

Measurement built around the well.

Specialty MWD and LWD technology, technical support and independent analysis for drilling teams.

01 / NEAR-BIT MEASUREMENTS

Flashlight

Positioned between the motor and bit, Flashlight measures inclination, azimuth, gamma and azimuthal gamma near the cutting structure. An EM short-hop carries data to a receiver in the MWD string for transmission to surface.

02 / AZIMUTHAL GAMMA

Quad Orbital

Four gamma sensors in one retrievable probe provide selectable azimuthal bins, up/down sliding measurements and rotary inclination. The module is designed to replace the gamma module in a compatible MWD string.

03 / PROPAGATION RESISTIVITY

Omega

Omega measures phase-shift and attenuation resistivity at 400 kHz and 2 MHz. A retrievable probe lands in a slotted collar, using symmetrically positioned transmitters to compensate for borehole effects.

04 / ANNULAR PRESSURE

APWD

A calibrated, temperature-compensated pressure instrument records average, peak and resting annular pressure alongside temperature and drilling dynamics. Sampling and measurement start times are programmable, with memory recording and real-time transmission.

Start with the decision.

Measurement & telemetry

Discuss near-bit measurements, azimuthal gamma, propagation resistivity and annular pressure alongside mud-pulse, EM and dual-telemetry options. Compatibility and performance depend on the selected assembly and operating conditions.

Field support & independent analysis

Technical consulting includes failure-report analysis, onsite inspections, shock and vibration assessment, and downhole-data review. Interpret tool behavior in the context of the drilling conditions.

Pre-job information

Share the well objective, hole and collar sizes, temperature and pressure expectations, mud system, anticipated formation conditions, required measurements and proposed telemetry path.

Technical review

Use the individual product sheets for published system parameters. Temperature, pressure and dynamics ratings are product-specific, not universal fleet limits. Confirm all current configurations with MWD Solutions.

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Prepared from the supplied MWD Solutions mobile deck and MWD, Flashlight, Quad Orbital, Omega and APWD brochures. Technical-review edition, pending company approval.