



Weatherford®

REAL RESULTS

Weatherford Provides Openhole Whipstock in Restricted Interval, Eliminates Need for Uphole Casing Exit Saving Weeks of Rig Time

Objectives

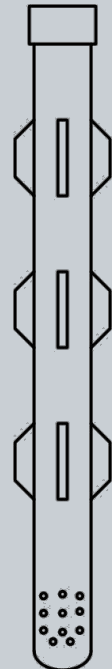
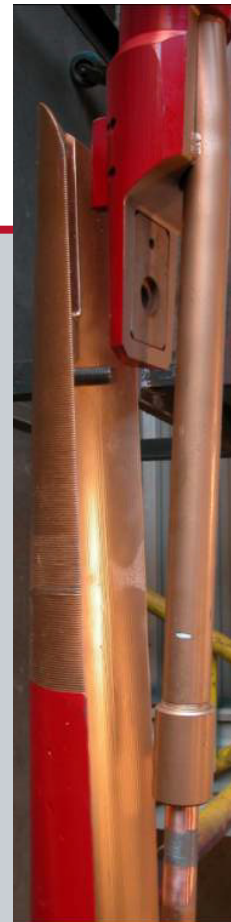
- Sidetrack an openhole well to bypass a fish that had become stuck and explosively severed. The distance between the top of the fish and the casing shoe was only about 49 ft (15 m), making conventional openhole sidetrack methods unfeasible because of the hard formation and depth 14,436 ft (4,400 m) encountered. A typical openhole whipstock requires a comfortable 131 ft (40 m) of gauged open hole to work because typically 98 ft (30 m) of cemented tailpipe anchor is run below it.

Results

- A 5 1/2-in. OD Weatherford openhole whipstock was deployed and set on the top of the fish with only a 16-ft (5-m) tailpipe and cemented in place. Typically tail pipes require three joints of tubing to support the whipstock while initiating the sidetrack.
- The Weatherford Oman team designed and built a special anchor for this job that was only 16 ft (5 m) long and had welded anti-rotation fins.
- The anchor was set on the top of the fish, with the top of the whipstock just 7 ft (2 m) below the casing shoe. The entire assembly was cemented in place and a successful openhole whipstock exit was performed.

Value to Client

- Weatherford's ability to provide a means of openhole sidetracking at an extremely restricted interval mitigated the need to move uphole to a suitable formation and perform a cased-hole whipstock exit. This saved the operator weeks of time that would have been necessary to drill to the same depth that was sidetracked with the shortened openhole whipstock assembly.



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Location
Oman

Formation
Limestone

Well Type
Onshore development

Hole Size
5-7/8 in.

Setting Depth
14,386 ft (4,386 m)

Products/Services
Weatherford openhole whipstock

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