

OverDrive™ System with TorkDrive™ Modular Tool

Eliminates Contingency String, Saves Approximately US \$1.6 Million

Objectives

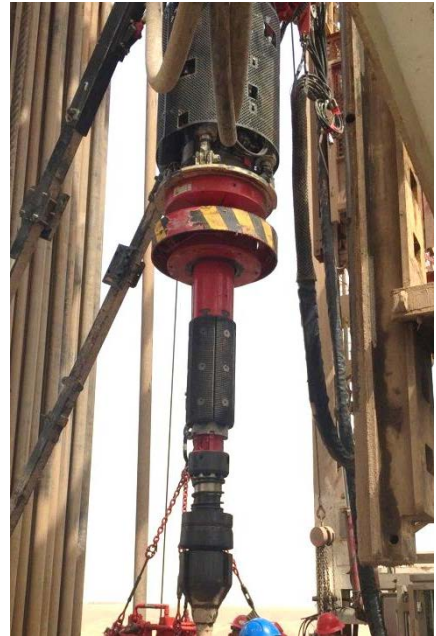
- Set first intermediate 20-in. casing at approximately 4,675 ft (1,425 m) below rotary table.
- Increase safety by introducing mechanized tubular running equipment to eliminate the need for manual handling of equipment and for a stabber in the derrick during casing-running operations.
- Conduct safe and efficient operation of Weatherford OverDrive system in difficult well conditions such as shallow gas, lost-circulation, and tight spots in clay section.

Our Approach

- Weatherford provided a TorkDrive modular internal clamping tool to run and reciprocate the 20-in., 169#, L-80 TENARIS ER and to mitigate tight hole conditions and wellbore instability.
- The Overdrive system eliminated the need for a wiper trip, eliminated the risk to pull out the string, smoothly set the casing to the total depth (TD), and alleviated client concerns of sticking problems.
- The running operation took 25 hours to set casing to TD, including 6 hours of circulation to free the wellbore of cuttings and residues.
- The rig-up and rig-down operations were completed safely and in an optimum timeframe on this first operation.
- The casing was successfully set at a total depth of 4,672 ft (1,424m).
- The entire operation was performed efficiently and without incident.

Value to Client

- The operator expressed great satisfaction at all possible levels after achieving the planned TD, eliminating the requirement of the contingency 16-in. drilling liner, and saving approximately 8 days and US \$1.6 Million.
- The OverDrive system helped to eliminate risk by reducing the number of personnel required on the rig floor and eliminating the need for a stabber in the derrick.
- The ability to circulate, reciprocate, push down, and rotate the casing with the TorkDrive tool allowed the string to pass safely to TD without stopping.
- The system's integral weight compensator neutralized tool and joint weight, allowing 112 connections to be made up with no rejects, re-runs, or crossed threads.
- The operator performed the entire run with no recordable incidents or accidents, which saved rig time and associated costs.



TorkDrive 650 modular tool safely makes up connections to correct parameters.

CLIENT

PETOIL, Inc.

LOCATION

Chia Surkh-Sulaymaniyah, Kurdistan Region of IRAQ

WELL TYPE

Vertical exploration well

HOLE SIZE

24-in. openhole section

CASING SIZE AND TYPE

20-in., 169#, L-80 TENARIS ER

DEPTH

4,672 ft (1,424 m) below rotary table

PRODUCTS/SERVICES

Total Depth Services
Overdrive system
TorkDrive 650 modular tool

