



4.1 9239 - Density Tool

The 9239 compensated density logging tool uses the two focused density detectors to compute borehole compensated density real time while logging.

Features

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1. Natural Gamma:
2.2 x 10.16 cm NAI Scintillation
 2. 3-Element Guard
Resistivity: 127.6 mm guard electrode
 3. Caliper: Motorised,
uphole actuated
 4. Far Density:
2.2 x 10.16 cm, 35.8 cm spacing
 5. Near Density:
2.2 x 3.2 cm, 20 cm spacing
 6. Radioactive source:
11.1GBq Cesium 137 in bullplug

Tool Specifications

Length: 280cm
 Temperature limit: 85°C
 Diameter: 56.2mm
 Pressure limit: 175kg/cm²
 Weight: 32.7kg
 Logging Speed: 9 m/min

Sensor	Response Limits	Accuracy
Natural Gamma	0 to 10,000 API units	+/- 0-5%
Short Arm Caliper	to 35.6cm	- 0.635 cm
Near Density	0.5 to 3.5g/cc	- 0.05g/cc
Far Density	0.5 to 3.5g/cc	+/- 0.05g/cc
Resistivity	0 to 40,000 ohm meters	+/- 0-5%

9239 Density Example Log

