769	649	0.44	1.18							1598	Metal Loss		
38042	CLUSTER	YES	109589.8		14.14	20.68	34.83	29980	Valve	8091.7	Valve	31805.48	36	0.312	52	0.21	0.07	2.99	3.11	0.242361	335	1034	744	649	0.45	1.16							1250	Unknown		
38046	CLUSTER	YES	109590.3		14.63	20.2	34.83	29980	Valve	8092.19	Valve	31804.99	36	0.312	52	0.15	0.05	1.37	0.88	0.263889	335	1067	768	649	0.44	1.18							1250	Unknown		
38049	CLUSTER	YES	109590.9		15.21	19.61	34.83	29980	Valve	8092.77	Valve	31804.41	36	0.312	52	0.18	0.06	7.51	1.54	0.240278	335	985	709	649	0.47	1.11							1250	Unknown		
38054	MELO-CORR	YES	109592		16.37	18.45	34.83	29980	Valve	8093.93	Valve	31803.25	36	0.312	52	0.18	0.06	1.14	0.51	6:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38055	MELO-CORR	YES	109592.2		16.5	18.33	34.83	29980	Valve	8094.06	Valve	31803.12	36	0.312	52	0.15	0.05	1.18	0.20	5:42	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38057	CLUSTER	YES	109592.5		16.82	18.01	34.83	29980	Valve	8094.38	Valve	31802.8	36	0.312	52	0.24	0.08	5.35	2.33	0.245139	335	980	706	649	0.47	1.12							1250	Unknown		
38062	MELO-CORR	YES	109593.2		17.59	17.24	34.83	29980	Valve	8095.15	Valve	31802.03	36	0.312	52	0.16	0.05	1.22	0.35	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38063	MELO-CORR	YES	109593.4		17.78	17.05	34.83	29980	Valve	8095.34	Valve	31801.84	36	0.312	52	0.2	0.06	1.22	0.20	0.247917	335	1066	768	649	0.44	1.18							1598	Metal Loss		
38065	CLUSTER	YES	109594.9		19.23	15.59	34.83	29980	Valve	8096.79	Valve	31800.39	36	0.312	52	0.33	0.10	6.67	3.08	5:55	335	911	656	649	0.51	1.10							1250	Unknown		
38071	CLUSTER	YES	109595.2		19.57	15.26	34.83	29980	Valve	8097.13	Valve	31800.05	36	0.312	52	0.32	0.10	5.11	1.16	5:50	335	947	682	649	0.49	1.11							1250	Unknown		
38075	CLUSTER	YES	109596		20.34	14.49	34.83	29980	Valve	8097.9	Valve	31799.28	36	0.312	52	0.21	0.07	8.08	1.51	0.242361	335	964	694	649	0.48	1.11							1250	Unknown		
38082	MELO-CORR	YES	109597		21.38	13.44	34.83	29980	Valve	8098.94	Valve	31798.24	36	0.312	52	0.17	0.05	1.22	0.67	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
38084	CLUSTER	YES	109598.2		22.5	12.32	34.83	29980	Valve	8100.06	Valve	31797.12	36	0.312	52	0.27	0.08	13.58	5.53	0.243056	335	892	642	649	0.52	1.06							1250	Unknown		
38100	CLUSTER	YES	109599.4		23.76	11.06	34.83	29980	Valve	8101.32	Valve	31795.86	36	0.312	52	0.25	0.08	2.90	0.38	5:50	335	1026	739	649	0.45	1.15							1250	Unknown		
38103	CLUSTER	YES	109601.4		25.7	9.13	34.83	29980	Valve	8103.26	Valve	31793.92	36	0.312	52	0.16	0.05	4.38	1.07	5:49	335	1026	739	649	0.45	1.14							1250	Unknown		
38105	MELO-CORR	YES	109602.4		26.76	8.06	34.83	29980	Valve	8104.32	Valve	31792.85	36	0.312	52	0.21	0.07	0.94	0.83	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38107	CLUSTER	YES	109603.4		27.76	7.07	34.83	29980	Valve	8105.32	Valve	31791.86	36	0.312	52	0.33	0.10	9.25	2.73	0.244444	335	877	632	649	0.53	1.08							1250	Unknown		
38115	CLUSTER	YES	109605.4		29.77	5.06	34.83	29980	Valve	8107.33	Valve	31789.85	36	0.312	52	0.16	0.05	2.34	0.54	0.242361	335	1054	759	649	0.44	1.17							1250	Unknown		
38118	CLUSTER	YES	109605.6		29.96	4.86	34.83	29980	Valve	8107.52	Valve	31789.66	36	0.312	52	0.2	0.06	4.54	1.82	6:08	335	1009	727	649	0.46	1.13							1250	Unknown		
38123	CLUSTER	YES	109606.1		30.48	4.35	34.83	29980	Valve	8108.04	Valve	31789.14	36	0.312	52	0.23	0.07	4.16	0.79	6:10	335	1005	723	649	0.46	1.14							1250	Unknown		
38127	CLUSTER	YES	109606.4		30.72	4.11	34.83	29980	Valve	8108.28	Valve	31788.9	36	0.312	52	0.16	0.05	3.04	0.38	0.244444	335	1044	752	649	0.45	1.16							1250	Unknown		
38130	CLUSTER	YES	109608.9		33.24	1.59	34.83	29980	Valve	8110.8	Valve	31786.38	36	0.312	52	0.18	0.06	6.32	0.88	0.253472	335	995	717	649	0.47	1.11							1250	Unknown		
38134	CLUSTER	YES	109609.7		34.07	0.76	34.83	29980	Valve	8111.63	Valve	31785.55	36	0.312	52	0.18	0.06	6.10	0.88	0.248611	335	998	718	649	0.47	1.11							1250	Unknown		
38136	GirthWeld		109610.5		34.83	36.15	36.15	29990	Valve	8112.39	Valve	31784.79	36	0.312	52					10:40	335			649								1250	Unknown		
38138	CLUSTER	YES	109612.7		2.23	33.92	36.15	29990	Valve	8114.62	Valve	31782.56	36	0.312	52	0.24	0.08	15.35	3.08	5:52	335	907	653	649	0.51	1.05							1250	Unknown		
38150	MELO-CORR	YES	109615.9		5.39	30.76	36.15	29990	Valve	8117.78	Valve	31779.4	36	0.312	52	0.15	0.05	1.18	0.20	0.2625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38152	CLUSTER	YES	109616.5		6.02	30.13	36.15	29990	Valve	8118.41	Valve	31778.77	36	0.312	52	0.19	0.06	4.00	0.35	0.240278	335	1022	736	649	0.46	1.15							1250	Unknown		
38154	MELO-CORR	YES	109617.2		6.73	29.42	36.15	29990	Valve	8119.12	Valve	31778.06	36	0.312	52	0.2	0.06	1.14	0.20	0.258333	335	1067	768	649	0.44	1.18							1598	Metal Loss		
38155	MELO-CORR	YES	109617.6		7.14	29.01	36.15	29990	Valve	8119.53	Valve	31777.65	36	0.312	52	0.16	0.05	1.18	0.20	6:11	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38156	MELO-CORR	YES	109618.3		7.79	28.36	36.15	29990	Valve	8120.18	Valve	31777	36	0.312	52	0.15	0.05	1.22	0.47	5:45	335	1069	769	649	0.44	1.19							1598	Metal Loss		
38157	MELO-CORR	YES	109621.1		10.62	25.53	36.15	29990	Valve	8123.01	Valve	31774.17	36	0.312	52	0.16	0.05	1.22	0.20	0.2625	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38159	CLUSTER	YES	109622.7		12.17	23.98	36.15	29990	Valve	8124.56	Valve	31772.62	36	0.312	52	0.22	0.07	22.21	2.80	0.247222	335	910	655	649	0.51	1.06							1250	Unknown		
38174	CLUSTER	YES	109626.7		16.26	19.89	36.15	29990	Valve	8128.65	Valve	31768.53	36	0.312	52	0.19	0.06	2.47	2.42	0.234028	335	1047	754	649	0.44	1.17							1250	Unknown		
38175	MELO-CORR	YES	109626.8		16.3	19.85	36.15	29990	Valve	8128.69	Valve	31768.49	36	0.312	52	0.25	0.08	1.10	0.20	6:11	335	1065	767	649	0.44	1.18							1598	Metal Loss		
38177	MELO-CORR	YES	109627.8		17.35	18.8	36.15	29990	Valve	8129.74	Valve	31767.44	36	0.312	52	0.17	0.05	1.22	0.35	6:11	335	1068	769	649	0.44	1.18							1598	Metal Loss		
38179	CLUSTER	YES	109628.4		17.88	18.27	36.15	29990	Valve	8130.27	Valve	31766.91	36	0.312	52	0.25	0.08	3.04	1.45	0.257639	335	1023	737	649	0.45	1.15							1250	Unknown		
38182	CLUSTER	YES	109629.1		18.6	17.55	36.15	29990	Valve	8130.99	Valve	31766.19	36	0.312	52	0.17	0.05	4.90	2.08	0.254167	335	1016	731	649	0.46	1.13							1250	Unknown		
38186	MELO-CORR	YES	109629.6		19.09	17.06	36.15	29990	Valve	8131.48	Valve	31765.7	36	0.312	52	0.17	0.05	1.10	0.20	0.239583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38188	CLUSTER	YES	109630		19.48	16.67	36.15	29990	Valve	8131.87	Valve	31765.31	36	0.312	52	0.2	0.06	10.39	1.95	6:18	335	955	687	649	0.49	1.09							1250	Unknown		
38192	CLUSTER	YES	109630.1		19.63	16.52	36.15	29990	Valve	8132.02	Valve	31765.16	36	0.312	52	0.22	0.07	3.07	1.07	5:49	335	1030	741	649	0.45	1.16							1250	Unknown		
38201	MELO-CORR	YES	109630.6		20.07	16.08	36.15	29990	Valve	8132.46	Valve	31764.72	36	0.312	52	0.22	0.07	1.14	0.63	0.239583	335	1066	768	649	0.44	1.18							1598	Metal Loss		
38203	CLUSTER	YES	109630.8		20.35	15.8	36.15	29990	Valve	8132.74	Valve	31764.44	36	0.312	52	0.16	0.05	9.05	3.33	0.232639	335	986	710	649	0.47	1.09							1250	Unknown		
38206	CLUSTER	YES	109630.9		20.45	15.7	36.15	29990	Valve	8132.84	Valve	31764.34	36	0.312	52	0.22	0.07	6.37	2.20	0.2625	335	975	702	649	0.48	1.12							1250	Unknown		
38221	MELO-CORR	YES	109631.6		21.09	15.06	36.15	29990	Valve	8133.48	Valve	31763.7	36	0.312	52	0.16	0.05	1.10	0.47	6:11	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38222	MELO-CORR	YES	109631.7		21.22	14.93	36.15	29990	Valve	8133.61	Valve	31763.57	36	0.312	52	0.15	0.05	1.14	0.35	5:51	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38224	CLUSTER	YES	109632.5		21.98	14.17	36.15	29990	Valve	8134.37	Valve	31762.81	36	0.312	52	0.16	0.05	8.17	2.11	0.261806	335	991	714	649	0.47	1.11							1250	Unknown		
38231	CLUSTER	YES	109633.4		22.93	13.22	36.15	29990	Valve	8135.32	Valve	31761.86	36	0.312	52	0.24	0.08	8.39	2.14	0.261806	335	943	679	649	0.49	1.10							1250	Unknown		
38235	CLUSTER	YES	109633.5		23.04	13.11	36.15	29990	Valve	8135.43	Valve	31761.75	36	0.312	52	0.15	0.05	6.41	2.20	0.231944	335	1009	726	649	0.46	1.12							1250	Unknown		
38249	CLUSTER	YES	109634.2		23.73	12.42	36.15	29990	Valve	8136.12	Valve	31761.06	36	0.312	52	0.15	0.05	9.56	2.67	6:17	335	990	713	649	0.47	1.11							1250	Unknown		
38258	CLUSTER	YES	109635.6		25.1	11.05	36.15	29990	Valve	8137.49	Valve	31759.69	36	0.312	52	0.22	0.07	8.12	5.31	5:52	335	958	689	649	0.49	1.08							1250	Unknown		
38265	CLUSTER	YES	109636.3		25.77	10.38	36.15	29990	Valve	8138.16	Valve	31759.02	36	0.312	52	0.18	0.06	4.38	2.20	0.238889	335	1019	734	649	0.46	1.13							1250	Unknown		
38269	CLUSTER	YES	109637.1		26.59	9.56	36.15	29990	Valve	8138.98	Valve	31758.2	36	0.312	52	0.16	0.05	8.30	2.73	0.25625	335	991	713	649	0.47	1.11							1250	Unknown		
38277	CLUSTER	YES	109638.4		27.92	8.23	36.15	29990	Valve	8140.31	Valve	31756.87	36	0.312	52	0.34	0.11	15.52	6.79	0.245139	335	831	598	649	0.56	1.00							1250	Unknown		
38285	CLUSTER	YES	109639.3		28.84	7.31	36.15	29990	Valve	8141.23	Valve	31755.95	36	0.312	52	0.15	0.05	3.38	0.41	5:44	335	1041	750	649	0.45	1.15							1250	Unknown		
38289	MELO-CORR	YES	109639.8		29.3	6.85	36.15	29990

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
38446	MELO-CORR	YES	109679.5		4.69	5.27	9.96	30030	Valve	8181.36	Valve	31715.82	36	0.312	52	0.18	0.06	1.14	0.24	6:11	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38448	CLUSTER	YES	109681.6		6.83	3.13	9.96	30030	Valve	8183.5	Valve	31713.68	36	0.312	52	0.15	0.05	1.81	1.98	5:55	335	1062	765	649	0.44	1.18							1250	Unknown		
38450	GirthWeld		109684.7		9.96	39.14	39.14	30040	Valve	8186.63	Valve	31710.55	36	0.312	52					0.070139	335			649									1250	Unknown		
38451	GirthWeld		109723.9		39.14	39.82	39.81	30050	Valve	8225.77	Valve	31671.41	36	0.312	52					0.534722	335			649									1250	Unknown		
38452	GirthWeld		109763.7		39.82	39.41	39.42	30060	Valve	8265.59	Valve	31631.59	36	0.312	52					0.430556	335			649									1250	Unknown		
38453	GirthWeld		109803.1		39.41	39.03	39.03	30070	Valve	8305	Valve	31592.18	36	0.312	52					11:24	335			649									1250	Unknown		
38454	GirthWeld		109842.1		39.03	39.71	39.71	30080	Valve	8344.03	Valve	31553.15	36	0.312	52					12:46	335			649									1250	Unknown		
38455	GirthWeld		109881.8		39.71	38.72	38.72	30090	Valve	8383.74	Valve	31513.44	36	0.312	52					0.086111	335			649									1250	Unknown		
38456	GirthWeld		109920.6		38.72	39.86	39.86	30100	Valve	8422.46	Valve	31474.72	36	0.312	52					0.463889	335			649									1250	Unknown		
38457	GirthWeld		109960.4		39.86	39.05	39.05	30110	Valve	8462.32	Valve	31434.86	36	0.312	52					0.444444	335			649									1250	Unknown		
38458	MELO-CORR	YES	109973.7		13.3	25.74	39.05	30110	Valve	8475.62	Valve	31421.56	36	0.312	52	0.15	0.05	1.14	0.20	6:05	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38459	GirthWeld		109999.5		39.05	39.78	39.78	30120	Valve	8501.37	Valve	31395.81	36	0.312	52					1:56	335			649									1250	Unknown		
38460	GirthWeld		110039.2		39.78	39.72	39.72	30130	Valve	8541.15	Valve	31356.03	36	0.312	52					0.525	335			649									1250	Unknown		
38461	GirthWeld		110079		39.72	39.73	39.73	30140	Valve	8580.87	Valve	31316.31	36	0.312	52					0.457639	335			649									1250	Unknown		
38463	CLUSTER	YES	110101.9		22.91	16.82	39.73	30140	Valve	8603.78	Valve	31293.4	36	0.312	52	0.17	0.05	2.84	1.54	0.247917	335	1045	752	649	0.45	1.16							1250	Unknown		
38466	CLUSTER	YES	110106.9		27.92	11.81	39.73	30140	Valve	8608.79	Valve	31288.39	36	0.312	52	0.15	0.05	7.66	0.91	5:58	335	1000	720	649	0.47	1.12							1250	Unknown		
38470	CLUSTER	YES	110113		34.04	5.69	39.73	30140	Valve	8614.91	Valve	31282.27	36	0.312	52	0.22	0.07	6.98	1.79	5:56	335	969	697	649	0.48	1.10							1250	Unknown		
38476	CLUSTER	YES	110114.3		35.31	4.42	39.73	30140	Valve	8616.18	Valve	31281	36	0.312	52	0.18	0.06	6.14	1.07	0.247222	335	997	718	649	0.47	1.10							1250	Unknown		
38481	CLUSTER	YES	110115.6		36.66	3.07	39.73	30140	Valve	8617.53	Valve	31279.65	36	0.312	52	0.22	0.07	4.69	1.32	0.247222	335	999	720	649	0.47	1.12							1250	Unknown		
38483	GirthWeld		110118.7		39.73	38.31	38.32	30150	Valve	8620.6	Valve	31276.58	36	0.312	52					0.470833	335			649									1250	Unknown		
38485	CLUSTER	YES	110119.3		0.65	37.67	38.32	30150	Valve	8621.25	Valve	31275.93	36	0.312	52	0.18	0.06	8.96	3.46	5:44	335	975	702	649	0.48	1.11							1250	Unknown		
38493	CLUSTER	YES	110120.5		1.78	36.53	38.32	30150	Valve	8622.38	Valve	31274.8	36	0.312	52	0.16	0.05	5.28	1.60	5:50	335	1015	731	649	0.46	1.13							1250	Unknown		
38497	CLUSTER	YES	110121		2.34	35.98	38.32	30150	Valve	8622.94	Valve	31274.24	36	0.312	52	0.2	0.06	9.08	1.82	0.241667	335	962	693	649	0.48	1.10							1250	Unknown		
38500	CLUSTER	YES	110121.1		2.44	35.88	38.32	30150	Valve	8623.04	Valve	31274.14	36	0.312	52	0.2	0.06	7.33	1.51	0.263194	335	976	703	649	0.48	1.11							1250	Unknown		
38509	CLUSTER	YES	110122.1		3.37	34.94	38.32	30150	Valve	8623.97	Valve	31273.21	36	0.312	52	0.26	0.08	8.56	3.52	0.243056	335	930	669	649	0.50	1.09							1250	Unknown		
38516	CLUSTER	YES	110122.8		4.11	34.2	38.32	30150	Valve	8624.71	Valve	31272.47	36	0.312	52	0.15	0.05	5.04	4.81	6:00	335	1022	736	649	0.46	1.14							1250	Unknown		
38523	CLUSTER	YES	110123.3		4.59	33.72	38.32	30150	Valve	8625.19	Valve	31271.99	36	0.312	52	0.17	0.05	18.76	4.15	6:08	335	952	686	649	0.49	1.08							1250	Unknown		
38526	CLUSTER	YES	110123.4		4.66	33.65	38.32	30150	Valve	8625.26	Valve	31271.92	36	0.312	52	0.15	0.05	10.03	1.01	0.243056	335	988	711	649	0.47	1.10							1250	Unknown		
38547	MELO-CORR	YES	110125		6.32	31.99	38.32	30150	Valve	8626.92	Valve	31270.26	36	0.312	52	0.18	0.06	1.22	0.16	0.244444	335	1067	768	649	0.44	1.18							1598	Metal Loss		
38548	MELO-CORR	YES	110125.9		7.17	31.14	38.32	30150	Valve	8627.77	Valve	31269.41	36	0.312	52	0.19	0.06	1.10	0.20	0.244444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38550	CLUSTER	YES	110127.1		8.44	29.87	38.32	30150	Valve	8629.04	Valve	31268.14	36	0.312	52	0.25	0.08	10.48	3.02	6:11	335	921	663	649	0.50	1.09							1250	Unknown		
38560	CLUSTER	YES	110129.5		10.82	27.5	38.32	30150	Valve	8631.42	Valve	31265.76	36	0.312	52	0.2	0.06	9.34	4.02	6:11	335	961	692	649	0.48	1.10							1250	Unknown		
38562	CLUSTER	YES	110129.5		10.83	27.48	38.32	30150	Valve	8631.43	Valve	31265.75	36	0.312	52	0.15	0.05	4.10	1.01	0.244444	335	1032	743	649	0.45	1.15							1250	Unknown		
38572	CLUSTER	YES	110130.5		11.77	26.54	38.32	30150	Valve	8632.37	Valve	31264.81	36	0.312	52	0.21	0.07	9.44	4.71	0.238889	335	954	687	649	0.49	1.10							1250	Unknown		
38580	CLUSTER	YES	110131.7		12.97	25.34	38.32	30150	Valve	8633.57	Valve	31263.61	36	0.312	52	0.16	0.05	3.73	1.16	0.257639	335	1034	745	649	0.45	1.15							1250	Unknown		
38583	CLUSTER	YES	110132		13.32	25	38.32	30150	Valve	8633.92	Valve	31263.26	36	0.312	52	0.2	0.06	2.98	0.60	5:52	335	1036	746	649	0.45	1.16							1250	Unknown		
38586	CLUSTER	YES	110133.1		14.44	23.87	38.32	30150	Valve	8635.04	Valve	31262.13	36	0.312	52	0.21	0.07	19.87	5.59	5:52	335	921	663	649	0.51	1.08							1250	Unknown		
38589	MELO-CORR	YES	110133.6		14.95	23.36	38.32	30150	Valve	8635.55	Valve	31261.63	36	0.312	52	0.17	0.05	1.18	0.20	0.268056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38598	CLUSTER	YES	110134.4		15.65	22.66	38.32	30150	Valve	8636.26	Valve	31260.92	36	0.312	52	0.33	0.10	2.51	0.47	0.245833	335	1019	734	649	0.46	1.15							1250	Unknown		
38604	CLUSTER	YES	110134.8		16.11	22.2	38.32	30150	Valve	8636.71	Valve	31260.47	36	0.312	52	0.25	0.08	8.08	2.11	0.247917	335	940	677	649	0.49	1.11							1250	Unknown		
38610	MELO-CORR	YES	110135.8		17.11	21.21	38.32	30150	Valve	8637.71	Valve	31259.47	36	0.312	52	0.16	0.05	1.10	0.32	5:56	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38612	CLUSTER	YES	110136.4		17.67	20.64	38.32	30150	Valve	8638.27	Valve	31258.91	36	0.312	52	0.16	0.05	6.25	1.07	6:09	335	1006	724	649	0.46	1.13							1250	Unknown		
38616	CLUSTER	YES	110137		18.29	20.02	38.32	30150	Valve	8638.89	Valve	31258.29	36	0.312	52	0.3	0.09	10.87	2.92	0.247222	335	885	637	649	0.53	1.05							1250	Unknown		
38623	CLUSTER	YES	110138.6		19.94	18.37	38.32	30150	Valve	8640.54	Valve	31256.64	36	0.312	52	0.19	0.06	19.99	5.03	0.240972	335	936	674	649	0.50	1.06							1250	Unknown		
38639	CLUSTER	YES	110141.8		23.11	15.21	38.32	30150	Valve	8643.71	Valve	31253.47	36	0.312	52	0.16	0.05	25.27	3.17	0.240972	335	954	687	649	0.49	1.07							1250	Unknown		
38659	CLUSTER	YES	110143.9		25.25	13.06	38.32	30150	Valve	8645.85	Valve	31251.33	36	0.312	52	0.19	0.06	17.44	3.58	5:47	335	940	677	649	0.50	1.09							1250	Unknown		
38670	CLUSTER	YES	110145.9		27.2	11.11	38.32	30150	Valve	8647.8	Valve	31249.38	36	0.312	52	0.3	0.09	24.55	3.90	5:54	335	844	607	649	0.55	0.99							1250	Unknown		
38687	CLUSTER	YES	110149.3		30.6	7.72	38.32	30150	Valve	8651.2	Valve	31245.98	36	0.312	52	0.23	0.07	24.22	5.31	0.239583	335	900	648	649	0.52	1.04							1250	Unknown		
38703	CLUSTER	YES	110150.8		32.06	6.25	38.32	30150	Valve	8652.66	Valve	31244.52	36	0.312	52	0.16	0.05	1.27	0.91	0.260417	335	1068	769	649	0.44	1.18							1250	Unknown		
38708	CLUSTER	YES	110151.8		33.13	5.18	38.32	30150	Valve	8653.73	Valve	31243.45	36	0.312	52	0.25	0.08	17.62	2.39	0.2375	335	894	644	649	0.52	1.06							1250	Unknown		
38713	MELO-CORR	YES	110152.2		33.48	4.83	38.32	30150	Valve	8654.08	Valve	31243.1	36	0.312	52	0.19	0.06	1.26	0.20	6:08	335	1066	768	649	0.44	1.18							1598	Metal Loss		
38722	CLUSTER	YES	110153.6		34.88	3.43	38.32	30150	Valve	8655.48	Valve	31241.7	36	0.312	52	0.23	0.07	2.56	1.32	5:43	335	1038	748	649	0.45	1.16							1250	Unknown		
38725	CLUSTER	YES	110154.8		36.13	2.18	38.32	30150	Valve	8656.73	Valve	31240.45	36	0.312	52	0.18	0.06	6.79	2.83	0.242361	335	991	713	649	0.47	1.12							1250	Unknown		
38727	CLUSTER	YES	110154.8		36.15	2.17	38.32	30150	Valve	8656.75	Valve	31240.43	36	0.312	52	0.17	0.05	5.72	1.23	0.265972	335	1006	725	649	0.46	1.12							1250	Unknown		
38734	CLUSTER	YES	110155.9		37.17	1.14	38.32	30150	Valve	8657.77	Valve	31239.41	36	0.312	52	0.16	0.05	4.51	0.79	0.2375	335	1024	737	649	0.45	1.14							1250	Unknown		
38738	CLUSTER	YES	110156.4		37.7	0.61	38.32	30150	Valve	8658.3	Valve	31238.88	36	0.312	52	0.2	0.06	5.56	4.40	5:44	335	995	716	649	0.47	1.13							1250	Unknown		
38745	GirthWeld		110157		38.31	39.57	39.57	30160	Valve	8658.91	Valve	31238.27	36	0.312	52					12:22	335			649									1250	Unknown		
38747	CLUSTER	YES	110157.2		0.16	39.41	39.57	30160	Valve	8659.07	Valve	31238.11	36	0.312	52	0.21	0.07	7.02	2.23	0.244444	335	973	701	649	0.48	1.12							1250	Unknown		
38752	CLUSTER	YES	110178.8		21.84	17.73	39.57	30160	Valve	8680.75	Valve	31216.43	36	0.312	52	0.16	0.05	1.22	0.44	0.240972	335	1068	769	649	0.44	1.18							1250	Unknown		
38755	CLUSTER	YES	110182.9		25.9	13.67	39.57	30160	Valve	8684.81	Valve	31212.37	36	0.312	52	0.15	0.05	4.79	0.47	0.243056	335	1024	737	649	0.45	1.14							1250	Unknown		
38758	CLUSTER	YES	110186		29.03	10.54	39.57	30160	Valve	8687.94	Valve	31209.24	36	0.312	52	0.15	0.05	6.19	0.63	6:10	335	1011	728	649	0.46	1.13							1250	Unknown		
38762	CLUSTER	YES	110187.6		30.58	8.99	39.57	30160	Valve	8689.49	Valve	31207.69	36	0.312	52	0.16	0.05	6.70	0.76	5:52	335	1002	721	649	0.46	1.11							1250	Unknown		
38766	GirthWeld		110196.6		39.57	13.73	13.73	30170	Valve	8698.48	Valve	31198.7	36	0.312	52					0.058333	335			649									1250	Unknown		
38767	GirthWeld		110210.3		13.73	6.25	6.26	30180	Valve	8712.21	Valve	31184.97	36	0.312	52					0.498611	335			649									1250	Unknown		
38768	GirthWeld		110216.6		6.25	18.35	18.35	30190	Valve	8718.46	Valve	31178.72	36	0.312	52					0.072222	335			649									1250	Unknown		
38769	GirthWeld		110234.9		18.35	39.38	39.38	30200	Valve	8736.81	Valve	31160.37	36	0.312	52					8:39	335			649									1250	Unknown		
38770	GirthWeld		110274.3		39.38	39.7	39.7	30210	Valve	8776.19	Valve	31120.99	36	0.312	52					10:12	335			649									1250	Unknown		
38771	GirthWeld		110314		39.7	40.02	40.03	30220	Valve	8815.89	Valve	31081.29	36	0.312	52					0.159722	335			649									1250	Unknown		
38773	CLUSTER	YES	110332.3		18.33	21.69	40.03	30220	Valve	8834.22	Valve	31062.96	36	0.312	52	0.19	0.06	27.64	3.83	0.240972	335	929	669	649	0.50	1.08							1250	Unknown		
38788	AS_Sleeve		110335		21.01	19.01	40.03	30220	Valve	8836.9	Valve	31060.28	36	0.312	52						335			649									1789	Sleeve		
38789	AE_Sleeve		110338		24.02	16	40.03	30220	Valve	8839.91	Valve	31057.27	36	0.312	52						335			649									1789	Sleeve		
38791	CLUSTER	YES	110340.4		26.38	13.65	40.03	30220	Valve	8842.27	Valve	31054.91	36	0.312	52	0.15	0.05	5.63	1.01	6:44	335	1016	731	649	0.46	1.13							1250	Unknown		
38795	GirthWeld		110354		40.02	39.76	39.76	30230	Valve	8855.91	Valve	31041.27	36	0.312	52					0.101389	335			649									1250	Unknown		
38796	MELO-CORR	YES	110375.1		21.06	18.7	39.76	30230	Valve	8876.97	Valve	31020.21	36	0.312	52	0.19	0.06	1.10	0.20	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
38797	MELO-CORR	YES	110386.2		32.24	7.52	39.76	30230	Valve	8888.15	Valve	31009.03	36	0.312	52	0.16	0.05	1.38	0.51	0.253472	335	1066	768	649	0.44	1.18							1598	Metal Loss		
38798	MELO-CORR	YES	110387.5		33.5	6.26	39.76	30230	Valve	8889.41	Valve	31007.77	36	0.312	52	0.15	0.05	1.14	0.39	6:04	335	1069	770	649	0.44	1.19							1598	Metal Loss		
38800	CLUSTER	YES	110390.1		36.08	3.68	39.76	30230	Valve	8891.99	Valve	31005.19	36	0.312	52	0.24	0.08	2.88	0.76	5:53	335	1029	741	649	0.45	1.16							1250	Unknown		
38802	GirthWeld		110393.8		39.76	39.86	39.86	30240	Valve	8895.67	Valve	31001.51	36	0.312	52					0.106944	335			649									1250	Unknown		
38804	CLUSTER	YES	110394		0.2	39.65	39.86	30240	Valve	8895.87	Valve	31001.31	36	0.312	52	0.15	0.05	3.62	1.07	0.257639	335	1038	748	649	0.45	1.15							1250	Unknown		
38807	MELO-CORR	YES	110401.6		7.81	32.05	39.86	30240	Valve	8903.48	Valve	30993.7	36	0.312	52	0.15	0.05	1.10	0.24	0.247222	335	1070	770	649	0.43	1.19							1598	Metal Loss		
38809	CLUSTER	YES	110404.3		10.51	29.35	39.86	30240	Valve	8906.18	Valve	30991	36	0.312	52	0.15	0.05	3.66	0.76	5:54	335	1038	747	649	0.45	1.15							1250	Unknown		
38811	GirthWeld		110433.6		39.86	39.26	39.26	30250	Valve	8935.53	Valve	30961.65	36	0.312	52					12:38	335			649									1250	Unknown		
38812	MELO-CORR	YES	110444.6		10.95	28.31	39.26	30250	Valve	8946.48	Valve	30950.7	36	0.312	52	0.21	0.07	1.22	0.20	0.253472	335	1066	767	649	0.44	1.18							1598	Metal Loss		
38814	CLUSTER	YES	110447.4		13.82	25.44	39.26	30250	Valve	8949.35	Valve	30947.83	36	0.312	52	0.15	0.05	6.05	0.54	0.254167	335	1012	729	649	0.46	1.12							1250	Unknown		
38818	CLUSTER	YES	110448.5		14.91	24.35	39.26	30250	Valve	8950.44	Valve	30946.74	36	0.312	52	0.24	0.08	10.43	2.70	0.24375	335	928	668	649	0.50	1.10							1250	Unknown		
38823	CLUSTER	YES	110461.6		27.98	11.28	39.26	30250	Valve	8963.51	Valve	30933.67	36	0.312	52	0.18	0.06	6.24	1.42	6:08	335	997	718	649	0.47	1.12							1250	Unknown		
38828	CLUSTER	YES	110462.4		28.75	10.51	39.26	30250	Valve	8964.28	Valve	30932.9	36	0.312	52	0.16	0.05	2.22	0.41	6:09	335	1056	760	649	0.44	1.17							1250	Unknown		
38830	GirthWeld		110472.9		39.26	15.39	15.39	30260	Valve	8974.79	Valve	30922.39	36	0.312	52					0.473611	335			649									1250	Unknown		
38832	CLUSTER	YES	110473.1		0.25	15.14	15.39	30260	Valve	8975.04	Valve	30922.14	36	0.312	52	0.19	0.06	23.52	4.24	0.243056	335	932	671	649	0.50	1.06							1250	Unknown		
38847	GirthWeld		110488.3		15.39	22.81	22.8	30270	Valve	8990.18	Valve	30907	36	0.312	52					0.4125	335			649									1250	Unknown		
38849	CLUSTER	YES	110506.2		17.91	4.89	22.8	30270	Valve	9008.09	Valve	30889.09	36	0.312	52	0.24	0.08	9.50	1.70	5:49	335	935	673	649	0.50	1.08							1250	Unknown		
38852	GirthWeld		110511.1		22.81	39.32	39.32	30280	Valve	9012.99	Valve	30884.19	36	0.312	52					10:38	335			649									1250	Unknown		
38853	GirthWeld		110550.4		39.32	13.65	13.66	30290	Valve	9052.31	Valve	30844.87	36	0.312	52					0.533333	335			649									1250	Unknown		
38854	GirthWeld		110564.1		13.65	23.65	23.65	30300	Valve	9065.96	Valve	30831.22	36	0.312	52					0.055556	335			649									1250	Unknown		
38855	GirthWeld		110587.7		23.65	39.82	39.82	30310	Valve	9089.61	Valve	30807.57	36	0.312	52					0.533333	335			649									1250	Unknown		
38857	CLUSTER	YES	110603.7		16.03	23.79	39.82	30310	Valve	9105.64	Valve	30791.54	36	0.312	52	0.16	0.05	3.79	0.76	5:48	335	1034	744	649	0.45	1.15							1250	Unknown		
38860	CLUSTER	YES	110607.6		19.86	19.95	39.82	30310	Valve	9109.47	Valve	30787.71	36	0.312	52	0.18	0.06	6.35	4.27	5:51	335	995	717	649	0.47	1.12							1250	Unknown		
38866	GirthWeld		110627.5		39.82	38.91	38.91	30320	Valve	9129.43	Valve	30767.75	36	0.312	52					0.445833	335			649									1250	Unknown		
38867	GirthWeld		110666.4		38.91	39.85	39.85	30330	Valve	9168.34	Valve	30728.84	36	0.312	52					0.133333	335			649									1250	Unknown		
38868	GirthWeld		110706.3		39.85	39.86	39.85	30340	Valve	9208.19	Valve	30688.99	36	0.312	52					0.092361	335			649									1250	Unknown		
38870	CLUSTER	YES	110710.4		4.14	35.72	39.85	30340	Valve	9212.33	Valve	30684.85	36	0.312	52	0.16	0.05	3.19	1.38	6:07	335	1042	750	649	0.45	1.16							1250	Unknown		
38875	CLUSTER	YES	110718.8		12.53	27.32	39.85	30340	Valve	9220.72	Valve	30676.46	36	0.312	52	0.16	0.05	14.46	3.02	6:02	335	967	696	649	0.48	1.08							1250	Unknown		
38885	CLUSTER	YES	110720.2		13.91	25.94	39.85	30340	Valve	9222.1	Valve	30675.08	36	0.312	52	0.19	0.06	3.54	4.62	0.244444	335	1029	741	649	0.45	1.14							1250	Unknown		
38890	CLUSTER	YES	110721.9		15.64	24.21

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
38976	AE_Casing		110877		13.13	26.58	39.71	30380	Valve	9378.92	Valve	30518.26	36	0.312	52						335			649									1590	Casing		
38978	CLUSTER	YES	110891.1		27.22	12.49	39.71	30380	Valve	9393.01	Valve	30504.17	36	0.312	52	0.15	0.05	14.40	1.32	6:11	335	974	702	649	0.48	1.09							1250	Unknown		
38985	MELO-CORR	YES	110893.9		29.97	9.74	39.71	30380	Valve	9395.76	Valve	30501.42	36	0.312	52	0.2	0.06	1.18	0.20	0.261806	335	1067	768	649	0.44	1.18							1598	Metal Loss		
38987	CLUSTER	YES	110894.1		30.22	9.49	39.71	30380	Valve	9396.01	Valve	30501.17	36	0.312	52	0.17	0.05	5.42	0.41	0.257639	335	1009	727	649	0.46	1.12							1250	Unknown		
38990	GirthWeld		110903.6		39.71	39.57	39.57	30390	Valve	9405.5	Valve	30491.68	36	0.312	52					0.35	335			649									1250	Unknown		
38992	CLUSTER	YES	110911.4		7.8	31.78	39.57	30390	Valve	9413.3	Valve	30483.88	36	0.312	52	0.15	0.05	12.91	1.60	5:14	335	978	704	649	0.48	1.09							1250	Unknown		
39000	GirthWeld		110943.2		39.57	39.34	39.33	30400	Valve	9445.07	Valve	30452.11	36	0.312	52					2:14	335			649									1250	Unknown		
39001	GirthWeld		110982.5		39.34	36.47	36.47	30410	Valve	9484.41	Valve	30412.77	36	0.312	52					0.184722	335			649									1250	Unknown		
39002	GirthWeld		111019		36.47	39.08	39.08	30420	Valve	9520.88	Valve	30376.3	36	0.312	52					0.406944	335			649									1250	Unknown		
39003	GirthWeld		111058.1		39.08	13.61	13.62	30430	Valve	9559.96	Valve	30337.22	36	0.312	52					0.4375	335			649									1250	Unknown		
39004	GirthWeld		111071.7		13.61	13.45	13.45	30440	Valve	9573.57	Valve	30323.61	36	0.312	52					12:15	335			649									1250	Unknown		
39005	GirthWeld		111085.1		13.45	5.6	5.61	30450	Valve	9587.02	Valve	30310.16	36	0.312	52					9:04	335			649									1250	Unknown		
39006	GirthWeld		111090.7		5.6	17.27	17.27	30460	Valve	9592.62	Valve	30304.56	36	0.312	52					0.515278	335			649									1250	Unknown		
39007	GirthWeld		111108		17.27	15.81	15.81	30470	Valve	9609.89	Valve	30287.29	36	0.312	52					0.397222	335			649									1250	Unknown		
39008	GirthWeld		111123.8		15.81	5.95	5.95	30480	Valve	9625.7	Valve	30271.48	36	0.312	52					0.513889	335			649									1250	Unknown		
39009	GirthWeld		111129.7		5.95	15.8	15.8	30490	Valve	9631.65	Valve	30265.53	36	0.312	52					1:36	335			649									1250	Unknown		
39010	GirthWeld		111145.5		15.8	39.77	39.78	30500	Valve	9647.45	Valve	30249.73	36	0.312	52					12:00	335			649									1250	Unknown		
39011	GirthWeld		111185.3		39.77	39.98	39.98	30510	Valve	9687.22	Valve	30209.96	36	0.312	52					0.328472	335			649									1250	Unknown		
39013	CLUSTER	YES	111200.8		15.51	24.48	39.98	30510	Valve	9702.73	Valve	30194.45	36	0.312	52	0.2	0.06	5.69	3.17	0.242361	335	994	715	649	0.47	1.13							1250	Unknown		
39017	GirthWeld		111225.3		39.98	16.22	16.22	30520	Valve	9727.2	Valve	30169.98	36	0.312	52					0.372222	335			649									1250	Unknown		
39018	Attachmnt		111236.7		11.37	4.85	16.22	30520	Valve	9738.57	Valve	30158.61	36	0.312	52					6:00	335			649									2170	Attachment		
39019	Attachmnt		111239.4		14.06	2.16	16.22	30520	Valve	9741.26	Valve	30155.92	36	0.312	52					6:00	335			649									2170	Attachment		
39020	GirthWeld		111241.5		16.22	17.65	17.65	30530	Valve	9743.42	Valve	30153.76	36	0.312	52					0.413889	335			649									1250	Unknown		
39021	GirthWeld		111259.2		17.65	39.35	39.35	30540	Valve	9761.07	Valve	30136.1	36	0.312	52					0.066667	335			649									1250	Unknown		
39022	GirthWeld		111298.5		39.35	38.98	38.98	30550	Valve	9800.42	Valve	30096.76	36	0.312	52					0.488889	335			649									1250	Unknown		
39023	GirthWeld		111337.5		38.98	39.89	39.89	30560	Valve	9839.4	Valve	30057.78	36	0.312	52					8:58	335			649									1250	Unknown		
39024	GirthWeld		111377.4		39.89	37.36	37.36	30570	Valve	9879.29	Valve	30017.89	36	0.312	52					10:24	335			649									1250	Unknown		
39025	GirthWeld		111414.7		37.36	39.37	39.37	30580	Valve	9916.65	Valve	29980.53	36	0.312	52					0.497222	335			649									1250	Unknown		
39027	CLUSTER	YES	111420.7		5.95	33.42	39.37	30580	Valve	9922.6	Valve	29974.58	36	0.312	52	0.18	0.06	7.12	2.26	0.247222	335	988	711	649	0.47	1.12							1250	Unknown		
39031	MELO-CORR	YES	111421.7		6.98	32.39	39.37	30580	Valve	9923.63	Valve	29973.55	36	0.312	52	0.16	0.05	1.18	0.39	0.260417	335	1069	769	649	0.44	1.19							1598	Metal Loss		
39033	CLUSTER	YES	111424		9.23	30.14	39.37	30580	Valve	9925.88	Valve	29971.3	36	0.312	52	0.27	0.08	8.16	1.35	5:52	335	927	668	649	0.50	1.06							1250	Unknown		
39039	CLUSTER	YES	111429.3		14.53	24.84	39.37	30580	Valve	9931.18	Valve	29966	36	0.312	52	0.2	0.06	15.86	2.67	5:55	335	936	674	649	0.50	1.06							1250	Unknown		
39049	CLUSTER	YES	111431		16.26	23.11	39.37	30580	Valve	9932.91	Valve	29964.27	36	0.312	52	0.24	0.08	8.81	2.77	0.246528	335	940	677	649	0.50	1.07							1250	Unknown		
39054	MELO-CORR	YES	111436.4		21.65	17.72	39.37	30580	Valve	9938.3	Valve	29958.88	36	0.312	52	0.18	0.06	1.22	0.47	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
39055	MELO-CORR	YES	111442.2		27.42	11.94	39.37	30580	Valve	9944.07	Valve	29953.11	36	0.312	52	0.19	0.06	1.10	0.16	0.263194	335	1068	769	649	0.44	1.19							1598	Metal Loss		
39056	MELO-CORR	YES	111442.6		27.88	11.48	39.37	30580	Valve	9944.54	Valve	29952.64	36	0.312	52	0.18	0.06	1.06	0.43	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39058	CLUSTER	YES	111450.3		35.53	3.83	39.37	30580	Valve	9952.18	Valve	29944.99	36	0.312	52	0.32	0.10	3.11	1.57	6:10	335	1002	722	649	0.46	1.14							1250	Unknown		
39061	GirthWeld		111454.1		39.37	39.8	39.8	30590	Valve	9956.02	Valve	29941.16	36	0.312	52					0.042361	335			649									1250	Unknown		
39063	CLUSTER	YES	111454.6		0.44	39.35	39.8	30590	Valve	9956.46	Valve	29940.72	36	0.312	52	0.2	0.06	8.71	6.82	0.240278	335	965	695	649	0.48	1.09							1250	Unknown		
39073	CLUSTER	YES	111455.3		1.16	38.63	39.8	30590	Valve	9957.18	Valve	29940	36	0.312	52	0.25	0.08	6.62	1.57	0.257639	335	957	689	649	0.49	1.10							1250	Unknown		
39079	CLUSTER	YES	111457.5		3.43	36.37	39.8	30590	Valve	9959.45	Valve	29937.73	36	0.312	52	0.19	0.06	5.06	1.54	6:11	335	1005	724	649	0.46	1.12							1250	Unknown		
39083	MELO-CORR	YES	111457.6		3.53	36.27	39.8	30590	Valve	9959.55	Valve	29937.63	36	0.312	52	0.25	0.08	1.18	0.24	5:46	335	1064	766	649	0.44	1.18							1598	Metal Loss		
39085	CLUSTER	YES	111457.9		3.75	36.05	39.8	30590	Valve	9959.77	Valve	29937.41	36	0.312	52	0.39	0.12	22.26	5.50	0.230556	335	773	557	649	0.60	1.03							1250	Unknown		
39090	CLUSTER	YES	111458.4		4.31	35.49	39.8	30590	Valve	9960.33	Valve	29936.85	36	0.312	52	0.22	0.07	8.84	3.49	0.254861	335	952	685	649	0.49	1.09							1250	Unknown		
39110	CLUSTER	YES	111460.5		6.42	33.38	39.8	30590	Valve	9962.44	Valve	29934.74	36	0.312	52	0.25	0.08	13.76	2.11	0.255556	335	905	652	649	0.51	1.06							1250	Unknown		
39113	CLUSTER	YES	111460.8		6.67	33.13	39.8	30590	Valve	9962.69	Valve	29934.49	36	0.312	52	0.19	0.06	15.90	1.35	5:46	335	943	679	649	0.49	1.07							1250	Unknown		
39131	CLUSTER	YES	111462.7		8.58	31.22	39.8	30590	Valve	9964.6	Valve	29932.58	36	0.312	52	0.35	0.11	3.62	0.44	5:47	335	976	703	649	0.48	1.14							1250	Unknown		
39135	CLUSTER	YES	111463.4		9.32	30.48	39.8	30590	Valve	9965.34	Valve	29931.84	36	0.312	52	0.16	0.05	9.05	1.20	0.259028	335	986	710	649	0.47	1.11							1250	Unknown		
39137	CLUSTER	YES	111463.5		9.34	30.46	39.8	30590	Valve	9965.36	Valve	29931.82	36	0.312	52	0.17	0.05	4.25	0.63	0.240972	335	1024	737	649	0.45	1.14							1250	Unknown		
39145	CLUSTER	YES	111464.2		10.1	29.7	39.8	30590	Valve	9966.12	Valve	29931.06	36	0.312	52	0.16	0.05	10.98	1.29	0.241667	335	978	704	649	0.48	1.10							1250	Unknown		
39148	CLUSTER	YES	111464.5		10.38	29.42	39.8	30590	Valve	9966.4	Valve	29930.78	36	0.312	52	0.2	0.06	6.56	0.94	6:12	335	983	708	649	0.47	1.10							1250	Unknown		
39156	CLUSTER	YES	111465.4		11.3	28.49	39.8	30590	Valve	9967.32	Valve	29929.85	36	0.312	52	0.25	0.08	6.12	1.51	6:13	335	964	694	649	0.48	1.12							1250	Unknown		
39158	CLUSTER	YES	111465.5		11.34	28.46	39.8	30590	Valve	9967.36	Valve	29929.82	36	0.312	52	0.18	0.06	6.59	1.13	0.240278	335	993	715	649	0.47	1.12							1250	Unknown		
39167	CLUSTER	YES	111466.9		12.78	27.02	39.8	30590	Valve	9968.8	Valve	29928.38	36	0.312	52	0.37	0.12	13.18	2.11	0.255556	335	818	589	649	0.57	1.07							1250	Unknown		
39176	CLUSTER	YES	111468.3		14.14	25.66	39.8	30590	Valve	9970.16	Valve	29927.02	36	0.312	52	0.17	0.05	1.45	1.04	0.256944	335	1065	767	649	0.44	1.18							1250	Unknown		
39179	CLUSTER	YES	111468.5		14.36	25.44	39.8	30590	Valve	9970.38	Valve	29926.8	36	0.312	52	0.17	0.05	1.26	0.91	6:13	335	1067	768	649	0.44	1.18							1250	Unknown		
39182	CLUSTER	YES	111469.7		15.56	24.24	39.8	30590	Valve	9971.58	Valve	29925.6	36	0.312	52	0.25	0.08	29.81	2.77	6:10	335	878	632	649	0.53	1.04							1250	Unknown		
39186	CLUSTER	YES	111470.1		16.02	23.78	39.8	30590	Valve	9972.04	Valve	29925.14	36	0.312	52	0.25	0.08	5.65	0.44	0.241667	335	970	699	649	0.48	1.10							1250	Unknown		
39194	MELO-CORR	YES	111471		16.84	22.96	39.8	30590	Valve	9972.86	Valve	29924.32	36	0.312	52	0.21	0.07	1.14	0.20	0.242361	335	1067	768	649	0.44	1.18							1598	Metal Loss		
39208	MELO-CORR	YES	111472.2		18.06	21.74	39.8	30590	Valve	9974.08	Valve	29923.1	36	0.312	52	0.24	0.08	1.38	0.16	0.241667	335	1061	764	649	0.44	1.18							1598	Metal Loss		
39210	CLUSTER	YES	111472.3		18.14	21.66	39.8	30590	Valve	9974.16	Valve	29923.02	36	0.312	52	0.19	0.06	4.03	1.51	6:11	335	1021	735	649	0.46	1.14							1250	Unknown		
39214	CLUSTER	YES	111472.5		18.34	21.46	39.8	30590	Valve	9974.36	Valve	29922.82	36	0.312	52	0.29	0.09	4.14	0.60	5:47	335	984	708	649	0.47	1.13							1250	Unknown		
39219	CLUSTER	YES	111473.5		19.35	20.45	39.8	30590	Valve	9975.37	Valve	29921.81	36	0.312	52	0.23	0.07	10.10	0.85	0.240278	335	937	674	649	0.50	1.08							1250	Unknown		
39227	CLUSTER	YES	111475.2		21.11	18.69	39.8	30590	Valve	9977.13	Valve	29920.05	36	0.312	52	0.16	0.05	2.02	1.04	0.258333	335	1059	762	649	0.44	1.18							1250	Unknown		
39230	CLUSTER	YES	111475.3		21.23	18.57	39.8	30590	Valve	9977.25	Valve	29919.93	36	0.312	52	0.22	0.07	2.04	0.38	0.241667	335	1051	756	649	0.44	1.17							1250	Unknown		
39233	CLUSTER	YES	111475.8		21.69	18.11	39.8	30590	Valve	9977.71	Valve	29919.47	36	0.312	52	0.17	0.05	3.96	0.76	6:18	335	1028	740	649	0.45	1.15							1250	Unknown		
39237	CLUSTER	YES	111476.3		22.19	17.61	39.8	30590	Valve	9978.21	Valve	29918.97	36	0.312	52	0.21	0.07	15.16	5.03	5:47	335	930	670	649	0.50	1.08							1250	Unknown		
39252	MELO-CORR	YES	111478.5		24.43	15.37	39.8	30590	Valve	9980.45	Valve	29916.73	36	0.312	52	0.15	0.05	1.14	0.16	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39254	CLUSTER	YES	111480.5		26.39	13.41	39.8	30590	Valve	9982.41	Valve	29914.77	36	0.312	52	0.18	0.06	2.59	2.20	0.240972	335	1047	754	649	0.44	1.17							1250	Unknown		
39258	CLUSTER	YES	111480.8		26.73	13.07	39.8	30590	Valve	9982.75	Valve	29914.43	36	0.312	52	0.21	0.07	6.62	1.01	0.243056	335	978	704	649	0.48	1.09							1250	Unknown		
39263	MELO-CORR	YES	111481.2		27.07	12.73	39.8	30590	Valve	9983.09	Valve	29914.09	36	0.312	52	0.15	0.05	1.14	0.16	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39265	CLUSTER	YES	111481.6		27.46	12.34	39.8	30590	Valve	9983.48	Valve	29913.7	36	0.312	52	0.24	0.08	6.85	2.11	5:46	335	959	691	649	0.49	1.11							1250	Unknown		
39266	MELO-CORR	YES	111481.6		27.46	12.34	39.8	30590	Valve	9983.48	Valve	29913.7	36	0.312	52	0.16	0.05	1.22	0.24	0.261806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
39269	CLUSTER	YES	111481.9		27.75	12.04	39.8	30590	Valve	9983.77	Valve	29913.41	36	0.312	52	0.15	0.05	9.96	1.51	0.257639	335	988	711	649	0.47	1.11							1250	Unknown		
39276	MELO-CORR	YES	111484		29.88	9.91	39.8	30590	Valve	9985.9	Valve	29911.28	36	0.312	52	0.17	0.05	1.14	0.20	0.241667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
39277	MELO-CORR	YES	111484.4		30.24	9.56	39.8	30590	Valve	9986.26	Valve	29910.92	36	0.312	52	0.21	0.07	1.10	0.35	5:46	335	1067	768	649	0.44	1.18							1598	Metal Loss		
39279	CLUSTER	YES	111487.1		33	6.8	39.8	30590	Valve	9989.02	Valve	29908.16	36	0.312	52	0.17	0.05	2.87	3.58	6:04	335	1044	752	649	0.45	1.16							1250	Unknown		
39284	CLUSTER	YES	111491.9		37.76	2.04	39.8	30590	Valve	9993.78	Valve	29903.4	36	0.312	52	0.17	0.05	11.53	3.80	0.245139	335	969	698	649	0.48	1.09							1250	Unknown		
39292	GirthWeld		111493.9		39.8	39.94	39.94	30600	Valve	9995.82	Valve	29901.36	36	0.312	52					0.327778	335			649									1250	Unknown		
39294	CLUSTER	YES	111494		0.06	39.88	39.94	30600	Valve	9995.88	Valve	29901.3	36	0.312	52	0.16	0.05	16.02	3.36	0.241667	335	964	694	649	0.48	1.07							1250	Unknown		
39309	CLUSTER	YES	111495.5		1.61	38.33	39.94	30600	Valve	9997.43	Valve	29899.75	36	0.312	52	0.24	0.08	6.08	1.64	5:47	335	969	698	649	0.48	1.11							1250	Unknown		
39315	CLUSTER	YES	111496.2		2.25	37.69	39.94	30600	Valve	9998.07	Valve	29899.11	36	0.312	52	0.15	0.05	3.73	0.60	5:55	335	1037	747	649	0.45	1.15							1250	Unknown		
39316	MELO-CORR	YES	111496.2		2.29	37.65	39.94	30600	Valve	9998.11	Valve	29899.07	36	0.312	52	0.16	0.05	1.10	0.16	0.291667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39319	CLUSTER	YES	111496.9		3.03	36.91	39.94	30600	Valve	9998.85	Valve	29898.33	36	0.312	52	0.22	0.07	14.40	1.54	0.240278	335	925	666	649	0.50	1.05							1250	Unknown		
39325	MELO-CORR	YES	111497.5		3.57	36.37	39.94	30600	Valve	9999.39	Valve	29897.79	36	0.312	52	0.22	0.07	1.26	0.43	0.2625	335	1065	766	649	0.44	1.18							1598	Metal Loss		
39331	CLUSTER	YES	111498		4.09	35.85	39.94	30600	Valve	9999.91	Valve	29897.27	36	0.312	52	0.24	0.08	9.61	4.56	5:54	335	934	672	649	0.50	1.06							1250	Unknown		
39346	CLUSTER	YES	111499.4		5.46	34.48	39.94	30600	Valve	10001.28	Valve	29895.9	36	0.312	52	0.28	0.09	32.66	10.53	5:37	335	851	613	649	0.55	1.01							1250	Unknown		
39397	CLUSTER	YES	111502.2		8.29	31.65	39.94	30600	Valve	10004.11	Valve	29893.07	36	0.312	52	0.41	0.13	74.50	11.15	0.234028	335	713	513	649	0.65	0.97							1250	Unknown		
39428	MELO-CORR	YES	111503.6		9.64	30.3	39.94	30600	Valve	10005.46	Valve	29891.71	36	0.312	52	0.17	0.05	1.10	0.20	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39453	MELO-CORR	YES	111504.8		10.93	29.01	39.94	30600	Valve	10006.75	Valve	29890.43	36	0.312	52	0.16	0.05	3.27	0.59	0.240972	335	1041	749	649	0.45	1.15							1598	Metal Loss		
39507	CLUSTER	YES	111506.5		12.59	27.35	39.94	30600	Valve	10008.41	Valve	29888.77	36	0.312	52	0.17	0.05	4.49	1.92	5:18	335	1021	735	649	0.46	1.14							1250	Unknown		
39541	CLUSTER	YES	111507.4		13.45	26.49	39.94	30600	Valve	10009.27	Valve	29887.91	36	0.312	52	0.26	0.08	4.61	0.66	6:40	335	985	709	649	0.47	1.14							1250	Unknown		
39555	CLUSTER	YES	111508		14.06	25.88	39.94	30600	Valve	10009.88	Valve	29887.3	36	0.312	52	0.25	0.08	12.29	3.30	0.252083	335	912	656	649	0.51	1.05							1250	Unknown		
39569	CLUSTER	YES	111508.5		14.61	25.33	39.94	30600	Valve	10010.43	Valve	29886.75	36	0.312	52	0.32	0.10	37.74	5.97	0.236806	335	812	585	649	0.57	1.01							1250	Unknown		
39602	MELO-CORR	YES	111510.5		16.62	23.32	39.94	30600	Valve	10012.44	Valve	29884.74	36	0.312	52	0.15	0.05	1.18	0.24	0.264583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39610	CLUSTER	YES	111511.1		17.18	22.76	39.94	30600	Valve	10013	Valve	29884.18	36	0.312	52	0.18	0.06	3.23	1.42	6:09	335	1036	746	649	0.45	1.16							1250	Unknown		
39615	MELO-CORR	YES	111511.6		17.72	22.22	39.94	30600	Valve	10013.54	Valve	29883.64	36	0.312	52	0.17	0.05	1.22	0.51	6:07	335	1068	769	649	0.44	1.18							1598	Metal Loss		
39617	CLUSTER	YES	111511.9		17.96	21.98	39.94	30600	Valve	10013.78	Valve	29883.4	36	0.312	52	0.29	0.09	22.69	4.37	0.245139	335	854	615	649	0.54	1.02							1250	Unknown		
39642	CLUSTER	YES	111514.1		20.21	19.73	39.94	30600	Valve	10016.03	Valve	29881.15	36	0.312	52	0.21	0.07	7.25	2.33	0.244444	335	971	699	649	0.48	1.10							1250	Unknown		
39649	CLUSTER	YES	111514.8		20.93	19.01	39.94	30600	Valve	10016.75	Valve	29880.43	36	0.312	52	0.18	0.06	9.84	1.73	0.253472	335	970	698	649	0.48	1.09							1250	Unknown		
39656	CLUSTER	YES	111516		22.06	17.88	39.94	30600	Valve	10017.88	Valve	29879.3	36	0.312	52	0.23	0.07	9.72	1.57	5:48	335	939	676	649	0.50	1.08							1250	Unknown		
39663	CLUSTER	YES	111517.2		23.28

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
39734	GirthWeld		111572.9		39.04	39.26	39.25	30620	Valve	10074.8	Valve	29822.38	36	0.312	52					11:52	335			649									1250	Unknown		
39736	CLUSTER	YES	111573.1		0.23	39.03	39.25	30620	Valve	10075.03	Valve	29822.15	36	0.312	52	0.19	0.06	5.09	1.73	6:02	335	1005	724	649	0.46	1.12							1250	Unknown		
39740	CLUSTER	YES	111579.1		6.25	33	39.25	30620	Valve	10081.05	Valve	29816.13	36	0.312	52	0.24	0.08	4.08	1.29	0.243056	335	1003	722	649	0.46	1.12							1250	Unknown		
39744	CLUSTER	YES	111584.2		11.27	27.98	39.25	30620	Valve	10086.07	Valve	29811.11	36	0.312	52	0.38	0.12	8.60	2.01	0.25	335	850	612	649	0.55	0.98							1250	Unknown		
39750	CLUSTER	YES	111585.1		12.25	27.01	39.25	30620	Valve	10087.05	Valve	29810.13	36	0.312	52	0.27	0.08	4.67	1.48	0.24375	335	979	705	649	0.48	1.11							1250	Unknown		
39754	CLUSTER	YES	111587		14.13	25.12	39.25	30620	Valve	10088.93	Valve	29808.25	36	0.312	52	0.2	0.06	9.72	1.29	5:56	335	958	690	649	0.49	1.08							1250	Unknown		
39759	CLUSTER	YES	111594.4		21.48	17.78	39.25	30620	Valve	10096.28	Valve	29800.9	36	0.312	52	0.16	0.05	7.14	2.70	6:08	335	999	719	649	0.47	1.12							1250	Unknown		
39765	CLUSTER	YES	111595.4		22.55	16.71	39.25	30620	Valve	10097.35	Valve	29799.83	36	0.312	52	0.24	0.08	18.82	3.74	0.24375	335	899	648	649	0.52	1.05							1250	Unknown		
39777	MELO-CORR	YES	111597.9		24.96	14.3	39.25	30620	Valve	10099.76	Valve	29797.42	36	0.312	52	0.26	0.08	3.23	0.47	0.24375	335	1016	731	649	0.46	1.13							1598	Metal Loss		
39779	CLUSTER	YES	111598.3		25.42	13.83	39.25	30620	Valve	10100.22	Valve	29796.96	36	0.312	52	0.21	0.07	5.71	1.76	0.245833	335	988	712	649	0.47	1.11							1250	Unknown		
39786	CLUSTER	YES	111602.2		29.33	9.93	39.25	30620	Valve	10104.13	Valve	29793.05	36	0.312	52	0.16	0.05	4.14	2.45	6:00	335	1029	741	649	0.45	1.14							1250	Unknown		
39790	CLUSTER	YES	111603		30.09	9.17	39.25	30620	Valve	10104.89	Valve	29792.29	36	0.312	52	0.15	0.05	1.30	0.44	5:20	335	1068	769	649	0.44	1.18							1250	Unknown		
39793	CLUSTER	YES	111610.9		38.04	1.21	39.25	30620	Valve	10112.84	Valve	29784.34	36	0.312	52	0.38	0.12	10.51	2.58	0.252778	335	830	598	649	0.56	0.96							1250	Unknown		
39802	GirthWeld		111612.2		39.26	39.79	39.79	30630	Valve	10114.06	Valve	29783.12	36	0.312	52					0.048611	335			649									1250	Unknown		
39804	CLUSTER	YES	111612.2		0.09	39.7	39.79	30630	Valve	10114.15	Valve	29783.03	36	0.312	52	0.24	0.08	4.81	2.92	0.24375	335	989	712	649	0.47	1.10							1250	Unknown		
39807	CLUSTER	YES	111618.2		6.06	33.73	39.79	30630	Valve	10120.12	Valve	29777.06	36	0.312	52	0.21	0.07	3.96	1.82	6:07	335	1015	731	649	0.46	1.13							1250	Unknown		
39810	CLUSTER	YES	111619.7		7.54	32.25	39.79	30630	Valve	10121.6	Valve	29775.58	36	0.312	52	0.37	0.12	10.28	2.58	5:51	335	839	604	649	0.55	1.01							1250	Unknown		
39816	CLUSTER	YES	111632.7		20.52	19.27	39.79	30630	Valve	10134.58	Valve	29762.6	36	0.312	52	0.19	0.06	11.90	2.80	0.25	335	954	687	649	0.49	1.08							1250	Unknown		
39825	CLUSTER	YES	111636.2		24.06	15.73	39.79	30630	Valve	10138.12	Valve	29759.06	36	0.312	52	0.2	0.06	4.03	0.72	0.250694	335	1018	733	649	0.46	1.14							1250	Unknown		
39828	CLUSTER	YES	111642.5		30.31	9.48	39.79	30630	Valve	10144.37	Valve	29752.81	36	0.312	52	0.3	0.09	8.36	1.60	0.247917	335	907	653	649	0.51	1.03							1250	Unknown		
39834	CLUSTER	YES	111644.3		32.16	7.64	39.79	30630	Valve	10146.22	Valve	29750.96	36	0.312	52	0.31	0.10	13.18	1.57	5:55	335	864	622	649	0.54	1.05							1250	Unknown		
39843	GirthWeld		111651.9		39.79	39.38	39.38	30640	Valve	10153.85	Valve	29743.33	36	0.312	52					8:48	335			649									1250	Unknown		
39845	CLUSTER	YES	111662.2		10.28	29.1	39.38	30640	Valve	10164.13	Valve	29733.05	36	0.312	52	0.26	0.08	2.89	0.63	0.25	335	1025	738	649	0.45	1.14							1250	Unknown		
39848	CLUSTER	YES	111663.1		11.12	28.26	39.38	30640	Valve	10164.97	Valve	29732.21	36	0.312	52	0.29	0.09	4.92	0.76	0.250694	335	965	695	649	0.48	1.12							1250	Unknown		
39850	GirthWeld		111691.3		39.38	14.95	14.95	30650	Valve	10193.23	Valve	29703.95	36	0.312	52					0.441667	335			649									1250	Unknown		
39851	GirthWeld		111706.3		14.95	15.17	15.16	30660	Valve	10208.18	Valve	29688.99	36	0.312	52					11:18	335			649									1250	Unknown		
39852	GirthWeld		111721.4		15.16	35.51	35.51	30670	Valve	10223.35	Valve	29673.83	36	0.312	52					3:38	335			649									1250	Unknown		
39853	GirthWeld		111757		35.51	39.76	39.76	30680	Valve	10258.86	Valve	29638.32	36	0.312	52					0.075	335			649									1250	Unknown		
39854	GirthWeld		111796.7		39.76	39.86	39.86	30690	Valve	10298.62	Valve	29598.56	36	0.312	52					0.355556	335			649									1250	Unknown		
39855	MELO-CORR	YES	111833.3		36.57	3.29	39.86	30690	Valve	10335.19	Valve	29561.99	36	0.312	52	0.25	0.08	2.32	0.24	0.243056	335	1040	749	649	0.45	1.16							1598	Metal Loss		
39856	GirthWeld		111836.6		39.86	34.81	34.81	30700	Valve	10338.48	Valve	29558.7	36	0.312	52					9:52	335			649									1250	Unknown		
39858	CLUSTER	YES	111845.3		8.68	26.13	34.81	30700	Valve	10347.16	Valve	29550.02	36	0.312	52	0.18	0.06	5.99	1.23	5:51	335	999	719	649	0.47	1.13							1250	Unknown		
39860	MELO-CORR	YES	111846.8		10.22	24.6	34.81	30700	Valve	10348.7	Valve	29548.48	36	0.312	52	0.17	0.05	1.06	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39862	CLUSTER	YES	111857.9		21.32	13.5	34.81	30700	Valve	10359.8	Valve	29537.38	36	0.312	52	0.16	0.05	7.46	2.11	0.244444	335	996	717	649	0.47	1.12							1250	Unknown		
39865	GirthWeld		111871.4		34.81	38.93	38.92	30710	Valve	10373.29	Valve	29523.89	36	0.312	52					0.1	335			649									1250	Unknown		
39867	CLUSTER	YES	111900.8		29.43	9.5	38.92	30710	Valve	10402.72	Valve	29494.46	36	0.312	52	0.19	0.06	5.70	0.63	5:20	335	998	718	649	0.47	1.11							1250	Unknown		
39872	CLUSTER	YES	111902.4		31.06	7.87	38.92	30710	Valve	10404.35	Valve	29492.83	36	0.312	52	0.17	0.05	15.32	2.33	5:40	335	958	690	649	0.49	1.09							1250	Unknown		
39879	CLUSTER	YES	111903.9		32.47	6.46	38.92	30710	Valve	10405.76	Valve	29491.42	36	0.312	52	0.15	0.05	8.44	1.20	0.240278	335	995	717	649	0.47	1.11							1250	Unknown		
39884	GirthWeld		111910.3		38.93	39.21	39.22	30720	Valve	10412.22	Valve	29484.96	36	0.312	52					0.136806	335			649									1250	Unknown		
39886	CLUSTER	YES	111915		4.69	34.52	39.22	30720	Valve	10416.91	Valve	29480.27	36	0.312	52	0.16	0.05	5.92	1.07	0.238889	335	1009	726	649	0.46	1.13							1250	Unknown		
39890	CLUSTER	YES	111917.1		6.79	32.42	39.22	30720	Valve	10419.01	Valve	29478.17	36	0.312	52	0.27	0.08	6.42	1.73	6:09	335	949	683	649	0.49	1.12							1250	Unknown		
39896	CLUSTER	YES	111919.2		8.93	30.28	39.22	30720	Valve	10421.15	Valve	29476.03	36	0.312	52	0.15	0.05	10.99	1.13	6:20	335	984	708	649	0.47	1.10							1250	Unknown		
39903	CLUSTER	YES	111928.5		18.19	21.02	39.22	30720	Valve	10430.41	Valve	29466.77	36	0.312	52	0.15	0.05	18.24	0.88	0.244444	335	968	697	649	0.48	1.08							1250	Unknown		
39910	MELO-CORR	YES	111930.5		20.14	19.07	39.22	30720	Valve	10432.36	Valve	29464.82	36	0.312	52	0.15	0.05	1.22	0.16	0.244444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
39912	CLUSTER	YES	111933.9		23.56	15.65	39.22	30720	Valve	10435.78	Valve	29461.4	36	0.312	52	0.19	0.06	6.73	0.44	0.247222	335	987	710	649	0.47	1.12							1250	Unknown		
39915	GirthWeld		111949.5		39.21	39.27	39.26	30730	Valve	10451.43	Valve	29445.75	36	0.312	52					10:00	335			649									1250	Unknown		
39916	GirthWeld		111988.8		39.27	39.77	39.77	30740	Valve	10490.7	Valve	29406.48	36	0.312	52					11:22	335			649									1250	Unknown		
39917	GirthWeld		112028.6		39.77	38.79	38.79	30750	Valve	10530.47	Valve	29366.71	36	0.312	52					0.084722	335			649									1250	Unknown		
39918	GirthWeld		112067.4		38.79	39.8	39.8	30760	Valve	10569.26	Valve	29327.92	36	0.312	52					0.519444	335			649									1250	Unknown		
39920	CLUSTER	YES	112097.3		29.96	9.83	39.8	30760	Valve	10599.22	Valve	29297.96	36	0.312	52	0.15	0.05	1.67	2.17	0.246528	335	1064	766	649	0.44	1.18							1250	Unknown		
39922	GirthWeld		112107.2		39.8	39.24	39.24	30770	Valve	10609.06	Valve	29288.12	36	0.312	52					11:36	335			649									1250	Unknown		
39923	GirthWeld		112146.4		39.24	39.8	39.8	30780	Valve	10648.3	Valve	29248.88	36	0.312	52					9:37	335			649									1250	Unknown		
39925	CLUSTER	YES	112147.6		1.16	38.64	39.8	30780	Valve	10649.46	Valve	29247.72	36	0.312	52	0.35	0.11	5.75	2.77	0.24375	335	918	661	649	0.51	1.10							1250	Unknown		
39929	CLUSTER	YES	112162.4		16.03	23.76	39.8	30780	Valve	10664.33	Valve	29232.85	36	0.312	52	0.2	0.06	8.15	3.96	0.241667	335	969	698	649	0.48	1.11							1250	Unknown		
39937	CLUSTER	YES	112163.8		17.44	22.36	39.8	30780	Valve	10665.74	Valve	29231.44	36	0.312	52	0.15	0.05	5.96	1.82	0.250694	335	1013	729	649	0.46	1.13							1250	Unknown		
39941	CLUSTER	YES	112178.2		31.78	8.02	39.8	30780	Valve	10680.08	Valve	29217.1	36	0.312	52	0.18	0.06	17.18	4.27	5:49	335	948	682	649	0.49	1.07							1250	Unknown		
39960	CLUSTER	YES	112181.3		34.86	4.94	39.8	30780	Valve	10683.16	Valve	29214.02	36	0.312	52	0.18	0.06	20.36	2.36	5:47	335	943	679	649	0.49	1.06							1250	Unknown		
39971	CLUSTER	YES	112183.9		37.47	2.33	39.8	30780	Valve	10685.77	Valve	29211.41	36	0.312	52	0.18	0.06	15.07	0.79	0.240972	335	952	685	649	0.49	1.08							1250	Unknown		
39977	GirthWeld		112186.2		39.8	39.86	39.86	30790	Valve	10688.1	Valve	29209.08	36	0.312	52					0.102778	335			649									1250	Unknown		
39978	GirthWeld		112226.1		39.86	39.82	39.82	30800	Valve	10727.96	Valve	29169.22	36	0.312	52					0.518056	335			649									1250	Unknown		
39979	GirthWeld		112265.9		39.82	39.76	39.77	30810	Valve	10767.78	Valve	29129.4	36	0.312	52					10:24	335			649									1250	Unknown		
39980	GirthWeld		112305.6		39.76	39.72	39.71	30820	Valve	10807.54	Valve	29089.63	36	0.312	52					11:34	335			649									1250	Unknown		
39981	GirthWeld		112345.4		39.72	39.82	39.82	30830	Valve	10847.26	Valve	29049.92	36	0.312	52					0.536111	335			649									1250	Unknown		
39982	GirthWeld		112385.2		39.82	39.33	39.34	30840	Valve	10887.08	Valve	29010.1	36	0.312	52					0.076389	335			649									1250	Unknown		
39983	GirthWeld		112424.5		39.33	39.82	39.81	30850	Valve	10926.41	Valve	28970.77	36	0.312	52					0.415278	335			649									1250	Unknown		
39984	GirthWeld		112464.3		39.82	39.11	39.11	30860	Valve	10966.23	Valve	28930.95	36	0.312	52					11:04	335			649									1250	Unknown		
39985	GirthWeld		112503.4		39.11	25.67	25.67	30870	Valve	11005.34	Valve	28891.84	36	0.312	52					12:34	335			649									1250	Unknown		
39986	GirthWeld		112529.1		25.67	39.22	39.22	30880	Valve	11031.01	Valve	28866.17	36	0.312	52					0.4875	335			649									1250	Unknown		
39987	GirthWeld		112568.3		39.21	39.86	39.87	30890	Valve	11070.23	Valve	28826.95	36	0.312	52					0.079167	335			649									1250	Unknown		
39988	GirthWeld		112608.2		39.86	39.81	39.81	30900	Valve	11110.09	Valve	28787.09	36	0.312	52					0.098611	335			649									1250	Unknown		
39989	GirthWeld		112648		39.81	39.96	39.96	30910	Valve	11149.9	Valve	28747.28	36	0.312	52					12:46	335			649									1250	Unknown		
39990	GirthWeld		112688		39.96	39.76	39.76	30920	Valve	11189.86	Valve	28707.32	36	0.312	52					2:04	335			649									1250	Unknown		
39991	GirthWeld		112727.7		39.76	39.84	39.84	30930	Valve	11229.62	Valve	28667.56	36	0.312	52					0.409722	335			649									1250	Unknown		
39992	GirthWeld		112767.6		39.84	39.8	39.8	30940	Valve	11269.46	Valve	28627.72	36	0.312	52					0.483333	335			649									1250	Unknown		
39993	GirthWeld		112807.4		39.8	39.81	39.81	30950	Valve	11309.26	Valve	28587.92	36	0.312	52					0.539583	335			649									1250	Unknown		
39994	MELO-CORR	YES	112822.8		15.47	24.34	39.81	30950	Valve	11324.73	Valve	28572.45	36	0.312	52	0.16	0.05	1.10	0.24	6:03	335	1069	770	649	0.44	1.19							1598	Metal Loss		
39995	GirthWeld		112847.2		39.81	39.8	39.8	30960	Valve	11349.07	Valve	28548.11	36	0.312	52					2:52	335			649									1250	Unknown		
39996	GirthWeld		112887		39.8	39.67	39.67	30970	Valve	11388.87	Valve	28508.31	36	0.312	52					0.431944	335			649									1250	Unknown		
39997	GirthWeld		112926.6		39.67	39.83	39.83	30980	Valve	11428.54	Valve	28468.64	36	0.312	52					0.481944	335			649									1250	Unknown		
39998	GirthWeld		112966.5		39.83	36.15	36.15	30990	Valve	11468.37	Valve	28428.81	36	0.312	52					0.043056	335			649									1250	Unknown		
39999	GirthWeld		113002.6		36.15	39.81	39.8	31000	Valve	11504.52	Valve	28392.66	36	0.312	52					2:38	335			649									1250	Unknown		
40000	GirthWeld		113042.4		39.81	39.74	39.75	31010	Valve	11544.33	Valve	28352.85	36	0.312	52					12:34	335			649									1250	Unknown		
40001	GirthWeld		113082.2		39.74	39.8	39.8	31020	Valve	11584.07	Valve	28313.11	36	0.312	52					0.4625	335			649									1250	Unknown		
40002	GirthWeld		113122		39.8	39.6	39.6	31030	Valve	11623.87	Valve	28273.31	36	0.312	52					0.083333	335			649									1250	Unknown		
40003	GirthWeld		113161.6		39.6	15.93	15.92	31040	Valve	11663.47	Valve	28233.71	36	0.312	52					0.108333	335			649									1250	Unknown		
40004	GirthWeld		113177.5		15.93	23.07	23.07	31050	Valve	11679.4	Valve	28217.78	36	0.312	52					1:00	335			649									1250	Unknown		
40006	CLUSTER	YES	113178.6		1.07	22	23.07	31050	Valve	11680.47	Valve	28216.71	36	0.312	52	0.16	0.05	1.60	0.82	6:13	335	1064	766	649	0.44	1.18							1250	Unknown		
40008	GirthWeld		113200.6		23.07	39.75	39.75	31060	Valve	11702.47	Valve	28194.71	36	0.312	52					0.438889	335			649									1250	Unknown		
40009	GirthWeld		113240.3		39.75	39.82	39.82	31070	Valve	11742.22	Valve	28154.96	36	0.312	52					0.516667	335			649									1250	Unknown		
40010	GirthWeld		113280.1		39.82	39.57	39.58	31080	Valve	11782.04	Valve	28115.14	36	0.312	52					0.409722	335			649									1250	Unknown		
40011	GirthWeld		113319.7		39.57	39.79	39.79	31090	Valve	11821.61	Valve	28075.57	36	0.312	52					11:44	335			649									1250	Unknown		
40012	GirthWeld		113359.5		39.79	39.85	39.85	31100	Valve	11861.4	Valve	28035.78	36	0.312	52					1:26	335			649									1250	Unknown		
40014	CLUSTER	YES	113361.8		2.28	37.57	39.85	31100	Valve	11863.68	Valve	28033.5	36	0.312	52	0.16	0.05	4.81	1.01	0.25625	335	1021	735	649	0.46	1.14							1250	Unknown		
40017	MELO-CORR	YES	113364.6		5.08	34.77	39.85	31100	Valve	11866.48	Valve	28030.7	36	0.312	52	0.15	0.05	1.10	0.43	0.244444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
40018	MELO-CORR	YES	113365		5.55	34.3	39.85	31100	Valve	11866.95	Valve	28030.23	36	0.312	52	0.15	0.05	1.10	0.47	0.24375	335	1070	770	649	0.43	1.19							1598	Metal Loss		
40019	MIFE	n/a	113367.1		7.56	32.29	39.85	31100	Valve	11868.96	Valve	28028.22	36	0.312	52					10:43	335			649									2167	Mill Anomaly		
40020	MIFE	n/a	113367.1		7.65	32.2	39.85	31100	Valve	11869.05	Valve	28028.13	36	0.312	52					10:44	335			649									2167	Mill Anomaly		
40022	CLUSTER	YES	113389.1		29.62	10.23	39.85	31100	Valve	11891.02	Valve	28006.16	36	0.312	52	0.15	0.05	1.14	0.91	0.253472	335	1069	770	649	0.44	1.19							1250	Unknown		
40025	CLUSTER	YES	113395.2		35.71	4.14	39.85	31100	Valve	11897.11	Valve	28000.07	36	0.312	52	0.22	0.07	10.08	1.54	0.245833	335	943	679	649	0.49	1.09							1250	Unknown		
40033	CLUSTER	YES	113397.3		37.81	2.04	39.85	31100	Valve	11899.21	Valve	27997.97	36	0.312	52	0.2	0.06	12.20	1.64	0.246528	335	946	681	649	0.49	1.08							1250	Unknown		
40042	CLUSTER	YES	113398.7		39.16	0.69	39.85	31100	Valve	11900.56	Valve	27996.62	36	0.312	52	0.15	0.05	6.60	3.17	5:52	335	1007	725	649	0.46	1.13							1250	Unknown		
40049	GirthWeld		113399.3		39.85	39.78	39.78	31110	Valve	11901.25	Valve	27995.93	36	0.312	52					1:50	335			649									1250	Unknown		
40051	CLUSTER	YES	113401.5		2.12	37.66	39.78	31110	Valve	11903.37	Valve	27993.81	36	0.312	52	0.17	0.05	8.38	1.20	0.247917	335	984	709	649	0.47	1.10							1250	Unknown		
40057	CLUSTER	YES	113402.8		3.48	36.3	39.78	31110	Valve	11904.73	Valve	27992.45	36	0.312	52	0.15	0.05	2.52	0.63	0.247917	335	1053	758	649	0.44	1.17							1250	Unknown		
40060	CLUSTER	YES	113404		4.62	35.16	39.78	31110	Valve	11905.87	Valve	27991.31	36	0.312	52	0.18	0.06	15.05	2.42	0.247917	335	952	685	649	0.49	1.07							1250	Unknown		
40069	CLUSTER	YES	113406.7		7.31	32.47	39.78	31110	Valve	11908.56	Valve	27988.62	36	0.312	52	0.25	0.08	10.45	1.35	5:58	335	922	664	649	0.50	1.07							1250	Unknown		
40077	CLUSTER	YES	113408		8.66	31.12	39.78	31110	Valve	11909.91	Valve	27987.27	36	0.312	52	0.28	0.09	6.89	1.89	5:55	335	937	674	649	0.50	1.09							1250	Unknown		
40082	CLUSTER	YES	113412		12.68	27.1	39.78	31110	Valve	11913.93	Valve	27983.25	36	0.312	52	0.15	0.05	8.94	0.91	0.242361	335	993

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
40131	CLUSTER	YES	113539.9		22.31	17.52	39.82	31140	Valve	12041.8	Valve	27855.38	36	0.312	52	0.18	0.06	2.78	1.32	6:09	335	1044	751	649	0.45	1.16							1250	Unknown		
40135	CLUSTER	YES	113551.7		34.1	5.72	39.82	31140	Valve	12053.59	Valve	27843.59	36	0.312	52	0.15	0.05	15.82	2.33	5:53	335	972	700	649	0.48	1.08							1250	Unknown		
40148	CLUSTER	YES	113554.7		37.11	2.71	39.82	31140	Valve	12056.6	Valve	27840.58	36	0.312	52	0.15	0.05	3.86	0.57	0.248611	335	1035	745	649	0.45	1.15							1250	Unknown		
40151	CLUSTER	YES	113555.1		37.54	2.28	39.82	31140	Valve	12057.03	Valve	27840.15	36	0.312	52	0.17	0.05	6.35	2.42	0.245833	335	1000	720	649	0.47	1.12							1250	Unknown		
40158	CLUSTER	YES	113555.7		38.16	1.66	39.82	31140	Valve	12057.65	Valve	27839.53	36	0.312	52	0.16	0.05	5.48	0.63	0.247917	335	1013	730	649	0.46	1.12							1250	Unknown		
40160	GirthWeld		113557.4		39.82	39.37	39.37	31150	Valve	12059.31	Valve	27837.87	36	0.312	52					1:14	335			649									1250	Unknown		
40162	CLUSTER	YES	113557.6		0.2	39.17	39.37	31150	Valve	12059.51	Valve	27837.67	36	0.312	52	0.29	0.09	8.58	2.92	5:56	335	910	656	649	0.51	1.06							1250	Unknown		
40170	CLUSTER	YES	113558.9		1.47	37.9	39.37	31150	Valve	12060.78	Valve	27836.4	36	0.312	52	0.19	0.06	2.12	1.26	0.245833	335	1053	758	649	0.44	1.17							1250	Unknown		
40173	CLUSTER	YES	113559.3		1.87	37.51	39.37	31150	Valve	12061.18	Valve	27836	36	0.312	52	0.2	0.06	16.68	3.08	0.241667	335	934	672	649	0.50	1.08							1250	Unknown		
40183	CLUSTER	YES	113564.9		7.48	31.89	39.37	31150	Valve	12066.79	Valve	27830.39	36	0.312	52	0.17	0.05	13.03	3.05	0.245139	335	964	694	649	0.48	1.09							1250	Unknown		
40191	CLUSTER	YES	113568.6		11.23	28.14	39.37	31150	Valve	12070.54	Valve	27826.64	36	0.312	52	0.17	0.05	10.57	2.08	5:54	335	973	700	649	0.48	1.10							1250	Unknown		
40203	CLUSTER	YES	113570.3		12.89	26.49	39.37	31150	Valve	12072.2	Valve	27824.98	36	0.312	52	0.19	0.06	4.90	1.01	5:52	335	1008	726	649	0.46	1.12							1250	Unknown		
40206	CLUSTER	YES	113571.1		13.72	25.65	39.37	31150	Valve	12073.03	Valve	27824.15	36	0.312	52	0.31	0.10	23.22	4.59	0.240972	335	837	603	649	0.56	1.01							1250	Unknown		
40226	CLUSTER	YES	113573.6		16.24	23.14	39.37	31150	Valve	12075.54	Valve	27821.63	36	0.312	52	0.16	0.05	25.28	3.11	0.240278	335	954	687	649	0.49	1.08							1250	Unknown		
40241	CLUSTER	YES	113576.2		18.84	20.53	39.37	31150	Valve	12078.15	Valve	27819.03	36	0.312	52	0.27	0.08	3.53	0.44	0.243056	335	1005	724	649	0.46	1.15							1250	Unknown		
40244	CLUSTER	YES	113578.4		20.97	18.4	39.37	31150	Valve	12080.28	Valve	27816.9	36	0.312	52	0.21	0.07	8.56	4.40	5:48	335	960	691	649	0.48	1.09							1250	Unknown		
40252	MELO-CORR	YES	113582.9		25.47	13.9	39.37	31150	Valve	12084.78	Valve	27812.4	36	0.312	52	0.16	0.05	1.18	0.20	7:28	335	1068	769	649	0.44	1.19							1598	Metal Loss		
40254	CLUSTER	YES	113585.7		28.33	11.04	39.37	31150	Valve	12087.64	Valve	27809.54	36	0.312	52	0.19	0.06	5.44	0.63	0.245833	335	1001	721	649	0.46	1.12							1250	Unknown		
40256	MELO-CORR	YES	113587.6		30.23	9.14	39.37	31150	Valve	12089.54	Valve	27807.64	36	0.312	52	0.17	0.05	1.14	0.20	0.290278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
40258	CLUSTER	YES	113591.3		33.88	5.5	39.37	31150	Valve	12093.18	Valve	27803.99	36	0.312	52	0.26	0.08	1.42	1.07	0.256944	335	1059	763	649	0.44	1.18							1250	Unknown		
40261	CLUSTER	YES	113591.7		34.32	5.05	39.37	31150	Valve	12093.63	Valve	27803.55	36	0.312	52	0.24	0.08	16.55	4.96	5:48	335	904	651	649	0.51	1.03							1250	Unknown		
40280	CLUSTER	YES	113593.6		36.16	3.21	39.37	31150	Valve	12095.47	Valve	27801.71	36	0.312	52	0.27	0.08	32.45	4.27	5:52	335	859	619	649	0.54	1.05							1250	Unknown		
40303	GirthWeld		113596.8		39.37	39.31	39.31	31160	Valve	12098.68	Valve	27798.5	36	0.312	52					0.486806	335			649									1250	Unknown		
40304	MELO-CORR	YES	113600.5		3.77	35.54	39.31	31160	Valve	12102.45	Valve	27794.73	36	0.312	52	0.23	0.07	1.10	0.16	0.257639	335	1066	768	649	0.44	1.18							1598	Metal Loss		
40306	CLUSTER	YES	113603.6		6.81	32.5	39.31	31160	Valve	12105.49	Valve	27791.69	36	0.312	52	0.21	0.07	23.74	4.53	0.244444	335	916	660	649	0.51	1.07							1250	Unknown		
40322	MELO-CORR	YES	113607.8		11.02	28.29	39.31	31160	Valve	12109.7	Valve	27787.48	36	0.312	52	0.16	0.05	1.14	0.16	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
40324	CLUSTER	YES	113612.6		15.83	23.48	39.31	31160	Valve	12114.51	Valve	27782.67	36	0.312	52	0.26	0.08	50.35	4.59	5:42	335	855	616	649	0.54	1.05							1250	Unknown		
40353	CLUSTER	YES	113624.3		27.53	11.78	39.31	31160	Valve	12126.21	Valve	27770.97	36	0.312	52	0.22	0.07	12.19	0.88	0.255556	335	933	672	649	0.50	1.07							1250	Unknown		
40358	CLUSTER	YES	113625.7		28.9	10.41	39.31	31160	Valve	12127.58	Valve	27769.6	36	0.312	52	0.15	0.05	7.26	1.70	0.241667	335	1003	722	649	0.46	1.12							1250	Unknown		
40363	MELO-CORR	YES	113629.1		32.3	7.01	39.31	31160	Valve	12130.98	Valve	27766.2	36	0.312	52	0.23	0.07	1.10	0.39	0.254861	335	1066	768	649	0.44	1.18							1598	Metal Loss		
40364	MELO-CORR	YES	113631.5		34.7	4.61	39.31	31160	Valve	12133.38	Valve	27763.8	36	0.312	52	0.17	0.05	1.10	0.24	5:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
40365	MELO-CORR	YES	113633.9		37.12	2.19	39.31	31160	Valve	12135.8	Valve	27761.38	36	0.312	52	0.15	0.05	1.14	0.20	6:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
40367	CLUSTER	YES	113634.2		37.39	1.92	39.31	31160	Valve	12136.07	Valve	27761.11	36	0.312	52	0.17	0.05	10.37	1.04	0.245139	335	974	701	649	0.48	1.10							1250	Unknown		
40371	GirthWeld		113636.1		39.31	39.74	39.73	31170	Valve	12137.99	Valve	27759.19	36	0.312	52					0.433333	335			649									1250	Unknown		
40372	MELO-CORR	YES	113639.3		3.19	36.54	39.73	31170	Valve	12141.18	Valve	27756	36	0.312	52	0.18	0.06	1.10	0.20	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
40374	CLUSTER	YES	113642		5.89	33.84	39.73	31170	Valve	12143.88	Valve	27753.3	36	0.312	52	0.15	0.05	1.54	1.64	6:24	335	1065	767	649	0.44	1.18							1250	Unknown		
40377	CLUSTER	YES	113642.7		6.61	33.13	39.73	31170	Valve	12144.6	Valve	27752.58	36	0.312	52	0.22	0.07	3.88	0.79	5:56	335	1014	730	649	0.46	1.15							1250	Unknown		
40381	CLUSTER	YES	113644.1		8	31.73	39.73	31170	Valve	12145.99	Valve	27751.19	36	0.312	52	0.3	0.09	9.92	1.29	0.245833	335	892	642	649	0.52	1.09							1250	Unknown		
40385	MELO-CORR	YES	113645.4		9.3	30.43	39.73	31170	Valve	12147.29	Valve	27749.89	36	0.312	52	0.17	0.05	1.22	0.16	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
40386	MELO-CORR	YES	113646.7		10.6	29.13	39.73	31170	Valve	12148.59	Valve	27748.59	36	0.312	52	0.19	0.06	1.10	0.67	0.247222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
40388	CLUSTER	YES	113647.1		11	28.74	39.73	31170	Valve	12148.99	Valve	27748.19	36	0.312	52	0.19	0.06	7.80	1.26	5:53	335	977	704	649	0.48	1.09							1250	Unknown		
40391	MELO-CORR	YES	113647.9		11.82	27.92	39.73	31170	Valve	12149.81	Valve	27747.37	36	0.312	52	0.2	0.06	1.22	0.20	5:52	335	1066	768	649	0.44	1.18							1598	Metal Loss		
40393	CLUSTER	YES	113651.8		15.68	24.06	39.73	31170	Valve	12153.67	Valve	27743.51	36	0.312	52	0.2	0.06	11.68	1.07	0.245833	335	949	683	649	0.49	1.08							1250	Unknown		
40400	CLUSTER	YES	113653.3		17.23	22.51	39.73	31170	Valve	12155.22	Valve	27741.96	36	0.312	52	0.17	0.05	4.50	0.63	0.247222	335	1021	735	649	0.46	1.14							1250	Unknown		
40405	CLUSTER	YES	113654.2		18.14	21.6	39.73	31170	Valve	12156.13	Valve	27741.05	36	0.312	52	0.15	0.05	6.01	1.51	0.243056	335	1012	729	649	0.46	1.13							1250	Unknown		
40409	CLUSTER	YES	113655.8		19.71	20.03	39.73	31170	Valve	12157.7	Valve	27739.48	36	0.312	52	0.18	0.06	2.40	1.45	6:07	335	1050	756	649	0.44	1.17							1250	Unknown		
40411	MELO-CORR	YES	113656.1		20.04	19.69	39.73	31170	Valve	12158.03	Valve	27739.15	36	0.312	52	0.18	0.06	1.18	0.28	5:59	335	1068	769	649	0.44	1.18							1598	Metal Loss		
40412	MELO-CORR	YES	113656.8		20.76	18.98	39.73	31170	Valve	12158.75	Valve	27738.43	36	0.312	52	0.19	0.06	1.14	0.55	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
40414	CLUSTER	YES	113657		20.95	18.79	39.73	31170	Valve	12158.94	Valve	27738.24	36	0.312	52	0.19	0.06	17.18	3.65	0.245833	335	940	677	649	0.49	1.07							1250	Unknown		
40428	CLUSTER	YES	113658.8		22.69	17.05	39.73	31170	Valve	12160.68	Valve	27736.5	36	0.312	52	0.18	0.06	7.22	1.32	0.260417	335	988	711	649	0.47	1.12							1250	Unknown		
40431	CLUSTER	YES	113659.1		22.99	16.74	39.73	31170	Valve	12160.98	Valve	27736.2	36	0.312	52	0.17	0.05	6.17	0.76	5:56	335	1002	721	649	0.46	1.12							1250	Unknown		
40438	CLUSTER	YES	113662.2		26.15	13.58	39.73	31170	Valve	12164.14	Valve	27733.04	36	0.312	52	0.15	0.05	10.50	2.42	6:10	335	986	710	649	0.47	1.11							1250	Unknown		
40445	CLUSTER	YES	113663.3		27.26	12.47	39.73	31170	Valve	12165.25	Valve	27731.93	36	0.312	52	0.15	0.05	4.72	1.32	0.257639	335	1025	738	649	0.45	1.14							1250	Unknown		
40450	MELO-CORR	YES	113668.3		32.25	7.49	39.73	31170	Valve	12170.24	Valve	27726.94	36	0.312	52	0.19	0.06	1.14	0.47	0.247222	335	1068	769	649	0.44	1.18							1598	Metal Loss		
40452	CLUSTER	YES	113668.7		32.59	7.15	39.73	31170	Valve	12170.58	Valve	27726.6	36	0.312	52	0.18	0.06	17.28	1.54	0.243056	335	947	682	649	0.49	1.06							1250	Unknown		
40459	MELO-CORR	YES	113674		37.95	1.78	39.73	31170	Valve	12175.94	Valve	27721.24	36	0.312	52	0.17	0.05	1.14	0.20	6:23	335	1069	769	649	0.44	1.19							1598	Metal Loss		
40460	GirthWeld		113675.8		39.74	39.49	39.49	31180	Valve	12177.73	Valve	27719.45	36	0.312	52					1:07	335			649									1250	Unknown		
40461	MELO-CORR	YES	113678.4		2.57	36.91	39.49	31180	Valve	12180.3	Valve	27716.88	36	0.312	52	0.15	0.05	1.10	0.35	0.268056	335	1070	770	649	0.43	1.19							1598	Metal Loss		
40462	MELO-CORR	YES	113694.8		18.94	20.54	39.49	31180	Valve	12196.67	Valve	27700.51	36	0.312	52	0.2	0.06	1.18	0.16	0.244444	335	1067	768	649	0.44	1.18							1598	Metal Loss		
40463	GirthWeld		113715.3		39.48	39.59	39.59	31190	Valve	12217.21	Valve	27679.97	36	0.312	52					0.079167	335			649									1250	Unknown		
40464	GirthWeld		113754.9		39.59	39.82	39.82	31200	Valve	12256.8	Valve	27640.38	36	0.312	52					10:58	335			649									1250	Unknown		
40465	GirthWeld		113794.7		39.82	36.3	36.3	31210	Valve	12296.62	Valve	27600.56	36	0.312	52					12:24	335			649									1250	Unknown		
40466	GirthWeld		113831		36.3	16.99	16.99	31220	Valve	12332.92	Valve	27564.26	36	0.312	52					0.4125	335			649									1250	Unknown		
40467	GirthWeld		113848		16.99	23	23	31230	Valve	12349.91	Valve	27547.27	36	0.312	52					0.384722	335			649									1250	Unknown		
40468	GirthWeld		113871		23	39.94	39.94	31240	Valve	12372.91	Valve	27524.27	36	0.312	52					0.427778	335			649									1250	Unknown		
40470	CLUSTER	YES	113889.6		18.61	21.32	39.94	31240	Valve	12391.52	Valve	27505.66	36	0.312	52	0.15	0.05	4.00	0.57	6:12	335	1034	744	649	0.45	1.15							1250	Unknown		
40472	CLUSTER	YES	113889.7		18.73	21.2	39.94	31240	Valve	12391.64	Valve	27505.54	36	0.312	52	0.19	0.06	39.46	4.49	5:46	335	920	663	649	0.51	1.06							1250	Unknown		
40497	CLUSTER	YES	113895.7		24.68	15.26	39.94	31240	Valve	12397.59	Valve	27499.59	36	0.312	52	0.22	0.07	8.17	0.60	0.244444	335	957	689	649	0.49	1.10							1250	Unknown		
40501	GirthWeld		113910.9		39.94	39.8	39.81	31250	Valve	12412.85	Valve	27484.33	36	0.312	52					0.409722	335			649									1250	Unknown		
40502	MELO-CORR	YES	113929.7		18.71	21.09	39.81	31250	Valve	12431.56	Valve	27465.62	36	0.312	52	0.16	0.05	1.10	0.20	0.211806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
40504	CLUSTER	YES	113941.1		30.18	9.62	39.81	31250	Valve	12443.03	Valve	27454.15	36	0.312	52	0.22	0.07	2.48	0.44	5:14	335	1042	750	649	0.45	1.17							1250	Unknown		
40507	CLUSTER	YES	113943.3		32.37	7.44	39.81	31250	Valve	12445.22	Valve	27451.96	36	0.312	52	0.15	0.05	7.69	0.85	6:19	335	1000	720	649	0.47	1.12							1250	Unknown		
40511	GirthWeld		113950.7		39.8	35.33	35.32	31260	Valve	12452.65	Valve	27444.53	36	0.312	52					0.490278	335			649									1250	Unknown		
40512	GirthWeld		113986.1		35.32	39.32	39.31	31270	Valve	12487.98	Valve	27409.2	36	0.312	52					0.423611	335			649									1250	Unknown		
40513	GirthWeld		114025.4		39.31	39.75	39.75	31280	Valve	12527.29	Valve	27369.89	36	0.312	52					0.466667	335			649									1250	Unknown		
40514	GirthWeld		114065.1		39.75	39.83	39.83	31290	Valve	12567.04	Valve	27330.14	36	0.312	52					2:24	335			649									1250	Unknown		
40515	GirthWeld		114105		39.83	39.78	39.78	31300	Valve	12606.87	Valve	27290.31	36	0.312	52					1:02	335			649									1250	Unknown		
40516	GirthWeld		114144.7		39.78	39.86	39.86	31310	Valve	12646.65	Valve	27250.53	36	0.312	52					0.409722	335			649									1250	Unknown		
40517	GirthWeld		114184.6		39.86	39.8	39.8	31320	Valve	12686.51	Valve	27210.67	36	0.312	52					0.488889	335			649									1250	Unknown		
40518	GirthWeld		114224.4		39.8	39.81	39.81	31330	Valve	12726.31	Valve	27170.87	36	0.312	52					0.054167	335			649									1250	Unknown		
40519	MELO-CORR	YES	114235.4		10.96	28.85	39.81	31330	Valve	12737.27	Valve	27159.91	36	0.312	52	0.15	0.05	1.34	0.32	6:01	335	1067	769	649	0.44	1.18							1598	Metal Loss		
40521	CLUSTER	YES	114249.2		24.75	15.06	39.81	31330	Valve	12751.06	Valve	27146.12	36	0.312	52	0.3	0.09	9.14	3.68	5:49	335	899	647	649	0.52	1.07							1250	Unknown		
40529	GirthWeld		114264.2		39.81	39.82	39.82	31340	Valve	12766.12	Valve	27131.06	36	0.312	52					0.090278	335			649									1250	Unknown		
40530	MELO-CORR	YES	114276.9		12.68	27.14	39.82	31340	Valve	12778.8	Valve	27118.38	36	0.312	52	0.28	0.09	1.10	0.24	0.2375	335	1064	766	649	0.44	1.18							1598	Metal Loss		
40532	CLUSTER	YES	114277.8		13.6	26.22	39.82	31340	Valve	12779.72	Valve	27117.46	36	0.312	52	0.15	0.05	1.44	0.94	0.253472	335	1066	768	649	0.44	1.18							1250	Unknown		
40535	CLUSTER	YES	114280.6		16.38	23.44	39.82	31340	Valve	12782.5	Valve	27114.68	36	0.312	52	0.3	0.09	7.74	1.79	5:48	335	913	658	649	0.51	1.06							1250	Unknown		
40538	CLUSTER	YES	114280.7		16.5	23.32	39.82	31340	Valve	12782.62	Valve	27114.56	36	0.312	52	0.23	0.07	2.40	0.94	6:17	335	1042	750	649	0.45	1.16							1250	Unknown		
40545	CLUSTER	YES	114287.7		23.45	16.36	39.82	31340	Valve	12789.57	Valve	27107.61	36	0.312	52	0.37	0.12	23.39	6.00	0.238889	335	788	567	649	0.59	1.01							1250	Unknown		
40564	CLUSTER	YES	114297.9		33.64	6.17	39.82	31340	Valve	12799.76	Valve	27097.41	36	0.312	52	0.18	0.06	4.26	1.23	0.236111	335	1021	735	649	0.46	1.13							1250	Unknown		
40568	CLUSTER	YES	114298.2		34	5.82	39.82	31340	Valve	12800.12	Valve	27097.06	36	0.312	52	0.19	0.06	5.71	0.94	0.261806	335	998	718	649	0.47	1.13							1250	Unknown		
40572	CLUSTER	YES	114298.3		34.13	5.69	39.82	31340	Valve	12800.25	Valve	27096.93	36	0.312	52	0.35	0.11	8.69	2.86	5:45	335	870	626	649	0.53	0.99							1250	Unknown		
40579	CLUSTER	YES	114299.2		35.03	4.79	39.82	31340	Valve	12801.15	Valve	27096.03	36	0.312	52	0.35	0.11	7.88	4.84	5:41	335	880	634	649	0.53	1.06							1250	Unknown		
40591	GirthWeld		114304		39.82	39.69	39.69	31350	Valve	12805.94	Valve	27091.24	36	0.312	52					0.477778	335			649									1250	Unknown		
40593	CLUSTER	YES	114315.9		11.85	27.85	39.69	31350	Valve	12817.79	Valve	27079.39	36	0.312	52	0.17	0.05	2.33	1.13	0.234028	335	1053	758	649	0.44	1.17							1250	Unknown		
40595	MELO-CORR	YES	114323.8		19.8	19.89	39.69	31350	Valve	12825.74	Valve	27071.44	36	0.312	52	0.22	0.07	1.26	0.20	0.241667	335	1065	766	649	0.44	1.18							1598	Metal Loss		
40597	CLUSTER	YES	114332.8		28.77	10.92	39.69	31350	Valve	12834.71	Valve	27062.47	36	0.312	52	0.44	0.14	6.14	3.43	5:56	335	855	616	649	0.54	1.03							1250	Unknown		
40605	CLUSTER	YES	114342.7		38.67	1.02	39.69	31350	Valve	12844.61	Valve	27052.57	36	0.312	52	0.2	0.06	11.28	2.45	5:55	335	950	684	649	0.49	1.09							1250	Unknown		
40613	GirthWeld		114343.7		39.69	22.64	22.64	31360	Valve	12845.63	Valve	27051.55	36	0.312	52					0.539583	335			649									1250	Unknown		
40615	CLUSTER	YES	114343.8		0.04	22.6	22.64	31360	Valve	12845.67	Valve	27051.51	36	0.312	52	0.21	0.07	12.31	4.34	0.241667	335	939	676	649	0.50	1.08							1250	Unknown		
40624	CLUSTER	YES	114349.1		5.35	17.29	22.64	31360	Valve	12850.98	Valve	27046.2	36	0.312	52	0.21	0.07	13.45	2.83	0.247222	335	935	673	649	0.50	1.04							1250	Unknown		
40635	GirthWeld		114366.4		22.64	15.9	15.9	31370	Valve

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
40817	MELO-CORR	YES	114487.8		27.2	12.04	39.24	31400	Valve	12989.69	Valve	26907.49	36	0.312	52	0.24	0.08	1.06	0.16	6:12	335	1067	768	649	0.44	1.18							1598	Metal Loss		
40820	CLUSTER	YES	114488.1		27.53	11.71	39.24	31400	Valve	12990.02	Valve	26907.16	36	0.312	52	0.23	0.07	1.36	1.04	6:05	335	1063	765	649	0.44	1.18							1250	Unknown		
40822	GirthWeld		114499.8		39.24	39.44	39.44	31410	Valve	13001.73	Valve	26895.45	36	0.312	52					0.5375	335			649									1250	Unknown		
40824	CLUSTER	YES	114515		15.14	24.3	39.44	31410	Valve	13016.87	Valve	26880.31	36	0.312	52	0.2	0.06	15.42	6.19	0.2375	335	937	674	649	0.50	1.07							1250	Unknown		
40842	CLUSTER	YES	114517.8		17.94	21.5	39.44	31410	Valve	13019.67	Valve	26877.51	36	0.312	52	0.16	0.05	20.44	6.66	0.231944	335	958	690	649	0.49	1.07							1250	Unknown		
40859	CLUSTER	YES	114523.9		24.09	15.35	39.44	31410	Valve	13025.82	Valve	26871.36	36	0.312	52	0.22	0.07	5.51	1.42	6:01	335	987	710	649	0.47	1.12							1250	Unknown		
40863	CLUSTER	YES	114529.7		29.84	9.6	39.44	31410	Valve	13031.57	Valve	26865.61	36	0.312	52	0.21	0.07	14.20	3.71	5:51	335	933	672	649	0.50	1.06							1250	Unknown		
40879	CLUSTER	YES	114535.1		35.31	4.13	39.44	31410	Valve	13037.04	Valve	26860.14	36	0.312	52	0.16	0.05	5.84	0.79	0.246528	335	1010	727	649	0.46	1.12							1250	Unknown		
40882	GirthWeld		114539.3		39.44	39.01	39.01	31420	Valve	13041.17	Valve	26856.01	36	0.312	52					0.419444	335			649									1250	Unknown		
40883	MELO-CORR	YES	114544.2		4.92	34.09	39.01	31420	Valve	13046.09	Valve	26851.09	36	0.312	52	0.15	0.05	1.22	0.35	0.236111	335	1069	769	649	0.44	1.19							1598	Metal Loss		
40885	CLUSTER	YES	114544.7		5.4	33.61	39.01	31420	Valve	13046.57	Valve	26850.61	36	0.312	52	0.2	0.06	5.53	0.91	6:10	335	995	716	649	0.47	1.13							1250	Unknown		
40888	MELO-CORR	YES	114545.9		6.59	32.42	39.01	31420	Valve	13047.76	Valve	26849.42	36	0.312	52	0.15	0.05	1.18	0.32	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
40889	MELO-CORR	YES	114568.5		29.28	9.73	39.01	31420	Valve	13070.45	Valve	26826.73	36	0.312	52	0.21	0.07	1.10	1.06	0.258333	335	1067	768	649	0.44	1.18							1598	Metal Loss		
40890	GirthWeld		114578.3		39.01	39.77	39.78	31430	Valve	13080.18	Valve	26817	36	0.312	52					0.491667	335			649									1250	Unknown		
40891	GirthWeld		114618		39.77	39.79	39.79	31440	Valve	13119.95	Valve	26777.23	36	0.312	52					0.074306	335			649									1250	Unknown		
40893	CLUSTER	YES	114627.7		9.64	30.15	39.79	31440	Valve	13129.59	Valve	26767.59	36	0.312	52	0.15	0.05	4.32	1.26	5:58	335	1030	741	649	0.45	1.14							1250	Unknown		
40896	CLUSTER	YES	114638.3		20.23	19.56	39.79	31440	Valve	13140.18	Valve	26757	36	0.312	52	0.23	0.07	6.24	2.55	5:57	335	972	700	649	0.48	1.10							1250	Unknown		
40903	CLUSTER	YES	114639.4		21.33	18.46	39.79	31440	Valve	13141.28	Valve	26755.9	36	0.312	52	0.38	0.12	10.66	1.57	0.247917	335	829	597	649	0.56	0.95							1250	Unknown		
40909	CLUSTER	YES	114640.5		22.44	17.35	39.79	31440	Valve	13142.39	Valve	26754.79	36	0.312	52	0.2	0.06	3.62	1.26	0.257639	335	1024	738	649	0.45	1.15							1250	Unknown		
40911	GirthWeld		114657.8		39.79	39.87	39.87	31450	Valve	13159.74	Valve	26737.44	36	0.312	52					0.041667	335			649									1250	Unknown		
40912	AS_Sleeve		114681.5		23.71	16.16	39.87	31450	Valve	13183.45	Valve	26713.73	36	0.312	52						335			649									1789	Sleeve		
40913	AE_Sleeve		114683.9		26.05	13.82	39.87	31450	Valve	13185.79	Valve	26711.38	36	0.312	52						335			649									1789	Sleeve		
40914	GirthWeld		114697.7		39.87	39.79	39.79	31460	Valve	13199.61	Valve	26697.57	36	0.312	52					0.447222	335			649									1250	Unknown		
40915	AS_Sleeve		114707.9		10.23	29.56	39.79	31460	Valve	13209.84	Valve	26687.34	36	0.312	52						335			649									1789	Sleeve		
40916	AE_Sleeve		114718		20.29	19.5	39.79	31460	Valve	13219.9	Valve	26677.28	36	0.312	52						335			649									1789	Sleeve		
40918	CLUSTER	YES	114718.7		20.95	18.83	39.79	31460	Valve	13220.56	Valve	26676.62	36	0.312	52	0.17	0.05	15.83	1.86	5:38	335	957	689	649	0.49	1.08							1250	Unknown		
40924	CLUSTER	YES	114720.1		22.42	17.37	39.79	31460	Valve	13222.03	Valve	26675.15	36	0.312	52	0.26	0.08	3.82	1.60	5:39	335	1002	721	649	0.46	1.12							1250	Unknown		
40927	CLUSTER	YES	114720.8		23.14	16.65	39.79	31460	Valve	13222.75	Valve	26674.43	36	0.312	52	0.41	0.13	5.44	1.42	0.234028	335	892	642	649	0.52	1.01							1250	Unknown		
40930	CLUSTER	YES	114721.4		23.68	16.11	39.79	31460	Valve	13223.29	Valve	26673.89	36	0.312	52	0.46	0.14	6.10	1.92	0.233333	335	844	607	649	0.55	1.02							1250	Unknown		
40936	CLUSTER	YES	114722.9		25.22	14.57	39.79	31460	Valve	13224.83	Valve	26672.35	36	0.312	52	0.24	0.08	19.64	6.44	0.234722	335	898	647	649	0.52	1.04							1250	Unknown		
40956	MELO-CORR	YES	114725.2		27.48	12.31	39.79	31460	Valve	13227.09	Valve	26670.09	36	0.312	52	0.21	0.07	2.24	0.35	5:49	335	1048	755	649	0.44	1.16							1598	Metal Loss		
40958	CLUSTER	YES	114725.5		27.82	11.96	39.79	31460	Valve	13227.43	Valve	26669.75	36	0.312	52	0.19	0.06	4.04	2.04	5:38	335	1020	735	649	0.46	1.14							1250	Unknown		
40961	CLUSTER	YES	114726.7		29.01	10.78	39.79	31460	Valve	13228.62	Valve	26668.56	36	0.312	52	0.37	0.12	8.33	3.08	0.245139	335	861	620	649	0.54	1.03							1250	Unknown		
40969	CLUSTER	YES	114730		32.27	7.52	39.79	31460	Valve	13231.88	Valve	26665.3	36	0.312	52	0.24	0.08	15.49	2.61	0.247917	335	907	653	649	0.51	1.07							1250	Unknown		
40978	GirthWeld		114737.5		39.79	39.26	39.27	31470	Valve	13239.4	Valve	26657.78	36	0.312	52					0.479167	335			649									1250	Unknown		
40980	CLUSTER	YES	114773.8		36.27	3	39.27	31470	Valve	13275.67	Valve	26621.51	36	0.312	52	0.15	0.05	9.43	0.94	5:54	335	990	713	649	0.47	1.11							1250	Unknown		
40985	GirthWeld		114776.8		39.26	39.43	39.43	31480	Valve	13278.66	Valve	26618.52	36	0.312	52					1:36	335			649									1250	Unknown		
40986	GirthWeld		114816.2		39.43	39.81	39.81	31490	Valve	13318.09	Valve	26579.09	36	0.312	52					0.479167	335			649									1250	Unknown		
40987	GirthWeld		114856		39.81	39.85	39.85	31500	Valve	13357.9	Valve	26539.28	36	0.312	52					0.051389	335			649									1250	Unknown		
40988	Attachmnt		114890.5		34.49	5.36	39.85	31500	Valve	13392.39	Valve	26504.79	36	0.312	52					0.125	335			649									2170	Attachment		
40989	GirthWeld		114895.8		39.85	39.83	39.83	31510	Valve	13397.75	Valve	26499.43	36	0.312	52					2:58	335			649									1250	Unknown		
40990	GirthWeld		114935.7		39.83	39.57	39.58	31520	Valve	13437.58	Valve	26459.6	36	0.312	52					11:26	335			649									1250	Unknown		
40991	GirthWeld		114975.2		39.57	20.44	20.44	31530	Valve	13477.15	Valve	26420.03	36	0.312	52					0.516667	335			649									1250	Unknown		
40992	GirthWeld		114995.7		20.44	39.78	39.78	31540	Valve	13497.59	Valve	26399.59	36	0.312	52					0.440278	335			649									1250	Unknown		
40993	GirthWeld		115035.5		39.78	39.75	39.75	31550	Valve	13537.37	Valve	26359.81	36	0.312	52					0.413889	335			649									1250	Unknown		
40994	GirthWeld		115075.2		39.74	39.9	39.9	31560	Valve	13577.12	Valve	26320.06	36	0.312	52					1:24	335			649									1250	Unknown		
40996	CLUSTER	YES	115098.8		23.53	16.36	39.9	31560	Valve	13600.65	Valve	26296.52	36	0.312	52	0.18	0.06	9.43	1.54	5:51	335	972	700	649	0.48	1.10							1250	Unknown		
41001	CLUSTER	YES	115100.6		25.38	14.52	39.9	31560	Valve	13602.5	Valve	26294.68	36	0.312	52	0.19	0.06	2.11	0.57	0.243056	335	1053	758	649	0.44	1.17							1250	Unknown		
41004	CLUSTER	YES	115113.7		38.52	1.38	39.9	31560	Valve	13615.64	Valve	26281.54	36	0.312	52	0.16	0.05	6.80	2.04	0.219444	335	1001	721	649	0.46	1.12							1250	Unknown		
41008	GirthWeld		115115.1		39.9	39.9	39.9	31570	Valve	13617.02	Valve	26280.16	36	0.312	52					0.098611	335			649									1250	Unknown		
41010	CLUSTER	YES	115129.2		14.08	25.82	39.9	31570	Valve	13631.1	Valve	26266.08	36	0.312	52	0.25	0.08	17.48	1.60	6:13	335	895	644	649	0.52	1.03							1250	Unknown		
41021	CLUSTER	YES	115130.7		15.62	24.28	39.9	31570	Valve	13632.64	Valve	26264.54	36	0.312	52	0.27	0.08	13.92	1.35	6:11	335	890	641	649	0.52	1.06							1250	Unknown		
41027	CLUSTER	YES	115131.6		16.44	23.46	39.9	31570	Valve	13633.46	Valve	26263.72	36	0.312	52	0.17	0.05	5.74	1.26	0.238889	335	1006	724	649	0.46	1.13							1250	Unknown		
41031	MELO-CORR	YES	115132		16.86	23.04	39.9	31570	Valve	13633.88	Valve	26263.3	36	0.312	52	0.23	0.07	1.50	0.43	0.257639	335	1060	763	649	0.44	1.18							1598	Metal Loss		
41032	MELO-CORR	YES	115132.3		17.23	22.67	39.9	31570	Valve	13634.25	Valve	26262.93	36	0.312	52	0.22	0.07	2.21	0.43	0.259722	335	1048	754	649	0.44	1.16							1598	Metal Loss		
41033	GirthWeld		115155		39.9	39.84	39.84	31580	Valve	13656.92	Valve	26240.26	36	0.312	52					10:04	335			649									1250	Unknown		
41034	GirthWeld		115194.9		39.84	39.78	39.78	31590	Valve	13696.76	Valve	26200.42	36	0.312	52					11:10	335			649									1250	Unknown		
41035	GirthWeld		115234.6		39.78	39.77	39.76	31600	Valve	13736.54	Valve	26160.64	36	0.312	52					0.051389	335			649									1250	Unknown		
41036	GirthWeld		115274.4		39.76	39.69	39.69	31610	Valve	13776.31	Valve	26120.87	36	0.312	52					0.098611	335			649									1250	Unknown		
41038	CLUSTER	YES	115305.6		31.21	8.47	39.69	31610	Valve	13807.52	Valve	26089.66	36	0.312	52	0.21	0.07	3.76	0.88	0.254861	335	1019	734	649	0.46	1.13							1250	Unknown		
41041	CLUSTER	YES	115305.8		31.39	8.29	39.69	31610	Valve	13807.7	Valve	26089.48	36	0.312	52	0.29	0.09	14.78	3.49	5:49	335	872	628	649	0.53	1.04							1250	Unknown		
41053	CLUSTER	YES	115310.1		35.71	3.97	39.69	31610	Valve	13812.02	Valve	26085.16	36	0.312	52	0.17	0.05	13.39	3.43	5:52	335	963	693	649	0.48	1.08							1250	Unknown		
41063	CLUSTER	YES	115311.4		37.01	2.68	39.69	31610	Valve	13813.32	Valve	26083.86	36	0.312	52	0.16	0.05	9.40	4.43	0.238889	335	984	709	649	0.47	1.10							1250	Unknown		
41070	CLUSTER	YES	115312.2		37.83	1.85	39.69	31610	Valve	13814.14	Valve	26083.04	36	0.312	52	0.16	0.05	8.44	2.83	0.254861	335	990	713	649	0.47	1.10							1250	Unknown		
41075	GirthWeld		115314.1		39.69	39.94	39.94	31620	Valve	13816	Valve	26081.18	36	0.312	52					0.08125	335			649									1250	Unknown		
41077	CLUSTER	YES	115314.4		0.27	39.67	39.94	31620	Valve	13816.27	Valve	26080.91	36	0.312	52	0.3	0.09	22.12	6.10	5:46	335	847	610	649	0.55	1.03							1250	Unknown		
41098	MELO-CORR	YES	115316.1		1.96	37.98	39.94	31620	Valve	13817.96	Valve	26079.22	36	0.312	52	0.19	0.06	0.91	0.39	5:47	335	1070	771	649	0.43	1.19							1598	Metal Loss		
41099	MELO-CORR	YES	115316.5		2.43	37.51	39.94	31620	Valve	13818.43	Valve	26078.75	36	0.312	52	0.2	0.06	1.10	0.20	0.278472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
41101	CLUSTER	YES	115318.3		4.18	35.75	39.94	31620	Valve	13820.18	Valve	26077	36	0.312	52	0.3	0.09	3.25	1.07	0.240972	335	1003	722	649	0.46	1.15							1250	Unknown		
41105	CLUSTER	YES	115319.2		5.12	34.82	39.94	31620	Valve	13821.12	Valve	26076.06	36	0.312	52	0.15	0.05	7.94	3.96	0.239583	335	998	719	649	0.47	1.11							1250	Unknown		
41111	CLUSTER	YES	115319.7		5.59	34.35	39.94	31620	Valve	13821.59	Valve	26075.59	36	0.312	52	0.25	0.08	44.18	9.36	5:37	335	867	624	649	0.54	1.03							1250	Unknown		
41115	CLUSTER	YES	115320		5.89	34.05	39.94	31620	Valve	13821.89	Valve	26075.29	36	0.312	52	0.26	0.08	2.84	0.72	6:06	335	1026	738	649	0.45	1.14							1250	Unknown		
41120	MELO-CORR	YES	115320.3		6.21	33.73	39.94	31620	Valve	13822.21	Valve	26074.97	36	0.312	52	0.17	0.05	1.22	0.20	0.273611	335	1068	769	649	0.44	1.18							1598	Metal Loss		
41173	CLUSTER	YES	115323.1		9.01	30.93	39.94	31620	Valve	13825.01	Valve	26072.17	36	0.312	52	0.27	0.08	13.84	2.17	0.254861	335	891	641	649	0.52	1.07							1250	Unknown		
41184	CLUSTER	YES	115324.3		10.25	29.69	39.94	31620	Valve	13826.25	Valve	26070.93	36	0.312	52	0.31	0.10	17.71	2.20	0.255556	335	848	610	649	0.55	1.07							1250	Unknown		
41186	CLUSTER	YES	115324.4		10.31	29.62	39.94	31620	Valve	13826.31	Valve	26070.87	36	0.312	52	0.15	0.05	2.88	1.10	6:36	335	1048	755	649	0.44	1.16							1250	Unknown		
41197	CLUSTER	YES	115327.3		13.22	26.72	39.94	31620	Valve	13829.22	Valve	26067.96	36	0.312	52	0.27	0.08	57.76	8.45	5:37	335	843	607	649	0.55	1.03							1250	Unknown		
41269	MELO-CORR	YES	115332.5		18.37	21.57	39.94	31620	Valve	13834.37	Valve	26062.81	36	0.312	52	0.15	0.05	1.10	0.20	0.242361	335	1070	770	649	0.43	1.19							1598	Metal Loss		
41271	CLUSTER	YES	115333.9		19.85	20.09	39.94	31620	Valve	13835.85	Valve	26061.33	36	0.312	52	0.17	0.05	7.15	1.45	0.260417	335	993	715	649	0.47	1.11							1250	Unknown		
41276	CLUSTER	YES	115341.3		27.2	12.74	39.94	31620	Valve	13843.2	Valve	26053.98	36	0.312	52	0.16	0.05	14.54	2.08	0.238194	335	967	696	649	0.48	1.08							1250	Unknown		
41285	CLUSTER	YES	115342.7		28.61	11.33	39.94	31620	Valve	13844.61	Valve	26052.57	36	0.312	52	0.15	0.05	11.10	0.82	6:14	335	984	708	649	0.47	1.10							1250	Unknown		
41288	MELO-CORR	YES	115344.9		30.83	9.11	39.94	31620	Valve	13846.83	Valve	26050.35	36	0.312	52	0.25	0.08	1.18	0.16	5:46	335	1064	766	649	0.44	1.18							1598	Metal Loss		
41289	MELO-CORR	YES	115347.7		33.6	6.33	39.94	31620	Valve	13849.6	Valve	26047.58	36	0.312	52	0.15	0.05	1.26	0.20	0.259722	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41291	CLUSTER	YES	115350.4		36.32	3.62	39.94	31620	Valve	13852.32	Valve	26044.86	36	0.312	52	0.21	0.07	2.80	2.11	0.247917	335	1037	747	649	0.45	1.16							1250	Unknown		
41293	GirthWeld		115354		39.94	39.77	39.77	31630	Valve	13855.94	Valve	26041.24	36	0.312	52					0.115278	335			649									1250	Unknown		
41295	CLUSTER	YES	115356.4		2.34	37.43	39.77	31630	Valve	13858.28	Valve	26038.9	36	0.312	52	0.16	0.05	5.81	1.70	6:29	335	1010	727	649	0.46	1.13							1250	Unknown		
41298	GirthWeld		115393.8		39.77	39.84	39.85	31640	Valve	13895.71	Valve	26001.47	36	0.312	52					1:48	335			649									1250	Unknown		
41299	GirthWeld		115433.6		39.84	39.23	39.22	31650	Valve	13935.55	Valve	25961.63	36	0.312	52					0.113889	335			649									1250	Unknown		
41301	CLUSTER	YES	115465.7		32.08	7.15	39.22	31650	Valve	13967.63	Valve	25929.55	36	0.312	52	0.15	0.05	5.58	1.07	0.256944	335	1016	732	649	0.46	1.13							1250	Unknown		
41304	GirthWeld		115472.9		39.23	39.89	39.9	31660	Valve	13974.78	Valve	25922.4	36	0.312	52					0.341667	335			649									1250	Unknown		
41306	CLUSTER	YES	115473.9		1.04	38.85	39.9	31660	Valve	13975.82	Valve	25921.36	36	0.312	52	0.32	0.10	12.88	3.05	5:53	335	858	618	649	0.54	1.02							1250	Unknown		
41316	CLUSTER	YES	115477.4		4.48	35.41	39.9	31660	Valve	13979.26	Valve	25917.92	36	0.312	52	0.2	0.06	5.76	0.85	6:16	335	993	715	649	0.47	1.11							1250	Unknown		
41322	CLUSTER	YES	115478		5.15	34.74	39.9	31660	Valve	13979.93	Valve	25917.25	36	0.312	52	0.24	0.08	10.69	1.42	0.257639	335	927	667	649	0.50	1.07							1250	Unknown		
41326	CLUSTER	YES	115478.3		5.43	34.46	39.9	31660	Valve	13980.21	Valve	25916.97	36	0.312	52	0.15	0.05	7.33	0.66	0.241667	335	1002	722	649	0.46	1.11							1250	Unknown		
41333	CLUSTER	YES	115479.1		6.25	33.65	39.9	31660	Valve	13981.03	Valve	25916.15	36	0.312	52	0.2	0.06	10.67	2.39	0.25625	335	953	686	649	0.49	1.09							1250	Unknown		
41342	CLUSTER	YES	115480.3		7.43	32.46	39.9	31660	Valve	13982.21	Valve	25914.96	36	0.312	52	0.23	0.07	4.32	0.88	6:19	335	1002	721	649	0.46	1.13							1250	Unknown		
41346	CLUSTER	YES	115481.6		8.77	31.12	39.9	31660	Valve	13983.55	Valve	25913.63	36	0.312	52	0.16	0.05	8.00	1.60	6:11	335	992	715	649	0.47	1.11							1250	Unknown		
41350	CLUSTER	YES	115482.6		9.76	30.13	39.9	31660	Valve	13984.54	Valve	25912.64	36	0.312	52	0.28	0.09	4.94	1.20	0.25625	335	969	698	649	0.48	1.13							1250	Unknown		
41353	MELO-CORR	YES	115483.6		10.7	29.19	39.9	31660	Valve	13985.48	Valve	25911.7	36	0.312	52	0.17	0.05	1.22	0.24	0.259028	335	1068	769	649	0.44	1.18							1598	Metal Loss		
41355	CLUSTER	YES	115483.9		10.98	28.91	39.9	31660	Valve	13985.76	Valve	25911.42	36	0.312	52	0.25	0.08	9.38	1.89	0.255556	335	929	669	649	0.50	1.10							1250	Unknown		
41361	MELO-CORR	YES	115484.7		11.86	28.03	39.9	31660	Valve	13986.64	Valve	25910.54	36	0.312	52	0.23	0.07	1.10	0.39	6:14	335	1066	768	649	0.44	1.18							1598	Metal Loss		
41362	MELO-CORR	YES	115485.1		12.23	27.66	39.9	31660	Valve	13987.01	Valve	25910.17	36	0.312	52	0.23	0.07	1.14	0.20	6:54	335	1066	767	649	0.44	1.18							1598	Metal Loss		
41364	CLUSTER	YES	115485.4		12.52	27.37	39.9	31660	Valve	13987.3	Valve	25909.88	36	0.312	52	0.26	0.08	11.63	3.17

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
41458	CLUSTER	YES	115494.8		21.97	17.92	39.9	31660	Valve	13996.75	Valve	25900.43	36	0.312	52	0.25	0.08	2.35	3.11	6:13	335	1039	748	649	0.45	1.16							1250	Unknown		
41462	CLUSTER	YES	115495.2		22.33	17.56	39.9	31660	Valve	13997.11	Valve	25900.07	36	0.312	52	0.42	0.13	9.66	5.37	5:36	335	809	583	649	0.57	0.99							1250	Unknown		
41464	CLUSTER	YES	115495.2		22.36	17.54	39.9	31660	Valve	13997.14	Valve	25900.04	36	0.312	52	0.3	0.09	10.75	1.98	0.264583	335	885	638	649	0.53	1.09							1250	Unknown		
41475	MELO-CORR	YES	115496.5		23.58	16.31	39.9	31660	Valve	13998.36	Valve	25898.82	36	0.312	52	0.19	0.06	1.50	0.47	0.244444	335	1063	765	649	0.44	1.18							1598	Metal Loss		
41477	CLUSTER	YES	115496.7		23.81	16.08	39.9	31660	Valve	13998.59	Valve	25898.59	36	0.312	52	0.22	0.07	7.61	5.22	0.236806	335	962	693	649	0.48	1.10							1250	Unknown		
41486	CLUSTER	YES	115497.7		24.78	15.11	39.9	31660	Valve	13999.56	Valve	25897.62	36	0.312	52	0.16	0.05	15.46	2.77	5:54	335	965	695	649	0.48	1.09							1250	Unknown		
41496	CLUSTER	YES	115501.3		28.46	11.43	39.9	31660	Valve	14003.24	Valve	25893.94	36	0.312	52	0.18	0.06	1.90	0.94	5:58	335	1058	762	649	0.44	1.18							1250	Unknown		
41498	GirthWeld		115512.8		39.89	39.69	39.68	31670	Valve	14014.67	Valve	25882.51	36	0.312	52					0:4	335			649									1250	Unknown		
41499	GirthWeld		115552.5		39.69	39.81	39.81	31680	Valve	14054.36	Valve	25842.82	36	0.312	52					0:384722	335			649									1250	Unknown		
41500	GirthWeld		115592.3		39.81	39.81	39.81	31690	Valve	14094.17	Valve	25803.01	36	0.312	52					0:466667	335			649									1250	Unknown		
41501	GirthWeld		115632.1		39.81	39.79	39.79	31700	Valve	14133.98	Valve	25763.2	36	0.312	52					12:54	335			649									1250	Unknown		
41502	GirthWeld		115671.9		39.79	39.88	39.88	31710	Valve	14173.77	Valve	25723.41	36	0.312	52					2:22	335			649									1250	Unknown		
41504	CLUSTER	YES	115694.8		22.92	16.95	39.88	31710	Valve	14196.69	Valve	25700.49	36	0.312	52	0.16	0.05	3.35	0.69	0.240278	335	1040	748	649	0.45	1.15							1250	Unknown		
41507	CLUSTER	YES	115699.4		27.5	12.38	39.88	31710	Valve	14201.27	Valve	25695.91	36	0.312	52	0.26	0.08	9.24	0.85	0.243056	335	924	665	649	0.50	1.06							1250	Unknown		
41511	MELO-CORR	YES	115700.8		28.96	10.91	39.88	31710	Valve	14202.74	Valve	25694.44	36	0.312	52	0.17	0.05	1.18	0.16	0.243056	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41513	CLUSTER	YES	115702		30.12	9.76	39.88	31710	Valve	14203.89	Valve	25693.29	36	0.312	52	0.22	0.07	4.60	1.07	6:10	335	1001	720	649	0.46	1.13							1250	Unknown		
41517	CLUSTER	YES	115703.1		31.22	8.66	39.88	31710	Valve	14204.99	Valve	25692.19	36	0.312	52	0.24	0.08	11.60	1.95	6:06	335	922	664	649	0.50	1.04							1250	Unknown		
41523	MELO-CORR	YES	115706.9		35.01	4.86	39.88	31710	Valve	14208.78	Valve	25688.4	36	0.312	52	0.17	0.05	1.10	0.79	0.245833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41524	GirthWeld		115711.7		39.88	39.78	39.78	31720	Valve	14213.65	Valve	25683.53	36	0.312	52					0.459722	335			649									1250	Unknown		
41525	GirthWeld		115751.5		39.78	39.47	39.47	31730	Valve	14253.43	Valve	25643.75	36	0.312	52					0:5	335			649									1250	Unknown		
41526	GirthWeld		115791		39.47	24.28	24.29	31740	Valve	14292.9	Valve	25604.28	36	0.312	52					8:00	335			649									1250	Unknown		
41527	GirthWeld		115815.3		24.28	39.78	39.78	31750	Valve	14317.18	Valve	25580	36	0.312	52					8:52	335			649									1250	Unknown		
41528	GirthWeld		115855.1		39.78	39.82	39.82	31760	Valve	14356.96	Valve	25540.22	36	0.312	52					0.513889	335			649									1250	Unknown		
41530	CLUSTER	YES	115889.4		34.3	5.52	39.82	31760	Valve	14391.26	Valve	25505.92	36	0.312	52	0.15	0.05	7.14	0.69	0.258333	335	1004	723	649	0.46	1.12							1250	Unknown		
41534	CLUSTER	YES	115890.1		35.07	4.75	39.82	31760	Valve	14392.03	Valve	25505.15	36	0.312	52	0.15	0.05	5.48	0.50	0.24375	335	1017	733	649	0.46	1.13							1250	Unknown		
41536	GirthWeld		115894.9		39.82	39.83	39.83	31770	Valve	14396.78	Valve	25500.4	36	0.312	52					1:51	335			649									1250	Unknown		
41537	MELO-CORR	YES	115901.8		6.92	32.91	39.83	31770	Valve	14403.7	Valve	25493.48	36	0.312	52	0.16	0.05	2.95	0.47	5:50	335	1045	753	649	0.45	1.16							1598	Metal Loss		
41538	MELO-CORR	YES	115903.6		8.73	31.11	39.83	31770	Valve	14405.51	Valve	25491.67	36	0.312	52	0.17	0.05	1.10	0.16	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41539	MELO-CORR	YES	115910.5		15.64	24.2	39.83	31770	Valve	14412.42	Valve	25484.76	36	0.312	52	0.19	0.06	1.18	0.39	0.245139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
41541	CLUSTER	YES	115910.9		16.05	23.78	39.83	31770	Valve	14412.83	Valve	25484.35	36	0.312	52	0.26	0.08	6.70	0.54	0.241667	335	950	684	649	0.49	1.12							1250	Unknown		
41544	MELO-CORR	YES	115920.9		26.01	13.82	39.83	31770	Valve	14422.79	Valve	25474.39	36	0.312	52	0.18	0.06	1.10	0.16	6:19	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41545	GirthWeld		115934.7		39.83	39.98	39.98	31780	Valve	14436.61	Valve	25460.57	36	0.312	52					10:59	335			649									1250	Unknown		
41546	MELO-CORR	YES	115935.8		1.14	38.85	39.98	31780	Valve	14437.75	Valve	25459.43	36	0.312	52	0.21	0.07	1.02	0.20	0.277083	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41547	MELO-CORR	YES	115946.2		11.5	28.49	39.98	31780	Valve	14448.11	Valve	25449.07	36	0.312	52	0.15	0.05	1.18	0.16	0.278472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41549	CLUSTER	YES	115964.6		29.85	10.13	39.98	31780	Valve	14466.46	Valve	25430.72	36	0.312	52	0.17	0.05	9.53	1.13	0.238889	335	978	704	649	0.48	1.11							1250	Unknown		
41554	CLUSTER	YES	115965.6		30.86	9.13	39.98	31780	Valve	14467.47	Valve	25429.71	36	0.312	52	0.19	0.06	13.58	2.17	5:42	335	949	683	649	0.49	1.09							1250	Unknown		
41560	CLUSTER	YES	115968.1		33.35	6.63	39.98	31780	Valve	14469.96	Valve	25427.22	36	0.312	52	0.17	0.05	3.34	0.38	5:42	335	1037	747	649	0.45	1.16							1250	Unknown		
41563	CLUSTER	YES	115971.2		36.46	3.52	39.98	31780	Valve	14473.07	Valve	25424.1	36	0.312	52	0.21	0.07	11.89	0.69	0.2375	335	941	677	649	0.49	1.10							1250	Unknown		
41569	GirthWeld		115974.7		39.98	22.73	22.73	31790	Valve	14476.59	Valve	25420.59	36	0.312	52					0.398611	335			649									1250	Unknown		
41571	CLUSTER	YES	115978.4		3.69	19.04	22.73	31790	Valve	14480.28	Valve	25416.9	36	0.312	52	0.2	0.06	13.06	1.89	0.25625	335	943	679	649	0.49	1.08							1250	Unknown		
41573	CLUSTER	YES	115978.5		3.85	18.88	22.73	31790	Valve	14480.44	Valve	25416.74	36	0.312	52	0.17	0.05	5.68	0.85	5:42	335	1007	725	649	0.46	1.13							1250	Unknown		
41584	CLUSTER	YES	115979.9		5.25	17.48	22.73	31790	Valve	14481.84	Valve	25415.34	36	0.312	52	0.19	0.06	24.44	5.22	5:40	335	931	670	649	0.50	1.07							1250	Unknown		
41592	CLUSTER	YES	115981		6.28	16.46	22.73	31790	Valve	14482.87	Valve	25414.31	36	0.312	52	0.15	0.05	5.92	0.57	0.259722	335	1013	730	649	0.46	1.13							1250	Unknown		
41601	CLUSTER	YES	115982.6		7.92	14.82	22.73	31790	Valve	14484.51	Valve	25412.67	36	0.312	52	0.19	0.06	8.30	3.49	0.245833	335	973	701	649	0.48	1.11							1250	Unknown		
41606	CLUSTER	YES	115983.3		8.6	14.14	22.73	31790	Valve	14485.19	Valve	25411.99	36	0.312	52	0.15	0.05	14.69	1.23	0.240972	335	974	701	649	0.48	1.09							1250	Unknown		
41613	CLUSTER	YES	115985.1		10.43	12.3	22.73	31790	Valve	14487.02	Valve	25410.16	36	0.312	52	0.23	0.07	5.80	3.58	5:50	335	978	704	649	0.48	1.12							1250	Unknown		
41619	MELO-CORR	YES	115988.7		14.01	8.73	22.73	31790	Valve	14490.6	Valve	25406.58	36	0.312	52	0.18	0.06	1.18	0.16	5:53	335	1068	769	649	0.44	1.18							1598	Metal Loss		
41620	GirthWeld		115997.4		22.73	17.52	17.52	31800	Valve	14499.32	Valve	25397.86	36	0.312	52					0.366667	335			649									1250	Unknown		
41621	GirthWeld		116014.9		17.52	39.81	39.81	31810	Valve	14516.84	Valve	25380.34	36	0.312	52					0.098611	335			649									1250	Unknown		
41622	GirthWeld		116054.7		39.81	18.9	18.9	31820	Valve	14556.65	Valve	25340.53	36	0.312	52					0.152778	335			649									1250	Unknown		
41623	GirthWeld		116073.6		18.9	22.15	22.15	31830	Valve	14575.55	Valve	25321.63	36	0.312	52					4:29	335			649									1250	Unknown		
41625	CLUSTER	YES	116074.9		1.3	20.85	22.15	31830	Valve	14576.85	Valve	25320.33	36	0.312	52	0.15	0.05	14.34	1.26	6:14	335	975	702	649	0.48	1.09							1250	Unknown		
41631	GirthWeld		116095.8		22.15	31.14	31.14	31840	Valve	14597.7	Valve	25299.48	36	0.312	52					0.411111	335			649									1250	Unknown		
41632	GirthWeld		116126.9		31.14	35.9	35.9	31850	Valve	14628.84	Valve	25268.34	36	0.312	52					0.488889	335			649									1250	Unknown		
41634	CLUSTER	YES	116138		11.05	24.85	35.9	31850	Valve	14639.89	Valve	25257.29	36	0.312	52	0.15	0.05	1.98	1.35	0.252778	335	1060	763	649	0.44	1.18							1250	Unknown		
41636	GirthWeld		116162.8		35.9	15.85	15.85	31860	Valve	14664.74	Valve	25232.44	36	0.312	52					12:06	335			649									1250	Unknown		
41637	GirthWeld		116178.7		15.85	22.56	22.56	31870	Valve	14680.59	Valve	25216.59	36	0.312	52					12:54	335			649									1250	Unknown		
41639	CLUSTER	YES	116186.9		8.2	14.37	22.56	31870	Valve	14688.79	Valve	25208.39	36	0.312	52	0.2	0.06	6.06	0.60	0.263194	335	989	712	649	0.47	1.12							1250	Unknown		
41642	CLUSTER	YES	116187.3		8.66	13.9	22.56	31870	Valve	14689.25	Valve	25207.93	36	0.312	52	0.15	0.05	10.45	2.20	0.239583	335	986	710	649	0.47	1.10							1250	Unknown		
41653	CLUSTER	YES	116188.8		10.08	12.49	22.56	31870	Valve	14690.67	Valve	25206.51	36	0.312	52	0.2	0.06	4.61	1.07	0.261111	335	1008	726	649	0.46	1.13							1250	Unknown		
41655	MELO-CORR	YES	116189.5		10.86	11.7	22.56	31870	Valve	14691.45	Valve	25205.73	36	0.312	52	0.17	0.05	1.14	0.43	6:15	335	1069	769	649	0.44	1.19							1598	Metal Loss		
41657	CLUSTER	YES	116193.7		14.99	7.57	22.56	31870	Valve	14695.58	Valve	25201.6	36	0.312	52	0.17	0.05	8.41	0.63	5:46	335	984	709	649	0.47	1.11							1250	Unknown		
41660	MELO-CORR	YES	116197.5		18.84	3.72	22.56	31870	Valve	14699.43	Valve	25197.75	36	0.312	52	0.15	0.05	1.14	0.16	0.240278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41661	MELO-CORR	YES	116197.9		19.18	3.38	22.56	31870	Valve	14699.77	Valve	25197.41	36	0.312	52	0.23	0.07	1.22	0.20	0.240278	335	1065	766	649	0.44	1.18							1598	Metal Loss		
41662	GirthWeld		116201.2		22.56	31.99	31.99	31880	Valve	14703.15	Valve	25194.03	36	0.312	52					0.085417	335			649									1250	Unknown		
41664	CLUSTER	YES	116208.5		7.21	24.78	31.99	31880	Valve	14710.36	Valve	25186.82	36	0.312	52	0.18	0.06	3.13	2.64	5:32	335	1038	747	649	0.45	1.16							1250	Unknown		
41667	CLUSTER	YES	116220.8		19.51	12.48	31.99	31880	Valve	14722.66	Valve	25174.52	36	0.312	52	0.16	0.05	9.78	4.12	5:51	335	983	708	649	0.47	1.09							1250	Unknown		
41675	GirthWeld		116233.2		31.99	16.29	16.3	31890	Valve	14735.14	Valve	25162.04	36	0.312	52					0.476389	335			649									1250	Unknown		
41676	MELO-CORR	YES	116245		11.74	4.55	16.3	31890	Valve	14746.88	Valve	25150.3	36	0.312	52	0.16	0.05	1.18	0.24	0.247222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
41677	GirthWeld		116249.5		16.29	23.18	23.18	31900	Valve	14751.43	Valve	25145.75	36	0.312	52					0.488889	335			649									1250	Unknown		
41679	CLUSTER	YES	116257.2		7.69	15.49	23.18	31900	Valve	14759.12	Valve	25138.06	36	0.312	52	0.21	0.07	10.28	2.11	5:55	335	949	683	649	0.49	1.08							1250	Unknown		
41689	CLUSTER	YES	116258.9		9.35	13.84	23.18	31900	Valve	14760.78	Valve	25136.4	36	0.312	52	0.15	0.05	6.07	1.16	5:56	335	1012	729	649	0.46	1.13							1250	Unknown		
41694	CLUSTER	YES	116261.1		11.58	11.6	23.18	31900	Valve	14763.01	Valve	25134.17	36	0.312	52	0.17	0.05	8.17	1.89	0.247222	335	986	710	649	0.47	1.10							1250	Unknown		
41700	CLUSTER	YES	116264.2		14.68	8.5	23.18	31900	Valve	14766.11	Valve	25131.07	36	0.312	52	0.18	0.06	7.93	3.11	0.245139	335	982	707	649	0.47	1.10							1250	Unknown		
41706	CLUSTER	YES	116266		16.45	6.74	23.18	31900	Valve	14767.88	Valve	25129.3	36	0.312	52	0.21	0.07	5.89	3.27	0.244444	335	986	710	649	0.47	1.11							1250	Unknown		
41711	GirthWeld		116272.7		23.18	39.8	39.8	31910	Valve	14774.61	Valve	25122.57	36	0.312	52					10:14	335			649									1250	Unknown		
41712	GirthWeld		116312.5		39.8	39.8	39.8	31920	Valve	14814.41	Valve	25082.77	36	0.312	52					1:20	335			649									1250	Unknown		
41714	CLUSTER	YES	116349		36.5	3.3	39.8	31920	Valve	14850.91	Valve	25046.27	36	0.312	52	0.15	0.05	1.18	0.50	0.220833	335	1069	770	649	0.44	1.19							1250	Unknown		
41717	CLUSTER	YES	116350.1		37.56	2.24	39.8	31920	Valve	14851.97	Valve	25045.21	36	0.312	52	0.23	0.07	5.88	0.66	0.243056	335	977	703	649	0.48	1.12							1250	Unknown		
41721	GirthWeld		116352.3		39.8	39.83	39.84	31930	Valve	14854.21	Valve	25042.97	36	0.312	52					0.107639	335			649									1250	Unknown		
41723	CLUSTER	YES	116355.9		3.55	36.28	39.84	31930	Valve	14857.76	Valve	25039.42	36	0.312	52	0.17	0.05	6.28	4.12	5:49	335	1001	721	649	0.46	1.12							1250	Unknown		
41730	MELO-CORR	YES	116361.9		9.64	30.19	39.84	31930	Valve	14863.85	Valve	25033.33	36	0.312	52	0.16	0.05	1.18	0.24	6:20	335	1069	769	649	0.44	1.19							1598	Metal Loss		
41732	CLUSTER	YES	116362.8		10.51	29.33	39.84	31930	Valve	14864.72	Valve	25032.46	36	0.312	52	0.21	0.07	4.97	1.16	0.242361	335	999	719	649	0.47	1.14							1250	Unknown		
41736	CLUSTER	YES	116363.6		11.3	28.53	39.84	31930	Valve	14865.51	Valve	25031.67	36	0.312	52	0.17	0.05	1.25	1.29	0.255556	335	1067	768	649	0.44	1.18							1250	Unknown		
41739	CLUSTER	YES	116365.4		13.05	26.79	39.84	31930	Valve	14867.26	Valve	25029.92	36	0.312	52	0.21	0.07	10.75	3.55	0.244444	335	946	681	649	0.49	1.07							1250	Unknown		
41747	CLUSTER	YES	116365.7		13.41	26.42	39.84	31930	Valve	14867.62	Valve	25029.56	36	0.312	52	0.25	0.08	18.29	4.75	5:49	335	893	643	649	0.52	1.06							1250	Unknown		
41764	CLUSTER	YES	116366.7		14.41	25.42	39.84	31930	Valve	14868.62	Valve	25028.56	36	0.312	52	0.16	0.05	1.22	1.67	7:03	335	1068	769	649	0.44	1.18							1250	Unknown		
41771	CLUSTER	YES	116368.3		15.96	23.87	39.84	31930	Valve	14870.17	Valve	25027.01	36	0.312	52	0.26	0.08	6.50	3.87	0.242361	335	953	686	649	0.49	1.09							1250	Unknown		
41778	CLUSTER	YES	116369		16.74	23.09	39.84	31930	Valve	14870.95	Valve	25026.23	36	0.312	52	0.22	0.07	3.55	1.54	0.236111	335	1020	735	649	0.46	1.14							1250	Unknown		
41782	CLUSTER	YES	116369.3		17	22.84	39.84	31930	Valve	14871.21	Valve	25025.97	36	0.312	52	0.15	0.05	7.93	3.83	0.245139	335	998	719	649	0.47	1.11							1250	Unknown		
41790	CLUSTER	YES	116370		17.7	22.13	39.84	31930	Valve	14871.91	Valve	25025.27	36	0.312	52	0.24	0.08	8.14	2.92	5:50	335	945	681	649	0.49	1.11							1250	Unknown		
41795	CLUSTER	YES	116372		19.72	20.11	39.84	31930	Valve	14873.93	Valve	25023.24	36	0.312	52	0.26	0.08	5.18	0.91	5:50	335	974	701	649	0.48	1.12							1250	Unknown		
41799	CLUSTER	YES	116379.7		27.42	12.41	39.84	31930	Valve	14881.63	Valve	25015.55	36	0.312	52	0.16	0.05	18.43	6.54	0.234028	335	960	691	649	0.48	1.08							1250	Unknown		
41814	CLUSTER	YES	116382.3		29.97	9.87	39.84	31930	Valve	14884.18	Valve	25013	36	0.312	52	0.19	0.06	5.12	1.79	0.236806	335	1005	724	649	0.46	1.14							1250	Unknown		
41817	MELO-CORR	YES	116384.2		31.91	7.92	39.84	31930	Valve	14886.13	Valve	25011.05	36	0.312	52	0.17	0.05	1.30	0.16	0.24375	335	1067	768	649	0.44	1.18							1598	Metal Loss		
41819	CLUSTER	YES	116390		37.73	2.1	39.84	31930	Valve	14891.94	Valve	25005.24	36	0.312	52	0.15	0.05	4.03	1.20	6:07	335	1033	744	649	0.45	1.14							1250	Unknown		
41822	CLUSTER	YES	116391.4		39.14	0.7	39.84	31930	Valve	14893.35	Valve	25003.83	36	0.312	52	0.17	0.05	3.97	0.44	6:06	335	1028	740	649	0.45	1.15							1250	Unknown		
41824	GirthWeld		116392.1		39.83	39.86	39.86	31940	Valve	14894.04	Valve	25003.14	36	0.312	52					0.406944	335			649									1250	Unknown		
41826	CLUSTER	YES	116394.7		2.55	37.31	39.86	31940	Valve	14896.59	Valve	25000.59	36	0.312	52	0.25	0.08	7.40	2.86	0.240972	335	947	682	649	0.49	1.10							1250	Unknown		
41830	MELO-CORR	YES	116395.8		3.71	36.15	39.86	31940	Valve	14897.75	Valve	24999.43	36	0.312	52	0.16	0.05	1.10	0.16	0.243056	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41831	MELO-CORR	YES	116420.6		28.43	11.43	39.86	31940	Valve	14922.47	Valve	24974.71	36	0.312	52	0.15	0.05	1.18	0.16	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
41833	CLUSTER	YES	116425		32.9	6.96	39.86	31940	Valve	14926.95	Valve	24970.23	36	0.312	52	0.18	0.06	8.21	1.67	6:11	335	980	706	649	0.47

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
41861	CLUSTER	YES	116732.8		5.4	34.54	39.94	32090	Valve	15234.73	Valve	24662.45	36	0.312	52	0.23	0.07	15.22	2.86	6:07	335	915	659	649	0.51	1.05							1250	Unknown		
41869	CLUSTER	YES	116760.8		33.34	6.6	39.94	32090	Valve	15262.67	Valve	24634.51	36	0.312	52	0.15	0.05	4.13	0.82	5:50	335	1032	743	649	0.45	1.15							1250	Unknown		
41871	GirthWeld		116767.4		39.94	38.71	38.71	32100	Valve	15269.27	Valve	24627.91	36	0.312	52					0.081944	335			649									1250	Unknown		
41872	GirthWeld		116806.1		38.71	16.77	16.76	32110	Valve	15307.98	Valve	24589.2	36	0.312	52					0.116667	335			649									1250	Unknown		
41873	GirthWeld		116822.8		16.77	23.08	23.08	32120	Valve	15324.75	Valve	24572.43	36	0.312	52					0.1375	335			649									1250	Unknown		
41874	GirthWeld		116845.9		23.08	39.28	39.28	32130	Valve	15347.83	Valve	24549.35	36	0.312	52					1:02	335			649									1250	Unknown		
41875	GirthWeld		116885.2		39.28	39.76	39.77	32140	Valve	15387.11	Valve	24510.07	36	0.312	52					2:26	335			649									1250	Unknown		
41876	GirthWeld		116925		39.76	39.79	39.79	32150	Valve	15426.87	Valve	24470.31	36	0.312	52					0.480556	335			649									1250	Unknown		
41877	GirthWeld		116964.8		39.79	39.81	39.81	32160	Valve	15466.66	Valve	24430.52	36	0.312	52					0.4125	335			649									1250	Unknown		
41878	GirthWeld		117004.6		39.81	39.83	39.83	32170	Valve	15506.47	Valve	24390.71	36	0.312	52					0.056944	335			649									1250	Unknown		
41879	GirthWeld		117044.4		39.83	33.16	33.16	32180	Valve	15546.3	Valve	24350.88	36	0.312	52					2:12	335			649									1250	Unknown		
41880	GirthWeld		117077.6		33.16	38.17	38.17	32190	Valve	15579.46	Valve	24317.72	36	0.312	52					8:30	335			649									1250	Unknown		
41881	GirthWeld		117115.7		38.17	39.16	39.16	32200	Valve	15617.63	Valve	24279.55	36	0.312	52					0.427778	335			649									1250	Unknown		
41882	GirthWeld		117154.9		39.16	40.14	40.13	32210	Valve	15656.79	Valve	24240.39	36	0.312	52					0.0875	335			649									1250	Unknown		
41884	CLUSTER	YES	117190.5		35.62	4.51	40.13	32210	Valve	15692.41	Valve	24204.77	36	0.312	52	0.19	0.06	15.23	4.43	0.242361	335	944	680	649	0.49	1.06							1250	Unknown		
41895	CLUSTER	YES	117194.2		39.31	0.82	40.13	32210	Valve	15696.1	Valve	24201.08	36	0.312	52	0.21	0.07	8.33	1.10	5:50	335	962	692	649	0.48	1.08							1250	Unknown		
41899	GirthWeld		117195		40.13	22.46	22.46	32220	Valve	15696.93	Valve	24200.25	36	0.312	52					12:42	335			649									1250	Unknown		
41901	CLUSTER	YES	117198.2		3.16	19.3	22.46	32220	Valve	15700.09	Valve	24197.09	36	0.312	52	0.19	0.06	10.52	4.90	0.241667	335	960	692	649	0.48	1.08							1250	Unknown		
41912	MELO-CORR	YES	117199.2		4.17	18.29	22.46	32220	Valve	15701.1	Valve	24196.08	36	0.312	52	0.17	0.05	1.22	0.24	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
41913	MELO-CORR	YES	117215.7		20.7	1.76	22.46	32220	Valve	15717.63	Valve	24179.55	36	0.312	52	0.23	0.07	1.18	0.63	0.247222	335	1065	767	649	0.44	1.18							1598	Metal Loss		
41915	CLUSTER	YES	117217		21.99	0.47	22.46	32220	Valve	15718.92	Valve	24178.26	36	0.312	52	0.22	0.07	4.34	1.07	5:52	335	1005	724	649	0.46	1.13							1250	Unknown		
41918	GirthWeld		117217.5		22.46	16.85	16.85	32230	Valve	15719.39	Valve	24177.79	36	0.312	52					12:15	335			649									1250	Unknown		
41920	CLUSTER	YES	117217.7		0.19	16.66	16.85	32230	Valve	15719.58	Valve	24177.6	36	0.312	52	0.28	0.09	19.70	5.59	0.240972	335	867	624	649	0.54	1.02							1250	Unknown		
41949	CLUSTER	YES	117220.1		2.58	14.27	16.85	32230	Valve	15721.97	Valve	24175.21	36	0.312	52	0.16	0.05	23.77	4.84	0.241667	335	955	688	649	0.49	1.08							1250	Unknown		
41952	CLUSTER	YES	117220.4		2.9	13.94	16.85	32230	Valve	15722.29	Valve	24174.88	36	0.312	52	0.18	0.06	7.25	1.45	0.257639	335	987	711	649	0.47	1.12							1250	Unknown		
41962	CLUSTER	YES	117221.2		3.75	13.1	16.85	32230	Valve	15723.14	Valve	24174.04	36	0.312	52	0.17	0.05	2.08	1.07	6:11	335	1056	761	649	0.44	1.17							1250	Unknown		
41974	CLUSTER	YES	117222.2		4.67	12.18	16.85	32230	Valve	15724.06	Valve	24173.12	36	0.312	52	0.16	0.05	11.70	3.43	5:54	335	975	702	649	0.48	1.10							1250	Unknown		
41983	MELO-CORR	YES	117222.8		5.32	11.53	16.85	32230	Valve	15724.71	Valve	24172.47	36	0.312	52	0.15	0.05	1.10	0.20	0.261111	335	1070	770	649	0.43	1.19							1598	Metal Loss		
41985	MELO-CORR	YES	117224.3		6.83	10.02	16.85	32230	Valve	15726.22	Valve	24170.96	36	0.312	52	0.22	0.07	1.18	0.55	0.246528	335	1066	767	649	0.44	1.18							1598	Metal Loss		
41987	CLUSTER	YES	117224.7		7.21	9.64	16.85	32230	Valve	15726.6	Valve	24170.58	36	0.312	52	0.15	0.05	8.99	1.54	0.257639	335	993	715	649	0.47	1.11							1250	Unknown		
41994	CLUSTER	YES	117226.1		8.58	8.27	16.85	32230	Valve	15727.97	Valve	24169.21	36	0.312	52	0.28	0.09	9.46	2.61	6:08	335	909	654	649	0.51	1.08							1250	Unknown		
42000	CLUSTER	YES	117226.6		9.09	7.76	16.85	32230	Valve	15728.48	Valve	24168.7	36	0.312	52	0.27	0.08	8.17	2.01	5:46	335	927	667	649	0.50	1.04							1250	Unknown		
42009	CLUSTER	YES	117226.9		9.46	7.39	16.85	32230	Valve	15728.85	Valve	24168.33	36	0.312	52	0.21	0.07	15.80	4.59	0.247222	335	928	668	649	0.50	1.06							1250	Unknown		
42029	CLUSTER	YES	117228.9		11.43	5.42	16.85	32230	Valve	15730.82	Valve	24166.36	36	0.312	52	0.22	0.07	1.66	3.33	0.245139	335	1058	762	649	0.44	1.18							1250	Unknown		
42034	CLUSTER	YES	117229.8		12.28	4.57	16.85	32230	Valve	15731.67	Valve	24165.51	36	0.312	52	0.31	0.10	10.10	4.31	0.246528	335	883	636	649	0.53	1.09							1250	Unknown		
42045	CLUSTER	YES	117231.1		13.65	3.2	16.85	32230	Valve	15733.04	Valve	24164.14	36	0.312	52	0.21	0.07	3.46	1.98	6:11	335	1025	738	649	0.45	1.15							1250	Unknown		
42051	MELO-CORR	YES	117231.8		14.33	2.51	16.85	32230	Valve	15733.72	Valve	24163.46	36	0.312	52	0.16	0.05	1.14	0.20	6:19	335	1069	770	649	0.44	1.19							1598	Metal Loss		
42053	CLUSTER	YES	117231.9		14.37	2.48	16.85	32230	Valve	15733.76	Valve	24163.42	36	0.312	52	0.19	0.06	5.71	3.68	0.245139	335	998	718	649	0.47	1.13							1250	Unknown		
42061	CLUSTER	YES	117232.6		15.1	1.75	16.85	32230	Valve	15734.49	Valve	24162.69	36	0.312	52	0.22	0.07	1.37	0.41	0.246528	335	1063	765	649	0.44	1.18							1250	Unknown		
42063	GirthWeld		117234.3		16.85	17.22	17.22	32240	Valve	15736.24	Valve	24160.94	36	0.312	52					0.083333	335			649									1250	Unknown		
42064	MELO-CORR	YES	117234.6		0.28	16.94	17.22	32240	Valve	15736.52	Valve	24160.66	36	0.312	52	0.18	0.06	1.14	0.35	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
42066	CLUSTER	YES	117234.8		0.42	16.8	17.22	32240	Valve	15736.66	Valve	24160.52	36	0.312	52	0.18	0.06	1.22	1.01	6:09	335	1067	768	649	0.44	1.18							1250	Unknown		
42069	CLUSTER	YES	117235.3		0.93	16.29	17.22	32240	Valve	15737.17	Valve	24160.01	36	0.312	52	0.15	0.05	8.64	2.42	0.254167	335	994	716	649	0.47	1.11							1250	Unknown		
42078	MELO-CORR	YES	117241		6.63	10.59	17.22	32240	Valve	15742.87	Valve	24154.31	36	0.312	52	0.16	0.05	1.10	0.20	0.269444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
42080	CLUSTER	YES	117248.8		14.47	2.74	17.22	32240	Valve	15750.71	Valve	24146.47	36	0.312	52	0.18	0.06	7.85	3.65	0.243056	335	983	707	649	0.47	1.11							1250	Unknown		
42088	CLUSTER	YES	117250		15.7	1.52	17.22	32240	Valve	15751.94	Valve	24145.24	36	0.312	52	0.22	0.07	15.14	1.89	5:41	335	923	664	649	0.50	1.08							1250	Unknown		
42095	GirthWeld		117251.6		17.22	22.73	22.73	32250	Valve	15753.46	Valve	24143.72	36	0.312	52					1:20	335			649									1250	Unknown		
42096	GirthWeld		117274.3		22.73	39.76	39.76	32260	Valve	15776.19	Valve	24120.99	36	0.312	52					0.513194	335			649									1250	Unknown		
42098	CLUSTER	YES	117285.3		11.06	28.7	39.76	32260	Valve	15787.25	Valve	24109.93	36	0.312	52	0.16	0.05	11.53	1.54	0.254861	335	976	702	649	0.48	1.10							1250	Unknown		
42106	MELO-CORR	YES	117303.3		29.04	10.71	39.76	32260	Valve	15805.23	Valve	24091.95	36	0.312	52	0.15	0.05	1.14	0.16	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
42107	GirthWeld		117314		39.76	39.77	39.77	32270	Valve	15815.95	Valve	24081.23	36	0.312	52					11:06	335			649									1250	Unknown		
42108	MELO-CORR	YES	117316.7		2.67	37.1	39.77	32270	Valve	15818.62	Valve	24078.56	36	0.312	52	0.16	0.05	1.10	0.20	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
42110	CLUSTER	YES	117317		2.97	36.8	39.77	32270	Valve	15818.92	Valve	24078.26	36	0.312	52	0.17	0.05	4.30	0.47	0.261111	335	1023	737	649	0.45	1.14							1250	Unknown		
42113	CLUSTER	YES	117323.3		9.23	30.54	39.77	32270	Valve	15825.18	Valve	24072	36	0.312	52	0.18	0.06	9.52	1.01	0.260417	335	972	700	649	0.48	1.10							1250	Unknown		
42117	GirthWeld		117353.8		39.77	38.99	38.99	32280	Valve	15855.72	Valve	24041.46	36	0.312	52					0.095833	335			649									1250	Unknown		
42119	CLUSTER	YES	117361.6		7.83	31.16	38.99	32280	Valve	15863.55	Valve	24033.63	36	0.312	52	0.15	0.05	4.33	0.50	5:49	335	1030	741	649	0.45	1.14							1250	Unknown		
42122	CLUSTER	YES	117379		25.22	13.76	38.99	32280	Valve	15880.94	Valve	24016.24	36	0.312	52	0.15	0.05	3.16	0.69	5:49	335	1045	752	649	0.45	1.16							1250	Unknown		
42125	CLUSTER	YES	117382.8		28.97	10.02	38.99	32280	Valve	15884.69	Valve	24012.49	36	0.312	52	0.18	0.06	2.41	0.69	0.244444	335	1050	756	649	0.44	1.17							1250	Unknown		
42127	GirthWeld		117392.8		38.99	39.82	39.82	32290	Valve	15894.71	Valve	24002.47	36	0.312	52					0.420833	335			649									1250	Unknown		
42128	GirthWeld		117432.6		39.82	16.7	16.7	32300	Valve	15934.53	Valve	23962.65	36	0.312	52					0.470833	335			649									1250	Unknown		
42129	GirthWeld		117449.3		16.7	21.91	21.91	32310	Valve	15951.23	Valve	23945.95	36	0.312	52					11:02	335			649									1250	Unknown		
42130	GirthWeld		117471.2		21.91	39.79	39.79	32320	Valve	15973.14	Valve	23924.04	36	0.312	52					12:52	335			649									1250	Unknown		
42131	GirthWeld		117511		39.79	37.72	37.71	32330	Valve	16012.93	Valve	23884.24	36	0.312	52					0.077778	335			649									1250	Unknown		
42132	GirthWeld		117548.7		37.71	36.74	36.74	32340	Valve	16050.65	Valve	23846.53	36	0.312	52					0.443056	335			649									1250	Unknown		
42133	GirthWeld		117585.5		36.73	39.86	39.85	32350	Valve	16087.38	Valve	23809.8	36	0.312	52					0.476389	335			649									1250	Unknown		
42135	CLUSTER	YES	117608.4		22.91	16.94	39.85	32350	Valve	16110.29	Valve	23786.89	36	0.312	52	0.3	0.09	6.67	1.60	5:48	335	929	669	649	0.50	1.08							1250	Unknown		
42139	CLUSTER	YES	117613.1		27.61	12.25	39.85	32350	Valve	16114.99	Valve	23782.19	36	0.312	52	0.25	0.08	17.10	4.15	5:52	335	895	645	649	0.52	1.04							1250	Unknown		
42154	CLUSTER	YES	117621.2		35.69	4.17	39.85	32350	Valve	16123.07	Valve	23774.11	36	0.312	52	0.15	0.05	3.54	1.38	0.254861	335	1039	748	649	0.45	1.15							1250	Unknown		
42157	CLUSTER	YES	117623.3		37.87	1.99	39.85	32350	Valve	16125.25	Valve	23771.93	36	0.312	52	0.21	0.07	21.79	5.00	0.24375	335	918	661	649	0.51	1.05							1250	Unknown		
42171	GirthWeld		117625.3		39.86	39.82	39.83	32360	Valve	16127.24	Valve	23769.94	36	0.312	52					0.069444	335			649									1250	Unknown		
42172	MIFE	n/a	117626		0.64	39.18	39.83	32360	Valve	16127.88	Valve	23769.3	36	0.312	52					11:22	335			649									2167	Mill Anomaly		
42174	CLUSTER	YES	117637.5		12.19	27.63	39.83	32360	Valve	16139.43	Valve	23757.75	36	0.312	52	0.27	0.08	12.12	3.08	5:55	335	898	647	649	0.52	1.04							1250	Unknown		
42185	CLUSTER	YES	117638.9		13.54	26.28	39.83	32360	Valve	16140.78	Valve	23756.4	36	0.312	52	0.19	0.06	23.58	1.82	0.243056	335	932	671	649	0.50	1.07							1250	Unknown		
42191	MELO-CORR	YES	117639.8		14.49	25.33	39.83	32360	Valve	16141.73	Valve	23755.45	36	0.312	52	0.15	0.05	1.34	0.47	0.261111	335	1067	769	649	0.44	1.18							1598	Metal Loss		
42197	CLUSTER	YES	117641.7		16.34	23.48	39.83	32360	Valve	16143.58	Valve	23753.6	36	0.312	52	0.18	0.06	5.42	1.64	0.254167	335	1005	724	649	0.46	1.13							1250	Unknown		
42201	CLUSTER	YES	117642.6		17.22	22.61	39.83	32360	Valve	16144.46	Valve	23752.72	36	0.312	52	0.16	0.05	8.02	0.76	5:55	335	992	714	649	0.47	1.11							1250	Unknown		
42205	CLUSTER	YES	117650.3		24.94	14.88	39.83	32360	Valve	16152.18	Valve	23745	36	0.312	52	0.16	0.05	4.14	1.23	6:11	335	1029	741	649	0.45	1.15							1250	Unknown		
42209	CLUSTER	YES	117660.4		35.05	4.77	39.83	32360	Valve	16162.29	Valve	23734.88	36	0.312	52	0.16	0.05	5.93	0.28	0.2625	335	1009	726	649	0.46	1.12							1250	Unknown		
42211	MELO-CORR	YES	117660.7		35.39	4.43	39.83	32360	Valve	16162.63	Valve	23734.55	36	0.312	52	0.25	0.08	1.38	0.20	0.243056	335	1061	764	649	0.44	1.18							1598	Metal Loss		
42212	GirthWeld		117665.2		39.82	39.84	39.84	32370	Valve	16167.06	Valve	23730.12	36	0.312	52					0.123611	335			649									1250	Unknown		
42214	CLUSTER	YES	117666		0.81	39.03	39.84	32370	Valve	16167.87	Valve	23729.31	36	0.312	52	0.16	0.05	13.25	1.98	6:08	335	970	699	649	0.48	1.08							1250	Unknown		
42224	CLUSTER	YES	117666.9		1.77	38.07	39.84	32370	Valve	16168.83	Valve	23728.35	36	0.312	52	0.16	0.05	21.31	1.29	5:50	335	957	689	649	0.49	1.08							1250	Unknown		
42230	MELO-CORR	YES	117667.8		2.68	37.16	39.84	32370	Valve	16169.74	Valve	23727.44	36	0.312	52	0.18	0.06	1.22	0.16	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
42234	CLUSTER	YES	117668.1		2.96	36.88	39.84	32370	Valve	16170.02	Valve	23727.16	36	0.312	52	0.17	0.05	9.50	0.82	0.260417	335	978	704	649	0.48	1.10							1250	Unknown		
42241	CLUSTER	YES	117674.1		8.92	30.92	39.84	32370	Valve	16175.98	Valve	23721.2	36	0.312	52	0.2	0.06	5.80	1.16	0.256944	335	992	714	649	0.47	1.12							1250	Unknown		
42247	CLUSTER	YES	117676		10.81	29.03	39.84	32370	Valve	16177.87	Valve	23719.31	36	0.312	52	0.15	0.05	1.22	1.04	6:09	335	1069	769	649	0.44	1.19							1250	Unknown		
42249	MELO-CORR	YES	117677.6		12.48	27.36	39.84	32370	Valve	16179.54	Valve	23717.64	36	0.312	52	0.2	0.06	1.10	0.55	5:52	335	1068	769	649	0.44	1.18							1598	Metal Loss		
42251	CLUSTER	YES	117679.5		14.39	25.45	39.84	32370	Valve	16181.45	Valve	23715.73	36	0.312	52	0.25	0.08	1.31	1.01	0.257639	335	1062	765	649	0.44	1.18							1250	Unknown		
42254	CLUSTER	YES	117682		16.83	23.01	39.84	32370	Valve	16183.89	Valve	23713.29	36	0.312	52	0.19	0.06	6.18	0.79	0.243056	335	992	714	649	0.47	1.12							1250	Unknown		
42258	CLUSTER	YES	117682.7		17.54	22.3	39.84	32370	Valve	16184.6	Valve	23712.58	36	0.312	52	0.15	0.05	2.28	1.48	0.254167	335	1056	760	649	0.44	1.17							1250	Unknown		
42261	CLUSTER	YES	117683.2		18.02	21.82	39.84	32370	Valve	16185.08	Valve	23712.1	36	0.312	52	0.21	0.07	5.93	1.01	5:50	335	985	710	649	0.47	1.11							1250	Unknown		
42265	CLUSTER	YES	117683.4		18.21	21.63	39.84	32370	Valve	16185.27	Valve	23711.91	36	0.312	52	0.22	0.07	17.04	3.43	5:56	335	918	661	649	0.51	1.06							1250	Unknown		
42281	CLUSTER	YES	117685		19.81	20.03	39.84	32370	Valve	16186.87	Valve	23710.31	36	0.312	52	0.28	0.09	1.45	1.32	0.255556	335	1057	761	649	0.44	1.17							1250	Unknown		
42284	CLUSTER	YES	117685.7		20.56	19.28	39.84	32370	Valve	16187.62	Valve	23709.56	36	0.312	52	0.25	0.08	5.47	0.97	0.24375	335	973	701	649	0.48	1.10							1250	Unknown		
42287	CLUSTER	YES	117685.8		20.66	19.18	39.84	32370	Valve	16187.72	Valve	23709.46	36	0.312	52	0.19	0.06	1.33	1.04	0.25625	335	1065	767	649	0.44	1.18							1250	Unknown		
42290	CLUSTER	YES	117686.5		21.33	18.51	39.84	32370	Valve	16188.39	Valve	23708.79	36	0.312	52	0.23	0.07	2.47	1.07	6:10	335	1040	749	649	0.45	1.16							1250	Unknown		
42294	CLUSTER	YES	117686.9		21.78	18.06	39.84	32370	Valve	16188.84	Valve	23708.34	36	0.312	52	0.27	0.08	4.18	1.07	5:51	335	990	713	649	0.47	1.10							1250	Unknown		
42299	CLUSTER	YES	117688.5		23.31	16.53	39.84	32370	Valve	16190.37	Valve	23706.81	36	0.312	52	0.16	0.05	3.01	0.69	0.257639	335	1044	752	649	0.45	1.16							1250	Unknown		
42301	MELO-CORR	YES	117688.5		23.36	16.48	39.84	32370	Valve	16190.42	Valve	23706.76	36	0.312	52	0.22	0.07	3.11	0.75	0.243056	335	1029	741	649	0.45	1.14							1598	Metal Loss		
42304	CLUSTER	YES	117689		23.8	16.04	39.84	32370	Valve	16190.86	Valve	23706.32	36	0.312	52	0.38	0.12	17.17	3.83	0.24375	335	793	571	649	0.59	1.01							1250	Unknown		
42317	CLUSTER	YES	117690.2		25	14.84	39.84	32370	Valve	16192.06	Valve	23705.12	36	0.312	52	0.31	0.10	88.01	4.68	5:48	335	800	576	649	0.58	0.98							1250	Unknown		
42404	CLUSTER	YES	117695.2		30.03	9.81	39.84	32370	Valve	16197.09	Valve	23700.09	36	0.312	52	0.19	0.06	4.16	1.42	6:11	335	1018	733	649	0.46	1.13							1250	Unknown		
42438	CLUSTER	YES	117697.6

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
42701	GirthWeld		117813.1		28.51	39.68	39.68	32410	Valve	16315.01	Valve	23582.17	36	0.312	52					12:54	335			649									1250	Unknown		
42702	GirthWeld		117852.8		39.68	39.81	39.81	32420	Valve	16354.69	Valve	23542.49	36	0.312	52					8:02	335			649									1250	Unknown		
42703	GirthWeld		117892.6		39.81	39.88	39.88	32430	Valve	16394.5	Valve	23502.68	36	0.312	52					0.390278	335			649									1250	Unknown		
42704	AS_Casing		117920.3		27.72	12.16	39.88	32430	Valve	16422.22	Valve	23474.96	36	0.312	52						335			649									1590	Casing		
42706	CLUSTER	YES	117921.7		29.06	10.83	39.88	32430	Valve	16423.56	Valve	23473.62	36	0.312	52	0.16	0.05	4.58	1.10	0.259028	335	1023	737	649	0.45	1.14							1250	Unknown		
42709	GirthWeld		117932.5		39.88	39.78	39.78	32440	Valve	16434.38	Valve	23462.8	36	0.312	52					1:58	335			649									1250	Unknown		
42710	AE_Casing		117952.4		19.92	19.86	39.78	32440	Valve	16454.3	Valve	23442.88	36	0.312	52						335			649									1590	Casing		
42711	GirthWeld		117972.3		39.78	39.74	39.74	32450	Valve	16474.16	Valve	23423.02	36	0.312	52					0.538889	335			649									1250	Unknown		
42712	GirthWeld		118012		39.74	39.69	39.68	32460	Valve	16513.9	Valve	23383.28	36	0.312	52					0.486111	335			649									1250	Unknown		
42713	GirthWeld		118051.7		39.68	15.85	15.85	32470	Valve	16553.59	Valve	23343.59	36	0.312	52					0.452778	335			649									1250	Unknown		
42714	MELO-CORR	YES	118061.4		9.74	6.11	15.85	32470	Valve	16563.33	Valve	23333.85	36	0.312	52	0.17	0.05	1.18	0.20	5:46	335	1068	769	649	0.44	1.19							1598	Metal Loss		
42715	GirthWeld		118067.5		15.85	9.89	9.89	32480	Valve	16569.43	Valve	23327.74	36	0.312	52					1:00	335			649									1250	Unknown		
42716	GirthWeld		118077.4		9.89	12.67	12.67	32490	Valve	16579.32	Valve	23317.86	36	0.312	52					0.448611	335			649									1250	Unknown		
42717	GirthWeld		118090.1		12.67	39.83	39.83	32500	Valve	16591.99	Valve	23305.19	36	0.312	52					0.125	335			649									1250	Unknown		
42718	GirthWeld		118129.9		39.83	39.78	39.78	32510	Valve	16631.82	Valve	23265.36	36	0.312	52					0.063889	335			649									1250	Unknown		
42719	GirthWeld		118169.7		39.78	39.79	39.79	32520	Valve	16671.6	Valve	23225.58	36	0.312	52					11:36	335			649									1250	Unknown		
42720	GirthWeld		118209.5		39.79	39.81	39.81	32530	Valve	16711.39	Valve	23185.79	36	0.312	52					10:14	335			649									1250	Unknown		
42721	GirthWeld		118249.3		39.81	39.78	39.77	32540	Valve	16751.2	Valve	23145.98	36	0.312	52					0.076389	335			649									1250	Unknown		
42722	GirthWeld		118289.1		39.78	40.03	40.04	32550	Valve	16790.98	Valve	23106.2	36	0.312	52					0.529167	335			649									1250	Unknown		
42723	GirthWeld		118329.1		40.03	35.65	35.64	32560	Valve	16831.01	Valve	23066.17	36	0.312	52					0.5	335			649									1250	Unknown		
42724	MELO-CORR	YES	118344.6		15.45	20.19	35.64	32560	Valve	16846.46	Valve	23050.72	36	0.312	52	0.15	0.05	1.22	0.16	5:59	335	1069	769	649	0.44	1.19							1598	Metal Loss		
42726	CLUSTER	YES	118347.7		18.63	17.01	35.64	32560	Valve	16849.64	Valve	23047.54	36	0.312	52	0.18	0.06	2.59	0.44	5:56	335	1047	754	649	0.44	1.16							1250	Unknown		
42729	CLUSTER	YES	118350.4		21.31	14.34	35.64	32560	Valve	16852.32	Valve	23044.86	36	0.312	52	0.15	0.05	2.36	1.07	0.242361	335	1055	760	649	0.44	1.17							1250	Unknown		
42733	CLUSTER	YES	118353.1		24.04	11.6	35.64	32560	Valve	16855.05	Valve	23042.13	36	0.312	52	0.15	0.05	5.15	1.89	0.240972	335	1021	735	649	0.46	1.14							1250	Unknown		
42736	MELO-CORR	YES	118353.8		24.73	10.92	35.64	32560	Valve	16855.74	Valve	23041.44	36	0.312	52	0.19	0.06	1.14	0.20	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
42738	CLUSTER	YES	118355.5		26.43	9.21	35.64	32560	Valve	16857.45	Valve	23039.73	36	0.312	52	0.23	0.07	2.82	0.72	5:55	335	1032	743	649	0.45	1.16							1250	Unknown		
42741	MELO-CORR	YES	118357.2		28.06	7.59	35.64	32560	Valve	16859.07	Valve	23038.11	36	0.312	52	0.15	0.05	1.22	0.20	5:56	335	1069	769	649	0.44	1.19							1598	Metal Loss		
42742	GirthWeld		118364.8		35.65	34.99	35	32570	Valve	16866.66	Valve	23030.52	36	0.312	52					0.415278	335			649									1250	Unknown		
42743	MELO-CORR	YES	118379.6		14.82	20.17	35	32570	Valve	16881.48	Valve	23015.7	36	0.312	52	0.16	0.05	1.18	0.16	0.247222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
42744	GirthWeld		118399.7		34.99	38.76	38.76	32580	Valve	16901.65	Valve	22995.53	36	0.312	52					0.070833	335			649									1250	Unknown		
42745	GirthWeld		118438.5		38.76	38.95	38.95	32590	Valve	16940.41	Valve	22956.77	36	0.312	52					3:30	335			649									1250	Unknown		
42746	GirthWeld		118477.5		38.95	39.78	39.78	32600	Valve	16979.36	Valve	22917.82	36	0.312	52					9:23	335			649									1250	Unknown		
42748	CLUSTER	YES	118485.3		7.83	31.95	39.78	32600	Valve	16987.19	Valve	22909.99	36	0.312	52	0.2	0.06	4.19	1.07	0.245833	335	1015	731	649	0.46	1.14							1250	Unknown		
42752	CLUSTER	YES	118491.1		13.64	26.14	39.78	32600	Valve	16993	Valve	22904.18	36	0.312	52	0.16	0.05	3.29	1.29	0.247917	335	1040	749	649	0.45	1.15							1250	Unknown		
42755	MELO-CORR	YES	118496		18.5	21.29	39.78	32600	Valve	16997.86	Valve	22899.32	36	0.312	52	0.16	0.05	1.14	0.24	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
42757	CLUSTER	YES	118499.1		21.6	18.18	39.78	32600	Valve	17000.96	Valve	22896.22	36	0.312	52	0.16	0.05	6.67	2.11	5:50	335	1002	722	649	0.46	1.11							1250	Unknown		
42762	CLUSTER	YES	118508.6		31.12	8.66	39.78	32600	Valve	17010.48	Valve	22886.7	36	0.312	52	0.15	0.05	6.76	0.82	5:48	335	1006	724	649	0.46	1.12							1250	Unknown		
42766	MELO-CORR	YES	118510.1		32.62	7.16	39.78	32600	Valve	17011.98	Valve	22885.2	36	0.312	52	0.15	0.05	1.10	0.20	0.238889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
42767	GirthWeld		118517.2		39.78	39.84	39.84	32610	Valve	17019.14	Valve	22878.04	36	0.312	52					0.456944	335			649									1250	Unknown		
42769	CLUSTER	YES	118517.5		0.27	39.57	39.84	32610	Valve	17019.41	Valve	22877.77	36	0.312	52	0.15	0.05	4.18	0.66	0.243056	335	1032	743	649	0.45	1.15							1250	Unknown		
42773	CLUSTER	YES	118522.9		5.71	34.13	39.84	32610	Valve	17024.85	Valve	22872.33	36	0.312	52	0.15	0.05	5.84	0.97	6:10	335	1014	730	649	0.46	1.12							1250	Unknown		
42780	CLUSTER	YES	118524		6.81	33.03	39.84	32610	Valve	17025.95	Valve	22871.23	36	0.312	52	0.16	0.05	19.62	1.07	5:52	335	959	690	649	0.49	1.08							1250	Unknown		
42785	CLUSTER	YES	118524.8		7.55	32.29	39.84	32610	Valve	17026.69	Valve	22870.49	36	0.312	52	0.16	0.05	8.99	1.13	0.257639	335	987	710	649	0.47	1.10							1250	Unknown		
42795	CLUSTER	YES	118527.7		10.49	29.35	39.84	32610	Valve	17029.63	Valve	22867.55	36	0.312	52	0.25	0.08	5.09	1.51	0.247917	335	980	706	649	0.47	1.13							1250	Unknown		
42800	CLUSTER	YES	118528.8		11.54	28.29	39.84	32610	Valve	17030.68	Valve	22866.49	36	0.312	52	0.2	0.06	3.49	1.86	0.247222	335	1027	739	649	0.45	1.15							1250	Unknown		
42804	CLUSTER	YES	118529.6		12.32	27.52	39.84	32610	Valve	17031.46	Valve	22865.72	36	0.312	52	0.2	0.06	8.80	2.58	5:54	335	964	694	649	0.48	1.10							1250	Unknown		
42811	CLUSTER	YES	118536.5		19.3	20.54	39.84	32610	Valve	17038.44	Valve	22858.74	36	0.312	52	0.15	0.05	6.38	2.58	5:57	335	1009	727	649	0.46	1.12							1250	Unknown		
42818	CLUSTER	YES	118541.6		24.32	15.52	39.84	32610	Valve	17043.46	Valve	22853.72	36	0.312	52	0.24	0.08	9.18	1.64	0.248611	335	937	675	649	0.50	1.08							1250	Unknown		
42824	CLUSTER	YES	118545.2		27.96	11.88	39.84	32610	Valve	17047.1	Valve	22850.08	36	0.312	52	0.15	0.05	12.31	1.64	0.247917	335	980	705	649	0.47	1.10							1250	Unknown		
42829	MELO-CORR	YES	118554.9		37.68	2.15	39.84	32610	Valve	17056.82	Valve	22840.35	36	0.312	52	0.16	0.05	3.70	0.51	0.247222	335	1035	745	649	0.45	1.15							1598	Metal Loss		
42831	CLUSTER	YES	118555.6		38.33	1.51	39.84	32610	Valve	17057.47	Valve	22839.71	36	0.312	52	0.15	0.05	4.45	1.38	6:04	335	1028	740	649	0.45	1.15							1250	Unknown		
42833	GirthWeld		118557.1		39.84	39.64	39.64	32620	Valve	17058.98	Valve	22838.2	36	0.312	52					1:53	335			649									1250	Unknown		
42835	CLUSTER	YES	118564.6		7.52	32.12	39.64	32620	Valve	17066.5	Valve	22830.68	36	0.312	52	0.22	0.07	1.69	0.76	0.24375	335	1057	761	649	0.44	1.18							1250	Unknown		
42837	MELO-CORR	YES	118570.7		13.66	25.98	39.64	32620	Valve	17072.64	Valve	22824.54	36	0.312	52	0.15	0.05	1.10	0.16	0.240972	335	1070	770	649	0.43	1.19							1598	Metal Loss		
42839	CLUSTER	YES	118578.4		21.32	18.32	39.64	32620	Valve	17080.3	Valve	22816.88	36	0.312	52	0.15	0.05	9.54	0.88	0.253472	335	990	713	649	0.47	1.10							1250	Unknown		
42844	CLUSTER	YES	118587.9		30.86	8.78	39.64	32620	Valve	17089.84	Valve	22807.34	36	0.312	52	0.15	0.05	2.39	1.04	6:08	335	1055	759	649	0.44	1.17							1250	Unknown		
42847	CLUSTER	YES	118595.5		38.41	1.23	39.64	32620	Valve	17097.39	Valve	22799.79	36	0.312	52	0.15	0.05	7.98	4.12	5:51	335	998	719	649	0.47	1.11							1250	Unknown		
42855	GirthWeld		118596.7		39.64	39.8	39.8	32630	Valve	17098.62	Valve	22798.56	36	0.312	52					0.043056	335			649									1250	Unknown		
42856	GirthWeld		118636.5		39.8	39.7	39.7	32640	Valve	17138.42	Valve	22758.76	36	0.312	52					0.470833	335			649									1250	Unknown		
42857	GirthWeld		118676.2		39.7	39.14	39.14	32650	Valve	17178.12	Valve	22719.06	36	0.312	52					0.408333	335			649									1250	Unknown		
42858	GirthWeld		118715.4		39.14	39.24	39.23	32660	Valve	17217.26	Valve	22679.92	36	0.312	52					2:16	335			649									1250	Unknown		
42859	GirthWeld		118754.6		39.24	39.79	39.79	32670	Valve	17256.5	Valve	22640.68	36	0.312	52					1:00	335			649									1250	Unknown		
42860	GirthWeld		118794.4		39.79	7.68	7.68	32680	Valve	17296.29	Valve	22600.89	36	0.312	52					0.502778	335			649									1250	Unknown		
42861	GirthWeld		118802.1		7.68	39.83	39.83	32690	Valve	17303.97	Valve	22593.21	36	0.312	52					0.368056	335			649									1250	Unknown		
42862	GirthWeld		118841.9		39.83	39.74	39.75	32700	Valve	17343.8	Valve	22553.38	36	0.312	52					0.416667	335			649									1250	Unknown		
42863	AS_Sleeve		118868.5		26.62	13.12	39.75	32700	Valve	17370.42	Valve	22526.76	36	0.312	52						335			649									1789	Sleeve		
42864	AE_Sleeve		118871.6		29.71	10.04	39.75	32700	Valve	17373.51	Valve	22523.67	36	0.312	52						335			649									1789	Sleeve		
42865	GirthWeld		118881.6		39.74	39.49	39.49	32710	Valve	17383.54	Valve	22513.63	36	0.312	52					0.083333	335			649									1250	Unknown		
42866	GirthWeld		118921.1		39.49	38.69	38.69	32720	Valve	17423.03	Valve	22474.15	36	0.312	52					0.534722	335			649									1250	Unknown		
42867	GirthWeld		118959.8		38.69	39.99	39.99	32730	Valve	17461.72	Valve	22435.46	36	0.312	52					0.173611	335			649									1250	Unknown		
42869	CLUSTER	YES	118983.5		23.64	16.36	39.99	32730	Valve	17485.36	Valve	22411.82	36	0.312	52	0.17	0.05	6.72	0.79	5:54	335	997	718	649	0.47	1.12							1250	Unknown		
42872	AS_Casing		118995.4		35.55	4.44	39.99	32730	Valve	17497.27	Valve	22399.91	36	0.312	52						335			649									1590	Casing		
42873	GirthWeld		118999.8		39.99	39.79	39.79	32740	Valve	17501.71	Valve	22395.46	36	0.312	52					0.223611	335			649									1250	Unknown		
42874	MELO-CORR	YES	119006.6		6.78	33.01	39.79	32740	Valve	17508.49	Valve	22388.69	36	0.312	52	0.18	0.06	1.18	0.16	0.245833	335	1068	769	649	0.44	1.18							1598	Metal Loss		
42875	MIFE	n/a	119027.1		27.26	12.53	39.79	32740	Valve	17528.97	Valve	22368.21	36	0.312	52					0.102778	335			649									2167	Mill Anomaly		
42876	GirthWeld		119039.6		39.79	33.81	33.81	32750	Valve	17541.5	Valve	22355.68	36	0.312	52					12:15	335			649									1250	Unknown		
42877	GirthWeld		119073.4		33.81	39.16	39.16	32760	Valve	17575.31	Valve	22321.87	36	0.312	52					10:55	335			649									1250	Unknown		
42878	AE_Casing		119108.8		35.4	3.76	39.16	32760	Valve	17610.71	Valve	22286.46	36	0.312	52						335			649									1590	Casing		
42879	GirthWeld		119112.6		39.16	7.48	7.48	32770	Valve	17614.47	Valve	22282.71	36	0.312	52					0.461111	335			649									1250	Unknown		
42880	GirthWeld		119120		7.48	7.72	7.72	32780	Valve	17621.95	Valve	22275.23	36	0.438	52					UNKN	335			911									1250	Unknown		
42881	MELO-CORR	YES	119120.9		0.85	6.88	7.72	32780	Valve	17622.8	Valve	22274.38	36	0.438	52	0.15	0.07	1.10	0.16	5:48	335	1504	1083	911	0.31	1.19							1598	Metal Loss		
42883	CLUSTER	YES	119121.4		1.35	6.37	7.72	32780	Valve	17623.3	Valve	22273.88	36	0.438	52	0.16	0.07	5.52	0.94	5:58	335	1435	1033	911	0.32	1.14							1250	Unknown		
42889	CLUSTER	YES	119121.8		1.78	5.94	7.72	32780	Valve	17623.73	Valve	22273.45	36	0.438	52	0.19	0.08	2.03	0.54	0.275	335	1487	1071	911	0.31	1.18							1250	Unknown		
42891	MELO-CORR	YES	119122		1.96	5.76	7.72	32780	Valve	17623.91	Valve	22273.27	36	0.438	52	0.17	0.07	1.38	0.16	0.248611	335	1500	1080	911	0.31	1.19							1598	Metal Loss		
42893	CLUSTER	YES	119123.9		3.89	3.84	7.72	32780	Valve	17625.84	Valve	22271.34	36	0.438	52	0.18	0.08	2.71	2.70	0.240972	335	1477	1063	911	0.32	1.17							1250	Unknown		
42896	GirthWeld		119127.8		7.72	13.98	13.98	32790	Valve	17629.67	Valve	22267.51	36	0.312	52					12:36	335			649									1250	Unknown		
42897	GirthWeld		119141.7		13.98	6.82	6.82	32800	Valve	17643.65	Valve	22253.53	36	0.438	52					UNKN	335			911									1250	Unknown		
42898	GirthWeld		119148.6		6.82	7.94	7.94	32810	Valve	17650.47	Valve	22246.71	36	0.312	52					0.452778	335			649									1250	Unknown		
42899	GirthWeld		119156.5		7.94	39.88	39.88	32820	Valve	17658.41	Valve	22238.77	36	0.312	52					0.533333	335			649									1250	Unknown		
42900	GirthWeld		119196.4		39.88	38.76	38.76	32830	Valve	17698.29	Valve	22198.89	36	0.312	52					0.459722	335			649									1250	Unknown		
42901	GirthWeld		119235.1		38.76	8.13	8.13	32840	Valve	17737.05	Valve	22160.13	36	0.312	52					12:38	335			649									1250	Unknown		
42902	GirthWeld		119243.3		8.13	39.81	39.81	32850	Valve	17745.18	Valve	22152	36	0.312	52					10:34	335			649									1250	Unknown		
42903	GirthWeld		119283.1		39.81	38.81	38.81	32860	Valve	17784.99	Valve	22112.19	36	0.312	52					0.356944	335			649									1250	Unknown		
42904	GirthWeld		119321.9		38.81	39.79	39.79	32870	Valve	17823.8	Valve	22073.38	36	0.312	52					0.409722	335			649									1250	Unknown		
42905	GirthWeld		119361.7		39.79	39.16	39.16	32880	Valve	17863.59	Valve	22033.59	36	0.312	52					0.072222	335			649									1250	Unknown		
42907	CLUSTER	YES	119385.6		23.88	15.28	39.16	32880	Valve	17887.47	Valve	22009.71	36	0.312	52	0.17	0.05	9.83	2.89	5:54	335	976	703	649	0.48	1.09							1250	Unknown		
42915	CLUSTER	YES	119391.7		29.98	9.18	39.16	32880	Valve	17893.57	Valve	22003.61	36	0.312	52	0.17	0.05	8.09	1.38	6:01	335	986	710	649	0.47	1.11							1250	Unknown		
42920	GirthWeld		119400.8		39.16	39.07	39.07	32890	Valve	17902.75	Valve	21994.43	36	0.312	52					0.525	335			649									1250	Unknown		
42921	AS_Casing		119405.5		4.67	34.4	39.07	32890	Valve	17907.42	Valve	21989.76	36	0.312	52						335			649									1590	Casing		
42922	GirthWeld		119439.9		39.07	39.3	39.3	32900	Valve	17941.82	Valve	21955.36	36	0.312	52					0.076389	335			649									1250	Unknown		
42924	CLUSTER	YES	119448.8		8.9	30.4	39.3	32900	Valve	17950.72	Valve	21946.46	36	0.312	52	0.21	0.07	5.15	1.26	6:11	335	996	717	649	0.47	1.11							1250	Unknown		
42928	CLUSTER	YES	119457.9		18.02	21.28	39.3	32900	Valve	17959.84	Valve	21937.34	36	0.312	52	0.21	0.07	1.43	0.94	6:03	335	1063	765	649	0.44	1.18							1250	Unknown		
42930	AE_Casing		119473.5		33.56	5.74	39.3	32900	Valve	17975.38	Valve	21921.8	36	0.312	52						335			649									1590	Casing		
42932	CLUSTER	YES	119477.1		37.18	2.12	39.3	32900	Valve	17979	Valve	21918.18	36	0.312	52	0.24	0.08	12.52	4.21	0.241667	335	918	661	649	0.51	1.07							1250	Unknown		
42941	GirthWeld		119479.2		39.3	39.79	39.79	32910	Valve	17981.12	Valve	21916.06	36	0.312	52					0.540278	335			649									1250	Unknown		
42943	CLUSTER	YES	119480.3		1.13	38.66	39.79	32910	Valve	17982.25	Valve	21914.93	36	0.312	52	0.19	0.06	2.50	0.76	5:47	335	1047	754	649	0.44	1.16							1250	Unknown		
42947	CLUSTER	YES	119480.8		1.56	38.23	39.79	32910	Valve	17982.68	Valve	21914.5	36	0.312	52	0.22	0.07	6.30	0.85	5:49	335	976	703	649	0.48	1.08							1250	Unknown		
42951	CLUSTER	YES	119482.4		3.15	36.64	39.79	32910	Valve	17984.27	Valve	21912.91	36	0.312	52	0.21	0.07	4.36	0.63	0.241667	335	1008	726	649	0.46	1.14							1250	Unknown		
42955	CLUSTER	YES	119489.8		10.6	29.19	39.79	32910	Valve	17991.72	Valve	21905.46	36	0.312	52	0.23	0.07	7.15	2.58	0.244444	335	961	692	649	0.48	1.08							1250	Unknown		
42962	CLUSTER	YES	119490.6		11.34	28.45	39.79	32910	Valve	17992.46	Valve	21904.72	36	0.312	52	0.37	0.12	16.15	3.33	0.242361

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
43047	CLUSTER	YES	119513.7		34.44	5.35	39.79	32910	Valve	18015.56	Valve	21881.62	36	0.312	52	0.15	0.05	9.41	1.79	5:54	335	990	713	649	0.47	1.10							1250	Unknown		
43052	CLUSTER	YES	119514.6		35.4	4.39	39.79	32910	Valve	18016.52	Valve	21880.66	36	0.312	52	0.2	0.06	5.66	3.39	5:51	335	994	715	649	0.47	1.12							1250	Unknown		
43059	CLUSTER	YES	119515.2		36	3.79	39.79	32910	Valve	18017.12	Valve	21880.06	36	0.312	52	0.18	0.06	7.62	2.73	0.245833	335	984	709	649	0.47	1.11							1250	Unknown		
43065	CLUSTER	YES	119517.1		37.93	1.86	39.79	32910	Valve	18019.05	Valve	21878.13	36	0.312	52	0.2	0.06	9.16	4.18	0.242361	335	962	692	649	0.48	1.09							1250	Unknown		
43071	GirthWeld		119519		39.79	38.58	38.58	32920	Valve	18020.91	Valve	21876.27	36	0.312	52					0.393056	335			649									1250	Unknown		
43073	CLUSTER	YES	119529.4		10.35	28.23	38.58	32920	Valve	18031.26	Valve	21865.92	36	0.312	52	0.15	0.05	4.01	1.16	6:04	335	1033	744	649	0.45	1.14							1250	Unknown		
43076	CLUSTER	YES	119530		11	27.58	38.58	32920	Valve	18031.91	Valve	21865.27	36	0.312	52	0.28	0.09	18.20	3.77	5:47	335	870	626	649	0.53	1.06							1250	Unknown		
43088	CLUSTER	YES	119532.4		13.37	25.21	38.58	32920	Valve	18034.28	Valve	21862.9	36	0.312	52	0.22	0.07	15.42	1.48	0.238889	335	922	664	649	0.50	1.08							1250	Unknown		
43094	CLUSTER	YES	119535		15.99	22.59	38.58	32920	Valve	18036.9	Valve	21860.28	36	0.312	52	0.15	0.05	13.52	2.36	0.246528	335	976	703	649	0.48	1.09							1250	Unknown		
43101	CLUSTER	YES	119537.2		18.17	20.4	38.58	32920	Valve	18039.08	Valve	21858.1	36	0.312	52	0.2	0.06	4.52	1.10	0.243056	335	1009	727	649	0.46	1.14							1250	Unknown		
43104	CLUSTER	YES	119538.3		19.26	19.32	38.58	32920	Valve	18040.17	Valve	21857.01	36	0.312	52	0.17	0.05	17.93	5.56	5:49	335	954	687	649	0.49	1.07							1250	Unknown		
43120	CLUSTER	YES	119551.2		32.15	6.43	38.58	32920	Valve	18053.06	Valve	21844.12	36	0.312	52	0.16	0.05	8.50	0.85	6:14	335	989	712	649	0.47	1.11							1250	Unknown		
43125	GirthWeld		119557.6		38.58	38.93	38.93	32930	Valve	18059.49	Valve	21837.69	36	0.312	52					0.413889	335			649									1250	Unknown		
43127	CLUSTER	YES	119558.4		0.83	38.1	38.93	32930	Valve	18060.32	Valve	21836.86	36	0.312	52	0.16	0.05	2.57	2.42	0.253472	335	1051	757	649	0.44	1.16							1250	Unknown		
43130	MELO-CORR	YES	119587.6		30	8.93	38.93	32930	Valve	18089.49	Valve	21807.69	36	0.312	52	0.17	0.05	1.10	0.79	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43132	CLUSTER	YES	119587.6		30	8.93	38.93	32930	Valve	18089.49	Valve	21807.69	36	0.312	52	0.19	0.06	2.63	1.16	6:14	335	1044	752	649	0.45	1.16							1250	Unknown		
43136	CLUSTER	YES	119589		31.37	7.56	38.93	32930	Valve	18090.86	Valve	21806.32	36	0.312	52	0.15	0.05	12.53	1.60	6:13	335	979	705	649	0.48	1.10							1250	Unknown		
43142	MELO-CORR	YES	119590.4		32.77	6.16	38.93	32930	Valve	18092.26	Valve	21804.92	36	0.312	52	0.19	0.06	1.38	0.55	0.259722	335	1065	767	649	0.44	1.18							1598	Metal Loss		
43144	CLUSTER	YES	119591.9		34.31	4.62	38.93	32930	Valve	18093.8	Valve	21803.38	36	0.312	52	0.15	0.05	4.81	0.91	0.259722	335	1024	737	649	0.45	1.14							1250	Unknown		
43147	CLUSTER	YES	119592.9		35.28	3.65	38.93	32930	Valve	18094.77	Valve	21802.41	36	0.312	52	0.17	0.05	4.16	0.66	0.243056	335	1025	738	649	0.45	1.15							1250	Unknown		
43149	MELO-CORR	YES	119594		36.43	2.5	38.93	32930	Valve	18095.92	Valve	21801.26	36	0.312	52	0.16	0.05	1.10	0.35	5:46	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43151	CLUSTER	YES	119594.4		36.86	2.07	38.93	32930	Valve	18096.35	Valve	21800.83	36	0.312	52	0.31	0.10	1.93	0.47	6:16	335	1041	750	649	0.45	1.16							1250	Unknown		
43154	CLUSTER	YES	119594.7		37.13	1.8	38.93	32930	Valve	18096.63	Valve	21800.55	36	0.312	52	0.17	0.05	6.88	1.07	0.260417	335	995	717	649	0.47	1.12							1250	Unknown		
43157	GirthWeld		119596.5		38.93	39.5	39.49	32940	Valve	18098.42	Valve	21798.76	36	0.312	52					0.102778	335			649									1250	Unknown		
43159	CLUSTER	YES	119598.3		1.8	37.7	39.49	32940	Valve	18100.22	Valve	21796.96	36	0.312	52	0.17	0.05	3.02	0.79	0.242361	335	1042	750	649	0.45	1.16							1250	Unknown		
43161	MELO-CORR	YES	119599.8		3.28	36.22	39.49	32940	Valve	18101.7	Valve	21795.48	36	0.312	52	0.16	0.05	1.22	0.43	6:14	335	1068	769	649	0.44	1.19							1598	Metal Loss		
43163	CLUSTER	YES	119600.4		3.9	35.59	39.49	32940	Valve	18102.32	Valve	21794.86	36	0.312	52	0.2	0.06	6.38	1.32	6:13	335	985	709	649	0.47	1.12							1250	Unknown		
43168	CLUSTER	YES	119602.1		5.57	33.93	39.49	32940	Valve	18103.99	Valve	21793.19	36	0.312	52	0.15	0.05	3.08	0.41	0.2625	335	1046	753	649	0.44	1.16							1250	Unknown		
43171	CLUSTER	YES	119602.8		6.31	33.19	39.49	32940	Valve	18104.73	Valve	21792.45	36	0.312	52	0.29	0.09	12.54	0.91	0.24375	335	882	635	649	0.53	1.05							1250	Unknown		
43177	MELO-CORR	YES	119603.9		7.35	32.14	39.49	32940	Valve	18105.77	Valve	21791.41	36	0.312	52	0.2	0.06	2.76	0.83	0.259722	335	1040	749	649	0.45	1.16							1598	Metal Loss		
43179	CLUSTER	YES	119605.1		8.57	30.93	39.49	32940	Valve	18106.99	Valve	21790.19	36	0.312	52	0.16	0.05	7.87	2.17	5:44	335	993	715	649	0.47	1.11							1250	Unknown		
43185	CLUSTER	YES	119606.2		9.73	29.76	39.49	32940	Valve	18108.15	Valve	21789.03	36	0.312	52	0.16	0.05	4.14	0.72	5:52	335	1029	741	649	0.45	1.14							1250	Unknown		
43189	CLUSTER	YES	119606.6		10.08	29.42	39.49	32940	Valve	18108.5	Valve	21788.68	36	0.312	52	0.17	0.05	10.78	1.23	0.257639	335	972	700	649	0.48	1.09							1250	Unknown		
43193	MELO-CORR	YES	119607.2		10.71	28.78	39.49	32940	Valve	18109.13	Valve	21788.05	36	0.312	52	0.18	0.06	1.10	0.20	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
43196	CLUSTER	YES	119608.6		12.05	27.45	39.49	32940	Valve	18110.47	Valve	21786.71	36	0.312	52	0.16	0.05	6.97	2.29	0.259028	335	1000	720	649	0.47	1.12							1250	Unknown		
43200	CLUSTER	YES	119611		14.45	25.04	39.49	32940	Valve	18112.87	Valve	21784.31	36	0.312	52	0.21	0.07	21.84	5.34	5:53	335	918	661	649	0.51	1.08							1250	Unknown		
43210	MELO-CORR	YES	119611.9		15.34	24.15	39.49	32940	Valve	18113.76	Valve	21783.42	36	0.312	52	0.15	0.05	1.14	0.20	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43214	MELO-CORR	YES	119612.1		15.56	23.94	39.49	32940	Valve	18113.98	Valve	21783.2	36	0.312	52	0.17	0.05	1.22	0.16	0.246528	335	1068	769	649	0.44	1.18							1598	Metal Loss		
43220	CLUSTER	YES	119612.6		16.07	23.42	39.49	32940	Valve	18114.49	Valve	21782.69	36	0.312	52	0.15	0.05	4.57	0.76	0.244444	335	1027	739	649	0.45	1.14							1250	Unknown		
43224	CLUSTER	YES	119613.2		16.71	22.78	39.49	32940	Valve	18115.13	Valve	21782.05	36	0.312	52	0.18	0.06	22.87	7.89	0.2375	335	940	677	649	0.49	1.08							1250	Unknown		
43249	CLUSTER	YES	119615.4		18.87	20.63	39.49	32940	Valve	18117.29	Valve	21779.89	36	0.312	52	0.24	0.08	18.22	3.43	5:58	335	901	648	649	0.52	1.04							1250	Unknown		
43260	CLUSTER	YES	119617		20.52	18.97	39.49	32940	Valve	18118.94	Valve	21778.24	36	0.312	52	0.16	0.05	8.72	3.46	5:56	335	988	711	649	0.47	1.10							1250	Unknown		
43267	CLUSTER	YES	119631.7		35.15	4.35	39.49	32940	Valve	18133.57	Valve	21763.61	36	0.312	52	0.18	0.06	6.42	2.92	0.2625	335	995	716	649	0.47	1.13							1250	Unknown		
43272	CLUSTER	YES	119632.4		35.85	3.65	39.49	32940	Valve	18134.27	Valve	21762.91	36	0.312	52	0.17	0.05	6.01	0.88	0.260417	335	1003	722	649	0.46	1.13							1250	Unknown		
43274	CLUSTER	YES	119632.6		36.12	3.38	39.49	32940	Valve	18134.54	Valve	21762.64	36	0.312	52	0.15	0.05	6.65	0.94	0.240278	335	1007	725	649	0.46	1.12							1250	Unknown		
43279	CLUSTER	YES	119633.3		36.74	2.76	39.49	32940	Valve	18135.16	Valve	21762.02	36	0.312	52	0.23	0.07	23.29	1.70	6:14	335	901	649	649	0.52	1.07							1250	Unknown		
43287	CLUSTER	YES	119634.8		38.33	1.16	39.49	32940	Valve	18136.75	Valve	21760.43	36	0.312	52	0.19	0.06	9.83	0.72	5:46	335	964	694	649	0.48	1.10							1250	Unknown		
43293	GirthWeld		119636		39.5	35.49	35.5	32950	Valve	18137.92	Valve	21759.26	36	0.312	52					0.079167	335			649									1250	Unknown		
43295	CLUSTER	YES	119636.6		0.55	34.94	35.5	32950	Valve	18138.47	Valve	21758.71	36	0.312	52	0.17	0.05	4.08	1.01	0.261111	335	1026	739	649	0.45	1.14							1250	Unknown		
43299	CLUSTER	YES	119637.3		1.29	34.21	35.5	32950	Valve	18139.21	Valve	21757.97	36	0.312	52	0.17	0.05	11.62	1.16	0.2625	335	969	698	649	0.48	1.09							1250	Unknown		
43305	CLUSTER	YES	119645.7		9.72	25.78	35.5	32950	Valve	18147.64	Valve	21749.54	36	0.312	52	0.15	0.05	4.57	0.32	6:20	335	1027	739	649	0.45	1.14							1250	Unknown		
43308	CLUSTER	YES	119653.8		17.77	17.73	35.5	32950	Valve	18155.69	Valve	21741.49	36	0.312	52	0.16	0.05	30.97	1.42	6:13	335	950	684	649	0.49	1.07							1250	Unknown		
43315	CLUSTER	YES	119655		18.97	16.53	35.5	32950	Valve	18156.89	Valve	21740.29	36	0.312	52	0.23	0.07	8.15	1.70	0.2375	335	951	685	649	0.49	1.09							1250	Unknown		
43326	CLUSTER	YES	119661		24.99	10.51	35.5	32950	Valve	18162.9	Valve	21734.27	36	0.312	52	0.18	0.06	7.80	1.32	0.239583	335	983	708	649	0.47	1.11							1250	Unknown		
43333	CLUSTER	YES	119662.9		26.93	8.56	35.5	32950	Valve	18164.85	Valve	21732.33	36	0.312	52	0.16	0.05	5.42	1.23	0.240278	335	1014	730	649	0.46	1.14							1250	Unknown		
43338	CLUSTER	YES	119664.1		28.1	7.39	35.5	32950	Valve	18166.02	Valve	21731.16	36	0.312	52	0.15	0.05	12.54	1.29	5:46	335	979	705	649	0.48	1.09							1250	Unknown		
43345	CLUSTER	YES	119667.2		31.21	4.29	35.5	32950	Valve	18169.13	Valve	21728.05	36	0.312	52	0.17	0.05	5.42	0.69	5:46	335	1009	727	649	0.46	1.12							1250	Unknown		
43348	GirthWeld		119671.5		35.49	39.92	39.91	32960	Valve	18173.41	Valve	21723.77	36	0.312	52					0.508333	335			649									1250	Unknown		
43349	GirthWeld		119711.4		39.92	39.09	39.09	32970	Valve	18213.33	Valve	21683.85	36	0.312	52					0.444444	335			649									1250	Unknown		
43350	GirthWeld		119750.5		39.09	40.04	40.04	32980	Valve	18252.42	Valve	21644.76	36	0.312	52					0.041667	335			649									1250	Unknown		
43351	GirthWeld		119790.6		40.04	38.78	38.79	32990	Valve	18292.46	Valve	21604.72	36	0.312	52					11:52	335			649									1250	Unknown		
43352	GirthWeld		119829.3		38.78	14.69	14.69	33000	Valve	18331.24	Valve	21565.94	36	0.312	52					12:50	335			649									1250	Unknown		
43353	GirthWeld		119844		14.69	39.77	39.77	33010	Valve	18345.93	Valve	21551.25	36	0.312	52					0.061111	335			649									1250	Unknown		
43354	GirthWeld		119883.8		39.77	38.44	38.44	33020	Valve	18385.7	Valve	21511.48	36	0.312	52					0.433333	335			649									1250	Unknown		
43355	MELO-CORR	YES	119921.6		37.85	0.59	38.44	33020	Valve	18423.55	Valve	21473.63	36	0.312	52	0.17	0.05	2.99	0.47	0.248611	335	1042	751	649	0.45	1.16							1598	Metal Loss		
43356	GirthWeld		119922.2		38.44	39.76	39.76	33030	Valve	18424.14	Valve	21473.04	36	0.312	52					11:40	335			649									1250	Unknown		
43357	GW_Reinf		119962		39.76	39.32	39.31	33040	Valve	18463.9	Valve	21433.28	36	0.312	52					12:52	335			649									1250	Unknown		
43359	CLUSTER	YES	119964.5		2.52	36.8	39.31	33040	Valve	18466.42	Valve	21430.76	36	0.312	52	0.16	0.05	5.22	1.38	0.241667	335	1016	731	649	0.46	1.13							1250	Unknown		
43363	CLUSTER	YES	119966.2		4.22	35.1	39.31	33040	Valve	18468.12	Valve	21429.06	36	0.312	52	0.22	0.07	11.93	4.84	0.238194	335	934	672	649	0.50	1.04							1250	Unknown		
43376	MELO-CORR	YES	119967.2		5.21	34.11	39.31	33040	Valve	18469.11	Valve	21428.07	36	0.312	52	0.19	0.06	1.18	0.20	0.257639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
43377	MELO-CORR	YES	119967.3		5.31	34.01	39.31	33040	Valve	18469.21	Valve	21427.97	36	0.312	52	0.2	0.06	1.30	0.51	5:52	335	1065	767	649	0.44	1.18							1598	Metal Loss		
43379	CLUSTER	YES	119968.1		6.14	33.17	39.31	33040	Valve	18470.04	Valve	21427.14	36	0.312	52	0.25	0.08	3.05	1.64	5:43	335	1023	737	649	0.45	1.14							1250	Unknown		
43380	MELO-CORR	YES	119968.2		6.16	33.15	39.31	33040	Valve	18470.06	Valve	21427.12	36	0.312	52	0.18	0.06	2.52	0.47	0.260417	335	1048	755	649	0.44	1.16							1598	Metal Loss		
43385	CLUSTER	YES	119968.6		6.65	32.67	39.31	33040	Valve	18470.55	Valve	21426.63	36	0.312	52	0.3	0.09	3.30	0.79	0.258333	335	1002	722	649	0.46	1.14							1250	Unknown		
43386	MELO-CORR	YES	119968.7		6.7	32.62	39.31	33040	Valve	18470.6	Valve	21426.58	36	0.312	52	0.17	0.05	1.10	0.35	0.245833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43388	Tap		119971.9		9.89	29.43	39.31	33040	Valve	18473.79	Valve	21423.39	36	0.312	52					6:00	335			649									1790	Tap		
43390	CLUSTER	YES	119974.6		12.61	26.7	39.31	33040	Valve	18476.51	Valve	21420.67	36	0.312	52	0.25	0.08	13.82	1.57	5:42	335	905	652	649	0.51	1.03							1250	Unknown		
43400	CLUSTER	YES	119976.4		14.45	24.86	39.31	33040	Valve	18478.35	Valve	21418.83	36	0.312	52	0.24	0.08	13.48	4.46	0.238889	335	914	658	649	0.51	1.08							1250	Unknown		
43412	MELO-CORR	YES	119977.4		15.44	23.88	39.31	33040	Valve	18479.34	Valve	21417.84	36	0.312	52	0.21	0.07	1.10	0.63	0.261806	335	1067	768	649	0.44	1.18							1598	Metal Loss		
43415	CLUSTER	YES	119977.9		15.88	23.43	39.31	33040	Valve	18479.78	Valve	21417.4	36	0.312	52	0.24	0.08	16.52	5.09	0.238889	335	904	651	649	0.51	1.07							1250	Unknown		
43433	CLUSTER	YES	119982.9		20.93	18.39	39.31	33040	Valve	18484.83	Valve	21412.35	36	0.312	52	0.28	0.09	19.45	3.05	5:55	335	867	624	649	0.54	1.03							1250	Unknown		
43449	CLUSTER	YES	119987.6		25.58	13.74	39.31	33040	Valve	18489.48	Valve	21407.7	36	0.312	52	0.15	0.05	4.20	0.72	5:47	335	1031	742	649	0.45	1.14							1250	Unknown		
43452	CLUSTER	YES	119990.5		28.51	10.8	39.31	33040	Valve	18492.41	Valve	21404.77	36	0.312	52	0.22	0.07	5.63	0.94	0.254167	335	985	709	649	0.47	1.13							1250	Unknown		
43455	MELO-CORR	YES	120000.2		38.22	1.1	39.31	33040	Valve	18502.12	Valve	21395.06	36	0.312	52	0.15	0.05	3.66	0.71	0.240972	335	1038	747	649	0.45	1.15							1598	Metal Loss		
43456	GirthWeld		120001.3		39.32	39.8	39.8	33050	Valve	18503.22	Valve	21393.96	36	0.312	52					0.473611	335			649									1250	Unknown		
43458	CLUSTER	YES	120001.6		0.28	39.52	39.8	33050	Valve	18503.5	Valve	21393.68	36	0.312	52	0.19	0.06	4.09	0.79	6:10	335	1020	734	649	0.46	1.15							1250	Unknown		
43462	CLUSTER	YES	120008.1		6.83	32.97	39.8	33050	Valve	18510.05	Valve	21387.13	36	0.312	52	0.26	0.08	11.46	1.01	6:10	335	909	654	649	0.51	1.08							1250	Unknown		
43469	CLUSTER	YES	120015.5		14.2	25.6	39.8	33050	Valve	18517.42	Valve	21379.76	36	0.312	52	0.15	0.05	4.21	1.23	0.25625	335	1031	742	649	0.45	1.15							1250	Unknown		
43473	CLUSTER	YES	120015.9		14.6	25.2	39.8	33050	Valve	18517.82	Valve	21379.36	36	0.312	52	0.33	0.10	16.62	2.01	0.238889	335	835	601	649	0.56	1.06							1250	Unknown		
43479	CLUSTER	YES	120016.9		15.55	24.25	39.8	33050	Valve	18518.77	Valve	21378.41	36	0.312	52	0.17	0.05	4.72	0.82	0.257639	335	1018	733	649	0.46	1.14							1250	Unknown		
43484	CLUSTER	YES	120017.4		16.04	23.76	39.8	33050	Valve	18519.26	Valve	21377.92	36	0.312	52	0.22	0.07	12.78	2.96	5:55	335	930	670	649	0.50	1.03							1250	Unknown		
43499	CLUSTER	YES	120019.5		18.15	21.65	39.8	33050	Valve	18521.37	Valve	21375.81	36	0.312	52	0.16	0.05	9.26	0.82	5:54	335	985	709	649	0.47	1.09							1250	Unknown		
43505	CLUSTER	YES	120020.3		19.02	20.78	39.8	33050	Valve	18522.24	Valve	21374.94	36	0.312	52	0.23	0.07	3.56	0.79	0.259028	335	1016	732	649	0.46	1.15							1250	Unknown		
43507	MELO-CORR	YES	120021.5		20.15	19.65	39.8	33050	Valve	18523.37	Valve	21373.81	36	0.312	52	0.17	0.05	1.14	0.20	0.246528	335	1069	769	649	0.44	1.19							1598	Metal Loss		
43509	CLUSTER	YES	120021.7		20.38	19.42	39.8	33050	Valve	18523.6	Valve	21373.58	36	0.312	52	0.24	0.08	7.34	3.87	0.245139	335	953	686	649	0.49	1.10							1250	Unknown		
43518	MELO-CORR	YES	120022.5		21.16	18.64	39.8	33050	Valve	18524.38	Valve	21372.8	36	0.312	52	0.17	0.05	1.18	0.24	5:57	335	1068	769	649	0.44	1.19							1598	Metal Loss		
43520	CLUSTER	YES	120022.9		21.57	18.23	39.8	33050	Valve	18524.79	Valve	21372.38	36	0.312	52	0.27	0.08	5.74	0.66	5:54	335	959	691	649	0.49	1.12							1250	Unknown		
43524	CLUSTER	YES	120023.4		22.1	17.71	39.8	33050	Valve	18525.32	Valve	21371.86	36	0.312	52	0.25	0.08	5.42	2.99	0.245833	335	974	701	649	0.48	1.11							1250	Unknown		
43529	MELO-CORR	YES	120024.9		23.61	16.19	39.8	33050	Valve	18526.83	Valve	21370.35	36	0.312	52	0.2	0.06	1.81	0.63	0.241667	335	1057

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
43692	MELO-CORR	YES	120048.1		6.97	32.85	39.82	33060	Valve	18549.99	Valve	21347.19	36	0.312	52	0.24	0.08	1.38	0.28	5:55	335	1062	764	649	0.44	1.18							1598	Metal Loss		
43694	CLUSTER	YES	120049.1		8.01	31.81	39.82	33060	Valve	18551.03	Valve	21346.15	36	0.312	52	0.29	0.09	2.59	2.83	5:55	335	1025	738	649	0.45	1.15							1250	Unknown		
43698	CLUSTER	YES	120049.7		8.63	31.19	39.82	33060	Valve	18551.65	Valve	21345.53	36	0.312	52	0.28	0.09	12.26	4.62	0.242361	335	890	641	649	0.52	1.04							1250	Unknown		
43713	MELO-CORR	YES	120051.5		10.36	29.46	39.82	33060	Valve	18553.38	Valve	21343.8	36	0.312	52	0.26	0.08	1.34	0.47	0.259028	335	1061	764	649	0.44	1.18							1598	Metal Loss		
43714	MELO-CORR	YES	120052.1		10.94	28.88	39.82	33060	Valve	18553.96	Valve	21343.22	36	0.312	52	0.24	0.08	1.18	0.39	0.244444	335	1065	767	649	0.44	1.18							1598	Metal Loss		
43715	MELO-CORR	YES	120053.1		11.95	27.87	39.82	33060	Valve	18554.97	Valve	21342.21	36	0.312	52	0.27	0.08	0.94	0.55	5:54	335	1067	768	649	0.44	1.18							1598	Metal Loss		
43717	CLUSTER	YES	120053.5		12.34	27.48	39.82	33060	Valve	18555.36	Valve	21341.82	36	0.312	52	0.15	0.05	1.54	0.97	6:05	335	1065	767	649	0.44	1.18							1250	Unknown		
43720	CLUSTER	YES	120055.4		14.29	25.53	39.82	33060	Valve	18557.31	Valve	21339.87	36	0.312	52	0.17	0.05	2.34	1.10	0.254861	335	1053	758	649	0.44	1.17							1250	Unknown		
43723	CLUSTER	YES	120055.8		14.69	25.13	39.82	33060	Valve	18557.71	Valve	21339.47	36	0.312	52	0.24	0.08	3.26	0.97	0.24375	335	1020	735	649	0.46	1.14							1250	Unknown		
43726	CLUSTER	YES	120058.3		17.22	22.6	39.82	33060	Valve	18560.24	Valve	21336.94	36	0.312	52	0.26	0.08	2.35	0.54	0.245833	335	1037	747	649	0.45	1.16							1250	Unknown		
43729	CLUSTER	YES	120060.5		19.34	20.46	39.82	33060	Valve	18562.36	Valve	21334.82	36	0.312	52	0.18	0.06	4.57	1.54	5:58	335	1016	732	649	0.46	1.14							1250	Unknown		
43733	CLUSTER	YES	120061.4		20.27	19.55	39.82	33060	Valve	18563.29	Valve	21333.89	36	0.312	52	0.15	0.05	9.65	1.23	5:54	335	989	712	649	0.47	1.09							1250	Unknown		
43738	MELO-CORR	YES	120062.5		21.35	18.47	39.82	33060	Valve	18564.37	Valve	21332.81	36	0.312	52	0.19	0.06	1.22	0.24	0.245139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
43740	CLUSTER	YES	120062.9		21.78	18.04	39.82	33060	Valve	18564.8	Valve	21332.38	36	0.312	52	0.16	0.05	2.74	1.67	0.247917	335	1049	755	649	0.44	1.17							1250	Unknown		
43744	CLUSTER	YES	120063.2		22.1	17.72	39.82	33060	Valve	18565.12	Valve	21332.06	36	0.312	52	0.23	0.07	3.10	1.60	0.245833	335	1026	739	649	0.45	1.15							1250	Unknown		
43749	CLUSTER	YES	120063.9		22.83	16.99	39.82	33060	Valve	18565.85	Valve	21331.33	36	0.312	52	0.24	0.08	4.28	2.80	5:57	335	999	719	649	0.47	1.14							1250	Unknown		
43753	CLUSTER	YES	120065.6		24.47	15.35	39.82	33060	Valve	18567.49	Valve	21329.69	36	0.312	52	0.2	0.06	6.97	1.51	6:03	335	979	705	649	0.48	1.10							1250	Unknown		
43757	CLUSTER	YES	120067.3		26.14	13.68	39.82	33060	Valve	18569.16	Valve	21328.02	36	0.312	52	0.15	0.05	6.82	1.16	0.245833	335	1006	724	649	0.46	1.12							1250	Unknown		
43760	MELO-CORR	YES	120073.7		32.54	7.28	39.82	33060	Valve	18575.56	Valve	21321.62	36	0.312	52	0.2	0.06	3.39	0.67	0.243056	335	1029	741	649	0.45	1.14							1598	Metal Loss		
43762	CLUSTER	YES	120076.7		35.56	4.26	39.82	33060	Valve	18578.58	Valve	21318.6	36	0.312	52	0.16	0.05	2.44	0.47	0.24375	335	1053	758	649	0.44	1.17							1250	Unknown		
43764	GirthWeld		120080.9		39.82	39.33	39.33	33070	Valve	18582.84	Valve	21314.34	36	0.312	52					1:52	335			649								1250	Unknown		
43766	CLUSTER	YES	120105.5		24.59	14.74	39.33	33070	Valve	18607.43	Valve	21289.75	36	0.312	52	0.37	0.12	12.44	3.68	5:53	335	823	593	649	0.57	1.07							1250	Unknown		
43779	CLUSTER	YES	120109.7		28.78	10.55	39.33	33070	Valve	18611.62	Valve	21285.56	36	0.312	52	0.28	0.09	5.34	1.42	0.240278	335	961	692	649	0.48	1.12							1250	Unknown		
43782	GirthWeld		120120.3		39.33	39.88	39.88	33080	Valve	18622.17	Valve	21275.01	36	0.312	52					0.477083	335			649								1250	Unknown		
43783	MELO-CORR	YES	120123.3		3.07	36.81	39.88	33080	Valve	18625.24	Valve	21271.94	36	0.312	52	0.16	0.05	1.14	0.24	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43785	CLUSTER	YES	120123.5		3.21	36.68	39.88	33080	Valve	18625.38	Valve	21271.8	36	0.312	52	0.15	0.05	15.95	3.65	5:51	335	971	699	649	0.48	1.09							1250	Unknown		
43795	CLUSTER	YES	120128.4		8.17	31.71	39.88	33080	Valve	18630.34	Valve	21266.84	36	0.312	52	0.15	0.05	2.60	0.38	6:43	335	1052	757	649	0.44	1.17							1250	Unknown		
43798	CLUSTER	YES	120128.7		8.48	31.4	39.88	33080	Valve	18630.65	Valve	21266.53	36	0.312	52	0.23	0.07	1.97	1.86	0.238889	335	1051	757	649	0.44	1.17							1250	Unknown		
43801	CLUSTER	YES	120132.8		12.55	27.34	39.88	33080	Valve	18634.72	Valve	21262.46	36	0.312	52	0.34	0.11	2.71	1.26	0.253472	335	1010	727	649	0.46	1.13							1250	Unknown		
43804	CLUSTER	YES	120134.1		13.86	26.03	39.88	33080	Valve	18636.03	Valve	21261.15	36	0.312	52	0.17	0.05	3.25	0.72	0.277083	335	1038	748	649	0.45	1.16							1250	Unknown		
43808	CLUSTER	YES	120136.4		16.17	23.72	39.88	33080	Valve	18638.34	Valve	21258.84	36	0.312	52	0.28	0.09	21.34	5.18	5:46	335	864	622	649	0.54	0.98							1250	Unknown		
43837	CLUSTER	YES	120142.3		22	17.88	39.88	33080	Valve	18644.17	Valve	21253.01	36	0.312	52	0.35	0.11	6.23	1.35	5:46	335	908	654	649	0.51	1.09							1250	Unknown		
43841	CLUSTER	YES	120147.7		27.39	12.49	39.88	33080	Valve	18649.56	Valve	21247.62	36	0.312	52	0.15	0.05	4.33	0.72	0.243056	335	1030	741	649	0.45	1.14							1250	Unknown		
43844	CLUSTER	YES	120150.4		30.18	9.7	39.88	33080	Valve	18652.35	Valve	21244.83	36	0.312	52	0.19	0.06	6.65	2.39	0.240278	335	987	711	649	0.47	1.11							1250	Unknown		
43849	CLUSTER	YES	120152.3		32.01	7.87	39.88	33080	Valve	18654.18	Valve	21243	36	0.312	52	0.45	0.14	9.14	4.81	0.240972	335	793	571	649	0.59	1.00							1250	Unknown		
43859	CLUSTER	YES	120153.4		33.09	6.79	39.88	33080	Valve	18655.26	Valve	21241.92	36	0.312	52	0.28	0.09	26.64	3.21	5:43	335	857	617	649	0.54	1.05							1250	Unknown		
43865	MELO-CORR	YES	120153.7		33.48	6.4	39.88	33080	Valve	18655.65	Valve	21241.53	36	0.312	52	0.15	0.05	1.18	0.51	6:15	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43869	MELO-CORR	YES	120154		33.76	6.12	39.88	33080	Valve	18655.93	Valve	21241.25	36	0.312	52	0.17	0.05	1.10	0.59	0.267361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
43883	MELO-CORR	YES	120155.7		35.44	4.45	39.88	33080	Valve	18657.61	Valve	21239.57	36	0.312	52	0.21	0.07	1.14	0.16	0.244444	335	1067	768	649	0.44	1.18							1598	Metal Loss		
43885	CLUSTER	YES	120158.8		38.49	1.39	39.88	33080	Valve	18660.66	Valve	21236.52	36	0.312	52	0.18	0.06	4.49	0.32	0.242361	335	1017	732	649	0.46	1.14							1250	Unknown		
43887	GirthWeld		120160.1		39.88	39.39	39.38	33090	Valve	18662.05	Valve	21235.13	36	0.312	52					12:51	335			649								1250	Unknown		
43888	GirthWeld		120199.5		39.39	39.74	39.74	33100	Valve	18701.44	Valve	21195.74	36	0.312	52					11:48	335			649								1250	Unknown		
43889	GirthWeld		120239.3		39.74	22.94	22.94	33110	Valve	18741.18	Valve	21156	36	0.312	52					0.051389	335			649								1250	Unknown		
43890	GirthWeld		120262.2		22.94	9.66	9.66	33120	Valve	18764.12	Valve	21133.06	36	0.312	52					0.481944	335			649								1250	Unknown		
43891	GirthWeld		120271.9		9.66	30.03	30.03	33130	Valve	18773.78	Valve	21123.4	36	0.312	52					0.363889	335			649								1250	Unknown		
43892	GirthWeld		120301.9		30.03	38.72	38.72	33140	Valve	18803.81	Valve	21093.37	36	0.312	52					9:50	335			649								1250	Unknown		
43894	CLUSTER	YES	120319.8		17.92	20.8	38.72	33140	Valve	18821.73	Valve	21075.45	36	0.312	52	0.27	0.08	15.67	2.23	5:54	335	884	637	649	0.53	1.08							1250	Unknown		
43904	MELO-CORR	YES	120321.3		19.35	19.37	38.72	33140	Valve	18823.16	Valve	21074.02	36	0.312	52	0.17	0.05	2.72	0.59	0.246528	335	1047	754	649	0.44	1.16							1598	Metal Loss		
43906	CLUSTER	YES	120322.6		20.66	18.06	38.72	33140	Valve	18824.47	Valve	21072.71	36	0.312	52	0.17	0.05	17.45	1.23	0.245833	335	954	687	649	0.49	1.08							1250	Unknown		
43916	CLUSTER	YES	120325.1		23.16	15.56	38.72	33140	Valve	18826.97	Valve	21070.21	36	0.312	52	0.19	0.06	9.74	2.42	0.244444	335	965	694	649	0.48	1.09							1250	Unknown		
43925	CLUSTER	YES	120327		25.07	13.65	38.72	33140	Valve	18828.88	Valve	21068.3	36	0.312	52	0.15	0.05	22.12	3.80	5:52	335	964	694	649	0.48	1.07							1250	Unknown		
43941	CLUSTER	YES	120329.8		27.87	10.85	38.72	33140	Valve	18831.68	Valve	21065.5	36	0.312	52	0.15	0.05	18.79	6.54	5:41	335	967	696	649	0.48	1.08							1250	Unknown		
43955	CLUSTER	YES	120332		30.08	8.64	38.72	33140	Valve	18833.89	Valve	21063.29	36	0.312	52	0.2	0.06	28.67	6.22	0.238889	335	920	662	649	0.51	1.07							1250	Unknown		
43979	CLUSTER	YES	120333.9		32.04	6.69	38.72	33140	Valve	18835.85	Valve	21061.33	36	0.312	52	0.16	0.05	11.38	2.55	0.254861	335	976	703	649	0.48	1.10							1250	Unknown		
43990	CLUSTER	YES	120334.5		32.63	6.09	38.72	33140	Valve	18836.44	Valve	21060.74	36	0.312	52	0.23	0.07	7.00	1.32	0.240278	335	963	693	649	0.48	1.12							1250	Unknown		
43997	MELO-CORR	YES	120335.2		33.33	5.4	38.72	33140	Valve	18837.14	Valve	21060.04	36	0.312	52	0.15	0.05	1.22	0.35	6:20	335	1069	769	649	0.44	1.19							1598	Metal Loss		
43999	CLUSTER	YES	120335.3		33.42	5.31	38.72	33140	Valve	18837.23	Valve	21059.95	36	0.312	52	0.26	0.08	54.40	7.07	5:45	335	853	614	649	0.55	1.07							1250	Unknown		
44038	GirthWeld		120340.6		38.72	39.21	39.21	33150	Valve	18842.53	Valve	21054.65	36	0.312	52					0.065972	335			649								1250	Unknown		
44040	CLUSTER	YES	120343.1		2.43	36.78	39.21	33150	Valve	18844.96	Valve	21052.22	36	0.312	52	0.21	0.07	5.38	0.57	0.239583	335	993	715	649	0.47	1.13							1250	Unknown		
44043	CLUSTER	YES	120344		3.41	35.81	39.21	33150	Valve	18845.94	Valve	21051.24	36	0.312	52	0.18	0.06	32.95	7.95	0.238194	335	933	671	649	0.50	1.07							1250	Unknown		
44047	MELO-CORR	YES	120344.3		3.63	35.59	39.21	33150	Valve	18846.15	Valve	21051.02	36	0.312	52	0.16	0.05	1.22	0.63	6:16	335	1068	769	649	0.44	1.19							1598	Metal Loss		
44070	CLUSTER	YES	120346.2		5.62	33.6	39.21	33150	Valve	18848.15	Valve	21049.03	36	0.312	52	0.17	0.05	11.03	3.05	5:40	335	971	699	649	0.48	1.10							1250	Unknown		
44082	CLUSTER	YES	120347.3		6.63	32.58	39.21	33150	Valve	18849.16	Valve	21048.02	36	0.312	52	0.19	0.06	15.47	8.07	0.230556	335	944	679	649	0.49	1.09							1250	Unknown		
44101	CLUSTER	YES	120348.8		8.14	31.07	39.21	33150	Valve	18850.67	Valve	21046.51	36	0.312	52	0.15	0.05	20.50	7.76	0.233333	335	965	695	649	0.48	1.08							1250	Unknown		
44104	CLUSTER	YES	120349		8.42	30.79	39.21	33150	Valve	18850.95	Valve	21046.23	36	0.312	52	0.2	0.06	4.44	1.20	0.228472	335	1011	728	649	0.46	1.14							1250	Unknown		
44129	CLUSTER	YES	120362		21.35	17.87	39.21	33150	Valve	18863.88	Valve	21033.3	36	0.312	52	0.18	0.06	4.63	0.63	6:32	335	1015	731	649	0.46	1.13							1250	Unknown		
44131	GirthWeld		120379.8		39.21	39.71	39.7	33160	Valve	18881.74	Valve	21015.44	36	0.312	52					2:26	335			649								1250	Unknown		
44132	GirthWeld		120419.5		39.71	38.59	38.59	33170	Valve	18921.45	Valve	20975.73	36	0.312	52					0.477778	335			649								1250	Unknown		
44133	GirthWeld		120458.1		38.59	32.24	32.24	33180	Valve	18960.04	Valve	20937.14	36	0.312	52					0.516667	335			649								1250	Unknown		
44134	GirthWeld		120490.4		32.23	40.68	40.68	33190	Valve	18992.27	Valve	20904.91	36	0.312	52					0.366667	335			649								1250	Unknown		
44135	GirthWeld		120531		40.68	39.69	39.69	33200	Valve	19032.95	Valve	20864.23	36	0.312	52					10:10	335			649								1250	Unknown		
44137	CLUSTER	YES	120559.1		28.07	11.62	39.69	33200	Valve	19061.02	Valve	20836.16	36	0.312	52	0.18	0.06	6.10	1.35	5:43	335	998	718	649	0.47	1.13							1250	Unknown		
44141	CLUSTER	YES	120562.3		31.28	8.41	39.69	33200	Valve	19064.23	Valve	20832.95	36	0.312	52	0.2	0.06	4.69	1.76	0.257639	335	1007	725	649	0.46	1.13							1250	Unknown		
44145	GirthWeld		120570.7		39.69	39.88	39.88	33210	Valve	19072.84	Valve	20824.54	36	0.312	52					0.175	335			649								1250	Unknown		
44146	MELO-CORR	YES	120574.3		3.52	36.35	39.88	33210	Valve	19076.16	Valve	20821.02	36	0.312	52	0.15	0.05	1.77	0.47	0.265278	335	1063	765	649	0.44	1.18							1598	Metal Loss		
44147	MELO-CORR	YES	120578.6		7.82	32.06	39.88	33210	Valve	19080.46	Valve	20816.72	36	0.312	52	0.15	0.05	1.18	0.20	6:10	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44148	MELO-CORR	YES	120579.5		8.77	31.11	39.88	33210	Valve	19081.41	Valve	20815.77	36	0.312	52	0.27	0.08	1.10	0.20	5:51	335	1064	766	649	0.44	1.18							1598	Metal Loss		
44150	CLUSTER	YES	120579.7		9.01	30.87	39.88	33210	Valve	19081.65	Valve	20815.53	36	0.312	52	0.3	0.09	8.48	0.79	0.245139	335	905	652	649	0.51	1.04							1250	Unknown		
44155	CLUSTER	YES	120585.6		14.87	25.01	39.88	33210	Valve	19087.51	Valve	20809.67	36	0.312	52	0.21	0.07	6.25	0.57	0.256944	335	982	707	649	0.47	1.08							1250	Unknown		
44159	CLUSTER	YES	120586.5		15.72	24.16	39.88	33210	Valve	19088.36	Valve	20808.82	36	0.312	52	0.15	0.05	3.71	0.54	0.257639	335	1037	747	649	0.45	1.15							1250	Unknown		
44162	CLUSTER	YES	120587.5		16.72	23.16	39.88	33210	Valve	19089.36	Valve	20807.82	36	0.312	52	0.19	0.06	14.11	2.92	5:54	335	947	682	649	0.49	1.08							1250	Unknown		
44172	CLUSTER	YES	120589.5		18.74	21.13	39.88	33210	Valve	19091.38	Valve	20805.8	36	0.312	52	0.18	0.06	14.41	2.29	6:03	335	953	686	649	0.49	1.08							1250	Unknown		
44180	GirthWeld		120610.6		39.88	39.75	39.75	33220	Valve	19112.52	Valve	20784.66	36	0.312	52					0.098611	335			649								1250	Unknown		
44181	MELO-CORR	YES	120647.3		36.69	3.05	39.75	33220	Valve	19149.21	Valve	20747.96	36	0.312	52	0.16	0.05	1.18	0.28	0.259722	335	1069	769	649	0.44	1.19							1598	Metal Loss		
44183	CLUSTER	YES	120647.9		37.32	2.43	39.75	33220	Valve	19149.84	Valve	20747.34	36	0.312	52	0.31	0.10	25.26	4.15	0.244444	335	834	601	649	0.56	1.05							1250	Unknown		
44198	GirthWeld		120650.4		39.75	40.07	40.07	33230	Valve	19152.27	Valve	20744.91	36	0.312	52					10:06	335			649								1250	Unknown		
44199	MELO-CORR	YES	120651.4		1.05	39.02	40.07	33230	Valve	19153.32	Valve	20743.86	36	0.312	52	0.15	0.05	1.14	0.16	5:56	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44201	CLUSTER	YES	120652.2		1.88	38.18	40.07	33230	Valve	19154.15	Valve	20743.03	36	0.312	52	0.2	0.06	4.18	1.89	0.25625	335	1015	731	649	0.46	1.14							1250	Unknown		
44205	MELO-CORR	YES	120653.1		2.73	37.33	40.07	33230	Valve	19155	Valve	20742.18	36	0.312	52	0.19	0.06	1.18	0.47	0.245833	335	1067	768	649	0.44	1.18							1598	Metal Loss		
44206	MELO-CORR	YES	120655.2		4.87	35.2	40.07	33230	Valve	19157.14	Valve	20740.04	36	0.312	52	0.24	0.08	1.22	0.67	0.261111	335	1064	766	649	0.44	1.18							1598	Metal Loss		
44208	CLUSTER	YES	120655.6		5.24	34.83	40.07	33230	Valve	19157.51	Valve	20739.67	36	0.312	52	0.22	0.07	13.21	2.77	6:12	335	929	669	649	0.50	1.09							1250	Unknown		
44219	CLUSTER	YES	120656.9		6.58	33.49	40.07	33230	Valve	19158.85	Valve	20738.33	36	0.312	52	0.2	0.06	7.00	1.26	6:13	335	979	705	649	0.48	1.12							1250	Unknown		
44223	CLUSTER	YES	120660.3		9.9	30.16	40.07	33230	Valve	19162.18	Valve	20735	36	0.312	52	0.18	0.06	19.86	2.01	0.25625	335	944	679	649	0.49	1.08							1250	Unknown		
44240	CLUSTER	YES	120662.1		11.75	28.32	40.07	33230	Valve	19164.02	Valve	20733.16	36	0.312	52	0.15	0.05	3.96	1.35	0.258333	335	1034	744	649	0.45	1.15							1250	Unknown		
44244	CLUSTER	YES	120663		12.66	27.41	40.07	33230	Valve	19164.93	Valve	20732.25	36	0.312	52	0.18	0.06	2.98	1.64	0.253472	335	1040	749	649	0.45	1.16							1250	Unknown		
44248	CLUSTER	YES	120663.4		13.04	27.02	40.07	33230	Valve	19165.32	Valve	20731.86	36	0.312	52	0.18	0.06	34.24	5.18	5:52	335	932	671	649	0.50	1.07							1250	Unknown		
44271	GirthWeld		120690.4		40.07	39.8	39.8	33240	Valve	19192.34	Valve	20704.84	36	0.312	52					8:32	335			649								1250	Unknown		
44272	MELO-CORR	YES	120691.5		1.05	38.75	39.8	33240	Valve	19193.39	Valve	20703.79	36	0.312	52	0.16	0.05	1.18	0.20	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
44273	GirthWeld		120730.2		39.8	39.86	39.87	33250	Valve	19232.14	Valve	20665.04	36	0.312	52					0.513889	335			649								1250	Unknown		
44274	GirthWeld		120770.1		39.86	39.83	39.83	33260	Valve	19272	Valve	20625.18	36	0.312	52					0.079167	335			649							

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
44358	GirthWeld		121162.9		39.34	39.71	39.71	33360	Valve	19664.81	Valve	20232.37	36	0.312	52					1:16	335			649									1250	Unknown		
44359	GirthWeld		121202.6		39.71	20.79	20.8	33370	Valve	19704.52	Valve	20192.66	36	0.312	52					2:24	335			649									1250	Unknown		
44360	GirthWeld		121223.4		20.79	17.96	17.96	33380	Valve	19725.31	Valve	20171.87	36	0.312	52					0.044444	335			649									1250	Unknown		
44361	GirthWeld		121241.4		17.96	39.64	39.64	33390	Valve	19743.27	Valve	20153.91	36	0.312	52					0.090278	335			649									1250	Unknown		
44363	CLUSTER	YES	121250.1		8.71	30.93	39.64	33390	Valve	19751.98	Valve	20145.2	36	0.312	52	0.27	0.08	3.38	2.17	0.253472	335	1009	727	649	0.46	1.15							1250	Unknown		
44367	CLUSTER	YES	121256.3		14.93	24.7	39.64	33390	Valve	19758.2	Valve	20138.98	36	0.312	52	0.24	0.08	4.91	2.39	6:03	335	987	711	649	0.47	1.10							1250	Unknown		
44372	CLUSTER	YES	121269.7		28.3	11.33	39.64	33390	Valve	19771.57	Valve	20125.61	36	0.312	52	0.15	0.05	8.64	3.99	5:45	335	994	716	649	0.47	1.10							1250	Unknown		
44379	MELO-CORR	YES	121276.4		35.08	4.56	39.64	33390	Valve	19778.35	Valve	20118.83	36	0.312	52	0.21	0.07	1.10	0.55	0.244444	335	1067	768	649	0.44	1.18							1598	Metal Loss		
44381	CLUSTER	YES	121277.4		36.05	3.58	39.64	33390	Valve	19779.32	Valve	20117.86	36	0.312	52	0.17	0.05	4.07	1.54	0.25625	335	1027	739	649	0.45	1.14							1250	Unknown		
44385	CLUSTER	YES	121279.3		37.96	1.68	39.64	33390	Valve	19781.23	Valve	20115.95	36	0.312	52	0.24	0.08	12.55	2.64	0.245833	335	917	660	649	0.51	1.08							1250	Unknown		
44395	GirthWeld		121281		39.64	39.49	39.49	33400	Valve	19782.91	Valve	20114.27	36	0.312	52					10:01	335			649									1250	Unknown		
44397	CLUSTER	YES	121289.3		8.29	31.19	39.49	33400	Valve	19791.2	Valve	20105.98	36	0.312	52	0.15	0.05	13.49	2.96	5:51	335	976	703	649	0.48	1.09							1250	Unknown		
44406	CLUSTER	YES	121291.3		10.31	29.18	39.49	33400	Valve	19793.22	Valve	20103.96	36	0.312	52	0.16	0.05	9.73	0.79	0.245139	335	983	708	649	0.47	1.11							1250	Unknown		
44409	MELO-CORR	YES	121294.6		13.64	25.85	39.49	33400	Valve	19796.55	Valve	20100.63	36	0.312	52	0.21	0.07	1.18	0.20	0.247222	335	1066	768	649	0.44	1.18							1598	Metal Loss		
44411	CLUSTER	YES	121296		14.99	24.5	39.49	33400	Valve	19797.9	Valve	20099.28	36	0.312	52	0.38	0.12	11.17	3.58	0.238194	335	824	594	649	0.56	1.00							1250	Unknown		
44420	CLUSTER	YES	121296.6		15.63	23.86	39.49	33400	Valve	19798.54	Valve	20098.64	36	0.312	52	0.21	0.07	12.01	1.73	6:13	335	940	677	649	0.49	1.07							1250	Unknown		
44429	CLUSTER	YES	121297.3		16.27	23.22	39.49	33400	Valve	19799.18	Valve	20098	36	0.312	52	0.39	0.12	13.08	4.59	5:46	335	804	579	649	0.58	1.07							1250	Unknown		
44440	MELO-CORR	YES	121298.5		17.45	22.04	39.49	33400	Valve	19800.36	Valve	20096.82	36	0.312	52	0.18	0.06	12.17	0.47	0.245833	335	1054	759	649	0.44	1.17							1598	Metal Loss		
44442	CLUSTER	YES	121299		18.02	21.47	39.49	33400	Valve	19800.93	Valve	20096.25	36	0.312	52	0.21	0.07	3.59	1.38	0.238889	335	1022	736	649	0.46	1.14							1250	Unknown		
44446	CLUSTER	YES	121299.3		18.25	21.24	39.49	33400	Valve	19801.16	Valve	20096.02	36	0.312	52	0.26	0.08	21.96	6.03	0.238194	335	879	633	649	0.53	1.02							1250	Unknown		
44472	CLUSTER	YES	121301.2		20.19	19.3	39.49	33400	Valve	19803.1	Valve	20094.08	36	0.312	52	0.31	0.10	26.60	4.18	5:43	335	833	600	649	0.56	1.04							1250	Unknown		
44481	CLUSTER	YES	121302.1		21.1	18.39	39.49	33400	Valve	19804.01	Valve	20093.17	36	0.312	52	0.25	0.08	8.76	0.66	6:08	335	934	672	649	0.50	1.08							1250	Unknown		
44498	CLUSTER	YES	121303.5		22.49	17	39.49	33400	Valve	19805.4	Valve	20091.78	36	0.312	52	0.18	0.06	4.68	1.10	0.261111	335	1015	731	649	0.46	1.13							1250	Unknown		
44502	CLUSTER	YES	121303.7		22.72	16.77	39.49	33400	Valve	19805.63	Valve	20091.55	36	0.312	52	0.2	0.06	3.78	0.44	0.24375	335	1022	736	649	0.46	1.15							1250	Unknown		
44505	CLUSTER	YES	121304		23	16.49	39.49	33400	Valve	19805.91	Valve	20091.27	36	0.312	52	0.18	0.06	5.95	0.63	0.255556	335	999	720	649	0.47	1.11							1250	Unknown		
44509	CLUSTER	YES	121304.2		23.21	16.28	39.49	33400	Valve	19806.12	Valve	20091.06	36	0.312	52	0.2	0.06	8.54	1.32	5:44	335	966	695	649	0.48	1.10							1250	Unknown		
44513	CLUSTER	YES	121304.6		23.64	15.85	39.49	33400	Valve	19806.55	Valve	20090.63	36	0.312	52	0.16	0.05	5.90	0.47	6:07	335	1009	726	649	0.46	1.13							1250	Unknown		
44518	CLUSTER	YES	121305.1		24.05	15.44	39.49	33400	Valve	19806.96	Valve	20090.22	36	0.312	52	0.19	0.06	7.69	1.07	0.243056	335	978	704	649	0.48	1.10							1250	Unknown		
44523	MELO-CORR	YES	121306.9		25.93	13.55	39.49	33400	Valve	19808.84	Valve	20088.34	36	0.312	52	0.16	0.05	2.48	0.67	0.254861	335	1052	757	649	0.44	1.17							1598	Metal Loss		
44525	CLUSTER	YES	121307.7		26.74	12.75	39.49	33400	Valve	19809.65	Valve	20087.53	36	0.312	52	0.16	0.05	14.04	2.80	0.254861	335	968	697	649	0.48	1.09							1250	Unknown		
44536	CLUSTER	YES	121309.4		28.37	11.11	39.49	33400	Valve	19811.28	Valve	20085.9	36	0.312	52	0.15	0.05	3.94	1.48	6:15	335	1034	745	649	0.45	1.14							1250	Unknown		
44541	CLUSTER	YES	121310.1		29.07	10.42	39.49	33400	Valve	19811.98	Valve	20085.2	36	0.312	52	0.18	0.06	7.75	4.18	5:53	335	983	708	649	0.47	1.10							1250	Unknown		
44546	CLUSTER	YES	121311		30.03	9.46	39.49	33400	Valve	19812.94	Valve	20084.24	36	0.312	52	0.24	0.08	2.52	1.95	0.259028	335	1037	747	649	0.45	1.16							1250	Unknown		
44550	CLUSTER	YES	121313.1		32.12	7.37	39.49	33400	Valve	19815.03	Valve	20082.15	36	0.312	52	0.22	0.07	8.35	2.48	0.255556	335	956	688	649	0.49	1.10							1250	Unknown		
44554	CLUSTER	YES	121313.4		32.4	7.08	39.49	33400	Valve	19815.31	Valve	20081.87	36	0.312	52	0.16	0.05	5.45	0.69	0.24375	335	1014	730	649	0.46	1.13							1250	Unknown		
44560	CLUSTER	YES	121314.3		33.3	6.18	39.49	33400	Valve	19816.21	Valve	20080.97	36	0.312	52	0.18	0.06	4.31	1.23	6:14	335	1020	734	649	0.46	1.13							1250	Unknown		
44565	CLUSTER	YES	121315.8		34.77	4.71	39.49	33400	Valve	19817.68	Valve	20079.49	36	0.312	52	0.15	0.05	3.62	2.42	6:06	335	1038	748	649	0.45	1.15							1250	Unknown		
44569	CLUSTER	YES	121317.7		36.68	2.81	39.49	33400	Valve	19819.59	Valve	20077.59	36	0.312	52	0.15	0.05	3.18	0.79	0.245833	335	1044	752	649	0.45	1.16							1250	Unknown		
44571	GirthWeld		121320.5		39.49	39.84	39.84	33410	Valve	19822.4	Valve	20074.78	36	0.312	52					0.5	335			649									1250	Unknown		
44573	CLUSTER	YES	121320.7		0.18	39.66	39.84	33410	Valve	19822.58	Valve	20074.6	36	0.312	52	0.19	0.06	6.28	2.64	0.257639	335	991	714	649	0.47	1.11							1250	Unknown		
44579	CLUSTER	YES	121322.6		2.09	37.74	39.84	33410	Valve	19824.49	Valve	20072.69	36	0.312	52	0.19	0.06	4.04	0.47	5:50	335	1020	735	649	0.46	1.15							1250	Unknown		
44582	CLUSTER	YES	121323.3		2.81	37.02	39.84	33410	Valve	19825.21	Valve	20071.97	36	0.312	52	0.27	0.08	9.00	0.85	5:51	335	919	662	649	0.51	1.04							1250	Unknown		
44586	CLUSTER	YES	121323.7		3.17	36.66	39.84	33410	Valve	19825.57	Valve	20071.61	36	0.312	52	0.24	0.08	1.18	0.97	0.261806	335	1065	767	649	0.44	1.18							1250	Unknown		
44590	CLUSTER	YES	121324		3.5	36.34	39.84	33410	Valve	19825.9	Valve	20071.28	36	0.312	52	0.16	0.05	8.42	1.29	0.258333	335	990	713	649	0.47	1.11							1250	Unknown		
44598	MELO-CORR	YES	121325.2		4.68	35.15	39.84	33410	Valve	19827.08	Valve	20070.1	36	0.312	52	0.15	0.05	1.14	0.35	0.257639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44599	MELO-CORR	YES	121326.8		6.34	33.49	39.84	33410	Valve	19828.74	Valve	20068.44	36	0.312	52	0.15	0.05	1.10	0.20	6:08	335	1070	770	649	0.43	1.19							1598	Metal Loss		
44600	MELO-CORR	YES	121327.8		7.29	32.54	39.84	33410	Valve	19829.69	Valve	20067.49	36	0.312	52	0.15	0.05	1.18	0.16	6:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44602	CLUSTER	YES	121328.5		8.01	31.83	39.84	33410	Valve	19830.41	Valve	20066.77	36	0.312	52	0.15	0.05	1.61	0.91	0.259028	335	1065	766	649	0.44	1.18							1250	Unknown		
44605	CLUSTER	YES	121328.9		8.41	31.42	39.84	33410	Valve	19830.81	Valve	20066.37	36	0.312	52	0.25	0.08	19.12	4.05	0.245833	335	891	642	649	0.52	1.05							1250	Unknown		
44619	CLUSTER	YES	121333.5		13.02	26.81	39.84	33410	Valve	19835.42	Valve	20061.76	36	0.312	52	0.18	0.06	8.11	2.23	0.244444	335	981	706	649	0.47	1.10							1250	Unknown		
44625	MELO-CORR	YES	121335.3		14.78	25.05	39.84	33410	Valve	19837.18	Valve	20060	36	0.312	52	0.16	0.05	1.22	0.16	5:56	335	1068	769	649	0.44	1.19							1598	Metal Loss		
44627	CLUSTER	YES	121335.7		15.22	24.62	39.84	33410	Valve	19837.62	Valve	20059.56	36	0.312	52	0.15	0.05	5.23	0.72	6:09	335	1020	734	649	0.46	1.13							1250	Unknown		
44631	CLUSTER	YES	121336.3		15.79	24.04	39.84	33410	Valve	19838.19	Valve	20058.99	36	0.312	52	0.19	0.06	23.72	2.11	0.254167	335	932	671	649	0.50	1.07							1250	Unknown		
44648	CLUSTER	YES	121338.8		18.28	21.55	39.84	33410	Valve	19840.68	Valve	20056.5	36	0.312	52	0.25	0.08	17.81	1.89	0.239583	335	894	644	649	0.52	1.05							1250	Unknown		
44650	CLUSTER	YES	121338.8		18.32	21.51	39.84	33410	Valve	19840.73	Valve	20056.45	36	0.312	52	0.18	0.06	8.70	1.70	0.259028	335	977	703	649	0.48	1.11							1250	Unknown		
44661	CLUSTER	YES	121340.7		20.22	19.62	39.84	33410	Valve	19842.62	Valve	20054.56	36	0.312	52	0.15	0.05	9.85	3.21	5:52	335	988	712	649	0.47	1.10							1250	Unknown		
44668	CLUSTER	YES	121341.7		21.24	18.59	39.84	33410	Valve	19843.64	Valve	20053.54	36	0.312	52	0.2	0.06	4.88	0.69	6:08	335	1004	723	649	0.46	1.12							1250	Unknown		
44672	CLUSTER	YES	121342.4		21.9	17.94	39.84	33410	Valve	19844.3	Valve	20052.88	36	0.312	52	0.15	0.05	5.27	0.63	0.254861	335	1019	734	649	0.46	1.14							1250	Unknown		
44676	CLUSTER	YES	121343.9		23.4	16.43	39.84	33410	Valve	19845.8	Valve	20051.38	36	0.312	52	0.16	0.05	4.87	2.04	0.248611	335	1020	734	649	0.46	1.14							1250	Unknown		
44680	CLUSTER	YES	121347.3		26.82	13.01	39.84	33410	Valve	19849.22	Valve	20047.96	36	0.312	52	0.18	0.06	8.74	1.01	0.245139	335	976	703	649	0.48	1.09							1250	Unknown		
44686	CLUSTER	YES	121349.3		28.76	11.08	39.84	33410	Valve	19851.16	Valve	20046.02	36	0.312	52	0.15	0.05	4.80	0.94	5:54	335	1024	737	649	0.45	1.14							1250	Unknown		
44689	CLUSTER	YES	121352.1		31.57	8.26	39.84	33410	Valve	19853.97	Valve	20043.21	36	0.312	52	0.15	0.05	4.78	0.63	5:52	335	1025	738	649	0.45	1.14							1250	Unknown		
44693	CLUSTER	YES	121353.9		33.44	6.4	39.84	33410	Valve	19855.84	Valve	20041.34	36	0.312	52	0.15	0.05	3.90	0.72	0.254861	335	1035	745	649	0.45	1.15							1250	Unknown		
44694	MELO-CORR	YES	121358.1		37.56	2.28	39.84	33410	Valve	19859.96	Valve	20037.22	36	0.312	52	0.19	0.06	1.14	0.24	0.244444	335	1067	769	649	0.44	1.18							1598	Metal Loss		
44695	MELO-CORR	YES	121359.1		38.6	1.24	39.84	33410	Valve	19861	Valve	20036.18	36	0.312	52	0.17	0.05	1.22	0.35	0.243056	335	1068	769	649	0.44	1.18							1598	Metal Loss		
44696	GirthWeld		121360.3		39.84	39.65	39.65	33420	Valve	19862.24	Valve	20034.94	36	0.312	52					2:14	335			649									1250	Unknown		
44698	CLUSTER	YES	121360.7		0.32	39.32	39.65	33420	Valve	19862.56	Valve	20034.62	36	0.312	52	0.17	0.05	12.16	0.82	5:52	335	967	696	649	0.48	1.09							1250	Unknown		
44704	CLUSTER	YES	121361.4		1.09	38.55	39.65	33420	Valve	19863.33	Valve	20033.85	36	0.312	52	0.15	0.05	5.74	1.51	0.25625	335	1015	731	649	0.46	1.13							1250	Unknown		
44709	CLUSTER	YES	121362		1.69	37.96	39.65	33420	Valve	19863.93	Valve	20033.25	36	0.312	52	0.22	0.07	3.20	0.47	0.24375	335	1027	740	649	0.45	1.15							1250	Unknown		
44712	CLUSTER	YES	121362.3		2.01	37.64	39.65	33420	Valve	19864.25	Valve	20032.93	36	0.312	52	0.16	0.05	14.20	1.82	0.254861	335	968	697	649	0.48	1.09							1250	Unknown		
44717	CLUSTER	YES	121362.7		2.4	37.25	39.65	33420	Valve	19864.64	Valve	20032.54	36	0.312	52	0.15	0.05	2.16	0.60	5:47	335	1058	762	649	0.44	1.17							1250	Unknown		
44726	CLUSTER	YES	121364.1		3.76	35.88	39.65	33420	Valve	19866	Valve	20031.18	36	0.312	52	0.18	0.06	15.07	4.15	5:45	335	952	685	649	0.49	1.09							1250	Unknown		
44729	CLUSTER	YES	121364.2		3.88	35.77	39.65	33420	Valve	19866.12	Valve	20031.06	36	0.312	52	0.23	0.07	2.36	0.44	0.255556	335	1043	751	649	0.45	1.16							1250	Unknown		
44738	CLUSTER	YES	121365.6		5.23	34.42	39.65	33420	Valve	19867.47	Valve	20029.71	36	0.312	52	0.15	0.05	6.53	2.96	0.245833	335	995	716	649	0.47	1.11							1250	Unknown		
44744	CLUSTER	YES	121366.4		6.06	33.59	39.65	33420	Valve	19868.3	Valve	20028.88	36	0.312	52	0.2	0.06	16.43	2.92	0.24375	335	934	673	649	0.50	1.08							1250	Unknown		
44751	CLUSTER	YES	121367.6		7.25	32.39	39.65	33420	Valve	19869.49	Valve	20027.69	36	0.312	52	0.17	0.05	6.31	1.45	6:10	335	1001	720	649	0.47	1.12							1250	Unknown		
44756	MELO-CORR	YES	121368.5		8.13	31.51	39.65	33420	Valve	19870.37	Valve	20026.81	36	0.312	52	0.18	0.06	1.02	0.43	5:50	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44758	CLUSTER	YES	121369.2		8.9	30.75	39.65	33420	Valve	19871.14	Valve	20026.04	36	0.312	52	0.22	0.07	12.84	3.55	0.24375	335	930	670	649	0.50	1.08							1250	Unknown		
44767	CLUSTER	YES	121371.8		11.42	28.23	39.65	33420	Valve	19873.66	Valve	20023.52	36	0.312	52	0.29	0.09	10.36	3.30	0.244444	335	895	645	649	0.52	1.07							1250	Unknown		
44776	MELO-CORR	YES	121372.6		12.22	27.43	39.65	33420	Valve	19874.46	Valve	20022.72	36	0.312	52	0.2	0.06	1.14	0.35	0.244444	335	1067	768	649	0.44	1.18							1598	Metal Loss		
44777	MELO-CORR	YES	121379.1		18.8	20.84	39.65	33420	Valve	19881.04	Valve	20016.14	36	0.312	52	0.16	0.05	2.28	0.98	5:56	335	1055	760	649	0.44	1.17							1598	Metal Loss		
44778	MELO-CORR	YES	121379.5		19.19	20.46	39.65	33420	Valve	19881.43	Valve	20015.75	36	0.312	52	0.17	0.05	1.06	0.39	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
44779	MELO-CORR	YES	121395.6		35.28	4.36	39.65	33420	Valve	19897.52	Valve	19999.66	36	0.312	52	0.17	0.05	2.84	0.59	0.244444	335	1045	752	649	0.45	1.16							1598	Metal Loss		
44781	CLUSTER	YES	121396.7		36.34	3.3	39.65	33420	Valve	19898.58	Valve	19998.6	36	0.312	52	0.19	0.06	7.74	2.73	0.244444	335	978	704	649	0.48	1.10							1250	Unknown		
44785	GirthWeld		121400		39.65	39.8	39.81	33430	Valve	19901.89	Valve	19995.29	36	0.312	52					0.054167	335			649									1250	Unknown		
44787	CLUSTER	YES	121400.2		0.18	39.63	39.81	33430	Valve	19902.07	Valve	19995.11	36	0.312	52	0.22	0.07	5.81	2.39	5:52	335	982	707	649	0.47	1.11							1250	Unknown		
44791	GirthWeld		121439.8		39.8	39.84	39.84	33440	Valve	19941.69	Valve	19955.49	36	0.312	52					10:50	335			649									1250	Unknown		
44793	CLUSTER	YES	121448.2		8.38	31.46	39.84	33440	Valve	19950.07	Valve	19947.11	36	0.312	52	0.17	0.05	3.90	1.04	0.240972	335	1029	741	649	0.45	1.15							1250	Unknown		
44796	CLUSTER	YES	121452.6		12.76	27.07	39.84	33440	Valve	19954.46	Valve	19942.72	36	0.312	52	0.25	0.08	11.58	2.39	0.245833	335	915	659	649	0.51	1.05							1250	Unknown		
44807	CLUSTER	YES	121453.6		13.82	26.02	39.84	33440	Valve	19955.51	Valve	19941.67	36	0.312	52	0.27	0.08	2.18	0.91	0.249306	335	1041	749	649	0.45	1.15							1250	Unknown		
44810	CLUSTER	YES	121454.4		14.57	25.27	39.84	33440	Valve	19956.26	Valve	19940.92	36	0.312	52	0.25	0.08	5.51	1.35	5:56	335	973	700	649	0.48	1.11							1250	Unknown		
44814	MELO-CORR	YES	121455.5		15.7	24.14	39.84	33440	Valve	19957.39	Valve	19939.79	36	0.312	52	0.24	0.08	1.18	0.47	5:56	335	1065	766	649	0.44	1.18							1598	Metal Loss		
44815	MELO-CORR	YES	121456.1		16.27	23.57	39.84	33440	Valve	19957.96	Valve	19939.22	36	0.312	52	0.24	0.08	2.68	0.51	0.247222	335	1034	744	649	0.45	1.15							1598	Metal Loss		
44817	CLUSTER	YES	121471.1		31.33	8.51	39.84	33440	Valve	19973.02	Valve	19924.16	36	0.312	52	0.26	0.08	13.98	2.89	0.242361	335	897	646	649	0.52	1.05							1250	Unknown		
44826	CLUSTER	YES	121472.4		32.6	7.24	39.84	33440	Valve	19974.29	Valve	19922.89	36	0.312	52	0.16	0.05	14.86	4.56	0.238889	335	966	696	649	0.48	1.08							1250	Unknown		
44837	CLUSTER	YES	121474.4		34.59	5.25	39.84	33440	Valve	19976.28	Valve	19920.9	36	0.312	52	0.17	0.05	3.94	1.23	5:43	335	1028	740	649	0.45	1.14							1250	Unknown		
44839	MELO-CORR	YES	121477.3		37.56	2.28	39.84	33440	Valve	19979.25	Valve	19917.93	36	0.312	52	0.34	0.11	4.02	0.71	5:51	335	967	696	649	0.48	1.09							1598	Metal Loss		
44841	CLUSTER	YES	121477.8		37.98	1.86	39.84

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
45006	GirthWeld		121519.4		39.76	39.35	39.34	33460	Valve	20021.29	Valve	19875.88	36	0.312	52					3:53	335			649									1250	Unknown		
45007	MELO-CORR	YES	121520.2		0.85	38.49	39.34	33460	Valve	20022.15	Valve	19875.03	36	0.312	52	0.22	0.07	1.18	0.43	6:05	335	1066	767	649	0.44	1.18							1598	Metal Loss		
45009	CLUSTER	YES	121520.6		1.25	38.1	39.34	33460	Valve	20022.54	Valve	19874.64	36	0.312	52	0.42	0.13	12.67	3.46	0.24375	335	783	564	649	0.59	1.03							1250	Unknown		
45017	CLUSTER	YES	121521.9		2.5	36.85	39.34	33460	Valve	20023.79	Valve	19873.39	36	0.312	52	0.28	0.09	11.68	4.34	0.245139	335	893	643	649	0.52	1.05							1250	Unknown		
45027	CLUSTER	YES	121522.9		3.56	35.79	39.34	33460	Valve	20024.85	Valve	19872.33	36	0.312	52	0.23	0.07	7.93	3.05	0.243056	335	954	687	649	0.49	1.09							1250	Unknown		
45034	CLUSTER	YES	121524		4.58	34.77	39.34	33460	Valve	20025.87	Valve	19871.31	36	0.312	52	0.25	0.08	18.31	2.77	5:54	335	893	643	649	0.52	1.03							1250	Unknown		
45046	CLUSTER	YES	121525.6		6.25	33.1	39.34	33460	Valve	20027.54	Valve	19869.64	36	0.312	52	0.25	0.08	6.06	2.33	5:55	335	964	694	649	0.48	1.11							1250	Unknown		
45051	CLUSTER	YES	121526.8		7.42	31.93	39.34	33460	Valve	20028.71	Valve	19868.47	36	0.312	52	0.24	0.08	18.34	3.96	0.245833	335	900	648	649	0.52	1.07							1250	Unknown		
45063	CLUSTER	YES	121528.7		9.3	30.05	39.34	33460	Valve	20030.59	Valve	19866.59	36	0.312	52	0.27	0.08	5.68	2.45	0.247222	335	961	692	649	0.48	1.12							1250	Unknown		
45067	MELO-CORR	YES	121535.2		15.79	23.56	39.34	33460	Valve	20037.08	Valve	19860.1	36	0.312	52	0.18	0.06	1.18	0.20	0.24375	335	1068	769	649	0.44	1.18							1598	Metal Loss		
45068	GirthWeld		121558.7		39.35	39.79	39.79	33470	Valve	20060.64	Valve	19836.54	36	0.312	52					2:38	335			649									1250	Unknown		
45069	GirthWeld		121598.5		39.79	39.37	39.37	33480	Valve	20100.43	Valve	19796.75	36	0.312	52					8:39	335			649									1250	Unknown		
45071	CLUSTER	YES	121614.2		15.68	23.7	39.37	33480	Valve	20116.11	Valve	19781.07	36	0.312	52	0.18	0.06	8.36	0.66	0.245139	335	979	705	649	0.48	1.09							1250	Unknown		
45076	CLUSTER	YES	121620.1		21.57	17.8	39.37	33480	Valve	20122.01	Valve	19775.17	36	0.312	52	0.17	0.05	12.88	0.82	0.244444	335	965	695	649	0.48	1.09							1250	Unknown		
45081	MELO-CORR	YES	121622.7		24.13	15.24	39.37	33480	Valve	20124.56	Valve	19772.62	36	0.312	52	0.2	0.06	1.14	0.20	0.245833	335	1067	768	649	0.44	1.18							1598	Metal Loss		
45082	GirthWeld		121637.9		39.37	39.76	39.76	33490	Valve	20139.8	Valve	19757.38	36	0.312	52					10:26	335			649									1250	Unknown		
45084	CLUSTER	YES	121675.6		37.69	2.08	39.76	33490	Valve	20177.49	Valve	19719.69	36	0.312	52	0.16	0.05	7.69	1.01	6:05	335	995	716	649	0.47	1.11							1250	Unknown		
45087	GirthWeld		121677.7		39.76	40.01	40.01	33500	Valve	20179.56	Valve	19717.62	36	0.312	52					0.102083	335			649									1250	Unknown		
45089	CLUSTER	YES	121677.9		0.2	39.81	40.01	33500	Valve	20179.76	Valve	19717.42	36	0.312	52	0.17	0.05	9.20	0.85	0.243056	335	980	705	649	0.48	1.10							1250	Unknown		
45094	CLUSTER	YES	121679.1		1.42	38.59	40.01	33500	Valve	20180.98	Valve	19716.2	36	0.312	52	0.31	0.10	8.72	2.83	0.243056	335	896	645	649	0.52	1.09							1250	Unknown		
45100	CLUSTER	YES	121682.6		4.93	35.07	40.01	33500	Valve	20184.49	Valve	19712.69	36	0.312	52	0.15	0.05	5.88	2.58	5:49	335	1014	730	649	0.46	1.12							1250	Unknown		
45102	MELO-CORR	YES	121683.5		5.86	34.15	40.01	33500	Valve	20185.42	Valve	19711.76	36	0.312	52	0.15	0.05	1.22	0.35	6:06	335	1069	769	649	0.44	1.19							1598	Metal Loss		
45104	CLUSTER	YES	121684		6.38	33.63	40.01	33500	Valve	20185.94	Valve	19711.24	36	0.312	52	0.16	0.05	6.18	0.63	0.252778	335	1006	725	649	0.46	1.12							1250	Unknown		
45108	CLUSTER	YES	121686.3		8.61	31.4	40.01	33500	Valve	20188.17	Valve	19709.01	36	0.312	52	0.18	0.06	10.55	2.67	0.24375	335	967	696	649	0.48	1.09							1250	Unknown		
45115	CLUSTER	YES	121690.4		12.74	27.27	40.01	33500	Valve	20192.3	Valve	19704.88	36	0.312	52	0.17	0.05	4.57	1.29	0.257639	335	1020	734	649	0.46	1.14							1250	Unknown		
45119	CLUSTER	YES	121691.9		14.21	25.8	40.01	33500	Valve	20193.76	Valve	19703.41	36	0.312	52	0.23	0.07	15.24	2.26	6:05	335	915	659	649	0.51	1.09							1250	Unknown		
45130	CLUSTER	YES	121694.1		16.47	23.54	40.01	33500	Valve	20196.03	Valve	19701.15	36	0.312	52	0.15	0.05	19.28	3.61	5:50	335	967	696	649	0.48	1.08							1250	Unknown		
45144	CLUSTER	YES	121704.5		26.84	13.17	40.01	33500	Valve	20206.4	Valve	19690.78	36	0.312	52	0.15	0.05	15.82	3.46	0.25625	335	972	700	649	0.48	1.09							1250	Unknown		
45150	GirthWeld		121717.7		40.01	38.33	38.33	33510	Valve	20219.57	Valve	19677.61	36	0.312	52					0.158333	335			649									1250	Unknown		
45152	CLUSTER	YES	121719.8		2.13	36.2	38.33	33510	Valve	20221.7	Valve	19675.48	36	0.312	52	0.17	0.05	6.32	0.54	0.243056	335	1000	720	649	0.47	1.11							1250	Unknown		
45156	CLUSTER	YES	121722.4		4.7	33.63	38.33	33510	Valve	20224.27	Valve	19672.91	36	0.312	52	0.26	0.08	6.54	0.60	5:51	335	952	686	649	0.49	1.10							1250	Unknown		
45161	GirthWeld		121756		38.33	39.77	39.78	33520	Valve	20257.9	Valve	19639.28	36	0.312	52					11:52	335			649									1250	Unknown		
45162	GirthWeld		121795.8		39.77	39.1	39.1	33530	Valve	20297.67	Valve	19599.51	36	0.312	52					0.444444	335			649									1250	Unknown		
45163	GirthWeld		121834.9		39.1	38.95	38.95	33540	Valve	20336.77	Valve	19560.41	36	0.312	52					0.126389	335			649									1250	Unknown		
45164	GirthWeld		121873.8		38.95	34.1	34.1	33550	Valve	20375.72	Valve	19521.46	36	0.312	52					0.05	335			649									1250	Unknown		
45165	GirthWeld		121907.9		34.1	39.83	39.83	33560	Valve	20409.82	Valve	19487.35	36	0.312	52					12:20	335			649									1250	Unknown		
45166	GirthWeld		121947.7		39.83	38.51	38.51	33570	Valve	20449.65	Valve	19447.53	36	0.312	52					10:54	335			649									1250	Unknown		
45167	GirthWeld		121986.3		38.51	39.02	39.02	33580	Valve	20488.16	Valve	19409.02	36	0.312	52					0.041667	335			649									1250	Unknown		
45169	CLUSTER	YES	121998.2		11.98	27.04	39.02	33580	Valve	20500.14	Valve	19397.04	36	0.312	52	0.16	0.05	1.82	0.41	0.2625	335	1061	764	649	0.44	1.18							1250	Unknown		
45171	MELO-CORR	YES	122007		20.79	18.23	39.02	33580	Valve	20508.95	Valve	19388.23	36	0.312	52	0.16	0.05	1.77	0.39	0.254167	335	1062	764	649	0.44	1.18							1598	Metal Loss		
45172	MELO-CORR	YES	122015.4		29.16	9.86	39.02	33580	Valve	20517.32	Valve	19379.86	36	0.312	52	0.25	0.08	1.18	0.24	6:22	335	1064	766	649	0.44	1.18							1598	Metal Loss		
45173	GirthWeld		122025.3		39.02	38.09	38.09	33590	Valve	20527.18	Valve	19370	36	0.312	52					2:30	335			649									1250	Unknown		
45174	GirthWeld		122063.4		38.09	34.8	34.79	33600	Valve	20565.27	Valve	19331.91	36	0.312	52					0.516667	335			649									1250	Unknown		
45175	GirthWeld		122098.2		34.79	28.85	28.85	33610	Valve	20600.07	Valve	19297.11	36	0.312	52					0.491667	335			649									1250	Unknown		
45176	GirthWeld		122127		28.85	38.95	38.95	33620	Valve	20628.92	Valve	19268.26	36	0.312	52					0.101389	335			649									1250	Unknown		
45177	GirthWeld		122166		38.95	39.91	39.91	33630	Valve	20667.87	Valve	19229.31	36	0.312	52					3:56	335			649									1250	Unknown		
45178	GirthWeld		122205.9		39.91	31.87	31.87	33640	Valve	20707.78	Valve	19189.4	36	0.312	52					9:36	335			649									1250	Unknown		
45179	MELO-CORR	YES	122207.5		1.66	30.21	31.87	33640	Valve	20709.44	Valve	19187.74	36	0.312	52	0.19	0.06	1.22	0.20	0.251389	335	1067	768	649	0.44	1.18							1598	Metal Loss		
45181	CLUSTER	YES	122219.5		13.63	18.24	31.87	33640	Valve	20721.41	Valve	19175.77	36	0.312	52	0.2	0.06	1.84	1.13	0.256944	335	1057	761	649	0.44	1.17							1250	Unknown		
45183	MELO-CORR	YES	122219.6		13.76	18.11	31.87	33640	Valve	20721.54	Valve	19175.64	36	0.312	52	0.24	0.08	2.91	0.63	0.24375	335	1028	740	649	0.45	1.14							1598	Metal Loss		
45185	CLUSTER	YES	122220		14.15	17.72	31.87	33640	Valve	20721.93	Valve	19175.25	36	0.312	52	0.15	0.05	7.06	0.63	5:47	335	1004	723	649	0.46	1.12							1250	Unknown		
45189	CLUSTER	YES	122223.1		17.22	14.65	31.87	33640	Valve	20725	Valve	19172.18	36	0.312	52	0.25	0.08	20.74	2.42	6:07	335	888	640	649	0.52	1.05							1250	Unknown		
45198	CLUSTER	YES	122223.6		17.73	14.13	31.87	33640	Valve	20725.51	Valve	19171.67	36	0.312	52	0.32	0.10	13.64	1.32	0.238194	335	854	615	649	0.54	1.06							1250	Unknown		
45226	CLUSTER	YES	122224.9		19	12.87	31.87	33640	Valve	20726.78	Valve	19170.4	36	0.312	52	0.33	0.10	17.41	6.38	0.2375	335	833	600	649	0.56	1.05							1250	Unknown		
45248	CLUSTER	YES	122225.9		20.05	11.82	31.87	33640	Valve	20727.83	Valve	19169.35	36	0.312	52	0.18	0.06	18.67	6.16	0.2375	335	945	681	649	0.49	1.07							1250	Unknown		
45266	CLUSTER	YES	122227.7		21.82	10.05	31.87	33640	Valve	20729.6	Valve	19167.58	36	0.312	52	0.23	0.07	27.72	6.98	5:42	335	897	646	649	0.52	1.05							1250	Unknown		
45270	CLUSTER	YES	122228.1		22.27	9.59	31.87	33640	Valve	20730.05	Valve	19167.13	36	0.312	52	0.18	0.06	10.51	0.82	6:41	335	967	696	649	0.48	1.10							1250	Unknown		
45298	CLUSTER	YES	122229.8		23.97	7.9	31.87	33640	Valve	20731.75	Valve	19165.43	36	0.312	52	0.15	0.05	2.70	0.57	0.278472	335	1050	756	649	0.44	1.17							1250	Unknown		
45302	CLUSTER	YES	122234.9		29.07	2.8	31.87	33640	Valve	20736.85	Valve	19160.33	36	0.312	52	0.16	0.05	9.97	0.63	0.253472	335	982	707	649	0.47	1.10							1250	Unknown		
45307	CLUSTER	YES	122236.5		30.59	1.28	31.87	33640	Valve	20738.37	Valve	19158.81	36	0.312	52	0.15	0.05	13.31	1.89	0.255556	335	977	703	649	0.48	1.10							1250	Unknown		
45315	GirthWeld		122237.7		31.87	40.04	40.04	33650	Valve	20739.65	Valve	19157.53	36	0.312	52					11:04	335			649									1250	Unknown		
45317	CLUSTER	YES	122255.4		17.65	22.38	40.04	33650	Valve	20757.3	Valve	19139.88	36	0.312	52	0.2	0.06	12.60	1.16	5:48	335	945	680	649	0.49	1.08							1250	Unknown		
45323	CLUSTER	YES	122260.9		23.13	16.91	40.04	33650	Valve	20762.78	Valve	19134.4	36	0.312	52	0.17	0.05	9.14	0.60	0.241667	335	980	706	649	0.47	1.10							1250	Unknown		
45330	CLUSTER	YES	122261.8		24.08	15.96	40.04	33650	Valve	20763.73	Valve	19133.45	36	0.312	52	0.23	0.07	15.60	1.86	0.25625	335	914	658	649	0.51	1.06							1250	Unknown		
45340	CLUSTER	YES	122263.9		26.13	13.9	40.04	33650	Valve	20765.78	Valve	19131.4	36	0.312	52	0.17	0.05	4.03	0.85	0.259028	335	1027	740	649	0.45	1.15							1250	Unknown		
45344	CLUSTER	YES	122264.8		27.06	12.98	40.04	33650	Valve	20766.71	Valve	19130.47	36	0.312	52	0.18	0.06	7.73	0.57	5:48	335	983	708	649	0.47	1.10							1250	Unknown		
45347	GirthWeld		122277.8		40.03	39.47	39.46	33660	Valve	20779.68	Valve	19117.5	36	0.312	52					2:52	335			649									1250	Unknown		
45348	GirthWeld		122317.2		39.47	39.88	39.88	33670	Valve	20819.15	Valve	19078.03	36	0.312	52					0.172222	335			649									1250	Unknown		
45349	GirthWeld		122357.1		39.88	29.69	29.7	33680	Valve	20859.03	Valve	19038.15	36	0.312	52					0.111111	335			649									1250	Unknown		
45350	GirthWeld		122386.8		29.69	39.03	39.03	33690	Valve	20888.72	Valve	19008.46	36	0.312	52					0.052778	335			649									1250	Unknown		
45351	GirthWeld		122425.8		39.03	39.9	39.9	33700	Valve	20927.75	Valve	18969.43	36	0.312	52					9:50	335			649									1250	Unknown		
45352	GirthWeld		122465.7		39.9	39.85	39.85	33710	Valve	20967.65	Valve	18929.53	36	0.312	52					10:38	335			649									1250	Unknown		
45353	GirthWeld		122505.6		39.85	39.04	39.04	33720	Valve	21007.5	Valve	18889.68	36	0.312	52					0.079861	335			649									1250	Unknown		
45355	CLUSTER	YES	122528.4		22.81	16.22	39.04	33720	Valve	21030.31	Valve	18866.87	36	0.312	52	0.17	0.05	11.40	0.66	0.242361	335	969	698	649	0.48	1.09							1250	Unknown		
45361	CLUSTER	YES	122530.6		25	14.04	39.04	33720	Valve	21032.5	Valve	18864.68	36	0.312	52	0.19	0.06	2.94	0.63	0.243056	335	1039	748	649	0.45	1.15							1250	Unknown		
45364	CLUSTER	YES	122531.4		25.77	13.27	39.04	33720	Valve	21033.27	Valve	18863.91	36	0.312	52	0.18	0.06	3.77	0.28	5:49	335	1028	740	649	0.45	1.15							1250	Unknown		
45367	CLUSTER	YES	122532		26.36	12.68	39.04	33720	Valve	21033.86	Valve	18863.32	36	0.312	52	0.2	0.06	3.80	0.47	5:49	335	1021	735	649	0.46	1.14							1250	Unknown		
45370	CLUSTER	YES	122536.1		30.46	8.58	39.04	33720	Valve	21037.96	Valve	18859.22	36	0.312	52	0.15	0.05	13.91	5.15	0.252778	335	976	702	649	0.48	1.09							1250	Unknown		
45382	CLUSTER	YES	122543.9		38.34	0.7	39.04	33720	Valve	21045.84	Valve	18851.34	36	0.312	52	0.2	0.06	4.79	0.76	0.254167	335	1005	724	649	0.46	1.13							1250	Unknown		
45385	GirthWeld		122544.6		39.04	37.98	37.98	33730	Valve	21046.54	Valve	18850.64	36	0.312	52					0.15625	335			649									1250	Unknown		
45387	CLUSTER	YES	122552.3		7.68	30.3	37.98	33730	Valve	21054.22	Valve	18842.96	36	0.312	52	0.17	0.05	16.40	3.71	6:27	335	956	688	649	0.49	1.09							1250	Unknown		
45395	MELO-CORR	YES	122553.3		8.66	29.31	37.98	33730	Valve	21055.2	Valve	18841.98	36	0.312	52	0.15	0.05	1.10	0.47	5:31	335	1070	770	649	0.43	1.19							1598	Metal Loss		
45397	MELO-CORR	YES	122554.4		9.79	28.19	37.98	33730	Valve	21056.33	Valve	18840.85	36	0.312	52	0.19	0.06	1.14	0.16	0.229861	335	1068	769	649	0.44	1.18							1598	Metal Loss		
45399	CLUSTER	YES	122555.2		10.55	27.43	37.98	33730	Valve	21057.09	Valve	18840.09	36	0.312	52	0.17	0.05	10.03	3.55	0.245833	335	975	702	649	0.48	1.10							1250	Unknown		
45407	CLUSTER	YES	122556.1		11.42	26.56	37.98	33730	Valve	21057.96	Valve	18839.22	36	0.312	52	0.2	0.06	2.76	2.64	0.245833	335	1040	749	649	0.45	1.16							1250	Unknown		
45411	CLUSTER	YES	122556.6		11.97	26.01	37.98	33730	Valve	21058.51	Valve	18838.67	36	0.312	52	0.17	0.05	4.49	2.92	5:15	335	1021	735	649	0.46	1.14							1250	Unknown		
45415	MELO-CORR	YES	122557.7		13.06	24.92	37.98	33730	Valve	21059.6	Valve	18837.58	36	0.312	52	0.22	0.07	1.14	0.20	5:53	335	1066	768	649	0.44	1.18							1598	Metal Loss		
45417	CLUSTER	YES	122558.3		13.64	24.33	37.98	33730	Valve	21060.18	Valve	18837	36	0.312	52	0.18	0.06	9.16	4.53	0.255556	335	974	701	649	0.48	1.11							1250	Unknown		
45423	CLUSTER	YES	122559.3		14.71	23.26	37.98	33730	Valve	21061.25	Valve	18835.93	36	0.312	52	0.17	0.05	21.08	4.71	0.2375	335	950	684	649	0.49	1.08							1250	Unknown		
45433	MELO-CORR	YES	122560.1		15.46	22.52	37.98	33730	Valve	21062	Valve	18835.18	36	0.312	52	0.17	0.05	1.22	0.47	0.265278	335	1068	769	649	0.44	1.18							1598	Metal Loss		
45440	CLUSTER	YES	122560.8		16.14	21.84	37.98	33730	Valve	21062.68	Valve	18834.5	36	0.312	52	0.18	0.06	3.29	1.26	6:27	335	1035	745	649	0.45	1.16							1250	Unknown		
45444	CLUSTER	YES	122567.1		22.45	15.53	37.98	33730	Valve	21068.99	Valve	18828.19	36	0.312	52	0.18	0.06	3.54	1.45	6:13	335	1031	743	649	0.45	1.15							1250	Unknown		
45448	CLUSTER	YES	122572.4		27.72	10.25	37.98	33730	Valve	21074.26	Valve	18822.92	36	0.312	52	0.16	0.05	2.33	0.85	0.2375	335	1054	759	649	0.44	1.17							1250	Unknown		
45451	CLUSTER	YES	122575.9		31.29	6.68	37.98	33730	Valve	21077.83	Valve	18819.35	36	0.312	52	0.16	0.05	10.96	2.04	0.252083	335	978	704	649	0.48	1.10							1250	Unknown		
45459	CLUSTER	YES	122580.3		35.71	2.27	37.98	33730	Valve	21082.25	Valve	18814.93	36	0.312	52	0.17	0.05	13.78	2.73	0.245139	335	962	693	649	0.48	1.09							1250	Unknown		
45468	GirthWeld		122582.6		37.98	39.75	39.75	33740	Valve	21084.52	Valve	18812.66	36	0.312	52					9:28	335			649									1250	Unknown		
45469	GirthWeld		122622.4		39.75	39.75	39.75	33750	Valve	21124.27	Valve	18772.91	36	0.312	52					10:54	335			649									1250	Unknown		
45470	GirthWeld		122662.1		39.75	39.63	39.63	33760	Valve	21164.02	Valve	18733.16	36	0.312	52					0.091667	335			649									1250	Unknown		
45471	GirthWeld		122701.7		39.63	39.64	39.64	33770	Valve	21203.65	Valve	18693.53	36	0.312	52					0.518056	335			649									1250	Unknown		
45472	GirthWeld		122741.4		39.64	38.73	38.73	33780	Valve	21243.29	Valve	18653.89	36	0.312	52					0.354167	335			649									1250	Unknown		
45473	GirthWeld		122780.1		38.73	39.74	39.75	33790	Valve	21282.02	Valve	18615.16	36	0.312	52					10:04	335			649									1250	Unknown		
45474	GirthWeld		122819.9		39.74	39.83	39.82	33800	Valve	21321.76	Valve	18575.42	36	0.312	52					12:36	335			649									1250	Unknown		
45475	GirthWeld		122859.7		39.83	39.33	39.33	33810	Valve	21361.59	Valve	18535.59	36	0.312	52					0.098611	335			649									1250	Unknown		
45477	CLUSTER	YES	122868.9		9.26	30.08	39.33	33810	Valve	21370.85	Valve	18526.33	36	0.312	52	0.25	0.08	11.05	1.07	0.240278	335	918	661	649	0.51	1.05

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
45603	GirthWeld		122985.4		7.91	39.35	39.36	33850	Valve	21487.28	Valve	18409.9	36	0.312	52					2:18	335			649									1250	Unknown		
45604	GirthWeld		123024.7		39.35	39.81	39.81	33860	Valve	21526.63	Valve	18370.55	36	0.312	52					10:08	335			649									1250	Unknown		
45605	GirthWeld		123064.5		39.81	39.8	39.8	33870	Valve	21566.44	Valve	18330.74	36	0.312	52					0.473611	335			649									1250	Unknown		
45606	GirthWeld		123104.3		39.8	39.84	39.84	33880	Valve	21606.24	Valve	18290.94	36	0.312	52					0.5375	335			649									1250	Unknown		
45607	GirthWeld		123144.2		39.84	39.17	39.17	33890	Valve	21646.08	Valve	18251.1	36	0.312	52					0.090278	335			649									1250	Unknown		
45608	GirthWeld		123183.3		39.17	39.81	39.81	33900	Valve	21685.25	Valve	18211.93	36	0.312	52					9:40	335			649									1250	Unknown		
45609	GirthWeld		123223.2		39.81	39.78	39.78	33910	Valve	21725.06	Valve	18172.12	36	0.312	52					11:12	335			649									1250	Unknown		
45610	GirthWeld		123262.9		39.78	39.53	39.53	33920	Valve	21764.84	Valve	18132.34	36	0.312	52					0.516667	335			649									1250	Unknown		
45611	GirthWeld		123302.5		39.53	39.29	39.29	33930	Valve	21804.37	Valve	18092.81	36	0.312	52					0.0625	335			649									1250	Unknown		
45612	GirthWeld		123341.8		39.29	39.3	39.29	33940	Valve	21843.66	Valve	18053.52	36	0.312	52					0.355556	335			649									1250	Unknown		
45613	GirthWeld		123381.1		39.29	38.31	38.31	33950	Valve	21882.96	Valve	18014.22	36	0.312	52					10:00	335			649									1250	Unknown		
45614	AS_Casing		123408.9		27.82	10.49	38.31	33950	Valve	21910.78	Valve	17986.4	36	0.312	52						335			649									1590	Casing		
45615	GirthWeld		123419.4		38.3	39.74	39.74	33960	Valve	21921.26	Valve	17975.92	36	0.312	52					0.531944	335			649									1250	Unknown		
45617	CLUSTER	YES	123453.4		34.05	5.7	39.74	33960	Valve	21955.31	Valve	17941.87	36	0.312	52	0.15	0.05	1.34	0.85	0.252778	335	1067	769	649	0.44	1.18							1250	Unknown		
45619	GirthWeld		123459.1		39.74	39.69	39.69	33970	Valve	21961	Valve	17936.18	36	0.312	52					0.482639	335			649									1250	Unknown		
45621	CLUSTER	YES	123462.3		3.19	36.5	39.69	33970	Valve	21964.19	Valve	17932.99	36	0.312	52	0.16	0.05	3.65	1.23	6:05	335	1035	745	649	0.45	1.15							1250	Unknown		
45625	CLUSTER	YES	123465.3		6.21	33.48	39.69	33970	Valve	21967.21	Valve	17929.97	36	0.312	52	0.24	0.08	1.31	1.38	6:03	335	1063	765	649	0.44	1.18							1250	Unknown		
45628	CLUSTER	YES	123467.7		8.63	31.06	39.69	33970	Valve	21969.63	Valve	17927.55	36	0.312	52	0.16	0.05	1.73	1.20	0.254861	335	1062	765	649	0.44	1.18							1250	Unknown		
45631	CLUSTER	YES	123485.5		26.4	13.29	39.69	33970	Valve	21987.4	Valve	17909.78	36	0.312	52	0.26	0.08	4.02	1.04	0.252083	335	997	718	649	0.47	1.14							1250	Unknown		
45634	GirthWeld		123498.8		39.69	38.97	38.97	33980	Valve	22000.69	Valve	17896.49	36	0.312	52					0.519444	335			649									1250	Unknown		
45636	CLUSTER	YES	123503		4.22	34.75	38.97	33980	Valve	22004.91	Valve	17892.27	36	0.312	52	0.16	0.05	7.12	1.51	6:06	335	999	719	649	0.47	1.12							1250	Unknown		
45643	CLUSTER	YES	123503.8		4.99	33.98	38.97	33980	Valve	22005.68	Valve	17891.5	36	0.312	52	0.17	0.05	4.02	1.20	6:07	335	1027	740	649	0.45	1.15							1250	Unknown		
45647	CLUSTER	YES	123506.5		7.72	31.25	38.97	33980	Valve	22008.41	Valve	17888.77	36	0.312	52	0.18	0.06	4.87	0.38	0.241667	335	1012	729	649	0.46	1.14							1250	Unknown		
45650	CLUSTER	YES	123507.9		9.11	29.86	38.97	33980	Valve	22009.8	Valve	17887.38	36	0.312	52	0.2	0.06	2.83	1.07	0.256944	335	1039	748	649	0.45	1.16							1250	Unknown		
45652	MELO-CORR	YES	123509.3		10.48	28.49	38.97	33980	Valve	22011.17	Valve	17886.01	36	0.312	52	0.16	0.05	1.10	0.20	0.240972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
45654	CLUSTER	YES	123513.3		14.49	24.48	38.97	33980	Valve	22015.18	Valve	17882	36	0.312	52	0.16	0.05	5.47	0.91	5:48	335	1013	730	649	0.46	1.13							1250	Unknown		
45658	CLUSTER	YES	123513.6		14.84	24.13	38.97	33980	Valve	22015.53	Valve	17881.65	36	0.312	52	0.16	0.05	2.72	0.79	6:15	335	1049	755	649	0.44	1.17							1250	Unknown		
45661	CLUSTER	YES	123515.2		16.37	22.6	38.97	33980	Valve	22017.06	Valve	17880.12	36	0.312	52	0.27	0.08	6.83	0.54	0.240972	335	943	679	649	0.49	1.11							1250	Unknown		
45666	CLUSTER	YES	123516.2		17.44	21.52	38.97	33980	Valve	22018.13	Valve	17879.05	36	0.312	52	0.28	0.09	8.82	1.51	0.255556	335	915	658	649	0.51	1.08							1250	Unknown		
45673	CLUSTER	YES	123517.8		18.98	19.99	38.97	33980	Valve	22019.67	Valve	17877.51	36	0.312	52	0.15	0.05	4.37	0.76	0.239583	335	1029	741	649	0.45	1.14							1250	Unknown		
45676	MELO-CORR	YES	123521.6		22.85	16.12	38.97	33980	Valve	22023.54	Valve	17873.64	36	0.312	52	0.15	0.05	1.22	0.39	6:17	335	1069	769	649	0.44	1.19							1598	Metal Loss		
45677	AE_Casing		123522		23.18	15.79	38.97	33980	Valve	22023.87	Valve	17873.31	36	0.312	52						335			649									1590	Casing		
45679	CLUSTER	YES	123523.4		24.59	14.38	38.97	33980	Valve	22025.28	Valve	17871.9	36	0.312	52	0.17	0.05	11.94	1.42	0.240972	335	968	697	649	0.48	1.08							1250	Unknown		
45685	CLUSTER	YES	123523.9		25.1	13.87	38.97	33980	Valve	22025.79	Valve	17871.39	36	0.312	52	0.15	0.05	7.63	0.97	0.260417	335	1000	720	649	0.47	1.11							1250	Unknown		
45692	CLUSTER	YES	123524.5		25.69	13.28	38.97	33980	Valve	22026.38	Valve	17870.8	36	0.312	52	0.21	0.07	5.36	0.88	0.238889	335	993	715	649	0.47	1.12							1250	Unknown		
45696	MELO-CORR	YES	123525.2		26.45	12.51	38.97	33980	Valve	22027.14	Valve	17870.04	36	0.312	52	0.19	0.06	1.22	0.55	5:48	335	1067	768	649	0.44	1.18							1598	Metal Loss		
45698	CLUSTER	YES	123525.5		26.67	12.3	38.97	33980	Valve	22027.36	Valve	17869.82	36	0.312	52	0.32	0.10	25.22	2.08	5:44	335	826	595	649	0.56	1.03							1250	Unknown		
45719	CLUSTER	YES	123528.5		29.74	9.23	38.97	33980	Valve	22030.43	Valve	17866.75	36	0.312	52	0.25	0.08	20.94	1.89	0.240278	335	888	639	649	0.52	1.06							1250	Unknown		
45722	MELO-CORR	YES	123528.6		29.85	9.11	38.97	33980	Valve	22030.54	Valve	17866.64	36	0.312	52	0.16	0.05	1.22	0.16	0.261806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
45731	CLUSTER	YES	123529.4		30.58	8.39	38.97	33980	Valve	22031.27	Valve	17865.91	36	0.312	52	0.16	0.05	12.00	1.01	0.258333	335	974	701	649	0.48	1.09							1250	Unknown		
45743	CLUSTER	YES	123530.4		31.61	7.36	38.97	33980	Valve	22032.3	Valve	17864.88	36	0.312	52	0.31	0.10	84.22	6.91	5:41	335	800	576	649	0.58	0.98							1250	Unknown		
45870	CLUSTER	YES	123537.4		38.6	0.37	38.97	33980	Valve	22039.29	Valve	17857.89	36	0.312	52	0.16	0.05	1.54	2.08	6:20	335	1065	767	649	0.44	1.18							1250	Unknown		
45872	GirthWeld		123537.8		38.97	40.02	40.02	33990	Valve	22039.66	Valve	17857.52	36	0.312	52					0.347917	335			649									1250	Unknown		
45874	CLUSTER	YES	123537.8		0.09	39.93	40.02	33990	Valve	22039.75	Valve	17857.43	36	0.312	52	0.23	0.07	12.16	5.22	0.238889	335	926	667	649	0.50	1.09							1250	Unknown		
45885	CLUSTER	YES	123538.8		1.06	38.96	40.02	33990	Valve	22040.72	Valve	17856.46	36	0.312	52	0.15	0.05	2.75	1.51	0.236111	335	1050	756	649	0.44	1.17							1250	Unknown		
45888	CLUSTER	YES	123539.1		1.38	38.64	40.02	33990	Valve	22041.04	Valve	17856.14	36	0.312	52	0.18	0.06	7.15	1.32	5:50	335	988	711	649	0.47	1.11							1250	Unknown		
45894	CLUSTER	YES	123540.3		2.57	37.45	40.02	33990	Valve	22042.23	Valve	17854.95	36	0.312	52	0.16	0.05	1.50	2.01	6:15	335	1065	767	649	0.44	1.18							1250	Unknown		
45896	MELO-CORR	YES	123540.6		2.82	37.2	40.02	33990	Valve	22042.49	Valve	17854.69	36	0.312	52	0.18	0.06	1.10	0.51	0.242361	335	1068	769	649	0.44	1.19							1598	Metal Loss		
45898	CLUSTER	YES	123541.5		3.73	36.29	40.02	33990	Valve	22043.39	Valve	17853.79	36	0.312	52	0.25	0.08	9.16	1.73	0.240972	335	931	670	649	0.50	1.08							1250	Unknown		
45905	CLUSTER	YES	123542.4		4.6	35.42	40.02	33990	Valve	22044.26	Valve	17852.91	36	0.312	52	0.15	0.05	24.31	8.39	0.246528	335	962	693	649	0.48	1.08							1250	Unknown		
45929	CLUSTER	YES	123547		9.26	30.76	40.02	33990	Valve	22048.93	Valve	17848.25	36	0.312	52	0.2	0.06	13.91	5.56	6:08	335	941	677	649	0.49	1.09							1250	Unknown		
45939	MELO-CORR	YES	123548.8		11.07	28.95	40.02	33990	Valve	22050.74	Valve	17846.44	36	0.312	52	0.16	0.05	1.10	0.35	4:33	335	1069	770	649	0.44	1.19							1598	Metal Loss		
45940	MELO-CORR	YES	123552.4		14.64	25.38	40.02	33990	Valve	22054.3	Valve	17842.88	36	0.312	52	0.18	0.06	1.22	0.47	0.203472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
45942	CLUSTER	YES	123557.3		19.51	20.51	40.02	33990	Valve	22059.17	Valve	17838.01	36	0.312	52	0.16	0.05	14.64	1.51	0.283333	335	967	696	649	0.48	1.09							1250	Unknown		
45949	CLUSTER	YES	123564.6		26.81	13.21	40.02	33990	Valve	22066.47	Valve	17830.71	36	0.312	52	0.18	0.06	14.78	3.05	0.252778	335	952	686	649	0.49	1.09							1250	Unknown		
45958	CLUSTER	YES	123566.6		28.85	11.17	40.02	33990	Valve	22068.51	Valve	17828.67	36	0.312	52	0.16	0.05	9.73	0.94	5:44	335	983	708	649	0.47	1.10							1250	Unknown		
45962	MELO-CORR	YES	123570.1		32.38	7.65	40.02	33990	Valve	22072.04	Valve	17825.14	36	0.312	52	0.25	0.08	1.06	0.83	5:50	335	1066	768	649	0.44	1.18							1598	Metal Loss		
45964	CLUSTER	YES	123571		33.23	6.8	40.02	33990	Valve	22072.89	Valve	17824.29	36	0.312	52	0.15	0.05	11.81	3.30	0.24375	335	981	706	649	0.47	1.09							1250	Unknown		
45974	CLUSTER	YES	123572.8		35.05	4.97	40.02	33990	Valve	22074.71	Valve	17822.47	36	0.312	52	0.21	0.07	4.69	2.29	0.247222	335	1003	722	649	0.46	1.14							1250	Unknown		
45981	CLUSTER	YES	123575.6		37.83	2.19	40.02	33990	Valve	22077.49	Valve	17819.69	36	0.312	52	0.18	0.06	1.18	0.47	0.235417	335	1068	769	649	0.44	1.18							1250	Unknown		
45984	CLUSTER	YES	123577.2		39.47	0.55	40.02	33990	Valve	22079.13	Valve	17818.05	36	0.312	52	0.16	0.05	4.81	1.73	6:08	335	1021	735	649	0.46	1.14							1250	Unknown		
45987	GirthWeld		123577.8		40.02	39.8	39.8	34000	Valve	22079.68	Valve	17817.5	36	0.312	52					10:19	335			649									1250	Unknown		
45989	CLUSTER	YES	123577.9		0.08	39.72	39.8	34000	Valve	22079.76	Valve	17817.42	36	0.312	52	0.16	0.05	6.89	2.92	0.245833	335	1000	720	649	0.47	1.11							1250	Unknown		
45996	CLUSTER	YES	123579.4		1.63	38.17	39.8	34000	Valve	22081.31	Valve	17815.87	36	0.312	52	0.15	0.05	5.83	0.85	0.24375	335	1014	730	649	0.46	1.12							1250	Unknown		
46002	CLUSTER	YES	123581.6		3.8	36	39.8	34000	Valve	22083.48	Valve	17813.7	36	0.312	52	0.19	0.06	6.60	0.91	0.24375	335	988	711	649	0.47	1.11							1250	Unknown		
46007	CLUSTER	YES	123583.6		5.87	33.93	39.8	34000	Valve	22085.55	Valve	17811.63	36	0.312	52	0.23	0.07	23.22	3.99	5:52	335	901	649	649	0.52	1.08							1250	Unknown		
46010	CLUSTER	YES	123584		6.2	33.6	39.8	34000	Valve	22085.88	Valve	17811.3	36	0.312	52	0.2	0.06	5.52	0.54	5:50	335	996	717	649	0.47	1.11							1250	Unknown		
46024	CLUSTER	YES	123586.7		8.91	30.89	39.8	34000	Valve	22088.59	Valve	17808.59	36	0.312	52	0.15	0.05	8.64	1.13	0.242361	335	994	716	649	0.47	1.11							1250	Unknown		
46028	GirthWeld		123617.6		39.8	37.5	37.5	34010	Valve	22119.48	Valve	17777.7	36	0.312	52					0.060417	335			649									1250	Unknown		
46029	GirthWeld		123655.1		37.5	39.44	39.44	34020	Valve	22156.98	Valve	17740.2	36	0.312	52					0.536111	335			649									1250	Unknown		
46030	GirthWeld		123694.5		39.44	39.65	39.65	34030	Valve	22196.42	Valve	17700.76	36	0.312	52					11:04	335			649									1250	Unknown		
46031	GirthWeld		123734.2		39.65	39.87	39.87	34040	Valve	22236.07	Valve	17661.11	36	0.312	52					12:54	335			649									1250	Unknown		
46032	GirthWeld		123774		39.87	39.8	39.8	34050	Valve	22275.94	Valve	17621.24	36	0.312	52					0.088889	335			649									1250	Unknown		
46033	GirthWeld		123813.8		39.8	39.21	39.2	34060	Valve	22315.74	Valve	17581.44	36	0.312	52					0.409722	335			649									1250	Unknown		
46034	GirthWeld		123853		39.21	39.78	39.78	34070	Valve	22354.95	Valve	17542.23	36	0.312	52					0.481944	335			649									1250	Unknown		
46035	GirthWeld		123892.8		39.78	38.43	38.42	34080	Valve	22394.73	Valve	17502.45	36	0.312	52					1:40	335			649									1250	Unknown		
46036	GirthWeld		123931.3		38.42	37.79	37.79	34090	Valve	22433.15	Valve	17464.02	36	0.312	52					12:38	335			649									1250	Unknown		
46037	GirthWeld		123969		37.79	39.79	39.79	34100	Valve	22470.95	Valve	17426.23	36	0.312	52					0.481944	335			649									1250	Unknown		
46038	GirthWeld		124008.8		39.79	38.21	38.2	34110	Valve	22510.74	Valve	17386.44	36	0.312	52					0.431944	335			649									1250	Unknown		
46039	GirthWeld		124047		38.21	39.37	39.38	34120	Valve	22548.95	Valve	17348.23	36	0.312	52					0.533333	335			649									1250	Unknown		
46040	GirthWeld		124086.4		39.37	39.81	39.8	34130	Valve	22588.32	Valve	17308.86	36	0.312	52					1:18	335			649									1250	Unknown		
46041	GirthWeld		124126.2		39.81	39.82	39.82	34140	Valve	22628.13	Valve	17269.05	36	0.312	52					11:12	335			649									1250	Unknown		
46042	GirthWeld		124166		39.82	39.83	39.83	34150	Valve	22667.95	Valve	17229.23	36	0.312	52					0.443056	335			649									1250	Unknown		
46043	GirthWeld		124205.9		39.83	39.78	39.78	34160	Valve	22707.78	Valve	17189.4	36	0.312	52					0.045833	335			649									1250	Unknown		
46044	GirthWeld		124245.7		39.78	39.83	39.83	34170	Valve	22747.56	Valve	17149.62	36	0.312	52					0.094444	335			649									1250	Unknown		
46045	GirthWeld		124285.5		39.83	39.14	39.14	34180	Valve	22787.39	Valve	17109.79	36	0.312	52					10:06	335			649									1250	Unknown		
46046	GirthWeld		124324.6		39.14	38.88	38.88	34190	Valve	22826.53	Valve	17070.65	36	0.312	52					11:32	335			649									1250	Unknown		
46047	GirthWeld		124363.5		38.88	37.69	37.69	34200	Valve	22865.41	Valve	17031.77	36	0.312	52					0.084722	335			649									1250	Unknown		
46048	GirthWeld		124401.2		37.69	39.39	39.39	34210	Valve	22903.1	Valve	16994.08	36	0.312	52					0.536111	335			649									1250	Unknown		
46049	GirthWeld		124440.6		39.39	39.41	39.41	34220	Valve	22942.49	Valve	16954.69	36	0.312	52					0.422222	335			649									1250	Unknown		
46050	GirthWeld		124480		39.4	38.84	38.84	34230	Valve	22981.9	Valve	16915.28	36	0.312	52					11:34	335			649									1250	Unknown		
46051	GirthWeld		124518.8		38.83	39.13	39.12	34240	Valve	23020.73	Valve	16876.45	36	0.312	52					12:56	335			649									1250	Unknown		
46052	GirthWeld		124558		39.13	39.83	39.83	34250	Valve	23059.86	Valve	16837.32	36	0.312	52					0.080556	335			649									1250	Unknown		
46053	GirthWeld		124597.8		39.83	39.41	39.41	34260	Valve	23099.69	Valve	16797.49	36	0.312	52					0.436111	335			649									1250	Unknown		
46054	GirthWeld		124637.2		39.41	38.99	38.99	34270	Valve	23139.1	Valve	16758.08	36	0.312	52					0.490278	335			649									1250	Unknown		
46055	GirthWeld		124676.2		38.99	37.09	37.09	34280	Valve	23178.09	Valve	16719.09	36	0.312	52					12:50	335			649									1250	Unknown		
46056	GirthWeld		124713.3		37.09	39.05	39.04	34290	Valve	23215.18	Valve	16682	36	0.312	52					2:02	335			649									1250	Unknown		
46057	GirthWeld		124752.3		39.05	37.44	37.44	34300	Valve	23254.23	Valve	16642.95	36	0.312	52					0.354167	335			649									1250	Unknown		
46058	GirthWeld		124789.8		37.44	39.94	39.94	34310	Valve	23291.67	Valve	16605.51	36	0.312	52					0.430556	335			649									1250	Unknown		
46059	MELO-CORR	YES	124790.2		0.44	39.5	39.94	34310	Valve	23292.11	Valve	16605.07	36	0.312	52	0.16	0.05	1.18	0.51	0.25625	335	1069	769	649	0.44	1.19							1598	Metal Loss		
46061	CLUSTER	YES	124797.2		7.44	32.49	39.94	34310	Valve	23299.11	Valve	16598.07	36	0.312	52	0.17	0.05	8.03	0.76	5:50	335	987	710	649	0.47	1.12							1250	Unknown		
46065	CLUSTER	YES	124801.3		11.5	28.44	39.94	34310	Valve	23303.17	Valve	16594.01	36	0.312	52	0.15	0.05	5.47	0.50	5:52	335	1017	733	649	0.46	1.14							1250	Unknown		
46067	MELO-CORR	YES	124802.3		12.58	27.36	39.94	34310	Valve	23304.25	Valve	16592.93	36	0.312	52	0.22	0.07	3.50	0.59	0.243056	335	1021	735	649	0.46	1.14							1598	Metal Loss		
46069	CLUSTER	YES	124802.8		13.04	26.9	39.94	34310	Valve	23304.71	Valve	16592.47	36	0.312	52	0.17	0.05	7.49	1.07	0.252083	335	991	713	649	0.47	1.11							1250	Unknown		
46074	CLUSTER	YES	124808		18.22	21.72	39.94	34310	Valve	23309.89	Valve	16587.29	36	0.312	52	0.18	0.06	6.00	0.57	0.243056	335	999	719	649	0.47	1.11							1250	Unknown		
46077	CLUSTER	YES	124825.2		35.41	4.53	39.94	34310	Valve	23327.08	Valve	16570.1	36	0.312	52	0.18	0.06	15.12	1.48	6:18	335	952	685	649	0.49	1.08							1250	Unknown		
46087	CLUSTER	YES	124828.4		38.62	1.31	39.94	34310	Valve	23330.29	Valve	16566.89	36	0.312	52	0.16	0.05	12.83	1.76	6:13	335	971	699	649	0.48	1.09							1250	Unknown		
46097	GirthWeld	

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
46147	CLUSTER	YES	124986.3		37.23	1.29	38.52	34350	Valve	23488.18	Valve	16409	36	0.312	52	0.15	0.05	6.13	0.66	5:55	335	1011	728	649	0.46	1.12							1250	Unknown		
46149	GirthWeld		124987.6		38.52	39.82	39.83	34360	Valve	23489.47	Valve	16407.71	36	0.312	52					12:54	335			649									1250	Unknown		
46151	CLUSTER	YES	124987.7		0.18	39.64	39.83	34360	Valve	23489.65	Valve	16407.53	36	0.312	52	0.16	0.05	6.54	0.41	0.241667	335	1003	722	649	0.46	1.11							1250	Unknown		
46154	MELO-CORR	YES	124996.7		9.17	30.65	39.83	34360	Valve	23498.64	Valve	16398.54	36	0.312	52	0.18	0.06	0.94	0.39	0.245833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
46155	MELO-CORR	YES	124998.4		10.88	28.95	39.83	34360	Valve	23500.35	Valve	16396.83	36	0.312	52	0.2	0.06	1.10	0.35	0.246528	335	1068	769	649	0.44	1.18							1598	Metal Loss		
46157	CLUSTER	YES	125024.5		36.92	2.91	39.83	34360	Valve	23526.39	Valve	16370.79	36	0.312	52	0.19	0.06	6.32	0.66	6:08	335	991	713	649	0.47	1.11							1250	Unknown		
46160	CLUSTER	YES	125025.4		37.81	2.02	39.83	34360	Valve	23527.28	Valve	16369.9	36	0.312	52	0.2	0.06	4.40	0.76	6:07	335	1011	728	649	0.46	1.14							1250	Unknown		
46162	GirthWeld		125027.4		39.82	38.64	38.64	34370	Valve	23529.29	Valve	16367.89	36	0.312	52					0.121528	335			649									1250	Unknown		
46164	CLUSTER	YES	125031.3		3.95	34.7	38.64	34370	Valve	23533.24	Valve	16363.94	36	0.312	52	0.18	0.06	11.29	0.85	0.24375	335	963	694	649	0.48	1.09							1250	Unknown		
46168	MELO-CORR	YES	125032.7		5.35	33.29	38.64	34370	Valve	23534.64	Valve	16362.54	36	0.312	52	0.18	0.06	3.42	0.20	0.242361	335	1033	744	649	0.45	1.15							1598	Metal Loss		
46170	CLUSTER	YES	125033.3		5.91	32.74	38.64	34370	Valve	23535.2	Valve	16361.98	36	0.312	52	0.25	0.08	13.64	1.07	5:49	335	906	652	649	0.51	1.08							1250	Unknown		
46177	CLUSTER	YES	125036.7		9.33	29.32	38.64	34370	Valve	23538.62	Valve	16358.56	36	0.312	52	0.16	0.05	5.53	0.54	5:51	335	1012	729	649	0.46	1.12							1250	Unknown		
46181	CLUSTER	YES	125039		11.66	26.99	38.64	34370	Valve	23540.95	Valve	16356.23	36	0.312	52	0.16	0.05	4.58	0.69	0.243056	335	1023	737	649	0.45	1.14							1250	Unknown		
46184	CLUSTER	YES	125044.9		17.55	21.1	38.64	34370	Valve	23546.84	Valve	16350.34	36	0.312	52	0.19	0.06	11.80	1.01	0.242361	335	955	687	649	0.49	1.10							1250	Unknown		
46190	CLUSTER	YES	125048.3		20.96	17.68	38.64	34370	Valve	23550.25	Valve	16346.93	36	0.312	52	0.19	0.06	4.49	0.41	0.241667	335	1014	730	649	0.46	1.14							1250	Unknown		
46193	CLUSTER	YES	125049		21.6	17.05	38.64	34370	Valve	23550.89	Valve	16346.29	36	0.312	52	0.15	0.05	18.49	1.42	5:42	335	968	697	649	0.48	1.09							1250	Unknown		
46200	CLUSTER	YES	125059.2		31.77	6.88	38.64	34370	Valve	23561.06	Valve	16336.12	36	0.312	52	0.18	0.06	8.35	0.94	5:45	335	979	705	649	0.48	1.10							1250	Unknown		
46205	CLUSTER	YES	125060		32.58	6.06	38.64	34370	Valve	23561.87	Valve	16335.31	36	0.312	52	0.21	0.07	5.70	0.63	0.238889	335	988	712	649	0.47	1.11							1250	Unknown		
46209	GirthWeld		125066		38.64	39.86	39.86	34380	Valve	23567.93	Valve	16329.24	36	0.312	52					0.463194	335			649									1250	Unknown		
46211	CLUSTER	YES	125069.6		3.57	36.29	39.86	34380	Valve	23571.5	Valve	16325.68	36	0.312	52	0.18	0.06	2.75	0.44	0.240278	335	1044	752	649	0.45	1.16							1250	Unknown		
46213	GirthWeld		125105.9		39.86	39.81	39.81	34390	Valve	23607.79	Valve	16289.39	36	0.312	52					12:16	335			649									1250	Unknown		
46214	GirthWeld		125145.7		39.81	36.43	36.43	34400	Valve	23647.6	Valve	16249.58	36	0.312	52					8:22	335			649									1250	Unknown		
46215	MELO-CORR	YES	125152.1		6.41	30.02	36.43	34400	Valve	23654.01	Valve	16243.17	36	0.312	52	0.15	0.05	2.40	0.24	0.247222	335	1055	759	649	0.44	1.17							1598	Metal Loss		
46217	CLUSTER	YES	125153.2		7.5	28.93	36.43	34400	Valve	23655.1	Valve	16242.08	36	0.312	52	0.19	0.06	7.94	1.76	0.249306	335	976	703	649	0.48	1.10							1250	Unknown		
46222	MELO-CORR	YES	125164.6		18.86	17.57	36.43	34400	Valve	23666.46	Valve	16230.71	36	0.312	52	0.16	0.05	2.56	0.51	0.258333	335	1051	757	649	0.44	1.17							1598	Metal Loss		
46224	CLUSTER	YES	125165.2		19.54	16.89	36.43	34400	Valve	23667.14	Valve	16230.04	36	0.312	52	0.36	0.11	10.93	0.85	5:50	335	841	606	649	0.55	0.97							1250	Unknown		
46230	CLUSTER	YES	125175.1		29.38	7.05	36.43	34400	Valve	23676.98	Valve	16220.2	36	0.312	52	0.2	0.06	8.09	0.94	6:10	335	969	698	649	0.48	1.09							1250	Unknown		
46235	MELO-CORR	YES	125176.3		30.63	5.81	36.43	34400	Valve	23678.23	Valve	16218.95	36	0.312	52	0.18	0.06	1.14	0.16	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
46237	CLUSTER	YES	125176.6		30.91	5.52	36.43	34400	Valve	23678.51	Valve	16218.66	36	0.312	52	0.21	0.07	4.31	0.91	0.244444	335	1010	727	649	0.46	1.14							1250	Unknown		
46241	MELO-CORR	YES	125178.8		33.1	3.33	36.43	34400	Valve	23680.71	Valve	16216.47	36	0.312	52	0.2	0.06	1.18	0.20	0.245139	335	1067	768	649	0.44	1.18							1598	Metal Loss		
46243	CLUSTER	YES	125179.6		33.87	2.56	36.43	34400	Valve	23681.47	Valve	16215.71	36	0.312	52	0.24	0.08	6.52	0.91	5:53	335	963	693	649	0.48	1.09							1250	Unknown		
46247	CLUSTER	YES	125180.7		34.98	1.45	36.43	34400	Valve	23682.58	Valve	16214.6	36	0.312	52	0.2	0.06	8.15	0.97	6:09	335	969	698	649	0.48	1.08							1250	Unknown		
46252	CLUSTER	YES	125181.3		35.65	0.78	36.43	34400	Valve	23683.25	Valve	16213.93	36	0.312	52	0.28	0.09	7.02	0.50	0.244444	335	935	673	649	0.50	1.08							1250	Unknown		
46256	GirthWeld		125182.1		36.43	39.48	39.48	34410	Valve	23684.03	Valve	16213.15	36	0.312	52					0.419444	335			649									1250	Unknown		
46258	CLUSTER	YES	125182.4		0.25	39.23	39.48	34410	Valve	23684.28	Valve	16212.9	36	0.312	52	0.23	0.07	12.78	3.55	0.245139	335	923	665	649	0.50	1.07							1250	Unknown		
46272	MELO-CORR	YES	125185.8		3.64	35.84	39.48	34410	Valve	23687.67	Valve	16209.51	36	0.312	52	0.15	0.05	1.61	0.20	5:54	335	1064	766	649	0.44	1.18							1598	Metal Loss		
46273	MELO-CORR	YES	125187.5		5.4	34.09	39.48	34410	Valve	23689.43	Valve	16207.75	36	0.312	52	0.18	0.06	1.22	0.20	5:54	335	1067	768	649	0.44	1.18							1598	Metal Loss		
46275	CLUSTER	YES	125189		6.87	32.61	39.48	34410	Valve	23690.9	Valve	16206.28	36	0.312	52	0.27	0.08	8.04	0.85	0.245833	335	929	669	649	0.50	1.07							1250	Unknown		
46281	CLUSTER	YES	125189.7		7.6	31.88	39.48	34410	Valve	23691.63	Valve	16205.55	36	0.312	52	0.18	0.06	10.78	0.85	0.255556	335	966	695	649	0.48	1.08							1250	Unknown		
46287	CLUSTER	YES	125190.9		8.78	30.71	39.48	34410	Valve	23692.81	Valve	16204.37	36	0.312	52	0.19	0.06	11.53	0.79	0.244444	335	956	688	649	0.49	1.06							1250	Unknown		
46294	CLUSTER	YES	125193		10.88	28.6	39.48	34410	Valve	23694.91	Valve	16202.27	36	0.312	52	0.17	0.05	18.01	3.61	5:51	335	954	687	649	0.49	1.08							1250	Unknown		
46306	MELO-CORR	YES	125202		19.92	19.56	39.48	34410	Valve	23703.95	Valve	16193.23	36	0.312	52	0.16	0.05	1.10	0.20	5:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
46308	CLUSTER	YES	125219.3		37.15	2.33	39.48	34410	Valve	23721.18	Valve	16176	36	0.312	52	0.15	0.05	1.30	0.38	0.240972	335	1068	769	649	0.44	1.18							1250	Unknown		
46311	CLUSTER	YES	125220.6		38.43	1.05	39.48	34410	Valve	23722.46	Valve	16174.72	36	0.312	52	0.17	0.05	7.93	0.88	0.240278	335	987	711	649	0.47	1.11							1250	Unknown		
46315	GirthWeld		125221.6		39.48	39.75	39.75	34420	Valve	23723.51	Valve	16173.67	36	0.312	52					0.538889	335			649									1250	Unknown		
46317	CLUSTER	YES	125227.6		6	33.76	39.75	34420	Valve	23729.51	Valve	16167.67	36	0.312	52	0.15	0.05	11.84	1.26	5:44	335	981	706	649	0.47	1.10							1250	Unknown		
46323	CLUSTER	YES	125229.9		8.28	31.47	39.75	34420	Valve	23731.79	Valve	16165.39	36	0.312	52	0.15	0.05	15.49	1.04	6:17	335	972	700	649	0.48	1.09							1250	Unknown		
46331	MELO-CORR	YES	125236.8		15.16	24.6	39.75	34420	Valve	23738.67	Valve	16158.51	36	0.312	52	0.15	0.05	1.14	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
46333	CLUSTER	YES	125239.1		17.5	22.26	39.75	34420	Valve	23741.01	Valve	16156.17	36	0.312	52	0.15	0.05	1.45	0.79	0.261806	335	1066	768	649	0.44	1.18							1250	Unknown		
46336	CLUSTER	YES	125247.1		25.54	14.21	39.75	34420	Valve	23749.05	Valve	16148.13	36	0.312	52	0.16	0.05	10.39	1.51	0.256944	335	980	706	649	0.47	1.10							1250	Unknown		
46347	CLUSTER	YES	125248.9		27.31	12.45	39.75	34420	Valve	23750.82	Valve	16146.36	36	0.312	52	0.16	0.05	8.95	0.94	5:48	335	987	711	649	0.47	1.10							1250	Unknown		
46352	CLUSTER	YES	125250.8		29.17	10.58	39.75	34420	Valve	23752.68	Valve	16144.5	36	0.312	52	0.18	0.06	5.33	1.38	5:50	335	1007	725	649	0.46	1.13							1250	Unknown		
46356	MELO-CORR	YES	125253.3		31.67	8.08	39.75	34420	Valve	23755.18	Valve	16142	36	0.312	52	0.17	0.05	1.10	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
46357	GirthWeld		125261.4		39.75	39.76	39.76	34430	Valve	23763.26	Valve	16133.92	36	0.312	52					0.102778	335			649									1250	Unknown		
46358	GirthWeld		125301.1		39.76	17.05	17.04	34440	Valve	23803.02	Valve	16094.16	36	0.312	52					0.5	335			649									1250	Unknown		
46360	CLUSTER	YES	125305.8		4.65	12.39	17.04	34440	Valve	23807.67	Valve	16089.51	36	0.312	52	0.18	0.06	1.32	0.94	6:13	335	1066	767	649	0.44	1.18							1250	Unknown		
46362	GirthWeld		125318.2		17.04	38.35	38.35	34450	Valve	23820.07	Valve	16077.11	36	0.312	52					9:39	335			649									1250	Unknown		
46363	GirthWeld		125356.5		38.35	39.88	39.88	34460	Valve	23858.42	Valve	16038.76	36	0.312	52					0.066667	335			649									1250	Unknown		
46364	GirthWeld		125396.4		39.88	39.82	39.82	34470	Valve	23898.3	Valve	15998.88	36	0.312	52					0.525694	335			649									1250	Unknown		
46366	CLUSTER	YES	125404.1		7.74	32.08	39.82	34470	Valve	23906.04	Valve	15991.14	36	0.312	52	0.2	0.06	7.49	0.76	0.242361	335	974	702	649	0.48	1.11							1250	Unknown		
46370	MELO-CORR	YES	125411.5		15.08	24.74	39.82	34470	Valve	23913.38	Valve	15983.8	36	0.312	52	0.16	0.05	0.91	0.16	5:49	335	1071	771	649	0.43	1.19							1598	Metal Loss		
46372	CLUSTER	YES	125412.6		16.22	23.6	39.82	34470	Valve	23914.52	Valve	15982.66	36	0.312	52	0.24	0.08	7.91	0.60	5:48	335	948	682	649	0.49	1.10							1250	Unknown		
46377	CLUSTER	YES	125415.2		18.79	21.03	39.82	34470	Valve	23917.09	Valve	15980.09	36	0.312	52	0.21	0.07	8.96	0.60	0.241667	335	957	689	649	0.49	1.08							1250	Unknown		
46381	MELO-CORR	YES	125416.4		20.04	19.78	39.82	34470	Valve	23918.34	Valve	15978.84	36	0.312	52	0.16	0.05	1.10	0.16	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
46383	CLUSTER	YES	125421.8		25.38	14.44	39.82	34470	Valve	23923.68	Valve	15973.5	36	0.312	52	0.24	0.08	13.56	1.13	0.252778	335	913	658	649	0.51	1.07							1250	Unknown		
46389	CLUSTER	YES	125424.2		27.77	12.05	39.82	34470	Valve	23926.07	Valve	15971.11	36	0.312	52	0.17	0.05	4.46	0.88	6:04	335	1021	735	649	0.46	1.14							1250	Unknown		
46393	CLUSTER	YES	125426.9		30.46	9.36	39.82	34470	Valve	23928.76	Valve	15968.42	36	0.312	52	0.17	0.05	9.41	3.02	5:51	335	978	704	649	0.48	1.11							1250	Unknown		
46398	CLUSTER	YES	125427.7		31.33	8.49	39.82	34470	Valve	23929.63	Valve	15967.55	36	0.312	52	0.2	0.06	6.49	1.20	0.252778	335	984	708	649	0.47	1.11							1250	Unknown		
46401	GirthWeld		125436.2		39.82	39.83	39.83	34480	Valve	23938.12	Valve	15959.06	36	0.312	52					0.426389	335			649									1250	Unknown		
46402	MELO-CORR	YES	125439.1		2.91	36.92	39.83	34480	Valve	23941.03	Valve	15956.15	36	0.312	52	0.19	0.06	1.10	0.47	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
46404	CLUSTER	YES	125440.5		4.32	35.5	39.83	34480	Valve	23942.44	Valve	15954.74	36	0.312	52	0.15	0.05	5.71	0.66	6:09	335	1015	731	649	0.46	1.13							1250	Unknown		
46406	MELO-CORR	YES	125440.6		4.39	35.44	39.83	34480	Valve	23942.51	Valve	15954.67	36	0.312	52	0.17	0.05	1.18	0.20	5:52	335	1068	769	649	0.44	1.19							1598	Metal Loss		
46410	CLUSTER	YES	125443.5		7.33	32.5	39.83	34480	Valve	23945.45	Valve	15951.73	36	0.312	52	0.26	0.08	19.80	3.71	0.243056	335	882	635	649	0.53	1.03							1250	Unknown		
46428	CLUSTER	YES	125445.7		9.51	30.32	39.83	34480	Valve	23947.63	Valve	15949.55	36	0.312	52	0.16	0.05	5.03	3.08	0.249306	335	1018	733	649	0.46	1.14							1250	Unknown		
46432	CLUSTER	YES	125446.7		10.49	29.34	39.83	34480	Valve	23948.61	Valve	15948.57	36	0.312	52	0.2	0.06	8.60	1.67	0.247917	335	965	695	649	0.48	1.10							1250	Unknown		
46438	CLUSTER	YES	125447.5		11.31	28.52	39.83	34480	Valve	23949.43	Valve	15947.75	36	0.312	52	0.21	0.07	10.82	2.58	5:55	335	946	681	649	0.49	1.08							1250	Unknown		
46447	CLUSTER	YES	125448.7		12.52	27.31	39.83	34480	Valve	23950.64	Valve	15946.54	36	0.312	52	0.36	0.11	5.45	1.82	6:09	335	919	662	649	0.51	1.07							1250	Unknown		
46453	CLUSTER	YES	125449.3		13.08	26.75	39.83	34480	Valve	23951.2	Valve	15945.98	36	0.312	52	0.15	0.05	4.78	2.96	0.245139	335	1025	738	649	0.45	1.14							1250	Unknown		
46459	CLUSTER	YES	125449.8		13.59	26.24	39.83	34480	Valve	23951.71	Valve	15945.47	36	0.312	52	0.18	0.06	4.10	2.83	0.247222	335	1023	737	649	0.45	1.14							1250	Unknown		
46464	CLUSTER	YES	125450.2		13.94	25.89	39.83	34480	Valve	23952.06	Valve	15945.12	36	0.312	52	0.18	0.06	16.88	2.83	0.244444	335	948	683	649	0.49	1.08							1250	Unknown		
46475	CLUSTER	YES	125456.3		20.04	19.79	39.83	34480	Valve	23958.16	Valve	15939.02	36	0.312	52	0.2	0.06	8.03	1.35	6:01	335	970	698	649	0.48	1.10							1250	Unknown		
46478	MELO-CORR	YES	125457.3		21.11	18.72	39.83	34480	Valve	23959.23	Valve	15937.95	36	0.312	52	0.21	0.07	1.65	0.24	5:56	335	1059	762	649	0.44	1.18							1598	Metal Loss		
46480	CLUSTER	YES	125458.8		22.55	17.27	39.83	34480	Valve	23960.67	Valve	15936.51	36	0.312	52	0.15	0.05	3.00	1.26	0.25	335	1047	754	649	0.44	1.16							1250	Unknown		
46484	CLUSTER	YES	125464.3		28.13	11.7	39.83	34480	Valve	23966.25	Valve	15930.93	36	0.312	52	0.3	0.09	6.42	1.29	0.25	335	932	671	649	0.50	1.10							1250	Unknown		
46488	GirthWeld		125476		39.83	37.07	37.07	34490	Valve	23977.95	Valve	15919.23	36	0.312	52					0.483333	335			649									1250	Unknown		
46489	MELO-CORR	YES	125479.7		3.64	33.43	37.07	34490	Valve	23981.59	Valve	15915.59	36	0.312	52	0.16	0.05	2.40	0.67	5:46	335	1053	758	649	0.44	1.17							1598	Metal Loss		
46490	MELO-CORR	YES	125482.7		6.69	30.38	37.07	34490	Valve	23984.64	Valve	15912.54	36	0.312	52	0.19	0.06	1.10	0.20	5:51	335	1068	769	649	0.44	1.19							1598	Metal Loss		
46491	GirthWeld		125513.1		37.07	39.83	39.83	34500	Valve	24015.02	Valve	15882.16	36	0.312	52					0.051389	335			649									1250	Unknown		
46492	GirthWeld		125552.9		39.83	39.72	39.72	34510	Valve	24054.85	Valve	15842.33	36	0.312	52					0.123611	335			649									1250	Unknown		
46493	GirthWeld		125592.7		39.72	39.87	39.87	34520	Valve	24094.57	Valve	15802.61	36	0.312	52					0.440278	335			649									1250	Unknown		
46494	GirthWeld		125632.5		39.87	39.03	39.03	34530	Valve	24134.44	Valve	15762.74	36	0.312	52					11:44	335			649									1250	Unknown		
46495	GirthWeld		125671.6		39.03	39.87	39.86	34540	Valve	24173.47	Valve	15723.71	36	0.312	52					2:45	335			649									1250	Unknown		
46497	CLUSTER	YES	125701.5		29.97	9.9	39.86	34540	Valve	24203.44	Valve	15693.74	36	0.312	52	0.15	0.05	5.98	1.04	0.259722	335	1013	729	649	0.46	1.13							1250	Unknown		
46500	GirthWeld		125711.4		39.87	39.8	39.81	34550	Valve	24213.34	Valve	15683.84	36	0.312	52					0.055556	335			649									1250	Unknown		
46501	GirthWeld		125751.2		39.8	33.44	33.44	34560	Valve	24253.14	Valve	15644.04	36	0.312	52					0.451389	335			649									1250	Unknown		
46502	GirthWeld		125784.7		33.44	16.33	16.33	34570	Valve	24286.58	Valve	15610.6	36	0.312	52					12:08	335			649									1250	Unknown		
46503	GirthWeld		125801		16.33	22.26	22.26	34580	Valve	24302.91	Valve	15594.27	36	0.312	52					11:24	335			649									1250	Unknown		
46504	GirthWeld		125823.3		22.26	39.83	39.83	34590	Valve	24325.17	Valve	15572.01	36	0.312	52					0.101389	335			649									1250	Unknown		
46505	GirthWeld		125863.1		39.83	39.63	39.63	34600	Valve	24365	Valve	15532.18	36	0.312	52					0.048611	335			649									1250	Unknown		
46506	GirthWeld		125902.7		39.63	39.88	39.88	34610	Valve	24404.63	Valve	15492.55	36	0.312	52					0.427778	335			649									1250	Unknown		
46507	GirthWeld		125942.6		39.87	39.78	39.78	34620	Valve	24444.5	Valve	15452.68	36	0.312	52					11:28	335			649									1250	Unknown		
46508	MELO-CORR	YES	125949		6.38	33.4	39.78	34620	Valve	24450.88	Valve	15446.3	36	0.312	52	0.16

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
								Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)		(psi)					(feet)					
46592	CLUSTER	YES	126025		2.85	36.96	39.82	34640	Valve	24526.93	Valve	15370.25	36	0.312	52	0.3	0.09	8.72	2.70	6:10	335	902	650	649	0.52	1.06							1250	Unknown		
46605	CLUSTER	YES	126025.9		3.68	36.13	39.82	34640	Valve	24527.76	Valve	15369.42	36	0.312	52	0.17	0.05	3.55	1.76	6:14	335	1034	745	649	0.45	1.15							1250	Unknown		
46609	CLUSTER	YES	126027.8		5.66	34.15	39.82	34640	Valve	24529.74	Valve	15367.44	36	0.312	52	0.31	0.10	44.60	3.99	0.255556	335	815	587	649	0.57	1.02							1250	Unknown		
46660	CLUSTER	YES	126032		9.8	30.02	39.82	34640	Valve	24533.88	Valve	15363.3	36	0.312	52	0.31	0.10	10.21	4.15	0.255556	335	883	635	649	0.53	1.05							1250	Unknown		
46677	MELO-CORR	YES	126032.9		10.75	29.07	39.82	34640	Valve	24534.83	Valve	15362.35	36	0.312	52	0.15	0.05	1.10	0.20	0.269444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
46679	CLUSTER	YES	126033.2		10.99	28.82	39.82	34640	Valve	24535.07	Valve	15362.11	36	0.312	52	0.35	0.11	2.29	1.26	6:20	335	1023	736	649	0.45	1.15							1250	Unknown		
46682	CLUSTER	YES	126038.8		16.61	23.21	39.82	34640	Valve	24540.69	Valve	15356.49	36	0.312	52	0.29	0.09	2.10	1.35	6:14	335	1040	749	649	0.45	1.16							1250	Unknown		
46685	CLUSTER	YES	126040.1		17.88	21.93	39.82	34640	Valve	24541.96	Valve	15355.22	36	0.312	52	0.23	0.07	28.18	3.05	0.25625	335	896	645	649	0.52	1.03							1250	Unknown		
46703	CLUSTER	YES	126041.6		19.38	20.44	39.82	34640	Valve	24543.46	Valve	15353.72	36	0.312	52	0.19	0.06	4.06	1.04	0.243056	335	1020	735	649	0.46	1.14							1250	Unknown		
46718	CLUSTER	YES	126045.1		22.97	16.84	39.82	34640	Valve	24547.05	Valve	15350.13	36	0.312	52	0.27	0.08	3.94	1.20	0.239583	335	996	717	649	0.47	1.13							1250	Unknown		
46722	CLUSTER	YES	126045.5		23.32	16.49	39.82	34640	Valve	24547.4	Valve	15349.78	36	0.312	52	0.22	0.07	7.19	0.97	6:07	335	966	696	649	0.48	1.10							1250	Unknown		
46726	CLUSTER	YES	126047.2		24.98	14.83	39.82	34640	Valve	24549.06	Valve	15348.12	36	0.312	52	0.38	0.12	14.83	5.22	5:50	335	802	578	649	0.58	0.99							1250	Unknown		
46743	CLUSTER	YES	126048.3		26.14	13.68	39.82	34640	Valve	24550.22	Valve	15346.96	36	0.312	52	0.16	0.05	2.33	1.29	0.241667	335	1054	759	649	0.44	1.17							1250	Unknown		
46746	CLUSTER	YES	126049.4		27.27	12.54	39.82	34640	Valve	24551.35	Valve	15345.83	36	0.312	52	0.21	0.07	4.25	0.47	0.245833	335	1010	727	649	0.46	1.13							1250	Unknown		
46750	CLUSTER	YES	126050.2		28	11.81	39.82	34640	Valve	24552.08	Valve	15345.1	36	0.312	52	0.23	0.07	9.26	4.53	0.245833	335	943	679	649	0.49	1.08							1250	Unknown		
46762	CLUSTER	YES	126051.1		28.92	10.9	39.82	34640	Valve	24553	Valve	15344.18	36	0.312	52	0.24	0.08	5.98	2.77	5:56	335	970	699	649	0.48	1.11							1250	Unknown		
46768	CLUSTER	YES	126051.5		29.33	10.48	39.82	34640	Valve	24553.41	Valve	15343.77	36	0.312	52	0.19	0.06	8.99	4.27	5:48	335	969	698	649	0.48	1.09							1250	Unknown		
46778	CLUSTER	YES	126052.4		30.24	9.57	39.82	34640	Valve	24554.32	Valve	15342.86	36	0.312	52	0.18	0.06	11.17	0.91	0.24375	335	964	694	649	0.48	1.09							1250	Unknown		
46782	CLUSTER	YES	126052.7		30.48	9.33	39.82	34640	Valve	24554.56	Valve	15342.62	36	0.312	52	0.3	0.09	37.13	5.66	0.243056	335	830	598	649	0.56	1.03							1250	Unknown		
46795	CLUSTER	YES	126053.6		31.43	8.39	39.82	34640	Valve	24555.51	Valve	15341.67	36	0.312	52	0.2	0.06	2.80	1.04	0.242361	335	1040	748	649	0.45	1.16							1250	Unknown		
46821	CLUSTER	YES	126055.8		33.67	6.15	39.82	34640	Valve	24557.75	Valve	15339.43	36	0.312	52	0.3	0.09	70.25	5.31	5:53	335	813	585	649	0.57	1.01							1250	Unknown		
46858	CLUSTER	YES	126058.5		36.34	3.47	39.82	34640	Valve	24560.42	Valve	15336.76	36	0.312	52	0.15	0.05	3.78	1.54	5:49	335	1036	746	649	0.45	1.15							1250	Unknown		
46893	GirthWeld		126062		39.81	39.78	39.78	34650	Valve	24563.89	Valve	15333.29	36	0.312	52					0.417361	335			649								1250	Unknown		
46895	CLUSTER	YES	126062.1		0.15	39.63	39.78	34650	Valve	24564.04	Valve	15333.13	36	0.312	52	0.26	0.08	9.92	2.55	0.25625	335	918	661	649	0.51	1.07							1250	Unknown		
46897	CLUSTER	YES	126062.2		0.18	39.6	39.78	34650	Valve	24564.07	Valve	15333.1	36	0.312	52	0.27	0.08	5.68	1.45	0.240278	335	961	692	649	0.48	1.09							1250	Unknown		
46914	CLUSTER	YES	126063.3		1.29	38.49	39.78	34650	Valve	24565.18	Valve	15332	36	0.312	52	0.33	0.10	14.42	2.64	5:55	335	843	607	649	0.55	1.06							1250	Unknown		
46923	CLUSTER	YES	126064.6		2.59	37.19	39.78	34650	Valve	24566.48	Valve	15330.7	36	0.312	52	0.29	0.09	24.48	3.49	5:49	335	852	613	649	0.55	1.05							1250	Unknown		
46939	CLUSTER	YES	126067.5		5.56	34.22	39.78	34650	Valve	24569.45	Valve	15327.73	36	0.312	52	0.19	0.06	9.04	2.33	0.247917	335	968	697	649	0.48	1.10							1250	Unknown		
46944	MELO-CORR	YES	126068.5		6.54	33.24	39.78	34650	Valve	24570.43	Valve	15326.75	36	0.312	52	0.23	0.07	1.18	0.83	0.25	335	1065	767	649	0.44	1.18							1598	Metal Loss		
46946	CLUSTER	YES	126068.8		6.8	32.98	39.78	34650	Valve	24570.69	Valve	15326.49	36	0.312	52	0.24	0.08	4.73	0.91	0.245139	335	991	713	649	0.47	1.11							1250	Unknown		
46950	CLUSTER	YES	126069.3		7.31	32.47	39.78	34650	Valve	24571.2	Valve	15325.98	36	0.312	52	0.22	0.07	22.02	2.48	5:51	335	910	655	649	0.51	1.04							1250	Unknown		
46961	MELO-CORR	YES	126072.2		10.26	29.52	39.78	34650	Valve	24574.15	Valve	15323.03	36	0.312	52	0.2	0.06	1.97	0.59	6:44	335	1055	759	649	0.44	1.17							1598	Metal Loss		
46963	CLUSTER	YES	126072.6		10.6	29.18	39.78	34650	Valve	24574.49	Valve	15322.69	36	0.312	52	0.21	0.07	5.38	1.07	0.245139	335	993	715	649	0.47	1.11							1250	Unknown		
46966	CLUSTER	YES	126073.3		11.27	28.51	39.78	34650	Valve	24575.16	Valve	15322.02	36	0.312	52	0.5	0.16	20.58	4.81	0.2375	335	683	492	649	0.68	0.94							1250	Unknown		
46976	MELO-CORR	YES	126076.2		14.22	25.56	39.78	34650	Valve	24578.11	Valve	15319.07	36	0.312	52	0.23	0.07	6.30	0.87	0.238889	335	971	699	649	0.48	1.09							1598	Metal Loss		
46977	MELO-CORR	YES	126077.4		15.38	24.4	39.78	34650	Valve	24579.27	Valve	15317.91	36	0.312	52	0.22	0.07	3.39	0.79	6:25	335	1023	737	649	0.45	1.14							1598	Metal Loss		
46979	CLUSTER	YES	126077.4		15.4	24.38	39.78	34650	Valve	24579.29	Valve	15317.89	36	0.312	52	0.24	0.08	4.15	1.29	5:43	335	1002	721	649	0.46	1.13							1250	Unknown		
46982	MELO-CORR	YES	126077.8		15.85	23.93	39.78	34650	Valve	24579.74	Valve	15317.44	36	0.312	52	0.2	0.06	1.50	0.67	0.236806	335	1062	765	649	0.44	1.18							1598	Metal Loss		
46984	CLUSTER	YES	126078.1		16.11	23.67	39.78	34650	Valve	24580	Valve	15317.18	36	0.312	52	0.33	0.10	11.99	1.23	0.238889	335	856	616	649	0.54	1.02							1250	Unknown		
46990	CLUSTER	YES	126079.4		17.38	22.4	39.78	34650	Valve	24581.27	Valve	15315.91	36	0.312	52	0.28	0.09	2.98	0.79	0.236806	335	1017	732	649	0.46	1.13							1250	Unknown		
46993	CLUSTER	YES	126080.1		18.1	21.68	39.78	34650	Valve	24581.99	Valve	15315.19	36	0.312	52	0.24	0.08	7.49	1.23	5:41	335	952	685	649	0.49	1.07							1250	Unknown		
46997	MELO-CORR	YES	126080.4		18.39	21.39	39.78	34650	Valve	24582.28	Valve	15314.9	36	0.312	52	0.27	0.08	2.64	0.47	6:27	335	1028	740	649	0.45	1.15							1598	Metal Loss		
46999	CLUSTER	YES	126080.8		18.78	21	39.78	34650	Valve	24582.67	Valve	15314.51	36	0.312	52	0.18	0.06	2.87	1.20	0.2625	335	1042	750	649	0.45	1.16							1250	Unknown		
47002	CLUSTER	YES	126081.3		19.33	20.45	39.78	34650	Valve	24583.22	Valve	15313.96	36	0.312	52	0.17	0.05	3.43	1.42	0.245833	335	1036	746	649	0.45	1.15							1250	Unknown		
47005	CLUSTER	YES	126082		19.97	19.81	39.78	34650	Valve	24583.86	Valve	15313.32	36	0.312	52	0.17	0.05	3.20	0.79	0.256944	335	1039	748	649	0.45	1.15							1250	Unknown		
47006	MELO-CORR	YES	126082		19.99	19.79	39.78	34650	Valve	24583.88	Valve	15313.3	36	0.312	52	0.19	0.06	1.22	0.47	5:41	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47009	CLUSTER	YES	126082.5		20.53	19.25	39.78	34650	Valve	24584.42	Valve	15312.76	36	0.312	52	0.31	0.10	2.48	0.97	5:41	335	1024	738	649	0.45	1.14							1250	Unknown		
47012	CLUSTER	YES	126082.9		20.89	18.89	39.78	34650	Valve	24584.78	Valve	15312.4	36	0.312	52	0.23	0.07	9.34	1.38	0.2375	335	942	678	649	0.49	1.07							1250	Unknown		
47018	CLUSTER	YES	126083.8		21.85	17.93	39.78	34650	Valve	24585.74	Valve	15311.44	36	0.312	52	0.15	0.05	3.74	1.23	0.263194	335	1037	747	649	0.45	1.15							1250	Unknown		
47020	MELO-CORR	YES	126085.4		23.43	16.35	39.78	34650	Valve	24587.32	Valve	15309.85	36	0.312	52	0.17	0.05	2.84	0.67	0.25625	335	1045	752	649	0.45	1.16							1598	Metal Loss		
47022	CLUSTER	YES	126085.6		23.59	16.19	39.78	34650	Valve	24587.48	Valve	15309.7	36	0.312	52	0.37	0.12	2.47	2.14	5:35	335	1011	728	649	0.46	1.13							1250	Unknown		
47026	CLUSTER	YES	126085.9		23.92	15.86	39.78	34650	Valve	24587.81	Valve	15309.37	36	0.312	52	0.25	0.08	8.39	1.48	5:53	335	937	675	649	0.50	1.08							1250	Unknown		
47031	CLUSTER	YES	126086.9		24.93	14.85	39.78	34650	Valve	24588.82	Valve	15308.36	36	0.312	52	0.23	0.07	6.97	2.67	0.245833	335	963	693	649	0.48	1.11							1250	Unknown		
47036	CLUSTER	YES	126087.7		25.71	14.07	39.78	34650	Valve	24589.6	Valve	15307.58	36	0.312	52	0.15	0.05	5.56	1.29	0.235417	335	1017	732	649	0.46	1.13							1250	Unknown		
47038	CLUSTER	YES	126087.8		25.86	13.92	39.78	34650	Valve	24589.75	Valve	15307.43	36	0.312	52	0.19	0.06	4.80	0.66	0.267361	335	1009	727	649	0.46	1.14							1250	Unknown		
47042	CLUSTER	YES	126089		27.01	12.77	39.78	34650	Valve	24590.9	Valve	15306.28	36	0.312	52	0.31	0.10	5.17	2.70	5:54	335	951	685	649	0.49	1.08							1250	Unknown		
47046	CLUSTER	YES	126089.8		27.82	11.96	39.78	34650	Valve	24591.71	Valve	15305.47	36	0.312	52	0.37	0.12	41.04	6.03	5:44	335	766	552	649	0.61	0.98							1250	Unknown		
47082	CLUSTER	YES	126093.3		31.35	8.43	39.78	34650	Valve	24595.24	Valve	15301.94	36	0.312	52	0.23	0.07	6.95	3.05	0.245139	335	964	694	649	0.48	1.09							1250	Unknown		
47091	CLUSTER	YES	126094.9		32.95	6.83	39.78	34650	Valve	24596.84	Valve	15300.34	36	0.312	52	0.18	0.06	8.84	2.83	0.245833	335	976	702	649	0.48	1.09							1250	Unknown		
47098	CLUSTER	YES	126096		34.03	5.75	39.78	34650	Valve	24597.92	Valve	15299.26	36	0.312	52	0.32	0.10	31.18	3.87	0.24375	335	819	590	649	0.57	0.98							1250	Unknown		
47101	MELO-CORR	YES	126096.4		34.4	5.38	39.78	34650	Valve	24598.29	Valve	15298.89	36	0.312	52	0.2	0.06	1.69	0.51	5:42	335	1059	763	649	0.44	1.18							1598	Metal Loss		
47126	CLUSTER	YES	126098.7		36.75	3.03	39.78	34650	Valve	24600.64	Valve	15296.54	36	0.312	52	0.2	0.06	4.21	0.97	6:07	335	1014	730	649	0.46	1.14							1250	Unknown		
47129	CLUSTER	YES	126099.2		37.21	2.57	39.78	34650	Valve	24601.1	Valve	15296.08	36	0.312	52	0.24	0.08	5.23	2.89	0.246528	335	982	707	649	0.47	1.13							1250	Unknown		
47135	MELO-CORR	YES	126099.4		37.45	2.33	39.78	34650	Valve	24601.34	Valve	15295.84	36	0.312	52	0.21	0.07	1.10	0.51	0.268056	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47137	CLUSTER	YES	126099.9		37.9	1.88	39.78	34650	Valve	24601.79	Valve	15295.39	36	0.312	52	0.29	0.09	14.40	3.39	0.241667	335	873	629	649	0.53	1.05							1250	Unknown		
47145	GirthWeld		126101.8		39.78	39.83	39.83	34660	Valve	24603.67	Valve	15293.51	36	0.312	52					11:38	335			649								1250	Unknown		
47147	CLUSTER	YES	126103.6		1.84	37.99	39.83	34660	Valve	24605.51	Valve	15291.67	36	0.312	52	0.15	0.05	4.42	1.01	6:08	335	1029	741	649	0.45	1.15							1250	Unknown		
47152	CLUSTER	YES	126104		2.22	37.61	39.83	34660	Valve	24605.89	Valve	15291.29	36	0.312	52	0.23	0.07	7.81	1.45	0.242361	335	955	687	649	0.49	1.09							1250	Unknown		
47155	CLUSTER	YES	126104.2		2.4	37.43	39.83	34660	Valve	24606.07	Valve	15291.11	36	0.312	52	0.15	0.05	1.85	0.97	0.263194	335	1062	764	649	0.44	1.18							1250	Unknown		
47161	CLUSTER	YES	126104.8		3.03	36.8	39.83	34660	Valve	24606.7	Valve	15290.48	36	0.312	52	0.43	0.13	50.02	5.34	0.236806	335	707	509	649	0.66	0.99							1250	Unknown		
47196	CLUSTER	YES	126110.9		9.13	30.7	39.83	34660	Valve	24612.8	Valve	15284.38	36	0.312	52	0.42	0.13	24.20	3.39	5:36	335	745	536	649	0.62	0.90							1250	Unknown		
47202	CLUSTER	YES	126111.6		9.86	29.97	39.83	34660	Valve	24613.53	Valve	15283.65	36	0.312	52	0.2	0.06	5.26	0.97	6:09	335	999	719	649	0.47	1.12							1250	Unknown		
47216	MELO-CORR	YES	126114.9		13.18	26.65	39.83	34660	Valve	24616.85	Valve	15280.33	36	0.312	52	0.2	0.06	1.14	0.39	0.253472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47217	MELO-CORR	YES	126116.7		14.98	24.85	39.83	34660	Valve	24618.65	Valve	15278.53	36	0.312	52	0.26	0.08	2.05	0.35	0.244444	335	1045	752	649	0.45	1.16							1598	Metal Loss		
47219	CLUSTER	YES	126117.6		15.87	23.96	39.83	34660	Valve	24619.54	Valve	15277.64	36	0.312	52	0.24	0.08	3.42	1.01	0.240972	335	1017	732	649	0.46	1.13							1250	Unknown		
47221	MELO-CORR	YES	126119.1		17.36	22.47	39.83	34660	Valve	24621.03	Valve	15276.15	36	0.312	52	0.17	0.05	1.22	0.20	5:24	335	1068	769	649	0.44	1.18							1598	Metal Loss		
47222	MELO-CORR	YES	126119.4		17.59	22.24	39.83	34660	Valve	24621.26	Valve	15275.92	36	0.312	52	0.15	0.05	1.14	0.39	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47224	CLUSTER	YES	126121.2		19.48	20.35	39.83	34660	Valve	24623.15	Valve	15274.03	36	0.312	52	0.18	0.06	5.12	1.23	0.248611	335	1009	726	649	0.46	1.13							1250	Unknown		
47226	MELO-CORR	YES	126121.9		20.18	19.65	39.83	34660	Valve	24623.85	Valve	15273.33	36	0.312	52	0.17	0.05	1.97	0.59	0.311806	335	1058	762	649	0.44	1.17							1598	Metal Loss		
47228	CLUSTER	YES	126122.1		20.34	19.49	39.83	34660	Valve	24624.01	Valve	15273.17	36	0.312	52	0.19	0.06	6.14	1.10	0.254167	335	993	715	649	0.47	1.10							1250	Unknown		
47230	CLUSTER	YES	126122.1		20.38	19.45	39.83	34660	Valve	24624.05	Valve	15273.13	36	0.312	52	0.16	0.05	1.40	1.23	6:43	335	1066	768	649	0.44	1.18							1250	Unknown		
47233	MELO-CORR	YES	126123.1		21.33	18.5	39.83	34660	Valve	24625	Valve	15272.18	36	0.312	52	0.25	0.08	4.57	0.98	5:48	335	990	712	649	0.47	1.11							1598	Metal Loss		
47234	MELO-CORR	YES	126124		22.26	17.57	39.83	34660	Valve	24625.93	Valve	15271.25	36	0.312	52	0.2	0.06	3.78	0.91	0.256944	335	1022	736	649	0.46	1.14							1598	Metal Loss		
47236	CLUSTER	YES	126124.9		23.13	16.7	39.83	34660	Valve	24626.8	Valve	15270.38	36	0.312	52	0.53	0.17	14.86	3.58	0.239583	335	679	489	649	0.69	0.82							1250	Unknown		
47243	CLUSTER	YES	126128.3		26.51	13.32	39.83	34660	Valve	24630.18	Valve	15267	36	0.312	52	0.32	0.10	7.94	0.91	0.225	335	899	647	649	0.52	1.05							1250	Unknown		
47245	CLUSTER	YES	126128.4		26.66	13.17	39.83	34660	Valve	24630.33	Valve	15266.85	36	0.312	52	0.3	0.09	2.71	1.76	6:01	335	1020	734	649	0.46	1.15							1250	Unknown		
47249	MELO-CORR	YES	126128.6		26.8	13.03	39.83	34660	Valve	24630.47	Valve	15266.71	36	0.312	52	0.21	0.07	0.98	0.51	6:43	335	1069	769	649	0.44	1.19							1598	Metal Loss		
47251	MELO-CORR	YES	126128.9		27.11	12.72	39.83	34660	Valve	24630.78	Valve	15266.4	36	0.312	52	0.2	0.06	1.14	0.47	0.276389	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47253	CLUSTER	YES	126129		27.27	12.56	39.83	34660	Valve	24630.94	Valve	15266.24	36	0.312	52	0.18	0.06	6.30	0.63	0.224306	335	996	717	649	0.47	1.11							1250	Unknown		
47256	MELO-CORR	YES	126129.5		27.78	12.05	39.83	34660	Valve	24631.45	Valve	15265.73	36	0.312	52	0.23	0.07	2.64	0.55	0.254861	335	1037	747	649	0.45	1.15							1598	Metal Loss		
47257	MELO-CORR	YES	126131.9		30.11	9.72	39.83	34660	Valve	24633.78	Valve	15263.4	36	0.312	52	0.15	0.05	1.10	0.94	5:48	335	1070	770	649	0.43	1.19							1598	Metal Loss		
47258	MELO-CORR	YES	126131.9		30.18	9.65	39.83	34660	Valve	24633.85	Valve	15263.33	36	0.312	52	0.2	0.06	1.38	0.39	6:39	335	1064	766	649	0.44	1.18							1598	Metal Loss		
47260	CLUSTER	YES	126132.3		30.58	9.25	39.83	34660	Valve	24634.25	Valve	15262.93	36	0.312	52	0.18	0.06	4.02	0.69	0.275694	335	1024	737	649	0.45	1.14							1250	Unknown		
47263	CLUSTER	YES	126132.7		30.96	8.87	39.83	34660	Valve	24634.63	Valve	15262.55	36	0.312	52	0.27	0.08	3.48	0.88	0.225	335	1007	725	649	0.46	1.13							1250	Unknown		
47266	MELO-CORR	YES	126133		31.2	8.63	39.83	34660	Valve	24634.87	Valve	15262.31	36	0.312	52	0.16	0.05	3.31	0.47	0.275	335	1040	749	649	0.45	1.15							1598	Metal Loss		
47267	MELO-CORR	YES	126133.1		31.37	8.46	39.83	34660	Valve	24635.04	Valve	15262.14	36	0.312	52	0.19	0.06

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
47381	CLUSTER	YES	126147.4		5.79	34.01	39.8	34670	Valve	24649.29	Valve	15247.89	36	0.312	52	0.15	0.05	3.24	0.57	5:21	335	1044	751	649	0.45	1.16							1250	Unknown		
47383	MELO-CORR	YES	126147.8		6.22	33.58	39.8	34670	Valve	24649.72	Valve	15247.46	36	0.312	52	0.17	0.05	1.18	0.24	5:19	335	1068	769	649	0.44	1.19							1598	Metal Loss		
47385	CLUSTER	YES	126148.1		6.55	33.25	39.8	34670	Valve	24650.05	Valve	15247.13	36	0.312	52	0.16	0.05	2.68	0.32	0.222917	335	1049	755	649	0.44	1.16							1250	Unknown		
47388	CLUSTER	YES	126148.5		6.9	32.89	39.8	34670	Valve	24650.4	Valve	15246.78	36	0.312	52	0.23	0.07	3.79	0.76	0.222222	335	1012	729	649	0.46	1.14							1250	Unknown		
47391	MELO-CORR	YES	126149.3		7.66	32.13	39.8	34670	Valve	24651.16	Valve	15246.02	36	0.312	52	0.19	0.06	1.22	0.47	0.222917	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47393	CLUSTER	YES	126150		8.38	31.42	39.8	34670	Valve	24651.88	Valve	15245.3	36	0.312	52	0.23	0.07	1.78	0.50	5:20	335	1055	759	649	0.44	1.17							1250	Unknown		
47396	CLUSTER	YES	126152.1		10.5	29.3	39.8	34670	Valve	24654	Valve	15243.18	36	0.312	52	0.27	0.08	16.46	2.77	5:53	335	882	635	649	0.53	1.04							1250	Unknown		
47408	CLUSTER	YES	126153.6		12.03	27.76	39.8	34670	Valve	24655.53	Valve	15241.65	36	0.312	52	0.23	0.07	2.83	0.88	0.252778	335	1032	743	649	0.45	1.16							1250	Unknown		
47411	CLUSTER	YES	126154		12.43	27.37	39.8	34670	Valve	24655.93	Valve	15241.25	36	0.312	52	0.38	0.12	9.37	2.92	0.244444	335	841	606	649	0.55	0.99							1250	Unknown		
47418	CLUSTER	YES	126154.9		13.31	26.48	39.8	34670	Valve	24656.81	Valve	15240.37	36	0.312	52	0.32	0.10	17.95	2.61	0.243056	335	839	604	649	0.55	1.05							1250	Unknown		
47430	CLUSTER	YES	126159		17.39	22.41	39.8	34670	Valve	24660.89	Valve	15236.29	36	0.312	52	0.15	0.05	10.01	3.74	5:47	335	988	711	649	0.47	1.10							1250	Unknown		
47439	CLUSTER	YES	126160.1		18.53	21.27	39.8	34670	Valve	24662.03	Valve	15235.15	36	0.312	52	0.17	0.05	6.30	0.94	6:05	335	1001	720	649	0.47	1.12							1250	Unknown		
47442	MELO-CORR	YES	126162.6		20.99	18.8	39.8	34670	Valve	24664.49	Valve	15232.69	36	0.312	52	0.16	0.05	1.14	0.20	0.256944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47443	MELO-CORR	YES	126163.1		21.5	18.29	39.8	34670	Valve	24665	Valve	15232.18	36	0.312	52	0.15	0.05	1.18	0.28	0.257639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47445	CLUSTER	YES	126166.8		25.21	14.59	39.8	34670	Valve	24668.71	Valve	15228.47	36	0.312	52	0.16	0.05	14.18	3.65	0.243056	335	968	697	649	0.48	1.08							1250	Unknown		
47453	GirthWeld		126181.4		39.8	39.81	39.81	34680	Valve	24683.3	Valve	15213.88	36	0.312	52					1:13	335			649									1250	Unknown		
47455	CLUSTER	YES	126207.9		26.52	13.29	39.81	34680	Valve	24709.82	Valve	15187.36	36	0.312	52	0.24	0.08	2.14	0.47	6:12	335	1046	753	649	0.44	1.17							1250	Unknown		
47457	MELO-CORR	YES	126214.3		32.95	6.86	39.81	34680	Valve	24716.25	Valve	15180.93	36	0.312	52	0.2	0.06	1.14	0.20	0.259722	335	1067	768	649	0.44	1.18							1598	Metal Loss		
47458	GirthWeld		126221.2		39.81	39.84	39.84	34690	Valve	24723.11	Valve	15174.07	36	0.312	52					0.431944	335			649									1250	Unknown		
47459	GirthWeld		126261		39.84	39.76	39.77	34700	Valve	24762.95	Valve	15134.23	36	0.312	52					0.493056	335			649									1250	Unknown		
47460	GirthWeld		126300.8		39.76	39.8	39.8	34710	Valve	24802.71	Valve	15094.47	36	0.312	52					2:38	335			649									1250	Unknown		
47461	GirthWeld		126340.6		39.8	39.72	39.72	34720	Valve	24842.51	Valve	15054.67	36	0.312	52					12:48	335			649									1250	Unknown		
47462	GirthWeld		126380.3		39.72	39.8	39.8	34730	Valve	24882.23	Valve	15014.95	36	0.312	52					0.473611	335			649									1250	Unknown		
47463	GirthWeld		126420.1		39.8	39.74	39.74	34740	Valve	24922.03	Valve	14975.15	36	0.312	52					0.441667	335			649									1250	Unknown		
47464	GirthWeld		126459.9		39.74	16.72	16.72	34750	Valve	24961.77	Valve	14935.41	36	0.312	52					0.136111	335			649									1250	Unknown		
47465	GirthWeld		126476.6		16.72	39.78	39.78	34760	Valve	24978.49	Valve	14918.69	36	0.312	52					2:10	335			649									1250	Unknown		
47466	GirthWeld		126516.4		39.78	21.37	21.37	34770	Valve	25018.27	Valve	14878.91	36	0.312	52					10:02	335			649									1250	Unknown		
47467	GirthWeld		126537.7		21.37	18.43	18.43	34780	Valve	25039.64	Valve	14857.54	36	0.312	52					0.398611	335			649									1250	Unknown		
47469	CLUSTER	YES	126539.6		1.86	16.57	18.43	34780	Valve	25041.5	Valve	14855.68	36	0.312	52	0.18	0.06	6.31	1.67	0.247222	335	996	717	649	0.47	1.12							1250	Unknown		
47474	CLUSTER	YES	126540.7		2.98	15.45	18.43	34780	Valve	25042.62	Valve	14854.56	36	0.312	52	0.18	0.06	5.46	0.85	0.244444	335	1005	723	649	0.46	1.12							1250	Unknown		
47478	CLUSTER	YES	126541.9		4.16	14.27	18.43	34780	Valve	25043.8	Valve	14853.38	36	0.312	52	0.17	0.05	4.92	1.13	5:58	335	1015	731	649	0.46	1.13							1250	Unknown		
47481	CLUSTER	YES	126542.7		4.97	13.46	18.43	34780	Valve	25044.61	Valve	14852.57	36	0.312	52	0.19	0.06	5.78	0.50	5:56	335	997	718	649	0.47	1.12							1250	Unknown		
47484	CLUSTER	YES	126543.5		5.79	12.64	18.43	34780	Valve	25045.43	Valve	14851.75	36	0.312	52	0.18	0.06	2.20	0.72	0.252083	335	1053	758	649	0.44	1.17							1250	Unknown		
47487	CLUSTER	YES	126544.9		7.14	11.29	18.43	34780	Valve	25046.78	Valve	14850.4	36	0.312	52	0.34	0.11	22.09	2.26	0.246528	335	814	586	649	0.57	1.01							1250	Unknown		
47503	CLUSTER	YES	126549.2		11.42	7.01	18.43	34780	Valve	25051.06	Valve	14846.12	36	0.312	52	0.27	0.08	10.10	1.82	0.248611	335	910	655	649	0.51	1.05							1250	Unknown		
47511	CLUSTER	YES	126550.9		13.12	5.31	18.43	34780	Valve	25052.76	Valve	14844.42	36	0.312	52	0.2	0.06	1.96	0.63	6:02	335	1055	759	649	0.44	1.17							1250	Unknown		
47514	CLUSTER	YES	126552.6		14.83	3.6	18.43	34780	Valve	25054.47	Valve	14842.71	36	0.312	52	0.37	0.12	5.75	1.23	6:03	335	907	653	649	0.51	1.05							1250	Unknown		
47519	MELO-CORR	YES	126555.8		18.05	0.38	18.43	34780	Valve	25057.69	Valve	14839.49	36	0.312	52	0.15	0.05	1.18	0.47	0.270833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47520	GirthWeld		126556.2		18.43	39.91	39.91	34790	Valve	25058.07	Valve	14839.11	36	0.312	52					0.361111	335			649									1250	Unknown		
47522	CLUSTER	YES	126563.6		7.45	32.46	39.91	34790	Valve	25065.52	Valve	14831.66	36	0.312	52	0.28	0.09	9.40	2.92	0.241667	335	909	655	649	0.51	1.05							1250	Unknown		
47532	CLUSTER	YES	126564.6		8.4	31.5	39.91	34790	Valve	25066.47	Valve	14830.71	36	0.312	52	0.23	0.07	5.02	2.61	5:54	335	990	713	649	0.47	1.11							1250	Unknown		
47537	CLUSTER	YES	126565.2		9.08	30.82	39.91	34790	Valve	25067.15	Valve	14830.03	36	0.312	52	0.19	0.06	7.37	1.48	7:01	335	981	706	649	0.47	1.10							1250	Unknown		
47539	CLUSTER	YES	126565.3		9.09	30.82	39.91	34790	Valve	25067.16	Valve	14830.02	36	0.312	52	0.34	0.11	4.54	0.63	0.245833	335	953	686	649	0.49	1.12							1250	Unknown		
47546	CLUSTER	YES	126566		9.88	30.03	39.91	34790	Valve	25067.95	Valve	14829.23	36	0.312	52	0.26	0.08	9.07	2.77	0.29375	335	925	666	649	0.50	1.10							1250	Unknown		
47547	MELO-CORR	YES	126566.2		9.99	29.92	39.91	34790	Valve	25068.06	Valve	14829.12	36	0.312	52	0.25	0.08	1.10	0.51	0.246528	335	1065	767	649	0.44	1.18							1598	Metal Loss		
47555	CLUSTER	YES	126566.9		10.77	29.14	39.91	34790	Valve	25068.84	Valve	14828.34	36	0.312	52	0.24	0.08	11.24	2.48	7:04	335	924	665	649	0.50	1.09							1250	Unknown		
47559	MELO-CORR	YES	126567.3		11.15	28.75	39.91	34790	Valve	25069.23	Valve	14827.95	36	0.312	52	0.15	0.05	1.22	0.16	5:24	335	1069	769	649	0.44	1.19							1598	Metal Loss		
47565	CLUSTER	YES	126568		11.81	28.1	39.91	34790	Valve	25069.88	Valve	14827.3	36	0.312	52	0.22	0.07	3.74	2.70	0.295833	335	1016	732	649	0.46	1.14							1250	Unknown		
47569	MELO-CORR	YES	126568.2		12.04	27.87	39.91	34790	Valve	25070.11	Valve	14827.07	36	0.312	52	0.16	0.05	1.14	0.47	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47570	MELO-CORR	YES	126568.4		12.27	27.64	39.91	34790	Valve	25070.34	Valve	14826.84	36	0.312	52	0.15	0.05	1.18	0.24	0.2125	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47572	CLUSTER	YES	126568.4		12.27	27.64	39.91	34790	Valve	25070.34	Valve	14826.84	36	0.312	52	0.23	0.07	5.68	1.01	5:52	335	980	705	649	0.47	1.11							1250	Unknown		
47576	CLUSTER	YES	126569.7		13.53	26.38	39.91	34790	Valve	25071.6	Valve	14825.58	36	0.312	52	0.28	0.09	10.30	2.29	5:50	335	902	650	649	0.52	1.08							1250	Unknown		
47582	CLUSTER	YES	126570.9		14.71	25.2	39.91	34790	Valve	25072.78	Valve	14824.4	36	0.312	52	0.16	0.05	2.24	1.07	0.253472	335	1055	760	649	0.44	1.17							1250	Unknown		
47585	CLUSTER	YES	126571.2		15.03	24.88	39.91	34790	Valve	25073.1	Valve	14824.08	36	0.312	52	0.26	0.08	92.21	11.22	0.230556	335	844	608	649	0.55	1.03							1250	Unknown		
47610	CLUSTER	YES	126573		16.82	23.09	39.91	34790	Valve	25074.89	Valve	14822.29	36	0.312	52	0.23	0.07	2.89	0.60	0.290972	335	1032	743	649	0.45	1.16							1250	Unknown		
47709	CLUSTER	YES	126578.5		22.35	17.56	39.91	34790	Valve	25080.42	Valve	14816.76	36	0.312	52	0.19	0.06	4.99	0.50	6:31	335	1007	725	649	0.46	1.11							1250	Unknown		
47713	MELO-CORR	YES	126581.4		25.21	14.7	39.91	34790	Valve	25083.28	Valve	14813.9	36	0.312	52	0.15	0.05	1.22	0.20	6:36	335	1069	769	649	0.44	1.19							1598	Metal Loss		
47714	GirthWeld		126596.1		39.91	39.92	39.92	34800	Valve	25097.98	Valve	14799.2	36	0.312	52					0.540278	335			649									1250	Unknown		
47715	MELO-CORR	YES	126596.3		0.22	39.7	39.92	34800	Valve	25098.2	Valve	14798.98	36	0.312	52	0.16	0.05	1.22	0.55	0.286111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
47716	MELO-CORR	YES	126596.7		0.67	39.25	39.92	34800	Valve	25098.65	Valve	14798.53	36	0.312	52	0.19	0.06	0.94	0.79	0.215278	335	1070	770	649	0.43	1.19							1598	Metal Loss		
47718	CLUSTER	YES	126610.8		14.77	25.15	39.92	34800	Valve	25112.75	Valve	14784.43	36	0.312	52	0.28	0.09	9.11	1.42	6:32	335	912	657	649	0.51	1.07							1250	Unknown		
47724	CLUSTER	YES	126616.7		20.6	19.32	39.92	34800	Valve	25118.58	Valve	14778.6	36	0.312	52	0.15	0.05	9.35	1.82	6:15	335	991	713	649	0.47	1.11							1250	Unknown		
47729	CLUSTER	YES	126633		36.89	3.03	39.92	34800	Valve	25134.87	Valve	14762.31	36	0.312	52	0.16	0.05	7.63	0.91	0.254167	335	995	716	649	0.47	1.10							1250	Unknown		
47734	GirthWeld		126636		39.92	39.46	39.45	34810	Valve	25137.9	Valve	14759.28	36	0.312	52					0.104167	335			649									1250	Unknown		
47736	CLUSTER	YES	126636.1		0.09	39.37	39.45	34810	Valve	25137.99	Valve	14759.19	36	0.312	52	0.16	0.05	15.18	2.39	0.245833	335	966	695	649	0.48	1.09							1250	Unknown		
47745	CLUSTER	YES	126639.7		3.65	35.8	39.45	34810	Valve	25141.56	Valve	14755.62	36	0.312	52	0.2	0.06	4.73	0.60	6:06	335	1006	725	649	0.46	1.13							1250	Unknown		
47748	CLUSTER	YES	126640.3		4.28	35.17	39.45	34810	Valve	25142.18	Valve	14755	36	0.312	52	0.15	0.05	9.47	1.26	6:02	335	990	713	649	0.47	1.10							1250	Unknown		
47756	CLUSTER	YES	126652.6		16.63	22.83	39.45	34810	Valve	25154.53	Valve	14742.65	36	0.312	52	0.17	0.05	10.26	0.88	0.245139	335	974	701	649	0.48	1.09							1250	Unknown		
47760	MELO-CORR	YES	126653.6		17.61	21.84	39.45	34810	Valve	25155.51	Valve	14741.67	36	0.312	52	0.16	0.05	1.14	0.24	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47762	CLUSTER	YES	126659.4		23.41	16.05	39.45	34810	Valve	25161.31	Valve	14735.87	36	0.312	52	0.17	0.05	9.26	1.38	0.247222	335	979	705	649	0.48	1.11							1250	Unknown		
47767	GirthWeld		126675.5		39.46	39.7	39.71	34820	Valve	25177.36	Valve	14719.82	36	0.312	52					10:32	335			649									1250	Unknown		
47768	MELO-CORR	YES	126693.5		18.09	21.61	39.71	34820	Valve	25195.45	Valve	14701.73	36	0.312	52	0.16	0.05	1.22	0.43	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
47769	MELO-CORR	YES	126695.3		19.86	19.85	39.71	34820	Valve	25197.22	Valve	14699.96	36	0.312	52	0.23	0.07	1.10	0.39	0.240972	335	1066	768	649	0.44	1.18							1598	Metal Loss		
47770	MELO-CORR	YES	126706.4		30.94	8.76	39.71	34820	Valve	25208.3	Valve	14688.88	36	0.312	52	0.15	0.05	1.10	0.20	0.254167	335	1070	770	649	0.43	1.19							1598	Metal Loss		
47771	GirthWeld		126715.2		39.7	39.84	39.84	34830	Valve	25217.06	Valve	14680.12	36	0.312	52					0.486111	335			649									1250	Unknown		
47772	MELO-CORR	YES	126746.2		31.01	8.83	39.84	34830	Valve	25248.07	Valve	14649.11	36	0.312	52	0.17	0.05	1.10	0.47	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
47773	GirthWeld		126755		39.84	39.77	39.77	34840	Valve	25256.9	Valve	14640.28	36	0.312	52					12:26	335			649									1250	Unknown		
47775	CLUSTER	YES	126757.8		2.79	36.97	39.77	34840	Valve	25259.69	Valve	14637.49	36	0.312	52	0.16	0.05	6.48	1.32	0.259028	335	1004	723	649	0.46	1.12							1250	Unknown		
47777	CLUSTER	YES	126757.9		2.9	36.87	39.77	34840	Valve	25259.8	Valve	14637.38	36	0.312	52	0.19	0.06	7.03	0.85	0.243056	335	984	708	649	0.47	1.10							1250	Unknown		
47783	CLUSTER	YES	126768.1		13.08	26.69	39.77	34840	Valve	25269.98	Valve	14627.2	36	0.312	52	0.23	0.07	14.17	2.17	0.254861	335	918	661	649	0.51	1.05							1250	Unknown		
47790	CLUSTER	YES	126768.5		13.5	26.27	39.77	34840	Valve	25270.4	Valve	14626.78	36	0.312	52	0.17	0.05	1.18	0.50	5:49	335	1068	769	649	0.44	1.18							1250	Unknown		
47797	CLUSTER	YES	126770.6		15.61	24.16	39.77	34840	Valve	25272.51	Valve	14624.67	36	0.312	52	0.15	0.05	10.33	2.04	6:08	335	986	710	649	0.47	1.10							1250	Unknown		
47807	CLUSTER	YES	126771.6		16.58	23.19	39.77	34840	Valve	25273.48	Valve	14623.7	36	0.312	52	0.19	0.06	10.63	2.48	0.255556	335	960	691	649	0.48	1.10							1250	Unknown		
47815	CLUSTER	YES	126772.6		17.58	22.18	39.77	34840	Valve	25274.48	Valve	14622.7	36	0.312	52	0.22	0.07	12.29	2.73	0.254861	335	932	671	649	0.50	1.08							1250	Unknown		
47827	CLUSTER	YES	126773.7		18.71	21.05	39.77	34840	Valve	25275.61	Valve	14621.57	36	0.312	52	0.24	0.08	6.36	1.92	0.254861	335	965	695	649	0.48	1.08							1250	Unknown		
47833	CLUSTER	YES	126774.2		19.23	20.53	39.77	34840	Valve	25276.13	Valve	14621.05	36	0.312	52	0.15	0.05	5.76	0.32	5:51	335	1015	731	649	0.46	1.13							1250	Unknown		
47835	CLUSTER	YES	126774.4		19.44	20.32	39.77	34840	Valve	25276.34	Valve	14620.84	36	0.312	52	0.25	0.08	5.66	1.10	6:08	335	970	699	649	0.48	1.09							1250	Unknown		
47841	CLUSTER	YES	126775.1		20.12	19.65	39.77	34840	Valve	25277.02	Valve	14620.16	36	0.312	52	0.18	0.06	1.40	1.16	0.259722	335	1065	767	649	0.44	1.18							1250	Unknown		
47844	CLUSTER	YES	126776.1		21.07	18.7	39.77	34840	Valve	25277.97	Valve	14619.21	36	0.312	52	0.31	0.10	21.89	4.65	0.245139	335	839	604	649	0.55	1.06							1250	Unknown		
47853	CLUSTER	YES	126776.9		21.88	17.88	39.77	34840	Valve	25278.78	Valve	14618.4	36	0.312	52	0.3	0.09	2.56	0.82	0.24375	335	1024	737	649	0.45	1.15							1250	Unknown		
47870	CLUSTER	YES	126778		23.05	16.72	39.77	34840	Valve	25279.95	Valve	14617.23	36	0.312	52	0.23	0.07	27.89	5.81	5:47	335	896	645	649	0.52	1.05							1250	Unknown		
47900	MELO-CORR	YES	126780.2		25.16	14.61	39.77	34840	Valve	25282.06	Valve	14615.12	36	0.312	52	0.18	0.06	2.05	0.16	5:52	335	1056	760	649	0.44	1.17							1598	Metal Loss		
47904	CLUSTER	YES	126780.5		25.47	14.29	39.77	34840	Valve	25282.37	Valve	14614.81	36	0.312	52	0.27	0.08	55.60	6.66	0.238889	335	844	608	649	0.55	1.01							1250	Unknown		
47919	MELO-CORR	YES	126781.6		26.63	13.13	39.77	34840	Valve	25283.53	Valve	14613.65	36	0.312	52	0.22	0.07	1.18	0.16	0.248611	335	1066	767	649	0.44	1.18							1598	Metal Loss		
47969	CLUSTER	YES	126785		30	9.76	39.77	34840	Valve	25286.9	Valve	14610.28	36	0.312	52	0.25	0.08	15.72	5.41	0.244444	335	899	647	649	0.52	1.06							1250	Unknown		
47989	CLUSTER	YES	126786.2		31.21	8.56	39.77	34840	Valve	25288.11	Valve	14609.07	36	0.312	52	0.25	0.08	44.74	5.44	5:52	335	867	624	649	0.54	1.04							1250	Unknown		
48051	CLUSTER	YES	126790		34.96	4.8	39.77	34840	Valve	25291.87	Valve	14605.31	36	0.312	52	0.35	0.11	55.30	7.10	5:43	335	774	557	649	0.60	1.01							1250	Unknown		
48084	CLUSTER	YES	126791.2		36.24	3.52	39.77	34840	Valve	25293.14	Valve	14604.04	36	0.312	52	0.25	0.08	2.95	0.79	0.239583	335	1025	738	649	0.45	1.16							1250	Unknown		
48129	GirthWeld		126794.8		39.77	39.98	39.98	34850	Valve	25296.67	Valve	14600.51	36	0.312	52					0.096528	335			649									1250	Unknown		
48131	CLUSTER	YES	126795.3		0.5	39.47	39.98	34850	Valve	25297.17	Valve

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
48362	GirthWeld		127067.6		39.81	39.78	39.78	34920	Valve	25569.48	Valve	14327.7	36	0.312	52					10:00	335			649									1250	Unknown		
48363	MIFE	n/a	127101.1		33.55	6.23	39.78	34920	Valve	25603.03	Valve	14294.15	36	0.312	52					2:26	335			649									2167	Mill Anomaly		
48364	GirthWeld		127107.4		39.78	39.03	39.03	34930	Valve	25609.26	Valve	14287.92	36	0.312	52					0.480556	335			649									1250	Unknown		
48365	GirthWeld		127146.4		39.03	39.8	39.8	34940	Valve	25648.29	Valve	14248.89	36	0.312	52					0.466667	335			649									1250	Unknown		
48366	GirthWeld		127186.2		39.8	39.79	39.79	34950	Valve	25688.09	Valve	14209.09	36	0.312	52					0.5375	335			649									1250	Unknown		
48367	GirthWeld		127226		39.79	39.89	39.88	34960	Valve	25727.88	Valve	14169.3	36	0.312	52					12:12	335			649									1250	Unknown		
48368	GirthWeld		127265.9		39.89	39.87	39.87	34970	Valve	25767.77	Valve	14129.41	36	0.312	52					1:34	335			649									1250	Unknown		
48369	MELO-CORR	YES	127288.6		22.77	17.1	39.87	34970	Valve	25790.54	Valve	14106.64	36	0.312	52	0.16	0.05	1.10	0.20	0.25625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48370	GirthWeld		127305.7		39.87	39.69	39.69	34980	Valve	25807.64	Valve	14089.54	36	0.312	52					0.361111	335			649									1250	Unknown		
48371	GirthWeld		127345.4		39.69	29.37	29.36	34990	Valve	25847.33	Valve	14049.85	36	0.312	52					0.454861	335			649									1250	Unknown		
48373	CLUSTER	YES	127354.4		8.93	20.43	29.36	34990	Valve	25856.26	Valve	14040.92	36	0.312	52	0.15	0.05	3.80	0.47	5:51	335	1036	746	649	0.45	1.15							1250	Unknown		
48377	CLUSTER	YES	127365.9		20.48	8.88	29.36	34990	Valve	25867.81	Valve	14029.37	36	0.312	52	0.16	0.05	8.18	1.32	5:46	335	991	714	649	0.47	1.12							1250	Unknown		
48381	GirthWeld		127374.8		29.37	39.85	39.85	35000	Valve	25876.7	Valve	14020.48	36	0.312	52					0.531944	335			649									1250	Unknown		
48382	MELO-CORR	YES	127385.7		10.94	28.91	39.85	35000	Valve	25887.64	Valve	14009.54	36	0.312	52	0.16	0.05	1.14	0.20	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48384	CLUSTER	YES	127393.6		18.84	21.01	39.85	35000	Valve	25895.54	Valve	14001.64	36	0.312	52	0.18	0.06	8.62	0.85	0.244444	335	977	704	649	0.48	1.11							1250	Unknown		
48389	CLUSTER	YES	127395.7		20.92	18.93	39.85	35000	Valve	25897.62	Valve	13999.56	36	0.312	52	0.16	0.05	9.35	2.39	5:51	335	985	709	649	0.47	1.10							1250	Unknown		
48395	CLUSTER	YES	127396.9		22.13	17.71	39.85	35000	Valve	25898.83	Valve	13998.35	36	0.312	52	0.19	0.06	8.98	0.66	5:50	335	969	698	649	0.48	1.10							1250	Unknown		
48400	CLUSTER	YES	127408.9		34.1	5.75	39.85	35000	Valve	25910.8	Valve	13986.38	36	0.312	52	0.15	0.05	10.70	1.32	0.238194	335	985	709	649	0.47	1.10							1250	Unknown		
48402	MELO-CORR	YES	127409.1		34.26	5.58	39.85	35000	Valve	25910.96	Valve	13986.22	36	0.312	52	0.17	0.05	1.10	0.39	0.209028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48407	MELO-CORR	YES	127410.9		36.12	3.72	39.85	35000	Valve	25912.82	Valve	13984.36	36	0.312	52	0.17	0.05	1.10	0.20	0.239583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48408	GirthWeld		127414.6		39.84	39.83	39.82	35010	Valve	25916.54	Valve	13980.64	36	0.312	52					2:22	335			649									1250	Unknown		
48409	MELO-CORR	YES	127417.8		3.21	36.62	39.82	35010	Valve	25919.75	Valve	13977.43	36	0.312	52	0.17	0.05	1.10	0.16	6:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48410	AS_Casing		127431		16.37	23.46	39.82	35010	Valve	25932.91	Valve	13964.27	36	0.312	52						335			649									1590	Casing		
48412	CLUSTER	YES	127435.5		20.83	19	39.82	35010	Valve	25937.37	Valve	13959.81	36	0.312	52	0.16	0.05	11.83	3.39	0.247222	335	975	702	649	0.48	1.10							1250	Unknown		
48421	CLUSTER	YES	127444		29.37	10.45	39.82	35010	Valve	25945.91	Valve	13951.27	36	0.312	52	0.18	0.06	2.65	1.20	0.256944	335	1046	753	649	0.44	1.17							1250	Unknown		
48425	CLUSTER	YES	127445.7		31.07	8.75	39.82	35010	Valve	25947.61	Valve	13949.57	36	0.312	52	0.15	0.05	2.57	2.58	6:12	335	1053	758	649	0.44	1.17							1250	Unknown		
48429	CLUSTER	YES	127450.1		35.42	4.41	39.82	35010	Valve	25951.96	Valve	13945.22	36	0.312	52	0.15	0.05	13.15	0.88	6:13	335	977	704	649	0.48	1.09							1250	Unknown		
48436	GirthWeld		127454.5		39.83	39.79	39.8	35020	Valve	25956.37	Valve	13940.81	36	0.312	52					0.414583	335			649									1250	Unknown		
48438	CLUSTER	YES	127468.6		14.13	25.66	39.8	35020	Valve	25970.5	Valve	13926.68	36	0.312	52	0.16	0.05	1.42	0.79	0.260417	335	1066	768	649	0.44	1.18							1250	Unknown		
48440	AE_Casing		127494		39.5	0.29	39.8	35020	Valve	25995.87	Valve	13901.31	36	0.312	52						335			649									1590	Casing		
48441	GirthWeld		127494.3		39.79	37.9	37.9	35030	Valve	25996.16	Valve	13901.02	36	0.312	52					10:58	335			649									1250	Unknown		
48442	GirthWeld		127532.2		37.9	33.79	33.79	35040	Valve	26034.06	Valve	13863.12	36	0.312	52					1:36	335			649									1250	Unknown		
48443	MELO-CORR	YES	127553.2		21.07	12.73	33.79	35040	Valve	26055.13	Valve	13842.05	36	0.312	52	0.15	0.05	1.10	0.16	0.245139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
48444	GirthWeld		127565.9		33.79	39.02	39.01	35050	Valve	26067.85	Valve	13829.33	36	0.312	52					0.115972	335			649									1250	Unknown		
48445	GirthWeld		127605		39.02	39.45	39.46	35060	Valve	26106.87	Valve	13790.31	36	0.312	52					0.125	335			649									1250	Unknown		
48446	GirthWeld		127644.4		39.45	39.8	39.79	35070	Valve	26146.32	Valve	13750.86	36	0.312	52					1:27	335			649									1250	Unknown		
48447	GirthWeld		127684.2		39.8	39.18	39.19	35080	Valve	26186.12	Valve	13711.06	36	0.312	52					11:34	335			649									1250	Unknown		
48448	GirthWeld		127723.4		39.18	39.81	39.81	35090	Valve	26225.3	Valve	13671.88	36	0.312	52					0.434722	335			649									1250	Unknown		
48450	CLUSTER	YES	127738.3		14.91	24.9	39.81	35090	Valve	26240.21	Valve	13656.97	36	0.312	52	0.16	0.05	1.55	0.91	0.254861	335	1065	767	649	0.44	1.18							1250	Unknown		
48452	GirthWeld		127763.2		39.81	39.85	39.85	35100	Valve	26265.11	Valve	13632.07	36	0.312	52					0.536111	335			649									1250	Unknown		
48453	GirthWeld		127803.1		39.85	39.81	39.8	35110	Valve	26304.96	Valve	13592.22	36	0.312	52					2:06	335			649									1250	Unknown		
48454	MELO-CORR	YES	127814.6		11.56	28.25	39.8	35110	Valve	26316.52	Valve	13580.66	36	0.312	52	0.17	0.05	1.10	0.20	5:46	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48455	GirthWeld		127842.9		39.81	39.58	39.58	35120	Valve	26344.77	Valve	13552.41	36	0.312	52					0.440278	335			649									1250	Unknown		
48456	GirthWeld		127882.4		39.58	39.8	39.81	35130	Valve	26384.35	Valve	13512.83	36	0.312	52					0.484722	335			649									1250	Unknown		
48457	GirthWeld		127922.2		39.8	38.53	38.53	35140	Valve	26424.15	Valve	13473.03	36	0.312	52					0.104861	335			649									1250	Unknown		
48458	GirthWeld		127960.8		38.53	39.72	39.72	35150	Valve	26462.68	Valve	13434.5	36	0.312	52					1:24	335			649									1250	Unknown		
48459	GirthWeld		128000.5		39.72	39.75	39.75	35160	Valve	26502.4	Valve	13394.78	36	0.312	52					11:53	335			649									1250	Unknown		
48460	GirthWeld		128040.2		39.75	39.6	39.6	35170	Valve	26542.15	Valve	13355.03	36	0.312	52					0.448611	335			649									1250	Unknown		
48461	GirthWeld		128079.8		39.6	39.13	39.12	35180	Valve	26581.75	Valve	13315.43	36	0.312	52					0.093056	335			649									1250	Unknown		
48462	GirthWeld		128119		39.13	39.85	39.85	35190	Valve	26620.88	Valve	13276.3	36	0.312	52					0.05	335			649									1250	Unknown		
48463	GirthWeld		128158.8		39.85	38.9	38.9	35200	Valve	26660.73	Valve	13236.45	36	0.312	52					11:04	335			649									1250	Unknown		
48464	GirthWeld		128197.7		38.9	39.8	39.81	35210	Valve	26699.63	Valve	13197.55	36	0.312	52					11:54	335			649									1250	Unknown		
48465	GirthWeld		128237.5		39.8	14.51	14.51	35220	Valve	26739.43	Valve	13157.74	36	0.312	52					0.141667	335			649									1250	Unknown		
48467	CLUSTER	YES	128250.6		13.09	1.43	14.51	35220	Valve	26752.52	Valve	13144.66	36	0.312	52	0.28	0.09	11.81	0.97	0.240972	335	893	643	649	0.52	1.05							1250	Unknown		
48474	GirthWeld		128252		14.52	39.72	39.72	35230	Valve	26753.95	Valve	13143.23	36	0.312	52					0.419444	335			649									1250	Unknown		
48476	CLUSTER	YES	128252.7		0.69	39.03	39.72	35230	Valve	26754.64	Valve	13142.54	36	0.312	52	0.16	0.05	2.72	0.50	5:51	335	1049	755	649	0.44	1.17							1250	Unknown		
48478	MELO-CORR	YES	128254		1.91	37.82	39.72	35230	Valve	26755.86	Valve	13141.32	36	0.312	52	0.15	0.05	1.22	0.39	6:06	335	1069	769	649	0.44	1.19							1598	Metal Loss		
48479	MELO-CORR	YES	128254.2		2.11	37.61	39.72	35230	Valve	26756.06	Valve	13141.12	36	0.312	52	0.24	0.08	1.10	0.20	0.244444	335	1066	767	649	0.44	1.18							1598	Metal Loss		
48481	CLUSTER	YES	128256		3.94	35.78	39.72	35230	Valve	26757.89	Valve	13139.29	36	0.312	52	0.23	0.07	24.68	4.15	0.240972	335	900	648	649	0.52	1.07							1250	Unknown		
48497	MELO-CORR	YES	128258.4		6.4	33.32	39.72	35230	Valve	26760.35	Valve	13136.83	36	0.312	52	0.15	0.05	1.22	0.20	0.243056	335	1069	769	649	0.44	1.19							1598	Metal Loss		
48498	MELO-CORR	YES	128258.7		6.65	33.08	39.72	35230	Valve	26760.6	Valve	13136.58	36	0.312	52	0.15	0.05	1.81	0.35	5:52	335	1062	765	649	0.44	1.18							1598	Metal Loss		
48500	CLUSTER	YES	128259.1		7.02	32.71	39.72	35230	Valve	26760.97	Valve	13136.21	36	0.312	52	0.15	0.05	7.08	4.87	5:53	335	1004	723	649	0.46	1.12							1250	Unknown		
48503	MELO-CORR	YES	128259.4		7.34	32.38	39.72	35230	Valve	26761.29	Valve	13135.89	36	0.312	52	0.17	0.05	1.14	0.55	0.240278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
48506	MELO-CORR	YES	128259.7		7.7	32.02	39.72	35230	Valve	26761.65	Valve	13135.53	36	0.312	52	0.15	0.05	1.10	0.16	0.244444	335	1070	770	649	0.43	1.19							1598	Metal Loss		
48508	CLUSTER	YES	128261.1		9.06	30.66	39.72	35230	Valve	26763.01	Valve	13134.17	36	0.312	52	0.3	0.09	6.08	1.16	0.240972	335	938	675	649	0.50	1.11							1250	Unknown		
48513	CLUSTER	YES	128261.7		9.65	30.07	39.72	35230	Valve	26763.6	Valve	13133.58	36	0.312	52	0.16	0.05	8.74	2.42	6:08	335	988	711	649	0.47	1.11							1250	Unknown		
48516	CLUSTER	YES	128261.7		9.69	30.03	39.72	35230	Valve	26763.64	Valve	13133.54	36	0.312	52	0.3	0.09	3.16	1.20	5:47	335	1007	725	649	0.46	1.14							1250	Unknown		
48527	CLUSTER	YES	128262.5		10.5	29.22	39.72	35230	Valve	26764.45	Valve	13132.73	36	0.312	52	0.28	0.09	7.19	3.02	0.24375	335	932	671	649	0.50	1.09							1250	Unknown		
48535	CLUSTER	YES	128263.9		11.88	27.84	39.72	35230	Valve	26765.83	Valve	13131.35	36	0.312	52	0.27	0.08	4.73	1.23	0.240972	335	978	704	649	0.48	1.13							1250	Unknown		
48539	CLUSTER	YES	128264.5		12.43	27.29	39.72	35230	Valve	26766.38	Valve	13130.8	36	0.312	52	0.15	0.05	19.58	4.93	0.24375	335	966	696	649	0.48	1.08							1250	Unknown		
48548	CLUSTER	YES	128265.5		13.46	26.26	39.72	35230	Valve	26767.41	Valve	13129.77	36	0.312	52	0.25	0.08	12.41	1.54	5:46	335	911	656	649	0.51	1.08							1250	Unknown		
48560	CLUSTER	YES	128268		15.97	23.75	39.72	35230	Valve	26769.92	Valve	13127.26	36	0.312	52	0.38	0.12	23.84	1.64	5:46	335	779	561	649	0.60	1.04							1250	Unknown		
48577	CLUSTER	YES	128269.9		17.86	21.86	39.72	35230	Valve	26771.81	Valve	13125.37	36	0.312	52	0.16	0.05	5.00	0.72	0.25625	335	1018	733	649	0.46	1.13							1250	Unknown		
48580	CLUSTER	YES	128270.2		18.12	21.6	39.72	35230	Valve	26772.07	Valve	13125.11	36	0.312	52	0.37	0.12	18.96	6.94	0.239583	335	796	573	649	0.58	1.03							1250	Unknown		
48595	CLUSTER	YES	128272.3		20.25	19.47	39.72	35230	Valve	26774.2	Valve	13122.98	36	0.312	52	0.27	0.08	37.81	4.43	0.240278	335	855	615	649	0.54	1.05							1250	Unknown		
48625	CLUSTER	YES	128276		23.94	15.79	39.72	35230	Valve	26777.89	Valve	13119.29	36	0.312	52	0.16	0.05	12.50	1.01	5:46	335	972	700	649	0.48	1.08							1250	Unknown		
48633	CLUSTER	YES	128277.6		25.56	14.17	39.72	35230	Valve	26779.51	Valve	13117.67	36	0.312	52	0.15	0.05	12.25	1.70	5:45	335	980	706	649	0.47	1.10							1250	Unknown		
48644	CLUSTER	YES	128283		30.93	8.79	39.72	35230	Valve	26784.88	Valve	13112.3	36	0.312	52	0.16	0.05	5.99	0.44	0.243056	335	1008	726	649	0.46	1.11							1250	Unknown		
48647	GirthWeld		128291.8		39.72	17.73	17.72	35240	Valve	26793.67	Valve	13103.51	36	0.312	52					0.456944	335			649									1250	Unknown		
48649	CLUSTER	YES	128291.8		0.08	17.64	17.72	35240	Valve	26793.75	Valve	13103.43	36	0.312	52	0.19	0.06	13.57	4.71	0.241667	335	949	683	649	0.49	1.09							1250	Unknown		
48662	CLUSTER	YES	128293.4		1.65	16.07	17.72	35240	Valve	26795.32	Valve	13101.85	36	0.312	52	0.18	0.06	23.36	1.10	5:48	335	940	677	649	0.50	1.07							1250	Unknown		
48670	MELO-CORR	YES	128295.5		3.69	14.04	17.72	35240	Valve	26797.36	Valve	13099.82	36	0.312	52	0.16	0.05	1.14	0.16	5:49	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48672	CLUSTER	YES	128296.1		4.3	13.43	17.72	35240	Valve	26797.97	Valve	13099.21	36	0.312	52	0.18	0.06	12.82	3.08	0.245139	335	958	690	649	0.49	1.08							1250	Unknown		
48681	CLUSTER	YES	128297.8		6.07	11.65	17.72	35240	Valve	26799.74	Valve	13097.44	36	0.312	52	0.27	0.08	7.73	1.92	0.242361	335	932	671	649	0.50	1.07							1250	Unknown		
48683	CLUSTER	YES	128297.9		6.16	11.57	17.72	35240	Valve	26799.83	Valve	13097.35	36	0.312	52	0.17	0.05	2.51	0.76	0.207639	335	1050	756	649	0.44	1.17							1250	Unknown		
48689	MELO-CORR	YES	128299.1		7.35	10.38	17.72	35240	Valve	26801.02	Valve	13096.16	36	0.312	52	0.17	0.05	1.22	0.20	4:54	335	1068	769	649	0.44	1.18							1598	Metal Loss		
48691	CLUSTER	YES	128299.9		8.15	9.58	17.72	35240	Valve	26801.82	Valve	13095.36	36	0.312	52	0.23	0.07	9.41	2.48	4:52	335	941	678	649	0.49	1.10							1250	Unknown		
48694	CLUSTER	YES	128300.2		8.39	9.34	17.72	35240	Valve	26802.06	Valve	13095.12	36	0.312	52	0.22	0.07	5.52	1.07	0.241667	335	987	710	649	0.47	1.11							1250	Unknown		
48703	CLUSTER	YES	128300.8		9.03	8.7	17.72	35240	Valve	26802.7	Valve	13094.48	36	0.312	52	0.15	0.05	6.47	2.52	0.204861	335	1009	726	649	0.46	1.12							1250	Unknown		
48708	CLUSTER	YES	128301.8		10.04	7.69	17.72	35240	Valve	26803.71	Valve	13093.47	36	0.312	52	0.16	0.05	4.88	1.07	0.239583	335	1020	734	649	0.46	1.13							1250	Unknown		
48714	CLUSTER	YES	128302.8		11	6.73	17.72	35240	Valve	26804.67	Valve	13092.51	36	0.312	52	0.27	0.08	6.11	1.57	6:11	335	954	687	649	0.49	1.07							1250	Unknown		
48718	CLUSTER	YES	128303		11.21	6.51	17.72	35240	Valve	26804.88	Valve	13092.3	36	0.312	52	0.27	0.08	3.96	0.88	5:49	335	995	716	649	0.47	1.13							1250	Unknown		
48722	MELO-CORR	YES	128303.3		11.49	6.24	17.72	35240	Valve	26805.16	Valve	13092.02	36	0.312	52	0.17	0.05	1.81	0.43	0.220139	335	1060	763	649	0.44	1.18							1598	Metal Loss		
48724	CLUSTER	YES	128303.7		11.96	5.76	17.72	35240	Valve	26805.63	Valve	13091.55	36	0.312	52	0.16	0.05	5.74	1.82	0.256944	335	1010	728	649	0.46	1.13							1250	Unknown		
48727	MELO-CORR	YES	128306		14.28	3.45	17.72	35240	Valve	26807.95	Valve	13089.23	36	0.312	52	0.23	0.07	1.18	0.43	0.256944	335	1065	767	649	0.44	1.18							1598	Metal Loss		
48729	CLUSTER	YES	128306.1		14.3	3.42	17.72	35240	Valve	26807.97	Valve	13089.21	36	0.312	52	0.15	0.05	4.67	0.79	5:31	335	1026	738	649	0.45	1.14							1250	Unknown		
48731	MELO-CORR	YES	128306.8		15.03	2.7	17.72	35240	Valve	26808.7	Valve	13088.48	36	0.312	52	0.15	0.05	1.14	0.20	6:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
48733	CLUSTER	YES	128307.4		15.67	2.06	17.72	35240	Valve	26809.34	Valve	13087.84	36	0.312	52	0.29	0.09	22.61	3.90	0.240972	335	854	615	649	0.54	1.01							1250	Unknown		
48752	GirthWeld		128309.5		17.73	39.72	39.72	35250	Valve	26811.4	Valve	13085.78	36	0.312	52					0.046528	335			649									1250	Unknown		
48754	CLUSTER	YES	128311		1.51	38.21	39.72	35250	Valve	26812.91	Valve	13084.27	36	0.312	52	0.19	0.06	4.34	2.86	0.240972	335	1016	732	649	0.46	1.14							1250	Unknown		
48758	CLUSTER	YES	128311.2		1.7	38.02	39.72	35250	Valve	26813.1	Valve	13084.08	36	0.312	52	0.37	0.12	15.92	3.24	6:25	335	806	580	649	0.58	0.97							1250	Unknown		
48767	CLUSTER	YES	128312.8		3.32	36.4	39.72	35250	Valve	26814.72	Valve	13082.46	36	0.312	52	0.2	0.06	20.59	4.49	5:48	335	927	668	649	0.50	1.07							1250	Unknown		
48770	MELO-CORR	YES	128313		3.55	36.16	39.72	35250	Valve	26814.95	Valve	13082.23	36	0.312	52	0.16	0.05	1.18	0.79	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
48788	CLUSTER	YES	128314.5		5.02	34.69	39.72	35250	Valve	26816.42	Valve	13080.76	36	0.312	52	0.3	0.09	15.28	3.58	0.263889	335	863	621	649	0.54	1.06							1250	Unknown		
48797	CL

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
48903	CLUSTER	YES	128343.3		33.79	5.93	39.72	35250	Valve	26845.19	Valve	13051.99	36	0.312	52	0.3	0.09	12.02	1.95	6:08	335	877	632	649	0.53	1.09							1250	Unknown		
48912	CLUSTER	YES	128345.1		35.65	4.07	39.72	35250	Valve	26847.05	Valve	13050.13	36	0.312	52	0.2	0.06	20.10	2.17	6:07	335	928	668	649	0.50	1.07							1250	Unknown		
48917	CLUSTER	YES	128345.8		36.34	3.38	39.72	35250	Valve	26847.74	Valve	13049.44	36	0.312	52	0.17	0.05	10.61	0.69	0.240972	335	973	700	649	0.48	1.10							1250	Unknown		
48926	GirthWeld		128349.2		39.72	39.14	39.14	35260	Valve	26851.12	Valve	13046.06	36	0.312	52					0.115278	335			649									1250	Unknown		
48928	CLUSTER	YES	128349.9		0.69	38.45	39.14	35260	Valve	26851.81	Valve	13045.37	36	0.312	52	0.25	0.08	11.48	1.35	0.25625	335	915	659	649	0.51	1.08							1250	Unknown		
48936	CLUSTER	YES	128352		2.74	36.39	39.14	35260	Valve	26853.87	Valve	13043.31	36	0.312	52	0.26	0.08	14.92	1.98	6:08	335	894	644	649	0.52	1.06							1250	Unknown		
48946	CLUSTER	YES	128353.9		4.72	34.42	39.14	35260	Valve	26855.84	Valve	13041.34	36	0.312	52	0.16	0.05	9.70	1.13	5:50	335	983	708	649	0.47	1.10							1250	Unknown		
48949	CLUSTER	YES	128354.3		5.12	34.02	39.14	35260	Valve	26856.24	Valve	13040.94	36	0.312	52	0.17	0.05	3.89	1.13	0.256944	335	1029	741	649	0.45	1.15							1250	Unknown		
48954	CLUSTER	YES	128358.6		9.42	29.71	39.14	35260	Valve	26860.54	Valve	13036.63	36	0.312	52	0.23	0.07	12.24	1.38	0.256944	335	926	667	649	0.50	1.08							1250	Unknown		
48961	CLUSTER	YES	128360.7		11.51	27.62	39.14	35260	Valve	26862.64	Valve	13034.54	36	0.312	52	0.28	0.09	14.30	1.54	0.257639	335	881	635	649	0.53	1.04							1250	Unknown		
48969	CLUSTER	YES	128365.8		16.58	22.55	39.14	35260	Valve	26867.7	Valve	13029.48	36	0.312	52	0.21	0.07	17.75	1.73	6:10	335	924	665	649	0.50	1.06							1250	Unknown		
48982	CLUSTER	YES	128367.6		18.43	20.7	39.14	35260	Valve	26869.55	Valve	13027.63	36	0.312	52	0.16	0.05	3.91	1.48	6:12	335	1032	743	649	0.45	1.15							1250	Unknown		
48987	CLUSTER	YES	128368.5		19.26	19.87	39.14	35260	Valve	26870.39	Valve	13026.79	36	0.312	52	0.15	0.05	16.61	1.89	0.258333	335	970	699	649	0.48	1.09							1250	Unknown		
49000	MELO-CORR	YES	128371.6		22.43	16.71	39.14	35260	Valve	26873.55	Valve	13023.63	36	0.312	52	0.17	0.05	1.14	0.47	0.263889	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49001	MELO-CORR	YES	128372.5		23.32	15.81	39.14	35260	Valve	26874.45	Valve	13022.73	36	0.312	52	0.18	0.06	1.14	0.35	0.261111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49003	CLUSTER	YES	128372.8		23.62	15.52	39.14	35260	Valve	26874.74	Valve	13022.44	36	0.312	52	0.17	0.05	1.24	0.76	6:15	335	1068	769	649	0.44	1.18							1250	Unknown		
49006	CLUSTER	YES	128376.3		27.12	12.02	39.14	35260	Valve	26878.24	Valve	13018.94	36	0.312	52	0.18	0.06	5.52	3.71	5:54	335	1004	723	649	0.46	1.13							1250	Unknown		
49010	GirthWeld		128388.4		39.13	19.87	19.87	35270	Valve	26890.26	Valve	13006.92	36	0.312	52					0.4625	335			649									1250	Unknown		
49012	CLUSTER	YES	128392.7		4.33	15.54	19.87	35270	Valve	26894.59	Valve	13002.59	36	0.312	52	0.17	0.05	9.32	1.20	0.255556	335	979	705	649	0.48	1.09							1250	Unknown		
49019	CLUSTER	YES	128403.4		15.06	4.81	19.87	35270	Valve	26905.32	Valve	12991.86	36	0.312	52	0.24	0.08	4.61	2.96	0.256944	335	993	715	649	0.47	1.12							1250	Unknown		
49024	CLUSTER	YES	128403.9		15.58	4.28	19.87	35270	Valve	26905.84	Valve	12991.34	36	0.312	52	0.21	0.07	3.38	0.94	6:11	335	1026	739	649	0.45	1.15							1250	Unknown		
49028	CLUSTER	YES	128407.1		18.75	1.11	19.87	35270	Valve	26909.01	Valve	12988.17	36	0.312	52	0.15	0.05	5.88	0.28	5:49	335	1014	730	649	0.46	1.13							1250	Unknown		
49030	CLUSTER	YES	128407.1		18.76	1.11	19.87	35270	Valve	26909.02	Valve	12988.16	36	0.312	52	0.16	0.05	10.26	2.11	0.255556	335	980	706	649	0.47	1.10							1250	Unknown		
49037	GirthWeld		128408.2		19.86	19.24	19.24	35280	Valve	26910.12	Valve	12987.06	36	0.312	52					0.495139	335			649									1250	Unknown		
49039	CLUSTER	YES	128410.6		2.41	16.83	19.24	35280	Valve	26912.53	Valve	12984.65	36	0.312	52	0.16	0.05	5.44	1.26	0.25625	335	1014	730	649	0.46	1.13							1250	Unknown		
49042	CLUSTER	YES	128412.6		4.4	14.84	19.24	35280	Valve	26914.53	Valve	12982.65	36	0.312	52	0.19	0.06	9.71	1.92	6:05	335	965	694	649	0.48	1.09							1250	Unknown		
49048	CLUSTER	YES	128415		6.81	12.43	19.24	35280	Valve	26916.93	Valve	12980.25	36	0.312	52	0.18	0.06	10.87	2.86	6:10	335	965	695	649	0.48	1.09							1250	Unknown		
49058	GirthWeld		128427.5		19.24	39.85	39.85	35290	Valve	26929.36	Valve	12967.82	36	0.312	52					0.464583	335			649									1250	Unknown		
49059	AE_Casing		128441.8		14.33	25.52	39.85	35290	Valve	26943.69	Valve	12953.49	36	0.312	52						335			649									1590	Casing		
49060	MELO-CORR	YES	128450.5		23.01	16.84	39.85	35290	Valve	26952.37	Valve	12944.81	36	0.312	52	0.16	0.05	1.10	0.16	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49061	MELO-CORR	YES	128451.7		24.26	15.59	39.85	35290	Valve	26953.62	Valve	12943.56	36	0.312	52	0.15	0.05	1.10	0.39	5:52	335	1070	770	649	0.43	1.19							1598	Metal Loss		
49062	MELO-CORR	YES	128459.4		31.99	7.86	39.85	35290	Valve	26961.35	Valve	12935.83	36	0.312	52	0.16	0.05	1.22	0.20	6:08	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49063	GirthWeld		128467.3		39.85	39.78	39.78	35300	Valve	26969.21	Valve	12927.97	36	0.312	52					0.505556	335			649									1250	Unknown		
49064	GirthWeld		128507.1		39.78	38.99	38.99	35310	Valve	27008.99	Valve	12888.19	36	0.312	52					0.045833	335			649									1250	Unknown		
49065	GirthWeld		128546.1		38.99	39.43	39.43	35320	Valve	27047.98	Valve	12849.2	36	0.312	52					0.411111	335			649									1250	Unknown		
49066	GirthWeld		128585.5		39.43	39.23	39.23	35330	Valve	27087.41	Valve	12809.77	36	0.312	52					10:56	335			649									1250	Unknown		
49067	GirthWeld		128624.7		39.23	39.88	39.88	35340	Valve	27126.64	Valve	12770.54	36	0.312	52					12:58	335			649									1250	Unknown		
49068	GirthWeld		128664.6		39.88	39.76	39.75	35350	Valve	27166.52	Valve	12730.66	36	0.312	52					0.080556	335			649									1250	Unknown		
49069	GirthWeld		128704.4		39.76	39.8	39.81	35360	Valve	27206.28	Valve	12690.9	36	0.312	52					0.402778	335			649									1250	Unknown		
49070	GirthWeld		128744.2		39.8	39.51	39.5	35370	Valve	27246.08	Valve	12651.1	36	0.312	52					0.461111	335			649									1250	Unknown		
49071	GirthWeld		128783.7		39.51	40.06	40.07	35380	Valve	27285.59	Valve	12611.59	36	0.312	52					2:34	335			649									1250	Unknown		
49072	GirthWeld		128823.7		40.06	39.8	39.79	35390	Valve	27325.65	Valve	12571.53	36	0.312	52					4:00	335			649									1250	Unknown		
49073	GirthWeld		128863.5		39.79	39.74	39.74	35400	Valve	27365.45	Valve	12531.73	36	0.312	52					0.420833	335			649									1250	Unknown		
49074	GirthWeld		128903.3		39.74	39.67	39.68	35410	Valve	27405.19	Valve	12491.99	36	0.312	52					0.476389	335			649									1250	Unknown		
49075	GirthWeld		128943		39.67	39.8	39.8	35420	Valve	27444.86	Valve	12452.32	36	0.312	52					0.5375	335			649									1250	Unknown		
49076	GirthWeld		128982.8		39.8	39.73	39.73	35430	Valve	27484.66	Valve	12412.52	36	0.312	52					2:32	335			649									1250	Unknown		
49077	GirthWeld		129022.5		39.73	39.41	39.41	35440	Valve	27524.39	Valve	12372.79	36	0.312	52					10:29	335			649									1250	Unknown		
49079	CLUSTER	YES	129040.3		17.83	21.58	39.41	35440	Valve	27542.22	Valve	12354.96	36	0.312	52	0.15	0.05	4.88	1.16	0.24375	335	1023	737	649	0.45	1.14							1250	Unknown		
49082	CLUSTER	YES	129040.9		18.4	21.01	39.41	35440	Valve	27542.79	Valve	12354.39	36	0.312	52	0.16	0.05	6.83	0.76	0.252083	335	1001	721	649	0.46	1.12							1250	Unknown		
49086	CLUSTER	YES	129058.9		36.45	2.96	39.41	35440	Valve	27560.84	Valve	12336.34	36	0.312	52	0.17	0.05	5.06	0.85	0.243056	335	1013	730	649	0.46	1.13							1250	Unknown		
49089	GirthWeld		129061.9		39.41	21.29	21.29	35450	Valve	27563.8	Valve	12333.38	36	0.312	52					11:22	335			649									1250	Unknown		
49090	GirthWeld		129083.2		21.29	17.08	17.07	35460	Valve	27585.09	Valve	12312.09	36	0.312	52					10:43	335			649									1250	Unknown		
49091	MELO-CORR	YES	129093.1		9.93	7.15	17.07	35460	Valve	27595.02	Valve	12302.16	36	0.312	52	0.19	0.06	1.22	0.43	0.2625	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49092	MELO-CORR	YES	129098.6		15.4	1.68	17.07	35460	Valve	27600.49	Valve	12296.69	36	0.312	52	0.16	0.05	3.27	0.55	0.252083	335	1041	749	649	0.45	1.15							1598	Metal Loss		
49093	GirthWeld		129100.3		17.08	39.83	39.83	35470	Valve	27602.17	Valve	12295.01	36	0.312	52					0.536111	335			649									1250	Unknown		
49094	MELO-CORR	YES	129107.5		7.19	32.64	39.83	35470	Valve	27609.36	Valve	12287.82	36	0.312	52	0.22	0.07	0.91	0.43	5:50	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49096	CLUSTER	YES	129109.2		8.96	30.88	39.83	35470	Valve	27611.13	Valve	12286.05	36	0.312	52	0.24	0.08	3.19	1.89	5:49	335	1022	736	649	0.46	1.16							1250	Unknown		
49099	CLUSTER	YES	129109.8		9.51	30.32	39.83	35470	Valve	27611.68	Valve	12285.5	36	0.312	52	0.22	0.07	5.41	1.95	0.241667	335	988	712	649	0.47	1.13							1250	Unknown		
49105	CLUSTER	YES	129111.3		11	28.83	39.83	35470	Valve	27613.17	Valve	12284.01	36	0.312	52	0.19	0.06	4.34	1.10	0.243056	335	1016	732	649	0.46	1.14							1250	Unknown		
49108	CLUSTER	YES	129114		13.71	26.12	39.83	35470	Valve	27615.88	Valve	12281.3	36	0.312	52	0.15	0.05	5.24	2.58	0.252778	335	1020	734	649	0.46	1.14							1250	Unknown		
49111	CLUSTER	YES	129124.9		24.64	15.19	39.83	35470	Valve	27626.81	Valve	12270.37	36	0.312	52	0.16	0.05	4.49	0.72	6:18	335	1024	738	649	0.45	1.14							1250	Unknown		
49115	CLUSTER	YES	129137.2		36.98	2.85	39.83	35470	Valve	27639.15	Valve	12258.03	36	0.312	52	0.18	0.06	3.49	0.69	5:46	335	1032	743	649	0.45	1.15							1250	Unknown		
49117	GirthWeld		129140.1		39.83	39.78	39.78	35480	Valve	27642	Valve	12255.18	36	0.312	52					0.0875	335			649									1250	Unknown		
49118	MELO-CORR	YES	129144.8		4.69	35.09	39.78	35480	Valve	27646.69	Valve	12250.49	36	0.312	52	0.22	0.07	2.44	0.55	0.240972	335	1043	751	649	0.45	1.16							1598	Metal Loss		
49120	CLUSTER	YES	129145.8		5.73	34.05	39.78	35480	Valve	27647.73	Valve	12249.45	36	0.312	52	0.15	0.05	5.14	2.96	0.252083	335	1021	735	649	0.46	1.14							1250	Unknown		
49124	CLUSTER	YES	129153.6		13.52	26.26	39.78	35480	Valve	27655.52	Valve	12241.66	36	0.312	52	0.2	0.06	5.82	1.73	5:52	335	992	714	649	0.47	1.11							1250	Unknown		
49128	MELO-CORR	YES	129161.2		21.1	18.68	39.78	35480	Valve	27663.1	Valve	12234.08	36	0.312	52	0.16	0.05	1.22	0.16	5:50	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49129	GirthWeld		129179.9		39.78	39.86	39.86	35490	Valve	27681.78	Valve	12215.4	36	0.312	52					0.408333	335			649									1250	Unknown		
49131	CLUSTER	YES	129195.4		15.54	24.32	39.86	35490	Valve	27697.32	Valve	12199.86	36	0.312	52	0.16	0.05	4.67	0.66	0.243056	335	1022	736	649	0.46	1.14							1250	Unknown		
49133	MELO-CORR	YES	129202.3		22.41	17.45	39.86	35490	Valve	27704.19	Valve	12192.99	36	0.312	52	0.16	0.05	1.02	0.39	0.235417	335	1070	770	649	0.43	1.19							1598	Metal Loss		
49135	CLUSTER	YES	129219.1		39.25	0.61	39.86	35490	Valve	27721.03	Valve	12176.15	36	0.312	52	0.17	0.05	1.97	0.66	5:52	335	1058	762	649	0.44	1.17							1250	Unknown		
49137	GirthWeld		129219.7		39.86	18.84	18.85	35500	Valve	27721.64	Valve	12175.54	36	0.312	52					11:38	335			649									1250	Unknown		
49138	MELO-CORR	YES	129223.3		3.58	15.26	18.85	35500	Valve	27725.22	Valve	12171.96	36	0.312	52	0.16	0.05	1.14	0.16	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49139	GirthWeld		129238.6		18.84	20.93	20.93	35510	Valve	27740.48	Valve	12156.7	36	0.312	52					0.463889	335			649									1250	Unknown		
49140	GirthWeld		129259.5		20.93	21.83	21.83	35520	Valve	27761.41	Valve	12135.77	36	0.312	52					0.1	335			649									1250	Unknown		
49142	CLUSTER	YES	129260.4		0.91	20.92	21.83	35520	Valve	27762.32	Valve	12134.86	36	0.312	52	0.18	0.06	6.76	0.72	5:54	335	991	714	649	0.47	1.11							1250	Unknown		
49145	MELO-CORR	YES	129266.8		7.34	14.49	21.83	35520	Valve	27768.75	Valve	12128.43	36	0.312	52	0.25	0.08	1.38	0.20	5:50	335	1061	764	649	0.44	1.18							1598	Metal Loss		
49146	GirthWeld		129281.3		21.83	17.7	17.7	35530	Valve	27783.24	Valve	12113.94	36	0.312	52					0.069444	335			649									1250	Unknown		
49147	GirthWeld		129299		17.7	39.74	39.74	35540	Valve	27800.94	Valve	12096.24	36	0.312	52					0.515972	335			649									1250	Unknown		
49149	CLUSTER	YES	129299.9		0.84	38.9	39.74	35540	Valve	27801.78	Valve	12095.4	36	0.312	52	0.15	0.05	12.02	3.43	0.247917	335	981	706	649	0.47	1.10							1250	Unknown		
49156	CLUSTER	YES	129301.3		2.29	37.45	39.74	35540	Valve	27803.23	Valve	12093.95	36	0.312	52	0.2	0.06	4.72	1.04	5:52	335	1006	725	649	0.46	1.12							1250	Unknown		
49161	CLUSTER	YES	129302		2.98	36.76	39.74	35540	Valve	27803.92	Valve	12093.26	36	0.312	52	0.17	0.05	6.01	1.45	6:09	335	1003	722	649	0.46	1.13							1250	Unknown		
49165	CLUSTER	YES	129308.4		9.34	30.4	39.74	35540	Valve	27810.28	Valve	12086.9	36	0.312	52	0.19	0.06	2.52	1.20	0.256944	335	1046	753	649	0.44	1.17							1250	Unknown		
49167	MELO-CORR	YES	129332.5		33.47	6.27	39.74	35540	Valve	27834.41	Valve	12062.77	36	0.312	52	0.15	0.05	1.22	0.16	0.2625	335	1069	769	649	0.44	1.19							1598	Metal Loss		
49169	CLUSTER	YES	129334.3		35.29	4.45	39.74	35540	Valve	27836.23	Valve	12060.95	36	0.312	52	0.18	0.06	1.49	0.69	0.258333	335	1064	766	649	0.44	1.18							1250	Unknown		
49171	GirthWeld		129338.8		39.74	39.84	39.84	35550	Valve	27840.68	Valve	12056.5	36	0.312	52					11:14	335			649									1250	Unknown		
49173	CLUSTER	YES	129363.2		24.43	15.41	39.84	35550	Valve	27865.11	Valve	12032.07	36	0.312	52	0.17	0.05	2.76	0.38	5:48	335	1046	753	649	0.44	1.17							1250	Unknown		
49176	CLUSTER	YES	129367		28.18	11.67	39.84	35550	Valve	27868.86	Valve	12028.32	36	0.312	52	0.2	0.06	5.80	0.57	0.242361	335	992	714	649	0.47	1.13							1250	Unknown		
49179	MELO-CORR	YES	129368.4		29.63	10.22	39.84	35550	Valve	27870.31	Valve	12026.87	36	0.312	52	0.15	0.05	1.18	0.20	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49180	GirthWeld		129378.6		39.84	39.07	39.07	35560	Valve	27880.52	Valve	12016.66	36	0.312	52					0.411806	335			649									1250	Unknown		
49181	MELO-CORR	YES	129381.1		2.48	36.59	39.07	35560	Valve	27883	Valve	12014.18	36	0.312	52	0.16	0.05	1.14	0.16	6:12	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49182	MELO-CORR	YES	129383.6		4.96	34.12	39.07	35560	Valve	27885.48	Valve	12011.7	36	0.312	52	0.15	0.05	1.26	0.24	5:52	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49184	CLUSTER	YES	129386.1		7.44	31.63	39.07	35560	Valve	27887.96	Valve	12009.22	36	0.312	52	0.17	0.05	4.51	3.55	0.242361	335	1020	735	649	0.46	1.14							1250	Unknown		
49190	CLUSTER	YES	129387.9		9.33	29.74	39.07	35560	Valve	27889.85	Valve	12007.33	36	0.312	52	0.26	0.08	4.34	0.63	0.240972	335	991	713	649	0.47	1.14							1250	Unknown		
49193	CLUSTER	YES	129388		9.38	29.69	39.07	35560	Valve	27889.9	Valve	12007.28	36	0.312	52	0.16	0.05	6.95	2.77	0.253472	335	1000	720	649	0.47	1.11							1250	Unknown		
49201	CLUSTER	YES	129388.4		9.82	29.26	39.07	35560	Valve	27890.34	Valve	12006.84	36	0.312	52	0.32	0.10	4.36	0.97	5:47	335	965	695	649	0.48	1.12							1250	Unknown		
49205	CLUSTER	YES	129388.8		10.14	28.93	39.07	35560	Valve	27890.66	Valve	12006.52	36	0.312	52	0.24	0.08	10.94	3.39	6:02	335	925	666	649	0.50	1.09							1250	Unknown		
49216	CLUSTER	YES	129391.8		13.15	25.92	39.07	35560	Valve	27893.67	Valve	12003.51	36	0.312	52	0.16	0.05	3.52	1.20	0.257639	335	1037	747	649	0.45	1.16							1250	Unknown		
49220	CLUSTER	YES	129392.4		13.83	25.24	39.07	35560	Valve	27894.35	Valve	12002.83	36	0.312	52	0.35	0.11	11.39	5.03	0.24375	335	845	608	649	0.55	1.09							1250	Unknown		
49233	CLUSTER	YES	129393.6		14.95	24.12	39.07	35560	Valve	27895.47	Valve	12001.71	36	0.312	52	0.24	0.08	1.92	0.91	0.240972	335	1050	756	649	0.44	1.17							1250	Unknown		
49236	CLUSTER	YES	129394.1		15.46	23.62	39.07	35560	Valve	27895.98	Valve	12001.2	36	0.312	52	0.26	0.08	17.88	1.48	5:46	335	886	638	649	0.53	1.06							1250	Unknown		
49238	CLUSTER	YES	129394.1		15.53	23.54	39.07	35560	Valve	27896.05	Valve	12001.13	36	0.312	52	0.24	0.08	3.02	1.76	6:12	335	1026	738	649	0.45	1.15							1250	Unknown		
49251	CLUSTER	YES	129395.9		17.29	21.78	39.07	35560	Valve	27897.81	Valve	11999.37	36	0.312	52	0.23	0.07	6.16	0.91	0.240972	335

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
49322	GirthWeld		129492.8		39.8	21.34	21.34	35590	Valve	27994.75	Valve	11902.43	36	0.312	52					10:00	335			649									1250	Unknown		
49323	GirthWeld		129514.2		21.34	18.08	18.09	35600	Valve	28016.09	Valve	11881.09	36	0.312	52					10:36	335			649									1250	Unknown		
49324	GirthWeld		129532.3		18.08	39.83	39.83	35610	Valve	28034.17	Valve	11863.01	36	0.312	52					0.483333	335			649									1250	Unknown		
49325	GirthWeld		129572.1		39.83	38.93	38.93	35620	Valve	28074	Valve	11823.18	36	0.312	52					0.538889	335			649									1250	Unknown		
49326	GirthWeld		129611		38.93	39.59	39.59	35630	Valve	28112.93	Valve	11784.25	36	0.312	52					0.093056	335			649									1250	Unknown		
49327	GirthWeld		129650.6		39.59	39.93	39.93	35640	Valve	28152.52	Valve	11744.66	36	0.312	52					11:32	335			649									1250	Unknown		
49328	GirthWeld		129690.5		39.93	36.64	36.64	35650	Valve	28192.45	Valve	11704.73	36	0.312	52					10:28	335			649									1250	Unknown		
49329	GirthWeld		129727.2		36.64	39.78	39.79	35660	Valve	28229.09	Valve	11668.09	36	0.312	52					0.077083	335			649									1250	Unknown		
49330	MELO-CORR	YES	129729.7		2.48	37.3	39.79	35660	Valve	28231.57	Valve	11665.61	36	0.312	52	0.22	0.07	1.10	0.20	0.263889	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49332	CLUSTER	YES	129759.6		32.37	7.42	39.79	35660	Valve	28261.46	Valve	11635.72	36	0.312	52	0.2	0.06	4.60	1.23	0.249306	335	1008	726	649	0.46	1.14							1250	Unknown		
49334	GirthWeld		129767		39.78	38.97	38.97	35670	Valve	28268.87	Valve	11628.31	36	0.312	52					12:29	335			649									1250	Unknown		
49336	CLUSTER	YES	129786		18.99	19.99	38.97	35670	Valve	28287.86	Valve	11609.32	36	0.312	52	0.18	0.06	10.91	4.31	5:50	335	965	695	649	0.48	1.09							1250	Unknown		
49350	GirthWeld		129805.9		38.97	39.84	39.84	35680	Valve	28307.84	Valve	11589.34	36	0.312	52					0.463889	335			649									1250	Unknown		
49351	GirthWeld		129845.8		39.84	39.64	39.64	35690	Valve	28347.68	Valve	11549.5	36	0.312	52					0.402778	335			649									1250	Unknown		
49352	GirthWeld		129885.4		39.64	37.09	37.09	35700	Valve	28387.32	Valve	11509.86	36	0.312	52					0.123611	335			649									1250	Unknown		
49353	AS_Casing		129922.1		36.7	0.39	37.09	35700	Valve	28424.02	Valve	11473.16	36	0.312	52						335			649									1590	Casing		
49354	GirthWeld		129922.5		37.09	39.7	39.7	35710	Valve	28424.41	Valve	11472.77	36	0.312	52					1:37	335			649									1250	Unknown		
49355	GirthWeld		129962.2		39.7	39.97	39.97	35720	Valve	28464.11	Valve	11433.07	36	0.312	52					0.424306	335			649									1250	Unknown		
49356	GirthWeld		130002.2		39.97	31.78	31.79	35730	Valve	28504.08	Valve	11393.1	36	0.312	52					0.503472	335			649									1250	Unknown		
49357	MELO-CORR	YES	130020.7		18.53	13.25	31.79	35730	Valve	28522.61	Valve	11374.57	36	0.312	52	0.17	0.05	1.22	0.20	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
49358	MIFE	n/a	130021.9		19.75	12.03	31.79	35730	Valve	28523.83	Valve	11373.35	36	0.312	52					10:40	335			649									2167	Mill Anomaly		
49359	AE_Casing		130022.5		20.29	11.49	31.79	35730	Valve	28524.37	Valve	11372.81	36	0.312	52						335			649									1590	Casing		
49360	GirthWeld		130034		31.78	35.74	35.74	35740	Valve	28535.86	Valve	11361.32	36	0.312	52					0.072222	335			649									1250	Unknown		
49362	CLUSTER	YES	130048.8		14.81	20.94	35.74	35740	Valve	28550.67	Valve	11346.51	36	0.312	52	0.15	0.05	16.58	2.83	0.222222	335	970	699	649	0.48	1.08							1250	Unknown		
49370	GirthWeld		130069.7		35.74	22.77	22.76	35750	Valve	28571.6	Valve	11325.58	36	0.312	52					0.1375	335			649									1250	Unknown		
49371	GirthWeld		130092.5		22.77	16.98	16.99	35760	Valve	28594.37	Valve	11302.81	36	0.312	52					3:50	335			649									1250	Unknown		
49372	GirthWeld		130109.4		16.98	21.26	21.26	35770	Valve	28611.35	Valve	11285.83	36	0.312	52					12:57	335			649									1250	Unknown		
49373	GirthWeld		130130.7		21.26	18.99	18.99	35780	Valve	28632.61	Valve	11264.57	36	0.312	52					0.058333	335			649									1250	Unknown		
49374	GirthWeld		130149.7		18.99	39.29	39.29	35790	Valve	28651.6	Valve	11245.58	36	0.312	52					0.1125	335			649									1250	Unknown		
49375	GirthWeld		130189		39.29	21.7	21.7	35800	Valve	28690.89	Valve	11206.29	36	0.312	52					0.459722	335			649									1250	Unknown		
49376	GirthWeld		130210.7		21.7	18.79	18.79	35810	Valve	28712.59	Valve	11184.59	36	0.312	52					11:30	335			649									1250	Unknown		
49377	GirthWeld		130229.5		18.79	39.78	39.78	35820	Valve	28731.38	Valve	11165.8	36	0.312	52					10:02	335			649									1250	Unknown		
49378	GirthWeld		130269.3		39.78	39.19	39.18	35830	Valve	28771.16	Valve	11126.02	36	0.312	52					0.079167	335			649									1250	Unknown		
49379	GirthWeld		130308.4		39.19	29.98	29.98	35840	Valve	28810.35	Valve	11086.83	36	0.312	52					0.536111	335			649									1250	Unknown		
49380	GirthWeld		130338.4		29.98	39.87	39.87	35850	Valve	28840.33	Valve	11056.85	36	0.312	52					0.473611	335			649									1250	Unknown		
49381	MELO-CORR	YES	130370.2		31.8	8.07	39.87	35850	Valve	28872.13	Valve	11025.05	36	0.312	52	0.15	0.05	1.10	0.16	6:21	335	1070	770	649	0.43	1.19							1598	Metal Loss		
49382	GirthWeld		130378.3		39.87	32.04	32.04	35860	Valve	28880.2	Valve	11016.98	36	0.312	52					10:36	335			649									1250	Unknown		
49383	GirthWeld		130410.3		32.04	39.61	39.61	35870	Valve	28912.24	Valve	10984.94	36	0.312	52					0.5375	335			649									1250	Unknown		
49384	GirthWeld		130449.9		39.61	39.86	39.86	35880	Valve	28951.85	Valve	10945.33	36	0.312	52					0.100694	335			649									1250	Unknown		
49385	GirthWeld		130489.8		39.86	39.41	39.41	35890	Valve	28991.71	Valve	10905.47	36	0.312	52					0.438889	335			649									1250	Unknown		
49386	GirthWeld		130529.2		39.41	39.55	39.54	35900	Valve	29031.12	Valve	10866.06	36	0.312	52					11:34	335			649									1250	Unknown		
49387	GirthWeld		130568.8		39.54	39.86	39.87	35910	Valve	29070.67	Valve	10826.51	36	0.312	52					1:48	335			649									1250	Unknown		
49388	GirthWeld		130608.6		39.86	39.73	39.72	35920	Valve	29110.53	Valve	10786.65	36	0.312	52					0.04375	335			649									1250	Unknown		
49389	GirthWeld		130648.4		39.73	38.82	38.81	35930	Valve	29150.26	Valve	10746.92	36	0.312	52					0.480556	335			649									1250	Unknown		
49390	GirthWeld		130687.2		38.81	37.86	37.86	35940	Valve	29189.07	Valve	10708.11	36	0.312	52					0.069444	335			649									1250	Unknown		
49391	GirthWeld		130725		37.86	20.06	20.06	35950	Valve	29226.93	Valve	10670.25	36	0.312	52					7:20	335			649									1250	Unknown		
49392	GirthWeld		130745.1		20.06	20.19	20.2	35960	Valve	29246.99	Valve	10650.19	36	0.312	52					8:18	335			649									1250	Unknown		
49393	GirthWeld		130765.3		20.19	39.55	39.54	35970	Valve	29267.18	Valve	10630	36	0.312	52					0.401389	335			649									1250	Unknown		
49394	MELO-CORR	YES	130801.7		36.44	3.1	39.54	35970	Valve	29303.62	Valve	10593.56	36	0.312	52	0.22	0.07	0.91	0.51	0.240972	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49396	CLUSTER	YES	130802.8		37.48	2.06	39.54	35970	Valve	29304.66	Valve	10592.52	36	0.312	52	0.26	0.08	22.98	4.68	0.239583	335	878	632	649	0.53	1.06							1250	Unknown		
49407	GirthWeld		130804.8		39.54	39.88	39.88	35980	Valve	29306.73	Valve	10590.45	36	0.312	52					8:28	335			649									1250	Unknown		
49409	CLUSTER	YES	130805.8		0.93	38.95	39.88	35980	Valve	29307.66	Valve	10589.52	36	0.312	52	0.21	0.07	2.63	1.35	5:49	335	1041	749	649	0.45	1.16							1250	Unknown		
49413	CLUSTER	YES	130808.1		3.23	36.65	39.88	35980	Valve	29309.96	Valve	10587.22	36	0.312	52	0.16	0.05	4.85	0.57	0.23125	335	1020	734	649	0.46	1.13							1250	Unknown		
49416	CLUSTER	YES	130808.9		4.09	35.78	39.88	35980	Valve	29310.82	Valve	10586.35	36	0.312	52	0.16	0.05	1.62	0.72	0.21875	335	1064	766	649	0.44	1.18							1250	Unknown		
49418	MELO-CORR	YES	130809.5		4.71	35.17	39.88	35980	Valve	29311.44	Valve	10585.74	36	0.312	52	0.17	0.05	0.91	0.20	0.219444	335	1071	771	649	0.43	1.19							1598	Metal Loss		
49419	MELO-CORR	YES	130811.6		6.74	33.14	39.88	35980	Valve	29313.47	Valve	10583.71	36	0.312	52	0.18	0.06	1.53	0.55	5:48	335	1063	766	649	0.44	1.18							1598	Metal Loss		
49421	CLUSTER	YES	130813.1		8.3	31.57	39.88	35980	Valve	29315.03	Valve	10582.15	36	0.312	52	0.24	0.08	2.58	3.96	5:54	335	1036	746	649	0.45	1.16							1250	Unknown		
49424	MELO-CORR	YES	130814		9.15	30.72	39.88	35980	Valve	29315.88	Valve	10581.3	36	0.312	52	0.32	0.10	1.26	0.47	0.259722	335	1058	762	649	0.44	1.18							1598	Metal Loss		
49426	CLUSTER	YES	130814.6		9.75	30.13	39.88	35980	Valve	29316.48	Valve	10580.7	36	0.312	52	0.25	0.08	3.83	1.20	0.25625	335	1005	724	649	0.46	1.12							1250	Unknown		
49431	CLUSTER	YES	130815.8		10.94	28.93	39.88	35980	Valve	29317.68	Valve	10579.5	36	0.312	52	0.16	0.05	2.06	0.94	0.2375	335	1058	762	649	0.44	1.17							1250	Unknown		
49433	MELO-CORR	YES	130816.1		11.27	28.61	39.88	35980	Valve	29318	Valve	10579.18	36	0.312	52	0.17	0.05	1.53	0.55	5:48	335	1064	766	649	0.44	1.18							1598	Metal Loss		
49435	CLUSTER	YES	130817.7		12.85	27.02	39.88	35980	Valve	29319.59	Valve	10577.59	36	0.312	52	0.15	0.05	2.45	1.95	6:06	335	1054	759	649	0.44	1.17							1250	Unknown		
49440	CLUSTER	YES	130818.1		13.27	26.6	39.88	35980	Valve	29320	Valve	10577.18	36	0.312	52	0.18	0.06	46.14	6.69	0.234722	335	925	666	649	0.50	1.06							1250	Unknown		
49463	CLUSTER	YES	130819.4		14.52	25.35	39.88	35980	Valve	29321.26	Valve	10575.92	36	0.312	52	0.16	0.05	5.29	2.48	0.263194	335	1015	731	649	0.46	1.13							1250	Unknown		
49489	MELO-CORR	YES	130836		31.18	8.7	39.88	35980	Valve	29337.91	Valve	10559.27	36	0.312	52	0.15	0.05	1.02	0.32	0.270139	335	1070	771	649	0.43	1.19							1598	Metal Loss		
49490	GirthWeld		130844.7		39.88	20.35	20.36	35990	Valve	29346.61	Valve	10550.57	36	0.312	52					3:11	335			649									1250	Unknown		
49491	MELO-CORR	YES	130849.5		4.76	15.6	20.36	35990	Valve	29351.37	Valve	10545.81	36	0.312	52	0.16	0.05	1.22	0.16	6:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49492	GirthWeld		130865.1		20.35	20.17	20.17	36000	Valve	29366.96	Valve	10530.22	36	0.312	52					0.163889	335			649									1250	Unknown		
49493	GirthWeld		130885.2		20.17	10.05	10.05	36010	Valve	29387.13	Valve	10510.05	36	0.312	52					0.527778	335			649									1250	Unknown		
49494	GirthWeld		130895.3		10.05	8.72	8.71	36020	Valve	29397.18	Valve	10500	36	0.312	52					0.466667	335			649									1250	Unknown		
49495	GirthWeld		130904		8.71	21.93	21.92	36030	Valve	29405.9	Valve	10491.28	36	0.312	52					10:44	335			649									1250	Unknown		
49496	GirthWeld		130925.9		21.92	38.89	38.9	36040	Valve	29427.82	Valve	10469.36	36	0.312	52					11:16	335			649									1250	Unknown		
49497	GirthWeld		130964.8		38.89	39.88	39.87	36050	Valve	29466.71	Valve	10430.46	36	0.312	52					0.104167	335			649									1250	Unknown		
49498	GirthWeld		131004.7		39.88	39.09	39.09	36060	Valve	29506.59	Valve	10390.59	36	0.312	52					0.533333	335			649									1250	Unknown		
49499	GirthWeld		131043.8		39.09	39.26	39.26	36070	Valve	29545.68	Valve	10351.5	36	0.312	52					0.402778	335			649									1250	Unknown		
49500	GirthWeld		131083		39.26	18.02	18.02	36080	Valve	29584.94	Valve	10312.24	36	0.312	52					11:16	335			649									1250	Unknown		
49501	GirthWeld		131101.1		18.02	21.31	21.32	36090	Valve	29602.96	Valve	10294.22	36	0.312	52					11:50	335			649									1250	Unknown		
49502	GirthWeld		131122.4		21.31	39.67	39.67	36100	Valve	29624.27	Valve	10272.91	36	0.312	52					0.530556	335			649									1250	Unknown		
49503	GirthWeld		131162		39.67	39.25	39.25	36110	Valve	29663.94	Valve	10233.24	36	0.312	52					0.090278	335			649									1250	Unknown		
49504	GirthWeld		131201.3		39.25	39.84	39.84	36120	Valve	29703.19	Valve	10193.99	36	0.312	52					0.420833	335			649									1250	Unknown		
49505	MELO-CORR	YES	131201.6		0.33	39.5	39.84	36120	Valve	29703.52	Valve	10193.65	36	0.312	52	0.15	0.05	1.38	0.20	5:53	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49506	MELO-CORR	YES	131211.3		9.96	29.87	39.84	36120	Valve	29713.15	Valve	10184.02	36	0.312	52	0.2	0.06	1.18	0.20	6:18	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49507	GirthWeld		131241.1		39.84	39.86	39.87	36130	Valve	29743.03	Valve	10154.15	36	0.312	52					0.4625	335			649									1250	Unknown		
49508	GirthWeld		131281		39.86	39.79	39.79	36140	Valve	29782.89	Valve	10114.29	36	0.312	52					0.076389	335			649									1250	Unknown		
49509	GirthWeld		131320.8		39.79	39.41	39.4	36150	Valve	29822.68	Valve	10074.5	36	0.312	52					0.536111	335			649									1250	Unknown		
49510	GirthWeld		131360.2		39.41	39.88	39.88	36160	Valve	29862.09	Valve	10035.09	36	0.312	52					11:36	335			649									1250	Unknown		
49511	GirthWeld		131400.1		39.88	38.95	38.95	36170	Valve	29901.97	Valve	9995.21	36	0.312	52					10:34	335			649									1250	Unknown		
49512	GirthWeld		131439		38.95	39.82	39.82	36180	Valve	29940.92	Valve	9956.26	36	0.312	52					0.080556	335			649									1250	Unknown		
49513	GirthWeld		131478.8		39.82	39.78	39.78	36190	Valve	29980.74	Valve	9916.44	36	0.312	52					0.513889	335			649									1250	Unknown		
49514	GirthWeld		131518.6		39.78	39.74	39.73	36200	Valve	30020.52	Valve	9876.66	36	0.312	52					0.484722	335			649									1250	Unknown		
49515	GirthWeld		131558.4		39.74	38.86	38.86	36210	Valve	30060.26	Valve	9836.92	36	0.312	52					10:44	335			649									1250	Unknown		
49516	GirthWeld		131597.2		38.85	39.08	39.08	36220	Valve	30099.11	Valve	9798.07	36	0.312	52					1:48	335			649									1250	Unknown		
49517	GirthWeld		131636.3		39.08	39.79	39.79	36230	Valve	30138.19	Valve	9758.99	36	0.312	52					0.519444	335			649									1250	Unknown		
49518	GirthWeld		131676.1		39.79	39.79	39.78	36240	Valve	30177.98	Valve	9719.2	36	0.312	52					0.425	335			649									1250	Unknown		
49520	CLUSTER	YES	131682.1		6.04	33.74	39.78	36240	Valve	30184.02	Valve	9713.16	36	0.312	52	0.25	0.08	9.47	1.23	0.254861	335	928	668	649	0.50	1.09							1250	Unknown		
49529	CLUSTER	YES	131683.1		7.02	32.76	39.78	36240	Valve	30185	Valve	9712.18	36	0.312	52	0.19	0.06	4.91	2.11	6:01	335	1008	725	649	0.46	1.14							1250	Unknown		
49533	GirthWeld		131715.9		39.78	39.74	39.74	36250	Valve	30217.76	Valve	9679.42	36	0.312	52					8:28	335			649									1250	Unknown		
49534	GirthWeld		131755.6		39.74	39.94	39.95	36260	Valve	30257.5	Valve	9639.68	36	0.312	52					0.131944	335			649									1250	Unknown		
49536	CLUSTER	YES	131793.8		38.21	1.73	39.95	36260	Valve	30295.71	Valve	9601.47	36	0.312	52	0.19	0.06	10.96	0.76	0.242361	335	958	690	649	0.49	1.09							1250	Unknown		
49540	GirthWeld		131795.5		39.94	40.16	40.16	36270	Valve	30297.44	Valve	9599.74	36	0.312	52					0.061111	335			649									1250	Unknown		
49542	CLUSTER	YES	131800.8		5.24	34.92	40.16	36270	Valve	30302.68	Valve	9594.49	36	0.312	52	0.19	0.06	10.22	0.76	5:47	335	962	692	649	0.48	1.10							1250	Unknown		
49546	MELO-CORR	YES	131808		12.45	27.71	40.16	36270	Valve	30309.89	Valve	9587.29	36	0.312	52	0.15	0.05	0.91	0.20	5:46	335	1071	771	649	0.43	1.19							1598	Metal Loss		
49548	CLUSTER	YES	131824.4		28.82	11.34	40.16	36270	Valve	30326.26	Valve	9570.92	36	0.312	52	0.16	0.05	15.56	0.85	0.239583	335	965	695	649	0.48	1.08							1250	Unknown		
49556	MELO-CORR	YES	131832.1		36.61	3.55	40.16	36270	Valve	30334.05	Valve	9563.13	36	0.312	52	0.17	0.05	1.10	0.16	0.263194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49557	GirthWeld		131835.7		40.16	39.75	39.75	36280	Valve	30337.6	Valve	9559.58	36	0.312	52					0.426389	335			649									1250	Unknown		
49559	CLUSTER	YES	131835.7		0.03	39.72	39.75	36280	Valve	30337.63	Valve	9559.55	36	0.312	52	0.19	0.06	7.99	0.66	5:46	335	976	703	649	0.48	1.10							1250	Unknown		
49563	GirthWeld		131875.4		39.75	38.34	38.34	36290	Valve	30377.35	Valve	9519.83	36	0.312	52					9:22	335			649									1250	Unknown		
49564	GirthWeld		131913.8		38.34	17.42	17.42	36300	Valve	30415.69	Valve	9481.49	36	0.312	52					0.191667	335			649									1250	Unknown		
49565	GirthWeld		131931.2		17.42	39.72	39.73	36310	Valve	30433.11	Valve	9464.07	36	0.312	52					0.091667	335			649									1250	Unknown		
49566	GirthWeld		131970.9		39.72	39.78	39.77	36320	Valve	30472.83	Valve	9424.35	36	0.312	52					0.385417	335			649									1250	Unknown		
49567	MELO-CORR	YES	131978.8		7.85	31.93	39.77	36320	Valve	30480.68	Valve	9416.5	36	0.312	52	0.17	0.05	1.10	0.55	6:13	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49568	MELO-CORR	YES	131980.8		9.87	29.91	39.77	36320	Valve	30482.7	Valve	9414.48	36	0.312	52	0.17	0.05	1.46	0.47	6:12	335	1065	767	649	0.44	1.18							1598	Metal Loss		
49570	CLUSTER	YES	131983.1		12.17	27.6	39.77	36320	Valve	30485	Valve	9412.18	36	0.312	52	0.21	0.07	4.76	0.66	0.258333	335	1002	721	649	0.46	1.14							1250	Unknown		
49573	CLUSTER	YES	131984.2		13.31	26.47	39.77	36320	Valve	30486.14	Valve	9411.04	36	0.312	52	0.24	0.08	3.98	1

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
49601	CLUSTER	YES	131987.8		16.88	22.89	39.77	36320	Valve	30489.71	Valve	9407.46	36	0.312	52	0.19	0.06	5.47	0.63	6:14	335	1000	720	649	0.47	1.13							1250	Unknown		
49606	MELO-CORR	YES	131990.3		19.38	20.4	39.77	36320	Valve	30492.21	Valve	9404.97	36	0.312	52	0.21	0.07	1.18	0.20	5:47	335	1066	768	649	0.44	1.18							1598	Metal Loss		
49607	MELO-CORR	YES	131990.9		19.93	19.85	39.77	36320	Valve	30492.76	Valve	9404.42	36	0.312	52	0.17	0.05	1.14	0.20	0.239583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
49609	CLUSTER	YES	131991.2		20.3	19.47	39.77	36320	Valve	30493.13	Valve	9404.05	36	0.312	52	0.22	0.07	3.08	0.97	0.257639	335	1030	741	649	0.45	1.14							1250	Unknown		
49613	CLUSTER	YES	131991.8		20.86	18.92	39.77	36320	Valve	30493.69	Valve	9403.49	36	0.312	52	0.2	0.06	7.66	1.73	0.236111	335	973	701	649	0.48	1.11							1250	Unknown		
49614	MELO-CORR	YES	131991.8		20.88	18.9	39.77	36320	Valve	30493.71	Valve	9403.47	36	0.312	52	0.21	0.07	1.30	0.24	6:15	335	1064	766	649	0.44	1.18							1598	Metal Loss		
49620	CLUSTER	YES	131992		21.11	18.67	39.77	36320	Valve	30493.94	Valve	9403.24	36	0.312	52	0.19	0.06	5.96	1.23	6:11	335	995	716	649	0.47	1.12							1250	Unknown		
49628	CLUSTER	YES	131992.7		21.75	18.03	39.77	36320	Valve	30494.58	Valve	9402.6	36	0.312	52	0.17	0.05	3.14	0.97	0.25625	335	1040	749	649	0.45	1.16							1250	Unknown		
49632	CLUSTER	YES	131992.9		22.02	17.76	39.77	36320	Valve	30494.85	Valve	9402.33	36	0.312	52	0.15	0.05	11.32	1.54	0.238889	335	983	708	649	0.47	1.10							1250	Unknown		
49640	MELO-CORR	YES	131994.3		23.38	16.39	39.77	36320	Valve	30496.21	Valve	9400.97	36	0.312	52	0.25	0.08	1.38	0.20	0.260417	335	1061	764	649	0.44	1.18							1598	Metal Loss		
49642	CLUSTER	YES	131994.7		23.8	15.97	39.77	36320	Valve	30496.63	Valve	9400.55	36	0.312	52	0.21	0.07	6.64	1.51	5:42	335	977	704	649	0.48	1.12							1250	Unknown		
49644	CLUSTER	YES	131994.8		23.87	15.91	39.77	36320	Valve	30496.7	Valve	9400.48	36	0.312	52	0.16	0.05	13.24	1.04	6:10	335	970	699	649	0.48	1.10							1250	Unknown		
49655	CLUSTER	YES	132004.4		33.45	6.33	39.77	36320	Valve	30506.28	Valve	9390.9	36	0.312	52	0.17	0.05	5.71	1.07	0.239583	335	1006	725	649	0.46	1.13							1250	Unknown		
49659	CLUSTER	YES	132004.9		33.98	5.8	39.77	36320	Valve	30506.81	Valve	9390.37	36	0.312	52	0.16	0.05	7.13	0.72	0.267361	335	999	719	649	0.47	1.12							1250	Unknown		
49663	CLUSTER	YES	132005.3		34.42	5.35	39.77	36320	Valve	30507.25	Valve	9389.93	36	0.312	52	0.21	0.07	29.62	2.29	0.236111	335	911	656	649	0.51	1.05							1250	Unknown		
49676	GirthWeld		132010.7		39.78	39.8	39.81	36330	Valve	30512.61	Valve	9384.57	36	0.312	52					10:14	335			649									1250	Unknown		
49678	CLUSTER	YES	132011		0.26	39.54	39.81	36330	Valve	30512.87	Valve	9384.31	36	0.312	52	0.17	0.05	8.88	3.65	5:52	335	981	707	649	0.47	1.10							1250	Unknown		
49684	GirthWeld		132050.5		39.8	39.56	39.55	36340	Valve	30552.41	Valve	9344.77	36	0.312	52					0.073611	335			649									1250	Unknown		
49685	GirthWeld		132090.1		39.56	38.86	38.86	36350	Valve	30591.97	Valve	9305.21	36	0.312	52					0.113889	335			649									1250	Unknown		
49686	GirthWeld		132128.9		38.86	39.25	39.25	36360	Valve	30630.83	Valve	9266.35	36	0.312	52					0.463889	335			649									1250	Unknown		
49687	GirthWeld		132168.2		39.25	39.86	39.86	36370	Valve	30670.08	Valve	9227.1	36	0.312	52					9:29	335			649									1250	Unknown		
49688	GirthWeld		132208		39.86	39.64	39.63	36380	Valve	30709.94	Valve	9187.24	36	0.312	52					12:11	335			649									1250	Unknown		
49690	CLUSTER	YES	132208.1		0.04	39.59	39.63	36380	Valve	30709.98	Valve	9187.2	36	0.312	52	0.18	0.06	7.68	3.99	0.242361	335	984	708	649	0.47	1.12							1250	Unknown		
49696	GirthWeld		132247.7		39.64	39.85	39.86	36390	Valve	30749.58	Valve	9147.6	36	0.312	52					0.069444	335			649									1250	Unknown		
49697	GirthWeld		132287.5		39.85	39.6	39.6	36400	Valve	30789.43	Valve	9107.74	36	0.312	52					0.427778	335			649									1250	Unknown		
49698	GirthWeld		132327.1		39.6	38.67	38.66	36410	Valve	30829.03	Valve	9068.15	36	0.312	52					11:12	335			649									1250	Unknown		
49699	GirthWeld		132365.8		38.67	39.85	39.86	36420	Valve	30867.7	Valve	9029.48	36	0.312	52					1:56	335			649									1250	Unknown		
49700	GirthWeld		132405.6		39.85	36.37	36.37	36430	Valve	30907.55	Valve	8989.63	36	0.312	52					0.538889	335			649									1250	Unknown		
49701	GirthWeld		132442		36.37	39.82	39.82	36440	Valve	30943.92	Valve	8953.26	36	0.312	52					0.459722	335			649									1250	Unknown		
49702	GirthWeld		132481.8		39.82	39.61	39.61	36450	Valve	30983.74	Valve	8913.44	36	0.312	52					0.427778	335			649									1250	Unknown		
49703	GirthWeld		132521.4		39.61	38.95	38.96	36460	Valve	31023.35	Valve	8873.83	36	0.312	52					1:26	335			649									1250	Unknown		
49705	CLUSTER	YES	132552.2		30.73	8.23	38.96	36460	Valve	31054.08	Valve	8843.1	36	0.312	52	0.31	0.10	7.85	1.35	6:03	335	906	653	649	0.51	1.04							1250	Unknown		
49712	CLUSTER	YES	132554		32.6	6.36	38.96	36460	Valve	31055.95	Valve	8841.23	36	0.312	52	0.23	0.07	5.52	0.69	0.241667	335	982	707	649	0.47	1.11							1250	Unknown		
49716	CLUSTER	YES	132554.9		33.45	5.51	38.96	36460	Valve	31056.8	Valve	8840.38	36	0.312	52	0.26	0.08	5.42	0.85	0.24375	335	969	698	649	0.48	1.10							1250	Unknown		
49720	CLUSTER	YES	132556.1		34.63	4.33	38.96	36460	Valve	31057.98	Valve	8839.2	36	0.312	52	0.16	0.05	10.48	1.54	0.253472	335	980	705	649	0.47	1.09							1250	Unknown		
49727	CLUSTER	YES	132557.7		36.28	2.67	38.96	36460	Valve	31059.63	Valve	8837.55	36	0.312	52	0.22	0.07	8.40	1.29	5:48	335	955	688	649	0.49	1.11							1250	Unknown		
49733	CLUSTER	YES	132558.9		37.49	1.46	38.96	36460	Valve	31060.84	Valve	8836.34	36	0.312	52	0.25	0.08	6.74	0.72	6:15	335	955	688	649	0.49	1.11							1250	Unknown		
49737	CLUSTER	YES	132559.3		37.84	1.11	38.96	36460	Valve	31061.19	Valve	8835.99	36	0.312	52	0.18	0.06	5.52	0.47	0.242361	335	1004	723	649	0.46	1.13							1250	Unknown		
49740	GirthWeld		132560.4		38.95	35.35	35.35	36470	Valve	31062.3	Valve	8834.88	36	0.312	52					0.105556	335			649									1250	Unknown		
49742	CLUSTER	YES	132561.8		1.42	33.93	35.35	36470	Valve	31063.73	Valve	8833.45	36	0.312	52	0.2	0.06	5.87	0.60	0.243056	335	991	714	649	0.47	1.10							1250	Unknown		
49747	CLUSTER	YES	132588.7		28.28	7.07	35.35	36470	Valve	31090.58	Valve	8806.6	36	0.312	52	0.16	0.05	12.37	1.23	6:15	335	973	700	649	0.48	1.09							1250	Unknown		
49752	CLUSTER	YES	132590		29.59	5.76	35.35	36470	Valve	31091.89	Valve	8805.29	36	0.312	52	0.16	0.05	5.28	0.50	5:43	335	1015	731	649	0.46	1.13							1250	Unknown		
49754	GirthWeld		132595.7		35.35	39.73	39.73	36480	Valve	31097.65	Valve	8799.53	36	0.312	52					0.388889	335			649									1250	Unknown		
49755	GirthWeld		132635.5		39.73	39.78	39.78	36490	Valve	31137.38	Valve	8759.8	36	0.312	52					0.454167	335			649									1250	Unknown		
49756	GirthWeld		132675.3		39.78	39.88	39.88	36500	Valve	31177.16	Valve	8720.02	36	0.312	52					0.154167	335			649									1250	Unknown		
49757	GirthWeld		132715.1		39.88	39.56	39.56	36510	Valve	31217.04	Valve	8680.14	36	0.312	52					2:30	335			649									1250	Unknown		
49758	GirthWeld		132754.7		39.56	39.85	39.85	36520	Valve	31256.6	Valve	8640.58	36	0.312	52					8:52	335			649									1250	Unknown		
49759	MELO-CORR	YES	132760.2		5.51	34.34	39.85	36520	Valve	31262.11	Valve	8635.07	36	0.312	52	0.17	0.05	1.10	0.32	0.259722	335	1069	770	649	0.44	1.19							1598	Metal Loss		
49761	CLUSTER	YES	132761.4		6.69	33.16	39.85	36520	Valve	31263.29	Valve	8633.89	36	0.312	52	0.16	0.05	4.16	1.26	0.259722	335	1028	740	649	0.45	1.15							1250	Unknown		
49764	CLUSTER	YES	132762		7.33	32.52	39.85	36520	Valve	31263.93	Valve	8633.25	36	0.312	52	0.17	0.05	10.12	2.80	0.253472	335	975	702	649	0.48	1.10							1250	Unknown		
49768	MELO-CORR	YES	132764.9		10.25	29.6	39.85	36520	Valve	31266.85	Valve	8630.33	36	0.312	52	0.19	0.06	1.22	0.20	5:45	335	1067	768	649	0.44	1.18							1598	Metal Loss		
49770	CLUSTER	YES	132765.9		11.17	28.69	39.85	36520	Valve	31267.77	Valve	8629.41	36	0.312	52	0.22	0.07	2.44	1.70	5:37	335	1043	751	649	0.45	1.16							1250	Unknown		
49774	CLUSTER	YES	132767.9		13.2	26.65	39.85	36520	Valve	31269.8	Valve	8627.38	36	0.312	52	0.26	0.08	14.66	2.45	0.254861	335	895	644	649	0.52	1.05							1250	Unknown		
49776	MELO-CORR	YES	132768		13.27	26.58	39.85	36520	Valve	31269.87	Valve	8627.31	36	0.312	52	0.16	0.05	0.98	0.20	0.239583	335	1070	771	649	0.43	1.19							1598	Metal Loss		
49785	MELO-CORR	YES	132769.4		14.73	25.12	39.85	36520	Valve	31271.33	Valve	8625.85	36	0.312	52	0.15	0.05	1.22	0.43	0.211111	335	1069	769	649	0.44	1.19							1598	Metal Loss		
49787	CLUSTER	YES	132773.5		18.82	21.04	39.85	36520	Valve	31275.42	Valve	8621.76	36	0.312	52	0.18	0.06	10.27	2.17	6:06	335	968	697	649	0.48	1.10							1250	Unknown		
49793	CLUSTER	YES	132776.7		22	17.86	39.85	36520	Valve	31278.6	Valve	8618.58	36	0.312	52	0.16	0.05	13.86	5.09	5:51	335	969	698	649	0.48	1.10							1250	Unknown		
49803	CLUSTER	YES	132779.7		25.03	14.82	39.85	36520	Valve	31281.63	Valve	8615.55	36	0.312	52	0.16	0.05	3.78	0.66	0.241667	335	1034	744	649	0.45	1.15							1250	Unknown		
49807	CLUSTER	YES	132780.6		25.91	13.94	39.85	36520	Valve	31282.51	Valve	8614.67	36	0.312	52	0.21	0.07	20.12	4.34	0.227083	335	920	663	649	0.51	1.09							1250	Unknown		
49819	CLUSTER	YES	132782.5		27.83	12.02	39.85	36520	Valve	31284.43	Valve	8612.75	36	0.312	52	0.16	0.05	6.61	2.86	0.256944	335	1003	722	649	0.46	1.13							1250	Unknown		
49825	CLUSTER	YES	132784.7		29.97	9.89	39.85	36520	Valve	31286.57	Valve	8610.61	36	0.312	52	0.21	0.07	43.21	7.60	5:35	335	902	649	649	0.52	1.06							1250	Unknown		
49863	CLUSTER	YES	132793.8		39.12	0.73	39.85	36520	Valve	31295.72	Valve	8601.46	36	0.312	52	0.21	0.07	4.97	3.36	6:30	335	999	719	649	0.47	1.14							1250	Unknown		
49868	GirthWeld		132794.5		39.85	39.05	39.05	36530	Valve	31296.45	Valve	8600.73	36	0.312	52					0.436806	335			649									1250	Unknown		
49869	GirthWeld		132833.6		39.05	39.78	39.78	36540	Valve	31335.5	Valve	8561.68	36	0.312	52					0.126389	335			649									1250	Unknown		
49870	MIFE	n/a	132834.8		1.23	38.55	39.78	36540	Valve	31336.73	Valve	8560.45	36	0.312	52					0.041667	335			649									2167	Mill Anomaly		
49871	GirthWeld		132873.4		39.78	39.79	39.79	36550	Valve	31375.28	Valve	8521.9	36	0.312	52					1:52	335			649									1250	Unknown		
49872	GirthWeld		132913.2		39.79	39.83	39.83	36560	Valve	31415.07	Valve	8482.11	36	0.312	52					1:36	335			649									1250	Unknown		
49873	GirthWeld		132953		39.83	37.29	37.29	36570	Valve	31454.9	Valve	8442.28	36	0.312	52					0.5375	335			649									1250	Unknown		
49874	GirthWeld		132990.3		37.29	39.39	39.38	36580	Valve	31492.19	Valve	8404.99	36	0.312	52					0.369444	335			649									1250	Unknown		
49875	GirthWeld		133029.7		39.39	39.81	39.81	36590	Valve	31531.58	Valve	8365.6	36	0.312	52					0.429167	335			649									1250	Unknown		
49876	GirthWeld		133069.5		39.81	35.52	35.52	36600	Valve	31571.39	Valve	8325.79	36	0.312	52					8:14	335			649									1250	Unknown		
49877	GirthWeld		133105		35.52	39.74	39.74	36610	Valve	31606.91	Valve	8290.27	36	0.312	52					9:06	335			649									1250	Unknown		
49878	GirthWeld		133144.7		39.74	39.81	39.8	36620	Valve	31646.65	Valve	8250.53	36	0.312	52					0.530556	335			649									1250	Unknown		
49880	CLUSTER	YES	133160.8		16.05	23.76	39.8	36620	Valve	31662.7	Valve	8234.48	36	0.312	52	0.17	0.05	17.18	4.78	0.244444	335	955	688	649	0.49	1.09							1250	Unknown		
49894	CLUSTER	YES	133162.5		17.71	22.1	39.8	36620	Valve	31664.36	Valve	8232.82	36	0.312	52	0.22	0.07	9.92	1.35	0.253472	335	944	680	649	0.49	1.08							1250	Unknown		
49901	MELO-CORR	YES	133169.3		24.57	15.23	39.8	36620	Valve	31671.22	Valve	8225.96	36	0.312	52	0.15	0.05	1.22	0.16	6:11	335	1069	769	649	0.44	1.19							1598	Metal Loss		
49903	CLUSTER	YES	133170.2		25.46	14.34	39.8	36620	Valve	31672.11	Valve	8225.07	36	0.312	52	0.15	0.05	5.24	0.79	5:48	335	1020	734	649	0.46	1.13							1250	Unknown		
49908	CLUSTER	YES	133171.3		26.58	13.23	39.8	36620	Valve	31673.23	Valve	8223.95	36	0.312	52	0.16	0.05	10.74	2.08	0.250694	335	979	705	649	0.48	1.09							1250	Unknown		
49916	MELO-CORR	YES	133172.7		27.92	11.89	39.8	36620	Valve	31674.57	Valve	8222.61	36	0.312	52	0.16	0.05	1.22	0.63	0.260417	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49918	CLUSTER	YES	133173.2		28.42	11.38	39.8	36620	Valve	31675.07	Valve	8222.11	36	0.312	52	0.23	0.07	9.96	1.16	0.257639	335	938	675	649	0.50	1.07							1250	Unknown		
49924	CLUSTER	YES	133175.8		31.04	8.76	39.8	36620	Valve	31677.69	Valve	8219.49	36	0.312	52	0.2	0.06	13.87	1.10	6:11	335	941	677	649	0.49	1.09							1250	Unknown		
49931	CLUSTER	YES	133182.9		38.18	1.63	39.8	36620	Valve	31684.83	Valve	8212.35	36	0.312	52	0.15	0.05	2.74	2.14	6:15	335	1050	756	649	0.44	1.17							1250	Unknown		
49934	GirthWeld		133184.6		39.81	38.96	38.97	36630	Valve	31686.46	Valve	8210.72	36	0.312	52					0.088889	335			649									1250	Unknown		
49935	MELO-CORR	YES	133187		2.46	36.5	38.97	36630	Valve	31688.92	Valve	8208.26	36	0.312	52	0.18	0.06	0.98	0.59	0.234028	335	1070	770	649	0.43	1.19							1598	Metal Loss		
49937	CLUSTER	YES	133187.9		3.38	35.58	38.97	36630	Valve	31689.84	Valve	8207.34	36	0.312	52	0.15	0.05	5.36	1.04	0.240278	335	1019	733	649	0.46	1.14							1250	Unknown		
49941	CLUSTER	YES	133190.4		5.83	33.14	38.97	36630	Valve	31692.29	Valve	8204.89	36	0.312	52	0.16	0.05	3.59	0.50	4:49	335	1036	746	649	0.45	1.15							1250	Unknown		
49944	CLUSTER	YES	133195.2		10.68	28.28	38.97	36630	Valve	31697.14	Valve	8200.04	36	0.312	52	0.19	0.06	7.60	1.98	6:17	335	979	705	649	0.48	1.12							1250	Unknown		
49948	CLUSTER	YES	133196		11.43	27.54	38.97	36630	Valve	31697.89	Valve	8199.29	36	0.312	52	0.18	0.06	11.64	4.68	0.2625	335	962	693	649	0.48	1.10							1250	Unknown		
49957	CLUSTER	YES	133200.9		16.35	22.61	38.97	36630	Valve	31702.81	Valve	8194.37	36	0.312	52	0.21	0.07	11.50	1.70	0.220139	335	943	679	649	0.49	1.10							1250	Unknown		
49964	CLUSTER	YES	133202.9		18.36	20.6	38.97	36630	Valve	31704.82	Valve	8192.36	36	0.312	52	0.23	0.07	1.32	0.41	0.21875	335	1063	765	649	0.44	1.18							1250	Unknown		
49966	MELO-CORR	YES	133218.2		33.6	5.36	38.97	36630	Valve	31720.06	Valve	8177.12	36	0.312	52	0.17	0.05	1.18	0.20	5:45	335	1068	769	649	0.44	1.19							1598	Metal Loss		
49968	CLUSTER	YES	133218.7		34.17	4.8	38.97	36630	Valve	31720.63	Valve	8176.55	36	0.312	52	0.18	0.06	5.02	0.63	5:47	335	1010	728	649	0.46	1.14							1250	Unknown		
49971	CLUSTER	YES	133219.3		34.7	4.27	38.97	36630	Valve	31721.15	Valve	8176.02	36	0.312	52	0.29	0.09	10.97	0.63	0.239583	335	891	641	649	0.52	1.07							1250	Unknown		
49976	GirthWeld		133223.5		38.96	39.77	39.77	36640	Valve	31725.42	Valve	8171.76	36	0.312	52					0.416667	335			649									1250	Unknown		
49977	GirthWeld		133263.3		39.77	39.08	39.08	36650	Valve	31765.19	Valve	8131.99	36	0.312	52					0.484722	335			649									1250	Unknown		
49978	GirthWeld		133302.4		39.08	21.37	21.36	36660	Valve	31804.27	Valve	8092.91	36	0.312	52					11:34	335			649									1250	Unknown		
49979	GirthWeld		133323.7		21.37	16.85	16.85	36670	Valve	31825.64	Valve	8071.54	36	0.312	52					10:58	335			649									1250	Unknown		
49980	GirthWeld		133340.6		16.85	39.77	39.78	36680	Valve	31842.49	Valve	8054.69	36	0.312	52					0.430556	335			649									1250	Unknown		
49981	GirthWeld		133380.4		39.77	21.39	21.38	36690	Valve	31882.26	Valve	8014.92	36	0.312	52					0.055556	335			649									1250	Unknown		
49982	GirthWeld		133401.7		21.39	17.29	17.29	36700	Valve	31903.65	Valve	7993.53	36	0.312	52					0.094444	335			649									1250	Unknown		
49983	GirthWeld		133419		17.29	39.76	39.76	36710	Valve	31920.94	Valve	7976.24	36	0.312	52					1:14	335			649									1250	Unknown		
49984	GirthWeld		133458.8		39.76	39.5	39.5	36720	Valve	31960.7	Valve	7936.48	36	0.312	52					12:06	335			649									1250	Unknown		
49985	GirthWeld		133498.3		39.5	39.79	39.79	36730	Valve	32000.2	Valve	7896.98	36	0.312	52					0.451389	335			649									1250	Unknown		
49986	GirthWeld		133538.1		39.79	39.88	39.89	36740	Valve	32039.99	Valve	7857.19	36	0.312	52					0.054167	335			649									1250	Unknown		
49987	GirthWeld		133578		39.88	39.49	39.48	36750	Valve	32079.87	Valve	7817.31	36	0.312	52					0.115278	335			649									1250	Unknown		
49988	GirthWeld		133617.5		39.49	39.85	39.85	36760	Valve	32119.36	Valve	7777.82	36	0.312	52					11:22	335			649									1250	Unknown

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
50007	MELO-CORR	YES	133804.6		34.72	5.08	39.81	36800	Valve	32306.51	Valve	7590.67	36	0.312	52	0.15	0.05	1.14	0.43	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50008	GirthWeld		133809.7		39.81	39.74	39.74	36810	Valve	32311.6	Valve	7585.58	36	0.312	52					12:58	335			649									1250	Unknown		
50009	GirthWeld		133849.4		39.74	22.3	22.3	36820	Valve	32351.34	Valve	7545.84	36	0.312	52					0.415278	335			649									1250	Unknown		
50010	GirthWeld		133871.7		22.3	39.06	39.05	36830	Valve	32373.64	Valve	7523.54	36	0.312	52					0.470833	335			649									1250	Unknown		
50011	GirthWeld		133910.8		39.06	39.88	39.88	36840	Valve	32412.7	Valve	7484.48	36	0.312	52					0.519444	335			649									1250	Unknown		
50012	GirthWeld		133950.7		39.88	35.46	35.46	36850	Valve	32452.58	Valve	7444.6	36	0.312	52					1:42	335			649									1250	Unknown		
50013	GirthWeld		133986.1		35.46	39.87	39.87	36860	Valve	32488.04	Valve	7409.14	36	0.312	52					10:42	335			649									1250	Unknown		
50014	GirthWeld		134026		39.87	39.64	39.64	36870	Valve	32527.91	Valve	7369.27	36	0.312	52					0.390278	335			649									1250	Unknown		
50015	GirthWeld		134065.6		39.64	34.52	34.52	36880	Valve	32567.55	Valve	7329.63	36	0.312	52					0.515278	335			649									1250	Unknown		
50016	GirthWeld		134100.2		34.52	39.76	39.76	36890	Valve	32602.07	Valve	7295.11	36	0.312	52					0.0625	335			649									1250	Unknown		
50017	GirthWeld		134139.9		39.76	39.91	39.92	36900	Valve	32641.83	Valve	7255.35	36	0.312	52					10:58	335			649									1250	Unknown		
50018	GirthWeld		134179.8		39.91	34.05	34.05	36910	Valve	32681.74	Valve	7215.44	36	0.312	52					12:38	335			649									1250	Unknown		
50019	GirthWeld		134213.9		34.05	39.98	39.98	36920	Valve	32715.79	Valve	7181.39	36	0.312	52					0.440278	335			649									1250	Unknown		
50020	GirthWeld		134253.9		39.98	38.06	38.06	36930	Valve	32755.77	Valve	7141.41	36	0.312	52					0.509722	335			649									1250	Unknown		
50021	GirthWeld		134291.9		38.06	29.4	29.4	36940	Valve	32793.83	Valve	7103.35	36	0.312	52					0.413889	335			649									1250	Unknown		
50022	GirthWeld		134321.3		29.4	39	39	36950	Valve	32823.23	Valve	7073.95	36	0.312	52					8:32	335			649									1250	Unknown		
50023	GirthWeld		134360.3		39	38.9	38.9	36960	Valve	32862.23	Valve	7034.95	36	0.312	52					3:20	335			649									1250	Unknown		
50024	MELO-CORR	YES	134367.2		6.83	32.07	38.9	36960	Valve	32869.06	Valve	7028.12	36	0.312	52	0.16	0.05	4.25	0.20	0.242361	335	1027	740	649	0.45	1.14							1598	Metal Loss		
50026	CLUSTER	YES	134369.7		9.33	29.57	38.9	36960	Valve	32871.56	Valve	7025.62	36	0.312	52	0.18	0.06	9.98	1.01	0.259722	335	969	698	649	0.48	1.09							1250	Unknown		
50032	CLUSTER	YES	134376.7		16.33	22.57	38.9	36960	Valve	32878.56	Valve	7018.62	36	0.312	52	0.26	0.08	5.35	2.33	0.268056	335	971	699	649	0.48	1.12							1250	Unknown		
50036	MELO-CORR	YES	134377.3		16.94	21.96	38.9	36960	Valve	32879.17	Valve	7018.01	36	0.312	52	0.17	0.05	1.10	0.16	6:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50038	CLUSTER	YES	134384.8		24.44	14.46	38.9	36960	Valve	32886.67	Valve	7010.51	36	0.312	52	0.21	0.07	13.15	1.10	6:52	335	936	674	649	0.50	1.07							1250	Unknown		
50048	CLUSTER	YES	134386.6		26.28	12.62	38.9	36960	Valve	32888.51	Valve	7008.67	36	0.312	52	0.16	0.05	12.96	1.86	0.273611	335	971	699	649	0.48	1.10							1250	Unknown		
50055	CLUSTER	YES	134390.8		30.49	8.4	38.9	36960	Valve	32892.73	Valve	7004.45	36	0.312	52	0.22	0.07	9.08	0.88	0.263889	335	950	684	649	0.49	1.09							1250	Unknown		
50060	MELO-CORR	YES	134392.6		32.23	6.67	38.9	36960	Valve	32894.46	Valve	7002.72	36	0.312	52	0.17	0.05	1.22	0.24	0.265972	335	1068	769	649	0.44	1.18							1598	Metal Loss		
50062	CLUSTER	YES	134393.1		32.79	6.11	38.9	36960	Valve	32895.02	Valve	7002.16	36	0.312	52	0.21	0.07	30.29	5.91	5:48	335	910	655	649	0.51	1.05							1250	Unknown		
50094	MELO-CORR	YES	134395.3		35.02	3.87	38.9	36960	Valve	32897.25	Valve	6999.93	36	0.312	52	0.15	0.05	1.10	0.16	5:49	335	1070	770	649	0.43	1.19							1598	Metal Loss		
50096	GirthWeld		134399.2		38.9	39.64	39.64	36970	Valve	32901.13	Valve	6996.05	36	0.312	52					0.088889	335			649									1250	Unknown		
50097	GirthWeld		134438.9		39.64	39.87	39.87	36980	Valve	32940.77	Valve	6956.41	36	0.312	52					0.348611	335			649									1250	Unknown		
50098	GirthWeld		134478.7		39.87	39.85	39.84	36990	Valve	32980.64	Valve	6916.54	36	0.312	52					0.408333	335			649									1250	Unknown		
50099	GirthWeld		134518.6		39.84	39.44	39.44	37000	Valve	33020.48	Valve	6876.7	36	0.312	52					12:28	335			649									1250	Unknown		
50100	GirthWeld		134558		39.44	39.39	39.39	37010	Valve	33059.92	Valve	6837.26	36	0.312	52					1:50	335			649									1250	Unknown		
50101	GirthWeld		134597.4		39.39	36.36	36.36	37020	Valve	33099.31	Valve	6797.87	36	0.312	52					0.359028	335			649									1250	Unknown		
50102	GirthWeld		134633.8		36.36	39.76	39.76	37030	Valve	33135.67	Valve	6761.51	36	0.312	52					0.417361	335			649									1250	Unknown		
50103	MELO-CORR	YES	134655.4		21.67	18.09	39.76	37030	Valve	33157.34	Valve	6739.84	36	0.312	52	0.19	0.06	1.14	0.51	0.233333	335	1068	769	649	0.44	1.18							1598	Metal Loss		
50105	CLUSTER	YES	134655.8		21.99	17.77	39.76	37030	Valve	33157.66	Valve	6739.52	36	0.312	52	0.2	0.06	2.14	0.88	5:52	335	1052	757	649	0.44	1.17							1250	Unknown		
50108	MELO-CORR	YES	134657		23.28	16.48	39.76	37030	Valve	33158.95	Valve	6738.23	36	0.312	52	0.27	0.08	1.38	0.59	5:56	335	1059	763	649	0.44	1.18							1598	Metal Loss		
50110	CLUSTER	YES	134657.4		23.62	16.14	39.76	37030	Valve	33159.29	Valve	6737.89	36	0.312	52	0.2	0.06	1.14	1.04	0.244444	335	1033	744	649	0.45	1.15							1250	Unknown		
50113	CLUSTER	YES	134658.5		24.78	14.98	39.76	37030	Valve	33160.45	Valve	6736.73	36	0.312	52	0.23	0.07	9.68	1.29	0.244444	335	940	676	649	0.50	1.07							1250	Unknown		
50119	CLUSTER	YES	134659.6		25.81	13.95	39.76	37030	Valve	33161.48	Valve	6735.7	36	0.312	52	0.23	0.07	13.68	2.83	0.2375	335	920	663	649	0.51	1.07							1250	Unknown		
50131	CLUSTER	YES	134661.6		27.82	11.93	39.76	37030	Valve	33163.49	Valve	6733.68	36	0.312	52	0.36	0.11	11.39	1.82	5:49	335	838	603	649	0.56	1.05							1250	Unknown		
50137	CLUSTER	YES	134662.7		28.97	10.79	39.76	37030	Valve	33164.64	Valve	6732.54	36	0.312	52	0.25	0.08	5.51	0.94	5:52	335	973	700	649	0.48	1.12							1250	Unknown		
50140	MELO-CORR	YES	134664.3		30.51	9.25	39.76	37030	Valve	33166.18	Valve	6731	36	0.312	52	0.17	0.05	1.22	0.35	0.265278	335	1068	769	649	0.44	1.18							1598	Metal Loss		
50142	CLUSTER	YES	134665.1		31.31	8.45	39.76	37030	Valve	33166.98	Valve	6730.2	36	0.312	52	0.24	0.08	4.33	1.10	0.257639	335	998	719	649	0.47	1.11							1250	Unknown		
50148	CLUSTER	YES	134665.2		31.48	8.28	39.76	37030	Valve	33167.15	Valve	6730.03	36	0.312	52	0.27	0.08	14.76	1.95	0.239583	335	887	639	649	0.52	1.08							1250	Unknown		
50158	CLUSTER	YES	134666.2		32.44	7.32	39.76	37030	Valve	33168.11	Valve	6729.07	36	0.312	52	0.23	0.07	12.38	2.26	6:11	335	925	666	649	0.50	1.05							1250	Unknown		
50167	CLUSTER	YES	134666.7		32.9	6.86	39.76	37030	Valve	33168.57	Valve	6728.61	36	0.312	52	0.28	0.09	26.87	1.73	5:47	335	857	617	649	0.54	1.05							1250	Unknown		
50195	CLUSTER	YES	134669.3		35.53	4.23	39.76	37030	Valve	33171.2	Valve	6725.98	36	0.312	52	0.34	0.11	10.00	2.01	0.240278	335	863	622	649	0.54	1.05							1250	Unknown		
50207	CLUSTER	YES	134670.6		36.88	2.88	39.76	37030	Valve	33172.55	Valve	6724.63	36	0.312	52	0.29	0.09	13.58	2.42	0.238194	335	877	631	649	0.53	1.03							1250	Unknown		
50218	CLUSTER	YES	134671.4		37.67	2.09	39.76	37030	Valve	33173.34	Valve	6723.84	36	0.312	52	0.31	0.10	23.57	6.16	0.241667	335	837	602	649	0.56	1.00							1250	Unknown		
50255	GirthWeld		134673.5		39.76	39.9	39.9	37040	Valve	33175.43	Valve	6721.75	36	0.312	52					1:25	335			649									1250	Unknown		
50257	CLUSTER	YES	134674.8		1.28	38.63	39.9	37040	Valve	33176.71	Valve	6720.47	36	0.312	52	0.17	0.05	1.72	0.76	5:57	335	1061	764	649	0.44	1.18							1250	Unknown		
50260	CLUSTER	YES	134675.1		1.55	38.35	39.9	37040	Valve	33176.98	Valve	6720.2	36	0.312	52	0.15	0.05	9.36	2.80	0.247917	335	991	713	649	0.47	1.11							1250	Unknown		
50266	MELO-CORR	YES	134676		2.49	37.42	39.9	37040	Valve	33177.92	Valve	6719.26	36	0.312	52	0.26	0.08	0.94	0.20	0.248611	335	1067	769	649	0.44	1.18							1598	Metal Loss		
50268	CLUSTER	YES	134677.1		3.54	36.36	39.9	37040	Valve	33178.97	Valve	6718.21	36	0.312	52	0.26	0.08	17.33	3.24	0.245833	335	887	639	649	0.52	1.07							1250	Unknown		
50282	CLUSTER	YES	134678.7		5.18	34.72	39.9	37040	Valve	33180.61	Valve	6716.57	36	0.312	52	0.17	0.05	16.56	3.93	5:50	335	956	688	649	0.49	1.08							1250	Unknown		
50300	CLUSTER	YES	134680.3		6.82	33.08	39.9	37040	Valve	33182.25	Valve	6714.93	36	0.312	52	0.24	0.08	13.86	1.57	5:50	335	912	657	649	0.51	1.08							1250	Unknown		
50309	CLUSTER	YES	134685.1		11.53	28.38	39.9	37040	Valve	33186.96	Valve	6710.22	36	0.312	52	0.15	0.05	18.07	2.99	0.226389	335	968	697	649	0.48	1.08							1250	Unknown		
50312	CLUSTER	YES	134685.2		11.71	28.19	39.9	37040	Valve	33187.14	Valve	6710.04	36	0.312	52	0.18	0.06	13.46	2.92	0.266667	335	956	688	649	0.49	1.09							1250	Unknown		
50327	CLUSTER	YES	134705.3		31.73	8.18	39.9	37040	Valve	33207.16	Valve	6690.02	36	0.312	52	0.17	0.05	13.98	1.29	0.260417	335	962	692	649	0.48	1.09							1250	Unknown		
50336	GirthWeld		134713.4		39.9	39.69	39.69	37050	Valve	33215.33	Valve	6681.85	36	0.312	52					3:00	335			649									1250	Unknown		
50337	GirthWeld		134753.1		39.69	38.93	38.93	37060	Valve	33255.02	Valve	6642.15	36	0.312	52					9:34	335			649									1250	Unknown		
50338	GirthWeld		134792		38.93	39.28	39.28	37070	Valve	33293.95	Valve	6603.23	36	0.312	52					0.468056	335			649									1250	Unknown		
50339	GirthWeld		134831.3		39.28	39.86	39.86	37080	Valve	33333.23	Valve	6563.95	36	0.312	52					0.516667	335			649									1250	Unknown		
50340	GirthWeld		134871.2		39.86	39.78	39.78	37090	Valve	33373.09	Valve	6524.09	36	0.312	52					0.073611	335			649									1250	Unknown		
50341	GirthWeld		134911		39.78	39.82	39.83	37100	Valve	33412.87	Valve	6484.31	36	0.312	52					10:52	335			649									1250	Unknown		
50342	GirthWeld		134950.8		39.82	39.78	39.78	37110	Valve	33452.69	Valve	6444.49	36	0.312	52					9:43	335			649									1250	Unknown		
50344	CLUSTER	YES	134982.3		31.53	8.25	39.78	37110	Valve	33484.22	Valve	6412.96	36	0.312	52	0.22	0.07	6.83	0.38	0.245139	335	970	699	649	0.48	1.12							1250	Unknown		
50347	GirthWeld		134990.6		39.78	38.53	38.53	37120	Valve	33492.47	Valve	6404.71	36	0.312	52					0.084722	335			649									1250	Unknown		
50349	CLUSTER	YES	134996.5		5.94	32.59	38.53	37120	Valve	33498.41	Valve	6398.77	36	0.312	52	0.16	0.05	1.54	0.88	0.250694	335	1065	767	649	0.44	1.18							1250	Unknown		
50351	MELO-CORR	YES	135001.3		10.71	27.82	38.53	37120	Valve	33503.18	Valve	6394	36	0.312	52	0.17	0.05	1.10	0.16	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50352	GirthWeld		135029.1		38.53	39.44	39.44	37130	Valve	33531	Valve	6366.18	36	0.312	52					12:37	335			649									1250	Unknown		
50353	GirthWeld		135068.5		39.44	39.97	39.97	37140	Valve	33570.44	Valve	6326.74	36	0.312	52					0.409722	335			649									1250	Unknown		
50354	GirthWeld		135108.5		39.97	39.8	39.8	37150	Valve	33610.41	Valve	6286.77	36	0.312	52					0.466667	335			649									1250	Unknown		
50355	GirthWeld		135148.3		39.8	39.87	39.88	37160	Valve	33650.21	Valve	6246.97	36	0.312	52					0.404167	335			649									1250	Unknown		
50356	GirthWeld		135188.2		39.87	39.74	39.74	37170	Valve	33690.08	Valve	6207.1	36	0.312	52					10:58	335			649									1250	Unknown		
50357	GirthWeld		135227.9		39.74	39.82	39.83	37180	Valve	33729.82	Valve	6167.36	36	0.312	52					12:40	335			649									1250	Unknown		
50358	GirthWeld		135267.7		39.82	28.83	28.82	37190	Valve	33769.64	Valve	6127.54	36	0.312	52					0.0625	335			649									1250	Unknown		
50359	GirthWeld		135296.6		28.83	39.8	39.8	37200	Valve	33798.47	Valve	6098.71	36	0.312	52					0.528472	335			649									1250	Unknown		
50361	CLUSTER	YES	135298.3		1.69	38.11	39.8	37200	Valve	33800.16	Valve	6097.02	36	0.312	52	0.15	0.05	8.68	1.07	0.241667	335	994	716	649	0.47	1.10							1250	Unknown		
50364	CLUSTER	YES	135298.4		1.82	37.98	39.8	37200	Valve	33800.29	Valve	6096.89	36	0.312	52	0.21	0.07	8.24	1.23	6:11	335	962	693	649	0.48	1.11							1250	Unknown		
50371	CLUSTER	YES	135299.1		2.55	37.25	39.8	37200	Valve	33801.02	Valve	6096.16	36	0.312	52	0.18	0.06	3.88	0.28	5:48	335	1027	739	649	0.45	1.15							1250	Unknown		
50374	CLUSTER	YES	135301.7		5.09	34.71	39.8	37200	Valve	33803.56	Valve	6093.62	36	0.312	52	0.16	0.05	4.57	0.60	0.263889	335	1023	737	649	0.45	1.14							1250	Unknown		
50377	CLUSTER	YES	135304.8		8.19	31.61	39.8	37200	Valve	33806.66	Valve	6090.52	36	0.312	52	0.17	0.05	15.62	1.48	0.259722	335	958	690	649	0.49	1.09							1250	Unknown		
50381	CLUSTER	YES	135305		8.46	31.34	39.8	37200	Valve	33806.93	Valve	6090.25	36	0.312	52	0.15	0.05	6.16	0.76	0.238889	335	1011	728	649	0.46	1.12							1250	Unknown		
50391	CLUSTER	YES	135307.3		10.77	29.03	39.8	37200	Valve	33809.24	Valve	6087.94	36	0.312	52	0.39	0.12	6.46	3.87	5:51	335	879	633	649	0.53	1.02							1250	Unknown		
50396	CLUSTER	YES	135315		18.48	21.32	39.8	37200	Valve	33816.95	Valve	6080.23	36	0.312	52	0.16	0.05	3.71	1.42	6:15	335	1035	745	649	0.45	1.15							1250	Unknown		
50400	CLUSTER	YES	135317		20.47	19.33	39.8	37200	Valve	33818.94	Valve	6078.24	36	0.312	52	0.27	0.08	5.20	1.67	0.25625	335	969	698	649	0.48	1.08							1250	Unknown		
50403	CLUSTER	YES	135318		21.46	18.34	39.8	37200	Valve	33819.93	Valve	6077.25	36	0.312	52	0.44	0.14	15.97	1.82	0.254861	335	749	539	649	0.62	0.86							1250	Unknown		
50408	MELO-CORR	YES	135320.7		24.15	15.65	39.8	37200	Valve	33822.62	Valve	6074.56	36	0.312	52	0.16	0.05	1.06	0.28	0.24375	335	1070	770	649	0.44	1.19							1598	Metal Loss		
50410	CLUSTER	YES	135321		24.39	15.41	39.8	37200	Valve	33822.86	Valve	6074.32	36	0.312	52	0.19	0.06	6.60	0.97	5:45	335	988	711	649	0.47	1.12							1250	Unknown		
50415	CLUSTER	YES	135322.2		25.66	14.14	39.8	37200	Valve	33824.13	Valve	6073.05	36	0.312	52	0.16	0.05	5.82	2.36	5:46	335	1010	727	649	0.46	1.12							1250	Unknown		
50418	MELO-CORR	YES	135323.2		26.62	13.18	39.8	37200	Valve	33825.09	Valve	6072.09	36	0.312	52	0.16	0.05	2.36	0.39	0.245139	335	1054	759	649	0.44	1.17							1598	Metal Loss		
50420	CLUSTER	YES	135323.6		26.99	12.81	39.8	37200	Valve	33825.46	Valve	6071.72	36	0.312	52	0.2	0.06	3.56	1.64	0.240278	335	1025	738	649	0.45	1.14							1250	Unknown		
50424	CLUSTER	YES	135324.4		27.82	11.98	39.8	37200	Valve	33826.29	Valve	6070.89	36	0.312	52	0.15	0.05	3.47	1.95	0.243056	335	1040	749	649	0.45	1.16							1250	Unknown		
50426	MELO-CORR	YES	135327.4		30.81	8.99	39.8	37200	Valve	33829.28	Valve	6067.9	36	0.312	52	0.24	0.08	1.18	0.20	5:47	335	1065	767	649	0.44	1.18							1598	Metal Loss		
50428	CLUSTER	YES	135328.3		31.74	8.06	39.8	37200	Valve	33830.21	Valve	6066.97	36	0.312	52	0.16	0.05	7.52	3.39	5:53	335	996	717	649	0.47	1.12							1250	Unknown		
50435	CLUSTER	YES	135329.7		33.09	6.71	39.8	37200	Valve	33831.56	Valve	6065.62	36	0.312	52	0.18	0.06	3.16	1.13	0.241667	335	1038	747	649	0.45	1.16							1250	Unknown		
50437	MELO-CORR	YES	135332.9		36.36	3.44	39.8	37200	Valve	33834.83	Valve	6062.35	36	0.312	52	0.16	0.05	1.10	0.24	0.245833	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50439	CLUSTER	YES	135333.5		36.98	2.82	39.8	37200	Valve	33835.45	Valve	6061.73	36	0.312	52	0.17	0.05	5.21	1.70	0.257639	335	1012	729	649	0.46	1.14							1250	Unknown		
50442	GirthWeld		135336.4		39.8	39.76	39.76	37210	Valve	33838.27	Valve	6058.91	36	0.312	52					2:10	335			649									1250	Unknown		
50444	CLUSTER	YES	135336.9		0.56	39.21	39.76	37210	Valve	33838.83	Valve	6058.35	36	0.312	52	0.15	0.05	4.45	4.56	5:16	335	1028	740	649	0.45	1.14							1250	Unknown		
50451	CLUSTER	YES	135337.4		1.05	38.72	39.76	37210	Valve	33839.32	Valve	6057.86	36	0.312	52	0.15	0.05	5.95	7.51	0.215278	335	1013	729	649	0.46	1.12							1250	Unknown		
50455	CLUSTER	YES	135337.5		1.15	38.61	39.76	37210	Valve	33839.42	Valve	6057.76	36	0.312	52	0.2	0.06	17.48	6.79	0.266667	335	932	671	649	0.50	1.07							1250	Unknown		
50468	CLUSTER	YES	135338		1.67	38.1	39.76	37210	Valve	33839.94	Valve	6057.24	36	0.312	52	0.25	0.08	21.16	5.78	0.220833	335	888	639	649	0.52	1.07							1250	Unknown		
50495

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
50538	GirthWeld		135614.8		39.86	39.66	39.66	37280	Valve	34116.75	Valve	5780.43	36	0.312	52					1:06	335			649									1250	Unknown		
50539	GirthWeld		135654.5		39.66	39.77	39.77	37290	Valve	34156.41	Valve	5740.77	36	0.312	52					11:04	335			649									1250	Unknown		
50540	GirthWeld		135694.3		39.77	38.47	38.47	37300	Valve	34196.18	Valve	5701	36	0.312	52					0.379167	335			649									1250	Unknown		
50541	GirthWeld		135732.7		38.47	39.85	39.84	37310	Valve	34234.65	Valve	5662.53	36	0.312	52					0.441667	335			649									1250	Unknown		
50542	MELO-CORR	YES	135754.6		21.85	17.99	39.84	37310	Valve	34256.5	Valve	5640.68	36	0.312	52	0.15	0.05	1.10	0.20	0.274306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
50543	GirthWeld		135772.6		39.85	38.54	38.55	37320	Valve	34274.5	Valve	5622.68	36	0.312	52					2:20	335			649									1250	Unknown		
50544	GirthWeld		135811.1		38.54	39.8	39.79	37330	Valve	34313.04	Valve	5584.14	36	0.312	52					1:14	335			649									1250	Unknown		
50545	GirthWeld		135850.9		39.8	39.82	39.83	37340	Valve	34352.84	Valve	5544.34	36	0.312	52					0.495833	335			649									1250	Unknown		
50546	GirthWeld		135890.8		39.82	39.8	39.79	37350	Valve	34392.66	Valve	5504.52	36	0.312	52					0.470833	335			649									1250	Unknown		
50547	GirthWeld		135930.6		39.8	35.4	35.41	37360	Valve	34432.46	Valve	5464.72	36	0.312	52					0.1	335			649									1250	Unknown		
50548	GirthWeld		135966		35.4	39.75	39.75	37370	Valve	34467.86	Valve	5429.32	36	0.312	52					1:28	335			649									1250	Unknown		
50549	GirthWeld		136005.7		39.75	39.84	39.84	37380	Valve	34507.61	Valve	5389.57	36	0.312	52					11:06	335			649									1250	Unknown		
50550	GirthWeld		136045.5		39.84	39.82	39.83	37390	Valve	34547.45	Valve	5349.73	36	0.312	52					0.493056	335			649									1250	Unknown		
50551	GirthWeld		136085.4		39.82	39.49	39.49	37400	Valve	34587.27	Valve	5309.91	36	0.312	52					0.084722	335			649									1250	Unknown		
50552	GirthWeld		136124.9		39.49	35.01	35.01	37410	Valve	34626.76	Valve	5270.42	36	0.312	52					0.5375	335			649									1250	Unknown		
50553	GirthWeld		136159.9		35.01	39.82	39.82	37420	Valve	34661.77	Valve	5235.41	36	0.312	52					11:42	335			649									1250	Unknown		
50554	GirthWeld		136199.7		39.82	39.77	39.77	37430	Valve	34701.59	Valve	5195.59	36	0.312	52					10:16	335			649									1250	Unknown		
50555	GirthWeld		136239.5		39.77	38.97	38.97	37440	Valve	34741.36	Valve	5155.82	36	0.312	52					0.134722	335			649									1250	Unknown		
50556	GirthWeld		136278.4		38.97	39.42	39.42	37450	Valve	34780.33	Valve	5116.85	36	0.312	52					0.095833	335			649									1250	Unknown		
50557	GirthWeld		136317.8		39.42	40	40	37460	Valve	34819.75	Valve	5077.43	36	0.312	52					0.461111	335			649									1250	Unknown		
50558	MELO-CORR	YES	136346.8		28.97	11.04	40	37460	Valve	34848.72	Valve	5048.46	36	0.312	52	0.18	0.06	1.18	0.20	5:46	335	1068	769	649	0.44	1.18							1598	Metal Loss		
50560	CLUSTER	YES	136346.8		28.97	11.04	40	37460	Valve	34848.72	Valve	5048.46	36	0.312	52	0.18	0.06	8.80	0.88	6:13	335	976	703	649	0.48	1.11							1250	Unknown		
50566	CLUSTER	YES	136348.7		30.83	9.18	40	37460	Valve	34850.58	Valve	5046.6	36	0.312	52	0.15	0.05	4.92	0.57	0.241667	335	1023	737	649	0.45	1.14							1250	Unknown		
50568	MELO-CORR	YES	136350.1		32.28	7.72	40	37460	Valve	34852.03	Valve	5045.15	36	0.312	52	0.16	0.05	1.18	0.16	0.240972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50570	CLUSTER	YES	136350.6		32.76	7.25	40	37460	Valve	34852.51	Valve	5044.67	36	0.312	52	0.15	0.05	3.59	0.28	0.240972	335	1039	748	649	0.45	1.16							1250	Unknown		
50572	GirthWeld		136357.8		40	40.03	40.03	37470	Valve	34859.75	Valve	5037.43	36	0.312	52					9:28	335			649									1250	Unknown		
50574	CLUSTER	YES	136366.5		8.62	31.41	40.03	37470	Valve	34868.37	Valve	5028.81	36	0.312	52	0.18	0.06	8.92	0.47	6:14	335	975	702	649	0.48	1.11							1250	Unknown		
50579	CLUSTER	YES	136377.8		19.93	20.11	40.03	37470	Valve	34879.68	Valve	5017.5	36	0.312	52	0.15	0.05	8.18	0.91	0.284722	335	997	718	649	0.47	1.10							1250	Unknown		
50584	CLUSTER	YES	136387.5		29.7	10.34	40.03	37470	Valve	34889.45	Valve	5007.73	36	0.312	52	0.27	0.08	7.73	0.88	0.235417	335	932	671	649	0.50	1.10							1250	Unknown		
50589	CLUSTER	YES	136388.7		30.85	9.18	40.03	37470	Valve	34890.6	Valve	5006.58	36	0.312	52	0.21	0.07	9.30	0.63	0.238194	335	955	687	649	0.49	1.10							1250	Unknown		
50593	CLUSTER	YES	136389.9		32.03	8.01	40.03	37470	Valve	34891.78	Valve	5005.4	36	0.312	52	0.2	0.06	6.10	0.88	5:41	335	988	712	649	0.47	1.11							1250	Unknown		
50596	GirthWeld		136397.9		40.03	39.81	39.81	37480	Valve	34899.78	Valve	4997.4	36	0.312	52					1:48	335			649									1250	Unknown		
50597	GirthWeld		136437.7		39.81	39.7	39.7	37490	Valve	34939.59	Valve	4957.59	36	0.312	52					0.123611	335			649									1250	Unknown		
50598	GirthWeld		136477.4		39.7	39.33	39.33	37500	Valve	34979.29	Valve	4917.89	36	0.312	52					0.470833	335			649									1250	Unknown		
50599	GirthWeld		136516.7		39.33	39.29	39.29	37510	Valve	35018.62	Valve	4878.56	36	0.312	52					0.422222	335			649									1250	Unknown		
50600	MELO-CORR	YES	136525.3		8.57	30.73	39.29	37510	Valve	35027.19	Valve	4869.99	36	0.312	52	0.16	0.05	1.10	0.16	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50601	MELO-CORR	YES	136525.8		9.04	30.26	39.29	37510	Valve	35027.65	Valve	4869.52	36	0.312	52	0.15	0.05	2.52	0.55	5:56	335	1053	758	649	0.44	1.17							1598	Metal Loss		
50603	CLUSTER	YES	136543.5		26.8	12.49	39.29	37510	Valve	35045.42	Valve	4851.76	36	0.312	52	0.15	0.05	1.32	0.79	0.256944	335	1067	769	649	0.44	1.18							1250	Unknown		
50606	CLUSTER	YES	136551		34.28	5.01	39.29	37510	Valve	35052.9	Valve	4844.28	36	0.312	52	0.15	0.05	5.83	0.72	0.245833	335	1014	730	649	0.46	1.13							1250	Unknown		
50611	CLUSTER	YES	136553.1		36.38	2.91	39.29	37510	Valve	35055	Valve	4842.18	36	0.312	52	0.17	0.05	11.15	2.36	0.239583	335	971	699	649	0.48	1.10							1250	Unknown		
50616	GirthWeld		136556		39.29	39.66	39.66	37520	Valve	35057.91	Valve	4839.27	36	0.312	52					1:43	335			649									1250	Unknown		
50618	CLUSTER	YES	136558.2		2.21	37.46	39.66	37520	Valve	35060.12	Valve	4837.06	36	0.312	52	0.2	0.06	6.37	1.07	6:10	335	985	709	649	0.47	1.09							1250	Unknown		
50623	CLUSTER	YES	136569.9		13.93	25.73	39.66	37520	Valve	35071.84	Valve	4825.34	36	0.312	52	0.15	0.05	7.92	0.88	0.251389	335	998	719	649	0.47	1.11							1250	Unknown		
50626	MELO-CORR	YES	136583.5		27.51	12.15	39.66	37520	Valve	35085.42	Valve	4811.76	36	0.312	52	0.18	0.06	1.10	0.35	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50628	CLUSTER	YES	136585		28.99	10.67	39.66	37520	Valve	35086.9	Valve	4810.28	36	0.312	52	0.15	0.05	4.39	0.79	0.246528	335	1029	741	649	0.45	1.14							1250	Unknown		
50631	CLUSTER	YES	136586.1		30.13	9.53	39.66	37520	Valve	35088.04	Valve	4809.14	36	0.312	52	0.16	0.05	5.56	0.60	6:10	335	1012	729	649	0.46	1.12							1250	Unknown		
50634	MELO-CORR	YES	136589.5		33.52	6.14	39.66	37520	Valve	35091.43	Valve	4805.75	36	0.312	52	0.16	0.05	1.22	0.20	5:54	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50636	CLUSTER	YES	136590.9		34.92	4.75	39.66	37520	Valve	35092.83	Valve	4804.35	36	0.312	52	0.24	0.08	4.40	0.50	0.245833	335	997	718	649	0.47	1.12							1250	Unknown		
50639	CLUSTER	YES	136592.1		36.05	3.61	39.66	37520	Valve	35093.96	Valve	4803.21	36	0.312	52	0.15	0.05	4.44	1.29	0.25625	335	1028	740	649	0.45	1.15							1250	Unknown		
50641	GirthWeld		136595.7		39.66	39.79	39.79	37530	Valve	35097.57	Valve	4799.61	36	0.312	52					0.53125	335			649									1250	Unknown		
50643	CLUSTER	YES	136598.4		2.76	37.04	39.79	37530	Valve	35100.33	Valve	4796.85	36	0.312	52	0.15	0.05	16.81	3.93	5:52	335	970	698	649	0.48	1.08							1250	Unknown		
50654	MELO-CORR	YES	136600		4.31	35.48	39.79	37530	Valve	35101.88	Valve	4795.3	36	0.312	52	0.16	0.05	1.22	0.16	6:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50655	MELO-CORR	YES	136613.1		17.4	22.4	39.79	37530	Valve	35114.97	Valve	4782.21	36	0.312	52	0.17	0.05	1.06	0.16	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50656	GirthWeld		136635.5		39.79	39.88	39.88	37540	Valve	35137.36	Valve	4759.82	36	0.312	52					0.419444	335			649									1250	Unknown		
50657	GirthWeld		136675.3		39.88	39.81	39.81	37550	Valve	35177.24	Valve	4719.94	36	0.312	52					0.479167	335			649									1250	Unknown		
50658	GirthWeld		136715.1		39.81	39.85	39.85	37560	Valve	35217.05	Valve	4680.13	36	0.312	52					12:24	335			649									1250	Unknown		
50659	GirthWeld		136755		39.85	39.69	39.69	37570	Valve	35256.9	Valve	4640.28	36	0.312	52					12:57	335			649									1250	Unknown		
50660	GirthWeld		136794.7		39.69	39.65	39.65	37580	Valve	35296.59	Valve	4600.59	36	0.312	52					0.44375	335			649									1250	Unknown		
50661	GirthWeld		136834.3		39.65	39.77	39.78	37590	Valve	35336.24	Valve	4560.94	36	0.312	52					0.5	335			649									1250	Unknown		
50662	GirthWeld		136874.1		39.77	39.73	39.73	37600	Valve	35376.01	Valve	4521.17	36	0.312	52					0.055556	335			649									1250	Unknown		
50663	GirthWeld		136913.8		39.73	39.83	39.83	37610	Valve	35415.74	Valve	4481.44	36	0.312	52					11:30	335			649									1250	Unknown		
50665	CLUSTER	YES	136950.7		36.82	3	39.83	37610	Valve	35452.56	Valve	4444.62	36	0.312	52	0.19	0.06	10.21	0.94	5:46	335	962	693	649	0.48	1.10							1250	Unknown		
50670	GirthWeld		136953.7		39.83	39.83	39.83	37620	Valve	35455.57	Valve	4441.61	36	0.312	52					0.045833	335			649									1250	Unknown		
50672	CLUSTER	YES	136971.9		18.25	21.57	39.83	37620	Valve	35473.82	Valve	4423.36	36	0.312	52	0.16	0.05	4.64	1.29	0.259028	335	1022	736	649	0.46	1.14							1250	Unknown		
50676	MELO-CORR	YES	136975.9		22.19	17.63	39.83	37620	Valve	35477.76	Valve	4419.42	36	0.312	52	0.17	0.05	1.22	0.20	0.243056	335	1068	769	649	0.44	1.18							1598	Metal Loss		
50678	CLUSTER	YES	136986.5		32.84	6.99	39.83	37620	Valve	35488.41	Valve	4408.77	36	0.312	52	0.26	0.08	4.57	0.88	5:51	335	986	710	649	0.47	1.12							1250	Unknown		
50681	GirthWeld		136993.5		39.83	39.71	39.71	37630	Valve	35495.4	Valve	4401.78	36	0.312	52					1:56	335			649									1250	Unknown		
50683	CLUSTER	YES	136998.8		5.26	34.45	39.71	37630	Valve	35500.66	Valve	4396.52	36	0.312	52	0.18	0.06	8.74	1.95	0.246528	335	976	703	649	0.48	1.09							1250	Unknown		
50688	CLUSTER	YES	137020.6		27.1	12.61	39.71	37630	Valve	35522.5	Valve	4374.68	36	0.312	52	0.24	0.08	2.88	1.26	0.245833	335	1029	741	649	0.45	1.15							1250	Unknown		
50692	CLUSTER	YES	137027		33.49	6.22	39.71	37630	Valve	35528.89	Valve	4368.29	36	0.312	52	0.16	0.05	5.72	0.94	0.25	335	1011	728	649	0.46	1.12							1250	Unknown		
50695	CLUSTER	YES	137028.2		34.7	5.01	39.71	37630	Valve	35530.1	Valve	4367.08	36	0.312	52	0.16	0.05	12.82	1.89	6:05	335	971	699	649	0.48	1.09							1250	Unknown		
50702	MELO-CORR	YES	137031.1		37.65	2.06	39.71	37630	Valve	35533.05	Valve	4364.13	36	0.312	52	0.16	0.05	1.22	0.24	5:51	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50704	CLUSTER	YES	137032.6		39.15	0.56	39.71	37630	Valve	35534.55	Valve	4362.63	36	0.312	52	0.19	0.06	6.08	1.76	0.254167	335	993	715	649	0.47	1.11							1250	Unknown		
50707	GirthWeld		137033.2		39.71	39.87	39.87	37640	Valve	35535.11	Valve	4362.07	36	0.312	52					0.503472	335			649									1250	Unknown		
50709	CLUSTER	YES	137036.6		3.4	36.47	39.87	37640	Valve	35538.51	Valve	4358.67	36	0.312	52	0.18	0.06	13.76	1.95	0.256944	335	955	688	649	0.49	1.09							1250	Unknown		
50717	CLUSTER	YES	137037.4		4.19	35.68	39.87	37640	Valve	35539.3	Valve	4357.88	36	0.312	52	0.19	0.06	3.16	0.57	5:49	335	1035	745	649	0.45	1.16							1250	Unknown		
50721	CLUSTER	YES	137048		14.77	25.09	39.87	37640	Valve	35549.89	Valve	4347.29	36	0.312	52	0.24	0.08	18.42	6.07	5:35	335	900	648	649	0.52	1.07							1250	Unknown		
50731	CLUSTER	YES	137053.4		20.18	19.69	39.87	37640	Valve	35555.29	Valve	4341.89	36	0.312	52	0.21	0.07	3.30	0.28	0.243056	335	1028	740	649	0.45	1.14							1250	Unknown		
50733	MELO-CORR	YES	137061		27.76	12.11	39.87	37640	Valve	35562.87	Valve	4334.31	36	0.312	52	0.15	0.05	3.90	0.20	0.269444	335	1035	745	649	0.45	1.15							1598	Metal Loss		
50734	GirthWeld		137073.1		39.87	30.56	30.56	37650	Valve	35574.98	Valve	4322.2	36	0.312	52					0.058333	335			649									1250	Unknown		
50736	CLUSTER	YES	137074.8		1.77	28.79	30.56	37650	Valve	35576.75	Valve	4320.43	36	0.312	52	0.23	0.07	4.38	0.69	6:08	335	1001	721	649	0.46	1.14							1250	Unknown		
50739	CLUSTER	YES	137079.1		6.07	24.49	30.56	37650	Valve	35581.05	Valve	4316.13	36	0.312	52	0.15	0.05	13.76	0.79	5:48	335	976	703	649	0.48	1.09							1250	Unknown		
50745	CLUSTER	YES	137080.4		7.31	23.25	30.56	37650	Valve	35582.29	Valve	4314.89	36	0.312	52	0.17	0.05	7.93	0.97	0.240972	335	987	711	649	0.47	1.11							1250	Unknown		
50749	MELO-CORR	YES	137081.9		8.81	21.75	30.56	37650	Valve	35583.79	Valve	4313.39	36	0.312	52	0.15	0.05	2.72	0.59	0.240972	335	1050	756	649	0.44	1.16							1598	Metal Loss		
50750	MELO-CORR	YES	137090		16.96	13.6	30.56	37650	Valve	35591.94	Valve	4305.24	36	0.312	52	0.21	0.07	1.22	0.16	0.243056	335	1066	767	649	0.44	1.18							1598	Metal Loss		
50752	CLUSTER	YES	137090.6		17.54	13.02	30.56	37650	Valve	35592.52	Valve	4304.66	36	0.312	52	0.16	0.05	6.14	0.57	5:50	335	1007	725	649	0.46	1.12							1250	Unknown		
50755	CLUSTER	YES	137091.3		18.2	12.36	30.56	37650	Valve	35593.18	Valve	4304	36	0.312	52	0.16	0.05	3.76	0.47	5:48	335	1034	745	649	0.45	1.15							1250	Unknown		
50758	CLUSTER	YES	137094.9		21.78	8.78	30.56	37650	Valve	35596.76	Valve	4300.42	36	0.312	52	0.29	0.09	13.92	2.04	0.236806	335	875	630	649	0.53	1.07							1250	Unknown		
50765	CLUSTER	YES	137099.4		26.34	4.22	30.56	37650	Valve	35601.32	Valve	4295.86	36	0.312	52	0.24	0.08	10.34	0.76	0.240972	335	929	669	649	0.50	1.10							1250	Unknown		
50770	CLUSTER	YES	137102		28.94	1.62	30.56	37650	Valve	35603.92	Valve	4293.26	36	0.312	52	0.27	0.08	3.11	0.66	0.240278	335	1016	732	649	0.46	1.15							1250	Unknown		
50772	GirthWeld		137103.6		30.56	39.82	39.82	37660	Valve	35605.54	Valve	4291.64	36	0.312	52					10:54	335			649									1250	Unknown		
50774	CLUSTER	YES	137104.2		0.53	39.29	39.82	37660	Valve	35606.07	Valve	4291.11	36	0.312	52	0.16	0.05	15.73	2.64	5:44	335	965	695	649	0.48	1.07							1250	Unknown		
50782	MELO-CORR	YES	137107		3.36	36.46	39.82	37660	Valve	35608.9	Valve	4288.28	36	0.312	52	0.16	0.05	1.22	0.43	0.240278	335	1068	769	649	0.44	1.19							1598	Metal Loss		
50784	CLUSTER	YES	137107.9		4.31	35.51	39.82	37660	Valve	35609.85	Valve	4287.33	36	0.312	52	0.17	0.05	2.28	1.07	0.256944	335	1053	758	649	0.44	1.17							1250	Unknown		
50787	CLUSTER	YES	137113.1		9.45	30.37	39.82	37660	Valve	35614.99	Valve	4282.19	36	0.312	52	0.18	0.06	8.71	1.60	0.238889	335	977	703	649	0.48	1.11							1250	Unknown		
50792	MELO-CORR	YES	137114		10.41	29.41	39.82	37660	Valve	35615.95	Valve	4281.23	36	0.312	52	0.17	0.05	1.14	0.16	5:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
50793	MELO-CORR	YES	137114.8		11.15	28.67	39.82	37660	Valve	35616.69	Valve	4280.49	36	0.312	52	0.16	0.05	1.18	0.24	6:22	335	1069	769	649	0.44	1.19							1598	Metal Loss		
50795	CLUSTER	YES	137115		11.34	28.48	39.82	37660	Valve	35616.88	Valve	4280.3	36	0.312	52	0.27	0.08	17.80	1.07	0.238889	335	878	632	649	0.53	1.08							1250	Unknown		
50802	CLUSTER	YES	137115.6		11.94	27.88	39.82	37660	Valve	35617.48	Valve	4279.7	36	0.312	52	0.16	0.05	12.47	1.51	0.261111	335	973	700	649	0.48	1.09							1250	Unknown		
50814	CLUSTER	YES	137117.4		13.72	26.1	39.82	37660	Valve	35619.26	Valve	4277.92	36	0.312	52	0.21	0.07	3.88	0.88	0.240278	335	1017	732	649	0.46	1.14							1250	Unknown		
50818	CLUSTER	YES	137117.9		14.23	25.59	39.82	37660	Valve	35619.77	Valve	4277.41	36	0.312	52	0.21	0.07	8.27	1.04	5:45	335	962	693	649	0.48	1.09							1250	Unknown		
50824	CLUSTER	YES	137119		15.38	24.44	39.82	37660	Valve	35620.92	Valve	4276.26	36	0.312	52	0.18	0.06	15.55	1.51	6:14	335	951	685	649	0.49	1.09							1250	Unknown		
50828	CLUSTER	YES	137119.1		15.51	24.31	39.82	37660	Valve	35621.05	Valve	4276.13	36	0.312	52	0.31	0.10	4.93	1.42	0.238194	335	956	689	649	0.49	1.13							1250	Unknown		
50837	CLUSTER	YES	137119.8		16.14	23.68	39.82	37660	Valve	35621.68	Valve	4275.49	36	0.312	52	0.29	0.09	18.71	1.67	0.2375	335	861	620	649	0.54	1.05							1250	Unknown		
50851	MELO-CORR	YES	137121.6		17.99	21.83	39.82	37660	Valve	35623.53	Valve	4273.65	36	0.312	52	0.17	0.05	1.22

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
50956	MELO-CORR	YES	137140.1		36.43	3.39	39.82	37660	Valve	35641.97	Valve	4255.21	36	0.312	52	0.15	0.05	1.14	0.16	5:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
50958	CLUSTER	YES	137140.6		36.94	2.88	39.82	37660	Valve	35642.48	Valve	4254.7	36	0.312	52	0.21	0.07	17.93	1.70	6:08	335	924	665	649	0.50	1.08							1250	Unknown		
50962	MELO-CORR	YES	137141		37.35	2.47	39.82	37660	Valve	35642.89	Valve	4254.29	36	0.312	52	0.35	0.11	1.22	0.28	0.24375	335	1057	761	649	0.44	1.18							1598	Metal Loss		
50972	CLUSTER	YES	137142.2		38.54	1.29	39.82	37660	Valve	35644.08	Valve	4253.1	36	0.312	52	0.15	0.05	1.18	0.91	0.259028	335	1069	770	649	0.44	1.19							1250	Unknown		
50974	GirthWeld		137143.5		39.82	39.19	39.19	37670	Valve	35645.36	Valve	4251.82	36	0.312	52					0.417361	335			649									1250	Unknown		
50976	CLUSTER	YES	137144.7		1.28	37.91	39.19	37670	Valve	35646.64	Valve	4250.54	36	0.312	52	0.15	0.05	8.05	0.76	6:16	335	997	718	649	0.47	1.12							1250	Unknown		
50979	CLUSTER	YES	137145		1.51	37.68	39.19	37670	Valve	35646.87	Valve	4250.31	36	0.312	52	0.22	0.07	14.87	1.51	5:46	335	923	665	649	0.50	1.07							1250	Unknown		
50986	CLUSTER	YES	137149.6		6.16	33.04	39.19	37670	Valve	35651.52	Valve	4245.66	36	0.312	52	0.2	0.06	3.40	0.22	0.244444	335	1029	741	649	0.45	1.15							1250	Unknown		
50988	GirthWeld		137182.6		39.19	39.87	39.86	37680	Valve	35684.55	Valve	4212.63	36	0.312	52					0.391667	335			649									1250	Unknown		
50990	CLUSTER	YES	137202.2		19.57	20.3	39.86	37680	Valve	35704.12	Valve	4193.06	36	0.312	52	0.16	0.05	7.34	0.91	0.241667	335	997	718	649	0.47	1.12							1250	Unknown		
50994	CLUSTER	YES	137218.5		35.87	4	39.86	37680	Valve	35720.42	Valve	4176.76	36	0.312	52	0.15	0.05	7.14	1.26	6:10	335	1004	723	649	0.46	1.12							1250	Unknown		
51001	CLUSTER	YES	137219.2		36.55	3.32	39.86	37680	Valve	35721.1	Valve	4176.08	36	0.312	52	0.15	0.05	5.15	0.25	5:49	335	1021	735	649	0.46	1.14							1250	Unknown		
51004	CLUSTER	YES	137221.3		38.64	1.22	39.86	37680	Valve	35723.2	Valve	4173.98	36	0.312	52	0.16	0.05	8.08	0.63	0.241667	335	992	714	649	0.47	1.12							1250	Unknown		
51007	GirthWeld		137222.5		39.87	39.83	39.83	37690	Valve	35724.42	Valve	4172.76	36	0.312	52					0.454167	335			649									1250	Unknown		
51008	GirthWeld		137262.3		39.83	39.6	39.6	37700	Valve	35764.25	Valve	4132.93	36	0.312	52					0.476389	335			649									1250	Unknown		
51010	CLUSTER	YES	137290		27.68	11.92	39.6	37700	Valve	35791.93	Valve	4105.25	36	0.312	52	0.17	0.05	3.77	0.32	5:48	335	1031	742	649	0.45	1.15							1250	Unknown		
51013	CLUSTER	YES	137290.9		28.51	11.1	39.6	37700	Valve	35792.76	Valve	4104.42	36	0.312	52	0.15	0.05	13.64	0.85	5:47	335	976	703	649	0.48	1.09							1250	Unknown		
51020	CLUSTER	YES	137296.1		33.8	5.8	39.6	37700	Valve	35798.05	Valve	4099.13	36	0.312	52	0.17	0.05	7.13	0.76	0.2625	335	993	715	649	0.47	1.12							1250	Unknown		
51024	GirthWeld		137301.9		39.6	39.76	39.75	37710	Valve	35803.85	Valve	4093.33	36	0.312	52					0.434028	335			649									1250	Unknown		
51026	CLUSTER	YES	137338.5		36.6	3.16	39.75	37710	Valve	35840.45	Valve	4056.73	36	0.312	52	0.17	0.05	9.52	0.60	0.243056	335	978	704	649	0.48	1.10							1250	Unknown		
51031	GirthWeld		137341.7		39.76	36.49	36.49	37720	Valve	35843.61	Valve	4053.57	36	0.312	52					2:02	335			649									1250	Unknown		
51032	GirthWeld		137378.2		36.49	39.78	39.79	37730	Valve	35880.1	Valve	4017.08	36	0.312	52					1:02	335			649									1250	Unknown		
51033	GirthWeld		137418		39.78	39.8	39.8	37740	Valve	35919.88	Valve	3977.3	36	0.312	52					0.46875	335			649									1250	Unknown		
51034	GirthWeld		137457.8		39.8	39.8	39.8	37750	Valve	35959.68	Valve	3937.5	36	0.312	52					0.431944	335			649									1250	Unknown		
51035	GirthWeld		137497.6		39.8	39.72	39.72	37760	Valve	35999.48	Valve	3897.7	36	0.312	52					0.077778	335			649									1250	Unknown		
51036	GirthWeld		137537.3		39.72	39.12	39.12	37770	Valve	36039.2	Valve	3857.98	36	0.312	52					12:50	335			649									1250	Unknown		
51037	GirthWeld		137576.4		39.12	39.76	39.76	37780	Valve	36078.32	Valve	3818.86	36	0.312	52					11:34	335			649									1250	Unknown		
51038	GirthWeld		137616.2		39.76	39.52	39.51	37790	Valve	36118.08	Valve	3779.1	36	0.312	52					0.427778	335			649									1250	Unknown		
51039	GirthWeld		137655.7		39.52	36.62	36.62	37800	Valve	36157.6	Valve	3739.58	36	0.312	52					0.045833	335			649									1250	Unknown		
51040	GirthWeld		137692.3		36.62	39.74	39.74	37810	Valve	36194.22	Valve	3702.96	36	0.312	52					0.1	335			649									1250	Unknown		
51042	CLUSTER	YES	137708.7		16.34	23.4	39.74	37810	Valve	36210.56	Valve	3686.62	36	0.312	52	0.18	0.06	8.27	0.94	5:44	335	979	705	649	0.48	1.11							1250	Unknown		
51047	CLUSTER	YES	137712.8		20.51	19.23	39.74	37810	Valve	36214.73	Valve	3682.45	36	0.312	52	0.15	0.05	3.84	1.38	6:37	335	1035	745	649	0.45	1.15							1250	Unknown		
51049	GirthWeld		137732.1		39.74	39.53	39.53	37820	Valve	36233.96	Valve	3663.22	36	0.312	52					0.4375	335			649									1250	Unknown		
51050	GirthWeld		137771.6		39.53	39.73	39.73	37830	Valve	36273.49	Valve	3623.69	36	0.312	52					0.390278	335			649									1250	Unknown		
51051	GirthWeld		137811.3		39.73	39.45	39.45	37840	Valve	36313.22	Valve	3583.96	36	0.312	52					0.130556	335			649									1250	Unknown		
51052	GirthWeld		137850.8		39.45	39.79	39.79	37850	Valve	36352.67	Valve	3544.51	36	0.312	52					1:54	335			649									1250	Unknown		
51054	CLUSTER	YES	137862.7		11.94	27.85	39.79	37850	Valve	36364.61	Valve	3532.57	36	0.312	52	0.3	0.09	15.28	1.20	6:06	335	863	621	649	0.54	1.04							1250	Unknown		
51061	GirthWeld		137890.6		39.79	39.88	39.88	37860	Valve	36392.46	Valve	3504.72	36	0.312	52					0.476389	335			649									1250	Unknown		
51063	CLUSTER	YES	137894.5		3.9	35.98	39.88	37860	Valve	36396.36	Valve	3500.82	36	0.312	52	0.16	0.05	9.79	1.10	0.254861	335	983	707	649	0.47	1.11							1250	Unknown		
51069	GirthWeld		137930.4		39.88	39.77	39.77	37870	Valve	36432.34	Valve	3464.84	36	0.312	52					0.45	335			649									1250	Unknown		
51070	GirthWeld		137970.2		39.77	39.36	39.36	37880	Valve	36472.11	Valve	3425.07	36	0.312	52					1:06	335			649									1250	Unknown		
51072	CLUSTER	YES	138006.5		36.31	3.05	39.36	37880	Valve	36508.42	Valve	3388.76	36	0.312	52	0.25	0.08	10.55	1.04	6:05	335	921	663	649	0.51	1.08							1250	Unknown		
51078	GirthWeld		138009.6		39.36	39.68	39.68	37890	Valve	36511.47	Valve	3385.71	36	0.312	52					0.089583	335			649									1250	Unknown		
51079	GirthWeld		138049.2		39.68	39.93	39.93	37900	Valve	36551.15	Valve	3346.03	36	0.312	52					0.375	335			649									1250	Unknown		
51080	GirthWeld		138089.2		39.93	39.6	39.59	37910	Valve	36591.08	Valve	3306.1	36	0.312	52					0.436111	335			649									1250	Unknown		
51081	GirthWeld		138128.8		39.6	39.96	39.97	37920	Valve	36630.68	Valve	3266.5	36	0.312	52					1:16	335			649									1250	Unknown		
51083	CLUSTER	YES	138161.4		32.62	7.35	39.97	37920	Valve	36663.3	Valve	3233.88	36	0.312	52	0.17	0.05	10.54	0.94	5:51	335	973	701	649	0.48	1.08							1250	Unknown		
51089	CLUSTER	YES	138166.7		37.92	2.04	39.97	37920	Valve	36668.6	Valve	3228.58	36	0.312	52	0.17	0.05	1.55	0.88	0.259722	335	1064	766	649	0.44	1.18							1250	Unknown		
51091	GirthWeld		138168.7		39.96	39.87	39.87	37930	Valve	36670.64	Valve	3226.54	36	0.312	52					0.101389	335			649									1250	Unknown		
51093	CLUSTER	YES	138177.1		8.36	31.5	39.87	37930	Valve	36679	Valve	3218.18	36	0.312	52	0.17	0.05	7.93	0.63	0.255556	335	987	711	649	0.47	1.12							1250	Unknown		
51098	CLUSTER	YES	138204.5		35.8	4.06	39.87	37930	Valve	36706.45	Valve	3190.73	36	0.312	52	0.19	0.06	13.48	2.48	5:54	335	949	683	649	0.49	1.10							1250	Unknown		
51105	CLUSTER	YES	138206.7		37.94	1.93	39.87	37930	Valve	36708.58	Valve	3188.6	36	0.312	52	0.16	0.05	10.32	2.11	5:55	335	980	706	649	0.47	1.09							1250	Unknown		
51109	GirthWeld		138208.6		39.87	39.37	39.38	37940	Valve	36710.51	Valve	3186.67	36	0.312	52					0.485417	335			649									1250	Unknown		
51111	CLUSTER	YES	138210.4		1.76	37.62	39.38	37940	Valve	36712.27	Valve	3184.91	36	0.312	52	0.21	0.07	2.05	1.89	0.247222	335	1052	757	649	0.44	1.17							1250	Unknown		
51114	CLUSTER	YES	138210.7		2.12	37.25	39.38	37940	Valve	36712.63	Valve	3184.55	36	0.312	52	0.25	0.08	4.52	1.07	0.252083	335	990	713	649	0.47	1.11							1250	Unknown		
51119	CLUSTER	YES	138212.8		4.22	35.15	39.38	37940	Valve	36714.73	Valve	3182.45	36	0.312	52	0.16	0.05	8.53	2.45	5:55	335	989	712	649	0.47	1.10							1250	Unknown		
51125	MELO-CORR	YES	138215		6.37	33	39.38	37940	Valve	36716.88	Valve	3180.3	36	0.312	52	0.16	0.05	1.10	0.16	6:07	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51127	CLUSTER	YES	138217.7		9.05	30.32	39.38	37940	Valve	36719.56	Valve	3177.62	36	0.312	52	0.15	0.05	35.84	2.80	0.245139	335	955	688	649	0.49	1.07							1250	Unknown		
51143	GirthWeld		138248		39.37	39.52	39.52	37950	Valve	36749.88	Valve	3147.3	36	0.312	52					0.458333	335			649									1250	Unknown		
51144	GirthWeld		138287.5		39.52	40.02	40.02	37960	Valve	36789.4	Valve	3107.78	36	0.312	52					0.531944	335			649									1250	Unknown		
51145	GirthWeld		138327.5		40.02	38.93	38.93	37970	Valve	36829.42	Valve	3067.76	36	0.312	52					1:52	335			649									1250	Unknown		
51147	CLUSTER	YES	138344.5		17.03	21.89	38.93	37970	Valve	36846.45	Valve	3050.73	36	0.312	52	0.17	0.05	5.69	2.17	5:54	335	1007	725	649	0.46	1.13							1250	Unknown		
51150	CLUSTER	YES	138362.1		34.58	4.35	38.93	37970	Valve	36864	Valve	3033.18	36	0.312	52	0.18	0.06	17.28	1.60	0.252778	335	947	682	649	0.49	1.07							1250	Unknown		
51155	CLUSTER	YES	138362.6		35.08	3.85	38.93	37970	Valve	36864.5	Valve	3032.68	36	0.312	52	0.15	0.05	13.56	1.01	0.241667	335	976	703	649	0.48	1.09							1250	Unknown		
51165	CLUSTER	YES	138365.5		37.96	0.96	38.93	37970	Valve	36867.38	Valve	3029.8	36	0.312	52	0.19	0.06	10.42	3.30	0.242361	335	961	692	649	0.48	1.10							1250	Unknown		
51171	GirthWeld		138366.4		38.92	39.83	39.84	37980	Valve	36868.35	Valve	3028.83	36	0.312	52					11:24	335			649									1250	Unknown		
51173	CLUSTER	YES	138375.8		9.35	30.48	39.84	37980	Valve	36877.7	Valve	3019.48	36	0.312	52	0.16	0.05	15.49	3.17	5:53	335	965	695	649	0.48	1.09							1250	Unknown		
51181	MELO-CORR	YES	138381.7		15.24	24.6	39.84	37980	Valve	36883.59	Valve	3013.59	36	0.312	52	0.16	0.05	2.99	0.35	0.245833	335	1045	752	649	0.45	1.16							1598	Metal Loss		
51183	CLUSTER	YES	138396.7		30.25	9.59	39.84	37980	Valve	36898.6	Valve	2998.58	36	0.312	52	0.24	0.08	5.34	0.38	0.245833	335	980	706	649	0.47	1.10							1250	Unknown		
51185	GirthWeld		138406.3		39.83	39.3	39.31	37990	Valve	36908.18	Valve	2988.99	36	0.312	52					0.433333	335			649									1250	Unknown		
51186	MELO-CORR	YES	138408.4		2.16	37.15	39.31	37990	Valve	36910.34	Valve	2986.84	36	0.312	52	0.15	0.05	1.10	0.39	5:50	335	1070	770	649	0.43	1.19							1598	Metal Loss		
51188	CLUSTER	YES	138411.5		5.21	34.1	39.31	37990	Valve	36913.39	Valve	2983.79	36	0.312	52	0.22	0.07	4.44	0.82	5:47	335	1003	722	649	0.46	1.12							1250	Unknown		
51191	CLUSTER	YES	138411.8		5.57	33.75	39.31	37990	Valve	36913.75	Valve	2983.43	36	0.312	52	0.22	0.07	11.60	0.69	0.254167	335	935	673	649	0.50	1.06							1250	Unknown		
51197	CLUSTER	YES	138420.1		13.86	25.45	39.31	37990	Valve	36922.04	Valve	2975.14	36	0.312	52	0.18	0.06	5.17	2.23	0.24375	335	1009	726	649	0.46	1.12							1250	Unknown		
51201	CLUSTER	YES	138422.1		15.86	23.46	39.31	37990	Valve	36924.04	Valve	2973.14	36	0.312	52	0.24	0.08	13.88	3.08	0.243056	335	912	657	649	0.51	1.04							1250	Unknown		
51208	CLUSTER	YES	138424.5		18.24	21.07	39.31	37990	Valve	36926.42	Valve	2970.76	36	0.312	52	0.2	0.06	14.36	3.17	5:50	335	939	676	649	0.50	1.07							1250	Unknown		
51213	MELO-CORR	YES	138432.3		26.02	13.29	39.31	37990	Valve	36934.2	Valve	2962.98	36	0.312	52	0.24	0.08	1.14	0.20	6:05	335	1065	767	649	0.44	1.18							1598	Metal Loss		
51215	CLUSTER	YES	138432.3		26.04	13.27	39.31	37990	Valve	36934.22	Valve	2962.96	36	0.312	52	0.16	0.05	8.80	2.67	0.24375	335	988	711	649	0.47	1.11							1250	Unknown		
51220	CLUSTER	YES	138434.4		28.13	11.18	39.31	37990	Valve	36936.31	Valve	2960.87	36	0.312	52	0.23	0.07	7.70	1.42	0.252778	335	955	688	649	0.49	1.10							1250	Unknown		
51225	CLUSTER	YES	138435.2		28.96	10.35	39.31	37990	Valve	36937.14	Valve	2960.04	36	0.312	52	0.21	0.07	9.68	0.97	0.24375	335	952	686	649	0.49	1.08							1250	Unknown		
51230	MELO-CORR	YES	138436.8		30.49	8.82	39.31	37990	Valve	36938.67	Valve	2958.51	36	0.312	52	0.17	0.05	1.30	0.94	5:52	335	1067	768	649	0.44	1.18							1598	Metal Loss		
51232	CLUSTER	YES	138438.9		32.64	6.67	39.31	37990	Valve	36940.82	Valve	2956.36	36	0.312	52	0.17	0.05	3.91	2.58	5:52	335	1029	741	649	0.45	1.15							1250	Unknown		
51235	GirthWeld		138445.6		39.31	39.77	39.77	38000	Valve	36947.49	Valve	2949.69	36	0.312	52					0.534722	335			649									1250	Unknown		
51237	CLUSTER	YES	138446.6		1	38.77	39.77	38000	Valve	36948.49	Valve	2948.69	36	0.312	52	0.2	0.06	8.44	0.85	0.244444	335	967	696	649	0.48	1.11							1250	Unknown		
51242	CLUSTER	YES	138450.6		4.99	34.79	39.77	38000	Valve	36952.48	Valve	2944.7	36	0.312	52	0.17	0.05	2.70	0.38	0.244444	335	1047	754	649	0.44	1.16							1250	Unknown		
51244	MELO-CORR	YES	138451.8		6.21	33.56	39.77	38000	Valve	36953.7	Valve	2943.48	36	0.312	52	0.15	0.05	1.18	0.20	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51246	CLUSTER	YES	138461.9		16.27	23.5	39.77	38000	Valve	36963.76	Valve	2933.42	36	0.312	52	0.19	0.06	2.70	0.91	5:48	335	1043	751	649	0.45	1.16							1250	Unknown		
51249	CLUSTER	YES	138462.8		17.22	22.56	39.77	38000	Valve	36964.71	Valve	2932.47	36	0.312	52	0.19	0.06	2.74	0.88	0.244444	335	1043	751	649	0.45	1.16							1250	Unknown		
51252	CLUSTER	YES	138463.3		17.67	22.1	39.77	38000	Valve	36965.16	Valve	2932.02	36	0.312	52	0.21	0.07	4.49	0.47	0.243056	335	1006	725	649	0.46	1.12							1250	Unknown		
51255	CLUSTER	YES	138473.5		27.93	11.84	39.77	38000	Valve	36975.42	Valve	2921.76	36	0.312	52	0.15	0.05	6.79	0.94	0.252778	335	1006	724	649	0.46	1.12							1250	Unknown		
51257	MELO-CORR	YES	138475.8		30.24	9.53	39.77	38000	Valve	36977.73	Valve	2919.45	36	0.312	52	0.18	0.06	1.10	0.16	6:11	335	1069	769	649	0.44	1.19							1598	Metal Loss		
51259	CLUSTER	YES	138476		30.42	9.35	39.77	38000	Valve	36977.91	Valve	2919.27	36	0.312	52	0.25	0.08	12.08	0.91	6:06	335	912	657	649	0.51	1.07							1250	Unknown		
51264	CLUSTER	YES	138480		34.43	5.34	39.77	38000	Valve	36981.92	Valve	2915.26	36	0.312	52	0.15	0.05	4.03	0.38	0.243056	335	1033	744	649	0.45	1.14							1250	Unknown		
51266	MELO-CORR	YES	138484.1		38.51	1.26	39.77	38000	Valve	36986	Valve	2911.18	36	0.312	52	0.18	0.06	1.22	0.16	0.254861	335	1067	768	649	0.44	1.18							1598	Metal Loss		
51267	GirthWeld		138485.4		39.77	39.8	39.8	38010	Valve	36987.26	Valve	2909.92	36	0.312	52					0.090278	335			649									1250	Unknown		
51269	CLUSTER	YES	138488.1		2.72	37.08	39.8	38010	Valve	36989.98	Valve	2907.2	36	0.312	52	0.21	0.07	4.36	0.35	6:03	335	1008	726	649	0.46	1.12							1250	Unknown		
51271	MELO-CORR	YES	138489.2		3.85	35.95	39.8	38010	Valve	36991.11	Valve	2906.07	36	0.312	52	0.18	0.06	1.18	0.20	5:51	335	1068	769	649	0.44	1.18							1598	Metal Loss		
51273	CLUSTER	YES	138492.5		7.13	32.67	39.8	38010	Valve	36994.39	Valve	2902.79	36	0.312	52	0.15	0.05	5.14	2.55	0.24375	335	1021	735	649	0.46	1.13							1250	Unknown		
51276	CLUSTER	YES	138495.9		10.58	29.22	39.8	38010	Valve	36997.84	Valve	2899.34	36	0.312	52	0.24	0.08	7.90	2.77	0.243056	335	948	682	649	0.49	1.08							1250	Unknown		
51283	CLUSTER	YES	138497.6		12.21	27.6	39.8	38010	Valve	36999.47	Valve	2897.71	36	0.312	52	0.21	0.07	4.93	0.69	0.241667	335	1000	720	649	0.47	1.12							1250	Unknown		
51286	CLUSTER	YES	138498.9		13.56	26.24	39.8	38010	Valve	37000.82	Valve	2896.36	36	0.312	52	0.16	0.05	10.25	2.61	5:52	335	981	706	649	0.47	1.10							1250	Unknown		
51293	CLUSTER	YES	138503.3		17.93	21.88	39.8	38010	Valve	37005.19	Valve	2891.99	36	0.312	52	0.19	0.06	5.81	0.44	5:52	335	996	717	649	0.47	1.11							1250	Unknown		
51296	CLUSTER	YES	138505.2		19.83	19.97	39.8	38010	Valve	37007.09	Valve	2890.09	36	0.312	52	0.22	0.07	13.70	0.97	0.242361	335	927	668	649	0.50	1.06							1250	Unknown		
51301	MELO-CORR	YES	138507.3		21.96	17.84	39.8	38010	Valve	37009.22	Valve	2887.96	36	0.312	52	0.21	0.07	3.50	0.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
51381	CLUSTER	YES	138526.8		1.67	35.56	37.22	38020	Valve	37028.73	Valve	2868.45	36	0.312	52	0.22	0.07	30.07	3.24	5:49	335	902	650	649	0.52	1.03							1250	Unknown		
51397	CLUSTER	YES	138530.5		5.33	31.9	37.22	38020	Valve	37032.39	Valve	2864.79	36	0.312	52	0.22	0.07	3.86	0.57	5:51	335	1014	730	649	0.46	1.14							1250	Unknown		
51400	CLUSTER	YES	138531.6		6.48	30.75	37.22	38020	Valve	37033.54	Valve	2863.64	36	0.312	52	0.18	0.06	13.52	2.92	0.244444	335	956	688	649	0.49	1.09							1250	Unknown		
51409	CLUSTER	YES	138532.9		7.78	29.45	37.22	38020	Valve	37034.84	Valve	2862.34	36	0.312	52	0.16	0.05	3.64	1.86	0.245139	335	1036	746	649	0.45	1.15							1250	Unknown		
51413	CLUSTER	YES	138533.4		8.28	28.95	37.22	38020	Valve	37035.34	Valve	2861.84	36	0.312	52	0.15	0.05	17.59	2.64	0.246528	335	969	698	649	0.48	1.09							1250	Unknown		
51420	MELO-CORR	YES	138534.3		9.18	28.05	37.22	38020	Valve	37036.24	Valve	2860.94	36	0.312	52	0.17	0.05	3.82	0.43	5:50	335	1030	742	649	0.45	1.14							1598	Metal Loss		
51423	MELO-CORR	YES	138539.7		14.57	22.66	37.22	38020	Valve	37041.63	Valve	2855.55	36	0.312	52	0.15	0.05	1.02	0.39	5:53	335	1070	771	649	0.43	1.19							1598	Metal Loss		
51425	CLUSTER	YES	138540.6		15.42	21.81	37.22	38020	Valve	37042.48	Valve	2854.7	36	0.312	52	0.19	0.06	9.08	2.23	0.24375	335	968	697	649	0.48	1.09							1250	Unknown		
51432	CLUSTER	YES	138542.3		17.12	20.11	37.22	38020	Valve	37044.18	Valve	2853	36	0.312	52	0.2	0.06	7.39	0.63	0.242361	335	975	702	649	0.48	1.10							1250	Unknown		
51438	CLUSTER	YES	138544.2		19.09	18.14	37.22	38020	Valve	37046.15	Valve	2851.03	36	0.312	52	0.29	0.09	7.52	2.89	0.244444	335	922	664	649	0.50	1.06							1250	Unknown		
51443	GirthWeld		138562.4		37.23	38.82	38.82	38030	Valve	37064.29	Valve	2832.89	36	0.312	52					10:56	335			649									1250	Unknown		
51444	MELO-CORR	YES	138572.2		9.83	28.98	38.82	38030	Valve	37074.12	Valve	2823.06	36	0.312	52	0.16	0.05	1.22	0.20	6:18	335	1068	769	649	0.44	1.19							1598	Metal Loss		
51445	GirthWeld		138601.2		38.82	29.33	29.33	38040	Valve	37103.11	Valve	2794.07	36	0.312	52					0.5125	335			649									1250	Unknown		
51446	GirthWeld		138630.5		29.33	39.7	39.7	38050	Valve	37132.44	Valve	2764.74	36	0.312	52					0.1	335			649									1250	Unknown		
51447	GirthWeld		138670.2		39.7	39.9	39.91	38060	Valve	37172.14	Valve	2725.04	36	0.312	52					0.395833	335			649									1250	Unknown		
51448	GirthWeld		138710.1		39.9	39.84	39.83	38070	Valve	37212.04	Valve	2685.14	36	0.312	52					10:56	335			649									1250	Unknown		
51449	MELO-CORR	YES	138728		17.86	21.97	39.83	38070	Valve	37229.9	Valve	2667.28	36	0.312	52	0.15	0.05	1.10	0.16	5:50	335	1070	770	649	0.43	1.19							1598	Metal Loss		
51450	GirthWeld		138750		39.84	39.77	39.77	38080	Valve	37251.88	Valve	2645.3	36	0.312	52					0.104167	335			649									1250	Unknown		
51451	GirthWeld		138789.7		39.77	39.19	39.19	38090	Valve	37291.65	Valve	2605.53	36	0.312	52					0.069444	335			649									1250	Unknown		
51452	GirthWeld		138828.9		39.19	39.86	39.86	38100	Valve	37330.84	Valve	2566.34	36	0.312	52					0.395833	335			649									1250	Unknown		
51453	GirthWeld		138868.8		39.86	38.39	38.39	38110	Valve	37370.7	Valve	2526.48	36	0.312	52					11:24	335			649									1250	Unknown		
51454	GirthWeld		138907.2		38.39	39.83	39.83	38120	Valve	37409.09	Valve	2488.09	36	0.312	52					2:56	335			649									1250	Unknown		
51455	GirthWeld		138947		39.83	39.66	39.66	38130	Valve	37448.92	Valve	2448.26	36	0.312	52					0.059722	335			649									1250	Unknown		
51456	GirthWeld		138986.7		39.66	39.79	39.79	38140	Valve	37488.58	Valve	2408.6	36	0.312	52					0.438889	335			649									1250	Unknown		
51457	GirthWeld		139026.5		39.79	37.66	37.66	38150	Valve	37528.37	Valve	2368.81	36	0.312	52					0.406944	335			649									1250	Unknown		
51459	CLUSTER	YES	139044.6		18.11	19.55	37.66	38150	Valve	37546.48	Valve	2350.7	36	0.312	52	0.16	0.05	6.10	0.91	5:51	335	1007	725	649	0.46	1.12							1250	Unknown		
51463	CLUSTER	YES	139045.4		18.98	18.68	37.66	38150	Valve	37547.35	Valve	2349.83	36	0.312	52	0.23	0.07	5.98	0.63	6:11	335	975	702	649	0.48	1.10							1250	Unknown		
51467	MELO-CORR	YES	139046.2		19.78	17.88	37.66	38150	Valve	37548.15	Valve	2349.03	36	0.312	52	0.18	0.06	1.18	0.16	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
51469	CLUSTER	YES	139046.8		20.32	17.34	37.66	38150	Valve	37548.68	Valve	2348.49	36	0.312	52	0.25	0.08	6.17	0.88	0.242361	335	963	693	649	0.48	1.09							1250	Unknown		
51474	CLUSTER	YES	139055.2		28.71	8.95	37.66	38150	Valve	37557.08	Valve	2340.1	36	0.312	52	0.19	0.06	5.47	1.07	0.261111	335	1000	720	649	0.47	1.12							1250	Unknown		
51479	CLUSTER	YES	139056.3		29.79	7.87	37.66	38150	Valve	37558.16	Valve	2339.02	36	0.312	52	0.16	0.05	8.99	1.38	6:14	335	987	710	649	0.47	1.11							1250	Unknown		
51484	CLUSTER	YES	139057.2		30.76	6.9	37.66	38150	Valve	37559.13	Valve	2338.05	36	0.312	52	0.16	0.05	9.05	1.04	6:15	335	986	710	649	0.47	1.11							1250	Unknown		
51488	MELO-CORR	YES	139061.5		35.07	2.59	37.66	38150	Valve	37563.43	Valve	2333.74	36	0.312	52	0.15	0.05	1.10	0.16	0.24375	335	1070	770	649	0.43	1.19							1598	Metal Loss		
51490	CLUSTER	YES	139062.9		36.43	1.23	37.66	38150	Valve	37564.8	Valve	2332.38	36	0.312	52	0.16	0.05	6.43	1.48	0.258333	335	1004	723	649	0.46	1.12							1250	Unknown		
51494	GirthWeld		139064.1		37.66	40.03	40.03	38160	Valve	37566.03	Valve	2331.15	36	0.312	52					0.086111	335			649									1250	Unknown		
51496	CLUSTER	YES	139066.9		2.79	37.25	40.03	38160	Valve	37568.82	Valve	2328.36	36	0.312	52	0.2	0.06	3.62	0.60	6:17	335	1024	738	649	0.45	1.15							1250	Unknown		
51500	CLUSTER	YES	139096.4		32.27	7.76	40.03	38160	Valve	37598.3	Valve	2298.88	36	0.312	52	0.16	0.05	8.88	0.91	6:09	335	987	711	649	0.47	1.10							1250	Unknown		
51505	CLUSTER	YES	139100.7		36.55	3.48	40.03	38160	Valve	37602.58	Valve	2294.6	36	0.312	52	0.17	0.05	6.17	0.54	0.239583	335	1002	721	649	0.46	1.12							1250	Unknown		
51508	MELO-CORR	YES	139101.9		37.82	2.21	40.03	38160	Valve	37603.85	Valve	2293.33	36	0.312	52	0.16	0.05	1.06	0.16	0.240278	335	1070	770	649	0.44	1.19							1598	Metal Loss		
51509	GirthWeld		139104.2		40.03	39.86	39.86	38170	Valve	37606.06	Valve	2291.12	36	0.312	52					0.151389	335			649									1250	Unknown		
51510	GirthWeld		139144		39.86	39.75	39.75	38180	Valve	37645.92	Valve	2251.26	36	0.312	52					10:22	335			649									1250	Unknown		
51511	GirthWeld		139183.8		39.75	7.85	7.85	38190	Valve	37685.67	Valve	2211.51	36	0.312	52					12:08	335			649									1250	Unknown		
51512	GirthWeld		139191.6		7.85	18.84	18.84	38200	Valve	37693.52	Valve	2203.66	36	0.312	52					0.536111	335			649									1250	Unknown		
51513	GirthWeld		139210.5		18.84	39.85	39.85	38210	Valve	37712.36	Valve	2184.82	36	0.312	52					0.097222	335			649									1250	Unknown		
51514	GirthWeld		139250.3		39.84	30.61	30.61	38220	Valve	37752.2	Valve	2144.98	36	0.312	52					0.063889	335			649									1250	Unknown		
51515	GirthWeld		139280.9		30.61	9.38	9.39	38230	Valve	37782.81	Valve	2114.37	36	0.312	52					12:12	335			649									1250	Unknown		
51516	GirthWeld		139290.3		9.38	39.77	39.77	38240	Valve	37792.19	Valve	2104.99	36	0.312	52					10:58	335			649									1250	Unknown		
51517	GirthWeld		139330.1		39.77	39.84	39.84	38250	Valve	37831.96	Valve	2065.22	36	0.312	52					0.490278	335			649									1250	Unknown		
51519	CLUSTER	YES	139352.5		22.48	17.37	39.84	38250	Valve	37854.43	Valve	2042.74	36	0.312	52	0.16	0.05	10.60	1.67	0.254861	335	979	705	649	0.48	1.09							1250	Unknown		
51526	CLUSTER	YES	139357.7		27.61	12.23	39.84	38250	Valve	37859.57	Valve	2037.61	36	0.312	52	0.24	0.08	1.27	1.07	0.260417	335	1063	766	649	0.44	1.18							1250	Unknown		
51529	CLUSTER	YES	139360.8		30.77	9.07	39.84	38250	Valve	37862.73	Valve	2034.45	36	0.312	52	0.16	0.05	2.51	0.66	5:42	335	1051	757	649	0.44	1.17							1250	Unknown		
51531	GirthWeld		139369.9		39.84	39.55	39.54	38260	Valve	37871.8	Valve	2025.38	36	0.312	52					1:23	335			649									1250	Unknown		
51533	CLUSTER	YES	139370		0.13	39.42	39.54	38260	Valve	37871.93	Valve	2025.25	36	0.312	52	0.25	0.08	14.40	2.58	0.244444	335	903	650	649	0.52	1.08							1250	Unknown		
51540	MELO-CORR	YES	139373.7		3.78	35.77	39.54	38260	Valve	37875.58	Valve	2021.6	36	0.312	52	0.17	0.05	1.10	0.55	0.242361	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51541	MELO-CORR	YES	139374.5		4.65	34.9	39.54	38260	Valve	37876.45	Valve	2020.73	36	0.312	52	0.19	0.06	1.22	0.16	0.24375	335	1067	768	649	0.44	1.18							1598	Metal Loss		
51543	CLUSTER	YES	139376.3		6.44	33.11	39.54	38260	Valve	37878.24	Valve	2018.94	36	0.312	52	0.25	0.08	9.85	1.35	5:44	335	926	666	649	0.50	1.09							1250	Unknown		
51549	MELO-CORR	YES	139377.2		7.32	32.23	39.54	38260	Valve	37879.12	Valve	2018.06	36	0.312	52	0.27	0.08	1.14	0.59	6:10	335	1064	766	649	0.44	1.18							1598	Metal Loss		
51551	CLUSTER	YES	139378.2		8.27	31.28	39.54	38260	Valve	37880.07	Valve	2017.11	36	0.312	52	0.21	0.07	2.98	1.38	0.24375	335	1034	744	649	0.45	1.16							1250	Unknown		
51554	CLUSTER	YES	139382.6		12.72	26.82	39.54	38260	Valve	37884.52	Valve	2012.65	36	0.312	52	0.19	0.06	1.81	0.54	0.240972	335	1058	762	649	0.44	1.18							1250	Unknown		
51557	CLUSTER	YES	139382.9		13.02	26.52	39.54	38260	Valve	37884.82	Valve	2012.36	36	0.312	52	0.16	0.05	6.61	0.47	0.25625	335	1003	722	649	0.46	1.13							1250	Unknown		
51559	MELO-CORR	YES	139383.4		13.49	26.05	39.54	38260	Valve	37885.29	Valve	2011.89	36	0.312	52	0.16	0.05	1.22	0.51	5:48	335	1068	769	649	0.44	1.19							1598	Metal Loss		
51560	MELO-CORR	YES	139389.2		19.33	20.22	39.54	38260	Valve	37891.13	Valve	2006.05	36	0.312	52	0.18	0.06	3.11	0.20	5:53	335	1038	748	649	0.45	1.15							1598	Metal Loss		
51562	CLUSTER	YES	139390		20.05	19.49	39.54	38260	Valve	37891.86	Valve	2005.32	36	0.312	52	0.23	0.07	3.00	0.57	0.24375	335	1029	741	649	0.45	1.14							1250	Unknown		
51564	MELO-CORR	YES	139390.6		20.75	18.8	39.54	38260	Valve	37892.55	Valve	2004.63	36	0.312	52	0.16	0.05	1.14	0.43	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51566	CLUSTER	YES	139391.1		21.2	18.35	39.54	38260	Valve	37893	Valve	2004.18	36	0.312	52	0.15	0.05	12.79	3.24	0.245139	335	978	704	649	0.48	1.09							1250	Unknown		
51574	CLUSTER	YES	139395.5		25.58	13.96	39.54	38260	Valve	37897.38	Valve	1999.8	36	0.312	52	0.21	0.07	17.48	3.21	5:52	335	925	666	649	0.50	1.08							1250	Unknown		
51581	MELO-CORR	YES	139396.7		26.84	12.71	39.54	38260	Valve	37898.64	Valve	1998.54	36	0.312	52	0.17	0.05	1.10	0.39	5:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51583	CLUSTER	YES	139404		34.13	5.42	39.54	38260	Valve	37905.93	Valve	1991.25	36	0.312	52	0.16	0.05	2.41	1.16	0.259722	335	1053	758	649	0.44	1.17							1250	Unknown		
51586	GirthWeld		139409.4		39.55	39.35	39.36	38270	Valve	37911.35	Valve	1985.83	36	0.312	52					0.523611	335			649									1250	Unknown		
51587	GirthWeld		139448.8		39.35	38.98	38.98	38280	Valve	37950.7	Valve	1946.48	36	0.312	52					0.436111	335			649									1250	Unknown		
51588	GirthWeld		139487.8		38.98	39.83	39.83	38290	Valve	37989.68	Valve	1907.5	36	0.312	52					11:44	335			649									1250	Unknown		
51589	GirthWeld		139527.6		39.83	39.83	39.84	38300	Valve	38029.51	Valve	1867.67	36	0.312	52					12:44	335			649									1250	Unknown		
51590	GirthWeld		139567.4		39.83	39.81	39.81	38310	Valve	38069.34	Valve	1827.84	36	0.312	52					0.084722	335			649									1250	Unknown		
51591	GirthWeld		139607.2		39.81	39.74	39.74	38320	Valve	38109.15	Valve	1788.03	36	0.312	52					0.448611	335			649									1250	Unknown		
51592	GirthWeld		139647		39.74	39.82	39.82	38330	Valve	38148.89	Valve	1748.29	36	0.312	52					0.493056	335			649									1250	Unknown		
51593	GirthWeld		139686.8		39.82	39.81	39.81	38340	Valve	38188.71	Valve	1708.47	36	0.312	52					1:56	335			649									1250	Unknown		
51594	GirthWeld		139726.6		39.81	39.8	39.8	38350	Valve	38228.52	Valve	1668.66	36	0.312	52					12:56	335			649									1250	Unknown		
51595	GirthWeld		139766.4		39.8	39.82	39.82	38360	Valve	38268.32	Valve	1628.86	36	0.312	52					0.418056	335			649									1250	Unknown		
51596	GirthWeld		139806.2		39.82	39.79	39.8	38370	Valve	38308.14	Valve	1589.04	36	0.312	52					0.488889	335			649									1250	Unknown		
51597	GirthWeld		139846		39.79	39.15	39.15	38380	Valve	38347.93	Valve	1549.24	36	0.312	52					0.043056	335			649									1250	Unknown		
51598	GirthWeld		139885.2		39.16	39.71	39.72	38390	Valve	38387.09	Valve	1510.09	36	0.312	52					2:00	335			649									1250	Unknown		
51599	MELO-CORR	YES	139914		28.79	10.92	39.72	38390	Valve	38415.88	Valve	1481.3	36	0.312	52	0.19	0.06	1.02	0.39	5:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51601	CLUSTER	YES	139917		31.83	7.88	39.72	38390	Valve	38418.92	Valve	1478.26	36	0.312	52	0.17	0.05	4.84	0.28	0.243056	335	1016	732	649	0.46	1.14							1250	Unknown		
51603	GirthWeld		139924.9		39.71	39.84	39.84	38400	Valve	38426.8	Valve	1470.38	36	0.312	52					0.429167	335			649									1250	Unknown		
51604	GirthWeld		139964.7		39.84	39.8	39.8	38410	Valve	38466.64	Valve	1430.54	36	0.312	52					0.475	335			649									1250	Unknown		
51605	MELO-CORR	YES	139973.1		8.32	31.48	39.8	38410	Valve	38474.96	Valve	1422.22	36	0.312	52	0.16	0.05	1.10	0.16	6:17	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51607	CLUSTER	YES	139978.3		13.52	26.28	39.8	38410	Valve	38480.16	Valve	1417.02	36	0.312	52	0.16	0.05	16.91	2.11	6:12	335	963	693	649	0.48	1.08							1250	Unknown		
51618	CLUSTER	YES	139991.3		26.53	13.27	39.8	38410	Valve	38493.17	Valve	1404.01	36	0.312	52	0.32	0.10	6.41	1.20	0.259028	335	921	663	649	0.51	1.11							1250	Unknown		
51623	CLUSTER	YES	139994.3		29.57	10.23	39.8	38410	Valve	38496.21	Valve	1400.97	36	0.312	52	0.17	0.05	12.92	1.60	0.258333	335	964	694	649	0.48	1.08							1250	Unknown		
51629	GirthWeld		140004.5		39.8	37.38	37.38	38420	Valve	38506.44	Valve	1390.74	36	0.312	52					0.063194	335			649									1250	Unknown		
51631	CLUSTER	YES	140036.9		32.36	5.01	37.38	38420	Valve	38538.8	Valve	1358.38	36	0.312	52	0.15	0.05	15.62	0.97	6:25	335	972	700	649	0.48	1.08							1250	Unknown		
51638	CLUSTER	YES	140041		36.43	0.94	37.38	38420	Valve	38542.87	Valve	1354.31	36	0.312	52	0.21	0.07	7.07	0.85	6:27	335	973	700	649	0.48	1.11							1250	Unknown		
51642	GirthWeld		140041.9		37.38	39.85	39.85	38430	Valve	38543.82	Valve	1353.36	36	0.312	52					0.111111	335			649									1250	Unknown		
51643	MELO-CORR	YES	140046.2		4.3	35.54	39.85	38430	Valve	38548.12	Valve	1349.06	36	0.312	52	0.26	0.08	1.10	0.20	0.239583	335	1065	767	649	0.44	1.18							1598	Metal Loss		
51645	CLUSTER	YES	140049.6		7.64	32.2	39.85	38430	Valve	38551.46	Valve	1345.72	36	0.312	52	0.2	0.06	16.61	4.34	0.249306	335	934	672	649	0.50	1.08							1250	Unknown		
51657	CLUSTER	YES	140051.9		9.95	29.89	39.85	38430	Valve	38553.77	Valve	1343.41	36	0.312	52	0.15	0.05	3.59	0.28	6:19	335	1039	748	649	0.45	1.16							1250	Unknown		
51660	CLUSTER	YES	140059.1		17.17	22.67	39.85	38430	Valve	38560.99	Valve	1336.19	36	0.312	52	0.17	0.05	8.57	2.45	6:32	335	983	708	649	0.47	1.10							1250	Unknown		
51667	CLUSTER	YES	140060.9		18.94	20.9	39.85	38430	Valve	38562.76	Valve	1334.42	36	0.312	52	0.15	0.05	5.59	0.57	0.280556	335	1016	732	649	0.46	1.13							1250	Unknown		
51670	CLUSTER	YES	140064.7		22.82	17.02	39.85	38430	Valve	38566.64	Valve	1330.54	36	0.312	52	0.15	0.05	5.77	0.63	0.2125	335	1014	730	649	0.46	1.12							1250	Unknown		
51674	CLUSTER	YES	140069		27.05	12.79	39.85	38430	Valve	38570.87	Valve	1326.31	36	0.312	52	0.19	0.06	14.83	1.89	0.277083	335	945	681	649	0.49	1.09							1250	Unknown		
51683	CLUSTER	YES	140070.7		28.75	11.09	39.85	38430	Valve	38572.57	Valve	1324.61	36	0.312	52	0.18	0.06	13.68	2.20	6:36	335	955	688	649	0.49	1.09							1250	Unknown		
51691	CLUSTER	YES	140074.1		32.23	7.61	39.85	38430	Valve	38576.05	Valve	1321.13	36	0.312	52	0.17	0.05	4.07	1.10	5:15	335	1027	739	649	0.45	1.14							1250	Unknown		
51693	GirthWeld		140081.8		39.84	39.7	39.7	38440	Valve	38583.66	Valve	1313.52	36	0.312	52					0.4125	335			649									1250	Unknown		
51694	MELO-CORR	YES	140092.3		10.58	29.11	39.7	38440	Valve	38594.24	Valve	1302.94	36	0.312	52	0.15	0.05	1.14	0.16	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51695	GirthWeld		140121.5		39.7	39.79	39.79	38450	Valve	38623.36	Valve	1273.82	36	0.312	52					0.455556	335			649									1250	Unknown		
51696	GirthWeld		140161.2		39.78	39.7	39.7	38460	Valve	38663.14

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
51713	GirthWeld		140547.6		39.81	36.2	36.2	38580	Valve	39049.49	Valve	847.69	36	0.312	52					10:03	335			649									1250	Unknown		
51714	GirthWeld		140583.8		36.2	39.77	39.77	38590	Valve	39085.69	Valve	811.49	36	0.312	52					11:05	335			649									1250	Unknown		
51716	CLUSTER	YES	140615.4		31.66	8.11	39.77	38590	Valve	39117.35	Valve	779.83	36	0.312	52	0.19	0.06	19.12	5.56	0.238194	335	937	675	649	0.50	1.09							1250	Unknown		
51733	MELO-CORR	YES	140617.9		34.14	5.64	39.77	38590	Valve	39119.83	Valve	777.35	36	0.312	52	0.15	0.05	1.18	0.20	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51734	MELO-CORR	YES	140621.6		37.8	1.97	39.77	38590	Valve	39123.49	Valve	773.69	36	0.312	52	0.15	0.05	1.10	0.16	0.247917	335	1070	770	649	0.43	1.19							1598	Metal Loss		
51735	GirthWeld		140623.6		39.77	39.37	39.37	38600	Valve	39125.46	Valve	771.72	36	0.312	52					1:57	335			649									1250	Unknown		
51737	CLUSTER	YES	140623.6		0.07	39.3	39.37	38600	Valve	39125.53	Valve	771.65	36	0.312	52	0.18	0.06	4.78	1.10	5:59	335	1014	730	649	0.46	1.13							1250	Unknown		
51740	CLUSTER	YES	140625		1.48	37.89	39.37	38600	Valve	39126.94	Valve	770.24	36	0.312	52	0.15	0.05	5.27	0.50	0.244444	335	1019	734	649	0.46	1.13							1250	Unknown		
51742	MELO-CORR	YES	140626		2.43	36.94	39.37	38600	Valve	39127.89	Valve	769.29	36	0.312	52	0.16	0.05	1.14	0.20	0.247222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51743	MELO-CORR	YES	140627.8		4.28	35.1	39.37	38600	Valve	39129.74	Valve	767.44	36	0.312	52	0.15	0.05	1.22	0.20	0.198611	335	1069	769	649	0.44	1.19							1598	Metal Loss		
51745	CLUSTER	YES	140628.2		4.6	34.77	39.37	38600	Valve	39130.06	Valve	767.12	36	0.312	52	0.23	0.07	4.30	2.83	5:52	335	1003	722	649	0.46	1.13							1250	Unknown		
51750	CLUSTER	YES	140628.7		5.13	34.24	39.37	38600	Valve	39130.59	Valve	766.59	36	0.312	52	0.29	0.09	8.34	0.88	5:54	335	913	657	649	0.51	1.07							1250	Unknown		
51755	CLUSTER	YES	140629.7		6.11	33.26	39.37	38600	Valve	39131.57	Valve	765.61	36	0.312	52	0.17	0.05	4.60	1.82	0.247222	335	1019	734	649	0.46	1.14							1250	Unknown		
51757	MELO-CORR	YES	140632.6		9.09	30.29	39.37	38600	Valve	39134.55	Valve	762.63	36	0.312	52	0.16	0.05	1.22	0.20	0.194444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
51759	CLUSTER	YES	140632.8		9.23	30.14	39.37	38600	Valve	39134.69	Valve	762.49	36	0.312	52	0.16	0.05	10.14	2.23	0.246528	335	981	706	649	0.47	1.09							1250	Unknown		
51764	MELO-CORR	YES	140633.8		10.23	29.15	39.37	38600	Valve	39135.68	Valve	761.49	36	0.312	52	0.15	0.05	0.87	0.16	5:59	335	1072	772	649	0.43	1.19							1598	Metal Loss		
51765	MELO-CORR	YES	140634.3		10.77	28.6	39.37	38600	Valve	39136.23	Valve	760.95	36	0.312	52	0.23	0.07	1.14	0.16	6:02	335	1066	767	649	0.44	1.18							1598	Metal Loss		
51767	CLUSTER	YES	140634.5		10.96	28.42	39.37	38600	Valve	39136.42	Valve	760.76	36	0.312	52	0.22	0.07	15.38	4.96	0.244444	335	922	664	649	0.50	1.06							1250	Unknown		
51777	CLUSTER	YES	140636.9		13.37	26.01	39.37	38600	Valve	39138.83	Valve	758.35	36	0.312	52	0.18	0.06	12.86	2.52	0.245833	335	958	690	649	0.49	1.08							1250	Unknown		
51786	CLUSTER	YES	140637.6		14.04	25.33	39.37	38600	Valve	39139.5	Valve	757.68	36	0.312	52	0.15	0.05	2.78	1.13	0.193056	335	1049	756	649	0.44	1.17							1250	Unknown		
51789	CLUSTER	YES	140638.6		15.01	24.36	39.37	38600	Valve	39140.47	Valve	756.71	36	0.312	52	0.19	0.06	12.05	1.57	5:55	335	954	687	649	0.49	1.07							1250	Unknown		
51798	CLUSTER	YES	140639.8		16.21	23.16	39.37	38600	Valve	39141.67	Valve	755.51	36	0.312	52	0.21	0.07	16.40	2.33	5:55	335	927	667	649	0.50	1.07							1250	Unknown		
51809	CLUSTER	YES	140641.5		17.9	21.47	39.37	38600	Valve	39143.36	Valve	753.82	36	0.312	52	0.24	0.08	5.50	1.89	0.245833	335	977	704	649	0.48	1.11							1250	Unknown		
51812	MELO-CORR	YES	140642.5		18.93	20.44	39.37	38600	Valve	39144.39	Valve	752.79	36	0.312	52	0.18	0.06	1.22	0.20	0.247222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
51814	CLUSTER	YES	140643.2		19.61	19.77	39.37	38600	Valve	39145.07	Valve	752.11	36	0.312	52	0.24	0.08	2.45	0.28	0.247222	335	1039	748	649	0.45	1.16							1250	Unknown		
51816	MELO-CORR	YES	140643.7		20.14	19.24	39.37	38600	Valve	39145.6	Valve	751.58	36	0.312	52	0.2	0.06	4.09	0.67	5:57	335	1016	732	649	0.46	1.13							1598	Metal Loss		
51817	MELO-CORR	YES	140646.7		23.12	16.26	39.37	38600	Valve	39148.58	Valve	748.6	36	0.312	52	0.17	0.05	3.42	0.63	5:57	335	1036	746	649	0.45	1.15							1598	Metal Loss		
51819	CLUSTER	YES	140647.6		24.01	15.36	39.37	38600	Valve	39149.47	Valve	747.71	36	0.312	52	0.21	0.07	6.71	1.86	0.247222	335	977	703	649	0.48	1.11							1250	Unknown		
51825	CLUSTER	YES	140648.4		24.88	14.5	39.37	38600	Valve	39150.33	Valve	746.85	36	0.312	52	0.22	0.07	14.65	1.82	0.244444	335	924	665	649	0.50	1.05							1250	Unknown		
51830	CLUSTER	YES	140649.9		26.31	13.06	39.37	38600	Valve	39151.77	Valve	745.41	36	0.312	52	0.18	0.06	6.88	0.63	0.249306	335	990	713	649	0.47	1.10							1250	Unknown		
51833	MELO-CORR	YES	140651		27.49	11.88	39.37	38600	Valve	39152.95	Valve	744.23	36	0.312	52	0.22	0.07	1.22	0.16	5:58	335	1065	767	649	0.44	1.18							1598	Metal Loss		
51835	CLUSTER	YES	140651.6		28.02	11.35	39.37	38600	Valve	39153.48	Valve	743.7	36	0.312	52	0.16	0.05	3.96	0.60	5:56	335	1031	742	649	0.45	1.14							1250	Unknown		
51838	CLUSTER	YES	140658		34.42	4.95	39.37	38600	Valve	39159.88	Valve	737.3	36	0.312	52	0.21	0.07	1.49	1.70	0.246528	335	1062	764	649	0.44	1.18							1250	Unknown		
51841	CLUSTER	YES	140658.3		34.76	4.61	39.37	38600	Valve	39160.22	Valve	736.96	36	0.312	52	0.18	0.06	15.22	1.86	0.245139	335	951	685	649	0.49	1.08							1250	Unknown		
51850	CLUSTER	YES	140659.7		36.14	3.24	39.37	38600	Valve	39161.6	Valve	735.58	36	0.312	52	0.16	0.05	9.60	2.36	0.245833	335	983	708	649	0.47	1.09							1250	Unknown		
51854	GirthWeld		140662.9		39.37	21.82	21.81	38610	Valve	39164.83	Valve	732.35	36	0.312	52					12:59	335			649									1250	Unknown		
51856	CLUSTER	YES	140663		0.09	21.73	21.81	38610	Valve	39164.92	Valve	732.26	36	0.312	52	0.16	0.05	3.97	0.82	5:45	335	1031	742	649	0.45	1.15							1250	Unknown		
51859	CLUSTER	YES	140664.2		1.29	20.52	21.81	38610	Valve	39166.12	Valve	731.06	36	0.312	52	0.2	0.06	1.78	1.07	0.261806	335	1058	762	649	0.44	1.17							1250	Unknown		
51861	MELO-CORR	YES	140664.4		1.51	20.3	21.81	38610	Valve	39166.34	Valve	730.84	36	0.312	52	0.22	0.07	1.14	0.20	0.244444	335	1066	768	649	0.44	1.18							1598	Metal Loss		
51863	CLUSTER	YES	140665.5		2.54	19.28	21.81	38610	Valve	39167.37	Valve	729.81	36	0.312	52	0.19	0.06	6.29	0.66	0.238194	335	991	714	649	0.47	1.12							1250	Unknown		
51866	CLUSTER	YES	140666.6		3.68	18.13	21.81	38610	Valve	39168.51	Valve	728.67	36	0.312	52	0.24	0.08	1.18	0.97	6:13	335	1065	767	649	0.44	1.18							1250	Unknown		
51869	CLUSTER	YES	140671.6		8.67	13.15	21.81	38610	Valve	39173.5	Valve	723.68	36	0.312	52	0.22	0.07	12.02	4.27	5:52	335	934	672	649	0.50	1.07							1250	Unknown		
51878	MELO-CORR	YES	140674.5		11.58	10.23	21.81	38610	Valve	39176.41	Valve	720.77	36	0.312	52	0.21	0.07	1.22	0.43	0.250694	335	1066	767	649	0.44	1.18							1598	Metal Loss		
51880	CLUSTER	YES	140676.9		13.97	7.85	21.81	38610	Valve	39178.8	Valve	718.38	36	0.312	52	0.2	0.06	14.95	4.05	0.245139	335	938	675	649	0.50	1.08							1250	Unknown		
51887	MELO-CORR	YES	140679		16.1	5.72	21.81	38610	Valve	39180.93	Valve	716.25	36	0.312	52	0.23	0.07	1.50	0.55	0.234028	335	1060	763	649	0.44	1.18							1598	Metal Loss		
51889	CLUSTER	YES	140679.5		16.54	5.27	21.81	38610	Valve	39181.37	Valve	715.81	36	0.312	52	0.29	0.09	5.48	1.23	6:05	335	954	687	649	0.49	1.10							1250	Unknown		
51893	CLUSTER	YES	140680.4		17.52	4.3	21.81	38610	Valve	39182.35	Valve	714.83	36	0.312	52	0.15	0.05	6.72	2.83	5:54	335	1007	725	649	0.46	1.13							1250	Unknown		
51900	CLUSTER	YES	140681.1		18.19	3.63	21.81	38610	Valve	39183.02	Valve	714.16	36	0.312	52	0.26	0.08	7.55	1.73	0.244444	335	940	677	649	0.50	1.11							1250	Unknown		
51904	MELO-CORR	YES	140681.9		18.97	2.85	21.81	38610	Valve	39183.8	Valve	713.38	36	0.312	52	0.19	0.06	0.94	0.20	0.257639	335	1070	770	649	0.43	1.19							1598	Metal Loss		
51906	CLUSTER	YES	140682.2		19.24	2.58	21.81	38610	Valve	39184.07	Valve	713.11	36	0.312	52	0.15	0.05	1.91	1.04	0.244444	335	1061	764	649	0.44	1.18							1250	Unknown		
51908	MIFE	n/a	140684.2		21.31	0.51	21.81	38610	Valve	39186.14	Valve	711.04	36	0.312	52					10:02	335			649									2167	Mill Anomaly		
51909	GirthWeld		140684.7		21.82	31.59	31.6	38620	Valve	39186.65	Valve	710.53	36	0.312	52					12:12	335			649									1250	Unknown		
51910	GirthWeld		140716.3		31.59	39.72	39.72	38630	Valve	39218.24	Valve	678.94	36	0.312	52					0.456944	335			649									1250	Unknown		
51911	GirthWeld		140756.1		39.73	39.74	39.74	38640	Valve	39257.96	Valve	639.21	36	0.312	52					0.516667	335			649									1250	Unknown		
51912	GirthWeld		140795.8		39.75	36.42	36.42	38650	Valve	39297.71	Valve	599.47	36	0.312	52					0.051389	335			649									1250	Unknown		
51913	GirthWeld		140832.2		36.42	39.51	39.52	38660	Valve	39334.13	Valve	563.05	36	0.312	52					10:25	335			649									1250	Unknown		
51914	MELO-CORR	YES	140843.7		11.48	28.03	39.52	38660	Valve	39345.61	Valve	551.57	36	0.312	52	0.19	0.06	1.14	0.39	6:05	335	1067	769	649	0.44	1.18							1598	Metal Loss		
51915	GirthWeld		140871.7		39.51	39.76	39.75	38670	Valve	39373.64	Valve	523.54	36	0.312	52					0.473611	335			649									1250	Unknown		
51916	GirthWeld		140911.5		39.76	39.84	39.84	38680	Valve	39413.4	Valve	483.78	36	0.312	52					0.095833	335			649									1250	Unknown		
51917	GirthWeld		140951.3		39.84	39.92	39.92	38690	Valve	39453.24	Valve	443.94	36	0.312	52					0.064583	335			649									1250	Unknown		
51918	MELO-CORR	YES	140957.7		6.35	33.57	39.92	38690	Valve	39459.59	Valve	437.59	36	0.312	52	0.18	0.06	1.18	0.20	5:42	335	1068	769	649	0.44	1.18							1598	Metal Loss		
51919	MELO-CORR	YES	140962.8		11.47	28.45	39.92	38690	Valve	39464.71	Valve	432.47	36	0.312	52	0.16	0.05	1.18	0.24	5:29	335	1068	769	649	0.44	1.19							1598	Metal Loss		
51921	CLUSTER	YES	140966.3		14.93	24.99	39.92	38690	Valve	39468.17	Valve	429.01	36	0.312	52	0.16	0.05	10.92	2.67	0.245139	335	978	704	649	0.48	1.10							1250	Unknown		
51925	MELO-CORR	YES	140968.1		16.76	23.16	39.92	38690	Valve	39470	Valve	427.18	36	0.312	52	0.15	0.05	0.94	0.51	0.228472	335	1071	771	649	0.43	1.19							1598	Metal Loss		
51927	CLUSTER	YES	140974.4		23.06	16.86	39.92	38690	Valve	39476.3	Valve	420.88	36	0.312	52	0.17	0.05	11.77	1.89	0.270833	335	968	697	649	0.48	1.08							1250	Unknown		
51934	MELO-CORR	YES	140981.7		30.41	9.51	39.92	38690	Valve	39483.65	Valve	413.53	36	0.312	52	0.16	0.05	1.10	0.67	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51935	MELO-CORR	YES	140988.8		37.42	2.49	39.92	38690	Valve	39490.66	Valve	406.52	36	0.312	52	0.15	0.05	1.14	0.16	5:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
51936	GirthWeld		140991.3		39.92	37.32	37.32	38700	Valve	39493.16	Valve	404.02	36	0.312	52					0.372222	335			649									1250	Unknown		
51937	MELO-CORR	YES	140998.6		7.36	29.96	37.32	38700	Valve	39500.52	Valve	396.66	36	0.312	52	0.16	0.05	1.18	0.20	0.276389	335	1069	769	649	0.44	1.19							1598	Metal Loss		
51938	GirthWeld		141028.6		37.32	39.7	39.7	38710	Valve	39530.48	Valve	366.7	36	0.312	52					0.420833	335			649									1250	Unknown		
51940	CLUSTER	YES	141029.2		0.65	39.04	39.7	38710	Valve	39531.13	Valve	366.05	36	0.312	52	0.16	0.05	10.52	4.56	5:43	335	979	705	649	0.48	1.10							1250	Unknown		
51949	GirthWeld		141068.3		39.69	39.9	39.89	38720	Valve	39570.17	Valve	327.01	36	0.312	52					1:02	335			649									1250	Unknown		
51950	GirthWeld		141108.2		39.89	39.14	39.14	38730	Valve	39610.07	Valve	287.11	36	0.312	52					0.073611	335			649									1250	Unknown		
51951	GirthWeld		141147.3		39.14	39.31	39.31	38740	Valve	39649.21	Valve	247.97	36	0.312	52					0.4375	335			649									1250	Unknown		
51952	GirthWeld		141186.6		39.31	39.17	39.17	38750	Valve	39688.52	Valve	208.66	36	0.312	52					0.480556	335			649									1250	Unknown		
51953	GirthWeld		141225.8		39.17	22.44	22.44	38760	Valve	39727.69	Valve	169.49	36	0.312	52					12:15	335			649									1250	Unknown		
51954	GirthWeld		141248.2		22.44	39.83	39.83	38770	Valve	39750.13	Valve	147.05	36	0.312	52					11:16	335			649									1250	Unknown		
51955	GirthWeld		141288.1		39.83	39.11	39.11	38780	Valve	39789.96	Valve	107.22	36	0.312	52					0.402778	335			649									1250	Unknown		
51956	GirthWeld		141327.2		39.11	39.94	39.94	38790	Valve	39829.07	Valve	68.11	36	0.312	52					0.440278	335			649									1250	Unknown		
51958	CLUSTER	YES	141335.7		8.53	31.41	39.94	38790	Valve	39837.6	Valve	59.58	36	0.312	52	0.18	0.06	26.75	5.00	0.24375	335	937	675	649	0.50	1.07							1250	Unknown		
51985	CLUSTER	YES	141338.9		11.71	28.23	39.94	38790	Valve	39840.78	Valve	56.4	36	0.312	52	0.15	0.05	1.45	0.82	6:09	335	1066	768	649	0.44	1.18							1250	Unknown		
51988	CLUSTER	YES	141339.4		12.28	27.66	39.94	38790	Valve	39841.35	Valve	55.83	36	0.312	52	0.21	0.07	12.36	5.22	5:47	335	939	676	649	0.50	1.08							1250	Unknown		
52002	CLUSTER	YES	141340.9		13.72	26.22	39.94	38790	Valve	39842.79	Valve	54.39	36	0.312	52	0.18	0.06	13.52	1.86	0.25625	335	956	688	649	0.49	1.10							1250	Unknown		
52011	MELO-CORR	YES	141342.7		15.54	24.4	39.94	38790	Valve	39844.61	Valve	52.57	36	0.312	52	0.17	0.05	1.10	0.55	0.24375	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52013	CLUSTER	YES	141343.1		15.94	24	39.94	38790	Valve	39845.01	Valve	52.17	36	0.312	52	0.15	0.05	10.24	3.55	0.252778	335	987	711	649	0.47	1.10							1250	Unknown		
52017	MELO-CORR	YES	141343.4		16.26	23.68	39.94	38790	Valve	39845.33	Valve	51.85	36	0.312	52	0.16	0.05	1.14	0.16	5:51	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52023	CLUSTER	YES	141344.7		17.56	22.38	39.94	38790	Valve	39846.63	Valve	50.55	36	0.312	52	0.18	0.06	4.42	1.10	6:20	335	1018	733	649	0.46	1.13							1250	Unknown		
52027	MELO-CORR	YES	141345.5		18.34	21.6	39.94	38790	Valve	39847.41	Valve	49.77	36	0.312	52	0.15	0.05	1.18	0.24	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52029	CLUSTER	YES	141348.7		21.51	18.42	39.94	38790	Valve	39850.58	Valve	46.6	36	0.312	52	0.15	0.05	4.94	1.48	0.25625	335	1023	736	649	0.46	1.14							1250	Unknown		
52032	CLUSTER	YES	141348.9		21.77	18.17	39.94	38790	Valve	39850.84	Valve	46.34	36	0.312	52	0.24	0.08	20.00	1.32	0.238194	335	897	646	649	0.52	1.06							1250	Unknown		
52042	MELO-CORR	YES	141351.6		24.47	15.47	39.94	38790	Valve	39853.54	Valve	43.64	36	0.312	52	0.15	0.05	1.18	0.20	6:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52044	CLUSTER	YES	141351.8		24.67	15.27	39.94	38790	Valve	39853.74	Valve	43.44	36	0.312	52	0.23	0.07	32.78	7.51	5:42	335	892	642	649	0.52	1.02							1250	Unknown		
52082	CLUSTER	YES	141363.3		36.16	3.78	39.94	38790	Valve	39865.23	Valve	31.95	36	0.312	52	0.18	0.06	4.60	0.97	0.270833	335	1016	731	649	0.46	1.14							1250	Unknown		
52085	CLUSTER	YES	141364.4		37.27	2.67	39.94	38790	Valve	39866.34	Valve	30.84	36	0.312	52	0.16	0.05	10.72	0.60	0.2625	335	979	705	649	0.48	1.09							1250	Unknown		
52089	GirthWeld		141367.1		39.94	15.96	15.96	38800	Valve	39869.01	Valve	28.17	36	0.312	52					0.477083	335			649									1250	Unknown		
52091	CLUSTER	YES	141370.4		3.32	12.64	15.96	38800	Valve	39872.33	Valve	24.85	36	0.312	52	0.15	0.05	3.98	0.50	6:18	335	1034	744	649	0.45	1.15							1250	Unknown		
52095	CLUSTER	YES	141373.2		6.1	9.86	15.96	38800	Valve	39875.11	Valve	22.07	36	0.312	52	0.26	0.08	18.49	3.43	5:30	335	885	637	649	0.53	1.06							1250	Unknown		
52101	CLUSTER	YES	141374		6.91	9.05	15.96	38800	Valve	39875.92	Valve	21.26	36	0.312	52	0.2	0.06	15.44	4.27	0.246528	335	937	674	649	0.50	1.07							1250	Unknown		
52119	CLUSTER	YES	141375.4		8.34	7.62	15.96	38800	Valve	39877.35	Valve	19.83	36	0.312	52	0.16	0.05	7.86	1.82	0.259028	335	993	715	649	0.47	1.11							1250	Unknown		
52128	MELO-CORR	YES	141376		8.89	7.07	15.96	38800	Valve	39877.9	Valve	19.28	36	0.312	52	0.15	0.05	1.10	0.43	0.225	335	1070	770	649	0.43	1.19							1598	Metal Loss		
52131	CLUSTER	YES	141376.9		9.81	6.15	15.96	38800	Valve	39878.82	Valve	18.36	36	0.312	52	0.18	0.06	7.09	1.32	5:44	335	989	712	649	0.47	1.12							1250	Unknown		
52136	CLUSTER	YES	141377.2		10.11	5

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
52296	CLUSTER	YES	141406.6		8.45	1.05	9.49	38830	Valve	11.29	Valve	28455.78	36	0.312	52	0.15	0.05	11.32	3.83	5:35	335	983	708	649	0.47	1.10							1250	Unknown		
52312	GirthWeld		141407.6		9.49	23.69	23.69	38840	Valve	12.33	Valve	28454.74	36	0.312	52					11:16	335			649									1250	Unknown		
52314	CLUSTER	YES	141407.6		0.02	23.67	23.69	38840	Valve	12.35	Valve	28454.72	36	0.312	52	0.38	0.12	13.92	5.78	0.238194	335	807	581	649	0.58	0.96							1250	Unknown		
52323	MELO-CORR	YES	141408.2		0.64	23.05	23.69	38840	Valve	12.97	Valve	28454.1	36	0.312	52	0.18	0.06	2.48	0.59	0.271528	335	1049	755	649	0.44	1.16							1598	Metal Loss		
52325	CLUSTER	YES	141409		1.39	22.3	23.69	38840	Valve	13.72	Valve	28453.35	36	0.312	52	0.2	0.06	3.28	1.51	0.256944	335	1031	742	649	0.45	1.15							1250	Unknown		
52329	CLUSTER	YES	141410.2		2.58	21.11	23.69	38840	Valve	14.91	Valve	28452.16	36	0.312	52	0.15	0.05	5.99	3.52	5:14	335	1013	729	649	0.46	1.13							1250	Unknown		
52333	CLUSTER	YES	141410.8		3.21	20.48	23.69	38840	Valve	15.55	Valve	28451.52	36	0.312	52	0.16	0.05	14.89	3.77	5:53	335	966	696	649	0.48	1.08							1250	Unknown		
52339	CLUSTER	YES	141411.3		3.71	19.99	23.69	38840	Valve	16.04	Valve	28451.03	36	0.312	52	0.17	0.05	18.02	3.43	0.21875	335	954	687	649	0.49	1.08							1250	Unknown		
52349	CLUSTER	YES	141412.1		4.47	19.23	23.69	38840	Valve	16.8	Valve	28450.27	36	0.312	52	0.21	0.07	2.77	2.29	0.247917	335	1038	748	649	0.45	1.16							1250	Unknown		
52357	CLUSTER	YES	141412.5		4.89	18.8	23.69	38840	Valve	17.22	Valve	28449.85	36	0.312	52	0.18	0.06	20.62	3.90	0.241667	335	943	679	649	0.49	1.07							1250	Unknown		
52375	MELO-CORR	YES	141414.5		6.85	16.84	23.69	38840	Valve	19.18	Valve	28447.89	36	0.312	52	0.17	0.05	1.18	0.20	5:44	335	1068	769	649	0.44	1.19							1598	Metal Loss		
52377	CLUSTER	YES	141414.6		7	16.7	23.69	38840	Valve	19.33	Valve	28447.74	36	0.312	52	0.25	0.08	10.70	7.98	5:14	335	920	662	649	0.51	1.08							1250	Unknown		
52389	CLUSTER	YES	141415.3		7.66	16.03	23.69	38840	Valve	19.99	Valve	28447.08	36	0.312	52	0.3	0.09	28.67	7.16	0.235417	335	839	604	649	0.55	1.04							1250	Unknown		
52398	CLUSTER	YES	141415.7		8.06	15.63	23.69	38840	Valve	20.39	Valve	28446.68	36	0.312	52	0.15	0.05	1.16	0.38	0.259028	335	1069	770	649	0.44	1.19							1250	Unknown		
52409	CLUSTER	YES	141416.4		8.75	14.95	23.69	38840	Valve	21.08	Valve	28445.99	36	0.312	52	0.15	0.05	4.84	2.04	0.219444	335	1024	737	649	0.45	1.14							1250	Unknown		
52416	MELO-CORR	YES	141416.7		9.05	14.65	23.69	38840	Valve	21.38	Valve	28445.69	36	0.312	52	0.15	0.05	1.93	0.51	5:46	335	1061	764	649	0.44	1.18							1598	Metal Loss		
52420	CLUSTER	YES	141416.9		9.3	14.4	23.69	38840	Valve	21.63	Valve	28445.44	36	0.312	52	0.16	0.05	10.63	5.22	5:17	335	979	705	649	0.48	1.09							1250	Unknown		
52431	CLUSTER	YES	141418.5		10.85	12.85	23.69	38840	Valve	23.18	Valve	28443.89	36	0.312	52	0.18	0.06	6.13	1.38	0.232639	335	997	718	649	0.47	1.11							1250	Unknown		
52436	CLUSTER	YES	141419.8		12.17	11.52	23.69	38840	Valve	24.5	Valve	28442.57	36	0.312	52	0.16	0.05	29.69	7.20	0.227083	335	951	685	649	0.49	1.06							1250	Unknown		
52460	CLUSTER	YES	141422.5		14.86	8.83	23.69	38840	Valve	27.19	Valve	28439.88	36	0.312	52	0.17	0.05	12.61	3.36	0.227778	335	965	695	649	0.48	1.09							1250	Unknown		
52462	CLUSTER	YES	141422.7		15.08	8.62	23.69	38840	Valve	27.41	Valve	28439.66	36	0.312	52	0.16	0.05	15.30	1.73	6:04	335	965	695	649	0.48	1.08							1250	Unknown		
52477	CLUSTER	YES	141426.2		18.6	5.1	23.69	38840	Valve	30.93	Valve	28436.14	36	0.312	52	0.16	0.05	2.60	1.16	6:06	335	1050	756	649	0.44	1.16							1250	Unknown		
52480	CLUSTER	YES	141429.8		22.22	1.47	23.69	38840	Valve	34.55	Valve	28432.52	36	0.312	52	0.18	0.06	15.00	4.56	0.259722	335	952	685	649	0.49	1.08							1250	Unknown		
52494	GirthWeld		141431.3		23.69	14.15	14.15	38850	Valve	36.02	Valve	28431.05	36	0.312	52					0.486806	335			649									1250	Unknown		
52496	CLUSTER	YES	141431.6		0.27	13.88	14.15	38850	Valve	36.29	Valve	28430.78	36	0.312	52	0.2	0.06	18.43	2.45	0.26875	335	931	670	649	0.50	1.06							1250	Unknown		
52500	CLUSTER	YES	141431.9		0.6	13.55	14.15	38850	Valve	36.62	Valve	28430.45	36	0.312	52	0.19	0.06	5.21	1.10	6:06	335	1004	723	649	0.46	1.12							1250	Unknown		
52512	MELO-CORR	YES	141433.3		2.01	12.14	14.15	38850	Valve	38.03	Valve	28429.04	36	0.312	52	0.15	0.05	1.22	0.24	5:34	335	1069	769	649	0.44	1.19							1598	Metal Loss		
52514	CLUSTER	YES	141433.7		2.45	11.7	14.15	38850	Valve	38.47	Valve	28428.6	36	0.312	52	0.2	0.06	19.32	3.83	0.230556	335	929	669	649	0.50	1.07							1250	Unknown		
52527	CLUSTER	YES	141438		6.75	7.4	14.15	38850	Valve	42.77	Valve	28424.3	36	0.312	52	0.29	0.09	32.17	6.76	0.233333	335	843	607	649	0.55	1.07							1250	Unknown		
52555	CLUSTER	YES	141442		10.74	3.41	14.15	38850	Valve	46.76	Valve	28420.31	36	0.312	52	0.15	0.05	11.70	6.19	0.231944	335	982	707	649	0.47	1.10							1250	Unknown		
52570	CLUSTER	YES	141443.2		11.88	2.27	14.15	38850	Valve	47.9	Valve	28419.17	36	0.312	52	0.22	0.07	22.70	4.27	5:51	335	909	655	649	0.51	1.07							1250	Unknown		
52590	GirthWeld		141445.4		14.15	24.98	24.98	38860	Valve	50.17	Valve	28416.9	36	0.312	52					2:59	335			649									1250	Unknown		
52592	CLUSTER	YES	141446.4		0.92	24.06	24.98	38860	Valve	51.09	Valve	28415.98	36	0.312	52	0.25	0.08	9.62	2.29	0.242361	335	927	668	649	0.50	1.04							1250	Unknown		
52599	AS_Casing		141447.4		1.94	23.04	24.98	38860	Valve	52.11	Valve	28414.96	36	0.312	52						335			649									1590	Casing		
52601	CLUSTER	YES	141449.8		4.33	20.65	24.98	38860	Valve	54.5	Valve	28412.57	36	0.312	52	0.18	0.06	3.28	1.07	0.248611	335	1036	746	649	0.45	1.15							1250	Unknown		
52604	CLUSTER	YES	141450.5		5.01	19.97	24.98	38860	Valve	55.18	Valve	28411.89	36	0.312	52	0.21	0.07	11.76	3.43	5:49	335	941	678	649	0.49	1.09							1250	Unknown		
52613	CLUSTER	YES	141453		7.6	17.38	24.98	38860	Valve	57.77	Valve	28409.3	36	0.312	52	0.28	0.09	26.33	3.36	5:50	335	858	617	649	0.54	0.99							1250	Unknown		
52628	MELO-CORR	YES	141455.3		9.9	15.08	24.98	38860	Valve	60.07	Valve	28407	36	0.312	52	0.15	0.05	1.22	0.24	0.248611	335	1069	769	649	0.44	1.19							1598	Metal Loss		
52630	CLUSTER	YES	141457.6		12.11	12.88	24.98	38860	Valve	62.28	Valve	28404.79	36	0.312	52	0.16	0.05	4.56	1.60	0.243056	335	1023	737	649	0.45	1.14							1250	Unknown		
52633	CLUSTER	YES	141460.6		15.13	9.86	24.98	38860	Valve	65.3	Valve	28401.77	36	0.312	52	0.27	0.08	6.05	1.98	0.248611	335	954	687	649	0.49	1.09							1250	Unknown		
52638	CLUSTER	YES	141461.5		16.1	8.88	24.98	38860	Valve	66.27	Valve	28400.8	36	0.312	52	0.21	0.07	5.23	2.11	5:50	335	995	716	649	0.47	1.13							1250	Unknown		
52642	CLUSTER	YES	141465.5		20.07	4.92	24.98	38860	Valve	70.24	Valve	28396.83	36	0.312	52	0.16	0.05	9.40	4.46	5:30	335	984	709	649	0.47	1.11							1250	Unknown		
52648	CLUSTER	YES	141469.5		24.05	0.93	24.98	38860	Valve	74.23	Valve	28392.85	36	0.312	52	0.22	0.07	9.02	3.30	0.225	335	950	684	649	0.49	1.11							1250	Unknown		
52653	GirthWeld		141470.4		24.98	39.82	39.82	38870	Valve	75.15	Valve	28391.92	36	0.312	52					0.069444	335			649									1250	Unknown		
52655	CLUSTER	YES	141473		2.6	37.22	39.82	38870	Valve	77.75	Valve	28389.32	36	0.312	52	0.16	0.05	9.95	1.79	0.220139	335	982	707	649	0.47	1.10							1250	Unknown		
52664	CLUSTER	YES	141482.6		12.17	27.66	39.82	38870	Valve	87.32	Valve	28379.75	36	0.312	52	0.29	0.09	4.02	1.48	6:16	335	986	710	649	0.47	1.11							1250	Unknown		
52667	CLUSTER	YES	141482.8		12.34	27.49	39.82	38870	Valve	87.49	Valve	28379.58	36	0.312	52	0.24	0.08	5.45	1.10	5:51	335	979	705	649	0.48	1.10							1250	Unknown		
52671	MELO-CORR	YES	141484		13.53	26.3	39.82	38870	Valve	88.68	Valve	28378.39	36	0.312	52	0.15	0.05	1.14	0.20	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52673	CLUSTER	YES	141485.8		15.42	24.41	39.82	38870	Valve	90.57	Valve	28376.5	36	0.312	52	0.19	0.06	3.60	0.79	0.246528	335	1028	740	649	0.45	1.15							1250	Unknown		
52676	CLUSTER	YES	141490.3		19.87	19.95	39.82	38870	Valve	95.02	Valve	28372.05	36	0.312	52	0.3	0.09	9.13	2.73	0.247222	335	899	647	649	0.52	1.10							1250	Unknown		
52683	CLUSTER	YES	141491.3		20.87	18.95	39.82	38870	Valve	96.02	Valve	28371.05	36	0.312	52	0.15	0.05	5.78	1.29	5:55	335	1014	730	649	0.46	1.13							1250	Unknown		
52688	CLUSTER	YES	141493.2		22.75	17.08	39.82	38870	Valve	97.9	Valve	28369.17	36	0.312	52	0.2	0.06	8.05	1.64	5:54	335	969	698	649	0.48	1.10							1250	Unknown		
52693	CLUSTER	YES	141494		23.58	16.24	39.82	38870	Valve	98.73	Valve	28368.34	36	0.312	52	0.19	0.06	15.65	2.99	0.251389	335	943	679	649	0.49	1.08							1250	Unknown		
52704	CLUSTER	YES	141497.8		27.35	12.48	39.82	38870	Valve	102.5	Valve	28364.57	36	0.312	52	0.23	0.07	7.97	4.75	0.240972	335	953	686	649	0.49	1.08							1250	Unknown		
52713	CLUSTER	YES	141499.1		28.7	11.12	39.82	38870	Valve	103.85	Valve	28363.22	36	0.312	52	0.16	0.05	1.27	2.36	0.241667	335	1068	769	649	0.44	1.18							1250	Unknown		
52716	CLUSTER	YES	141499.5		29.11	10.71	39.82	38870	Valve	104.27	Valve	28362.8	36	0.312	52	0.2	0.06	12.56	4.31	5:47	335	945	681	649	0.49	1.07							1250	Unknown		
52733	CLUSTER	YES	141500.8		30.34	9.48	39.82	38870	Valve	105.49	Valve	28361.58	36	0.312	52	0.15	0.05	7.42	4.15	5:53	335	1002	721	649	0.46	1.12							1250	Unknown		
52740	CLUSTER	YES	141509.3		38.84	0.98	39.82	38870	Valve	113.99	Valve	28353.08	36	0.312	52	0.17	0.05	8.16	1.01	0.239583	335	986	710	649	0.47	1.09							1250	Unknown		
52743	GirthWeld		141510.2		39.82	39.87	39.87	38880	Valve	114.97	Valve	28352.1	36	0.312	52					0.529167	335			649									1250	Unknown		
52745	CLUSTER	YES	141539.1		28.88	11	39.87	38880	Valve	143.85	Valve	28323.22	36	0.312	52	0.16	0.05	4.25	0.63	0.227778	335	1027	740	649	0.45	1.14							1250	Unknown		
52747	AE_Casing		141545.3		35.06	4.81	39.87	38880	Valve	150.03	Valve	28317.04	36	0.312	52						335			649									1590	Casing		
52748	GirthWeld		141550.1		39.87	39.51	39.51	38890	Valve	154.84	Valve	28312.23	36	0.312	52					1:57	335			649									1250	Unknown		
52750	CLUSTER	YES	141556.7		6.63	32.89	39.51	38890	Valve	161.46	Valve	28305.61	36	0.312	52	0.17	0.05	5.54	1.57	0.240972	335	1008	726	649	0.46	1.13							1250	Unknown		
52754	CLUSTER	YES	141558.6		8.51	31	39.51	38890	Valve	163.35	Valve	28303.72	36	0.312	52	0.2	0.06	7.19	0.79	0.246528	335	977	703	649	0.48	1.09							1250	Unknown		
52759	CLUSTER	YES	141570.1		19.94	19.57	39.51	38890	Valve	174.78	Valve	28292.29	36	0.312	52	0.18	0.06	7.73	0.72	0.229167	335	983	708	649	0.47	1.10							1250	Unknown		
52763	CLUSTER	YES	141579.2		29.06	10.45	39.51	38890	Valve	183.9	Valve	28283.17	36	0.312	52	0.17	0.05	6.97	0.57	5:47	335	995	716	649	0.47	1.12							1250	Unknown		
52766	CLUSTER	YES	141579.3		29.23	10.28	39.51	38890	Valve	184.07	Valve	28283	36	0.312	52	0.2	0.06	4.49	1.23	6:11	335	1010	727	649	0.46	1.13							1250	Unknown		
52771	CLUSTER	YES	141580.2		30.04	9.47	39.51	38890	Valve	184.88	Valve	28282.19	36	0.312	52	0.16	0.05	10.93	0.94	0.238889	335	978	704	649	0.48	1.10							1250	Unknown		
52775	MELO-CORR	YES	141582.2		32.11	7.4	39.51	38890	Valve	186.95	Valve	28280.12	36	0.312	52	0.15	0.05	1.18	0.35	0.241667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52777	CLUSTER	YES	141582.7		32.58	6.93	39.51	38890	Valve	187.42	Valve	28279.65	36	0.312	52	0.17	0.05	8.05	0.76	0.239583	335	986	710	649	0.47	1.11							1250	Unknown		
52780	GirthWeld		141589.6		39.51	39.2	39.2	38900	Valve	194.35	Valve	28272.72	36	0.312	52					2:36	335			649									1250	Unknown		
52781	MELO-CORR	YES	141620.1		30.5	8.7	39.2	38900	Valve	224.85	Valve	28242.22	36	0.312	52	0.19	0.06	1.10	0.20	6:02	335	1068	769	649	0.44	1.19							1598	Metal Loss		
52783	CLUSTER	YES	141620.3		30.68	8.52	39.2	38900	Valve	225.03	Valve	28242.04	36	0.312	52	0.17	0.05	3.41	2.14	0.253472	335	1036	746	649	0.45	1.16							1250	Unknown		
52785	GirthWeld		141628.8		39.2	39.84	39.84	38910	Valve	233.55	Valve	28233.52	36	0.312	52					0.448611	335			649									1250	Unknown		
52786	GirthWeld		141668.7		39.84	39.54	39.54	38920	Valve	273.39	Valve	28193.68	36	0.312	52					0.490278	335			649									1250	Unknown		
52787	GirthWeld		141708.2		39.54	39.85	39.85	38930	Valve	312.93	Valve	28154.14	36	0.312	52					1:28	335			649									1250	Unknown		
52788	GirthWeld		141748.1		39.85	39.73	39.74	38940	Valve	352.78	Valve	28114.29	36	0.312	52					1:56	335			649									1250	Unknown		
52789	GirthWeld		141787.8		39.73	39.45	39.44	38950	Valve	392.51	Valve	28074.56	36	0.312	52					0.445833	335			649									1250	Unknown		
52790	MELO-CORR	YES	141794.3		6.54	32.91	39.44	38950	Valve	399.05	Valve	28068.02	36	0.312	52	0.15	0.05	1.18	0.16	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52791	GirthWeld		141827.2		39.45	38.9	38.9	38960	Valve	431.96	Valve	28035.11	36	0.312	52					0:5	335			649									1250	Unknown		
52792	GirthWeld		141866.1		38.9	39.26	39.26	38970	Valve	470.86	Valve	27996.21	36	0.312	52					1:32	335			649									1250	Unknown		
52793	GirthWeld		141905.4		39.26	31.24	31.24	38980	Valve	510.12	Valve	27956.95	36	0.312	52					1:08	335			649									1250	Unknown		
52794	GirthWeld		141936.6		31.24	39.84	39.85	38990	Valve	541.36	Valve	27925.71	36	0.312	52					0.456944	335			649									1250	Unknown		
52795	MELO-CORR	YES	141938.4		1.81	38.03	39.85	38990	Valve	543.17	Valve	27923.9	36	0.312	52	0.24	0.08	0.87	0.63	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
52796	MELO-CORR	YES	141939.5		2.91	36.93	39.85	38990	Valve	544.27	Valve	27922.8	36	0.312	52	0.15	0.05	1.22	0.16	0.2375	335	1069	769	649	0.44	1.19							1598	Metal Loss		
52798	CLUSTER	YES	141953.6		16.97	22.87	39.85	38990	Valve	558.33	Valve	27908.74	36	0.312	52	0.21	0.07	1.30	0.88	6:09	335	1065	766	649	0.44	1.18							1250	Unknown		
52801	CLUSTER	YES	141958.3		21.66	18.18	39.85	38990	Valve	563.02	Valve	27904.05	36	0.312	52	0.15	0.05	3.07	0.94	5:55	335	1046	753	649	0.44	1.16							1250	Unknown		
52803	GirthWeld		141976.5		39.84	39.82	39.82	39000	Valve	581.2	Valve	27885.87	36	0.312	52					0.484722	335			649									1250	Unknown		
52804	GirthWeld		142016.3		39.82	39.79	39.79	39010	Valve	621.02	Valve	27846.05	36	0.312	52					0.045833	335			649									1250	Unknown		
52805	GirthWeld		142056.1		39.79	34.3	34.3	39020	Valve	660.81	Valve	27806.26	36	0.312	52					0.084722	335			649									1250	Unknown		
52806	GirthWeld		142090.4		34.3	25.15	25.16	39030	Valve	695.11	Valve	27771.96	36	0.312	52					12:16	335			649									1250	Unknown		
52807	GirthWeld		142115.5		25.15	14.42	14.41	39040	Valve	720.26	Valve	27746.81	36	0.312	52					1:20	335			649									1250	Unknown		
52808	GirthWeld		142130		14.42	30.17	30.18	39050	Valve	734.68	Valve	27732.39	36	0.312	52					0.530556	335			649									1250	Unknown		
52809	GirthWeld		142160.1		30.17	9.95	9.95	39060	Valve	764.85	Valve	27702.22	36	0.312	52					0.493056	335			649									1250	Unknown		
52810	GirthWeld		142170.1		9.95	39.87	39.87	39070	Valve	774.8	Valve	27692.27	36	0.312	52					0.405556	335			649									1250	Unknown		
52811	GirthWeld		142209.9		39.87	38.81	38.81	39080	Valve	814.67	Valve	27652.4	36	0.312	52					8:52	335			649									1250	Unknown		
52812	GirthWeld		142248.8		38.81	11.55	11.54	39090	Valve	853.48	Valve	27613.59	36	0.312	52					11:24	335			649									1250	Unknown		
52813	GirthWeld		142260.3		11.55	39.85	39.85	39100	Valve	865.03	Valve	27602.04	36	0.312	52					0.043056	335			649									1250	Unknown		
52814	GirthWeld		142300.2		39.85	39.86	39.86	39110	Valve	904.88	Valve	27562.19	36	0.312	52					0:5	335			649									1250	Unknown		
52815	GirthWeld		142340		39.86	39.18	39.18	39120	Valve	944.74	Valve	27522.33	36	0.312	52					0.425	335			649									1250	Unknown		
52816	GirthWeld		142379.2		39.17	39.89	39.88	39130	Valve	983.92	Valve	27483.15	36	0.312	52					9:20	335			649									1250	Unknown		
52817	GirthWeld		142419.1		39.88	21.91	21.92	39140	Valve	1023.8	Valve	27443.27	36	0.312	52					12:40	335			649									1250	Unknown		
52818	GirthWeld		142441		21.91	39.27	39.26	39150	Valve	1045.71	Valve	27421.36	36	0.312	52					0.423611	335			649									1250	Unknown		
52819	MELO-CORR	YES	142444.1		3.16	36.11	39.26	39150	Valve	1048.87	Valve	27418.2	36	0.312	52	0.15	0.05	1.10	0.32	0.220833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
52820	GirthWeld		142480.3		39.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
52836	GirthWeld		143105.6		39.11	39.68	39.67	39320	Valve	1710.35	Valve	26756.72	36	0.312	52					10:46	335			649									1250	Unknown		
52837	GirthWeld		143145.3		39.68	39.79	39.79	39330	Valve	1750.03	Valve	26717.04	36	0.312	52					12:38	335			649									1250	Unknown		
52838	GirthWeld		143185.1		39.79	39.77	39.77	39340	Valve	1789.82	Valve	26677.25	36	0.312	52					0.068056	335			649									1250	Unknown		
52839	GirthWeld		143224.9		39.77	39.37	39.37	39350	Valve	1829.59	Valve	26637.48	36	0.312	52					0.413889	335			649									1250	Unknown		
52840	GirthWeld		143264.2		39.37	39.81	39.81	39360	Valve	1868.96	Valve	26598.11	36	0.312	52					0.472222	335			649									1250	Unknown		
52841	GirthWeld		143304		39.81	31.51	31.51	39370	Valve	1908.77	Valve	26558.3	36	0.312	52					12:50	335			649									1250	Unknown		
52842	GirthWeld		143335.6		31.51	39.84	39.84	39380	Valve	1940.28	Valve	26526.79	36	0.312	52					1:50	335			649									1250	Unknown		
52843	GirthWeld		143375.4		39.84	39.86	39.86	39390	Valve	1980.12	Valve	26486.95	36	0.312	52					0.419444	335			649									1250	Unknown		
52844	GirthWeld		143415.3		39.86	39.72	39.72	39400	Valve	2019.98	Valve	26447.09	36	0.312	52					0.470833	335			649									1250	Unknown		
52845	GirthWeld		143455		39.72	39.86	39.86	39410	Valve	2059.7	Valve	26407.37	36	0.312	52					0.098611	335			649									1250	Unknown		
52846	GirthWeld		143494.8		39.86	39.72	39.72	39420	Valve	2099.56	Valve	26367.51	36	0.312	52					1:26	335			649									1250	Unknown		
52847	GirthWeld		143534.6		39.72	39.84	39.83	39430	Valve	2139.28	Valve	26327.79	36	0.312	52					10:54	335			649									1250	Unknown		
52848	GirthWeld		143574.4		39.84	39.38	39.37	39440	Valve	2179.12	Valve	26287.95	36	0.312	52					0.5	335			649									1250	Unknown		
52849	GirthWeld		143613.8		39.37	28.72	28.72	39450	Valve	2218.49	Valve	26248.58	36	0.312	52					0.123611	335			649									1250	Unknown		
52851	CLUSTER	YES	143627.1		13.29	15.44	28.72	39450	Valve	2231.78	Valve	26235.29	36	0.312	52	0.15	0.05	3.34	1.29	0.236806	335	1042	750	649	0.45	1.16							1250	Unknown		
52853	GirthWeld		143642.5		28.72	40.28	40.28	39460	Valve	2247.21	Valve	26219.86	36	0.312	52					1:10	335			649									1250	Unknown		
52855	CLUSTER	YES	143647.7		5.2	35.08	40.28	39460	Valve	2252.41	Valve	26214.66	36	0.312	52	0.16	0.05	4.14	1.01	5:46	335	1029	741	649	0.45	1.14							1250	Unknown		
52858	GirthWeld		143682.8		40.28	39.24	39.24	39470	Valve	2287.49	Valve	26179.58	36	0.312	52					0.45	335			649									1250	Unknown		
52859	GirthWeld		143722		39.24	40.06	40.06	39480	Valve	2326.73	Valve	26140.34	36	0.312	52					0.484722	335			649									1250	Unknown		
52860	GirthWeld		143762.1		40.06	42.52	42.52	39490	Valve	2366.79	Valve	26100.28	36	0.312	52					0.102778	335			649									1250	Unknown		
52861	GirthWeld		143804.6		42.52	32.61	32.61	39500	Valve	2409.31	Valve	26057.76	36	0.312	52					1:04	335			649									1250	Unknown		
52862	GirthWeld		143837.2		32.61	39.27	39.27	39510	Valve	2441.92	Valve	26025.15	36	0.312	52					10:36	335			649									1250	Unknown		
52863	GirthWeld		143876.5		39.27	38.5	38.5	39520	Valve	2481.19	Valve	25985.88	36	0.312	52					0.494444	335			649									1250	Unknown		
52864	GirthWeld		143915		38.5	38.66	38.66	39530	Valve	2519.69	Valve	25947.38	36	0.312	52					0.097222	335			649									1250	Unknown		
52865	GirthWeld		143953.6		38.66	39.78	39.78	39540	Valve	2558.35	Valve	25908.72	36	0.312	52					0.057639	335			649									1250	Unknown		
52866	GirthWeld		143993.4		39.78	31.57	31.57	39550	Valve	2598.13	Valve	25868.94	36	0.312	52					11:10	335			649									1250	Unknown		
52867	GirthWeld		144025		31.57	39.8	39.8	39560	Valve	2629.7	Valve	25837.37	36	0.312	52					11:40	335			649									1250	Unknown		
52869	CLUSTER	YES	144027.5		2.5	37.29	39.8	39560	Valve	2632.2	Valve	25834.87	36	0.312	52	0.26	0.08	3.79	0.60	0.240278	335	1003	722	649	0.46	1.12							1250	Unknown		
52871	MELO-CORR	YES	144030.7		5.73	34.07	39.8	39560	Valve	2635.43	Valve	25831.64	36	0.312	52	0.19	0.06	2.68	0.51	0.265278	335	1044	751	649	0.45	1.16							1598	Metal Loss		
52873	CLUSTER	YES	144033.7		8.69	31.11	39.8	39560	Valve	2638.39	Valve	25828.68	36	0.312	52	0.18	0.06	5.80	1.57	0.259722	335	1001	721	649	0.46	1.13							1250	Unknown		
52877	GirthWeld		144064.8		39.8	38.48	38.49	39570	Valve	2669.5	Valve	25797.57	36	0.312	52					1:36	335			649									1250	Unknown		
52878	GirthWeld		144103.3		38.48	39.75	39.75	39580	Valve	2707.98	Valve	25759.09	36	0.312	52					2:30	335			649									1250	Unknown		
52879	GirthWeld		144143		39.75	39.98	39.98	39590	Valve	2747.73	Valve	25719.34	36	0.312	52					0.458333	335			649									1250	Unknown		
52881	CLUSTER	YES	144164.9		21.9	18.08	39.98	39590	Valve	2769.63	Valve	25697.44	36	0.312	52	0.15	0.05	5.33	0.97	0.249306	335	1019	734	649	0.46	1.14							1250	Unknown		
52884	GirthWeld		144183		39.98	38.83	38.83	39600	Valve	2787.71	Valve	25679.36	36	0.312	52					0.440278	335			649									1250	Unknown		
52885	GirthWeld		144221.8		38.83	16.58	16.58	39610	Valve	2826.54	Valve	25640.53	36	0.312	52					2:00	335			649									1250	Unknown		
52886	GirthWeld		144238.4		16.58	39.31	39.31	39620	Valve	2843.12	Valve	25623.95	36	0.312	52					1:22	335			649									1250	Unknown		
52887	GirthWeld		144277.7		39.31	39	38.99	39630	Valve	2882.43	Valve	25584.64	36	0.312	52					0.397222	335			649									1250	Unknown		
52888	GirthWeld		144316.7		38.99	39.14	39.14	39640	Valve	2921.43	Valve	25545.64	36	0.312	52					0.420139	335			649									1250	Unknown		
52890	CLUSTER	YES	144321.9		5.14	33.99	39.14	39640	Valve	2926.58	Valve	25540.49	36	0.312	52	0.2	0.06	17.06	4.05	0.244444	335	933	672	649	0.50	1.06							1250	Unknown		
52902	CLUSTER	YES	144327.9		11.22	27.92	39.14	39640	Valve	2932.65	Valve	25534.42	36	0.312	52	0.15	0.05	12.37	3.30	5:55	335	980	705	649	0.48	1.09							1250	Unknown		
52908	CLUSTER	YES	144338.6		21.93	17.2	39.14	39640	Valve	2943.36	Valve	25523.71	36	0.312	52	0.17	0.05	14.81	3.52	5:59	335	960	691	649	0.48	1.09							1250	Unknown		
52914	CLUSTER	YES	144339.3		22.61	16.52	39.14	39640	Valve	2944.04	Valve	25523.03	36	0.312	52	0.23	0.07	11.59	1.23	0.238194	335	929	669	649	0.50	1.07							1250	Unknown		
52926	CLUSTER	YES	144340.5		23.83	15.31	39.14	39640	Valve	2945.26	Valve	25521.81	36	0.312	52	0.18	0.06	23.21	5.81	0.236111	335	940	677	649	0.49	1.07							1250	Unknown		
52942	MELO-CORR	YES	144345.3		28.59	10.55	39.14	39640	Valve	2950.02	Valve	25517.05	36	0.312	52	0.26	0.08	1.53	0.43	0.249306	335	1057	761	649	0.44	1.17							1598	Metal Loss		
52944	CLUSTER	YES	144346.4		29.73	9.4	39.14	39640	Valve	2951.17	Valve	25515.9	36	0.312	52	0.18	0.06	18.92	2.58	6:18	335	945	680	649	0.49	1.07							1250	Unknown		
52946	MELO-CORR	YES	144346.5		29.77	9.36	39.14	39640	Valve	2951.2	Valve	25515.87	36	0.312	52	0.18	0.06	1.14	0.20	5:37	335	1068	769	649	0.44	1.19							1598	Metal Loss		
52953	MELO-CORR	YES	144348.3		31.58	7.56	39.14	39640	Valve	2953.01	Valve	25514.06	36	0.312	52	0.17	0.05	1.14	0.20	0.26875	335	1069	769	649	0.44	1.19							1598	Metal Loss		
52955	CLUSTER	YES	144353.2		36.47	2.67	39.14	39640	Valve	2957.9	Valve	25509.17	36	0.312	52	0.15	0.05	3.88	2.26	0.230556	335	1035	745	649	0.45	1.15							1250	Unknown		
52958	CLUSTER	YES	144353.8		37.08	2.05	39.14	39640	Valve	2958.51	Valve	25508.56	36	0.312	52	0.2	0.06	5.62	0.38	0.238889	335	994	716	649	0.47	1.12							1250	Unknown		
52961	CLUSTER	YES	144354.4		37.65	1.49	39.14	39640	Valve	2959.08	Valve	25507.99	36	0.312	52	0.17	0.05	7.06	0.60	5:47	335	994	716	649	0.47	1.11							1250	Unknown		
52966	CLUSTER	YES	144355.1		38.43	0.71	39.14	39640	Valve	2959.86	Valve	25507.21	36	0.312	52	0.25	0.08	6.14	2.73	6:12	335	963	693	649	0.48	1.12							1250	Unknown		
52970	GirthWeld		144355.8		39.14	39.86	39.86	39650	Valve	2960.57	Valve	25506.5	36	0.312	52					0.136111	335			649									1250	Unknown		
52972	CLUSTER	YES	144356		0.18	39.68	39.86	39650	Valve	2960.75	Valve	25506.32	36	0.312	52	0.2	0.06	12.91	2.26	0.231944	335	944	680	649	0.49	1.07							1250	Unknown		
52974	CLUSTER	YES	144356.1		0.26	39.6	39.86	39650	Valve	2960.83	Valve	25506.24	36	0.312	52	0.2	0.06	6.37	2.83	0.264583	335	985	709	649	0.47	1.12							1250	Unknown		
52989	CLUSTER	YES	144357		1.13	38.73	39.86	39650	Valve	2961.7	Valve	25505.38	36	0.312	52	0.2	0.06	14.54	5.00	5:53	335	939	676	649	0.50	1.07							1250	Unknown		
53002	CLUSTER	YES	144359.9		4.07	35.79	39.86	39650	Valve	2964.64	Valve	25502.43	36	0.312	52	0.2	0.06	2.36	1.35	6:11	335	1048	754	649	0.44	1.17							1250	Unknown		
53005	CLUSTER	YES	144365		9.14	30.71	39.86	39650	Valve	2969.71	Valve	25497.36	36	0.312	52	0.18	0.06	6.35	3.83	0.245139	335	995	717	649	0.47	1.11							1250	Unknown		
53015	CLUSTER	YES	144366		10.17	29.69	39.86	39650	Valve	2970.74	Valve	25496.33	36	0.312	52	0.26	0.08	11.44	1.42	0.244444	335	909	654	649	0.51	1.05							1250	Unknown		
53021	MELO-CORR	YES	144368.8		13	26.86	39.86	39650	Valve	2973.57	Valve	25493.5	36	0.312	52	0.15	0.05	1.10	0.51	0.240278	335	1070	770	649	0.43	1.19							1598	Metal Loss		
53023	CLUSTER	YES	144370		14.12	25.73	39.86	39650	Valve	2974.69	Valve	25492.38	36	0.312	52	0.25	0.08	4.70	1.35	5:39	335	987	711	649	0.47	1.12							1250	Unknown		
53026	MELO-CORR	YES	144371.7		15.9	23.95	39.86	39650	Valve	2976.47	Valve	25490.6	36	0.312	52	0.23	0.07	1.06	0.16	6:20	335	1067	768	649	0.44	1.18							1598	Metal Loss		
53028	CLUSTER	YES	144372		16.16	23.69	39.86	39650	Valve	2976.73	Valve	25490.34	36	0.312	52	0.22	0.07	6.96	0.85	0.2625	335	969	697	649	0.48	1.10							1250	Unknown		
53032	CLUSTER	YES	144372.2		16.33	23.53	39.86	39650	Valve	2976.9	Valve	25490.17	36	0.312	52	0.37	0.12	9.86	1.51	0.235417	335	843	607	649	0.55	1.03							1250	Unknown		
53039	CLUSTER	YES	144372.8		16.93	22.93	39.86	39650	Valve	2977.5	Valve	25489.57	36	0.312	52	0.22	0.07	6.38	1.42	0.260417	335	975	702	649	0.48	1.12							1250	Unknown		
53042	GirthWeld		144395.7		39.86	38.77	38.78	39660	Valve	3000.43	Valve	25466.64	36	0.312	52					2:38	335			649									1250	Unknown		
53043	GirthWeld		144434.5		38.77	39.92	39.92	39670	Valve	3039.2	Valve	25427.87	36	0.312	52					11:34	335			649									1250	Unknown		
53044	GirthWeld		144474.4		39.92	39.8	39.79	39680	Valve	3079.13	Valve	25387.95	36	0.312	52					0.5	335			649									1250	Unknown		
53045	GirthWeld		144514.2		39.79	39.83	39.83	39690	Valve	3118.92	Valve	25348.15	36	0.312	52					0.044444	335			649									1250	Unknown		
53046	GirthWeld		144554		39.83	39.16	39.17	39700	Valve	3158.75	Valve	25308.32	36	0.312	52					0.083333	335			649									1250	Unknown		
53047	GirthWeld		144593.2		39.16	38.81	38.81	39710	Valve	3197.91	Valve	25269.16	36	0.312	52					11:40	335			649									1250	Unknown		
53048	GirthWeld		144632		38.81	39.87	39.87	39720	Valve	3236.72	Valve	25230.35	36	0.312	52					10:58	335			649									1250	Unknown		
53049	GirthWeld		144671.9		39.87	39.79	39.79	39730	Valve	3276.59	Valve	25190.48	36	0.312	52					0.056944	335			649									1250	Unknown		
53050	GirthWeld		144711.7		39.79	39.72	39.72	39740	Valve	3316.38	Valve	25150.69	36	0.312	52					0.540278	335			649									1250	Unknown		
53051	GirthWeld		144751.4		39.72	39.89	39.89	39750	Valve	3356.1	Valve	25110.97	36	0.312	52					0.456944	335			649									1250	Unknown		
53052	GirthWeld		144791.3		39.89	39.26	39.26	39760	Valve	3395.99	Valve	25071.08	36	0.312	52					10:16	335			649									1250	Unknown		
53053	GirthWeld		144830.5		39.26	39.95	39.96	39770	Valve	3435.25	Valve	25031.82	36	0.312	52					1:36	335			649									1250	Unknown		
53055	CLUSTER	YES	144844.2		13.71	26.24	39.96	39770	Valve	3448.96	Valve	25018.11	36	0.312	52	0.15	0.05	6.01	0.60	0.259722	335	1012	729	649	0.46	1.12							1250	Unknown		
53060	CLUSTER	YES	144844.8		14.23	25.73	39.96	39770	Valve	3449.48	Valve	25017.6	36	0.312	52	0.16	0.05	3.85	0.69	0.242361	335	1032	743	649	0.45	1.15							1250	Unknown		
53063	CLUSTER	YES	144850.6		20.1	19.85	39.96	39770	Valve	3455.35	Valve	25011.72	36	0.312	52	0.15	0.05	19.72	2.33	0.23125	335	966	696	649	0.48	1.08							1250	Unknown		
53072	CLUSTER	YES	144854.2		23.66	16.29	39.96	39770	Valve	3458.91	Valve	25008.16	36	0.312	52	0.16	0.05	16.88	3.43	5:45	335	963	693	649	0.48	1.09							1250	Unknown		
53082	MELO-CORR	YES	144855.5		25	14.95	39.96	39770	Valve	3460.25	Valve	25006.82	36	0.312	52	0.17	0.05	1.10	0.32	5:43	335	1069	770	649	0.44	1.19							1598	Metal Loss		
53084	CLUSTER	YES	144856.1		25.53	14.42	39.96	39770	Valve	3460.78	Valve	25006.29	36	0.312	52	0.2	0.06	26.03	6.50	0.238194	335	922	664	649	0.50	1.05							1250	Unknown		
53108	CLUSTER	YES	144858.1		27.56	12.39	39.96	39770	Valve	3462.81	Valve	25004.26	36	0.312	52	0.18	0.06	5.20	0.41	0.236111	335	1008	726	649	0.46	1.13							1250	Unknown		
53111	CLUSTER	YES	144860.1		29.53	10.42	39.96	39770	Valve	3464.78	Valve	25002.29	36	0.312	52	0.16	0.05	19.09	2.26	0.238194	335	959	691	649	0.48	1.08							1250	Unknown		
53115	CLUSTER	YES	144860.4		29.91	10.05	39.96	39770	Valve	3465.16	Valve	25001.91	36	0.312	52	0.17	0.05	33.32	4.96	5:47	335	940	677	649	0.49	1.07							1250	Unknown		
53136	GirthWeld		144870.5		39.95	40.02	40.02	39780	Valve	3475.2	Valve	24991.87	36	0.312	52					2:30	335			649									1250	Unknown		
53137	MELO-CORR	YES	144875.6		5.08	34.94	40.02	39780	Valve	3480.28	Valve	24986.79	36	0.312	52	0.15	0.05	0.87	0.32	0.277083	335	1071	771	649	0.43	1.19							1598	Metal Loss		
53139	CLUSTER	YES	144878.7		8.21	31.82	40.02	39780	Valve	3483.41	Valve	24983.66	36	0.312	52	0.16	0.05	4.43	1.20	0.253472	335	1025	738	649	0.45	1.15							1250	Unknown		
53142	MELO-CORR	YES	144879.2		8.77	31.26	40.02	39780	Valve	3483.97	Valve	24983.1	36	0.312	52	0.15	0.05	1.30	0.51	0.24375	335	1068	769	649	0.44	1.18							1598	Metal Loss		
53144	CLUSTER	YES	144882.7		12.24	27.78	40.02	39780	Valve	3487.45	Valve	24979.63	36	0.312	52	0.15	0.05	4.37	0.94	6:01	335	1029	741	649	0.45	1.14							1250	Unknown		
53148	CLUSTER	YES	144883.6		13.15	26.88	40.02	39780	Valve	3488.35	Valve	24978.72	36	0.312	52	0.17	0.05	5.71	2.80	6:23	335	1006	725	649	0.46	1.13							1250	Unknown		
53151	CLUSTER	YES	144883.8		13.37	26.65	40.02	39780	Valve	3488.57	Valve	24978.5	36	0.312	52	0.25	0.08	14.94	2.48	0.24375	335	901	649	649	0.52	1.03							1250	Unknown		
53165	CLUSTER	YES	144887.7		17.26	22.77	40.02	39780	Valve	3492.46	Valve	24974.61	36	0.312	52	0.19	0.06	3.14	0.54	0.233333	335	1035	745	649	0.45	1.16							1250	Unknown		
53168	CLUSTER	YES	144899.6		29.15	10.88	40.02	39780	Valve	3504.35	Valve	24962.72	36	0.312	52	0.15	0.05	7.45	3.58	0.243056	335	1001	721	649	0.46	1.11							1250	Unknown		
53176	GirthWeld		144910.5		40.02	39.85	39.85	39790	Valve	3515.22	Valve	24951.85	36	0.312	52					10:08	335			649									1250	Unknown		
53177	GirthWeld		144950.3		39.85	39.78	39.78	39800	Valve	3555.07	Valve	24912	36	0.312	52					10:26	335			649									1250	Unknown		
53178	GirthWeld		144990.1		39.78	39.14	39.13	39810	Valve	3594.85	Valve	24872.22	36	0.312	52					0.069444	335			649									1250	Unknown		
53179	GirthWeld		145029.3		39.14	39.58	39.58	39820	Valve	3633.99	Valve	24833.08	36	0.312	52					0.540278	335			649									1250	Unknown		
53180	GirthWeld		145068.8		39.58	39.9	39.9	39830	Valve	3673.57	Valve	24793.5	36	0.312	52					0.440278	335			649									1250	Unknown		
53181	GirthWeld		145108.7		39.9	39.24	39.24	39840	Valve	3713.47	Valve	24753.6	36	0.312	52					11:22	335			649									1250	Unknown		
53182	GirthWeld		145148		39.24	39.81	39.81	39850	Valve	3752.71	Valve	24714.36	36	0.312	52					2:22	335			649									1250	Unknown		
53183	GirthWeld		145187.8		39.81	38.79	38.79	39860	Valve	3792.52	Valve	24674.55	36	0.312	52					0.080556	335			649									1250	Unknown		
53185	CLUSTER	YES	145198		10.25	28.54	38.79	39860	Valve	3802.77	Valve	24664.3	36	0.312	52	0.19	0.06	2.35	2.01	0.251389	335	1049	755	649	0.44	1.17							1250	Unknown		
53189	CLUSTER	YES	145199		11.22	27.57	38.79	39860	Valve	3803.74	Valve	24663.33	36	0.312	52	0.18	0.06	13.16	2.01	0.252778	335	957	689	649	0.49	1.08							1250	Unknown		
53200	CLUSTER	YES	145201.4		13.65	25.14	38.79	39860	Valve	3806.17	Valve	24660.9	36	0.312	52	0.18	0.06	4.56	1.70	6:04	335	1016	732	649	0.46	1.13							1250	Unknown		
53206	CLUSTER	YES	145204.5		16.68	22.11	38.79	39860	Valve	3809.2	Valve	24657.87	36	0.312	52	0.16	0.05	3.83	0.97	6:07	335	1033	744	649	0.45	1.14							1250	Unknown		
53210	CLUSTER	YES	145205.2		17.39	21.4	38.79	39860	Valve	3809.91	Valve	24657.16	36	0.312	52	0.26	0.08	8.59	1.70	0.254167	335	929	669	649	0.50	1.06							1250	Unknown		
53218	CLUSTER	YES	145208.7		20.9	17.88	38.79	39860	Valve	3813.43	Valve	24653.64	36	0.312	52	0.16

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
		(feet)	(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
53264	MIFE	n/a	145399		15.84	23.86	39.71	39910	Valve	4003.71	Valve	24463.36	36	0.312	52					9:59	335			649									2167	Mill Anomaly		
53265	LWFE-MIFE	n/a	145400.9		17.79	21.92	39.71	39910	Valve	4005.66	Valve	24461.41	36	0.312	52	0.23	0.07	0.94	0.24	9:40	335			649									3421	Mill Wall Thinning		
53267	CLUSTER	YES	145406.9		23.75	15.96	39.71	39910	Valve	4011.62	Valve	24455.45	36	0.312	52	0.21	0.07	4.00	0.66	0.240278	335	1015	731	649	0.46	1.13							1250	Unknown		
53270	CLUSTER	YES	145407.7		24.57	15.14	39.71	39910	Valve	4012.44	Valve	24454.63	36	0.312	52	0.17	0.05	3.47	0.94	0.25625	335	1035	745	649	0.45	1.15							1250	Unknown		
53273	CLUSTER	YES	145410.1		27	12.7	39.71	39910	Valve	4014.87	Valve	24452.2	36	0.312	52	0.15	0.05	9.90	0.69	0.241667	335	988	712	649	0.47	1.10							1250	Unknown		
53277	CLUSTER	YES	145412		28.9	10.8	39.71	39910	Valve	4016.77	Valve	24450.3	36	0.312	52	0.16	0.05	42.32	4.84	5:48	335	944	680	649	0.49	1.06							1250	Unknown		
53305	CLUSTER	YES	145415.7		32.58	7.12	39.71	39910	Valve	4020.45	Valve	24446.62	36	0.312	52	0.2	0.06	23.75	4.40	5:50	335	924	665	649	0.50	1.07							1250	Unknown		
53324	CLUSTER	YES	145418		34.81	4.89	39.71	39910	Valve	4022.68	Valve	24444.39	36	0.312	52	0.19	0.06	13.51	4.59	0.241667	335	949	683	649	0.49	1.08							1250	Unknown		
53337	CLUSTER	YES	145419.5		36.36	3.35	39.71	39910	Valve	4024.23	Valve	24442.84	36	0.312	52	0.16	0.05	15.79	4.34	0.244444	335	965	694	649	0.48	1.09							1250	Unknown		
53351	CLUSTER	YES	145421		37.88	1.83	39.71	39910	Valve	4025.75	Valve	24441.32	36	0.312	52	0.23	0.07	20.52	3.43	0.246528	335	904	651	649	0.51	1.07							1250	Unknown		
53354	MELO-CORR	YES	145421.4		38.22	1.49	39.71	39910	Valve	4026.09	Valve	24440.98	36	0.312	52	0.19	0.06	1.10	0.43	6:27	335	1068	769	649	0.44	1.19							1598	Metal Loss		
53360	MELO-CORR	YES	145421.9		38.8	0.91	39.71	39910	Valve	4026.67	Valve	24440.4	36	0.312	52	0.16	0.05	1.10	0.35	6:16	335	1069	770	649	0.44	1.19							1598	Metal Loss		
53367	GirthWeld		145422.9		39.71	40.1	40.11	39920	Valve	4027.58	Valve	24439.49	36	0.312	52					0.418056	335			649									1250	Unknown		
53369	CLUSTER	YES	145423.1		0.21	39.89	40.11	39920	Valve	4027.79	Valve	24439.28	36	0.312	52	0.17	0.05	4.56	0.82	0.256944	335	1020	734	649	0.46	1.14							1250	Unknown		
53371	CLUSTER	YES	145423.1		0.27	39.84	40.11	39920	Valve	4027.85	Valve	24439.22	36	0.312	52	0.25	0.08	28.91	8.92	0.232639	335	879	633	649	0.53	1.06							1250	Unknown		
53404	MELO-CORR	YES	145425.5		2.6	37.5	40.11	39920	Valve	4030.18	Valve	24436.89	36	0.312	52	0.18	0.06	1.10	0.39	6:37	335	1068	769	649	0.44	1.19							1598	Metal Loss		
53406	CLUSTER	YES	145426.6		3.73	36.37	40.11	39920	Valve	4031.31	Valve	24435.76	36	0.312	52	0.17	0.05	1.16	0.82	6:08	335	1068	769	649	0.44	1.18							1250	Unknown		
53409	CLUSTER	YES	145427.4		4.52	35.58	40.11	39920	Valve	4032.1	Valve	24434.97	36	0.312	52	0.28	0.09	39.43	4.27	0.261806	335	845	608	649	0.55	1.03							1250	Unknown		
53421	CLUSTER	YES	145428.9		5.99	34.11	40.11	39920	Valve	4033.58	Valve	24433.49	36	0.312	52	0.3	0.09	17.56	3.61	0.226389	335	856	616	649	0.54	1.05							1250	Unknown		
53447	CLUSTER	YES	145435.7		12.89	27.21	40.11	39920	Valve	4040.47	Valve	24426.6	36	0.312	52	0.15	0.05	6.01	0.91	0.267361	335	1012	729	649	0.46	1.12							1250	Unknown		
53451	MELO-CORR	YES	145459.3		36.4	3.7	40.11	39920	Valve	4063.98	Valve	24403.09	36	0.312	52	0.19	0.06	1.14	0.16	5:52	335	1068	769	649	0.44	1.18							1598	Metal Loss		
53453	CLUSTER	YES	145459.6		36.74	3.37	40.11	39920	Valve	4064.32	Valve	24402.75	36	0.312	52	0.15	0.05	4.31	0.60	5:58	335	1030	742	649	0.45	1.14							1250	Unknown		
53455	GirthWeld		145463		40.1	36.28	36.28	39930	Valve	4067.68	Valve	24399.39	36	0.312	52					0:1	335			649									1250	Unknown		
53456	GirthWeld		145499.2		36.28	39.82	39.81	39940	Valve	4103.96	Valve	24363.11	36	0.312	52					0.084722	335			649									1250	Unknown		
53457	GirthWeld		145539.1		39.82	39.8	39.8	39950	Valve	4143.78	Valve	24323.29	36	0.312	52					0.131944	335			649									1250	Unknown		
53458	GirthWeld		145578.9		39.8	39.83	39.83	39960	Valve	4183.58	Valve	24283.49	36	0.312	52					4:06	335			649									1250	Unknown		
53459	GirthWeld		145618.7		39.83	39.76	39.76	39970	Valve	4223.41	Valve	24243.66	36	0.312	52					12:00	335			649									1250	Unknown		
53460	GirthWeld		145658.4		39.76	39.74	39.74	39980	Valve	4263.17	Valve	24203.9	36	0.312	52					0.058333	335			649									1250	Unknown		
53461	GirthWeld		145698.2		39.74	39.76	39.75	39990	Valve	4302.91	Valve	24164.16	36	0.312	52					0.090278	335			649									1250	Unknown		
53462	GirthWeld		145737.9		39.76	39.75	39.75	40000	Valve	4342.67	Valve	24124.4	36	0.312	52					0.135417	335			649									1250	Unknown		
53463	GirthWeld		145777.7		39.74	39.01	39.01	40010	Valve	4382.42	Valve	24084.65	36	0.312	52					11:22	335			649									1250	Unknown		
53464	GirthWeld		145816.7		39	39.75	39.75	40020	Valve	4421.42	Valve	24045.65	36	0.312	52					12:14	335			649									1250	Unknown		
53465	GirthWeld		145856.4		39.75	39.91	39.91	40030	Valve	4461.17	Valve	24005.9	36	0.312	52					0.454167	335			649									1250	Unknown		
53466	GirthWeld		145896.4		39.91	38.66	38.65	40040	Valve	4501.08	Valve	23965.99	36	0.312	52					0.469444	335			649									1250	Unknown		
53467	GirthWeld		145935		38.66	38.76	38.77	40050	Valve	4539.74	Valve	23927.33	36	0.312	52					0.047222	335			649									1250	Unknown		
53468	GirthWeld		145973.8		38.76	39.83	39.83	40060	Valve	4578.51	Valve	23888.57	36	0.312	52					11:46	335			649									1250	Unknown		
53469	GirthWeld		146013.6		39.83	39.27	39.27	40070	Valve	4618.33	Valve	23848.74	36	0.312	52					11:24	335			649									1250	Unknown		
53470	GirthWeld		146052.9		39.27	39.56	39.56	40080	Valve	4657.6	Valve	23809.47	36	0.312	52					0.045833	335			649									1250	Unknown		
53471	GirthWeld		146092.4		39.56	39.16	39.16	40090	Valve	4697.16	Valve	23769.91	36	0.312	52					0.084722	335			649									1250	Unknown		
53472	GirthWeld		146131.6		39.16	39.78	39.78	40100	Valve	4736.32	Valve	23730.75	36	0.312	52					0.479167	335			649									1250	Unknown		
53473	GirthWeld		146171.4		39.78	39.87	39.87	40110	Valve	4776.1	Valve	23690.97	36	0.312	52					10:50	335			649									1250	Unknown		
53474	GirthWeld		146211.2		39.87	38.3	38.29	40120	Valve	4815.97	Valve	23651.1	36	0.312	52					1:56	335			649									1250	Unknown		
53475	MIFE	n/a	146249.1		37.86	0.43	38.29	40120	Valve	4853.83	Valve	23613.24	36	0.312	52					0.085417	335			649								near seam weld	2167	Mill Anomaly		
53476	GirthWeld		146249.5		38.3	39.79	39.79	40130	Valve	4854.27	Valve	23612.8	36	0.312	52					0.113889	335			649									1250	Unknown		
53478	CLUSTER	YES	146271.9		22.38	17.41	39.79	40130	Valve	4876.65	Valve	23590.42	36	0.312	52	0.19	0.06	6.36	0.76	0.238889	335	990	713	649	0.47	1.11							1250	Unknown		
53481	CLUSTER	YES	146272.9		23.36	16.42	39.79	40130	Valve	4877.63	Valve	23589.44	36	0.312	52	0.32	0.10	7.22	0.94	5:45	335	909	654	649	0.51	1.10							1250	Unknown		
53485	MELO-CORR	YES	146279.3		29.8	9.98	39.79	40130	Valve	4884.07	Valve	23583	36	0.312	52	0.15	0.05	1.73	0.47	5:47	335	1063	765	649	0.44	1.18							1598	Metal Loss		
53486	MELO-CORR	YES	146281.9		32.39	7.39	39.79	40130	Valve	4886.66	Valve	23580.41	36	0.312	52	0.25	0.08	1.10	0.20	0.241667	335	1065	767	649	0.44	1.18							1598	Metal Loss		
53488	CLUSTER	YES	146282.2		32.67	7.11	39.79	40130	Valve	4886.95	Valve	23580.13	36	0.312	52	0.32	0.10	11.94	1.92	0.257639	335	863	622	649	0.54	1.05							1250	Unknown		
53496	MELO-CORR	YES	146283.1		33.53	6.26	39.79	40130	Valve	4887.8	Valve	23579.27	36	0.312	52	0.25	0.08	1.53	0.32	0.243056	335	1058	761	649	0.44	1.18							1598	Metal Loss		
53499	CLUSTER	YES	146283.8		34.26	5.53	39.79	40130	Valve	4888.53	Valve	23578.54	36	0.312	52	0.29	0.09	3.30	1.01	5:45	335	1005	724	649	0.46	1.12							1250	Unknown		
53502	CLUSTER	YES	146286.9		37.39	2.4	39.79	40130	Valve	4891.66	Valve	23575.41	36	0.312	52	0.18	0.06	4.80	1.86	5:45	335	1013	729	649	0.46	1.14							1250	Unknown		
53506	GirthWeld		146289.3		39.79	39.77	39.77	40140	Valve	4894.06	Valve	23573.01	36	0.312	52					0.123611	335			649									1250	Unknown		
53508	CLUSTER	YES	146289.9		0.54	39.22	39.77	40140	Valve	4894.6	Valve	23572.47	36	0.312	52	0.18	0.06	6.16	1.13	0.24375	335	997	718	649	0.47	1.11							1250	Unknown		
53514	MELO-CORR	YES	146290.5		1.16	38.6	39.77	40140	Valve	4895.22	Valve	23571.85	36	0.312	52	0.15	0.05	2.91	0.83	0.249306	335	1048	754	649	0.44	1.16							1598	Metal Loss		
53515	GirthWeld		146329.1		39.77	39.84	39.84	40150	Valve	4933.83	Valve	23533.24	36	0.312	52					10:22	335			649									1250	Unknown		
53516	GirthWeld		146368.9		39.83	39.8	39.8	40160	Valve	4973.67	Valve	23493.4	36	0.312	52					11:24	335			649									1250	Unknown		
53517	GirthWeld		146408.7		39.79	39.89	39.89	40170	Valve	5013.46	Valve	23453.61	36	0.312	52					0.419444	335			649									1250	Unknown		
53518	GirthWeld		146448.6		39.89	39.68	39.67	40180	Valve	5053.35	Valve	23413.72	36	0.312	52					0.465278	335			649									1250	Unknown		
53519	GirthWeld		146488.3		39.68	39.95	39.95	40190	Valve	5093.03	Valve	23374.04	36	0.312	52					0.077778	335			649									1250	Unknown		
53520	GirthWeld		146528.3		39.95	39.8	39.8	40200	Valve	5132.98	Valve	23334.09	36	0.312	52					1:06	335			649									1250	Unknown		
53521	GirthWeld		146568.1		39.8	39.84	39.84	40210	Valve	5172.78	Valve	23294.29	36	0.312	52					11:26	335			649									1250	Unknown		
53522	GirthWeld		146607.9		39.84	39.77	39.76	40220	Valve	5212.62	Valve	23254.45	36	0.312	52					0.538889	335			649									1250	Unknown		
53523	GirthWeld		146647.7		39.77	39.82	39.82	40230	Valve	5252.39	Valve	23214.68	36	0.312	52					0.441667	335			649									1250	Unknown		
53524	GirthWeld		146687.5		39.82	39.58	39.58	40240	Valve	5292.21	Valve	23174.86	36	0.312	52					0.480556	335			649									1250	Unknown		
53525	MELO-CORR	YES	146714.4		26.93	12.65	39.58	40240	Valve	5319.14	Valve	23147.93	36	0.312	52	0.21	0.07	2.87	0.83	5:52	335	1036	746	649	0.45	1.15							1598	Metal Loss		
53526	GirthWeld		146727.1		39.58	39.86	39.86	40250	Valve	5331.79	Valve	23135.28	36	0.312	52					2:07	335			649									1250	Unknown		
53527	GirthWeld		146766.9		39.86	39.81	39.81	40260	Valve	5371.65	Valve	23095.42	36	0.312	52					0.540972	335			649									1250	Unknown		
53529	CLUSTER	YES	146770.8		3.91	35.9	39.81	40260	Valve	5375.56	Valve	23091.51	36	0.312	52	0.15	0.05	9.52	1.51	0.239583	335	990	713	649	0.47	1.11							1250	Unknown		
53533	GirthWeld		146806.7		39.81	39.82	39.82	40270	Valve	5411.46	Valve	23055.61	36	0.312	52					0.479167	335			649									1250	Unknown		
53535	CLUSTER	YES	146808.9		2.14	37.68	39.82	40270	Valve	5413.6	Valve	23053.47	36	0.312	52	0.18	0.06	13.39	1.10	5:53	335	956	688	649	0.49	1.09							1250	Unknown		
53541	CLUSTER	YES	146815		8.26	31.56	39.82	40270	Valve	5419.72	Valve	23047.35	36	0.312	52	0.16	0.05	12.13	1.10	5:54	335	974	701	649	0.48	1.09							1250	Unknown		
53547	CLUSTER	YES	146839.7		32.96	6.85	39.82	40270	Valve	5444.42	Valve	23022.65	36	0.312	52	0.24	0.08	9.34	3.58	0.244444	335	936	674	649	0.50	1.10							1250	Unknown		
53553	CLUSTER	YES	146843.3		36.54	3.28	39.82	40270	Valve	5448	Valve	23019.07	36	0.312	52	0.16	0.05	4.57	0.47	0.242361	335	1023	737	649	0.45	1.14							1250	Unknown		
53556	GirthWeld		146846.6		39.82	39.77	39.77	40280	Valve	5451.28	Valve	23015.79	36	0.312	52					0.452778	335			649									1250	Unknown		
53557	GirthWeld		146886.3		39.77	39.83	39.83	40290	Valve	5491.05	Valve	22976.02	36	0.312	52					1:00	335			649									1250	Unknown		
53558	GirthWeld		146926.2		39.83	39.78	39.78	40300	Valve	5530.88	Valve	22936.19	36	0.312	52					2:10	335			649									1250	Unknown		
53559	LWFE	n/a	146956.7		30.58	9.19	39.78	40300	Valve	5561.46	Valve	22905.61	36	0.312	52					0.089583	335			649									2168	seam weld anomaly		
53560	GirthWeld		146965.9		39.78	39.86	39.86	40310	Valve	5570.66	Valve	22896.41	36	0.312	52					0:5	335			649									1250	Unknown		
53561	GirthWeld		147005.8		39.86	39.1	39.1	40320	Valve	5610.52	Valve	22856.55	36	0.312	52					0.464583	335			649									1250	Unknown		
53562	GirthWeld		147044.9		39.1	39.81	39.81	40330	Valve	5649.62	Valve	22817.45	36	0.312	52					3:18	335			649									1250	Unknown		
53564	CLUSTER	YES	147064.8		19.88	19.93	39.81	40330	Valve	5669.5	Valve	22797.57	36	0.312	52	0.15	0.05	11.72	0.88	6:11	335	981	707	649	0.47	1.10							1250	Unknown		
53571	CLUSTER	YES	147072.3		27.44	12.37	39.81	40330	Valve	5677.06	Valve	22790.01	36	0.312	52	0.18	0.06	13.99	1.98	0.240278	335	955	687	649	0.49	1.08							1250	Unknown		
53577	GirthWeld		147084.7		39.81	37.74	37.74	40340	Valve	5689.43	Valve	22777.64	36	0.312	52					0.097917	335			649									1250	Unknown		
53579	CLUSTER	YES	147105.7		21.02	16.71	37.74	40340	Valve	5710.46	Valve	22756.61	36	0.312	52	0.22	0.07	7.55	1.07	0.274306	335	963	693	649	0.48	1.10							1250	Unknown		
53584	CLUSTER	YES	147111		26.31	11.43	37.74	40340	Valve	5715.74	Valve	22751.33	36	0.312	52	0.17	0.05	5.62	0.91	6:32	335	1007	725	649	0.46	1.12							1250	Unknown		
53588	CLUSTER	YES	147119.2		34.46	3.28	37.74	40340	Valve	5723.89	Valve	22743.18	36	0.312	52	0.16	0.05	4.92	1.23	5:32	335	1019	734	649	0.46	1.14							1250	Unknown		
53590	GirthWeld		147122.4		37.74	20.07	20.07	40350	Valve	5727.17	Valve	22739.9	36	0.312	52					0.494444	335			649									1250	Unknown		
53592	CLUSTER	YES	147122.8		0.34	19.73	20.07	40350	Valve	5727.51	Valve	22739.56	36	0.312	52	0.16	0.05	4.91	0.35	0.285417	335	1019	734	649	0.46	1.14							1250	Unknown		
53594	GirthWeld		147142.5		20.07	12.88	12.88	40360	Valve	5747.24	Valve	22719.83	36	0.312	52					0.438194	335			649									1250	Unknown		
53595	GirthWeld		147155.4		12.88	36.43	36.44	40370	Valve	5760.12	Valve	22706.95	36	0.312	52					10:20	335			649									1250	Unknown		
53597	CLUSTER	YES	147166.5		11.09	25.34	36.44	40370	Valve	5771.21	Valve	22695.86	36	0.312	52	0.15	0.05	6.32	0.57	5:43	335	1010	727	649	0.46	1.12							1250	Unknown		
53601	GirthWeld		147191.8		36.43	37.31	37.3	40380	Valve	5796.55	Valve	22670.52	36	0.312	52					0:5	335			649									1250	Unknown		
53603	CLUSTER	YES	147208.8		17	20.3	37.3	40380	Valve	5813.55	Valve	22653.52	36	0.312	52	0.16	0.05	4.80	0.72	0.255556	335	1021	735	649	0.46	1.14							1250	Unknown		
53606	GirthWeld		147229.1		37.31	39.8	39.81	40390	Valve	5833.86	Valve	22633.21	36	0.312	52					0.529167	335			649									1250	Unknown		
53607	GirthWeld		147268.9		39.8	39.83	39.83	40400	Valve	5873.66	Valve	22593.41	36	0.312	52					9:26	335			649									1250	Unknown		
53608	GirthWeld		147308.8		39.83	38.76	38.76	40410	Valve	5913.49	Valve	22553.58	36	0.312	52					10:10	335			649									1250	Unknown		
53609	GirthWeld		147347.5		38.76	39.82	39.83	40420	Valve	5952.25	Valve	22514.82	36	0.312	52					0.125	335			649									1250	Unknown		
53610	GirthWeld		147387.3		39.82	39.87	39.87	40430	Valve	5992.07	Valve	22475	36	0.312	52					0.097222	335			649									1250	Unknown		
53611	GirthWeld		147427.2		39.87	39.92	39.92	40440	Valve	6031.94	Valve	22435.13	36	0.312	52					0.426389	335			649									1250	Unknown		
53613	CLUSTER	YES	147437.3		10.12	29.8	39.92	40440	Valve	6042.06	Valve	22425.01	36	0.312	52	0.15	0.05	10.73	3.33	5:52	335	985	709	649	0.47	1.10							1250	Unknown		
53617	MELO-CORR	YES	147452.3		25.07	14.85	39.92	40440	Valve	6057.01	Valve	22410.06	36	0.312	52	0.18	0.06	1.10	0.43	5:26	335	1068	769	649	0.44	1.19							1598	Metal Loss		
53618	GirthWeld		147467.1		39.92	39.82	39.82	40450	Valve	6071.86	Valve	22395.21	36	0.312	52					0.380556	335			649									1250	Unknown		
53619	GirthWeld		147507		39.82	39.17	39.17	40460	Valve	6111.68	Valve	22355.39	36	0.312	52					0.111111	335			649									1250	Unknown		
53620	GirthWeld		147546.1		39.17	39.41	39.41	40470	Valve	6150.85	Valve	22316.22	36	0.312	52					0.072222	335			649									1250	Unknown		
53621	GirthWeld		147585.5		39.41	39.29	39.29	40480	Valve	6190.26	Valve	22276.81	36	0.312	52					10:06	335			649									1250	Unknown		
53622	GirthWeld		147624.8		39.29	39.78	39.77	40490	Valve	6229.55	Valve	22237.52	36	0.312	52					9:10	335			649									1250	Unknown		
53623	GirthWeld		147664.6		39.78	39.09	39.1	40500	Valve	6269.33	Valve	22197.74	36	0.312	52					0.098611	335			649									1250	Unknown		
53625	CLUSTER	YES	147699.7		35.09	4	39.1	40500	Valve	6304.42	Valve	22162.65	36	0.312	52	0.2	0.06	17.14	3.52	0.245139	335	933	672	649	0.50	1.08							1250	Unknown		
53637	CLUSTER	YES	147702.2		37.59	1.51	39.1	40500	Valve	6306.92	Valve	22160.15	36	0.312	52	0.22	0.07	14.60	1.48	0.24375	335	924	665	649	0.50	1.06							1250	Unknown		
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Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
53695	CLUSTER	YES	147713		9.26	30.85	40.1	40510	Valve	6317.68	Valve	22149.39	36	0.312	52	0.17	0.05	12.94	3.74	6:06	335	964	694	649	0.48	1.10							1250	Unknown		
53702	CLUSTER	YES	147715		11.28	28.82	40.1	40510	Valve	6319.7	Valve	22147.37	36	0.312	52	0.19	0.06	14.59	4.02	6:24	335	946	681	649	0.49	1.09							1250	Unknown		
53712	CLUSTER	YES	147722.1		18.42	21.68	40.1	40510	Valve	6326.84	Valve	22140.23	36	0.312	52	0.19	0.06	4.96	0.88	0.213889	335	1007	725	649	0.46	1.14							1250	Unknown		
53714	MELO-CORR	YES	147730.8		27.12	12.99	40.1	40510	Valve	6335.54	Valve	22131.53	36	0.312	52	0.16	0.05	1.18	0.24	0.286806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
53715	MELO-CORR	YES	147731.5		27.78	12.32	40.1	40510	Valve	6336.2	Valve	22130.87	36	0.312	52	0.15	0.05	1.10	0.20	0.283333	335	1070	770	649	0.43	1.19							1598	Metal Loss		
53716	MELO-CORR	YES	147735.5		31.81	8.3	40.1	40510	Valve	6340.23	Valve	22126.84	36	0.312	52	0.19	0.06	1.14	0.16	6:42	335	1068	769	649	0.44	1.18							1598	Metal Loss		
53717	GirthWeld		147743.8		40.1	30.84	30.83	40520	Valve	6348.52	Valve	22118.55	36	0.312	52					9:08	335			649									1250	Unknown		
53718	GirthWeld		147774.6		30.84	39.82	39.82	40530	Valve	6379.36	Valve	22087.71	36	0.312	52					0.416667	335			649									1250	Unknown		
53719	GirthWeld		147814.5		39.82	39.34	39.34	40540	Valve	6419.18	Valve	22047.89	36	0.312	52					0.075	335			649									1250	Unknown		
53720	GirthWeld		147853.8		39.34	39.82	39.83	40550	Valve	6458.52	Valve	22008.55	36	0.312	52					0.540278	335			649									1250	Unknown		
53721	GirthWeld		147893.6		39.82	24.75	24.74	40560	Valve	6498.34	Valve	21968.73	36	0.312	52					11:16	335			649									1250	Unknown		
53722	GirthWeld		147918.4		24.75	39.8	39.81	40570	Valve	6523.09	Valve	21943.98	36	0.312	52					10:48	335			649									1250	Unknown		
53723	GirthWeld		147958.2		39.8	39.15	39.14	40580	Valve	6562.89	Valve	21904.18	36	0.312	52					0.469444	335			649									1250	Unknown		
53724	GirthWeld		147997.3		39.15	39.8	39.8	40590	Valve	6602.04	Valve	21865.03	36	0.312	52					0.540278	335			649									1250	Unknown		
53725	GirthWeld		148037.1		39.8	38.33	38.33	40600	Valve	6641.84	Valve	21825.23	36	0.312	52					0.077778	335			649									1250	Unknown		
53726	GirthWeld		148075.4		38.33	39.84	39.84	40610	Valve	6680.17	Valve	21786.9	36	0.312	52					1:26	335			649									1250	Unknown		
53727	GirthWeld		148115.3		39.84	39.43	39.43	40620	Valve	6720.01	Valve	21747.06	36	0.312	52					11:06	335			649									1250	Unknown		
53728	GirthWeld		148154.7		39.43	39.83	39.83	40630	Valve	6759.44	Valve	21707.63	36	0.312	52					0.498611	335			649									1250	Unknown		
53729	GirthWeld		148194.5		39.83	39.56	39.56	40640	Valve	6799.27	Valve	21667.8	36	0.312	52					0.540972	335			649									1250	Unknown		
53730	GirthWeld		148234.1		39.56	36.43	36.44	40650	Valve	6838.83	Valve	21628.24	36	0.312	52					0.081944	335			649									1250	Unknown		
53731	GirthWeld		148270.5		36.43	36.16	36.15	40660	Valve	6875.26	Valve	21591.81	36	0.312	52					11:06	335			649									1250	Unknown		
53732	GirthWeld		148306.7		36.15	39.64	39.64	40670	Valve	6911.42	Valve	21555.65	36	0.312	52					11:40	335			649									1250	Unknown		
53733	GirthWeld		148346.3		39.63	39.82	39.82	40680	Valve	6951.05	Valve	21516.02	36	0.312	52					0.086111	335			649									1250	Unknown		
53734	GirthWeld		148386.1		39.82	39.47	39.47	40690	Valve	6990.87	Valve	21476.2	36	0.312	52					0.047222	335			649									1250	Unknown		
53735	GirthWeld		148425.6		39.47	39.24	39.23	40700	Valve	7030.35	Valve	21436.73	36	0.312	52					0.476389	335			649									1250	Unknown		
53736	GirthWeld		148464.9		39.24	39.77	39.78	40710	Valve	7069.58	Valve	21397.49	36	0.312	52					10:16	335			649									1250	Unknown		
53737	MIFE	n/a	148467.6		2.73	37.05	39.78	40710	Valve	7072.31	Valve	21394.76	36	0.312	52					10:31	335			649									2167	Mill Anomaly		
53739	CLUSTER	YES	148487.2		22.38	17.39	39.78	40710	Valve	7091.96	Valve	21375.11	36	0.312	52	0.15	0.05	4.49	0.57	0.248611	335	1028	740	649	0.45	1.14							1250	Unknown		
53741	GirthWeld		148504.6		39.77	39.84	39.83	40720	Valve	7109.35	Valve	21357.72	36	0.312	52					0.061111	335			649									1250	Unknown		
53742	GirthWeld		148544.5		39.84	39.77	39.78	40730	Valve	7149.19	Valve	21317.88	36	0.312	52					0.108333	335			649									1250	Unknown		
53743	GirthWeld		148584.2		39.77	39.87	39.87	40740	Valve	7188.96	Valve	21278.11	36	0.312	52					11:32	335			649									1250	Unknown		
53744	GirthWeld		148624.1		39.87	39.8	39.8	40750	Valve	7228.83	Valve	21238.24	36	0.312	52					11:00	335			649									1250	Unknown		
53745	GirthWeld		148663.9		39.8	38.8	38.8	40760	Valve	7268.63	Valve	21198.44	36	0.312	52					0.540278	335			649									1250	Unknown		
53746	GirthWeld		148702.7		38.8	39.74	39.73	40770	Valve	7307.43	Valve	21159.64	36	0.312	52					0.076389	335			649									1250	Unknown		
53747	MIFE	n/a	148704.4		1.67	38.07	39.73	40770	Valve	7309.1	Valve	21157.97	36	0.312	52					0.121528	335			649									2167	Mill Anomaly		
53748	GirthWeld		148742.4		39.74	39.87	39.88	40780	Valve	7347.17	Valve	21119.9	36	0.312	52					11:22	335			649									1250	Unknown		
53749	GirthWeld		148782.3		39.87	39.81	39.81	40790	Valve	7387.04	Valve	21080.03	36	0.312	52					11:48	335			649									1250	Unknown		
53750	GirthWeld		148822.1		39.81	39.87	39.87	40800	Valve	7426.85	Valve	21040.22	36	0.312	52					0.076389	335			649									1250	Unknown		
53751	GirthWeld		148862		39.87	39.77	39.77	40810	Valve	7466.72	Valve	21000.35	36	0.312	52					0.041667	335			649									1250	Unknown		
53752	GirthWeld		148901.8		39.77	39.9	39.89	40820	Valve	7506.49	Valve	20960.58	36	0.312	52					0.459722	335			649									1250	Unknown		
53753	GirthWeld		148941.7		39.89	39.8	39.79	40830	Valve	7546.39	Valve	20920.68	36	0.312	52					12:04	335			649									1250	Unknown		
53754	GirthWeld		148981.5		39.79	10.13	10.14	40840	Valve	7586.18	Valve	20880.89	36	0.312	52					1:30	335			649									1250	Unknown		
53755	GirthWeld		148991.6		10.13	27.89	27.88	40850	Valve	7596.31	Valve	20870.76	36	0.312	52					0.506944	335			649									1250	Unknown		
53756	GirthWeld		149019.5		27.89	39.78	39.79	40860	Valve	7624.2	Valve	20842.87	36	0.312	52					0.472222	335			649									1250	Unknown		
53757	GirthWeld		149059.3		39.78	39.84	39.84	40870	Valve	7663.98	Valve	20803.09	36	0.312	52					0.058333	335			649									1250	Unknown		
53758	GirthWeld		149099.1		39.84	39.85	39.84	40880	Valve	7703.82	Valve	20763.25	36	0.312	52					2:22	335			649									1250	Unknown		
53759	GirthWeld		149138.9		39.85	39.86	39.86	40890	Valve	7743.67	Valve	20723.4	36	0.312	52					10:54	335			649									1250	Unknown		
53760	GirthWeld		149178.8		39.85	38.91	38.91	40900	Valve	7783.52	Valve	20683.55	36	0.312	52					0.484722	335			649									1250	Unknown		
53761	GirthWeld		149217.7		38.91	39.98	39.98	40910	Valve	7822.43	Valve	20644.64	36	0.312	52					0.052778	335			649									1250	Unknown		
53762	GirthWeld		149257.7		39.98	39.13	39.13	40920	Valve	7862.41	Valve	20604.66	36	0.312	52					0.072222	335			649									1250	Unknown		
53763	GirthWeld		149296.8		39.13	37.53	37.53	40930	Valve	7901.54	Valve	20565.53	36	0.312	52					10:42	335			649									1250	Unknown		
53764	GirthWeld		149334.3		37.53	39.83	39.83	40940	Valve	7939.07	Valve	20528	36	0.312	52					11:42	335			649									1250	Unknown		
53765	GirthWeld		149374.2		39.83	39.13	39.12	40950	Valve	7978.9	Valve	20488.17	36	0.312	52					0.054167	335			649									1250	Unknown		
53766	GirthWeld		149413.3		39.13	28.94	28.94	40960	Valve	8018.03	Valve	20449.04	36	0.312	52					0.102778	335			649									1250	Unknown		
53767	GirthWeld		149442.2		28.94	39.82	39.82	40970	Valve	8046.97	Valve	20420.1	36	0.312	52					0.486111	335			649									1250	Unknown		
53768	GirthWeld		149482.1		39.82	16.91	16.91	40980	Valve	8086.79	Valve	20380.28	36	0.312	52					11:02	335			649									1250	Unknown		
53769	GirthWeld		149499		16.91	23.93	23.93	40990	Valve	8103.7	Valve	20363.37	36	0.312	52					10:20	335			649									1250	Unknown		
53770	GirthWeld		149522.9		23.93	37.83	37.83	41000	Valve	8127.63	Valve	20339.44	36	0.312	52					0.043056	335			649									1250	Unknown		
53771	GirthWeld		149560.7		37.83	39.74	39.74	41010	Valve	8165.46	Valve	20301.61	36	0.312	52					0.0875	335			649									1250	Unknown		
53772	GirthWeld		149600.5		39.74	39.94	39.93	41020	Valve	8205.2	Valve	20261.87	36	0.312	52					0.469444	335			649									1250	Unknown		
53773	GirthWeld		149640.4		39.93	39.61	39.62	41030	Valve	8245.14	Valve	20221.93	36	0.312	52					10:30	335			649									1250	Unknown		
53774	GirthWeld		149680		39.61	38.64	38.64	41040	Valve	8284.75	Valve	20182.32	36	0.312	52					1:20	335			649									1250	Unknown		
53775	GirthWeld		149718.7		38.64	39.81	39.81	41050	Valve	8323.39	Valve	20143.68	36	0.312	52					0.083333	335			649									1250	Unknown		
53776	GirthWeld		149758.5		39.81	37.4	37.4	41060	Valve	8363.2	Valve	20103.87	36	0.312	52					0.444444	335			649									1250	Unknown		
53777	GirthWeld		149795.9		37.4	39.75	39.75	41070	Valve	8400.6	Valve	20066.47	36	0.312	52					0.4875	335			649									1250	Unknown		
53778	GirthWeld		149835.6		39.75	39.8	39.8	41080	Valve	8440.35	Valve	20026.72	36	0.312	52					12:42	335			649									1250	Unknown		
53779	GirthWeld		149875.4		39.8	39.86	39.87	41090	Valve	8480.15	Valve	19986.92	36	0.312	52					1:28	335			649									1250	Unknown		
53780	GirthWeld		149915.3		39.86	39.75	39.75	41100	Valve	8520.01	Valve	19947.06	36	0.312	52					0.480556	335			649									1250	Unknown		
53781	GirthWeld		149955		39.75	39.35	39.34	41110	Valve	8559.76	Valve	19907.31	36	0.312	52					0.495833	335			649									1250	Unknown		
53782	GirthWeld		149994.4		39.35	39.45	39.45	41120	Valve	8599.11	Valve	19867.96	36	0.312	52					0.066667	335			649									1250	Unknown		
53783	GirthWeld		150033.8		39.44	30.46	30.46	41130	Valve	8638.55	Valve	19828.52	36	0.312	52					1:04	335			649									1250	Unknown		
53784	GirthWeld		150064.3		30.46	39.89	39.89	41140	Valve	8669.01	Valve	19798.06	36	0.312	52					10:10	335			649									1250	Unknown		
53785	GirthWeld		150104.2		39.89	39.88	39.88	41150	Valve	8708.9	Valve	19758.17	36	0.312	52					0.484722	335			649									1250	Unknown		
53786	GirthWeld		150144		39.87	39.86	39.85	41160	Valve	8748.77	Valve	19718.3	36	0.312	52					0.076389	335			649									1250	Unknown		
53787	GirthWeld		150183.9		39.86	39.79	39.8	41170	Valve	8788.63	Valve	19678.44	36	0.312	52					0.102778	335			649									1250	Unknown		
53788	GirthWeld		150223.7		39.79	39.86	39.86	41180	Valve	8828.42	Valve	19638.65	36	0.312	52					10:14	335			649									1250	Unknown		
53789	MELO-CORR	YES	150225.6		1.89	37.97	39.86	41180	Valve	8830.31	Valve	19636.76	36	0.312	52	0.17	0.05	1.22	0.94	5:56	335	1068	769	649	0.44	1.18							1598	Metal Loss		
53790	GirthWeld		150263.6		39.86	39.81	39.81	41190	Valve	8868.28	Valve	19598.79	36	0.312	52					0.472222	335			649									1250	Unknown		
53791	GirthWeld		150303.4		39.82	39.83	39.83	41200	Valve	8908.1	Valve	19558.98	36	0.312	52					0.052778	335			649									1250	Unknown		
53792	GirthWeld		150343.2		39.83	39.8	39.8	41210	Valve	8947.92	Valve	19519.15	36	0.312	52					0.090278	335			649									1250	Unknown		
53793	GirthWeld		150383		39.8	38.4	38.39	41220	Valve	8987.72	Valve	19479.35	36	0.312	52					11:54	335			649									1250	Unknown		
53794	GirthWeld		150421.4		38.4	37.18	37.18	41230	Valve	9026.12	Valve	19440.95	36	0.312	52					11:18	335			649									1250	Unknown		
53795	GirthWeld		150458.6		37.17	39.33	39.33	41240	Valve	9063.3	Valve	19403.77	36	0.312	52					0.531944	335			649									1250	Unknown		
53796	GirthWeld		150497.9		39.33	39.77	39.77	41250	Valve	9102.63	Valve	19364.44	36	0.312	52					0.0625	335			649									1250	Unknown		
53797	GirthWeld		150537.7		39.77	38.84	38.84	41260	Valve	9142.4	Valve	19324.67	36	0.312	52					0.448611	335			649									1250	Unknown		
53798	GirthWeld		150576.5		38.84	39.54	39.54	41270	Valve	9181.24	Valve	19285.83	36	0.312	52					11:40	335			649									1250	Unknown		
53799	GirthWeld		150616.1		39.54	39.59	39.6	41280	Valve	9220.78	Valve	19246.29	36	0.312	52					1:14	335			649									1250	Unknown		
53800	GirthWeld		150655.6		39.6	39.14	39.13	41290	Valve	9260.38	Valve	19206.7	36	0.312	52					0.530556	335			649									1250	Unknown		
53801	GirthWeld		150694.8		39.14	39.86	39.86	41300	Valve	9299.51	Valve	19167.56	36	0.312	52					0.438889	335			649									1250	Unknown		
53802	GirthWeld		150734.6		39.86	39.77	39.76	41310	Valve	9339.37	Valve	19127.7	36	0.312	52					0.470833	335			649									1250	Unknown		
53803	GirthWeld		150774.4		39.76	33.61	33.61	41320	Valve	9379.14	Valve	19087.93	36	0.312	52					12:40	335			649									1250	Unknown		
53804	GirthWeld		150808		33.61	39.7	39.7	41330	Valve	9412.75	Valve	19054.32	36	0.312	52					1:38	335			649									1250	Unknown		
53805	GirthWeld		150847.7		39.7	39.37	39.37	41340	Valve	9452.45	Valve	19014.62	36	0.312	52					0.4375	335			649									1250	Unknown		
53806	GirthWeld		150887.1		39.37	39.25	39.25	41350	Valve	9491.82	Valve	18975.25	36	0.312	52					0.486111	335			649									1250	Unknown		
53807	GirthWeld		150926.3		39.25	26.9	26.9	41360	Valve	9531.07	Valve	18936	36	0.312	52					0.5375	335			649									1250	Unknown		
53808	GirthWeld		150953.2		26.9	38.95	38.95	41370	Valve	9557.97	Valve	18909.1	36	0.312	52					1:30	335			649									1250	Unknown		
53809	GirthWeld		150992.2		38.95	39.81	39.81	41380	Valve	9596.92	Valve	18870.15	36	0.312	52					11:22	335			649									1250	Unknown		
53810	GirthWeld		151032		39.81	39.2	39.2	41390	Valve	9636.73	Valve	18830.34	36	0.312	52					0.434722	335			649									1250	Unknown		
53811	GirthWeld		151071.2		39.2	35.19	35.19	41400	Valve	9675.93	Valve	18791.14	36	0.312	52					0.043056	335			649									1250	Unknown		
53812	MELO-CORR	YES	151083.9		12.71	22.47	35.19	41400	Valve	9688.64	Valve	18778.43	36	0.312	52	0.28	0.09	1.02	0.20	0.240972	335	1065	767	649	0.44	1.18							1598	Metal Loss		
53813	GirthWeld		151106.4		35.19	39.84	39.85	41410	Valve	9711.12	Valve	18755.95	36	0.312	52					2:04	335			649									1250	Unknown		
53814	GirthWeld		151146.2		39.84	39.81	39.81	41420	Valve	9750.96	Valve	18716.11	36	0.312	52					11:26	335			649									1250	Unknown		
53815	GirthWeld		151186		39.81	38.82	38.82	41430	Valve	9790.77	Valve	18676.3	36	0.312	52					0.458333	335			649									1250	Unknown		
53816	GirthWeld		151224.9		38.82	39.75	39.75	41440	Valve	9829.59	Valve	18637.48	36	0.312	52					0.536111	335			649									1250	Unknown		
53817	GirthWeld		151264.6		39.75	39.67	39.67	41450	Valve	9869.34	Valve	18597.73	36	0.312	52					0.076389	335			649									1250	Unknown		
53818	GirthWeld		151304.3		39.67	39.6	39.6	41460	Valve	9909.01	Valve	18558.06	36	0.312	52					11:26	335			649									1250	Unknown		
53819	GirthWeld		151343.9		39.6	39.87	39.87	41470	Valve	9948.61	Valve	18518.46	36	0.312	52					10:40	335			649									1250	Unknown		
53820	GirthWeld		151383.8		39.87	39.23	39.23	41480	Valve	9988.48	Valve	18478.59	36	0.312	52					0.052778	335			649									1250	Unknown		
53821	GirthWeld		151423		39.23	33.97	33.97	41490	Valve	10027.71	Valve	18439.36	36	0.312	52					0.534722	335			649									1250	Unknown		
53822	GirthWeld		151457		33.97	39.81	39.81	41500	Valve	10061.68	Valve	18405.39	36	0.312	52					0.486111	335			649									1250	Unknown		
53823	GirthWeld		151496.8		39.81	39.8	39.8	41510	Valve	10101.49	Valve	18365.58	36	0.312	52					10:56	335			649									1250	Unknown		
53824	GirthWeld		151536.6		39.8	39.74	39.74	41520	Valve	10141.29	Valve	18325.78	36	0.312	52					2:26	335			649									1250	Unknown		
53825	GirthWeld		151576.3		39.74	39.43	39.43	41530	Valve	10181.03	Valve	18286.04	36	0.312	52					0.075	335			649									1250	Unknown		
53826	GirthWeld		151615.7		39.43	39.1	39.11	41540	Valve	10220.46	Valve	18246.61	36	0.312	52					0.520833	335			649									1250	Unknown		
53827	GirthWeld		151654.8		39.1	39.42	39.42	41550	Valve	10259.56	Valve	18207.51	36	0.312	52					0.486111	335			649									1250	Unknown		
53828	GirthWeld		151694.3		39.42	39.74	39.74	41560	Valve	10298.98	Valve	18168.09	36	0.312	52					1:20	335			649									1250	Unknown		
53829	GirthWeld		151734		39.74	39.73	39.73	41570	Valve	10338.72	Valve	18128.35	36	0.312	52					12:16	335			649									1250	Unknown		
53830	GirthWeld		151773.7		39.73	38.9	38.9	41580	Valve	10378.45	Valve	18088.62	36	0.312	52					0.359722	335			649									1250	Unknown		
53831	GirthWeld		151812.6		38.9	39.72	39.72	41590	Valve	10417.35	Valve	18049.72	36	0.312	52					0.413889	335			649									1250	Unknown		
53832	GirthWeld		151852.3		39.72	39.87	39.87	41600	Valve	10457.07	Valve	18010	36	0.312	52					0.111111	335			649									1250	Unknown		

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
53834	CLUSTER	YES	151880		27.62	12.25	39.87	41600	Valve	10484.69	Valve	17982.38	36	0.312	52	0.15	0.05	12.17	3.83	5:47	335	980	706	649	0.47	1.10							1250	Unknown		
53844	CLUSTER	YES	151882		29.64	10.23	39.87	41600	Valve	10486.71	Valve	17980.36	36	0.312	52	0.19	0.06	9.96	1.29	6:08	335	963	694	649	0.48	1.09							1250	Unknown		
53849	MELO-CORR	YES	151884		31.64	8.23	39.87	41600	Valve	10488.71	Valve	17978.36	36	0.312	52	0.16	0.05	1.10	0.16	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
53850	MELO-CORR	YES	151884.9		32.58	7.29	39.87	41600	Valve	10489.65	Valve	17977.42	36	0.312	52	0.16	0.05	1.10	0.20	0.259028	335	1069	770	649	0.44	1.19							1598	Metal Loss		
53851	MELO-CORR	YES	151885.1		32.76	7.11	39.87	41600	Valve	10489.83	Valve	17977.24	36	0.312	52	0.15	0.05	1.10	0.39	0.259028	335	1070	770	649	0.43	1.19							1598	Metal Loss		
53853	CLUSTER	YES	151885.5		33.2	6.67	39.87	41600	Valve	10490.27	Valve	17976.8	36	0.312	52	0.16	0.05	18.89	1.42	6:08	335	960	691	649	0.48	1.09							1250	Unknown		
53855	CLUSTER	YES	151885.5		33.2	6.67	39.87	41600	Valve	10490.27	Valve	17976.8	36	0.312	52	0.16	0.05	18.65	1.60	5:45	335	960	691	649	0.48	1.08							1250	Unknown		
53871	CLUSTER	YES	151888		35.61	4.26	39.87	41600	Valve	10492.68	Valve	17974.39	36	0.312	52	0.2	0.06	18.05	1.64	0.238889	335	931	670	649	0.50	1.07							1250	Unknown		
53874	CLUSTER	YES	151888		35.64	4.23	39.87	41600	Valve	10492.71	Valve	17974.36	36	0.312	52	0.18	0.06	15.60	1.73	0.254861	335	951	684	649	0.49	1.08							1250	Unknown		
53892	CLUSTER	YES	151889.5		37.12	2.75	39.87	41600	Valve	10494.19	Valve	17972.88	36	0.312	52	0.16	0.05	8.30	1.32	0.255556	335	991	713	649	0.47	1.11							1250	Unknown		
53898	GirthWeld		151892.2		39.87	39.58	39.58	41610	Valve	10496.94	Valve	17970.13	36	0.312	52					1:53	335			649									1250	Unknown		
53900	CLUSTER	YES	151893.2		0.99	38.58	39.58	41610	Valve	10497.93	Valve	17969.14	36	0.312	52	0.15	0.05	8.46	2.20	6:04	335	995	717	649	0.47	1.11							1250	Unknown		
53907	CLUSTER	YES	151896.6		4.36	35.22	39.58	41610	Valve	10501.3	Valve	17965.77	36	0.312	52	0.16	0.05	17.29	4.56	0.238889	335	962	693	649	0.48	1.08							1250	Unknown		
53915	MELO-CORR	YES	151897.9		5.68	33.9	39.58	41610	Valve	10502.62	Valve	17964.45	36	0.312	52	0.15	0.05	1.10	0.20	0.291667	335	1070	770	649	0.43	1.19							1598	Metal Loss		
53917	CLUSTER	YES	151899.9		7.64	31.93	39.58	41610	Valve	10504.58	Valve	17962.49	36	0.312	52	0.15	0.05	5.06	2.17	0.261806	335	1021	735	649	0.46	1.14							1250	Unknown		
53921	CLUSTER	YES	151910.3		18.07	21.51	39.58	41610	Valve	10515.01	Valve	17952.06	36	0.312	52	0.16	0.05	14.52	1.73	6:44	335	967	696	649	0.48	1.09							1250	Unknown		
53928	CLUSTER	YES	151918		25.77	13.81	39.58	41610	Valve	10522.71	Valve	17944.36	36	0.312	52	0.24	0.08	12.58	1.57	6:43	335	917	660	649	0.51	1.06							1250	Unknown		
53932	CLUSTER	YES	151918.5		26.32	13.26	39.58	41610	Valve	10523.26	Valve	17943.81	36	0.312	52	0.17	0.05	14.32	1.73	0.226389	335	961	692	649	0.48	1.08							1250	Unknown		
53941	CLUSTER	YES	151920.6		28.42	11.15	39.58	41610	Valve	10525.36	Valve	17941.71	36	0.312	52	0.19	0.06	10.20	2.14	0.232639	335	962	693	649	0.48	1.09							1250	Unknown		
53950	CLUSTER	YES	151925.3		33.04	6.54	39.58	41610	Valve	10529.98	Valve	17937.09	36	0.312	52	0.21	0.07	12.55	1.51	0.232639	335	938	676	649	0.50	1.10							1250	Unknown		
53960	CLUSTER	YES	151930.2		37.94	1.63	39.58	41610	Valve	10534.88	Valve	17932.19	36	0.312	52	0.15	0.05	10.67	0.57	5:45	335	985	709	649	0.47	1.09							1250	Unknown		
53965	GirthWeld		151931.8		39.58	39.83	39.83	41620	Valve	10536.52	Valve	17930.55	36	0.312	52					1:58	335			649									1250	Unknown		
53967	CLUSTER	YES	151940.2		8.41	31.42	39.83	41620	Valve	10544.93	Valve	17922.14	36	0.312	52	0.15	0.05	5.29	0.60	0.239583	335	1019	734	649	0.46	1.13							1250	Unknown		
53971	CLUSTER	YES	151942.8		11	28.83	39.83	41620	Valve	10547.52	Valve	17919.55	36	0.312	52	0.16	0.05	6.35	0.97	0.240278	335	1005	724	649	0.46	1.12							1250	Unknown		
53975	GirthWeld		151971.6		39.83	39.17	39.17	41630	Valve	10576.35	Valve	17890.72	36	0.312	52					0.063889	335			649									1250	Unknown		
53976	GirthWeld		152010.8		39.17	29.39	29.39	41640	Valve	10615.52	Valve	17851.55	36	0.312	52					12:26	335			649									1250	Unknown		
53977	GirthWeld		152040.2		29.39	8.85	8.86	41650	Valve	10644.91	Valve	17822.16	36	0.312	52					11:44	335			649									1250	Unknown		
53978	GirthWeld		152049		8.85	39.65	39.65	41660	Valve	10653.76	Valve	17813.31	36	0.312	52					0.5	335			649									1250	Unknown		
53979	GirthWeld		152088.7		39.65	38.74	38.73	41670	Valve	10693.41	Valve	17773.66	36	0.312	52					0.397222	335			649									1250	Unknown		
53980	GirthWeld		152127.4		38.74	39.9	39.9	41680	Valve	10732.15	Valve	17734.92	36	0.312	52					0.427778	335			649									1250	Unknown		
53981	GirthWeld		152167.3		39.9	39.27	39.27	41690	Valve	10772.05	Valve	17695.02	36	0.312	52					1:54	335			649									1250	Unknown		
53982	GirthWeld		152206.6		39.27	39.77	39.77	41700	Valve	10811.32	Valve	17655.75	36	0.312	52					12:54	335			649									1250	Unknown		
53983	GirthWeld		152246.4		39.77	39.82	39.82	41710	Valve	10851.09	Valve	17615.98	36	0.312	52					0.406944	335			649									1250	Unknown		
53984	GirthWeld		152286.2		39.82	30.54	30.54	41720	Valve	10890.91	Valve	17576.16	36	0.312	52					0.455556	335			649									1250	Unknown		
53985	GirthWeld		152316.7		30.54	39.79	39.79	41730	Valve	10921.45	Valve	17545.62	36	0.312	52					0.5375	335			649									1250	Unknown		
53986	GirthWeld		152356.5		39.79	39.83	39.82	41740	Valve	10961.24	Valve	17505.83	36	0.312	52					12:12	335			649									1250	Unknown		
53987	GirthWeld		152396.3		39.83	39.45	39.45	41750	Valve	11001.07	Valve	17466	36	0.312	52					9:32	335			649									1250	Unknown		
53988	GirthWeld		152435.8		39.45	25.34	25.35	41760	Valve	11040.52	Valve	17426.55	36	0.312	52					0.438889	335			649									1250	Unknown		
53989	GirthWeld		152461.1		25.34	39.82	39.81	41770	Valve	11065.86	Valve	17401.21	36	0.312	52					0.504167	335			649									1250	Unknown		
53990	GirthWeld		152501		39.82	39.85	39.86	41780	Valve	11105.68	Valve	17361.39	36	0.312	52					0.470833	335			649									1250	Unknown		
53991	GirthWeld		152540.8		39.85	35.79	35.79	41790	Valve	11145.54	Valve	17321.54	36	0.312	52					1:16	335			649									1250	Unknown		
53992	GirthWeld		152576.6		35.79	39.82	39.81	41800	Valve	11181.32	Valve	17285.75	36	0.312	52					1:52	335			649									1250	Unknown		
53993	GirthWeld		152616.4		39.82	39.84	39.84	41810	Valve	11221.14	Valve	17245.93	36	0.312	52					0.468056	335			649									1250	Unknown		
53994	GirthWeld		152656.3		39.84	14.62	14.62	41820	Valve	11260.98	Valve	17206.09	36	0.312	52					0.4875	335			649									1250	Unknown		
53995	GirthWeld		152670.9		14.62	24.02	24.02	41830	Valve	11275.6	Valve	17191.47	36	0.312	52					0.463889	335			649									1250	Unknown		
53996	GirthWeld		152694.9		24.02	39.02	39.02	41840	Valve	11299.62	Valve	17167.45	36	0.312	52					1:06	335			649									1250	Unknown		
53997	GirthWeld		152733.9		39.02	39.86	39.87	41850	Valve	11338.64	Valve	17128.43	36	0.312	52					1:56	335			649									1250	Unknown		
53998	GirthWeld		152773.8		39.86	39.82	39.81	41860	Valve	11378.51	Valve	17088.57	36	0.312	52					0.440278	335			649									1250	Unknown		
53999	GirthWeld		152813.6		39.82	39.81	39.82	41870	Valve	11418.32	Valve	17048.75	36	0.312	52					0.468056	335			649									1250	Unknown		
54000	GirthWeld		152853.4		39.81	39.79	39.79	41880	Valve	11458.13	Valve	17008.94	36	0.312	52					0.054167	335			649									1250	Unknown		
54001	GirthWeld		152893.2		39.79	39.67	39.67	41890	Valve	11497.92	Valve	16969.15	36	0.312	52					1:46	335			649									1250	Unknown		
54002	GirthWeld		152932.9		39.67	39.68	39.67	41900	Valve	11537.6	Valve	16929.48	36	0.312	52					10:38	335			649									1250	Unknown		
54003	GirthWeld		152972.5		39.68	35.85	35.86	41910	Valve	11577.27	Valve	16889.8	36	0.312	52					0.502778	335			649									1250	Unknown		
54004	GirthWeld		153008.4		35.85	39.89	39.89	41920	Valve	11613.12	Valve	16853.95	36	0.312	52					0.530556	335			649									1250	Unknown		
54005	GirthWeld		153048.3		39.89	31.86	31.86	41930	Valve	11653.01	Valve	16814.06	36	0.312	52					0.043056	335			649									1250	Unknown		
54006	GirthWeld		153080.1		31.86	39.81	39.81	41940	Valve	11684.87	Valve	16782.2	36	0.312	52					11:48	335			649									1250	Unknown		
54007	GirthWeld		153120		39.81	39.75	39.74	41950	Valve	11724.68	Valve	16742.39	36	0.312	52					10:34	335			649									1250	Unknown		
54008	GirthWeld		153159.7		39.75	39.63	39.63	41960	Valve	11764.43	Valve	16702.64	36	0.312	52					0.048611	335			649									1250	Unknown		
54009	GirthWeld		153199.3		39.63	39.33	39.33	41970	Valve	11804.06	Valve	16663.01	36	0.312	52					0.0875	335			649									1250	Unknown		
54010	GirthWeld		153238.7		39.33	39.49	39.5	41980	Valve	11843.39	Valve	16623.68	36	0.312	52					0.468056	335			649									1250	Unknown		
54011	GirthWeld		153278.2		39.49	30.44	30.44	41990	Valve	11882.88	Valve	16584.19	36	0.312	52					10:32	335			649									1250	Unknown		
54012	GirthWeld		153308.6		30.44	38.75	38.75	42000	Valve	11913.32	Valve	16553.75	36	0.312	52					1:38	335			649									1250	Unknown		
54013	GirthWeld		153347.3		38.75	39.59	39.59	42010	Valve	11952.07	Valve	16515	36	0.312	52					0.045833	335			649									1250	Unknown		
54014	GirthWeld		153386.9		39.59	40.03	40.03	42020	Valve	11991.66	Valve	16475.41	36	0.312	52					0.48125	335			649									1250	Unknown		
54016	CLUSTER	YES	153408.1		21.15	18.88	40.03	42020	Valve	12012.81	Valve	16454.26	36	0.312	52	0.15	0.05	8.81	1.32	0.259028	335	993	715	649	0.47	1.11							1250	Unknown		
54021	MELO-CORR	YES	153416.2		29.3	10.73	40.03	42020	Valve	12020.96	Valve	16446.11	36	0.312	52	0.17	0.05	1.18	0.20	5:25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
54022	GirthWeld		153427		40.03	39.86	39.86	42030	Valve	12031.69	Valve	16435.38	36	0.312	52					10:39	335			649									1250	Unknown		
54024	CLUSTER	YES	153436.9		9.89	29.97	39.86	42030	Valve	12041.58	Valve	16425.49	36	0.312	52	0.23	0.07	8.45	4.27	0.211806	335	949	683	649	0.49	1.11							1250	Unknown		
54031	CLUSTER	YES	153439.9		12.91	26.95	39.86	42030	Valve	12044.6	Valve	16422.47	36	0.312	52	0.22	0.07	14.50	3.68	0.20625	335	925	666	649	0.50	1.09							1250	Unknown		
54042	CLUSTER	YES	153442		14.99	24.87	39.86	42030	Valve	12046.68	Valve	16420.39	36	0.312	52	0.22	0.07	23.94	3.71	0.20625	335	908	654	649	0.51	1.08							1250	Unknown		
54059	MELO-CORR	YES	153444.2		17.22	22.64	39.86	42030	Valve	12048.91	Valve	16418.16	36	0.312	52	0.15	0.05	1.18	0.16	5:18	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54061	CLUSTER	YES	153444.4		17.46	22.4	39.86	42030	Valve	12049.15	Valve	16417.92	36	0.312	52	0.15	0.05	12.97	3.55	4:58	335	978	704	649	0.48	1.09							1250	Unknown		
54070	CLUSTER	YES	153445.7		18.74	21.13	39.86	42030	Valve	12050.43	Valve	16416.64	36	0.312	52	0.17	0.05	17.11	3.58	0.206944	335	955	688	649	0.49	1.09							1250	Unknown		
54078	CLUSTER	YES	153446.5		19.53	20.33	39.86	42030	Valve	12051.22	Valve	16415.85	36	0.312	52	0.18	0.06	5.18	0.54	0.244444	335	1008	726	649	0.46	1.14							1250	Unknown		
54087	CLUSTER	YES	153451.9		24.96	14.9	39.86	42030	Valve	12056.65	Valve	16410.42	36	0.312	52	0.19	0.06	2.28	1.16	0.284028	335	1050	756	649	0.44	1.17							1250	Unknown		
54089	MELO-CORR	YES	153452.5		25.52	14.34	39.86	42030	Valve	12057.21	Valve	16409.86	36	0.312	52	0.16	0.05	1.14	0.43	7:04	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54090	MELO-CORR	YES	153453.1		26.17	13.69	39.86	42030	Valve	12057.86	Valve	16409.21	36	0.312	52	0.17	0.05	1.30	0.24	6:47	335	1067	768	649	0.44	1.18							1598	Metal Loss		
54092	CLUSTER	YES	153454.2		27.24	12.63	39.86	42030	Valve	12058.93	Valve	16408.14	36	0.312	52	0.16	0.05	3.17	1.32	0.211806	335	1042	751	649	0.45	1.16							1250	Unknown		
54096	CLUSTER	YES	153454.8		27.84	12.02	39.86	42030	Valve	12059.53	Valve	16407.54	36	0.312	52	0.17	0.05	2.08	0.66	0.215278	335	1056	761	649	0.44	1.17							1250	Unknown		
54098	MELO-CORR	YES	153461.9		34.93	4.94	39.86	42030	Valve	12066.62	Valve	16400.45	36	0.312	52	0.15	0.05	1.18	0.20	0.206944	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54099	MELO-CORR	YES	153462		35.08	4.79	39.86	42030	Valve	12066.77	Valve	16400.3	36	0.312	52	0.17	0.05	1.14	0.20	7:01	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54101	CLUSTER	YES	153465.8		38.79	1.07	39.86	42030	Valve	12070.48	Valve	16396.59	36	0.312	52	0.23	0.07	3.02	0.54	7:03	335	1028	740	649	0.45	1.15							1250	Unknown		
54103	GirthWeld		153466.8		39.86	38.63	38.63	42040	Valve	12071.55	Valve	16395.52	36	0.312	52					0.53125	335			649									1250	Unknown		
54105	CLUSTER	YES	153468.2		1.36	37.27	38.63	42040	Valve	12072.91	Valve	16394.16	36	0.312	52	0.15	0.05	2.06	0.85	0.211111	335	1059	763	649	0.44	1.18							1250	Unknown		
54108	CLUSTER	YES	153469.2		2.39	36.23	38.63	42040	Valve	12073.94	Valve	16393.13	36	0.312	52	0.16	0.05	20.65	2.83	0.207639	335	958	690	649	0.49	1.08							1250	Unknown		
54122	CLUSTER	YES	153472.4		5.57	33.06	38.63	42040	Valve	12077.12	Valve	16389.95	36	0.312	52	0.16	0.05	4.06	1.57	6:30	335	1030	742	649	0.45	1.15							1250	Unknown		
54125	CLUSTER	YES	153473.3		6.43	32.2	38.63	42040	Valve	12077.98	Valve	16389.09	36	0.312	52	0.17	0.05	6.70	0.94	5:01	335	997	718	649	0.47	1.12							1250	Unknown		
54131	CLUSTER	YES	153473.8		6.99	31.64	38.63	42040	Valve	12078.54	Valve	16388.53	36	0.312	52	0.15	0.05	3.32	0.66	0.292361	335	1043	751	649	0.45	1.15							1250	Unknown		
54133	MELO-CORR	YES	153480.7		13.88	24.75	38.63	42040	Valve	12085.43	Valve	16381.64	36	0.312	52	0.15	0.05	1.14	0.24	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54134	MELO-CORR	YES	153483		16.18	22.45	38.63	42040	Valve	12087.73	Valve	16379.34	36	0.312	52	0.18	0.06	1.10	0.43	0.275	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54135	MELO-CORR	YES	153486.2		19.37	19.26	38.63	42040	Valve	12090.92	Valve	16376.15	36	0.312	52	0.16	0.05	1.18	0.20	6:28	335	1068	769	649	0.44	1.19							1598	Metal Loss		
54137	CLUSTER	YES	153487.6		20.74	17.89	38.63	42040	Valve	12092.29	Valve	16374.78	36	0.312	52	0.15	0.05	1.88	0.69	5:05	335	1061	764	649	0.44	1.18							1250	Unknown		
54139	GirthWeld		153505.5		38.63	39.69	39.69	42050	Valve	12110.18	Valve	16356.89	36	0.312	52					0.078472	335			649									1250	Unknown		
54141	CLUSTER	YES	153506.2		0.74	38.94	39.69	42050	Valve	12110.92	Valve	16356.15	36	0.312	52	0.15	0.05	3.76	0.54	0.272222	335	1037	747	649	0.45	1.15							1250	Unknown		
54144	CLUSTER	YES	153513.3		7.82	31.87	39.69	42050	Valve	12118	Valve	16349.07	36	0.312	52	0.16	0.05	12.83	2.11	0.263194	335	971	699	649	0.48	1.09							1250	Unknown		
54150	MELO-CORR	YES	153516.7		11.26	28.43	39.69	42050	Valve	12121.44	Valve	16345.63	36	0.312	52	0.15	0.05	1.18	0.20	6:30	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54151	MELO-CORR	YES	153521.1		15.64	24.04	39.69	42050	Valve	12125.82	Valve	16341.25	36	0.312	52	0.25	0.08	1.26	0.87	6:29	335	1063	765	649	0.44	1.18							1598	Metal Loss		
54153	CLUSTER	YES	153524.4		18.92	20.77	39.69	42050	Valve	12129.1	Valve	16337.97	36	0.312	52	0.15	0.05	5.18	1.07	0.236806	335	1020	734	649	0.46	1.13							1250	Unknown		
54158	CLUSTER	YES	153525.3		19.85	19.83	39.69	42050	Valve	12130.04	Valve	16337.04	36	0.312	52	0.16	0.05	12.06	2.39	0.263194	335	974	701	649	0.48	1.09							1250	Unknown		
54165	CLUSTER	YES	153527.2		21.71	17.98	39.69	42050	Valve	12131.89	Valve	16335.18	36	0.312	52	0.15	0.05	14.16	2.14	0.23125	335	975	702	649	0.48	1.10							1250	Unknown		
54174	MELO-CORR	YES	153538		30.51	9.18	39.69	42050	Valve	12140.69	Valve	16326.38	36	0.312	52	0.27	0.08	0.98	0.20	6:23	335	1066	768	649	0.44	1.18							1598	Metal Loss		
54175	GirthWeld		153545.1		39.68	39.85	39.85	42060	Valve	12149.87	Valve	16317.2	36	0.312	52					10:32	335			649									1250	Unknown		
54177	CLUSTER	YES	153550.3		5.15	34.69	39.85	42060	Valve	12155.02	Valve	16312.05	36	0.312	52	0.15	0.05	4.16	0.88	0.236806	335	1032	743	649	0.45	1.15							1250	Unknown		
54180	CLUSTER	YES	153555.8		10.67	29.18	39.85	42060	Valve	12160.54	Valve	16306.53	36	0.312	52	0.15	0.05	2.68	0.50	0.263889	335	1051	757	649	0.44	1.17							1250	Unknown		
54183	CLUSTER	YES	153562.4		17.21	22.64	39.85	42060	Valve	12167.08	Valve	16299.99	36	0.312	52	0.16	0.05	4.02	0.69	0.268056	335	1030	742	649	0.45	1.15							1250	Unknown		
54186	CLUSTER	YES	153565		19.8	20.04	39.85	42060	Valve	12169.68	Valve	16297.39	36	0.312	52	0.17	0.05	35.27	4.37	6:10	335	939	676	649	0.50	1.07							1250	Unknown		
54211	GirthWeld		153585		39.84	28.59	28

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
54268	CLUSTER	YES	153682.9		29.4	10.33	39.73	42090	Valve	12287.63	Valve	16179.44	36	0.312	52	0.16	0.05	9.77	0.85	5:53	335	983	708	649	0.47	1.09							1250	Unknown		
54272	CLUSTER	YES	153686.4		32.85	6.88	39.73	42090	Valve	12291.08	Valve	16175.99	36	0.312	52	0.17	0.05	7.49	0.79	5:56	335	991	713	649	0.47	1.11							1250	Unknown		
54275	CLUSTER	YES	153689.3		35.84	3.9	39.73	42090	Valve	12294.07	Valve	16173	36	0.312	52	0.17	0.05	12.76	1.35	0.245139	335	965	695	649	0.48	1.09							1250	Unknown		
54281	GirthWeld		153693.2		39.73	39.88	39.87	42100	Valve	12297.96	Valve	16169.11	36	0.312	52					0.465278	335			649									1250	Unknown		
54283	CLUSTER	YES	153699.9		6.69	33.18	39.87	42100	Valve	12304.65	Valve	16162.42	36	0.312	52	0.2	0.06	6.68	0.79	0.253472	335	982	707	649	0.47	1.12							1250	Unknown		
54286	CLUSTER	YES	153706.5		13.27	26.61	39.87	42100	Valve	12311.23	Valve	16155.84	36	0.312	52	0.17	0.05	5.26	1.79	5:47	335	1011	728	649	0.46	1.14							1250	Unknown		
54289	GirthWeld		153733.1		39.88	39.85	39.85	42110	Valve	12337.84	Valve	16129.23	36	0.312	52					10:46	335			649									1250	Unknown		
54290	GirthWeld		153773		39.85	39.79	39.79	42120	Valve	12377.69	Valve	16089.38	36	0.312	52					0.5125	335			649									1250	Unknown		
54291	GirthWeld		153812.8		39.79	39.9	39.9	42130	Valve	12417.48	Valve	16049.59	36	0.312	52					0.045833	335			649									1250	Unknown		
54292	GirthWeld		153852.7		39.9	39.8	39.81	42140	Valve	12457.38	Valve	16009.69	36	0.312	52					0.4375	335			649									1250	Unknown		
54293	GirthWeld		153892.5		39.8	38.71	38.71	42150	Valve	12497.18	Valve	15969.89	36	0.312	52					9:12	335			649									1250	Unknown		
54294	GirthWeld		153931.2		38.71	39.83	39.83	42160	Valve	12535.89	Valve	15931.18	36	0.312	52					1:08	335			649									1250	Unknown		
54295	GirthWeld		153971		39.83	32	32.01	42170	Valve	12575.72	Valve	15891.35	36	0.312	52					0.519444	335			649									1250	Unknown		
54296	GirthWeld		154003		32	39.82	39.82	42180	Valve	12607.72	Valve	15859.35	36	0.312	52					0.416667	335			649									1250	Unknown		
54297	GirthWeld		154042.8		39.82	39.25	39.25	42190	Valve	12647.54	Valve	15819.53	36	0.312	52					0.4375	335			649									1250	Unknown		
54298	GirthWeld		154082.1		39.25	38.68	38.68	42200	Valve	12686.79	Valve	15780.28	36	0.312	52					1:14	335			649									1250	Unknown		
54299	MIFE	n/a	154118.6		36.51	2.17	38.68	42200	Valve	12723.3	Valve	15743.77	36	0.312	52					12:05	335			649									2167	Mill Anomaly		
54300	GirthWeld		154120.7		38.68	39.75	39.75	42210	Valve	12725.47	Valve	15741.6	36	0.312	52					0.5	335			649									1250	Unknown		
54301	GirthWeld		154160.5		39.75	39.73	39.73	42220	Valve	12765.22	Valve	15701.85	36	0.312	52					0.433333	335			649									1250	Unknown		
54302	GirthWeld		154200.2		39.73	39.79	39.78	42230	Valve	12804.95	Valve	15662.12	36	0.312	52					0.391667	335			649									1250	Unknown		
54303	GirthWeld		154240		39.79	39.85	39.84	42240	Valve	12844.74	Valve	15622.33	36	0.312	52					12:42	335			649									1250	Unknown		
54304	GirthWeld		154279.9		39.84	39.83	39.83	42250	Valve	12884.58	Valve	15582.49	36	0.312	52					1:52	335			649									1250	Unknown		
54305	GirthWeld		154319.7		39.83	39.81	39.81	42260	Valve	12924.41	Valve	15542.66	36	0.312	52					0.417361	335			649									1250	Unknown		
54306	GirthWeld		154359.5		39.81	15.76	15.76	42270	Valve	12964.22	Valve	15502.85	36	0.312	52					0.461111	335			649									1250	Unknown		
54307	GirthWeld		154375.3		15.76	23.69	23.69	42280	Valve	12979.98	Valve	15487.09	36	0.312	52					0.5	335			649									1250	Unknown		
54308	GirthWeld		154398.9		23.69	39.85	39.85	42290	Valve	13003.67	Valve	15463.4	36	0.312	52					12:44	335			649									1250	Unknown		
54309	GirthWeld		154438.8		39.85	30.4	30.4	42300	Valve	13043.52	Valve	15423.55	36	0.312	52					1:41	335			649									1250	Unknown		
54310	GirthWeld		154469.2		30.4	38.92	38.91	42310	Valve	13073.92	Valve	15393.15	36	0.312	52					0.497222	335			649									1250	Unknown		
54311	GirthWeld		154508.1		38.92	39.77	39.77	42320	Valve	13112.84	Valve	15354.23	36	0.312	52					0.455556	335			649									1250	Unknown		
54312	GirthWeld		154547.9		39.77	39.82	39.83	42330	Valve	13152.61	Valve	15314.46	36	0.312	52					0.051389	335			649									1250	Unknown		
54313	GirthWeld		154587.7		39.82	37.28	37.27	42340	Valve	13192.43	Valve	15274.64	36	0.312	52					2:02	335			649									1250	Unknown		
54314	GirthWeld		154625		37.27	39.82	39.81	42350	Valve	13229.71	Valve	15237.36	36	0.312	52					12:26	335			649									1250	Unknown		
54315	GirthWeld		154664.8		39.81	39.77	39.77	42360	Valve	13269.52	Valve	15197.55	36	0.312	52					0.475	335			649									1250	Unknown		
54316	GirthWeld		154704.6		39.77	15.54	15.54	42370	Valve	13309.29	Valve	15157.78	36	0.312	52					0.376389	335			649									1250	Unknown		
54317	GirthWeld		154720.1		15.54	22.85	22.86	42380	Valve	13324.83	Valve	15142.24	36	0.312	52					0.441667	335			649									1250	Unknown		
54318	GirthWeld		154743		22.85	28.14	28.13	42390	Valve	13347.68	Valve	15119.39	36	0.312	52					12:00	335			649									1250	Unknown		
54319	GirthWeld		154771.1		28.14	39.78	39.78	42400	Valve	13375.82	Valve	15091.25	36	0.312	52					1:08	335			649									1250	Unknown		
54320	GirthWeld		154810.9		39.78	39.86	39.86	42410	Valve	13415.6	Valve	15051.47	36	0.312	52					0.0875	335			649									1250	Unknown		
54321	GirthWeld		154850.7		39.86	39.87	39.87	42420	Valve	13455.46	Valve	15011.61	36	0.312	52					0.429167	335			649									1250	Unknown		
54322	GirthWeld		154890.6		39.86	29.65	29.65	42430	Valve	13495.33	Valve	14971.74	36	0.312	52					0.477778	335			649									1250	Unknown		
54323	GirthWeld		154920.3		29.65	39.78	39.78	42440	Valve	13524.98	Valve	14942.09	36	0.312	52					1:00	335			649									1250	Unknown		
54324	GirthWeld		154960		39.78	39.12	39.12	42450	Valve	13564.76	Valve	14902.31	36	0.312	52					1:54	335			649									1250	Unknown		
54325	GirthWeld		154999.2		39.12	39.69	39.7	42460	Valve	13603.88	Valve	14863.19	36	0.312	52					0.444444	335			649									1250	Unknown		
54326	GirthWeld		155038.8		39.69	38.58	38.57	42470	Valve	13643.57	Valve	14823.5	36	0.312	52					0.465278	335			649									1250	Unknown		
54327	GirthWeld		155077.4		38.58	39.64	39.64	42480	Valve	13682.15	Valve	14784.92	36	0.312	52					0.534722	335			649									1250	Unknown		
54328	GirthWeld		155117.1		39.64	37.52	37.52	42490	Valve	13721.79	Valve	14745.28	36	0.312	52					2:00	335			649									1250	Unknown		
54329	GirthWeld		155154.6		37.52	37.18	37.19	42500	Valve	13759.31	Valve	14707.76	36	0.312	52					10:56	335			649									1250	Unknown		
54330	GirthWeld		155191.8		37.18	39.86	39.85	42510	Valve	13796.49	Valve	14670.58	36	0.312	52					0.423611	335			649									1250	Unknown		
54331	GirthWeld		155231.6		39.86	39.82	39.82	42520	Valve	13836.35	Valve	14630.72	36	0.312	52					0.069444	335			649									1250	Unknown		
54332	GirthWeld		155271.4		39.82	39.77	39.77	42530	Valve	13876.17	Valve	14590.9	36	0.312	52					0.098611	335			649									1250	Unknown		
54333	GirthWeld		155311.2		39.77	39.83	39.82	42540	Valve	13915.94	Valve	14551.13	36	0.312	52					11:40	335			649									1250	Unknown		
54334	GirthWeld		155351		39.83	39.64	39.64	42550	Valve	13955.77	Valve	14511.3	36	0.312	52					11:10	335			649									1250	Unknown		
54335	GirthWeld		155390.7		39.63	39.16	39.16	42560	Valve	13995.4	Valve	14471.67	36	0.312	52					0.043056	335			649									1250	Unknown		
54336	GirthWeld		155429.8		39.16	39.74	39.74	42570	Valve	14034.56	Valve	14432.51	36	0.312	52					0.081944	335			649									1250	Unknown		
54337	GirthWeld		155469.6		39.74	38.43	38.43	42580	Valve	14074.3	Valve	14392.77	36	0.312	52					0.530556	335			649									1250	Unknown		
54338	MIFE	n/a	155469.6		0.05	38.38	38.43	42580	Valve	14074.35	Valve	14392.72	36	0.312	52					12:14	335			649									2167	Mill Anomaly		
54339	MIFE	n/a	155470		0.45	37.98	38.43	42580	Valve	14074.75	Valve	14392.32	36	0.312	52					12:16	335			649									2167	Mill Anomaly		
54340	MIFE	n/a	155471.2		1.62	36.82	38.43	42580	Valve	14075.92	Valve	14391.15	36	0.312	52					0.517361	335			649									2167	Mill Anomaly		
54341	MIFE	n/a	155471.7		2.15	36.28	38.43	42580	Valve	14076.45	Valve	14390.62	36	0.312	52					0.519444	335			649									2167	Mill Anomaly		
54342	GirthWeld		155508		38.43	39.83	39.82	42590	Valve	14112.73	Valve	14354.34	36	0.312	52					0.0625	335			649									1250	Unknown		
54343	GirthWeld		155547.8		39.83	38.6	38.61	42600	Valve	14152.56	Valve	14314.51	36	0.312	52					2:50	335			649									1250	Unknown		
54344	GirthWeld		155586.4		38.6	39.74	39.74	42610	Valve	14191.16	Valve	14275.91	36	0.312	52					3:52	335			649									1250	Unknown		
54345	GirthWeld		155626.2		39.74	39.5	39.5	42620	Valve	14230.9	Valve	14236.17	36	0.312	52					0.530556	335			649									1250	Unknown		
54346	GirthWeld		155665.7		39.5	38.5	38.49	42630	Valve	14270.4	Valve	14196.67	36	0.312	52					0.061111	335			649									1250	Unknown		
54347	GirthWeld		155704.2		38.49	39.88	39.88	42640	Valve	14308.9	Valve	14158.17	36	0.312	52					0.102778	335			649									1250	Unknown		
54348	GirthWeld		155744		39.87	39.29	39.29	42650	Valve	14348.77	Valve	14118.3	36	0.312	52					2:48	335			649									1250	Unknown		
54349	GirthWeld		155783.3		39.29	39.89	39.89	42660	Valve	14388.06	Valve	14079.01	36	0.312	52					1:20	335			649									1250	Unknown		
54350	GirthWeld		155823.2		39.89	38.51	38.51	42670	Valve	14427.95	Valve	14039.12	36	0.312	52					0.527778	335			649									1250	Unknown		
54351	GirthWeld		155861.7		38.51	39.81	39.81	42680	Valve	14466.46	Valve	14000.61	36	0.312	52					0.123611	335			649									1250	Unknown		
54352	GirthWeld		155901.5		39.81	39.76	39.77	42690	Valve	14506.27	Valve	13960.8	36	0.312	52					0.106944	335			649									1250	Unknown		
54353	GirthWeld		155941.3		39.76	39.19	39.19	42700	Valve	14546.03	Valve	13921.04	36	0.312	52					1:00	335			649									1250	Unknown		
54354	GirthWeld		155980.5		39.19	39.8	39.8	42710	Valve	14585.22	Valve	13881.85	36	0.312	52					11:48	335			649									1250	Unknown		
54355	GirthWeld		156020.3		39.8	39.37	39.37	42720	Valve	14625.02	Valve	13842.05	36	0.312	52					0.15	335			649									1250	Unknown		
54356	GirthWeld		156059.7		39.37	39.75	39.75	42730	Valve	14664.39	Valve	13802.68	36	0.312	52					0.116667	335			649									1250	Unknown		
54357	GirthWeld		156099.4		39.75	15.08	15.08	42740	Valve	14704.14	Valve	13762.93	36	0.312	52					0.05	335			649									1250	Unknown		
54358	GirthWeld		156114.5		15.08	39.81	39.81	42750	Valve	14719.22	Valve	13747.85	36	0.312	52					12:10	335			649									1250	Unknown		
54359	GirthWeld		156154.3		39.81	39.78	39.78	42760	Valve	14759.03	Valve	13708.04	36	0.312	52					2:26	335			649									1250	Unknown		
54360	GirthWeld		156194.1		39.78	39.85	39.85	42770	Valve	14798.81	Valve	13668.26	36	0.312	52					0.131944	335			649									1250	Unknown		
54361	GirthWeld		156233.9		39.85	22.31	22.31	42780	Valve	14838.66	Valve	13628.41	36	0.312	52					0.509722	335			649									1250	Unknown		
54362	GirthWeld		156256.2		22.31	16.71	16.71	42790	Valve	14860.97	Valve	13606.1	36	0.312	52					0.481944	335			649									1250	Unknown		
54363	GirthWeld		156273		16.71	39.75	39.75	42800	Valve	14877.68	Valve	13589.39	36	0.312	52					12:42	335			649									1250	Unknown		
54364	GirthWeld		156312.7		39.75	39.23	39.23	42810	Valve	14917.43	Valve	13549.64	36	0.312	52					1:56	335			649									1250	Unknown		
54365	GirthWeld		156351.9		39.23	39.43	39.43	42820	Valve	14956.66	Valve	13510.41	36	0.312	52					0.094444	335			649									1250	Unknown		
54366	GirthWeld		156391.4		39.43	39.68	39.68	42830	Valve	14996.09	Valve	13470.98	36	0.312	52					0.525	335			649									1250	Unknown		
54367	GirthWeld		156431		39.68	26.48	26.48	42840	Valve	15035.77	Valve	13431.3	36	0.312	52					0.059722	335			649									1250	Unknown		
54368	GirthWeld		156457.5		26.48	39.79	39.79	42850	Valve	15062.25	Valve	13404.82	36	0.312	52					11:16	335			649									1250	Unknown		
54369	GirthWeld		156497.3		39.79	39.48	39.48	42860	Valve	15102.04	Valve	13365.03	36	0.312	52					10:26	335			649									1250	Unknown		
54370	GirthWeld		156536.8		39.48	37.7	37.7	42870	Valve	15141.52	Valve	13325.55	36	0.312	52					0.095833	335			649									1250	Unknown		
54371	GirthWeld		156574.5		37.7	39.48	39.47	42880	Valve	15179.22	Valve	13287.85	36	0.312	52					0.070833	335			649									1250	Unknown		
54372	MELO-CORR	YES	156591.9		17.37	22.1	39.47	42880	Valve	15196.59	Valve	13270.48	36	0.312	52	0.16	0.05	1.14	0.24	0.26875	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54374	CLUSTER	YES	156592.5		18.02	21.45	39.47	42880	Valve	15197.24	Valve	13269.83	36	0.312	52	0.15	0.05	14.94	3.14	6:15	335	973	701	649	0.48	1.09							1250	Unknown		
54382	CLUSTER	YES	156593.1		18.57	20.91	39.47	42880	Valve	15197.79	Valve	13269.28	36	0.312	52	0.16	0.05	19.09	2.70	5:24	335	959	691	649	0.48	1.08							1250	Unknown		
54394	MELO-CORR	YES	156594.2		19.68	19.8	39.47	42880	Valve	15198.9	Valve	13268.17	36	0.312	52	0.18	0.06	1.14	0.20	0.264583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
54399	CLUSTER	YES	156594.4		19.91	19.56	39.47	42880	Valve	15199.13	Valve	13267.94	36	0.312	52	0.16	0.05	6.20	1.04	0.280556	335	1006	724	649	0.46	1.13							1250	Unknown		
54401	CLUSTER	YES	156594.5		19.98	19.49	39.47	42880	Valve	15199.2	Valve	13267.87	36	0.312	52	0.25	0.08	3.52	0.69	0.263889	335	1012	729	649	0.46	1.15							1250	Unknown		
54406	CLUSTER	YES	156594.8		20.31	19.17	39.47	42880	Valve	15199.53	Valve	13267.54	36	0.312	52	0.16	0.05	4.34	1.16	5:29	335	1026	739	649	0.45	1.15							1250	Unknown		
54411	CLUSTER	YES	156595.1		20.6	18.88	39.47	42880	Valve	15199.82	Valve	13267.26	36	0.312	52	0.16	0.05	11.64	2.92	6:24	335	975	702	649	0.48	1.10							1250	Unknown		
54420	CLUSTER	YES	156595.7		21.2	18.27	39.47	42880	Valve	15200.42	Valve	13266.65	36	0.312	52	0.39	0.12	33.53	4.27	0.218056	335	757	545	649	0.61	0.98							1250	Unknown		
54430	CLUSTER	YES	156596.4		21.87	17.61	39.47	42880	Valve	15201.09	Valve	13265.98	36	0.312	52	0.2	0.06	25.57	3.71	0.266667	335	922	664	649	0.50	1.06							1250	Unknown		
54476	CLUSTER	YES	156598.4		23.9	15.58	39.47	42880	Valve	15203.12	Valve	13263.95	36	0.312	52	0.23	0.07	12.77	3.49	0.271528	335	924	665	649	0.50	1.06							1250	Unknown		
54481	CLUSTER	YES	156598.7		24.17	15.31	39.47	42880	Valve	15203.39	Valve	13263.68	36	0.312	52	0.18	0.06	13.56	4.12	5:07	335	956	688	649	0.49	1.07							1250	Unknown		
54499	CLUSTER	YES	156599.5		25.04	14.43	39.47	42880	Valve	15204.26	Valve	13262.81	36	0.312	52	0.16	0.05	27.17	2.77	6:33	335	953	686	649	0.49	1.07							1250	Unknown		
54512	CLUSTER	YES	156601		26.48	13	39.47	42880	Valve	15205.7	Valve	13261.37	36	0.312	52	0.15	0.05	6.67	1.07	0.223611	335	1007	725	649	0.46	1.12							1250	Unknown		
54520	GirthWeld		156614		39.48	39.83	39.82	42890	Valve	15218.7	Valve	13248.38	36	0.312	52					0.345139	335			649									1250	Unknown		
54521	MELO-CORR	YES	156621.1		7.15	32.67	39.82	42890	Valve	15225.85	Valve	13241.22	36	0.312	52	0.21	0.07	1.22	0.16	0.276389	335	1066	767	649	0.44	1.18							1598	Metal Loss		
54523	CLUSTER	YES	156621.8		7.84	31.98	39.82	42890	Valve	15226.54	Valve	13240.53	36	0.312	52	0.16	0.05	5.50	0.54	6:36	335	1013	729	649	0.46	1.13							1250	Unknown		
54526	CLUSTER	YES	156623		9.02	30.8	39.82	42890	Valve	15227.72	Valve	13239.35	36	0.312	52	0.15	0.05	2.14	0.60	6:35	335	1058	762	649	0.44	1.17							1250	Unknown		
54528	MELO-CORR	YES	156628.8		14.8	25.02	39.82	42890	Valve	15233.5	Valve	13233.57	36	0.312	52	0.16	0.05	1.53	0.55	0.274306	335	1065	767	649	0.44	1.18							1598	Metal Loss		
54530	CLUSTER	YES	156631.4		17.45	22.37	39.82	42890	Valve	15236.15	Valve	13230.92	36	0.312	52	0.18	0.06	7.76	1.26	0.229167	335	983	708	649	0.47	1.12							1250	Unknown		
54534	CLUSTER	YES	156632.8		18.82	21	39.82	42890	Valve	15237.52	Valve	13229.55	36	0.312	52	0.19	0.06	6.30	0.57	0.270833	335	991	714	649	0.47	1.12							1250	Unknown		
54536	MELO-CORR	YES	156632.9		18.95	20.87	39.82	42890	Valve	15237.65	Valve	13229.42	36	0.312	52	0.17	0.05	1.14	0.43	5:30	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54537	MELO-CORR	YES	156638.9		24.91	14.91	39.82	42890	Valve	15243.61	Valve	13223.46	36	0.312	52	0.15	0.05	1.10	0.39	5:28	335	1070	770	649	0.43	1.19							1598	Metal Loss		
54539	CLUSTER	YES	156645.1		31.1	8.72	39.82	42890	Valve	15249.8	Valve	13217.27	36	0.312	52	0.18	0.06	10.21	1.67	0.265278	335	968	697	649	0.48	1.10							1250	Unknown		
54543	MELO-CORR	YES	156646.4		32.43	7.39	39.82	42890	Valve	15251.13	Valve	13215.94	36	0.312	52	0.15	0.05	1.18	0.20	0.272222	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54545	CLUSTER	YES	156652		38.01	1.81	39.82	42890	Valve	15256.71	Valve	13210.36	36	0.312	52	0.19	0.06	15.26	0.94	0.272917	335	944	680	649	0.49	1.08							1250	Unknown		
54551	GirthWeld		156653.8		39.82	39.94	39.94	42900	Valve	15258.52	Valve	13208.55	36	0.312	52					9:13	335			649

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
54565	CLUSTER	YES	156688.6		34.76	5.18	39.94	42900	Valve	15293.28	Valve	13173.79	36	0.312	52	0.18	0.06	7.67	1.23	5:48	335	984	708	649	0.47	1.10							1250	Unknown		
54571	MELO-CORR	YES	156692.3		38.54	1.4	39.94	42900	Valve	15297.06	Valve	13170.01	36	0.312	52	0.15	0.05	1.10	0.20	6:23	335	1070	770	649	0.43	1.19							1598	Metal Loss		
54572	GirthWeld		156693.7		39.94	39.82	39.82	42910	Valve	15298.46	Valve	13168.61	36	0.312	52					0.534722	335			649									1250	Unknown		
54573	GirthWeld		156733.6		39.82	39.74	39.75	42920	Valve	15338.29	Valve	13128.79	36	0.312	52					0.079167	335			649									1250	Unknown		
54574	GirthWeld		156773.3		39.76	39.82	39.82	42930	Valve	15378.04	Valve	13089.04	36	0.312	52					0.441667	335			649									1250	Unknown		
54575	GirthWeld		156813.1		39.82	39.18	39.17	42940	Valve	15417.85	Valve	13049.22	36	0.312	52					9:46	335			649									1250	Unknown		
54576	GirthWeld		156852.3		39.18	39.44	39.44	42950	Valve	15457.03	Valve	13010.04	36	0.312	52					1:28	335			649									1250	Unknown		
54577	GirthWeld		156891.7		39.44	39.2	39.2	42960	Valve	15496.47	Valve	12970.6	36	0.312	52					0.086111	335			649									1250	Unknown		
54578	MELO-CORR	YES	156893.9		2.14	37.05	39.2	42960	Valve	15498.61	Valve	12968.46	36	0.312	52	0.17	0.05	1.14	0.24	0.238889	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54579	MELO-CORR	YES	156899.1		7.4	31.8	39.2	42960	Valve	15503.87	Valve	12963.2	36	0.312	52	0.16	0.05	1.18	0.28	0.266667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54580	GirthWeld		156930.9		39.2	39.72	39.72	42970	Valve	15535.67	Valve	12931.4	36	0.312	52					11:30	335			649									1250	Unknown		
54581	GirthWeld		156970.7		39.71	38.76	38.75	42980	Valve	15575.39	Valve	12891.68	36	0.312	52					12:34	335			649									1250	Unknown		
54582	GirthWeld		157009.4		38.74	39.2	39.2	42990	Valve	15614.14	Valve	12852.93	36	0.312	52					0.052778	335			649									1250	Unknown		
54583	GirthWeld		157048.6		39.2	39.9	39.9	43000	Valve	15653.34	Valve	12813.73	36	0.312	52					0.095833	335			649									1250	Unknown		
54584	GirthWeld		157088.5		39.9	39.88	39.88	43010	Valve	15693.24	Valve	12773.83	36	0.312	52					0.429167	335			649									1250	Unknown		
54585	GirthWeld		157128.4		39.88	39.97	39.97	43020	Valve	15733.12	Valve	12733.95	36	0.312	52					9:45	335			649									1250	Unknown		
54586	MIFE	n/a	157144.7		16.28	23.68	39.97	43020	Valve	15749.4	Valve	12717.67	36	0.312	52					9:11	335			649									2167	Mill Anomaly		
54587	MIFE	n/a	157145.4		16.95	23.01	39.97	43020	Valve	15750.08	Valve	12716.99	36	0.312	52					0.384028	335			649									2167	Mill Anomaly		
54588	MIFE	n/a	157146.5		18.09	21.87	39.97	43020	Valve	15751.21	Valve	12715.86	36	0.312	52					0.377778	335			649									2167	Mill Anomaly		
54590	CLUSTER	YES	157146.6		18.21	21.76	39.97	43020	Valve	15751.33	Valve	12715.74	36	0.312	52	0.16	0.05	4.52	0.60	0.257639	335	1024	737	649	0.45	1.14							1250	Unknown		
54593	CLUSTER	YES	157147.2		18.76	21.21	39.97	43020	Valve	15751.88	Valve	12715.19	36	0.312	52	0.16	0.05	11.48	0.50	6:14	335	976	703	649	0.48	1.09							1250	Unknown		
54597	MIFE	n/a	157147.9		19.49	20.47	39.97	43020	Valve	15752.61	Valve	12714.46	36	0.312	52					9:57	335			649									2167	Mill Anomaly		
54598	MELO-CORR	YES	157153.9		25.48	14.49	39.97	43020	Valve	15758.6	Valve	12708.47	36	0.312	52	0.15	0.05	1.14	0.24	0.264583	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54599	MIFE	n/a	157165.5		37.1	2.86	39.97	43020	Valve	15770.22	Valve	12696.85	36	0.312	52					0.415278	335			649									2167	Mill Anomaly		
54601	CLUSTER	YES	157166.7		38.34	1.63	39.97	43020	Valve	15771.46	Valve	12695.61	36	0.312	52	0.18	0.06	15.50	3.93	0.238889	335	951	685	649	0.49	1.09							1250	Unknown		
54611	GirthWeld		157168.4		39.96	39.94	39.94	43030	Valve	15773.09	Valve	12693.98	36	0.312	52					1:34	335			649									1250	Unknown		
54613	CLUSTER	YES	157169.5		1.1	38.84	39.94	43030	Valve	15774.19	Valve	12692.88	36	0.312	52	0.16	0.05	8.50	3.33	5:32	335	989	712	649	0.47	1.11							1250	Unknown		
54617	MIFE	n/a	157171.8		3.45	36.49	39.94	43030	Valve	15776.54	Valve	12690.53	36	0.312	52					0.463194	335			649									2167	Mill Anomaly		
54618	MIFE	n/a	157172.5		4.17	35.77	39.94	43030	Valve	15777.26	Valve	12689.81	36	0.312	52					0.452778	335			649									2167	Mill Anomaly		
54619	MIFE	n/a	157172.5		4.17	35.77	39.94	43030	Valve	15777.26	Valve	12689.81	36	0.312	52					0.455556	335			649									2167	Mill Anomaly		
54621	CLUSTER	YES	157172.6		4.27	35.67	39.94	43030	Valve	15777.36	Valve	12689.71	36	0.312	52	0.16	0.05	5.78	0.79	6:22	335	1010	727	649	0.46	1.13							1250	Unknown		
54623	MIFE	n/a	157175.2		6.81	33.13	39.94	43030	Valve	15779.9	Valve	12687.17	36	0.312	52					2:17	335			649									2167	Mill Anomaly		
54625	CLUSTER	YES	157178.8		10.4	29.54	39.94	43030	Valve	15783.49	Valve	12683.58	36	0.312	52	0.15	0.05	17.39	2.36	0.258333	335	969	698	649	0.48	1.08							1250	Unknown		
54635	CLUSTER	YES	157186		17.65	22.29	39.94	43030	Valve	15790.74	Valve	12676.33	36	0.312	52	0.2	0.06	8.51	3.49	0.241667	335	966	696	649	0.48	1.11							1250	Unknown		
54641	CLUSTER	YES	157194.1		25.73	14.2	39.94	43030	Valve	15798.82	Valve	12668.25	36	0.312	52	0.16	0.05	8.90	1.01	0.25625	335	987	711	649	0.47	1.10							1250	Unknown		
54644	MELO-CORR	YES	157197.5		29.17	10.77	39.94	43030	Valve	15802.26	Valve	12664.81	36	0.312	52	0.15	0.05	1.10	0.20	4:37	335	1070	770	649	0.43	1.19							1598	Metal Loss		
54645	GirthWeld		157208.3		39.94	31.84	31.84	43040	Valve	15813.03	Valve	12654.04	36	0.312	52					2:34	335			649									1250	Unknown		
54646	GirthWeld		157240.1		31.84	39.61	39.61	43050	Valve	15844.87	Valve	12622.2	36	0.312	52					0.377778	335			649									1250	Unknown		
54647	GirthWeld		157279.8		39.61	39.87	39.87	43060	Valve	15884.48	Valve	12582.59	36	0.312	52					0.398611	335			649									1250	Unknown		
54648	GirthWeld		157319.6		39.87	5.33	5.33	43070	Valve	15924.35	Valve	12542.72	36	0.312	52					0.066667	335			649									1250	Unknown		
54649	GirthWeld		157325		5.33	39.81	39.8	43080	Valve	15929.68	Valve	12537.39	36	0.312	52					12:58	335			649									1250	Unknown		
54650	GirthWeld		157364.8		39.81	39.62	39.62	43090	Valve	15969.49	Valve	12497.58	36	0.312	52					11:30	335			649									1250	Unknown		
54651	GirthWeld		157404.4		39.62	39.26	39.27	43100	Valve	16009.11	Valve	12457.96	36	0.312	52					0.438889	335			649									1250	Unknown		
54652	GirthWeld		157443.6		39.26	38.35	38.34	43110	Valve	16048.37	Valve	12418.7	36	0.312	52					0.1125	335			649									1250	Unknown		
54653	GirthWeld		157482		38.35	38.84	38.85	43120	Valve	16086.72	Valve	12380.35	36	0.312	52					0.136111	335			649									1250	Unknown		
54654	GirthWeld		157520.8		38.85	40.02	40.01	43130	Valve	16125.57	Valve	12341.51	36	0.312	52					10:43	335			649									1250	Unknown		
54656	CLUSTER	YES	157538.5		17.68	22.33	40.01	43130	Valve	16143.24	Valve	12323.83	36	0.312	52	0.31	0.10	50.24	7.04	5:39	335	812	585	649	0.57	1.02							1250	Unknown		
54666	CLUSTER	YES	157539.4		18.58	21.43	40.01	43130	Valve	16144.14	Valve	12322.93	36	0.312	52	0.25	0.08	14.09	2.26	0.21875	335	904	651	649	0.51	1.08							1250	Unknown		
54679	CLUSTER	YES	157540.1		19.27	20.74	40.01	43130	Valve	16144.83	Valve	12322.24	36	0.312	52	0.15	0.05	4.74	1.95	0.263194	335	1025	738	649	0.45	1.14							1250	Unknown		
54712	MELO-CORR	YES	157542.1		21.28	18.73	40.01	43130	Valve	16146.84	Valve	12320.23	36	0.312	52	0.15	0.05	1.14	0.43	0.290278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54717	MELO-CORR	YES	157542.5		21.71	18.3	40.01	43130	Valve	16147.27	Valve	12319.8	36	0.312	52	0.16	0.05	1.18	0.24	4:44	335	1069	769	649	0.44	1.19							1598	Metal Loss		
54720	CLUSTER	YES	157542.6		21.81	18.2	40.01	43130	Valve	16147.37	Valve	12319.7	36	0.312	52	0.24	0.08	33.35	6.41	5:43	335	883	636	649	0.53	1.04							1250	Unknown		
54755	CLUSTER	YES	157545.3		24.42	15.6	40.01	43130	Valve	16149.98	Valve	12317.1	36	0.312	52	0.17	0.05	1.44	0.57	0.202083	335	1065	767	649	0.44	1.18							1250	Unknown		
54758	CLUSTER	YES	157545.9		25.11	14.91	40.01	43130	Valve	16150.67	Valve	12316.4	36	0.312	52	0.19	0.06	2.39	0.88	0.259028	335	1048	755	649	0.44	1.17							1250	Unknown		
54761	CLUSTER	YES	157551.1		30.28	9.73	40.01	43130	Valve	16155.84	Valve	12311.23	36	0.312	52	0.15	0.05	5.72	1.32	0.261111	335	1015	731	649	0.46	1.13							1250	Unknown		
54764	MELO-CORR	YES	157555.8		35	5.01	40.01	43130	Valve	16160.56	Valve	12306.51	36	0.312	52	0.15	0.05	1.14	0.20	6:24	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54766	CLUSTER	YES	157556.4		35.57	4.44	40.01	43130	Valve	16161.13	Valve	12305.94	36	0.312	52	0.17	0.05	3.13	0.69	5:27	335	1040	749	649	0.45	1.16							1250	Unknown		
54769	MELO-CORR	YES	157556.9		36.1	3.92	40.01	43130	Valve	16161.66	Valve	12305.41	36	0.312	52	0.15	0.05	1.18	0.43	0.272917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54771	CLUSTER	YES	157558.6		37.74	2.28	40.01	43130	Valve	16163.3	Valve	12303.77	36	0.312	52	0.15	0.05	14.23	0.79	0.230556	335	975	702	649	0.48	1.09							1250	Unknown		
54777	GirthWeld		157560.9		40.02	39.71	39.71	43140	Valve	16165.58	Valve	12301.49	36	0.312	52					0.413889	335			649									1250	Unknown		
54779	CLUSTER	YES	157564.2		3.38	36.32	39.71	43140	Valve	16168.96	Valve	12298.11	36	0.312	52	0.16	0.05	2.84	0.76	5:32	335	1047	754	649	0.44	1.17							1250	Unknown		
54781	MELO-CORR	YES	157571.4		10.53	29.17	39.71	43140	Valve	16176.11	Valve	12290.96	36	0.312	52	0.17	0.05	0.91	0.20	6:23	335	1071	771	649	0.43	1.19							1598	Metal Loss		
54783	CLUSTER	YES	157579.9		19.01	20.7	39.71	43140	Valve	16184.59	Valve	12282.48	36	0.312	52	0.17	0.05	4.69	0.66	0.238889	335	1018	733	649	0.46	1.13							1250	Unknown		
54786	GirthWeld		157600.6		39.71	39.68	39.68	43150	Valve	16205.29	Valve	12261.78	36	0.312	52					0.084722	335			649									1250	Unknown		
54787	GirthWeld		157640.2		39.68	39.13	39.13	43160	Valve	16244.97	Valve	12222.1	36	0.312	52					0.123611	335			649									1250	Unknown		
54788	GirthWeld		157679.4		39.13	38.6	38.6	43170	Valve	16284.1	Valve	12182.97	36	0.312	52					10:20	335			649									1250	Unknown		
54789	GirthWeld		157718		38.6	39.71	39.71	43180	Valve	16322.7	Valve	12144.37	36	0.312	52					11:24	335			649									1250	Unknown		
54790	GirthWeld		157757.7		39.71	39.37	39.37	43190	Valve	16362.41	Valve	12104.66	36	0.312	52					0.073611	335			649									1250	Unknown		
54791	GirthWeld		157797.1		39.37	39.05	39.05	43200	Valve	16401.78	Valve	12065.29	36	0.312	52					0.533333	335			649									1250	Unknown		
54792	GirthWeld		157836.1		39.05	39.49	39.49	43210	Valve	16440.83	Valve	12026.24	36	0.312	52					0.443056	335			649									1250	Unknown		
54793	GirthWeld		157875.6		39.49	39.78	39.78	43220	Valve	16480.32	Valve	11986.75	36	0.312	52					11:34	335			649									1250	Unknown		
54794	GirthWeld		157915.4		39.78	39.87	39.87	43230	Valve	16520.1	Valve	11946.97	36	0.312	52					12:56	335			649									1250	Unknown		
54795	GirthWeld		157955.2		39.87	39.37	39.36	43240	Valve	16559.97	Valve	11907.1	36	0.312	52					0.076389	335			649									1250	Unknown		
54797	CLUSTER	YES	157965.8		10.59	28.78	39.36	43240	Valve	16570.56	Valve	11896.51	36	0.312	52	0.2	0.06	18.52	2.52	0.246528	335	930	670	649	0.50	1.07							1250	Unknown		
54816	GirthWeld		157994.6		39.37	39.33	39.33	43250	Valve	16599.34	Valve	11867.73	36	0.312	52					0.440972	335			649									1250	Unknown		
54817	GirthWeld		158033.9		39.33	39.71	39.71	43260	Valve	16638.67	Valve	11828.4	36	0.312	52					11:30	335			649									1250	Unknown		
54818	GirthWeld		158073.7		39.71	39.81	39.81	43270	Valve	16678.38	Valve	11788.69	36	0.312	52					1:10	335			649									1250	Unknown		
54819	GirthWeld		158113.5		39.81	38.63	38.63	43280	Valve	16718.19	Valve	11748.88	36	0.312	52					0.072222	335			649									1250	Unknown		
54820	GirthWeld		158152.1		38.63	39.77	39.77	43290	Valve	16756.82	Valve	11710.25	36	0.312	52					0.377778	335			649									1250	Unknown		
54821	GirthWeld		158191.9		39.77	38.95	38.95	43300	Valve	16796.59	Valve	11670.48	36	0.312	52					0.419444	335			649									1250	Unknown		
54822	MELO-CORR	YES	158210.5		18.6	20.35	38.95	43300	Valve	16815.19	Valve	11651.88	36	0.312	52	0.16	0.05	1.10	0.16	5:49	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54824	CLUSTER	YES	158211		19.18	19.77	38.95	43300	Valve	16815.77	Valve	11651.3	36	0.312	52	0.2	0.06	3.79	2.52	5:35	335	1022	736	649	0.46	1.15							1250	Unknown		
54828	CLUSTER	YES	158212.8		20.94	18.01	38.95	43300	Valve	16817.53	Valve	11649.54	36	0.312	52	0.15	0.05	17.28	3.93	0.267361	335	969	698	649	0.48	1.08							1250	Unknown		
54831	CLUSTER	YES	158213.1		21.24	17.71	38.95	43300	Valve	16817.83	Valve	11649.24	36	0.312	52	0.15	0.05	23.87	7.57	0.238194	335	963	693	649	0.48	1.08							1250	Unknown		
54847	CLUSTER	YES	158214		22.09	16.86	38.95	43300	Valve	16818.68	Valve	11648.39	36	0.312	52	0.2	0.06	6.22	2.61	0.236111	335	987	711	649	0.47	1.12							1250	Unknown		
54857	CLUSTER	YES	158214.5		22.63	16.32	38.95	43300	Valve	16819.22	Valve	11647.85	36	0.312	52	0.18	0.06	1.15	2.64	6:55	335	1068	769	649	0.44	1.18							1250	Unknown		
54864	CLUSTER	YES	158215		23.12	15.83	38.95	43300	Valve	16819.71	Valve	11647.36	36	0.312	52	0.25	0.08	46.91	4.93	5:42	335	866	623	649	0.54	1.05							1250	Unknown		
54872	CLUSTER	YES	158215.4		23.58	15.37	38.95	43300	Valve	16820.17	Valve	11646.9	36	0.312	52	0.15	0.05	5.96	3.96	0.270833	335	1013	729	649	0.46	1.13							1250	Unknown		
54876	MELO-CORR	YES	158215.6		23.71	15.24	38.95	43300	Valve	16820.3	Valve	11646.77	36	0.312	52	0.16	0.05	1.10	0.16	0.30625	335	1069	770	649	0.44	1.19							1598	Metal Loss		
54897	CLUSTER	YES	158217.3		25.42	13.53	38.95	43300	Valve	16822.01	Valve	11645.06	36	0.312	52	0.19	0.06	6.10	1.16	0.269444	335	993	715	649	0.47	1.13							1250	Unknown		
54910	CLUSTER	YES	158218.2		26.32	12.63	38.95	43300	Valve	16822.91	Valve	11644.16	36	0.312	52	0.15	0.05	7.40	1.13	6:16	335	1002	721	649	0.46	1.11							1250	Unknown		
54919	CLUSTER	YES	158219		27.1	11.85	38.95	43300	Valve	16823.69	Valve	11643.38	36	0.312	52	0.16	0.05	14.15	6.63	5:38	335	968	697	649	0.48	1.09							1250	Unknown		
54932	CLUSTER	YES	158220		28.16	10.79	38.95	43300	Valve	16824.75	Valve	11642.32	36	0.312	52	0.19	0.06	22.13	6.94	0.236111	335	933	672	649	0.50	1.07							1250	Unknown		
54937	MELO-CORR	YES	158220.5		28.62	10.33	38.95	43300	Valve	16825.21	Valve	11641.86	36	0.312	52	0.19	0.06	1.18	0.35	0.196528	335	1067	768	649	0.44	1.18							1598	Metal Loss		
54946	CLUSTER	YES	158221.5		29.59	9.36	38.95	43300	Valve	16826.18	Valve	11640.89	36	0.312	52	0.19	0.06	14.46	1.57	0.264583	335	946	681	649	0.49	1.09							1250	Unknown		
54954	MELO-CORR	YES	158224.7		32.81	6.14	38.95	43300	Valve	16829.4	Valve	11637.67	36	0.312	52	0.18	0.06	0.91	0.39	6:30	335	1070	771	649	0.43	1.19							1598	Metal Loss		
54956	CLUSTER	YES	158225.3		33.47	5.48	38.95	43300	Valve	16830.06	Valve	11637.01	36	0.312	52	0.17	0.05	26.54	2.14	5:25	335	945	681	649	0.49	1.08							1250	Unknown		
54969	CLUSTER	YES	158230.3		38.42	0.53	38.95	43300	Valve	16835.01	Valve	11632.06	36	0.312	52	0.17	0.05	3.31	0.54	0.280556	335	1038	747	649	0.45	1.16							1250	Unknown		
54971	GirthWeld		158230.8		38.95	40.04	40.04	43310	Valve	16835.54	Valve	11631.53	36	0.312	52					0.064583	335			649									1250	Unknown		
54973	CLUSTER	YES	158230.9		0.12	39.91	40.04	43310	Valve	16835.66	Valve	11631.41	36	0.312	52	0.18	0.06	9.53	1.42	0.214583	335	972	700	649	0.48	1.09							1250	Unknown		
54982	CLUSTER	YES	158240.3		9.47	30.57	40.04	43310	Valve	16845.01	Valve	11622.06	36	0.312	52	0.23	0.07	5.45	0.82	5:15	335	983	708	649	0.47	1.11							1250	Unknown		
54986	CLUSTER	YES	158241.6		10.75	29.29	40.04	43310	Valve	16846.29	Valve	11620.78	36	0.312	52	0.17	0.05	9.48	2.08	5:11	335	978	704	649	0.48	1.09							1250	Unknown		
54994	CLUSTER	YES	158248.5		17.7	22.33	40.04	43310	Valve	16853.24	Valve	11613.83	36	0.312	52	0.15	0.05	3.58	0.72	0.3375	335	1039	748	649	0.45	1.16							1250	Unknown		
54996	MELO-CORR	YES	158249.4		18.56	21.47	40.04	43310	Valve	16854.1	Valve	11612.97	36	0.312	52	0.15	0.05	1.10	0.32	0.304861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
54998	CLUSTER	YES	158254.6		23.79	16.25	40.04	43310	Valve	16859.33	Valve	11607.74	36	0.312	52	0.27	0.08	8.93	0.91	0.238194	335	920	662	649	0.51	1.06							1250	Unknown		
55002	CLUSTER	YES	158254.9		24.1	15.93	40.04	43310	Valve	16859.64	Valve	11607.43	36	0.312	52	0.16	0.05	4.01	0.57	6:17	335	1030	742	649	0.45	1.14							1250	Unknown		
55007	CLUSTER	YES	158257.3		26.5	13.53	40.04	43310	Valve	16862.04	Valve	11605.03	36	0.312	52	0.17	0.05	6.16	0.63	6:18	335	1002

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
55043	MELO-CORR	YES	158506.2		38.17	1.7	39.87	43370	Valve	17110.9	Valve	11356.17	36	0.312	52	0.15	0.05	1.02	0.20	5:30	335	1070	771	649	0.43	1.19							1598	Metal Loss		
55044	GirthWeld		158507.9		39.87	39.58	39.57	43380	Valve	17112.6	Valve	11354.47	36	0.312	52					1:30	335			649									1250	Unknown		
55046	CLUSTER	YES	158508		0.16	39.42	39.57	43380	Valve	17112.76	Valve	11354.31	36	0.312	52	0.15	0.05	6.70	2.08	0.257639	335	1007	725	649	0.46	1.12							1250	Unknown		
55051	CLUSTER	YES	158510		2.14	37.44	39.57	43380	Valve	17114.74	Valve	11352.33	36	0.312	52	0.19	0.06	11.96	6.32	0.236111	335	954	687	649	0.49	1.08							1250	Unknown		
55060	CLUSTER	YES	158511.2		3.29	36.29	39.57	43380	Valve	17115.89	Valve	11351.18	36	0.312	52	0.15	0.05	13.90	2.48	0.245139	335	976	702	649	0.48	1.09							1250	Unknown		
55069	MELO-CORR	YES	158515.7		7.86	31.72	39.57	43380	Valve	17120.46	Valve	11346.61	36	0.312	52	0.17	0.05	1.10	0.24	5:45	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55070	MELO-CORR	YES	158516.9		9.01	30.56	39.57	43380	Valve	17121.61	Valve	11345.46	36	0.312	52	0.17	0.05	1.18	0.24	6:24	335	1068	769	649	0.44	1.19							1598	Metal Loss		
55072	CLUSTER	YES	158519.9		12.05	27.52	39.57	43380	Valve	17124.65	Valve	11342.42	36	0.312	52	0.17	0.05	5.32	2.39	0.247917	335	1011	728	649	0.46	1.12							1250	Unknown		
55076	GirthWeld		158547.5		39.58	38.95	38.95	43390	Valve	17152.18	Valve	11314.89	36	0.312	52					0.423611	335			649									1250	Unknown		
55077	GirthWeld		158586.4		38.95	39.79	39.79	43400	Valve	17191.13	Valve	11275.94	36	0.312	52					0.463889	335			649									1250	Unknown		
55079	CLUSTER	YES	158617.3		30.88	8.92	39.79	43400	Valve	17222.01	Valve	11245.06	36	0.312	52	0.15	0.05	4.82	3.11	5:48	335	1024	737	649	0.45	1.14							1250	Unknown		
55086	CLUSTER	YES	158624.8		38.43	1.36	39.79	43400	Valve	17229.56	Valve	11237.51	36	0.312	52	0.17	0.05	10.55	1.76	6:06	335	973	701	649	0.48	1.10							1250	Unknown		
55090	GirthWeld		158626.2		39.79	39.88	39.87	43410	Valve	17230.92	Valve	11236.15	36	0.312	52					0.045833	335			649									1250	Unknown		
55091	GirthWeld		158666.1		39.88	39.65	39.65	43420	Valve	17270.8	Valve	11196.27	36	0.312	52					0.527778	335			649									1250	Unknown		
55092	GirthWeld		158705.7		39.65	39.85	39.85	43430	Valve	17310.45	Valve	11156.62	36	0.312	52					0.429167	335			649									1250	Unknown		
55093	GirthWeld		158745.6		39.85	35.34	35.34	43440	Valve	17350.3	Valve	11116.77	36	0.312	52					11:12	335			649									1250	Unknown		
55094	GirthWeld		158780.9		35.34	39.24	39.24	43450	Valve	17385.64	Valve	11081.43	36	0.312	52					12:52	335			649									1250	Unknown		
55095	GirthWeld		158820.2		39.24	39.75	39.75	43460	Valve	17424.88	Valve	11042.19	36	0.312	52					0.494444	335			649									1250	Unknown		
55096	GirthWeld		158859.9		39.75	38.95	38.95	43470	Valve	17464.63	Valve	11002.44	36	0.312	52					0.075	335			649									1250	Unknown		
55097	GirthWeld		158898.9		38.95	39.79	39.79	43480	Valve	17503.58	Valve	10963.49	36	0.312	52					0.045833	335			649									1250	Unknown		
55098	GirthWeld		158938.6		39.79	39.39	39.39	43490	Valve	17543.37	Valve	10923.7	36	0.312	52					10:10	335			649									1250	Unknown		
55099	GirthWeld		158978		39.39	38.39	38.39	43500	Valve	17582.76	Valve	10884.31	36	0.312	52					11:10	335			649									1250	Unknown		
55100	GirthWeld		159016.4		38.39	39.44	39.45	43510	Valve	17621.15	Valve	10845.92	36	0.312	52					0.520833	335			649									1250	Unknown		
55101	GirthWeld		159055.9		39.44	32.18	32.18	43520	Valve	17660.6	Valve	10806.48	36	0.312	52					0.070833	335			649									1250	Unknown		
55102	GirthWeld		159088		32.18	39.24	39.24	43530	Valve	17692.77	Valve	10774.3	36	0.312	52					0.068056	335			649									1250	Unknown		
55103	GirthWeld		159127.3		39.24	39.46	39.46	43540	Valve	17732.01	Valve	10735.06	36	0.312	52					10:28	335			649									1250	Unknown		
55104	MELO-CORR	YES	159143.4		16.08	23.39	39.46	43540	Valve	17748.09	Valve	10718.98	36	0.312	52	0.16	0.05	3.50	0.16	6:15	335	1037	747	649	0.45	1.15							1598	Metal Loss		
55106	CLUSTER	YES	159144.3		17.02	22.45	39.46	43540	Valve	17749.03	Valve	10718.04	36	0.312	52	0.16	0.05	5.41	0.60	0.242361	335	1014	730	649	0.46	1.12							1250	Unknown		
55109	CLUSTER	YES	159145.2		17.89	21.57	39.46	43540	Valve	17749.9	Valve	10717.17	36	0.312	52	0.18	0.06	9.88	2.04	0.233333	335	970	698	649	0.48	1.09							1250	Unknown		
55116	CLUSTER	YES	159148		20.7	18.76	39.46	43540	Valve	17752.71	Valve	10714.36	36	0.312	52	0.2	0.06	7.70	1.76	0.264583	335	972	700	649	0.48	1.10							1250	Unknown		
55122	GirthWeld		159166.7		39.46	39.75	39.75	43550	Valve	17771.47	Valve	10695.6	36	0.312	52					3:05	335			649									1250	Unknown		
55123	MELO-CORR	YES	159183.8		17.08	22.67	39.75	43550	Valve	17788.55	Valve	10678.52	36	0.312	52	0.15	0.05	0.91	0.63	6:19	335	1071	771	649	0.43	1.19							1598	Metal Loss		
55124	GirthWeld		159206.5		39.75	39.71	39.71	43560	Valve	17811.22	Valve	10655.85	36	0.312	52					0.080556	335			649									1250	Unknown		
55125	GirthWeld		159246.2		39.71	38.82	38.82	43570	Valve	17850.93	Valve	10616.14	36	0.312	52					0.379167	335			649									1250	Unknown		
55126	GirthWeld		159285		38.82	39.18	39.19	43580	Valve	17889.75	Valve	10577.32	36	0.312	52					0.409722	335			649									1250	Unknown		
55127	GirthWeld		159324.2		39.18	30.54	30.54	43590	Valve	17928.93	Valve	10538.14	36	0.312	52					2:40	335			649									1250	Unknown		
55128	GirthWeld		159354.7		30.54	40.02	40.02	43600	Valve	17959.47	Valve	10507.6	36	0.312	52					1:34	335			649									1250	Unknown		
55130	CLUSTER	YES	159356.6		1.85	38.16	40.02	43600	Valve	17961.32	Valve	10505.75	36	0.312	52	0.21	0.07	18.31	1.23	0.244444	335	923	665	649	0.50	1.05							1250	Unknown		
55139	MELO-CORR	YES	159362.2		7.44	32.58	40.02	43600	Valve	17966.91	Valve	10500.16	36	0.312	52	0.15	0.05	1.18	0.20	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55140	MELO-CORR	YES	159362.8		8.05	31.97	40.02	43600	Valve	17967.52	Valve	10499.55	36	0.312	52	0.15	0.05	1.14	0.20	0.266667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55142	CLUSTER	YES	159364.7		9.91	30.11	40.02	43600	Valve	17969.38	Valve	10497.69	36	0.312	52	0.16	0.05	7.76	0.76	6:16	335	994	716	649	0.47	1.11							1250	Unknown		
55147	CLUSTER	YES	159365.3		10.6	29.42	40.02	43600	Valve	17970.07	Valve	10497	36	0.312	52	0.17	0.05	4.60	0.50	5:44	335	1019	734	649	0.46	1.14							1250	Unknown		
55150	CLUSTER	YES	159367.6		12.85	27.17	40.02	43600	Valve	17972.32	Valve	10494.75	36	0.312	52	0.19	0.06	26.87	3.11	0.2625	335	929	669	649	0.50	1.08							1250	Unknown		
55165	CLUSTER	YES	159377.7		22.99	17.02	40.02	43600	Valve	17982.46	Valve	10484.61	36	0.312	52	0.15	0.05	2.65	0.57	0.243056	335	1052	757	649	0.44	1.17							1250	Unknown		
55168	CLUSTER	YES	159378.6		23.84	16.17	40.02	43600	Valve	17983.31	Valve	10483.76	36	0.312	52	0.16	0.05	2.16	0.54	0.244444	335	1056	761	649	0.44	1.17							1250	Unknown		
55171	CLUSTER	YES	159386.3		31.59	8.43	40.02	43600	Valve	17991.06	Valve	10476.01	36	0.312	52	0.24	0.08	8.18	1.60	5:50	335	945	680	649	0.49	1.10							1250	Unknown		
55175	GirthWeld		159394.8		40.02	38.06	38.07	43610	Valve	17999.49	Valve	10467.58	36	0.312	52					10:32	335			649									1250	Unknown		
55176	GirthWeld		159432.8		38.06	39.16	39.16	43620	Valve	18037.55	Valve	10429.52	36	0.312	52					0.404167	335			649									1250	Unknown		
55177	GirthWeld		159472		39.16	38.16	38.16	43630	Valve	18076.71	Valve	10390.36	36	0.312	52					0.441667	335			649									1250	Unknown		
55178	GirthWeld		159510.1		38.16	37.75	37.75	43640	Valve	18114.87	Valve	10352.2	36	0.312	52					0.486111	335			649									1250	Unknown		
55179	GirthWeld		159547.9		37.75	39.87	39.88	43650	Valve	18152.62	Valve	10314.45	36	0.312	52					1:08	335			649									1250	Unknown		
55180	GirthWeld		159587.8		39.87	39.83	39.82	43660	Valve	18192.49	Valve	10274.58	36	0.312	52					12:32	335			649									1250	Unknown		
55181	GirthWeld		159627.6		39.83	39.21	39.22	43670	Valve	18232.32	Valve	10234.75	36	0.312	52					0.481944	335			649									1250	Unknown		
55182	GirthWeld		159666.8		39.21	39.77	39.76	43680	Valve	18271.53	Valve	10195.54	36	0.312	52					0.456944	335			649									1250	Unknown		
55183	GirthWeld		159706.6		39.77	39.91	39.91	43690	Valve	18311.3	Valve	10155.77	36	0.312	52					0.5375	335			649									1250	Unknown		
55184	GirthWeld		159746.5		39.9	39.3	39.3	43700	Valve	18351.21	Valve	10115.86	36	0.312	52					12:34	335			649									1250	Unknown		
55186	CLUSTER	YES	159772.2		25.76	13.53	39.3	43700	Valve	18376.97	Valve	10090.1	36	0.312	52	0.15	0.05	2.98	1.54	6:01	335	1047	754	649	0.44	1.16							1250	Unknown		
55190	CLUSTER	YES	159774.9		28.4	10.9	39.3	43700	Valve	18379.61	Valve	10087.46	36	0.312	52	0.17	0.05	12.56	2.61	0.247917	335	966	695	649	0.48	1.10							1250	Unknown		
55200	CLUSTER	YES	159780.3		33.79	5.51	39.3	43700	Valve	18385	Valve	10082.07	36	0.312	52	0.21	0.07	4.61	1.01	0.24375	335	1005	723	649	0.46	1.12							1250	Unknown		
55203	GirthWeld		159785.8		39.3	40	40.01	43710	Valve	18390.51	Valve	10076.56	36	0.312	52					0.465278	335			649									1250	Unknown		
55204	MIFE	n/a	159814.8		28.99	11.01	40.01	43710	Valve	18419.5	Valve	10047.57	36	0.312	52					1:42	335			649									2167	Mill Anomaly		
55205	GirthWeld		159825.8		40	39.78	39.78	43720	Valve	18430.51	Valve	10036.56	36	0.312	52					10:48	335			649									1250	Unknown		
55206	GirthWeld		159865.6		39.78	39.87	39.87	43730	Valve	18470.29	Valve	9996.78	36	0.312	52					0.083333	335			649									1250	Unknown		
55207	GirthWeld		159905.4		39.87	39.8	39.79	43740	Valve	18510.16	Valve	9956.91	36	0.312	52					0.538889	335			649									1250	Unknown		
55208	GirthWeld		159945.2		39.8	30.54	30.54	43750	Valve	18549.96	Valve	9917.11	36	0.312	52					0.476389	335			649									1250	Unknown		
55209	GirthWeld		159975.8		30.54	39.81	39.81	43760	Valve	18580.5	Valve	9886.57	36	0.312	52					10:38	335			649									1250	Unknown		
55210	GirthWeld		160015.6		39.81	32.35	32.35	43770	Valve	18620.31	Valve	9846.76	36	0.312	52					1:32	335			649									1250	Unknown		
55211	GirthWeld		160047.9		32.35	38.82	38.82	43780	Valve	18652.66	Valve	9814.41	36	0.312	52					0.525	335			649									1250	Unknown		
55212	GirthWeld		160086.8		38.82	39.23	39.23	43790	Valve	18691.48	Valve	9775.59	36	0.312	52					0.4375	335			649									1250	Unknown		
55213	GirthWeld		160126		39.23	38.89	38.89	43800	Valve	18730.71	Valve	9736.36	36	0.312	52					0.469444	335			649									1250	Unknown		
55214	GirthWeld		160164.9		38.89	39.86	39.86	43810	Valve	18769.6	Valve	9697.47	36	0.312	52					1:16	335			649									1250	Unknown		
55215	GirthWeld		160204.7		39.86	39.18	39.18	43820	Valve	18809.46	Valve	9657.61	36	0.312	52					12:30	335			649									1250	Unknown		
55216	GirthWeld		160243.9		39.18	30.35	30.35	43830	Valve	18848.64	Valve	9618.43	36	0.312	52					0.480556	335			649									1250	Unknown		
55217	GirthWeld		160274.3		30.35	35.81	35.81	43840	Valve	18878.99	Valve	9588.08	36	0.312	52					0.452778	335			649									1250	Unknown		
55218	GirthWeld		160310.1		35.81	39.88	39.88	43850	Valve	18914.8	Valve	9552.27	36	0.312	52					0.083333	335			649									1250	Unknown		
55219	GirthWeld		160350		39.88	38.95	38.95	43860	Valve	18954.68	Valve	9512.39	36	0.312	52					12:50	335			649									1250	Unknown		
55220	GirthWeld		160388.9		38.95	39.65	39.65	43870	Valve	18993.63	Valve	9473.44	36	0.312	52					11:16	335			649									1250	Unknown		
55221	GirthWeld		160428.6		39.65	39.45	39.46	43880	Valve	19033.28	Valve	9433.79	36	0.312	52					0.5375	335			649									1250	Unknown		
55223	CLUSTER	YES	160431.4		2.89	36.56	39.46	43880	Valve	19036.17	Valve	9430.9	36	0.312	52	0.16	0.05	7.28	0.60	0.258333	335	997	718	649	0.47	1.12							1250	Unknown		
55227	CLUSTER	YES	160443.5		14.91	24.54	39.46	43880	Valve	19048.19	Valve	9418.88	36	0.312	52	0.17	0.05	8.88	1.70	0.252778	335	981	707	649	0.47	1.09							1250	Unknown		
55235	GirthWeld		160468		39.45	39.15	39.14	43890	Valve	19072.73	Valve	9394.34	36	0.312	52					10:16	335			649									1250	Unknown		
55237	CLUSTER	YES	160492.1		24.05	15.1	39.14	43890	Valve	19096.78	Valve	9370.29	36	0.312	52	0.15	0.05	5.80	0.60	6:19	335	1014	730	649	0.46	1.13							1250	Unknown		
55239	GirthWeld		160507.2		39.15	38.78	38.79	43900	Valve	19111.88	Valve	9355.19	36	0.312	52					0.470833	335			649									1250	Unknown		
55240	GirthWeld		160545.9		38.78	39.74	39.74	43910	Valve	19150.66	Valve	9316.41	36	0.312	52					0.054167	335			649									1250	Unknown		
55241	GirthWeld		160585.7		39.74	39.28	39.28	43920	Valve	19190.4	Valve	9276.67	36	0.312	52					0.527778	335			649									1250	Unknown		
55242	GirthWeld		160625		39.28	39.5	39.5	43930	Valve	19229.68	Valve	9237.39	36	0.312	52					10:58	335			649									1250	Unknown		
55243	GirthWeld		160664.5		39.5	25.2	25.2	43940	Valve	19269.18	Valve	9197.89	36	0.312	52					12:00	335			649									1250	Unknown		
55244	GirthWeld		160689.7		25.2	39.86	39.85	43950	Valve	19294.38	Valve	9172.69	36	0.312	52					0.111111	335			649									1250	Unknown		
55245	GirthWeld		160729.5		39.86	39.72	39.72	43960	Valve	19334.24	Valve	9132.83	36	0.312	52					0.086111	335			649									1250	Unknown		
55246	GirthWeld		160769.2		39.72	38.43	38.43	43970	Valve	19373.96	Valve	9093.11	36	0.312	52					0.402778	335			649									1250	Unknown		
55248	CLUSTER	YES	160791.8		22.6	15.83	38.43	43970	Valve	19396.56	Valve	9070.51	36	0.312	52	0.19	0.06	12.64	1.26	6:13	335	952	685	649	0.49	1.09							1250	Unknown		
55254	CLUSTER	YES	160794.3		25.09	13.34	38.43	43970	Valve	19399.05	Valve	9068.02	36	0.312	52	0.25	0.08	19.92	2.96	6:10	335	890	641	649	0.52	1.05							1250	Unknown		
55267	GirthWeld		160807.7		38.43	39.96	39.96	43980	Valve	19412.39	Valve	9054.68	36	0.312	52					0.45	335			649									1250	Unknown		
55268	MELO-CORR	YES	160812.1		4.41	35.55	39.96	43980	Valve	19416.8	Valve	9050.27	36	0.312	52	0.15	0.05	1.18	0.20	0.275694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55270	CLUSTER	YES	160832.8		25.18	14.78	39.96	43980	Valve	19437.57	Valve	9029.5	36	0.312	52	0.23	0.07	7.00	0.72	0.270139	335	963	693	649	0.48	1.09							1250	Unknown		
55274	GirthWeld		160847.6		39.96	39.44	39.44	43990	Valve	19452.35	Valve	9014.72	36	0.312	52					1:32	335			649									1250	Unknown		
55275	GirthWeld		160887.1		39.44	35.52	35.52	44000	Valve	19491.79	Valve	8975.28	36	0.312	52					12:46	335			649									1250	Unknown		
55276	GirthWeld		160922.6		35.52	34.3	34.29	44010	Valve	19527.31	Valve	8939.76	36	0.312	52					0.477778	335			649									1250	Unknown		
55277	GirthWeld		160956.9		34.3	39.73	39.73	44020	Valve	19561.61	Valve	8905.46	36	0.312	52					0.448611	335			649									1250	Unknown		
55278	GirthWeld		160996.6		39.73	39.38	39.38	44030	Valve	19601.34	Valve	8865.73	36	0.312	52					0.518056	335			649									1250	Unknown		
55279	GirthWeld		161036		39.38	39.67	39.67	44040	Valve	19640.72	Valve	8826.35	36	0.312	52					12:48	335			649									1250	Unknown		
55280	GirthWeld		161075.7		39.67	39.86	39.86	44050	Valve	19680.39	Valve	8786.68	36	0.312	52					10:08	335			649									1250	Unknown		
55281	GirthWeld		161115.5		39.86	39.25	39.25	44060	Valve	19720.25	Valve	8746.82	36	0.312	52					0.479167	335			649									1250	Unknown		
55282	GirthWeld		161154.8		39.25	39.88	39.88	44070	Valve	19759.5	Valve	8707.57	36	0.312	52					0.531944	335			649									1250	Unknown		
55283	GirthWeld		161194.7		39.88	27.55	27.55	44080	Valve	19799.38	Valve	8667.69	36	0.312	52					0.5125	335			649									1250	Unknown		
55284	GirthWeld		161222.2		27.55	38.84	38.83	44090	Valve	19826.93	Valve	8640.14	36	0.312	52					2:12	335			649									1250	Unknown		
55285	GirthWeld		161261		38.83	39.51	39.51	44100	Valve	19865.77	Valve	8601.3	36	0.312	52					3:40	335			649									1250	Unknown		
55286	GirthWeld		161300.6		39.51	39.36	39.36	44110	Valve	19905.28	Valve	8561.79	36	0.312	52					0.424306	335			649									1250	Unknown		
55287	LWFE-MIFE	n/a	161301.5		0.96	38.4	39.36	44110	Valve	19906.24	Valve	8560.83	36	0.312	52	0.29	0.09	2.05	0.43	0.422917	335			649									3421	Mill Wall Thinning		
55289	CLUSTER	YES	161309.1		8.57	30.8	39.36	44110	Valve	19913.85	Valve	8553.22	36	0.312	52	0.17	0.05	24.78	4.18	0.252778	335	947	681	649	0.49	1.07							1250	Unknown		
55304	CLUSTER	YES	161311.7		11.16	28.2	39.36	44110	Valve	19916.44	Valve	8550.63	36	0.312	52	0.18	0.06	4.52	0.72	6:06	335	1017	732	649	0.46	1.14							1250	Unknown		
55308	CLUSTER	YES	161313		12.49	26.88	39.36	44110	Valve	19917.77	Valve	8549.3	36	0.312	52	0.19	0.06	5.44	0.41	5:47	335	1001	721	649	0.46	1.13							1250	Unknown		
55311	CLUSTER	YES	161313.9		13.36	26.01	39.36	44110	Valve	19918.64	Valve	8548.43	36	0.312	52	0.15	0.05	15.78	5.37	0.234028	335	972	700	649	0.48	1.09							1250	Unknown		
55315	CLUSTER	YES	161314.3		13.78	25.58	39.36	44110	Val

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
55347	CLUSTER	YES	161319.3		18.75	20.61	39.36	44110	Valve	19924.03	Valve	8543.04	36	0.312	52	0.16	0.05	10.72	0.94	6:12	335	979	705	649	0.48	1.10							1250	Unknown		
55352	GirthWeld		161339.9		39.36	40.04	40.04	44120	Valve	19944.64	Valve	8522.43	36	0.312	52					9:34	335			649									1250	Unknown		
55354	CLUSTER	YES	161355.7		15.83	24.21	40.04	44120	Valve	19960.47	Valve	8506.6	36	0.312	52	0.15	0.05	9.42	0.94	0.2375	335	990	713	649	0.47	1.10							1250	Unknown		
55360	GirthWeld		161380		40.04	39.87	39.87	44130	Valve	19984.68	Valve	8482.39	36	0.312	52					0.088889	335			649									1250	Unknown		
55361	GirthWeld		161419.8		39.87	39.66	39.66	44140	Valve	20024.55	Valve	8442.52	36	0.312	52					0.120833	335			649									1250	Unknown		
55362	GirthWeld		161459.5		39.66	39.44	39.44	44150	Valve	20064.21	Valve	8402.86	36	0.312	52					10:46	335			649									1250	Unknown		
55363	GirthWeld		161498.9		39.44	38.02	38.02	44160	Valve	20103.65	Valve	8363.42	36	0.312	52					11:30	335			649									1250	Unknown		
55364	GirthWeld		161536.9		38.02	39.94	39.94	44170	Valve	20141.67	Valve	8325.4	36	0.312	52					0.090278	335			649									1250	Unknown		
55365	GirthWeld		161576.9		39.93	39.85	39.85	44180	Valve	20181.61	Valve	8285.46	36	0.312	52					0.136111	335			649									1250	Unknown		
55366	LWFE	n/a	161605.4		28.52	11.32	39.85	44180	Valve	20210.13	Valve	8256.94	36	0.312	52					0.134722	335			649									2168	seam weld anomaly		
55367	GirthWeld		161616.7		39.84	39.82	39.82	44190	Valve	20221.45	Valve	8245.62	36	0.312	52					11:50	335			649									1250	Unknown		
55368	GirthWeld		161656.5		39.82	39.79	39.79	44200	Valve	20261.27	Valve	8205.8	36	0.312	52					11:18	335			649									1250	Unknown		
55369	GirthWeld		161696.3		39.79	39.09	39.09	44210	Valve	20301.06	Valve	8166.01	36	0.312	52					0.048611	335			649									1250	Unknown		
55370	GirthWeld		161735.4		39.09	39.9	39.9	44220	Valve	20340.15	Valve	8126.92	36	0.312	52					0.539583	335			649									1250	Unknown		
55372	CLUSTER	YES	161744.8		9.34	30.56	39.9	44220	Valve	20349.49	Valve	8117.58	36	0.312	52	0.22	0.07	13.98	1.79	0.247917	335	926	667	649	0.50	1.08							1250	Unknown		
55383	CLUSTER	YES	161746.6		11.17	28.73	39.9	44220	Valve	20351.32	Valve	8115.75	36	0.312	52	0.23	0.07	8.20	2.01	5:57	335	951	685	649	0.49	1.09							1250	Unknown		
55389	MELO-CORR	YES	161752.7		17.26	22.64	39.9	44220	Valve	20357.41	Valve	8109.66	36	0.312	52	0.17	0.05	1.22	0.47	6:10	335	1068	769	649	0.44	1.18							1598	Metal Loss		
55390	MELO-CORR	YES	161754.6		19.16	20.74	39.9	44220	Valve	20359.31	Valve	8107.76	36	0.312	52	0.18	0.06	1.22	0.32	0.243056	335	1067	768	649	0.44	1.18							1598	Metal Loss		
55392	CLUSTER	YES	161755.1		19.66	20.24	39.9	44220	Valve	20359.81	Valve	8107.26	36	0.312	52	0.19	0.06	8.00	2.29	0.245833	335	976	703	649	0.48	1.11							1250	Unknown		
55397	CLUSTER	YES	161757.2		21.73	18.17	39.9	44220	Valve	20361.88	Valve	8105.19	36	0.312	52	0.15	0.05	4.03	0.60	0.245139	335	1033	744	649	0.45	1.15							1250	Unknown		
55400	CLUSTER	YES	161757.8		22.35	17.56	39.9	44220	Valve	20362.5	Valve	8104.57	36	0.312	52	0.15	0.05	4.38	0.60	5:53	335	1029	741	649	0.45	1.14							1250	Unknown		
55402	MELO-CORR	YES	161758.7		23.23	16.68	39.9	44220	Valve	20363.38	Valve	8103.69	36	0.312	52	0.16	0.05	1.10	0.47	5:47	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55404	CLUSTER	YES	161759.8		24.33	15.57	39.9	44220	Valve	20364.48	Valve	8102.59	36	0.312	52	0.33	0.10	11.60	1.13	0.245139	335	858	618	649	0.54	1.09							1250	Unknown		
55410	CLUSTER	YES	161760.8		25.38	14.52	39.9	44220	Valve	20365.53	Valve	8101.54	36	0.312	52	0.21	0.07	4.00	0.44	0.245833	335	1015	731	649	0.46	1.13							1250	Unknown		
55413	MELO-CORR	YES	161761.6		26.21	13.69	39.9	44220	Valve	20366.36	Valve	8100.71	36	0.312	52	0.16	0.05	1.18	0.16	0.247222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
55414	MELO-CORR	YES	161762.5		27.05	12.85	39.9	44220	Valve	20367.2	Valve	8099.87	36	0.312	52	0.15	0.05	1.22	0.16	5:59	335	1069	769	649	0.44	1.19							1598	Metal Loss		
55416	CLUSTER	YES	161764.6		29.13	10.78	39.9	44220	Valve	20369.28	Valve	8097.79	36	0.312	52	0.17	0.05	3.47	1.35	6:02	335	1035	745	649	0.45	1.16							1250	Unknown		
55419	GirthWeld		161775.3		39.9	39.77	39.77	44230	Valve	20380.05	Valve	8087.02	36	0.312	52					0.419444	335			649									1250	Unknown		
55420	GirthWeld		161815.1		39.77	39.77	39.77	44240	Valve	20419.82	Valve	8047.25	36	0.312	52					0.458333	335			649									1250	Unknown		
55421	GirthWeld		161854.9		39.77	38.9	38.9	44250	Valve	20459.59	Valve	8007.48	36	0.312	52					0.525	335			649									1250	Unknown		
55422	GirthWeld		161893.8		38.9	39.81	39.81	44260	Valve	20498.49	Valve	7968.58	36	0.312	52					1:14	335			649									1250	Unknown		
55423	GirthWeld		161933.6		39.81	39.86	39.86	44270	Valve	20538.3	Valve	7928.77	36	0.312	52					11:50	335			649									1250	Unknown		
55424	GirthWeld		161973.4		39.86	38.13	38.12	44280	Valve	20578.16	Valve	7888.91	36	0.312	52					0.461111	335			649									1250	Unknown		
55425	GirthWeld		162011.6		38.13	39.86	39.86	44290	Valve	20616.29	Valve	7850.78	36	0.312	52					0.073611	335			649									1250	Unknown		
55427	CLUSTER	YES	162047.8		36.21	3.65	39.86	44290	Valve	20652.5	Valve	7814.57	36	0.312	52	0.22	0.07	15.47	2.67	0.241667	335	922	664	649	0.50	1.07							1250	Unknown		
55433	MELO-CORR	YES	162049.9		38.33	1.52	39.86	44290	Valve	20654.63	Valve	7812.45	36	0.312	52	0.16	0.05	1.22	0.39	6:15	335	1068	769	649	0.44	1.19							1598	Metal Loss		
55435	CLUSTER	YES	162050.1		38.58	1.27	39.86	44290	Valve	20654.87	Valve	7812.2	36	0.312	52	0.19	0.06	12.58	3.24	5:57	335	952	685	649	0.49	1.08							1250	Unknown		
55446	GirthWeld		162051.4		39.86	40.08	40.08	44300	Valve	20656.15	Valve	7810.92	36	0.312	52					0.104167	335			649									1250	Unknown		
55448	CLUSTER	YES	162051.6		0.18	39.9	40.08	44300	Valve	20656.33	Valve	7810.74	36	0.312	52	0.16	0.05	4.19	2.29	0.255556	335	1028	740	649	0.45	1.15							1250	Unknown		
55451	CLUSTER	YES	162052.2		0.75	39.33	40.08	44300	Valve	20656.9	Valve	7810.17	36	0.312	52	0.2	0.06	18.37	3.02	0.244444	335	931	670	649	0.50	1.07							1250	Unknown		
55462	MELO-CORR	YES	162058.6		7.2	32.88	40.08	44300	Valve	20663.35	Valve	7803.72	36	0.312	52	0.16	0.05	1.10	0.24	6:38	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55464	CLUSTER	YES	162061.2		9.74	30.33	40.08	44300	Valve	20665.9	Valve	7801.17	36	0.312	52	0.15	0.05	14.45	4.24	5:49	335	974	702	649	0.48	1.09							1250	Unknown		
55477	CLUSTER	YES	162062.2		10.81	29.27	40.08	44300	Valve	20666.96	Valve	7800.11	36	0.312	52	0.15	0.05	3.12	1.20	0.259722	335	1045	753	649	0.45	1.16							1250	Unknown		
55480	MELO-CORR	YES	162062.5		11.06	29.01	40.08	44300	Valve	20667.21	Valve	7799.86	36	0.312	52	0.17	0.05	0.87	0.32	0.269444	335	1071	771	649	0.43	1.19							1598	Metal Loss		
55482	CLUSTER	YES	162062.8		11.37	28.71	40.08	44300	Valve	20667.52	Valve	7799.55	36	0.312	52	0.19	0.06	31.45	10.71	0.231125	335	926	666	649	0.50	1.07							1250	Unknown		
55523	CLUSTER	YES	162065.8		14.38	25.7	40.08	44300	Valve	20670.53	Valve	7796.54	36	0.312	52	0.21	0.07	2.57	2.11	5:40	335	1042	750	649	0.45	1.16							1250	Unknown		
55527	CLUSTER	YES	162066		14.61	25.47	40.08	44300	Valve	20670.76	Valve	7796.31	36	0.312	52	0.15	0.05	43.44	11.37	5:23	335	952	685	649	0.49	1.07							1250	Unknown		
55532	CLUSTER	YES	162066.4		14.97	25.11	40.08	44300	Valve	20671.12	Valve	7795.95	36	0.312	52	0.19	0.06	6.41	1.16	0.274306	335	990	713	649	0.47	1.12							1250	Unknown		
55589	CLUSTER	YES	162070.4		18.99	21.09	40.08	44300	Valve	20675.14	Valve	7791.93	36	0.312	52	0.15	0.05	1.80	1.23	0.268056	335	1062	765	649	0.44	1.18							1250	Unknown		
55592	CLUSTER	YES	162070.6		19.19	20.89	40.08	44300	Valve	20675.34	Valve	7791.73	36	0.312	52	0.15	0.05	17.56	3.17	0.225694	335	969	698	649	0.48	1.09							1250	Unknown		
55594	CLUSTER	YES	162070.7		19.27	20.81	40.08	44300	Valve	20675.42	Valve	7791.65	36	0.312	52	0.17	0.05	13.18	3.02	6:27	335	964	694	649	0.48	1.08							1250	Unknown		
55617	CLUSTER	YES	162072.3		20.88	19.2	40.08	44300	Valve	20677.03	Valve	7790.04	36	0.312	52	0.15	0.05	4.98	1.60	5:22	335	1023	736	649	0.46	1.14							1250	Unknown		
55620	CLUSTER	YES	162072.8		21.38	18.7	40.08	44300	Valve	20677.53	Valve	7789.54	36	0.312	52	0.19	0.06	15.73	2.70	0.220833	335	943	679	649	0.49	1.08							1250	Unknown		
55633	MELO-CORR	YES	162076.9		25.44	14.64	40.08	44300	Valve	20681.59	Valve	7785.48	36	0.312	52	0.15	0.05	1.22	0.16	0.275694	335	1069	769	649	0.44	1.19							1598	Metal Loss		
55635	CLUSTER	YES	162081.1		29.64	10.44	40.08	44300	Valve	20685.79	Valve	7781.28	36	0.312	52	0.22	0.07	17.99	2.99	0.258333	335	916	660	649	0.51	1.07							1250	Unknown		
55643	CLUSTER	YES	162085.6		34.16	5.92	40.08	44300	Valve	20690.31	Valve	7776.76	36	0.312	52	0.25	0.08	14.82	1.16	6:14	335	902	649	649	0.52	1.09							1250	Unknown		
55650	CLUSTER	YES	162090.7		39.24	0.84	40.08	44300	Valve	20695.39	Valve	7771.68	36	0.312	52	0.15	0.05	7.33	1.20	5:37	335	1002	722	649	0.46	1.11							1250	Unknown		
55654	GirthWeld		162091.5		40.08	39.79	39.79	44310	Valve	20696.23	Valve	7770.84	36	0.312	52					0.395833	335			649									1250	Unknown		
55655	MELO-CORR	YES	162097.1		5.64	34.14	39.79	44310	Valve	20701.88	Valve	7765.2	36	0.312	52	0.16	0.05	1.14	0.20	0.261806	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55657	CLUSTER	YES	162103.2		11.74	28.05	39.79	44310	Valve	20707.97	Valve	7759.1	36	0.312	52	0.2	0.06	14.15	1.23	0.256944	335	940	677	649	0.49	1.08							1250	Unknown		
55664	CLUSTER	YES	162106.3		14.76	25.03	39.79	44310	Valve	20710.99	Valve	7756.08	36	0.312	52	0.19	0.06	2.56	0.32	5:49	335	1046	753	649	0.44	1.17							1250	Unknown		
55667	CLUSTER	YES	162107.4		15.85	23.94	39.79	44310	Valve	20712.08	Valve	7754.99	36	0.312	52	0.18	0.06	6.07	0.57	5:48	335	998	719	649	0.47	1.11							1250	Unknown		
55670	MELO-CORR	YES	162108.1		16.6	23.19	39.79	44310	Valve	20712.83	Valve	7754.24	36	0.312	52	0.2	0.06	1.22	0.20	0.242361	335	1066	768	649	0.44	1.18							1598	Metal Loss		
55671	GirthWeld		162131.3		39.79	39.84	39.84	44320	Valve	20736.02	Valve	7731.05	36	0.312	52					0.433333	335			649									1250	Unknown		
55672	GirthWeld		162171.1		39.84	34.16	34.16	44330	Valve	20775.86	Valve	7691.21	36	0.312	52					0.4875	335			649									1250	Unknown		
55673	GirthWeld		162205.3		34.16	39.77	39.78	44340	Valve	20810.02	Valve	7657.05	36	0.312	52					11:16	335			649									1250	Unknown		
55674	GirthWeld		162245.1		39.77	39.86	39.86	44350	Valve	20849.79	Valve	7617.28	36	0.312	52					2:12	335			649									1250	Unknown		
55675	GirthWeld		162284.9		39.86	38.35	38.35	44360	Valve	20889.65	Valve	7577.42	36	0.312	52					0.5125	335			649									1250	Unknown		
55677	CLUSTER	YES	162314.3		29.42	8.93	38.35	44360	Valve	20919.07	Valve	7548	36	0.312	52	0.16	0.05	4.96	0.82	0.259028	335	1019	734	649	0.46	1.13							1250	Unknown		
55681	GirthWeld		162323.3		38.35	39.89	39.89	44370	Valve	20928	Valve	7539.07	36	0.312	52					0.477778	335			649									1250	Unknown		
55682	GirthWeld		162363.2		39.89	39.64	39.65	44380	Valve	20967.89	Valve	7499.18	36	0.312	52					1:50	335			649									1250	Unknown		
55684	CLUSTER	YES	162367.1		3.9	35.74	39.65	44380	Valve	20971.79	Valve	7495.28	36	0.312	52	0.15	0.05	5.53	1.45	6:03	335	1017	732	649	0.46	1.13							1250	Unknown		
55688	MIFE	n/a	162396.3		33.16	6.49	39.65	44380	Valve	21001.05	Valve	7466.02	36	0.312	52					0.13125	335			649									2167	Mill Anomaly		
55689	GirthWeld		162402.8		39.64	40.02	40.01	44390	Valve	21007.53	Valve	7459.54	36	0.312	52					0.041667	335			649									1250	Unknown		
55690	GirthWeld		162442.8		40.02	39.78	39.78	44400	Valve	21047.55	Valve	7419.52	36	0.312	52					0.479167	335			649									1250	Unknown		
55691	GirthWeld		162482.6		39.78	39.89	39.89	44410	Valve	21087.33	Valve	7379.74	36	0.312	52					1:50	335			649									1250	Unknown		
55692	GirthWeld		162522.5		39.89	39.36	39.36	44420	Valve	21127.22	Valve	7339.85	36	0.312	52					11:34	335			649									1250	Unknown		
55693	GirthWeld		162561.9		39.36	39.89	39.89	44430	Valve	21166.58	Valve	7300.49	36	0.312	52					0.45	335			649									1250	Unknown		
55694	GirthWeld		162601.7		39.88	39.77	39.77	44440	Valve	21206.46	Valve	7260.61	36	0.312	52					0.044444	335			649									1250	Unknown		
55695	GirthWeld		162641.5		39.77	39.73	39.73	44450	Valve	21246.23	Valve	7220.84	36	0.312	52					0.3625	335			649									1250	Unknown		
55696	GirthWeld		162681.2		39.73	39.68	39.68	44460	Valve	21285.96	Valve	7181.11	36	0.312	52					11:16	335			649									1250	Unknown		
55697	GirthWeld		162720.9		39.68	39.87	39.87	44470	Valve	21325.64	Valve	7141.43	36	0.312	52					1:04	335			649									1250	Unknown		
55698	GirthWeld		162760.8		39.87	39.76	39.76	44480	Valve	21365.51	Valve	7101.56	36	0.312	52					0.4875	335			649									1250	Unknown		
55699	GirthWeld		162800.5		39.76	39.87	39.87	44490	Valve	21405.27	Valve	7061.8	36	0.312	52					0.081944	335			649									1250	Unknown		
55700	GirthWeld		162840.4		39.87	39.78	39.78	44500	Valve	21445.14	Valve	7021.93	36	0.312	52					0.536111	335			649									1250	Unknown		
55701	GirthWeld		162880.2		39.78	39.33	39.33	44510	Valve	21484.92	Valve	6982.15	36	0.312	52					8:54	335			649									1250	Unknown		
55702	GirthWeld		162919.5		39.33	39.85	39.85	44520	Valve	21524.25	Valve	6942.82	36	0.312	52					11:22	335			649									1250	Unknown		
55703	GirthWeld		162959.4		39.85	38.99	39	44530	Valve	21564.1	Valve	6902.97	36	0.312	52					0.536111	335			649									1250	Unknown		
55704	GirthWeld		162998.4		38.99	14.9	14.91	44540	Valve	21603.1	Valve	6863.98	36	0.312	52					0.077778	335			649									1250	Unknown		
55705	GirthWeld		163013.3		14.91	39.81	39.81	44550	Valve	21618	Valve	6849.07	36	0.312	52					0.363889	335			649									1250	Unknown		
55706	GirthWeld		163053.1		39.81	39.62	39.63	44560	Valve	21657.81	Valve	6809.26	36	0.312	52					9:30	335			649									1250	Unknown		
55708	CLUSTER	YES	163088.3		35.23	4.39	39.63	44560	Valve	21693.04	Valve	6774.03	36	0.312	52	0.17	0.05	2.12	1.60	5:54	335	1056	760	649	0.44	1.17							1250	Unknown		
55710	GirthWeld		163092.7		39.63	40.18	40.17	44570	Valve	21697.43	Valve	6769.64	36	0.312	52					0.105556	335			649									1250	Unknown		
55712	CLUSTER	YES	163094.6		1.88	38.3	40.17	44570	Valve	21699.31	Valve	6767.76	36	0.312	52	0.3	0.09	25.27	3.24	0.241667	335	843	607	649	0.55	1.07							1250	Unknown		
55728	CLUSTER	YES	163100.2		7.51	32.66	40.17	44570	Valve	21704.95	Valve	6762.13	36	0.312	52	0.16	0.05	22.00	2.86	0.242361	335	956	689	649	0.49	1.08							1250	Unknown		
55741	CLUSTER	YES	163102.7		10.03	30.15	40.17	44570	Valve	21707.46	Valve	6759.61	36	0.312	52	0.15	0.05	15.43	2.73	5:37	335	972	700	649	0.48	1.09							1250	Unknown		
55743	CLUSTER	YES	163102.7		10.03	30.15	40.17	44570	Valve	21707.46	Valve	6759.61	36	0.312	52	0.17	0.05	6.84	1.60	6:20	335	996	717	649	0.47	1.11							1250	Unknown		
55756	MELO-CORR	YES	163109		16.27	23.91	40.17	44570	Valve	21713.7	Valve	6753.37	36	0.312	52	0.16	0.05	1.22	0.16	0.253472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
55758	CLUSTER	YES	163109		16.27	23.9	40.17	44570	Valve	21713.7	Valve	6753.37	36	0.312	52	0.2	0.06	6.86	0.57	0.242361	335	980	706	649	0.47	1.12							1250	Unknown		
55762	CLUSTER	YES	163114.3		21.62	18.56	40.17	44570	Valve	21719.05	Valve	6748.02	36	0.312	52	0.17	0.05	8.56	1.13	0.271528	335	983	708	649	0.47	1.10							1250	Unknown		
55769	CLUSTER	YES	163116		23.32	16.86	40.17	44570	Valve	21720.75	Valve	6746.32	36	0.312	52	0.24	0.08	20.63	2.67	6:31	335	896	645	649	0.52	1.04							1250	Unknown		
55774	MELO-CORR	YES	163116.5		23.75	16.43	40.17	44570	Valve	21721.18	Valve	6745.89	36	0.312	52	0.17	0.05	1.10	0.20	6:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55784	CLUSTER	YES	163119.4		26.73	13.45	40.17	44570	Valve	21724.16	Valve	6742.91	36	0.312	52	0.21	0.07	5.53	0.79	0.269444	335	991	713	649	0.47	1.12							1250	Unknown		
55788	CLUSTER	YES	163121.7		28.99	11.18	40.17	44570	Valve	21726.42	Valve	6740.65	36	0.312	52	0.18	0.06	3.31	0.97	0.252778	335	1035	745	649	0.45	1.16							1250	Unknown		
55790	MELO-CORR	YES	163122.5		29.75	10.43	40.17	44570	Valve	21727.18	Valve	6739.89	36	0.312	52	0.17	0.05	0.91	0.43	0.295139	335	1071	771	649	0.43	1.19							1598	Metal Loss		
55791	MELO-CORR	YES	163125.1		32.38	7.79	40.17	44570	Valve	21729.81	Valve	6737.26	36	0.312	52	0.23	0.07	1.50	0.47	6:36	335	1060	763	649	0.44	1.18							1598	Metal Loss		
55793	CLUSTER	YES	163130.9		38.15	2.02	40.17	44570	Valve	21735.58	Valve	6731.49	36	0.312	52	0

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
55868	CLUSTER	YES	163168.3		35.46	3.77	39.23	44580	Valve	21773.07	Valve	6694	36	0.312	52	0.22	0.07	2.15	0.79	6:19	335	1048	755	649	0.44	1.17							1250	Unknown		
55870	GirthWeld		163172.1		39.23	40.05	40.05	44590	Valve	21776.84	Valve	6690.23	36	0.312	52					11:19	335			649									1250	Unknown		
55872	CLUSTER	YES	163178.5		6.37	33.68	40.05	44590	Valve	21783.21	Valve	6683.86	36	0.312	52	0.17	0.05	14.86	2.11	0.247917	335	959	691	649	0.48	1.07							1250	Unknown		
55881	GirthWeld		163212.2		40.05	39.88	39.88	44600	Valve	21816.89	Valve	6650.18	36	0.312	52					0.4375	335			649									1250	Unknown		
55882	MELO-CORR	YES	163240		27.86	12.02	39.88	44600	Valve	21844.75	Valve	6622.32	36	0.312	52	0.15	0.05	1.18	0.16	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55883	GirthWeld		163252		39.88	39.82	39.82	44610	Valve	21856.77	Valve	6610.3	36	0.312	52					11:12	335			649									1250	Unknown		
55884	GirthWeld		163291.9		39.82	39.76	39.76	44620	Valve	21896.59	Valve	6570.48	36	0.312	52					10:24	335			649									1250	Unknown		
55885	GirthWeld		163331.6		39.76	39.84	39.84	44630	Valve	21936.35	Valve	6530.72	36	0.312	52					0.094444	335			649									1250	Unknown		
55886	GirthWeld		163371.5		39.84	39.79	39.79	44640	Valve	21976.19	Valve	6490.88	36	0.312	52					0.531944	335			649									1250	Unknown		
55887	GirthWeld		163411.3		39.79	39.74	39.74	44650	Valve	22015.98	Valve	6451.09	36	0.312	52					0.45	335			649									1250	Unknown		
55888	GirthWeld		163451		39.74	39.32	39.32	44660	Valve	22055.72	Valve	6411.35	36	0.312	52					12:46	335			649									1250	Unknown		
55889	GirthWeld		163490.3		39.32	39.46	39.46	44670	Valve	22095.04	Valve	6372.03	36	0.312	52					11:26	335			649									1250	Unknown		
55890	GirthWeld		163529.8		39.46	38.27	38.27	44680	Valve	22134.51	Valve	6332.57	36	0.312	52					0.522222	335			649									1250	Unknown		
55891	GirthWeld		163568		38.27	39.83	39.83	44690	Valve	22172.77	Valve	6294.3	36	0.312	52					0.481944	335			649									1250	Unknown		
55892	GirthWeld		163607.9		39.83	38.26	38.26	44700	Valve	22212.6	Valve	6254.47	36	0.312	52					0.445833	335			649									1250	Unknown		
55893	GirthWeld		163646.1		38.26	38.84	38.84	44710	Valve	22250.86	Valve	6216.21	36	0.312	52					2:22	335			649									1250	Unknown		
55894	MELO-CORR	YES	163681		34.83	4.01	38.84	44710	Valve	22285.69	Valve	6181.38	36	0.312	52	0.21	0.07	1.10	0.43	5:55	335	1067	768	649	0.44	1.18							1598	Metal Loss		
55895	GirthWeld		163685		38.84	39.73	39.73	44720	Valve	22289.7	Valve	6177.37	36	0.312	52					0.041667	335			649									1250	Unknown		
55896	GirthWeld		163724.7		39.73	39.95	39.95	44730	Valve	22329.43	Valve	6137.64	36	0.312	52					0.45	335			649									1250	Unknown		
55897	GirthWeld		163764.7		39.95	39.3	39.3	44740	Valve	22369.38	Valve	6097.69	36	0.312	52					0.488889	335			649									1250	Unknown		
55898	GirthWeld		163804		39.3	38.84	38.84	44750	Valve	22408.68	Valve	6058.39	36	0.312	52					1:04	335			649									1250	Unknown		
55899	GirthWeld		163842.8		38.84	39.76	39.76	44760	Valve	22447.52	Valve	6019.55	36	0.312	52					1:54	335			649									1250	Unknown		
55900	MELO-CORR	YES	163860.7		17.86	21.9	39.76	44760	Valve	22465.38	Valve	6001.69	36	0.312	52	0.2	0.06	1.14	0.20	0.235417	335	1067	768	649	0.44	1.18							1598	Metal Loss		
55901	GirthWeld		163882.6		39.76	39.88	39.87	44770	Valve	22487.28	Valve	5979.79	36	0.312	52					0.473611	335			649									1250	Unknown		
55902	MELO-CORR	YES	163892.6		10.01	29.87	39.87	44770	Valve	22497.29	Valve	5969.78	36	0.312	52	0.16	0.05	1.14	0.20	0.266667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55904	CLUSTER	YES	163907.8		25.28	14.6	39.87	44770	Valve	22512.56	Valve	5954.51	36	0.312	52	0.22	0.07	4.09	0.57	5:43	335	1010	727	649	0.46	1.14							1250	Unknown		
55907	MELO-CORR	YES	163911.8		29.26	10.61	39.87	44770	Valve	22516.54	Valve	5950.53	36	0.312	52	0.19	0.06	1.14	0.20	5:43	335	1068	769	649	0.44	1.18							1598	Metal Loss		
55908	GirthWeld		163922.4		39.88	36.74	36.75	44780	Valve	22527.16	Valve	5939.91	36	0.312	52					0.052778	335			649									1250	Unknown		
55909	MELO-CORR	YES	163923		0.58	36.17	36.75	44780	Valve	22527.74	Valve	5939.33	36	0.312	52	0.15	0.05	1.14	0.20	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55910	MELO-CORR	YES	163927.5		5.1	31.64	36.75	44780	Valve	22532.26	Valve	5934.81	36	0.312	52	0.26	0.08	1.10	0.16	0.264583	335	1065	767	649	0.44	1.18							1598	Metal Loss		
55911	MELO-CORR	YES	163933.1		10.62	26.13	36.75	44780	Valve	22537.78	Valve	5929.29	36	0.312	52	0.15	0.05	1.14	0.24	6:21	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55913	CLUSTER	YES	163935.7		13.23	23.52	36.75	44780	Valve	22540.39	Valve	5926.68	36	0.312	52	0.25	0.08	6.30	0.28	6:21	335	961	692	649	0.48	1.12							1250	Unknown		
55915	MELO-CORR	YES	163941.6		19.15	17.6	36.75	44780	Valve	22546.31	Valve	5920.76	36	0.312	52	0.18	0.06	1.14	0.39	0.265972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
55916	MELO-CORR	YES	163946.4		24	12.75	36.75	44780	Valve	22551.16	Valve	5915.91	36	0.312	52	0.16	0.05	0.98	0.16	0.236806	335	1070	771	649	0.43	1.19							1598	Metal Loss		
55917	MELO-CORR	YES	163949.5		27.04	9.71	36.75	44780	Valve	22554.2	Valve	5912.87	36	0.312	52	0.15	0.05	1.10	0.20	0.263889	335	1070	770	649	0.43	1.19							1598	Metal Loss		
55918	MELO-CORR	YES	163954.2		31.74	5	36.75	44780	Valve	22558.9	Valve	5908.17	36	0.312	52	0.15	0.05	1.14	0.20	6:24	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55920	CLUSTER	YES	163954.4		32	4.74	36.75	44780	Valve	22559.16	Valve	5907.91	36	0.312	52	0.18	0.06	2.24	0.63	6:26	335	1053	758	649	0.44	1.17							1250	Unknown		
55922	GirthWeld		163959.2		36.74	39.87	39.87	44790	Valve	22563.9	Valve	5903.17	36	0.312	52					0.475	335			649									1250	Unknown		
55923	GirthWeld		163999		39.87	39.8	39.79	44800	Valve	22603.77	Valve	5863.3	36	0.312	52					0.523611	335			649									1250	Unknown		
55924	MELO-CORR	YES	164020.7		21.69	18.11	39.79	44800	Valve	22625.46	Valve	5841.61	36	0.312	52	0.15	0.05	1.10	0.20	0.253472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
55925	GirthWeld		164038.8		39.8	39.81	39.81	44810	Valve	22643.57	Valve	5823.5	36	0.312	52					11:00	335			649									1250	Unknown		
55926	GirthWeld		164078.7		39.81	38.68	38.68	44820	Valve	22683.38	Valve	5783.69	36	0.312	52					12:56	335			649									1250	Unknown		
55927	GirthWeld		164117.3		38.68	39.56	39.55	44830	Valve	22722.06	Valve	5745.01	36	0.312	52					0.477778	335			649									1250	Unknown		
55928	GirthWeld		164156.9		39.56	39.75	39.76	44840	Valve	22761.62	Valve	5705.45	36	0.312	52					0.449306	335			649									1250	Unknown		
55929	GirthWeld		164196.6		39.75	39.29	39.28	44850	Valve	22801.38	Valve	5665.7	36	0.312	52					0.109722	335			649									1250	Unknown		
55930	MELO-CORR	YES	164205.7		9.1	30.19	39.28	44850	Valve	22810.47	Valve	5656.6	36	0.312	52	0.19	0.06	1.18	0.16	6:15	335	1067	768	649	0.44	1.18							1598	Metal Loss		
55932	CLUSTER	YES	164227.8		31.14	8.14	39.28	44850	Valve	22832.52	Valve	5634.55	36	0.312	52	0.2	0.06	4.78	0.32	5:47	335	1006	724	649	0.46	1.14							1250	Unknown		
55934	GirthWeld		164235.9		39.29	38.8	38.8	44860	Valve	22840.66	Valve	5626.41	36	0.312	52					0.049306	335			649									1250	Unknown		
55936	CLUSTER	YES	164245.7		9.76	29.04	38.8	44860	Valve	22850.42	Valve	5616.65	36	0.312	52	0.17	0.05	5.56	2.77	0.229167	335	1008	726	649	0.46	1.13							1250	Unknown		
55940	CLUSTER	YES	164253		17.02	21.78	38.8	44860	Valve	22857.68	Valve	5609.39	36	0.312	52	0.16	0.05	1.14	0.97	0.249306	335	1069	770	649	0.44	1.19							1250	Unknown		
55943	CLUSTER	YES	164266.3		30.36	8.44	38.8	44860	Valve	22871.02	Valve	5596.05	36	0.312	52	0.15	0.05	3.23	0.35	5:46	335	1044	751	649	0.45	1.16							1250	Unknown		
55945	GirthWeld		164274.7		38.8	39.8	39.8	44870	Valve	22879.46	Valve	5587.61	36	0.312	52					10:58	335			649									1250	Unknown		
55946	GirthWeld		164314.5		39.8	38.41	38.41	44880	Valve	22919.26	Valve	5547.81	36	0.312	52					0.041667	335			649									1250	Unknown		
55947	GirthWeld		164352.9		38.41	39.83	39.83	44890	Valve	22957.67	Valve	5509.4	36	0.312	52					0.468056	335			649									1250	Unknown		
55948	GirthWeld		164392.8		39.83	38.17	38.18	44900	Valve	22997.5	Valve	5469.57	36	0.312	52					0.043056	335			649									1250	Unknown		
55949	GirthWeld		164430.9		38.17	39	38.99	44910	Valve	23035.67	Valve	5431.4	36	0.312	52					10:28	335			649									1250	Unknown		
55950	GirthWeld		164469.9		39	39.82	39.82	44920	Valve	23074.67	Valve	5392.4	36	0.312	52					11:28	335			649									1250	Unknown		
55951	GirthWeld		164509.8		39.82	39.9	39.9	44930	Valve	23114.49	Valve	5352.58	36	0.312	52					0.5375	335			649									1250	Unknown		
55952	GirthWeld		164549.7		39.9	39.81	39.81	44940	Valve	23154.39	Valve	5312.68	36	0.312	52					0.070833	335			649									1250	Unknown		
55953	GirthWeld		164589.5		39.81	39.86	39.86	44950	Valve	23194.2	Valve	5272.87	36	0.312	52					0.397222	335			649									1250	Unknown		
55954	GirthWeld		164629.3		39.86	39.91	39.91	44960	Valve	23234.06	Valve	5233.01	36	0.312	52					10:42	335			649									1250	Unknown		
55955	GirthWeld		164669.2		39.91	39.44	39.44	44970	Valve	23273.97	Valve	5193.1	36	0.312	52					2:58	335			649									1250	Unknown		
55956	GirthWeld		164708.7		39.44	30.25	30.26	44980	Valve	23313.41	Valve	5153.66	36	0.312	52					0.109722	335			649									1250	Unknown		
55958	CLUSTER	YES	164715.5		6.79	23.46	30.26	44980	Valve	23320.2	Valve	5146.87	36	0.312	52	0.15	0.05	13.00	1.92	0.240278	335	978	704	649	0.48	1.10							1250	Unknown		
55964	CLUSTER	YES	164717.1		8.43	21.83	30.26	44980	Valve	23321.84	Valve	5145.23	36	0.312	52	0.2	0.06	22.02	5.81	0.240278	335	926	667	649	0.50	1.08							1250	Unknown		
55984	CLUSTER	YES	164719.2		10.52	19.73	30.26	44980	Valve	23323.93	Valve	5143.14	36	0.312	52	0.21	0.07	9.84	3.11	5:46	335	951	685	649	0.49	1.10							1250	Unknown		
55990	MELO-CORR	YES	164729.9		21.23	9.02	30.26	44980	Valve	23334.64	Valve	5132.43	36	0.312	52	0.15	0.05	1.18	0.24	5:48	335	1069	770	649	0.44	1.19							1598	Metal Loss		
55992	CLUSTER	YES	164730.3		21.58	8.67	30.26	44980	Valve	23334.99	Valve	5132.08	36	0.312	52	0.2	0.06	13.43	6.41	0.235417	335	942	678	649	0.49	1.09							1250	Unknown		
56000	CLUSTER	YES	164731.6		22.94	7.31	30.26	44980	Valve	23336.35	Valve	5130.72	36	0.312	52	0.16	0.05	14.32	1.79	0.241667	335	968	697	649	0.48	1.08							1250	Unknown		
56005	GirthWeld		164738.9		30.25	39.75	39.75	44990	Valve	23343.66	Valve	5123.41	36	0.312	52					0.426389	335			649									1250	Unknown		
56006	AS_Casing		164741		2.09	37.66	39.75	44990	Valve	23345.75	Valve	5121.32	36	0.312	52						335			649									1590	Casing		
56007	GirthWeld		164778.7		39.75	38.63	38.62	45000	Valve	23383.41	Valve	5083.66	36	0.312	52					10:52	335			649									1250	Unknown		
56008	GirthWeld		164817.3		38.63	39.84	39.84	45010	Valve	23422.04	Valve	5045.03	36	0.312	52					0:05	335			649									1250	Unknown		
56009	AE_Casing		164822.3		4.95	34.89	39.84	45010	Valve	23426.99	Valve	5040.08	36	0.312	52						335			649									1590	Casing		
56010	MELO-CORR	YES	164826.4		9.12	30.72	39.84	45010	Valve	23431.16	Valve	5035.91	36	0.312	52	0.22	0.07	1.06	0.20	0.286111	335	1067	769	649	0.44	1.18							1598	Metal Loss		
56012	CLUSTER	YES	164827.7		10.35	29.49	39.84	45010	Valve	23432.39	Valve	5034.68	36	0.312	52	0.21	0.07	10.94	1.70	6:46	335	945	681	649	0.49	1.09							1250	Unknown		
56017	CLUSTER	YES	164841		23.68	16.16	39.84	45010	Valve	23445.72	Valve	5021.35	36	0.312	52	0.19	0.06	42.08	4.37	6:01	335	919	662	649	0.51	1.06							1250	Unknown		
56046	CLUSTER	YES	164845		27.69	12.15	39.84	45010	Valve	23449.73	Valve	5017.34	36	0.312	52	0.16	0.05	5.41	0.79	0.25625	335	1014	730	649	0.46	1.14							1250	Unknown		
56049	GirthWeld		164857.2		39.84	39.67	39.67	45020	Valve	23461.88	Valve	5005.19	36	0.312	52					0.095833	335			649									1250	Unknown		
56050	GirthWeld		164896.8		39.67	11.57	11.56	45030	Valve	23501.55	Valve	4965.52	36	0.312	52					0:5	335			649									1250	Unknown		
56051	GirthWeld		164908.4		11.57	39.8	39.8	45040	Valve	23513.12	Valve	4953.95	36	0.312	52					11:36	335			649									1250	Unknown		
56053	CLUSTER	YES	164908.6		0.24	39.56	39.8	45040	Valve	23513.36	Valve	4953.71	36	0.312	52	0.18	0.06	22.74	2.20	6:07	335	940	677	649	0.49	1.08							1250	Unknown		
56063	CLUSTER	YES	164913.1		4.7	35.1	39.8	45040	Valve	23517.82	Valve	4949.25	36	0.312	52	0.16	0.05	3.41	1.95	0.246528	335	1038	748	649	0.45	1.16							1250	Unknown		
56067	CLUSTER	YES	164914		5.56	34.24	39.8	45040	Valve	23518.68	Valve	4948.39	36	0.312	52	0.15	0.05	5.03	1.16	0.248611	335	1022	736	649	0.46	1.14							1250	Unknown		
56072	CLUSTER	YES	164920.8		12.43	27.37	39.8	45040	Valve	23525.55	Valve	4941.52	36	0.312	52	0.17	0.05	12.37	4.09	0.240972	335	966	696	649	0.48	1.10							1250	Unknown		
56083	CLUSTER	YES	164924.9		16.52	23.28	39.8	45040	Valve	23529.64	Valve	4937.43	36	0.312	52	0.15	0.05	13.96	2.23	5:55	335	975	702	649	0.48	1.09							1250	Unknown		
56093	CLUSTER	YES	164936.2		27.83	11.98	39.8	45040	Valve	23540.95	Valve	4926.12	36	0.312	52	0.17	0.05	3.13	0.82	6:23	335	1040	749	649	0.45	1.16							1250	Unknown		
56097	CLUSTER	YES	164942.2		33.82	5.98	39.8	45040	Valve	23546.94	Valve	4920.13	36	0.312	52	0.17	0.05	6.08	1.38	0.266667	335	1002	722	649	0.46	1.13							1250	Unknown		
56102	CLUSTER	YES	164945.2		36.82	2.98	39.8	45040	Valve	23549.94	Valve	4917.13	36	0.312	52	0.18	0.06	12.76	2.08	0.261806	335	958	690	649	0.49	1.10							1250	Unknown		
56107	MELO-CORR	YES	164946.3		37.94	1.86	39.8	45040	Valve	23551.06	Valve	4916.01	36	0.312	52	0.18	0.06	1.14	0.16	0.2375	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56108	GirthWeld		164948.2		39.8	39.84	39.84	45050	Valve	23552.92	Valve	4914.15	36	0.312	52					2:20	335			649									1250	Unknown		
56110	CLUSTER	YES	164958.4		10.2	29.64	39.84	45050	Valve	23563.12	Valve	4903.95	36	0.312	52	0.19	0.06	7.04	1.29	5:42	335	984	708	649	0.47	1.12							1250	Unknown		
56113	MELO-CORR	YES	164962.6		14.44	25.39	39.84	45050	Valve	23567.36	Valve	4899.71	36	0.312	52	0.17	0.05	0.91	0.16	0.258333	335	1071	771	649	0.43	1.19							1598	Metal Loss		
56115	CLUSTER	YES	164966.1		17.93	21.9	39.84	45050	Valve	23570.86	Valve	4896.21	36	0.312	52	0.16	0.05	2.26	0.76	0.257639	335	1055	760	649	0.44	1.17							1250	Unknown		
56117	MELO-CORR	YES	164971.3		23.1	16.73	39.84	45050	Valve	23576.02	Valve	4891.05	36	0.312	52	0.21	0.07	1.14	0.43	0.266667	335	1067	768	649	0.44	1.18							1598	Metal Loss		
56119	CLUSTER	YES	164975.3		27.1	12.74	39.84	45050	Valve	23580.02	Valve	4887.05	36	0.312	52	0.15	0.05	2.16	0.28	6:12	335	1058	762	649	0.44	1.17							1250	Unknown		
56121	MELO-CORR	YES	164983.7		35.54	4.29	39.84	45050	Valve	23588.46	Valve	4878.61	36	0.312	52	0.15	0.05	1.18	0.28	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56122	MELO-CORR	YES	164985.6		37.39	2.45	39.84	45050	Valve	23590.31	Valve	4876.76	36	0.312	52	0.16	0.05	1.14	0.20	0.261111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56123	GirthWeld		164988		39.84	39.86	39.86	45060	Valve	23592.76	Valve	4874.31	36	0.312	52					0.047917	335			649									1250	Unknown		
56124	MELO-CORR	YES	164994.8		6.76	33.1	39.86	45060	Valve	23599.52	Valve	4867.55	36	0.312	52	0.15	0.05	2.56	0.20	0.246528	335	1053	758	649	0.44	1.17							1598	Metal Loss		
56125	GirthWeld		165027.9		39.86	39.38	39.38	45070	Valve	23632.62	Valve	4834.45	36	0.312	52					11:46	335			649									1250	Unknown		
56126	GirthWeld		165067.3		39.38	39.64	39.63	45080	Valve	23672	Valve	4795.07	36	0.312	52					1:02	335			649									1250	Unknown		
56127	GirthWeld		165106.9		39.64	39.27	39.27	45090	Valve	23711.64	Valve	4755.43	36	0.312	52					0.444444	335			649									1250	Unknown		
56128	GirthWeld		165146.2		39.26	39.76	39.75	45100	Valve	23750.9	Valve	4716.17	36	0.312	52					0.493056	335			649									1250	Unknown		
56129	GirthWeld		165185.9		39.76	30.86	30.87	45110	Valve	23790.66	Valve	4676.41	36	0.312	52					0.086111	335			649									1250	Unknown		
56130	GirthWeld		165216.8		30.86	39.67	39.67	45120	Valve	23821.52	Valve	4645.55	36	0.312	52					1:32	335			649									1250	Unknown		
56131	GirthWeld		165256.5		39.67	38.34	38.34	45130	Valve	23861.19	Valve	4605.88	36	0.312	52					10:24	335			649									1250	Unknown		
56132	GirthWeld		165294.8		38.34	39.78	39.78	45140	Valve	23899.53	Valve	4567.54	36	0.312	52					0.494444	335			649									1250	Unknown		
56133	GirthWeld		165334.6		39.78	39.79	39.79	45150	Valve	23939.31	Valve	4527.76	36	0.312	52					0.068056	335			649									1250	Unknown		
56134	MELO-CORR	YES	165346.8		12.19	27.6	39.79	45150

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
56145	GirthWeld		165726		39.79	39.84	39.84	45260	Valve	24330.74	Valve	4136.33	36	0.312	52					10:26	335			649									1250	Unknown		
56146	GirthWeld		165765.9		39.84	39.31	39.31	45270	Valve	24370.58	Valve	4096.49	36	0.312	52					12:00	335			649									1250	Unknown		
56147	GirthWeld		165805.2		39.31	39.56	39.56	45280	Valve	24409.89	Valve	4057.18	36	0.312	52					0.365278	335			649									1250	Unknown		
56148	GirthWeld		165844.7		39.56	38.73	38.73	45290	Valve	24449.45	Valve	4017.62	36	0.312	52					0.443056	335			649									1250	Unknown		
56149	GirthWeld		165883.5		38.73	39.41	39.41	45300	Valve	24488.18	Valve	3978.89	36	0.312	52					0.488889	335			649									1250	Unknown		
56150	GirthWeld		165922.9		39.41	34.46	34.46	45310	Valve	24527.59	Valve	3939.48	36	0.312	52					12:39	335			649									1250	Unknown		
56152	CLUSTER	YES	165943.6		20.75	13.71	34.46	45310	Valve	24548.34	Valve	3918.73	36	0.312	52	0.2	0.06	4.30	0.76	5:58	335	1013	730	649	0.46	1.14							1250	Unknown		
56155	MELO-CORR	YES	165950.2		27.37	7.09	34.46	45310	Valve	24554.96	Valve	3912.11	36	0.312	52	0.2	0.06	1.18	0.16	0.25	335	1067	768	649	0.44	1.18							1598	Metal Loss		
56156	GirthWeld		165957.3		34.46	39.79	39.79	45320	Valve	24562.05	Valve	3905.02	36	0.312	52					0.376389	335			649									1250	Unknown		
56158	CLUSTER	YES	165967		9.71	30.08	39.79	45320	Valve	24571.76	Valve	3895.31	36	0.312	52	0.17	0.05	4.13	0.47	0.263889	335	1026	738	649	0.45	1.14							1250	Unknown		
56160	CLUSTER	YES	165967.1		9.76	30.03	39.79	45320	Valve	24571.81	Valve	3895.26	36	0.312	52	0.18	0.06	8.81	0.63	5:45	335	976	703	649	0.48	1.10							1250	Unknown		
56165	GirthWeld		165997.1		39.79	38.98	38.98	45330	Valve	24601.84	Valve	3865.23	36	0.312	52					10:46	335			649									1250	Unknown		
56166	MELO-CORR	YES	166004.7		7.61	31.38	38.98	45330	Valve	24609.45	Valve	3857.63	36	0.312	52	0.22	0.07	1.22	0.20	0.249306	335	1065	767	649	0.44	1.18							1598	Metal Loss		
56167	GirthWeld		166036.1		38.98	39.31	39.31	45340	Valve	24640.82	Valve	3826.25	36	0.312	52					0.516667	335			649									1250	Unknown		
56168	GirthWeld		166075.4		39.31	39.86	39.86	45350	Valve	24680.13	Valve	3786.94	36	0.312	52					0.473611	335			649									1250	Unknown		
56169	GirthWeld		166115.3		39.86	38.18	38.18	45360	Valve	24719.99	Valve	3747.08	36	0.312	52					11:40	335			649									1250	Unknown		
56170	LWFE-MIFE	n/a	166147.7		32.45	5.73	38.18	45360	Valve	24752.44	Valve	3714.63	36	0.312	52	0.18	0.06	0.87	0.16	11:44	335			649									3421	Mill Wall Thinning		
56171	GirthWeld		166153.4		38.18	39.12	39.12	45370	Valve	24758.17	Valve	3708.9	36	0.312	52					0.45	335			649									1250	Unknown		
56172	GirthWeld		166192.6		39.12	38.92	38.92	45380	Valve	24797.29	Valve	3669.78	36	0.312	52					0.477778	335			649									1250	Unknown		
56173	GirthWeld		166231.5		38.92	9.73	9.73	45390	Valve	24836.21	Valve	3630.86	36	0.312	52					0.4375	335			649									1250	Unknown		
56174	GirthWeld		166241.2		9.73	38.43	38.43	45400	Valve	24845.94	Valve	3621.13	36	0.312	52					2:12	335			649									1250	Unknown		
56175	GirthWeld		166279.6		38.43	39.75	39.75	45410	Valve	24884.37	Valve	3582.7	36	0.312	52					12:58	335			649									1250	Unknown		
56176	GirthWeld		166319.4		39.75	39.49	39.49	45420	Valve	24924.12	Valve	3542.95	36	0.312	52					0.411111	335			649									1250	Unknown		
56178	CLUSTER	YES	166332.9		13.54	25.95	39.49	45420	Valve	24937.66	Valve	3529.41	36	0.312	52	0.16	0.05	14.39	1.73	0.240278	335	968	697	649	0.48	1.09							1250	Unknown		
56186	CLUSTER	YES	166334.1		14.69	24.8	39.49	45420	Valve	24938.81	Valve	3528.26	36	0.312	52	0.16	0.05	4.46	1.42	0.257639	335	1025	738	649	0.45	1.14							1250	Unknown		
56190	CLUSTER	YES	166336		16.58	22.91	39.49	45420	Valve	24940.7	Valve	3526.37	36	0.312	52	0.17	0.05	8.06	2.58	5:40	335	986	710	649	0.47	1.10							1250	Unknown		
56195	CLUSTER	YES	166336.7		17.3	22.19	39.49	45420	Valve	24941.42	Valve	3525.65	36	0.312	52	0.22	0.07	15.44	7.95	5:41	335	922	664	649	0.50	1.08							1250	Unknown		
56213	CLUSTER	YES	166338.1		18.75	20.74	39.49	45420	Valve	24942.87	Valve	3524.2	36	0.312	52	0.16	0.05	7.45	2.39	0.269444	335	996	717	649	0.47	1.12							1250	Unknown		
56218	CLUSTER	YES	166340.6		21.2	18.29	39.49	45420	Valve	24945.33	Valve	3521.74	36	0.312	52	0.24	0.08	16.81	2.01	0.273611	335	904	651	649	0.51	1.07							1250	Unknown		
56224	CLUSTER	YES	166341.2		21.84	17.65	39.49	45420	Valve	24945.96	Valve	3521.11	36	0.312	52	0.31	0.10	38.64	7.89	0.229167	335	820	591	649	0.57	1.04							1250	Unknown		
56241	CLUSTER	YES	166342.3		22.87	16.62	39.49	45420	Valve	24946.99	Valve	3520.08	36	0.312	52	0.2	0.06	22.99	3.49	6:20	335	925	666	649	0.50	1.07							1250	Unknown		
56277	MELO-CORR	YES	166344.2		24.8	14.69	39.49	45420	Valve	24948.92	Valve	3518.15	36	0.312	52	0.16	0.05	1.10	0.24	5:34	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56279	CLUSTER	YES	166344.7		25.33	14.16	39.49	45420	Valve	24949.45	Valve	3517.62	36	0.312	52	0.23	0.07	14.69	1.60	0.229861	335	917	660	649	0.51	1.06							1250	Unknown		
56282	CLUSTER	YES	166345		25.65	13.84	39.49	45420	Valve	24949.77	Valve	3517.3	36	0.312	52	0.17	0.05	14.83	0.91	0.270833	335	959	691	649	0.48	1.07							1250	Unknown		
56291	GirthWeld		166358.9		39.49	39.5	39.5	45430	Valve	24963.61	Valve	3503.46	36	0.312	52					0.396528	335			649									1250	Unknown		
56292	MELO-CORR	YES	166362.3		3.44	36.06	39.5	45430	Valve	24967.05	Valve	3500.02	36	0.312	52	0.16	0.05	1.22	0.20	6:45	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56293	MELO-CORR	YES	166363.9		5.04	34.46	39.5	45430	Valve	24968.65	Valve	3498.42	36	0.312	52	0.16	0.05	1.10	0.20	6:44	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56295	CLUSTER	YES	166367.5		8.6	30.9	39.5	45430	Valve	24972.21	Valve	3494.86	36	0.312	52	0.16	0.05	4.54	0.69	0.286111	335	1024	737	649	0.45	1.14							1250	Unknown		
56298	CLUSTER	YES	166371.1		12.25	27.25	39.5	45430	Valve	24975.86	Valve	3491.21	36	0.312	52	0.15	0.05	9.42	4.78	0.242361	335	990	713	649	0.47	1.10							1250	Unknown		
56310	CLUSTER	YES	166375.8		16.89	22.61	39.5	45430	Valve	24980.5	Valve	3486.57	36	0.312	52	0.15	0.05	3.23	0.32	0.227778	335	1044	751	649	0.45	1.16							1250	Unknown		
56313	CLUSTER	YES	166392.9		33.96	5.54	39.5	45430	Valve	24997.58	Valve	3469.49	36	0.312	52	0.21	0.07	14.23	1.38	5:52	335	933	672	649	0.50	1.07							1250	Unknown		
56319	GirthWeld		166398.4		39.5	38.94	38.94	45440	Valve	25003.11	Valve	3463.96	36	0.312	52					1:40	335			649									1250	Unknown		
56320	GirthWeld		166437.3		38.94	39.76	39.76	45450	Valve	25042.05	Valve	3425.02	36	0.312	52					0.113889	335			649									1250	Unknown		
56321	GirthWeld		166477.1		39.76	29.88	29.89	45460	Valve	25081.81	Valve	3385.26	36	0.312	52					0.044444	335			649									1250	Unknown		
56322	GirthWeld		166507		29.88	39.79	39.78	45470	Valve	25111.69	Valve	3355.38	36	0.312	52					0.473611	335			649									1250	Unknown		
56323	GirthWeld		166546.8		39.79	37.58	37.58	45480	Valve	25151.48	Valve	3315.59	36	0.312	52					12:48	335			649									1250	Unknown		
56324	GirthWeld		166584.3		37.58	39.86	39.86	45490	Valve	25189.06	Valve	3278.01	36	0.312	52					9:58	335			649									1250	Unknown		
56325	GirthWeld		166624.2		39.86	38.88	38.89	45500	Valve	25228.92	Valve	3238.15	36	0.312	52					0.4625	335			649									1250	Unknown		
56326	GirthWeld		166663.1		38.88	39.42	39.42	45510	Valve	25267.8	Valve	3199.27	36	0.312	52					0.540278	335			649									1250	Unknown		
56327	GirthWeld		166702.5		39.42	39.24	39.24	45520	Valve	25307.22	Valve	3159.85	36	0.312	52					0.519444	335			649									1250	Unknown		
56328	GirthWeld		166741.7		39.24	39.19	39.19	45530	Valve	25346.46	Valve	3120.61	36	0.312	52					11:26	335			649									1250	Unknown		
56329	GirthWeld		166780.9		39.19	39.49	39.48	45540	Valve	25385.65	Valve	3081.42	36	0.312	52					10:46	335			649									1250	Unknown		
56330	GirthWeld		166820.4		39.49	39.85	39.85	45550	Valve	25425.14	Valve	3041.93	36	0.312	52					0.044444	335			649									1250	Unknown		
56331	GirthWeld		166860.3		39.85	24.13	24.13	45560	Valve	25464.99	Valve	3002.08	36	0.312	52					0.515278	335			649									1250	Unknown		
56332	GirthWeld		166884.4		24.13	39.3	39.3	45570	Valve	25489.13	Valve	2977.95	36	0.312	52					0.445833	335			649									1250	Unknown		
56333	GirthWeld		166923.7		39.3	39.5	39.5	45580	Valve	25528.42	Valve	2938.65	36	0.312	52					10:08	335			649									1250	Unknown		
56334	GirthWeld		166963.2		39.5	40.09	40.08	45590	Valve	25567.92	Valve	2899.15	36	0.312	52					2:36	335			649									1250	Unknown		
56336	CLUSTER	YES	166963.4		0.24	39.85	40.08	45590	Valve	25568.16	Valve	2898.91	36	0.312	52	0.21	0.07	9.74	2.89	0.246528	335	952	685	649	0.49	1.10							1250	Unknown		
56342	MELO-CORR	YES	166979.4		16.18	23.91	40.08	45590	Valve	25584.1	Valve	2882.97	36	0.312	52	0.2	0.06	1.14	0.20	0.241667	335	1067	768	649	0.44	1.18							1598	Metal Loss		
56343	MELO-CORR	YES	166980		16.81	23.28	40.08	45590	Valve	25584.73	Valve	2882.34	36	0.312	52	0.18	0.06	1.10	0.20	0.216667	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56344	MELO-CORR	YES	166981.3		18.11	21.97	40.08	45590	Valve	25586.03	Valve	2881.04	36	0.312	52	0.15	0.05	1.10	0.20	4:51	335	1070	770	649	0.43	1.19							1598	Metal Loss		
56345	MELO-CORR	YES	166982		18.78	21.31	40.08	45590	Valve	25586.7	Valve	2880.37	36	0.312	52	0.17	0.05	1.18	0.24	5:01	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56347	CLUSTER	YES	166982.9		19.71	20.38	40.08	45590	Valve	25587.63	Valve	2879.44	36	0.312	52	0.15	0.05	8.69	1.26	0.200694	335	994	716	649	0.47	1.11							1250	Unknown		
56351	CLUSTER	YES	166983.8		20.6	19.48	40.08	45590	Valve	25588.52	Valve	2878.55	36	0.312	52	0.15	0.05	15.11	3.21	0.240278	335	973	701	649	0.48	1.09							1250	Unknown		
56357	MELO-CORR	YES	166984.9		21.75	18.34	40.08	45590	Valve	25589.67	Valve	2877.4	36	0.312	52	0.16	0.05	1.18	0.20	0.204167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56359	CLUSTER	YES	166985.6		22.37	17.72	40.08	45590	Valve	25590.29	Valve	2876.78	36	0.312	52	0.17	0.05	8.57	0.97	5:44	335	983	708	649	0.47	1.11							1250	Unknown		
56365	CLUSTER	YES	166986		22.8	17.29	40.08	45590	Valve	25590.72	Valve	2876.35	36	0.312	52	0.18	0.06	12.95	2.61	6:04	335	958	689	649	0.49	1.09							1250	Unknown		
56375	CLUSTER	YES	166988.3		25.1	14.98	40.08	45590	Valve	25593.02	Valve	2874.05	36	0.312	52	0.2	0.06	2.89	1.51	0.261806	335	1038	747	649	0.45	1.16							1250	Unknown		
56377	CLUSTER	YES	166988.4		25.22	14.87	40.08	45590	Valve	25593.14	Valve	2873.93	36	0.312	52	0.24	0.08	37.69	6.13	0.227778	335	880	634	649	0.53	1.03							1250	Unknown		
56387	CLUSTER	YES	166989.3		26.13	13.96	40.08	45590	Valve	25594.05	Valve	2873.02	36	0.312	52	0.26	0.08	36.73	2.61	0.268056	335	864	622	649	0.54	1.02							1250	Unknown		
56419	CLUSTER	YES	166992		28.81	11.28	40.08	45590	Valve	25596.73	Valve	2870.34	36	0.312	52	0.18	0.06	9.41	2.14	5:25	335	972	700	649	0.48	1.08							1250	Unknown		
56424	CLUSTER	YES	166992.8		29.57	10.51	40.08	45590	Valve	25597.49	Valve	2869.58	36	0.312	52	0.19	0.06	7.82	2.45	6:29	335	977	703	649	0.48	1.10							1250	Unknown		
56431	CLUSTER	YES	166993.7		30.55	9.54	40.08	45590	Valve	25598.47	Valve	2868.6	36	0.312	52	0.21	0.07	21.23	2.48	0.270139	335	919	662	649	0.51	1.03							1250	Unknown		
56433	CLUSTER	YES	166993.8		30.59	9.49	40.08	45590	Valve	25598.51	Valve	2868.56	36	0.312	52	0.19	0.06	17.30	2.89	0.224306	335	940	677	649	0.50	1.08							1250	Unknown		
56461	CLUSTER	YES	166996.8		33.57	6.52	40.08	45590	Valve	25601.49	Valve	2865.58	36	0.312	52	0.25	0.08	20.17	3.49	0.224306	335	889	640	649	0.52	1.08							1250	Unknown		
56474	CLUSTER	YES	166998.4		35.2	4.89	40.08	45590	Valve	25603.12	Valve	2863.95	36	0.312	52	0.2	0.06	17.46	1.45	6:21	335	932	671	649	0.50	1.07							1250	Unknown		
56476	MELO-CORR	YES	166998.6		35.45	4.64	40.08	45590	Valve	25603.37	Valve	2863.7	36	0.312	52	0.17	0.05	1.58	0.20	5:43	335	1063	766	649	0.44	1.18							1598	Metal Loss		
56479	MELO-CORR	YES	166999		35.81	4.28	40.08	45590	Valve	25603.73	Valve	2863.34	36	0.312	52	0.18	0.06	2.99	0.43	0.238889	335	1040	749	649	0.45	1.16							1598	Metal Loss		
56483	CLUSTER	YES	167001		37.83	2.25	40.08	45590	Valve	25605.75	Valve	2861.32	36	0.312	52	0.27	0.08	25.07	4.09	0.2625	335	867	624	649	0.54	1.05							1250	Unknown		
56485	CLUSTER	YES	167001.1		37.94	2.15	40.08	45590	Valve	25605.86	Valve	2861.21	36	0.312	52	0.19	0.06	2.74	0.66	0.21875	335	1043	751	649	0.45	1.16							1250	Unknown		
56493	CLUSTER	YES	167002		38.77	1.32	40.08	45590	Valve	25606.69	Valve	2860.38	36	0.312	52	0.24	0.08	3.22	0.54	5:44	335	1021	735	649	0.46	1.15							1250	Unknown		
56500	CLUSTER	YES	167002.5		39.27	0.81	40.08	45590	Valve	25607.2	Valve	2859.88	36	0.312	52	0.23	0.07	8.68	0.94	5:45	335	947	682	649	0.49	1.06							1250	Unknown		
56510	GirthWeld		167003.3		40.09	39.96	39.96	45600	Valve	25608.01	Valve	2859.06	36	0.312	52					0.083333	335			649									1250	Unknown		
56511	MELO-CORR	YES	167003.7		0.38	39.58	39.96	45600	Valve	25608.39	Valve	2858.68	36	0.312	52	0.15	0.05	1.10	0.16	0.226389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
56513	CLUSTER	YES	167004.5		1.23	38.73	39.96	45600	Valve	25609.24	Valve	2857.83	36	0.312	52	0.18	0.06	3.65	3.49	0.270139	335	1030	741	649	0.45	1.15							1250	Unknown		
56518	CLUSTER	YES	167004.9		1.62	38.34	39.96	45600	Valve	25609.63	Valve	2857.44	36	0.312	52	0.21	0.07	1.91	0.60	6:30	335	1055	759	649	0.44	1.17							1250	Unknown		
56520	MELO-CORR	YES	167007		3.67	36.29	39.96	45600	Valve	25611.68	Valve	2855.39	36	0.312	52	0.15	0.05	1.18	0.32	6:36	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56522	CLUSTER	YES	167011.5		8.25	31.71	39.96	45600	Valve	25616.26	Valve	2850.81	36	0.312	52	0.15	0.05	11.18	1.60	0.231944	335	983	708	649	0.47	1.09							1250	Unknown		
56530	CLUSTER	YES	167016.8		13.55	26.41	39.96	45600	Valve	25621.56	Valve	2845.51	36	0.312	52	0.24	0.08	23.57	2.29	0.259722	335	893	643	649	0.52	1.05							1250	Unknown		
56543	CLUSTER	YES	167019.1		15.81	24.15	39.96	45600	Valve	25623.82	Valve	2843.25	36	0.312	52	0.18	0.06	4.01	0.50	0.241667	335	1024	737	649	0.45	1.15							1250	Unknown		
56546	CLUSTER	YES	167019.9		16.58	23.38	39.96	45600	Valve	25624.59	Valve	2842.48	36	0.312	52	0.16	0.05	8.23	0.88	5:51	335	991	714	649	0.47	1.09							1250	Unknown		
56551	CLUSTER	YES	167022.9		19.59	20.37	39.96	45600	Valve	25627.6	Valve	2839.47	36	0.312	52	0.18	0.06	2.02	0.66	5:52	335	1056	761	649	0.44	1.17							1250	Unknown		
56554	GirthWeld		167043.2		39.96	39.73	39.73	45610	Valve	25647.97	Valve	2819.1	36	0.312	52					0.408333	335			649									1250	Unknown		
56555	GirthWeld		167083		39.73	39.75	39.75	45620	Valve	25687.7	Valve	2779.37	36	0.312	52					0.429167	335			649									1250	Unknown		
56556	GirthWeld		167122.7		39.75	39.79	39.79	45630	Valve	25727.45	Valve	2739.62	36	0.312	52					0.464583	335			649									1250	Unknown		
56557	GirthWeld		167162.5		39.79	37.18	37.18	45640	Valve	25767.24	Valve	2699.83	36	0.312	52					11:32	335			649									1250	Unknown		
56558	GirthWeld		167199.7		37.18	34.27	34.27	45650	Valve	25804.42	Valve	2662.65	36	0.312	52					12:46	335			649									1250	Unknown		
56559	GirthWeld		167234		34.27	36.72	36.72	45660	Valve	25838.69	Valve	2628.38	36	0.312	52					0.069444	335			649									1250	Unknown		
56560	GirthWeld		167270.7		36.72	39.24	39.24	45670	Valve	25875.41	Valve	2591.66	36	0.312	52					0.445833	335			649									1250	Unknown		
56561	GirthWeld		167309.9		39.24	39.8	39.79	45680	Valve	25914.65	Valve	2552.42	36	0.312	52					0.465278	335			649									1250	Unknown		
56562	GirthWeld		167349.7		39.8	39.59	39.6	45690	Valve	25954.45	Valve	2512.62	36	0.312	52					2:08	335			649									1250	Unknown		
56563	GirthWeld		167389.3		39.59	38.26	38.26	45700	Valve	25994.04	Valve	2473.03	36	0.312	52					1:16	335			649									1250	Unknown		
56564	GirthWeld		167427.6		38.26	37.91	37.91	45710	Valve	26032.3	Valve	2434.77	36	0.312	52					0.479167	335			649									1250	Unknown		
56565	GirthWeld		167465.5		37.91	38.93	38.92	45720	Valve	26070.21	Valve	2396.86	36	0.312	52					0.445833	335			649									1250	Unknown		
56566	GirthWeld		167504.4		38.92	39.85	39.85	45730	Valve	26109.14	Valve	2357.93	36	0.312	52					0.080556	335			649									1250	Unknown		
56567	GirthWeld		167544.3		39.84	39.87	39.86	45740	Valve	26148.98	Valve	2318.09	36	0.312	52					1:08	335			649									1250	Unknown		
56568	GirthWeld		167584.1		39.87	39.84	39.85	45750	Valve	26188.85	Valve	2278.22	36	0.312	52					9:08	335			649									1250	Unknown		
56569	GirthWeld		167624		39.84	39.79	39.79

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
56582	GirthWeld		168061.1		39.63	39.35	39.35	45870	Valve	26665.85	Valve	1801.22	36	0.312	52					2:20	335			649									1250	Unknown		
56583	GirthWeld		168100.5		39.35	39.8	39.8	45880	Valve	26705.2	Valve	1761.87	36	0.312	52					1:34	335			649									1250	Unknown		
56584	GirthWeld		168140.3		39.8	39.85	39.85	45890	Valve	26745	Valve	1722.07	36	0.312	52					0.455556	335			649									1250	Unknown		
56585	GirthWeld		168180.1		39.85	39.84	39.84	45900	Valve	26784.85	Valve	1682.22	36	0.312	52					0.472222	335			649									1250	Unknown		
56586	GirthWeld		168220		39.84	34.79	34.79	45910	Valve	26824.69	Valve	1642.38	36	0.312	52					0.519444	335			649									1250	Unknown		
56587	GirthWeld		168254.8		34.79	35.89	35.89	45920	Valve	26859.48	Valve	1607.59	36	0.312	52					11:39	335			649									1250	Unknown		
56588	GirthWeld		168290.6		35.89	31.78	31.78	45930	Valve	26895.37	Valve	1571.7	36	0.312	52					12:52	335			649									1250	Unknown		
56589	GirthWeld		168322.4		31.78	32.13	32.13	45940	Valve	26927.15	Valve	1539.92	36	0.312	52					0.484722	335			649									1250	Unknown		
56590	GirthWeld		168354.6		32.13	39.25	39.25	45950	Valve	26959.28	Valve	1507.79	36	0.312	52					0.529167	335			649									1250	Unknown		
56591	GirthWeld		168393.8		39.25	40	40	45960	Valve	26998.53	Valve	1468.54	36	0.312	52					0.494444	335			649									1250	Unknown		
56592	GirthWeld		168433.8		40	32.87	32.88	45970	Valve	27038.53	Valve	1428.54	36	0.312	52					1:05	335			649									1250	Unknown		
56593	GirthWeld		168466.7		32.88	40.15	40.14	45980	Valve	27071.4	Valve	1395.67	36	0.312	52					10:06	335			649									1250	Unknown		
56595	CLUSTER	YES	168480.6		13.88	26.26	40.14	45980	Valve	27085.28	Valve	1381.79	36	0.312	52	0.18	0.06	4.25	1.07	0.257639	335	1021	735	649	0.46	1.14							1250	Unknown		
56598	MELO-CORR	YES	168481.9		15.24	24.91	40.14	45980	Valve	27086.64	Valve	1380.43	36	0.312	52	0.16	0.05	1.14	0.16	0.244444	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56599	MELO-CORR	YES	168485.1		18.43	21.72	40.14	45980	Valve	27089.83	Valve	1377.24	36	0.312	52	0.2	0.06	1.22	0.16	0.243056	335	1066	768	649	0.44	1.18							1598	Metal Loss		
56600	MELO-CORR	YES	168486.9		20.22	19.92	40.14	45980	Valve	27091.62	Valve	1375.45	36	0.312	52	0.15	0.05	1.22	0.20	5:49	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56601	MELO-CORR	YES	168487.3		20.58	19.56	40.14	45980	Valve	27091.98	Valve	1375.09	36	0.312	52	0.16	0.05	1.14	0.16	5:51	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56603	CLUSTER	YES	168487.5		20.8	19.35	40.14	45980	Valve	27092.2	Valve	1374.87	36	0.312	52	0.15	0.05	4.39	1.35	0.258333	335	1029	741	649	0.45	1.14							1250	Unknown		
56605	CLUSTER	YES	168487.5		20.87	19.28	40.14	45980	Valve	27092.27	Valve	1374.8	36	0.312	52	0.18	0.06	3.38	0.41	0.239583	335	1034	744	649	0.45	1.16							1250	Unknown		
56608	MELO-CORR	YES	168489.6		22.92	17.22	40.14	45980	Valve	27094.32	Valve	1372.75	36	0.312	52	0.15	0.05	1.30	0.16	0.241667	335	1068	769	649	0.44	1.18							1598	Metal Loss		
56610	CLUSTER	YES	168489.8		23.15	16.99	40.14	45980	Valve	27094.55	Valve	1372.52	36	0.312	52	0.25	0.08	22.38	3.43	5:42	335	886	638	649	0.52	1.05							1250	Unknown		
56623	CLUSTER	YES	168492.8		26.1	14.05	40.14	45980	Valve	27097.5	Valve	1369.57	36	0.312	52	0.19	0.06	14.20	3.74	5:26	335	947	682	649	0.49	1.09							1250	Unknown		
56636	CLUSTER	YES	168494.4		27.72	12.43	40.14	45980	Valve	27099.12	Valve	1367.95	36	0.312	52	0.16	0.05	7.45	3.17	0.2375	335	996	717	649	0.47	1.11							1250	Unknown		
56643	CLUSTER	YES	168495.1		28.44	11.7	40.14	45980	Valve	27099.84	Valve	1367.23	36	0.312	52	0.16	0.05	9.06	1.92	0.241667	335	986	710	649	0.47	1.11							1250	Unknown		
56649	CLUSTER	YES	168496.1		29.46	10.68	40.14	45980	Valve	27100.86	Valve	1366.21	36	0.312	52	0.29	0.09	6.43	1.16	0.269444	335	938	675	649	0.50	1.09							1250	Unknown		
56655	CLUSTER	YES	168496.9		30.23	9.91	40.14	45980	Valve	27101.64	Valve	1365.43	36	0.312	52	0.15	0.05	7.43	0.47	6:35	335	1001	721	649	0.46	1.12							1250	Unknown		
56659	CLUSTER	YES	168498.1		31.42	8.72	40.14	45980	Valve	27102.82	Valve	1364.25	36	0.312	52	0.17	0.05	7.67	2.64	6:22	335	989	712	649	0.47	1.11							1250	Unknown		
56668	CLUSTER	YES	168505.6		38.93	1.22	40.14	45980	Valve	27110.33	Valve	1356.74	36	0.312	52	0.19	0.06	9.22	1.45	0.270139	335	967	697	649	0.48	1.11							1250	Unknown		
56673	GirthWeld		168506.8		40.15	39.99	39.99	45990	Valve	27111.55	Valve	1355.52	36	0.312	52					0.395139	335			649									1250	Unknown		
56674	MELO-CORR	YES	168521.6		14.74	25.25	39.99	45990	Valve	27126.29	Valve	1340.78	36	0.312	52	0.19	0.06	1.10	0.43	0.286111	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56676	CLUSTER	YES	168531.6		24.73	15.26	39.99	45990	Valve	27136.28	Valve	1330.79	36	0.312	52	0.19	0.06	13.32	2.11	6:07	335	950	684	649	0.49	1.09							1250	Unknown		
56687	CLUSTER	YES	168539.5		32.72	7.27	39.99	45990	Valve	27144.27	Valve	1322.8	36	0.312	52	0.18	0.06	3.86	1.16	6:06	335	1027	739	649	0.45	1.14							1250	Unknown		
56691	CLUSTER	YES	168540		33.2	6.79	39.99	45990	Valve	27144.75	Valve	1322.32	36	0.312	52	0.28	0.09	14.68	2.64	0.247917	335	880	634	649	0.53	1.01							1250	Unknown		
56702	MELO-CORR	YES	168541.4		34.56	5.43	39.99	45990	Valve	27146.11	Valve	1320.96	36	0.312	52	0.15	0.05	1.18	0.16	0.253472	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56703	GirthWeld		168546.8		39.99	39.86	39.87	46000	Valve	27151.54	Valve	1315.53	36	0.312	52					0.534722	335			649									1250	Unknown		
56704	MELO-CORR	YES	168547.8		1.03	38.83	39.87	46000	Valve	27152.57	Valve	1314.5	36	0.312	52	0.19	0.06	1.22	0.35	6:15	335	1067	768	649	0.44	1.18							1598	Metal Loss		
56705	GirthWeld		168586.7		39.86	39.77	39.77	46010	Valve	27191.4	Valve	1275.67	36	0.312	52					2:26	335			649									1250	Unknown		
56706	GirthWeld		168626.4		39.77	6.14	6.14	46020	Valve	27231.17	Valve	1235.9	36	0.312	52					0.051389	335			649									1250	Unknown		
56707	GirthWeld		168632.6		6.14	38.22	38.21	46030	Valve	27237.31	Valve	1229.76	36	0.312	52					0.522222	335			649									1250	Unknown		
56708	GirthWeld		168670.8		38.22	39.95	39.95	46040	Valve	27275.53	Valve	1191.54	36	0.312	52					0.419444	335			649									1250	Unknown		
56709	GirthWeld		168710.8		39.95	39.84	39.84	46050	Valve	27315.48	Valve	1151.59	36	0.312	52					10:56	335			649									1250	Unknown		
56710	GirthWeld		168750.6		39.84	39.81	39.82	46060	Valve	27355.32	Valve	1111.75	36	0.312	52					1:50	335			649									1250	Unknown		
56711	GirthWeld		168790.4		39.81	39.19	39.19	46070	Valve	27395.13	Valve	1071.94	36	0.312	52					0.043056	335			649									1250	Unknown		
56712	GirthWeld		168829.6		39.19	39.06	39.06	46080	Valve	27434.32	Valve	1032.75	36	0.312	52					0.472222	335			649									1250	Unknown		
56713	GirthWeld		168868.7		39.06	39.65	39.65	46090	Valve	27473.38	Valve	993.69	36	0.312	52					0.440278	335			649									1250	Unknown		
56714	GirthWeld		168908.3		39.65	39.21	39.21	46100	Valve	27513.03	Valve	954.04	36	0.312	52					2:28	335			649									1250	Unknown		
56715	GirthWeld		168947.5		39.21	39.79	39.79	46110	Valve	27552.24	Valve	914.83	36	0.312	52					1:04	335			649									1250	Unknown		
56716	GirthWeld		168987.3		39.79	39.85	39.85	46120	Valve	27592.03	Valve	875.04	36	0.312	52					0.469444	335			649									1250	Unknown		
56717	GirthWeld		169027.2		39.85	39.82	39.82	46130	Valve	27631.88	Valve	835.19	36	0.312	52					0.452778	335			649									1250	Unknown		
56718	GirthWeld		169067		39.82	39.87	39.87	46140	Valve	27671.7	Valve	795.37	36	0.312	52					0.531944	335			649									1250	Unknown		
56719	GirthWeld		169106.8		39.87	39.79	39.79	46150	Valve	27711.57	Valve	755.5	36	0.312	52					12:30	335			649									1250	Unknown		
56720	GirthWeld		169146.6		39.79	38.69	38.68	46160	Valve	27751.36	Valve	715.71	36	0.312	52					10:52	335			649									1250	Unknown		
56721	GirthWeld		169185.3		38.69	39.45	39.45	46170	Valve	27790.05	Valve	677.02	36	0.312	52					0.065278	335			649									1250	Unknown		
56722	GirthWeld		169224.8		39.45	39.59	39.59	46180	Valve	27829.5	Valve	637.57	36	0.312	52					0.458333	335			649									1250	Unknown		
56723	GirthWeld		169264.4		39.6	39.82	39.81	46190	Valve	27869.1	Valve	597.98	36	0.312	52					0.476389	335			649									1250	Unknown		
56724	GirthWeld		169304.2		39.82	39.47	39.47	46200	Valve	27908.91	Valve	558.16	36	0.312	52					1:42	335			649									1250	Unknown		
56725	GirthWeld		169343.7		39.47	39.75	39.76	46210	Valve	27948.38	Valve	518.69	36	0.312	52					1:00	335			649									1250	Unknown		
56726	GirthWeld		169383.4		39.75	39.87	39.86	46220	Valve	27988.13	Valve	478.94	36	0.312	52					0.458333	335			649									1250	Unknown		
56727	GirthWeld		169423.3		39.87	39.8	39.8	46230	Valve	28028	Valve	439.07	36	0.312	52					0.416667	335			649									1250	Unknown		
56728	GirthWeld		169463.1		39.8	18.8	18.8	46240	Valve	28067.8	Valve	399.27	36	0.312	52					0.458333	335			649									1250	Unknown		
56729	GirthWeld		169481.9		18.8	37.72	37.72	46250	Valve	28086.6	Valve	380.47	36	0.312	52					9:08	335			649									1250	Unknown		
56730	GirthWeld		169519.6		37.72	39.54	39.54	46260	Valve	28124.32	Valve	342.75	36	0.312	52					5:28	335			649									1250	Unknown		
56731	GirthWeld		169559.1		39.54	39.19	39.19	46270	Valve	28163.86	Valve	303.21	36	0.312	52					0.220139	335			649									1250	Unknown		
56732	GirthWeld		169598.3		39.18	39.9	39.9	46280	Valve	28203.05	Valve	264.02	36	0.312	52					0.050694	335			649									1250	Unknown		
56734	CLUSTER	YES	169605.2		6.84	33.06	39.9	46280	Valve	28209.89	Valve	257.18	36	0.312	52	0.15	0.05	18.25	1.42	0.248611	335	968	697	649	0.48	1.09							1250	Unknown		
56743	CLUSTER	YES	169615.9		17.62	22.28	39.9	46280	Valve	28220.67	Valve	246.4	36	0.312	52	0.17	0.05	9.28	1.23	4:30	335	979	705	649	0.48	1.11							1250	Unknown		
56747	CLUSTER	YES	169618.6		20.3	19.6	39.9	46280	Valve	28223.35	Valve	243.72	36	0.312	52	0.15	0.05	2.83	0.47	4:26	335	1049	755	649	0.44	1.16							1250	Unknown		
56750	CLUSTER	YES	169619.7		21.33	18.57	39.9	46280	Valve	28224.38	Valve	242.69	36	0.312	52	0.15	0.05	2.94	0.60	0.188194	335	1047	754	649	0.44	1.16							1250	Unknown		
56752	MELO-CORR	YES	169621		22.68	17.22	39.9	46280	Valve	28225.73	Valve	241.34	36	0.312	52	0.16	0.05	0.94	0.55	0.252083	335	1071	771	649	0.43	1.19							1598	Metal Loss		
56753	MELO-CORR	YES	169623.3		24.97	14.93	39.9	46280	Valve	28228.02	Valve	239.05	36	0.312	52	0.19	0.06	1.14	0.20	0.193056	335	1068	769	649	0.44	1.18							1598	Metal Loss		
56754	GirthWeld		169638.2		39.9	39.35	39.36	46290	Valve	28242.95	Valve	224.12	36	0.312	52					11:34	335			649									1250	Unknown		
56755	MELO-CORR	YES	169640.7		2.46	36.89	39.36	46290	Valve	28245.41	Valve	221.66	36	0.312	52	0.15	0.05	0.98	0.20	5:52	335	1071	771	649	0.43	1.19							1598	Metal Loss		
56756	MELO-CORR	YES	169641.8		3.59	35.76	39.36	46290	Valve	28246.54	Valve	220.53	36	0.312	52	0.17	0.05	1.14	0.20	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56758	CLUSTER	YES	169647.9		9.63	29.73	39.36	46290	Valve	28252.58	Valve	214.49	36	0.312	52	0.17	0.05	11.05	0.91	0.244444	335	971	699	649	0.48	1.10							1250	Unknown		
56762	AS_Casing		169662.9		24.65	14.7	39.36	46290	Valve	28267.6	Valve	199.47	36	0.312	52						335			649									1590	Casing		
56763	GirthWeld		169677.6		39.35	30.99	30.98	46300	Valve	28282.3	Valve	184.77	36	0.312	52					12:58	335			649									1250	Unknown		
56765	CLUSTER	YES	169707.6		30.05	0.94	30.98	46300	Valve	28312.35	Valve	154.72	36	0.312	52	0.18	0.06	5.51	0.60	6:21	335	1004	723	649	0.46	1.13							1250	Unknown		
56767	GirthWeld		169708.6		30.99	38.98	38.98	46310	Valve	28313.29	Valve	153.78	36	0.312	52					0.476389	335			649									1250	Unknown		
56769	CLUSTER	YES	169721		12.45	26.53	38.98	46310	Valve	28325.74	Valve	141.33	36	0.312	52	0.26	0.08	4.27	1.23	0.258333	335	991	714	649	0.47	1.14							1250	Unknown		
56772	MELO-CORR	YES	169735.2		26.59	12.39	38.98	46310	Valve	28339.88	Valve	127.19	36	0.312	52	0.17	0.05	1.10	0.24	0.263889	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56773	GirthWeld		169747.5		38.98	25.3	25.3	46320	Valve	28352.27	Valve	114.8	36	0.312	52					10:54	335			649									1250	Unknown		
56774	MELO-CORR	YES	169760.4		12.88	12.42	25.3	46320	Valve	28365.15	Valve	101.92	36	0.312	52	0.15	0.05	1.10	0.24	5:23	335	1070	770	649	0.43	1.19							1598	Metal Loss		
56775	MELO-CORR	YES	169760.7		13.17	12.13	25.3	46320	Valve	28365.44	Valve	101.63	36	0.312	52	0.16	0.05	1.22	0.35	0.214583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56776	MELO-CORR	YES	169766.2		18.63	6.66	25.3	46320	Valve	28370.9	Valve	96.17	36	0.312	52	0.15	0.05	1.10	0.20	0.220139	335	1070	770	649	0.43	1.19							1598	Metal Loss		
56777	MELO-CORR	YES	169766.5		18.95	6.35	25.3	46320	Valve	28371.22	Valve	95.85	36	0.312	52	0.22	0.07	1.18	0.47	0.217361	335	1066	767	649	0.44	1.18							1598	Metal Loss		
56779	CLUSTER	YES	169768		20.42	4.88	25.3	46320	Valve	28372.69	Valve	94.38	36	0.312	52	0.19	0.06	8.23	2.39	5:07	335	974	701	649	0.48	1.10							1250	Unknown		
56787	CLUSTER	YES	169769.2		21.61	3.69	25.3	46320	Valve	28373.88	Valve	93.19	36	0.312	52	0.15	0.05	1.48	1.32	5:08	335	1066	768	649	0.44	1.18							1250	Unknown		
56790	CLUSTER	YES	169769.7		22.13	3.17	25.3	46320	Valve	28374.4	Valve	92.67	36	0.312	52	0.21	0.07	1.21	0.54	0.211111	335	1066	767	649	0.44	1.18							1250	Unknown		
56792	MELO-CORR	YES	169770.4		22.89	2.41	25.3	46320	Valve	28375.16	Valve	91.91	36	0.312	52	0.16	0.05	1.18	0.20	0.214583	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56794	CLUSTER	YES	169770.8		23.22	2.08	25.3	46320	Valve	28375.49	Valve	91.58	36	0.312	52	0.19	0.06	2.63	0.69	0.2125	335	1044	752	649	0.45	1.16							1250	Unknown		
56797	MELO-CORR	YES	169771.4		23.89	1.41	25.3	46320	Valve	28376.16	Valve	90.91	36	0.312	52	0.17	0.05	1.10	0.20	5:23	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56798	GirthWeld		169772.8		25.3	39.15	39.15	46330	Valve	28377.57	Valve	89.5	36	0.312	52					11:44	335			649									1250	Unknown		
56800	CLUSTER	YES	169778.1		5.21	33.94	39.15	46330	Valve	28382.78	Valve	84.29	36	0.312	52	0.19	0.06	4.06	1.98	0.224306	335	1020	735	649	0.46	1.15							1250	Unknown		
56803	CLUSTER	YES	169782.8		9.95	29.2	39.15	46330	Valve	28387.52	Valve	79.55	36	0.312	52	0.15	0.05	2.80	0.44	0.26875	335	1049	756	649	0.44	1.17							1250	Unknown		
56805	AE_Casing		169783.9		11.01	28.14	39.15	46330	Valve	28388.58	Valve	78.49	36	0.312	52						335			649									1590	Casing		
56806	MELO-CORR	YES	169791		18.14	21.01	39.15	46330	Valve	28395.71	Valve	71.36	36	0.312	52	0.18	0.06	1.14	0.24	5:42	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56807	MELO-CORR	YES	169793.1		20.22	18.93	39.15	46330	Valve	28397.79	Valve	69.28	36	0.312	52	0.17	0.05	1.22	0.20	6:22	335	1068	769	649	0.44	1.18							1598	Metal Loss		
56808	GirthWeld		169812		39.15	39.85	39.85	46340	Valve	28416.72	Valve	50.35	36	0.312	52					0.504167	335			649									1250	Unknown		
56810	CLUSTER	YES	169824		11.97	27.88	39.85	46340	Valve	28428.69	Valve	38.38	36	0.312	52	0.16	0.05	1.58	0.82	0.260417	335	1064	766	649	0.44	1.18							1250	Unknown		
56813	CLUSTER	YES	169829.7		17.72	22.13	39.85	46340	Valve	28434.44	Valve	32.63	36	0.312	52	0.16	0.05	5.09	0.69	0.243056	335	1017	733	649	0.46	1.13							1250	Unknown		
56817	CLUSTER	YES	169840.5		28.55	11.3	39.85	46340	Valve	28445.27	Valve	21.8	36	0.312	52	0.16	0.05	5.69	0.41	5:51	335	1011	728	649	0.46	1.13							1250	Unknown		
56821	CLUSTER	YES	169849.1		37.12	2.73	39.85	46340	Valve	28453.84	Valve	13.23	36	0.312	52	0.16	0.05	11.12	1.70	6:00	335	977	703	649	0.48	1.10							1250	Unknown		
56828	MELO-CORR	YES	169851.3		39.31	0.54	39.85	46340	Valve	28456.03	Valve	11.04	36	0.312	52	0.17	0.05	1.18	0.43	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56829	GirthWeld		169851.8		39.85	7.63	7.63	46350	Valve	28456.57	Valve	10.5	36	0.312	52					0.511806	335			649									1250	Unknown		
56830	LWFE	n/a	169852.5		0.69	6.94	7.63	46350	Valve	28457.26	Valve	9.81	36	0.312	52					0.511111	335			649									2168	seam weld anomaly		
56831	Tap		169855.5		3.64	3.99	7.63	46350	Valve	28460.21	Valve	6.86	36	0.312	52					12:00	335			649									1790	Tap		
56832	AS_Inst		169859.5		7.63	5.74	5.74	46360	Valve	28464.2	Valve	2.87	36	0.438	52					UNKN	335			911									1250	Unknown		
56833	Valve		169862.3		2.87	2.87	5.74	46360	Valve	28467.07	Valve	5981.94	36	0.438	52						335			911									1589	Valve		
56834	AE_Inst		169865.2		5.74	9.89	9.89	46370	Valve	2.87	Valve	5979.07	36	0.312	52					0.063889	335			649	

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
56848	GirthWeld		170094.9		39.84	39	39	46460	Valve	232.57	Valve	5749.37	36	0.312	52					11:50	335			649									1250	Unknown		
56849	GirthWeld		170133.9		39	39.85	39.85	46470	Valve	271.57	Valve	5710.37	36	0.312	52					12:24	335			649									1250	Unknown		
56850	GirthWeld		170173.8		39.85	39.86	39.86	46480	Valve	311.42	Valve	5670.52	36	0.312	52					0.472222	335			649									1250	Unknown		
56851	GirthWeld		170213.6		39.86	39.94	39.94	46490	Valve	351.28	Valve	5630.66	36	0.312	52					0.480556	335			649									1250	Unknown		
56852	GirthWeld		170253.6		39.94	39.92	39.92	46500	Valve	391.22	Valve	5590.72	36	0.312	52					0.079167	335			649									1250	Unknown		
56853	GirthWeld		170293.5		39.92	39.12	39.12	46510	Valve	431.14	Valve	5550.8	36	0.312	52					11:10	335			649									1250	Unknown		
56854	GirthWeld		170332.6		39.12	39.79	39.79	46520	Valve	470.26	Valve	5511.68	36	0.312	52					10:32	335			649									1250	Unknown		
56855	GirthWeld		170372.4		39.79	39.81	39.82	46530	Valve	510.05	Valve	5471.89	36	0.312	52					0.083333	335			649									1250	Unknown		
56856	GirthWeld		170412.2		39.81	39.83	39.82	46540	Valve	549.86	Valve	5432.08	36	0.312	52					0.527778	335			649									1250	Unknown		
56857	GirthWeld		170452		39.83	39.5	39.5	46550	Valve	589.69	Valve	5392.25	36	0.312	52					0.491667	335			649									1250	Unknown		
56858	GirthWeld		170491.5		39.5	39.76	39.77	46560	Valve	629.19	Valve	5352.75	36	0.312	52					12:58	335			649									1250	Unknown		
56859	GirthWeld		170531.3		39.76	39.85	39.85	46570	Valve	668.95	Valve	5312.99	36	0.312	52					10:34	335			649									1250	Unknown		
56860	GirthWeld		170571.1		39.85	36.36	36.36	46580	Valve	708.8	Valve	5273.14	36	0.312	52					0.477778	335			649									1250	Unknown		
56861	MIFE	n/a	170587.1		15.98	20.38	36.36	46580	Valve	724.78	Valve	5257.16	36	0.312	52					0.395833	335			649									2167	Mill Anomaly		
56862	GirthWeld		170607.5		36.36	39.85	39.85	46590	Valve	745.16	Valve	5236.78	36	0.312	52					0.094444	335			649									1250	Unknown		
56863	GirthWeld		170647.4		39.85	39.83	39.82	46600	Valve	785.01	Valve	5196.93	36	0.312	52					12:04	335			649									1250	Unknown		
56864	GirthWeld		170687.2		39.83	39.22	39.22	46610	Valve	824.84	Valve	5157.1	36	0.312	52					10:34	335			649									1250	Unknown		
56865	GirthWeld		170726.4		39.22	37.65	37.65	46620	Valve	864.06	Valve	5117.88	36	0.312	52					0.059722	335			649									1250	Unknown		
56866	GirthWeld		170764.1		37.65	39.24	39.24	46630	Valve	901.71	Valve	5080.23	36	0.312	52					0.277778	335			649									1250	Unknown		
56867	GirthWeld		170803.3		39.24	39.82	39.82	46640	Valve	940.95	Valve	5040.99	36	0.312	52					0.344444	335			649									1250	Unknown		
56868	GirthWeld		170843.1		39.82	7.93	7.94	46650	Valve	980.77	Valve	5001.17	36	0.312	52					11:12	335			649									1250	Unknown		
56869	GirthWeld		170851		7.93	39.6	39.6	46660	Valve	988.7	Valve	4993.24	36	0.312	52					1:44	335			649									1250	Unknown		
56870	GirthWeld		170890.6		39.6	39.83	39.83	46670	Valve	1028.3	Valve	4953.64	36	0.312	52					0.445833	335			649									1250	Unknown		
56871	GirthWeld		170930.5		39.83	39.91	39.9	46680	Valve	1068.13	Valve	4913.81	36	0.312	52					0.484028	335			649									1250	Unknown		
56872	MELO-CORR	YES	170950.3		19.78	20.13	39.9	46680	Valve	1087.91	Valve	4894.03	36	0.312	52	0.17	0.05	1.10	0.20	0.273611	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56873	GirthWeld		170970.4		39.91	39.85	39.86	46690	Valve	1108.04	Valve	4873.9	36	0.312	52					10:54	335			649									1250	Unknown		
56875	CLUSTER	YES	170972.5		2.14	37.71	39.86	46690	Valve	1110.18	Valve	4871.76	36	0.312	52	0.19	0.06	3.31	2.45	5:46	335	1033	744	649	0.45	1.15							1250	Unknown		
56879	CLUSTER	YES	170979.3		8.94	30.92	39.86	46690	Valve	1116.98	Valve	4864.96	36	0.312	52	0.18	0.06	5.36	2.20	0.239583	335	1006	724	649	0.46	1.13							1250	Unknown		
56881	MELO-CORR	YES	170982.5		12.15	27.7	39.86	46690	Valve	1120.19	Valve	4861.75	36	0.312	52	0.16	0.05	1.10	0.16	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56883	CLUSTER	YES	170987.1		16.68	23.17	39.86	46690	Valve	1124.72	Valve	4857.22	36	0.312	52	0.15	0.05	8.68	0.85	0.233333	335	994	716	649	0.47	1.11							1250	Unknown		
56887	MELO-CORR	YES	170989		18.58	21.27	39.86	46690	Valve	1126.62	Valve	4855.32	36	0.312	52	0.15	0.05	1.22	0.28	6:55	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56889	CLUSTER	YES	170989.4		19.01	20.84	39.86	46690	Valve	1127.05	Valve	4854.89	36	0.312	52	0.16	0.05	17.06	1.64	5:27	335	962	693	649	0.48	1.09							1250	Unknown		
56898	CLUSTER	YES	170990.9		20.55	19.3	39.86	46690	Valve	1128.59	Valve	4853.35	36	0.312	52	0.16	0.05	2.26	0.82	0.222222	335	1055	760	649	0.44	1.17							1250	Unknown		
56900	GirthWeld		171010.2		39.85	40.03	40.03	46700	Valve	1147.89	Valve	4834.05	36	0.312	52					0.4	335			649									1250	Unknown		
56902	CLUSTER	YES	171032.5		22.26	17.78	40.03	46700	Valve	1170.15	Valve	4811.79	36	0.312	52	0.22	0.07	8.60	3.33	0.240278	335	953	686	649	0.49	1.06							1250	Unknown		
56909	CLUSTER	YES	171033		22.79	17.25	40.03	46700	Valve	1170.68	Valve	4811.26	36	0.312	52	0.23	0.07	13.45	2.83	6:02	335	921	663	649	0.51	1.07							1250	Unknown		
56918	MELO-CORR	YES	171036.8		26.57	13.47	40.03	46700	Valve	1174.46	Valve	4807.48	36	0.312	52	0.16	0.05	0.98	0.24	5:53	335	1070	771	649	0.43	1.19							1598	Metal Loss		
56919	GirthWeld		171050.3		40.03	38.27	38.27	46710	Valve	1187.92	Valve	4794.02	36	0.312	52					0.345833	335			649									1250	Unknown		
56920	GirthWeld		171088.5		38.27	39.23	39.23	46720	Valve	1226.19	Valve	4755.75	36	0.312	52					0.416667	335			649									1250	Unknown		
56921	GirthWeld		171127.8		39.23	20.05	20.05	46730	Valve	1265.42	Valve	4716.52	36	0.312	52					0.534722	335			649									1250	Unknown		
56922	GirthWeld		171147.8		20.05	39.81	39.81	46740	Valve	1285.47	Valve	4696.47	36	0.312	52					12:12	335			649									1250	Unknown		
56923	GirthWeld		171187.6		39.81	39.01	39.01	46750	Valve	1325.28	Valve	4656.66	36	0.312	52					11:14	335			649									1250	Unknown		
56924	GirthWeld		171226.6		39.01	39.82	39.82	46760	Valve	1364.29	Valve	4617.65	36	0.312	52					0.516667	335			649									1250	Unknown		
56925	GirthWeld		171266.5		39.82	39.79	39.8	46770	Valve	1404.11	Valve	4577.83	36	0.312	52					0.473611	335			649									1250	Unknown		
56926	GirthWeld		171306.2		39.79	39.84	39.84	46780	Valve	1443.9	Valve	4538.04	36	0.312	52					0.075	335			649									1250	Unknown		
56927	GirthWeld		171346.1		39.84	39.6	39.6	46790	Valve	1483.74	Valve	4498.2	36	0.312	52					12:09	335			649									1250	Unknown		
56929	CLUSTER	YES	171363.6		17.53	22.06	39.6	46790	Valve	1501.27	Valve	4480.67	36	0.312	52	0.15	0.05	6.00	2.23	5:48	335	1013	729	649	0.46	1.13							1250	Unknown		
56932	CLUSTER	YES	171370		23.87	15.72	39.6	46790	Valve	1507.61	Valve	4474.33	36	0.312	52	0.21	0.07	7.68	1.13	0.248611	335	967	696	649	0.48	1.10							1250	Unknown		
56936	GirthWeld		171385.7		39.6	39.83	39.83	46800	Valve	1523.34	Valve	4458.6	36	0.312	52					0.421528	335			649									1250	Unknown		
56938	CLUSTER	YES	171396.9		11.19	28.64	39.83	46800	Valve	1534.53	Valve	4447.41	36	0.312	52	0.25	0.08	14.30	2.14	0.246528	335	903	650	649	0.51	1.08							1250	Unknown		
56946	MELO-CORR	YES	171401.8		16.15	23.68	39.83	46800	Valve	1539.49	Valve	4442.45	36	0.312	52	0.2	0.06	1.22	0.32	6:06	335	1066	768	649	0.44	1.18							1598	Metal Loss		
56948	CLUSTER	YES	171403.1		17.45	22.38	39.83	46800	Valve	1540.79	Valve	4441.15	36	0.312	52	0.23	0.07	6.20	0.94	5:57	335	972	700	649	0.48	1.10							1250	Unknown		
56951	MELO-CORR	YES	171404.5		18.8	21.03	39.83	46800	Valve	1542.14	Valve	4439.8	36	0.312	52	0.17	0.05	1.22	0.47	0.248611	335	1068	769	649	0.44	1.18							1598	Metal Loss		
56952	MELO-CORR	YES	171404.8		19.12	20.71	39.83	46800	Valve	1542.46	Valve	4439.48	36	0.312	52	0.18	0.06	1.10	0.20	0.253472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56954	CLUSTER	YES	171405.6		19.94	19.89	39.83	46800	Valve	1543.28	Valve	4438.66	36	0.312	52	0.21	0.07	8.09	2.01	0.245139	335	964	694	649	0.48	1.09							1250	Unknown		
56960	CLUSTER	YES	171407.9		22.2	17.63	39.83	46800	Valve	1545.54	Valve	4436.4	36	0.312	52	0.19	0.06	5.45	1.82	5:55	335	1001	721	649	0.46	1.13							1250	Unknown		
56965	CLUSTER	YES	171408.6		22.89	16.94	39.83	46800	Valve	1546.23	Valve	4435.71	36	0.312	52	0.22	0.07	4.46	0.66	5:52	335	1003	722	649	0.46	1.13							1250	Unknown		
56969	CLUSTER	YES	171409.1		23.43	16.4	39.83	46800	Valve	1546.77	Valve	4435.17	36	0.312	52	0.15	0.05	15.14	2.23	0.246528	335	973	700	649	0.48	1.09							1250	Unknown		
56976	CLUSTER	YES	171411.8		26.11	13.72	39.83	46800	Valve	1549.45	Valve	4432.49	36	0.312	52	0.15	0.05	4.37	1.13	0.248611	335	1029	741	649	0.45	1.14							1250	Unknown		
56979	CLUSTER	YES	171414.2		28.51	11.32	39.83	46800	Valve	1551.85	Valve	4430.09	36	0.312	52	0.15	0.05	3.80	0.85	0.247222	335	1036	746	649	0.45	1.15							1250	Unknown		
56982	CLUSTER	YES	171417.1		31.44	8.39	39.83	46800	Valve	1554.78	Valve	4427.16	36	0.312	52	0.16	0.05	2.36	0.66	6:23	335	1054	759	649	0.44	1.17							1250	Unknown		
56984	GirthWeld		171425.5		39.83	39.82	39.82	46810	Valve	1563.17	Valve	4418.77	36	0.312	52					10:56	335			649									1250	Unknown		
56985	GirthWeld		171465.3		39.82	39.62	39.62	46820	Valve	1602.99	Valve	4378.95	36	0.312	52					0.536111	335			649									1250	Unknown		
56986	GirthWeld		171505		39.62	39.76	39.76	46830	Valve	1642.61	Valve	4339.33	36	0.312	52					0.480556	335			649									1250	Unknown		
56987	GirthWeld		171544.7		39.76	38.38	38.38	46840	Valve	1682.37	Valve	4299.57	36	0.312	52					0.401389	335			649									1250	Unknown		
56988	GirthWeld		171583.1		38.38	39.14	39.13	46850	Valve	1720.75	Valve	4261.19	36	0.312	52					11:42	335			649									1250	Unknown		
56989	GirthWeld		171622.2		39.14	39.85	39.86	46860	Valve	1759.89	Valve	4222.05	36	0.312	52					1:18	335			649									1250	Unknown		
56990	GirthWeld		171662.1		39.85	39.85	39.85	46870	Valve	1799.74	Valve	4182.2	36	0.312	52					0.504167	335			649									1250	Unknown		
56991	GirthWeld		171701.9		39.85	39.09	39.09	46880	Valve	1839.59	Valve	4142.35	36	0.312	52					0.0625	335			649									1250	Unknown		
56992	MELO-CORR	YES	171719.9		17.98	21.11	39.09	46880	Valve	1857.57	Valve	4124.37	36	0.312	52	0.15	0.05	1.18	0.20	0.249306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
56993	MELO-CORR	YES	171720.8		18.89	20.2	39.09	46880	Valve	1858.48	Valve	4123.46	36	0.312	52	0.2	0.06	1.10	0.28	5:58	335	1068	769	649	0.44	1.19							1598	Metal Loss		
56994	GirthWeld		171741		39.09	39.8	39.8	46890	Valve	1878.68	Valve	4103.26	36	0.312	52					11:54	335			649									1250	Unknown		
56995	MELO-CORR	YES	171747.7		6.72	33.08	39.8	46890	Valve	1885.4	Valve	4096.54	36	0.312	52	0.17	0.05	1.14	0.51	0.251389	335	1069	769	649	0.44	1.19							1598	Metal Loss		
56996	GirthWeld		171780.8		39.8	39.86	39.86	46900	Valve	1918.48	Valve	4063.46	36	0.312	52					0.459722	335			649									1250	Unknown		
56997	GirthWeld		171820.7		39.86	39.77	39.76	46910	Valve	1958.34	Valve	4023.6	36	0.312	52					0.518056	335			649									1250	Unknown		
56998	GirthWeld		171860.5		39.77	39.82	39.82	46920	Valve	1998.11	Valve	3983.83	36	0.312	52					11:52	335			649									1250	Unknown		
56999	MELO-CORR	YES	171887.7		27.2	12.61	39.82	46920	Valve	2025.31	Valve	3956.63	36	0.312	52	0.15	0.05	1.22	0.24	6:04	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57000	GirthWeld		171900.3		39.81	35.7	35.7	46930	Valve	2037.92	Valve	3944.02	36	0.312	52					0.055556	335			649									1250	Unknown		
57002	CLUSTER	YES	171921.1		20.86	14.84	35.7	46930	Valve	2058.79	Valve	3923.15	36	0.312	52	0.16	0.05	10.90	1.73	0.250694	335	978	704	649	0.48	1.10							1250	Unknown		
57008	CLUSTER	YES	171923		22.7	13	35.7	46930	Valve	2060.63	Valve	3921.32	36	0.312	52	0.22	0.07	6.12	0.44	0.253472	335	979	705	649	0.48	1.11							1250	Unknown		
57010	GirthWeld		171936		35.7	39.83	39.83	46940	Valve	2073.62	Valve	3908.32	36	0.312	52					11:01	335			649									1250	Unknown		
57011	GirthWeld		171975.8		39.83	39.77	39.77	46950	Valve	2113.45	Valve	3868.49	36	0.312	52					1:00	335			649									1250	Unknown		
57012	GirthWeld		172015.6		39.77	39.93	39.93	46960	Valve	2153.22	Valve	3828.72	36	0.312	52					0.418056	335			649									1250	Unknown		
57013	GirthWeld		172055.5		39.93	39.82	39.82	46970	Valve	2193.15	Valve	3788.79	36	0.312	52					0.480556	335			649									1250	Unknown		
57014	MELO-CORR	YES	172074.9		19.37	20.45	39.82	46970	Valve	2212.52	Valve	3769.42	36	0.312	52	0.17	0.05	1.18	0.24	0.240972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57015	MELO-CORR	YES	172092.3		36.84	2.98	39.82	46970	Valve	2229.99	Valve	3751.95	36	0.312	52	0.15	0.05	1.22	0.16	5:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57016	GirthWeld		172095.3		39.82	39.84	39.85	46980	Valve	2232.97	Valve	3748.97	36	0.312	52					1:32	335			649									1250	Unknown		
57017	GirthWeld		172135.2		39.84	39.74	39.74	46990	Valve	2272.81	Valve	3709.13	36	0.312	52					0.503472	335			649									1250	Unknown		
57018	GirthWeld		172174.9		39.74	32.25	32.25	47000	Valve	2312.55	Valve	3669.39	36	0.312	52					0.415278	335			649									1250	Unknown		
57019	GirthWeld		172207.1		32.25	38.96	38.96	47010	Valve	2344.8	Valve	3637.14	36	0.312	52					0.513194	335			649									1250	Unknown		
57020	MELO-CORR	YES	172208.1		0.94	38.03	38.96	47010	Valve	2345.74	Valve	3636.2	36	0.312	52	0.18	0.06	1.10	0.20	5:50	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57021	MELO-CORR	YES	172232.3		25.11	13.85	38.96	47010	Valve	2369.91	Valve	3612.03	36	0.312	52	0.18	0.06	1.14	0.20	5:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57022	GirthWeld		172246.1		38.96	39.18	39.17	47020	Valve	2383.76	Valve	3598.18	36	0.312	52					0.083333	335			649									1250	Unknown		
57024	CLUSTER	YES	172250.7		4.58	34.59	39.17	47020	Valve	2388.35	Valve	3593.6	36	0.312	52	0.16	0.05	5.42	2.11	0.247222	335	1014	730	649	0.46	1.13							1250	Unknown		
57029	CLUSTER	YES	172257.9		11.78	27.39	39.17	47020	Valve	2395.54	Valve	3586.4	36	0.312	52	0.17	0.05	3.71	1.95	0.247222	335	1032	743	649	0.45	1.15							1250	Unknown		
57032	MELO-CORR	YES	172260		13.93	25.25	39.17	47020	Valve	2397.69	Valve	3584.25	36	0.312	52	0.15	0.05	1.22	0.32	5:44	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57034	CLUSTER	YES	172266.3		20.17	19.01	39.17	47020	Valve	2403.93	Valve	3578.01	36	0.312	52	0.26	0.08	3.55	1.04	6:16	335	1008	726	649	0.46	1.15							1250	Unknown		
57037	MELO-CORR	YES	172270.2		24.1	15.08	39.17	47020	Valve	2407.86	Valve	3574.08	36	0.312	52	0.15	0.05	1.10	0.24	0.251389	335	1070	770	649	0.43	1.19							1598	Metal Loss		
57038	GirthWeld		172285.3		39.18	39.83	39.84	47030	Valve	2422.94	Valve	3559	36	0.312	52					0.481944	335			649									1250	Unknown		
57040	CLUSTER	YES	172286.6		1.29	38.55	39.84	47030	Valve	2424.23	Valve	3557.71	36	0.312	52	0.19	0.06	6.40	1.10	0.240972	335	990	713	649	0.47	1.11							1250	Unknown		
57044	MELO-CORR	YES	172287.4		2.07	37.77	39.84	47030	Valve	2425.01	Valve	3556.93	36	0.312	52	0.22	0.07	1.18	0.24	5:47	335	1066	767	649	0.44	1.18							1598	Metal Loss		
57045	MELO-CORR	YES	172288		2.76	37.07	39.84	47030	Valve	2425.7	Valve	3556.24	36	0.312	52	0.2	0.06	1.10	0.20	5:25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
57046	MELO-CORR	YES	172294		8.75	31.09	39.84	47030	Valve	2431.69	Valve	3550.25	36	0.312	52	0.19	0.06	1.22	0.59	0.254167	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57047	GirthWeld		172325.1		39.83	34.11	34.11	47040	Valve	2462.77	Valve	3519.17	36	0.312	52					0.461111	335			649									1250	Unknown		
57048	GirthWeld		172359.2		34.11	39.83	39.82	47050	Valve	2496.88	Valve	3485.06	36	0.312	52					0.436111	335			649									1250	Unknown		
57049	GirthWeld		172399.1		39.83	39.86	39.87	47060	Valve	2536.71	Valve	3445.23	36	0.312	52					12:46	335			649									1250	Unknown		
57051	CLUSTER	YES	172420.8		21.77	18.09	39.87	47060	Valve	2558.48	Valve	3423.46	36	0.312	52	0.15	0.05	4.48	2.14	5:52	335	1028	740	649	0.45	1.15							1250	Unknown		
57053	GirthWeld		172438.9		39.86	39.81	39.81	47070	Valve	2576.57	Valve	3405.37	36	0.312	52					0.458333	335			649									1250	Unknown		
57054	MELO-CORR	YES	172459.7		20.77	19.04	39.81	47070	Valve	2597.34	Valve	3384.6	36	0.312	52	0.15	0.05	1.22	0.16	0.24375	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57055	GirthWeld		172478.7		39.81	39.23	39.23	47080	Valve	2616.38	Valve	3365.56	36	0.312	52					0.045833	335			649									1250	Unknown		
57056	MELO-CORR	YES	172485.2		6.52	32.71	39.23	47080	Valve	2622.9	Valve	3359.04	36

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
57066	GirthWeld		172793.3		37.77	39.11	39.11	47160	Valve	2930.91	Valve	3051.03	36	0.312	52					10:44	335			649									1250	Unknown		
57067	GirthWeld		172832.4		39.11	37.46	37.46	47170	Valve	2970.02	Valve	3011.92	36	0.312	52					12:30	335			649									1250	Unknown		
57068	GirthWeld		172869.8		37.46	32.17	32.17	47180	Valve	3007.48	Valve	2974.46	36	0.312	52					0.423611	335			649									1250	Unknown		
57069	GirthWeld		172902		32.17	39.69	39.69	47190	Valve	3039.65	Valve	2942.29	36	0.312	52					0.048611	335			649									1250	Unknown		
57070	GirthWeld		172941.7		39.69	39.75	39.75	47200	Valve	3079.34	Valve	2902.6	36	0.312	52					0.458333	335			649									1250	Unknown		
57071	GirthWeld		172981.4		39.75	39.86	39.86	47210	Valve	3119.09	Valve	2862.85	36	0.312	52					12:56	335			649									1250	Unknown		
57072	GirthWeld		173021.3		39.86	38.51	38.51	47220	Valve	3158.95	Valve	2822.99	36	0.312	52					10:32	335			649									1250	Unknown		
57073	GirthWeld		173059.8		38.51	39.81	39.81	47230	Valve	3197.46	Valve	2784.48	36	0.312	52					0.044444	335			649									1250	Unknown		
57074	GirthWeld		173099.6		39.82	39.02	39.02	47240	Valve	3237.27	Valve	2744.67	36	0.312	52					0.451389	335			649									1250	Unknown		
57075	GirthWeld		173138.6		39.02	39.94	39.94	47250	Valve	3276.29	Valve	2705.65	36	0.312	52					0.523611	335			649									1250	Unknown		
57076	GirthWeld		173178.6		39.94	39.93	39.93	47260	Valve	3316.23	Valve	2665.71	36	0.312	52					10:38	335			649									1250	Unknown		
57077	GirthWeld		173218.5		39.93	19.65	19.65	47270	Valve	3356.16	Valve	2625.78	36	0.312	52					1:06	335			649									1250	Unknown		
57078	GirthWeld		173238.2		19.65	39.85	39.85	47280	Valve	3375.81	Valve	2606.13	36	0.312	52					0.451389	335			649									1250	Unknown		
57079	GirthWeld		173278		39.85	31.84	31.84	47290	Valve	3415.66	Valve	2566.28	36	0.312	52					0.540278	335			649									1250	Unknown		
57080	GirthWeld		173309.8		31.84	10.91	10.91	47300	Valve	3447.5	Valve	2534.44	36	0.312	52					0.426389	335			649									1250	Unknown		
57081	GirthWeld		173320.8		10.91	22.35	22.35	47310	Valve	3458.41	Valve	2523.53	36	0.312	52					12:02	335			649									1250	Unknown		
57082	GirthWeld		173343.1		22.35	39.16	39.16	47320	Valve	3480.76	Valve	2501.18	36	0.312	52					2:02	335			649									1250	Unknown		
57083	GirthWeld		173382.3		39.16	38.82	38.82	47330	Valve	3519.92	Valve	2462.02	36	0.312	52					0.419444	335			649									1250	Unknown		
57084	AS_Casing		173410.3		28.04	10.78	38.82	47330	Valve	3547.96	Valve	2433.98	36	0.312	52						335			649									1590	Casing		
57085	GirthWeld		173421.1		38.82	37.47	37.47	47340	Valve	3558.74	Valve	2423.2	36	0.312	52					0.534722	335			649									1250	Unknown		
57086	MIFE	n/a	173452.1		31.04	6.43	37.47	47340	Valve	3589.78	Valve	2392.16	36	0.312	52					9:03	335			649									2167	Mill Anomaly		
57087	GirthWeld		173458.6		37.47	11.72	11.72	47350	Valve	3596.21	Valve	2385.73	36	0.312	52					10:55	335			649									1250	Unknown		
57088	MIFE	n/a	173459.2		0.69	11.03	11.72	47350	Valve	3596.9	Valve	2385.04	36	0.312	52					0.386806	335			649									2167	Mill Anomaly		
57089	GirthWeld		173470.3		11.72	38.93	38.93	47360	Valve	3607.93	Valve	2374.01	36	0.312	52					0.073611	335			649									1250	Unknown		
57090	AE_Casing		173475.4		5.14	33.79	38.93	47360	Valve	3613.07	Valve	2368.87	36	0.312	52						335			649									1590	Casing		
57091	GirthWeld		173509.2		38.93	27.63	27.63	47370	Valve	3646.86	Valve	2335.08	36	0.312	52					10:20	335			649									1250	Unknown		
57092	GirthWeld		173536.8		27.63	16.85	16.85	47380	Valve	3674.49	Valve	2307.45	36	0.438	52					8:58	335			911									1250	Unknown		
57093	GirthWeld		173553.7		16.85	40.14	40.14	47390	Valve	3691.34	Valve	2290.6	36	0.438	52					0.466667	335			911									1250	Unknown		
57095	CLUSTER	YES	173577.3		23.65	16.5	40.14	47390	Valve	3714.99	Valve	2266.95	36	0.438	52	0.21	0.09	6.41	0.66	0.252778	335	1393	1003	911	0.33	1.13							1250	Unknown		
57098	GirthWeld		173593.8		40.14	39.76	39.76	47400	Valve	3731.48	Valve	2250.46	36	0.5	60					0.068056	335			1200									1250	Unknown		
57099	GirthWeld		173633.6		39.76	39.88	39.87	47410	Valve	3771.24	Valve	2210.7	36	0.5	60					11:20	335			1200									1250	Unknown		
57100	GirthWeld		173673.5		39.88	39.47	39.48	47420	Valve	3811.12	Valve	2170.82	36	0.5	60					12:24	335			1200									1250	Unknown		
57101	GirthWeld		173712.9		39.47	36.15	36.15	47430	Valve	3850.59	Valve	2131.35	36	0.438	52					0.179861	335			911									1250	Unknown		
57102	GirthWeld		173749.1		36.15	22.54	22.54	47440	Valve	3886.74	Valve	2095.2	36	0.438	52					0.104167	335			911									1250	Unknown		
57103	GirthWeld		173771.6		22.54	24.49	24.49	47450	Valve	3909.28	Valve	2072.66	36	0.312	52					0.459722	335			649									1250	Unknown		
57104	GirthWeld		173796.1		24.49	39.64	39.64	47460	Valve	3933.77	Valve	2048.17	36	0.312	52					1:22	335			649									1250	Unknown		
57105	GirthWeld		173835.8		39.64	39.48	39.48	47470	Valve	3973.41	Valve	2008.53	36	0.312	52					9:36	335			649									1250	Unknown		
57106	GirthWeld		173875.2		39.48	36.63	36.63	47480	Valve	4012.89	Valve	1969.05	36	0.312	52					0.055556	335			649									1250	Unknown		
57107	GirthWeld		173911.9		36.63	38.31	38.3	47490	Valve	4049.52	Valve	1932.42	36	0.312	52					0.511111	335			649									1250	Unknown		
57108	GirthWeld		173950.2		38.31	39.37	39.37	47500	Valve	4087.83	Valve	1894.11	36	0.312	52					0.044444	335			649									1250	Unknown		
57109	GirthWeld		173989.5		39.37	7.96	7.95	47510	Valve	4127.2	Valve	1854.74	36	0.312	52					1:53	335			649									1250	Unknown		
57110	GirthWeld		173997.5		7.95	28.52	28.53	47520	Valve	4135.15	Valve	1846.79	36	0.312	52					11:21	335			649									1250	Unknown		
57111	GirthWeld		174026		28.52	38.74	38.73	47530	Valve	4163.68	Valve	1818.26	36	0.312	52					0.054167	335			649									1250	Unknown		
57112	GirthWeld		174064.8		38.74	17.1	17.1	47540	Valve	4202.42	Valve	1779.52	36	0.312	52					0.533333	335			649									1250	Unknown		
57113	GirthWeld		174081.9		17.1	38.44	38.44	47550	Valve	4219.52	Valve	1762.42	36	0.312	52					0.444444	335			649									1250	Unknown		
57114	GirthWeld		174120.3		38.44	39.52	39.52	47560	Valve	4257.96	Valve	1723.98	36	0.312	52					1:10	335			649									1250	Unknown		
57115	GirthWeld		174159.8		39.52	38.96	38.96	47570	Valve	4297.48	Valve	1684.46	36	0.312	52					10:50	335			649									1250	Unknown		
57116	GirthWeld		174198.8		38.96	39.32	39.32	47580	Valve	4336.44	Valve	1645.5	36	0.312	52					0.041667	335			649									1250	Unknown		
57117	GirthWeld		174238.1		39.32	39.01	39.01	47590	Valve	4375.76	Valve	1606.18	36	0.312	52					0.433333	335			649									1250	Unknown		
57118	GirthWeld		174277.1		39.01	39.68	39.68	47600	Valve	4414.77	Valve	1567.17	36	0.312	52					0.055556	335			649									1250	Unknown		
57119	GirthWeld		174316.8		39.68	39.85	39.85	47610	Valve	4454.45	Valve	1527.49	36	0.312	52					10:54	335			649									1250	Unknown		
57120	GirthWeld		174356.6		39.85	39.9	39.9	47620	Valve	4494.3	Valve	1487.64	36	0.312	52					12:53	335			649									1250	Unknown		
57121	GirthWeld		174396.5		39.9	39.82	39.82	47630	Valve	4534.2	Valve	1447.74	36	0.312	52					0.456944	335			649									1250	Unknown		
57122	GirthWeld		174436.4		39.82	39.81	39.81	47640	Valve	4574.02	Valve	1407.92	36	0.312	52					0.048611	335			649									1250	Unknown		
57123	GirthWeld		174476.2		39.81	38.23	38.23	47650	Valve	4613.83	Valve	1368.11	36	0.312	52					0.458333	335			649									1250	Unknown		
57124	GirthWeld		174514.4		38.23	39.81	39.81	47660	Valve	4652.06	Valve	1329.88	36	0.312	52					1:00	335			649									1250	Unknown		
57125	GirthWeld		174554.2		39.81	14.8	14.8	47670	Valve	4691.87	Valve	1290.07	36	0.312	52					10:58	335			649									1250	Unknown		
57126	GirthWeld		174569		14.8	38.21	38.21	47680	Valve	4706.67	Valve	1275.27	36	0.312	52					0.538194	335			649									1250	Unknown		
57127	GirthWeld		174607.2		38.21	39.78	39.78	47690	Valve	4744.88	Valve	1237.06	36	0.312	52					0.416667	335			649									1250	Unknown		
57128	GirthWeld		174647		39.78	35.01	35.01	47700	Valve	4784.66	Valve	1197.28	36	0.312	52					0.043056	335			649									1250	Unknown		
57129	GirthWeld		174682		35.01	39.72	39.72	47710	Valve	4819.67	Valve	1162.27	36	0.312	52					10:58	335			649									1250	Unknown		
57130	GirthWeld		174721.7		39.72	40.05	40.05	47720	Valve	4859.39	Valve	1122.55	36	0.312	52					12:54	335			649									1250	Unknown		
57131	GirthWeld		174761.8		40.05	39.95	39.95	47730	Valve	4899.44	Valve	1082.5	36	0.312	52					0.456944	335			649									1250	Unknown		
57133	CLUSTER	YES	174783.7		21.9	18.05	39.95	47730	Valve	4921.34	Valve	1060.6	36	0.312	52	0.18	0.06	4.49	2.11	0.239583	335	1017	732	649	0.46	1.14							1250	Unknown		
57137	CLUSTER	YES	174784.2		22.37	17.59	39.95	47730	Valve	4921.81	Valve	1060.13	36	0.312	52	0.25	0.08	1.58	0.85	0.24375	335	1057	761	649	0.44	1.17							1250	Unknown		
57140	MELO-CORR	YES	174784.7		22.95	17.01	39.95	47730	Valve	4922.39	Valve	1059.55	36	0.312	52	0.22	0.07	1.22	0.51	5:48	335	1065	767	649	0.44	1.18							1598	Metal Loss		
57141	MELO-CORR	YES	174790.4		28.57	11.38	39.95	47730	Valve	4928.01	Valve	1053.93	36	0.312	52	0.18	0.06	1.02	0.16	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
57142	MELO-CORR	YES	174791		29.17	10.78	39.95	47730	Valve	4928.61	Valve	1053.33	36	0.312	52	0.23	0.07	2.56	0.47	0.247222	335	1038	747	649	0.45	1.15							1598	Metal Loss		
57143	MELO-CORR	YES	174800.1		38.29	1.66	39.95	47730	Valve	4937.73	Valve	1044.21	36	0.312	52	0.16	0.05	1.10	0.24	0.280556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
57144	GirthWeld		174801.7		39.95	39.4	39.4	47740	Valve	4939.39	Valve	1042.55	36	0.312	52					0.533333	335			649									1250	Unknown		
57146	CLUSTER	YES	174835.3		33.6	5.81	39.4	47740	Valve	4972.99	Valve	1008.95	36	0.312	52	0.16	0.05	4.81	0.41	5:58	335	1021	735	649	0.46	1.14							1250	Unknown		
57148	GirthWeld		174841.1		39.4	40.16	40.15	47750	Valve	4978.79	Valve	1003.15	36	0.312	52					11:04	335			649									1250	Unknown		
57149	GirthWeld		174881.3		40.16	19.25	19.25	47760	Valve	5018.95	Valve	962.99	36	0.312	52					0.506944	335			649									1250	Unknown		
57150	GirthWeld		174900.5		19.25	39.83	39.83	47770	Valve	5038.2	Valve	943.74	36	0.312	52					0.063889	335			649									1250	Unknown		
57151	GirthWeld		174940.4		39.83	38.9	38.9	47780	Valve	5078.03	Valve	903.91	36	0.312	52					0.452778	335			649									1250	Unknown		
57152	GirthWeld		174979.3		38.9	39.88	39.88	47790	Valve	5116.93	Valve	865.01	36	0.312	52					1:38	335			649									1250	Unknown		
57153	GirthWeld		175019.2		39.88	39.79	39.79	47800	Valve	5156.81	Valve	825.13	36	0.312	52					11:16	335			649									1250	Unknown		
57154	GirthWeld		175058.9		39.79	39.83	39.83	47810	Valve	5196.6	Valve	785.34	36	0.312	52					0.061111	335			649									1250	Unknown		
57155	GirthWeld		175098.8		39.83	12.18	12.17	47820	Valve	5236.43	Valve	745.51	36	0.312	52					0.438889	335			649									1250	Unknown		
57156	GirthWeld		175111		12.18	39.99	39.99	47830	Valve	5248.61	Valve	733.33	36	0.312	52					0.483333	335			649									1250	Unknown		
57157	GirthWeld		175150.9		39.99	39.95	39.95	47840	Valve	5288.6	Valve	693.34	36	0.312	52					12:40	335			649									1250	Unknown		
57158	GirthWeld		175190.9		39.95	38.87	38.87	47850	Valve	5328.55	Valve	653.39	36	0.312	52					11:20	335			649									1250	Unknown		
57159	MELO-CORR	YES	175224.5		33.58	5.29	38.87	47850	Valve	5362.13	Valve	619.81	36	0.312	52	0.19	0.06	1.46	0.16	0.248611	335	1064	766	649	0.44	1.18							1598	Metal Loss		
57161	CLUSTER	YES	175224.9		33.98	4.88	38.87	47850	Valve	5362.53	Valve	619.41	36	0.312	52	0.15	0.05	4.48	0.85	0.247222	335	1028	740	649	0.45	1.14							1250	Unknown		
57164	MELO-CORR	YES	175226.3		35.38	3.49	38.87	47850	Valve	5363.93	Valve	618.01	36	0.312	52	0.18	0.06	1.14	0.47	0.25	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57166	CLUSTER	YES	175226.5		35.59	3.28	38.87	47850	Valve	5364.14	Valve	617.8	36	0.312	52	0.22	0.07	12.07	2.70	5:55	335	933	672	649	0.50	1.07							1250	Unknown		
57177	CLUSTER	YES	175227.9		37.04	1.83	38.87	47850	Valve	5365.59	Valve	616.35	36	0.312	52	0.17	0.05	8.86	2.70	5:49	335	981	707	649	0.47	1.10							1250	Unknown		
57182	MELO-CORR	YES	175229		38.15	0.72	38.87	47850	Valve	5366.7	Valve	615.24	36	0.312	52	0.16	0.05	1.10	0.16	0.266667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
57183	GirthWeld		175229.8		38.87	39.02	39.02	47860	Valve	5367.42	Valve	614.52	36	0.312	52					0.503472	335			649									1250	Unknown		
57185	CLUSTER	YES	175230.3		0.5	38.52	39.02	47860	Valve	5367.92	Valve	614.02	36	0.312	52	0.15	0.05	6.43	2.26	0.23125	335	1009	726	649	0.46	1.13							1250	Unknown		
57190	CLUSTER	YES	175233.2		3.48	35.54	39.02	47860	Valve	5370.9	Valve	611.04	36	0.312	52	0.19	0.06	2.03	0.91	5:58	335	1054	759	649	0.44	1.17							1250	Unknown		
57193	CLUSTER	YES	175237.6		7.84	31.18	39.02	47860	Valve	5375.26	Valve	606.68	36	0.312	52	0.27	0.08	9.54	4.12	5:50	335	915	659	649	0.51	1.08							1250	Unknown		
57203	CLUSTER	YES	175238.5		8.73	30.29	39.02	47860	Valve	5376.15	Valve	605.79	36	0.312	52	0.24	0.08	6.28	5.06	0.241667	335	967	696	649	0.48	1.08							1250	Unknown		
57213	CLUSTER	YES	175239.4		9.65	29.37	39.02	47860	Valve	5377.07	Valve	604.87	36	0.312	52	0.33	0.10	22.45	5.00	0.240972	335	822	592	649	0.57	0.97							1250	Unknown		
57244	CLUSTER	YES	175241.6		11.85	27.17	39.02	47860	Valve	5379.27	Valve	602.67	36	0.312	52	0.28	0.09	11.83	4.15	0.243056	335	893	643	649	0.52	1.05							1250	Unknown		
57259	CLUSTER	YES	175242.8		13.03	25.99	39.02	47860	Valve	5380.45	Valve	601.49	36	0.312	52	0.28	0.09	81.72	8.20	5:35	335	828	596	649	0.56	1.01							1250	Unknown		
57299	MELO-CORR	YES	175245		15.18	23.83	39.02	47860	Valve	5382.61	Valve	599.33	36	0.312	52	0.18	0.06	1.14	0.32	5:47	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57303	MELO-CORR	YES	175245.2		15.43	23.59	39.02	47860	Valve	5382.85	Valve	599.09	36	0.312	52	0.19	0.06	1.18	0.20	0.278472	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57316	MELO-CORR	YES	175245.8		16.02	23	39.02	47860	Valve	5383.44	Valve	598.5	36	0.312	52	0.15	0.05	1.22	0.47	0.244444	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57335	MELO-CORR	YES	175247.1		17.3	21.71	39.02	47860	Valve	5384.72	Valve	597.22	36	0.312	52	0.24	0.08	1.22	0.39	0.290972	335	1064	766	649	0.44	1.18							1598	Metal Loss		
57370	MELO-CORR	YES	175249.7		19.94	19.08	39.02	47860	Valve	5387.38	Valve	594.58	36	0.312	52	0.23	0.07	1.30	0.20	5:52	335	1063	766	649	0.44	1.18							1598	Metal Loss		
57372	CLUSTER	YES	175250.3		20.55	18.47	39.02	47860	Valve	5387.97	Valve	593.97	36	0.312	52	0.16	0.05	1.94	2.52	6:09	335	1060	763	649	0.44	1.17							1250	Unknown		
57376	CLUSTER	YES	175250.5		20.75	18.27	39.02	47860	Valve	5388.17	Valve	593.77	36	0.312	52	0.19	0.06	2.02	0.50	0.268056	335	1055	760	649	0.44	1.17							1250	Unknown		
57379	CLUSTER	YES	175250.6		20.83	18.19	39.02	47860	Valve	5388.25	Valve	593.69	36	0.312	52	0.16	0.05	4.82	1.70	0.245139	335	1020	734	649	0.46	1.14							1250	Unknown		
57383	CLUSTER	YES	175251.1		21.36	17.66	39.02	47860	Valve	5388.78	Valve	593.16	36	0.312	52	0.2	0.06	8.87	4.65	0.248611	335	964	694	649	0.48	1.09							1250	Unknown		
57394	CLUSTER	YES	175254.2		24.43	14.58	39.02	47860	Valve	5391.85	Valve	590.09	36	0.312	52	0.17	0.05	7.25	1.26	5:52	335	992	715	649	0.47	1.12							1250	Unknown		
57399	CLUSTER	YES	175255.5		25.7	13.32	39.02	47860	Valve	5393.12	Valve	588.82	36	0.312	52	0.17	0.05	1.28	1.38	6:30	335	1067	768	649	0.44	1.18							1250	Unknown		
57402	CLUSTER	YES	175263.1		33.29	5.73	39.02	47860	Valve	5400.71	Valve	581.23	36	0.312	52	0.16	0.05	2.40	0.60	0.244444	335	1053	758	649	0.44	1.17							1250	Unknown		
57404	GirthWeld		175268.8		39.02	39.81	39.81	47870	Valve	5406.44	Valve	575.5	36	0.312	52					0.061111	335			649									1250	Unknown		
57406	CLUSTER	YES	175283.9		15.07	24.74	39.81	47870	Valve	5421.51	Valve	560.43	36	0.312	52	0.19	0.06	4.34	1.13	0.24375	335	1016	732	649	0.46	1.14							1250	Unknown		
57409	GirthWeld		175308.6		39.81	38.33	38.33	47880	Valve	5446.25	Valve	535.69	36	0.312	52					11:18	335			649									1250	Unknown		
57411	CLUSTER	YES	175336.7		28.14	10.19	38.33	47880	Valve	5474.39	Valve	507.55	36	0.312	52	0.17	0.05	6.56	1.16	6:12	335	998	719	649	0.47	1.11							1250	Unknown		
57418	CLUSTER	YES	175337		28.44	9.89	38.33	47880	Valve	5474.69	Valve	507.25	36	0.312	52	0.16	0.05	5.45	1.10	0.242361	335	1014	730	649	0.46	1.13							1250	Unknown		
57422	CLUSTER	YES	175342.7		34.11	4.22	38.33	47880	Valve	5480.36	Valve	501.58	36	0.312	52	0.19	0.06	4.49	0.85	0.254861	335	1014	730	649	0.

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
57456	CLUSTER	YES	175410		20.91	18.87	39.77	47910	Valve	5547.61	Valve	434.33	36	0.312	52	0.2	0.06	18.97	1.32	5:56	335	930	669	649	0.50	1.06							1250	Unknown		
57468	CLUSTER	YES	175411.7		22.61	17.16	39.77	47910	Valve	5549.31	Valve	432.63	36	0.312	52	0.17	0.05	6.97	1.54	5:52	335	995	716	649	0.47	1.12							1250	Unknown		
57473	MELO-CORR	YES	175418.6		29.55	10.23	39.77	47910	Valve	5556.25	Valve	425.69	36	0.312	52	0.17	0.05	0.94	0.39	0.251389	335	1070	771	649	0.43	1.19							1598	Metal Loss		
57474	GirthWeld		175428.8		39.77	39.54	39.53	47920	Valve	5566.47	Valve	415.47	36	0.312	52					0.472222	335			649									1250	Unknown		
57475	MELO-CORR	YES	175430.8		1.99	37.55	39.53	47920	Valve	5568.46	Valve	413.48	36	0.312	52	0.19	0.06	1.18	0.16	0.271528	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57477	CLUSTER	YES	175432.6		3.77	35.77	39.53	47920	Valve	5570.24	Valve	411.7	36	0.312	52	0.21	0.07	22.88	2.29	5:54	335	917	660	649	0.51	1.07							1250	Unknown		
57485	MELO-CORR	YES	175433.6		4.81	34.73	39.53	47920	Valve	5571.28	Valve	410.66	36	0.312	52	0.16	0.05	1.18	0.24	6:26	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57491	CLUSTER	YES	175442.7		13.89	25.65	39.53	47920	Valve	5580.36	Valve	401.58	36	0.312	52	0.18	0.06	15.90	2.99	0.246528	335	950	684	649	0.49	1.08							1250	Unknown		
57501	MELO-CORR	YES	175444.9		16.1	23.43	39.53	47920	Valve	5582.57	Valve	399.37	36	0.312	52	0.15	0.05	1.22	0.43	0.247222	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57502	MELO-CORR	YES	175445.2		16.37	23.17	39.53	47920	Valve	5582.84	Valve	399.1	36	0.312	52	0.2	0.06	1.18	0.39	0.233333	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57503	MELO-CORR	YES	175446		17.19	22.35	39.53	47920	Valve	5583.66	Valve	398.28	36	0.312	52	0.15	0.05	1.22	0.16	5:35	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57505	CLUSTER	YES	175449		20.17	19.37	39.53	47920	Valve	5586.64	Valve	395.3	36	0.312	52	0.17	0.05	4.19	0.60	5:57	335	1025	738	649	0.45	1.15							1250	Unknown		
57508	CLUSTER	YES	175450.6		21.81	17.73	39.53	47920	Valve	5588.28	Valve	393.66	36	0.312	52	0.15	0.05	3.58	2.64	0.261111	335	1039	748	649	0.45	1.15							1250	Unknown		
57512	CLUSTER	YES	175451.4		22.59	16.95	39.53	47920	Valve	5589.06	Valve	392.88	36	0.312	52	0.17	0.05	6.13	0.47	0.260417	335	1002	721	649	0.46	1.11							1250	Unknown		
57516	CLUSTER	YES	175453.1		24.24	15.3	39.53	47920	Valve	5590.71	Valve	391.23	36	0.312	52	0.18	0.06	5.86	2.39	0.259028	335	1000	720	649	0.47	1.13							1250	Unknown		
57521	MELO-CORR	YES	175456.1		27.29	12.25	39.53	47920	Valve	5593.76	Valve	388.18	36	0.312	52	0.18	0.06	1.10	0.28	6:38	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57523	CLUSTER	YES	175456.4		27.55	11.99	39.53	47920	Valve	5594.02	Valve	387.92	36	0.312	52	0.2	0.06	12.24	7.16	6:04	335	946	681	649	0.49	1.08							1250	Unknown		
57536	CLUSTER	YES	175457.5		28.67	10.86	39.53	47920	Valve	5595.14	Valve	386.8	36	0.312	52	0.19	0.06	17.12	2.58	0.259722	335	940	677	649	0.49	1.08							1250	Unknown		
57539	CLUSTER	YES	175457.7		28.93	10.61	39.53	47920	Valve	5595.4	Valve	386.54	36	0.312	52	0.17	0.05	11.52	1.82	0.24375	335	969	698	649	0.48	1.09							1250	Unknown		
57557	CLUSTER	YES	175459		30.21	9.33	39.53	47920	Valve	5596.68	Valve	385.26	36	0.312	52	0.24	0.08	4.01	2.58	0.255556	335	1004	723	649	0.46	1.14							1250	Unknown		
57561	MELO-CORR	YES	175459.8		31.02	8.52	39.53	47920	Valve	5597.49	Valve	384.45	36	0.312	52	0.17	0.05	1.18	0.43	6:18	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57563	CLUSTER	YES	175460		31.21	8.32	39.53	47920	Valve	5597.68	Valve	384.26	36	0.312	52	0.24	0.08	24.22	9.18	5:32	335	892	642	649	0.52	1.03							1250	Unknown		
57573	MELO-CORR	YES	175460.7		31.84	7.7	39.53	47920	Valve	5598.31	Valve	383.63	36	0.312	52	0.18	0.06	1.14	0.51	0.211806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
57599	CLUSTER	YES	175462.1		33.33	6.2	39.53	47920	Valve	5599.8	Valve	382.14	36	0.312	52	0.3	0.09	9.85	3.24	0.259028	335	892	642	649	0.52	1.07							1250	Unknown		
57602	CLUSTER	YES	175462.2		33.43	6.11	39.53	47920	Valve	5599.9	Valve	382.04	36	0.312	52	0.18	0.06	3.79	2.48	0.232639	335	1028	740	649	0.45	1.15							1250	Unknown		
57610	CLUSTER	YES	175462.7		33.92	5.61	39.53	47920	Valve	5600.39	Valve	381.55	36	0.312	52	0.16	0.05	15.11	1.60	5:40	335	966	695	649	0.48	1.09							1250	Unknown		
57616	CLUSTER	YES	175463.1		34.25	5.29	39.53	47920	Valve	5600.72	Valve	381.22	36	0.312	52	0.21	0.07	1.79	0.79	6:21	335	1057	761	649	0.44	1.18							1250	Unknown		
57620	CLUSTER	YES	175463.4		34.54	4.99	39.53	47920	Valve	5601.01	Valve	380.93	36	0.312	52	0.15	0.05	8.17	2.89	0.261806	335	997	718	649	0.47	1.12							1250	Unknown		
57631	MELO-CORR	YES	175464.3		35.48	4.05	39.53	47920	Valve	5601.95	Valve	379.99	36	0.312	52	0.16	0.05	1.06	0.47	0.271528	335	1070	770	649	0.44	1.19							1598	Metal Loss		
57634	CLUSTER	YES	175464.5		35.72	3.82	39.53	47920	Valve	5602.19	Valve	379.75	36	0.312	52	0.16	0.05	4.52	2.14	0.258333	335	1024	737	649	0.45	1.14							1250	Unknown		
57635	MELO-CORR	YES	175464.6		35.74	3.79	39.53	47920	Valve	5602.21	Valve	379.73	36	0.312	52	0.2	0.06	1.30	0.47	5:36	335	1065	767	649	0.44	1.18							1598	Metal Loss		
57639	CLUSTER	YES	175464.9		36.1	3.44	39.53	47920	Valve	5602.57	Valve	379.37	36	0.312	52	0.15	0.05	10.07	0.88	5:33	335	987	711	649	0.47	1.10							1250	Unknown		
57644	CLUSTER	YES	175465.2		36.43	3.11	39.53	47920	Valve	5602.9	Valve	379.04	36	0.312	52	0.15	0.05	2.47	0.47	0.272917	335	1054	759	649	0.44	1.17							1250	Unknown		
57648	MELO-CORR	YES	175467.7		38.9	0.64	39.53	47920	Valve	5605.37	Valve	376.57	36	0.312	52	0.16	0.05	1.10	0.16	0.275694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
57649	MELO-CORR	YES	175468		39.23	0.3	39.53	47920	Valve	5605.7	Valve	376.24	36	0.312	52	0.19	0.06	1.22	0.16	0.275	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57650	GirthWeld		175468.4		39.54	24.42	24.42	47930	Valve	5606.01	Valve	375.93	36	0.312	52					1:06	335			649									1250	Unknown		
57652	CLUSTER	YES	175469.1		0.73	23.68	24.42	47930	Valve	5606.74	Valve	375.2	36	0.312	52	0.22	0.07	12.11	7.04	5:54	335	933	672	649	0.50	1.09							1250	Unknown		
57663	CLUSTER	YES	175470.1		1.78	22.63	24.42	47930	Valve	5607.79	Valve	374.15	36	0.312	52	0.2	0.06	5.69	4.68	0.232639	335	994	715	649	0.47	1.12							1250	Unknown		
57667	MELO-CORR	YES	175470.3		1.91	22.51	24.42	47930	Valve	5607.92	Valve	374.02	36	0.312	52	0.17	0.05	1.22	0.43	0.275	335	1068	769	649	0.44	1.18							1598	Metal Loss		
57673	CLUSTER	YES	175472.9		4.59	19.83	24.42	47930	Valve	5610.6	Valve	371.34	36	0.312	52	0.22	0.07	10.84	3.65	0.232639	335	939	676	649	0.50	1.09							1250	Unknown		
57675	CLUSTER	YES	175473		4.63	19.79	24.42	47930	Valve	5610.64	Valve	371.3	36	0.312	52	0.19	0.06	16.88	6.19	6:24	335	941	677	649	0.49	1.09							1250	Unknown		
57696	CLUSTER	YES	175473.9		5.56	18.85	24.42	47930	Valve	5611.57	Valve	370.37	36	0.312	52	0.15	0.05	4.75	2.96	7:19	335	1025	738	649	0.45	1.14							1250	Unknown		
57704	CLUSTER	YES	175474.4		6.09	18.33	24.42	47930	Valve	5612.1	Valve	369.84	36	0.312	52	0.18	0.06	5.75	2.83	0.229861	335	1002	721	649	0.46	1.12							1250	Unknown		
57706	CLUSTER	YES	175474.5		6.14	18.28	24.42	47930	Valve	5612.15	Valve	369.79	36	0.312	52	0.16	0.05	4.52	2.36	0.302083	335	1024	737	649	0.45	1.14							1250	Unknown		
57714	CLUSTER	YES	175475.1		6.7	17.72	24.42	47930	Valve	5612.71	Valve	369.23	36	0.312	52	0.23	0.07	8.35	1.48	0.284722	335	950	684	649	0.49	1.11							1250	Unknown		
57716	CLUSTER	YES	175475.1		6.74	17.68	24.42	47930	Valve	5612.75	Valve	369.19	36	0.312	52	0.15	0.05	8.18	1.20	5:47	335	997	718	649	0.47	1.11							1250	Unknown		
57718	CLUSTER	YES	175475.2		6.85	17.57	24.42	47930	Valve	5612.86	Valve	369.08	36	0.312	52	0.17	0.05	2.58	0.66	7:21	335	1049	755	649	0.44	1.17							1250	Unknown		
57727	CLUSTER	YES	175476.1		7.74	16.68	24.42	47930	Valve	5613.75	Valve	368.19	36	0.312	52	0.25	0.08	4.74	2.14	0.267361	335	987	710	649	0.47	1.13							1250	Unknown		
57730	MELO-CORR	YES	175476.6		8.23	16.19	24.42	47930	Valve	5614.24	Valve	367.7	36	0.312	52	0.15	0.05	1.06	0.16	0.242361	335	1070	770	649	0.43	1.19							1598	Metal Loss		
57731	MELO-CORR	YES	175477.4		9.08	15.33	24.42	47930	Valve	5615.09	Valve	366.85	36	0.312	52	0.2	0.06	0.87	0.39	0.272222	335	1070	771	649	0.43	1.19							1598	Metal Loss		
57733	CLUSTER	YES	175477.5		9.17	15.25	24.42	47930	Valve	5615.18	Valve	366.76	36	0.312	52	0.17	0.05	11.22	4.78	5:49	335	970	699	649	0.48	1.10							1250	Unknown		
57742	CLUSTER	YES	175479.7		11.33	13.08	24.42	47930	Valve	5617.34	Valve	364.6	36	0.312	52	0.19	0.06	13.08	4.62	6:02	335	950	684	649	0.49	1.09							1250	Unknown		
57750	CLUSTER	YES	175480.8		12.47	11.95	24.42	47930	Valve	5618.48	Valve	363.46	36	0.312	52	0.18	0.06	3.05	0.88	0.240278	335	1040	749	649	0.45	1.15							1250	Unknown		
57753	CLUSTER	YES	175481.2		12.83	11.59	24.42	47930	Valve	5618.84	Valve	363.1	36	0.312	52	0.17	0.05	10.33	1.07	0.2375	335	974	701	649	0.48	1.09							1250	Unknown		
57757	AS_Casing		175482.1		13.73	10.69	24.42	47930	Valve	5619.74	Valve	362.2	36	0.312	52						335			649									1590	Casing		
57759	CLUSTER	YES	175482.2		13.8	10.62	24.42	47930	Valve	5619.81	Valve	362.13	36	0.312	52	0.15	0.05	3.30	0.35	5:49	335	1043	751	649	0.45	1.16							1250	Unknown		
57762	CLUSTER	YES	175483.1		14.74	9.68	24.42	47930	Valve	5620.75	Valve	361.19	36	0.312	52	0.16	0.05	3.98	0.82	5:59	335	1031	742	649	0.45	1.15							1250	Unknown		
57765	CLUSTER	YES	175483.4		15.02	9.4	24.42	47930	Valve	5621.03	Valve	360.91	36	0.312	52	0.15	0.05	2.32	0.41	0.261111	335	1056	760	649	0.44	1.17							1250	Unknown		
57768	CLUSTER	YES	175485.4		17	7.42	24.42	47930	Valve	5623.01	Valve	358.93	36	0.312	52	0.17	0.05	2.08	1.07	0.251389	335	1056	761	649	0.44	1.17							1250	Unknown		
57772	CLUSTER	YES	175486.6		18.25	6.17	24.42	47930	Valve	5624.26	Valve	357.68	36	0.312	52	0.18	0.06	7.54	1.29	0.252083	335	985	709	649	0.47	1.12							1250	Unknown		
57777	CLUSTER	YES	175489.3		20.99	3.43	24.42	47930	Valve	5627	Valve	354.94	36	0.312	52	0.15	0.05	2.08	0.35	6:39	335	1059	762	649	0.44	1.17							1250	Unknown		
57779	GirthWeld		175492.8		24.42	39.84	39.84	47940	Valve	5630.43	Valve	351.51	36	0.312	52					11:03	335			649									1250	Unknown		
57781	CLUSTER	YES	175493.1		0.33	39.51	39.84	47940	Valve	5630.76	Valve	351.18	36	0.312	52	0.19	0.06	7.99	2.33	0.270833	335	976	703	649	0.48	1.11							1250	Unknown		
57786	MELO-CORR	YES	175509		16.27	23.57	39.84	47940	Valve	5646.7	Valve	335.24	36	0.312	52	0.19	0.06	1.22	0.20	0.298611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
57787	MELO-CORR	YES	175510.1		17.36	22.48	39.84	47940	Valve	5647.79	Valve	334.15	36	0.312	52	0.15	0.05	1.18	0.20	0.295139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
57789	CLUSTER	YES	175510.4		17.66	22.18	39.84	47940	Valve	5648.09	Valve	333.85	36	0.312	52	0.19	0.06	3.89	1.20	6:06	335	1023	736	649	0.45	1.15							1250	Unknown		
57793	CLUSTER	YES	175516.1		23.29	16.55	39.84	47940	Valve	5653.72	Valve	328.22	36	0.312	52	0.28	0.09	35.80	3.33	5:59	335	848	611	649	0.55	1.06							1250	Unknown		
57824	CLUSTER	YES	175519.3		26.55	13.29	39.84	47940	Valve	5656.98	Valve	324.96	36	0.312	52	0.18	0.06	13.51	4.59	0.243056	335	956	688	649	0.49	1.08							1250	Unknown		
57844	CLUSTER	YES	175520.7		27.95	11.89	39.84	47940	Valve	5658.38	Valve	323.56	36	0.312	52	0.17	0.05	26.32	5.18	0.239583	335	945	681	649	0.49	1.07							1250	Unknown		
57873	CLUSTER	YES	175523.1		30.3	9.54	39.84	47940	Valve	5660.73	Valve	321.21	36	0.312	52	0.18	0.06	3.16	0.38	0.243056	335	1038	747	649	0.45	1.16							1250	Unknown		
57876	CLUSTER	YES	175523.4		30.64	9.2	39.84	47940	Valve	5661.07	Valve	320.87	36	0.312	52	0.16	0.05	13.25	3.65	5:53	335	970	699	649	0.48	1.09							1250	Unknown		
57889	CLUSTER	YES	175524.6		31.86	7.98	39.84	47940	Valve	5662.29	Valve	319.65	36	0.312	52	0.18	0.06	7.87	1.86	6:07	335	982	707	649	0.47	1.11							1250	Unknown		
57898	CLUSTER	YES	175525.4		32.6	7.24	39.84	47940	Valve	5663.03	Valve	318.91	36	0.312	52	0.21	0.07	41.60	7.48	0.240972	335	902	650	649	0.52	1.05							1250	Unknown		
57947	CLUSTER	YES	175529.2		36.38	3.46	39.84	47940	Valve	5666.81	Valve	315.13	36	0.312	52	0.16	0.05	21.31	5.53	0.240278	335	957	689	649	0.49	1.08							1250	Unknown		
57966	CLUSTER	YES	175530.9		38.12	1.72	39.84	47940	Valve	5668.55	Valve	313.39	36	0.312	52	0.24	0.08	19.51	5.94	0.238889	335	898	647	649	0.52	1.06							1250	Unknown		
57987	GirthWeld		175532.6		39.84	39.3	39.3	47950	Valve	5670.27	Valve	311.67	36	0.312	52					1:23	335			649									1250	Unknown		
57988	MELO-CORR	YES	175533.4		0.8	38.49	39.3	47950	Valve	5671.07	Valve	310.87	36	0.312	52	0.17	0.05	1.14	0.20	5:47	335	1069	769	649	0.44	1.19							1598	Metal Loss		
57990	CLUSTER	YES	175535.1		2.52	36.78	39.3	47950	Valve	5672.79	Valve	309.15	36	0.312	52	0.17	0.05	5.68	3.11	0.25	335	1007	725	649	0.46	1.13							1250	Unknown		
57996	CLUSTER	YES	175535.6		2.97	36.32	39.3	47950	Valve	5673.24	Valve	308.7	36	0.312	52	0.23	0.07	17.72	4.87	0.243056	335	909	655	649	0.51	1.08							1250	Unknown		
58008	MELO-CORR	YES	175536.9		4.27	35.02	39.3	47950	Valve	5674.54	Valve	307.4	36	0.312	52	0.15	0.05	1.18	0.24	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
58011	CLUSTER	YES	175537.2		4.57	34.73	39.3	47950	Valve	5674.84	Valve	307.1	36	0.312	52	0.19	0.06	10.60	4.34	5:48	335	960	691	649	0.48	1.10							1250	Unknown		
58019	CLUSTER	YES	175538.1		5.53	33.76	39.3	47950	Valve	5675.8	Valve	306.14	36	0.312	52	0.18	0.06	12.37	2.42	6:03	335	959	691	649	0.48	1.09							1250	Unknown		
58033	CLUSTER	YES	175539.3		6.68	32.62	39.3	47950	Valve	5676.95	Valve	304.99	36	0.312	52	0.18	0.06	7.78	3.77	0.241667	335	983	708	649	0.47	1.12							1250	Unknown		
58038	MELO-CORR	YES	175540.9		8.29	31	39.3	47950	Valve	5678.56	Valve	303.38	36	0.312	52	0.15	0.05	1.10	0.35	0.253472	335	1070	770	649	0.43	1.19							1598	Metal Loss		
58040	CLUSTER	YES	175543.5		10.9	28.39	39.3	47950	Valve	5681.17	Valve	300.77	36	0.312	52	0.17	0.05	5.44	1.51	0.253472	335	1009	727	649	0.46	1.13							1250	Unknown		
58045	CLUSTER	YES	175544.1		11.49	27.8	39.3	47950	Valve	5681.76	Valve	300.18	36	0.312	52	0.17	0.05	17.74	5.00	5:45	335	954	687	649	0.49	1.09							1250	Unknown		
58058	CLUSTER	YES	175548		15.41	23.89	39.3	47950	Valve	5685.68	Valve	296.26	36	0.312	52	0.16	0.05	2.14	0.60	5:48	335	1057	761	649	0.44	1.17							1250	Unknown		
58060	MELO-CORR	YES	175549.2		16.59	22.7	39.3	47950	Valve	5686.86	Valve	295.08	36	0.312	52	0.18	0.06	1.10	0.39	0.248611	335	1068	769	649	0.44	1.19							1598	Metal Loss		
58062	CLUSTER	YES	175551.6		19.02	20.27	39.3	47950	Valve	5689.29	Valve	292.65	36	0.312	52	0.3	0.09	6.43	2.42	0.25	335	932	671	649	0.50	1.06							1250	Unknown		
58068	CLUSTER	YES	175552.7		20.11	19.19	39.3	47950	Valve	5690.38	Valve	291.56	36	0.312	52	0.38	0.12	13.57	4.40	0.241667	335	809	582	649	0.58	1.04							1250	Unknown		
58078	CLUSTER	YES	175554		21.42	17.88	39.3	47950	Valve	5691.69	Valve	290.25	36	0.312	52	0.17	0.05	4.42	1.89	5:54	335	1022	736	649	0.46	1.14							1250	Unknown		
58084	CLUSTER	YES	175555.1		22.44	16.86	39.3	47950	Valve	5692.71	Valve	289.23	36	0.312	52	0.21	0.07	4.45	4.71	5:46	335	1007	725	649	0.46	1.14							1250	Unknown		
58089	CLUSTER	YES	175555.6		22.96	16.34	39.3	47950	Valve	5693.23	Valve	288.71	36	0.312	52	0.26	0.08	2.40	3.08	0.246528	335	1036	746	649	0.45	1.16							1250	Unknown		
58094	CLUSTER	YES	175555.9		23.33	15.97	39.3	47950	Valve	5693.6	Valve	288.34	36	0.312	52	0.25	0.08	3.12	0.94	0.251389	335	1021	735	649	0.46	1.15							1250	Unknown		
58097	CLUSTER	YES	175556.8		24.16	15.13	39.3	47950	Valve	5694.43	Valve	287.51	36	0.312	52	0.16	0.05	8.65	4.53	0.241667	335	988	712	649	0.47	1.11							1250	Unknown		
58105	CLUSTER	YES	175557.9		25.24	14.06	39.3	47950	Valve	5695.51	Valve	286.43	36	0.312	52	0.15	0.05	4.15	5.41	5:43	335	1032	743	649	0.45	1.15							1250	Unknown		
58112	CLUSTER	YES	175558.8		26.21	13.08	39.3	47950	Valve	5696.48	Valve	285.46	36	0.312	52	0.19	0.06	6.74	1.04	6:09	335	987	710	649	0.47	1.12			

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR				NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
58260	CLUSTER	YES	175592.7		20.81	18.44	39.26	47960	Valve	5730.38	Valve	251.56	36	0.312	52	0.15	0.05	2.23	0.76	5:40	335	1057	761	649	0.44	1.17							1250	Unknown		
58265	CLUSTER	YES	175593		21.11	18.14	39.26	47960	Valve	5730.68	Valve	251.26	36	0.312	52	0.15	0.05	7.50	2.01	5:50	335	1001	721	649	0.46	1.11							1250	Unknown		
58270	CLUSTER	YES	175593.7		21.79	17.46	39.26	47960	Valve	5731.36	Valve	250.58	36	0.312	52	0.17	0.05	13.62	2.26	0.254167	335	962	693	649	0.48	1.09							1250	Unknown		
58279	CLUSTER	YES	175595.7		23.82	15.43	39.26	47960	Valve	5733.39	Valve	248.55	36	0.312	52	0.15	0.05	13.79	4.96	0.24375	335	976	703	649	0.48	1.09							1250	Unknown		
58295	MELO-CORR	YES	175597.6		25.72	13.54	39.26	47960	Valve	5735.29	Valve	246.65	36	0.312	52	0.17	0.05	1.22	0.24	0.25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
58297	CLUSTER	YES	175597.8		25.89	13.36	39.26	47960	Valve	5735.46	Valve	246.48	36	0.312	52	0.16	0.05	2.47	2.11	6:02	335	1052	757	649	0.44	1.17							1250	Unknown		
58301	CLUSTER	YES	175598.2		26.29	12.96	39.26	47960	Valve	5735.86	Valve	246.08	36	0.312	52	0.17	0.05	13.25	4.34	5:52	335	964	694	649	0.48	1.08							1250	Unknown		
58318	CLUSTER	YES	175599.4		27.5	11.75	39.26	47960	Valve	5737.07	Valve	244.87	36	0.312	52	0.15	0.05	3.06	2.04	0.252083	335	1046	753	649	0.44	1.16							1250	Unknown		
58323	CLUSTER	YES	175601.9		29.96	9.29	39.26	47960	Valve	5739.53	Valve	242.41	36	0.312	52	0.24	0.08	11.68	4.21	0.24375	335	921	663	649	0.50	1.09							1250	Unknown		
58338	CLUSTER	YES	175603.1		31.14	8.11	39.26	47960	Valve	5740.71	Valve	241.23	36	0.312	52	0.15	0.05	3.18	1.04	0.263194	335	1044	752	649	0.45	1.16							1250	Unknown		
58342	CLUSTER	YES	175605.1		33.17	6.09	39.26	47960	Valve	5742.74	Valve	239.2	36	0.312	52	0.19	0.06	6.38	4.71	5:50	335	990	713	649	0.47	1.12							1250	Unknown		
58350	MELO-CORR	YES	175605.8		33.89	5.36	39.26	47960	Valve	5743.46	Valve	238.48	36	0.312	52	0.15	0.05	1.14	0.16	5:52	335	1069	770	649	0.44	1.19							1598	Metal Loss		
58352	CLUSTER	YES	175606		34.06	5.19	39.26	47960	Valve	5743.63	Valve	238.31	36	0.312	52	0.17	0.05	4.22	2.20	0.254167	335	1025	738	649	0.45	1.14							1250	Unknown		
58358	CLUSTER	YES	175606.3		34.34	4.92	39.26	47960	Valve	5743.91	Valve	238.03	36	0.312	52	0.22	0.07	10.01	5.56	0.242361	335	944	680	649	0.49	1.09							1250	Unknown		
58372	CLUSTER	YES	175607.6		35.71	3.54	39.26	47960	Valve	5745.28	Valve	236.66	36	0.312	52	0.15	0.05	5.00	2.17	0.256944	335	1022	736	649	0.46	1.13							1250	Unknown		
58375	MELO-CORR	YES	175607.7		35.82	3.43	39.26	47960	Valve	5745.39	Valve	236.55	36	0.312	52	0.16	0.05	1.18	0.20	5:49	335	1069	769	649	0.44	1.19							1598	Metal Loss		
58378	CLUSTER	YES	175610.5		38.6	0.66	39.26	47960	Valve	5748.17	Valve	233.77	36	0.312	52	0.15	0.05	4.90	0.60	6:23	335	1023	737	649	0.45	1.13							1250	Unknown		
58380	GirthWeld		175611.2		39.25	39.21	39.2	47970	Valve	5748.82	Valve	233.12	36	0.312	52					0.063194	335			649									1250	Unknown		
58382	CLUSTER	YES	175612.2		1.07	38.14	39.2	47970	Valve	5749.89	Valve	232.05	36	0.312	52	0.16	0.05	10.01	2.26	0.253472	335	982	707	649	0.47	1.10							1250	Unknown		
58391	CLUSTER	YES	175613.5		2.29	36.92	39.2	47970	Valve	5751.11	Valve	230.83	36	0.312	52	0.23	0.07	10.67	2.01	0.25625	335	934	672	649	0.50	1.09							1250	Unknown		
58398	CLUSTER	YES	175614.7		3.53	35.68	39.2	47970	Valve	5752.35	Valve	229.59	36	0.312	52	0.17	0.05	17.06	4.53	5:50	335	955	688	649	0.49	1.08							1250	Unknown		
58413	CLUSTER	YES	175618.2		7	32.21	39.2	47970	Valve	5755.82	Valve	226.12	36	0.312	52	0.24	0.08	32.40	4.84	5:48	335	884	637	649	0.53	1.07							1250	Unknown		
58444	CLUSTER	YES	175621		9.79	29.41	39.2	47970	Valve	5758.61	Valve	223.33	36	0.312	52	0.16	0.05	12.67	2.96	0.242361	335	972	700	649	0.48	1.09							1250	Unknown		
58458	CLUSTER	YES	175622.2		11.04	28.17	39.2	47970	Valve	5759.86	Valve	222.08	36	0.312	52	0.22	0.07	19.26	3.43	0.241667	335	914	658	649	0.51	1.07							1250	Unknown		
58476	CLUSTER	YES	175624.1		12.91	26.29	39.2	47970	Valve	5761.73	Valve	220.21	36	0.312	52	0.24	0.08	22.96	1.98	0.246528	335	893	643	649	0.52	1.06							1250	Unknown		
58494	CLUSTER	YES	175626.5		15.33	23.88	39.2	47970	Valve	5764.15	Valve	217.79	36	0.312	52	0.26	0.08	3.94	0.76	6:01	335	999	719	649	0.47	1.13							1250	Unknown		
58497	CLUSTER	YES	175627		15.81	23.39	39.2	47970	Valve	5764.63	Valve	217.31	36	0.312	52	0.26	0.08	13.06	2.67	5:55	335	901	649	649	0.52	1.08							1250	Unknown		
58508	CLUSTER	YES	175628.2		17.06	22.14	39.2	47970	Valve	5765.88	Valve	216.06	36	0.312	52	0.23	0.07	11.48	1.70	0.247917	335	929	669	649	0.50	1.07							1250	Unknown		
58519	CLUSTER	YES	175629.4		18.22	20.99	39.2	47970	Valve	5767.04	Valve	214.9	36	0.312	52	0.35	0.11	16.91	3.83	0.243056	335	818	589	649	0.57	1.07							1250	Unknown		
58539	CLUSTER	YES	175631		19.82	19.39	39.2	47970	Valve	5768.64	Valve	213.3	36	0.312	52	0.3	0.09	25.08	3.49	0.246528	335	843	607	649	0.55	1.03							1250	Unknown		
58566	CLUSTER	YES	175633.2		22.03	17.17	39.2	47970	Valve	5770.85	Valve	211.09	36	0.312	52	0.34	0.11	4.98	1.32	5:57	335	941	678	649	0.49	1.11							1250	Unknown		
58571	CLUSTER	YES	175633.8		22.63	16.58	39.2	47970	Valve	5771.45	Valve	210.49	36	0.312	52	0.27	0.08	13.60	2.17	5:56	335	892	642	649	0.52	1.05							1250	Unknown		
58583	CLUSTER	YES	175635.1		23.98	15.22	39.2	47970	Valve	5772.8	Valve	209.14	36	0.312	52	0.37	0.12	44.46	4.37	0.243056	335	764	550	649	0.61	1.03							1250	Unknown		
58624	CLUSTER	YES	175639.7		28.57	10.64	39.2	47970	Valve	5777.39	Valve	204.55	36	0.312	52	0.16	0.05	14.12	1.64	0.247917	335	968	697	649	0.48	1.08							1250	Unknown		
58630	AS_Sleeve		175641.2		30.04	9.17	39.2	47970	Valve	5778.86	Valve	203.08	36	0.312	52						335			649									1789	Sleeve		
58631	AE_Sleeve		175647.1		35.95	3.26	39.2	47970	Valve	5784.77	Valve	197.17	36	0.312	52						335			649									1789	Sleeve		
58633	CLUSTER	YES	175647.3		36.17	3.04	39.2	47970	Valve	5784.99	Valve	196.95	36	0.312	52	0.18	0.06	12.19	3.83	5:52	335	960	691	649	0.48	1.08							1250	Unknown		
58645	CLUSTER	YES	175648.4		37.26	1.95	39.2	47970	Valve	5786.08	Valve	195.86	36	0.312	52	0.31	0.10	9.14	3.99	0.244444	335	892	642	649	0.52	1.08							1250	Unknown		
58654	CLUSTER	YES	175649.3		38.13	1.08	39.2	47970	Valve	5786.95	Valve	194.99	36	0.312	52	0.15	0.05	11.95	5.50	0.2375	335	981	706	649	0.47	1.09							1250	Unknown		
58666	GirthWeld		175650.4		39.21	39.74	39.74	47980	Valve	5788.03	Valve	193.91	36	0.312	52					0.488889	335			649									1250	Unknown		
58668	CLUSTER	YES	175650.5		0.08	39.66	39.74	47980	Valve	5788.11	Valve	193.83	36	0.312	52	0.33	0.10	16.44	4.12	5:50	335	836	602	649	0.56	1.06							1250	Unknown		
58683	CLUSTER	YES	175652		1.65	38.09	39.74	47980	Valve	5789.68	Valve	192.26	36	0.312	52	0.23	0.07	6.05	3.58	6:01	335	974	701	649	0.48	1.11							1250	Unknown		
58688	MELO-CORR	YES	175652.3		1.93	37.81	39.74	47980	Valve	5789.96	Valve	191.98	36	0.312	52	0.16	0.05	1.06	0.16	0.246528	335	1070	770	649	0.44	1.19							1598	Metal Loss		
58691	CLUSTER	YES	175652.6		2.23	37.51	39.74	47980	Valve	5790.26	Valve	191.68	36	0.312	52	0.17	0.05	4.24	1.04	0.244444	335	1024	737	649	0.45	1.13							1250	Unknown		
58695	CLUSTER	YES	175653.6		3.18	36.56	39.74	47980	Valve	5791.21	Valve	190.73	36	0.312	52	0.3	0.09	10.13	1.86	0.244444	335	890	641	649	0.52	1.03							1250	Unknown		
58702	MELO-CORR	YES	175657.7		7.33	32.4	39.74	47980	Valve	5795.36	Valve	186.58	36	0.312	52	0.27	0.08	1.14	0.67	6:02	335	1064	766	649	0.44	1.18							1598	Metal Loss		
58704	CLUSTER	YES	175659.8		9.39	30.35	39.74	47980	Valve	5797.42	Valve	184.52	36	0.312	52	0.15	0.05	2.69	0.76	6:01	335	1051	757	649	0.44	1.16							1250	Unknown		
58707	CLUSTER	YES	175660.7		10.29	29.45	39.74	47980	Valve	5798.32	Valve	183.63	36	0.312	52	0.17	0.05	16.57	3.05	0.243056	335	956	688	649	0.49	1.08							1250	Unknown		
58723	CLUSTER	YES	175662.2		11.8	27.94	39.74	47980	Valve	5799.83	Valve	182.11	36	0.312	52	0.16	0.05	2.20	2.17	0.244444	335	1056	760	649	0.44	1.17							1250	Unknown		
58726	CLUSTER	YES	175662.6		12.27	27.46	39.74	47980	Valve	5800.3	Valve	181.64	36	0.312	52	0.26	0.08	15.28	4.68	0.240972	335	893	643	649	0.52	1.08							1250	Unknown		
58741	CLUSTER	YES	175664.6		14.27	25.47	39.74	47980	Valve	5802.3	Valve	179.64	36	0.312	52	0.24	0.08	12.34	3.61	5:48	335	918	661	649	0.51	1.08							1250	Unknown		
58752	MELO-CORR	YES	175667.6		17.23	22.51	39.74	47980	Valve	5805.26	Valve	176.68	36	0.312	52	0.21	0.07	1.30	0.55	6:05	335	1064	766	649	0.44	1.18							1598	Metal Loss		
58754	CLUSTER	YES	175668		17.58	22.16	39.74	47980	Valve	5805.61	Valve	176.33	36	0.312	52	0.17	0.05	2.08	1.70	0.249306	335	1056	761	649	0.44	1.17							1250	Unknown		
58757	CLUSTER	YES	175668.2		17.86	21.88	39.74	47980	Valve	5805.89	Valve	176.05	36	0.312	52	0.21	0.07	13.21	3.02	0.242361	335	936	674	649	0.50	1.09							1250	Unknown		
58767	CLUSTER	YES	175673.3		22.91	16.83	39.74	47980	Valve	5810.94	Valve	171	36	0.312	52	0.2	0.06	7.22	1.92	0.249306	335	977	703	649	0.48	1.11							1250	Unknown		
58772	CLUSTER	YES	175674		23.67	16.07	39.74	47980	Valve	5811.7	Valve	170.24	36	0.312	52	0.15	0.05	8.69	3.52	5:54	335	994	716	649	0.47	1.11							1250	Unknown		
58779	CLUSTER	YES	175677.1		26.76	12.98	39.74	47980	Valve	5814.79	Valve	167.15	36	0.312	52	0.18	0.06	4.93	2.48	5:52	335	1012	728	649	0.46	1.14							1250	Unknown		
58784	CLUSTER	YES	175677.8		27.42	12.32	39.74	47980	Valve	5815.45	Valve	166.49	36	0.312	52	0.16	0.05	21.00	2.01	0.246528	335	957	689	649	0.49	1.08							1250	Unknown		
58796	CLUSTER	YES	175684.7		34.34	5.4	39.74	47980	Valve	5822.37	Valve	159.57	36	0.312	52	0.15	0.05	4.61	1.76	0.247222	335	1026	739	649	0.45	1.14							1250	Unknown		
58800	CLUSTER	YES	175686.9		36.52	3.22	39.74	47980	Valve	5824.55	Valve	157.39	36	0.312	52	0.17	0.05	12.10	1.20	0.250694	335	967	696	649	0.48	1.10							1250	Unknown		
58808	CLUSTER	YES	175688.3		37.91	1.83	39.74	47980	Valve	5825.94	Valve	156	36	0.312	52	0.15	0.05	3.74	1.07	6:01	335	1037	747	649	0.45	1.15							1250	Unknown		
58812	CLUSTER	YES	175689		38.59	1.15	39.74	47980	Valve	5826.62	Valve	155.32	36	0.312	52	0.3	0.09	12.07	3.74	5:53	335	877	631	649	0.53	1.05							1250	Unknown		
58822	GirthWeld		175690.1		39.74	39.27	39.27	47990	Valve	5827.77	Valve	154.17	36	0.312	52					0.059028	335			649									1250	Unknown		
58824	CLUSTER	YES	175690.5		0.43	38.83	39.27	47990	Valve	5828.2	Valve	153.74	36	0.312	52	0.24	0.08	30.76	3.61	0.247917	335	886	638	649	0.53	1.05							1250	Unknown		
58856	MELO-CORR	YES	175693.4		3.28	35.99	39.27	47990	Valve	5831.05	Valve	150.89	36	0.312	52	0.24	0.08	1.50	0.51	0.255556	335	1059	763	649	0.44	1.18							1598	Metal Loss		
58858	CLUSTER	YES	175693.7		3.56	35.71	39.27	47990	Valve	5831.33	Valve	150.61	36	0.312	52	0.27	0.08	19.33	3.90	5:53	335	875	630	649	0.53	1.07							1250	Unknown		
58877	CLUSTER	YES	175695.4		5.26	34.01	39.27	47990	Valve	5833.03	Valve	148.91	36	0.312	52	0.28	0.09	50.98	4.49	5:50	335	838	603	649	0.56	1.03							1250	Unknown		
58928	CLUSTER	YES	175699.8		9.65	29.62	39.27	47990	Valve	5837.42	Valve	144.52	36	0.312	52	0.38	0.12	26.92	4.21	0.244444	335	774	557	649	0.60	1.03							1250	Unknown		
58954	CLUSTER	YES	175702		11.93	27.34	39.27	47990	Valve	5839.7	Valve	142.24	36	0.312	52	0.25	0.08	46.75	3.87	0.245833	335	866	623	649	0.54	1.03							1250	Unknown		
58992	MELO-CORR	YES	175706		15.93	23.34	39.27	47990	Valve	5843.7	Valve	138.24	36	0.312	52	0.16	0.05	1.18	0.63	0.247222	335	1068	769	649	0.44	1.19							1598	Metal Loss		
58994	CLUSTER	YES	175706.3		16.15	23.12	39.27	47990	Valve	5843.92	Valve	138.02	36	0.312	52	0.35	0.11	7.49	2.58	5:52	335	886	638	649	0.53	1.09							1250	Unknown		
59001	CLUSTER	YES	175707.2		17.07	22.2	39.27	47990	Valve	5844.84	Valve	137.1	36	0.312	52	0.27	0.08	2.81	1.38	5:54	335	1024	738	649	0.45	1.15							1250	Unknown		
59004	CLUSTER	YES	175707.9		17.83	21.44	39.27	47990	Valve	5845.6	Valve	136.34	36	0.312	52	0.26	0.08	3.74	2.36	0.245139	335	1004	723	649	0.46	1.14							1250	Unknown		
59009	CLUSTER	YES	175708.4		18.24	21.03	39.27	47990	Valve	5846.01	Valve	135.93	36	0.312	52	0.27	0.08	9.61	1.82	0.247222	335	914	658	649	0.51	1.07							1250	Unknown		
59018	CLUSTER	YES	175709.3		19.2	20.07	39.27	47990	Valve	5846.97	Valve	134.97	36	0.312	52	0.28	0.09	12.53	3.74	0.245139	335	889	640	649	0.52	1.06							1250	Unknown		
59032	CLUSTER	YES	175710.5		20.4	18.87	39.27	47990	Valve	5848.17	Valve	133.77	36	0.312	52	0.28	0.09	3.73	0.97	5:55	335	997	718	649	0.47	1.13							1250	Unknown		
59035	CLUSTER	YES	175711		20.87	18.4	39.27	47990	Valve	5848.64	Valve	133.3	36	0.312	52	0.25	0.08	1.87	1.16	6:01	335	1050	756	649	0.44	1.17							1250	Unknown		
59037	MELO-CORR	YES	175711.3		21.14	18.13	39.27	47990	Valve	5848.91	Valve	133.03	36	0.312	52	0.23	0.07	1.22	0.67	0.247222	335	1065	766	649	0.44	1.18							1598	Metal Loss		
59039	CLUSTER	YES	175711.9		21.82	17.45	39.27	47990	Valve	5849.59	Valve	132.35	36	0.312	52	0.2	0.06	4.18	1.92	0.246528	335	1015	731	649	0.46	1.13							1250	Unknown		
59043	CLUSTER	YES	175715.7		25.59	13.68	39.27	47990	Valve	5853.36	Valve	128.58	36	0.312	52	0.18	0.06	15.41	3.05	0.247917	335	951	685	649	0.49	1.07							1250	Unknown		
59058	CLUSTER	YES	175717.8		27.73	11.54	39.27	47990	Valve	5855.5	Valve	126.44	36	0.312	52	0.25	0.08	42.24	3.83	5:54	335	868	625	649	0.54	1.06							1250	Unknown		
59090	CLUSTER	YES	175721.4		31.26	8.01	39.27	47990	Valve	5859.03	Valve	122.91	36	0.312	52	0.24	0.08	10.20	2.29	5:51	335	930	669	649	0.50	1.09							1250	Unknown		
59097	CLUSTER	YES	175722		31.86	7.41	39.27	47990	Valve	5859.63	Valve	122.31	36	0.312	52	0.25	0.08	29.21	4.02	0.244444	335	879	633	649	0.53	1.01							1250	Unknown		
59118	CLUSTER	YES	175724.5		34.38	4.89	39.27	47990	Valve	5862.14	Valve	119.8	36	0.312	52	0.19	0.06	5.47	0.79	0.251389	335	1000	720	649	0.47	1.12							1250	Unknown		
59121	CLUSTER	YES	175725.5		35.38	3.89	39.27	47990	Valve	5863.15	Valve	118.79	36	0.312	52	0.25	0.08	19.61	1.73	0.245139	335	890	641	649	0.52	1.05							1250	Unknown		
59133	CLUSTER	YES	175727.3		37.15	2.11	39.27	47990	Valve	5864.92	Valve	117.02	36	0.312	52	0.16	0.05	5.78	0.66	5:55	335	1010	727	649	0.46	1.12							1250	Unknown		
59137	CLUSTER	YES	175727.9		37.8	1.47	39.27	47990	Valve	5865.57	Valve	116.37	36	0.312	52	0.15	0.05	2.71	1.04	5:58	335	1050	756	649	0.44	1.16							1250	Unknown		
59139	GirthWeld		175729.4		39.27	39.15	39.15	48000	Valve	5867.04	Valve	114.9	36	0.312	52					0.465972	335			649									1250	Unknown		
59141	CLUSTER	YES	175731.6		2.25	36.9	39.15	48000	Valve	5869.29	Valve	112.65	36	0.312	52	0.16	0.05	11.46	1.32	0.250694	335	976	703	649	0.48	1.10							1250	Unknown		
59147	CLUSTER	YES	175733		3.65	35.49	39.15	48000	Valve	5870.7	Valve	111.24	36	0.312	52	0.16	0.05	4.09	0.76	0.249306	335	1029	741	649	0.45	1.15							1250	Unknown		
59150	CLUSTER	YES	175734.5		5.09	34.06	39.15	48000	Valve	5872.13	Valve	109.81	36	0.312	52	0.19	0.06	12.23	2.99	5:48	335	953	686	649	0.49	1.10							1250	Unknown		
59157	CLUSTER	YES	175736.4		6.98	32.17	39.15	48000	Valve	5874.02	Valve	107.92	36	0.312	52	0.15	0.05	8.95	1.29	5:58	335	993	715	649	0.47	1.11							1250	Unknown		
59162	CLUSTER	YES	175737.8		8.39	30.76	39.15	48000	Valve	5875.43	Valve	106.51	36	0.312	52	0.19	0.06	8.18	1.67	0.249306	335	974	702	649	0.48	1.10							1250	Unknown		
59167	CLUSTER	YES	175738.7		9.28	29.87	39.15	48000	Valve	5876.32	Valve	105.62	36	0.312	52	0.17	0.05	11.32	2.20	0.244444	335	970	698	649	0.48	1.09							1250	Unknown		
59175	CLUSTER	YES	175739.7		10.35	28.8	39.15	48000	Valve	5877.39	Valve	104.55	36	0.312	52	0.25	0.08	7.99	0.97	0.245833	335	941	678	649	0.49	1.07							1250	Unknown		
59180	MELO-CORR	YES	175740.6		11.25	27.9	39.15	48000	Valve	5878.29	Valve	103.65	36	0.312	52	0.22	0.07	1.14	0.20	6:02	335	1066	768	649	0.44	1.18							1598	Metal Loss		
59182	CLUSTER	YES	175741.2		11.83	27.32	39.15	48000	Valve	5878.87	Valve	103.07	36	0.312	52	0.16	0.05	4.44	0.60	5:55	335	1025	738	649	0.45	1.14							1250	Unknown		
59185	CLUSTER	YES	175741.8		12.39	26.76	39.15	48000	Valve	5879.43	Valve	102.51

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)		(psi)					(feet)					
59288	GirthWeld		175929.2		33.02	39.35	39.34	48070	Valve	84.93	Valve	20568.2	36	0.312	52					1:08	335			649								1250	Unknown		
59289	GirthWeld		175968.6		39.35	39.21	39.22	48080	Valve	124.28	Valve	20528.85	36	0.312	52					10:58	335			649								1250	Unknown		
59290	GirthWeld		176007.8		39.21	35.01	35.01	48090	Valve	163.49	Valve	20489.64	36	0.312	52					0.068056	335			649								1250	Unknown		
59291	GirthWeld		176042.8		35.01	38.79	38.79	48100	Valve	198.5	Valve	20454.63	36	0.312	52					0.4625	335			649								1250	Unknown		
59292	GirthWeld		176081.6		38.79	39.76	39.76	48110	Valve	237.29	Valve	20415.84	36	0.312	52					0.05	335			649								1250	Unknown		
59293	GirthWeld		176121.3		39.76	39.9	39.9	48120	Valve	277.05	Valve	20376.08	36	0.312	52					11:24	335			649								1250	Unknown		
59294	GirthWeld		176161.2		39.9	39.83	39.83	48130	Valve	316.95	Valve	20336.18	36	0.312	52					1:16	335			649								1250	Unknown		
59295	GirthWeld		176201.1		39.83	38.84	38.84	48140	Valve	356.78	Valve	20296.35	36	0.312	52					0.455556	335			649								1250	Unknown		
59296	GirthWeld		176239.9		38.84	39.65	39.65	48150	Valve	395.62	Valve	20257.51	36	0.312	52					0.052778	335			649								1250	Unknown		
59297	GirthWeld		176279.6		39.65	39.8	39.8	48160	Valve	435.27	Valve	20217.86	36	0.312	52					0.469444	335			649								1250	Unknown		
59298	GirthWeld		176319.4		39.8	39.8	39.8	48170	Valve	475.07	Valve	20178.06	36	0.312	52					2:20	335			649								1250	Unknown		
59300	CLUSTER	YES	176339.9		20.58	19.22	39.8	48170	Valve	495.65	Valve	20157.48	36	0.312	52	0.16	0.05	16.91	3.43	5:50	335	963	693	649	0.48	1.08							1250	Unknown		
59312	CLUSTER	YES	176343		23.67	16.13	39.8	48170	Valve	498.74	Valve	20154.39	36	0.312	52	0.17	0.05	11.42	2.64	0.246528	335	969	698	649	0.48	1.10							1250	Unknown		
59319	CLUSTER	YES	176347.2		27.84	11.96	39.8	48170	Valve	502.91	Valve	20150.22	36	0.312	52	0.18	0.06	13.07	2.08	0.245139	335	957	689	649	0.49	1.09							1250	Unknown		
59326	MELO-CORR	YES	176350		30.61	9.19	39.8	48170	Valve	505.68	Valve	20147.45	36	0.312	52	0.15	0.05	1.22	0.16	0.253472	335	1069	769	649	0.44	1.19							1598	Metal Loss		
59328	CLUSTER	YES	176351.6		32.25	7.55	39.8	48170	Valve	507.32	Valve	20145.81	36	0.312	52	0.15	0.05	4.50	2.11	5:56	335	1028	740	649	0.45	1.14							1250	Unknown		
59332	CLUSTER	YES	176352.2		32.88	6.93	39.8	48170	Valve	507.95	Valve	20145.18	36	0.312	52	0.21	0.07	16.13	3.02	5:50	335	928	668	649	0.50	1.08							1250	Unknown		
59343	CLUSTER	YES	176354.5		35.17	4.64	39.8	48170	Valve	510.24	Valve	20142.89	36	0.312	52	0.22	0.07	22.30	3.02	0.246528	335	910	655	649	0.51	1.07							1250	Unknown		
59355	GirthWeld		176359.2		39.8	39.92	39.92	48180	Valve	514.87	Valve	20138.26	36	0.312	52					0.407639	335			649								1250	Unknown		
59357	CLUSTER	YES	176360.4		1.2	38.72	39.92	48180	Valve	516.07	Valve	20137.06	36	0.312	52	0.17	0.05	14.68	1.51	0.252778	335	960	691	649	0.48	1.09							1250	Unknown		
59364	MELO-CORR	YES	176362.4		3.2	36.72	39.92	48180	Valve	518.07	Valve	20135.06	36	0.312	52	0.16	0.05	3.31	0.91	6:09	335	1040	749	649	0.45	1.15							1598	Metal Loss		
59366	CLUSTER	YES	176365.5		6.32	33.6	39.92	48180	Valve	521.19	Valve	20131.94	36	0.312	52	0.25	0.08	3.18	2.99	5:48	335	1019	734	649	0.46	1.15							1250	Unknown		
59369	CLUSTER	YES	176368.2		9.03	30.9	39.92	48180	Valve	523.9	Valve	20129.23	36	0.312	52	0.17	0.05	44.30	4.15	0.24375	335	935	673	649	0.50	1.07							1250	Unknown		
59400	CLUSTER	YES	176375.2		16.04	23.89	39.92	48180	Valve	530.91	Valve	20122.22	36	0.312	52	0.17	0.05	1.78	0.76	0.268056	335	1061	764	649	0.44	1.18							1250	Unknown		
59403	CLUSTER	YES	176376.3		17.18	22.74	39.92	48180	Valve	532.05	Valve	20121.08	36	0.312	52	0.15	0.05	28.97	3.14	0.243056	335	959	691	649	0.49	1.07							1250	Unknown		
59414	MELO-CORR	YES	176378.3		19.1	20.82	39.92	48180	Valve	533.97	Valve	20119.16	36	0.312	52	0.15	0.05	1.18	0.47	5:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
59417	CLUSTER	YES	176379.5		20.31	19.61	39.92	48180	Valve	535.18	Valve	20117.95	36	0.312	52	0.21	0.07	49.88	8.67	5:16	335	898	647	649	0.52	1.07							1250	Unknown		
59452	CLUSTER	YES	176383.7		24.59	15.33	39.92	48180	Valve	539.46	Valve	20113.67	36	0.312	52	0.17	0.05	4.75	0.79	0.28125	335	1017	732	649	0.46	1.14							1250	Unknown		
59455	CLUSTER	YES	176384.2		25.02	14.9	39.92	48180	Valve	539.89	Valve	20113.24	36	0.312	52	0.15	0.05	3.80	2.08	0.263194	335	1036	746	649	0.45	1.15							1250	Unknown		
59458	MELO-CORR	YES	176385.4		26.25	13.67	39.92	48180	Valve	541.12	Valve	20112.01	36	0.312	52	0.2	0.06	1.77	0.20	0.230556	335	1058	762	649	0.44	1.17							1598	Metal Loss		
59460	CLUSTER	YES	176385.7		26.5	13.43	39.92	48180	Valve	541.37	Valve	20111.76	36	0.312	52	0.29	0.09	3.58	2.23	6:02	335	998	718	649	0.47	1.14							1250	Unknown		
59463	CLUSTER	YES	176386		26.89	13.04	39.92	48180	Valve	541.76	Valve	20111.37	36	0.312	52	0.18	0.06	8.17	3.24	5:49	335	980	706	649	0.47	1.11							1250	Unknown		
59469	CLUSTER	YES	176386.4		27.25	12.68	39.92	48180	Valve	542.12	Valve	20111.01	36	0.312	52	0.18	0.06	2.62	1.20	0.215278	335	1047	754	649	0.44	1.16							1250	Unknown		
59474	CLUSTER	YES	176386.8		27.62	12.3	39.92	48180	Valve	542.49	Valve	20110.64	36	0.312	52	0.16	0.05	2.58	1.07	0.282639	335	1050	756	649	0.44	1.17							1250	Unknown		
59477	CLUSTER	YES	176387.2		28.05	11.88	39.92	48180	Valve	542.92	Valve	20110.21	36	0.312	52	0.24	0.08	19.97	4.46	0.272222	335	897	646	649	0.52	1.06							1250	Unknown		
59480	CLUSTER	YES	176387.3		28.17	11.75	39.92	48180	Valve	543.04	Valve	20110.09	36	0.312	52	0.19	0.06	15.96	3.39	5:07	335	943	679	649	0.49	1.08							1250	Unknown		
59509	CLUSTER	YES	176388.4		29.24	10.69	39.92	48180	Valve	544.11	Valve	20109.02	36	0.312	52	0.18	0.06	11.89	6.91	5:08	335	961	692	649	0.48	1.09							1250	Unknown		
59527	CLUSTER	YES	176389		29.87	10.06	39.92	48180	Valve	544.74	Valve	20108.39	36	0.312	52	0.32	0.10	25.93	2.42	0.284028	335	825	594	649	0.56	1.03							1250	Unknown		
59536	MELO-CORR	YES	176389.8		30.63	9.3	39.92	48180	Valve	545.49	Valve	20107.64	36	0.312	52	0.2	0.06	1.18	0.24	0.249306	335	1067	768	649	0.44	1.18							1598	Metal Loss		
59540	CLUSTER	YES	176389.9		30.73	9.19	39.92	48180	Valve	545.6	Valve	20107.53	36	0.312	52	0.18	0.06	12.54	4.87	0.213889	335	959	690	649	0.49	1.09							1250	Unknown		
59566	CLUSTER	YES	176391.3		32.16	7.76	39.92	48180	Valve	547.03	Valve	20106.1	36	0.312	52	0.16	0.05	10.69	3.90	6:33	335	979	705	649	0.48	1.10							1250	Unknown		
59568	CLUSTER	YES	176391.4		32.29	7.63	39.92	48180	Valve	547.16	Valve	20105.97	36	0.312	52	0.15	0.05	5.12	1.42	5:08	335	1021	735	649	0.46	1.14							1250	Unknown		
59575	MELO-CORR	YES	176392.1		32.98	6.95	39.92	48180	Valve	547.85	Valve	20105.28	36	0.312	52	0.18	0.06	1.18	0.20	0.2125	335	1068	769	649	0.44	1.18							1598	Metal Loss		
59577	CLUSTER	YES	176392.4		33.21	6.71	39.92	48180	Valve	548.08	Valve	20105.05	36	0.312	52	0.16	0.05	8.71	1.42	0.213889	335	988	712	649	0.47	1.11							1250	Unknown		
59584	CLUSTER	YES	176394.7		35.53	4.39	39.92	48180	Valve	550.4	Valve	20102.73	36	0.312	52	0.22	0.07	11.58	3.43	0.282639	335	936	674	649	0.50	1.05							1250	Unknown		
59591	CLUSTER	YES	176395.3		36.18	3.74	39.92	48180	Valve	551.05	Valve	20102.08	36	0.312	52	0.19	0.06	7.84	1.86	5:00	335	977	703	649	0.48	1.11							1250	Unknown		
59597	CLUSTER	YES	176396		36.86	3.07	39.92	48180	Valve	551.73	Valve	20101.4	36	0.312	52	0.18	0.06	18.79	6.50	6:34	335	945	680	649	0.49	1.08							1250	Unknown		
59601	CLUSTER	YES	176396.2		37	2.93	39.92	48180	Valve	551.87	Valve	20101.26	36	0.312	52	0.23	0.07	14.66	3.61	0.211806	335	917	660	649	0.51	1.06							1250	Unknown		
59632	CLUSTER	YES	176397.5		38.38	1.54	39.92	48180	Valve	553.25	Valve	20099.88	36	0.312	52	0.25	0.08	4.49	1.67	0.213889	335	991	714	649	0.47	1.13							1250	Unknown		
59636	CLUSTER	YES	176398.1		38.97	0.95	39.92	48180	Valve	553.84	Valve	20099.29	36	0.312	52	0.22	0.07	3.76	1.51	0.247917	335	1016	732	649	0.46	1.15							1250	Unknown		
59638	MELO-CORR	YES	176398.4		39.22	0.71	39.92	48180	Valve	554.09	Valve	20099.04	36	0.312	52	0.18	0.06	1.10	0.16	7:17	335	1068	769	649	0.44	1.19							1598	Metal Loss		
59640	CLUSTER	YES	176398.6		39.4	0.52	39.92	48180	Valve	554.27	Valve	20098.86	36	0.312	52	0.22	0.07	2.65	0.76	5:16	335	1039	748	649	0.45	1.16							1250	Unknown		
59642	CLUSTER	YES	176398.6		39.42	0.5	39.92	48180	Valve	554.29	Valve	20098.84	36	0.312	52	0.23	0.07	2.40	0.63	0.286806	335	1042	750	649	0.45	1.17							1250	Unknown		
59646	GirthWeld		176399.1		39.92	39.91	39.91	48190	Valve	554.79	Valve	20098.34	36	0.312	52					0.145139	335			649								1250	Unknown		
59648	CLUSTER	YES	176399.5		0.39	39.52	39.91	48190	Valve	555.18	Valve	20097.95	36	0.312	52	0.15	0.05	15.28	4.65	0.210417	335	973	700	649	0.48	1.09							1250	Unknown		
59656	CLUSTER	YES	176400		0.96	38.95	39.91	48190	Valve	555.75	Valve	20097.38	36	0.312	52	0.23	0.07	8.12	4.24	6:46	335	952	685	649	0.49	1.11							1250	Unknown		
59664	MELO-CORR	YES	176401		1.94	37.97	39.91	48190	Valve	556.73	Valve	20096.4	36	0.312	52	0.21	0.07	1.02	0.47	6:47	335	1068	769	649	0.44	1.19							1598	Metal Loss		
59665	MELO-CORR	YES	176401.3		2.24	37.67	39.91	48190	Valve	557.03	Valve	20096.1	36	0.312	52	0.24	0.08	1.22	0.59	0.216667	335	1064	766	649	0.44	1.18							1598	Metal Loss		
59667	CLUSTER	YES	176401.7		2.63	37.28	39.91	48190	Valve	557.42	Valve	20095.71	36	0.312	52	0.18	0.06	2.02	1.16	0.211111	335	1056	761	649	0.44	1.17							1250	Unknown		
59670	CLUSTER	YES	176403.2		4.08	35.83	39.91	48190	Valve	558.87	Valve	20094.26	36	0.312	52	0.17	0.05	1.21	1.57	0.218056	335	1068	769	649	0.44	1.18							1250	Unknown		
59672	GirthWeld		176439		39.91	39.8	39.8	48200	Valve	594.7	Valve	20058.43	36	0.312	52					9:57	335			649								1250	Unknown		
59674	CLUSTER	YES	176440.8		1.79	38.02	39.8	48200	Valve	596.49	Valve	20056.64	36	0.312	52	0.17	0.05	5.76	1.01	5:55	335	1006	724	649	0.46	1.13							1250	Unknown		
59679	CLUSTER	YES	176459.8		20.81	19	39.8	48200	Valve	615.51	Valve	20037.62	36	0.312	52	0.16	0.05	5.40	0.54	0.255556	335	1014	730	649	0.46	1.14							1250	Unknown		
59681	GirthWeld		176478.8		39.8	39.88	39.88	48210	Valve	634.5	Valve	20018.63	36	0.312	52					0.043056	335			649								1250	Unknown		
59682	GirthWeld		176518.7		39.88	39.81	39.81	48220	Valve	674.38	Valve	19978.75	36	0.312	52					0.477778	335			649								1250	Unknown		
59683	GirthWeld		176558.5		39.81	39.83	39.83	48230	Valve	714.19	Valve	19938.94	36	0.312	52					1:06	335			649								1250	Unknown		
59684	GirthWeld		176598.3		39.83	39.81	39.8	48240	Valve	754.02	Valve	19899.11	36	0.312	52					11:02	335			649								1250	Unknown		
59685	GirthWeld		176638.1		39.81	38.6	38.59	48250	Valve	793.83	Valve	19859.3	36	0.312	52					0.041667	335			649								1250	Unknown		
59686	GirthWeld		176676.7		38.59	39.82	39.82	48260	Valve	832.42	Valve	19820.71	36	0.312	52					0.452778	335			649								1250	Unknown		
59688	CLUSTER	YES	176700.3		23.63	16.19	39.82	48260	Valve	856.05	Valve	19797.08	36	0.312	52	0.18	0.06	4.08	0.97	0.254861	335	1023	737	649	0.45	1.14							1250	Unknown		
59692	CLUSTER	YES	176703.9		27.23	12.59	39.82	48260	Valve	859.65	Valve	19793.48	36	0.312	52	0.19	0.06	5.86	1.01	5:57	335	996	717	649	0.47	1.11							1250	Unknown		
59696	CLUSTER	YES	176710		33.33	6.49	39.82	48260	Valve	865.75	Valve	19787.38	36	0.312	52	0.33	0.10	18.65	2.23	5:52	335	829	597	649	0.56	1.04							1250	Unknown		
59705	CLUSTER	YES	176715.7		38.99	0.83	39.82	48260	Valve	871.41	Valve	19781.72	36	0.312	52	0.15	0.05	1.96	3.30	0.275694	335	1060	763	649	0.44	1.18							1250	Unknown		
59709	GirthWeld		176716.5		39.82	39.85	39.85	48270	Valve	872.24	Valve	19780.89	36	0.312	52					0.065278	335			649								1250	Unknown		
59711	CLUSTER	YES	176723.8		7.31	32.54	39.85	48270	Valve	879.55	Valve	19773.58	36	0.312	52	0.19	0.06	1.80	2.80	0.248611	335	1058	762	649	0.44	1.18							1250	Unknown		
59713	MELO-CORR	YES	176724.9		8.41	31.44	39.85	48270	Valve	880.65	Valve	19772.48	36	0.312	52	0.16	0.05	2.95	0.55	5:58	335	1045	753	649	0.45	1.16							1598	Metal Loss		
59714	MELO-CORR	YES	176730.3		13.77	26.08	39.85	48270	Valve	886.01	Valve	19767.12	36	0.312	52	0.15	0.05	4.05	0.16	5:52	335	1033	744	649	0.45	1.15							1598	Metal Loss		
59716	CLUSTER	YES	176746.4		29.89	9.96	39.85	48270	Valve	902.13	Valve	19751	36	0.312	52	0.2	0.06	8.76	1.79	0.247917	335	964	694	649	0.48	1.09							1250	Unknown		
59721	MELO-CORR	YES	176747.8		31.24	8.61	39.85	48270	Valve	903.48	Valve	19749.65	36	0.312	52	0.17	0.05	1.69	0.35	0.253472	335	1062	765	649	0.44	1.18							1598	Metal Loss		
59722	MELO-CORR	YES	176753.8		37.29	2.56	39.85	48270	Valve	909.53	Valve	19743.6	36	0.312	52	0.18	0.06	1.10	0.47	0.245833	335	1068	769	649	0.44	1.19							1598	Metal Loss		
59723	MELO-CORR	YES	176753.9		37.33	2.52	39.85	48270	Valve	909.57	Valve	19743.56	36	0.312	52	0.24	0.08	1.14	0.24	6:25	335	1065	767	649	0.44	1.18							1598	Metal Loss		
59724	MELO-CORR	YES	176754		37.48	2.38	39.85	48270	Valve	909.71	Valve	19743.42	36	0.312	52	0.15	0.05	1.14	0.20	5:53	335	1069	770	649	0.44	1.19							1598	Metal Loss		
59725	MELO-CORR	YES	176755		38.5	1.35	39.85	48270	Valve	910.74	Valve	19742.39	36	0.312	52	0.17	0.05	1.06	0.43	0.236111	335	1069	770	649	0.44	1.19							1598	Metal Loss		
59727	CLUSTER	YES	176755.7		39.18	0.67	39.85	48270	Valve	911.42	Valve	19741.71	36	0.312	52	0.19	0.06	5.46	0.82	0.242361	335	1000	720	649	0.47	1.12							1250	Unknown		
59730	GirthWeld		176756.4		39.85	39.83	39.83	48280	Valve	912.09	Valve	19741.04	36	0.312	52					0.468056	335			649								1250	Unknown		
59732	CLUSTER	YES	176761		4.65	35.17	39.83	48280	Valve	916.74	Valve	19736.39	36	0.312	52	0.16	0.05	8.51	3.55	5:48	335	989	712	649	0.47	1.11							1250	Unknown		
59740	CLUSTER	YES	176768.6		12.26	27.57	39.83	48280	Valve	924.35	Valve	19728.78	36	0.312	52	0.15	0.05	1.22	0.82	6:10	335	1069	769	649	0.44	1.19							1250	Unknown		
59742	GirthWeld		176796.2		39.83	39.82	39.83	48290	Valve	951.92	Valve	19701.21	36	0.312	52					0.066667	335			649								1250	Unknown		
59744	CLUSTER	YES	176800.3		4.11	35.72	39.83	48290	Valve	956.03	Valve	19697.1	36	0.312	52	0.18	0.06	1.26	1.07	0.245139	335	1067	768	649	0.44	1.18							1250	Unknown		
59747	CLUSTER	YES	176801.1		4.91	34.91	39.83	48290	Valve	956.83	Valve	19696.3	36	0.312	52	0.16	0.05	6.04	1.48	0.247222	335	1008	726	649	0.46	1.12							1250	Unknown		
59752	CLUSTER	YES	176802.2		6.02	33.81	39.83	48290	Valve	957.94	Valve	19695.19	36	0.312	52	0.23	0.07	1.38	0.60	5:54	335	1062	765	649	0.44	1.18							1250	Unknown		
59754	MELO-CORR	YES	176802.6		6.36	33.47	39.83	48290	Valve	958.28	Valve	19694.85	36	0.312	52	0.15	0.05	1.10	0.16	5:55	335	1070	770	649	0.43	1.19							1598	Metal Loss		
59756	CLUSTER	YES	176803.4		7.18	32.65	39.83	48290	Valve	959.1	Valve	19694.03	36	0.312	52	0.29	0.09	4.82	1.76	0.238194	335	967	696	649	0.48	1.12							1250	Unknown		
59761	CLUSTER	YES	176804		7.77	32.06	39.83	48290	Valve	959.69	Valve	19693.44	36	0.312	52	0.15	0.05	5.41	0.79	0.238194	335	1018	733	649	0.46	1.13							1250	Unknown		
59764	MELO-CORR	YES	176804.5		8.32	31.5	39.83	48290	Valve	960.24	Valve	19692.89	36	0.312	52	0.15	0.05	1.18	0.43	0.265278	335	1069	770	649	0.44	1.19							1598	Metal Loss		
59766	CLUSTER	YES	176804.6		8.38	31.44	39.83	48290	Valve	960.3	Valve	19692.83	36	0.312	52	0.28	0.09	20.71	2.99	5:40	335	865	623	649	0.54	1.07							1250	Unknown		
59771	CLUSTER	YES	176805.2		9	30.82	39.83	48290	Valve	960.92	Valve	19692.21	36	0.312	52	0.22	0.07	3.53	1.23	6:23	335	1020	735	649	0.46	1.15							1250	Unknown		
59784	CLUSTER	YES	176806.1		9.93	29.9	39.83	48290	Valve	961.85	Valve	19691.28	36	0.312	52	0.21	0.07	6.70	0.82	0.266667	335	977	703	649	0.48	1.11							1250	Unknown		
59789	MELO-CORR	YES	176806.8		10.6	29.23	39.83	48290	Valve	962.52	Valve	19690.61	36	0.312	52	0.29	0.09	1.34	0.20	0.240972	335	1059	762	649	0.44	1.18							1598	Metal Loss		
59791	CLUSTER	YES	176807.1		10.87	28.96	39.83	48290	Valve	962.79	Valve	19690.34	36	0.312	52	0.38	0.12	32.92	8.29	0.236111	335	766	552	649	0.61	1.01							1250	Unknown		
59800	MELO-CORR	YES	176807.6		11.43	28.39	39.83	48290	Valve	963.35	Valve	19689.78	36	0.312	52	0.17	0.05	1.22	0.20	6:26	335	1068	769	649	0.44	1.18							1598	Metal Loss		
59822	CLUSTER	YES	176808.6		12.43	27.39	39.83	48290	Valve	964.35	Valve	19688

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
59904	CLUSTER	YES	176846.3		10.31	29.54	39.85	48300	Valve	1002.05	Valve	19651.08	36	0.312	52	0.25	0.08	3.73	1.98	6:10	335	1007	725	649	0.46	1.15							1250	Unknown		
59908	CLUSTER	YES	176853.1		17.08	22.77	39.85	48300	Valve	1008.82	Valve	19644.31	36	0.312	52	0.15	0.05	5.56	1.64	5:56	335	1017	732	649	0.46	1.13							1250	Unknown		
59912	CLUSTER	YES	176853.9		17.85	22.01	39.85	48300	Valve	1009.59	Valve	19643.54	36	0.312	52	0.15	0.05	7.66	1.76	0.245833	335	1000	720	649	0.47	1.11							1250	Unknown		
59917	MELO-CORR	YES	176854.7		18.67	21.19	39.85	48300	Valve	1010.4	Valve	19642.73	36	0.312	52	0.18	0.06	1.10	0.16	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
59919	CLUSTER	YES	176859.9		23.85	16.01	39.85	48300	Valve	1015.59	Valve	19637.54	36	0.312	52	0.22	0.07	6.71	1.29	0.248611	335	972	700	649	0.48	1.10							1250	Unknown		
59923	CLUSTER	YES	176860.6		24.62	15.24	39.85	48300	Valve	1016.36	Valve	19636.77	36	0.312	52	0.38	0.12	14.88	1.70	5:56	335	802	578	649	0.58	0.94							1250	Unknown		
59929	MELO-CORR	YES	176862		25.98	13.88	39.85	48300	Valve	1017.72	Valve	19635.41	36	0.312	52	0.26	0.08	3.98	0.55	6:02	335	998	719	649	0.47	1.11							1598	Metal Loss		
59931	CLUSTER	YES	176864.2		28.16	11.7	39.85	48300	Valve	1019.9	Valve	19633.23	36	0.312	52	0.15	0.05	2.46	1.07	0.248611	335	1054	759	649	0.44	1.17							1250	Unknown		
59934	CLUSTER	YES	176867.6		31.58	8.28	39.85	48300	Valve	1023.32	Valve	19629.81	36	0.312	52	0.22	0.07	4.01	0.79	0.25	335	1011	728	649	0.46	1.13							1250	Unknown		
59938	CLUSTER	YES	176868.8		32.77	7.09	39.85	48300	Valve	1024.51	Valve	19628.62	36	0.312	52	0.23	0.07	7.52	1.76	0.249306	335	957	689	649	0.49	1.11							1250	Unknown		
59941	GirthWeld		176875.9		39.86	39.1	39.11	48310	Valve	1031.6	Valve	19621.53	36	0.312	52					1:42	335			649									1250	Unknown		
59943	CLUSTER	YES	176878.3		2.43	36.68	39.11	48310	Valve	1034.03	Valve	19619.1	36	0.312	52	0.16	0.05	1.97	1.32	5:52	335	1059	763	649	0.44	1.18							1250	Unknown		
59946	CLUSTER	YES	176892.4		16.53	22.58	39.11	48310	Valve	1048.13	Valve	19605	36	0.312	52	0.16	0.05	9.20	1.76	0.247222	335	985	710	649	0.47	1.10							1250	Unknown		
59952	CLUSTER	YES	176902.7		26.81	12.3	39.11	48310	Valve	1058.41	Valve	19594.72	36	0.312	52	0.21	0.07	10.78	3.30	0.249306	335	946	681	649	0.49	1.07							1250	Unknown		
59962	MELO-CORR	YES	176910.9		34.97	4.13	39.11	48310	Valve	1066.57	Valve	19586.56	36	0.312	52	0.15	0.05	2.36	0.43	0.235417	335	1055	760	649	0.44	1.17							1598	Metal Loss		
59963	MELO-CORR	YES	176911.3		35.46	3.65	39.11	48310	Valve	1067.06	Valve	19586.07	36	0.312	52	0.18	0.06	1.10	0.16	6:25	335	1069	769	649	0.44	1.19							1598	Metal Loss		
59965	CLUSTER	YES	176911.5		35.65	3.46	39.11	48310	Valve	1067.25	Valve	19585.88	36	0.312	52	0.15	0.05	2.08	0.38	5:53	335	1059	762	649	0.44	1.17							1250	Unknown		
59967	CLUSTER	YES	176911.6		35.7	3.4	39.11	48310	Valve	1067.3	Valve	19585.83	36	0.312	52	0.18	0.06	1.58	0.88	0.259028	335	1063	765	649	0.44	1.18							1250	Unknown		
59970	GirthWeld		176915		39.1	39.35	39.34	48320	Valve	1070.7	Valve	19582.43	36	0.312	52					0.456944	335			649									1250	Unknown		
59971	GirthWeld		176954.3		39.35	39.24	39.24	48330	Valve	1110.05	Valve	19543.08	36	0.312	52					0.043056	335			649									1250	Unknown		
59972	GirthWeld		176993.6		39.24	39.42	39.42	48340	Valve	1149.29	Valve	19503.85	36	0.312	52					10:51	335			649									1250	Unknown		
59973	GirthWeld		177033		39.42	39.83	39.83	48350	Valve	1188.71	Valve	19464.42	36	0.312	52					1:14	335			649									1250	Unknown		
59974	MIFE	n/a	177033.8		0.77	39.06	39.83	48350	Valve	1189.48	Valve	19463.65	36	0.312	52					0.053472	335			649								near seam weld	2167	Mill Anomaly		
59975	GirthWeld		177072.8		39.83	39.87	39.86	48360	Valve	1228.54	Valve	19424.59	36	0.312	52					0.466667	335			649									1250	Unknown		
59976	GirthWeld		177112.7		39.86	39.8	39.8	48370	Valve	1268.4	Valve	19384.73	36	0.312	52					0.05	335			649									1250	Unknown		
59977	GirthWeld		177152.5		39.8	39.81	39.81	48380	Valve	1308.21	Valve	19344.92	36	0.312	52					10:52	335			649									1250	Unknown		
59978	GirthWeld		177192.3		39.81	28.31	28.32	48390	Valve	1348.02	Valve	19305.11	36	0.312	52					1:50	335			649									1250	Unknown		
59979	GirthWeld		177220.6		28.31	39.23	39.23	48400	Valve	1376.33	Valve	19276.8	36	0.312	52					0.408333	335			649									1250	Unknown		
59980	GirthWeld		177259.8		39.23	40.08	40.08	48410	Valve	1415.56	Valve	19237.57	36	0.312	52					0.101389	335			649									1250	Unknown		
59982	CLUSTER	YES	177288.3		28.41	11.68	40.08	48410	Valve	1443.97	Valve	19209.16	36	0.312	52	0.15	0.05	4.15	2.89	0.240278	335	1032	743	649	0.45	1.15							1250	Unknown		
59986	CLUSTER	YES	177290.7		30.86	9.22	40.08	48410	Valve	1446.42	Valve	19206.71	36	0.312	52	0.17	0.05	9.46	2.26	6:00	335	978	704	649	0.48	1.10							1250	Unknown		
59993	CLUSTER	YES	177291.7		31.81	8.28	40.08	48410	Valve	1447.37	Valve	19205.76	36	0.312	52	0.15	0.05	5.58	2.67	5:58	335	1016	732	649	0.46	1.13							1250	Unknown		
59999	CLUSTER	YES	177294.8		34.95	5.14	40.08	48410	Valve	1450.51	Valve	19202.62	36	0.312	52	0.28	0.09	4.90	1.60	0.266667	335	971	699	649	0.48	1.13							1250	Unknown		
60003	GirthWeld		177299.9		40.08	36.04	36.03	48420	Valve	1455.64	Valve	19197.49	36	0.312	52					0.484028	335			649									1250	Unknown		
60005	CLUSTER	YES	177300.2		0.3	35.74	36.03	48420	Valve	1455.94	Valve	19197.19	36	0.312	52	0.18	0.06	6.82	1.48	0.278472	335	991	713	649	0.47	1.11							1250	Unknown		
60011	CLUSTER	YES	177302.7		2.74	33.3	36.03	48420	Valve	1458.38	Valve	19194.75	36	0.312	52	0.15	0.05	8.27	1.60	6:40	335	996	717	649	0.47	1.11							1250	Unknown		
60019	CLUSTER	YES	177308.3		8.39	27.64	36.03	48420	Valve	1464.03	Valve	19189.1	36	0.312	52	0.15	0.05	3.08	0.88	5:18	335	1046	753	649	0.44	1.16							1250	Unknown		
60021	MELO-CORR	YES	177319.4		19.49	16.54	36.03	48420	Valve	1475.13	Valve	19178	36	0.312	52	0.15	0.05	1.14	0.24	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60023	CLUSTER	YES	177321.8		21.88	14.16	36.03	48420	Valve	1477.52	Valve	19175.61	36	0.312	52	0.17	0.05	8.53	2.01	0.248611	335	983	708	649	0.47	1.11							1250	Unknown		
60027	GirthWeld		177336		36.04	39.92	39.93	48430	Valve	1491.68	Valve	19161.45	36	0.312	52					0.064583	335			649									1250	Unknown		
60029	CLUSTER	YES	177339.2		3.21	36.71	39.93	48430	Valve	1494.89	Valve	19158.24	36	0.312	52	0.17	0.05	4.45	1.98	5:10	335	1021	735	649	0.46	1.14							1250	Unknown		
60032	CLUSTER	YES	177342.2		6.19	33.74	39.93	48430	Valve	1497.87	Valve	19155.26	36	0.312	52	0.15	0.05	4.07	1.29	5:58	335	1033	744	649	0.45	1.15							1250	Unknown		
60036	CLUSTER	YES	177347.4		11.42	28.51	39.93	48430	Valve	1503.1	Valve	19150.04	36	0.312	52	0.2	0.06	10.07	1.89	0.246528	335	956	689	649	0.49	1.09							1250	Unknown		
60041	CLUSTER	YES	177349.7		13.7	26.23	39.93	48430	Valve	1505.38	Valve	19147.76	36	0.312	52	0.21	0.07	21.62	1.64	0.246528	335	918	661	649	0.51	1.08							1250	Unknown		
60052	CLUSTER	YES	177351.6		15.64	24.28	39.93	48430	Valve	1507.32	Valve	19145.81	36	0.312	52	0.15	0.05	5.05	1.54	0.247917	335	1022	736	649	0.46	1.14							1250	Unknown		
60055	MELO-CORR	YES	177354.8		18.81	21.12	39.93	48430	Valve	1510.49	Valve	19142.64	36	0.312	52	0.16	0.05	1.14	0.32	5:55	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60056	MELO-CORR	YES	177356.3		20.29	19.63	39.93	48430	Valve	1511.97	Valve	19141.16	36	0.312	52	0.27	0.08	1.02	0.20	5:54	335	1066	767	649	0.44	1.18							1598	Metal Loss		
60058	CLUSTER	YES	177366.4		30.41	9.51	39.93	48430	Valve	1522.09	Valve	19131.04	36	0.312	52	0.18	0.06	5.63	2.86	0.240278	335	1003	722	649	0.46	1.13							1250	Unknown		
60063	CLUSTER	YES	177372.3		36.38	3.54	39.93	48430	Valve	1528.06	Valve	19125.07	36	0.312	52	0.21	0.07	1.58	0.72	0.248611	335	1060	763	649	0.44	1.18							1250	Unknown		
60065	GirthWeld		177375.9		39.92	39.85	39.85	48440	Valve	1531.6	Valve	19121.53	36	0.312	52					0.463889	335			649									1250	Unknown		
60067	CLUSTER	YES	177390.4		14.47	25.38	39.85	48440	Valve	1546.07	Valve	19107.06	36	0.312	52	0.16	0.05	5.89	1.70	5:55	335	1009	726	649	0.46	1.13							1250	Unknown		
60071	GirthWeld		177415.7		39.85	39.93	39.92	48450	Valve	1571.45	Valve	19081.68	36	0.312	52					1:34	335			649									1250	Unknown		
60073	CLUSTER	YES	177417.5		1.76	38.16	39.92	48450	Valve	1573.21	Valve	19079.92	36	0.312	52	0.17	0.05	7.44	1.01	0.25	335	991	713	649	0.47	1.11							1250	Unknown		
60076	MELO-CORR	YES	177429.1		13.32	26.61	39.92	48450	Valve	1584.77	Valve	19068.36	36	0.312	52	0.19	0.06	1.18	0.16	0.247222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60078	CLUSTER	YES	177441.5		25.79	14.14	39.92	48450	Valve	1597.24	Valve	19055.89	36	0.312	52	0.19	0.06	7.31	1.64	0.246528	335	981	706	649	0.47	1.12							1250	Unknown		
60082	CLUSTER	YES	177442.8		27.02	12.9	39.92	48450	Valve	1598.47	Valve	19054.66	36	0.312	52	0.16	0.05	9.66	0.82	6:03	335	983	708	649	0.47	1.11							1250	Unknown		
60089	GirthWeld		177455.7		39.92	39.9	39.9	48460	Valve	1611.38	Valve	19041.76	36	0.312	52					9:54	335			649									1250	Unknown		
60090	MELO-CORR	YES	177462.2		6.57	33.33	39.9	48460	Valve	1617.95	Valve	19035.18	36	0.312	52	0.15	0.05	1.10	0.32	0.254861	335	1070	770	649	0.43	1.19							1598	Metal Loss		
60092	CLUSTER	YES	177462.9		7.25	32.65	39.9	48460	Valve	1618.63	Valve	19034.5	36	0.312	52	0.19	0.06	3.94	0.69	0.253472	335	1022	736	649	0.46	1.15							1250	Unknown		
60095	GirthWeld		177495.6		39.9	39.75	39.75	48470	Valve	1651.28	Valve	19001.85	36	0.312	52					0.108333	335			649									1250	Unknown		
60096	GirthWeld		177535.3		39.75	39.81	39.81	48480	Valve	1691.03	Valve	18962.1	36	0.312	52					11:14	335			649									1250	Unknown		
60097	GirthWeld		177575.1		39.81	39.86	39.85	48490	Valve	1730.84	Valve	18922.29	36	0.312	52					1:14	335			649									1250	Unknown		
60098	GirthWeld		177615		39.86	36.92	36.91	48500	Valve	1770.7	Valve	18882.43	36	0.312	52					0.4625	335			649									1250	Unknown		
60099	GirthWeld		177651.9		36.9	39.82	39.83	48510	Valve	1807.61	Valve	18845.52	36	0.312	52					0.045833	335			649									1250	Unknown		
60100	GirthWeld		177691.7		39.82	38.3	38.3	48520	Valve	1847.43	Valve	18805.7	36	0.312	52					0.444444	335			649									1250	Unknown		
60101	GirthWeld		177730		38.3	39.82	39.82	48530	Valve	1885.73	Valve	18767.4	36	0.312	52					1:16	335			649									1250	Unknown		
60102	GirthWeld		177769.8		39.82	39.82	39.82	48540	Valve	1925.55	Valve	18727.58	36	0.312	52					11:06	335			649									1250	Unknown		
60104	CLUSTER	YES	177798.5		28.69	11.13	39.82	48540	Valve	1954.24	Valve	18698.89	36	0.312	52	0.17	0.05	2.57	0.85	0.240972	335	1049	755	649	0.44	1.17							1250	Unknown		
60106	GirthWeld		177809.7		39.82	39.83	39.83	48550	Valve	1965.37	Valve	18687.76	36	0.312	52					0.059722	335			649									1250	Unknown		
60107	GirthWeld		177849.5		39.83	39.4	39.4	48560	Valve	2005.2	Valve	18647.93	36	0.312	52					0.479167	335			649									1250	Unknown		
60108	GirthWeld		177888.9		39.4	39.78	39.78	48570	Valve	2044.6	Valve	18608.53	36	0.312	52					1:24	335			649									1250	Unknown		
60109	GirthWeld		177928.7		39.78	37.56	37.56	48580	Valve	2084.38	Valve	18568.75	36	0.312	52					11:16	335			649									1250	Unknown		
60110	GirthWeld		177966.2		37.56	39.83	39.84	48590	Valve	2121.94	Valve	18531.19	36	0.312	52					0.058333	335			649									1250	Unknown		
60111	GirthWeld		178006.1		39.83	28.19	28.19	48600	Valve	2161.77	Valve	18491.36	36	0.312	52					0.452778	335			649									1250	Unknown		
60112	GirthWeld		178034.2		28.19	39.88	39.88	48610	Valve	2189.96	Valve	18463.17	36	0.312	52					0.525	335			649									1250	Unknown		
60113	LWFE-MIFE	n/a	178073.4		39.16	0.72	39.88	48610	Valve	2229.12	Valve	18424.01	36	0.312	52	0.18	0.06	0.55	0.12	12:39	335			649									3421	Mill Wall Thinning		
60114	GirthWeld		178074.1		39.88	38.63	38.63	48620	Valve	2229.84	Valve	18423.29	36	0.312	52					2:26	335			649									1250	Unknown		
60115	GirthWeld		178112.8		38.63	39.28	39.28	48630	Valve	2268.47	Valve	18384.66	36	0.312	52					0.5	335			649									1250	Unknown		
60116	GirthWeld		178152		39.28	39.32	39.32	48640	Valve	2307.75	Valve	18345.38	36	0.312	52					0.105556	335			649									1250	Unknown		
60117	GirthWeld		178191.4		39.32	39.86	39.86	48650	Valve	2347.07	Valve	18306.06	36	0.312	52					0.466667	335			649									1250	Unknown		
60118	MELO-CORR	YES	178201.4		10.08	29.77	39.86	48650	Valve	2357.15	Valve	18295.98	36	0.312	52	0.18	0.06	1.18	0.16	6:09	335	1068	769	649	0.44	1.18							1598	Metal Loss		
60119	MELO-CORR	YES	178212.4		21.01	18.84	39.86	48650	Valve	2368.08	Valve	18285.05	36	0.312	52	0.18	0.06	1.22	0.32	6:07	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60120	GirthWeld		178231.2		39.86	39.81	39.82	48660	Valve	2386.93	Valve	18266.2	36	0.312	52					0.065278	335			649									1250	Unknown		
60121	GirthWeld		178271		39.82	39.83	39.82	48670	Valve	2426.74	Valve	18226.39	36	0.312	52					0.469444	335			649									1250	Unknown		
60122	GirthWeld		178310.9		39.83	38.81	38.81	48680	Valve	2466.57	Valve	18186.56	36	0.312	52					0.059722	335			649									1250	Unknown		
60123	GirthWeld		178349.7		38.81	25.8	25.8	48690	Valve	2505.38	Valve	18147.75	36	0.312	52					11:18	335			649									1250	Unknown		
60124	GirthWeld		178375.5		25.8	39.88	39.88	48700	Valve	2531.18	Valve	18121.95	36	0.312	52					1:36	335			649									1250	Unknown		
60125	GirthWeld		178415.3		39.88	38.97	38.97	48710	Valve	2571.06	Valve	18082.07	36	0.312	52					0.454167	335			649									1250	Unknown		
60126	GirthWeld		178454.3		38.97	39.81	39.81	48720	Valve	2610.03	Valve	18043.1	36	0.312	52					0.059722	335			649									1250	Unknown		
60127	GirthWeld		178494.1		39.81	39.53	39.53	48730	Valve	2649.84	Valve	18003.29	36	0.312	52					0.4625	335			649									1250	Unknown		
60128	GirthWeld		178533.7		39.53	39.8	39.8	48740	Valve	2689.37	Valve	17963.76	36	0.312	52					1:28	335			649									1250	Unknown		
60129	GirthWeld		178573.5		39.8	39.82	39.82	48750	Valve	2729.17	Valve	17923.96	36	0.312	52					11:12	335			649									1250	Unknown		
60130	GirthWeld		178613.3		39.82	39.05	39.05	48760	Valve	2768.99	Valve	17884.14	36	0.312	52					0.061111	335			649									1250	Unknown		
60131	GirthWeld		178652.3		39.05	39.83	39.83	48770	Valve	2808.04	Valve	17845.09	36	0.312	52					0.461111	335			649									1250	Unknown		
60132	GirthWeld		178692.2		39.83	39.24	39.24	48780	Valve	2847.87	Valve	17805.26	36	0.312	52					0.059722	335			649									1250	Unknown		
60133	GirthWeld		178731.4		39.24	39.42	39.42	48790	Valve	2887.11	Valve	17766.02	36	0.312	52					12:20	335			649									1250	Unknown		
60134	GirthWeld		178770.8		39.42	38.14	38.14	48800	Valve	2926.53	Valve	17726.6	36	0.312	52					11:16	335			649									1250	Unknown		
60135	GirthWeld		178809		38.14	31.58	31.58	48810	Valve	2964.67	Valve	17688.46	36	0.312	52					0.061111	335			649									1250	Unknown		
60136	GirthWeld		178840.5		31.58	39.83	39.83	48820	Valve	2996.25	Valve	17656.88	36	0.312	52					0.45	335			649									1250	Unknown		
60137	GirthWeld		178880.4		39.83	39.77	39.77	48830	Valve	3036.08	Valve	17617.05	36	0.312	52					0.054167	335			649									1250	Unknown		
60138	GirthWeld		178920.1		39.77	39.82	39.82	48840	Valve	3075.85	Valve	17577.28	36	0.312	52					11:02	335			649									1250	Unknown		
60139	GirthWeld		178960		39.82	37.94	37.94	48850	Valve	3115.67	Valve	17537.46	36	0.312	52					1:12	335			649									1250	Unknown		
60140	GirthWeld		178997.9		37.94	39.79	39.79	48860	Valve	3153.61	Valve	17499.52	36	0.312	52					0.458333	335			649									1250	Unknown		
60141	GirthWeld		179037.7		39.79	39.78	39.78	48870	Valve	3193.4	Valve	17459.73	36	0.312	52					0.058333	335			649									1250	Unknown		
60142	GirthWeld		179077.5		39.78	39.8	39.8	48880	Valve	3233.18	Valve	17419.95	36	0.312	52					0.4625	335			649									1250	Unknown		
60143	GirthWeld		179117.3		39.8	39.4	39.4	48890	Valve	3272.98	Valve	17380.15	36	0.312	52					1:00	335			649									1250	Unknown		
60144	GirthWeld		179156.7		39.4	39.21	39.21	48900	Valve	3312.38	Valve	17340.75	36	0.312	52					11:02	335			649									1250	Unknown		
60145	GirthWeld		179195.9		39.21	39.8	39.81	48910	Valve	3351.59	Valve	17301.54	36	0.312	52					0.061111	335			649									1250	Unknown		
60146	GirthWeld		179235.7		39.8	17.08	17.08	48920	Valve	3391.39	Valve	17261.74	36	0.312	52					0.4625	335			649									1250	Unknown		
60147	GirthWeld		179252.8		17.08	39.76	39.75	48930	Valve	3408.47	Valve	17244.66	36	0.312	52					0.054167	335			649									1250	Unknown		
60148	GirthWeld		179292.5		39.76	38.83	38.83	48940	Valve	3448.23	Valve	17204.9	36	0.312	52

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
60201	CLUSTER	YES	179351		19.7	17.42	37.13	48950	Valve	3506.76	Valve	17146.37	36	0.312	52	0.16	0.05	13.26	2.08	5:53	335	970	699	649	0.48	1.10							1250	Unknown		
60208	CLUSTER	YES	179354.2		22.87	14.26	37.13	48950	Valve	3509.93	Valve	17143.2	36	0.312	52	0.21	0.07	5.82	1.32	5:49	335	987	711	649	0.47	1.13							1250	Unknown		
60212	MELO-CORR	YES	179360.1		28.78	8.35	37.13	48950	Valve	3515.84	Valve	17137.29	36	0.312	52	0.17	0.05	1.14	0.24	0.283333	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60214	CLUSTER	YES	179364.5		33.18	3.95	37.13	48950	Valve	3520.24	Valve	17132.89	36	0.312	52	0.17	0.05	3.07	0.50	0.275694	335	1041	750	649	0.45	1.16							1250	Unknown		
60217	CLUSTER	YES	179365.8		34.42	2.7	37.13	48950	Valve	3521.48	Valve	17131.65	36	0.312	52	0.18	0.06	3.17	1.20	0.278472	335	1038	747	649	0.45	1.16							1250	Unknown		
60220	MELO-CORR	YES	179367.2		35.88	1.25	37.13	48950	Valve	3522.93	Valve	17130.2	36	0.312	52	0.21	0.07	1.10	0.16	6:34	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60222	CLUSTER	YES	179367.6		36.24	0.88	37.13	48950	Valve	3523.3	Valve	17129.83	36	0.312	52	0.16	0.05	5.04	2.08	5:24	335	1018	733	649	0.46	1.13							1250	Unknown		
60227	MELO-CORR	YES	179367.8		36.49	0.63	37.13	48950	Valve	3523.55	Valve	17129.58	36	0.312	52	0.19	0.06	1.14	0.20	0.275694	335	1067	769	649	0.44	1.18							1598	Metal Loss		
60228	GirthWeld		179368.5		37.13	39.75	39.76	48960	Valve	3524.19	Valve	17128.94	36	0.312	52					0.426389	335			649									1250	Unknown		
60229	MELO-CORR	YES	179377.9		9.45	30.3	39.76	48960	Valve	3533.64	Valve	17119.49	36	0.312	52	0.17	0.05	1.18	0.20	0.203472	335	1068	769	649	0.44	1.19							1598	Metal Loss		
60230	MELO-CORR	YES	179383.1		14.62	25.13	39.76	48960	Valve	3538.81	Valve	17114.32	36	0.312	52	0.21	0.07	1.10	0.20	4:39	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60232	CLUSTER	YES	179387.8		19.36	20.39	39.76	48960	Valve	3543.55	Valve	17109.58	36	0.312	52	0.15	0.05	3.54	0.35	6:36	335	1039	748	649	0.45	1.15							1250	Unknown		
60235	CLUSTER	YES	179390.3		21.84	17.91	39.76	48960	Valve	3546.03	Valve	17107.1	36	0.312	52	0.16	0.05	7.28	0.91	0.230556	335	997	718	649	0.47	1.12							1250	Unknown		
60238	MELO-CORR	YES	179399.5		31.05	8.71	39.76	48960	Valve	3555.24	Valve	17097.89	36	0.312	52	0.15	0.05	1.14	0.28	0.270139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60239	MELO-CORR	YES	179403.7		35.26	4.49	39.76	48960	Valve	3559.45	Valve	17093.68	36	0.312	52	0.21	0.07	1.14	0.20	0.275	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60240	GirthWeld		179408.2		39.75	39.81	39.81	48970	Valve	3563.94	Valve	17089.19	36	0.312	52					1:00	335			649									1250	Unknown		
60241	GirthWeld		179448		39.81	39.83	39.83	48980	Valve	3603.75	Valve	17049.38	36	0.312	52					9:16	335			649									1250	Unknown		
60242	GirthWeld		179487.9		39.83	39.85	39.85	48990	Valve	3643.58	Valve	17009.55	36	0.312	52					0.468056	335			649									1250	Unknown		
60243	GirthWeld		179527.7		39.85	38.87	38.87	49000	Valve	3683.43	Valve	16969.7	36	0.312	52					0.05	335			649									1250	Unknown		
60244	GirthWeld		179566.6		38.87	39.88	39.88	49010	Valve	3722.3	Valve	16930.83	36	0.312	52					0.4625	335			649									1250	Unknown		
60245	GirthWeld		179606.5		39.88	33.49	33.49	49020	Valve	3762.18	Valve	16890.95	36	0.312	52					1:40	335			649									1250	Unknown		
60246	GirthWeld		179640		33.49	38.73	38.73	49030	Valve	3795.67	Valve	16857.46	36	0.312	52					10:56	335			649									1250	Unknown		
60247	GirthWeld		179678.7		38.73	39.85	39.85	49040	Valve	3834.4	Valve	16818.73	36	0.312	52					0.048611	335			649									1250	Unknown		
60248	GirthWeld		179718.5		39.85	39.23	39.23	49050	Valve	3874.25	Valve	16778.88	36	0.312	52					0.461111	335			649									1250	Unknown		
60249	GirthWeld		179757.8		39.23	39.83	39.83	49060	Valve	3913.48	Valve	16739.65	36	0.312	52					0.063889	335			649									1250	Unknown		
60250	GirthWeld		179797.6		39.83	39.79	39.8	49070	Valve	3953.31	Valve	16699.82	36	0.312	52					11:16	335			649									1250	Unknown		
60251	GirthWeld		179837.4		39.79	39.83	39.83	49080	Valve	3993.1	Valve	16660.03	36	0.312	52					1:24	335			649									1250	Unknown		
60252	GirthWeld		179877.2		39.83	39.88	39.88	49090	Valve	4032.93	Valve	16620.2	36	0.312	52					0.456944	335			649									1250	Unknown		
60253	GirthWeld		179917.1		39.88	39.69	39.69	49100	Valve	4072.81	Valve	16580.32	36	0.312	52					0.055556	335			649									1250	Unknown		
60254	GirthWeld		179956.8		39.69	39.86	39.86	49110	Valve	4112.5	Valve	16540.63	36	0.312	52					0.448611	335			649									1250	Unknown		
60255	MELO-CORR	YES	179966.4		9.65	30.21	39.86	49110	Valve	4122.15	Valve	16530.98	36	0.312	52	0.17	0.05	1.10	0.16	6:06	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60256	GirthWeld		179996.6		39.86	39.82	39.81	49120	Valve	4152.36	Valve	16500.77	36	0.312	52					12:54	335			649									1250	Unknown		
60258	CLUSTER	YES	180002.2		5.57	34.23	39.81	49120	Valve	4157.93	Valve	16495.2	36	0.312	52	0.15	0.05	6.66	1.45	0.25	335	1007	725	649	0.46	1.13							1250	Unknown		
60263	CLUSTER	YES	180003.2		6.57	33.24	39.81	49120	Valve	4158.93	Valve	16494.2	36	0.312	52	0.17	0.05	3.38	0.88	0.252083	335	1036	746	649	0.45	1.15							1250	Unknown		
60266	MELO-CORR	YES	180008.5		11.82	27.98	39.81	49120	Valve	4164.18	Valve	16488.95	36	0.312	52	0.21	0.07	0.91	0.24	0.25	335	1070	770	649	0.43	1.19							1598	Metal Loss		
60268	CLUSTER	YES	180010.7		14.08	25.72	39.81	49120	Valve	4166.44	Valve	16486.69	36	0.312	52	0.26	0.08	11.50	1.38	5:57	335	909	654	649	0.51	1.04							1250	Unknown		
60275	CLUSTER	YES	180020.5		23.9	15.9	39.81	49120	Valve	4176.26	Valve	16476.87	36	0.312	52	0.15	0.05	3.66	0.38	6:04	335	1038	747	649	0.45	1.15							1250	Unknown		
60278	CLUSTER	YES	180022		25.39	14.41	39.81	49120	Valve	4177.75	Valve	16475.38	36	0.312	52	0.17	0.05	5.74	0.85	0.247917	335	1006	724	649	0.46	1.12							1250	Unknown		
60282	CLUSTER	YES	180032.7		36.01	3.8	39.81	49120	Valve	4188.37	Valve	16464.76	36	0.312	52	0.26	0.08	10.39	3.11	0.244444	335	915	659	649	0.51	1.07							1250	Unknown		
60288	CLUSTER	YES	180034.8		38.13	1.68	39.81	49120	Valve	4190.49	Valve	16462.64	36	0.312	52	0.2	0.06	7.60	0.82	0.243056	335	973	701	649	0.48	1.10							1250	Unknown		
60293	GirthWeld		180036.5		39.8	38.88	38.89	49130	Valve	4192.17	Valve	16460.96	36	0.312	52					10:57	335			649									1250	Unknown		
60295	CLUSTER	YES	180039.5		3.06	35.83	38.89	49130	Valve	4195.23	Valve	16457.9	36	0.312	52	0.17	0.05	8.02	0.72	5:52	335	987	710	649	0.47	1.12							1250	Unknown		
60300	CLUSTER	YES	180040.4		3.97	34.91	38.89	49130	Valve	4196.14	Valve	16456.99	36	0.312	52	0.2	0.06	6.84	1.13	0.254167	335	980	706	649	0.47	1.11							1250	Unknown		
60305	CLUSTER	YES	180041.5		5.05	33.84	38.89	49130	Valve	4197.22	Valve	16455.91	36	0.312	52	0.16	0.05	5.92	0.97	0.254861	335	1009	726	649	0.46	1.12							1250	Unknown		
60309	CLUSTER	YES	180046.9		10.46	28.42	38.89	49130	Valve	4202.64	Valve	16450.49	36	0.312	52	0.15	0.05	9.54	3.58	0.243375	335	990	713	649	0.47	1.10							1250	Unknown		
60316	GirthWeld		180075.3		38.88	39.89	39.88	49140	Valve	4231.05	Valve	16422.08	36	0.312	52					1:14	335			649									1250	Unknown		
60318	CLUSTER	YES	180101.4		26.11	13.78	39.88	49140	Valve	4257.16	Valve	16395.97	36	0.312	52	0.15	0.05	2.68	0.28	6:00	335	1051	757	649	0.44	1.17							1250	Unknown		
60320	MELO-CORR	YES	180107.2		31.85	8.04	39.88	49140	Valve	4262.9	Valve	16390.23	36	0.312	52	0.15	0.05	1.10	0.43	0.261806	335	1070	770	649	0.43	1.19							1598	Metal Loss		
60322	CLUSTER	YES	180113.4		38.05	1.84	39.88	49140	Valve	4269.1	Valve	16384.03	36	0.312	52	0.18	0.06	2.12	0.72	0.256944	335	1054	759	649	0.44	1.17							1250	Unknown		
60324	GirthWeld		180115.2		39.89	39.82	39.82	49150	Valve	4270.94	Valve	16382.19	36	0.312	52					0.471528	335			649									1250	Unknown		
60326	CLUSTER	YES	180116		0.78	39.03	39.82	49150	Valve	4271.72	Valve	16381.41	36	0.312	52	0.17	0.05	15.98	3.52	5:51	335	957	689	649	0.49	1.09							1250	Unknown		
60334	CLUSTER	YES	180121.3		6.1	33.72	39.82	49150	Valve	4277.04	Valve	16376.1	36	0.312	52	0.27	0.08	2.45	2.61	5:55	335	1034	744	649	0.45	1.17							1250	Unknown		
60338	CLUSTER	YES	180124.2		8.97	30.85	39.82	49150	Valve	4279.91	Valve	16373.22	36	0.312	52	0.2	0.06	7.38	0.66	0.250694	335	975	702	649	0.48	1.10							1250	Unknown		
60342	MELO-CORR	YES	180128.4		13.19	26.63	39.82	49150	Valve	4284.13	Valve	16369	36	0.312	52	0.22	0.07	2.64	0.55	0.246528	335	1039	748	649	0.45	1.16							1598	Metal Loss		
60343	MELO-CORR	YES	180128.5		13.3	26.52	39.82	49150	Valve	4284.24	Valve	16368.89	36	0.312	52	0.18	0.06	1.18	0.20	0.258333	335	1068	769	649	0.44	1.18							1598	Metal Loss		
60345	CLUSTER	YES	180129		13.77	26.05	39.82	49150	Valve	4284.71	Valve	16368.42	36	0.312	52	0.17	0.05	2.89	1.13	6:08	335	1044	752	649	0.45	1.16							1250	Unknown		
60349	CLUSTER	YES	180129.9		14.67	25.14	39.82	49150	Valve	4285.61	Valve	16367.52	36	0.312	52	0.26	0.08	5.29	2.14	6:07	335	972	700	649	0.48	1.09							1250	Unknown		
60354	CLUSTER	YES	180130.6		15.42	24.4	39.82	49150	Valve	4286.36	Valve	16366.77	36	0.312	52	0.17	0.05	3.71	0.69	0.255556	335	1032	743	649	0.45	1.15							1250	Unknown		
60357	MELO-CORR	YES	180132.6		17.34	22.48	39.82	49150	Valve	4288.28	Valve	16364.85	36	0.312	52	0.21	0.07	1.58	0.51	0.260417	335	1060	763	649	0.44	1.18							1598	Metal Loss		
60359	CLUSTER	YES	180132.7		17.45	22.37	39.82	49150	Valve	4288.39	Valve	16364.74	36	0.312	52	0.16	0.05	6.83	0.72	0.245833	335	1001	721	649	0.46	1.12							1250	Unknown		
60361	MELO-CORR	YES	180133.2		18.01	21.81	39.82	49150	Valve	4288.95	Valve	16364.18	36	0.312	52	0.18	0.06	1.85	0.39	6:10	335	1059	762	649	0.44	1.18							1598	Metal Loss		
60363	CLUSTER	YES	180133.7		18.48	21.33	39.82	49150	Valve	4289.42	Valve	16363.71	36	0.312	52	0.15	0.05	5.70	0.63	5:54	335	1015	731	649	0.46	1.13							1250	Unknown		
60367	CLUSTER	YES	180134.3		19.11	20.71	39.82	49150	Valve	4290.05	Valve	16363.08	36	0.312	52	0.18	0.06	2.93	1.54	0.239583	335	1042	750	649	0.45	1.16							1250	Unknown		
60369	MELO-CORR	YES	180134.8		19.54	20.27	39.82	49150	Valve	4290.48	Valve	16362.65	36	0.312	52	0.18	0.06	1.22	0.39	0.255556	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60370	MELO-CORR	YES	180135.1		19.86	19.96	39.82	49150	Valve	4290.8	Valve	16362.33	36	0.312	52	0.25	0.08	2.84	0.59	0.255556	335	1028	740	649	0.45	1.14							1598	Metal Loss		
60371	MELO-CORR	YES	180135.4		20.21	19.6	39.82	49150	Valve	4291.15	Valve	16361.98	36	0.312	52	0.27	0.08	1.26	0.16	6:09	335	1062	764	649	0.44	1.18							1598	Metal Loss		
60373	CLUSTER	YES	180135.8		20.62	19.2	39.82	49150	Valve	4291.56	Valve	16361.57	36	0.312	52	0.21	0.07	9.59	1.76	5:46	335	953	686	649	0.49	1.06							1250	Unknown		
60378	CLUSTER	YES	180136.3		21.03	18.79	39.82	49150	Valve	4291.97	Valve	16361.16	36	0.312	52	0.33	0.10	3.43	0.69	0.255556	335	989	712	649	0.47	1.11							1250	Unknown		
60382	CLUSTER	YES	180137.5		22.28	17.53	39.82	49150	Valve	4293.22	Valve	16359.91	36	0.312	52	0.23	0.07	10.19	0.85	0.245139	335	936	674	649	0.50	1.10							1250	Unknown		
60387	CLUSTER	YES	180138.6		23.34	16.48	39.82	49150	Valve	4294.28	Valve	16358.85	36	0.312	52	0.28	0.09	9.53	0.91	0.254167	335	908	654	649	0.51	1.08							1250	Unknown		
60392	MELO-CORR	YES	180139.6		24.38	15.43	39.82	49150	Valve	4295.32	Valve	16357.81	36	0.312	52	0.18	0.06	1.18	0.39	5:53	335	1068	769	649	0.44	1.18							1598	Metal Loss		
60393	MELO-CORR	YES	180139.7		24.43	15.39	39.82	49150	Valve	4295.37	Valve	16357.76	36	0.312	52	0.22	0.07	1.10	0.28	6:10	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60395	CLUSTER	YES	180140.1		24.85	14.96	39.82	49150	Valve	4295.79	Valve	16357.34	36	0.312	52	0.38	0.12	6.72	1.38	0.24375	335	880	634	649	0.53	1.01							1250	Unknown		
60399	CLUSTER	YES	180140.8		25.59	14.22	39.82	49150	Valve	4296.53	Valve	16356.6	36	0.312	52	0.19	0.06	3.98	2.92	0.245139	335	1022	736	649	0.46	1.14							1250	Unknown		
60403	CLUSTER	YES	180141.4		26.18	13.64	39.82	49150	Valve	4297.12	Valve	16356.01	36	0.312	52	0.22	0.07	3.71	0.72	0.255556	335	1017	732	649	0.46	1.15							1250	Unknown		
60406	CLUSTER	YES	180142.2		26.95	12.87	39.82	49150	Valve	4297.89	Valve	16355.24	36	0.312	52	0.2	0.06	2.99	0.63	6:06	335	1036	746	649	0.45	1.16							1250	Unknown		
60408	MELO-CORR	YES	180142.8		27.59	12.23	39.82	49150	Valve	4298.53	Valve	16354.6	36	0.312	52	0.15	0.05	1.18	0.20	5:54	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60410	CLUSTER	YES	180143.4		28.15	11.67	39.82	49150	Valve	4299.09	Valve	16354.04	36	0.312	52	0.31	0.10	3.05	0.66	0.255556	335	1007	725	649	0.46	1.14							1250	Unknown		
60413	CLUSTER	YES	180143.7		28.51	11.31	39.82	49150	Valve	4299.45	Valve	16353.68	36	0.312	52	0.21	0.07	6.43	0.91	0.253472	335	980	705	649	0.47	1.10							1250	Unknown		
60416	CLUSTER	YES	180145		29.8	10.02	39.82	49150	Valve	4300.74	Valve	16352.39	36	0.312	52	0.35	0.11	2.47	0.76	0.254861	335	1016	731	649	0.46	1.14							1250	Unknown		
60419	CLUSTER	YES	180145.8		30.57	9.25	39.82	49150	Valve	4301.51	Valve	16351.62	36	0.312	52	0.27	0.08	5.28	2.45	5:54	335	968	697	649	0.48	1.11							1250	Unknown		
60424	CLUSTER	YES	180146.5		31.29	8.53	39.82	49150	Valve	4302.23	Valve	16350.9	36	0.312	52	0.16	0.05	8.32	1.07	5:53	335	991	713	649	0.47	1.10							1250	Unknown		
60428	MELO-CORR	YES	180147.1		31.91	7.91	39.82	49150	Valve	4302.85	Valve	16350.28	36	0.312	52	0.16	0.05	1.22	0.20	0.261806	335	1068	769	649	0.44	1.19							1598	Metal Loss		
60429	MELO-CORR	YES	180150.6		35.33	4.49	39.82	49150	Valve	4306.27	Valve	16346.86	36	0.312	52	0.15	0.05	1.02	0.39	0.238889	335	1070	771	649	0.43	1.19							1598	Metal Loss		
60430	GirthWeld		180155		39.82	39.84	39.85	49160	Valve	4310.76	Valve	16342.37	36	0.312	52					0.046528	335			649									1250	Unknown		
60432	CLUSTER	YES	180178.8		23.76	16.08	39.85	49160	Valve	4334.52	Valve	16318.61	36	0.312	52	0.15	0.05	5.21	2.70	5:55	335	1020	734	649	0.46	1.14							1250	Unknown		
60435	GirthWeld		180194.9		39.84	39.89	39.88	49170	Valve	4350.6	Valve	16302.53	36	0.312	52					11:00	335			649									1250	Unknown		
60436	MELO-CORR	YES	180200.4		5.55	34.33	39.88	49170	Valve	4356.15	Valve	16296.98	36	0.312	52	0.17	0.05	1.22	0.16	0.25	335	1068	769	649	0.44	1.18							1598	Metal Loss		
60438	CLUSTER	YES	180201		6.14	33.75	39.88	49170	Valve	4356.74	Valve	16296.39	36	0.312	52	0.17	0.05	2.05	0.22	0.25	335	1057	761	649	0.44	1.17							1250	Unknown		
60440	GirthWeld		180234.8		39.89	39.38	39.37	49180	Valve	4390.49	Valve	16262.64	36	0.312	52					0.059722	335			649									1250	Unknown		
60441	GirthWeld		180274.1		39.37	39.86	39.87	49190	Valve	4429.86	Valve	16223.27	36	0.312	52					10:52	335			649									1250	Unknown		
60442	GirthWeld		180314		39.86	39.81	39.81	49200	Valve	4469.72	Valve	16183.41	36	0.312	52					1:22	335			649									1250	Unknown		
60443	GirthWeld		180353.8		39.81	39.09	39.09	49210	Valve	4509.53	Valve	16143.6	36	0.312	52					0.4625	335			649									1250	Unknown		
60445	CLUSTER	YES	180360.4		6.61	32.48	39.09	49210	Valve	4516.14	Valve	16136.99	36	0.312	52	0.16	0.05	6.29	2.08	0.25	335	1005	724	649	0.46	1.13							1250	Unknown		
60448	GirthWeld		180392.9		39.09	39.03	39.04	49220	Valve	4548.62	Valve	16104.51	36	0.312	52					0.057639	335			649									1250	Unknown		
60450	CLUSTER	YES	180413.1		20.24	18.79	39.04	49220	Valve	4568.86	Valve	16084.27	36	0.312	52	0.17	0.05	3.66	0.38	6:42	335	1032	743	649	0.45	1.15							1250	Unknown		
60453	CLUSTER	YES	180417.5		24.55	14.48	39.04	49220	Valve	4573.17	Valve	16079.96	36	0.312	52	0.18	0.06	2.75	0.54	6:38	335	1044	752	649	0.45	1.16							1250	Unknown		
60455	MELO-CORR	YES	180431.1		38.24	0.79	39.04	49220	Valve	4586.86	Valve	16066.27	36	0.312	52	0.17	0.05	1.14	0.20	0.272917	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60456	GirthWeld		180431.9		39.03	39.36	39.35	49230	Valve	4587.65	Valve	16065.48	36	0.312	52					0.445833	335			649									1250	Unknown		
60457	MELO-CORR	YES	180450.9		18.96	20.39	39.35	49230	Valve	4606.61	Valve	16046.52	36	0.312	52	0.17	0.05	1.02	0.20	0.259028	335	1070	770	649	0.44	1.19							1598	Metal Loss		
60459	CLUSTER	YES	180453.5		21.53	17.83	39.35	49230	Valve	4609.18	Valve	16043.95	36	0.312	52	0.15	0.05	10.61	3.33	5:52	335	985	710	649	0.47	1.10							1250	Unknown		
60465	CLUSTER	YES	180457.6		25.64	13.71	39.35	49230	Valve	4613.29	Valve	16039.84	36	0.312	52	0.23	0.07

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
60523	CLUSTER	YES	180709.6		39.01	0.8	39.81	49290	Valve	4865.3	Valve	15787.83	36	0.312	52	0.23	0.07	4.85	2.96	5:52	335	993	715	649	0.47	1.12							1250	Unknown		
60527	GirthWeld		180710.4		39.81	39.81	39.81	49300	Valve	4866.1	Valve	15787.03	36	0.312	52					1:41	335			649									1250	Unknown		
60529	CLUSTER	YES	180711.4		1.04	38.78	39.81	49300	Valve	4867.14	Valve	15785.99	36	0.312	52	0.25	0.08	1.93	0.72	0.256944	335	1049	755	649	0.44	1.17							1250	Unknown		
60532	CLUSTER	YES	180711.9		1.56	38.26	39.81	49300	Valve	4867.66	Valve	15785.47	36	0.312	52	0.29	0.09	7.37	3.24	0.244444	335	924	666	649	0.50	1.08							1250	Unknown		
60539	CLUSTER	YES	180712.6		2.18	37.63	39.81	49300	Valve	4868.28	Valve	15784.85	36	0.312	52	0.25	0.08	3.36	0.85	0.24375	335	1016	731	649	0.46	1.15							1250	Unknown		
60542	CLUSTER	YES	180713.6		3.21	36.61	39.81	49300	Valve	4869.31	Valve	15783.82	36	0.312	52	0.26	0.08	2.59	2.45	5:54	335	1032	743	649	0.45	1.16							1250	Unknown		
60544	MELO-CORR	YES	180713.9		3.51	36.3	39.81	49300	Valve	4869.61	Valve	15783.52	36	0.312	52	0.27	0.08	1.26	0.35	5:52	335	1062	764	649	0.44	1.18							1598	Metal Loss		
60546	CLUSTER	YES	180714.1		3.72	36.09	39.81	49300	Valve	4869.82	Valve	15783.31	36	0.312	52	0.15	0.05	6.90	2.17	0.247222	335	1005	724	649	0.46	1.12							1250	Unknown		
60549	MELO-CORR	YES	180717		6.59	33.22	39.81	49300	Valve	4872.69	Valve	15780.44	36	0.312	52	0.17	0.05	1.18	0.67	0.251389	335	1068	769	649	0.44	1.19							1598	Metal Loss		
60551	CLUSTER	YES	180718.6		8.22	31.6	39.81	49300	Valve	4874.32	Valve	15778.81	36	0.312	52	0.16	0.05	8.96	1.10	0.245139	335	987	710	649	0.47	1.10							1250	Unknown		
60556	CLUSTER	YES	180720.6		10.18	29.63	39.81	49300	Valve	4876.28	Valve	15776.85	36	0.312	52	0.16	0.05	13.62	1.86	5:44	335	969	698	649	0.48	1.09							1250	Unknown		
60561	CLUSTER	YES	180721.1		10.68	29.13	39.81	49300	Valve	4876.78	Valve	15776.35	36	0.312	52	0.17	0.05	1.69	0.47	6:10	335	1062	765	649	0.44	1.18							1250	Unknown		
60569	CLUSTER	YES	180724.1		13.68	26.14	39.81	49300	Valve	4879.78	Valve	15773.35	36	0.312	52	0.18	0.06	3.02	1.76	0.240278	335	1040	749	649	0.45	1.16							1250	Unknown		
60573	CLUSTER	YES	180724.7		14.32	25.5	39.81	49300	Valve	4880.42	Valve	15772.71	36	0.312	52	0.17	0.05	1.94	0.63	0.246528	335	1059	762	649	0.44	1.18							1250	Unknown		
60576	CLUSTER	YES	180725.3		14.89	24.92	39.81	49300	Valve	4880.99	Valve	15772.14	36	0.312	52	0.19	0.06	8.30	0.94	0.243056	335	973	701	649	0.48	1.10							1250	Unknown		
60580	MELO-CORR	YES	180726.5		16.08	23.73	39.81	49300	Valve	4882.18	Valve	15770.95	36	0.312	52	0.19	0.06	1.10	0.20	6:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
60581	MELO-CORR	YES	180727.4		16.97	22.84	39.81	49300	Valve	4883.07	Valve	15770.06	36	0.312	52	0.16	0.05	1.10	0.16	6:11	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60582	MELO-CORR	YES	180727.8		17.38	22.43	39.81	49300	Valve	4883.48	Valve	15769.65	36	0.312	52	0.18	0.06	1.22	0.28	0.258333	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60583	MELO-CORR	YES	180728.2		17.77	22.04	39.81	49300	Valve	4883.87	Valve	15769.26	36	0.312	52	0.21	0.07	1.22	0.39	0.243056	335	1066	767	649	0.44	1.18							1598	Metal Loss		
60585	CLUSTER	YES	180728.9		18.52	21.29	39.81	49300	Valve	4884.62	Valve	15768.51	36	0.312	52	0.17	0.05	14.72	4.65	0.243056	335	960	691	649	0.48	1.08							1250	Unknown		
60591	MELO-CORR	YES	180729.4		18.98	20.84	39.81	49300	Valve	4885.08	Valve	15768.05	36	0.312	52	0.15	0.05	1.22	0.39	5:50	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60596	CLUSTER	YES	180732.7		22.31	17.5	39.81	49300	Valve	4888.41	Valve	15764.72	36	0.312	52	0.22	0.07	8.10	4.46	5:50	335	958	689	649	0.49	1.10							1250	Unknown		
60603	MELO-CORR	YES	180733.6		23.18	16.63	39.81	49300	Valve	4889.28	Valve	15763.85	36	0.312	52	0.21	0.07	1.10	0.16	0.257639	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60605	CLUSTER	YES	180733.8		23.41	16.4	39.81	49300	Valve	4889.51	Valve	15763.62	36	0.312	52	0.26	0.08	23.35	3.33	0.244444	335	877	632	649	0.53	1.07							1250	Unknown		
60625	CLUSTER	YES	180735.9		25.56	14.25	39.81	49300	Valve	4891.66	Valve	15761.47	36	0.312	52	0.3	0.09	20.75	3.90	0.245139	335	849	611	649	0.55	1.04							1250	Unknown		
60649	CLUSTER	YES	180737.8		27.39	12.42	39.81	49300	Valve	4893.49	Valve	15759.64	36	0.312	52	0.23	0.07	3.56	0.47	6:07	335	1016	732	649	0.46	1.14							1250	Unknown		
60651	MELO-CORR	YES	180737.9		27.53	12.28	39.81	49300	Valve	4893.63	Valve	15759.5	36	0.312	52	0.18	0.06	1.58	0.39	5:52	335	1063	765	649	0.44	1.18							1598	Metal Loss		
60653	CLUSTER	YES	180738.2		27.81	12.01	39.81	49300	Valve	4893.91	Valve	15759.22	36	0.312	52	0.22	0.07	4.64	0.85	0.256944	335	1000	720	649	0.47	1.13							1250	Unknown		
60655	MELO-CORR	YES	180738.5		28.07	11.74	39.81	49300	Valve	4894.17	Valve	15758.96	36	0.312	52	0.26	0.08	1.26	0.43	0.245833	335	1062	765	649	0.44	1.18							1598	Metal Loss		
60657	CLUSTER	YES	180738.8		28.43	11.38	39.81	49300	Valve	4894.54	Valve	15758.6	36	0.312	52	0.3	0.09	16.36	3.65	0.245139	335	859	619	649	0.54	1.01							1250	Unknown		
60665	CLUSTER	YES	180740.9		30.47	9.35	39.81	49300	Valve	4896.57	Valve	15756.56	36	0.312	52	0.2	0.06	2.50	1.54	5:53	335	1045	753	649	0.45	1.16							1250	Unknown		
60667	MELO-CORR	YES	180741.4		31.04	8.78	39.81	49300	Valve	4897.14	Valve	15755.99	36	0.312	52	0.23	0.07	1.46	0.47	6:16	335	1061	764	649	0.44	1.18							1598	Metal Loss		
60669	CLUSTER	YES	180741.5		31.14	8.67	39.81	49300	Valve	4897.24	Valve	15755.89	36	0.312	52	0.2	0.06	4.14	0.76	0.24375	335	1016	731	649	0.46	1.14							1250	Unknown		
60672	CLUSTER	YES	180743.2		32.79	7.03	39.81	49300	Valve	4898.89	Valve	15754.24	36	0.312	52	0.3	0.09	3.12	1.70	0.246528	335	1008	726	649	0.46	1.15							1250	Unknown		
60674	MELO-CORR	YES	180743.5		33.15	6.66	39.81	49300	Valve	4899.25	Valve	15753.88	36	0.312	52	0.26	0.08	1.26	0.20	0.250694	335	1062	765	649	0.44	1.18							1598	Metal Loss		
60676	CLUSTER	YES	180745		34.61	5.2	39.81	49300	Valve	4900.71	Valve	15752.42	36	0.312	52	0.23	0.07	1.22	0.72	6:01	335	1065	767	649	0.44	1.18							1250	Unknown		
60679	CLUSTER	YES	180745.5		35.08	4.73	39.81	49300	Valve	4901.18	Valve	15751.95	36	0.312	52	0.38	0.12	7.43	1.16	6:00	335	867	625	649	0.54	1.04							1250	Unknown		
60682	MELO-CORR	YES	180746.2		35.79	4.02	39.81	49300	Valve	4901.89	Valve	15751.24	36	0.312	52	0.15	0.05	1.18	0.16	0.250694	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60684	CLUSTER	YES	180747.6		37.17	2.65	39.81	49300	Valve	4903.27	Valve	15749.86	36	0.312	52	0.22	0.07	4.14	0.57	0.243056	335	1009	726	649	0.46	1.14							1250	Unknown		
60686	MELO-CORR	YES	180747.9		37.53	2.28	39.81	49300	Valve	4903.63	Valve	15749.5	36	0.312	52	0.15	0.05	0.91	0.24	0.254167	335	1071	771	649	0.43	1.19							1598	Metal Loss		
60688	CLUSTER	YES	180749.6		39.21	0.6	39.81	49300	Valve	4905.31	Valve	15747.82	36	0.312	52	0.16	0.05	3.59	4.18	5:27	335	1036	746	649	0.45	1.16							1250	Unknown		
60691	GirthWeld		180750.2		39.81	39.81	39.81	49310	Valve	4905.91	Valve	15747.22	36	0.312	52					10:56	335			649									1250	Unknown		
60693	CLUSTER	YES	180750.6		0.39	39.42	39.81	49310	Valve	4906.3	Valve	15746.83	36	0.312	52	0.22	0.07	4.91	1.01	0.247917	335	996	717	649	0.47	1.12							1250	Unknown		
60695	MELO-CORR	YES	180752		1.77	38.04	39.81	49310	Valve	4907.68	Valve	15745.45	36	0.312	52	0.47	0.15	9.17	1.61	0.243056	335	778	560	649	0.60	0.89							1598	Metal Loss		
60697	CLUSTER	YES	180753		2.78	37.03	39.81	49310	Valve	4908.69	Valve	15744.44	36	0.312	52	0.18	0.06	4.39	0.82	0.259028	335	1018	733	649	0.46	1.14							1250	Unknown		
60700	CLUSTER	YES	180753.7		3.53	36.28	39.81	49310	Valve	4909.44	Valve	15743.69	36	0.312	52	0.21	0.07	8.41	1.23	6:10	335	961	692	649	0.48	1.10							1250	Unknown		
60704	MELO-CORR	YES	180756		5.84	33.97	39.81	49310	Valve	4911.75	Valve	15741.38	36	0.312	52	0.17	0.05	1.14	0.20	5:27	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60705	MELO-CORR	YES	180756		5.85	33.96	39.81	49310	Valve	4911.76	Valve	15741.37	36	0.312	52	0.18	0.06	1.46	0.67	0.271528	335	1064	766	649	0.44	1.18							1598	Metal Loss		
60707	CLUSTER	YES	180756.1		5.95	33.86	39.81	49310	Valve	4911.86	Valve	15741.27	36	0.312	52	0.15	0.05	5.18	1.48	0.260417	335	1020	734	649	0.46	1.13							1250	Unknown		
60708	MELO-CORR	YES	180756.3		6.09	33.72	39.81	49310	Valve	4912	Valve	15741.13	36	0.312	52	0.17	0.05	1.30	0.35	0.240278	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60711	CLUSTER	YES	180760.2		10.02	29.79	39.81	49310	Valve	4915.93	Valve	15737.2	36	0.312	52	0.2	0.06	7.25	0.88	6:09	335	977	703	649	0.48	1.11							1250	Unknown		
60714	CLUSTER	YES	180762		11.79	28.02	39.81	49310	Valve	4917.7	Valve	15735.43	36	0.312	52	0.25	0.08	8.15	1.10	5:50	335	939	676	649	0.50	1.07							1250	Unknown		
60717	CLUSTER	YES	180762.3		12.14	27.67	39.81	49310	Valve	4918.05	Valve	15735.08	36	0.312	52	0.26	0.08	5.99	1.13	0.254861	335	960	692	649	0.48	1.11							1250	Unknown		
60721	CLUSTER	YES	180767.2		16.97	22.84	39.81	49310	Valve	4922.88	Valve	15730.25	36	0.312	52	0.21	0.07	2.29	0.63	0.255556	335	1047	754	649	0.44	1.17							1250	Unknown		
60724	CLUSTER	YES	180767.5		17.34	22.47	39.81	49310	Valve	4923.25	Valve	15729.88	36	0.312	52	0.2	0.06	10.54	3.58	0.245139	335	954	687	649	0.49	1.08							1250	Unknown		
60731	CLUSTER	YES	180768.8		18.62	21.19	39.81	49310	Valve	4924.53	Valve	15728.6	36	0.312	52	0.22	0.07	6.85	2.99	6:07	335	970	698	649	0.48	1.11							1250	Unknown		
60738	CLUSTER	YES	180771.9		21.72	18.09	39.81	49310	Valve	4927.63	Valve	15725.5	36	0.312	52	0.23	0.07	1.42	2.89	6:15	335	1061	764	649	0.44	1.18							1250	Unknown		
60740	MELO-CORR	YES	180776.7		26.52	13.29	39.81	49310	Valve	4932.43	Valve	15720.7	36	0.312	52	0.15	0.05	1.10	0.47	0.258333	335	1070	770	649	0.43	1.19							1598	Metal Loss		
60742	CLUSTER	YES	180777.3		27.14	12.66	39.81	49310	Valve	4933.05	Valve	15720.08	36	0.312	52	0.19	0.06	23.10	7.16	0.238194	335	932	671	649	0.50	1.08							1250	Unknown		
60746	MELO-CORR	YES	180778.2		27.96	11.85	39.81	49310	Valve	4933.87	Valve	15719.26	36	0.312	52	0.16	0.05	1.18	0.24	0.241667	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60759	CLUSTER	YES	180779.6		29.44	10.37	39.81	49310	Valve	4935.35	Valve	15717.78	36	0.312	52	0.38	0.12	15.48	4.37	5:51	335	800	576	649	0.58	0.98							1250	Unknown		
60771	CLUSTER	YES	180781		30.82	8.99	39.81	49310	Valve	4936.73	Valve	15716.4	36	0.312	52	0.17	0.05	28.50	5.15	5:48	335	944	679	649	0.49	1.07							1250	Unknown		
60792	CLUSTER	YES	180785.3		35.06	4.75	39.81	49310	Valve	4940.97	Valve	15712.16	36	0.312	52	0.21	0.07	3.20	1.10	0.254167	335	1030	741	649	0.45	1.15							1250	Unknown		
60796	CLUSTER	YES	180785.7		35.52	4.29	39.81	49310	Valve	4941.43	Valve	15711.7	36	0.312	52	0.2	0.06	17.56	1.20	0.25625	335	932	671	649	0.50	1.07							1250	Unknown		
60804	CLUSTER	YES	180788.2		37.99	1.82	39.81	49310	Valve	4943.9	Valve	15709.23	36	0.312	52	0.21	0.07	13.62	4.49	0.254167	335	934	673	649	0.50	1.07							1250	Unknown		
60806	MELO-CORR	YES	180788.2		38.02	1.79	39.81	49310	Valve	4943.93	Valve	15709.2	36	0.312	52	0.2	0.06	1.14	0.24	5:44	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60812	CLUSTER	YES	180789		38.79	1.02	39.81	49310	Valve	4944.7	Valve	15708.43	36	0.312	52	0.23	0.07	9.26	1.42	5:40	335	943	679	649	0.49	1.08							1250	Unknown		
60820	GirthWeld		180790		39.81	39.07	39.07	49320	Valve	4945.72	Valve	15707.41	36	0.312	52					0.050694	335			649									1250	Unknown		
60821	MELO-CORR	YES	180790.8		0.79	38.28	39.07	49320	Valve	4946.51	Valve	15706.62	36	0.312	52	0.17	0.05	1.22	0.47	0.261111	335	1068	769	649	0.44	1.18							1598	Metal Loss		
60822	MELO-CORR	YES	180791.8		1.82	37.25	39.07	49320	Valve	4947.54	Valve	15705.59	36	0.312	52	0.15	0.05	1.18	0.16	0.230556	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60824	CLUSTER	YES	180797.1		7.14	31.93	39.07	49320	Valve	4952.86	Valve	15700.27	36	0.312	52	0.15	0.05	4.80	2.99	5:49	335	1024	737	649	0.45	1.14							1250	Unknown		
60828	CLUSTER	YES	180810.2		20.2	18.87	39.07	49320	Valve	4965.92	Valve	15687.21	36	0.312	52	0.19	0.06	4.27	1.60	6:05	335	1017	732	649	0.46	1.14							1250	Unknown		
60833	CLUSTER	YES	180811.3		21.33	17.74	39.07	49320	Valve	4967.05	Valve	15686.08	36	0.312	52	0.15	0.05	11.04	2.58	0.247917	335	984	708	649	0.47	1.09							1250	Unknown		
60838	MELO-CORR	YES	180817.5		27.49	11.58	39.07	49320	Valve	4973.21	Valve	15679.92	36	0.312	52	0.18	0.06	2.40	0.43	0.25	335	1050	756	649	0.44	1.17							1598	Metal Loss		
60839	MELO-CORR	YES	180817.8		27.76	11.31	39.07	49320	Valve	4973.48	Valve	15679.65	36	0.312	52	0.2	0.06	1.38	0.39	0.260417	335	1064	766	649	0.44	1.18							1598	Metal Loss		
60840	MELO-CORR	YES	180826.2		36.15	2.92	39.07	49320	Valve	4981.88	Valve	15671.26	36	0.312	52	0.19	0.06	1.18	0.24	6:10	335	1067	768	649	0.44	1.18							1598	Metal Loss		
60841	GirthWeld		180829.1		39.07	39.26	39.26	49330	Valve	4984.79	Valve	15668.34	36	0.312	52					11:19	335			649									1250	Unknown		
60842	GirthWeld		180868.3		39.26	39.77	39.77	49340	Valve	5024.05	Valve	15629.08	36	0.312	52					0.054167	335			649									1250	Unknown		
60843	GirthWeld		180908.1		39.77	37.87	37.87	49350	Valve	5063.82	Valve	15589.31	36	0.312	52					0.459722	335			649									1250	Unknown		
60844	GirthWeld		180946		37.87	39.83	39.83	49360	Valve	5101.69	Valve	15551.44	36	0.312	52					0.106944	335			649									1250	Unknown		
60845	GirthWeld		180985.8		39.83	39.3	39.3	49370	Valve	5141.52	Valve	15511.61	36	0.312	52					9:35	335			649									1250	Unknown		
60847	CLUSTER	YES	180989.3		3.51	35.79	39.3	49370	Valve	5145.03	Valve	15508.1	36	0.312	52	0.15	0.05	4.86	2.45	5:45	335	1024	737	649	0.45	1.14							1250	Unknown		
60851	CLUSTER	YES	180995.4		9.59	29.71	39.3	49370	Valve	5151.11	Valve	15502.02	36	0.312	52	0.16	0.05	44.54	2.86	0.246528	335	943	679	649	0.49	1.07							1250	Unknown		
60871	MELO-CORR	YES	181001.9		16.07	23.23	39.3	49370	Valve	5157.59	Valve	15495.54	36	0.312	52	0.16	0.05	1.10	0.20	0.274306	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60873	CLUSTER	YES	181009.6		23.76	15.55	39.3	49370	Valve	5165.28	Valve	15487.85	36	0.312	52	0.2	0.06	7.10	1.13	0.266667	335	978	704	649	0.48	1.11							1250	Unknown		
60874	MELO-CORR	YES	181009.6		23.79	15.51	39.3	49370	Valve	5165.31	Valve	15487.82	36	0.312	52	0.17	0.05	1.10	0.32	6:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60880	CLUSTER	YES	181011.9		26.06	13.25	39.3	49370	Valve	5167.58	Valve	15485.55	36	0.312	52	0.16	0.05	5.62	1.48	5:53	335	1012	728	649	0.46	1.13							1250	Unknown		
60884	MELO-CORR	YES	181013.2		27.35	11.95	39.3	49370	Valve	5168.87	Valve	15484.26	36	0.312	52	0.15	0.05	2.99	0.20	0.245139	335	1047	754	649	0.44	1.16							1598	Metal Loss		
60886	CLUSTER	YES	181022.4		36.64	2.66	39.3	49370	Valve	5178.16	Valve	15474.97	36	0.312	52	0.17	0.05	6.61	0.63	0.266667	335	998	718	649	0.47	1.12							1250	Unknown		
60888	MELO-CORR	YES	181024.6		38.75	0.56	39.3	49370	Valve	5180.27	Valve	15472.86	36	0.312	52	0.15	0.05	0.91	0.63	0.219444	335	1071	771	649	0.43	1.19							1598	Metal Loss		
60889	GirthWeld		181025.1		39.3	38.97	38.96	49380	Valve	5180.82	Valve	15472.31	36	0.312	52					3:02	335			649									1250	Unknown		
60890	MELO-CORR	YES	181025.5		0.35	38.62	38.96	49380	Valve	5181.17	Valve	15471.96	36	0.312	52	0.16	0.05	1.10	0.16	6:40	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60892	CLUSTER	YES	181025.9		0.82	38.14	38.96	49380	Valve	5181.64	Valve	15471.49	36	0.312	52	0.15	0.05	1.28	0.47	0.229167	335	1068	769	649	0.44	1.18							1250	Unknown		
60895	CLUSTER	YES	181030.9		5.77	33.19	38.96	49380	Valve	5186.6	Valve	15466.54	36	0.312	52	0.17	0.05	4.42	2.58	0.263194	335	1022	736	649	0.46	1.14							1250	Unknown		
60900	CLUSTER	YES	181033.4		8.34	30.62	38.96	49380	Valve	5189.16	Valve	15463.97	36	0.312	52	0.2	0.06	23.02	1.51	0.247222	335	925	666	649	0.50	1.08							1250	Unknown		
60909	GirthWeld		181064.1		38.97	38.8	38.8	49390	Valve	5219.79	Valve	15433.34	36	0.312	52					9:30	335			649									1250	Unknown		
60910	GirthWeld		181102.9		38.8	39.81	39.81	49400	Valve	5258.59	Valve	15394.54	36	0.312	52					1:06	335			649									1250	Unknown		
60911	GirthWeld		181142.7		39.81	39.35	39.35	49410	Valve	5298.4	Valve	15354.73	36

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
60948	MELO-CORR	YES	181668.7		14.26	25.57	39.84	49540	Valve	5824.42	Valve	14828.71	36	0.312	52	0.17	0.05	1.10	0.16	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
60950	CLUSTER	YES	181676.5		22.01	17.83	39.84	49540	Valve	5832.17	Valve	14820.96	36	0.312	52	0.15	0.05	4.06	0.41	6:02	335	1033	744	649	0.45	1.15							1250	Unknown		
60953	CLUSTER	YES	181676.5		22.08	17.76	39.84	49540	Valve	5832.24	Valve	14820.89	36	0.312	52	0.19	0.06	8.75	1.67	0.26875	335	970	699	649	0.48	1.10							1250	Unknown		
60959	CLUSTER	YES	181684.6		30.16	9.67	39.84	49540	Valve	5840.32	Valve	14812.81	36	0.312	52	0.16	0.05	7.38	0.47	0.269444	335	997	718	649	0.47	1.12							1250	Unknown		
60963	CLUSTER	YES	181685.4		30.93	8.91	39.84	49540	Valve	5841.09	Valve	14812.04	36	0.312	52	0.16	0.05	6.35	0.57	0.252083	335	1005	724	649	0.46	1.12							1250	Unknown		
60966	GirthWeld		181694.3		39.84	39.08	39.09	49550	Valve	5850	Valve	14803.13	36	0.312	52					9:56	335			649									1250	Unknown		
60967	GirthWeld		181733.4		39.08	39.83	39.83	49560	Valve	5889.08	Valve	14764.05	36	0.312	52					2:46	335			649									1250	Unknown		
60968	GirthWeld		181773.2		39.83	38.74	38.74	49570	Valve	5928.91	Valve	14724.22	36	0.312	52					0.540278	335			649									1250	Unknown		
60969	GirthWeld		181811.9		38.74	39.84	39.84	49580	Valve	5967.65	Valve	14685.48	36	0.312	52					0.463889	335			649									1250	Unknown		
60970	GirthWeld		181851.8		39.84	39.82	39.82	49590	Valve	6007.49	Valve	14645.64	36	0.312	52					0.533333	335			649									1250	Unknown		
60971	GirthWeld		181891.6		39.82	39.82	39.82	49600	Valve	6047.31	Valve	14605.82	36	0.312	52					11:26	335			649									1250	Unknown		
60972	GirthWeld		181931.4		39.82	38.21	38.21	49610	Valve	6087.13	Valve	14566	36	0.312	52					12:50	335			649									1250	Unknown		
60973	GirthWeld		181969.6		38.21	39.85	39.86	49620	Valve	6125.34	Valve	14527.79	36	0.312	52					0.476389	335			649									1250	Unknown		
60974	GirthWeld		182009.5		39.85	39.14	39.13	49630	Valve	6165.19	Valve	14487.94	36	0.312	52					0.056944	335			649									1250	Unknown		
60975	GirthWeld		182048.6		39.14	37.29	37.29	49640	Valve	6204.33	Valve	14448.8	36	0.312	52					0.479167	335			649									1250	Unknown		
60976	GirthWeld		182085.9		37.29	39.84	39.85	49650	Valve	6241.62	Valve	14411.51	36	0.312	52					12:54	335			649									1250	Unknown		
60977	GirthWeld		182125.7		39.84	39.88	39.88	49660	Valve	6281.46	Valve	14371.67	36	0.312	52					11:24	335			649									1250	Unknown		
60978	GirthWeld		182165.6		39.88	39.83	39.83	49670	Valve	6321.34	Valve	14331.79	36	0.312	52					0.048611	335			649									1250	Unknown		
60979	GirthWeld		182205.5		39.83	30.07	30.07	49680	Valve	6361.17	Valve	14291.96	36	0.312	52					0.476389	335			649									1250	Unknown		
60980	GirthWeld		182235.5		30.07	39.8	39.8	49690	Valve	6391.24	Valve	14261.89	36	0.312	52					0.054167	335			649									1250	Unknown		
60981	GirthWeld		182275.3		39.8	39.87	39.87	49700	Valve	6431.04	Valve	14222.09	36	0.312	52					11:40	335			649									1250	Unknown		
60982	GirthWeld		182315.2		39.87	39.79	39.79	49710	Valve	6470.91	Valve	14182.22	36	0.312	52					12:58	335			649									1250	Unknown		
60983	GirthWeld		182355		39.79	39.84	39.84	49720	Valve	6510.7	Valve	14142.43	36	0.312	52					0.463889	335			649									1250	Unknown		
60984	GirthWeld		182394.8		39.84	39.78	39.78	49730	Valve	6550.54	Valve	14102.59	36	0.312	52					0.045833	335			649									1250	Unknown		
60985	GirthWeld		182434.6		39.78	39.81	39.81	49740	Valve	6590.32	Valve	14062.81	36	0.312	52					0.477778	335			649									1250	Unknown		
60986	GirthWeld		182474.4		39.81	39.82	39.82	49750	Valve	6630.13	Valve	14023	36	0.312	52					1:06	335			649									1250	Unknown		
60987	GirthWeld		182514.2		39.82	35.04	35.04	49760	Valve	6669.95	Valve	13983.18	36	0.312	52					11:19	335			649									1250	Unknown		
60988	GirthWeld		182549.3		35.04	39.74	39.75	49770	Valve	6704.99	Valve	13948.14	36	0.312	52					0.045833	335			649									1250	Unknown		
60989	GirthWeld		182589		39.74	39.84	39.83	49780	Valve	6744.73	Valve	13908.4	36	0.312	52					0.461111	335			649									1250	Unknown		
60990	GirthWeld		182628.9		39.84	39.76	39.77	49790	Valve	6784.57	Valve	13868.56	36	0.312	52					0.408333	335			649									1250	Unknown		
60991	GirthWeld		182668.6		39.76	38.36	38.36	49800	Valve	6824.33	Valve	13828.8	36	0.312	52					1:01	335			649									1250	Unknown		
60993	CLUSTER	YES	182692.5		23.86	14.5	38.36	49800	Valve	6848.19	Valve	13804.94	36	0.312	52	0.19	0.06	3.61	1.10	5:59	335	1027	740	649	0.45	1.15							1250	Unknown		
60995	MELO-CORR	YES	182703.1		34.47	3.89	38.36	49800	Valve	6858.8	Valve	13794.33	36	0.312	52	0.15	0.05	1.22	0.16	0.247917	335	1069	769	649	0.44	1.19							1598	Metal Loss		
60997	CLUSTER	YES	182704.7		36.11	2.26	38.36	49800	Valve	6860.43	Valve	13792.7	36	0.312	52	0.16	0.05	14.94	3.43	0.24375	335	966	696	649	0.48	1.09							1250	Unknown		
61008	CLUSTER	YES	182706.2		37.55	0.81	38.36	49800	Valve	6861.88	Valve	13791.25	36	0.312	52	0.15	0.05	8.88	3.83	0.243056	335	993	715	649	0.47	1.11							1250	Unknown		
61014	GirthWeld		182707		38.36	39.7	39.7	49810	Valve	6862.69	Valve	13790.44	36	0.312	52					10:01	335			649									1250	Unknown		
61016	CLUSTER	YES	182707.8		0.85	38.85	39.7	49810	Valve	6863.54	Valve	13789.59	36	0.312	52	0.17	0.05	64.87	4.84	5:49	335	928	668	649	0.50	1.06							1250	Unknown		
61019	MELO-CORR	YES	182708		1.03	38.68	39.7	49810	Valve	6863.72	Valve	13789.41	36	0.312	52	0.15	0.05	1.10	0.20	0.275694	335	1070	770	649	0.43	1.19							1598	Metal Loss		
61065	CLUSTER	YES	182713.4		6.46	33.24	39.7	49810	Valve	6869.15	Valve	13783.98	36	0.312	52	0.23	0.07	1.62	0.82	0.261111	335	1058	762	649	0.44	1.18							1250	Unknown		
61068	CLUSTER	YES	182715.8		8.86	30.84	39.7	49810	Valve	6871.55	Valve	13781.58	36	0.312	52	0.18	0.06	10.34	3.65	0.24375	335	968	697	649	0.48	1.10							1250	Unknown		
61080	CLUSTER	YES	182716.8		9.84	29.86	39.7	49810	Valve	6872.53	Valve	13780.6	36	0.312	52	0.23	0.07	21.84	3.02	5:51	335	903	650	649	0.52	1.07							1250	Unknown		
61092	MELO-CORR	YES	182720.7		13.77	25.93	39.7	49810	Valve	6876.46	Valve	13776.67	36	0.312	52	0.2	0.06	1.26	0.55	6:29	335	1066	767	649	0.44	1.18							1598	Metal Loss		
61094	CLUSTER	YES	182721.1		14.12	25.58	39.7	49810	Valve	6876.81	Valve	13776.32	36	0.312	52	0.27	0.08	1.26	2.01	0.229861	335	1062	764	649	0.44	1.18							1250	Unknown		
61097	CLUSTER	YES	182723.5		16.51	23.19	39.7	49810	Valve	6879.2	Valve	13773.93	36	0.312	52	0.18	0.06	2.75	1.79	0.238194	335	1044	752	649	0.45	1.16							1250	Unknown		
61100	CLUSTER	YES	182724.1		17.09	22.61	39.7	49810	Valve	6879.78	Valve	13773.35	36	0.312	52	0.19	0.06	6.68	1.51	0.235417	335	987	711	649	0.47	1.12							1250	Unknown		
61104	CLUSTER	YES	182726.2		19.27	20.43	39.7	49810	Valve	6881.96	Valve	13771.17	36	0.312	52	0.22	0.07	24.54	6.63	5:39	335	908	653	649	0.51	1.05							1250	Unknown		
61122	CLUSTER	YES	182729.1		22.12	17.58	39.7	49810	Valve	6884.81	Valve	13768.32	36	0.312	52	0.19	0.06	4.28	2.45	5:58	335	1017	732	649	0.46	1.14							1250	Unknown		
61126	CLUSTER	YES	182729.6		22.66	17.04	39.7	49810	Valve	6885.35	Valve	13767.78	36	0.312	52	0.17	0.05	18.24	3.24	0.246528	335	953	686	649	0.49	1.07							1250	Unknown		
61128	MELO-CORR	YES	182729.7		22.68	17.02	39.7	49810	Valve	6885.37	Valve	13767.76	36	0.312	52	0.15	0.05	1.22	0.28	0.232639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
61139	CLUSTER	YES	182731.3		24.31	15.39	39.7	49810	Valve	6887	Valve	13766.13	36	0.312	52	0.17	0.05	37.37	3.77	0.24375	335	938	675	649	0.50	1.06							1250	Unknown		
61165	CLUSTER	YES	182734.4		27.4	12.3	39.7	49810	Valve	6890.09	Valve	13763.04	36	0.312	52	0.24	0.08	2.62	2.20	5:46	335	1036	746	649	0.45	1.16							1250	Unknown		
61167	MELO-CORR	YES	182735.1		28.1	11.61	39.7	49810	Valve	6890.79	Valve	13762.34	36	0.312	52	0.16	0.05	1.10	0.28	6:39	335	1069	770	649	0.44	1.19							1598	Metal Loss		
61168	MELO-CORR	YES	182735.2		28.23	11.47	39.7	49810	Valve	6890.92	Valve	13762.21	36	0.312	52	0.17	0.05	2.28	0.83	0.23125	335	1053	758	649	0.44	1.17							1598	Metal Loss		
61169	MELO-CORR	YES	182735.7		28.74	10.96	39.7	49810	Valve	6891.43	Valve	13761.7	36	0.312	52	0.15	0.05	0.91	0.51	0.275694	335	1071	771	649	0.43	1.19							1598	Metal Loss		
61170	MELO-CORR	YES	182735.8		28.79	10.92	39.7	49810	Valve	6891.48	Valve	13761.65	36	0.312	52	0.15	0.05	1.10	0.43	0.221528	335	1070	770	649	0.43	1.19							1598	Metal Loss		
61172	CLUSTER	YES	182736.3		29.31	10.39	39.7	49810	Valve	6892	Valve	13761.13	36	0.312	52	0.16	0.05	12.47	3.55	5:51	335	973	700	649	0.48	1.09							1250	Unknown		
61179	MELO-CORR	YES	182737.3		30.28	9.42	39.7	49810	Valve	6892.97	Valve	13760.16	36	0.312	52	0.2	0.06	1.10	0.20	5:57	335	1068	769	649	0.44	1.18							1598	Metal Loss		
61181	CLUSTER	YES	182738.3		31.3	8.4	39.7	49810	Valve	6893.99	Valve	13759.14	36	0.312	52	0.29	0.09	9.32	1.07	0.231944	335	903	650	649	0.52	1.07							1250	Unknown		
61183	CLUSTER	YES	182738.5		31.51	8.19	39.7	49810	Valve	6894.2	Valve	13758.93	36	0.312	52	0.18	0.06	3.36	2.11	0.249306	335	1035	745	649	0.45	1.16							1250	Unknown		
61188	MELO-CORR	YES	182738.8		31.86	7.84	39.7	49810	Valve	6894.55	Valve	13758.58	36	0.312	52	0.21	0.07	1.10	0.16	0.221528	335	1067	768	649	0.44	1.18							1598	Metal Loss		
61189	MELO-CORR	YES	182739.3		32.35	7.36	39.7	49810	Valve	6895.04	Valve	13758.09	36	0.312	52	0.23	0.07	1.10	0.16	5:36	335	1066	768	649	0.44	1.18							1598	Metal Loss		
61191	CLUSTER	YES	182740.2		33.19	6.51	39.7	49810	Valve	6895.88	Valve	13757.25	36	0.312	52	0.19	0.06	6.85	1.13	5:58	335	985	710	649	0.47	1.11							1250	Unknown		
61195	MELO-CORR	YES	182741.6		34.61	5.09	39.7	49810	Valve	6897.3	Valve	13755.83	36	0.312	52	0.17	0.05	1.18	0.43	0.214583	335	1068	769	649	0.44	1.19							1598	Metal Loss		
61197	CLUSTER	YES	182742.1		35.12	4.59	39.7	49810	Valve	6897.81	Valve	13755.32	36	0.312	52	0.16	0.05	3.94	0.35	0.252778	335	1031	743	649	0.45	1.14							1250	Unknown		
61200	CLUSTER	YES	182743.5		36.52	3.18	39.7	49810	Valve	6899.21	Valve	13753.92	36	0.312	52	0.16	0.05	9.67	7.42	0.236806	335	983	708	649	0.47	1.09							1250	Unknown		
61214	GirthWeld		182746.7		39.7	39.85	39.85	49820	Valve	6902.39	Valve	13750.74	36	0.312	52					3:38	335			649									1250	Unknown		
61215	MELO-CORR	YES	182746.9		0.26	39.59	39.85	49820	Valve	6902.65	Valve	13750.48	36	0.312	52	0.17	0.05	1.22	0.20	5:41	335	1068	769	649	0.44	1.18							1598	Metal Loss		
61217	CLUSTER	YES	182747.1		0.38	39.48	39.85	49820	Valve	6902.77	Valve	13750.36	36	0.312	52	0.16	0.05	3.98	1.73	0.265972	335	1031	742	649	0.45	1.15							1250	Unknown		
61220	CLUSTER	YES	182747.4		0.75	39.1	39.85	49820	Valve	6903.14	Valve	13749.99	36	0.312	52	0.2	0.06	10.84	1.60	0.235417	335	952	686	649	0.49	1.10							1250	Unknown		
61226	CLUSTER	YES	182748		1.28	38.58	39.85	49820	Valve	6903.67	Valve	13749.46	36	0.312	52	0.19	0.06	5.50	2.14	0.263889	335	1000	720	649	0.47	1.13							1250	Unknown		
61235	CLUSTER	YES	182748.8		2.14	37.71	39.85	49820	Valve	6904.53	Valve	13748.6	36	0.312	52	0.17	0.05	8.81	1.82	6:26	335	982	707	649	0.47	1.10							1250	Unknown		
61241	CLUSTER	YES	182752.8		6.12	33.74	39.85	49820	Valve	6908.51	Valve	13744.62	36	0.312	52	0.15	0.05	7.31	1.42	5:40	335	1002	722	649	0.46	1.12							1250	Unknown		
61245	CLUSTER	YES	182755.2		8.53	31.32	39.85	49820	Valve	6910.92	Valve	13742.21	36	0.312	52	0.15	0.05	4.84	1.38	0.241667	335	1024	737	649	0.45	1.14							1250	Unknown		
61248	CLUSTER	YES	182758.4		11.74	28.11	39.85	49820	Valve	6914.13	Valve	13739	36	0.312	52	0.2	0.06	8.24	1.38	0.236806	335	968	697	649	0.48	1.10							1250	Unknown		
61252	CLUSTER	YES	182759.4		12.72	27.13	39.85	49820	Valve	6915.11	Valve	13738.02	36	0.312	52	0.16	0.05	1.27	0.57	0.251389	335	1068	769	649	0.44	1.18							1250	Unknown		
61255	CLUSTER	YES	182766.7		20.03	19.82	39.85	49820	Valve	6922.42	Valve	13730.71	36	0.312	52	0.23	0.07	16.68	2.52	6:34	335	911	656	649	0.51	1.06							1250	Unknown		
61267	CLUSTER	YES	182768.3		21.58	18.27	39.85	49820	Valve	6923.97	Valve	13729.16	36	0.312	52	0.23	0.07	1.56	0.44	6:37	335	1059	762	649	0.44	1.18							1250	Unknown		
61269	GirthWeld		182786.5		39.85	39.78	39.78	49830	Valve	6942.24	Valve	13710.89	36	0.312	52					0.399306	335			649									1250	Unknown		
61271	CLUSTER	YES	182796		9.52	30.26	39.78	49830	Valve	6951.76	Valve	13701.37	36	0.312	52	0.22	0.07	13.15	4.87	0.236806	335	929	669	649	0.50	1.09							1250	Unknown		
61283	MELO-CORR	YES	182803.7		17.16	22.62	39.78	49830	Valve	6959.4	Valve	13693.73	36	0.312	52	0.2	0.06	1.18	0.20	0.297222	335	1067	768	649	0.44	1.18							1598	Metal Loss		
61285	CLUSTER	YES	182807.5		21.01	18.77	39.78	49830	Valve	6963.25	Valve	13689.88	36	0.312	52	0.15	0.05	5.59	0.76	6:00	335	1016	732	649	0.46	1.13							1250	Unknown		
61289	CLUSTER	YES	182808.1		21.58	18.2	39.78	49830	Valve	6963.82	Valve	13689.31	36	0.312	52	0.35	0.11	21.94	2.89	5:54	335	807	581	649	0.58	1.04							1250	Unknown		
61301	CLUSTER	YES	182813.2		26.65	13.13	39.78	49830	Valve	6968.89	Valve	13684.24	36	0.312	52	0.15	0.05	17.09	4.02	0.243056	335	970	698	649	0.48	1.09							1250	Unknown		
61311	MELO-CORR	YES	182820		33.45	6.34	39.78	49830	Valve	6975.69	Valve	13677.44	36	0.312	52	0.16	0.05	1.18	0.24	0.249306	335	1069	769	649	0.44	1.19							1598	Metal Loss		
61313	CLUSTER	YES	182820.5		33.96	5.82	39.78	49830	Valve	6976.2	Valve	13676.93	36	0.312	52	0.21	0.07	13.26	1.45	0.248611	335	936	674	649	0.50	1.08							1250	Unknown		
61319	CLUSTER	YES	182822.2		35.71	4.07	39.78	49830	Valve	6977.95	Valve	13675.18	36	0.312	52	0.15	0.05	3.12	0.79	5:59	335	1045	753	649	0.45	1.16							1250	Unknown		
61322	CLUSTER	YES	182824.4		37.89	1.89	39.78	49830	Valve	6980.13	Valve	13673	36	0.312	52	0.15	0.05	5.17	1.32	5:54	335	1021	735	649	0.46	1.14							1250	Unknown		
61327	GirthWeld		182826.3		39.78	39.86	39.86	49840	Valve	6982.02	Valve	13671.11	36	0.312	52					0.043056	335			649									1250	Unknown		
61328	MELO-CORR	YES	182829.2		2.85	37.01	39.86	49840	Valve	6984.87	Valve	13668.26	36	0.312	52	0.15	0.05	1.18	0.20	0.254861	335	1069	770	649	0.44	1.19							1598	Metal Loss		
61329	MELO-CORR	YES	182833.4		7.14	32.72	39.86	49840	Valve	6989.16	Valve	13663.97	36	0.312	52	0.18	0.06	1.18	0.20	0.245833	335	1068	769	649	0.44	1.18							1598	Metal Loss		
61330	MELO-CORR	YES	182852.9		26.61	13.25	39.86	49840	Valve	7008.63	Valve	13644.5	36	0.312	52	0.19	0.06	1.58	0.20	5:53	335	1062	765	649	0.44	1.18							1598	Metal Loss		
61331	GirthWeld		182866.2		39.86	39.48	39.48	49850	Valve	7021.88	Valve	13631.25	36	0.312	52					10:52	335			649									1250	Unknown		
61332	GirthWeld		182905.6		39.48	33.03	33.03	49860	Valve	7061.36	Valve	13591.77	36	0.312	52					0.530556	335			649									1250	Unknown		
61333	GirthWeld		182938.7		33.03	39.84	39.84	49870	Valve	7094.39	Valve	13558.74	36	0.312	52					0.465278	335			649									1250	Unknown		
61334	GirthWeld		182978.5		39.84	38.64	38.64	49880	Valve	7134.23	Valve	13518.9	36	0.312	52					0.534722	335			649									1250	Unknown		
61335	GirthWeld		183017.2		38.64	39.41	39.41	49890	Valve	7172.87	Valve	13480.26	36	0.312	52					11:18	335			649									1250	Unknown		
61336	GirthWeld		183056.6		39.41	39.79	39.78	49900	Valve	7212.28	Valve	13440.85	36	0.312	52					12:40	335			649									1250	Unknown		
61337	GirthWeld		183096.4		39.79	39.81	39.81	49910	Valve	7252.07	Valve	13401.06	36	0.312	52					0.461111	335			649									1250	Unknown		
61338	GirthWeld		183136.2		39.81	39.86	39.86	49920	Valve	7291.88	Valve	13361.25	36	0.312	52					0.538889	335			649									1250	Unknown		
61339	GirthWeld		183176		39.86	39.79	39.78	49930	Valve	7331.74	Valve	13321.39	36	0.312	52					0.473611	335			649									1250	Unknown		
61340	GirthWeld		183215.8		39.79	39.18	39.18	49940	Valve	7371.53	Valve	13281.6	36	0.312	52					12:08	335			649									1250	Unknown		
61341	GirthWeld		183255		39.18	39.81	39.81	49950	Valve	7410.71	Valve	13242.42	36	0.312	52					11:08	335			649									1250	Unknown		
61342	GirthWeld		183294.8		39.81	39.89	39.89	49960	Valve	7450.52	Valve	13202.61	36	0.312	52					0.054167	335			649									1250	Unknown		
61343	GirthWeld		183334.7		39.89	36.13	36.13	49970	Valve	7490.41	Valve	13162.72	36	0.312	52					0.475	335			649									1250	Unknown		
61344	GirthWeld		183370.8		36.13	39.81	39.81	49980	Valve	7526.54	Valve	13126.59	36	0.312	52					0.052778	335			649									1250	Unknown		
61345	GirthWeld		183410.6		39.81	39.79	39.8	49990	Valve	7566.35	Valve	13086.78	36	0.312	52					11:30	335			649

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
61370	CLUSTER	YES	183850.8		28.4	11.77	40.16	50100	Valve	8006.48	Valve	12646.65	36	0.312	52	0.15	0.05	30.29	8.29	5:34	335	958	690	649	0.49	1.07							1250	Unknown		
61397	MELO-CORR	YES	183853.5		31.1	9.07	40.16	50100	Valve	8009.18	Valve	12643.95	36	0.312	52	0.15	0.05	1.10	0.47	6:23	335	1070	770	649	0.43	1.19							1598	Metal Loss		
61398	MELO-CORR	YES	183853.9		31.56	8.6	40.16	50100	Valve	8009.64	Valve	12643.49	36	0.312	52	0.16	0.05	1.10	0.20	0.266667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
61399	MELO-CORR	YES	183854.2		31.81	8.35	40.16	50100	Valve	8009.89	Valve	12643.24	36	0.312	52	0.18	0.06	1.14	0.24	0.269444	335	1068	769	649	0.44	1.19							1598	Metal Loss		
61401	CLUSTER	YES	183856.7		34.34	5.83	40.16	50100	Valve	8012.42	Valve	12640.71	36	0.312	52	0.18	0.06	9.71	3.83	0.238194	335	971	699	649	0.48	1.08							1250	Unknown		
61411	CLUSTER	YES	183858.1		35.73	4.43	40.16	50100	Valve	8013.81	Valve	12639.32	36	0.312	52	0.16	0.05	6.23	1.70	5:57	335	1006	724	649	0.46	1.12							1250	Unknown		
61418	CLUSTER	YES	183859.1		36.76	3.41	40.16	50100	Valve	8014.83	Valve	12638.3	36	0.312	52	0.16	0.05	7.80	3.87	5:44	335	994	716	649	0.47	1.10							1250	Unknown		
61427	CLUSTER	YES	183861.7		39.3	0.86	40.16	50100	Valve	8017.38	Valve	12635.75	36	0.312	52	0.15	0.05	9.32	3.33	0.259722	335	991	713	649	0.47	1.11							1250	Unknown		
61429	CLUSTER	YES	183861.9		39.51	0.66	40.16	50100	Valve	8017.59	Valve	12635.54	36	0.312	52	0.15	0.05	1.80	2.29	0.239583	335	1062	765	649	0.44	1.18							1250	Unknown		
61436	GirthWeld		183862.5		40.17	39.83	39.83	50110	Valve	8018.24	Valve	12634.89	36	0.312	52					0.48125	335			649									1250	Unknown		
61438	CLUSTER	YES	183864.9		2.33	37.51	39.83	50110	Valve	8020.57	Valve	12632.56	36	0.312	52	0.2	0.06	12.22	0.72	5:45	335	946	681	649	0.49	1.09							1250	Unknown		
61444	CLUSTER	YES	183888.2		25.69	14.14	39.83	50110	Valve	8043.93	Valve	12609.2	36	0.312	52	0.21	0.07	7.22	0.94	6:30	335	972	699	649	0.48	1.09							1250	Unknown		
61449	CLUSTER	YES	183889.5		26.93	12.9	39.83	50110	Valve	8045.17	Valve	12607.96	36	0.312	52	0.23	0.07	3.17	0.47	0.272222	335	1026	738	649	0.45	1.14							1250	Unknown		
61452	CLUSTER	YES	183892.6		30.04	9.8	39.83	50110	Valve	8048.28	Valve	12604.85	36	0.312	52	0.23	0.07	11.02	1.07	0.269444	335	932	671	649	0.50	1.10							1250	Unknown		
61457	CLUSTER	YES	183893.3		30.81	9.02	39.83	50110	Valve	8049.05	Valve	12604.08	36	0.312	52	0.17	0.05	6.01	0.57	0.235417	335	1003	722	649	0.46	1.12							1250	Unknown		
61459	MELO-CORR	YES	183894.4		31.83	8	39.83	50110	Valve	8050.07	Valve	12603.06	36	0.312	52	0.22	0.07	1.18	0.16	6:36	335	1066	767	649	0.44	1.18							1598	Metal Loss		
61461	CLUSTER	YES	183894.5		31.95	7.89	39.83	50110	Valve	8050.19	Valve	12602.94	36	0.312	52	0.19	0.06	5.45	0.63	5:31	335	1001	721	649	0.46	1.12							1250	Unknown		
61465	CLUSTER	YES	183894.9		32.36	7.48	39.83	50110	Valve	8050.6	Valve	12602.53	36	0.312	52	0.19	0.06	9.49	1.98	0.275	335	966	695	649	0.48	1.09							1250	Unknown		
61472	CLUSTER	YES	183897.2		34.65	5.19	39.83	50110	Valve	8052.89	Valve	12600.24	36	0.312	52	0.27	0.08	12.06	3.05	0.272917	335	899	647	649	0.52	1.05							1250	Unknown		
61477	MELO-CORR	YES	183897.7		35.16	4.67	39.83	50110	Valve	8053.4	Valve	12599.73	36	0.312	52	0.2	0.06	1.14	0.20	0.254167	335	1067	768	649	0.44	1.18							1598	Metal Loss		
61481	CLUSTER	YES	183897.8		35.26	4.58	39.83	50110	Valve	8053.5	Valve	12599.63	36	0.312	52	0.15	0.05	1.70	0.88	5:28	335	1064	766	649	0.44	1.18							1250	Unknown		
61484	CLUSTER	YES	183898.8		36.3	3.54	39.83	50110	Valve	8054.54	Valve	12598.6	36	0.312	52	0.19	0.06	8.28	0.85	6:04	335	974	701	649	0.48	1.11							1250	Unknown		
61488	GirthWeld		183902.4		39.84	39.74	39.74	50120	Valve	8058.08	Valve	12595.05	36	0.312	52					0.111111	335			649									1250	Unknown		
61490	CLUSTER	YES	183926.7		24.37	15.37	39.74	50120	Valve	8082.45	Valve	12570.68	36	0.312	52	0.17	0.05	5.70	2.61	0.245833	335	1006	725	649	0.46	1.13							1250	Unknown		
61493	GirthWeld		183942.1		39.74	39.31	39.31	50130	Valve	8097.82	Valve	12555.31	36	0.312	52					0.381944	335			649									1250	Unknown		
61494	GirthWeld		183981.4		39.31	39.73	39.73	50140	Valve	8137.13	Valve	12516	36	0.312	52					12:58	335			649									1250	Unknown		
61495	GirthWeld		184021.1		39.73	39.83	39.83	50150	Valve	8176.86	Valve	12476.27	36	0.312	52					11:06	335			649									1250	Unknown		
61496	GirthWeld		184061		39.83	38.58	38.58	50160	Valve	8216.69	Valve	12436.44	36	0.312	52					0.5	335			649									1250	Unknown		
61497	GirthWeld		184099.6		38.58	39.91	39.92	50170	Valve	8255.27	Valve	12397.86	36	0.312	52					0.394444	335			649									1250	Unknown		
61498	GirthWeld		184139.5		39.91	39.2	39.2	50180	Valve	8295.18	Valve	12357.95	36	0.312	52					0.141667	335			649									1250	Unknown		
61499	GirthWeld		184178.7		39.2	39.02	39.02	50190	Valve	8334.38	Valve	12318.75	36	0.312	52					11:34	335			649									1250	Unknown		
61500	GirthWeld		184217.7		39.02	39.82	39.82	50200	Valve	8373.4	Valve	12279.73	36	0.312	52					12:56	335			649									1250	Unknown		
61501	GirthWeld		184257.5		39.82	39.74	39.73	50210	Valve	8413.21	Valve	12239.92	36	0.312	52					0.476389	335			649									1250	Unknown		
61502	GirthWeld		184297.2		39.73	39.8	39.8	50220	Valve	8452.95	Valve	12200.18	36	0.312	52					0.540278	335			649									1250	Unknown		
61503	GirthWeld		184337		39.8	35.26	35.26	50230	Valve	8492.75	Valve	12160.38	36	0.312	52					0.480556	335			649									1250	Unknown		
61504	GirthWeld		184372.3		35.26	39.48	39.48	50240	Valve	8528.01	Valve	12125.13	36	0.312	52					1:20	335			649									1250	Unknown		
61505	GirthWeld		184411.8		39.47	39.72	39.71	50250	Valve	8567.48	Valve	12085.65	36	0.312	52					11:08	335			649									1250	Unknown		
61506	GirthWeld		184451.5		39.71	39.45	39.45	50260	Valve	8607.2	Valve	12045.93	36	0.312	52					0.048611	335			649									1250	Unknown		
61507	GirthWeld		184490.9		39.44	39.83	39.83	50270	Valve	8646.64	Valve	12006.49	36	0.312	52					0.477778	335			649									1250	Unknown		
61508	GirthWeld		184530.8		39.83	39.19	39.19	50280	Valve	8686.47	Valve	11966.66	36	0.312	52					0.051389	335			649									1250	Unknown		
61509	GirthWeld		184569.9		39.19	39.8	39.8	50290	Valve	8725.66	Valve	11927.47	36	0.312	52					11:30	335			649									1250	Unknown		
61510	GirthWeld		184609.7		39.8	37.9	37.89	50300	Valve	8765.46	Valve	11887.67	36	0.312	52					12:56	335			649									1250	Unknown		
61511	GirthWeld		184647.6		37.9	39.25	39.25	50310	Valve	8803.36	Valve	11849.77	36	0.312	52					0.480556	335			649									1250	Unknown		
61512	GirthWeld		184686.9		39.24	39.89	39.9	50320	Valve	8842.61	Valve	11810.52	36	0.312	52					0.043056	335			649									1250	Unknown		
61513	GirthWeld		184726.8		39.89	39.79	39.78	50330	Valve	8882.5	Valve	11770.63	36	0.312	52					0.479167	335			649									1250	Unknown		
61514	GirthWeld		184766.6		39.79	39.89	39.89	50340	Valve	8922.29	Valve	11730.84	36	0.312	52					1:10	335			649									1250	Unknown		
61515	GirthWeld		184806.5		39.89	39.26	39.26	50350	Valve	8962.18	Valve	11690.95	36	0.312	52					11:06	335			649									1250	Unknown		
61516	GirthWeld		184845.7		39.26	39.06	39.06	50360	Valve	9001.44	Valve	11651.69	36	0.312	52					0.043056	335			649									1250	Unknown		
61517	GirthWeld		184884.8		39.06	39.8	39.81	50370	Valve	9040.5	Valve	11612.63	36	0.312	52					0.472917	335			649									1250	Unknown		
61518	GirthWeld		184924.6		39.8	39.18	39.17	50380	Valve	9080.3	Valve	11572.83	36	0.312	52					0.540278	335			649									1250	Unknown		
61519	GirthWeld		184963.8		39.18	39.8	39.81	50390	Valve	9119.48	Valve	11533.65	36	0.312	52					11:16	335			649									1250	Unknown		
61520	GirthWeld		185003.6		39.8	39.39	39.38	50400	Valve	9159.28	Valve	11493.85	36	0.312	52					1:14	335			649									1250	Unknown		
61521	GirthWeld		185043		39.39	39.82	39.82	50410	Valve	9198.67	Valve	11454.46	36	0.312	52					0.465278	335			649									1250	Unknown		
61522	GirthWeld		185082.8		39.81	38.82	38.82	50420	Valve	9238.48	Valve	11414.65	36	0.312	52					0.538889	335			649									1250	Unknown		
61523	GirthWeld		185121.6		38.82	37.63	37.63	50430	Valve	9277.3	Valve	11375.83	36	0.312	52					0.473611	335			649									1250	Unknown		
61524	GirthWeld		185159.2		37.63	39.85	39.85	50440	Valve	9314.93	Valve	11338.2	36	0.312	52					1:14	335			649									1250	Unknown		
61525	GirthWeld		185199.1		39.85	39.81	39.81	50450	Valve	9354.78	Valve	11298.35	36	0.312	52					11:26	335			649									1250	Unknown		
61526	GirthWeld		185238.9		39.81	39.78	39.77	50460	Valve	9394.59	Valve	11258.54	36	0.312	52					0.047222	335			649									1250	Unknown		
61527	GirthWeld		185278.7		39.78	39.1	39.1	50470	Valve	9434.37	Valve	11218.76	36	0.312	52					0.470833	335			649									1250	Unknown		
61528	GirthWeld		185317.8		39.1	39.33	39.33	50480	Valve	9473.47	Valve	11179.66	36	0.312	52					0.051389	335			649									1250	Unknown		
61529	GirthWeld		185357.1		39.33	39.71	39.71	50490	Valve	9512.8	Valve	11140.33	36	0.312	52					12:00	335			649									1250	Unknown		
61530	MELO-CORR	YES	185384.6		27.52	12.19	39.71	50490	Valve	9540.32	Valve	11112.81	36	0.312	52	0.18	0.06	1.18	0.16	5:58	335	1068	769	649	0.44	1.18							1598	Metal Loss		
61531	GirthWeld		185396.8		39.71	39.99	39.99	50500	Valve	9552.51	Valve	11100.62	36	0.312	52					0.5375	335			649									1250	Unknown		
61533	CLUSTER	YES	185401.8		5.04	34.95	39.99	50500	Valve	9557.55	Valve	11095.58	36	0.312	52	0.18	0.06	5.34	0.63	0.248611	335	1006	724	649	0.46	1.12							1250	Unknown		
61536	CLUSTER	YES	185420.3		23.54	16.45	39.99	50500	Valve	9576.05	Valve	11077.08	36	0.312	52	0.17	0.05	1.36	0.91	0.264583	335	1066	768	649	0.44	1.18							1250	Unknown		
61538	MELO-CORR	YES	185425		28.19	11.8	39.99	50500	Valve	9580.7	Valve	11072.43	36	0.312	52	0.21	0.07	1.18	0.20	6:04	335	1066	768	649	0.44	1.18							1598	Metal Loss		
61540	CLUSTER	YES	185426.2		29.4	10.59	39.99	50500	Valve	9581.91	Valve	11071.22	36	0.312	52	0.15	0.05	10.69	0.76	6:00	335	985	709	649	0.47	1.10							1250	Unknown		
61546	CLUSTER	YES	185429.1		32.28	7.71	39.99	50500	Valve	9584.79	Valve	11068.34	36	0.312	52	0.15	0.05	9.26	0.88	0.25	335	991	714	649	0.47	1.11							1250	Unknown		
61551	CLUSTER	YES	185430.4		33.58	6.41	39.99	50500	Valve	9586.09	Valve	11067.04	36	0.312	52	0.15	0.05	17.33	1.10	0.25	335	969	698	649	0.48	1.09							1250	Unknown		
61560	CLUSTER	YES	185432.6		35.8	4.19	39.99	50500	Valve	9588.31	Valve	11064.82	36	0.312	52	0.15	0.05	21.36	2.04	0.245833	335	965	694	649	0.48	1.08							1250	Unknown		
61569	CLUSTER	YES	185434.7		37.9	2.09	39.99	50500	Valve	9590.41	Valve	11062.72	36	0.312	52	0.15	0.05	4.76	0.32	6:00	335	1025	738	649	0.45	1.14							1250	Unknown		
61571	GirthWeld		185436.8		39.99	39.41	39.41	50510	Valve	9592.5	Valve	11060.63	36	0.312	52					11:37	335			649									1250	Unknown		
61573	CLUSTER	YES	185437.1		0.3	39.11	39.41	50510	Valve	9592.8	Valve	11060.33	36	0.312	52	0.18	0.06	20.81	1.95	0.247222	335	942	679	649	0.49	1.06							1250	Unknown		
61586	CLUSTER	YES	185439.5		2.7	36.72	39.41	50510	Valve	9595.2	Valve	11057.93	36	0.312	52	0.15	0.05	13.85	4.24	0.236806	335	976	702	649	0.48	1.09							1250	Unknown		
61595	CLUSTER	YES	185440.8		4.01	35.4	39.41	50510	Valve	9596.51	Valve	11056.62	36	0.312	52	0.15	0.05	22.74	1.79	0.249306	335	963	694	649	0.48	1.08							1250	Unknown		
61606	CLUSTER	YES	185452.4		15.64	23.77	39.41	50510	Valve	9608.14	Valve	11044.99	36	0.312	52	0.22	0.07	4.60	1.54	5:58	335	1001	720	649	0.46	1.14							1250	Unknown		
61610	CLUSTER	YES	185453.5		16.76	22.65	39.41	50510	Valve	9609.26	Valve	11043.87	36	0.312	52	0.28	0.09	4.60	1.82	5:59	335	977	703	649	0.48	1.12							1250	Unknown		
61615	CLUSTER	YES	185454.6		17.8	21.61	39.41	50510	Valve	9610.3	Valve	11042.83	36	0.312	52	0.22	0.07	6.12	2.52	0.246528	335	979	705	649	0.48	1.10							1250	Unknown		
61620	CLUSTER	YES	185455.2		18.43	20.98	39.41	50510	Valve	9610.93	Valve	11042.2	36	0.312	52	0.16	0.05	5.12	0.85	0.246528	335	1017	732	649	0.46	1.13							1250	Unknown		
61623	CLUSTER	YES	185455.7		18.96	20.45	39.41	50510	Valve	9611.46	Valve	11041.67	36	0.312	52	0.23	0.07	3.04	1.67	0.249306	335	1028	740	649	0.45	1.16							1250	Unknown		
61627	CLUSTER	YES	185458.7		21.95	17.46	39.41	50510	Valve	9614.45	Valve	11038.68	36	0.312	52	0.24	0.08	7.58	2.29	5:55	335	951	685	649	0.49	1.08							1250	Unknown		
61633	CLUSTER	YES	185459.7		22.89	16.53	39.41	50510	Valve	9615.39	Valve	11037.74	36	0.312	52	0.28	0.09	4.70	1.01	5:57	335	975	702	649	0.48	1.13							1250	Unknown		
61636	MELO-CORR	YES	185460.2		23.37	16.04	39.41	50510	Valve	9615.87	Valve	11037.26	36	0.312	52	0.15	0.05	2.79	0.51	0.247917	335	1049	756	649	0.44	1.16							1598	Metal Loss		
61637	MELO-CORR	YES	185462.8		25.99	13.43	39.41	50510	Valve	9618.49	Valve	11034.64	36	0.312	52	0.25	0.08	1.14	0.51	0.247917	335	1065	767	649	0.44	1.18							1598	Metal Loss		
61639	CLUSTER	YES	185463.1		26.33	13.08	39.41	50510	Valve	9618.83	Valve	11034.3	36	0.312	52	0.32	0.10	17.00	1.32	0.247222	335	842	606	649	0.55	1.05							1250	Unknown		
61647	CLUSTER	YES	185467.2		30.4	9.01	39.41	50510	Valve	9622.9	Valve	11030.23	36	0.312	52	0.19	0.06	19.39	1.82	5:58	335	937	674	649	0.50	1.06							1250	Unknown		
61662	CLUSTER	YES	185469.2		32.4	7.01	39.41	50510	Valve	9624.9	Valve	11028.23	36	0.312	52	0.34	0.11	4.32	0.69	6:05	335	958	690	649	0.49	1.08							1250	Unknown		
61664	MELO-CORR	YES	185469.9		33.14	6.28	39.41	50510	Valve	9625.64	Valve	11027.49	36	0.312	52	0.18	0.06	3.70	0.59	0.246528	335	1029	741	649	0.45	1.14							1598	Metal Loss		
61665	MELO-CORR	YES	185471.3		34.53	4.88	39.41	50510	Valve	9627.03	Valve	11026.1	36	0.312	52	0.25	0.08	1.18	0.20	0.255556	335	1064	766	649	0.44	1.18							1598	Metal Loss		
61667	CLUSTER	YES	185471.7		34.89	4.52	39.41	50510	Valve	9627.39	Valve	11025.74	36	0.312	52	0.36	0.11	45.94	3.96	0.243056	335	771	555	649	0.60	0.99							1250	Unknown		
61703	GirthWeld		185476.2		39.41	39.88	39.88	50520	Valve	9631.91	Valve	11021.22	36	0.312	52					1:12	335			649									1250	Unknown		
61705	CLUSTER	YES	185476.3		0.14	39.74	39.88	50520	Valve	9632.05	Valve	11021.08	36	0.312	52	0.32	0.10	10.16	2.99	5:53	335	876	631	649	0.53	1.06							1250	Unknown		
61709	MELO-CORR	YES	185477.3		1.12	38.76	39.88	50520	Valve	9633.03	Valve	11020.1	36	0.312	52	0.2	0.06	1.34	0.39	0.252083	335	1065	767	649	0.44	1.18							1598	Metal Loss		
61711	CLUSTER	YES	185478.6		2.39	37.49	39.88	50520	Valve	9634.3	Valve	11018.83	36	0.312	52	0.18	0.06	11.65	2.55	0.245139	335	962	693	649	0.48	1.08							1250	Unknown		
61719	CLUSTER	YES	185479.9		3.72	36.16	39.88	50520	Valve	9635.63	Valve	11017.5	36	0.312	52	0.15	0.05	7.49	1.51	0.248611	335	1001	721	649	0.46	1.12							1250	Unknown		
61722	CLUSTER	YES	185481		4.76	35.12	39.88	50520	Valve	9636.67	Valve	11016.46	36	0.312	52	0.2	0.06	12.36	2.89	5:53	335	946	681	649	0.49	1.10							1250	Unknown		
61730	CLUSTER	YES	185485.3		9.15	30.73	39.88	50520	Valve	9641.06	Valve	11012.07	36	0.312	52	0.16	0.05	5.98	0.85	6:02	335	1008	726	649	0.46	1.12							1250	Unknown		
61735	CLUSTER	YES	185486.2		10.04	29.84	39.88	50520	Valve	9641.95	Valve	11011.18	36	0.312	52	0.23	0.07	13.12	2.39	0.25	335	922	664	649	0.50	1.09							1250	Unknown		
61746	CLUSTER	YES	185487.5		11.26	28.62	39.88	50520	Valve	9643.17	Valve	11009.96	36	0.312	52	0.18	0.06	5.22	0.88	0.247917	335	1008	725	649	0.46	1.14							1250	Unknown		
61749	CLUSTER	YES	185488.6		12.39	27.49	39.88	50520	Valve	9644.3	Valve	11008.83	36	0.312	52	0.15	0.05	5.99	1.04	0.25	335	1013	729	649	0.46	1.13							1250	Unknown		
61752	CLUSTER	YES	185490.1		13.93	25.96	39.88	50520	Valve	9645.84	Valve	11007.29	36	0.312	52	0.24	0.08	4.33	0.63	5:58	335	998	719	649	0.47	1.13							1250	Unknown		
61755	CLUSTER	YES	185490.9		14.7	25.18	39.88	50520	Valve	9646.61	Valve	11006.52	36	0.312	52	0.2	0.06	9.89	1.67	5:58	335	957	689	649	0.49	1.08							1250	Unknown		
61764	CLUSTER	YES	185492.2		16.01	23.88	39.88	50520	Valve	9647.92	Valve	11005.21	36	0.312	52	0.26	0.08	13.57	1.64	0.248611	335	899	647	649	0.52	1.09							1250	Unknown		
61773	CLUSTER	YES	185493.5		17.33	22.55	39.88	50520	Valve	9649.24	Valve	11003.89	36	0.312	52	0.18	0.06	5.20	0.63	0.252778	335	1008	726	649	0.46	1.13							1250	Unknown		
61777	CLUSTER	YES	185495.8		19.64	20.24	39.88	50520	Valve	9651.55	Valve	11001.58	36	0.312	52	0.25	0.08	6.17	0.72	0.248611	335	963	693	649	0.48	1.08							1250	Unknown		
61781	MELO-CORR	YES	185496.6		20.4	19.49

Reported Feature Reference												Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)										Modified B31.G		Design	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}	Pressure (72% SMYS)	MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
61824	GirthWeld		185713.6		39.77	39.67	39.67	50580	Valve	9869.29	Valve	10783.85	36	0.312	52					1:14	335			649									1250	Unknown		
61825	GirthWeld		185753.2		39.66	39.84	39.84	50590	Valve	9908.95	Valve	10744.18	36	0.312	52					11:44	335			649									1250	Unknown		
61827	CLUSTER	YES	185778.7		25.47	14.37	39.84	50590	Valve	9934.42	Valve	10718.71	36	0.312	52	0.15	0.05	7.16	1.67	0.246528	335	1003	722	649	0.46	1.12							1250	Unknown		
61831	GirthWeld		185793.1		39.84	39.85	39.85	50600	Valve	9948.79	Valve	10704.34	36	0.312	52					0.527778	335			649									1250	Unknown		
61833	CLUSTER	YES	185793.6		0.51	39.33	39.85	50600	Valve	9949.3	Valve	10703.83	36	0.312	52	0.15	0.05	7.28	0.66	0.248611	335	1003	722	649	0.46	1.12							1250	Unknown		
61837	CLUSTER	YES	185794.4		1.27	38.57	39.85	50600	Valve	9950.07	Valve	10703.07	36	0.312	52	0.15	0.05	4.51	0.57	5:54	335	1027	740	649	0.45	1.14							1250	Unknown		
61841	CLUSTER	YES	185803		9.9	29.95	39.85	50600	Valve	9958.69	Valve	10694.44	36	0.312	52	0.19	0.06	39.31	4.68	5:43	335	920	663	649	0.51	1.05							1250	Unknown		
61869	CLUSTER	YES	185806.3		13.24	26.6	39.85	50600	Valve	9962.04	Valve	10691.1	36	0.312	52	0.18	0.06	6.56	4.71	0.240972	335	993	715	649	0.47	1.10							1250	Unknown		
61878	MELO-CORR	YES	185807		13.88	25.96	39.85	50600	Valve	9962.67	Valve	10690.46	36	0.312	52	0.22	0.07	1.38	0.20	0.247222	335	1063	765	649	0.44	1.18							1598	Metal Loss		
61880	CLUSTER	YES	185807.2		14.16	25.69	39.85	50600	Valve	9962.95	Valve	10690.18	36	0.312	52	0.23	0.07	11.12	3.21	0.243056	335	931	670	649	0.50	1.09							1250	Unknown		
61889	CLUSTER	YES	185808.6		15.55	24.3	39.85	50600	Valve	9964.34	Valve	10688.79	36	0.312	52	0.19	0.06	7.84	2.23	5:56	335	977	703	649	0.48	1.10							1250	Unknown		
61893	CLUSTER	YES	185809.4		16.32	23.52	39.85	50600	Valve	9965.11	Valve	10688.02	36	0.312	52	0.17	0.05	8.63	3.27	5:51	335	983	708	649	0.47	1.11							1250	Unknown		
61900	CLUSTER	YES	185810.7		17.66	22.18	39.85	50600	Valve	9966.45	Valve	10686.68	36	0.312	52	0.16	0.05	7.32	0.57	0.245139	335	997	718	649	0.47	1.12							1250	Unknown		
61904	CLUSTER	YES	185811.4		18.37	21.47	39.85	50600	Valve	9967.16	Valve	10685.97	36	0.312	52	0.15	0.05	1.31	0.47	0.24375	335	1068	769	649	0.44	1.18							1250	Unknown		
61907	CLUSTER	YES	185812.4		19.32	20.52	39.85	50600	Valve	9968.11	Valve	10685.02	36	0.312	52	0.15	0.05	7.22	2.29	0.245833	335	1003	722	649	0.46	1.12							1250	Unknown		
61913	CLUSTER	YES	185814		20.89	18.95	39.85	50600	Valve	9969.68	Valve	10683.45	36	0.312	52	0.15	0.05	2.64	1.26	5:57	335	1052	757	649	0.44	1.17							1250	Unknown		
61916	CLUSTER	YES	185815.4		22.32	17.52	39.85	50600	Valve	9971.11	Valve	10682.02	36	0.312	52	0.24	0.08	13.82	2.45	5:52	335	912	657	649	0.51	1.08							1250	Unknown		
61925	CLUSTER	YES	185818.1		25.06	14.79	39.85	50600	Valve	9973.85	Valve	10679.28	36	0.312	52	0.25	0.08	2.87	1.35	0.249306	335	1027	739	649	0.45	1.16							1250	Unknown		
61928	CLUSTER	YES	185818.5		25.4	14.44	39.85	50600	Valve	9974.19	Valve	10678.94	36	0.312	52	0.16	0.05	5.44	0.91	0.251389	335	1014	730	649	0.46	1.13							1250	Unknown		
61931	CLUSTER	YES	185820.9		27.85	12	39.85	50600	Valve	9976.64	Valve	10676.49	36	0.312	52	0.16	0.05	4.12	2.55	0.239583	335	1029	741	649	0.45	1.14							1250	Unknown		
61936	CLUSTER	YES	185821.6		28.56	11.29	39.85	50600	Valve	9977.35	Valve	10675.78	36	0.312	52	0.15	0.05	15.77	2.61	5:48	335	972	700	649	0.48	1.09							1250	Unknown		
61944	CLUSTER	YES	185823.6		30.51	9.33	39.85	50600	Valve	9979.3	Valve	10673.83	36	0.312	52	0.15	0.05	10.44	1.35	6:01	335	986	710	649	0.47	1.10							1250	Unknown		
61951	CLUSTER	YES	185825.7		32.64	7.2	39.85	50600	Valve	9981.43	Valve	10671.7	36	0.312	52	0.18	0.06	22.82	2.33	0.247222	335	940	677	649	0.49	1.07							1250	Unknown		
61965	CLUSTER	YES	185828.8		35.71	4.13	39.85	50600	Valve	9984.5	Valve	10668.63	36	0.312	52	0.15	0.05	6.26	1.82	0.246528	335	1010	727	649	0.46	1.13							1250	Unknown		
61970	CLUSTER	YES	185831.2		38.1	1.74	39.85	50600	Valve	9986.89	Valve	10666.24	36	0.312	52	0.19	0.06	6.76	0.60	0.254167	335	986	710	649	0.47	1.10							1250	Unknown		
61973	GirthWeld		185832.9		39.85	39.76	39.76	50610	Valve	9988.64	Valve	10664.49	36	0.312	52					11:53	335			649									1250	Unknown		
61975	CLUSTER	YES	185838.4		5.52	34.23	39.76	50610	Valve	9994.16	Valve	10658.97	36	0.312	52	0.15	0.05	5.33	1.45	6:32	335	1019	734	649	0.46	1.14							1250	Unknown		
61980	CLUSTER	YES	185866.5		33.55	6.21	39.76	50610	Valve	10022.19	Valve	10630.94	36	0.312	52	0.16	0.05	4.34	0.94	0.236806	335	1026	739	649	0.45	1.14							1250	Unknown		
61984	CLUSTER	YES	185870.3		37.42	2.34	39.76	50610	Valve	10026.06	Valve	10627.07	36	0.312	52	0.15	0.05	11.78	5.28	0.234722	335	981	707	649	0.47	1.10							1250	Unknown		
61991	CLUSTER	YES	185871.6		38.7	1.05	39.76	50610	Valve	10027.34	Valve	10625.79	36	0.312	52	0.24	0.08	10.28	2.20	0.222917	335	929	669	649	0.50	1.10							1250	Unknown		
61997	GirthWeld		185872.7		39.76	39.83	39.83	50620	Valve	10028.4	Valve	10624.73	36	0.312	52					12:43	335			649									1250	Unknown		
61998	MELO-CORR	YES	185874.1		1.4	38.43	39.83	50620	Valve	10029.8	Valve	10623.33	36	0.312	52	0.19	0.06	1.18	0.39	5:54	335	1067	768	649	0.44	1.18							1598	Metal Loss		
62000	CLUSTER	YES	185878		5.27	34.56	39.83	50620	Valve	10033.67	Valve	10619.46	36	0.312	52	0.24	0.08	15.71	4.59	0.236111	335	906	653	649	0.51	1.05							1250	Unknown		
62012	CLUSTER	YES	185879.6		6.93	32.9	39.83	50620	Valve	10035.33	Valve	10617.8	36	0.312	52	0.16	0.05	10.37	3.05	0.241667	335	980	706	649	0.47	1.10							1250	Unknown		
62021	CLUSTER	YES	185880.8		8.08	31.76	39.83	50620	Valve	10036.48	Valve	10616.65	36	0.312	52	0.15	0.05	7.40	2.70	0.247222	335	1002	721	649	0.46	1.12							1250	Unknown		
62027	CLUSTER	YES	185881.5		8.86	30.97	39.83	50620	Valve	10037.26	Valve	10615.87	36	0.312	52	0.25	0.08	11.48	4.05	5:48	335	915	659	649	0.51	1.08							1250	Unknown		
62037	CLUSTER	YES	185882.7		9.98	29.86	39.83	50620	Valve	10038.38	Valve	10614.76	36	0.312	52	0.15	0.05	4.18	3.77	5:49	335	1032	743	649	0.45	1.14							1250	Unknown		
62043	CLUSTER	YES	185883.1		10.44	29.39	39.83	50620	Valve	10038.84	Valve	10614.29	36	0.312	52	0.18	0.06	8.16	1.35	0.247222	335	980	706	649	0.47	1.11							1250	Unknown		
62049	CLUSTER	YES	185883.9		11.21	28.62	39.83	50620	Valve	10039.61	Valve	10613.52	36	0.312	52	0.15	0.05	1.90	0.38	0.248611	335	1061	764	649	0.44	1.18							1250	Unknown		
62052	CLUSTER	YES	185884.2		11.55	28.29	39.83	50620	Valve	10039.95	Valve	10613.18	36	0.312	52	0.21	0.07	13.49	3.30	0.243056	335	935	673	649	0.50	1.09							1250	Unknown		
62061	CLUSTER	YES	185886.9		14.17	25.66	39.83	50620	Valve	10042.57	Valve	10610.56	36	0.312	52	0.15	0.05	10.42	5.00	5:57	335	986	710	649	0.47	1.10							1250	Unknown		
62073	CLUSTER	YES	185887.5		14.8	25.03	39.83	50620	Valve	10043.2	Valve	10609.93	36	0.312	52	0.21	0.07	3.80	0.63	5:41	335	1018	733	649	0.46	1.14							1250	Unknown		
62077	CLUSTER	YES	185887.9		15.23	24.6	39.83	50620	Valve	10043.63	Valve	10609.5	36	0.312	52	0.18	0.06	9.24	2.61	0.233333	335	973	701	649	0.48	1.10							1250	Unknown		
62084	CLUSTER	YES	185890.5		17.8	22.03	39.83	50620	Valve	10046.2	Valve	10606.93	36	0.312	52	0.16	0.05	11.22	2.23	0.261806	335	977	703	649	0.48	1.10							1250	Unknown		
62089	MELO-CORR	YES	185894.9		22.22	17.61	39.83	50620	Valve	10050.62	Valve	10602.51	36	0.312	52	0.15	0.05	1.10	0.24	0.239583	335	1070	770	649	0.43	1.19							1598	Metal Loss		
62090	MELO-CORR	YES	185896.3		23.63	16.2	39.83	50620	Valve	10052.03	Valve	10601.1	36	0.312	52	0.16	0.05	1.14	0.20	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62092	CLUSTER	YES	185896.8		24.08	15.75	39.83	50620	Valve	10052.48	Valve	10600.65	36	0.312	52	0.16	0.05	4.32	2.29	5:56	335	1026	739	649	0.45	1.15							1250	Unknown		
62096	CLUSTER	YES	185904.2		31.56	8.27	39.83	50620	Valve	10059.96	Valve	10593.17	36	0.312	52	0.2	0.06	6.49	0.91	0.236111	335	984	708	649	0.47	1.12							1250	Unknown		
62099	CLUSTER	YES	185904.4		31.71	8.12	39.83	50620	Valve	10060.11	Valve	10593.02	36	0.312	52	0.18	0.06	3.49	0.91	0.265972	335	1032	743	649	0.45	1.15							1250	Unknown		
62104	CLUSTER	YES	185907.1		34.37	5.47	39.83	50620	Valve	10062.77	Valve	10590.36	36	0.312	52	0.17	0.05	4.30	1.32	0.261806	335	1023	737	649	0.45	1.15							1250	Unknown		
62107	GirthWeld		185912.5		39.83	39.42	39.42	50630	Valve	10068.23	Valve	10584.9	36	0.312	52					11:41	335			649									1250	Unknown		
62109	CLUSTER	YES	185914.1		1.54	37.88	39.42	50630	Valve	10069.77	Valve	10583.36	36	0.312	52	0.15	0.05	4.37	1.60	6:34	335	1029	741	649	0.45	1.15							1250	Unknown		
62112	GirthWeld		185951.9		39.42	39.21	39.21	50640	Valve	10107.65	Valve	10545.48	36	0.312	52					0.051389	335			649									1250	Unknown		
62113	GirthWeld		185991.1		39.21	39.79	39.79	50650	Valve	10146.86	Valve	10506.27	36	0.312	52					0.477778	335			649									1250	Unknown		
62114	GirthWeld		186030.9		39.79	39.71	39.71	50660	Valve	10186.65	Valve	10466.48	36	0.312	52					0.041667	335			649									1250	Unknown		
62115	GirthWeld		186070.6		39.71	39.32	39.32	50670	Valve	10226.36	Valve	10426.77	36	0.312	52					11:42	335			649									1250	Unknown		
62116	GirthWeld		186110		39.32	39.79	39.79	50680	Valve	10265.68	Valve	10387.45	36	0.312	52					12:44	335			649									1250	Unknown		
62117	GirthWeld		186149.8		39.79	39.83	39.83	50690	Valve	10305.47	Valve	10347.66	36	0.312	52					0.477778	335			649									1250	Unknown		
62118	GirthWeld		186189.6		39.83	39.82	39.82	50700	Valve	10345.3	Valve	10307.83	36	0.312	52					0.049306	335			649									1250	Unknown		
62120	CLUSTER	YES	186216.3		26.67	13.14	39.82	50700	Valve	10371.97	Valve	10281.16	36	0.312	52	0.15	0.05	3.82	1.32	0.252083	335	1036	746	649	0.45	1.15							1250	Unknown		
62122	MELO-CORR	YES	186228.5		38.96	0.85	39.82	50700	Valve	10384.26	Valve	10268.87	36	0.312	52	0.15	0.05	1.89	0.63	5:55	335	1061	764	649	0.44	1.18							1598	Metal Loss		
62123	GirthWeld		186229.4		39.82	39.83	39.83	50710	Valve	10385.12	Valve	10268.01	36	0.312	52					10:56	335			649									1250	Unknown		
62124	MELO-CORR	YES	186235.3		5.93	33.9	39.83	50710	Valve	10391.05	Valve	10262.08	36	0.312	52	0.15	0.05	1.22	0.20	0.248611	335	1069	769	649	0.44	1.19							1598	Metal Loss		
62125	MELO-CORR	YES	186238.4		9	30.83	39.83	50710	Valve	10394.12	Valve	10259.01	36	0.312	52	0.17	0.05	1.10	0.47	0.258333	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62126	MELO-CORR	YES	186239.2		9.8	30.03	39.83	50710	Valve	10394.92	Valve	10258.21	36	0.312	52	0.17	0.05	1.10	0.35	0.257639	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62127	MELO-CORR	YES	186242.4		13.03	26.8	39.83	50710	Valve	10398.15	Valve	10254.98	36	0.312	52	0.17	0.05	1.22	0.20	5:53	335	1068	769	649	0.44	1.18							1598	Metal Loss		
62129	CLUSTER	YES	186242.9		13.48	26.36	39.83	50710	Valve	10398.6	Valve	10254.54	36	0.312	52	0.21	0.07	4.31	1.76	5:53	335	1010	727	649	0.46	1.14							1250	Unknown		
62133	CLUSTER	YES	186246.5		17.05	22.78	39.83	50710	Valve	10402.17	Valve	10250.96	36	0.312	52	0.15	0.05	3.28	1.20	0.25	335	1043	751	649	0.45	1.16							1250	Unknown		
62136	CLUSTER	YES	186248.1		18.67	21.16	39.83	50710	Valve	10403.79	Valve	10249.34	36	0.312	52	0.17	0.05	1.31	0.97	0.261111	335	1067	768	649	0.44	1.18							1250	Unknown		
62139	CLUSTER	YES	186248.3		18.91	20.92	39.83	50710	Valve	10404.03	Valve	10249.1	36	0.312	52	0.17	0.05	7.57	2.99	0.249306	335	990	713	649	0.47	1.11							1250	Unknown		
62144	CLUSTER	YES	186249.1		19.67	20.16	39.83	50710	Valve	10404.79	Valve	10248.34	36	0.312	52	0.25	0.08	4.69	1.29	5:59	335	987	711	649	0.47	1.11							1250	Unknown		
62148	MELO-CORR	YES	186250.4		20.97	18.86	39.83	50710	Valve	10406.09	Valve	10247.04	36	0.312	52	0.21	0.07	1.14	0.43	6:09	335	1067	768	649	0.44	1.18							1598	Metal Loss		
62150	CLUSTER	YES	186253		23.64	16.19	39.83	50710	Valve	10408.76	Valve	10244.37	36	0.312	52	0.16	0.05	9.61	6.38	0.239583	335	983	708	649	0.47	1.11							1250	Unknown		
62159	CLUSTER	YES	186255.5		26.1	13.73	39.83	50710	Valve	10411.22	Valve	10241.91	36	0.312	52	0.18	0.06	4.91	5.18	0.23125	335	1012	728	649	0.46	1.14							1250	Unknown		
62164	CLUSTER	YES	186256		26.6	13.23	39.83	50710	Valve	10411.72	Valve	10241.41	36	0.312	52	0.17	0.05	5.21	3.08	0.248611	335	1012	729	649	0.46	1.12							1250	Unknown		
62170	CLUSTER	YES	186258.6		29.2	10.64	39.83	50710	Valve	10414.32	Valve	10238.82	36	0.312	52	0.17	0.05	10.79	1.64	6:01	335	972	700	649	0.48	1.09							1250	Unknown		
62175	MELO-CORR	YES	186262		32.59	7.24	39.83	50710	Valve	10417.71	Valve	10235.42	36	0.312	52	0.15	0.05	1.18	0.39	6:28	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62177	CLUSTER	YES	186266.4		36.97	2.86	39.83	50710	Valve	10422.09	Valve	10231.04	36	0.312	52	0.15	0.05	1.98	0.88	0.245139	335	1060	763	649	0.44	1.17							1250	Unknown		
62180	CLUSTER	YES	186266.7		37.29	2.54	39.83	50710	Valve	10422.41	Valve	10230.72	36	0.312	52	0.28	0.09	14.06	3.08	0.245833	335	882	635	649	0.53	1.08							1250	Unknown		
62189	GirthWeld		186269.2		39.83	39.84	39.84	50720	Valve	10424.95	Valve	10228.18	36	0.312	52					0.540278	335			649									1250	Unknown		
62191	CLUSTER	YES	186269.4		0.19	39.64	39.84	50720	Valve	10425.14	Valve	10227.99	36	0.312	52	0.22	0.07	12.70	6.00	5:36	335	931	670	649	0.50	1.09							1250	Unknown		
62203	CLUSTER	YES	186272.4		3.14	36.69	39.84	50720	Valve	10428.09	Valve	10225.04	36	0.312	52	0.19	0.06	17.70	2.96	5:52	335	939	676	649	0.50	1.09							1250	Unknown		
62213	CLUSTER	YES	186274.8		5.58	34.26	39.84	50720	Valve	10430.53	Valve	10222.6	36	0.312	52	0.19	0.06	19.19	2.77	0.248611	335	937	675	649	0.50	1.08							1250	Unknown		
62225	CLUSTER	YES	186276.6		7.36	32.48	39.84	50720	Valve	10432.31	Valve	10220.82	36	0.312	52	0.24	0.08	25.57	3.33	0.244444	335	891	641	649	0.52	1.06							1250	Unknown		
62244	CLUSTER	YES	186278.9		9.64	30.2	39.84	50720	Valve	10434.59	Valve	10218.54	36	0.312	52	0.25	0.08	14.81	2.29	0.247917	335	902	649	649	0.52	1.05							1250	Unknown		
62253	MELO-CORR	YES	186284.5		15.24	24.6	39.84	50720	Valve	10440.19	Valve	10212.94	36	0.312	52	0.17	0.05	2.76	0.71	6:26	335	1046	753	649	0.44	1.16							1598	Metal Loss		
62255	CLUSTER	YES	186288.3		19.11	20.72	39.84	50720	Valve	10444.06	Valve	10209.07	36	0.312	52	0.28	0.09	10.30	1.57	5:58	335	902	650	649	0.52	1.06							1250	Unknown		
62261	CLUSTER	YES	186290		20.78	19.06	39.84	50720	Valve	10445.73	Valve	10207.4	36	0.312	52	0.25	0.08	52.74	4.43	0.245139	335	863	621	649	0.54	1.03							1250	Unknown		
62295	CLUSTER	YES	186294.6		25.4	14.43	39.84	50720	Valve	10450.35	Valve	10202.78	36	0.312	52	0.21	0.07	3.08	2.11	0.247917	335	1032	743	649	0.45	1.16							1250	Unknown		
62298	CLUSTER	YES	186296.1		26.85	12.99	39.84	50720	Valve	10451.8	Valve	10201.33	36	0.312	52	0.17	0.05	5.09	2.42	0.245833	335	1013	730	649	0.46	1.14							1250	Unknown		
62303	CLUSTER	YES	186296.8		27.54	12.3	39.84	50720	Valve	10452.49	Valve	10200.64	36	0.312	52	0.19	0.06	3.64	0.88	6:09	335	1027	740	649	0.45	1.15							1250	Unknown		
62305	MELO-CORR	YES	186297.3		28.06	11.78	39.84	50720	Valve	10453.01	Valve	10200.12	36	0.312	52	0.18	0.06	1.10	0.16	6:10	335	1068	769	649	0.44	1.19							1598	Metal Loss		
62307	CLUSTER	YES	186297.8		28.56	11.28	39.84	50720	Valve	10453.51	Valve	10199.62	36	0.312	52	0.27	0.08	18.22	3.65	0.242361	335	877	632	649	0.53	1.07							1250	Unknown		
62319	CLUSTER	YES	186299.4		30.16	9.67	39.84	50720	Valve	10455.11	Valve	10198.02	36	0.312	52	0.2	0.06	7.79	2.26	0.247917	335	972	700	649	0.48	1.11							1250	Unknown		
62325	CLUSTER	YES	186300.3		31.04	8.8	39.84	50720	Valve	10455.99	Valve	10197.14	36	0.312	52	0.15	0.05	11.51	5.59	0.240972	335	982	707	649	0.47	1.10							1250	Unknown		
62337	CLUSTER	YES	186301.1		31.82	8.01	39.84	50720	Valve	10456.77	Valve	10196.36	36	0.312	52	0.2	0.06	11.39	4.34	5:48	335	950	684	649	0.49	1.10							1250	Unknown		
62347	CLUSTER	YES	186302.6		33.39	6.44	39.84	50720	Valve	10458.35	Valve	10194.79	36	0.312	52	0.28	0.09	17.66	3.30	5:51	335	871	627	649	0.53	1.03							1250	Unknown		
62363	CLUSTER	YES	186304.2		34.95	4.88	39.84	50720	Valve	10459.9	Valve	10193.23	36	0.312	52	0.15	0.05	5.04	1.13	0.254861	335	1022	736	649	0.46	1.14							1250	Unknown		
62366	CLUSTER	YES	186304.8		35.55	4.28	39.84	50720	Valve	10460.51	Valve	10192.63	36	0.312	52	0.2	0.06	3.56	1.38	0.25	335	1025	738

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
62604	CLUSTER	YES	186335.4		26.34	13.53	39.88	50730	Valve	10491.13	Valve	10162	36	0.312	52	0.21	0.07	18.24	4.34	5:54	335	923	665	649	0.50	1.08							1250	Unknown		
62621	CLUSTER	YES	186338.3		29.19	10.69	39.88	50730	Valve	10493.98	Valve	10159.15	36	0.312	52	0.23	0.07	30.59	3.58	5:52	335	894	644	649	0.52	1.06							1250	Unknown		
62643	MELO-CORR	YES	186342.2		33.14	6.74	39.88	50730	Valve	10497.93	Valve	10155.2	36	0.312	52	0.19	0.06	1.10	0.43	0.258333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
62644	GirthWeld		186349		39.88	38.74	38.74	50740	Valve	10504.67	Valve	10148.46	36	0.312	52					0.522222	335			649									1250	Unknown		
62645	MELO-CORR	YES	186360.7		11.75	26.98	38.74	50740	Valve	10516.42	Valve	10136.71	36	0.312	52	0.16	0.05	1.10	0.20	0.245139	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62646	GirthWeld		186387.7		38.73	9.96	9.96	50750	Valve	10543.4	Valve	10109.73	36	0.312	52					11:24	335			649									1250	Unknown		
62647	GirthWeld		186397.7		9.96	29.7	29.7	50760	Valve	10553.37	Valve	10099.76	36	0.312	52					1:28	335			649									1250	Unknown		
62648	GirthWeld		186427.4		29.7	39.35	39.35	50770	Valve	10583.07	Valve	10070.06	36	0.312	52					0.473611	335			649									1250	Unknown		
62649	GirthWeld		186466.7		39.35	39.82	39.83	50780	Valve	10622.42	Valve	10030.71	36	0.312	52					0.533333	335			649									1250	Unknown		
62650	GirthWeld		186506.5		39.82	33.82	33.81	50790	Valve	10662.24	Valve	9990.89	36	0.312	52					0.470833	335			649									1250	Unknown		
62651	GirthWeld		186540.3		33.82	6.1	6.1	50800	Valve	10696.06	Valve	9957.07	36	0.312	52					12:20	335			649									1250	Unknown		
62652	GirthWeld		186546.4		6.1	38.89	38.89	50810	Valve	10702.16	Valve	9950.97	36	0.312	52					12:42	335			649									1250	Unknown		
62653	GirthWeld		186585.3		38.89	39.83	39.83	50820	Valve	10741.05	Valve	9912.08	36	0.312	52					0.463889	335			649									1250	Unknown		
62654	GirthWeld		186625.2		39.83	36.09	36.09	50830	Valve	10780.88	Valve	9872.25	36	0.312	52					0.529167	335			649									1250	Unknown		
62655	GirthWeld		186661.3		36.09	39.85	39.85	50840	Valve	10816.97	Valve	9836.16	36	0.312	52					0.369444	335			649									1250	Unknown		
62656	GirthWeld		186701.1		39.85	39.39	39.39	50850	Valve	10856.82	Valve	9796.31	36	0.312	52					3:12	335			649									1250	Unknown		
62658	CLUSTER	YES	186706.6		5.54	33.85	39.39	50850	Valve	10862.36	Valve	9790.77	36	0.312	52	0.21	0.07	8.59	1.48	5:56	335	960	691	649	0.48	1.09							1250	Unknown		
62663	CLUSTER	YES	186707.5		6.35	33.05	39.39	50850	Valve	10863.17	Valve	9789.96	36	0.312	52	0.18	0.06	33.90	2.33	0.243056	335	932	671	649	0.50	1.07							1250	Unknown		
62678	CLUSTER	YES	186710.4		9.26	30.13	39.39	50850	Valve	10866.08	Valve	9787.05	36	0.312	52	0.15	0.05	3.84	1.42	0.247222	335	1035	745	649	0.45	1.15							1250	Unknown		
62681	CLUSTER	YES	186717.1		16.01	23.39	39.39	50850	Valve	10872.83	Valve	9780.3	36	0.312	52	0.16	0.05	13.94	4.09	0.249306	335	969	697	649	0.48	1.08							1250	Unknown		
62690	CLUSTER	YES	186718.6		17.47	21.93	39.39	50850	Valve	10874.29	Valve	9778.84	36	0.312	52	0.17	0.05	12.85	1.29	6:23	335	965	695	649	0.48	1.09							1250	Unknown		
62694	CLUSTER	YES	186719.1		18.01	21.38	39.39	50850	Valve	10874.83	Valve	9778.3	36	0.312	52	0.15	0.05	10.13	0.91	5:35	335	987	711	649	0.47	1.10							1250	Unknown		
62704	CLUSTER	YES	186719.7		18.64	20.75	39.39	50850	Valve	10875.46	Valve	9777.67	36	0.312	52	0.15	0.05	9.86	1.38	0.270139	335	988	712	649	0.47	1.09							1250	Unknown		
62711	CLUSTER	YES	186720.3		19.18	20.21	39.39	50850	Valve	10876	Valve	9777.13	36	0.312	52	0.23	0.07	22.79	3.36	0.227778	335	902	649	649	0.52	1.05							1250	Unknown		
62718	CLUSTER	YES	186720.7		19.61	19.79	39.39	50850	Valve	10876.43	Valve	9776.7	36	0.312	52	0.15	0.05	29.57	4.21	0.260417	335	959	690	649	0.49	1.08							1250	Unknown		
62742	GirthWeld		186740.5		39.39	38.13	38.13	50860	Valve	10896.21	Valve	9756.92	36	0.312	52					9:38	335			649									1250	Unknown		
62743	GirthWeld		186778.6		38.13	38.61	38.61	50870	Valve	10934.34	Valve	9718.79	36	0.312	52					1:02	335			649									1250	Unknown		
62744	GirthWeld		186817.2		38.61	37.36	37.36	50880	Valve	10972.95	Valve	9680.18	36	0.312	52					0.470833	335			649									1250	Unknown		
62745	GirthWeld		186854.6		37.36	23.5	23.5	50890	Valve	11010.31	Valve	9642.82	36	0.312	52					0.068056	335			649									1250	Unknown		
62746	GirthWeld		186878.1		23.5	39.07	39.07	50900	Valve	11033.81	Valve	9619.32	36	0.312	52					0.4625	335			649									1250	Unknown		
62747	GirthWeld		186917.2		39.07	39.92	39.92	50910	Valve	11072.88	Valve	9580.25	36	0.312	52					12:50	335			649									1250	Unknown		
62748	GirthWeld		186957.1		39.92	39.83	39.83	50920	Valve	11112.8	Valve	9540.33	36	0.312	52					11:14	335			649									1250	Unknown		
62749	GirthWeld		186996.9		39.83	31.1	31.1	50930	Valve	11152.63	Valve	9500.51	36	0.312	52					0.533333	335			649									1250	Unknown		
62750	GirthWeld		187028		31.09	32.62	32.61	50940	Valve	11183.72	Valve	9469.41	36	0.312	52					0.463889	335			649									1250	Unknown		
62751	GirthWeld		187060.6		32.62	39.24	39.25	50950	Valve	11216.34	Valve	9436.79	36	0.312	52					0.530556	335			649									1250	Unknown		
62752	GirthWeld		187099.9		39.24	39.82	39.82	50960	Valve	11255.58	Valve	9397.55	36	0.312	52					11:31	335			649									1250	Unknown		
62754	CLUSTER	YES	187112.8		12.91	26.91	39.82	50960	Valve	11268.49	Valve	9384.64	36	0.312	52	0.19	0.06	5.92	1.42	5:57	335	995	717	649	0.47	1.12							1250	Unknown		
62759	CLUSTER	YES	187113.8		13.89	25.93	39.82	50960	Valve	11269.47	Valve	9383.66	36	0.312	52	0.19	0.06	2.95	1.13	0.247917	335	1039	748	649	0.45	1.16							1250	Unknown		
62762	CLUSTER	YES	187124.2		24.35	15.47	39.82	50960	Valve	11279.93	Valve	9373.2	36	0.312	52	0.15	0.05	4.69	0.41	0.25	335	1026	738	649	0.45	1.14							1250	Unknown		
62765	CLUSTER	YES	187125.7		25.8	14.02	39.82	50960	Valve	11281.38	Valve	9371.75	36	0.312	52	0.15	0.05	6.64	0.94	0.248611	335	1007	725	649	0.46	1.11							1250	Unknown		
62769	CLUSTER	YES	187128.2		28.34	11.48	39.82	50960	Valve	11283.92	Valve	9369.21	36	0.312	52	0.15	0.05	9.44	1.35	5:58	335	990	713	649	0.47	1.11							1250	Unknown		
62774	CLUSTER	YES	187129.6		29.76	10.06	39.82	50960	Valve	11285.34	Valve	9367.79	36	0.312	52	0.15	0.05	8.35	1.35	6:00	335	996	717	649	0.47	1.10							1250	Unknown		
62779	GirthWeld		187139.7		39.82	39.86	39.86	50970	Valve	11295.4	Valve	9357.73	36	0.312	52					0.5375	335			649									1250	Unknown		
62780	GirthWeld		187179.5		39.86	39.9	39.9	50980	Valve	11335.26	Valve	9317.87	36	0.312	52					0.454167	335			649									1250	Unknown		
62781	MELO-CORR	YES	187185		5.48	34.42	39.9	50980	Valve	11340.74	Valve	9312.39	36	0.312	52	0.16	0.05	1.14	0.16	0.238194	335	1069	770	649	0.44	1.19							1598	Metal Loss		
62782	MELO-CORR	YES	187194.6		15.04	24.86	39.9	50980	Valve	11350.3	Valve	9302.83	36	0.312	52	0.18	0.06	1.18	0.35	6:35	335	1068	769	649	0.44	1.18							1598	Metal Loss		
62783	GirthWeld		187219.4		39.9	39.23	39.23	50990	Valve	11375.16	Valve	9277.97	36	0.312	52					1:25	335			649									1250	Unknown		
62784	GirthWeld		187258.7		39.23	39.82	39.82	51000	Valve	11414.39	Valve	9238.74	36	0.312	52					0.467361	335			649									1250	Unknown		
62786	CLUSTER	YES	187278.3		19.66	20.15	39.82	51000	Valve	11434.05	Valve	9219.08	36	0.312	52	0.21	0.07	1.24	0.44	0.224306	335	1066	767	649	0.44	1.18							1250	Unknown		
62788	GirthWeld		187298.5		39.82	39.64	39.64	51010	Valve	11454.21	Valve	9198.92	36	0.312	52					0.534028	335			649									1250	Unknown		
62789	MELO-CORR	YES	187310.3		11.81	27.83	39.64	51010	Valve	11466.02	Valve	9187.11	36	0.312	52	0.15	0.05	1.10	0.16	4:47	335	1070	770	649	0.43	1.19							1598	Metal Loss		
62791	CLUSTER	YES	187313.4		14.9	24.73	39.64	51010	Valve	11469.11	Valve	9184.02	36	0.312	52	0.19	0.06	2.22	0.57	4:47	335	1052	757	649	0.44	1.17							1250	Unknown		
62793	MELO-CORR	YES	187315.2		16.67	22.97	39.64	51010	Valve	11470.88	Valve	9182.25	36	0.312	52	0.19	0.06	0.91	0.16	0.247222	335	1070	771	649	0.43	1.19							1598	Metal Loss		
62794	MELO-CORR	YES	187326.4		27.92	11.72	39.64	51010	Valve	11482.13	Valve	9171	36	0.312	52	0.18	0.06	1.10	0.16	0.240972	335	1068	769	649	0.44	1.19							1598	Metal Loss		
62795	MELO-CORR	YES	187327.5		29.03	10.61	39.64	51010	Valve	11483.24	Valve	9169.89	36	0.312	52	0.15	0.05	1.10	0.20	0.199306	335	1070	770	649	0.43	1.19							1598	Metal Loss		
62796	GirthWeld		187338.1		39.64	39.07	39.07	51020	Valve	11493.85	Valve	9159.28	36	0.312	52					11:26	335			649									1250	Unknown		
62797	MELO-CORR	YES	187349.5		11.4	27.67	39.07	51020	Valve	11505.25	Valve	9147.88	36	0.312	52	0.18	0.06	1.10	0.20	7:00	335	1068	769	649	0.44	1.19							1598	Metal Loss		
62798	MELO-CORR	YES	187358.3		20.15	18.92	39.07	51020	Valve	11514	Valve	9139.13	36	0.312	52	0.17	0.05	1.22	0.39	0.258333	335	1068	769	649	0.44	1.18							1598	Metal Loss		
62799	MELO-CORR	YES	187360.8		22.71	16.36	39.07	51020	Valve	11516.56	Valve	9136.57	36	0.312	52	0.2	0.06	1.10	0.24	0.209722	335	1068	769	649	0.44	1.18							1598	Metal Loss		
62800	GirthWeld		187377.2		39.07	39.82	39.82	51030	Valve	11532.92	Valve	9120.21	36	0.312	52					0.519444	335			649									1250	Unknown		
62802	CLUSTER	YES	187378.2		1.02	38.8	39.82	51030	Valve	11533.94	Valve	9119.19	36	0.312	52	0.22	0.07	8.52	1.92	5:51	335	954	687	649	0.49	1.11							1250	Unknown		
62805	GirthWeld		187417		39.82	39.84	39.84	51040	Valve	11572.74	Valve	9080.39	36	0.312	52					11:14	335			649									1250	Unknown		
62806	GirthWeld		187456.9		39.84	39.85	39.85	51050	Valve	11612.58	Valve	9040.55	36	0.312	52					0.048611	335			649									1250	Unknown		
62807	GirthWeld		187496.7		39.85	39.82	39.82	51060	Valve	11652.43	Valve	9000.7	36	0.312	52					0.459722	335			649									1250	Unknown		
62808	GirthWeld		187536.5		39.82	38.96	38.96	51070	Valve	11692.25	Valve	8960.88	36	0.312	52					0.056944	335			649									1250	Unknown		
62809	GirthWeld		187575.5		38.96	39.73	39.73	51080	Valve	11731.21	Valve	8921.92	36	0.312	52					11:28	335			649									1250	Unknown		
62810	GirthWeld		187615.2		39.73	39.87	39.87	51090	Valve	11770.94	Valve	8882.19	36	0.312	52					12:58	335			649									1250	Unknown		
62811	GirthWeld		187655.1		39.87	39.79	39.79	51100	Valve	11810.81	Valve	8842.32	36	0.312	52					0.469444	335			649									1250	Unknown		
62813	CLUSTER	YES	187688.8		33.71	6.08	39.79	51100	Valve	11844.52	Valve	8808.61	36	0.312	52	0.16	0.05	1.31	1.29	0.251389	335	1067	768	649	0.44	1.18							1250	Unknown		
62815	GirthWeld		187694.9		39.79	39.88	39.88	51110	Valve	11850.6	Valve	8802.53	36	0.312	52					0.530556	335			649									1250	Unknown		
62816	MELO-CORR	YES	187717.8		22.92	16.96	39.88	51110	Valve	11873.52	Valve	8779.61	36	0.312	52	0.16	0.05	1.22	0.16	5:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
62817	GirthWeld		187734.8		39.88	39.82	39.83	51120	Valve	11890.48	Valve	8762.65	36	0.312	52					10:58	335			649									1250	Unknown		
62818	GirthWeld		187774.6		39.82	39.52	39.51	51130	Valve	11930.3	Valve	8722.83	36	0.312	52					0.044444	335			649									1250	Unknown		
62819	GirthWeld		187814.1		39.52	39.85	39.86	51140	Valve	11969.82	Valve	8683.31	36	0.312	52					0.463889	335			649									1250	Unknown		
62820	GirthWeld		187854		39.85	39.82	39.82	51150	Valve	12009.67	Valve	8643.46	36	0.312	52					0.047222	335			649									1250	Unknown		
62821	GirthWeld		187893.8		39.82	38.96	38.96	51160	Valve	12049.49	Valve	8603.64	36	0.312	52					11:10	335			649									1250	Unknown		
62822	GirthWeld		187932.7		38.96	39.36	39.35	51170	Valve	12088.45	Valve	8564.68	36	0.312	52					12:42	335			649									1250	Unknown		
62823	GirthWeld		187972.1		39.36	39.11	39.11	51180	Valve	12127.81	Valve	8525.32	36	0.312	52					0.468056	335			649									1250	Unknown		
62824	GirthWeld		188011.2		39.11	39.79	39.79	51190	Valve	12166.92	Valve	8486.21	36	0.312	52					0.530556	335			649									1250	Unknown		
62825	GirthWeld		188051		39.79	39.81	39.82	51200	Valve	12206.71	Valve	8446.42	36	0.312	52					0.472917	335			649									1250	Unknown		
62826	GirthWeld		188090.8		39.81	39.23	39.23	51210	Valve	12246.52	Valve	8406.61	36	0.312	52					12:46	335			649									1250	Unknown		
62827	GirthWeld		188130		39.23	39.82	39.82	51220	Valve	12285.75	Valve	8367.38	36	0.312	52					11:22	335			649									1250	Unknown		
62828	GirthWeld		188169.9		39.82	39.85	39.85	51230	Valve	12325.57	Valve	8327.56	36	0.312	52					0.055556	335			649									1250	Unknown		
62829	GirthWeld		188209.7		39.85	39.8	39.81	51240	Valve	12365.42	Valve	8287.71	36	0.312	52					0.455556	335			649									1250	Unknown		
62830	GirthWeld		188249.5		39.8	39.85	39.84	51250	Valve	12405.22	Valve	8247.91	36	0.312	52					0.504167	335			649									1250	Unknown		
62831	GirthWeld		188289.4		39.85	39.86	39.86	51260	Valve	12445.07	Valve	8208.07	36	0.312	52					10:50	335			649									1250	Unknown		
62832	GirthWeld		188329.2		39.85	35.14	35.14	51270	Valve	12484.92	Valve	8168.21	36	0.312	52					12:58	335			649									1250	Unknown		
62833	GirthWeld		188364.3		35.14	5.12	5.11	51280	Valve	12520.06	Valve	8133.07	36	0.312	52					0.486111	335			649									1250	Unknown		
62834	GirthWeld		188369.5		5.12	39.26	39.26	51290	Valve	12525.18	Valve	8127.95	36	0.312	52					0.534722	335			649									1250	Unknown		
62835	GirthWeld		188408.7		39.26	39.83	39.83	51300	Valve	12564.44	Valve	8088.69	36	0.312	52					0.4125	335			649									1250	Unknown		
62836	GirthWeld		188448.6		39.83	39.77	39.77	51310	Valve	12604.27	Valve	8048.86	36	0.312	52					12:04	335			649									1250	Unknown		
62837	GirthWeld		188488.3		39.77	39.76	39.76	51320	Valve	12644.04	Valve	8009.1	36	0.312	52					9:58	335			649									1250	Unknown		
62838	AS_Sleeve		188526		37.65	2.11	39.76	51320	Valve	12681.69	Valve	7971.44	36	0.312	52						335			649									1789	Sleeve		
62839	GirthWeld		188528.1		39.76	39.24	39.24	51330	Valve	12683.8	Valve	7969.33	36	0.312	52					0.503472	335			649									1250	Unknown		
62840	AE_Sleeve		188530		1.9	37.35	39.24	51330	Valve	12685.7	Valve	7967.43	36	0.312	52						335			649									1789	Sleeve		
62841	GirthWeld		188567.3		39.24	39.59	39.59	51340	Valve	12723.04	Valve	7930.09	36	0.312	52					10:08	335			649									1250	Unknown		
62842	GirthWeld		188606.9		39.59	39.76	39.76	51350	Valve	12762.63	Valve	7890.5	36	0.312	52					12:00	335			649									1250	Unknown		
62843	GirthWeld		188646.7		39.76	36.2	36.19	51360	Valve	12802.39	Valve	7850.74	36	0.312	52					0.427778	335			649									1250	Unknown		
62844	MELO-CORR	YES	188665.2		18.51	17.69	36.19	51360	Valve	12820.9	Valve	7832.23	36	0.312	52	0.15	0.05	1.22	0.55	0.25625	335	1069	769	649	0.44	1.19							1598	Metal Loss		
62845	GirthWeld		188682.9		36.2	38.18	38.19	51370	Valve	12838.59	Valve	7814.54	36	0.312	52					0.529861	335			649									1250	Unknown		
62847	CLUSTER	YES	188687.7		4.79	33.39	38.19	51370	Valve	12843.38	Valve	7809.75	36	0.312	52	0.16	0.05	9.02	0.88	5:50	335	986	710	649	0.47	1.11							1250	Unknown		
62852	CLUSTER	YES	188710.6		27.73	10.45	38.19	51370	Valve	12866.32	Valve	7786.81	36	0.312	52	0.18	0.06	8.81	1.04	5:47	335	976	703	649	0.48	1.11							1250	Unknown		
62857	CLUSTER	YES	188713.9		30.99	7.19	38.19	51370	Valve	12869.58	Valve	7783.55	36	0.312	52	0.15	0.05	25.13	3.14	0.241667	335	962	692	649	0.48	1.08							1250	Unknown		
62864	CLUSTER	YES	188719.1		36.18	2	38.19	51370	Valve	12874.77	Valve	7778.36	36	0.312	52	0.17	0.05	10.19	3.05	0.244444	335	975	702	649	0.48	1.09							1250	Unknown		
62871	GirthWeld		188721.1		38.18	39.85	39.85	51380	Valve	12876.77	Valve	7776.36	36	0.312	52					0.427778	335			649									1250	Unknown		
62873	CLUSTER	YES	188726.1		5	34.85	39.85	51380	Valve	12881.77	Valve	7771.36	36	0.312	52	0.24	0.08	15.50	2.11	5:56	335	907	653	649	0.51	1.08							1250	Unknown		
62883	CLUSTER	YES	188728.3		7.28	32.57	39.85	51380	Valve	12884.05	Valve	7769.08	36	0.312	52	0.15	0.05	11.59	3.11	5:50	335	982	707	649	0.47	1.10							1250	Unknown		
62893	CLUSTER	YES	188743.3		22.2	17.65	39.85	51380	Valve	12898.97	Valve	7754.16	36	0.312	52	0.15	0.05	11.47	1.79	0.247917	335	982	707	649	0.47	1.10							1250	Unknown		
62899	CLUSTER	YES	188744.3		23.29	16.56	39.85	51380	Valve	12900.06	Valve	7753.07	36	0.312	52	0.18	0.06	10.76	1.86	0.247917	335	966	695	649	0.48	1.09							1250	Unknown		
62905	MELO-CORR	YES	188746.2		25.15	14.71	39.85	51380	Valve	12901.92	Valve	7751.21	36	0.312	52	0.15	0.05	0.91	0.43	0.253472	335	1071	771	649	0.43	1.19							1598	Metal Loss		
62906	MELO-CORR	YES	188752.9		31.81	8.05	39.85	51380	Valve	12908.58	Valve	7744.55	36	0.312	52	0.19	0.06	1.18	0.16	5:04	335	1067	768	649	0.44	1.18							1598	Metal Loss		
62908	CLUSTER	YES	188753.8		32.71	7.14	39.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
62926	GirthWeld		188913		36.06	32.33	32.33	51430	Valve	13068.71	Valve	7584.42	36	0.312	52					11:38	335			649										1250	Unknown		
62927	GirthWeld		188945.3		32.33	32.76	32.76	51440	Valve	13101.04	Valve	7552.09	36	0.312	52					1:22	335			649										1250	Unknown		
62928	GirthWeld		188978.1		32.76	38.71	38.71	51450	Valve	13133.8	Valve	7519.33	36	0.312	52					0.45	335			649										1250	Unknown		
62929	GirthWeld		189016.8		38.71	39.77	39.78	51460	Valve	13172.51	Valve	7480.62	36	0.312	52					0.056944	335			649										1250	Unknown		
62930	GirthWeld		189056.6		39.77	39.8	39.8	51470	Valve	13212.28	Valve	7440.85	36	0.312	52					0.463889	335			649										1250	Unknown		
62931	GirthWeld		189096.4		39.8	39.85	39.85	51480	Valve	13252.08	Valve	7401.05	36	0.312	52					1:02	335			649										1250	Unknown		
62932	GirthWeld		189136.2		39.85	39.76	39.76	51490	Valve	13291.93	Valve	7361.2	36	0.312	52					11:10	335			649										1250	Unknown		
62933	GirthWeld		189176		39.76	32.6	32.6	51500	Valve	13331.69	Valve	7321.44	36	0.312	52					0.048611	335			649										1250	Unknown		
62935	CLUSTER	YES	189198.1		22.14	10.46	32.6	51500	Valve	13353.83	Valve	7299.3	36	0.312	52	0.22	0.07	12.22	2.01	0.248611	335	933	672	649	0.50	1.07								1250	Unknown		
62943	CLUSTER	YES	189205.6		29.58	3.01	32.6	51500	Valve	13361.27	Valve	7291.86	36	0.312	52	0.16	0.05	1.78	0.85	0.26875	335	1062	764	649	0.44	1.18								1250	Unknown		
62945	GirthWeld		189208.6		32.6	38.36	38.37	51510	Valve	13364.29	Valve	7288.85	36	0.312	52					10:48	335			649										1250	Unknown		
62946	MELO-CORR	YES	189208.8		0.27	38.09	38.37	51510	Valve	13364.56	Valve	7288.57	36	0.312	52	0.18	0.06	1.22	0.20	5:11	335	1067	768	649	0.44	1.18								1598	Metal Loss		
62948	CLUSTER	YES	189222.5		13.95	24.41	38.37	51510	Valve	13378.24	Valve	7274.89	36	0.312	52	0.18	0.06	5.64	3.83	0.24375	335	1003	722	649	0.46	1.11								1250	Unknown		
62952	GirthWeld		189246.9		38.36	39.86	39.86	51520	Valve	13402.65	Valve	7250.48	36	0.312	52					0.042361	335			649										1250	Unknown		
62953	GirthWeld		189286.8		39.86	39.79	39.78	51530	Valve	13442.51	Valve	7210.62	36	0.312	52					0.430556	335			649										1250	Unknown		
62954	GirthWeld		189326.6		39.79	39.85	39.85	51540	Valve	13482.3	Valve	7170.83	36	0.312	52					1:02	335			649										1250	Unknown		
62955	GirthWeld		189366.4		39.85	39.11	39.11	51550	Valve	13522.15	Valve	7130.98	36	0.312	52					11:20	335			649										1250	Unknown		
62956	GirthWeld		189405.5		39.11	39.34	39.35	51560	Valve	13561.26	Valve	7091.87	36	0.312	52					0.05	335			649										1250	Unknown		
62957	GirthWeld		189444.9		39.34	37.12	37.12	51570	Valve	13600.6	Valve	7052.53	36	0.312	52					0.466667	335			649										1250	Unknown		
62958	GirthWeld		189482		37.12	39.83	39.83	51580	Valve	13637.72	Valve	7015.41	36	0.312	52					0.538889	335			649										1250	Unknown		
62959	GirthWeld		189521.8		39.83	39.86	39.86	51590	Valve	13677.55	Valve	6975.58	36	0.312	52					11:02	335			649										1250	Unknown		
62960	GirthWeld		189561.7		39.86	33.76	33.77	51600	Valve	13717.41	Valve	6935.72	36	0.312	52					12:50	335			649										1250	Unknown		
62961	GirthWeld		189595.5		33.76	39.79	39.79	51610	Valve	13751.17	Valve	6901.96	36	0.312	52					0.465278	335			649										1250	Unknown		
62962	GirthWeld		189635.2		39.79	34.09	34.08	51620	Valve	13790.96	Valve	6862.17	36	0.312	52					0.534722	335			649										1250	Unknown		
62963	GirthWeld		189669.3		34.09	39.13	39.13	51630	Valve	13825.05	Valve	6828.08	36	0.312	52					0.477778	335			649										1250	Unknown		
62965	CLUSTER	YES	189675.4		6.02	33.11	39.13	51630	Valve	13831.07	Valve	6822.06	36	0.312	52	0.2	0.06	24.62	2.04	5:59	335	923	665	649	0.50	1.07								1250	Unknown		
62975	CLUSTER	YES	189689		19.71	19.42	39.13	51630	Valve	13844.76	Valve	6808.37	36	0.312	52	0.22	0.07	7.27	1.10	5:59	335	965	695	649	0.48	1.09								1250	Unknown		
62978	MELO-CORR	YES	189690.4		21.09	18.04	39.13	51630	Valve	13846.14	Valve	6806.99	36	0.312	52	0.15	0.05	1.14	0.16	0.25	335	1069	770	649	0.44	1.19								1598	Metal Loss		
62980	CLUSTER	YES	189691.2		21.86	17.27	39.13	51630	Valve	13846.91	Valve	6806.22	36	0.312	52	0.19	0.06	6.64	2.86	0.250694	335	987	711	649	0.47	1.11								1250	Unknown		
62983	MELO-CORR	YES	189692		22.62	16.51	39.13	51630	Valve	13847.67	Valve	6805.46	36	0.312	52	0.15	0.05	2.44	0.59	0.258333	335	1054	759	649	0.44	1.17								1598	Metal Loss		
62985	CLUSTER	YES	189692.7		23.33	15.8	39.13	51630	Valve	13848.38	Valve	6804.76	36	0.312	52	0.16	0.05	9.62	2.77	6:00	335	983	708	649	0.47	1.10								1250	Unknown		
62988	MELO-CORR	YES	189693.7		24.39	14.74	39.13	51630	Valve	13849.44	Valve	6803.69	36	0.312	52	0.15	0.05	1.10	0.16	6:01	335	1070	770	649	0.43	1.19								1598	Metal Loss		
62990	CLUSTER	YES	189695.1		25.8	13.33	39.13	51630	Valve	13850.85	Valve	6802.28	36	0.312	52	0.22	0.07	2.00	1.73	0.25	335	1051	757	649	0.44	1.17								1250	Unknown		
62992	GirthWeld		189708.5		39.13	39.87	39.88	51640	Valve	13864.18	Valve	6788.95	36	0.312	52					0.04375	335			649										1250	Unknown		
62993	GirthWeld		189748.3		39.88	33.6	33.6	51650	Valve	13904.05	Valve	6749.08	36	0.312	52					0.440278	335			649										1250	Unknown		
62994	GirthWeld		189781.9		33.6	39.88	39.87	51660	Valve	13937.65	Valve	6715.48	36	0.312	52					1:08	335			649										1250	Unknown		
62995	GirthWeld		189821.8		39.88	39.82	39.83	51670	Valve	13977.53	Valve	6675.6	36	0.312	52					11:19	335			649										1250	Unknown		
62996	GirthWeld		189861.6		39.82	39.72	39.71	51680	Valve	14017.35	Valve	6635.78	36	0.312	52					0.044444	335			649										1250	Unknown		
62997	GirthWeld		189901.4		39.72	39.82	39.82	51690	Valve	14057.07	Valve	6596.06	36	0.312	52					0.469444	335			649										1250	Unknown		
62998	GirthWeld		189941.2		39.82	39.5	39.5	51700	Valve	14096.89	Valve	6556.24	36	0.312	52					0.0875	335			649										1250	Unknown		
62999	GirthWeld		189980.7		39.5	39.83	39.83	51710	Valve	14136.39	Valve	6516.74	36	0.312	52					10:36	335			649										1250	Unknown		
63000	GirthWeld		190020.5		39.83	39.83	39.83	51720	Valve	14176.22	Valve	6476.91	36	0.312	52					1:26	335			649										1250	Unknown		
63001	GirthWeld		190060.3		39.83	39.79	39.79	51730	Valve	14216.05	Valve	6437.08	36	0.312	52					0.451389	335			649										1250	Unknown		
63002	GirthWeld		190100.1		39.79	39.81	39.81	51740	Valve	14255.84	Valve	6397.29	36	0.312	52					0.046528	335			649										1250	Unknown		
63004	CLUSTER	YES	190110.1		9.98	29.83	39.81	51740	Valve	14265.82	Valve	6387.31	36	0.312	52	0.15	0.05	15.55	3.55	0.242361	335	972	700	649	0.48	1.09								1250	Unknown		
63013	MELO-CORR	YES	190133.3		33.18	6.63	39.81	51740	Valve	14289.02	Valve	6364.11	36	0.312	52	0.27	0.08	0.98	0.35	6:06	335	1066	768	649	0.44	1.18								1598	Metal Loss		
63014	MELO-CORR	YES	190133.7		33.61	6.2	39.81	51740	Valve	14289.45	Valve	6363.68	36	0.312	52	0.21	0.07	0.94	0.39	6:07	335	1069	770	649	0.44	1.19								1598	Metal Loss		
63015	GirthWeld		190139.9		39.81	39.84	39.84	51750	Valve	14295.65	Valve	6357.48	36	0.312	52					0.469444	335			649										1250	Unknown		
63017	CLUSTER	YES	190141		1.04	38.8	39.84	51750	Valve	14296.69	Valve	6356.44	36	0.312	52	0.15	0.05	6.32	1.67	0.247917	335	1010	727	649	0.46	1.12								1250	Unknown		
63020	GirthWeld		190179.8		39.84	39.83	39.83	51760	Valve	14335.49	Valve	6317.64	36	0.312	52					0.074306	335			649										1250	Unknown		
63022	CLUSTER	YES	190189.1		9.32	30.51	39.83	51760	Valve	14344.81	Valve	6308.32	36	0.312	52	0.2	0.06	4.24	1.35	5:59	335	1014	730	649	0.46	1.14								1250	Unknown		
63025	AS_Sleeve		190194.6		14.83	25	39.83	51760	Valve	14350.32	Valve	6302.81	36	0.312	52						335			649										1789	Sleeve		
63026	AE_Sleeve		190211.2		31.43	8.4	39.83	51760	Valve	14366.92	Valve	6286.21	36	0.312	52						335			649										1789	Sleeve		
63028	CLUSTER	YES	190211.3		31.51	8.32	39.83	51760	Valve	14367	Valve	6286.13	36	0.312	52	0.16	0.05	14.75	5.15	0.240278	335	967	696	649	0.48	1.08								1250	Unknown		
63043	CLUSTER	YES	190212.5		32.77	7.06	39.83	51760	Valve	14368.26	Valve	6284.87	36	0.312	52	0.18	0.06	13.04	0.54	0.266667	335	957	689	649	0.49	1.10								1250	Unknown		
63048	GirthWeld		190219.6		39.83	39.88	39.88	51770	Valve	14375.32	Valve	6277.81	36	0.312	52					10:52	335			649										1250	Unknown		
63050	CLUSTER	YES	190224.6		4.99	34.89	39.88	51770	Valve	14380.31	Valve	6272.82	36	0.312	52	0.16	0.05	5.00	0.44	6:04	335	1018	733	649	0.46	1.13								1250	Unknown		
63052	GirthWeld		190259.5		39.88	39.8	39.8	51780	Valve	14415.2	Valve	6237.93	36	0.312	52					0.066667	335			649										1250	Unknown		
63053	GirthWeld		190299.3		39.8	39.77	39.77	51790	Valve	14455	Valve	6198.13	36	0.312	52					0.457639	335			649										1250	Unknown		
63054	GirthWeld		190339.1		39.77	38.68	38.68	51800	Valve	14494.77	Valve	6158.36	36	0.312	52					0.088889	335			649										1250	Unknown		
63055	GirthWeld		190377.7		38.68	39.8	39.8	51810	Valve	14533.45	Valve	6119.68	36	0.312	52					11:48	335			649										1250	Unknown		
63056	GirthWeld		190417.5		39.8	38.98	38.98	51820	Valve	14573.25	Valve	6079.88	36	0.312	52					1:12	335			649										1250	Unknown		
63057	GirthWeld		190456.5		38.98	39.75	39.75	51830	Valve	14612.23	Valve	6040.9	36	0.312	52					0.465278	335			649										1250	Unknown		
63058	GirthWeld		190496.3		39.75	39.79	39.79	51840	Valve	14651.98	Valve	6001.15	36	0.312	52					0.052778	335			649										1250	Unknown		
63059	GirthWeld		190536.1		39.79	38.43	38.42	51850	Valve	14691.77	Valve	5961.36	36	0.312	52					0.477778	335			649										1250	Unknown		
63060	GirthWeld		190574.5		38.43	39.75	39.76	51860	Valve	14730.2	Valve	5922.93	36	0.312	52					1:16	335			649										1250	Unknown		
63061	GirthWeld		190614.2		39.75	39.84	39.84	51870	Valve	14769.95	Valve	5883.18	36	0.312	52					10:58	335			649										1250	Unknown		
63062	GirthWeld		190654.1		39.84	39.92	39.92	51880	Valve	14809.79	Valve	5843.34	36	0.312	52					0.058333	335			649										1250	Unknown		
63063	MELO-CORR	YES	190666.4		12.35	27.57	39.92	51880	Valve	14822.14	Valve	5830.99	36	0.312	52	0.15	0.05	1.26	0.20	0.250694	335	1068	769	649	0.44	1.19								1598	Metal Loss		
63065	CLUSTER	YES	190684.2		30.1	9.83	39.92	51880	Valve	14839.89	Valve	5813.24	36	0.312	52	0.18	0.06	2.60	1.57	0.246528	335	1047	754	649	0.44	1.17								1250	Unknown		
63068	CLUSTER	YES	190692.5		38.46	1.46	39.92	51880	Valve	14848.25	Valve	5804.88	36	0.312	52	0.44	0.14	16.19	2.58	5:54	335	748	539	649	0.62	0.93								1250	Unknown		
63076	CLUSTER	YES	190694		39.88	0.05	39.92	51880	Valve	14849.67	Valve	5803.46	36	0.312	52	0.17	0.05	9.25	3.14	5:48	335	979	705	649	0.48	1.10								1250	Unknown		
63077	GirthWeld		190694		39.92	39.91	39.9	51890	Valve	14849.71	Valve	5803.42	36	0.312	52					0.480556	335			649										1250	Unknown		
63081	CLUSTER	YES	190716.6		22.61	17.3	39.9	51890	Valve	14872.32	Valve	5780.81	36	0.312	52	0.15	0.05	9.07	1.89	0.238889	335	992	714	649	0.47	1.11								1250	Unknown		
63085	MELO-CORR	YES	190717.3		23.28	16.63	39.9	51890	Valve	14872.99	Valve	5780.14	36	0.312	52	0.15	0.05	1.10	0.47	0.259722	335	1070	770	649	0.43	1.19								1598	Metal Loss		
63086	MELO-CORR	YES	190729.5		35.54	4.37	39.9	51890	Valve	14885.25	Valve	5767.88	36	0.312	52	0.15	0.05	1.14	0.20	5:47	335	1069	770	649	0.44	1.19								1598	Metal Loss		
63087	GirthWeld		190733.9		39.91	39.8	39.8	51900	Valve	14889.62	Valve	5763.51	36	0.312	52					2:30	335			649										1250	Unknown		
63088	GirthWeld		190773.7		39.8	39.88	39.88	51910	Valve	14929.42	Valve	5723.71	36	0.312	52					0.519444	335			649										1250	Unknown		
63089	GirthWeld		190813.6		39.88	38.33	38.33	51920	Valve	14969.3	Valve	5683.83	36	0.312	52					0.3625	335			649										1250	Unknown		
63090	GirthWeld		190851.9		38.33	30.51	30.51	51930	Valve	15007.63	Valve	5645.5	36	0.312	52					0.079167	335			649										1250	Unknown		
63091	GirthWeld		190882.4		30.51	39.48	39.49	51940	Valve	15038.14	Valve	5614.99	36	0.312	52					11:20	335			649										1250	Unknown		
63092	GirthWeld		190921.9		39.48	39.81	39.81	51950	Valve	15077.62	Valve	5575.51	36	0.312	52					12:58	335			649										1250	Unknown		
63093	GirthWeld		190961.7		39.81	39.22	39.22	51960	Valve	15117.43	Valve	5535.7	36	0.312	52					0.463889	335			649										1250	Unknown		
63094	GirthWeld		191000.9		39.22	39.83	39.83	51970	Valve	15156.65	Valve	5496.48	36	0.312	52					0.070833	335			649										1250	Unknown		
63096	CLUSTER	YES	191014.8		13.82	26.01	39.83	51970	Valve	15170.47	Valve	5482.66	36	0.312	52	0.18	0.06	4.49	0.32	0.245833	335	1017	732	649	0.46	1.14								1250	Unknown		
63098	MELO-CORR	YES	191016.3		15.38	24.45	39.83	51970	Valve	15172.03	Valve	5481.1	36	0.312	52	0.19	0.06	1.22	0.20	5:54	335	1067	768	649	0.44	1.18								1598	Metal Loss		
63100	CLUSTER	YES	191023.9		22.93	16.9	39.83	51970	Valve	15179.58	Valve	5473.55	36	0.312	52	0.24	0.08	3.46	0.57	5:54	335	1016	732	649	0.46	1.15								1250	Unknown		
63103	CLUSTER	YES	191039.8		38.87	0.96	39.83	51970	Valve	15195.52	Valve	5457.61	36	0.312	52	0.17	0.05	10.28	0.66	0.258333	335	974	701	649	0.48	1.09								1250	Unknown		
63107	GirthWeld		191040.8		39.83	39.68	39.68	51980	Valve	15196.48	Valve	5456.65	36	0.312	52					0.455556	335			649										1250	Unknown		
63109	CLUSTER	YES	191069		28.21	11.47	39.68	51980	Valve	15224.69	Valve	5428.44	36	0.312	52	0.16	0.05	6.01	0.44	0.282639	335	1008	726	649	0.46	1.12								1250	Unknown		
63113	CLUSTER	YES	191069.9		29.14	10.53	39.68	51980	Valve	15225.62	Valve	5427.51	36	0.312	52	0.15	0.05	14.90	4.96	6:39	335	973	701	649	0.48	1.09								1250	Unknown		
63124	CLUSTER	YES	191079.5		38.72	0.95	39.68	51980	Valve	15235.2	Valve	5417.93	36	0.312	52	0.15	0.05	4.61	2.83	5:57	335	1026	739	649	0.45	1.14								1250	Unknown		
63127	GirthWeld		191080.4		39.68	38.17	38.17	51990	Valve	15236.16	Valve	5416.97	36	0.312	52					0.049306	335			649										1250	Unknown		
63128	GirthWeld		191118.6		38.17	39.71	39.71	52000	Valve	15274.33	Valve	5378.8	36	0.312	52					0.470833	335			649										1250	Unknown		
63129	MELO-CORR	YES	191126.5		7.91	31.8	39.71	52000	Valve	15282.24	Valve	5370.89	36	0.312	52	0.17	0.05	1.18	0.20	0.280556	335	1068	769	649	0.44	1.19								1598	Metal Loss		
63131	CLUSTER	YES	191132.3		13.68	26.03	39.71	52000	Valve	15288.01	Valve	5365.12	36	0.312	52	0.18	0.06	12.43	1.13	6:37	335	959	691	649	0.49	1.10								1250	Unknown		
63137	MELO-CORR	YES	191139.9		21.26	18.45	39.71	52000	Valve	15295.59	Valve	5357.54	36	0.312	52	0.17	0.05	0.75	0.28	5:30	335	1072	772	649	0.43	1.19								1598	Metal Loss		
63138	GirthWeld		191158.3		39.71	39.26	39.26	52010	Valve	15314.04	Valve	5339.09	36	0.312	52					0.055556	335			649										1250	Unknown		
63139	GirthWeld		191197.6		39.26	39.85	39.85	52020	Valve	15353.3	Valve	5299.83	36	0.312	52					0.479167	335			649										1250	Unknown		
63140	GirthWeld		191237.4		39.85	39.8	39.81	52030	Valve	15393.15	Valve	5259.98	36	0.312	52					0.052778	335			649										1250	Unknown		
63141	GirthWeld		191277.2		39.8	39.85	39.85	52040	Valve	15432.95	Valve	5220.18	36	0.312	52					11:14	335			649										1250	Unknown		
63142	GirthWeld		191317.1		39.85	39.47	39.47	52050	Valve	15472.8	Valve	5180.33	36	0.312	52					1:40	335			649										1250	Unknown		
63143	GirthWeld		191356.6		39.47	39.67	39.67	52060	Valve	15512.27	Valve	5140.86	36	0.312	52					0.463889	335			649										1250	Unknown		
63144	GirthWeld		191396.2		39.67	39.77	39.78	52070	Valve	15551.94	Valve	5101.19	36	0.312	52					0.0625	335			649										1250	Unknown		
63145	GirthWeld		191436		39.77	38.43	38.43	52080	Valve	15591.71	Valve	5061.42	36	0.312	52					0.459028	335			649										1250	Unknown		
63146	GirthWeld		191474.4		38.43	39.86	39.85	52090	Valve	15630.14	Valve	5022.99	36	0.312	52					1:06	335			649										1250	Unknown		
63147	GirthWeld		191514.3		39.86	39.83	39.83	52100	Valve	15670	Valve	4983.13	36	0.312	52					10:57	335			649										1250	Unknown		
63148	GirthWeld		191554.1		39.83	39.76	39.77	52110	Valve	15709.83	Valve	4943.3	36	0.312	52					0.052778	335			649										1250	Unknown		
63149	GirthWeld		191593.9		39.76	39.11	39.11	52120	Valve	15749.59	Valve	4903.54	36	0.312	52					0.465278	335			649										1250	Unknown		
63151	CLUSTER	YES	191602.8		8.96	30.15	39.11	52120	Valve	15758.55	Valve	4894.58	36	0.312	52	0.19	0.06	3.04	0.28	0.247917	335	1037	747	649	0.45	1.16								1250	Unknown		
63153	GirthWeld		191633		39.11	39.87	39.86	52130	Valve	15788.7	Valve	4864.43	36	0.312	52					1:19	335			649										1250	Unknown		
63155	CLUSTER	YES	191644.2		11.17	28.7	39.86	52130	Valve	15799.87	Valve	4853.26	36	0.312	52	0.16	0.05	4.14	0.28	6:13	335	1029	741	649	0.45	1.15								1250	Unknown		
63157

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values							Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
63165	GirthWeld		191950.3		39.81	38.75	38.75	52210	Valve	16106.06	Valve	4547.07	36	0.312	52					1:19	335			649									1250	Unknown		
63166	GirthWeld		191989.1		38.75	38.92	38.92	52220	Valve	16144.81	Valve	4508.32	36	0.312	52					10:44	335			649									1250	Unknown		
63167	GirthWeld		192028		38.92	39.75	39.75	52230	Valve	16183.73	Valve	4469.4	36	0.312	52					0.054167	335			649									1250	Unknown		
63169	CLUSTER	YES	192044.7		16.66	23.1	39.75	52230	Valve	16200.39	Valve	4452.74	36	0.312	52	0.17	0.05	1.18	0.54	0.25625	335	1068	769	649	0.44	1.18							1250	Unknown		
63171	MELO-CORR	YES	192044.9		16.91	22.85	39.75	52230	Valve	16200.64	Valve	4452.49	36	0.312	52	0.16	0.05	1.22	0.20	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63172	MELO-CORR	YES	192047.2		19.16	20.59	39.75	52230	Valve	16202.89	Valve	4450.24	36	0.312	52	0.23	0.07	1.30	1.02	5:52	335	1063	766	649	0.44	1.18							1598	Metal Loss		
63174	CLUSTER	YES	192047.7		19.71	20.04	39.75	52230	Valve	16203.44	Valve	4449.69	36	0.312	52	0.22	0.07	9.10	2.99	5:53	335	950	684	649	0.49	1.09							1250	Unknown		
63183	MELO-CORR	YES	192049.9		21.85	17.91	39.75	52230	Valve	16205.58	Valve	4447.55	36	0.312	52	0.18	0.06	1.14	0.20	0.254167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63185	CLUSTER	YES	192050.9		22.84	16.92	39.75	52230	Valve	16206.57	Valve	4446.56	36	0.312	52	0.18	0.06	2.24	1.79	0.249306	335	1053	758	649	0.44	1.17							1250	Unknown		
63187	MELO-CORR	YES	192053.8		25.77	13.98	39.75	52230	Valve	16209.5	Valve	4443.63	36	0.312	52	0.26	0.08	1.14	1.18	0.254861	335	1064	766	649	0.44	1.18							1598	Metal Loss		
63189	CLUSTER	YES	192054.2		26.23	13.52	39.75	52230	Valve	16209.96	Valve	4443.17	36	0.312	52	0.21	0.07	2.21	1.07	6:06	335	1049	755	649	0.44	1.17							1250	Unknown		
63192	MELO-CORR	YES	192055.1		27.04	12.71	39.75	52230	Valve	16210.77	Valve	4442.36	36	0.312	52	0.17	0.05	1.10	0.67	6:09	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63194	CLUSTER	YES	192055.9		27.88	11.88	39.75	52230	Valve	16211.61	Valve	4441.52	36	0.312	52	0.23	0.07	9.25	3.58	0.245833	335	943	679	649	0.49	1.09							1250	Unknown		
63205	CLUSTER	YES	192057.2		29.16	10.59	39.75	52230	Valve	16212.89	Valve	4440.24	36	0.312	52	0.17	0.05	8.63	2.61	0.246528	335	983	708	649	0.47	1.11							1250	Unknown		
63213	CLUSTER	YES	192058.6		30.58	9.17	39.75	52230	Valve	16214.32	Valve	4438.82	36	0.312	52	0.22	0.07	5.27	0.54	0.257639	335	990	713	649	0.47	1.12							1250	Unknown		
63216	CLUSTER	YES	192058.9		30.87	8.88	39.75	52230	Valve	16214.6	Valve	4438.53	36	0.312	52	0.27	0.08	14.16	2.77	5:56	335	889	640	649	0.52	1.07							1250	Unknown		
63226	CLUSTER	YES	192061.3		33.26	6.49	39.75	52230	Valve	16216.99	Valve	4436.14	36	0.312	52	0.19	0.06	16.50	3.52	5:51	335	941	678	649	0.49	1.08							1250	Unknown		
63241	CLUSTER	YES	192064.5		36.5	3.25	39.75	52230	Valve	16220.23	Valve	4432.9	36	0.312	52	0.22	0.07	11.02	4.02	0.243056	335	938	676	649	0.50	1.08							1250	Unknown		
63254	GirthWeld		192067.8		39.75	39.46	39.46	52240	Valve	16223.48	Valve	4429.65	36	0.312	52					0.447222	335			649									1250	Unknown		
63256	CLUSTER	YES	192078.7		10.89	28.57	39.46	52240	Valve	16234.37	Valve	4418.76	36	0.312	52	0.2	0.06	4.52	0.41	0.252778	335	1009	727	649	0.46	1.14							1250	Unknown		
63259	CLUSTER	YES	192079.2		11.4	28.05	39.46	52240	Valve	16234.89	Valve	4418.24	36	0.312	52	0.16	0.05	3.08	0.88	6:05	335	1043	751	649	0.45	1.16							1250	Unknown		
63261	MELO-CORR	YES	192080		12.26	27.2	39.46	52240	Valve	16235.74	Valve	4417.39	36	0.312	52	0.15	0.05	1.18	0.51	5:57	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63263	CLUSTER	YES	192084.4		16.61	22.85	39.46	52240	Valve	16240.09	Valve	4413.04	36	0.312	52	0.15	0.05	1.75	0.47	0.249306	335	1063	765	649	0.44	1.18							1250	Unknown		
63265	MELO-CORR	YES	192085.5		17.74	21.71	39.46	52240	Valve	16241.23	Valve	4411.9	36	0.312	52	0.15	0.05	1.22	0.59	0.254861	335	1069	769	649	0.44	1.19							1598	Metal Loss		
63267	CLUSTER	YES	192085.9		18.17	21.29	39.46	52240	Valve	16241.65	Valve	4411.48	36	0.312	52	0.21	0.07	7.64	2.26	0.246528	335	967	697	649	0.48	1.11							1250	Unknown		
63274	CLUSTER	YES	192087.6		19.88	19.58	39.46	52240	Valve	16243.36	Valve	4409.77	36	0.312	52	0.15	0.05	7.43	2.04	5:56	335	1001	721	649	0.46	1.12							1250	Unknown		
63278	CLUSTER	YES	192089.6		21.79	17.67	39.46	52240	Valve	16245.27	Valve	4407.86	36	0.312	52	0.15	0.05	3.13	1.70	5:56	335	1045	752	649	0.45	1.16							1250	Unknown		
63280	GirthWeld		192107.2		39.46	39.85	39.85	52250	Valve	16262.94	Valve	4390.19	36	0.312	52					0.056944	335			649									1250	Unknown		
63281	GirthWeld		192147.1		39.85	38.24	38.24	52260	Valve	16302.79	Valve	4350.35	36	0.312	52					0.451389	335			649									1250	Unknown		
63282	GirthWeld		192185.3		38.24	39.73	39.74	52270	Valve	16341.03	Valve	4312.1	36	0.312	52					0.054167	335			649									1250	Unknown		
63283	GirthWeld		192225		39.73	39.77	39.77	52280	Valve	16380.76	Valve	4272.37	36	0.312	52					10:46	335			649									1250	Unknown		
63284	GirthWeld		192264.8		39.77	39.82	39.82	52290	Valve	16420.53	Valve	4232.6	36	0.312	52					1:22	335			649									1250	Unknown		
63285	GirthWeld		192304.6		39.82	39.89	39.89	52300	Valve	16460.35	Valve	4192.78	36	0.312	52					0.477778	335			649									1250	Unknown		
63286	GirthWeld		192344.5		39.89	39.31	39.31	52310	Valve	16500.24	Valve	4152.89	36	0.312	52					0.054167	335			649									1250	Unknown		
63287	GirthWeld		192383.8		39.31	39.79	39.79	52320	Valve	16539.55	Valve	4113.58	36	0.312	52					0.455556	335			649									1250	Unknown		
63288	GirthWeld		192423.6		39.79	37.12	37.12	52330	Valve	16579.34	Valve	4073.79	36	0.312	52					1:10	335			649									1250	Unknown		
63289	GirthWeld		192460.7		37.12	39.2	39.2	52340	Valve	16616.46	Valve	4036.67	36	0.312	52					11:18	335			649									1250	Unknown		
63290	GirthWeld		192499.9		39.2	39.85	39.85	52350	Valve	16655.66	Valve	3997.47	36	0.312	52					0.536111	335			649									1250	Unknown		
63291	GirthWeld		192539.8		39.85	39.47	39.47	52360	Valve	16695.51	Valve	3957.62	36	0.312	52					0.472222	335			649									1250	Unknown		
63292	GirthWeld		192579.3		39.47	39.94	39.94	52370	Valve	16734.98	Valve	3918.15	36	0.312	52					0.538889	335			649									1250	Unknown		
63293	MIFE	n/a	192594		14.71	25.23	39.94	52370	Valve	16749.69	Valve	3903.44	36	0.312	52					9:59	335			649									2167	Mill Anomaly		
63294	GirthWeld		192619.2		39.94	39	38.99	52380	Valve	16774.92	Valve	3878.21	36	0.312	52					11:24	335			649									1250	Unknown		
63295	GirthWeld		192658.2		39	35.03	35.03	52390	Valve	16813.92	Valve	3839.21	36	0.312	52					0.047917	335			649									1250	Unknown		
63296	GirthWeld		192693.2		35.03	39.9	39.89	52400	Valve	16848.95	Valve	3804.18	36	0.312	52					0.464583	335			649									1250	Unknown		
63297	GirthWeld		192733.1		39.89	39.85	39.85	52410	Valve	16888.85	Valve	3764.29	36	0.312	52					0.531944	335			649									1250	Unknown		
63298	GirthWeld		192773		39.84	39.51	39.51	52420	Valve	16928.69	Valve	3724.44	36	0.312	52					10:54	335			649									1250	Unknown		
63299	GirthWeld		192812.5		39.51	39.89	39.89	52430	Valve	16968.2	Valve	3684.93	36	0.312	52					1:10	335			649									1250	Unknown		
63300	GirthWeld		192852.4		39.89	39.38	39.38	52440	Valve	17008.09	Valve	3645.04	36	0.312	52					0.488889	335			649									1250	Unknown		
63301	GirthWeld		192891.8		39.38	39.78	39.78	52450	Valve	17047.47	Valve	3605.66	36	0.312	52					0.048611	335			649									1250	Unknown		
63302	GirthWeld		192931.5		39.78	39.85	39.85	52460	Valve	17087.25	Valve	3565.88	36	0.312	52					0.454167	335			649									1250	Unknown		
63303	GirthWeld		192971.4		39.85	39.25	39.26	52470	Valve	17127.1	Valve	3526.03	36	0.312	52					1:12	335			649									1250	Unknown		
63304	MELO-CORR	YES	192984.5		13.14	26.11	39.26	52470	Valve	17140.24	Valve	3512.89	36	0.312	52	0.16	0.05	1.22	0.20	5:51	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63305	GirthWeld		193010.6		39.25	39.76	39.76	52480	Valve	17166.35	Valve	3486.78	36	0.312	52					0.475	335			649									1250	Unknown		
63306	GirthWeld		193050.4		39.76	39.86	39.86	52490	Valve	17206.11	Valve	3447.02	36	0.312	52					0.527778	335			649									1250	Unknown		
63307	GirthWeld		193090.3		39.86	39.78	39.78	52500	Valve	17245.97	Valve	3407.16	36	0.312	52					0.4625	335			649									1250	Unknown		
63308	GirthWeld		193130		39.78	38.75	38.74	52510	Valve	17285.75	Valve	3367.38	36	0.312	52					1:04	335			649									1250	Unknown		
63309	GirthWeld		193168.8		38.75	39.77	39.77	52520	Valve	17324.5	Valve	3328.63	36	0.312	52					10:58	335			649									1250	Unknown		
63310	GirthWeld		193208.6		39.77	39.2	39.2	52530	Valve	17364.27	Valve	3288.86	36	0.312	52					0.529167	335			649									1250	Unknown		
63311	GirthWeld		193247.8		39.2	39.85	39.84	52540	Valve	17403.47	Valve	3249.66	36	0.312	52					0.461111	335			649									1250	Unknown		
63312	GirthWeld		193287.6		39.85	39.69	39.69	52550	Valve	17443.32	Valve	3209.81	36	0.312	52					0.534722	335			649									1250	Unknown		
63313	GirthWeld		193327.3		39.68	39.17	39.16	52560	Valve	17483.01	Valve	3170.13	36	0.312	52					10:54	335			649									1250	Unknown		
63314	GirthWeld		193366.5		39.15	39.64	39.65	52570	Valve	17522.17	Valve	3130.96	36	0.312	52					1:12	335			649									1250	Unknown		
63315	GirthWeld		193406.1		39.64	39.83	39.82	52580	Valve	17561.81	Valve	3091.32	36	0.312	52					0.470833	335			649									1250	Unknown		
63316	GirthWeld		193445.9		39.83	39.81	39.81	52590	Valve	17601.64	Valve	3051.49	36	0.312	52					0.538889	335			649									1250	Unknown		
63317	GirthWeld		193485.7		39.81	39.7	39.7	52600	Valve	17641.45	Valve	3011.68	36	0.312	52					0.466667	335			649									1250	Unknown		
63318	GirthWeld		193525.4		39.7	39.77	39.77	52610	Valve	17681.15	Valve	2971.98	36	0.312	52					1:20	335			649									1250	Unknown		
63319	GirthWeld		193565.2		39.77	39.78	39.77	52620	Valve	17720.92	Valve	2932.21	36	0.312	52					11:02	335			649									1250	Unknown		
63320	GirthWeld		193605		39.77	39.82	39.82	52630	Valve	17760.7	Valve	2892.43	36	0.312	52					0.048611	335			649									1250	Unknown		
63321	GirthWeld		193644.8		39.82	39.66	39.66	52640	Valve	17800.52	Valve	2852.61	36	0.312	52					0.523611	335			649									1250	Unknown		
63322	GirthWeld		193684.5		39.66	39.33	39.33	52650	Valve	17840.18	Valve	2812.95	36	0.312	52					0.093056	335			649									1250	Unknown		
63323	GirthWeld		193723.8		39.33	39.86	39.86	52660	Valve	17879.51	Valve	2773.62	36	0.312	52					12:12	335			649									1250	Unknown		
63324	GirthWeld		193763.7		39.86	39.51	39.51	52670	Valve	17919.37	Valve	2733.76	36	0.312	52					2:27	335			649									1250	Unknown		
63325	GirthWeld		193803.2		39.51	39.44	39.44	52680	Valve	17958.88	Valve	2694.25	36	0.312	52					0.490278	335			649									1250	Unknown		
63326	GirthWeld		193842.6		39.44	37.35	37.35	52690	Valve	17998.32	Valve	2654.81	36	0.312	52					0.1125	335			649									1250	Unknown		
63328	CLUSTER	YES	193858.2		15.6	21.75	37.35	52690	Valve	18013.92	Valve	2639.21	36	0.312	52	0.15	0.05	4.44	1.10	0.249306	335	1028	740	649	0.45	1.15							1250	Unknown		
63330	MELO-CORR	YES	193869.5		26.89	10.45	37.35	52690	Valve	18025.21	Valve	2627.92	36	0.312	52	0.19	0.06	1.10	0.20	6:28	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63331	MELO-CORR	YES	193879.6		36.96	0.38	37.35	52690	Valve	18035.28	Valve	2617.85	36	0.312	52	0.15	0.05	1.18	0.16	6:27	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63332	GirthWeld		193880		37.35	39.82	39.83	52700	Valve	18035.67	Valve	2617.46	36	0.312	52					0.530556	335			649									1250	Unknown		
63334	CLUSTER	YES	193883		3.03	36.79	39.83	52700	Valve	18038.7	Valve	2614.43	36	0.312	52	0.21	0.07	4.55	2.08	0.271528	335	1005	724	649	0.46	1.14							1250	Unknown		
63337	MELO-CORR	YES	193886.6		6.63	33.2	39.83	52700	Valve	18042.3	Valve	2610.83	36	0.312	52	0.15	0.05	0.98	0.43	0.271528	335	1071	771	649	0.43	1.19							1598	Metal Loss		
63339	CLUSTER	YES	193892.1		12.14	27.68	39.83	52700	Valve	18047.81	Valve	2605.32	36	0.312	52	0.2	0.06	2.56	1.16	5:41	335	1044	752	649	0.45	1.17							1250	Unknown		
63342	CLUSTER	YES	193897.3		17.33	22.49	39.83	52700	Valve	18053	Valve	2600.13	36	0.312	52	0.16	0.05	7.10	2.64	5:26	335	999	719	649	0.47	1.12							1250	Unknown		
63347	CLUSTER	YES	193899.3		19.33	20.49	39.83	52700	Valve	18055	Valve	2598.13	36	0.312	52	0.18	0.06	7.02	0.91	0.277778	335	989	712	649	0.47	1.12							1250	Unknown		
63350	CLUSTER	YES	193900.4		20.48	19.35	39.83	52700	Valve	18056.15	Valve	2596.98	36	0.312	52	0.19	0.06	4.00	1.29	0.277778	335	1022	736	649	0.46	1.14							1250	Unknown		
63355	CLUSTER	YES	193901.2		21.21	18.61	39.83	52700	Valve	18056.88	Valve	2596.25	36	0.312	52	0.16	0.05	2.04	0.69	0.227778	335	1058	762	649	0.44	1.18							1250	Unknown		
63357	MELO-CORR	YES	193907.3		27.33	12.49	39.83	52700	Valve	18063	Valve	2590.13	36	0.312	52	0.15	0.05	1.14	0.16	5:41	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63358	GirthWeld		193919.8		39.82	39.89	39.89	52710	Valve	18075.49	Valve	2577.64	36	0.312	52					9:17	335			649									1250	Unknown		
63360	CLUSTER	YES	193929.9		10.14	29.75	39.89	52710	Valve	18085.63	Valve	2567.5	36	0.312	52	0.15	0.05	7.25	2.26	0.247222	335	1003	722	649	0.46	1.12							1250	Unknown		
63364	GirthWeld		193959.7		39.89	39.85	39.85	52720	Valve	18115.38	Valve	2537.75	36	0.312	52					0.288889	335			649									1250	Unknown		
63365	GirthWeld		193999.5		39.85	39.88	39.88	52730	Valve	18155.23	Valve	2497.9	36	0.312	52					0.416667	335			649									1250	Unknown		
63366	GirthWeld		194039.4		39.88	39.85	39.84	52740	Valve	18195.11	Valve	2458.02	36	0.312	52					7:23	335			649									1250	Unknown		
63367	GirthWeld		194079.2		39.85	39.83	39.83	52750	Valve	18234.96	Valve	2418.17	36	0.312	52					10:00	335			649									1250	Unknown		
63368	GirthWeld		194119.1		39.83	39.7	39.7	52760	Valve	18274.79	Valve	2378.34	36	0.312	52					0.504167	335			649									1250	Unknown		
63369	GirthWeld		194158.8		39.7	39.67	39.67	52770	Valve	18314.49	Valve	2338.64	36	0.312	52					0.3875	335			649									1250	Unknown		
63370	GirthWeld		194198.4		39.67	39.85	39.85	52780	Valve	18354.16	Valve	2298.97	36	0.312	52					0.5125	335			649									1250	Unknown		
63371	GirthWeld		194238.3		39.85	39.67	39.67	52790	Valve	18394.01	Valve	2259.12	36	0.312	52					10:30	335			649									1250	Unknown		
63372	GirthWeld		194278		39.67	39.72	39.72	52800	Valve	18433.68	Valve	2219.45	36	0.312	52					12:36	335			649									1250	Unknown		
63373	GirthWeld		194317.7		39.72	39.72	39.71	52810	Valve	18473.4	Valve	2179.73	36	0.312	52					0.426389	335			649									1250	Unknown		
63374	MELO-CORR	YES	194332.8		15.1	24.61	39.71	52810	Valve	18488.5	Valve	2164.63	36	0.312	52	0.16	0.05	0.87	0.16	0.252778	335	1071	771	649	0.43	1.19							1598	Metal Loss		
63375	MELO-CORR	YES	194333.1		15.42	24.3	39.71	52810	Valve	18488.82	Valve	2164.31	36	0.312	52	0.16	0.05	0.98	0.43	0.270833	335	1070	771	649	0.43	1.19							1598	Metal Loss		
63376	MELO-CORR	YES	194334.1		16.46	23.26	39.71	52810	Valve	18489.86	Valve	2163.27	36	0.312	52	0.18	0.06	1.14	0.16	6:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63377	GirthWeld		194357.4		39.72	39.87	39.87	52820	Valve	18513.12	Valve	2140.01	36	0.312	52					7:42	335			649									1250	Unknown		
63379	CLUSTER	YES	194360.5		3.05	36.82	39.87	52820	Valve	18516.17	Valve	2136.96	36	0.312	52	0.18	0.06	5.62	1.16	0.265278	335	1003	722	649	0.46	1.13							1250	Unknown		
63383	CLUSTER	YES	194376.4		18.96	20.91	39.87	52820	Valve	18532.08	Valve	2121.05	36	0.312	52	0.18	0.06	5.63	1.26	0.250694	335	1003	722	649	0.46	1.12							1250	Unknown		
63386	MELO-CORR	YES	194378.3		20.93	18.94	39.87	52820	Valve	18534.05	Valve	2119.08	36	0.312	52	0.19	0.06	2.32	0.79	0.250694	335	1050	756	649	0.44	1.17							1598	Metal Loss		
63387	MELO-CORR	YES	194379.4		21.98	17.89	39.87	52820	Valve	18535.1	Valve	2118.03	36	0.312	52	0.16	0.05	1.10	0.16	6:02	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63388	MELO-CORR	YES	194379.9		22.45	17.42	39.87	52820	Valve	18535.57	Valve	2117.57	36	0.312	52	0.2	0.06	1.10	0.20	6:04	335	1068	769	649	0.44	1.18							1598	Metal Loss		
63389	MELO-CORR	YES	194380.5		23.07	16.8	39.87	52820	Valve	18536.19	Valve	2116.94	36	0.312	52	0.22	0.07	1.10	0.20	0.251389	335	1067	768	649	0.44	1.18							1598	Metal Loss		
63391	CLUSTER	YES	194389.7		32.28	7.59	39.87	52820	Valve	18545.4	Valve	2107.73	36	0.312	52	0.15	0.05	5.48	1.04	0.250694	335	1017	733	649	0.46	1.13							1250	Unknown		
63394	GirthWeld		194397.3		39.87	37.9	37.9	52830	Valve	18552.99	Valve	2100.14	36	0.312	52					0.418056	335			649									1250	Unknown		
63396	CLUSTER	YES	194403.8		6.49	31.4	37.9	52830

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
63419	CLUSTER	YES	194517		6.34	33.34	39.68	52860	Valve	18672.74	Valve	1980.39	36	0.312	52	0.15	0.05	2.69	0.35	5:17	335	1051	757	649	0.44	1.17							1250	Unknown		
63421	GirthWeld		194550.4		39.68	38.01	38.02	52870	Valve	18706.08	Valve	1947.05	36	0.312	52					11:18	335			649									1250	Unknown		
63422	MELO-CORR	YES	194583.1		32.77	5.24	38.02	52870	Valve	18738.85	Valve	1914.28	36	0.312	52	0.2	0.06	1.14	0.20	0.273611	335	1067	768	649	0.44	1.18							1598	Metal Loss		
63423	MELO-CORR	YES	194585.2		34.84	3.17	38.02	52870	Valve	18740.92	Valve	1912.21	36	0.312	52	0.16	0.05	1.10	0.20	0.272917	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63424	GirthWeld		194588.4		38.01	39.75	39.75	52880	Valve	18744.09	Valve	1909.04	36	0.312	52					0.536111	335			649									1250	Unknown		
63425	GirthWeld		194628.1		39.75	39.41	39.41	52890	Valve	18783.84	Valve	1869.29	36	0.312	52					11:46	335			649									1250	Unknown		
63426	GirthWeld		194667.5		39.41	39.83	39.83	52900	Valve	18823.25	Valve	1829.88	36	0.312	52					1:30	335			649									1250	Unknown		
63428	CLUSTER	YES	194692.7		25.17	14.67	39.83	52900	Valve	18848.42	Valve	1804.71	36	0.312	52	0.15	0.05	6.35	0.88	0.277083	335	1010	727	649	0.46	1.13							1250	Unknown		
63431	MELO-CORR	YES	194696.4		28.83	11	39.83	52900	Valve	18852.08	Valve	1801.05	36	0.312	52	0.18	0.06	1.18	0.24	0.278472	335	1068	769	649	0.44	1.18							1598	Metal Loss		
63432	GirthWeld		194707.4		39.83	27.32	27.32	52910	Valve	18863.08	Valve	1790.05	36	0.312	52					0.465972	335			649									1250	Unknown		
63434	CLUSTER	YES	194714.1		6.76	20.56	27.32	52910	Valve	18869.84	Valve	1783.29	36	0.312	52	0.21	0.07	12.12	1.10	6:23	335	940	677	649	0.49	1.09							1250	Unknown		
63440	GirthWeld		194734.7		27.32	39.84	39.85	52920	Valve	18890.4	Valve	1762.73	36	0.312	52					1:18	335			649									1250	Unknown		
63441	GirthWeld		194774.5		39.84	39.91	39.91	52930	Valve	18930.24	Valve	1722.89	36	0.312	52					0.479167	335			649									1250	Unknown		
63442	GirthWeld		194814.4		39.91	39.54	39.54	52940	Valve	18970.15	Valve	1682.98	36	0.312	52					0.047222	335			649									1250	Unknown		
63443	GirthWeld		194854		39.54	35.67	35.68	52950	Valve	19009.69	Valve	1643.44	36	0.312	52					0.4875	335			649									1250	Unknown		
63444	GirthWeld		194889.6		35.67	39.13	39.12	52960	Valve	19045.36	Valve	1607.77	36	0.312	52					11:20	335			649									1250	Unknown		
63445	GirthWeld		194928.8		39.13	40.08	40.09	52970	Valve	19084.49	Valve	1568.64	36	0.312	52					12:22	335			649									1250	Unknown		
63446	GirthWeld		194968.9		40.08	39.35	39.34	52980	Valve	19124.57	Valve	1528.56	36	0.312	52					0.4875	335			649									1250	Unknown		
63447	GirthWeld		195008.2		39.35	37.99	37.99	52990	Valve	19163.92	Valve	1489.21	36	0.312	52					0.468056	335			649									1250	Unknown		
63448	GirthWeld		195046.2		37.99	39.99	39.99	53000	Valve	19201.91	Valve	1451.22	36	0.312	52					0.534722	335			649									1250	Unknown		
63449	GirthWeld		195086.2		39.99	39.7	39.7	53010	Valve	19241.9	Valve	1411.23	36	0.312	52					11:00	335			649									1250	Unknown		
63450	GirthWeld		195125.9		39.7	34.65	34.65	53020	Valve	19281.6	Valve	1371.53	36	0.312	52					1:58	335			649									1250	Unknown		
63451	GirthWeld		195160.5		34.65	31.89	31.89	53030	Valve	19316.25	Valve	1336.88	36	0.312	52					0.445833	335			649									1250	Unknown		
63452	GirthWeld		195192.4		31.89	39.79	39.79	53040	Valve	19348.14	Valve	1304.99	36	0.312	52					0.061111	335			649									1250	Unknown		
63453	GirthWeld		195232.2		39.79	39.8	39.8	53050	Valve	19387.93	Valve	1265.2	36	0.312	52					0.463889	335			649									1250	Unknown		
63454	GirthWeld		195272		39.8	39.3	39.3	53060	Valve	19427.73	Valve	1225.4	36	0.312	52					2:14	335			649									1250	Unknown		
63455	GirthWeld		195311.3		39.3	36.55	36.55	53070	Valve	19467.03	Valve	1186.1	36	0.312	52					10:30	335			649									1250	Unknown		
63456	GirthWeld		195347.9		36.55	39.86	39.86	53080	Valve	19503.58	Valve	1149.55	36	0.312	52					0.081944	335			649									1250	Unknown		
63458	CLUSTER	YES	195386.6		38.69	1.17	39.86	53080	Valve	19542.27	Valve	1110.86	36	0.312	52	0.22	0.07	4.54	3.71	0.229861	335	1002	721	649	0.46	1.13							1250	Unknown		
63462	CLUSTER	YES	195386.7		38.88	0.98	39.86	53080	Valve	19542.46	Valve	1110.67	36	0.312	52	0.2	0.06	1.76	1.16	0.263194	335	1058	762	649	0.44	1.17							1250	Unknown		
63468	GirthWeld		195387.7		39.86	39.85	39.85	53090	Valve	19543.44	Valve	1109.69	36	0.312	52					10:42	335			649									1250	Unknown		
63470	CLUSTER	YES	195387.9		0.17	39.68	39.85	53090	Valve	19543.61	Valve	1109.52	36	0.312	52	0.2	0.06	9.25	1.79	6:10	335	961	692	649	0.48	1.10							1250	Unknown		
63480	CLUSTER	YES	195393.5		5.76	34.09	39.85	53090	Valve	19549.2	Valve	1103.93	36	0.312	52	0.27	0.08	3.71	1.32	0.245139	335	1001	721	649	0.46	1.14							1250	Unknown		
63485	CLUSTER	YES	195396		8.23	31.63	39.85	53090	Valve	19551.67	Valve	1101.46	36	0.312	52	0.22	0.07	1.64	2.80	0.257639	335	1058	762	649	0.44	1.18							1250	Unknown		
63489	CLUSTER	YES	195398.7		10.97	28.88	39.85	53090	Valve	19554.41	Valve	1098.72	36	0.312	52	0.17	0.05	4.79	2.73	0.254167	335	1017	732	649	0.46	1.14							1250	Unknown		
63496	CLUSTER	YES	195399.2		11.45	28.41	39.85	53090	Valve	19554.89	Valve	1098.24	36	0.312	52	0.24	0.08	5.06	6.38	5:53	335	984	709	649	0.47	1.12							1250	Unknown		
63503	MELO-CORR	YES	195399.5		11.78	28.07	39.85	53090	Valve	19555.22	Valve	1097.91	36	0.312	52	0.27	0.08	1.10	0.28	6:28	335	1064	766	649	0.44	1.18							1598	Metal Loss		
63505	CLUSTER	YES	195401		13.29	26.57	39.85	53090	Valve	19556.73	Valve	1096.4	36	0.312	52	0.15	0.05	2.33	1.89	0.2625	335	1056	760	649	0.44	1.17							1250	Unknown		
63507	MELO-CORR	YES	195401.8		14.03	25.83	39.85	53090	Valve	19557.47	Valve	1095.66	36	0.312	52	0.23	0.07	1.18	0.35	0.281944	335	1065	767	649	0.44	1.18							1598	Metal Loss		
63509	CLUSTER	YES	195402.1		14.4	25.45	39.85	53090	Valve	19557.84	Valve	1095.29	36	0.312	52	0.21	0.07	6.58	2.92	0.280556	335	978	704	649	0.48	1.10							1250	Unknown		
63513	CLUSTER	YES	195402.3		14.58	25.27	39.85	53090	Valve	19558.02	Valve	1095.11	36	0.312	52	0.16	0.05	3.72	2.61	5:58	335	1035	745	649	0.45	1.15							1250	Unknown		
63518	MELO-CORR	YES	195402.8		15.05	24.8	39.85	53090	Valve	19558.49	Valve	1094.64	36	0.312	52	0.16	0.05	1.69	0.47	6:55	335	1063	765	649	0.44	1.18							1598	Metal Loss		
63520	CLUSTER	YES	195402.8		15.1	24.76	39.85	53090	Valve	19558.54	Valve	1094.59	36	0.312	52	0.18	0.06	7.76	3.96	0.242361	335	983	708	649	0.47	1.11							1250	Unknown		
63529	CLUSTER	YES	195404.1		16.4	23.45	39.85	53090	Valve	19559.85	Valve	1093.29	36	0.312	52	0.2	0.06	5.60	0.66	0.284722	335	995	716	649	0.47	1.13							1250	Unknown		
63531	MELO-CORR	YES	195404.8		17.05	22.8	39.85	53090	Valve	19560.49	Valve	1092.64	36	0.312	52	0.24	0.08	1.34	0.55	0.289583	335	1062	765	649	0.44	1.18							1598	Metal Loss		
63532	MELO-CORR	YES	195404.8		17.12	22.74	39.85	53090	Valve	19560.56	Valve	1092.57	36	0.312	52	0.17	0.05	2.56	0.59	5:38	335	1049	755	649	0.44	1.16							1598	Metal Loss		
63534	CLUSTER	YES	195405		17.32	22.53	39.85	53090	Valve	19560.76	Valve	1092.37	36	0.312	52	0.29	0.09	8.09	3.68	5:54	335	916	659	649	0.51	1.08							1250	Unknown		
63541	MELO-CORR	YES	195405.8		18.05	21.8	39.85	53090	Valve	19561.49	Valve	1091.64	36	0.312	52	0.15	0.05	1.22	0.28	0.288889	335	1069	769	649	0.44	1.19							1598	Metal Loss		
63542	MELO-CORR	YES	195406.9		19.14	20.71	39.85	53090	Valve	19562.58	Valve	1090.55	36	0.312	52	0.15	0.05	1.10	0.51	0.295833	335	1070	770	649	0.43	1.19							1598	Metal Loss		
63544	CLUSTER	YES	195407.1		19.34	20.51	39.85	53090	Valve	19562.78	Valve	1090.35	36	0.312	52	0.24	0.08	8.63	3.11	0.240278	335	941	678	649	0.49	1.10							1250	Unknown		
63546	CLUSTER	YES	195407.1		19.42	20.43	39.85	53090	Valve	19562.86	Valve	1090.27	36	0.312	52	0.18	0.06	4.12	1.38	6:58	335	1022	736	649	0.46	1.15							1250	Unknown		
63551	MELO-CORR	YES	195407.3		19.62	20.23	39.85	53090	Valve	19563.06	Valve	1090.07	36	0.312	52	0.16	0.05	2.32	0.59	5:36	335	1054	759	649	0.44	1.17							1598	Metal Loss		
63556	CLUSTER	YES	195407.7		19.98	19.88	39.85	53090	Valve	19563.42	Valve	1089.71	36	0.312	52	0.18	0.06	5.26	1.45	0.264583	335	1007	725	649	0.46	1.13							1250	Unknown		
63560	MELO-CORR	YES	195408.3		20.56	19.29	39.85	53090	Valve	19564	Valve	1089.13	36	0.312	52	0.21	0.07	1.10	0.20	0.293056	335	1067	768	649	0.44	1.18							1598	Metal Loss		
63562	CLUSTER	YES	195408.6		20.86	18.99	39.85	53090	Valve	19564.3	Valve	1088.83	36	0.312	52	0.18	0.06	4.18	2.89	0.273611	335	1022	736	649	0.46	1.14							1250	Unknown		
63564	MELO-CORR	YES	195408.6		20.92	18.94	39.85	53090	Valve	19564.36	Valve	1088.77	36	0.312	52	0.19	0.06	1.06	0.55	7:07	335	1069	769	649	0.44	1.19							1598	Metal Loss		
63566	MELO-CORR	YES	195409.5		21.76	18.1	39.85	53090	Valve	19565.2	Valve	1087.93	36	0.312	52	0.21	0.07	1.06	0.47	5:59	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63567	MELO-CORR	YES	195409.5		21.82	18.04	39.85	53090	Valve	19565.26	Valve	1087.87	36	0.312	52	0.16	0.05	2.68	0.63	0.26875	335	1049	755	649	0.44	1.16							1598	Metal Loss		
63569	CLUSTER	YES	195411.2		23.49	16.37	39.85	53090	Valve	19566.93	Valve	1086.2	36	0.312	52	0.35	0.11	13.32	2.77	0.270833	335	833	600	649	0.56	1.04							1250	Unknown		
63575	MELO-CORR	YES	195412		24.24	15.61	39.85	53090	Valve	19567.68	Valve	1085.45	36	0.312	52	0.16	0.05	1.81	0.63	0.261111	335	1061	764	649	0.44	1.18							1598	Metal Loss		
63578	CLUSTER	YES	195412.2		24.51	15.34	39.85	53090	Valve	19567.95	Valve	1085.18	36	0.312	52	0.2	0.06	4.78	1.32	5:34	335	1006	724	649	0.46	1.13							1250	Unknown		
63582	CLUSTER	YES	195412.4		24.71	15.14	39.85	53090	Valve	19568.15	Valve	1084.98	36	0.312	52	0.22	0.07	3.74	1.67	6:36	335	1016	732	649	0.46	1.14							1250	Unknown		
63585	CLUSTER	YES	195413.1		25.33	14.52	39.85	53090	Valve	19568.77	Valve	1084.36	36	0.312	52	0.2	0.06	13.56	3.61	0.263889	335	942	678	649	0.49	1.06							1250	Unknown		
63587	MELO-CORR	YES	195413.2		25.43	14.42	39.85	53090	Valve	19568.88	Valve	1084.26	36	0.312	52	0.2	0.06	2.05	0.98	0.229167	335	1053	758	649	0.44	1.17							1598	Metal Loss		
63593	MELO-CORR	YES	195414		26.31	13.54	39.85	53090	Valve	19569.75	Valve	1083.38	36	0.312	52	0.16	0.05	1.14	0.43	0.291667	335	1069	770	649	0.44	1.19							1598	Metal Loss		
63594	MELO-CORR	YES	195414.1		26.38	13.48	39.85	53090	Valve	19569.82	Valve	1083.31	36	0.312	52	0.21	0.07	1.18	0.39	5:56	335	1066	768	649	0.44	1.18							1598	Metal Loss		
63596	CLUSTER	YES	195414.3		26.58	13.27	39.85	53090	Valve	19570.02	Valve	1083.11	36	0.312	52	0.3	0.09	14.45	5.72	5:50	335	866	623	649	0.54	1.04							1250	Unknown		
63600	MELO-CORR	YES	195414.6		26.91	12.95	39.85	53090	Valve	19570.35	Valve	1082.78	36	0.312	52	0.23	0.07	1.02	0.47	0.228472	335	1067	769	649	0.44	1.18							1598	Metal Loss		
63608	CLUSTER	YES	195414.8		27.03	12.83	39.85	53090	Valve	19570.47	Valve	1082.66	36	0.312	52	0.15	0.05	1.48	0.63	0.28125	335	1066	768	649	0.44	1.18							1250	Unknown		
63613	MELO-CORR	YES	195415		27.3	12.55	39.85	53090	Valve	19570.74	Valve	1082.39	36	0.312	52	0.17	0.05	1.81	0.63	0.2125	335	1060	763	649	0.44	1.18							1598	Metal Loss		
63616	CLUSTER	YES	195415.1		27.42	12.43	39.85	53090	Valve	19570.86	Valve	1082.27	36	0.312	52	0.16	0.05	3.14	1.57	5:30	335	1042	751	649	0.45	1.16							1250	Unknown		
63625	CLUSTER	YES	195415.6		27.84	12.02	39.85	53090	Valve	19571.28	Valve	1081.85	36	0.312	52	0.22	0.07	1.14	0.88	6:11	335	1066	768	649	0.44	1.18							1250	Unknown		
63627	MELO-CORR	YES	195415.8		28.03	11.83	39.85	53090	Valve	19571.47	Valve	1081.66	36	0.312	52	0.22	0.07	1.14	0.16	0.247917	335	1066	768	649	0.44	1.18							1598	Metal Loss		
63629	CLUSTER	YES	195415.8		28.11	11.74	39.85	53090	Valve	19571.55	Valve	1081.58	36	0.312	52	0.15	0.05	2.99	0.82	0.2625	335	1047	754	649	0.44	1.16							1250	Unknown		
63632	CLUSTER	YES	195416.6		28.87	10.99	39.85	53090	Valve	19572.31	Valve	1080.82	36	0.312	52	0.19	0.06	2.99	0.97	0.241667	335	1038	747	649	0.45	1.15							1250	Unknown		
63635	CLUSTER	YES	195417.1		29.34	10.52	39.85	53090	Valve	19572.78	Valve	1080.35	36	0.312	52	0.43	0.13	26.42	8.45	5:51	335	733	527	649	0.64	0.96							1250	Unknown		
63637	CLUSTER	YES	195417.1		29.4	10.45	39.85	53090	Valve	19572.84	Valve	1080.29	36	0.312	52	0.15	0.05	3.83	1.32	6:19	335	1036	746	649	0.45	1.15							1250	Unknown		
63643	MELO-CORR	YES	195417.6		29.91	9.94	39.85	53090	Valve	19573.35	Valve	1079.78	36	0.312	52	0.17	0.05	2.60	0.71	0.227778	335	1049	755	649	0.44	1.16							1598	Metal Loss		
63651	CLUSTER	YES	195418.1		30.35	9.51	39.85	53090	Valve	19573.79	Valve	1079.34	36	0.312	52	0.15	0.05	3.08	1.54	0.263889	335	1046	753	649	0.44	1.16							1250	Unknown		
63670	CLUSTER	YES	195420.4		32.64	7.21	39.85	53090	Valve	19576.08	Valve	1077.05	36	0.312	52	0.24	0.08	8.84	6.10	0.241667	335	939	676	649	0.50	1.07							1250	Unknown		
63683	CLUSTER	YES	195421.2		33.48	6.37	39.85	53090	Valve	19576.92	Valve	1076.21	36	0.312	52	0.39	0.12	16.14	2.55	5:45	335	789	568	649	0.59	0.97							1250	Unknown		
63685	MELO-CORR	YES	195421.4		33.66	6.19	39.85	53090	Valve	19577.1	Valve	1076.03	36	0.312	52	0.18	0.06	2.05	0.51	6:31	335	1056	760	649	0.44	1.17							1598	Metal Loss		
63693	CLUSTER	YES	195422.1		34.36	5.5	39.85	53090	Valve	19577.8	Valve	1075.33	36	0.312	52	0.31	0.10	9.97	1.73	0.261806	335	885	637	649	0.53	1.02							1250	Unknown		
63703	CLUSTER	YES	195422.8		35.1	4.75	39.85	53090	Valve	19578.54	Valve	1074.59	36	0.312	52	0.26	0.08	3.91	1.35	0.241667	335	1000	720	649	0.47	1.12							1250	Unknown		
63706	CLUSTER	YES	195423.1		35.41	4.45	39.85	53090	Valve	19578.85	Valve	1074.28	36	0.312	52	0.25	0.08	4.13	1.45	0.261111	335	998	719	649	0.47	1.11							1250	Unknown		
63710	CLUSTER	YES	195423.4		35.64	4.21	39.85	53090	Valve	19579.08	Valve	1074.05	36	0.312	52	0.21	0.07	6.32	2.52	5:46	335	981	706	649	0.47	1.09							1250	Unknown		
63715	CLUSTER	YES	195423.8		36.08	3.77	39.85	53090	Valve	19579.52	Valve	1073.61	36	0.312	52	0.35	0.11	8.70	1.54	6:17	335	870	626	649	0.53	1.08							1250	Unknown		
63720	CLUSTER	YES	195424.2		36.49	3.37	39.85	53090	Valve	19579.93	Valve	1073.2	36	0.312	52	0.26	0.08	8.78	1.89	0.246528	335	928	668	649	0.50	1.08							1250	Unknown		
63726	CLUSTER	YES	195425.5		37.77	2.08	39.85	53090	Valve	19581.21	Valve	1071.92	36	0.312	52	0.35	0.11	4.37	0.69	0.265278	335	953	686	649	0.49	1.12							1250	Unknown		
63730	CLUSTER	YES	195425.9		38.17	1.68	39.85	53090	Valve	19581.61	Valve	1071.52	36	0.312	52	0.16	0.05	2.83	1.26	0.242361	335	1047	754	649	0.44	1.16							1250	Unknown		
63733	CLUSTER	YES	195426		38.29	1.57	39.85	53090	Valve	19581.73	Valve	1071.4	36	0.312	52	0.27	0.08	1.99	0.91	6:18	335	1045	752	649	0.45	1.17							1250	Unknown		
63736	CLUSTER	YES	195427.3		39.62	0.24	39.85	53090	Valve	19583.06	Valve	1070.07	36	0.312	52	0.17	0.05	2.80	3.02	5:46	335	1046	753	649	0.45	1.16							1250	Unknown		
63738	GirthWeld		195427.6		39.85	39.87	39.87	53100	Valve	19583.29	Valve	1069.84	36	0.312	52					0.064583	335			649									1250	Unknown		
63739	MELO-CORR	YES	195427.6		0.02	39.85	39.87	53100	Valve	19583.31	Valve	1069.82	36	0.312	52	0.2	0.06	2.24	0.59	0.290972	335	1050	756	649	0.44	1.17							1598	Metal Loss		
63741	CLUSTER	YES	195427.6		0.05	39.82	39.87	53100	Valve	19583.34	Valve	1069.79	36	0.312	52	0.2	0.06	7.58	5.59	0.240278	335	973	701	649	0.48	1.11							1250	Unknown		
63750	CLUSTER	YES	195428.7		1.11	38.75	39.87	53100	Valve	19584.4	Valve	1068.73	36	0.312	52	0.27	0.08	10.98	2.77	6:19	335	905	651	649	0.51	1.04							1250	Unknown		
63758	MELO-CORR	YES	195429.5		1.88	37.99	39.87	53100	Valve	19585.17	Valve	1067.96	36	0.312	52	0.16	0.05	1.42	0.67	5:23	335	1066	768	649	0.44	1.18							1598	Metal Loss		
63761	CLUSTER	YES	195429.6		2.03	37.84	39.87	53100	Valve	19585.32	Valve	1067.81	36	0.312	52	0.21	0.07	3.59	1.86	0.240278	335	1022	736	649	0.46	1.15							1250	Unknown		
63764	MELO-CORR	YES	195429.9		2.28	37.59	39.87	53100	Valve	19585.57	Valve	1067.56	36	0.312	52	0.23	0.07	1.22	0.47	0.263194	335	1065	766	649	0.44	1.18							1598	Metal Loss		
63765	MELO-CORR	YES	195430		2.47	37.4	39.87	53100	Valve	19585.76	Valve	1067.37	36	0.312	52	0.17	0.05	1.18	0.16	0.245139	335	1068	769	649	0.44	1.19							1598	Metal Loss		
63766	MELO-CORR	YES	195430.1		2.52	37.35	39.87	53100	Valve	19585.81	Valve	1067.32	36	0.312	52	0.22

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)						
64027	CLUSTER	YES	195443.4		15.78	24.09	39.87	53100	Valve	19599.07	Valve	1054.06	36	0.312	52	0.16	0.05	3.64	0.76	5:06	335	1036	746	649	0.45	1.15							1250	Unknown		
64038	MELO-CORR	YES	195443.9		16.33	23.54	39.87	53100	Valve	19599.62	Valve	1053.51	36	0.312	52	0.16	0.05	1.73	0.20	5:10	335	1062	765	649	0.44	1.18							1598	Metal Loss		
64042	CLUSTER	YES	195444.3		16.73	23.14	39.87	53100	Valve	19600.02	Valve	1053.11	36	0.312	52	0.33	0.10	11.44	3.68	0.230556	335	859	619	649	0.54	1.06							1250	Unknown		
64046	CLUSTER	YES	195444.6		17.07	22.8	39.87	53100	Valve	19600.36	Valve	1052.77	36	0.312	52	0.22	0.07	2.65	0.57	0.283333	335	1039	748	649	0.45	1.16							1250	Unknown		
64054	CLUSTER	YES	195445		17.47	22.4	39.87	53100	Valve	19600.76	Valve	1052.37	36	0.312	52	0.15	0.05	5.17	2.01	0.215278	335	1021	735	649	0.46	1.13							1250	Unknown		
64058	MELO-CORR	YES	195445.4		17.87	22	39.87	53100	Valve	19601.16	Valve	1051.97	36	0.312	52	0.16	0.05	1.22	0.59	5:39	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64059	MELO-CORR	YES	195446		18.38	21.49	39.87	53100	Valve	19601.67	Valve	1051.46	36	0.312	52	0.22	0.07	1.10	0.55	5:15	335	1067	768	649	0.44	1.18							1598	Metal Loss		
64060	MELO-CORR	YES	195446.1		18.48	21.39	39.87	53100	Valve	19601.77	Valve	1051.36	36	0.312	52	0.23	0.07	1.10	0.47	0.278472	335	1066	768	649	0.44	1.18							1598	Metal Loss		
64061	MELO-CORR	YES	195446.3		18.7	21.17	39.87	53100	Valve	19601.99	Valve	1051.14	36	0.312	52	0.23	0.07	1.22	0.63	0.282639	335	1065	766	649	0.44	1.18							1598	Metal Loss		
64063	CLUSTER	YES	195446.6		19.02	20.85	39.87	53100	Valve	19602.31	Valve	1050.82	36	0.312	52	0.2	0.06	8.65	7.89	0.21875	335	965	695	649	0.48	1.10							1250	Unknown		
64064	MELO-CORR	YES	195446.7		19.16	20.71	39.87	53100	Valve	19602.45	Valve	1050.68	36	0.312	52	0.22	0.07	1.22	0.55	5:06	335	1065	767	649	0.44	1.18							1598	Metal Loss		
64070	MELO-CORR	YES	195447		19.41	20.45	39.87	53100	Valve	19602.7	Valve	1050.43	36	0.312	52	0.21	0.07	1.22	0.35	6:23	335	1066	767	649	0.44	1.18							1598	Metal Loss		
64076	CLUSTER	YES	195447.7		20.08	19.79	39.87	53100	Valve	19603.37	Valve	1049.76	36	0.312	52	0.19	0.06	1.22	1.04	0.254861	335	1067	768	649	0.44	1.18							1250	Unknown		
64079	CLUSTER	YES	195447.9		20.32	19.55	39.87	53100	Valve	19603.61	Valve	1049.52	36	0.312	52	0.36	0.11	38.87	7.64	0.227778	335	777	560	649	0.60	1.01							1250	Unknown		
64082	CLUSTER	YES	195448		20.47	19.4	39.87	53100	Valve	19603.76	Valve	1049.37	36	0.312	52	0.23	0.07	3.04	0.72	0.259028	335	1028	740	649	0.45	1.16							1250	Unknown		
64090	CLUSTER	YES	195448.5		20.94	18.93	39.87	53100	Valve	19604.23	Valve	1048.9	36	0.312	52	0.15	0.05	8.60	2.45	6:15	335	994	716	649	0.47	1.11							1250	Unknown		
64093	MELO-CORR	YES	195448.8		21.21	18.66	39.87	53100	Valve	19604.5	Valve	1048.63	36	0.312	52	0.22	0.07	1.10	0.43	5:26	335	1067	768	649	0.44	1.18							1598	Metal Loss		
64107	CLUSTER	YES	195449.4		21.87	18	39.87	53100	Valve	19605.16	Valve	1047.97	36	0.312	52	0.17	0.05	3.28	2.11	0.218056	335	1038	748	649	0.45	1.16							1250	Unknown		
64122	MELO-CORR	YES	195450.2		22.67	17.2	39.87	53100	Valve	19605.96	Valve	1047.17	36	0.312	52	0.18	0.06	1.10	0.39	0.283333	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64129	MELO-CORR	YES	195450.6		23.06	16.81	39.87	53100	Valve	19606.35	Valve	1046.78	36	0.312	52	0.17	0.05	1.14	0.20	0.215278	335	1069	769	649	0.44	1.19							1598	Metal Loss		
64131	CLUSTER	YES	195450.7		23.13	16.74	39.87	53100	Valve	19606.42	Valve	1046.71	36	0.312	52	0.17	0.05	24.40	5.97	5:48	335	947	682	649	0.49	1.08							1250	Unknown		
64136	MELO-CORR	YES	195451.1		23.54	16.33	39.87	53100	Valve	19606.83	Valve	1046.3	36	0.312	52	0.24	0.08	1.10	0.20	5:09	335	1066	767	649	0.44	1.18							1598	Metal Loss		
64149	CLUSTER	YES	195451.7		24.15	15.72	39.87	53100	Valve	19607.44	Valve	1045.69	36	0.312	52	0.16	0.05	3.37	1.48	0.223611	335	1039	748	649	0.45	1.16							1250	Unknown		
64154	MELO-CORR	YES	195452		24.42	15.45	39.87	53100	Valve	19607.71	Valve	1045.42	36	0.312	52	0.15	0.05	1.22	0.43	0.279167	335	1069	769	649	0.44	1.19							1598	Metal Loss		
64161	CLUSTER	YES	195452.3		24.68	15.19	39.87	53100	Valve	19607.97	Valve	1045.16	36	0.312	52	0.16	0.05	4.70	5.15	0.218056	335	1022	736	649	0.46	1.13							1250	Unknown		
64167	CLUSTER	YES	195452.4		24.87	15	39.87	53100	Valve	19608.16	Valve	1044.97	36	0.312	52	0.27	0.08	3.08	1.42	6:41	335	1017	732	649	0.46	1.14							1250	Unknown		
64171	CLUSTER	YES	195452.5		24.96	14.91	39.87	53100	Valve	19608.25	Valve	1044.88	36	0.312	52	0.19	0.06	10.61	11.15	5:22	335	960	691	649	0.48	1.10							1250	Unknown		
64186	CLUSTER	YES	195453.4		25.86	14.01	39.87	53100	Valve	19609.15	Valve	1043.98	36	0.312	52	0.18	0.06	4.54	0.57	0.290972	335	1017	732	649	0.46	1.14							1250	Unknown		
64189	CLUSTER	YES	195453.7		26.13	13.74	39.87	53100	Valve	19609.42	Valve	1043.71	36	0.312	52	0.19	0.06	6.53	1.73	0.238889	335	989	712	649	0.47	1.11							1250	Unknown		
64193	CLUSTER	YES	195453.9		26.32	13.55	39.87	53100	Valve	19609.61	Valve	1043.52	36	0.312	52	0.2	0.06	4.33	3.87	0.215278	335	1013	729	649	0.46	1.14							1250	Unknown		
64198	MELO-CORR	YES	195454.8		27.23	12.64	39.87	53100	Valve	19610.52	Valve	1042.61	36	0.312	52	0.23	0.07	1.14	0.20	6:22	335	1066	767	649	0.44	1.18							1598	Metal Loss		
64200	CLUSTER	YES	195455.5		27.95	11.92	39.87	53100	Valve	19611.24	Valve	1041.89	36	0.312	52	0.15	0.05	1.31	0.69	6:20	335	1068	769	649	0.44	1.18							1250	Unknown		
64202	MELO-CORR	YES	195455.6		28.01	11.86	39.87	53100	Valve	19611.3	Valve	1041.83	36	0.312	52	0.24	0.08	1.34	0.24	0.241667	335	1062	765	649	0.44	1.18							1598	Metal Loss		
64203	MELO-CORR	YES	195456		28.43	11.44	39.87	53100	Valve	19611.72	Valve	1041.41	36	0.312	52	0.16	0.05	1.06	0.51	0.238194	335	1070	770	649	0.44	1.19							1598	Metal Loss		
64205	CLUSTER	YES	195456.3		28.77	11.1	39.87	53100	Valve	19612.06	Valve	1041.07	36	0.312	52	0.17	0.05	2.45	3.02	0.21875	335	1051	757	649	0.44	1.17							1250	Unknown		
64209	CLUSTER	YES	195457.5		29.97	9.9	39.87	53100	Valve	19613.26	Valve	1039.87	36	0.312	52	0.18	0.06	8.39	2.36	5:46	335	979	705	649	0.48	1.11							1250	Unknown		
64213	MELO-CORR	YES	195460.7		33.17	6.7	39.87	53100	Valve	19616.46	Valve	1036.67	36	0.312	52	0.17	0.05	1.22	0.32	6:28	335	1068	769	649	0.44	1.18							1598	Metal Loss		
64214	GirthWeld		195467.4		39.87	38.76	38.76	53110	Valve	19623.16	Valve	1029.97	36	0.312	52					0.434722	335			649									1250	Unknown		
64215	MELO-CORR	YES	195469.5		2.04	36.71	38.76	53110	Valve	19625.2	Valve	1027.93	36	0.312	52	0.18	0.06	1.14	0.20	0.24375	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64217	CLUSTER	YES	195471.4		3.98	34.78	38.76	53110	Valve	19627.14	Valve	1025.99	36	0.312	52	0.16	0.05	1.73	1.86	0.254861	335	1062	765	649	0.44	1.18							1250	Unknown		
64220	CLUSTER	YES	195472.3		4.88	33.88	38.76	53110	Valve	19628.04	Valve	1025.09	36	0.312	52	0.18	0.06	4.46	2.42	6:07	335	1018	733	649	0.46	1.14							1250	Unknown		
64224	MELO-CORR	YES	195473.1		5.65	33.11	38.76	53110	Valve	19628.81	Valve	1024.32	36	0.312	52	0.15	0.05	1.10	0.28	6:05	335	1070	770	649	0.43	1.19							1598	Metal Loss		
64226	CLUSTER	YES	195474.1		6.67	32.09	38.76	53110	Valve	19629.83	Valve	1023.3	36	0.312	52	0.15	0.05	1.24	0.41	0.245833	335	1069	769	649	0.44	1.19							1250	Unknown		
64228	MELO-CORR	YES	195477.1		9.7	29.05	38.76	53110	Valve	19632.86	Valve	1020.27	36	0.312	52	0.26	0.08	1.26	0.20	0.239583	335	1062	765	649	0.44	1.18							1598	Metal Loss		
64230	CLUSTER	YES	195489.4		21.92	16.83	38.76	53110	Valve	19645.08	Valve	1008.05	36	0.312	52	0.16	0.05	14.32	1.67	0.245833	335	968	697	649	0.48	1.09							1250	Unknown		
64237	CLUSTER	YES	195493		25.59	13.17	38.76	53110	Valve	19648.75	Valve	1004.38	36	0.312	52	0.15	0.05	3.95	0.57	6:17	335	1034	745	649	0.45	1.14							1250	Unknown		
64239	MELO-CORR	YES	195495		27.51	11.25	38.76	53110	Valve	19650.67	Valve	1002.46	36	0.312	52	0.19	0.06	1.10	0.16	6:20	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64240	MELO-CORR	YES	195497.2		29.79	8.97	38.76	53110	Valve	19652.95	Valve	1000.18	36	0.312	52	0.17	0.05	1.10	0.16	0.246528	335	1069	770	649	0.44	1.19							1598	Metal Loss		
64241	MELO-CORR	YES	195499.6		32.2	6.56	38.76	53110	Valve	19655.36	Valve	997.77	36	0.312	52	0.18	0.06	1.10	0.20	0.257639	335	1069	769	649	0.44	1.19							1598	Metal Loss		
64242	GirthWeld		195506.2		38.76	38.38	38.38	53120	Valve	19661.92	Valve	991.21	36	0.312	52					0.088194	335			649									1250	Unknown		
64244	CLUSTER	YES	195514.1		7.89	30.48	38.38	53120	Valve	19669.81	Valve	983.32	36	0.312	52	0.23	0.07	2.92	1.10	6:38	335	1031	742	649	0.45	1.16							1250	Unknown		
64245	MELO-CORR	YES	195514.1		7.9	30.48	38.38	53120	Valve	19669.82	Valve	983.31	36	0.312	52	0.15	0.05	1.42	1.10	5:27	335	1067	768	649	0.44	1.18							1598	Metal Loss		
64247	GirthWeld		195544.6		38.38	39.16	39.17	53130	Valve	19700.3	Valve	952.83	36	0.312	52					0.455556	335			649									1250	Unknown		
64248	GirthWeld		195583.7		39.16	39.71	39.71	53140	Valve	19739.46	Valve	913.67	36	0.312	52					0.058333	335			649									1250	Unknown		
64249	GirthWeld		195623.5		39.71	39.84	39.84	53150	Valve	19779.17	Valve	873.96	36	0.312	52					0.445833	335			649									1250	Unknown		
64250	GirthWeld		195663.3		39.84	39.17	39.17	53160	Valve	19819.01	Valve	834.12	36	0.312	52					1:12	335			649									1250	Unknown		
64251	GirthWeld		195702.5		39.17	39.84	39.84	53170	Valve	19858.18	Valve	794.95	36	0.312	52					10:54	335			649									1250	Unknown		
64252	GirthWeld		195742.3		39.84	39.72	39.72	53180	Valve	19898.02	Valve	755.11	36	0.312	52					0.05	335			649									1250	Unknown		
64253	GirthWeld		195782		39.72	39.43	39.43	53190	Valve	19937.74	Valve	715.39	36	0.312	52					0.45	335			649									1250	Unknown		
64254	GirthWeld		195821.5		39.43	39.82	39.82	53200	Valve	19977.17	Valve	675.96	36	0.312	52					0.065972	335			649									1250	Unknown		
64255	GirthWeld		195861.3		39.82	39.82	39.82	53210	Valve	20016.99	Valve	636.14	36	0.312	52					10:50	335			649									1250	Unknown		
64256	GirthWeld		195901.1		39.82	39.44	39.44	53220	Valve	20056.81	Valve	596.32	36	0.312	52					1:42	335			649									1250	Unknown		
64257	GirthWeld		195940.5		39.44	39.9	39.9	53230	Valve	20096.25	Valve	556.88	36	0.312	52					0.454167	335			649									1250	Unknown		
64258	GirthWeld		195980.4		39.9	39.22	39.22	53240	Valve	20136.15	Valve	516.98	36	0.312	52					0.066667	335			649									1250	Unknown		
64259	GirthWeld		196019.7		39.22	39.67	39.67	53250	Valve	20175.37	Valve	477.76	36	0.312	52					0.458333	335			649									1250	Unknown		
64260	GirthWeld		196059.3		39.67	39.8	39.8	53260	Valve	20215.04	Valve	438.09	36	0.312	52					1:38	335			649									1250	Unknown		
64261	GirthWeld		196099.1		39.8	35.57	35.57	53270	Valve	20254.84	Valve	398.29	36	0.312	52					10:51	335			649									1250	Unknown		
64262	MELO-CORR	YES	196113.8		14.67	20.89	35.57	53270	Valve	20269.51	Valve	383.62	36	0.312	52	0.18	0.06	1.14	0.20	0.255556	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64263	MELO-CORR	YES	196121.9		22.77	12.8	35.57	53270	Valve	20277.61	Valve	375.52	36	0.312	52	0.24	0.08	1.22	0.51	0.233333	335	1064	766	649	0.44	1.18							1598	Metal Loss		
64264	GirthWeld		196134.7		35.57	37.92	37.93	53280	Valve	20290.41	Valve	362.72	36	0.312	52					0.102083	335			649									1250	Unknown		
64266	CLUSTER	YES	196134.9		0.16	37.77	37.93	53280	Valve	20290.57	Valve	362.56	36	0.312	52	0.23	0.07	5.09	1.95	5:54	335	989	712	649	0.47	1.13							1250	Unknown		
64270	GirthWeld		196172.6		37.92	39.7	39.7	53290	Valve	20328.33	Valve	324.8	36	0.312	52					11:11	335			649									1250	Unknown		
64271	MELO-CORR	YES	196206.3		33.7	6	39.7	53290	Valve	20362.03	Valve	291.1	36	0.312	52	0.17	0.05	1.18	0.20	0.224306	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64272	MELO-CORR	YES	196211.9		39.25	0.45	39.7	53290	Valve	20367.58	Valve	285.55	36	0.312	52	0.21	0.07	1.22	0.20	0.275	335	1066	767	649	0.44	1.18							1598	Metal Loss		
64273	GirthWeld		196212.3		39.7	35	35	53300	Valve	20368.03	Valve	285.1	36	0.312	52					0.050694	335			649									1250	Unknown		
64275	CLUSTER	YES	196214.8		2.5	32.5	35	53300	Valve	20370.53	Valve	282.6	36	0.312	52	0.26	0.08	4.78	1.76	6:09	335	982	707	649	0.47	1.12							1250	Unknown		
64278	MELO-CORR	YES	196217.9		5.55	29.45	35	53300	Valve	20373.58	Valve	279.55	36	0.312	52	0.16	0.05	1.10	0.28	5:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
64279	MELO-CORR	YES	196219.4		7.05	27.94	35	53300	Valve	20375.08	Valve	278.05	36	0.312	52	0.19	0.06	1.14	0.16	0.245139	335	1068	769	649	0.44	1.18							1598	Metal Loss		
64280	MELO-CORR	YES	196219.7		7.37	27.63	35	53300	Valve	20375.4	Valve	277.73	36	0.312	52	0.22	0.07	1.22	0.24	0.244444	335	1065	767	649	0.44	1.18							1598	Metal Loss		
64281	MELO-CORR	YES	196221.2		8.87	26.12	35	53300	Valve	20376.9	Valve	276.23	36	0.312	52	0.16	0.05	1.22	0.24	0.252778	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64283	CLUSTER	YES	196221.9		9.57	25.43	35	53300	Valve	20377.6	Valve	275.53	36	0.312	52	0.21	0.07	6.38	1.01	5:58	335	980	706	649	0.47	1.10							1250	Unknown		
64287	CLUSTER	YES	196223.7		11.39	23.61	35	53300	Valve	20379.42	Valve	273.71	36	0.312	52	0.23	0.07	1.96	0.50	5:35	335	1051	757	649	0.44	1.17							1250	Unknown		
64290	CLUSTER	YES	196226.2		13.88	21.12	35	53300	Valve	20381.9	Valve	271.23	36	0.312	52	0.22	0.07	1.66	1.70	0.225	335	1058	762	649	0.44	1.17							1250	Unknown		
64295	CLUSTER	YES	196226.2		13.93	21.07	35	53300	Valve	20381.96	Valve	271.17	36	0.312	52	0.2	0.06	3.49	0.63	0.247222	335	1027	739	649	0.45	1.14							1250	Unknown		
64297	MELO-CORR	YES	196228.6		16.3	18.69	35	53300	Valve	20384.33	Valve	268.8	36	0.312	52	0.17	0.05	1.18	0.32	0.229167	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64298	MELO-CORR	YES	196233		20.66	14.33	35	53300	Valve	20388.69	Valve	264.44	36	0.312	52	0.16	0.05	1.10	0.28	5:59	335	1069	770	649	0.44	1.19							1598	Metal Loss		
64299	MELO-CORR	YES	196234.2		21.88	13.12	35	53300	Valve	20389.91	Valve	263.22	36	0.312	52	0.26	0.08	1.50	0.47	5:59	335	1058	762	649	0.44	1.18							1598	Metal Loss		
64300	GirthWeld		196247.3		35	39.87	39.87	53310	Valve	20403.03	Valve	250.1	36	0.312	52					0.432639	335			649									1250	Unknown		
64301	MELO-CORR	YES	196266.5		19.21	20.66	39.87	53310	Valve	20422.24	Valve	230.89	36	0.312	52	0.16	0.05	1.18	0.24	0.250694	335	1068	769	649	0.44	1.19							1598	Metal Loss		
64302	MELO-CORR	YES	196267.6		20.28	19.58	39.87	53310	Valve	20423.31	Valve	229.82	36	0.312	52	0.25	0.08	1.14	0.32	0.226389	335	1065	767	649	0.44	1.18							1598	Metal Loss		
64303	MELO-CORR	YES	196280.8		33.49	6.37	39.87	53310	Valve	20436.52	Valve	216.61	36	0.312	52	0.15	0.05	1.18	0.20	5:58	335	1069	770	649	0.44	1.19							1598	Metal Loss		
64304	MELO-CORR	YES	196286.3		38.95	0.92	39.87	53310	Valve	20441.98	Valve	211.15	36	0.312	52	0.16	0.05	1.14	0.28	6:00	335	1069	770	649	0.44	1.19							1598	Metal Loss		
64305	GirthWeld		196287.2		39.87	37.84	37.84	53320	Valve	20442.9	Valve	210.23	36	0.312	52					0.059722	335			649									1250	Unknown		
64306	GirthWeld		196325		37.84	39.78	39.79	53330	Valve	20480.74	Valve	172.39	36	0.312	52					0.458333	335			649									1250	Unknown		
64307	GirthWeld		196364.8		39.79	39.99	39.98	53340	Valve	20520.52	Valve	132.61	36	0.312	52					0.315278	335			649									1250	Unknown		
64308	GirthWeld		196404.8		39.99	7.89	7.88	53350	Valve	20560.51	Valve	92.63	36	0.312	52					2:26	335			649									1250	Unknown		
64309	GirthWeld		196412.7		7.88	39.8	39.8	53360	Valve	20568.39	Valve	84.74	36	0.312	52					10:14	335			649									1250	Unknown		
64310	Attachmnt		196424.9		12.26	27.54	39.8	53360	Valve	20580.65	Valve	72.48	36	0.312	52						335			649								Circumferential	2170	Attachment		
64312	CLUSTER	NO	196427.6		14.95	24.85	39.8	53360	Valve	20583.34	Valve	69.79	36	0.312	52	0.15	0.05	7.68	3.96	0.234028	335	1000	720	649	0.47	1.10							1250	Unknown		
64313	Tap		196427.7		15.02	24.78	39.8	53360	Valve	20583.41	Valve	69.72	36	0.312	52					0.5	335			649									1790	Tap		
64318	CLUSTER	NO	196428.9		16.24	23.56	39.8	53360	Valve	20584.63	Valve	68.5	36	0.312	52	0.26	0.08	5.75	2.11	5:51	335	964	694	649	0.48	1.08							1250	Unknown		
64321	Tap		196430		17.28	22.52	39.8	53360	Valve	20585.67	Valve	67.46	36	0.312	52					12:00	335			649									1790	Tap		
64323	CLUSTER	NO	196430.1		17.

Reported Feature Reference													Pipe Specification			Reported Feature Dimensions					Calculated Values						Classification		INS Information				GIS Classification (GeoDB)			
									Upstream (U/S)		Downstream (D/S)											Modified B31.G		Design Pressure (72% SMYS)	ERF	RPR			NAD 83							
Feature Number (sequential order)	Pipeline Feature	INT/ EXT (ID/OD)	Odometer	Station Number	Distance to U/S weld	Distance to D/S weld	Joint Length	Defect Joint Number	Name	Distance from:	Name	Distance to:	Diameter	Wall Thickness	Pipe Grade (SMYS)	Depth	Depth	Length	Width	Orientation	MOP	P_{BURST}	P_{SAFE}		MOP / P_{SAFE}	P_{BURST} / 100% SMYS	Group Number	Group Category	Latitude	Longitude	Elevation	Comments	Event Code ID	Type_CL	Excavation/ Repair Required	SPLC Notes
			(feet)	(feet)	(feet)	(feet)	(feet)			(feet)		(feet)	(inch)	(inch)	(psi)	(%)	(inch)	(inch)	(inch)	(O'clock)	(psi)	(psi)	(psi)	(psi)							(feet)					
64347	AS_Receiv		196528.1		18.11			53440	AGM	9.59			36	0.438	52					UNKN	335			911									1794	Launcher/Receiver		
64348	AE_Receiv		196541		12.82			53440	AGM	22.42			36	0.438	52						335			911									1794	Launcher/Receiver		