



PRODUCT DESCRIPTION

Tool#: 9075		Part#: 250050	
ToolName:		Compensated Neutron Logging Tool	
Tool Description:		The Compensated Neutron tool contains a two detector, neutron system which uses a 5.0 Curie, Am241Be source to record neutron porosity of the formation. Additionally, the tool also records short and long neutron counts, natural gamma, temperature and a deep guard resistivity.	
Tool Specifications		Illustration	
Length:	282 cm (111 in.)	<p>9075 Compensated Neutron Logging Tool</p> <p>0.0</p> <p>Natural Gamma 30.5cm (12")</p> <p>282cm (111") Overall Length</p> <p>Deep Guard Resistivity 147.3cm (58")</p> <p>Neutron Detector-Far Spacing 218.4cm (86")</p> <p>Neutron Detector-Near Spacing 241.3cm (95")</p> <p>Temperature 265.4cm (104.5")</p> <p>Radioactive Source 276.9cm (108")</p>	
Diameter:	5.1 cm (2.0 in.)		
Weight:	16.4 kg (36 lb.)		
Temperature:	85 C (185 F)		
Pressure:	232 kg/cc (3300 PSI)		
Voltage Required:	70 vdc		
Logging Speed:	9M/min. (30ft/min.)		
Sensors			
1. Natural Gamma:			
2.9 x 10.2 cm (1.125 x 4.5 in.) NaI Scintillation Offset: 30.5 cm (12 in.)			
2. Deep Guard Resistivity:			
Upper guard, measure and lower guard electrodes, 3 m (10 ft.) Offset for measure electrode:147.3 cm (58 in.)			
3. Neutron Detector			
Far Spacing:He3 5.1 x 25.4 cm (2 x 10 in.) 61cm (24 in.) spacing Offset: 218.4cm (86 in.)			
4. Neutron Detector			
Near Spacing:He3 2.9 x 10.1 cm (1.125 x 4.0 in.) 32.4 cm (12.75 in.) spacing Offset: 241.3cm (95 in.)			
5. Temperature Measurement:			
Thermal temperature on needle sensor. Offset: 265.4 cm (104.5 in.)			
6. Radioactive Source:			
5 Ci AmBe 241 neutron source, Bullplug Offset: 276.9 cm (108 in.)			
		<p>Tool Od is 51mm (2.0") and Weight in air is 16.4Kg (36lb.) (Drawing Not to Scale)</p>	



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