OverDrive™ Casing Running and Drilling System

Runs Operator's Heaviest Casing String in UK With Zero Rejected Connections, LIT, NPT

Objectives

- Develop a reliable solution to run 14-in. and 13 3/5-in. casing in the wellbore with the following key requirements: the ability to safely pick up loads exceeding 625 tons and to circulate/wash the casing into the hole without compromising operational integrity.

Our Approach

- Weatherford experts conducted a thorough assessment and engineered a customized solution leveraging the rig's lower internal blowout preventer (IBOP) connection. This enabled the team to achieve the necessary safe working load to handle the full string weight and provided additional pick-up capacity if needed.
- To integrate the solution with the rig top drive seamlessly, Weatherford manufactured customized saver subs to interface the rig with the 650-ton OverDrive casing running and drilling system, which combines several conventional casing-running tools into one.

Value to Customer

- **Zero rejected connections**: All casing connections were successfully made and verified.
- **Zero lost-in-transit (LIT) and nonproductive time (NPT)**: The operation was executed flawlessly, with no delays or failures.
- **Customer satisfaction**: The operator's DSV praised the operation as the best casing run he had ever been involved in, highlighting the precision and reliability of the execution.

Integrated with any top drive, the OverDrive technology combines conventional power tongs, bails, elevators, weight compensator, torque-turn/monitoring, and fill-up and circulating tools into one system. Safety is improved by remote-control capabilities and reduced personnel and equipment requirements.

LOCATION
North Sea (Scotland)

WELL TYPE
Gas, high-pressure/high-temperature (HPHT)

HOLE SIZE
16-1/2 in.

CASING SIZE AND TYPE
14 in. Tenaris Blue DPLS
13-5/8 in. Tenaris Blue DPLS

DEPTH
13,451 ft (4,100 m)

PRODUCTS/SERVICES
- OverDrive casing running and drilling system

Weatherford®

