



Accurately Identify
Tortuosity from Spud
to Total Depth

MICROGUIDE™
High-Resolution Tortuosity Log

gyrodata

Gyrodatta's high-resolution tortuosity logging service, MicroGuide™, delivers the most accurate wellbore tortuosity log using high-resolution data with proprietary calculations. This innovative analysis and 3D log visualization has revolutionized how production, drilling and completions challenges are addressed by providing greater insight into wellbore conditions.

MICROGUIDE LOG

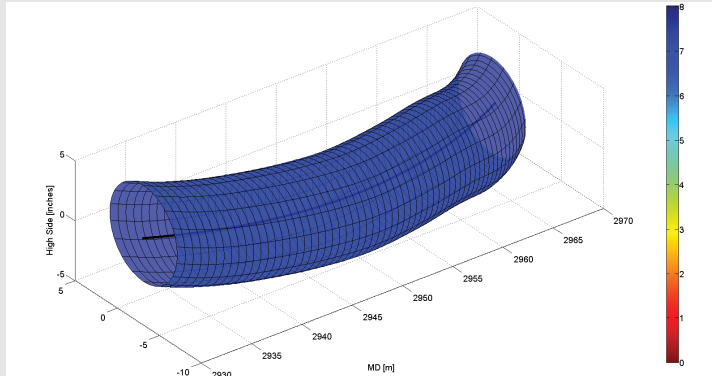


Figure 1. 3D representation of the recommended pump placement for the specific pump and wellbore based off high-resolution tortuosity data.

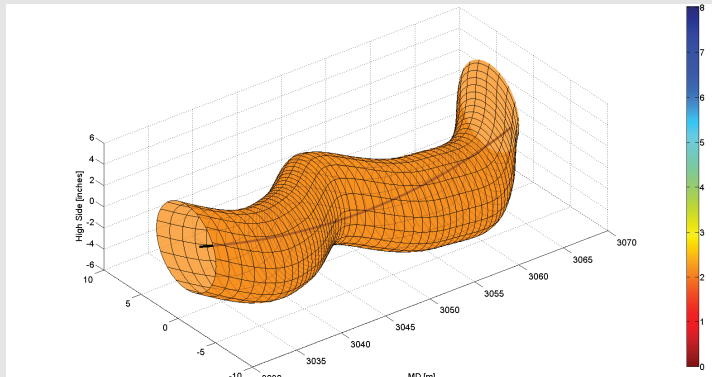


Figure 2. 3D representation of the client preferred pump placement based on low-resolution dogleg severity. The high-resolution tortuosity log provided by MicroGuide uncovered hidden tortuosity that was not seen in the low resolution survey. This area was not suitable for pump placement.

FEATURES + BENEFITS

- Provides detailed tortuosity and obstruction analysis to identify the best possible placement of artificial lift equipment and extend the life of the well.
- Delivers high accuracy measurements and high resolution imagery to improve modeling calculations and drilling engineering, such as torque and drag calculations, BHA modeling, and true vertical depth (TVD) corrections.
- Seamlessly combines with our GeoGuide cased hole logging services for a complete and in-depth depiction of the wellbore casing integrity.
- Generates customized well insight and analysis reports, including 3D visualizations as well as standard traditional log format presentations.

MARKET + APPLICATIONS

- Production
 - ESP Placement
 - Rod Guide Design & Placement
 - Seating Nipple Location
 - Subsidence Monitoring
- Drilling
 - BHA Design
 - Torque & Drag
 - Casing Wear
 - Drilling Dynamics
- Completions
 - Torque & Drag
 - Insertion Modeling
 - Liner Seal Placement
 - Packer Placement & Setting
 - Perforation Gun BHA Optimization

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