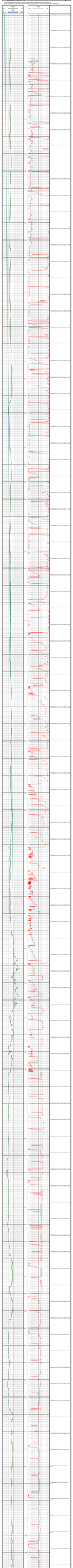

Barr 11L-301

MD
2":100'

Company: PDC Energy Inc
Well Name: Barr 11L-301
API:
County/Parish: WELD
State: COLORADO
Country: USA
Job number: 152-137
Field: Wattenberg
Rig Id: Ensign 152
Survey Company: Ensign Directional
DD1 Jesus Gallego
DD2 Dan Hanson
DD3 Joe Edgerton
MWD1 Paul Wilson
MWD2 Ryan Prue

Log measurements: Gamma, ROP
Depth measured from:
Maximum temperature:

Depth		Date
Start:	0 ft	4-25-18
End:	ft	

Casing	Depth	Size
Surface:	1646 ft	9 5/8"
Intermediate:		

Mud Type: Water
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 23 ft
GL: 4611 ft
DF: 4634 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.25"		59.65 ft	0 ft		4-25-2018	
2	8.5"	62.34 ft	57.34 ft				
3							
4							
5							
6							
7							
8							
9							
10							

Ensign Directional 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.

#15 MD(1490.00) Inc(12.8) Azm(117.6) TVD(1477.86) DLS(0.6)

#16 MD(1586.00) Inc(13.3) Azm(117.5) TVD(1571.38) DLS(0.5)

#17 MD(1684.00) Inc(13.0) Azm(113.1) TVD(1666.82) DLS(1.1)

#18 MD(1780.00) Inc(15.5) Azm(116.6) TVD(1759.86) DLS(2.8)

#19 MD(1874.00) Inc(17.9) Azm(117.5) TVD(1849.88) DLS(2.6)

#20 MD(1970.00) Inc(22.0) Azm(119.4) TVD(1940.11) DLS(4.3)

#21 MD(2065.00) Inc(21.8) Azm(119.4) TVD(2028.25) DLS(0.2)

#22 MD(2161.00) Inc(23.7) Azm(121.1) TVD(2116.78) DLS(2.1)

#23 MD(2256.00) Inc(22.6) Azm(118.2) TVD(2204.13) DLS(1.7)

#24 MD(2446.00) Inc(21.1) Azm(116.6) TVD(2380.48) DLS(0.8)

#25 MD(2542.00) Inc(23.5) Azm(120.1) TVD(2469.29) DLS(2.9)

#26 MD(2637.00) Inc(23.8) Azm(121.3) TVD(2556.32) DLS(0.6)

#27 MD(2733.00) Inc(23.9) Azm(119.9) TVD(2644.12) DLS(0.6)

#28 MD(2828.00) Inc(23.7) Azm(120.3) TVD(2731.04) DLS(0.3)

#29 MD(2924.00) Inc(23.2) Azm(119.2) TVD(2819.11) DLS(0.7)

#30 MD(3020.00) Inc(22.5) Azm(118.3) TVD(2907.58) DLS(0.8)

#31 MD(3115.00) Inc(21.9) Azm(116.6) TVD(2995.54) DLS(0.9)

#32 MD(3211.00) Inc(20.1) Azm(115.7) TVD(3085.16) DLS(1.9)

#33 MD(3306.00) Inc(21.0) Azm(124.1) TVD(3174.13) DLS(3.2)

#34 MD(3402.00) Inc(19.5) Azm(123.4) TVD(3264.19) DLS(1.6)

#35 MD(3498.00) Inc(20.5) Azm(122.6) TVD(3354.40) DLS(1.1)

#36 MD(3595.00) Inc(22.4) Azm(123.6) TVD(3444.68) DLS(2.0)

#37 MD(3689.00) Inc(21.0) Azm(120.1) TVD(3532.02) DLS(2.0)

#38 MD(3784.00) Inc(21.0) Azm(119.0) TVD(3620.71) DLS(0.4)

#39 MD(3880.00) Inc(20.8) Azm(117.6) TVD(3710.40) DLS(0.6)

#40 MD(3976.00) Inc(20.8) Azm(117.5) TVD(3800.14) DLS(0.0)

#41 MD(4071.00) Inc(19.9) Azm(115.0) TVD(3889.21) DLS(1.3)

#42 MD(4167.00) Inc(21.6) Azm(118.7) TVD(3978.98) DLS(2.2)

#43 MD(4262.00) Inc(21.5) Azm(116.8) TVD(4067.34) DLS(0.7)

#44 MD(4358.00) Inc(19.8) Azm(114.5) TVD(4157.17) DLS(2.0)

#45 MD(4453.00) Inc(20.5) Azm(118.7) TVD(4246.36) DLS(1.7)

#46 MD(4548.00) Inc(20.7) Azm(116.4) TVD(4335.29) DLS(0.9)

#47 MD(4644.00) Inc(19.0) Azm(115.2) TVD(4425.58) DLS(1.8)

#48 MD(4739.00) Inc(18.7) Azm(122.0) TVD(4515.50) DLS(2.3)

#49 MD(4835.00) Inc(19.2) Azm(117.1) TVD(4606.30) DLS(1.7)

#50 MD(4931.00) Inc(19.3) Azm(128.2) TVD(4696.97) DLS(3.8)

#51 MD(5026.00) Inc(18.6) Azm(126.9) TVD(4786.82) DLS(0.9)

#52 MD(5122.00) Inc(22.2) Azm(126.2) TVD(4876.78) DLS(3.8)

#53 MD(5217.00) Inc(21.4) Azm(124.3) TVD(4964.99) DLS(1.1)

#54 MD(5313.00) Inc(19.2) Azm(121.3) TVD(5055.02) DLS(2.5)

#55 MD(5408.00) Inc(20.8) Azm(123.1) TVD(5144.29) DLS(1.8)

#56 MD(5504.00) Inc(21.6) Azm(123.3) TVD(5233.79) DLS(0.8)

#57 MD(5600.00) Inc(20.2) Azm(121.3) TVD(5323.48) DLS(1.6)

#58 MD(5695.00) Inc(18.3) Azm(119.9) TVD(5413.16) DLS(2.1)

#59 MD(5791.00) Inc(19.6) Azm(121.3) TVD(5503.96) DLS(1.4)

#60 MD(5886.00) Inc(19.7) Azm(119.4) TVD(5593.43) DLS(0.7)

#61 MD(5982.00) Inc(20.8) Azm(121.1) TVD(5683.49) DLS(1.3)

#62 MD(6077.00) Inc(22.7) Azm(122.7) TVD(5771.72) DLS(2.1)

#63 MD(6173.00) Inc(20.0) Azm(120.1) TVD(5861.13) DLS(3.0)

#64 MD(6269.00) Inc(17.9) Azm(117.6) TVD(5951.92) DLS(2.3)

#65 MD(6364.00) Inc(20.3) Azm(106.2) TVD(6041.72) DLS(4.7)

#66 MD(6460.00) Inc(22.0) Azm(99.9) TVD(6131.26) DLS(3.0)

#67 MD(6555.00) Inc(19.7) Azm(73.0) TVD(6220.24) DLS(10.3)

#68 MD(6651.00) Inc(24.2) Azm(62.6) TVD(6309.29) DLS(6.2)

#69 MD(6746.00) Inc(24.4) Azm(50.8) TVD(6395.92) DLS(5.1)

#70 MD(6842.00) Inc(33.2) Azm(34.1) TVD(6480.10) DLS(12.3)

#71 MD(6937.00) Inc(42.9) Azm(24.1) TVD(6554.89) DLS(12.1)

#72 MD(7033.00) Inc(49.9) Azm(18.7) TVD(6621.08) DLS(8.3)

#73 MD(7129.00) Inc(55.8) Azm(10.9) TVD(6679.09) DLS(8.9)

#74 MD(7225.00) Inc(62.9) Azm(5.0) TVD(6728.03) DLS(9.1)

#75 MD(7320.00) Inc(68.9) Azm(2.0) TVD(6766.81) DLS(6.9)

#76 MD(7416.00) Inc(73.5) Azm(2.5) TVD(6797.74) DLS(4.8)

#77 MD(7511.00) Inc(79.8) Azm(1.6) TVD(6819.66) DLS(6.7)

#78 MD(7607.00) Inc(88.2) Azm(359.3) TVD(6829.69) DLS(9.1)

#79 MD(7702.00) Inc(89.5) Azm(358.6) TVD(6831.60) DLS(1.6)

#80 MD(7798.00) Inc(88.9) Azm(358.5) TVD(6832.94) DLS(0.6)

#81 MD(7893.00) Inc(89.6) Azm(359.3) TVD(6834.18) DLS(1.1)

#82 MD(7989.00) Inc(90.2) Azm(358.6) TVD(6834.35) DLS(1.0)

#83 MD(8085.00) Inc(89.7) Azm(358.6) TVD(6834.43) DLS(0.5)

#84 MD(8180.00) Inc(90.4) Azm(358.8) TVD(6834.35) DLS(0.8)

#85 MD(8276.00) Inc(90.6) Azm(2.8) TVD(6833.51) DLS(4.2)

#86 MD(8371.00) Inc(88.9) Azm(1.4) TVD(6833.93) DLS(2.3)

#87 MD(8466.00) Inc(89.2) Azm(0.7) TVD(6835.50) DLS(0.8)

#88 MD(8562.00) Inc(89.1) Azm(359.9) TVD(6836.92) DLS(0.8)

#89 MD(8658.00) Inc(89.1) Azm(358.6) TVD(6838.43) DLS(1.4)

#90 MD(8754.00) Inc(90.1) Azm(0.6) TVD(6839.10) DLS(2.3)

#91 MD(8850.00) Inc(90.1) Azm(359.7) TVD(6838.94) DLS(0.9)

#92 MD(8945.00) Inc(90.0) Azm(359.9) TVD(6838.85) DLS(0.2)

#93 MD(9041.00) Inc(89.6) Azm(359.7) TVD(6839.19) DLS(0.5)

#94 MD(9137.00) Inc(90.5) Azm(2.8) TVD(6839.10) DLS(3.4)

#95 MD(9232.00) Inc(90.7) Azm(1.8) TVD(6838.11) DLS(1.1)

#96 MD(9327.00) Inc(90.7) Azm(1.8) TVD(6836.95) DLS(0.0)

#97 MD(9423.00) Inc(91.3) Azm(1.3) TVD(6835.27) DLS(0.8)

#98 MD(9519.00) Inc(90.9) Azm(0.7) TVD(6833.43) DLS(0.8)

#99 MD(9614.00) Inc(91.3) Azm(0.6) TVD(6831.61) DLS(0.4)

#100 MD(9709.00) Inc(91.5) Azm(0.2) TVD(6829.29) DLS(0.5)

#101 MD(9805.00) Inc(90.1) Azm(1.4) TVD(6827.95) DLS(1.9)

#102 MD(9900.00) Inc(90.5) Azm(359.2) TVD(6827.45) DLS(2.4)

#103 MD(9996.00) Inc(89.9) Azm(357.9) TVD(6827.11) DLS(1.5)

#104 MD(10091.00) Inc(90.2) Azm(359.9) TVD(6827.03) DLS(2.1)

#105 MD(10186.00) Inc(89.9) Azm(359.7) TVD(6826.95) DLS(0.4)

#106 MD(10282.00) Inc(89.6) Azm(358.6) TVD(6827.37) DLS(1.2)

#107 MD(10377.00) Inc(91.2) Azm(2.3) TVD(6826.70) DLS(4.2)

#108 MD(10473.00) Inc(91.3) Azm(2.0) TVD(6824.61) DLS(0.3)

10500
10600
10700
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12100
12200
12300
#109 MD(10568.00) Inc(91.5) Azm(1.8) TVD(6822.29) DLS(0.3)
#110 MD(10664.00) Inc(92.2) Azm(1.4) TVD(6819.19) DLS(0.8)
#111 MD(10759.00) Inc(90.7) Azm(1.4) TVD(6816.78) DLS(1.6)
#112 MD(10855.00) Inc(89.8) Azm(0.4) TVD(6816.36) DLS(1.4)
#113 MD(10950.00) Inc(90.0) Azm(0.7) TVD(6816.53) DLS(0.4)
#114 MD(11046.00) Inc(90.8) Azm(0.9) TVD(6815.86) DLS(0.9)
#115 MD(11141.00) Inc(89.6) Azm(359.0) TVD(6815.53) DLS(2.4)
#116 MD(11237.00) Inc(90.4) Azm(359.7) TVD(6815.53) DLS(1.1)
#117 MD(11333.00) Inc(90.0) Azm(359.3) TVD(6815.19) DLS(0.6)
#118 MD(11428.00) Inc(89.3) Azm(359.2) TVD(6815.77) DLS(0.7)
#119 MD(11526.00) Inc(89.6) Azm(359.2) TVD(6816.71) DLS(0.3)
#120 MD(11619.00) Inc(89.8) Azm(358.5) TVD(6817.20) DLS(0.8)
#121 MD(11715.00) Inc(89.9) Azm(357.4) TVD(6817.45) DLS(1.2)
#122 MD(11810.00) Inc(88.9) Azm(0.6) TVD(6818.45) DLS(3.5)
#123 MD(11905.00) Inc(89.6) Azm(0.9) TVD(6819.69) DLS(0.8)
#124 MD(12001.00) Inc(90.8) Azm(0.7) TVD(6819.36) DLS(1.3)
#125 MD(12097.00) Inc(92.2) Azm(0.7) TVD(6816.84) DLS(1.5)
#126 MD(12192.00) Inc(92.1) Azm(0.6) TVD(6813.28) DLS(0.1)
#127 MD(12287.00) Inc(91.9) Azm(359.9) TVD(6809.96) DLS(0.8)
#128 MD(12312.00) Inc(91.5) Azm(0.6) TVD(6809.22) DLS(3.2)
#129 MD(12368.00) Inc(91.5) Azm(0.6) TVD(6807.76) DLS(0.0)
Gamma
API
0.0 300.0
300.0 600.0
TVD
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12550.0 25100.0
ROP
0
0.0 800.0
800.0 1600.0