



Case History

Fiberspar LinePipe™ replaces steel in environmentally sensitive wildlife refuge

CH2047

Location

South Texas, USA

Product

Fiberspar LinePipe

Problem

A 4,500 feet, 4½” flowline located in an environmentally sensitive national wildlife refuge in South Texas was shut in due to severe internal corrosion. The line had a significant bend approximately 800 feet from one end and a 200 feet bayou crossing approximately 1,500 feet from the same end of the line. If the work could not be done before the arrival in a few weeks of migratory birds at their winter home in the refuge, production would be lost until the next spring. The National Parks Service also required minimal environmental disruption.

Solution

NOV Fiber Glass Systems pulled one continuous section of spoolable, fiber-reinforced LinePipe through the entire length of the failing steel flowline. In only two days, the existing line was flushed and pigged, and the new 3½”, 1,500 psi line was pulled into place, and tested. Small, temporary bell-holes dug at each end of the old line for pigging and pull-through operations were the only alterations to the environment.

Results

Pulling LinePipe through the failed steel line was the only way to permanently repair the line without causing environmental disruption. The operator saved \$112,000 on the repair and six months of lost production. The new line eliminates corrosion problems permanently, and LinePipe’s superior flow properties deliver the required flow, even in a smaller diameter than the failed steel line.

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