

One Run 12.25” Intermediate - Delaware Basin

Reeves County, Texas

Mechanical Thruster



Challenge

Major operator in the Delaware basin experiencing high shock and vibration, resulting in damaged bits and multiple trips per section.

Application

Analyze BHA, well profile, drilling performance requirements and discuss specific objectives with drilling team. Optimize MT6-800 configuration and placement for maximum effectiveness.

Results

Single bit run to section TD, drilling a total of 8,013 ft at an average ROP of 143 ft/hr

“The main benefit, and the reason why we picked up the thruster, was due to some severe vibrations at around 4500-5000’ on the first two runs. In that zone, thruster drilled much better, higher ROP, no vibrations, and eliminated a trip – about 12 hours of savings and one bit rental.”
- Drilling Engineer

Single Run Footage
8013

Average ROP (ft/hr)
143.1

Runs from Shoe to TD
1

Number of Bits per Section

