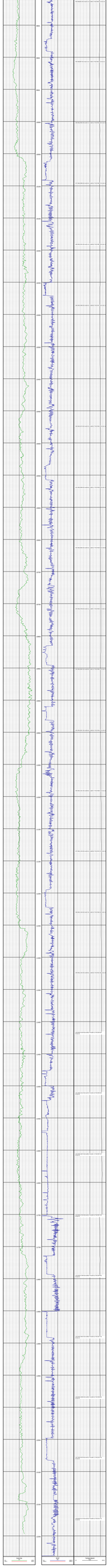

Extraction_Leonard 2N_Cyclone 37

MD
5":100'

Company: Extraction Oil and Gas
Well Name: Leonard 2N
API: 05-123-45045
County/Parish: Weld
State: CO
Country: USA
Job number: CO17274EX
Field: Wattenberg
Rig Id: Cyclone 37
Survey Company: Integrity Directional Inc.
Day Hand Josh Mahoney
Night Hand Andy King

Log measurements: Gamma
Depth measured from: Drill Floor ft
Maximum temperature: 258

Depth	Date
Start: 1525 ft	09/07/17
End: 12231 ft	09/11/17

Casing	Depth	Size
Surface:	1550 ft	9.625"
Intermediate:		

Mud Type: OBM
Density: 10
Viscosity: 39
Rm: NA **Rmf:** NA **Rmc:** NA

Elevations
KB: 28 ft
GL: 5029 ft
DF: 5047 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.50"	34.35 ft	60.00 ft	1525 ft	11701 ft	09/09/17	09/11/17
2	8.50"	39.05 ft	64.00 ft	11701 ft	12321 ft	09/11/17	09/11/17
3							
4							
5							
6							
7							
8							
9							
10							

Integrity Directional Inc. uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

#84 MD(9812.00) Inc(92.2) Azm(89.0) TVD(7508.57) DLS(1.8)
9850
#85 MD(9907.00) Inc(91.4) Azm(90.9) TVD(7505.62) DLS(2.2)
9900
9950
#86 MD(10002.00) Inc(92.7) Azm(92.2) TVD(7502.23) DLS(2.0)
10000
10050
#87 MD(10096.00) Inc(90.4) Azm(90.4) TVD(7499.67) DLS(3.1)
10100
10150
#88 MD(10191.00) Inc(91.4) Azm(89.9) TVD(7498.18) DLS(1.2)
10200
10250
#89 MD(10286.00) Inc(89.4) Azm(89.8) TVD(7497.54) DLS(2.1)
10300
10350
10400
10450
#90 MD(10474.00) Inc(92.0) Azm(89.2) TVD(7495.24) DLS(1.4)
10500
10550
#91 MD(10569.00) Inc(89.6) Azm(90.1) TVD(7493.90) DLS(2.7)
10600
10650
#92 MD(10663.00) Inc(90.3) Azm(90.4) TVD(7493.98) DLS(0.8)
10700
10750
#93 MD(10758.00) Inc(92.1) Azm(89.7) TVD(7492.02) DLS(2.1)
10800
10850
#94 MD(10852.00) Inc(89.8) Azm(91.4) TVD(7490.47) DLS(3.1)
10900
#95 MD(10947.00) Inc(86.9) Azm(89.9) TVD(7493.20) DLS(3.4)
10950
11000
#96 MD(11041.00) Inc(88.6) Azm(89.7) TVD(7496.87) DLS(1.8)
11050
11100
#97 MD(11135.00) Inc(90.2) Azm(88.9) TVD(7497.87) DLS(1.9)
11150
11200
#98 MD(11230.00) Inc(87.8) Azm(92.0) TVD(7499.53) DLS(4.1)
11250
11300
#99 MD(11324.00) Inc(88.6) Azm(90.8) TVD(7502.49) DLS(1.6)
11350
11400
#100 MD(11418.00) Inc(90.0) Azm(90.2) TVD(7503.63) DLS(1.6)
11450
11500
#101 MD(11512.00) Inc(87.9) Azm(91.8) TVD(7505.35) DLS(2.8)
11550
11600
#102 MD(11607.00) Inc(89.3) Azm(91.7) TVD(7507.67) DLS(1.5)
11650
11700
#103 MD(11702.00) Inc(91.2) Azm(92.5) TVD(7507.24) DLS(2.2)
11750
#104 MD(11796.00) Inc(89.6) Azm(93.5) TVD(7506.56) DLS(2.0)
11800
11850
#105 MD(11891.00) Inc(88.9) Azm(92.6) TVD(7507.78) DLS(1.2)
11900
11950
#106 MD(11985.00) Inc(90.0) Azm(90.9) TVD(7508.66) DLS(2.2)
12000
12050
#107 MD(12079.00) Inc(87.4) Azm(89.7) TVD(7510.78) DLS(3.0)
12100
12150
#108 MD(12174.00) Inc(87.8) Azm(90.4) TVD(7514.75) DLS(0.9)
12200
Gamma
API
0.0 150.0
150.0 300.0
ROP
ft/hr
0.0 1000.0
1000.0 2000.0
Temperature
degF
0.0 300.0