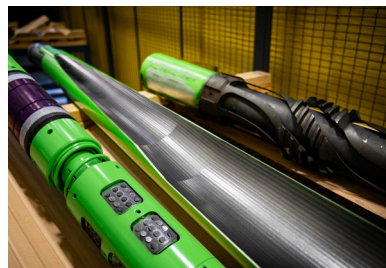
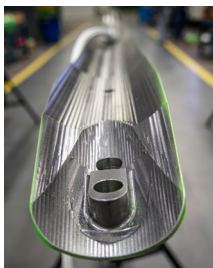
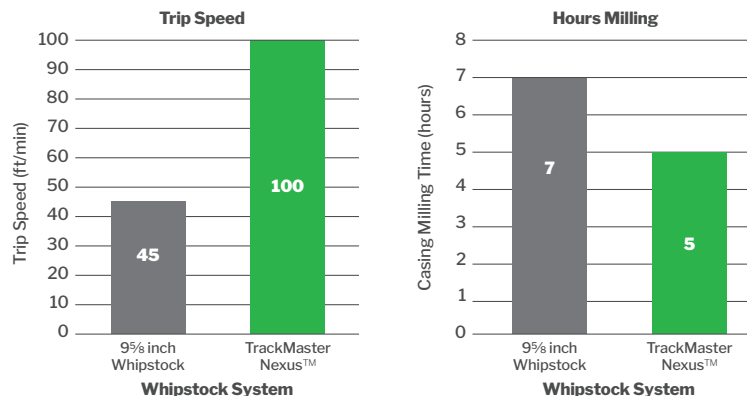


TrackMaster Nexus™ Whipstock Boosts Tripping Speed by 122% in Permian Basin

Enhanced mill-to-whipstock interface with TrackMaster Nexus increases tripping speed to 100 ft/min in North America.

Increased Efficiency and Streamlined Operations with Trackmaster Nexus

The TrackMaster Nexus™ system delivered enhanced operational reliability through an improved milling assembly attachment design, featuring a high-strength integral lug that doubled both axial and torsional load capacities compared to the previous generation. This advancement enabled faster tripping speeds, with the system run in hole at 100 ft/min—resulting in a 122% efficiency gain over conventional whipstock systems. Additionally, the whipstock was deployed with an integrated casing scraper mounted below the anchor, allowing simultaneous wellbore cleaning and eliminating the need for a separate cleanout run. This streamlined approach reduced rig time and improved overall operational efficiency.



TrackMaster Nexus™
Trip Fast | Scrape | Set | Mill | All at Once

Well Information:

Location: Permian Basin

Whip Syst. Size: 9 5/8 inch TrackMaster Nexus

CH Exit Size: 9 5/8 inch 40# L80

Mill Type: 8 3/4 inch TrackMaster Nexus Tri-Mill

Sidetrack Depth: 5,440 ft MD

Inclination: 3.5°

Max Pass Through DLS: 1.88° /100 ft

CHALLENGE

Design and implement a cased hole sidetrack operation through 9 5/8 inch 40 lb/ft L80 casing while simultaneously scraping casing on trip in hole. Ensure precise window milling and to facilitate a seamless trajectory transition into the sidetracked wellbore.

SOLUTION

- One-trip 9 5/8 inch CH TrackMaster Nexus Whipstock system with hydraulic anchor.
- 8 3/4 inch TrackMaster Nexus Tri-Mill Assembly with hybrid lead mill and TruEdge™ cutters strategically placed on gauge area.
- Deployed with an integral casing scraper mounted below the anchor assembly to perform simultaneous wellbore cleaning.

RESULTS

- Increased rig tripping speed to 100 ft/min when deploying TrackMaster Nexus Whipstock system.
- Integral casing scraper eliminated the need for a dedicated cleanout trip.
- Completed milling of an 18 ft casing exit window in 5 hours, followed by a 14 ft rat hole in 1.25 hours, in a single trip utilizing the 8 3/4 inch TrackMaster Nexus Tri-Mill assembly.
- Reduced casing milling time by 30% delivering an 18 ft window in 5 hours.
- Proven TruEdge™ cutters measured 1/8 inch under gauge on lead mill. Dress mill was in gauge.