



Weatherford®

REAL RESULTS

Hands-Free System Makes Up and Racks Casing Without Interrupting Drilling, Reduces Casing Running Time and Drilling Floor Hazards

Objectives

- Make up and rack 13 3/8-in. casing in offline stands while offshore drilling continues
- Provide installation and commissioning along with operation maintenance training

Our Approach

- To make up and rack casing while drilling continued from a semi-submersible, Weatherford recommended using a 13 3/8-in. x 7-in. internal lifting tool (ILT). The Weatherford team integrated the ILT, a Weatherford 14-100 power tong, and the HiPer™ control system for remote control of the power tong.
- Before the racking operation began, Weatherford provided complete installation and maintenance training on site.
- The ILT was positioned correctly and efficiently below the derrick drilling machine (the top drive). The ILT picked up 13 3/8-in. Tenaris Hydril 532 casing from the rig skate—hands free—and elevated it to make up secured casing in the rotary table.
- A total of 171 joints of casing were made up in triples, and 57 completed stands were racked back in the derrick, at 120-ft height, into the casing set back area without incident.

Value to Client

- The ILT improved operation efficiency by working offline from the main drilling package while the wellbore was being drilled.
- The easy-to-use integrated pneumatic/hydraulic control panel enabled safe, hands-free operation.
- Making up the stands of casing offline and in advance reduced casing running time when the casing actually went online through the rotary table.
- The remote controlled ILT enabled hands-free operations, which removed personnel from hazardous rig floor areas for enhanced safety and efficiency.



Stabbing pipe hands free with Weatherford internal lifting tool (ILT)



Lifting pipe hands free with Weatherford ILT

Location

Black Sea

Well Type

Offshore, exploration

Casing size and type

13 3/8-in. Tenaris Hydril 532

Products/Services

- Internal lifting tool (ILT)
- 14-100 power tong
- HiPer control system

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