



Weatherford®

REAL RESULTS

OverDrive™ System with TorkDrive™ Compact Tool Sets Casing in One Run, Eliminates Wiper Trip, Enhances Safety, Eliminates NPT

Objectives

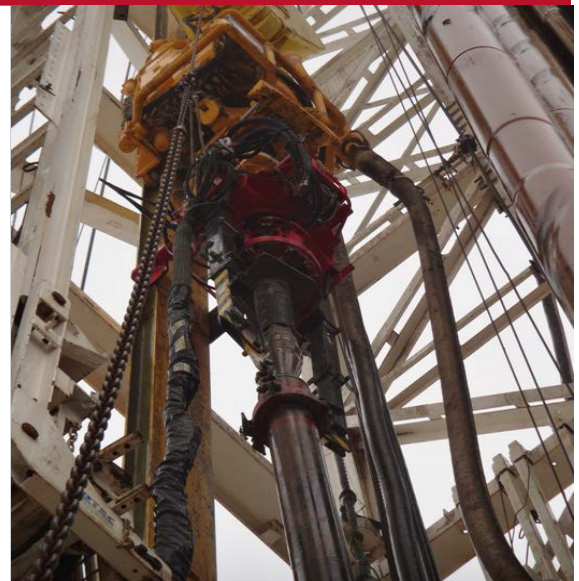
- Set casing at target depth in one run.
- Avoid a wiper trip and hole conditioning trips required to stabilize and prepare the wellbore.
- Avoid using additional contingency casing strings.

Results

- Weatherford deployed the remotely operated *OverDrive* system featuring the *TorkDrive* internal clamping tool to run and ream the 9 5/8-in. L80 53.5-ft/lb (16.3 m/kg) premium casing inside the 16-in. casing, sidetracking, and overcoming tight hole conditions and wellbore instability.
- The *TorkDrive* tool eliminated the need for conventional casing tongs and applied between 5,500 and 10,000ft-lb (13,558 N m) of torque during makeup of the total run length of 2,851 (538 m).
- Running operations took 16 hours inside the cased hole, with an average of 12 joints/hour, and the reaming took 32 hours inside the open hole, with an average of 1.5 joints/hour and a penetration rate of 65 ft/hr (20 m/hr).
- The rig-up (75 minutes) and rig-down (90 minutes) operations were completed safely and in an optimum timeframe on this first operation.
- The casing was successfully set at a total depth of 9,353 ft (2,851 m). Cementing was immediately performed followed by drilling ahead of the next 8 1/2-in. section.
- The entire operation was performed efficiently and without incident.

Value to Client

- Using Weatherford's remotely operated *OverDrive* system enabled the operator to ensure the casing was set at the planned depth by mitigating expected drilling hazards in the form of wellbore instability across the drilled formation and across the window exit.
- The *OverDrive* system enabled the operator to maintain conventional running speeds and reduce the number of personnel on the rig floor, eliminating manual handling of power tongs and elevators and the need for a stabber in the derrick, significantly reducing incident exposure.



Weatherford's *OverDrive* casing running and drilling system with the *TorkDrive* tool enables the driller to rotate and push (or pull) the casing string while circulating, making it ideal for high-angle, extended-reach wells. The combined systems overcome drag on long strings of lateral pipe, mitigate wellbore sloughing, and efficiently handle other instability issues.

Location

Kurdistan region, Iraq

Formation

Sharinish

Well Type

Onshore, exploratory

Hole Size

12-1/4 in. with a 2.5° angle, and with an angle of 8° at the window exit

Depth

9,353 ft (2,851 m)

Casing

9 5/8-in. L-80 53.5-ft/lb (16.3 m/kg)

Products/Services

- Tubular running services
- *OverDrive* casing running and drilling system
- *TorkDrive* compact tool

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