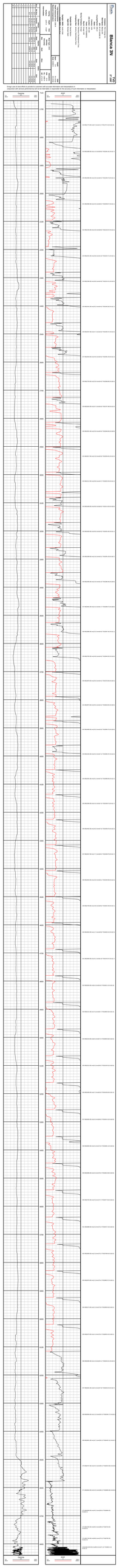

Blanca 3N

TVD
2":100'

Company: PDC Energy Inc.
Well Name: Blanca 3N
API: 05 123 46306 00
County/Parish: WELD
State: CO
Country: USA
Job number: 158-108
Field: WATTENBERG
Rig Id: Ensign 158
Survey Company: Ensign
Operator: Petroleum Development Corp.
Company Man: Jeremy Stolz/Shane Paris
Daylight DD: Danial Barton
Night DD: Richard Stahl
Daylight MWD: Justin Klatt
Night MWD: Ryan Prue

Log measurements:
Depth measured from: 1696 ft
Maximum temperature:

Depth	Date
Start: 0 ft	8-4-2018
End: 15300 ft	8-8-2018

Casing	Depth	Size
Surface:	1675 ft	9 5/8"
Intermediate:		

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

Elevations
KB: 23 ft
GL: 4690 ft
DF: 4713 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.5"	63.79 ft	58.21 ft	1675 ft	6807 ft	8-4-2018	8-5-2018
2	8.5"	59.26 ft	54.43 ft	6807 ft	7376 ft	8-5-2018	8-6-2018
3	8.5"	62.61 ft	57.78 ft	7376 ft	15300 ft	8-6-2018	8-8-2018
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.

#18 MD(1773.00) Inc(9.7) Azm(41.2) TVD(1757.42) DLS(1.8)
#19 MD(1869.00) Inc(11.3) Azm(38.9) TVD(1851.81) DLS(1.7)
#20 MD(1965.00) Inc(12.6) Azm(40.2) TVD(1945.73) DLS(1.4)
#21 MD(2060.00) Inc(13.5) Azm(38.2) TVD(2038.27) DLS(1.1)
#22 MD(2155.00) Inc(14.9) Azm(38.9) TVD(2130.37) DLS(1.5)
#23 MD(2251.00) Inc(16.8) Azm(41.6) TVD(2222.71) DLS(2.1)
#24 MD(2346.00) Inc(18.6) Azm(43.9) TVD(2313.21) DLS(2.0)
#25 MD(2441.00) Inc(20.2) Azm(44.0) TVD(2402.82) DLS(1.7)
#26 MD(2537.00) Inc(21.7) Azm(44.6) TVD(2492.47) DLS(1.6)
#27 MD(2633.00) Inc(22.9) Azm(45.6) TVD(2581.29) DLS(1.3)
#28 MD(2728.00) Inc(22.9) Azm(44.6) TVD(2668.80) DLS(0.4)
#29 MD(2825.00) Inc(23.7) Azm(45.8) TVD(2757.89) DLS(1.0)
#30 MD(2921.00) Inc(22.9) Azm(45.6) TVD(2846.06) DLS(0.8)
#31 MD(3017.00) Inc(21.9) Azm(45.8) TVD(2934.81) DLS(1.0)
#32 MD(3112.00) Inc(20.8) Azm(44.7) TVD(3023.29) DLS(1.2)
#33 MD(3208.00) Inc(20.8) Azm(46.0) TVD(3113.04) DLS(0.5)
#34 MD(3303.00) Inc(20.9) Azm(43.0) TVD(3201.82) DLS(1.1)
#35 MD(3399.00) Inc(21.6) Azm(43.2) TVD(3291.29) DLS(0.7)
#36 MD(3495.00) Inc(21.9) Azm(41.9) TVD(3380.46) DLS(0.6)
#37 MD(3591.00) Inc(21.3) Azm(41.7) TVD(3469.72) DLS(0.6)
#38 MD(3686.00) Inc(22.3) Azm(40.9) TVD(3557.92) DLS(1.1)
#39 MD(3782.00) Inc(24.8) Azm(44.6) TVD(3645.92) DLS(3.0)
#40 MD(3878.00) Inc(25.0) Azm(44.2) TVD(3733.00) DLS(0.3)
#41 MD(3973.00) Inc(25.5) Azm(44.4) TVD(3818.92) DLS(0.5)
#42 MD(4069.00) Inc(25.0) Azm(43.9) TVD(3905.75) DLS(0.6)
#43 MD(4165.00) Inc(24.4) Azm(47.2) TVD(3992.97) DLS(1.6)
#44 MD(4261.00) Inc(23.1) Azm(47.0) TVD(4080.84) DLS(1.4)
#45 MD(4356.00) Inc(21.5) Azm(47.4) TVD(4168.73) DLS(1.7)
#46 MD(4452.00) Inc(19.3) Azm(47.5) TVD(4258.70) DLS(2.3)
#47 MD(4547.00) Inc(17.7) Azm(48.2) TVD(4348.78) DLS(1.7)
#48 MD(4643.00) Inc(15.9) Azm(48.1) TVD(4440.69) DLS(1.9)
#49 MD(4738.00) Inc(13.9) Azm(48.6) TVD(4532.49) DLS(2.1)
#50 MD(4834.00) Inc(11.7) Azm(49.8) TVD(4626.10) DLS(2.3)
#51 MD(4930.00) Inc(10.1) Azm(51.8) TVD(4720.37) DLS(1.7)
#52 MD(5026.00) Inc(8.4) Azm(54.8) TVD(4815.12) DLS(1.8)
#53 MD(5121.00) Inc(7.0) Azm(56.7) TVD(4909.26) DLS(1.5)
#54 MD(5218.00) Inc(6.5) Azm(57.4) TVD(5005.58) DLS(0.5)
#55 MD(5313.00) Inc(6.0) Azm(59.0) TVD(5100.02) DLS(0.6)
#56 MD(5409.00) Inc(4.7) Azm(63.9) TVD(5195.60) DLS(1.4)
#57 MD(5505.00) Inc(4.0) Azm(69.9) TVD(5291.32) DLS(0.9)
#58 MD(5600.00) Inc(3.5) Azm(73.0) TVD(5386.12) DLS(0.6)
#59 MD(5696.00) Inc(3.0) Azm(76.5) TVD(5481.96) DLS(0.6)
#60 MD(5792.00) Inc(2.9) Azm(72.7) TVD(5577.84) DLS(0.2)
#61 MD(5888.00) Inc(2.6) Azm(70.2) TVD(5673.73) DLS(0.3)
#62 MD(5983.00) Inc(2.3) Azm(70.2) TVD(5768.64) DLS(0.3)
#63 MD(6078.00) Inc(2.2) Azm(70.4) TVD(5863.57) DLS(0.1)
#64 MD(6174.00) Inc(2.2) Azm(73.9) TVD(5959.50) DLS(0.1)
#65 MD(6270.00) Inc(2.2) Azm(76.5) TVD(6055.42) DLS(0.1)
#66 MD(6365.00) Inc(1.0) Azm(242.1) TVD(6150.41) DLS(3.3)
#67 MD(6461.00) Inc(5.5) Azm(247.8) TVD(6246.23) DLS(4.7)
#68 MD(6556.00) Inc(11.3) Azm(252.3) TVD(6340.17) DLS(6.1)
#69 MD(6651.00) Inc(16.7) Azm(252.3) TVD(6432.31) DLS(5.7)
#70 MD(6747.00) Inc(22.2) Azm(256.4) TVD(6522.80) DLS(5.9)
#71 MD(6844.00) Inc(31.0) Azm(260.4) TVD(6609.46) DLS(9.3)
#72 MD(6939.00) Inc(45.2) Azm(263.6) TVD(6684.03) DLS(15.1)
#73 MD(7035.00) Inc(59.4) Azm(266.6) TVD(6742.60) DLS(15.0)
#74 MD(7130.00) Inc(69.8) Azm(270.3) TVD(6783.30) DLS(11.5)
#159 MD(15240.00) Inc(89.8) Azm(271.3) TVD(6814.14) DLS(1.2)