



Weatherford®

REAL RESULTS

Shallow-Angle QuickCut™ Milling Assembly Exits Through Two Large-Bore Casing Strings, Facilitates Drilling to Pay Zone

Objectives

- Create a casing exit through two strings of casing to comply with the directional drilling path and reach the pay zone. The size and weight of the casing with the multistring aspect caused an extensive, operationally challenging well re-entry campaign.

Results

- Weatherford personnel successfully deployed the shallow-angle *QuickCut* casing exit system with a hydraulically actuated *MultiCatch*™ anchor. The *MultiCatch* anchor was coupled with a 10 5/8-in. OD milling bottomhole assembly (BHA).
- The whipstock assembly was oriented and set at 3,989 ft (1,216 m). The window was milled in 8 hours, and a 36-ft (11-m) rat hole was milled in 3-1/2 hours.
- The milling BHA was recovered to the surface with the steering mill coming out full gauge. Afterward, the drilling BHA was rigged up and run in the hole. The BHA passed through the window without drag and enabled drilling operations to resume.

Value to Client

- The shallow-angle *QuickCut* system performed the job in a single trip, saving the operator rig time and associated costs.
- The system overcame the challenges and risks associated with the larger casing sizes and multistring window milling intervention.



Weatherford's shallow-angle *QuickCut* casing exit system with hydraulically actuated *MultiCatch* anchor provides the milling, gauge-retention, and formation-drilling performance in a single trip that mature-field applications require.

Location

Gulf of Mexico

Field

Cantarell

Well Type

Offshore platform, re-entry

Depth of Whipstock

3,989 ft (1,216 m)

Hole Angle at Setting Depth

37.7°

Whipstock Orientation

59° right of high side

Casing

- 11 3/4-in., 60-lb/ft TRC-95
- 16-in., 84-lb/ft N-80

Products/Services

- Re-entry services
- Shallow-angle *QuickCut* casing exit system
- Hydraulic *MultiCatch* anchor

Weatherford
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