Weatherford®

REAL RESULTS

DiamondBack™ Wireline Reamer Re-entry Guide Successfully Frees Logging Tool

Objectives

- Provide a wireline reamer re-entry guide within 48 hr to free a potentially stuck logging tool in a highly unstable open-hole well. The logging tool would need to be able to freely enter and exit the re-entry guide after which the guide would be used to clean the wellbore.

Results

- Weatherford met the client's timetable by supervising the conversion of a 7-in. *DiamondBack* reamer shoe into a wireline reamer re-entry guide.
- The *DiamondBack* reamer guide freed the logging tool on its first descent, cleaning the wellbore despite unstable hole conditions.
- The logging tool was able to successfully drift through the reamer shoe.

Value to Client

- The speed and success of the operation saved the operator time and money, eliminating the potential need for a fishing job.
- The operator was able to avoid the risks associated with more complex and costly tough-logging-condition alternatives. Weatherford's cost-effective data acquisition solution is now their preferred contingency option.

During an out-of-pipe deployment, it is crucial to get logging tools into the zone of interest, past problematic areas of the well. The pipe can then be worked and pulled to a greater tension than is possible with wireline.

Deploying the *DiamondBack* reamer re-entry guide allowed the pipe to be worked down the well under difficult hole conditions. This procedure is now the operator's preferred contingency option.

Weatherford's out-of-pipe service also allows the operator to move the pipe over stuck logging tools, freeing them from the borehole wall should differential sticking occur, thereby eliminating added rig time for cut-and-thread fishing operations.

Previously, the only other option would have been to run tools into the well on the bottom of pipe, increasing the risk of damage or breakage. This conveyance method requires the running of pipe and wireline at the same time, adding to the risk.

Location
Offshore Qatar

Well Depth
10, 733 ft (3,271 m) and 15,209 ft (4,636 m)

Maximum Deviation
54.5° and 56°

Product/Services
Wireline operations

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