BHA Run Trouble-shooting

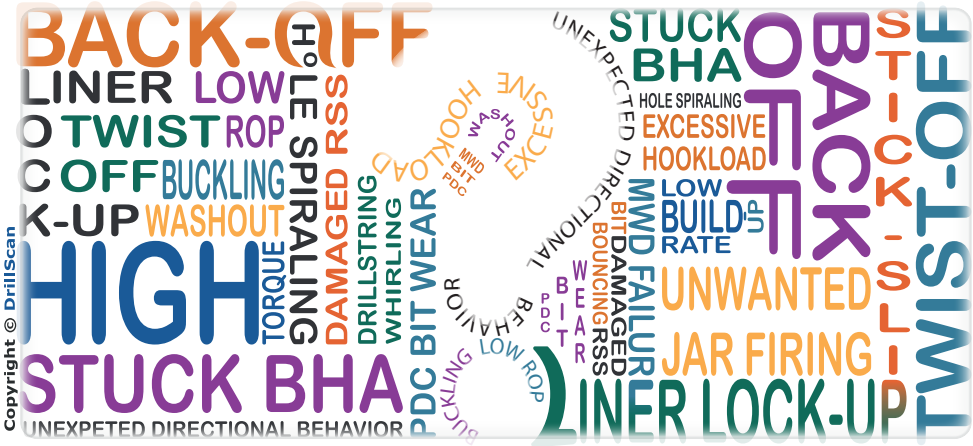
Ref: NPT02

Objectives

- Customised offer to analyse drilling counter performances accessing all required DrillScan processes
- In depth post-analysis of ROP and vibration issues, unexpected directional behaviour, abnormal T&D&B, poor weight transfer and lockup, hole quality and tortuosity issues, mechanical failures…
- Mitigate identified problems by redesigning BHA, well path and/or improve operating parameters
- Gain valuable information for essential bit-BHA design follow up and operational parameter improvements

Benefits / Post-Well

- Enhance your project learning curve by receiving a step by step analysis of complex drilling issues
- Reduce NPT and hidden lost time for following bit-BHA runs or wells
- Support in contractual issues with an independent technical investigation
- Support over cost analysis compared to AFE with an independent technical investigation



Problems that can be encountered while drilling

Includes

- Bit-BHA - Rock Interaction model with steerability assessment accounting for UCS
- Stiff-string model including unique contact point management with side force and stress calculation
- System frequencies response, vibrations analysis and modal shape determination
- Combination of in depth field observations, technical analysis and DrillScan's in house expertise
- QAQC of time and depth based logs with both surface and bottom hole measurements

Deliverables and Timing

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