



Weatherford®

REAL RESULTS

New Extended-Reach Technology Offers a Valuable Alternative to Logging with Coiled Tubing on Alaska's North Slope

Objectives

- Test Weatherford's new extended-reach technology to determine whether it can provide a viable, safe, and environmentally friendly alternative to coiled-tubing units currently operating in Prudhoe Bay on Alaska's North Slope.

Results

- Three wells were logged during a nine-day period at depths ranging from 10,000 to 12,000 ft (3,048 to 3,658 m) with deviations of up to 90°.

Value to Client

- The capability of Weatherford's extended-reach unit to easily snub into wells with surface pressures of up to 2,500 psi (17.2 MPa) enabled the operator to achieve equal or better logging results than those currently possible with coiled-tubing logging.
- The extended-reach injector unit's capability to apply a downward force of 40,000 pounds (18,144 kg) without damaging the rod string improved the safety and reliability of the operation.



Weatherford's extended-reach unit uses a 1.156-in. (29.36-mm) diameter solid rod as a deployment string instead of larger diameter coiled-tubing strings. The smaller diameter rod makes snubbing into wells with high pressures easier and also greatly reduces flow restrictions that, in turn, enable better logging results.

Client

North Slope producer

Location

Prudhoe Bay, Alaska, USA

Number of Wells

3

Logging Depth

10,000 to 12,000 ft (3,048 to 3,658 m)

Deviations

Up to 90°

Surface Pressure

Up to 2,500 psi (17.2 MPa)

Products/Services

Weatherford's new extended-reach technology