WWT Non-Rotating Protectors Reduce Torque in Directional Well

High Torque with WBM

Operator predicted high torque while planning to drill a directional well with water based mud (WBM). Thus torque reduction solutions were reviewed and selected prior to spudding the well.

WWT's NRP Patented Fluid Bearing Reduces Torque

The intermediate casing shoe was set at approximately 5,100ft MD and rotary torque started approaching the limit of 5" S135 drill pipe when the decision was made to pull out of hole at 7,100ft MD to install NRPs. WWT Non-Rotating Protectors (NRPs) installed in the build and tangent sections reduced wellbore friction providing an immediate torque reduction. WWT's service hand continued installing NRPs at surface while drilling ahead to maintain torque within desirable limits and successfully TD the well.

Operator Satisfied With the Results

Torque was immediately reduced from approximately 25k ft-lbs to 17k ft-lbs upon installation of NRPs. The company man was very pleased with the performance of WWT's product commenting, "We would have never made it this far without WWT's NRPs".



Location: North America Well Type: Directional Objective: Torque Reduction Solution: WWT NRPs Results: Immediate 32% torque reduction upon installation of WWT NRPs



