

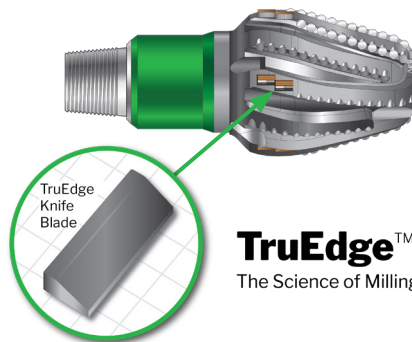
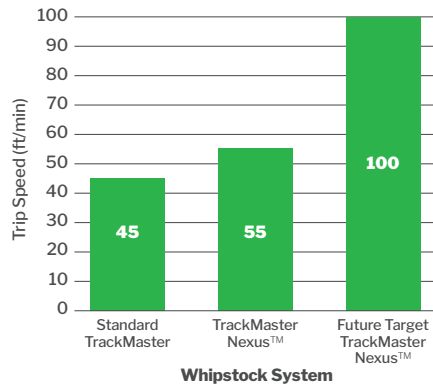


# First TrackMaster NEXUS™ Deployment Boosts Rig Tripping Efficiency by 23% in Permian Basin

Unrivaled technology, experience, and engineering support results for a Global Operator in a successful deployment of the first TrackMaster Nexus Whipstock System in North America.

## Enhancing Downhole Performance TrackMaster Nexus Whipstock

The TrackMaster Nexus™ system improved downhole reliability with a new attachment method for the milling assembly, featuring an integral lug twice as strong as the original design. This upgrade doubled axial and torsional load capacity and allowed for faster tripping speeds. The system was tripped in hole at 55 ft/min, delivering an 23% efficiency gain over standard whipstock systems, with future runs targeting 100 ft/min for additional savings. These improvements significantly reduced operational time and eliminated the need for a well prep cleanout run before deploying the TrackMaster Nexus system.



**TruEdge™**  
The Science of Milling

**Location:** Permian Basin

**Whipstock Size:** 9<sup>5</sup>/<sub>8</sub> inch TrackMaster Nexus

**CH Exit Size:** 9<sup>5</sup>/<sub>8</sub> inch 40# L80-IC

**Mill Type:** 8<sup>3</sup>/<sub>4</sub> 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<sup>5</sup>/<sub>8</sub> inch 40# L80-IC casing by delivering a high-quality window, ensuring smooth transition into the sidetracked wellbore.

### SOLUTION

- One-trip 9<sup>5</sup>/<sub>8</sub> inch CH TrackMaster Nexus Whipstock system with hydraulic anchor.
- 8<sup>3</sup>/<sub>4</sub> 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.

### RESULTS

- 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<sup>3</sup>/<sub>4</sub> inch TrackMaster Nexus Tri-Mill.
- Proprietary TruEdge cutters maintained gauge, measuring 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.



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

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