

Quasar Pulse® M/LWD Service

FORMATION EVALUATION MEASUREMENTS IN EXTREME-TEMPERATURE ENVIRONMENTS

OVERVIEW

The Quasar Pulse® measurement/logging-while-drilling (M/LWD) service from Halliburton Sperry Drilling provides directional, gamma ray, and pressure-while-drilling (PWD) measurements and telemetry to help place the wellbore accurately and reduce well time. Especially suited for extreme-temperature environments, the Quasar Pulse service provides reliable directional data and steering capabilities, with the option of wireline-quality formation-evaluation measurements.

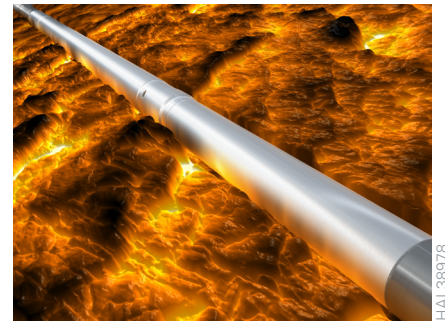
MAXIMIZE PERFORMANCE IN INACCESSIBLE AND HIGH-TEMPERATURE RESERVOIRS

The Quasar Pulse service operates in temperatures as high as 392°F / 200°C, and pressures up to 25,000 psi / 172 MPa. It helps enable access to reservoirs, which, up until now, were either inaccessible or had to be drilled “blind.”

Real-time, drilling-optimization sensors enable precise and cost-effective drilling, thus maximizing asset value in high-temperature and high-pressure applications. The system’s rugged sensors are designed to withstand downhole vibrations, and are rigorously tested to ensure operational reliability under the harshest drilling conditions. All measurements are available in real time and also in memory for post-run retrieval.

FEATURES

- » Directional surveys, with the same accuracy as standard-temperature systems
- » Gamma ray service, including multiple redundant detectors
- » Annular and bore pressure while drilling
- » Real-time vibration measurements



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BENEFITS

Drill to Produce

- » Geosteer in high-temperature reservoirs, where wells previously had to be drilled “blind”
- » Access reserves that are inaccessible, using conventional LWD tools

Reduce Well Time

- » Monitor downhole conditions in real-time, which helps to enable safe operation in wells where accurate knowledge of down-hole pressure and temperature is critical
- » Save rig time and costs by avoiding the need for “staging” into the hole to keep tools cool; tools can be run straight to bottom

For more information, contact us at sperry@halliburton.com or visit us on the web at www.halliburton.com

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