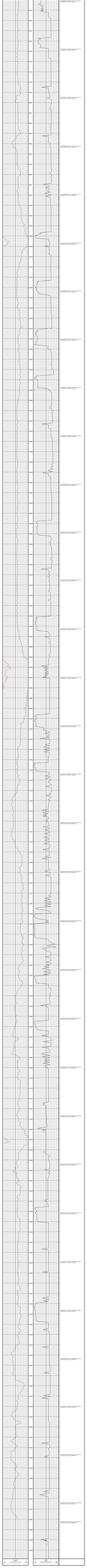

Precision Directional Services

Docheff 34N-13HZ

MD
5":100'

Company: Anadarko Petroleum Corp.
Well Name: Docheff 34N-13HZ
API: 05123405880000
County/Parish: Weld County
State: Colorado
Country: USA
Job number: GC-160032
Field: Wattenberg
Rig Id: PD 461
Survey Company: Precision Directional Services Inc.

Log measurements: GR, ROP
Depth measured from:
Maximum temperature: 214.7

	Depth	Date
Start:	0 ft	04/15/2016
End:	12637 ft	04/25/2016

Casing	Depth	Size
Surface:	1905 ft	9 5/8"
Intermediate:	12637 ft	5 1/2"

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

Elevations
KB: 4958 ft
GL: 4938 ft
DF: 20 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	13 1/2"		60.00 ft	0 ft	1905 ft	4/15/16	4/15/16
2	8 1/2"	67.00 ft	68.00 ft	1905 ft	12637 ft	4/23/16	4/25/16
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4							
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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.

#63 MD(6041.00) Inc(13.1) Azm(242.7) TVD(5788.85) VS(-1431.87) N/-S(-766.60) E/-W(-1431.87)
#64 MD(6135.00) Inc(12.0) Azm(242.4) TVD(5880.60) VS(-1450.02) N/-S(-776.01) E/-W(-1450.02)
#65 MD(6230.00) Inc(9.9) Azm(239.8) TVD(5973.87) VS(-1465.82) N/-S(-784.70) E/-W(-1465.82)
#66 MD(6324.00) Inc(7.3) Azm(242.2) TVD(6066.80) VS(-1478.07) N/-S(-791.54) E/-W(-1478.07)
#67 MD(6418.00) Inc(5.7) Azm(236.9) TVD(6160.19) VS(-1487.29) N/-S(-796.89) E/-W(-1487.29)
#68 MD(6510.00) Inc(4.3) Azm(243.3) TVD(6251.84) VS(-1494.25) N/-S(-800.97) E/-W(-1494.25)
#69 MD(6604.00) Inc(2.2) Azm(260.6) TVD(6345.68) VS(-1499.22) N/-S(-802.87) E/-W(-1499.22)
#70 MD(6698.00) Inc(1.5) Azm(295.9) TVD(6439.63) VS(-1502.10) N/-S(-802.64) E/-W(-1502.10)
#71 MD(6791.00) Inc(6.2) Azm(51.7) TVD(6532.46) VS(-1499.26) N/-S(-799.03) E/-W(-1499.26)
#72 MD(6884.00) Inc(22.4) Azm(63.1) TVD(6622.31) VS(-1479.45) N/-S(-787.85) E/-W(-1479.45)
#73 MD(6978.00) Inc(30.6) Azm(69.8) TVD(6706.41) VS(-1441.00) N/-S(-771.46) E/-W(-1441.00)
#74 MD(7071.00) Inc(31.5) Azm(78.0) TVD(6786.11) VS(-1394.99) N/-S(-758.24) E/-W(-1394.99)
#75 MD(7164.00) Inc(43.2) Azm(88.9) TVD(6859.98) VS(-1339.12) N/-S(-752.56) E/-W(-1339.12)
#76 MD(7256.00) Inc(46.1) Azm(91.5) TVD(6925.43) VS(-1274.48) N/-S(-752.81) E/-W(-1274.48)
#77 MD(7350.00) Inc(45.0) Azm(94.0) TVD(6991.24) VS(-1207.44) N/-S(-756.01) E/-W(-1207.44)
#78 MD(7445.00) Inc(51.0) Azm(94.4) TVD(7054.74) VS(-1137.04) N/-S(-761.18) E/-W(-1137.04)
#79 MD(7539.00) Inc(60.8) Azm(91.9) TVD(7107.41) VS(-1059.43) N/-S(-765.32) E/-W(-1059.43)
#80 MD(7633.00) Inc(71.3) Azm(87.7) TVD(7145.55) VS(-973.68) N/-S(-764.86) E/-W(-973.68)
#81 MD(7725.00) Inc(82.5) Azm(87.9) TVD(7166.36) VS(-884.28) N/-S(-761.43) E/-W(-884.28)
#82 MD(7820.00) Inc(88.7) Azm(90.3) TVD(7173.66) VS(-789.62) N/-S(-759.99) E/-W(-789.62)
#83 MD(7913.00) Inc(92.1) Azm(92.1) TVD(7173.04) VS(-696.66) N/-S(-761.95) E/-W(-696.66)
#84 MD(8007.00) Inc(92.4) Azm(91.1) TVD(7169.33) VS(-602.78) N/-S(-764.55) E/-W(-602.78)
#85 MD(8101.00) Inc(91.2) Azm(90.3) TVD(7166.36) VS(-508.83) N/-S(-765.73) E/-W(-508.83)
#86 MD(8194.00) Inc(89.8) Azm(90.5) TVD(7165.58) VS(-415.84) N/-S(-766.44) E/-W(-415.84)
#87 MD(8289.00) Inc(89.0) Azm(90.7) TVD(7166.58) VS(-320.85) N/-S(-767.50) E/-W(-320.85)
#88 MD(8381.00) Inc(90.6) Azm(91.4) TVD(7166.87) VS(-228.87) N/-S(-769.24) E/-W(-228.87)
#89 MD(8474.00) Inc(89.9) Azm(90.0) TVD(7166.44) VS(-135.88) N/-S(-770.41) E/-W(-135.88)
#90 MD(8568.00) Inc(88.8) Azm(88.7) TVD(7167.47) VS(-41.90) N/-S(-769.32) E/-W(-41.90)
#91 MD(8661.00) Inc(89.9) Azm(89.0) TVD(7168.47) VS(51.07) N/-S(-767.47) E/-W(51.07)
#92 MD(8756.00) Inc(89.2) Azm(89.8) TVD(7169.21) VS(146.07) N/-S(-766.50) E/-W(146.07)
#93 MD(8851.00) Inc(88.5) Azm(90.7) TVD(7171.15) VS(241.04) N/-S(-766.91) E/-W(241.04)
#94 MD(8944.00) Inc(89.7) Azm(91.1) TVD(7172.61) VS(334.02) N/-S(-768.40) E/-W(334.02)
#95 MD(9038.00) Inc(90.0) Azm(91.4) TVD(7172.83) VS(427.99) N/-S(-770.45) E/-W(427.99)
#96 MD(9132.00) Inc(88.8) Azm(90.8) TVD(7173.79) VS(521.97) N/-S(-772.28) E/-W(521.97)
#97 MD(9226.00) Inc(89.8) Azm(91.1) TVD(7174.88) VS(615.95) N/-S(-773.87) E/-W(615.95)
#98 MD(9321.00) Inc(89.3) Azm(91.0) TVD(7175.57) VS(710.93) N/-S(-775.63) E/-W(710.93)
#99 MD(9416.00) Inc(90.1) Azm(90.1) TVD(7176.01) VS(805.92) N/-S(-776.56) E/-W(805.92)
#100 MD(9508.00) Inc(90.5) Azm(91.1) TVD(7175.52) VS(897.92) N/-S(-777.52) E/-W(897.92)
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#101 MD(9602.00) Inc(89.2) Azm(91.0) TVD(7175.77)
VS(991.90) N/-S(-779.25) E/-W(991.90)

#102 MD(9697.00) Inc(88.4) Azm(89.9) TVD(7177.72)
VS(1086.87) N/-S(-780.02) E/-W(1086.87)

#103 MD(9791.00) Inc(89.5) Azm(89.9) TVD(7179.42)
VS(1180.85) N/-S(-779.85) E/-W(1180.85)

#104 MD(9886.00) Inc(90.5) Azm(89.9) TVD(7179.46)
VS(1275.85) N/-S(-779.66) E/-W(1275.85)

#105 MD(9980.00) Inc(91.7) Azm(89.9) TVD(7177.73)
VS(1369.84) N/-S(-779.51) E/-W(1369.84)

#106 MD(10075.00) Inc(92.4) Azm(90.1) TVD(7174.36)
VS(1464.78) N/-S(-779.52) E/-W(1464.78)

#107 MD(10168.00) Inc(92.7) Azm(89.7) TVD(7170.19)
VS(1557.68) N/-S(-779.34) E/-W(1557.68)

#108 MD(10262.00) Inc(90.7) Azm(90.2) TVD(7167.37)
VS(1651.63) N/-S(-779.30) E/-W(1651.63)

#109 MD(10356.00) Inc(88.2) Azm(90.0) TVD(7168.23)
VS(1745.62) N/-S(-779.54) E/-W(1745.62)

#110 MD(10450.00) Inc(88.9) Azm(90.0) TVD(7170.59)
VS(1839.59) N/-S(-779.58) E/-W(1839.59)

#111 MD(10545.00) Inc(89.7) Azm(89.9) TVD(7171.76)
VS(1934.58) N/-S(-779.47) E/-W(1934.58)

#112 MD(10638.00) Inc(88.3) Azm(89.7) TVD(7173.35)
VS(2027.57) N/-S(-779.09) E/-W(2027.57)

#113 MD(10731.00) Inc(89.2) Azm(89.8) TVD(7175.31)
VS(2120.54) N/-S(-778.71) E/-W(2120.54)

#114 MD(10826.00) Inc(88.3) Azm(91.2) TVD(7177.36)
VS(2215.52) N/-S(-779.61) E/-W(2215.52)

#115 MD(10921.00) Inc(88.9) Azm(91.2) TVD(7179.69)
VS(2310.46) N/-S(-781.62) E/-W(2310.46)

#116 MD(11015.00) Inc(88.0) Azm(90.5) TVD(7182.24)
VS(2404.42) N/-S(-782.97) E/-W(2404.42)

#117 MD(11109.00) Inc(88.2) Azm(89.7) TVD(7185.38)
VS(2498.37) N/-S(-783.06) E/-W(2498.37)

#118 MD(11204.00) Inc(89.2) Azm(89.5) TVD(7187.58)
VS(2593.34) N/-S(-782.34) E/-W(2593.34)

#119 MD(11299.00) Inc(90.2) Azm(90.0) TVD(7188.15)
VS(2688.33) N/-S(-781.90) E/-W(2688.33)

#120 MD(11395.00) Inc(90.8) Azm(89.7) TVD(7187.38)
VS(2784.33) N/-S(-781.64) E/-W(2784.33)

#121 MD(11490.00) Inc(89.0) Azm(89.1) TVD(7187.58)
VS(2879.32) N/-S(-780.63) E/-W(2879.32)

#122 MD(11585.00) Inc(88.1) Azm(88.8) TVD(7189.97)
VS(2974.27) N/-S(-778.92) E/-W(2974.27)

#123 MD(11680.00) Inc(87.6) Azm(89.0) TVD(7193.51)
VS(3069.19) N/-S(-777.12) E/-W(3069.19)

#124 MD(11775.00) Inc(88.7) Azm(89.2) TVD(7196.59)
VS(3164.13) N/-S(-775.65) E/-W(3164.13)

#125 MD(11869.00) Inc(90.1) Azm(89.2) TVD(7197.59)
VS(3258.11) N/-S(-774.36) E/-W(3258.11)

#126 MD(11964.00) Inc(90.5) Azm(90.5) TVD(7197.12)
VS(3353.11) N/-S(-774.15) E/-W(3353.11)

#127 MD(12059.00) Inc(89.7) Azm(90.9) TVD(7196.99)
VS(3448.10) N/-S(-775.39) E/-W(3448.10)

#128 MD(12154.00) Inc(88.7) Azm(90.9) TVD(7198.31)
VS(3543.07) N/-S(-776.94) E/-W(3543.07)

#129 MD(12248.00) Inc(87.2) Azm(90.8) TVD(7201.64)
VS(3637.00) N/-S(-778.37) E/-W(3637.00)

#130 MD(12341.00) Inc(88.3) Azm(91.1) TVD(7205.25)
VS(3729.92) N/-S(-779.92) E/-W(3729.92)

#131 MD(12435.00) Inc(89.0) Azm(91.6) TVD(7207.44)
VS(3823.86) N/-S(-782.17) E/-W(3823.86)

#132 MD(12529.00) Inc(90.2) Azm(91.6) TVD(7208.09)
VS(3917.82) N/-S(-784.82) E/-W(3917.82)

#133 MD(12566.00) Inc(90.7) Azm(91.5) TVD(7207.81)
VS(3954.81) N/-S(-785.82) E/-W(3954.81)