



Record Breaking 24,500,000 Drill Pipe Revolutions: Effective Mitigation of Casing Wear using NRPs

NRP Performance

- A Colombian land well was drilled to 18,560' using 50 BHAs over 13-months.
- The 11-3/4" casing saw a cumulative 24.5 million drill pipe revolutions.
- A USIT log read the max wear to be 27.5%.
- Without NRPs, wear modeling estimated the casing would have seen up to 100% wear.
- All NRPs showed normal wear and operated as intended - no incidents relating to NRPs.
- Multiple USIT logs allowed the adjustment of NRP frequency and placement to protect the casing and liner efficiently throughout each drilling phase.

Casing Wear % After 24.5MM Drill Pipe Revs

