



Long-Time Steel User Chooses Composite for Gas Gathering System

When faced with the challenge of designing a gas gathering system to be deployed in Central Alberta, conventional steel line pipe fell short in meeting a Facilities Engineer's needs. The necessity for a lasting solution led the long-time steel user to Flexpipe's composite pipe products.

Location:

Central Alberta

Application:

Gas gathering system

Installation Method:

Trench & bore

Products:

4" FP301, 4" FP301 HT,
6" FP301 HT

**Operating
Conditions:**

100-1,586 kPa
(15-230 psi)
5-55°C (41-131°F)

Length:

21,000m (69,000ft)

**Installation
Duration:**

20 working days

Although steel line pipe was initially considered, due to corrosion concerns and the need for higher allowable velocities, composite pipe quickly became the clear choice. Flexpipe's 4" FP301, 4" FP301 HT, and 6" FP301 HT were selected for their size, durability and superior performance compared to steel alternatives.

21,000 meters of Flexpipe products were deployed and installed by Flexpipe's field technicians in 20 working days, highlighting the ease of installation of spoolable products.

As noted by the Facilities Engineer, ***"we were able to reduce pipe sizes using Flexpipe with higher allowable velocities. Ease of installation made it an easy choice."***

The new gas gathering system demonstrates the significant advantages of using Flexpipe's composite products over steel alternatives.

Flexpipe's composite pipe is engineered to resist corrosion & abrasion, common challenges faced when using steel line pipe. The polyethylene liner provides long-term durability and requires minimal maintenance, which made Flexpipe the ideal choice for this project.



Corrosion Resistance

Flexpipe's composite pipe is engineered to resist corrosion, a common challenge faced when using steel line pipe. The long-term durability and minimal maintenance made Flexpipe the ideal choice for this project, ensuring the integrity of the pipeline over time.

Ease of Installation

Flexpipe offers a spoolable solution, allowing for a quicker installation with a smaller crew size, compared to steel. Flexpipe's efficient installation methods and trusted spoolable shipping design contributes to quicker time to first oil, cost savings, and overall project efficiency.

Operational Excellence

The ability to accommodate high-pressure environments and a wide range of temperature variations was instrumental in Flexpipe being chosen for this installation. The operational reliability under cold weather conditions made it the dependable choice the customer needed.

