



Case History

Canadian operator slashes installation costs of a 10-well gathering system

CH2052

Location

Saskatchewan, Canada

Product

Fiberspar LinePipe™

Problem

The operator needed to construct a main gathering system for 10 oil emulsion producing wells near Stoughton in Southeast Saskatchewan. Much of the area comprised an extremely high water table, essentially creating a wetlands environment. Consequently, executing a traditional open-trench operation required for conventional steel pipe would have been extremely difficult, if not economically prohibitive.

Solution

Because it was necessary to install a new pipeline system with minimal ground disturbance, the operator elected to plow-in Fiberspar LinePipe. In addition, since the spoolable LinePipe would be delivered directly to the site ready for installation, the operator recognized the significant economic benefits compared to assembling a conventional steel gathering system piece-by-piece on location. Besides the speed of installation and the corresponding faster start-up of production, using Fiberspar LinePipe also would eliminate corrosion-related maintenance costs over the life of the pipeline system.

Results

Three separate LinePipe lines were plowed in place simultaneously. Using a spider-type plow, the operator successfully installed 24 km of 4 ½” 750 and 3 ½” 750 LinePipe in one-quarter the time, with minimal ground disturbance, compared to a conventional jointed pipe installation. The spoolable, site-ready LinePipe was strung out over the right-of-way and plowed in a total of eight days. Fittings were installed in two days, and the gathering system was completed, tested and ready for service in a total of 12 days, even after the time expended negotiating a road crossing. By having the line arrive onsite ready for installation, by reducing installation time and material requirements significantly by plowing in all three lines in one pass, and by eliminating welds, coating and inspections, the operator cut overall costs more than one-third.

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