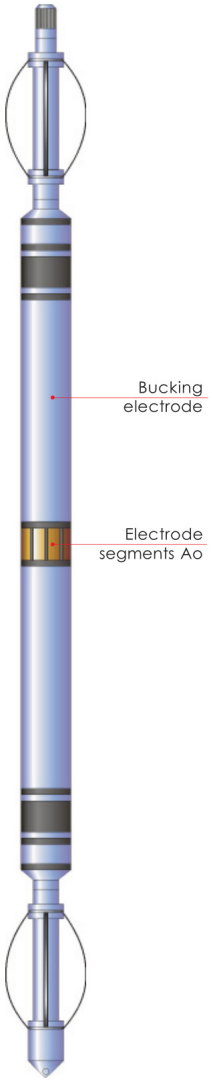
Open hole

AESB-73 Electrical scanner



is designed to determine rock electrical resistivity azimuthal distribution within a borehole with the scanning focused lateral logging sonde array.

PROBLEMS TO BE SOLVED:

Open well bore:

- geological formation azimuthal heterogeneities estimation;
- determination of layer bedding elements (dipmeter logging);
- reservoir quality discrimination and estimation of their anisotropy by electric properties;
- identification of vertical fracturing.
- strata inclination determination

Cased well bore:

- Control of string technical condition;
- Detection of perforation holes, including slatted and drilling perforation.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Central electrode azimuth segments number	16 / 8
Investigation radial depth in open well bore, m	from 0.5
Vertical resolution, mm	15 / 30
Azimuthal resolution, degree	22.5 /45
Measurements range: - resistivity, Ohm•m - azimuth, degree - zenith, degree	 0.05 ÷ 10 00 0 ÷ 360 0 ÷ 180
Bed dip error: - dip angle 5-10 degree, degree - dip angle 10-50 degree , %	 up to ±2 up to ±10
Power consumption, W	up to 25
Максимальная температура, ^{0}C	120
Maximum hydrostatic pressure, MPa	60
Downhole dimensions, mm: - diameter - length (including centralizers)	 73 4700
Weight, kg	up to 46

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