Weatherford®

REAL RESULTS

OverDrive™ System, TorkDrive™ Tool, Bow-Spring Centralizers Successfully Install Casing, Mitigate Risks, Enhance Safety

Objectives

- Centralize the casing during casing-setting operations despite the higher torque values (30,000 lb-ft, 40 674 N-m) required for makeup and maneuvers.
- Control risks to the rig personnel during the operation.
- Ensure the success of this high-cost operation in a remote location.

Results

- Weatherford deployed the remotely operated *OverDrive* system, featuring the *TorkDrive* 500 M internal clamping tool and the automated pick-up-lay-down machine. The *TorkDrive* tool was selected because it avoided risky maneuvering high over the rig site and did not require a work table, as would a power wrench.
- The JAMPro™ joint-analyzed makeup system was used to monitor and record torque-turn data for all connections.
- Weatherford's bow-spring centralizers were used to minimize risks and prevent the casing from moving inside the wellbore.
- The *OverDrive* system eliminated the need for a stabber in the derrick and reduced the number of personnel required. In addition, the system transferred the proper torque values from the top drive without difficulty.
- A total of 18 joints were run into the wellbore without damaging any connection.
- The entire operation was performed efficiently and without incident.

Weatherford's patented bow-spring centralizer sub is designed to keep the casing centralized in the well while cement slurry is pumped between the casing and the wellbore.

Location
Cuenca Ucayali - Selva Central del Perú

Well Type
Onshore, exploratory

Hole Size
12 1/4- × 14 1/2-in.

Casing
11-3/4" N-80

Total Number of joints
18

Run Length
774.27 ft (235.99 m)

Mud Weight
10.2 lb/gal (1.2 kg/L)

Products/Services
- Tubular running services
- *OverDrive* system
- *TorkDrive* 500 M tool
- Pick-up-lay-down machine
- *JAMPro* software

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REAL RESULTS

Value to Client

- Using Weatherford's OverDrive™ system with the bow-spring centralizers enabled the operator to minimize the security risks associated with dangerous maneuvers at the wellhead, significantly reducing incident exposure.
- The required torques were achieved without damaging any connection, improving operational efficiency.
- By using the automated system for tubular makeup and eliminating the need for a stabber in the derrick, the *OverDrive* system enabled the operator to reduce the exposure risk of the crew, thereby enhancing operational safety.

The remotely operated TorkDrive™ tool uses the rotational power of the top drive to make up casing, eliminating from the rig floor the scaffolding, equipment, and personnel usually associated with casing-running operations..

