Wellbore Integrity SOLUTIONS

TrackMaster OH 7-inch Whipstock Sidetrack Cuts 2.7+ Days of Rig Time in Hard Formation

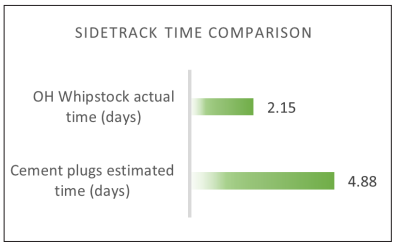
Precision sidetrack with TrackMaster* OH places TOW 30 ft below 7 inch casing in tough reservoir for a customer in the Middle East.

Optimized 5⅞ inch Open Hole Sidetrack with TrackMaster OH Enhances Efficiency and Reduces Costs in Hard, Abrasive Formation

After detailed reservoir logging analysis, a major operator in the Middle East sought a rapid and effective open-hole sidetrack solution just below the 7 inch casing shoe. A regular cement plug strategy would not be feasible because of the precision required for the kick-off point (KOP) and the hardness of the formation. The Wellbore Integrity Solutions' (WIS) team worked closely with the operator to engineer an optimal sidetracking approach, overcoming the three critical technical challenges:

- Precisely positioned the Top of Whipstock (TOW) at 30 feet below the casing shoe, avoiding an area with an oversized hole while maintaining structural integrity above the abandoned original hole.
- Executed the sidetrack in a vertical well, ensuring an accurate exit trajectory with minimal tracking or deviation risks.
- Navigated extreme formation hardness and abrasiveness, where conventional motor and cement plug sidetracking methods often fail.

Leveraging expert planning and execution, the TrackMaster OH system* successfully achieved a one-trip sidetrack, allowing the RSS assembly to continue drilling seamlessly to TD. The 2.7+ days of rig time saved highlights the effectiveness of advanced sidetrack engineering, proving the TrackMaster OH system as the superior choice for high-efficiency wellbore exits.



CHALLENGE

Sidetracking in a 5.875 inch open hole, 30 ft below the 7 inch casing shoe, required precise placement and milling in a hard, abrasive formation. Conventional methods had low success rates, demanding a high-performance alternative to minimize downtime and enable seamless RSS BHA deployment.

SOLUTION

- Deployed the TrackMaster* OH whipstock with a 2° slide for precise sidetrack initiation.
- Used a Hybrid Tri-Mill to create a high-quality window and drill the rathole in one trip.
- Partnered with the operator's team to optimize the sidetrack strategy for seamless RSS transition and improved drilling performance.

RESULTS

- Sidetrack completed in 9.5 hours as planned, showcasing efficiency and precision.
- Hybrid Tri-Mill maintained a full-gauge window, ensuring optimal directional control.
- RSS BHA passed smoothly, enabling uninterrupted drilling to TD.
- The well was completed per plan, meeting all operational and reservoir objectives.
- Over 2.7 days of rig time were saved, significantly reducing costs versus conventional sidetracking.

TrackMaster Select™

- A HISTORY OF INNOVATION
- UNRIVALED EXPERIENCE
- GLOBAL PRESENCE

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