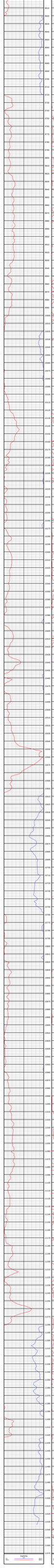

MLD #4

MD
5":100'

Company: Extraction Oil & Gas
Well Name: MLD #4
API:
County/Parish: Larimer
State: Colorado
Country: USA
Job number: CO17250EX
Field: DJ Basin
Rig Id: Patterson 346
Survey Company: IntegrityDirectional Services

Log measurements:
Depth measured from:
Maximum temperature:

Depth	**Date**
Start:1531.50 ft	08/31/2017
End: 11570 ft	09/02/2017

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

Mud Type: Oil Base
Density: 9.65
Viscosity: 35
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4902 ft
GL:
DF:

Run	**Bit Size**	**Offsets** Gamma	**Offsets** Survey	**Depths** Start	**Depths** End	**Dates** Start	**Dates** End
1	8.5"	36.00 ft	61.00 ft	1531.50 ft	11570 ft	08/31/2017	09/02/2017
2							
3							
4							
5							
6							
7							
8							
9							
10							

IntegrityDirectional 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(6082.00) Inc(1.3) Azm(307.9) TVD(5691.89) VS(-330.78) DLS(1.5)

#48 MD(6176.00) Inc(1.8) Azm(312.1) TVD(5785.85) VS(-333.12) DLS(0.6)

#49 MD(6270.00) Inc(0.9) Azm(14.0) TVD(5879.83) VS(-334.52) DLS(1.7)

#50 MD(6363.00) Inc(12.0) Azm(100.3) TVD(5972.14) VS(-324.93) DLS(12.9)

#51 MD(6457.00) Inc(20.0) Azm(85.7) TVD(6062.46) VS(-300.27) DLS(9.5)

#52 MD(6551.00) Inc(26.3) Azm(84.1) TVD(6148.84) VS(-266.27) DLS(6.7)

#53 MD(6645.00) Inc(36.9) Azm(89.5) TVD(6228.81) VS(-220.28) DLS(11.7)

#54 MD(6739.00) Inc(43.1) Azm(89.9) TVD(6300.79) VS(-162.89) DLS(6.6)

#55 MD(6832.00) Inc(54.6) Azm(90.5) TVD(6361.89) VS(-96.24) DLS(12.4)

#56 MD(6926.00) Inc(57.4) Azm(89.6) TVD(6414.43) VS(-22.03) DLS(3.1)

#57 MD(7020.00) Inc(63.8) Azm(91.8) TVD(6460.55) VS(56.20) DLS(7.1)

#58 MD(7114.00) Inc(70.6) Azm(93.3) TVD(6496.94) VS(139.76) DLS(7.4)

#59 MD(7210.00) Inc(78.9) Azm(93.1) TVD(6522.18) VS(229.30) DLS(8.6)

#60 MD(7304.00) Inc(86.4) Azm(90.3) TVD(6534.22) VS(318.79) DLS(8.5)

#61 MD(7396.00) Inc(91.0) Azm(90.0) TVD(6536.33) VS(406.40) DLS(5.0)

#62 MD(7490.00) Inc(90.2) Azm(89.3) TVD(6535.36) VS(495.70) DLS(1.1)

#63 MD(7585.00) Inc(90.1) Azm(89.1) TVD(6535.12) VS(585.73) DLS(0.2)

#64 MD(7679.00) Inc(90.5) Azm(88.9) TVD(6534.63) VS(674.70) DLS(0.5)

#65 MD(7773.00) Inc(91.2) Azm(88.7) TVD(6533.22) VS(763.56) DLS(0.8)

#66 MD(7868.00) Inc(89.7) Azm(88.3) TVD(6532.47) VS(853.21) DLS(1.6)

#67 MD(7962.00) Inc(88.8) Azm(88.4) TVD(6533.68) VS(941.84) DLS(0.9)

#68 MD(8056.00) Inc(89.0) Azm(88.2) TVD(6535.47) VS(1030.42) DLS(0.3)

#69 MD(8150.00) Inc(87.6) Azm(87.7) TVD(6538.28) VS(1118.78) DLS(1.6)

#70 MD(8244.00) Inc(87.3) Azm(88.1) TVD(6542.46) VS(1207.07) DLS(0.5)

#71 MD(8338.00) Inc(87.5) Azm(86.4) TVD(6546.71) VS(1294.97) DLS(1.8)

#72 MD(8432.00) Inc(86.9) Azm(88.4) TVD(6551.28) VS(1382.95) DLS(2.2)

#73 MD(8526.00) Inc(87.3) Azm(88.5) TVD(6556.01) VS(1471.52) DLS(0.4)

#74 MD(8621.00) Inc(87.4) Azm(91.2) TVD(6560.37) VS(1561.78) DLS(2.8)

#75 MD(8715.00) Inc(86.3) Azm(91.1) TVD(6565.53) VS(1651.68) DLS(1.2)

#76 MD(8809.00) Inc(86.8) Azm(91.3) TVD(6571.20) VS(1741.59) DLS(0.6)

#77 MD(8904.00) Inc(86.5) Azm(90.7) TVD(6576.77) VS(1832.37) DLS(0.7)

#78 MD(8998.00) Inc(86.7) Azm(91.7) TVD(6582.36) VS(1922.28) DLS(1.1)

#79 MD(9092.00) Inc(87.5) Azm(90.1) TVD(6587.12) VS(2012.09) DLS(1.9)

#80 MD(9186.00) Inc(86.8) Azm(89.5) TVD(6591.80) VS(2101.37) DLS(1.0)

#81 MD(9281.00) Inc(86.6) Azm(88.4) TVD(6597.27) VS(2191.12) DLS(1.2)

#82 MD(9375.00) Inc(86.2) Azm(87.4) TVD(6603.16) VS(2279.32) DLS(1.2)

#83 MD(9469.00) Inc(85.8) Azm(86.7) TVD(6609.69) VS(2366.99) DLS(0.9)

#84 MD(9563.00) Inc(85.2) Azm(87.8) TVD(6617.05) VS(2454.72) DLS(1.3)

#85 MD(9681.00) Inc(86.0) Azm(89.3) TVD(6626.11) VS(2565.77) DLS(1.4)

#86 MD(9775.00) Inc(85.9) Azm(88.9) TVD(6632.76) VS(2654.57) DLS(0.4)

#87 MD(9869.00) Inc(85.4) Azm(88.1) TVD(6639.87) VS(2743.02) DLS(1.0)

#88 MD(9963.00) Inc(83.8) Azm(89.3) TVD(6648.72) VS(2831.43) DLS(2.2)

#89 MD(10057.00) Inc(83.0) Azm(88.6) TVD(6659.55) VS(2919.78) DLS(1.1)

#90 MD(10151.00) Inc(82.5) Azm(87.5) TVD(6671.42) VS(3007.52) DLS(1.3)

#91 MD(10246.00) Inc(81.0) Azm(89.6) TVD(6685.05) VS(3096.25) DLS(2.7)

#92 MD(10340.00) Inc(80.1) Azm(89.7) TVD(6700.47) VS(3184.35) DLS(0.9)

#93 MD(10434.00) Inc(79.4) Azm(89.6) TVD(6717.17) VS(3272.23) DLS(0.8)

#94 MD(10528.00) Inc(81.0) Azm(90.2) TVD(6733.16) VS(3360.37) DLS(1.8)

#95 MD(10624.00) Inc(80.6) Azm(89.8) TVD(6748.51) VS(3450.60) DLS(0.6)

#96 MD(10718.00) Inc(79.6) Azm(89.9) TVD(6764.68) VS(3538.68) DLS(1.1)

#97 MD(10811.00) Inc(81.1) Azm(89.9) TVD(6780.28) VS(3625.91) DLS(1.6)

#98 MD(10906.00) Inc(81.4) Azm(89.6) TVD(6794.74) VS(3715.17) DLS(0.5)

#99 MD(11001.00) Inc(81.4) Azm(87.7) TVD(6808.95) VS(3803.89) DLS(2.0)

#100 MD(11094.00) Inc(80.6) Azm(88.5) TVD(6823.50) VS(3890.36) DLS(1.2)

#101 MD(11189.00) Inc(78.9) Azm(89.9) TVD(6840.42) VS(3978.93) DLS(2.3)

#102 MD(11284.00) Inc(77.5) Azm(89.1) TVD(6859.86) VS(4067.21) DLS(1.7)

#103 MD(11471.00) Inc(78.9) Azm(88.7) TVD(6898.11) VS(4240.37) DLS(0.8)