

GuideStar™ Continuous Definitive Survey Measurement

PRECISE MEASUREMENTS, TRUE WELLBORE POSITIONING

OVERVIEW

The GuideStar™ service provides continuous definitive survey measurements using high-resolution sampling for precise wellbore placement. As part of the iStar® intelligent drilling and logging platform, it processes the measurements from the BaseStar® service and delivers higher resolution survey measurements to improve true vertical depth (TVD) adjustments while drilling. The GuideStar service optimizes wellbore placement by delivering survey measurements with real-time adjustments and a higher sample rate. More precise data enhances well delivery by increasing the understanding of the wellbore placement and reducing survey time. High sampling rates improve wellbore quality by enabling micro dogleg calculations that optimize real-time drilling decisions and minimize tortuosity throughout the wellbore.

OPTIMIZE WELLBORE PLACEMENT

The GuideStar service enhances TVD placement accuracy with survey measurements taken at a high sampling rate while drilling. The density of the recorded samples allows for a wellbore correction up to every foot.

ENHANCE WELL DELIVERY

The GuideStar service's constant, high-resolution data sampling increases understanding of the centerline wellbore placement through precise TVD positioning. This helps operators hit geologic targets, maximize reservoir contact, and reduce survey time through pumps-off survey acquisition. The service also enables proactive, real-time steering decisions to avoid reducing rate of penetration (ROP) when landing a well or at critical wellbore intervals.

IMPROVE WELLBORE QUALITY

The GuideStar service improves positional certainty to increase drilling efficiency. The high sampling rates enable more accurate micro dogleg calculations, which help operators optimize real-time drilling decisions and minimize tortuosity throughout the wellbore. This results in better borehole quality and smoother casing runs.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com



BENEFITS

- » Optimizes TVD placement with high-resolution surveys while drilling
- » Increases survey sampling
- » Reduces survey time
- » Reduces tortuosity
- » Enables easy monitoring and understanding of dogleg severity
- » Reduces positional uncertainty of the wellbore
- » Improves BHA performance and operational efficiency
- » Extends life of electric submersible pumps

FEATURES

- » Definitive-grade surveys with real-time continuous inclination and azimuth measurements with QA/QC
- » Real-time high-resolution survey sampling rate
- » Recorded data processed with multiple samples per foot
- » Automated TVD calculations
- » Pumps-off surveys
- » Easily controlled remotely or at the rigsite

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