BOREHOLE WIRELINE
"For Logging & Interpretation Service"

Dual Laterolog & SP.

Measurement Principle

The dual laterolog (focused resistivity) probe forces electrical current to flow parallel into the formation resulting in the measurement being within a cylinder around the probe, whose height is the length of the guard electrodes. By keeping the potential of the guard electrode the same as the measure electrode, the size and shape of the measure cylinder will remain the same regardless of inhomogenetity.

The electrical current sheet is thin enough and deeply penetrating enough that borehole effects are negligible and because focused probes are designed for a wide range of linear response, they provide excellent quantitative formation resistivity, Rt.

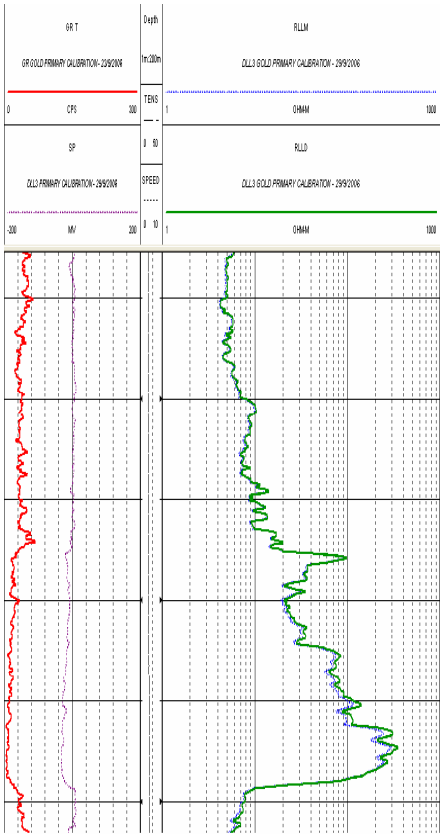
Operation

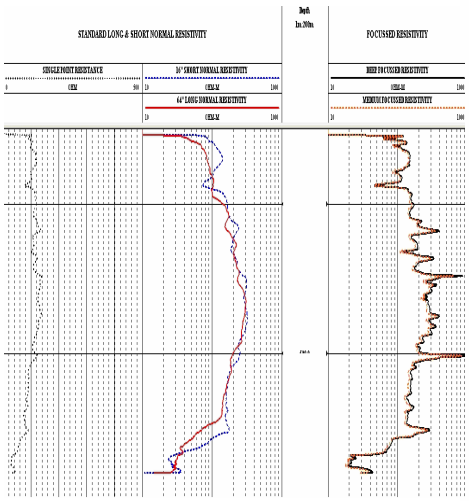
The probe provides a medium and deep focused resistivity curve with greater vertical resolution compared to traditional normal resistivity probes. Performance is also better in higher conductivity mud and higher resistivity formations.

Restricted to openhole, fluid filled conditions.

The probe can be used on its own or within a combination “stack” of other tools.

An SP log is recorded with the probe.





PHYSICAL SPECIFICATIONS	
WEIGHT	8.0 kg
LENGTH	2.37m
DIAMETER	38mm
RESISTIVITY RANGE	1 to 10,000 ohm-m
SP RANGE	-2.5V to +2.5V
MAX. PRESSURE	20 MPa
MAX. TEMP.	80°C

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