

OVERVIEW

Run Date: March 11, 2026
Location: Pakistan
Onshore/Offshore: Onshore
Section TD: 2,117 m (6,946 ft)
Casing Size for this Run: 13.375"
Max. Mud Weight: 15.5 ppg
Products / Services: InFocus 13-3/8" HSRT: Hi-Speed Reaming Tool

OBJECTIVE(S) AND/OR KNOWN HOLE ISSUES

A number of 'firsts' occurred during the drilling of this well:

- ✓ First time the longest 16" section was drilled.
- ✓ First time oil-based mud was used in this section. The casing was run in 15.5 ppg oil-based mud (53% oil and 30 ppb LCM in system).
- ✓ First time an InFocus 13-3/8" HSRT was run with casing by the Operator.

TOOL DEPLOYMENT / EXECUTION

No significant issues were faced while drilling this section. During last trip after reaching section TD, tight spots were observed at six different intervals, ranging from 10 - 33 meters in length (33 - 108 feet).

A successful surface test was performed prior to the run, with rotation starting at 50 GPM. At 300 GPM, 55 psi was observed. The Operator ran in hole and engaged the HSRT at several intervals as noted below:

Interval Length (meters)	GPM	WOB	Pressure
1159.34 to 1165.67 (6.33m)	210 gpm	5-8 tons	190 psi
1322.90 to 1333.49 (10.59m)	210 gpm	n/a	215 psi
1490.26 to 1499.36 (9.10m)	213 gpm	n/a	230 psi
1643.20 to 1650.24 (7.04m)	210 gpm	5-8 tons	270 psi
1807.55 to 1815.74 (8.19m)	210 gpm	5-7 tons	280 psi
1962.90 to 1970.25 (7.35m)	210 gpm	10-15 tons	300 psi
2095.45 to 2118.12 (22.67m)	210 gpm	5-10 tons	295 psi



13-3/8" HSRT:
Hi-Speed Reaming Tool

The Operator circulated and reamed through several intervals using the HSRT and landed on targeted depth.

Cementing operations went as planned.

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DRILL-OUT OBSERVATIONS

The HSRT was drilled out successfully in 1 hour with a 12.25" PDC bit (6 bladed, 16mm cutters) using the following parameters:

RPM = 100 WOB = 6 - 7 tons GPM = 660 Torque = 3k – 4k ft.lb

CONCLUSIONS / BENEFITS

For the first time the Operator was able to drill a longer 16" hole section using oil-based mud without any issues. Deploying the InFocus 13-3/8" HSRT assisted with effectively clearing wellbore obstructions at several intervals to successfully land this casing string on TD.



13-3/8" HSRT: Hi-Speed Reaming Tool prior to surface test.

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