

Save On Your Next Pipeline Rehabilitation Project

An intermediate Canadian Exploration and Production Company significantly reduced the amount of downtime and the pipeline rehabilitation costs by using Flexpipe to remediate a failed steel pipeline system in the Red Deer, Alberta area.

The operator's steel system had corroded to a critical point.

Project Scope:

- Remediation of corroded steel gas pipeline system

Location:

- East of Red Deer, AB

Application:

- Gas

Year:

- 2008

Pipe:

- 4" FP601 into failed 6" steel pipeline

Length:

- 5km (3 miles)

Reduced Installation Costs

- The operator saved thousands of dollars and weeks of production time using Flexpipe to remediate the corroded steel pipeline instead of installing a replacement pipeline.
- 5km (3 miles) of 4" FP601 was inserted through the existing steel line. *Canline Pipeline Solutions* completed the project with 3 pulls (including couplings); the longest being a continuous pull of 2300m (7550 feet).
- One bell-hole was used for the entire project to accommodate pull points
- **Total - 3 days**

Reduced Installation Costs

- Very small ROW requirements reduced environmental damage to the project site.
- A single bell-hole which reduced the amount of surface disturbance required to fix the pipeline.
- S-bend Risers were used at both end points and required no excavation.

Better Flow Characteristics

- 4" FP601 provided improved flow rates relative to the corroded 6" steel line.

Long Term Savings

- Using Flexpipe as a remediation solution permanently eliminated the costs for future chemical treatment programs.



After evaluating several options including repairing the damaged sections and replacing the line in its entirety, the decision was made to use Flexpipe as a remediation line inside the existing failed lines. The projects location was a densely populated acreage division, so minimal environmental disturbance and a quick turn-around time were key objectives. In less than three days, the existing line was flushed and pigged, *Canline Pipeline Solutions* pulled the long, continuous sections of Flexpipe through the failed steel system, and the line was tested and put back into service. The only area of ground disturbance was a one bell-hole used to accommodate the pull points for the project.

Flexpipe spoolable composite technology provided an exceptionally cost-effective way to quickly remediate the aging pipeline system with minimal excavation and ground disturbance.

