



Weatherford®

REAL RESULTS

Remotely Operated Tong Increases Efficiency by 31%, Reduces Red-Zone Exposure by 840 Minutes Per Run in Deepwater Wells

Objectives

- Run 9 5/8- and 14-in. casing and improve operational efficiency in deepwater wells with formation issues.
- Eliminate personnel from the red zone on the rig floor while making up high-torque connections to enhance safety.

Results

- Weatherford deployed a casing-running package to run both 9 5/8- and 14-in. casing in two wells. The package included the 14-100 mechanized power tong, the PowerFrame® III tong-positioning system, and the HiPer™ control system.
- The crew used a one-lift solution to install the tong on the existing iron-roughneck tracks. This reduced rig-up time to just 1 hour by the third installation.
- Remote control of the power tong eliminated personnel from the red zone.
- The HiPer control system provided hands-free movement of the tong to and from well center.
- The crew ran the 9 5/8-in. casing to the desired depth in one well at rates 31% faster than the conventional benchmark.
- The casing-running package eliminated an estimated 840 minutes of red-zone exposure per casing run.

Value to Client

- Using the Weatherford 14-100 mechanized power tong, PowerFrame system, and HiPer control system enabled the operator to improve efficiency over the course of casing running and to increase efficiency by up to 31% for the third string run.
- Remote operation enhanced safety by eliminating personnel from the red zone, which is the rig-floor area where dropped objects are more likely to land and cause injuries.



Weatherford provides mechanized equipment packages that can improve tubular-running efficiency and enhance overall safety.

Location

Sabah, Malaysia

Well Type

Offshore, deepwater

Water Depth

3,112 ft (949 m)

Casing Sizes

- 14-in., 114-lb/ft L80 VAM TOP® KB
- 9 5/8-in., 53.5-lb/ft L80 VAM® 21

Products/Services

- Tubular running services
- 14-100 mechanized power tong
- PowerFrame III tong-positioning system with HiPer control system
- RMS 2000 rotary-mounted slips
- JAMPro™ torque-turn monitoring system

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