UNCONVENTIONALS

Operator Drills Record Setting Wells in the Haynesville

STRATAFORCE™ MOTOR AND SOLAR® MWD SERVICE REDUCES WELL TIME BY APPROXIMATELY 40%

PANOLA COUNTY, TEXAS

Halliburton collaborated with the operator to deliver an engineered solution to reduce well time drilling a three well pad. The Halliburton Sperry Drilling team engineered bottomhole assembly (BHA) designs with DrillingXpert™ well engineering software to increase performance. The equilibrium BHA analysis module in DrillingXpert was utilized to engineer a stabilized BHA model that exhibits neutral tendency in rotary resulting in reducing overall motor slide intervals to ~ 6% and increasing rotating intervals greater than 1000 feet at a time before short corrective slides are made to line up against the well plan. The force analysis BHA modeling in DrillingXpert balanced forces in the BHA resulted an increase in BHA run life and run performance by reducing number of runs by 50% for the production hole section.

The engineering drilling solution utilized the StrataForce™ high-performance motors and high temperature rated SOLAR® MWD service to drill 6.75” curve and lateral hole section to a total well depth of ~ 21.5K feet in record 11 days average, outperforming offset wells in the adjacent pad and drilling 7 days faster resulting in ~40% decrease in total well time.

This outstanding performance led to picking up another customer in the same area, replacing a competitor on three of their rigs.