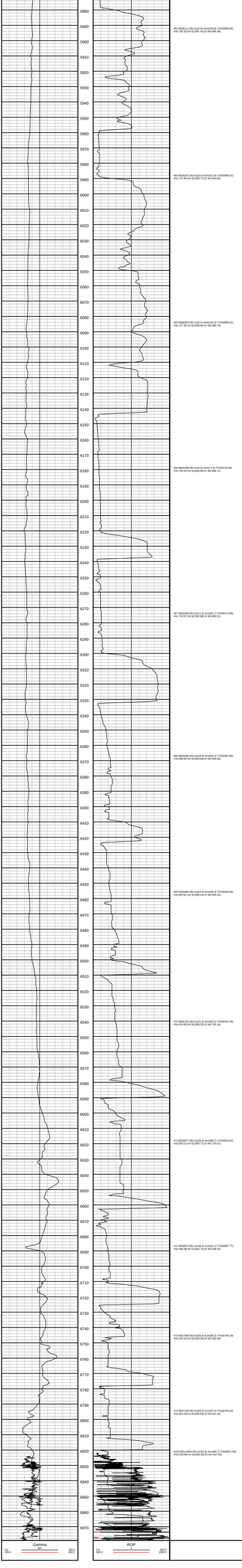

ENSIGN

Bunting 26O-332

TVD
5":100'

Company: Petroleum Development Corp.
Well Name: Bunting 26O-332
API: 05123409100
County/Parish: Weld
State: Colorado
Country: United States
Job number: 161-102
Field: Wattenburg
Rig Id: Ensign 161
Survey Company: Ensign Directional Services
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: Justin Klatt
Night MWD: Ryan Prue

Log measurements: Gamma, ROP
Depth measured from: 2000 ft
Maximum temperature:

Depth	Date
Start: 0 ft	12/05/2017
End: ft	

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

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

Elevations
KB: 4672 ft
GL: 4649 ft
DF: 4672 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	12.25"		57.80 ft	0 ft	1691 ft	12-05-2017	12-06-2017
2	8.5"	61.38 ft	56.38 ft	1691 ft		12-06-2017	
3							
4							
5							
6							
7							
8							
9							
10							

Ensign 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.

#24 MD(2350.00) Inc(21.3) Azm(319.6) TVD(2317.16)
VS(-140.96) N/-S(221.51) E/-W(-174.07)

#25 MD(2444.00) Inc(20.0) Azm(319.0) TVD(2405.12)
VS(-158.79) N/-S(246.64) E/-W(-195.69)

#26 MD(2540.00) Inc(20.3) Azm(319.7) TVD(2495.25)
VS(-176.56) N/-S(271.73) E/-W(-217.23)

#27 MD(2636.00) Inc(21.5) Azm(321.2) TVD(2584.93)
VS(-194.40) N/-S(298.14) E/-W(-239.02)

#28 MD(2731.00) Inc(21.0) Azm(320.4) TVD(2673.47)
VS(-212.16) N/-S(324.83) E/-W(-260.78)

#29 MD(2827.00) Inc(21.5) Azm(319.9) TVD(2762.94)
VS(-230.45) N/-S(351.54) E/-W(-283.08)

#30 MD(2922.00) Inc(20.0) Azm(320.3) TVD(2851.78)
VS(-248.17) N/-S(377.36) E/-W(-304.67)

#31 MD(3018.00) Inc(20.2) Azm(321.2) TVD(2941.93)
VS(-265.22) N/-S(402.90) E/-W(-325.54)

#32 MD(3114.00) Inc(20.9) Azm(320.4) TVD(3031.82)
VS(-282.60) N/-S(429.02) E/-W(-346.84)

#33 MD(3210.00) Inc(19.8) Azm(319.0) TVD(3121.83)
VS(-300.36) N/-S(454.48) E/-W(-368.43)

#34 MD(3306.00) Inc(18.9) Azm(316.9) TVD(3212.41)
VS(-318.10) N/-S(478.11) E/-W(-389.72)

#35 MD(3402.00) Inc(19.4) Azm(316.4) TVD(3303.10)
VS(-336.25) N/-S(501.00) E/-W(-411.34)

#36 MD(3497.00) Inc(19.2) Azm(315.5) TVD(3392.76)
VS(-354.67) N/-S(523.57) E/-W(-433.17)

#37 MD(3594.00) Inc(18.7) Azm(317.6) TVD(3484.50)
VS(-372.88) N/-S(546.43) E/-W(-454.83)

#38 MD(3689.00) Inc(18.9) Azm(323.6) TVD(3574.44)
VS(-388.74) N/-S(570.06) E/-W(-474.23)

#39 MD(3785.00) Inc(19.6) Azm(322.6) TVD(3665.07)
VS(-403.97) N/-S(595.37) E/-W(-493.24)

#40 MD(3881.00) Inc(19.7) Azm(322.2) TVD(3755.48)
VS(-419.85) N/-S(620.95) E/-W(-512.94)

#41 MD(3976.00) Inc(19.5) Azm(322.2) TVD(3844.98)
VS(-435.62) N/-S(646.13) E/-W(-532.47)

#42 MD(4072.00) Inc(18.2) Azm(321.5) TVD(3935.83)
VS(-451.12) N/-S(670.52) E/-W(-551.62)

#43 MD(4168.00) Inc(19.2) Azm(322.4) TVD(4026.76)
VS(-466.47) N/-S(694.76) E/-W(-570.59)

#44 MD(4263.00) Inc(19.0) Azm(322.6) TVD(4116.53)
VS(-481.71) N/-S(719.42) E/-W(-589.51)

#45 MD(4359.00) Inc(17.6) Azm(324.0) TVD(4207.67)
VS(-496.13) N/-S(743.58) E/-W(-607.53)

#46 MD(4455.00) Inc(17.9) Azm(322.6) TVD(4299.10)
VS(-510.12) N/-S(767.04) E/-W(-625.03)

#47 MD(4550.00) Inc(19.0) Azm(321.5) TVD(4389.22)
VS(-525.07) N/-S(790.75) E/-W(-643.52)

#48 MD(4646.00) Inc(19.1) Azm(320.3) TVD(4479.96)
VS(-541.19) N/-S(815.06) E/-W(-663.28)

#49 MD(4741.00) Inc(19.3) Azm(321.7) TVD(4569.68)
VS(-557.22) N/-S(839.34) E/-W(-682.94)

#50 MD(4837.00) Inc(17.9) Azm(321.5) TVD(4660.66)
VS(-572.64) N/-S(863.34) E/-W(-701.96)

#51 MD(4933.00) Inc(19.7) Azm(319.4) TVD(4751.54)
VS(-588.79) N/-S(887.17) E/-W(-721.67)

#52 MD(5029.00) Inc(18.2) Azm(318.3) TVD(4842.33)
VS(-605.76) N/-S(910.65) E/-W(-742.18)

#53 MD(5125.00) Inc(19.6) Azm(317.1) TVD(4933.15)
VS(-623.23) N/-S(933.64) E/-W(-763.11)

#54 MD(5221.00) Inc(19.2) Azm(317.3) TVD(5023.70)
VS(-641.36) N/-S(957.04) E/-W(-784.78)

#55 MD(5316.00) Inc(18.0) Azm(316.4) TVD(5113.74)
VS(-658.74) N/-S(979.15) E/-W(-805.50)

#56 MD(5412.00) Inc(17.1) Azm(314.5) TVD(5205.27)
VS(-675.91) N/-S(999.78) E/-W(-825.79)

#57 MD(5508.00) Inc(14.6) Azm(315.5) TVD(5297.61)
VS(-691.65) N/-S(1018.31) E/-W(-844.34)

#58 MD(5604.00) Inc(12.2) Azm(322.9) TVD(5391.00)
VS(-703.74) N/-S(1035.03) E/-W(-858.95)

#59 MD(5700.00) Inc(10.8) Azm(322.9) TVD(5485.07)
VS(-713.01) N/-S(1050.30) E/-W(-870.49)

#60 MD(5795.00) Inc(8.0) Azm(320.4) TVD(5578.79)
VS(-720.77) N/-S(1062.49) E/-W(-880.08)

#61 MD(5892.00) Inc(7.4) Azm(317.6) TVD(5674.91)
VS(-727.81) N/-S(1072.31) E/-W(-888.59)

#62 MD(5988.00) Inc(4.9) Azm(327.5) TVD(5770.35)
VS(-732.98) N/-S(1080.33) E/-W(-894.96)

#63 MD(6111.00) Inc(2.9) Azm(329.6) TVD(5893.06)
VS(-736.33) N/-S(1087.45) E/-W(-899.36)

#64 MD(6207.00) Inc(0.4) Azm(312.4) TVD(5989.01)
VS(-737.46) N/-S(1089.77) E/-W(-900.84)

#65 MD(6303.00) Inc(0.4) Azm(102.0) TVD(6085.01)
VS(-737.36) N/-S(1089.92) E/-W(-900.76)

#66 MD(6398.00) Inc(4.6) Azm(77.9) TVD(6179.90)
VS(-733.24) N/-S(1090.65) E/-W(-896.71)

#67 MD(6494.00) Inc(11.8) Azm(81.7) TVD(6274.86)
VS(-719.57) N/-S(1092.88) E/-W(-883.21)

#68 MD(6590.00) Inc(16.9) Azm(92.5) TVD(6367.85)
VS(-696.02) N/-S(1093.69) E/-W(-859.54)

#69 MD(6685.00) Inc(24.5) Azm(98.3) TVD(6456.66)
VS(-663.51) N/-S(1090.24) E/-W(-826.20)

#70 MD(6781.00) Inc(31.8) Azm(92.5) TVD(6541.26)
VS(-619.49) N/-S(1086.25) E/-W(-781.16)

#71 MD(6877.00) Inc(39.9) Azm(90.7) TVD(6619.02)
VS(-564.11) N/-S(1084.77) E/-W(-725.01)

#72 MD(6973.00) Inc(48.5) Azm(91.1) TVD(6687.77)
VS(-498.08) N/-S(1083.70) E/-W(-658.15)

#73 MD(7068.00) Inc(55.4) Azm(89.3) TVD(6746.29)
VS(-424.10) N/-S(1083.50) E/-W(-583.39)

#74 MD(7164.00) Inc(63.0) Azm(87.5) TVD(6795.42)
VS(-342.24) N/-S(1085.85) E/-W(-501.03)

#154 MD(14849.00) Inc(91.9) Azm(89.7) TVD(6821.98)
VS(7249.99) N/-S(1092.60) E/-W(7167.50)