



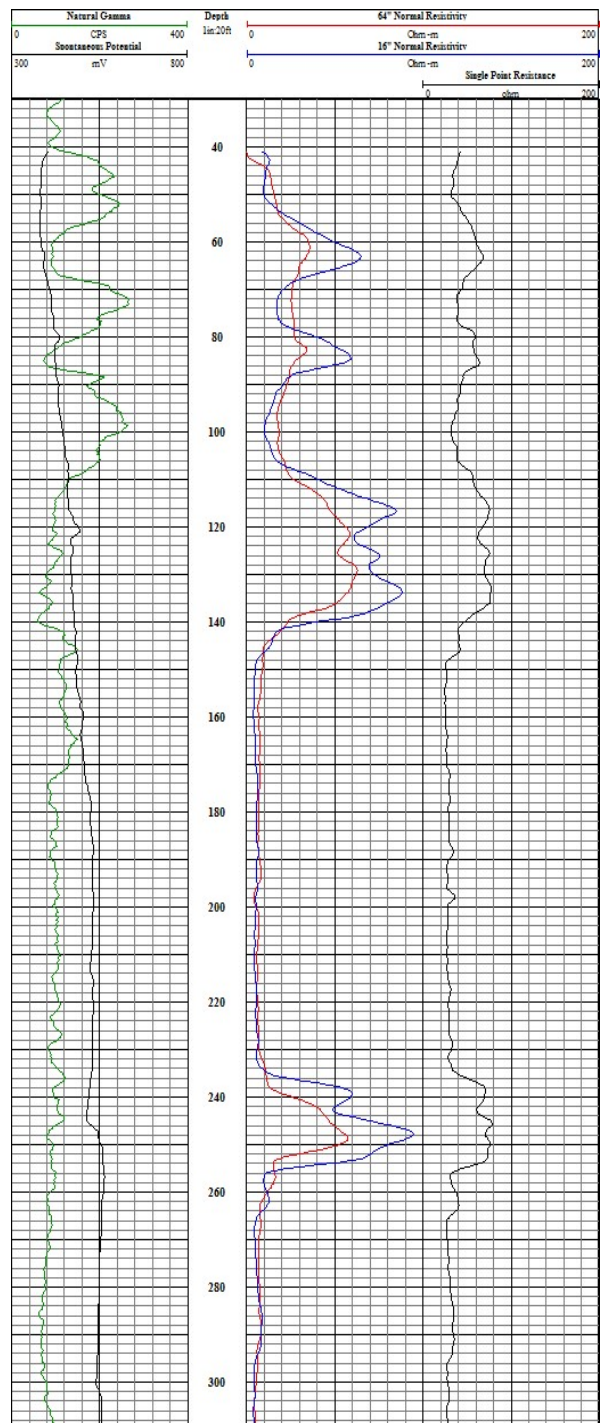
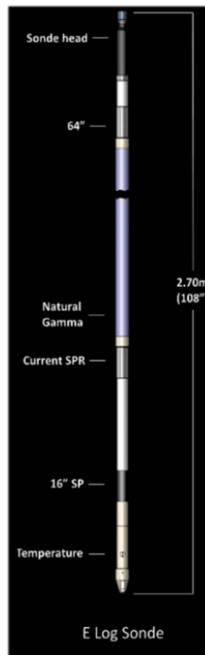
ELECTRIC LOG

Electric logs ("E-logs") offer a comprehensive view of subsurface lithologic conditions by measuring both electrical resistivity and natural geophysical responses. These measurements help characterize lithology, detect formation changes, and are widely used as a standard tool in water well evaluation.

COLOG's standard E-log probes provide 16- and 64-inch normal resistivity, spontaneous potential (SP), single-point resistance (SPR), and natural gamma-ray measurements.

When utilizing the QL-series ELOG probe, other QL-series probes can be stacked and logged simultaneously, and 8- and 32-inch normal resistivity and induced polarization (IP) measurements are made optional.

Natural Gamma-Ray, measured in counts per second, is measured simultaneously for all electric logs and helps identify shale and sandstone layers.



APPLICATIONS:

- + Water Well Evaluation
- + Aquifer Identification
- + Shale and Sandstone Bedding Lithography
- + Detection of Conductive and Chargeable Zones

PROBE SPECIFICATIONS:

Diameter:	44 mm (1.73 in.)
Length:	2.70 m (8.85 ft.)
Max Temperature Rating:	70°C (158°F)
Max Pressure Rating:	200 bar (2900 psi)
Parameters Measured:	Normal Resistivity
	Single Point Resistance (SPR)
	Spontaneous Potential (SP)
	Natural Gamma
	Induced Polarization (Optional)
Borehole Diameter Range:	51 – 1524 mm (2.0 – 60 in.)

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