

REvit[®] Technology

Nabors premium top drive automation that eliminates stick-slip and reduces downhole vibration, effectively overcoming a critical barrier to enhancing BHA longevity and optimizing drilling performance.

Overview

REvit[®] Technology mitigates torsional oscillation in the drill string and prevents excessive bottom hole assembly (BHA) and bit acceleration. By precisely adjusting the top drive, rpm torque waves are absorbed, and the stick slip cycle is eliminated. As a result, drillers can extend bit runs, avoid unplanned trips due to bit damage or other downhole tool failures, increase the rate of penetration and avoid erratic torque and over-torqued connections for significant savings in drilling time and costs. REvit[®] lets the top drive manage stick slip, enabling the driller to focus on drilling as fast as possible.

REvit[®] Features

- Advanced top drive automation that provides real-time stick slip mitigation
- An upgrade to the top drive for effectiveness that does not diminish throughout the run
- A proven, reliable, simple and safe surface-based system which is not prone to down-hole failure experienced by other systems
- High service quality with minimal driller input
- Remote maintenance and support through Rigline 24/7™
- Training support upon initial deployment or per customer request

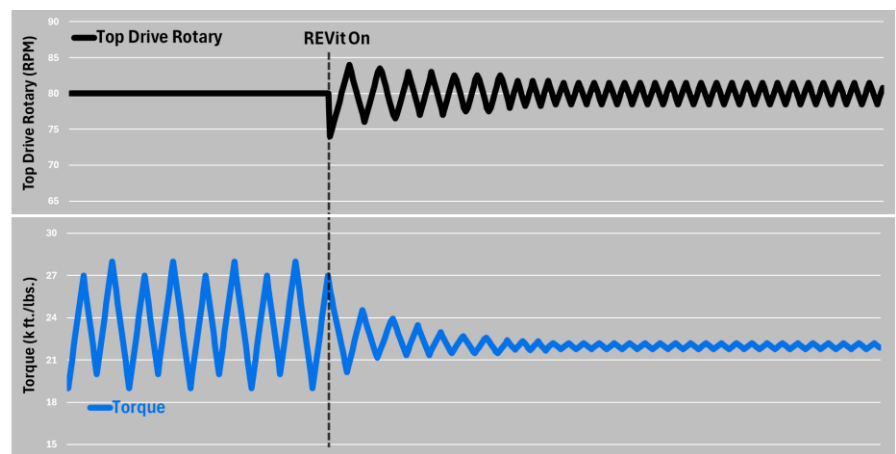
Reduced Drilling Times

Customers drilling with REvit[®] can significantly reduce on-bottom drilling time by hours and, in some cases, eliminate entire days from drilling operations.

For example, a customer drilling a 12.25" hole section to 10,800 ft. in a section notorious for stick slip, trips three times on a four-well pad around 8,000 ft., requiring a new bit and/or mud motor to complete the section, adding an additional 12 hrs. of non-productive time.

REvit[®] eliminates this lost time, while offering the potential to increase rate of penetration, decreasing rotary time by four to five hours. As a result of eliminating the three trips and saving four hours per well in drilling time, the client saves a total 48 hours on a four-well pad.

REvit[®] Dampening Effect



*Torque and RPM are out of phase; cancelling one another out