



Weatherford®

REAL RESULTS

OverDrive™ System, TorkDrive™ Tool Replace Production Tubing, Make Up Nearly 1,300 Premium Connections Without Damage

Objectives

- Perform workovers on a series of wells to replace the 7-in. production tubing with premium casing. Several of the wells had holes in the casing.

Results

- Weatherford deployed its remotely operated *OverDrive* system, featuring the *TorkDrive* 500 M internal clamping tool with nonmarking jaws, to run the 7-in., 29-lb/ft (43.2-kg/m) premium casing.
- The JAMPro™ joint-analyzed makeup system was used to monitor and record torque-turn data for all connections.
- The automated pick-up-lay-down machine, used to make up connections faster and to provide the ability to transmit power and mud flow from the top drive to the casing, was coated with an elastomer to isolate the metal-to-metal contact.
- Weatherford's single-joint compensator eliminated the set-down weight from the threaded connections during makeup, reducing the risk of thread galling and cross-threading.
- A total of 1,275 total connections were made during the operation, and the required torques were achieved without damaging any connections.

Value to Client

- Using the *OverDrive* system's integral weight-compensation feature enabled the operator to improve the efficiency and quality of the premium-connection-makeup operation—no connections were damaged or backed out.
- 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 operator performed the entire run without any recordable incidents or accidents, saving rig time and associated costs.



A combination of Weatherford technologies, including the pick-up-lay-down casing-feeding system, enabled the operator to make up a total of 1,275 connections of premium casing without damaging any of the threads.

Location
Peru

Well Type
Onshore, production

Build Rate
7-in., 29-lb/ft (43.2-kg/m) JFEBEAR® JFE-13
CR-80 premium casing

Products/Services

- Tubular running services
- *OverDrive* System
- *TorkDrive* 500 Modular internal clamping tool
- Pick-up-lay-down machine
- JAMPro joint-analyzed makeup system

JFEBEAR® is a trademark of JFE Steel Corporation.

Weatherford
Vladimir Leon
TRS Coordinator, Peru
vladimir.leon@weatherford.com