CASE STUDY: NORTH AMERICA LAND

Careful planning ensures successful installation of TAML L4 STIM-HOOK Hanger in challenging lateral, keeps well-construction on schedule

CHALLENGES

- Difficult hole conditions while running a TAML L4 liner in a 10,000-ft lateral prevented initial assembly from reaching target depth (TD)
- High dogleg severity (8°/100 ft) and difficulty in reaching TD with primary hookup configuration, requiring a retrieve job
- Limited liner weight and torque capability
- BHA revisions were required to run liner to TD, ensure proper cement job, and inflate external casing packer (ECP) ahead of plug-and-perf fracturing operation

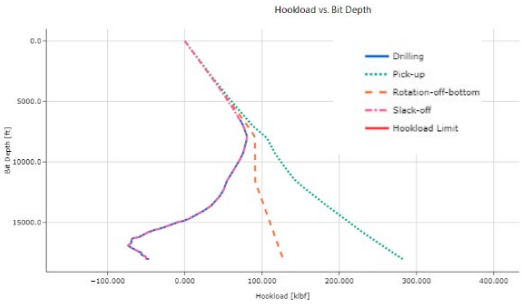
SOLUTION

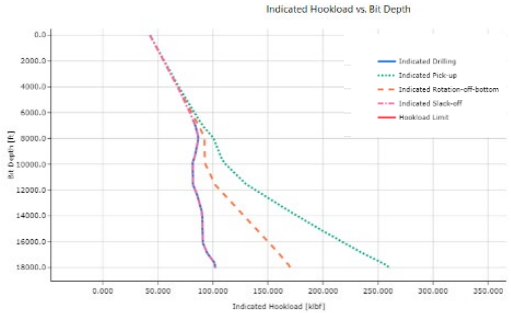
Baker Hughes North American Land (NAL) team, Multilateral Systems (MLS), and Remote Operations Center (ROC) crew developed a solution incorporating:

- An analysis of the client's well data from the first running attempt while retrieving the HOOK Hanger and liner out of the hole
- A modified BHA that included the 7.625-in. X 4.5-in. STIM-HOOK Hanger™ with LSRT, Alpha™ pressure-activated toe sleeve, ECP, Bent Joint Orientation Shoe
- A Casing Floatation Sub (BuoySub™) to float the liner to TD on second trip In long lateral and avoid excessive drag in open hole

RESULTS

- Achieved first successful installation of TAML L4 lateral liner in 10,000-ft lateral section
- Recovered from initial incident with a solution that allowed the well to be completed as planned
- Minimized risk by analyzing real-time data and leveraging expertise from MLS, the NAL region, and the ROC
- Saved 1 to 2 days of lost rig time by preparing the second hookup for successful execution while retrieving the first assembly
- Successfully ran in hole to TD on second attempt, allowing operator to fracture the cemented lateral using the plug-and-perf method





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