

CGX Energy Successfully Utilizes TrackMaster Select™ Whipstock for Open Hole Sidetrack in Guyana

Wellbore Integrity Solutions (WIS) and CGX Energy's collaborative efforts allowed setting a 12¼ inch one-trip TrackMaster Open Hole (OH) whipstock system to restore drilling operations effectively

A 13⅜ inch TrackMaster Select™ cased hole whipstock transforms into a 12¼ inch open hole (OH) whipstock sidetrack solution.

WIS collaborated with CGX Energy during the planning stage for an exploration campaign in Guyana. As part of the contingency plan for the 13⅜ inch casing section, TrackMaster Select whipstock systems were available in the country. During drilling operations and due to unforeseen events in the 12¼ inch open hole section, CGX Energy required immediate assistance from WIS to conduct an open hole sidetrack. Personnel and equipment were promptly mobilized to the rig location to address the challenge.

System versatility and the most reliable hydraulic expandable anchor saved approximately six days of redrilling the hole section.

The hydraulic anchor initially selected in the modular TrackMaster Select whipstock system provided a large, variable expansion rate that does not require a bottom solid set in the casing or open hole.

This versatility allowed CGX to switch from their casing contingency plans to a superior solution, sidetracking in the open hole without mobilizing additional equipment. The TrackMaster Select OH whipstock was tripped-in-hole (TIH) to the desired depth, oriented, and set successfully in the 12¼ inch hole section. The window and rathole was drilled, saving six days of time and 1,130 ft of the previously drilled open hole section.

Implementing the first TrackMaster Select OH whipstock system in Guyana enabled CGX to smoothly depart above the problematic section and continue drilling to the target TD. This accomplishment highlighted outstanding teamwork and the consistent performance of the system in multiple applications.



CHALLENGE

- An unplanned sidetrack was required in an open hole to re-establish drilling operations after unsuccessful fishing attempts and unsuitable conditions for a conventional open hole sidetrack
- The 12¼ inch open hole sidetrack should be delivered in a single trip with a suitable rathole in a challenging formation

SOLUTION

- Utilize the 13⅜ inch TrackMaster Select whipstock system with a hydraulic anchor and 12¼ inch tri-mills for an OH application
- Orient with MWD and set the system at the appropriate depth for formation stability
- Manage parameters to provide sufficient rathole for the subsequent BHA

RESULT

- Deployed and oriented the whipstock with MWD in a high temperature well and set it in the 12¼ inch hole section at a depth of 18,771 ft
- Milled a 25 ft window and 4 ft of rathole in 10 hrs and in a single trip
- A successful open hole sidetrack was completed, allowing CGX Energy to continue drilling operations to the desired target depth