

REvit® ZT Stick Slip Mitigation Optimizes Drilling Performance in the Rocky Mountains

Trials for a third-party drilling contractor using REvit® ZT and other automation and digital platforms saw significant performance in one run sections with no DBR's and had major time and performance gain.

Overview

Drilling in the Rocky Mountain region comes with a lot of challenges and complexity. Incorporating automation provides consistency and efficiency to the operation allowing to reduce stress and wear and tear on equipment.

Results

REvit® ZT trials were conducted on two rigs in the Rocky Mountain region, comparing nine intermediate sections – four with REvit® ZT and five without. The operations were also utilizing the Nabors SmartROS® automated rig operating system in combination with our RigCLOUD® analytics, allowing the rig to quickly integrate and optimize the REvit® performance. The four sections using REvit® ZT resulted in:

- **One run** sections with **no DBR's**
- Up to **42% Reduction** in Total Days
- Up to **72% Increase** in Overall ROP
- **32% Reduction** in Stick Slip

Case Study Facts

- Rig #1 – Wyoming
- Rig #2 – Utah
- Intermediate Sections

