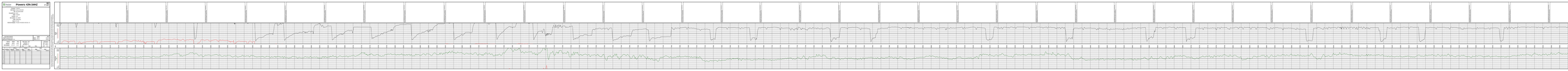

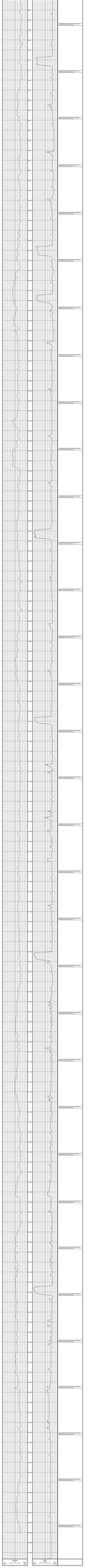

Powers #2N-34HZ

MD
5":100'

Precision Directional Services

Company: Anadarko
Well Name: Powers #2N-34HZ
API: 05123420210000
County/Parish: Weld
State: Colorado
Country: USA
Job number: GC-150027
Field: Wattenberg
Rig Id: PD 460
Survey Company: Precision Directional Services, Inc

Log measurements:
Depth measured from:
Maximum temperature: 218

	Depth	Date
Start:	1869 ft	9/24/15
End:	12712 ft	9/26/15

Casing	**Depth**	**Size**
Surface:	1869 ft	9 5/8"
Intermediate:	12712 ft	5 1/2"

Mud Type: OBM
Density: 9.5
Viscosity: 63
Rm:
Rmf:
Rmc:

Elevations
KB: 4946 ft
GL: 4926 ft
DF: 20 ft

Run	**Bit Size**	**Offsets**		**Depths**		**Dates**	
		Gamma	**Survey**	**Start**	**End**	**Start**	**End**
1	8 1/2"	49.00 ft	62.00 ft	1869 ft	12712 ft	9/24/15	9/26/15
2							
3							
4							
5							
6							
7							
8							
9							
10							

Precision Directional Services, Inc 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.

#64 MD(6066.00) Inc(0.9) Azm(352.5) TVD(5982.98)
VS(-540.76) NS(534.05) EW(-568.47)

#65 MD(6161.00) Inc(1.3) Azm(348.8) TVD(6077.96)
VS(-542.56) NS(535.84) EW(-568.78)

#66 MD(6255.00) Inc(1.2) Azm(336.1) TVD(6171.93)
VS(-544.55) NS(537.83) EW(-569.40)

#67 MD(6349.00) Inc(0.3) Azm(259.1) TVD(6265.93)
VS(-545.44) NS(538.71) EW(-570.02)

#68 MD(6444.00) Inc(0.6) Azm(240.5) TVD(6360.92)
VS(-545.15) NS(538.42) EW(-570.68)

#69 MD(6539.00) Inc(9.7) Azm(170.9) TVD(6455.46)
VS(-536.99) NS(530.27) EW(-569.86)

#70 MD(6633.00) Inc(19.7) Azm(166.7) TVD(6546.28)
VS(-513.67) NS(507.00) EW(-564.94)

#71 MD(6727.00) Inc(25.7) Azm(173.3) TVD(6632.98)
VS(-477.91) NS(471.31) EW(-558.93)

#72 MD(6823.00) Inc(32.5) Azm(179.7) TVD(6716.82)
VS(-431.34) NS(424.77) EW(-556.37)

#73 MD(6919.00) Inc(41.1) Azm(179.7) TVD(6793.57)
VS(-373.83) NS(367.25) EW(-556.05)

#74 MD(7014.00) Inc(48.5) Azm(179.0) TVD(6860.88)
VS(-306.88) NS(300.31) EW(-555.24)

#75 MD(7109.00) Inc(55.5) Azm(178.3) TVD(6919.32)
VS(-232.06) NS(225.51) EW(-553.42)

#76 MD(7204.00) Inc(63.6) Azm(178.8) TVD(6967.44)
VS(-150.25) NS(143.72) EW(-551.35)

#77 MD(7298.00) Inc(71.5) Azm(178.4) TVD(7003.33)
VS(-63.46) NS(56.94) EW(-549.26)

#78 MD(7392.00) Inc(80.4) Azm(179.0) TVD(7026.16)
VS(27.63) NS(-34.12) EW(-547.22)

#79 MD(7486.00) Inc(91.5) Azm(179.5) TVD(7032.78)
VS(121.24) NS(-127.73) EW(-545.98)

#80 MD(7580.00) Inc(91.3) Azm(180.4) TVD(7030.47)
VS(215.21) NS(-221.70) EW(-545.88)

#81 MD(7673.00) Inc(90.2) Azm(181.1) TVD(7029.25)
VS(308.17) NS(-314.68) EW(-547.07)

#82 MD(7767.00) Inc(91.9) Azm(180.6) TVD(7027.52)
VS(402.12) NS(-408.65) EW(-548.41)

#83 MD(7861.00) Inc(89.9) Azm(181.4) TVD(7026.08)
VS(496.06) NS(-502.62) EW(-550.05)

#84 MD(7956.00) Inc(88.3) Azm(180.4) TVD(7027.60)
VS(591.01) NS(-597.59) EW(-551.56)

#85 MD(8050.00) Inc(89.4) Azm(180.6) TVD(7029.47)
VS(684.97) NS(-691.57) EW(-552.33)

#86 MD(8143.00) Inc(91.2) Azm(180.2) TVD(7028.97)
VS(777.95) NS(-784.56) EW(-552.96)

#87 MD(8237.00) Inc(89.7) Azm(181.1) TVD(7028.25)
VS(871.91) NS(-878.55) EW(-554.02)

#88 MD(8332.00) Inc(90.8) Azm(181.4) TVD(7027.81)
VS(966.86) NS(-973.53) EW(-556.11)

#89 MD(8426.00) Inc(89.0) Azm(180.7) TVD(7027.95)
VS(1060.81) NS(-1067.50) EW(-557.89)

#90 MD(8519.00) Inc(91.1) Azm(182.1) TVD(7027.88)
VS(1153.74) NS(-1160.47) EW(-560.21)

#91 MD(8612.00) Inc(90.9) Azm(180.6) TVD(7026.24)
VS(1246.66) NS(-1253.42) EW(-562.40)

#92 MD(8706.00) Inc(88.1) Azm(180.2) TVD(7027.03)
VS(1340.63) NS(-1347.41) EW(-563.04)

#93 MD(8800.00) Inc(88.1) Azm(180.7) TVD(7030.13)
VS(1434.56) NS(-1441.35) EW(-563.81)

#94 MD(8893.00) Inc(89.0) Azm(181.6) TVD(7032.49)
VS(1527.48) NS(-1534.30) EW(-565.71)

#95 MD(8988.00) Inc(88.9) Azm(179.0) TVD(7034.24)
VS(1622.44) NS(-1629.28) EW(-566.19)

#96 MD(9084.00) Inc(89.0) Azm(179.7) TVD(7036.00)
VS(1718.43) NS(-1725.25) EW(-565.07)

#97 MD(9177.00) Inc(89.0) Azm(177.7) TVD(7037.64)
VS(1811.40) NS(-1818.21) EW(-562.98)

#98 MD(9272.00) Inc(91.7) Azm(177.0) TVD(7037.06)
VS(1906.34) NS(-1913.10) EW(-558.65)

#99 MD(9366.00) Inc(92.2) Azm(176.9) TVD(7033.90)
VS(2000.20) NS(-2006.92) EW(-553.66)

#100 MD(9461.00) Inc(90.8) Azm(177.2) TVD(7031.49)
VS(2095.10) NS(-2101.76) EW(-548.77)

#101 MD(9555.00) Inc(91.0) Azm(176.9) TVD(7030.05)
VS(2189.01) NS(-2195.62) EW(-543.92)

#102 MD(9649.00) Inc(91.1) Azm(176.3) TVD(7028.32) VS(2282.89) NS(-2289.44) EW(-538.36)

#103 MD(9743.00) Inc(90.4) Azm(177.9) TVD(7027.09) VS(2376.81) NS(-2383.31) EW(-533.65)

#104 MD(9836.00) Inc(89.8) Azm(177.6) TVD(7026.94) VS(2469.77) NS(-2476.24) EW(-529.99)

#105 MD(9931.00) Inc(89.9) Azm(177.4) TVD(7027.23) VS(2564.72) NS(-2571.14) EW(-525.81)

#106 MD(10026.00) Inc(89.2) Azm(176.9) TVD(7028.04) VS(2659.65) NS(-2666.02) EW(-521.06)

#107 MD(10120.00) Inc(88.5) Azm(179.5) TVD(7029.91) VS(2753.60) NS(-2759.95) EW(-518.08)

#108 MD(10215.00) Inc(91.2) Azm(179.7) TVD(7030.13) VS(2848.59) NS(-2854.94) EW(-517.40)

#109 MD(10310.00) Inc(91.6) Azm(179.5) TVD(7027.79) VS(2943.56) NS(-2949.90) EW(-516.72)

#110 MD(10404.00) Inc(91.5) Azm(179.9) TVD(7025.27) VS(3037.53) NS(-3043.87) EW(-516.19)

#111 MD(10497.00) Inc(91.5) Azm(179.9) TVD(7022.84) VS(3130.49) NS(-3136.84) EW(-515.95)

#112 MD(10592.00) Inc(92.4) Azm(179.7) TVD(7019.56) VS(3225.43) NS(-3231.78) EW(-515.56)

#113 MD(10685.00) Inc(89.6) Azm(179.2) TVD(7017.92) VS(3318.41) NS(-3324.75) EW(-514.61)

#114 MD(10778.00) Inc(90.0) Azm(179.0) TVD(7018.21) VS(3411.41) NS(-3417.74) EW(-513.09)

#115 MD(10872.00) Inc(90.3) Azm(178.8) TVD(7017.92) VS(3505.40) NS(-3511.72) EW(-511.27)

#116 MD(10966.00) Inc(91.2) Azm(178.8) TVD(7016.69) VS(3599.39) NS(-3605.69) EW(-509.30)

#117 MD(11060.00) Inc(89.0) Azm(179.0) TVD(7016.55) VS(3693.38) NS(-3699.66) EW(-507.48)

#118 MD(11153.00) Inc(89.3) Azm(178.6) TVD(7017.90) VS(3786.37) NS(-3792.63) EW(-505.53)

#119 MD(11247.00) Inc(90.3) Azm(178.4) TVD(7018.19) VS(3880.36) NS(-3886.60) EW(-503.13)

#120 MD(11341.00) Inc(90.6) Azm(178.6) TVD(7017.47) VS(3974.35) NS(-3980.57) EW(-500.73)

#121 MD(11435.00) Inc(90.7) Azm(177.7) TVD(7016.46) VS(4068.32) NS(-4074.51) EW(-497.74)

#122 MD(11529.00) Inc(88.9) Azm(179.2) TVD(7016.82) VS(4162.30) NS(-4168.47) EW(-495.19)

#123 MD(11623.00) Inc(89.3) Azm(178.6) TVD(7018.26) VS(4256.29) NS(-4262.44) EW(-493.36)

#124 MD(11717.00) Inc(89.2) Azm(178.6) TVD(7019.49) VS(4350.27) NS(-4356.41) EW(-491.10)

#125 MD(11811.00) Inc(89.2) Azm(179.0) TVD(7020.87) VS(4444.26) NS(-4450.38) EW(-489.13)

#126 MD(11905.00) Inc(89.2) Azm(179.2) TVD(7022.17) VS(4538.25) NS(-4544.36) EW(-487.59)

#127 MD(12000.00) Inc(89.6) Azm(178.8) TVD(7023.13) VS(4633.24) NS(-4639.34) EW(-485.90)

#128 MD(12092.00) Inc(89.2) Azm(178.8) TVD(7024.05) VS(4725.23) NS(-4731.31) EW(-483.97)

#129 MD(12185.00) Inc(90.2) Azm(181.3) TVD(7024.48) VS(4818.22) NS(-4824.30) EW(-484.02)

#130 MD(12278.00) Inc(91.5) Azm(182.0) TVD(7023.05) VS(4911.13) NS(-4917.25) EW(-486.63)

#131 MD(12370.00) Inc(91.7) Azm(182.3) TVD(7020.44) VS(5002.98) NS(-5009.15) EW(-490.06)

#132 MD(12463.00) Inc(91.4) Azm(182.0) TVD(7017.95) VS(5095.83) NS(-5102.05) EW(-493.54)

#133 MD(12555.00) Inc(90.9) Azm(182.5) TVD(7016.12) VS(5187.70) NS(-5193.96) EW(-497.11)

#134 MD(12647.00) Inc(91.3) Azm(181.4) TVD(7014.36) VS(5279.58) NS(-5285.89) EW(-500.26)