



Weatherford®

REAL RESULTS

Abrasive Perforating and Fracturing Techniques Enhance Safety, Reduce Costs in High-Pressure Canadian Well

Objectives

- Maintain well control in and minimize erosion in surface pipes, manifolds, and chokes caused by high velocities and pressure drops.
- Improve quality, health, safety, and environmental (QHSE) measures and eliminate nonproductive time (NPT).

Results

- Weatherford personnel deployed high- and low-stage frac separators with the capability to handle higher flow volumes.
- Weatherford's DataPro™ system gathered real-time data, providing visual monitoring of flow characteristics and velocity calculations.
- Wellhead pressure was maintained using adjustable chokes and variable-bean choke sizes.
- The well was flowed through Weatherford well testing equipment and information was collected and presented to the operator.
- Multiple fracs were made successfully and the well was flowed through Weatherford's testing equipment with pertinent information recorded and presented to the client.

Value to Client

- Weatherford's well testing services were essential in maintaining wellhead and bottomhole pressure and reducing the associated high velocities and pressure drops thereby minimizing the overall erosion charges incurred by the client.
- The entire operation went as planned, with the client realizing significant savings due to the absence of QHSE incidents and reduced personnel costs associated with the repair and replacement of worn surface equipment.



Weatherford's well testing services were essential in maintaining wellhead and bottomhole pressures and reducing the associated high velocities and pressure drops in a high-pressure Canadian well.

Client

Major operator

Location

Northeast British Columbia, Canada

Well Type

Onshore horizontal gas well

Rig

Coiled tubing

Wellhead Pressure

7,615 psi (52.5 MPa)

Products/Services

- Weatherford well testing services
- *DataPro* data acquisition system