



Hat Trick (*noun*)

- *three successes of the same kind, especially consecutive ones within a limited period.*
- *(chiefly in ice hockey or soccer) the scoring of three goals in a game by one player.*
- *(in cricket) the taking of three wickets by the same bowler with successive balls.*

InFocus has scored a ‘hat trick’ in South America with three HSRT: Hi-Speed Reaming Tools in one well!

The HSRT was designed to ream and clean out wellbores, land casing on bottom and be cemented in place so operators can drill through the nose of the HSRT and continue drilling the next section. Each HSRT size is also designed to allow a smaller HSRT to run secondary casing or liners, repeating the cleanout and cementing process.

Congratulations to service provider PTI, and operator Parex-Colombia for running an InFocus 9 5/8” HSRT, then a 7”, and finally a 4 1/2” size all in the same wellbore! This is a tremendous success and another global first!

Overview

Run Date: July 23, 2022
 Operator: Parex Resources
 Location: Boranda Norte 1, Colombia
 Field: PAREX-ECP Playon magna Sirga-Bogota
 Onshore/Offshore: Onshore
 Well Type: deviated well, oil producer
 Pump Rate: 85 - 283 GPM
 Products / Services: InFocus 9.63” | 7.00” | 4.50”
 HSRT: Hi-Speed Reaming Tools

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Preparing the third HSRT prior to starting the casing run.

Our global clients DON'T TAKE CHANCES when running casing; they get to bottom on time and on depth with HSRT: Hi-Speed Reaming Tools from InFocus.

Casing Challenges

The complexity of this project created the need for the type of assurance the HSRT tools provide. This well was designated as “ST-2” meaning there were two sidetracks, and the first two sections drilled (12-1/4” cased using a 9-5/8” HSRT, and an 8-1/2” cased with a 7” HSRT) were meant to separate and isolate the water sources. Final deviation was 96 degrees; at that angle it is difficult to move a casing string. The operator was using a top drive rig which allowed them to drill faster, and also run casing faster, so in order to ensure that the casing went to bottom, all three HSRT tools were required.

The operator began running the final 4.50” casing string and 4.50” HSRT on July 23 at 4:am, reaching open hole that same day at 13:00 hrs. Once they began reaming the section, average torque seen was 3,649 ft-lbf. Flow rates were seen 85 – 283 GPM (US Gal/min), with an average flow rate of 184 GPM (US Gal/min) at a measured depth (MD) – 14,690 ft (4,477.5 m)

Conclusion

Each time the pumps were stopped, the weight-on-bit (WOB) increased, therefore the 4.50” HSRT was very much needed to clear the way to case the final well section.

The InFocus family of HSRT: Hi-Speed Reaming Tools proved their ability in overcoming all obstructions faced while running in hole, allowing casing to reach the programmed TD without any problem, at minimal cost and with zero rig non-productive time.



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