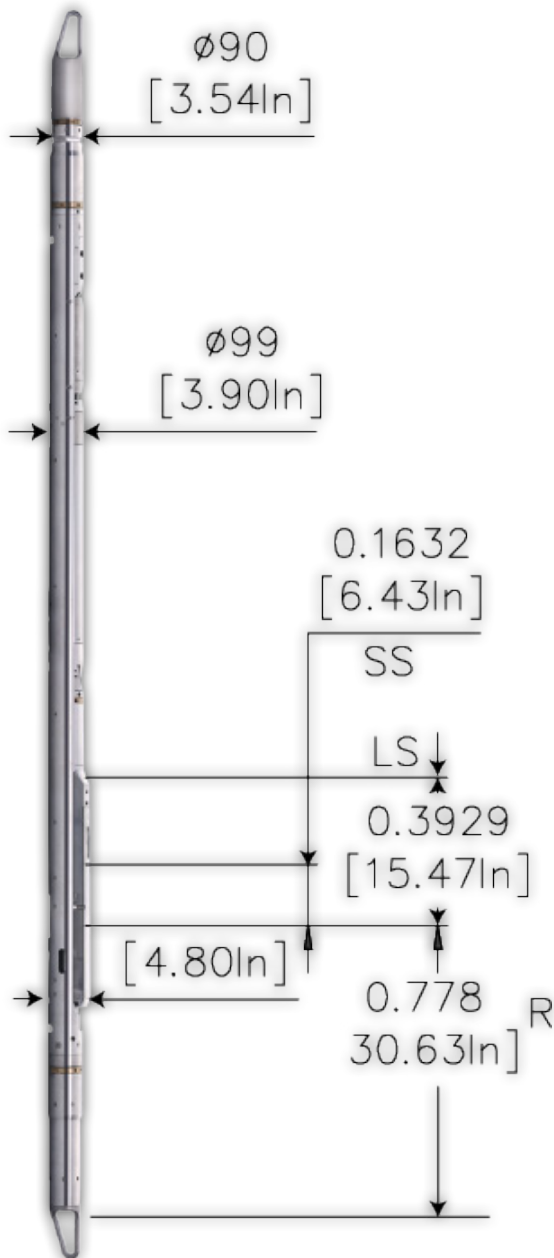


Litho Density Logging Tool (LDLT)

GOWell's Litho Density Tool is part of the Gallop Suite, and provides accurate bulk density and photoelectric effect (pe) measurements for formation porosity evaluation, and lithology identification.



LDLT

DESCRIPTION

Lithology tools are extremely important as they provide a clear picture of the feasibility of a particular well, which allows the user to adjust and maximize production accordingly. Dual detectors allow mud cake corrections to be applied, and a caliper measurement is also provided.

APPLICATIONS

- Measures formation porosity
- Measures lithology of formation (pe)
- Generates synthetic seismic traces
- Gas detection and shale identification combined with Neutron log

FEATURES

- Combinable with other Gallop tools
- Single axis caliper measurement provided
- Measurements provided in a wide range of borehole sizes
- Utilizes a dual spectrum detector to eliminate mud cake in order to obtain accurate formation density



SPECIFICATIONS

LDLT - Litho Density Logging Tool	
General Specs	
Maximum Pressure Maximum Temperature Maximum Hole Size Minimum Hole Size Diameter Length Weight Max. Logging Speed	20,305 PSI (140 Mpa) 350 °F (175°C) 21 in. (533.4 mm) 6 in. (152.4 mm) 4.8 in. (121.9 mm) 10.14 ft. (3.09 m) 110 lbs (50 kg) 32 ft/min (9.75m/min)
Borehole Conditions	
Borehole Fluids Tool Position	Any Eccentralized
Hardware Features	
Voltage Current Source Type Sampling Rate	220 Vac, 50 Hz 120 mA 1.5 CurieCs 137 Gamma Source 10, 20, 40 ponts/m selectable
Measurement	
Principle Minimum Maximum Vertical Resolution Depth of Investigation Accuracy Primary Curves	Nuclear ROHB: 1.3g/cm ³ - Pe: 1.3 B/e ROHB: 3.0g/cm ³ - Pe: 6.0 B/e 10 in. (25.4 cm) 3 in. (7.6 cm) ROHB: ± 0.025g/cm ³ - Pe: ± 0.2 B.e - CAL: ± 0.3 in. RHOB, PE, CAL

*Specifications are subject to change as tools are constantly being improved