



Weatherford®

REAL RESULTS

QuickCut™ Casing Exit System Mills Window in One Trip, Saves 1 Day Rig Time, Associated Costs

Objectives

- Mill a window in 9 5/8-in. casing to overcome challenging hole conditions in an 8 1/2-in. hole section.
- Maintain operational efficiency and limit safety and environmental concerns.

Results

- Weatherford deployed the 8-in. OD QuickCut casing exit whipstock system with a retrievable, hydraulic, sealing (RHS) type hydraulically actuated anchor, 8 1/2-in. outside diameter (OD) QuickCut lead mill, and the 8 1/2-in. flex mill.
- The QuickCut system and anchor were successfully set at 4,399 ft (1,341 m) with a 3° RHS orientation.
- The 8 1/2-in. window was successfully milled through the 9 5/8-in., 40-lb/ft (60-kg/m) casing in a single trip.
- The milling operation lasted 7 hours, and upon inspection at the surface, the mill showed little wear.
- The operator was able to run through the window and continue with drilling operations.

Value to Client

- Using Weatherford's QuickCut system with a hydraulically actuated packer anchor enabled the operator to mill an extended-casing window through a casing string, delivering a clean exit that enabled the operator to continue directional drilling operations.
- The single-trip installation saved the operator 1 day of rig time and associated costs.
- The entire operation was completed without any safety or environmental issues, exceeding the operator's requirements and expectations.

Weatherford's QuickCut casing exit system with RHS-type anchor is a single-trip, retrievable whipstock system with a hydraulically actuated, sealing packer anchor. The premium anchor is used for the temporary zonal isolation of a parent wellbore or for a required second abandonment barrier. The anchor with the QuickCut milling system provides improved milling, gauge retention, and formation drilling in a single trip. The innovative anchor design is field-proven to ensure retrieval.

Location

Kurdistan region, Iraq

Formation

Claystone

Well Type

Onshore, development

Hole Size

8-1/2 in.

Hole Angle

3°

Window Direction

75°

Setting Depth

4,399 ft (1,341 m)

Run Length

4,399 to 4,416 ft (1,341 to 1,346 m)

On-bottom torque

1,400 ft/lb (1,898 N m)

Flow rate

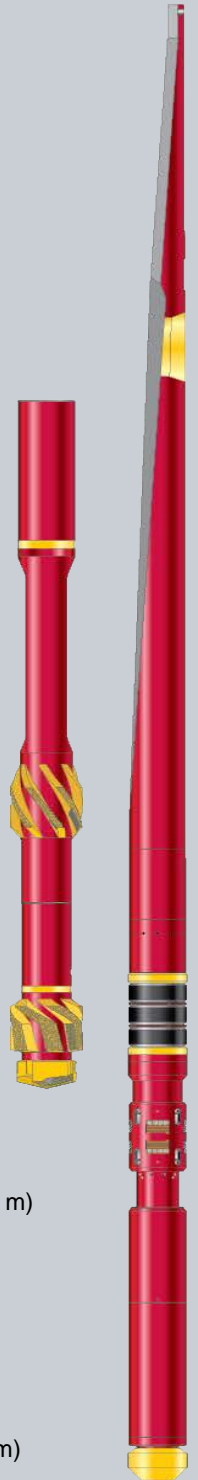
490 gpm (1.8 m³/min)

Casing

9.625-in., J-55 × 40-lb/ft (60-kg/m)

Products/Services

- Fishing and re-entry services
- QuickCut casing exit system



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