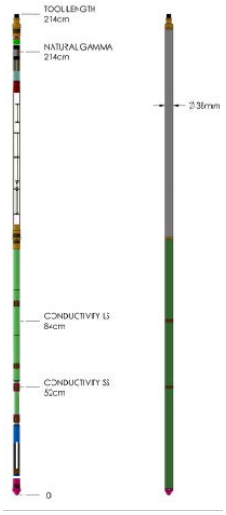
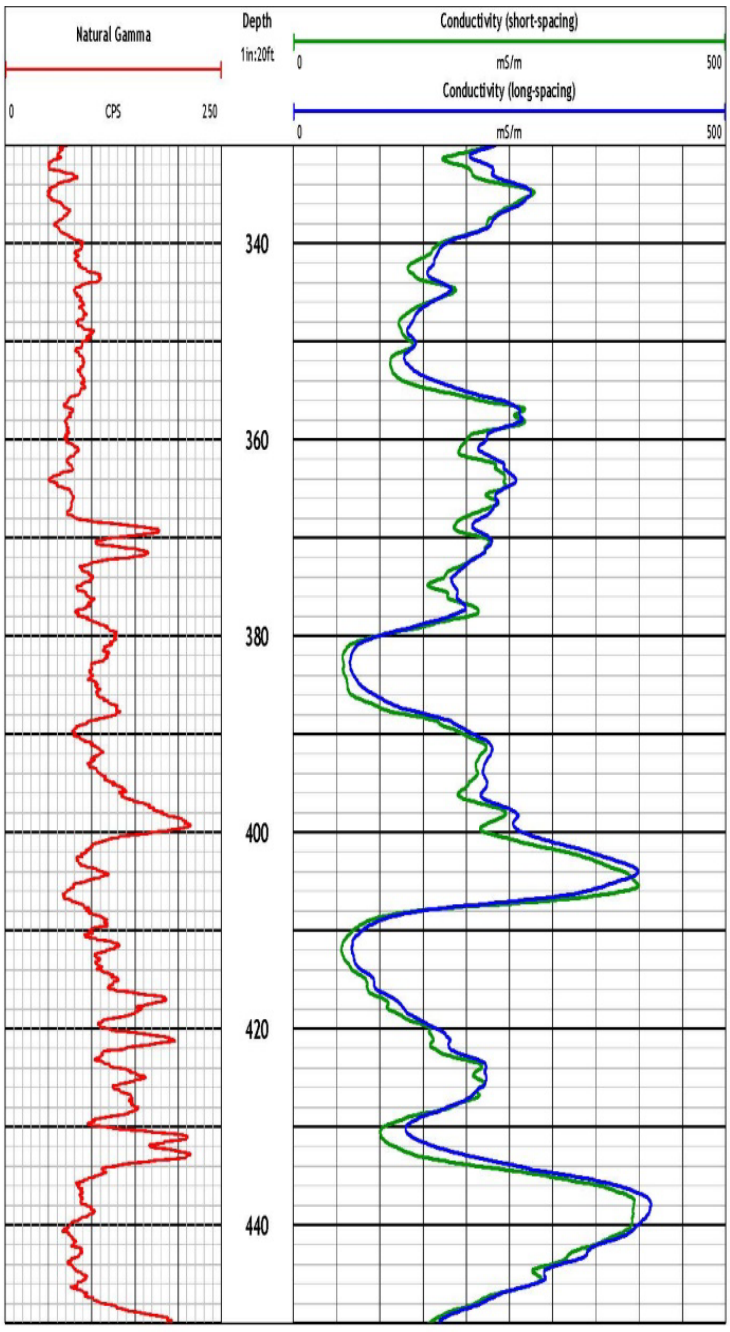
Dual Induction

Dual Induction tools induce an electromagnetic field in the borehole to measures the response of the formations to this applied field in a long and short spacing. The change in response in output as conductivity, which can be inversed as a resistivity measurement.

The measurement principal behind the dual induction probe enables it to log without needing to travel though a fluid medium, allowing it to collect data in an air filled hole or from behind non-conductive casing.

Natural Gamma-Ray is often included with Dual Induction tools as it helps determine coarse or fine layers.





APPLICATIONS:

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

PROBE SPECIFICATIONS:

Diameter:	1.5 mm (1.5 in.)
Length:	2.15 m (7.05 ft.)
Min Hole Size:	51 mm (2 in.)
Max Hole Size:	457 mm (18 in.)
Pressure Rating:	20 MPa (2900 psi)
Long effective spacing:	810 mm (31.9 in)
Short effective spacing:	510 mm (20 in)
Temperature Rating:	70˚C (158˚F)
Parameters Measured:	mS, cps, Ω-m (with inversion)