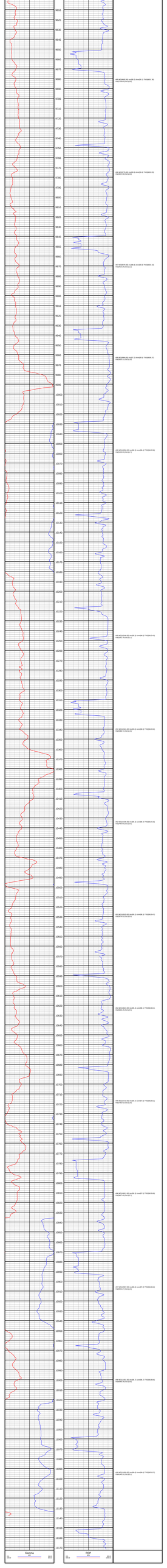

Extraction_MLD-09_Patterson 346

MD
5":100'

Company: Extraction Oil & Gas
Well Name: MLD #09
API: 05-123-44816
County/Parish: Weld
State: Colorado
Country: USA
Job number: CO17279EX
Field: DJ Basin
Rig Id: Patterson 346
Survey Company: Integrity Directional Services
Day Hand Eric Smith
Night Hand Ben Kilby

Log measurements: 2 / 5
Depth measured from: DF ft
Maximum temperature: 240

	Depth	Date
Start:	1550 ft	09/16/2017
End:	1172 ft	09/18/2017

Casing	**Depth**	**Size**
Surface:		
Intermediate:		

Mud Type: Oil Base
Density: 9.65
Viscosity: 37
Rm: N/A **Rmf:** N/A **Rmc:** N/A

Elevations
KB: 25 ft
GL: 4875 ft
DF: 4900 ft

Run	**Bit Size**	**Offsets** **Gamma**	**Offsets** **Survey**	**Depths** **Start**	**Depths** **End**	**Dates** **Start**	**Dates** **End**
1	8.58"	34.60 ft	60.00 ft	1548 ft	11172 ft	09/16/2017	09/18/2017
2							
3							
4							
5							
6							
7							
8							
9							
10							

Integrity Directional Services 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.

#47 MD(6013.00) Inc(13.1) Azm(85.7) TVD(5930.29) VS(-669.45) DLS(10.2)

#48 MD(6106.00) Inc(20.5) Azm(80.6) TVD(6019.26) VS(-642.68) DLS(8.1)

#49 MD(6200.00) Inc(24.8) Azm(85.4) TVD(6106.00) VS(-606.57) DLS(5.0)

#50 MD(6294.00) Inc(32.4) Azm(85.4) TVD(6188.48) VS(-561.63) DLS(8.1)

#51 MD(6388.00) Inc(42.5) Azm(88.3) TVD(6263.02) VS(-504.56) DLS(10.9)

#52 MD(6481.00) Inc(52.7) Azm(90.0) TVD(6325.63) VS(-436.06) DLS(11.1)

#53 MD(6575.00) Inc(64.3) Azm(89.4) TVD(6374.65) VS(-356.19) DLS(12.3)

#54 MD(6669.00) Inc(76.7) Azm(91.8) TVD(6405.96) VS(-268.03) DLS(13.4)

#55 MD(6763.00) Inc(82.1) Azm(92.5) TVD(6423.24) VS(-176.17) DLS(5.8)

#56 MD(6856.00) Inc(81.6) Azm(90.8) TVD(6436.40) VS(-84.52) DLS(1.9)

#57 MD(6950.00) Inc(85.4) Azm(90.1) TVD(6447.01) VS(8.60) DLS(4.1)

#58 MD(7045.00) Inc(85.5) Azm(89.9) TVD(6454.52) VS(103.10) DLS(0.2)

#59 MD(7139.00) Inc(86.0) Azm(88.3) TVD(6461.49) VS(196.71) DLS(1.8)

#60 MD(7234.00) Inc(86.0) Azm(87.5) TVD(6468.13) VS(291.44) DLS(0.9)

#61 MD(7328.00) Inc(86.4) Azm(86.6) TVD(6474.38) VS(385.22) DLS(1.0)

#62 MD(7420.00) Inc(86.4) Azm(85.8) TVD(6480.17) VS(477.03) DLS(0.9)

#63 MD(7514.00) Inc(87.1) Azm(89.0) TVD(6485.51) VS(570.85) DLS(3.5)

#64 MD(7609.00) Inc(88.1) Azm(89.0) TVD(6489.48) VS(665.65) DLS(1.1)

#65 MD(7703.00) Inc(86.8) Azm(90.1) TVD(6493.66) VS(759.40) DLS(1.8)

#66 MD(7798.00) Inc(85.2) Azm(89.8) TVD(6500.30) VS(853.96) DLS(1.7)

#67 MD(7892.00) Inc(84.3) Azm(89.5) TVD(6508.89) VS(947.39) DLS(1.0)

#68 MD(7986.00) Inc(83.0) Azm(89.0) TVD(6519.29) VS(1040.68) DLS(1.5)

#69 MD(8080.00) Inc(84.0) Azm(89.6) TVD(6529.94) VS(1133.93) DLS(1.3)

#70 MD(8174.00) Inc(87.4) Azm(91.7) TVD(6536.98) VS(1227.37) DLS(4.3)

#71 MD(8268.00) Inc(87.6) Azm(90.9) TVD(6541.08) VS(1320.90) DLS(0.9)

#72 MD(8362.00) Inc(87.9) Azm(89.8) TVD(6544.80) VS(1414.58) DLS(1.2)

#73 MD(8456.00) Inc(87.2) Azm(91.3) TVD(6548.83) VS(1508.21) DLS(1.7)

#74 MD(8551.00) Inc(87.7) Azm(89.9) TVD(6553.05) VS(1602.83) DLS(1.6)

#75 MD(8645.00) Inc(85.6) Azm(90.3) TVD(6558.54) VS(1696.45) DLS(2.3)

#76 MD(8739.00) Inc(85.0) Azm(90.1) TVD(6566.23) VS(1789.91) DLS(0.6)

#77 MD(8834.00) Inc(87.3) Azm(90.2) TVD(6572.58) VS(1884.46) DLS(2.4)

#78 MD(8928.00) Inc(86.7) Azm(89.5) TVD(6577.48) VS(1978.14) DLS(1.0)

#79 MD(9022.00) Inc(84.5) Azm(92.2) TVD(6584.70) VS(2071.54) DLS(3.7)

#80 MD(9116.00) Inc(87.1) Azm(91.3) TVD(6591.59) VS(2164.83) DLS(2.9)

#81 MD(9210.00) Inc(87.1) Azm(90.8) TVD(6596.39) VS(2258.37) DLS(0.6)

#82 MD(9305.00) Inc(89.0) Azm(91.2) TVD(6599.66) VS(2352.98) DLS(2.1)

#83 MD(9399.00) Inc(89.4) Azm(90.8) TVD(6600.98) VS(2446.64) DLS(0.6)

#84 MD(9494.00) Inc(90.6) Azm(90.7) TVD(6600.98) VS(2541.34) DLS(1.3)

#85 MD(9682.00) Inc(89.2) Azm(90.1) TVD(6601.30)
VS(2728.83) DLS(0.8)

#86 MD(9776.00) Inc(89.9) Azm(90.4) TVD(6602.03)
VS(2822.59) DLS(0.8)

#87 MD(9870.00) Inc(88.8) Azm(90.0) TVD(6603.10)
VS(2916.36) DLS(1.2)

#88 MD(9964.00) Inc(87.2) Azm(89.5) TVD(6606.37)
VS(3010.11) DLS(1.8)

#89 MD(10058.00) Inc(88.3) Azm(88.4) TVD(6610.08)
VS(3103.93) DLS(1.7)

#90 MD(10246.00) Inc(90.3) Azm(88.0) TVD(6612.43)
VS(3291.79) DLS(1.1)

#91 MD(10341.00) Inc(89.0) Azm(88.9) TVD(6613.02)
VS(3386.71) DLS(1.6)

#92 MD(10435.00) Inc(89.4) Azm(88.7) TVD(6614.33)
VS(3480.60) DLS(0.5)

#93 MD(10529.00) Inc(89.2) Azm(88.3) TVD(6615.47)
VS(3574.52) DLS(0.5)

#94 MD(10624.00) Inc(89.4) Azm(88.1) TVD(6616.61)
VS(3669.45) DLS(0.3)

#95 MD(10718.00) Inc(90.7) Azm(87.0) TVD(6616.51)
VS(3763.42) DLS(1.8)

#96 MD(10812.00) Inc(90.3) Azm(87.5) TVD(6615.69)
VS(3857.40) DLS(0.7)

#97 MD(10907.00) Inc(88.6) Azm(87.2) TVD(6616.62)
VS(3952.37) DLS(1.8)

#98 MD(11001.00) Inc(88.7) Azm(86.7) TVD(6618.84)
VS(4046.34) DLS(0.6)

#99 MD(11095.00) Inc(88.6) Azm(86.6) TVD(6621.07)
VS(4140.31) DLS(0.1)