



DUAL INDUCTION

The Dual Induction probe induces an electromagnetic field in the borehole and measures the response of the formations to this applied field in a long and short spacing. The change in response is output as conductivity, which is inversely proportional to formation resistivity.

The measurement principal behind the Dual Induction probe enables it to log without needing a fluid medium, allowing it to collect data in an air-filled borehole or from inside non-conductive casing (such as PVC).

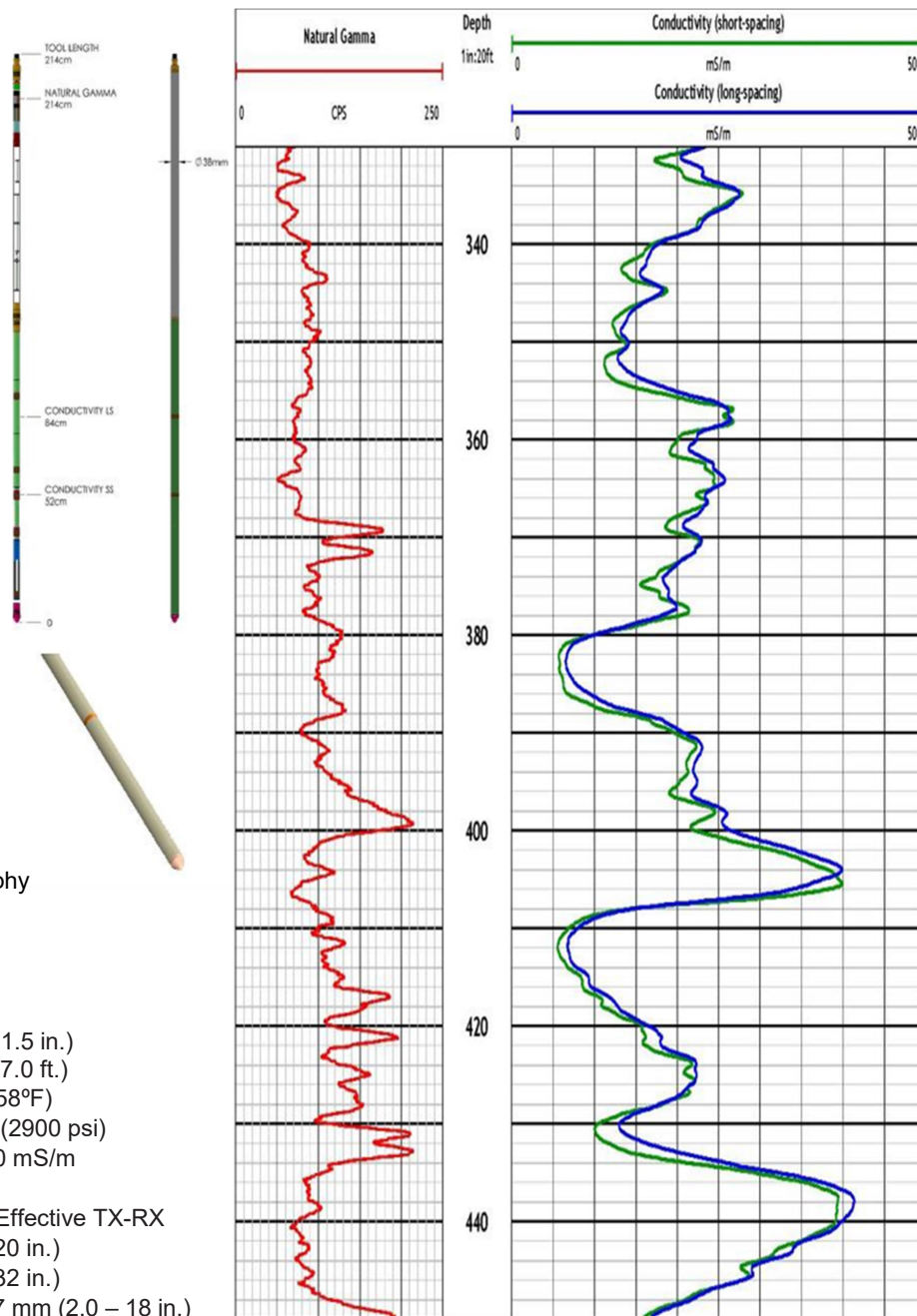
Natural gamma data is often logged simultaneously to supplement conductivity data, as it responds to relative clay content. This allows for lithologic characterization and stratigraphic correlation between wells.

APPLICATIONS:

- + Water Well Evaluation
- + Aquifer Identification
- + Perched Aquifers
- + Shale & Sandstone Bedding Lithography

PROBE SPECIFICATIONS:

Diameter:	38 mm (1.5 in.)
Length:	2.15 m (7.0 ft.)
Max Temperature Rating:	70°C (158°F)
Max Pressure Rating:	200 bar (2900 psi)
Conductivity Range:	5 – 3000 mS/m
Number of Coils:	7
Operating Frequency:	39 kHz Effective TX-RX
Short Effective Spacing:	50 cm (20 in.)
Long Effective Spacing:	81 cm (32 in.)
Borehole Diameter Range:	51 – 457 mm (2.0 – 18 in.)



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