



Weatherford®

REAL RESULTS

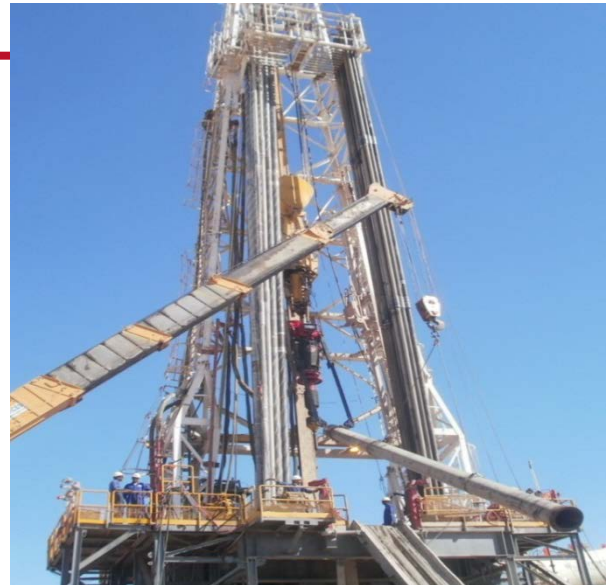
OverDrive™ System With TorkDrive™ Modular Tool Reduces Rig Time by 50% in Challenging Limestone and Shale Formation

Objectives

- Run and ream 9 5/8-in. casing to a total depth (TD) of 5,581 ft (1,701 m) in unstable hole conditions. The difference in pressures between the limestone and the shale increased the possibility of hole caving during casing running.
- Ensure connection integrity by making up casing to the appropriate torque values.
- Enhance safety by reducing the number of personnel required on the rig floor.

Our Approach

- Throughout a previous job during drilling, the client had observed hole packoff and continuous caving, which raised concerns about running casing to TD.
- The Weatherford team deployed the OverDrive system with the TorkDrive Modular tool to run and ream the casing through the pressurized formation.
- The JAMPro™ joint-analyzed makeup system displayed all the recorded makeup torques to ensure the casing was properly torqued.
- The OverDrive system provided remotely operated casing running, which eliminated the need for a stabber in the derrick and reduced the number of floor hands.
- The team maintained a mud weight of approximately 9.7 lb/gal (1,162 kg/m³) to avoid losing mud to the formation.
- The team encountered an obstruction at 5,213 ft (1,589 m) and could not pass through.
- Using the OverDrive system, the team reamed the last ten joints of casing to casing shoe depth at 5,590 ft (1,701 m).
- The job was completed in approximately 12 hours without incurring any nonproductive time.



TorkDrive Modular tool can be used to circulate, push down, reciprocate, and rotate the casing string to reach TD in challenging formations.

Location
Pakistan

Well Type
Onshore, development

Formation
Sui Main Limestone and Ghazij Shale

Casing Size
9-5/8 in.

Hole Size
12-1/4 in.

Well Depth
5,590 ft (1,704 m)

Products/Services

- Tubular running services
- OverDrive system with the TorkDrive Modular tool
- JAMPro joint-analyzed makeup system



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Value to Client

- Using the OverDrive system enabled the operator to run the casing string to TD and improve operational efficiency in a challenging shale formation. In comparison to conventional equipment, the system reduced rig time by half a day, which amounted to an approximate 50% reduction in time and associated cost.
- The JAMPro system ensured connection integrity by displaying the makeup torques for monitoring and recording of accurate torque.
- The OverDrive system enhanced safety by eliminating or removing personnel from the rig floor.



The TorkDrive Modular tool provides outstanding performance in demanding applications, such as running long, heavy strings and making up high-torque connections. It is well suited for drilling or reaming with casing and for challenging well applications.

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