

Open-Hole Formation Logging (OHFL)

Collective term for [reservoir data logging](#) measurements performed in [open-hole wells](#):

Nick	Tool name	Log Name(s)	Measured physical property	Applications
NMR	Nuclear Magnetic Logging	TAU1, TAU2	Nuclear magnetic moment relaxation time	Total and effective formation porosity and saturation
SONIC	Sonic Logging	VS, VP, DS, DT	Velocity of acoustic waves	Formation lithology, porosity and saturation
LDT	Litho-Density Logging	RHOB, PEF	Gamma ray decrement	Formation lithology, porosity
CNL	Compensated Neutron Logging	NPHI	Thermal neutron scatter decrement	Formation lithology, porosity
GR	Gamma Ray Logging	GR	Natural gamma ray emission	Formation shaliness and formation boundaries
RES	Resistivity Logging	IDL, MDL, MSFL, LDL, MDL	Formation electrical resistivity	Formation porosity and saturation
SP	Spontaneous Potential	SP	Formation electrical potential	Formation shaliness and formation boundaries
CAL	Caliper Logging	DCAL	Wellbore diameter	Formation lithology and formation boundaries
WFT	Wireline Formation Testing	P	Formation pressure	Formation pressure profiling

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Fig.1. Example of basic set of [Open Hole Reservoir Data Logs](#)

See Also

[Petroleum Industry](#) / [Upstream](#) / [Data Acquisition](#) / [Well & Reservoir Surveillance](#) / [Well Logging](#)

[[Petrophysics \(PP\)](#) / [Reservoir Data Logs](#)][[Well & Log Analysis](#)]

Reference