

- Gamma ray sensors measure the natural radioactive emissions from isotopes of potassium, uranium, and thorium contained in, or absorbed into the mineral components of sub-surface rocks. Each formation has a unique signature which provides drilling personnel an indication of lithology useful for confirming formation characteristics and geosteering.
- The gamma ray sensor is composed of a scintillation crystal and a photo-multiplier which are sensitive components to place in the severe conditions encountered downhole. To address this inherent susceptibility, the FUSION GR sensor is housed in a proprietary suspension system that dampens the shock and vibration effects imposed on the crystal. Our innovation has significantly improved the reliability of our gamma tool and has reduced sensor failures.

FEATURES

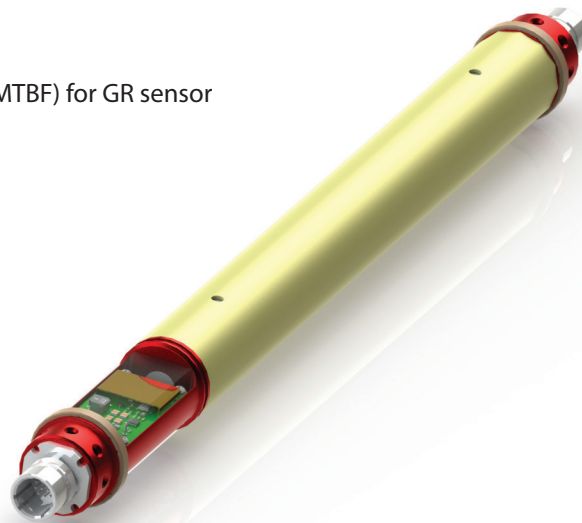
Proprietary suspension system
Higher shock tolerances
Extended and focused GR modes

APPLICATIONS

Any project where operators seek an inexpensive and reliable solution for determining formation tops and boundaries
Any horizontal wellbore where geosteering is required to track formation

BENEFITS

Longer mean time between failures (MTBF) for GR sensor
Real-time lithology data to surface



Contact Cathedral Today

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FUSION GR

FUSION EM FEATURES

- ✓ Two-way data transmission
- ✓ Real-time data transmission
- ✓ Provides continuous inclination data
- ✓ High output model provides stronger signal without battery limitations
- ✓ No lost circulation material (LCM) or mud property restrictions