



## Case History

# Canadian operator reduces installation and lifecycle costs

**CH2051**

**Location**

Canada

## Product

Fiberspar LinePipe™

### Problem

Production began at the operator's field in 1954, and currently there are approximately 990 production and water injection wells in operation. The operator's original production flowlines were made of a variety of materials including bare steel, externally coated steel, internally coated steel and cement-lined steel. There were extensive corrosion problems, which led to pinhole leaks and eventual line failures.

### Solution

To reduce installation costs while maintaining corrosion-free operation, the operator made the decision to switch to Fiberspar LinePipe. The operator saw that it would be possible to reduce the time and manpower required to construct flowlines, thereby reducing both disruption in the field and HSE risks. In addition, approximately 200 high-pressure flowlines leading to water injection wells were originally completed with steel. Maintaining integrity of these steel lines in this hostile environment was costly. The operator wanted to eliminate leaks and failures frequent in steel and find a lower-cost alternative for the high-pressure water injection lines and high-pressure CO<sub>2</sub> lines. These drivers also contributed to its decision to switch to Fiberspar LinePipe.

### Results

Since 2003, more than 150 kilometers of 2 ½", 3 ½" and 4 ½" Fiberspar LinePipe has been installed in this field, making it the preferred material for pipelining. It has proven itself to be a technically superior product that can be installed faster and at a lower cost than traditional materials. The operator also believes that faster installation, with fewer third-party contractors and equipment on location, has generated considerable indirect value in the form of reduced risk, faster production, and more easily managed projects.

#### Fiber Glass Systems

17115 San Pedro Avenue, Ste 200  
San Antonio, Texas 78232 USA  
Phone: 210 477 7500  
Fax: 210 477 7560

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