

Job Data

Run Date: August 30, 2025
Location: Charagua, Bolivia
Onshore/Offshore: Onshore
Well Depth: 4,995 m MD (16,388 ft)
Last Casing String: 9-5/8" landed @ 3,487 m MD (11,440 ft)
Open Hole Section: 1,508 m (4,948 ft)
Casing Size for this Run: 7"
Well/Tun Type: Exploratory Gas well, J-Type Well at 47°
Mud Weight: 17.7 - 18 ppg
Bottomhole Temperature: 131°F (55°C)
Products / Services: InFocus 7" HSRT: Hi-Speed Reaming Tool



Bolivia's first HSRT: Hi-Speed Reaming Tool being tested at surface.

OBJECTIVE(S) and/or KNOWN HOLE PROBLEMS

The objective was to land casing in a directional "J" type well with high tortuosity.

Due to high tortuosity in the build and tangent section (reaching 47°), the Customer was expecting a complicated and time-consuming liner run, (as an example, the calibration run/wiper trip took up to 4 days to complete due to the high tortuosity). Expectations to land the 7" liner were quite low.

An important note is that the casing **could not be rotated** during deployment.

TOOL DEPLOYMENT / EXECUTION

- WOB: 40,000 to 80,000 lbs
- Maximum Flow Rate: 150 GPM was used to control well ECD
- Total Reaming Time in Open Hole section: 25.18 hours.
- Liner Set at 4,835 m MD (15,863 ft)

The HSRT's fluid-driven drive system allows the tool to rotate **without casing rotation**, which helped to greatly improve run performance.

Despite the high tortuosity of the well, the HSRT enabled the operator to land the liner much closer to TD than expected by the Customer. Total reaming time in open hole section was 25.18 hours. Once landed, the wellbore was circulated and conditioned for cementing. Cementing operations took place without incident.

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DRILL-OUT OBSERVATIONS

The drillout went without incident, completing the operation in approximately one hour using a 6-in bit.

CONCLUSIONS / BENEFITS

- ✓ The HSRT does not require casing rotation to activate. By pumping from surface, the hydraulic high speed reaming action of the HSRT allowed the operator to ream through obstructions, and to condition the wellbore to aid with 7" liner deployment by reciprocating the liner.
- ✓ HSRT allowed the operator to go farther and faster than expected.

OPERATIONAL NOTES / WELL INFORMATION

Casing Size/Type: 7" #32 Q125 thread THS 523

Well Depth: 4,995 m MD (16,388 ft)

Maximum Temperature: 131°F (55°C)

Circulating Pressure: 2000 psi @ 150 GPM

Total Trip-In Time: 88.5 hrs

Total Trip-In Time (Open Hole): 49 hrs

Total Hours of Circulation to the Bottom of the Well: 25.18 hrs

Total Hours from Shoe to Landing the 7" Liner: 20.29 hrs. (Well was circulated to change the density from 17.7 ppg to 18 ppg.)

InFocus would like to thank Petrolog.



7" HSRT:
Hi-Speed Reaming Tool

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