

10,000'+ Laterals Drilled to TD with Single BHA - Delaware Basin Reeves County, Texas

Mechanical Thruster



Challenge

Delaware basin operator experiencing multiple trips per lateral section and DBR bits. Seeking to run more aggressive bits to increase ROP without the negative consequences of DBR bits resulting in trips.

Application

Analyze BHA, well profile, drilling performance requirements and discuss specific objectives with drilling team. Optimize MT3X-500 configuration and placement for maximum effectiveness.

Results

Drilling engineer chose a bit that typically DBRs quickly but provides higher ROP. Back-to-back record runs on (2) rigs, with >10,000' drilled with a single BHA on each well.

Average Footage to TD with Single BHA
>10,000'



Average Reduction per Section Drilled
2.5 Bits



Average Net Savings per Well
\$142.5K

Days vs Depth
6.00" Lateral Section

