Digital Mud Logging Services

Drilling solutions for geological services

NABORS
Nabors Geologists by using Quantitative Fluoresce Technique II Technology was able to pinpoint oil in two different zones and increased oil production by 400 barrels per day in sands that were considered wet.

During analysis of digital mud logging (DML) data on a client’s well, our experienced geologists noticed trends from wells in the field toward abnormal gas levels and a change of penetration rate. They immediately notified the operator, who decided to stop drilling and pull the drillstring, to discover a dull drill bit. Eliminating the dull drill bit saved the customer approximately nine hours of slow drilling time and optimized rate of penetration.
**Prevention of stuck pipe** through monitoring torque and drag to inadequate hole cleaning that can cause wellbore caving or damage

**Remote Logging** is a cost effective alternative to traditional manned surface logging. Powered by RigWatch® and myWells.com® Portal, it allows expert geologists to monitor multiple wells and support critical decisions that help drill wells more efficiently

**GEOLOGICAL WELLSITE CONSULTING:**
- Review technical package objectives and drilling program; collect and review required well site reference data, technical package, correlation, offset logs, and maps
- Formation and fluid marker picks, casing and core points; log correlation and interpretation, revise marker and target projections; TD determination
- Onsite quality control: Surface Logging, MWD, LWD, Wireline
- Liaison between rig supervision, third part contractors, and operator personnel

**GEOSTEERING**
- Real-time, 3D modeling software fully integrates with downhole tools
- Seamless communication between drilling, engineering, and geology through online access to 3D models. As one central location for communication, it is used throughout planning and drilling phases so updates are visible to all involved
- Full reservoir and well pad mapping, along with multiple views and interpretations, are available to ensure well is placed accurately and efficiently

**COMPREHENSIVE WELBORE PLACEMENT PACKAGE**
Complete package integrating NDS Directional, MWD/LWD, Geosteering, and Geological Services. Utilizing all services together provides a cost efficient and extremely streamlined service.

**SAFETY CULTURE**
Nabors has established a rigorous safety program, requires ongoing training, conducts facility and location audits, and complies with operator safety programs. Our belief is to be safer, smarter, and incident free.
Why choose Nabors’ Drilling Solutions Geological Services over the competition?

- Identify drilling risks early on
- Increase efficiency of rig operations
- Minimize nonproductive time

Enhance Your Operations

Nabors offers an integrated suite of performance products and wellbore placement services that work with our digital mud logging services to improve drilling performance. They include:

- **DrillSmart™ Technology**: A best-in-class automatic driller based on proprietary technology that allows the system to adapt to operating parameters and drilling conditions while optimizing performance.

- **AccuSteer® Measurement While Drilling Suite**: A premier directional drilling and geosteering system that provides accurate downhole data to optimize efficient wellbore placement.