

# Litho Neutron Density Caliper (LNDC)

## FEATURES

- ✓ 4 - 3/4" Collar Size
- ✓ 13 Foot Length
- ✓ Bulk Density
- ✓ Photoelectric Factor (PEF)
- ✓ 16 Sector Azimuthal Density
- ✓ Apparent and Corrected Neutron Porosity



### INCREASED SENSITIVITY

He-3 thermal neutron detectors located in a pocket on the outside of the collar – close to the formation for improved sensitivity.



## REAL TIME MEASUREMENTS

Our LNDC (Litho Neutron Density Caliper) Tool offers measurements of formation density, porosity, borehole caliper, and formation imaging. Determine lithology, reservoir properties, and wellbore stability while drilling. When used with other formation evaluation measurements, such as gamma ray and resistivity, as a "triple combo" users can analyze the geological structure of the asset. Evaluate oil/water saturation and identify type of hydrocarbons, reserves in place, and total recoverable hydrocarbons.

# SPECIFICATIONS

## Azimuthal Litho-Density

<b>Range</b>	1.5 – 3.1 g/cc; Pe range: 1 – 7 B/e
<b>Accuracy</b>	+/- 0.015 g/cc; +/- 0.25 B/e
<b>Repeatability</b>	@ 180 ft/hr: +/- 0.01 g/cc @ 2.2 g/cc; +/- 0.25 B/e @ 3 B/e

## Neutron Porosity

<b>Range</b>	-5 – 100 p.u.
<b>Accuracy</b>	+/- 0.5 p.u. under 10 p.u.; +/- 5% from 10 to 40 p.u.
<b>Repeatability</b>	@ 180 ft/hr: +/- 1 p.u. @ 20 p.u.

## Caliper/Standoff

<b>Range</b>	0 – 2" standoff
<b>Accuracy</b>	+/- 0.1"



# CONTACT US