

PROBE APPLICATIONS CHART

Log Measurement (Probes)	NUCLEAR			ELECTRICAL			ACOUSTIC			STRUCTURE			FLUID PROPERTIES			CASING										
	Gamma Spectroscopy (1)	Bed-Resolution Density (BRD) (11)	High-Resolution Density (HRD) (12)	Long-Spacer Density (LSD) (13)	Neutron-Neutron (8)	Focused Electric (16)	Focused Induction (9)	Magnetic Susceptibility (20)	64" Normal Resistivity (10)	16" Normal Resistivity (10)	Single Point Resistance (SPR) (10)	Spontaneous Potential (SP) (10)	Acoustic Televiewer (17)	Compressed Sonic (12)	Full Waveform Sonic (12)	4-Arm Dipmeter (7)	Vertically (4) 5-Arm (5)	Caliper (3-Arm or 4-Arm) (3)	Temperature/Differential Temperature (3)	Fluid Conductivity (18)	Flowmeter (19)	Borehole Television (29)	Casing Collar Locator (CCL) (2)	Cement Band Log (CBL) (12)	Optical Televiewer (22)	
Borehole Fluid Quality																										
Borehole Inclination																										
Borehole Inclination/Direction																										
Bulk Density																										
Casing Features																										
Casing Leaks																										
Cement Bonding																										
Cement Location																										
Cement Thickness																										
Coal Ash																										
Coal Moisture Content																										
Correlation																										
Diameter/Hole Volume																										
Elastic Properties																										
Fluid Flow																										
Formation Dip and Direction																										
Formation Fluid Quality																										
Formation Resistivity																										
Fractures																										
Lithology																										
Mineral Identification																										
Permeable Zones																										
Poisson's Ratio																										
Porosity																										
Stale Content																										
Uranium/Thorium/Potassium																										
Water Level																										

Chart Key:

- A** No restrictions on hole
- B** Open hole
- C** Cased hole
- D** Water filled hole

KEY PROBE

- 1 Natural Gamma (optional on many probes)
- 2 CCL (optional on many probes)
- 3 3-Arm Caliper
- 4 Vertically
- 5 Borehole Geometry
- 6 Magnetic Susceptibility
- 7 4-Arm Dipmeter
- 8 Dual Neutron
- 9 Dual Focused Induction
- 10 Electric Log
- 11 Formation Density
- 12 Full Waveform Sonic
- 13 Density Gamma
- 14 Gyro
- 15 Density Guardlog
- 16 Focused Electric (Guardlog)
- 17 High Resolution Acoustic Televiewer (HRAT)
- 18 Heat-Pulse Flowmeter
- 19 Impeller Flowmeter
- 20 Induced Polarisation
- 21 Neutron
- 22 High Resolution Optical Televiewer (HR-OPTV)
- 23 PS Logger
- 24 Spectral Gamma
- 25 Temperature Conductivity
- 26 Full Waveform Triple Sonic
- 27 Micro-resistivity Imager
- 28 Water Quality
- 29 Borehole Television