

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 semisubmersible, 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.

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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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