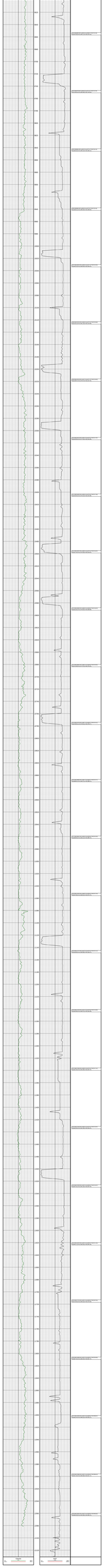

Precision
Directional Services

RMF 31N-15HZ

MD
5":100'

Company: Anadarko Petroleum Corp.
Well Name: RMF 31N-15HZ
API: 05-123-39208000
County/Parish: Weld County
State: Colorado
Country: USA
Job number: GC-160005
Field: Wattenburg
Rig Id: Precision Drilling 461
Survey Company: Precision Directional Services Inc.

Log measurements: GR, ROP
Depth measured from:
Maximum temperature: 219

	Depth	Date
Start:	1896 ft	02/16/2016
End:	12130 ft	02/19/2016

Casing	Depth	Size
Surface:	1896 ft	9 5/8"
Intermediate:	12130 ft	5 1/2"

Mud Type: OBM
Density: 9.5
Viscosity: 62
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4990 ft
GL: 4970 ft
DF: 20 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	7 7/8"	52.00 ft	65.00 ft	1896 ft	12130 ft	02/16/2016	02/19/2016
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.

#65 MD(6065.00) Inc(4.8) Azm(116.6) TVD(5945.02)
VS(-1041.11) N/-S(-485.23) E/-W(1041.28)

#66 MD(6159.00) Inc(3.3) Azm(114.7) TVD(6038.78)
VS(-1047.08) N/-S(-488.12) E/-W(1047.25)

#67 MD(6254.00) Inc(2.4) Azm(109.6) TVD(6133.66)
VS(-1051.44) N/-S(-489.93) E/-W(1051.61)

#68 MD(6348.00) Inc(1.5) Azm(116.3) TVD(6227.61)
VS(-1054.37) N/-S(-491.13) E/-W(1054.54)

#69 MD(6443.00) Inc(0.7) Azm(168.5) TVD(6322.59)
VS(-1055.59) N/-S(-492.24) E/-W(1055.76)

#70 MD(6537.00) Inc(0.6) Azm(176.0) TVD(6416.58)
VS(-1055.74) N/-S(-493.31) E/-W(1055.91)

#71 MD(6631.00) Inc(9.6) Azm(264.3) TVD(6510.14)
VS(-1047.98) N/-S(-494.60) E/-W(1048.15)

#72 MD(6726.00) Inc(19.7) Azm(272.0) TVD(6601.95)
VS(-1024.04) N/-S(-494.83) E/-W(1024.22)

#73 MD(6821.00) Inc(26.1) Azm(274.8) TVD(6689.41)
VS(-987.16) N/-S(-492.51) E/-W(987.34)

#74 MD(6915.00) Inc(31.8) Azm(269.6) TVD(6771.62)
VS(-941.71) N/-S(-490.96) E/-W(941.89)

#75 MD(7010.00) Inc(38.5) Azm(268.3) TVD(6849.24)
VS(-887.04) N/-S(-492.03) E/-W(887.21)

#76 MD(7104.00) Inc(46.6) Azm(269.0) TVD(6918.43)
VS(-823.54) N/-S(-493.48) E/-W(823.71)

#77 MD(7196.00) Inc(54.3) Azm(269.2) TVD(6976.99)
VS(-752.68) N/-S(-494.59) E/-W(752.85)

#78 MD(7290.00) Inc(60.4) Azm(269.4) TVD(7027.70)
VS(-673.59) N/-S(-495.57) E/-W(673.76)

#79 MD(7385.00) Inc(68.9) Azm(269.0) TVD(7068.30)
VS(-587.81) N/-S(-496.79) E/-W(587.98)

#80 MD(7480.00) Inc(76.7) Azm(268.3) TVD(7096.35)
VS(-497.14) N/-S(-498.91) E/-W(497.32)

#81 MD(7575.00) Inc(84.2) Azm(268.8) TVD(7112.16)
VS(-403.57) N/-S(-501.24) E/-W(403.74)

#82 MD(7669.00) Inc(87.9) Azm(269.4) TVD(7118.65)
VS(-309.82) N/-S(-502.70) E/-W(309.99)

#83 MD(7764.00) Inc(88.2) Azm(269.7) TVD(7121.86)
VS(-214.88) N/-S(-503.45) E/-W(215.05)

#84 MD(7857.00) Inc(88.6) Azm(272.2) TVD(7124.42)
VS(-121.93) N/-S(-501.91) E/-W(122.11)

#85 MD(7951.00) Inc(88.7) Azm(272.2) TVD(7126.59)
VS(-28.03) N/-S(-498.34) E/-W(28.20)

#86 MD(8045.00) Inc(88.8) Azm(272.5) TVD(7128.61)
VS(65.87) N/-S(-494.48) E/-W(-65.70)

#87 MD(8140.00) Inc(89.8) Azm(271.2) TVD(7129.78)
VS(160.81) N/-S(-491.34) E/-W(-160.64)

#88 MD(8235.00) Inc(90.7) Azm(272.2) TVD(7129.42)
VS(255.76) N/-S(-488.50) E/-W(-255.59)

#89 MD(8330.00) Inc(88.9) Azm(271.3) TVD(7129.78)
VS(350.71) N/-S(-485.62) E/-W(-350.54)

#90 MD(8425.00) Inc(88.8) Azm(269.7) TVD(7131.68)
VS(445.69) N/-S(-484.77) E/-W(-445.52)

#91 MD(8520.00) Inc(88.9) Azm(269.7) TVD(7133.58)
VS(540.67) N/-S(-485.24) E/-W(-540.50)

#92 MD(8615.00) Inc(89.3) Azm(269.4) TVD(7135.04)
VS(635.65) N/-S(-485.99) E/-W(-635.48)

#93 MD(8710.00) Inc(90.1) Azm(268.7) TVD(7135.48)
VS(730.64) N/-S(-487.61) E/-W(-730.47)

#94 MD(8805.00) Inc(89.8) Azm(268.0) TVD(7135.55)
VS(825.60) N/-S(-490.41) E/-W(-825.42)

#95 MD(8900.00) Inc(91.9) Azm(269.7) TVD(7134.17)
VS(920.56) N/-S(-492.33) E/-W(-920.39)

#96 MD(8994.00) Inc(91.7) Azm(269.7) TVD(7131.22)
VS(1014.51) N/-S(-492.79) E/-W(-1014.34)

#97 MD(9088.00) Inc(91.7) Azm(269.4) TVD(7128.41)
VS(1108.47) N/-S(-493.54) E/-W(-1108.29)

#98 MD(9183.00) Inc(90.8) Azm(269.7) TVD(7126.30)
VS(1203.44) N/-S(-494.29) E/-W(-1203.27)

#99 MD(9279.00) Inc(90.6) Azm(269.4) TVD(7125.12)
VS(1299.43) N/-S(-495.05) E/-W(-1299.26)

#100 MD(9373.00) Inc(90.3) Azm(268.8) TVD(7124.39)
VS(1393.41) N/-S(-496.52) E/-W(-1393.24)

#101 MD(9467.00) Inc(90.7) Azm(271.1) TVD(7123.60)
VS(1487.40) N/-S(-496.55) E/-W(-1487.23)

#102 MD(9560.00) Inc(90.9) Azm(271.3) TVD(7122.32)
VS(1580.37) N/-S(-494.57) E/-W(-1580.20)

#103 MD(9655.00) Inc(89.9) Azm(269.2) TVD(7121.66)
VS(1675.36) N/-S(-494.17) E/-W(-1675.19)

#104 MD(9749.00) Inc(89.8) Azm(271.6) TVD(7121.95)
VS(1769.35) N/-S(-493.48) E/-W(-1769.18)

#105 MD(9844.00) Inc(90.0) Azm(272.4) TVD(7122.10)
VS(1864.29) N/-S(-490.15) E/-W(-1864.12)

#106 MD(9940.00) Inc(89.6) Azm(272.0) TVD(7122.40)
VS(1960.22) N/-S(-486.49) E/-W(-1960.05)

#107 MD(10032.00) Inc(90.8) Azm(271.3) TVD(7122.05)
VS(2052.18) N/-S(-483.84) E/-W(-2052.01)

#108 MD(10125.00) Inc(90.8) Azm(272.0) TVD(7120.68)
VS(2145.13) N/-S(-481.15) E/-W(-2144.96)

#109 MD(10218.00) Inc(91.2) Azm(271.3) TVD(7119.03)
VS(2238.07) N/-S(-478.47) E/-W(-2237.91)

#110 MD(10313.00) Inc(90.2) Azm(270.4) TVD(7117.87)
VS(2333.05) N/-S(-477.04) E/-W(-2332.89)

#111 MD(10405.00) Inc(90.8) Azm(270.6) TVD(7117.09)
VS(2425.04) N/-S(-476.22) E/-W(-2424.88)

#112 MD(10497.00) Inc(89.5) Azm(270.4) TVD(7116.87)
VS(2517.04) N/-S(-475.40) E/-W(-2516.87)

#113 MD(10590.00) Inc(88.8) Azm(268.8) TVD(7118.23)
VS(2610.02) N/-S(-476.00) E/-W(-2609.86)

#114 MD(10682.00) Inc(88.3) Azm(268.8) TVD(7120.55)
VS(2701.98) N/-S(-477.87) E/-W(-2701.81)

#115 MD(10776.00) Inc(89.7) Azm(268.7) TVD(7122.21)
VS(2795.94) N/-S(-479.91) E/-W(-2795.77)

#116 MD(10869.00) Inc(89.7) Azm(268.7) TVD(7122.71)
VS(2888.91) N/-S(-482.07) E/-W(-2888.74)

#117 MD(10961.00) Inc(90.8) Azm(269.9) TVD(7122.29)
VS(2980.90) N/-S(-483.21) E/-W(-2980.73)

#118 MD(11054.00) Inc(89.8) Azm(269.4) TVD(7121.78)
VS(3073.90) N/-S(-483.81) E/-W(-3073.73)

#119 MD(11147.00) Inc(91.0) Azm(270.4) TVD(7121.14)
VS(3166.89) N/-S(-483.98) E/-W(-3166.72)

#120 MD(11243.00) Inc(91.5) Azm(270.8) TVD(7119.08)
VS(3262.86) N/-S(-482.97) E/-W(-3262.69)

#121 MD(11338.00) Inc(90.6) Azm(270.4) TVD(7117.41)
VS(3357.84) N/-S(-481.98) E/-W(-3357.67)

#122 MD(11433.00) Inc(90.0) Azm(270.4) TVD(7116.97)
VS(3452.84) N/-S(-481.28) E/-W(-3452.67)

#123 MD(11528.00) Inc(92.3) Azm(269.4) TVD(7115.07)
VS(3547.81) N/-S(-481.45) E/-W(-3547.64)

#124 MD(11622.00) Inc(92.3) Azm(269.2) TVD(7111.25)
VS(3641.72) N/-S(-482.64) E/-W(-3641.56)

#125 MD(11715.00) Inc(92.2) Azm(268.5) TVD(7107.54)
VS(3734.63) N/-S(-484.52) E/-W(-3734.46)

#126 MD(11808.00) Inc(92.3) Azm(269.2) TVD(7103.83)
VS(3827.54) N/-S(-486.40) E/-W(-3827.37)

#127 MD(11903.00) Inc(92.3) Azm(268.5) TVD(7099.97)
VS(3922.44) N/-S(-488.32) E/-W(-3922.27)

#128 MD(11998.00) Inc(92.2) Azm(269.0) TVD(7096.18)
VS(4017.34) N/-S(-490.38) E/-W(-4017.17)

#129 MD(12062.00) Inc(92.3) Azm(268.8) TVD(7093.63)
VS(4081.28) N/-S(-491.58) E/-W(-4081.11)