

Coring Services

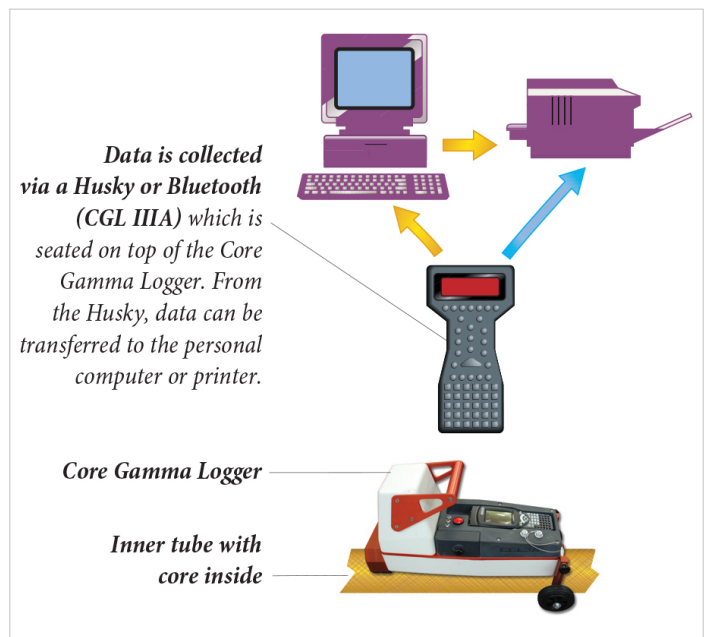
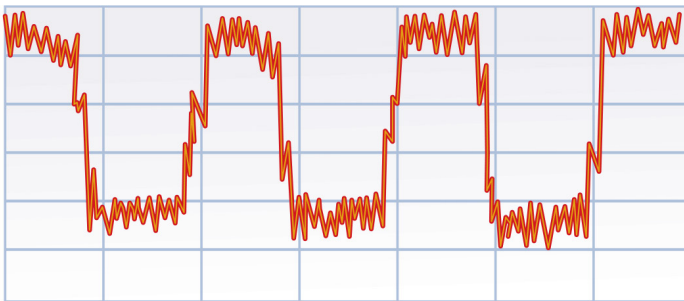
Core Gamma Logger (CGL) surface processing and handling

The Core Gamma Logger (CGL) provides a genuine breakthrough in core analysis at the well site. The CGL is a portable device that provides gamma ray logs immediately after the core has surfaced and been cut. It is mainly used to correlate cored sections with anticipated lithology by delineating shale from non-shale sections. All rocks contain natural radioactive material, but shales have much higher gamma emissions than others such as sandstone or limestone. Reliable on-site analysis enables operators to make quick, real-time decisions on further coring, testing and well completion activities.

Immediately correlate cored section with lithology of nearby offset wells to quickly refine plans for coring, logging, testing, perforating or stimulation.

Not a substitute for laboratory analysis, but a superb means of expediting operational decisions on-site, in real time.

Portable, can be hand carried.



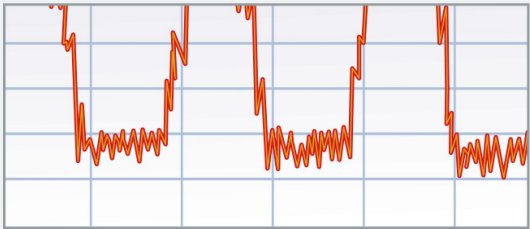
Core Gamma Logger III technical specifications

	IMPERIAL	METRIC
Box (L x W x H)	39.4 in. x 23.6 in. x 23.6 in.	100 cm x 60 cm x 60 cm
Box weight	132 lbs	60 Kg
GAMMA LOGGER		
Sample rate	2 in.	50 mm
Logging speed	60 in/min	1.5 m/min
Scintillation detector type	Nal	Nal
Scintillation detector size	3 in. x 3 in.	76 mm x 76 mm
Operating temperature	-4°F to 122°F	-20°C to +50°C
Environment protection	Water and Shock Proof	Water and Shock Proof
Logger weight	44 lbs	20 Kg
Core size	2 in. to 5-1/4 in.	50.8 mm to 133.4 mm
OUTPUT		
Paper print	Scale 1/40 - 1/50 - 1/100 - 1/200 - 1/500	Scale 1/40 - 1/50 - 1/100 - 1/200 - 1/500
PDF file	•	•
ASCII file	•	•

Operating mode

Total gamma ray. This mode records the total natural gamma radiation of the formation to indicate sand and shale sections, allowing lithological sequencing. It is useful for depth matching core to well logs, which is especially effective when natural radioactivity is high. In depth matching, gamma radioactivity, which is expressed in counts per second (CPS), is directly compared to the well log.

Logging speed
Total Gamma: 1.5m/min or 4.9ft/min



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