Technical Specification Sheet

Spectral Gamma Ray & CCL Tool - 2 3/4 in.

The Spectral Gamma Ray & Casing Collar Locator Tool (SGRCL2) operates on our common tool bus and can be combined with the Reservoir Analysis Sonde, Production Logging Tools or both.

The SGRCL2 consist of a Casing Collar Locator sensor (CCL) signal and a Sodium Iodide gamma-ray detector and electronics. The tool outputs are total GR counts, a 256 channel spectrum of gamma ray energy and the CCL signal. Processing on the surface system analyses the gamma ray spectrum for the three most common natural radioisotopes: potassium (K), uranium (U) and thorium (Th).

Data from the SGR processing is used for mineral composition and Clay Volume calculations. The tool may also be used for isotope identification during fracturing operations and may provide useful insight to RA deposits in and around the wellbore.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	2.75 in (70.0 mm)
Make Up Length	47.7 in (1,212.0 mm)
Weight	42.1 lb (19.1 kg)

Measurements

Depth of Investigation	9.5 in (241.0 mm)
Precision	0.5%
Accuracy	K +/- 0.5%, U +/- 5Kppm, Th +/- 5Kppm
Max Logging Speed	25 fpm (7.6 mpm)

Hardware Characteristics

Materials	Titanium | Corrosion resistant materials used throughout	
Combinability	RAS	
Acquisition Mode	Real-time (with TCU)	Memory (with MLT)

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