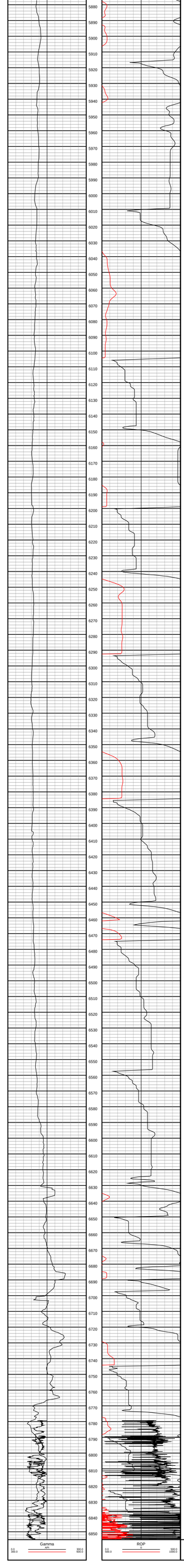

Wilmoth E 5A-312

TVD
5":100'

Company: Petroleum Development Corp.
Well Name: Wilmoth E 5A-312
API: 051234548400
County/Parish: Weld
State: Colorado
Country: United States
Job number: 161-151
Field: Wattenburg
Rig Id: Ensign 161
Survey Company: Ensign
Operator: Petroleum Development Corp.
Company Man: Brady Sharp / John Falton

Daylight DD: Zach Gentry
Swing Shift DD: Tony Callow
Night DD: Eric Mays
Daylight MWD: Ryan Prue
Night MWD: Chad Anderson

Log measurements: Gamma, ROP
Depth measured from: 1661 ft
Maximum temperature: 226.1

Depth		Date
Start:	0 ft	11-11-2018
End:	16434 ft	11-15-2018

Casing	Depth	Size
Surface:	1657 ft	9 5/8"
Intermediate:		

Mud Type: H2O
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 23 ft
GL: 4739 ft
DF: 4762 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	12.25"			0 ft	1681 ft	11-11-2018	11-12-2018
2	8.5"	73.99 ft	69.16 ft	1681 ft	16434 ft	11-12-2018	11-15-2018
3							
4							
5							
6							
7							
8							
9							
10							

Ensign 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.

#23 MD(2371.00) Inc(8.2) Azm(298.0) TVD(2346.44) VS(-274.14) N/-S(83.20) E/-W(-276.21)

#24 MD(2466.00) Inc(8.5) Azm(294.8) TVD(2440.44) VS(-286.29) N/-S(89.29) E/-W(-288.51)

#25 MD(2562.00) Inc(8.3) Azm(292.7) TVD(2535.42) VS(-298.93) N/-S(94.92) E/-W(-301.29)

#26 MD(2657.00) Inc(10.1) Azm(293.6) TVD(2629.20) VS(-312.70) N/-S(100.89) E/-W(-315.20)

#27 MD(2753.00) Inc(11.3) Azm(297.8) TVD(2723.54) VS(-328.54) N/-S(108.64) E/-W(-331.24)

#28 MD(2847.00) Inc(11.1) Azm(296.9) TVD(2815.75) VS(-344.56) N/-S(117.03) E/-W(-347.46)

#29 MD(2942.00) Inc(11.0) Azm(294.2) TVD(2908.98) VS(-360.79) N/-S(124.88) E/-W(-363.88)

#30 MD(3037.00) Inc(11.2) Azm(292.6) TVD(3002.20) VS(-377.42) N/-S(132.16) E/-W(-380.69)

#31 MD(3133.00) Inc(10.9) Azm(291.2) TVD(3096.41) VS(-394.37) N/-S(139.03) E/-W(-397.81)

#32 MD(3228.00) Inc(10.4) Azm(288.1) TVD(3189.77) VS(-410.77) N/-S(144.95) E/-W(-414.35)

#33 MD(3323.00) Inc(9.7) Azm(283.9) TVD(3283.32) VS(-426.55) N/-S(149.54) E/-W(-430.25)

#34 MD(3419.00) Inc(9.7) Azm(279.4) TVD(3377.95) VS(-442.29) N/-S(152.81) E/-W(-446.07)

#35 MD(3515.00) Inc(9.2) Azm(276.4) TVD(3472.65) VS(-457.83) N/-S(154.98) E/-W(-461.67)

#36 MD(3610.00) Inc(8.4) Azm(274.5) TVD(3566.52) VS(-472.31) N/-S(156.38) E/-W(-476.18)

#37 MD(3706.00) Inc(8.0) Azm(275.2) TVD(3661.54) VS(-485.92) N/-S(157.54) E/-W(-489.83)

#38 MD(3801.00) Inc(8.0) Azm(273.6) TVD(3755.62) VS(-499.04) N/-S(158.55) E/-W(-502.97)

#39 MD(3896.00) Inc(8.2) Azm(273.6) TVD(3849.67) VS(-512.36) N/-S(159.39) E/-W(-516.32)

#40 MD(3992.00) Inc(7.9) Azm(274.7) TVD(3944.73) VS(-525.74) N/-S(160.37) E/-W(-529.72)

#41 MD(4087.00) Inc(8.3) Azm(283.5) TVD(4038.78) VS(-538.86) N/-S(162.51) E/-W(-542.90)

#42 MD(4182.00) Inc(8.1) Azm(283.0) TVD(4132.82) VS(-551.91) N/-S(165.60) E/-W(-556.03)

#43 MD(4278.00) Inc(7.6) Azm(301.9) TVD(4227.94) VS(-563.74) N/-S(170.47) E/-W(-567.97)

#44 MD(4373.00) Inc(7.1) Azm(301.5) TVD(4322.16) VS(-573.94) N/-S(176.87) E/-W(-578.33)

#45 MD(4469.00) Inc(6.9) Azm(300.3) TVD(4417.44) VS(-583.85) N/-S(182.89) E/-W(-588.39)

#46 MD(4565.00) Inc(6.6) Azm(301.5) TVD(4512.77) VS(-593.41) N/-S(188.70) E/-W(-598.10)

#47 MD(4660.00) Inc(6.4) Azm(298.6) TVD(4607.16) VS(-602.63) N/-S(194.10) E/-W(-607.44)

#48 MD(4756.00) Inc(6.4) Azm(298.6) TVD(4702.56) VS(-611.89) N/-S(199.22) E/-W(-616.83)

#49 MD(4852.00) Inc(6.2) Azm(300.0) TVD(4797.98) VS(-620.93) N/-S(204.36) E/-W(-626.00)

#50 MD(4948.00) Inc(6.3) Azm(305.1) TVD(4893.41) VS(-629.58) N/-S(209.97) E/-W(-634.78)

#51 MD(5043.00) Inc(6.2) Azm(305.2) TVD(4987.86) VS(-637.84) N/-S(215.88) E/-W(-643.19)

#52 MD(5139.00) Inc(5.0) Azm(276.5) TVD(5083.42) VS(-646.10) N/-S(219.32) E/-W(-651.53)

#53 MD(5234.00) Inc(2.3) Azm(248.3) TVD(5178.23) VS(-651.94) N/-S(219.09) E/-W(-657.36)

#54 MD(5329.00) Inc(0.8) Azm(114.4) TVD(5273.21) VS(-653.08) N/-S(218.10) E/-W(-658.48)

#55 MD(5425.00) Inc(0.6) Azm(114.8) TVD(5369.20) VS(-652.00) N/-S(217.60) E/-W(-657.40)

#56 MD(5520.00) Inc(0.3) Azm(64.8) TVD(5464.20) VS(-651.37) N/-S(217.49) E/-W(-656.76)

#57 MD(5615.00) Inc(0.8) Azm(74.5) TVD(5559.19) VS(-650.54) N/-S(217.75) E/-W(-655.93)

#58 MD(5710.00) Inc(0.8) Azm(87.6) TVD(5654.18) VS(-649.20) N/-S(217.96) E/-W(-654.59)

#59 MD(5806.00) Inc(1.0) Azm(87.4) TVD(5750.17) VS(-647.66) N/-S(218.03) E/-W(-653.05)

#60 MD(5901.00) Inc(0.8) Azm(92.2) TVD(5845.16) VS(-646.17) N/-S(218.04) E/-W(-651.57)

#61 MD(5996.00) Inc(0.9) Azm(81.0) TVD(5940.15)
VS(-644.76) N/-S(218.13) E/-W(-650.16)

#62 MD(6091.00) Inc(0.7) Azm(65.8) TVD(6035.14)
VS(-643.45) N/-S(218.50) E/-W(-648.86)

#63 MD(6186.00) Inc(5.0) Azm(94.2) TVD(6130.00)
VS(-638.78) N/-S(218.45) E/-W(-644.19)

#64 MD(6281.00) Inc(10.6) Azm(106.7) TVD(6224.09)
VS(-626.33) N/-S(215.62) E/-W(-631.67)

#65 MD(6377.00) Inc(14.7) Azm(98.0) TVD(6317.73)
VS(-605.86) N/-S(211.38) E/-W(-611.08)

#66 MD(6472.00) Inc(19.2) Azm(87.9) TVD(6408.59)
VS(-578.27) N/-S(210.26) E/-W(-583.46)

#67 MD(6567.00) Inc(26.1) Azm(89.6) TVD(6496.20)
VS(-541.70) N/-S(211.00) E/-W(-546.90)

#68 MD(6662.00) Inc(39.2) Azm(93.3) TVD(6576.03)
VS(-490.66) N/-S(209.43) E/-W(-495.81)

#69 MD(6758.00) Inc(49.1) Azm(92.9) TVD(6644.79)
VS(-424.04) N/-S(205.86) E/-W(-429.09)

#70 MD(6854.00) Inc(53.2) Azm(92.8) TVD(6705.01)
VS(-349.50) N/-S(202.15) E/-W(-354.44)

#71 MD(6949.00) Inc(59.4) Azm(91.2) TVD(6757.71)
VS(-270.66) N/-S(199.46) E/-W(-275.51)

#170 MD(16364.00) Inc(90.0) Azm(88.2) TVD(6779.37)
VS(9123.03) N/-S(222.80) E/-W(9120.31)