



Weatherford®

REAL RESULTS

Mechanized Casing Running with PowerFrame® III Enhanced Safety and Improved Tubular-Running Efficiency on Drillship in the Middle East

Objectives

- Provide a hands-free tubular-running system on board a drillship to install 14-in. casing to a total depth of 9,566.39 ft. (2,915.8 m). The operator had previously installed such a system in Asia Pacific and wanted to integrate and run mechanized equipment in the same way in the Middle East.
- Enhance operational safety with the elimination of manual casing-handling and the associated risks to personnel.

Results

- Weatherford deployed the mechanized casing-running solution, including the PowerFrame III tong-positioning system, the mechanized 14-100 casing tong, HiPer™ control system, the rotary-mounted spider (RMS) 2000, and the StabMaster® pipe-alignment system.
- The HiPer control system enabled remote control of the PowerFrame III system, which lifted and moved the power tong on the rig floor. The StabMaster system, which centered pipe during stabbing, eliminated the stabber from the derrick.
- The RMS 2000 gripped the casing strings, and the integrated safety interlock system prevented casing strings from being accidentally dropped.
- Integrating mechanized equipment on the rig removed personnel from the derrick, which reduced the risks of injury associated with manual handling.

Value to Client

- Mechanized equipment on the rig floor provided the client with the hands-free solution they needed, enhancing overall safety and improving overall operational efficiency.
- The Weatherford HiPer control system and memory-repeatable makeup function enabled fast and efficient tubular-running operations.



Mechanized equipment on the rig floor provided the client with a hands-free solution that enhanced overall safety and improved the efficiency of tubular running operations.

Location
Saudi Arabia

Rig Type
Drillship

Well Type
Offshore, exploration

Production Casing Size
14 in. (355.6 mm)

Total Hole Depth
9,566 ft (2,915 m)

Products/Services
Tubular running services
PowerFrame III
Mechanized 14-100 casing string
HiPer control system compact
RMS 2000
Integrated safety interlock system control panel
Air Elevator 500 Ton
StabMaster system

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