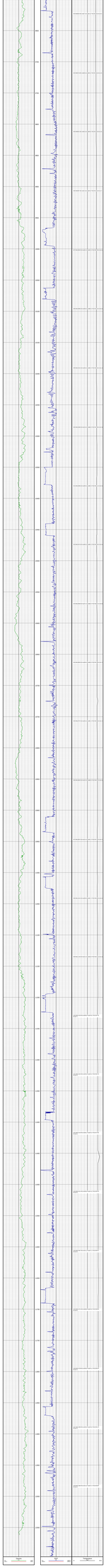

Polaris Guidance Systems LLC

Extraction_Leonard 6N_Cyclone 37

MD
5":100’

Company: Extraction Oil and Gas
Well Name: Leonard 6N
API: 05-123-45047
County/Parish: Weld
State: CO
Country: USA
Job number: CO17303EX
Field: Wattenberg
Rig Id: Cyclone 37
Survey Company: Integrity Directional Inc.
Day Hand Josh Mahoney
Night Hand Steve Lebel

Log measurements: Gamma
Depth measured from: Drill Floor ft
Maximum temperature: 257.8

	Depth	Date
Start:	1594.5 ft	09/21/17
End:	12096 ft	09/23/17

Casing	Depth	Size
Surface:	1533 ft	9.625"
Intermediate:		

Mud Type: OBM
Density: 9.7
Viscosity: 39
Rm: NA **Rmf:** NA **Rmc:** NA

Elevations
KB: 28 ft
GL: 5002 ft
DF: 5030 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	8.50"	33.48 ft	58.00 ft	1594.5 ft	5414 ft	09/21/17	09/22/17
2	8.50"	41.22 ft	66.00 ft	5414 ft	6676 ft	09/22/17	09/22/17
3	8.50"	34.29 ft	60.00 ft	6676 ft	12096 ft	09/22/17	09/23/17
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.

#83 MD(9623.00) Inc(87.4) Azm(91.5) TVD(7420.03) DLS(4.2)

#84 MD(9718.00) Inc(88.6) Azm(90.2) TVD(7423.34) DLS(1.9)

#85 MD(9812.00) Inc(90.3) Azm(89.9) TVD(7424.26) DLS(1.8)

#86 MD(9907.00) Inc(91.9) Azm(90.0) TVD(7422.44) DLS(1.7)

#87 MD(10002.00) Inc(90.1) Azm(92.5) TVD(7420.78) DLS(3.2)

#88 MD(10096.00) Inc(89.0) Azm(88.6) TVD(7421.51) DLS(4.3)

#89 MD(10191.00) Inc(90.0) Azm(89.3) TVD(7422.34) DLS(1.3)

#90 MD(10286.00) Inc(91.6) Azm(88.6) TVD(7421.00) DLS(1.8)

#91 MD(10380.00) Inc(89.5) Azm(88.3) TVD(7420.11) DLS(2.3)

#92 MD(10474.00) Inc(86.5) Azm(89.4) TVD(7423.43) DLS(3.4)

#93 MD(10569.00) Inc(87.2) Azm(88.9) TVD(7428.67) DLS(0.9)

#94 MD(10663.00) Inc(88.8) Azm(88.9) TVD(7431.95) DLS(1.7)

#95 MD(10757.00) Inc(90.4) Azm(89.1) TVD(7432.58) DLS(1.7)

#96 MD(10852.00) Inc(92.3) Azm(88.8) TVD(7430.32) DLS(2.0)

#97 MD(10947.00) Inc(91.4) Azm(91.2) TVD(7427.26) DLS(2.7)

#98 MD(11041.00) Inc(89.8) Azm(93.7) TVD(7426.30) DLS(3.2)

#99 MD(11135.00) Inc(91.3) Azm(93.8) TVD(7425.41) DLS(1.6)

#100 MD(11230.00) Inc(88.9) Azm(92.8) TVD(7425.24) DLS(2.7)

#101 MD(11324.00) Inc(90.0) Azm(92.2) TVD(7426.12) DLS(1.3)

#102 MD(11418.00) Inc(88.1) Azm(92.2) TVD(7427.66) DLS(2.0)

#103 MD(11512.00) Inc(89.6) Azm(91.3) TVD(7429.53) DLS(1.9)

#104 MD(11607.00) Inc(91.1) Azm(91.7) TVD(7428.91) DLS(1.6)

#105 MD(11701.00) Inc(88.8) Azm(92.5) TVD(7428.96) DLS(2.6)

#106 MD(11796.00) Inc(89.9) Azm(92.1) TVD(7430.04) DLS(1.2)

#107 MD(11890.00) Inc(90.0) Azm(93.3) TVD(7430.13) DLS(1.3)

#108 MD(11984.00) Inc(91.4) Azm(92.7) TVD(7428.99) DLS(1.6)