



Weatherford®

REAL RESULTS

Australia: ASD Elevator, RMS 2000, PowerScope®, 24-50 Mechanized Tong Maximize Casing-Running Efficiency and Enhance Safety

Objectives

- Run 20-in. casing in 10-tophole wells using mechanized equipment to increase efficiency.
- Enhance safety by eliminating the manual handling of tubulars and the personnel near well center.

Results

- Weatherford deployed its mechanized solution including a *PowerScope* positioning device integrated with a 24-50 mechanized casing tong and an automated sidedoor (ASD) elevator interlocked with a rotary-mounted spider, fully mechanizing casing-running aboard the drillship to make up approximately 45 joints per well.
- The ASD elevator and mechanized tong combination enabled hands- and problem-free running of the big-bore pipe and eliminated the need to secure, latch, and unlatch the elevator while making connections, saving 10 minutes per connection.
- The integrated safety interlock system eliminated the possibility of a dropped string.
- The entire operation completed without incident or hand or bodily injury.

Value to Client

- Weatherford's fully mechanized casing-running solution saved a total of 7.5 hours rig time, increasing operational efficiency by 66% compared to manual casing-running operations.
- The mechanized system eliminated the personnel, loaded snub lines, and tugger lines associated with manual equipment, enhancing operational safety.



Weatherford's ASD elevator together with other mechanized components enabled the operator to efficiently run the 20-in. casing.



The fully mechanized solution safely positioned the operator and crew away from well center during casing running.

Location
Australia

Well Type
Offshore, gas and condensate

Casing Size
20 in.

Number of Wells
10

Products/Services

- Tubular running services
- ASD elevator
- RMS 2000 rotary-mounted slips
- *PowerScope* tong-positioning system
- 24-50 mechanized casing tong
- Integrated safety interlock system
- *TorkWrench* 10-100 mobile-bucking unit
- Modular handling tool control panel (HT-1M panel)

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