



BOREHOLE GEOPHYSICS



Earth Data Incorporated's geophysical logging suite is geared toward environmental and water-resources investigations. Earth Data's geophysical surveys can assist with characterizing lithology and determining fracture location, borehole flow and fluid conditions.

Earth Data Incorporated's geophysical logging system has a total depth capability up to 2,500 feet. A field computer provides control of the digital system and allows maximum flexibility for various on-site digital and printed outputs.

Earth Data Incorporated provides fully-equipped vehicles to conduct geophysical surveys and borehole color TV surveys in wells, boreholes and mine openings throughout the Eastern United States. Geophysical surveys can be conducted at any time, day or night. All field personnel are trained and certified as specified in Federal Regulation 29 CFR 1910.120. Our clients include drillers, water companies, consulting firms, hydrogeologists, regulatory and research agencies, municipalities and industries.

The borehole geophysical logs currently available:

- Electric Logs:
 - Spontaneous Potential
 - Single Point Resistance
 - Multi Electric Resistivity
 - Natural Gamma
(can be completed inside casing or hollow stem augers)
- Caliper
- Bi-directional Borehole Flow
- Fluid Temperature
- Fluid Resistivity (conductivity)
- Brine Tracing
- Induction
- Heat-Pulse Flowmeter
- Cement Bond
- Acoustic Borehole Imager (ABI)
- Optical Televiwer

Log interpretation and analysis are available upon request.

Borehole Geophysics Applications										
LOGGING CAPABILITIES	LITHOLOGY	FORMATION RESISTIVITY	FRACTURES	FORMATION DIP/AZIMUTH	FLUID FLOW	FLUID QUALITY	FISHING AID	WELL CONSTRUCTION	CEMENT BONDING	CASING CONDITION
Natural Gamma	X							X		
Single-Point Resistance	X									
Spontaneous Potential	X					X				
Multi-electric Resistivity	X	X								
Fluid Temperature						X				
Fluid Conductivity					X	X				
Caliper			X					X		X
Impeller Flowmeter					X					X
Sampler (0.8 Liter Capacity)						X				
Color Video (w/Side View)	X		X				X	X		X
Heat-Pulse Flowmeter					X					X
Induction	X							X		
Cement Bond Log								X	X	
Acoustic Televiwer			X	X				X		X