

An inline inspection of the Bayou Choctaw 36 inch pipeline (also known as the Redstick) was carried out by Rosen during September 2018. As a result of the November 26, 2018 report, Shell identified five anomalies that required additional investigation. Table 1 below shows those anomalies and the results (repairs) performed after additional field investigation.

Table 1. Follow-up Investigation and Status of Necessary Repairs on Bayou Choctaw 36 Inch Pipeline.

PIPELINE SYSTEM	ANOMALY	LOCATION ODO/WC	GPS - Lat	GPS - Long	DISCOVERY/ IDENTIFY DATE	Time from Discovery	Due Date	Repair Date	Type of Repair	As-called Condition	As-Found Condition	Comments on As-Found Condition
Redstick 36in	Possible BS Dent w/Internal Metal Loss	52031.07	30.021786	-91.009254	1/14/2019	60 days	3/15/2019	3/13/2019	Type A Sleeve	Group 2	Group 2	Dent on side of pipe from cypress stump. 9.2" long x 0.17" deep (0.47%), at 7:45 position. Internal corrosion was minor. Dent caused by cypress stump.
Redstick 36in	Possible BS Dent w/Internal Metal Loss	53452.59	30.024261	-91.0127	1/14/2019	60 days	3/15/2019	1/29/2019	Type A Sleeve	Group 2	Group 4	Plain dent, no metal loss. 0.252" deep, 10"L x 13"W. Installed Type A sleeve since hole was deep and rain affected stability. Appeared to be a previous excavation 10-15 years prior per landowner.
Redstick 36in	Possible BS Dent w/Internal Metal Loss	75768.01	30.060931	-91.06696	1/14/2019	60 days	3/15/2019	2/7/2019	Type A Sleeve	Group 2	Group 2	Large cypress stump under pipeline. Found 0.097in (.27%) dent 11"L x 16"W with min thickness 0.288in on 312 (8% metal loss). Potentially re-rounded with stump removal, which is now 6" below pipe.
Redstick 36in	Possible BS Dent w/Internal Metal Loss	85700.27	30.082202	-91.086261	1/14/2019	60 days	3/15/2019	2/19/2019	Type B Sleeve	Group 2	Group 2	Point load from a stump. Measured 14" x 14" x 0.333" deep. Metal Loss was 0.243" remaining on 312 wall (22% deep).
Redstick 36in	Possible BS Dent w/Internal Metal Loss	115475.33	30.145818	-91.144418	1/14/2019	60 days	3/15/2019	2/28/2019	Type B Sleeve	Group 2	Group 2	Dent from tree stump. 56"L x 0.36" deep dent with 14% Int Corr.