CENTURY GEOPHYSICAL LLC. PRODUCT DESCRIPTION

9650 Series Induced Polarization Logging Tool

Background Information:

The Induced Polarization Logging tool is a multi-parameter tool for hard rock mining application and uranium exploration. Chargeability of the formation is used to detect sulfide bearing rocks, similar to pyrites and other magnetic minerals. The tool uses a 16 and 64 array electrode spacing and passes an alternating current through the formation.

Droportion Magnirod (c					
Properties Measured (see diagram)			Tool Spe	Tool Specifications	
1. Natural Gamma: (optional) 2.5 x 10.2 cm (1.0 x 4.0 in.) NAI Scintillation Offset: 182.9 (72.0 in.) 2. Spontaneous Potential: Offset: 137.2 cm (54 in.) 3. Single Point Resistance: Offset: 137.2 cm (54.0 in.) 4. Induced-Polarization 0.1 mV/V resolution Offset: 25.4 cm (10.0 in.)			Length: 244 Temperatur Diameter: 5 Pressure: 28 Weight: 15 Logging Sp Tool Voltag	re: 85 C (51 mm (2 81 kg/cm kg (33 l) beed: 9 m	(185F) 2.0 in.) n ² (4000 PS b.) n/min. (30
Sensor Response Ranges	ı		I		
Sensor	Response Lin	Response Limits			Accuracy
Delisor			0-400,000 API units		+/-5%
Natural Gamma (NG)	0-400,000 API	units			T/ = J /0
	0-400,000 API .1 – 3 m/rad	units			+/-1%
Natural Gamma (NG)					1
Natural Gamma (NG) Induced-Polarization (IP)	.1 – 3 m/rad				+/-1%
Natural Gamma (NG) Induced-Polarization (IP) Spontaneous Potential (SP)	.1 – 3 m/rad -400 - +400 m				+/-1% +/-5%
Natural Gamma (NG) Induced-Polarization (IP) Spontaneous Potential (SP) Single Point Resistance (SPR)	.1 – 3 m/rad -400 - +400 m			Part #	+/-1% +/-5% +/-5%
Natural Gamma (NG) Induced-Polarization (IP) Spontaneous Potential (SP) Single Point Resistance (SPR) Tool Information	.1 – 3 m/rad -400 - +400 m 0-2,000 ohms			Part # 378000	+/-1% +/-5% +/-5%