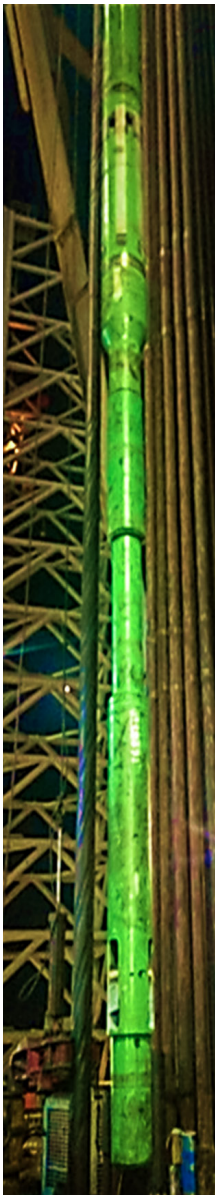
CASE STUDY

UAE

ProMAXX® System Provides Trip-Saving Solution for Offshore Operation in UAE

Single-trip cement plug verification and 13⅜-inch casing cut and pull saves two trips in a Middle East offshore field



13⅜-inch casing pipe cutter knives post run dull condition

Single-Trip Cut and Pull Solution Saves Time and Cost in UAE Offshore P&A Campaign

Reducing operational time during Plug & Abandonment (P&A) activities directly translates to cost savings by minimizing rig time and supporting a more sustainable abandonment strategy.

In a recent offshore P&A campaign in the UAE, the operator required an efficient cut and pull (C&P) solution to recover 13⅜-inch casing. A critical requirement was verifying the integrity of a cement plug prior to performing the C&P. To address this challenge and explore a trip-saving approach, the operator engaged Wellbore Integrity Solutions (WIS).

WIS successfully delivered an integrated well intervention solution using the ProMAXX® system, which enabled both cement plug verification and casing recovery in a single trip and maximized overall savings on the P&A operation.

The modular bottomhole assembly (BHA) was designed to:

- Drill out and verify the cement plug

- Pressure test the barrier

- Cut and retrieve the 13⅜-inch casing

Following plug verification, an activation ball triggered the ProMAXX spear and pipe cutter. The cutter was positioned, casing pulled into tension, and successfully cut within five minutes. The spear was then disengaged, and the blowout preventer (BOP) rigged down to enable full casing recovery.

This integrated single-trip solution eliminated two additional runs, delivering significant time and cost savings on the offshore exploratory well.

CHALLENGE

Efficient trip-saving approach needed for high-cost offshore 13⅜-inch casing cut and pull operations.

SOLUTION

- 13⅜-inch ProMAXX system modular BHA designed for integrated P&A operations
- Equipped with a bit for drilling out and verifying the cement plug
- Ball-drop-activated flow-through pipe cutter for efficient casing cutting
- Extended-reach spear for secure engagement and retrieval of casing
- Combines cement plug verification, cutting, and pulling in a single trip-saving assembly

RESULT

- Cement plug successfully drilled out using the bit positioned at the bottom of the ProMAXX BHA
- Weight and pressure tests were successfully performed to verify plug integrity
- ProMAXX Spear and Pipe Cutter were activated as planned
- 13⅜-inch casing was cut in approximately five minutes
- After BOP rig-down, the ProMAXX BHA was re-run to engage and recover the 13⅜-inch casing

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