Logging Tools:
Comprehensive Acronym List

OCEAN
DRILLING
PROGRAM

Table of Contents

Acronyms Used For Wireline Schlumberger Tools

ACT	Aluminum Clay Tool
AMS	Auxiliary Measurement Sonde
APS	Accelerator Porosity Sonde
ARI	Azimuthal Resistivity Imager
ASI	Array Sonic Imager
BGKT	Vertical Seismic Profile Tool
BHC	Borehole Compensated Sonic Tool
BHTV	Borehole Televiewer
CBL	Casing Bond Log
CNT	Compensated Neutron Tool
DIT	Dual Induction Tool
DLL	Dual Laterolog
DSI	Dipole Sonic Imager
FMS	Formation MicroScanner
GHMT	Geologic High Resolution Magnetic Tool
GPIT	General Purpose Inclinometer Tool
GR	Natural Gamma Ray
GST	Induced Gamma Ray Spectrometry Tool
HLDS	Hostile Environment Lithodensity Sonde
HLDT	Hostile Environment Lithodensity Tool
HNGS	Hostile Environment Gamma Ray Sonde
LDT	Lithodensity Tool
LSS	Long Spacing Sonic Tool
MCD	Mechanical Caliper Device
NGT	Natural Gamma Ray Spectrometry Tool
NMRT	Nuclear Magnetic Resonance Tool
QSST	Inline Checkshot Tool
SDT	Sonic Digital Tool
SGT	Scintillation Gamma Ray Tool
SUMT	Susceptibility Magnetic Tool
UBI	Ultrasonic Borehole Imager
VSI	Vertical Seismic Imager
WST	Well Seismic Tool
WST-3	3-Component Well Seismic Tool

Acronyms Used For LWD Schlumberger Tools

ADN	Azimuthal Density-Neutron
CDN	Compensated Density-Neutron
CDR	Compensated Dual Resistivity
ISONIC	Ideal Sonic-While-Drilling
NMR	Nuclear Magnetic Resonance
RAB	Resistivity-at-Bit

Acronyms Used For Non-Schlumberger Specialty Tools

CBTT	Core Barrel Temperature Tool
HTGC	High-Temperature High-Pressure Telemetry Gamma-Ray Cartridge
MCS	Multichannel Sonic Tool
MGT	Multi-Sensor Gamma Tool
SST	Shear Sonic Tool
TAP	Temperature-Acceleration-Pressure Tool
TLT	Temperature Logging Tool
UHT-MSM	Ultra-High Temperature Multisensor Memory Tool

Acronyms And Units Used For
Wireline Schlumberger Tools

AFEC	APS Far Detector Counts (cps)
ANEC	APS Near Detector Counts (cps)
AX	Acceleration X Axis (ft/s^2)
AY	Acceleration Y Axis (ft/s^2)
AZ	Acceleration Z Axis (ft/s^2)
AZIM	Constant Azimuth for Deviation Correction (deg)
APLC	APS Near/Array Limestone Porosity Corrected (%)
C1	FMS Caliper 1 (in)
C2	FMS Caliper 2 (in)
CALI	Caliper (in)
CFEC	Corrected Far Epithermal Counts (cps)
CFTC	Corrected Far Thermal Counts (cps)
CGR	Computed (Th+K) Gamma Ray (API units)
CHR2	Peak Coherence, Receiver Array, Upper Dipole
CHRP	Compressional Peak Coherence, Receiver Array, P&S
CHRS	Shear Peak Coherence, Receiver Array, P&S
CHTP	Compressional Peak Coherence, Transmitter Array, P&S
CHTS	Shear Peak Coherence, Transmitter Array, P&S
CNEC	Corrected Near Epithermal Counts (cps)
CNTC	Corrected Near Thermal Counts (cps)
CS	Cable Speed (m/hr)
CVEL	Compressional Velocity (km/s)
DATN	Discriminated Attenuation (db/m)
DBI	Discriminated Bond Index
DEVI	Hole Deviation (degrees)
DF	Drilling Force (lbf)
DIFF	Difference Between MEAN and MEDIAN in Delta-Time Proc. (microsec/ft)
DRH	HLDS Bulk Density Correction (g/cm^3)
DRHO	Bulk Density Correction (g/cm^3)
DT	Short Spacing Delta-Time (10'-8' spacing; microsec/ft)
DT1	Delta-Time Shear, Lower Dipole (microsec/ft)
DT2	Delta-Time Shear, Upper Dipole (microsec/ft)
DT4P	Delta-Time Compressional, P&S (microsec/ft)
DT4S	Delta-Time Shear, P&S (microsec/ft))
DT1R	Delta-Time Shear, Receiver Array, Lower Dipole (microsec/ft)
DT2R	Delta-Time Shear, Receiver Array, Upper Dipole (microsec/ft)
DT1T	Delta-Time Shear, Transmitter Array, Lower Dipole (microsec/ft)

DT2T	Delta-Time Shear, Transmitter Array, Upper Dipole (microsec/ft)
DTCO	Delta-Time Compressional (microsec/ft)
DTL	Long Spacing Delta-Time (12'-10' spacing; microsec/ft)
DTLF	Long Spacing Delta-Time (12'-10' spacing; microsec/ft)
DTLN	Short Spacing Delta-Time (10'-8' spacing; microsec/ft)
DTRP	Delta-Time Compressional, Receiver Array, P&S (microsec/ft)
DTRS	Delta-Time Shear, Receiver Array, P&S (microsec/ft)
DTSM	Delta-Time Shear (microsec/ft)
DTST	Delta-Time Stoneley (microsec/ft)
DTTP	Delta-Time Compressional, Transmitter Array, P&S (microsec/ft)
DTTS	Delta-Time Shear, Transmitter Array, P&S (microsec/ft)
ECGR	Environmentally Corrected Gamma Ray (API units)
EHGR	Environmentally Corrected High Resolution Gamma Ray (API units)
ENPH	Epithermal Neutron Porosity (%)
ENRA	Epithermal Neutron Ratio
ETIM	Elapsed Time (sec)
FINC	Magnetic Field Inclination (degrees)
FNOR	Magnetic Field Total Moment (oersted)
FX	Magnetic Field on X Axis (oersted)
FY	Magnetic Field on Y Axis (oersted)
FZ	Magnetic Field on Z Axis (oersted)
GR	Natural Gamma Ray (API units)
HALC	High Res. Near/Array Limestone Porosity Corrected (%)
HAZI	Hole Azimuth (degrees)
HBDC	High Res. Bulk Density Correction (g/cm^3)
HBHK	HNGS Borehole Potassium (%)
HCFT	High Resolution Corrected Far Thermal Counts (cps)
HCGR	HNGS Computed Gamma Ray (API units)
HCNT	High Resolution Corrected Near Thermal Counts (cps)
HDEB	High Res. Enhanced Bulk Density (g/cm^3)
HDRH	High Resolution Density Correction (g/cm^3)
HFEC	High Res. Far Detector Counts (cps)
HFK	HNGS Formation Potassium (%)
HFLC	High Res. Near/Far Limestone Porosity Corrected (%)
HEGR	Environmentally Corrected High Resolution Natural Gamma Ray (API units)
HGR	High Resolution Natural Gamma Ray (API units)
HLCA	High Res. Caliper (in)
HLEF	High Res. Long-spaced Photoelectric Effect (barns/e$^-$)
HNEC	High Res. Near Detector Counts (cps)
HNPO	High Resolution Enhanced Thermal Nutron Porosity (%)
HNRH	High Resolution Bulk Density (g/cm^3)
HPEF	High Resolution Photoelectric Effect (barns/e$^-$)

HRHO	High Resolution Bulk Density (g/cm^3)
HROM	High Res. Corrected Bulk Density (g/cm^3)
HSGR	HNGS Standard (total) Gamma Ray (API units)
HSIG	High Res. Formation Capture Cross Section (capture units)
HSTO	High Res. Computed Standoff (in)
HTHO	HNGS Thorium (ppm)
HTNP	High Resolution Thermal Neutron Porosity (%)
HURA	HNGS Uranium (ppm)
IDPH	Phasor Deep Induction (ohmm)
IIR	Iron Indicator Ratio [CFE/(CCA+CSI)]
ILD	Deep Resistivity (ohmm)
ILM	Medium Resistivity (ohmm)
IMPH	Phasor Medium Induction (ohmm)
ITT	Integrated Transit Time (s)
LCAL	HLDS Caliper (in)
LIR	Lithology Indicator Ratio [CSI/(CCA+CSI)]
LLD	Laterolog Deep (ohmm)
LLS	Laterolog Shallow (ohmm)
LTT1	Transit Time (10'; microsec)
LTT2	Transit Time (8'; microsec)
LTT3	Transit Time (12'; microsec)
LTT4	Transit Time (10'; microsec)
MAGB	Earth's Magnetic Field (nTes)
MAGC	Earth Conductivity (ppm)
MAGS	Magnetic Susceptibility (ppm)
MEDIAN	Median Delta-T Recomputed (microsec/ft)
MEAN	Mean Delta-T Recomputed (microsec/ft)
NATN	Near Pseudo-Attenuation (db/m)
NMST	Magnetometer Temperature (degC)
NMSV	Magnetometer Signal Level (V)
NPHI	Neutron Porosity (%)
NRHB	LDS Bulk Density (g/cm^3)
P1AZ	Pad 1 Azimuth (degrees)
PEF	Photoelectric Effect (barns/e$^-$)
PEFL	LDS Long-spaced Photoelectric Effect (barns/e$^-$)
PIR	Porosity Indicator Ratio [CHY/(CCA+CSI)]
POTA	Potassium (%)
RB	Pad 1 Relative Bearing (degrees)
RHL	LDS Long-spaced Bulk Density (g/cm^3)
RHOB	Bulk Density (g/cm^3)
RHOM	HLDS Corrected Bulk Density (g/cm^3)
RMGS	Low Resolution Susceptibility (ppm)

SFLU	Spherically Focused Log (ohmm)
SGR	Total Gamma Ray (API units)
SIGF	APS Formation Capture Cross Section (capture units)
SP	Spontaneous Potential (mV)
STOF	APS Computed Standoff (in)
SURT	Receiver Coil Temperature (degC)
SVEL	Shear Velocity (km/s)
SXRT	NMRS differential Temperature (degC)
TENS	Tension (lb)
THOR	Thorium (ppm)
TNRA	Thermal Neutron Ratio
TT1	Transit Time (10' spacing; microsec)
TT2	Transit Time (8' spacing; microsec)
TT3	Transit Time (12' spacing; microsec)
TT4	Transit Time (10' spacing; microsec)
URAN	Uranium (ppm)
V4P	Compressional Velocity, from DT4P (P&S; km/s)
V4S	Shear Velocity, from DT4S (P&S; km/s)
VELP	Compressional Velocity (processed from waveforms; km/s)
VELS	Shear Velocity (processed from waveforms; km/s)
VP1	Compressional Velocity, from DT, DTLN, or MEAN (km/s)
VP2	Compressional Velocity, from DTL, DTLF, or MEDIAN (km/s)
VCO	Compressional Velocity, from DTCO (km/s)
VS	Shear Velocity, from DTSM (km/s)
VST	Stonely Velocity, from DTST km/s)
VS1	Shear Velocity, from DT1 (Lower Dipole; km/s)
VS2	Shear Velocity, from DT2 (Upper Dipole; km/s)
VRP	Compressional Velocity, from DTRP (Receiver Array, P&S; km/s)
VRS	Shear Velocity, from DTRS (Receiver Array, P&S; km/s)
VS1R	Shear Velocity, from DT1R (Receiver Array, Lower Dipole; km/s)
VS2R	Shear Velocity, from DT2R (Receiver Array, Upper Dipole; km/s)
VS1T	Shear Velocity, from DT1T (Transmitter Array, Lower Dipole; km/s)
VS2T	Shear Velocity, from DT2T (Transmitter Array, Upper Dipole; km/s)
VTP	Compressional Velocity, from DTTP (Transmitter Array, P&S; km/s)
VTS	Shear Velocity, from DTTS (Transmitter Array, P&S; km/s)
#POINTS	Number of Transmitter - Receiver Pairs Used in Sonic Processing
W1NG	NGT Window 1 counts (cps)
W2NG	NGT Window 2 counts (cps)
W3NG	NGT Window 3 counts (cps)
W4NG	NGT Window 4 counts (cps)
W5NG	NGT Window 5 counts (cps)

Acronyms And Units Used For
LWD Schlumberger Tools

AT1F	Attenuation Resistivity (1 ft resolution; ohmm)
AT2F	Attenuation Resistivity (2 ft resolution; ohmm)
AT3F	Attenuation Resistivity (3 ft resolution; ohmm)
AT4F	Attenuation Resistivity (4 ft resolution; ohmm)
AT5F	Attenuation Resistivity (5 ft resolution; ohmm)
ATR	Attenuation Resistivity (deep; ohmm)
BFV	Bound Fluid Volume (%)
B1TM	RAB Shallow Resistivity Time after Bit (s)
B2TM	RAB Medium Resistivity Time after Bit (s)
B3TM	RAB Deep Resistivity Time after Bit (s)
BDAV	Deep Resistivity Average (ohmm)
BMAV	Medium Resistivity Average (ohmm)
BSAV	Shallow Resistivity Average (ohmm)
CGR	Computed (Th+K) Gamma Ray (API units)
DCAL	Differential Caliper (in)
DROR	Correction for CDN rotational density (g/cm^3).
DRRT	Correction for ADN rotational density (g/cm^3).
DTAB	AND or CDN Density Time after Bit (hr)
FFV	Free Fluid Volume (%)
GR	Gamma Ray (API Units)
GR7	Sum Gamma Ray Windows GRW7+GRW8+GRW9 – Equivalent to Wireline NGT window 5 (cps)
GRW3	Gamma Ray Window 3 counts (cps) – Equivalent to Wireline NGT window 1
GRW4	Gamma Ray Window 4 counts (cps) – Equivalent to Wireline NGT window 2
GRW5	Gamma Ray Window 5 counts (cps) – Equivalent to Wireline NGT window 3
GRW6	Gamma Ray Window 6 counts (cps) – Equivalent to Wireline NGT window 4
GRW7	Gamma Ray Window 7 counts (cps)
GRW8	Gamma Ray Window 8 counts (cps)
GRW9	Gamma Ray Window 9 counts (cps)
GTIM	CDR Gamma Ray Time after Bit (s)
GRTK	RAB Gamma Ray Time after Bit (s)
HEF1	Far He Bank 1 counts (cps)
HEF2	Far He Bank 2 counts (cps)
HEF3	Far He Bank 3 counts (cps)
HEF4	Far He Bank 4 counts (cps)
HEN1	Near He Bank 1 counts (cps)
HEN2	Near He Bank 2 counts (cps)
HEN3	Near He Bank 3 counts (cps)

HEN4	Near He Bank 4 counts (cps)
MRP	Magnetic Resonance Porosity
NTAB	ADN or CDN Neutron Time after Bit (hr)
PEF	Photoelectric Effect (barns/e$^-$)
POTA	Potassium (%) ROPE Rate of Penetration (ft/hr)
PS1F	Phase Shift Resistivity (1 ft resolution; ohmm)
PS2F	Phase Shift Resistivity (2 ft resolution; ohmm)
PS3F	Phase Shift Resistivity (3 ft resolution; ohmm)
PS4F	Phase Shift Resistivity (4 ft resolution; ohmm)
PS5F	Phase Shift Resistivity (5 ft resolution; ohmm)
PSR	Phase Shift Resistivity (shallow; ohmm)
RBIT	Bit Resistivity (ohmm)
RBTM	RAB Resistivity Time After Bit (s)
RING	Ring Resistivity (ohmm)
ROMT	Max. Density Total (g/cm^3) from rotational processing
ROP	Rate of Penetration (m/hr)
ROP1	Rate of Penetration, averaged over last 1 ft (m/hr)
ROP5	Rate of Penetration, averaged over last 5 ft (m/hr)
ROPE	Rate of Penetration, averaged over last 5 ft (m/hr)
RPM	RAB Tool Rotation Speed (rpm)
RTIM	CDR or RAB Resistivity Time after Bit (hr)
SGR	Total Gamma Ray (API units)
T2 T2	Distribution (%)
T2LM	T2 Logarithmic Mean (ms)
THOR	Thorium (ppm)
TNPH	Thermal Neutron Porosity (%)
TNRA	Thermal Ratio
URAN	Uranium (ppm)

Additional Acronyms And Units
(Processed Logs From Geochemical Tool String)

AL2O3	Computed Al_2O_3 (dry weight %)
AL2O3MIN	Computed Al_2O_3 Standard Deviation (dry weight %)
AL2O3MAX	Computed Al_2O_3 Standard Deviation (dry weight %)
CAO	Computed CaO (dry weight %)
CAOMIN	Computed CaO Standard Deviation (dry weight %)
CAOMAX	Computed CaO Standard Deviation (dry weight %)
CACO3	Computed $CaCO_3$ (dry weight %)
CACO3MIN	Computed $CaCO_3$ Standard Deviation (dry weight %)
CACO3MAX	Computed $CaCO_3$ Standard Deviation (dry weight %)
CCA	Calcium Yield (decimal fraction)
CCHL	Chlorine Yield (decimal fraction)
CFE	Iron Yield (decimal fraction)
CGD	Gadolinium Yield (decimal fraction)
CHY	Hydrogen Yield (decimal fraction)
CK	Potassium Yield (decimal fraction)
CSI	Silicon Yield (decimal fraction)
CSIG	Capture Cross Section (capture units)
CSUL	Sulfur Yield (decimal fraction)
CTB	Background Yield (decimal fraction)
CTI	Titanium Yield (decimal fraction)
FACT	Quality Control Curve
FEO	Computed FeO (dry weight %)
FEOMIN	Computed FeO Standard Deviation (dry weight %)
FEOMAX	Computed FeO Standard Deviation (dry weight %)
FEO*	Computed FeO* (dry weight %)
FEO*MIN	Computed FeO* Standard Deviation (dry weight %)
FEO*MAX	Computed FeO* Standard Deviation (dry weight %)
FE2O3	Computed Fe_2O_3 (dry weight %)
FE2O3MIN	Computed Fe_2O_3 Standard Deviation (dry weight %)
FE2O3MAX	Computed Fe_2O_3 Standard Deviation (dry weight %)
GD	Computed Gadolinium (dry weight %)
GDMIN	Computed Gadolinium Standard Deviation (dry weight %)
GDMAX	Computed Gadolinium Standard Deviation (dry weight %)
K2O	Computed K_2O (dry weight %)
K2OMIN	Computed K_2O Standard Deviation (dry weight %)
K2OMAX	Computed K_2O Standard Deviation (dry weight %)
MGO	Computed MgO (dry weight %)
MGOMIN	Computed MgO Standard Deviation (dry weight %)

MGOMAX	Computed MgO Standard Deviation (dry weight %)
S	Computed Sulfur (dry weight %)
SMIN	Computed Sulfur Standard Deviation (dry weight %)
SMAX	Computed Sulfur Standard Deviation (dry weight %)
SIO2	Computed SiO_2 (dry weight %)
SIO2MIN	Computed SiO_2 Standard Deviation (dry weight %)
SIO2MAX	Computed SiO_2 Standard Deviation (dry weight %)
THORMIN	Computed Thorium Standard Deviation (ppm)
THORMAX	Computed Thorium Standard Deviation (ppm)
TIO2	Computed TiO_2 (dry weight %)
TIO2MIN	Computed TiO_2 Standard Deviation (dry weight %)
TIO2MAX	Computed TiO_2 Standard Deviation (dry weight %)
URANMIN	Computed Uranium Standard Deviation (ppm)
URANMAX	Computed Uranium Standard Deviation (ppm)
VARCA	Variable $CaCO_3$/CaO calcium carbonate/oxide factor