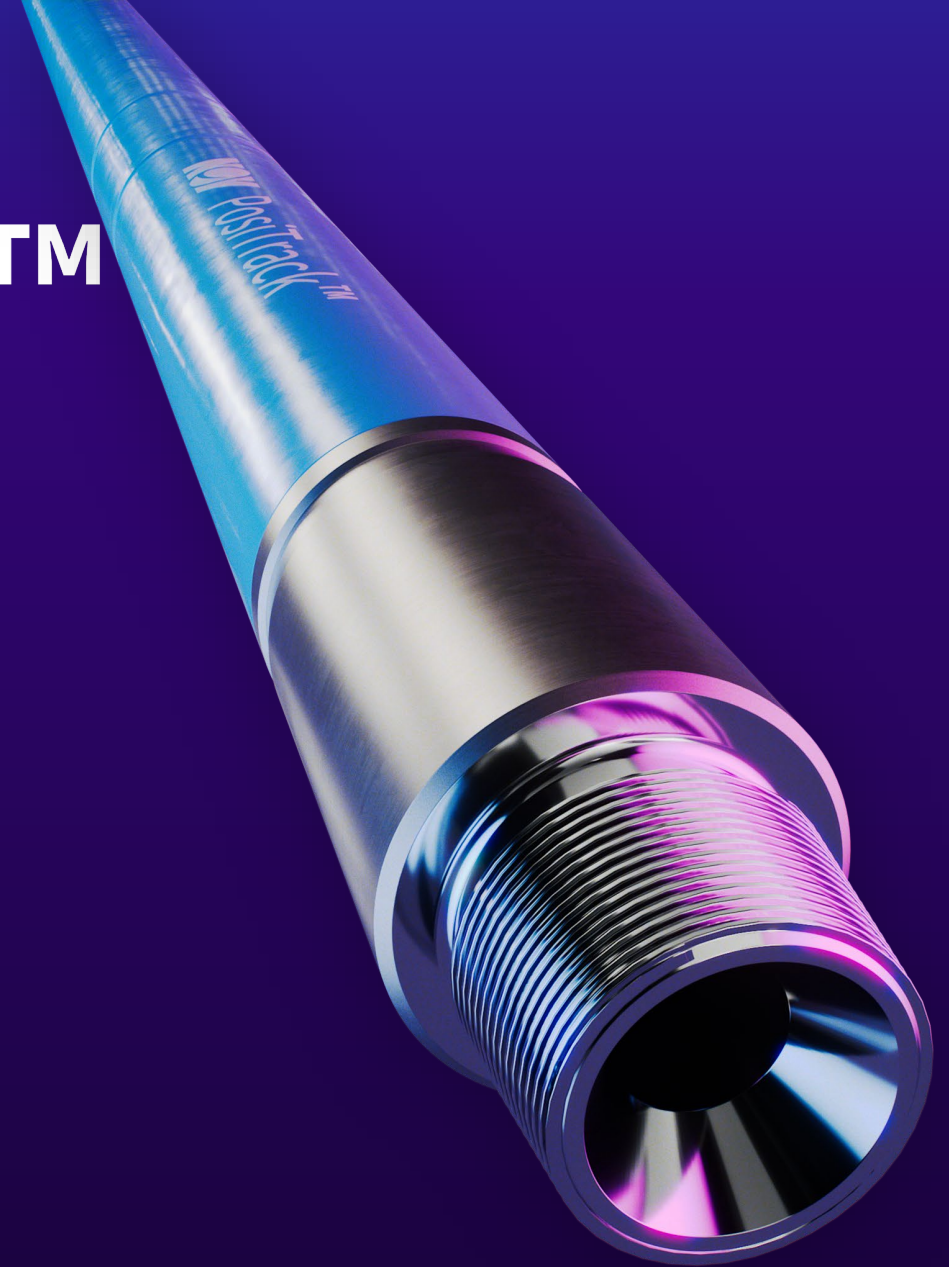


NOV PosiTrack™

A Mechanical Solution for Stick-Slip,
HFTO & Torque Management

Christian Kuhasz
June 2026



Who We Are & What We Do



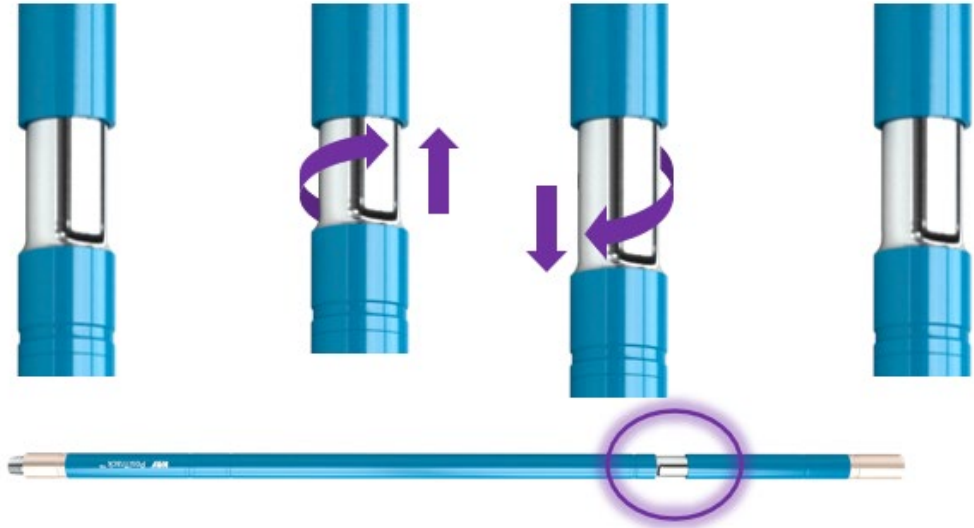
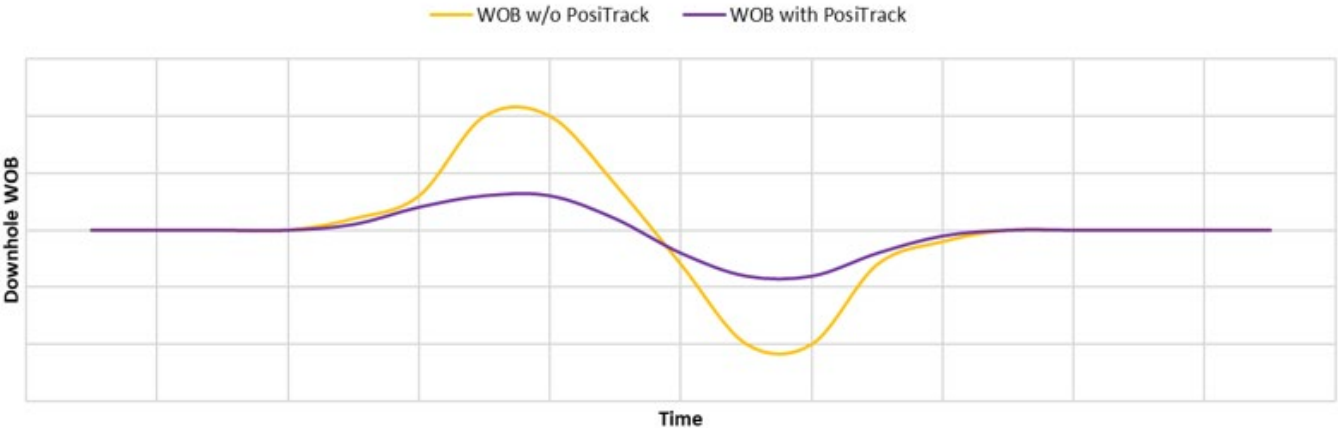
About Me

- Technical Sales Engineer – Downhole Technologies
- Support operators across Permian, Eagle Ford, Haynesville, Bakken
- Focus on BHA optimization, dysfunction analysis and drilling performance

About NOV Downhole Technologies

- Global provider of motors, friction reduction tools, shock tools, RSS, MWD/LWD and drilling optimization technologies
- Delivering solutions that improve drilling efficiency, reliability and wellbore quality
- Developer of the PosiTrack™ Torsional Vibration Mitigation Tool

How PosiTrack Works



```

    graph TD
      A[TORQUE SPIKE] --> B[Helical Spline Activates]
      B --- C[Tool Shortens Slightly]
      C --> D[Effective WOB Controlled]
      D --> E[Bit Depth of Cut Managed]
      E --> F[Reactive Torque Regulated]
      F --- G[Spring Stack Governs Energy]
      G --- H[Tool Returns to Equilibrium]
      H --> I[Stable RPM + Stable WOB]
  
```

Vibration Modes Addressed by PosiTrack™

Torsional

Stick-Slip

Reduces severe RPM fluctuations and reactive torque oscillations

Torque Fluctuations

Torque Spikes

Absorbs sudden torque increases caused by bit over-engagement and inconsistent weight transfer



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High-Frequency

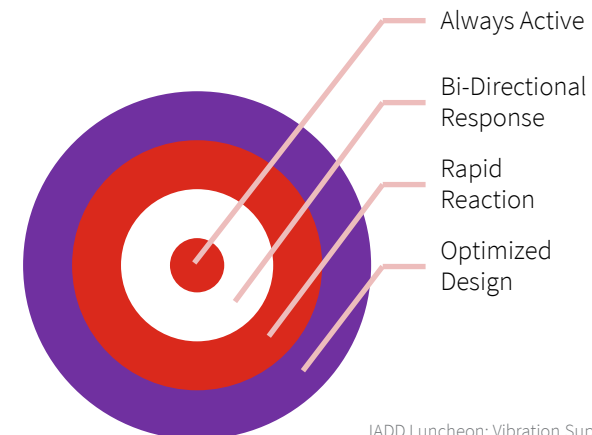
HFTO

Dampens high-frequency torsional oscillations that damage motors, RSS, MWD systems and other BHA components

Axial

Axial Vibration

Reduces bit bounce and stabilizes weight transfer to the bit



IADD Luncheon: Vibration Suppression Technology – 6/20/2026

PosiTrack actively manages drillstring energy by converting harmful torque fluctuations into controlled weight-on-bit adjustments.

**Proven Value
Case Study – Reduce downhole
dysfunction while increasing
performance in a MRSS curve-lateral
application**

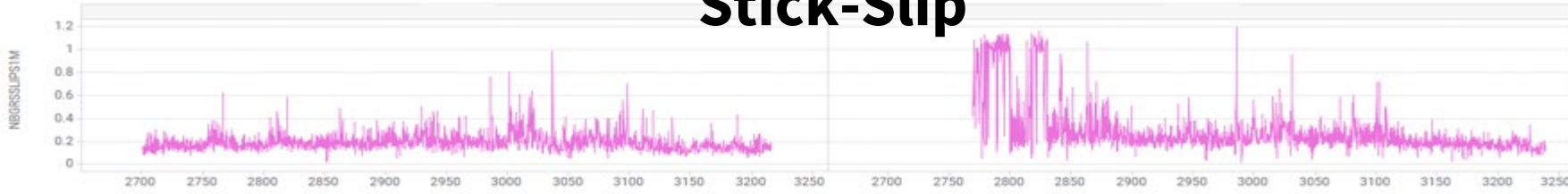
PosiTrack Reduced Vibration Across All Channels While Delivering Measurable Performance Gains



PosiTrack

Stick-Slip

Offset

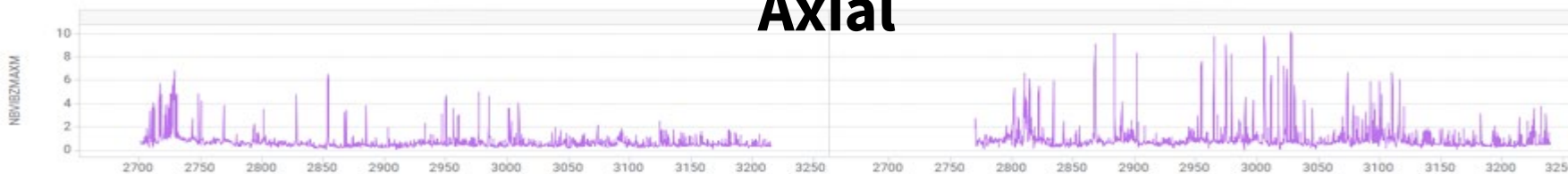


- ✓ Lower vibration across all channels
- ✓ +15% Curve ROP
- ✓ +50.6% Lateral ROP
- ✓ 55 fewer drilling hours

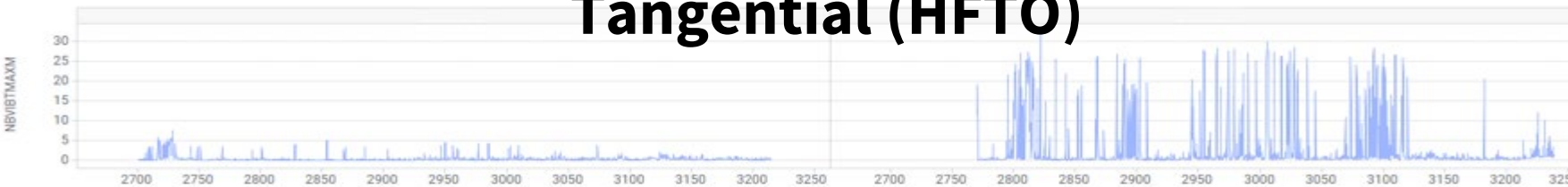
Lateral



Axial

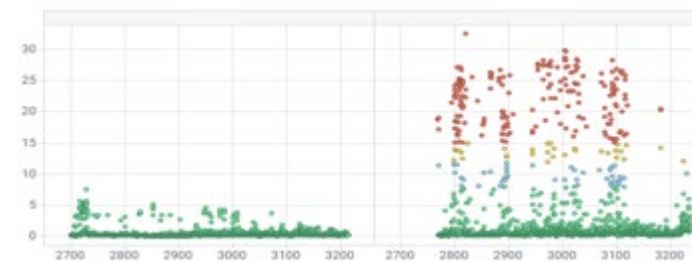


Tangential (HFTO)



PosiTrack

Offset



KEY TAKEAWAYS

Converts harmful torque fluctuations into controlled WOB adjustments.

Mitigates stick-slip, HFTO and axial vibration.

Proven to improve drilling efficiency while protecting mission-critical downhole components.

Thank You
Questions?

