



Weatherford®

REAL RESULTS

QuickCut™ Casing Exit System Cuts Departure Window in Heavy-Wall Casing, Mills Rathole in One Run

Objectives

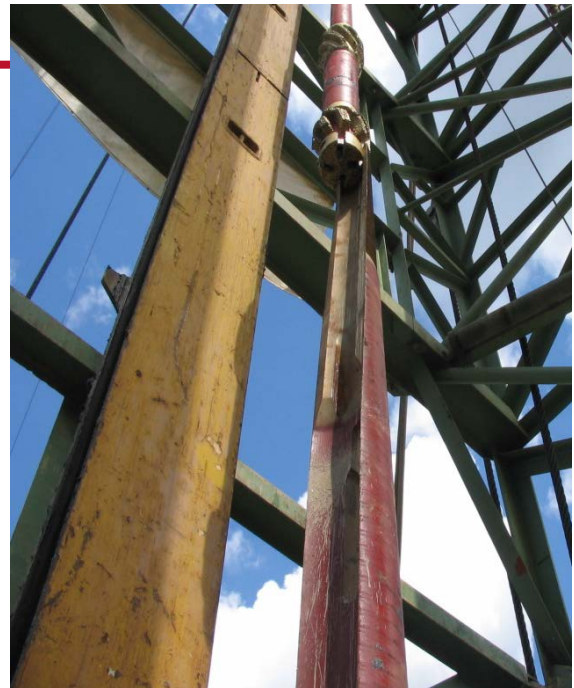
- Fish a drilling bottomhole assembly (BHA) that had become stuck while drilling out a cement retainer.
- Mill through casing that is 0.250 in. thicker than the wall standard in this tubular size. The extra thickness made milling an extreme challenge in regard to the rate of penetration (ROP), the rate of cuttings removal, and the durability of the carbide-cutter insert.

Results

- Weatherford located the free point and backed off the workstring at 11,857 ft (3,614 m) to use a jarring BHA and remove the fish.
- After jarring for 16 hours and bumping the fish, Weatherford backed off at the screw-in sub to remove the jarring BHA and perform an openhole sidetrack.
- The drilling BHA became stuck again while the crew conditioned the openhole wellbore above the stuck fish.
- The crew located another free point and backed off at the top of the drill collars to remove the free pipe and prepare for a cased-hole whipstock.
- The crew installed a cement retainer, performed squeeze cementing, and installed a bridge plug.
- A run to bridge-plug depth prepared the wellbore for milling.
- The QuickCut casing exit system with RHN-type anchor performed seamlessly by cutting the departure window in the heavy-wall casing and milling the rathole in a single run.

Value to Client

- The QuickCut casing exit system enabled shifting from fishing to window cutting so that both operations were completed in one run and the gauge loss was within the allowable tolerance.



The QuickCut casing exit system with RHN-type anchor is a single-trip, retrievable whipstock system with a hydraulically actuated, nonsealing anchor.

Location

Kurdistan Region, Iraq

Well Type

Onshore, development

Casing Size

55.30 lb/ft, 0.750 in.

Depth

- In: 11,155 ft (3,400 m)
- Out: 11,172.5 ft (3,405 m)

Anchor Setting Depth

11,205 ft (3,415 m)

Run Length

17.7 ft (5.4 m)

Products/Services

- Re-Entry Services
- QuickCut casing exit system with RHN-type anchor

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