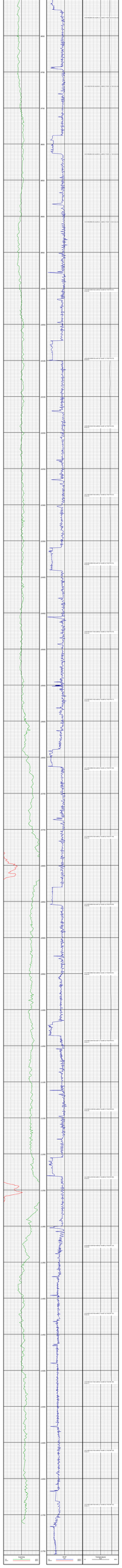

Extraction_HFE 5_Cyclone 37

MD
5":100'

Company: Extraction Oil and Gas
Well Name: HFE 5
API: 05-123-44772
County/Parish: Weld
State: CO
Country: USA
Job number: CO17244EX
Field: Wattenberg
Rig Id: Cyclone 37
Survey Company: Integrity Directional Drilling
Day Hand Josh Mahoney
Night Hand Elias Bradach

Log measurements: Gamma
Depth measured from: Drill Floor ft
Maximum temperature: 241.1

	Depth	Date
Start:	1548 ft	08/27/2017
End:	11755 ft	8/28/2017

Casing	Depth	Size
Surface:	1540 ft	9.625"
Intermediate:		

Mud Type: OBM
Density: 9.45
Viscosity: 50
Rm: NA **Rmf:** NA **Rmc:** NA

Elevations
KB: 28 ft
GL: 4947 ft
DF: 4975 ft

Run	Bit Size	Offsets Gamma	 Survey	Depths Start	 End	Dates Start	 End
1	8.50"	42.57 ft	60.00 ft	1548 ft	11755 ft	08/27/2017	08/28/2017
2							
3							
4							
5							
6							
7							
8							
9							
10							

Integrity Directional Drilling 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.

Temperature
degF
0.0
300.0
ROP
ft/hr
0.0
1000.0
1000.0
2000.0
MD
Gamma
API
0.0
150.0
150.0
300.0
#63 MD(6007.00) Inc(7.9) Azm(263.8) TVD(5848.67) DLS(4.2)
#64 MD(6101.00) Inc(7.4) Azm(267.1) TVD(5941.83) DLS(0.7)
#65 MD(6196.00) Inc(8.2) Azm(261.5) TVD(6035.95) DLS(1.2)
#66 MD(6290.00) Inc(3.3) Azm(256.2) TVD(6129.45) DLS(5.2)
#67 MD(6385.00) Inc(2.6) Azm(244.9) TVD(6224.32) DLS(1.0)
#68 MD(6503.00) Inc(2.2) Azm(72.9) TVD(6342.29) DLS(4.1)
#69 MD(6597.00) Inc(15.0) Azm(82.1) TVD(6435.04) DLS(13.6)
#70 MD(6692.00) Inc(24.6) Azm(78.6) TVD(6524.33) DLS(10.2)
#71 MD(6786.00) Inc(32.3) Azm(89.0) TVD(6606.96) DLS(9.7)
#72 MD(6881.00) Inc(39.8) Azm(89.8) TVD(6683.71) DLS(7.9)
#73 MD(6975.00) Inc(46.9) Azm(90.4) TVD(6752.02) DLS(7.5)
#74 MD(7070.00) Inc(51.1) Azm(91.6) TVD(6814.35) DLS(4.5)
#75 MD(7164.00) Inc(60.0) Azm(90.1) TVD(6867.48) DLS(9.6)
#76 MD(7259.00) Inc(64.5) Azm(89.5) TVD(6911.68) DLS(4.8)
#77 MD(7354.00) Inc(72.4) Azm(89.5) TVD(6946.55) DLS(8.3)
#78 MD(7449.00) Inc(80.2) Azm(87.8) TVD(6969.05) DLS(8.4)
#79 MD(7543.00) Inc(87.0) Azm(88.0) TVD(6979.51) DLS(7.2)
#80 MD(7732.00) Inc(90.4) Azm(86.2) TVD(6983.77) DLS(2.0)
#81 MD(7827.00) Inc(90.1) Azm(89.2) TVD(6983.34) DLS(3.2)
#82 MD(7922.00) Inc(89.2) Azm(90.2) TVD(6983.91) DLS(1.4)
#83 MD(8017.00) Inc(89.3) Azm(88.3) TVD(6985.13) DLS(2.0)
#84 MD(8111.00) Inc(89.5) Azm(85.8) TVD(6986.12) DLS(2.7)
#85 MD(8206.00) Inc(89.2) Azm(87.3) TVD(6987.20) DLS(1.6)
#86 MD(8301.00) Inc(88.4) Azm(90.6) TVD(6989.19) DLS(3.6)
#87 MD(8395.00) Inc(90.5) Azm(91.4) TVD(6990.11) DLS(2.4)
#88 MD(8490.00) Inc(90.2) Azm(90.9) TVD(6989.53) DLS(0.6)
#89 MD(8584.00) Inc(88.7) Azm(91.1) TVD(6990.45) DLS(1.6)
#90 MD(8679.00) Inc(89.9) Azm(89.9) TVD(6991.64) DLS(1.8)
#91 MD(8773.00) Inc(87.0) Azm(89.9) TVD(6994.19) DLS(3.1)
#92 MD(8868.00) Inc(87.3) Azm(89.1) TVD(6998.89) DLS(0.9)
#93 MD(8963.00) Inc(88.2) Azm(88.3) TVD(7002.60) DLS(1.2)
#94 MD(9057.00) Inc(90.1) Azm(88.7) TVD(7003.99) DLS(2.1)
#95 MD(9152.00) Inc(90.6) Azm(88.7) TVD(7003.42) DLS(0.5)
#96 MD(9247.00) Inc(90.2) Azm(87.6) TVD(7002.78) DLS(1.2)
#97 MD(9341.00) Inc(87.5) Azm(87.6) TVD(7004.67) DLS(2.9)
#98 MD(9436.00) Inc(88.6) Azm(87.0) TVD(7007.90) DLS(1.3)
#99 MD(9531.00) Inc(89.5) Azm(88.0) TVD(7009.49) DLS(1.4)
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250
7300
7350
7400
7450
7500
7550
7600
7650
7700
7750
7800
7850
7900
7950
8000
8050
8100
8150
8200
8250
8300
8350
8400
8450
8500
8550
8600
8650
8700
8750
8800
8850
8900
8950
9000
9050
9100
9150
9200
9250
9300
9350
9400
9450
9500
9550

9650
9700
9750
9800
9850
9900
9950
10000
10050
10100
10150
10200
10250
10300
10350
10400
10450
10500
10550
10600
10650
10700
10750
10800
10850
10900
10950
11000
11050
11100
11150
11200
11250
11300
11350
11400
11450
11500
11550
11600
11650
11700
11750
#100 MD(9625.00) Inc(89.1) Azm(89.4) TVD(7010.67) DLS(1.6)
#101 MD(9720.00) Inc(90.8) Azm(89.4) TVD(7010.75) DLS(1.8)
#102 MD(9814.00) Inc(88.0) Azm(89.3) TVD(7011.74) DLS(3.0)
#103 MD(9908.00) Inc(88.5) Azm(88.0) TVD(7014.62) DLS(1.5)
#104 MD(10003.00) Inc(90.6) Azm(86.9) TVD(7015.37) DLS(2.5)
#105 MD(10098.00) Inc(87.8) Azm(87.7) TVD(7016.70) DLS(3.1)
#106 MD(10192.00) Inc(88.9) Azm(87.4) TVD(7019.40) DLS(1.2)
#107 MD(10287.00) Inc(90.1) Azm(86.6) TVD(7020.22) DLS(1.5)
#108 MD(10382.00) Inc(87.5) Azm(90.3) TVD(7022.21) DLS(4.8)
#109 MD(10477.00) Inc(88.3) Azm(89.2) TVD(7025.70) DLS(1.4)
#110 MD(10571.00) Inc(90.4) Azm(89.5) TVD(7026.77) DLS(2.3)
#111 MD(10666.00) Inc(89.3) Azm(91.2) TVD(7027.00) DLS(2.1)
#112 MD(10761.00) Inc(90.1) Azm(90.6) TVD(7027.49) DLS(1.1)
#113 MD(10855.00) Inc(87.5) Azm(91.4) TVD(7029.46) DLS(2.9)
#114 MD(10950.00) Inc(88.4) Azm(91.7) TVD(7032.87) DLS(1.0)
#115 MD(11044.00) Inc(87.7) Azm(90.3) TVD(7036.07) DLS(1.7)
#116 MD(11139.00) Inc(88.5) Azm(89.7) TVD(7039.20) DLS(1.0)
#117 MD(11233.00) Inc(85.7) Azm(88.6) TVD(7043.96) DLS(3.2)
#118 MD(11328.00) Inc(85.6) Azm(88.1) TVD(7051.19) DLS(0.6)
#119 MD(11422.00) Inc(86.7) Azm(87.3) TVD(7057.51) DLS(1.5)
#120 MD(11517.00) Inc(88.3) Azm(86.9) TVD(7061.66) DLS(1.7)
#121 MD(11612.00) Inc(89.9) Azm(86.7) TVD(7063.18) DLS(1.7)
#122 MD(11687.00) Inc(91.1) Azm(86.6) TVD(7062.52) DLS(1.7)
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