

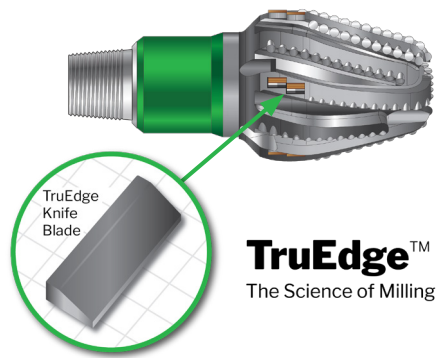
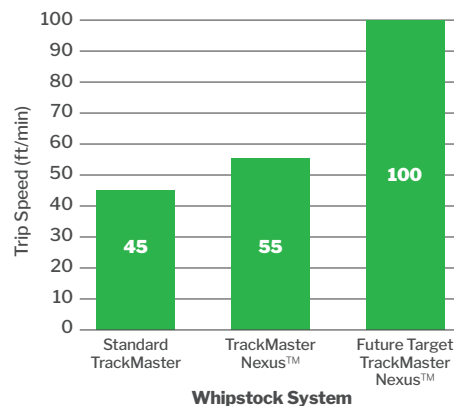
Permian Basin

First TrackMaster Nexus™ Deployment Boosts Rig Tripping Efficiency by 23%

Unrivaled technology, experience, and engineering support drive a successful deployment of the first TrackMaster Nexus whipstock system in North America for a global operator

Enhancing Downhole Performance with the TrackMaster Nexus Whipstock System

The TrackMaster Nexus™ system enhanced downhole reliability through a redesigned milling assembly attachment, incorporating an integral lug that is twice as strong as the original design. This improvement doubled both axial and torsional load capacity, enabling higher tripping speeds. The system was run in hole at 55 ft/min, achieving a 23% efficiency gain over standard whipstock systems. Future deployments are targeting 100 ft/min to unlock additional time and cost savings. These advancements significantly reduced operational time and eliminated the need for a well-prep cleanout run prior to deploying the TrackMaster Nexus system.



Location: Permian Basin

Whipstock Size: 9 $\frac{5}{8}$ inch TrackMaster Nexus

CH Exit Size: 9 $\frac{5}{8}$ inch 40# L80-IC

Mill Type: 8 $\frac{3}{4}$ inch TrackMaster Nexus Tri-Mill

Sidetrack Depth: 5,555 ft MD

DLS @ Whipstock: ~0.70° /100 ft

Max Pass Through DLS: 2.31° /100 ft

Inclination @ Whipstock: 10°

CHALLENGE

Plan and execute a cased hole sidetrack operation from a 9 $\frac{5}{8}$ inch 40# L80-IC casing by delivering a high-quality window, ensuring smooth transition into the sidetracked wellbore.

SOLUTION

- One-trip 9 $\frac{5}{8}$ inch CH TrackMaster Nexus whipstock system with hydraulic anchor
- 8 $\frac{3}{4}$ inch TrackMaster Nexus Tri-Mill Assembly with TruEdge™ cutters strategically placed on gauge area
- State-of-the-art one-piece integral mill mandrel design was deployed for this challenging application

RESULT

- Achieved a 23% increase in tripping speed efficiency over standard whipstock systems
- Completed an 18 ft window and 6 ft rat hole in a single trip using the 8 $\frac{3}{4}$ inch TrackMaster Nexus Tri-Mill
- Proprietary TruEdge cutters maintained gauge, measuring $\frac{1}{8}$ inch under with 50% less wear than standard TrackMaster Tri-Mill from offset well
- Delivered a high-quality window, ensuring smooth pass through with directional BHA and subsequent casing string