

CASE STUDY: Successful Run For InFocus 9-5/8" HSRT - COLOMBIA | case study no. 0029

Overview

Run Date: October, 2019
 Location: Colombia
 Well/Run Type: Casing run
 Run Length: 7825 ft / 8.75" hole
 Products / Services: InFocus 9-5/8" HSRT:
 Hi-Speed Reaming Tool



Objectives

This was the first run of this type of tool in Colombia, in the VIM (Valle Inferior del Magdalena). Previous wells in the area had trouble reaching TD with casing, so a 9-5/8" HSRT was deployed.

Tool Deployment / Execution

The run was a 7825 ft directional well, employing a DDV-valve which is remotely activated through a cable on the outside of the casing. Because of this, the casing could not be rotated at all, which caused casing running issues on the previous well. It was critical that the InFocus HSRT to get the casing to depth.

The HSRT was run-in-hole through 2000 ft of 20" casing. Once in open hole, the tool was used throughout the run, circulating and reaming for 5825 ft to TD without incident.

Per the well design, the HSRT was able to land the casing on-depth through problematic formations, providing a considerable time-savings to the Operator.

The HSRT was drilled out using a PDC bit with an RSS and underreamer using the following parameters:

- RPM: 50 - 60
- WOB: 5 - 15 lbf
- Torque: 8000 -11000 ft/lbs
- Flow Rate: 510 gpm
- Drill out time: 40 mins
- Drill out Diameter: 8.50"



Aluminum cuttings recovered while the 9-5/8" HSRT was being drilled out.

Well Information

- Hole Depth / Size: 7825 ft / 14.75"
- Mud Weight: 12 ppg
- Average GPM: 618 GPM