Drilling Beliefs & Analytics | DBA

Act earlier, with confidence.

Drilling Beliefs & Analytics (DBA) employs artificial intelligence (AI) to provide valuable insights into critical well conditions. This enables wellsite and office personnel to make well-informed, real-time decisions that reduce risks and enhance well delivery results.

Wellbore understanding has traditionally relied on human interpretation of numerous data points, but the demands of rig operations often make it challenging to dedicate sufficient attention to these correlations. This can result in delayed recognition and response to issues such as ballooning, pack off, cuttings build up, or bit whirl. DBA offers a solution by providing real-time understanding through a probability index or belief system that assesses the likelihood of such situations occurring. This allows personnel to prioritize their focus on critical matters, precisely when it is required.

Available on NOV's Max™ Platform, our integrated applications provide a single version of the truth, enabling the wellsite and office to share insights in real time to drive operational efficiency.

Features and Benefits

- Proactively mitigate risks with early event identification

- Visual and audible alarms for quick detection of issues

- Real-time actionable insights backed by AI and Bayesian models

- Understandable AI, with fully exposed decision tree for results you can trust

- Highlights ideal parameter range to improve rate of penetration (ROP) and run lengths

- Real-time, automated modeling of torque & drag and swab & surge improves efficiency

- Analytics run at the edge ensure availability regardless of cloud connectivity

- Extend capabilities with integrated or Max Partner applications

Your Data — Made Easy™

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