



4.5 9076 Dual Resistivity Tool

The 9076 tool records natural gamma, self potential, shallow and deep guard resistivity. The measurement of formation resistivity at several different depths of investigation allows a correction to be made for the effect of mud filtrate invasion. An estimate of the depth invasion may also be obtained.

Features



Short Guard

1. Short Guard Resistivity: ground measure and lower guard electrodes

Deep Guard

2. Deep Guard Resistivity: upper guard, measure and lower guard electrodes, 3 m

Gamma

3. Natural Gamma: 2.2 x 10.1 cm, NaI scintillation

SP

4. Spontaneous Potential: +/- 0.1 mV resolution.

Tool Specifications

Outside Diameter: 5.08cm
 Weight: 24.2kg
 Length: 295.6cm
 Pressure limit: 232kg/cc
 Temperature limit: 85°C
 Logging speed: 9m/min

Sensor	Response Limits	Accuracy
Natural Gamma	0 to 10,000 API units	+/-5%
Short Guard Resistivity	0 to 40,000 ohm meters	+/-5%
Deep Guard Resistivity	0 to 20,000 ohm meters	+/-5%
Spontaneous Potential	- 400 to + 400	+/-5%

9076 Dual Resistivity Example Log

