



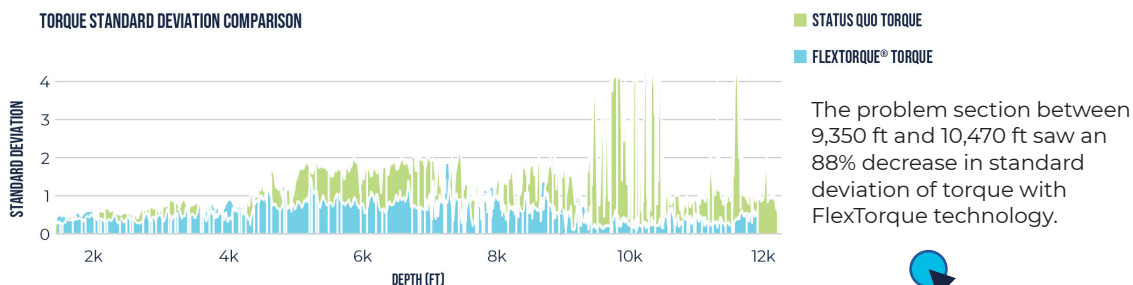
FLEXTORQUE® TECHNOLOGY

PROACTIVE STICK SLIP MITIGATION

Fluctuations in rotary speed and damaging lateral vibrations can result in stick slip, whirl, and overall downhole tool failure. H&P's FlexTorque® technology actively responds to torque fluctuations by adjusting top drive RPM to help mitigate stick slip and other BHA failures. Avoiding trips, stuck pipe, fishing jobs, and damaged BHAs all equate to reduced emissions, time to target, and costs.

ENHANCE BHA INTEGRITY AND REDUCE FAILURE AND REPAIR COSTS

- Stick slip mitigation with active control technology
- Reduced wear and tear on downhole equipment
- Reduce trips for increased safety and reduced emissions
- Decrease time to target
- Identify drilling dysfunction



Case Study
(click to view)

BOOSTING EFFECTIVENESS

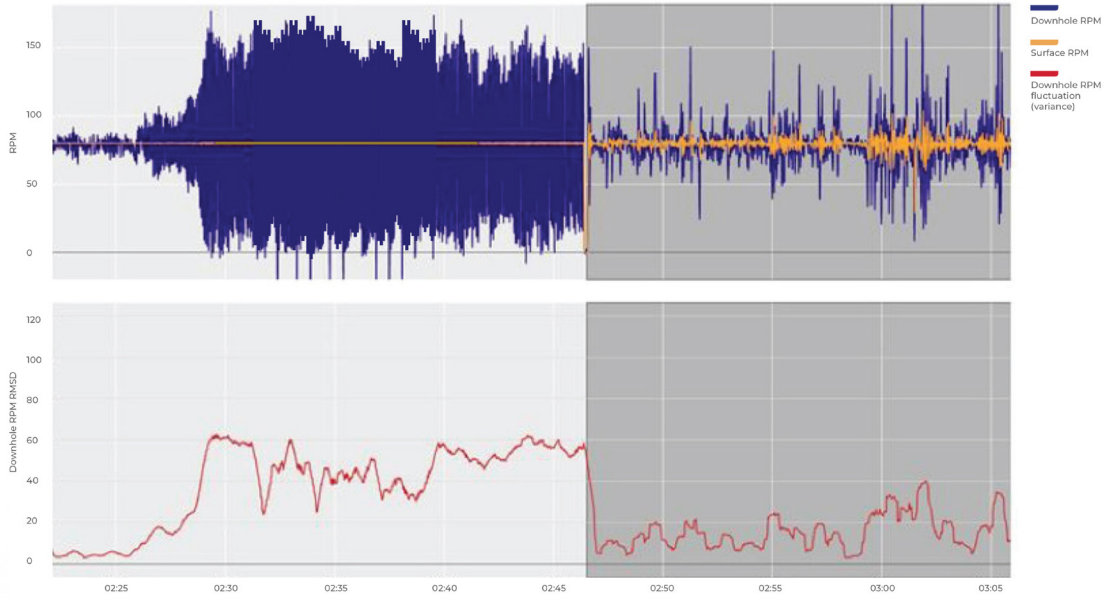
FlexTorque technology is an active control method to reduce the impact of stick/slip while drilling wells. The system helps mitigate stick slip for low order harmonics. When higher order harmonics are present, the system can also be used as an indicator for necessary action to further reduce stick slip.

For maximum value, H&P pairs FlexTorque technology with [DrillScan® engineering software](#) to analyze a drillstring's natural frequency to help enhance setpoint selection for optimized drilling performance.

PROOF POINTS

> FLEXTORQUE® SOFTWARE TURNED ON

Surface RPM begins to fluctuate, but downhole RPM fluctuations are reduced significantly.



> FLEXTORQUE® SOFTWARE TURNED OFF

Surface RPM is steady, but downhole RPM is chaotic.

CONTACT US

For more information on how H&P Survey Management can help you achieve better drilling outcomes, contact an H&P sales representative today or contact us through our website at helmerichpayne.com/contact.

It's time to follow through on your drilling performance potential.