

A Unique Sidetracking Challenge was Completed with the Trackmaster Select* in the Middle East

With a record mud weight and placement right above the liner shoe, the TrackMaster Select* system enabled a successful cased hole sidetrack in a single trip.

CHALLENGE

A sidetrack in 7 inch liner was required, with placement only 3 ft above the liner shoe. The planned mud weight required was also considered to be a record of 19.78ppg.

SOLUTION

The TrackMaster Select whipstock system, configured with a tri-mill and bypass valve was successfully used to mill the window and drill the rathole.

RESULTS

- Successfully completed the window in 7 inch liner in one trip.
- The window was milled and the rathole drilled in a total of 5.2 hours.
- The used tri-mill was within the acceptable gauge diameter as per criteria after the run, assuring a high-quality window.
- The subsequent directional drilling assembly passed freely through the window.



A 7 inch TrackMaster Select system with hydraulic anchor, tri-mill assembly and multicycle valve completed this challenging sidetrack.

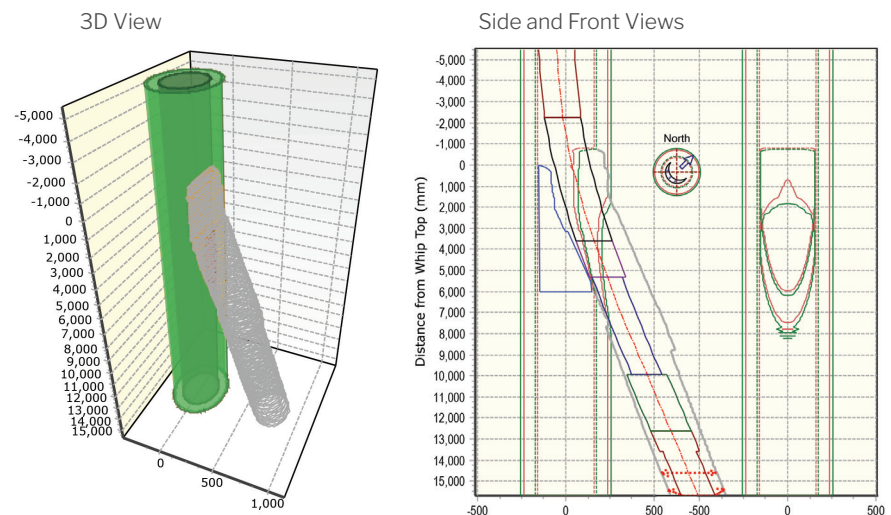
A unique challenge was successfully planned and executed by the local WIS team, while working closely with the customer.

Key Considerations:

- An exit point was required at 9,847ft in 7 inch liner 32 lbs/ft liner degrees.
- A record mud weight of 148 PCF/ 19.78ppg was required in this application.
- Setting the system only 3 ft above the 7 inch liner shoe also carried operational risk.
- The rotary steerable system drilling assembly should pass through the window to drill the 5 $\frac{7}{8}$ inch hole section to TD.

The operation was planned and executed successfully in a single trip. The window was milled and the rathole drilled in a total time of 5.2 hours. The tri-mill configuration was checked and found to be within allowable specifications. Subsequent directional drilling assembly passed through the milled window freely.

Example: Whipsim simulation output.



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Select**

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