

Gamma Ray Tool (GRT)



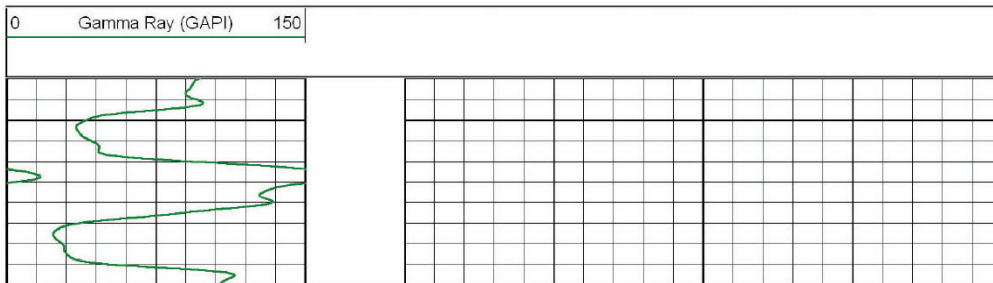
The Gamma Ray Tool (GRT) measures the natural radioactivity of the formation. These measurements provide lithological identification, definition of clay content, depth control, reservoir delineation, well-to-well correlation, and the correlation between different logging runs.

Description

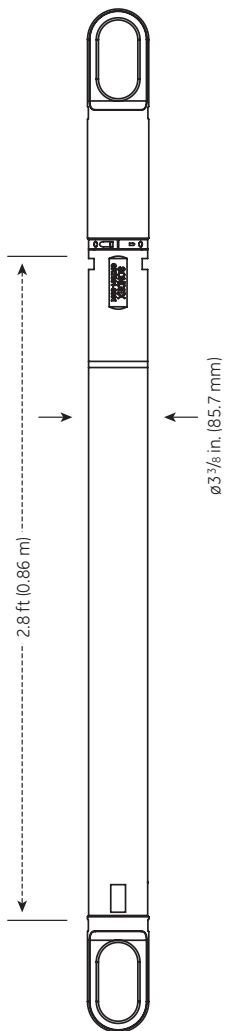
Naturally-occurring gamma radiation within the formation are measured by the GRT tool. The GRT tool uses a scintillation crystal combined with a photomultiplier to detect the level of gamma radiation surrounding the well. This measurement is related back to an API standard.

Features

- Can be run in both open and cased hole environments
- Fully compatible with Sondex Ultrawire* tools
- API calibrated



Gamma Ray Tool (GRT)



Specifications	
Maximum OD	3 ³ / ₈ in. (85.7 mm)
Makeup length	2.8 ft (0.86 m)
Weight	69 lb (29 kg)
Maximum temperature	302°F (150°C)
Maximum pressure	20 kpsi (137.9 Mpa)
Minimum hole	6 in. (152 mm)
Maximum hole	22 in. (559 mm)
Tensile strength	50,000 lb (22,700 kg)
Compressive strength	175,000 lb (79,400 kg)
Sensor Offsets	
GR Crystal	2.2 ft (0.67 m)
Borehole Conditions	
Borehole fluids	Salt, fresh, oil
Maximum logging speed	66 ft/min (20 m/min)
Tool position	Centralized, eccentralized
Measurement	
Accuracy	+/- 5%
Vertical resolution	6 in. (0.15 m)
Sensitivity	3.0 Counts/API
Primary curves	Gamma ray API
Hardware and Power Requirements	
Tool bus	Ultrawire*
Power	45 mA (18V DC)



GE imagination at work

Visit us online at:
www.ge-energy.com/wireline

*Trademark General Electric Company.
 Copyright ©2011 General Electric Company. All rights reserved.
 GEA18059B (07/2011)