

Tesco True Results

True in our Service Towards Customer Focus

ARC Gets “Two Thumbs Up” in Canada



Customer Focus:

Improved drilling performance is key to success for operators in any market and more so in today's market conditions. This major Canadian E&P Operator was no exception as they were looking to optimize their overall drilling performance. The customer's measurable KPI was to drill the intermediate section of the well with only one PDC bit, as opposed to the two it had been taking, thus eliminating the need for a bit trip and associated rig costs. Tesco approached the client with ARCTork™, part of the Automated Rig Controls (ARC) platform, to optimize drilling performance on the rig.

True Result:

In July 2016 Tesco initiated ARCTork field trials to mitigate stick-slip and torsional vibrations associated with excessive bit wear. The measurable KPI was met ensuring the customer was able to consistently drill the desired section with only one bit. The technology also played a key part in creating a smoother drilling environment for the mud motor, BHA, pipe, surface equipment and rig. By proving the value of ARCTork on two wells the customer was willing to adopt an additional function of the ARC platform, ARCSlide™. Use of ARCSlide proved beneficial when slide drilling with a mud motor, by increasing weight on bit, in turn boosting the rate of penetration (R.O.P.) and enabling the operator to drill a more efficient well.

Proven Performance:

With the addition of ARCTork, the operator was able to eliminate the additional bit trip, saving hours in overall drilling time and extract additional equipment savings through the removal of additional bits. Additionally, drilling performance was further enhanced through use of ARCSlide, where it provided a noticeable boost in R.O.P. Overall feedback from the field personnel was extremely positive, giving the ARC technology “two thumbs up.” The total time and monetary savings associated with incorporating Tesco's ARC technology into the Operator's drilling program achieved a positive ROI on the first well.



Operation optimization with ARC

Date: July 2016

Services: Automated Rig Controls (ARC)

Products: ARCTork™ and ARCSlide™

Equipment: 350 EXI 600 Top Drive

Location: Spirit River, Alberta, Canada

Rig Type: Land