

True Successes

PureCorr[™] Solves Corrosion Issue in 24" Pipeline

Challenge

A Smart Pig indicated severe internal corrosion pitting of a 75 km pipeline. Allowing the pipeline to go out of service would have resulted in 110 mmscf per day loss of throughput.

The customer was looking for a solution to alleviate shut down, increase gas volumes and line pressure for additional throughput.

Solution

Based on analysis, PureCorr applied twice a year was determined as the most suitable treatment program.

Iron/Manganese ppm levels along with corrosion coupon monitoring were initiated.

Benefit

Since the start of the PureCorr application, the customer has seen throughput volumes increase from 110 mmscf to 140 mmscf and line pressures increased by 150 psi.

There have been no failures since the start of the PureCorr application.

Technical

PureCorr is a patented, binary corrosion inhibitor designed for use in pipeline applications in sweet and sour environments.

Coupon removed and analyzed after 108 days of exposure showed a very low corrosion rate of 0.0195 mpy. and no pit initiation



Coupon before cleaning



Coupon after cleaning



24" pipeline corrosion failure prior to application of PureCorr



Segment of pipeline treated with PureCorr