

# QuickCut™ System and MultiCatch™ Anchor

## Create a 16-in. Casing Exit in One Trip Despite Three Failed Attempts by a Previous Contractor

### Objectives

- Open a window in 16-in. casing and mill a 15-ft (4.6-m) rat hole in one trip.
- Maintain a consistent gauge throughout the rathole to permit subsequent passage of a drilling bottomhole assembly (BHA).
- Prepare and dispatch the anchor and sidetrack equipment within 72 hours, while the rig was recovering from an earlier sidetrack failure.

### Our Approach

- Weatherford intervention experts met with an operator to discuss plans for sidetracking a deepwater well. Another service company had tried to install a casing exit, and after three failed attempts resulted in a week of nonproductive time (NPT), had departed the rig.
- To expedite deployment, two Weatherford facilities divided the tasks of assembling, dressing, and pressure testing the QuickCut casing exit whipstock system and a retrievable, hydraulically actuated, non-sealing (RHN) MultiCatch anchor.
- A Weatherford sidetracking crew mobilized to the rig with a 14-in. outside diameter (OD) QuickCut whipstock system, MultiCatch anchor, along with 14 1/2-in. OD lead and flex mills.
- After orienting and setting the anchor and whipstock at 14,092 ft, the driller milled a 14 1/2-in. window through 16-in. casing in approximately 7 hours. A 15-ft section of rathole was then drilled beyond the window, and the window was reamed—taking just 2 hours combined.
- Upon inspection at the surface, the lead mill revealed little wear, and the flex mill showed no wear.
- The operator was then able to run a drilling BHA through the window and continue with drilling operations.
- The entire operation was completed without any safety or environmental issues, exceeding the operator's requirements and expectations.

### Value to Customer

- The QuickCut system and MultiCatch anchor enabled the operator to mill an extended casing window through the 16-in. casing string, delivering a clean exit to facilitate resumption of directional drilling operations and reaching the target as planned.
- By calling on two facilities to rapidly modify and deploy specialized equipment, Weatherford was able to help the operator reduce downtime and quickly return the rig to service.
- The single-trip installation saved the operator 18 hours of rig time and associated costs.



The QuickCut casing exit whipstock system helped an operator establish a kickoff point in this offshore well.

#### LOCATION

Deepwater Gulf of Mexico

#### WELL TYPE

Development

#### HOLE SIZE AND ANGLE

14-1/2 in., 16° inclination

#### CASING SIZE AND TYPE

16-in., 108-lb/ft Q125

#### KICKOFF POINT DEPTH

14,092 ft (4,295 m)

#### PRODUCTS/SERVICES

- Re-entry services
- QuickCut casing-exit system
- MultiCatch hydraulic anchor

