



Weatherford®

REAL RESULTS

Shallow-Angle QuickCut™ Casing Exit System with Hydraulic MultiCatch™ Anchor Mills Casing Window, Increases Efficiency, Saves \$812,000

Objectives

- Set a whipstock in the casing and return the well to production.
- Drill an extended window to accommodate a rotary-steerable drilling system.

Results

- Weatherford's shallow-angle *QuickCut* casing exit system was deployed and successfully drilled a 12 1/4-in. × 72-ft (311-mm × 22-m) extended window into the casing to accommodate a rotary-steerable system.
- The *QuickCut* system with *MultiCatch* anchor successfully set a 13 3/8-in. (340-mm) whipstock at 4,278 ft (1,304 m). The 11 1/2-in. (292-mm) OD shallow-angle *QuickCut* system with hydraulically actuated *MultiCatch* anchor was successfully set at 4,318 ft (1,316 m) anchor depth.

Value to Client

- The expertise of Weatherford's field personnel enabled the operator to mill an extended casing window to provide optimum drilling parameters and a rate of penetration of 16 ft/hr (5 m/hr).
- Weatherford's shallow-angle *QuickCut* system with hydraulic *MultiCatch* anchor reduced milling time by 7 1/2 hours, saving the client US\$237,000 (\$1.4 million NOK).
- Use of the shallow-angle *QuickCut* system mitigated the need for another drilling operation, saving the client 18 hours and more than US\$575,000 (\$3.4 million NOK).
- Total time saved by the operator exceeded 25 hours, with a total cost savings of US\$812,000 (\$4.8 million NOK).

The shallow-angle *QuickCut* casing exit system's single-trip design produces the same high-performance milling and gauge retention as the standard 3° *QuickCut* system in a 2° platform. The additional length accommodates new technologies such as rotary-steerable systems and expandable and inflatable accessories.

Location
Norway

Well Type
Offshore, production

Wellbore Inclination
22°

Whipstock Orientation
50° right of high side

Casing Exit Depth
4,281 ft to 4,317 ft
(1305 m to 1314 m)

Casing
13 3/8-in., 72-ppf L-80

Anchor Setting Depth
4,318 ft (1,316 m)

Products/Services

- Fishing and re-entry services
- Shallow-angle *QuickCut* casing exit system
- *MultiCatch* anchor



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