Rig: **VTL**

# VT-LDS 1-10-18

Date: **07-JAN-18**

**Well Information**

Well: VT-LDS 1-10-18
API: 50-105-23XXX-00-00
Field: Vertical Test
County: Lincoln
State: Montana
Nation: United States
Surface Location: Sec 10-T30N-R26W
Elevation: 3,000 ft

**Logging Engineer**

Name: Jeff Hall
Company: Vertical Test

**Logging Parameters**

| | Surface | Downhole | Units |
|---|---|---|---|
| Hole Size | | 8.5 | in |
| Casing Size | | 7 | in |
| Casing Depth | | 10,000 | ft |
| Mud Type | WBM | WBM | |
| Mud Density | 8.4 | 8.4 | ppg |
| Mud Viscosity | 28 | 28 | sec |
| Fluid Loss | | 8.0 | cc |
| Source of Sample | Pits | | |
| Rm @ Meas. Temp | 0.08 @ 70 | | ohmm |
| Rmf @ Meas. Temp | 0.06 @ 70 | | ohmm |
| Rmc @ Meas. Temp | 0.10 @ 70 | | ohmm |
| Source of Rmf & Rmc | Calculated | | |
| Rm @ BHT | 0.05 @ 180 | | ohmm |

**Logging Tools**

| Run | Top | Bottom | Tool Type | Serial Number | Length | Weight | Diameter |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 10,000 | Gamma Ray | 1234 | 10.00 | 100.00 | 3.625 |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |

**Comments**

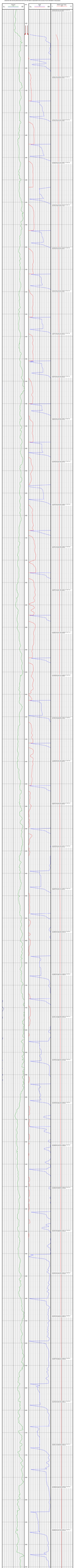
Gamma Ray
0 GAPI 150

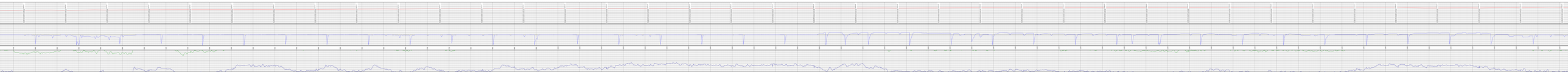
Resistivity
0.2 ohmm 2000

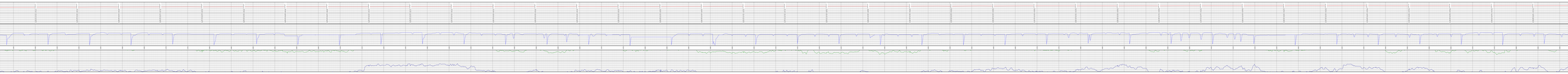
Compensated Neutron
45 % -15

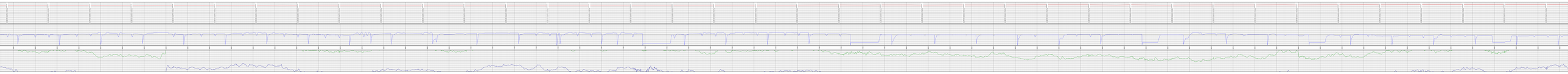
Density
1.95 g/cm³ 2.95

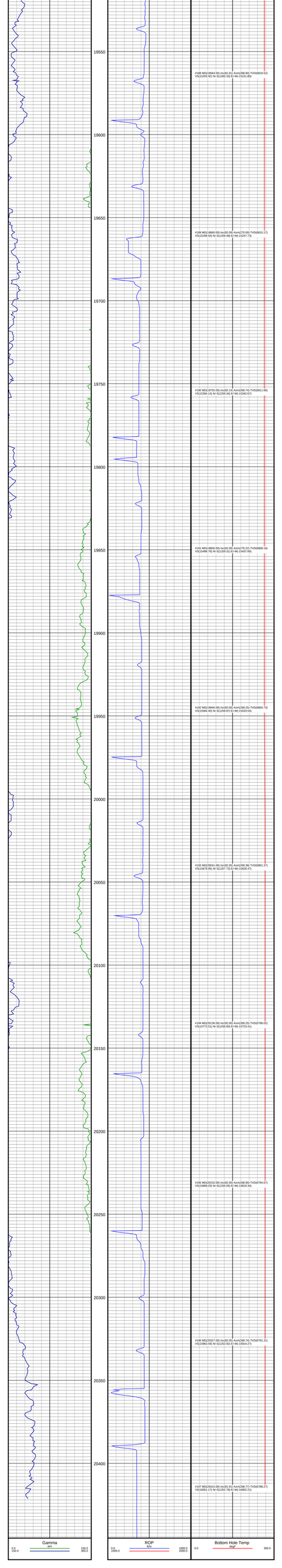
Caliper
6 in 16










19550
19600
19650
19700
19750
19800
19850
19900
19950
20000
20050
20100
20150
20200
20250
20300
20350
20400
#188 MD(19564.00) Inc(91.91) Azm(268.90) TVD(8816.52) VS(15203.92) N/-S(1260.23) E/-W(-15151.85)
#189 MD(19660.00) Inc(92.09) Azm(270.00) TVD(8815.17) VS(15299.90) N/-S(1259.48) E/-W(-15247.73)
#190 MD(19755.00) Inc(92.14) Azm(269.74) TVD(8811.66) VS(15394.14) N/-S(1259.34) E/-W(-15342.67)
#191 MD(19850.00) Inc(92.09) Azm(270.22) TVD(8808.16) VS(15488.78) N/-S(1259.31) E/-W(-15437.60)
#192 MD(19946.00) Inc(92.05) Azm(269.25) TVD(8804.73) VS(15584.40) N/-S(1258.87) E/-W(-15533.54)
#193 MD(20041.00) Inc(92.05) Azm(269.38) TVD(8801.37) VS(15678.95) N/-S(1257.73) E/-W(-15628.47)
#194 MD(20136.00) Inc(92.00) Azm(269.25) TVD(8798.02) VS(15772.51) N/-S(1256.60) E/-W(-15723.41)
#195 MD(20232.00) Inc(92.00) Azm(268.90) TVD(8794.67) VS(15868.03) N/-S(1255.05) E/-W(-15819.34)
#196 MD(20327.00) Inc(92.05) Azm(269.74) TVD(8791.31) VS(15963.59) N/-S(1253.92) E/-W(-15914.27)
#197 MD(20415.00) Inc(91.91) Azm(268.77) TVD(8788.27) VS(16051.17) N/-S(1252.79) E/-W(-16002.21)
Gamma
API
0.0
150.0
150.0
300.0
ROP
ft/hr
0.0
1000.0
1000.0
2000.0
Bottom Hole Temp
degF
0.0
300.0