

OverDrive™ System with TorkDrive™ Compact Tool Runs 280 Connections in 1 Trip, Saves 12 Hours of Rig Time

Objectives

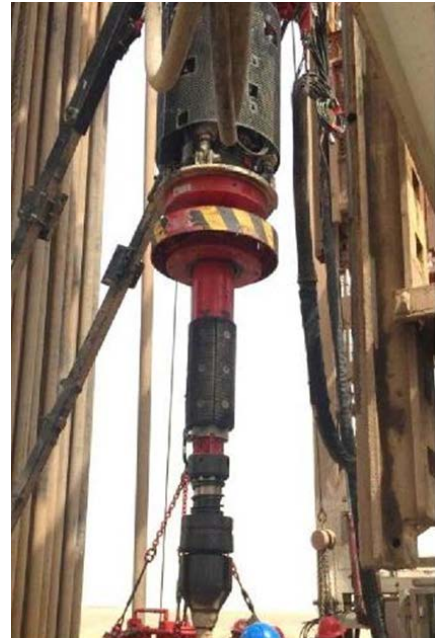
- Efficiently run and set the first intermediate 10 3/4- and 9 5/8-in. casings at approximately 11,868 ft (3,617 m) in a well with difficult conditions, including shallow gas, lost circulation, and tight spots.
- Enhance safety by eliminating the need for manual handling of equipment and for a stabber in the derrick during casing-running operations.

Our Approach

- Weatherford deployed the OverDrive system with the TorkDrive compact internal clamping tool (ICT) to mechanize casing-running operations.
- Using the remotely operated OverDrive system, the crew ran and reciprocated the 10 3/4- and 9 5/8-in. casings to mitigate tight hole conditions and wellbore instability.
- The integral weight compensator in the OverDrive system neutralized tool and joint weight and enabled the crew to make up 280 connections with no rejects, reruns, or crossed threads.
- The crew smoothly set the casing at the planned depth without sticking problems in 41 hours, which included 3 hours of circulation that freed the wellbore of cuttings and residue and eliminated a wiper trip. Rig-up and rig-down operations each lasted only 2-1/2 hours.
- The entire operation was completed without recordable incidents or personnel injuries.

Value to Client

- The OverDrive system with the TorkDrive tool enabled circulating, reciprocating, pushing down, and rotating the casing string to the planned depth without stopping. Compared to conventional casing-running tools, the system saved approximately 12 hours of rig time.
- Remote operation of the OverDrive system enhanced safety by reducing the number of required personnel on the rig floor and eliminating the need for a stabber in the derrick.



The compact size of the TorkDrive casing-running and drilling tool increases rig-up and rig-down efficiency for land operations.

LOCATION

United Arab Emirates

WELL TYPE

Offshore, vertical

HOLE SIZE

12 1/4-in. section

CASING SIZE AND TYPE

- 9 5/8-in., 47-lb/ft, L-80 VAM TOP®
- 10 3/4-in., 55.5-lb/ft, L-80 TenarisHydril 3SB™

DEPTH

11,868 ft (3,617 m)

PRODUCTS/SERVICES

- Total Depth services
 - OverDrive system
 - TorkDrive 500 Compact ICT

* VAM TOP is a registered trademark of Vallourec Oil and Gas France. 3SB is a trademark of Tenaris.

