

REAL RESULTS

OverDrive™ System with TorkDrive™ Compact ECT Tool Reduces Rig Time by 40%

Objectives

- Run casing to the planned depth by overcoming tight spots and mitigating hazardous zones in the 12 1/4-in. hole section.
- Enhance safety by eliminating manual handling of tubulars associated with conventional casing-running equipment.

Results

- Al-Shaheen Weatherford deployed the OverDrive system, featuring the TorkDrive Compact ECT-Plus tool, to run the 9 5/8-in. casing to the planned depth.
- The OverDrive system provided optimal torque values and maintained string and annulus pressures by circulating and filling up the casing string when running into the hole.
- The crew recorded running speeds of 22 and 18 joints per hour while running casing inside the cased hole and the completion string, respectively.
- The TorkDrive tool reciprocated and rotated the casing string to overcome the tight spots and collapsed zones in the last 455 ft (139 m) and reached the planned 5,853-ft (1,784-m) depth in 13 hours.
- Remote operation eliminated direct physical contact between personnel and heavy equipment.

Value to Client

- Using the OverDrive system enabled the operator to overcome tight spots, mitigate hazards, and achieve the planned depth without the expected wiper trips, which can last several days. In comparison to conventional equipment, the system reduced rig time by more than 40%.
- The remotely operated OverDrive system reduced the number of required personnel and minimized rig-floor risks, which enhanced safety.



The remotely operated OverDrive system minimized personnel risk exposure and maximized productive casing-running time during the 13-hour operation.

Location
Qatar

Well Type
Offshore, production

Hole Size
12-1/4 in. (311 mm)

Casing Type and Size
9-5/8 in., 47 lb/ft

Connection Type
Tenaris SJP

Setting Depth
5,853 ft (1,784 m)

Maximum Revolutions Per Minute
70

Running Speed

- Average: 18 joints per hour
- Maximum: 22 joints per hour

Flow Rate
300 gal/min (1,136 L/min)

Products/Services

- Tubular running services
- OverDrive casing-running system
- TorkDrive Compact ECT-Plus tool