

BHA & Bit Run Directional Post-Analysis

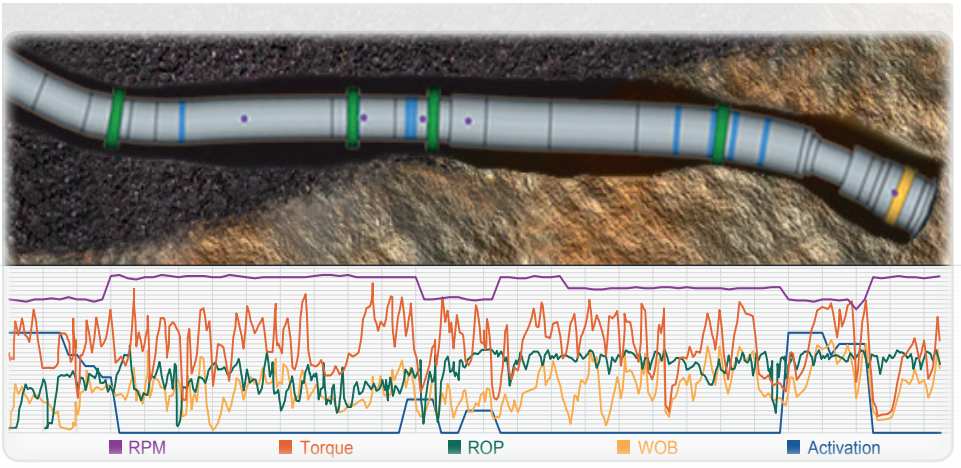
Ref: DD02

Objectives

- Define fitting parameters of previously run BHAs
- Explain unexpected directional counter-performance observed during the run
- Improve pre-directional modelling accuracy for the next run

Benefits / Pre-Well Real Time

- Enhance the learning curve by modelling existing data, capitalising on results for the next well
- Increase drilling process efficiency by reducing excessive over-steering
- Correlate hole overgauge to formation changes
- Gain an estimation of hole overgauge without a calliper log for casing centralisation and cementation



Includes

- Use of actual drilling parameters logs (steering system activation & TFO, WOB, calliper...)
- Bit-Rock interaction model, accounting for geology and UCS variation
- Sensitivity analysis on hole overgauge, bit steerability and walk, friction factor, etc...

Deliverables and Timing

- Earliest result delivery within 4 days after reception of full and usable set of data
- Delivery of final PowerPoint® or written report within 2 weeks, intermediate reports on demand
- Result support from our most experienced Drilling Champions, upon request
- Result presentation in client's office (optional)
- Real-time support available onsite or remotely (optional)