



Case study

Torque & Drag Reduction on Alberta ERD Wells

NRPs installed on HWDP from surface to heel reducing torque and increasing weight transfer to maintain ROP

Client challenge

High torque and weight transfer issues encountered while drilling and running liner reaching rigs top drive TQ capacity

Our solution

WWT SS3-550 Non-Rotating Protectors (NRPs) used to cover the build section and into the heel to reduce both axial and rotational friction.

Results

Two similar extended-reach wells in Alberta, Canada needed torque and drag reduction while drilling with a conventional motor for a 222mm hole section and drag reduction while running the 7" liner. NRPs reduced drilling torque by 30% and 37% (shown below left) and drag while running liner by 31 klb and 34 klb (shown below right).

