



Weatherford®

REAL RESULTS

DwC™ Drilling-with-Casing Spear System Significantly Improves Running Speeds in Development Well Offshore China

Objectives

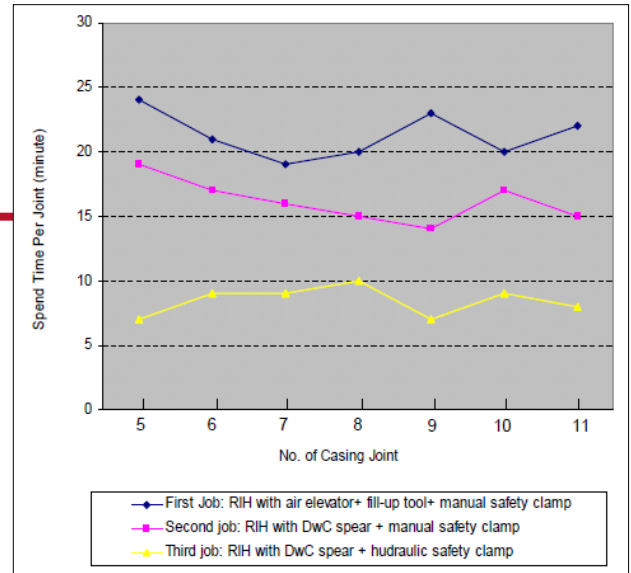
- Improve casing-running efficiency and enhance safety during casing running on two offshore development wells by reviewing and implementing lessons learned from a previous well that was drilled using conventional methods.
- Mitigate working-height difficulties for tubular running services crew.
- Improve safety clamp installation and removal time.

Results

- A modified Weatherford DwC (drilling-with-casing) spear was deployed in the first well, eliminating the need to use a fill-up tool, spider and side-door elevators.
- Running speed was improved from 21.3 min/joint to 16.1 min/joint while operating in inclement weather conditions.
- The need to change out drilling bails was eliminated, and the crew was able to work from the drill floor.
- In the second well, good weather conditions and the addition of a hydraulic safety clamp improved casing tripping time to an impressive 8.4 min/joint.

Value to Client

- Using Weatherford's DwC system provided the operator with the casing-running efficiency they needed, improving running speeds from 21.3 min/joint to 16.1 min/joint in the first well, and 8.4 min/joint in the second well.
- Both operations were carried out without any safety issues.



A Weatherford drilling-with-casing spear was used in conjunction with DwC technology to significantly improve casing running times while enhancing crew safety on this offshore rig.



Location

Bohai Bay, China

Type of Well

Offshore development

Run Length

1,982 ft (604 m)

Casing Size

13-3/8 in., 68 lb/ft

Products/Services

- DwC drilling with casing system
- Modified casing spear
- Tubular running services
- Hydraulic safety clamp
- Hydraulic power tong

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