ENSIGN

Harold 6X-202

MD
2":100'

Company: Petroleum Development Corp.
Well Name: Harold 6X-202
API: 05123457400
County/Parish: Weld
State: Colorado
Country: United States
Job number: 161-153
Field: Wattenburg
Rig Id: Ensign 161
Survey Company: Ensign
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: Ryan Prue
Night MWD: Chad Anderson

Log measurements: Gamma, ROP
Depth measured from: 1655 ft
Maximum temperature: 245.5

	Depth	Date
Start:	0 ft	11-30-2018
End:	17632 ft	12-6-2018

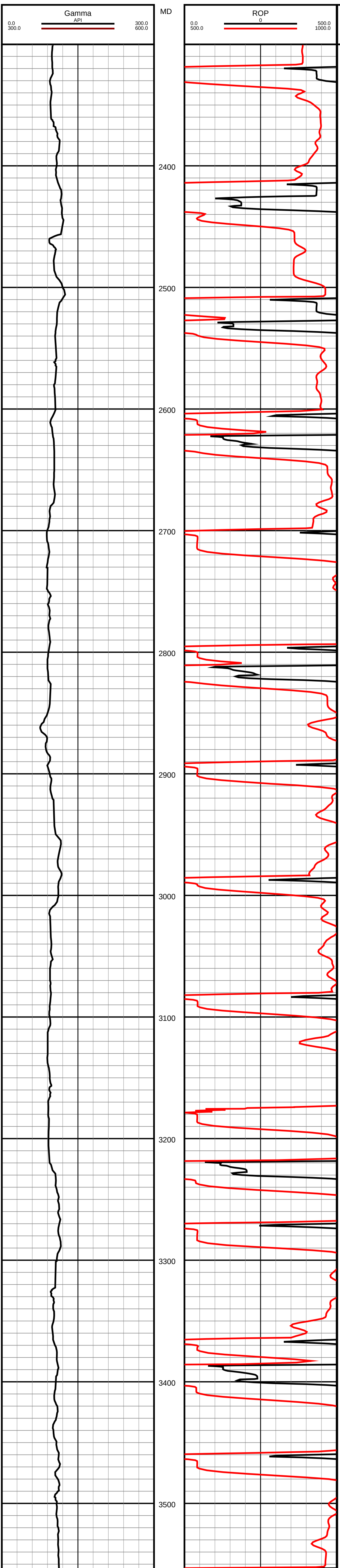
Casing	Depth	Size
Surface:	1664 ft	9 5/8"
Intermediate:		

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

Elevations
KB: 23 ft
GL: 4788 ft
DF: 4811 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.25"		70.00 ft	0 ft	1655 ft	11-30-2018	12-1-2018
2	8.5"	62.95 ft	58.12 ft	1655 ft	7575 ft	12-2-2018	12-3-2018
3	8.5"	62.81 ft	57.98 ft	7575 ft	17632 ft	12-4-2018	12-6-2018
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.



#24 MD(2351.00) Inc(12.8) Azm(0.7) TVD(2331.88) VS(3.42) N/-S(204.16) E/-W(-11.38)

#25 MD(2446.00) Inc(13.9) Azm(358.8) TVD(2424.32) VS(4.90) N/-S(226.08) E/-W(-11.49)

#26 MD(2541.00) Inc(14.0) Azm(356.2) TVD(2516.53) VS(5.55) N/-S(248.91) E/-W(-12.49)

#27 MD(2636.00) Inc(13.7) Azm(349.4) TVD(2608.77) VS(4.34) N/-S(271.44) E/-W(-15.34)

#28 MD(2731.00) Inc(13.4) Azm(349.4) TVD(2701.11) VS(1.82) N/-S(293.38) E/-W(-19.46)

#29 MD(2826.00) Inc(12.1) Azm(347.3) TVD(2793.76) VS(-0.90) N/-S(313.94) E/-W(-23.69)

#30 MD(2922.00) Inc(12.1) Azm(346.6) TVD(2887.64) VS(-4.00) N/-S(333.50) E/-W(-28.20)

#31 MD(3017.00) Inc(11.2) Azm(346.0) TVD(2980.68) VS(-7.17) N/-S(352.13) E/-W(-32.74)

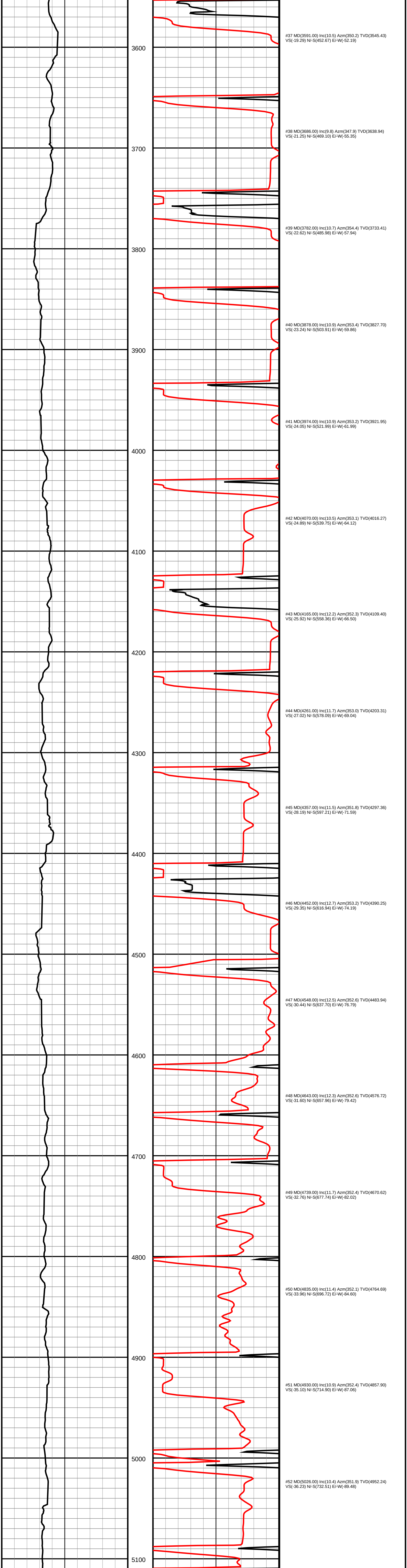
#32 MD(3113.00) Inc(10.6) Azm(345.7) TVD(3074.94) VS(-10.34) N/-S(369.76) E/-W(-37.20)

#33 MD(3208.00) Inc(10.4) Azm(345.2) TVD(3168.35) VS(-13.47) N/-S(386.54) E/-W(-41.56)

#34 MD(3304.00) Inc(10.3) Azm(347.9) TVD(3262.78) VS(-16.27) N/-S(403.34) E/-W(-45.58)

#35 MD(3400.00) Inc(10.1) Azm(354.8) TVD(3357.26) VS(-17.61) N/-S(420.16) E/-W(-48.15)

#36 MD(3495.00) Inc(9.4) Azm(353.4) TVD(3450.87) VS(-18.10) N/-S(436.23) E/-W(-49.80)



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#38 MD(3686.00) Inc(9.8) Azm(347.9) TVD(3638.94)
VS(-21.25) N/-S(469.10) E/-W(-55.35)

#39 MD(3782.00) Inc(10.7) Azm(354.4) TVD(3733.41)
VS(-22.62) N/-S(485.98) E/-W(-57.94)

#40 MD(3878.00) Inc(10.9) Azm(353.4) TVD(3827.70)
VS(-23.24) N/-S(503.91) E/-W(-59.86)

#41 MD(3974.00) Inc(10.9) Azm(353.2) TVD(3921.95)
VS(-24.05) N/-S(521.99) E/-W(-61.99)

#42 MD(4070.00) Inc(10.5) Azm(353.1) TVD(4016.27)
VS(-24.89) N/-S(539.75) E/-W(-64.12)

#43 MD(4165.00) Inc(12.2) Azm(352.3) TVD(4109.40)
VS(-25.92) N/-S(558.36) E/-W(-66.50)

#44 MD(4261.00) Inc(11.7) Azm(353.0) TVD(4203.31)
VS(-27.02) N/-S(578.09) E/-W(-69.04)

#45 MD(4357.00) Inc(11.5) Azm(351.8) TVD(4297.36)
VS(-28.19) N/-S(597.21) E/-W(-71.59)

#46 MD(4452.00) Inc(12.7) Azm(353.2) TVD(4390.25)
VS(-29.35) N/-S(616.94) E/-W(-74.19)

#47 MD(4548.00) Inc(12.5) Azm(352.6) TVD(4483.94)
VS(-30.44) N/-S(637.70) E/-W(-76.79)

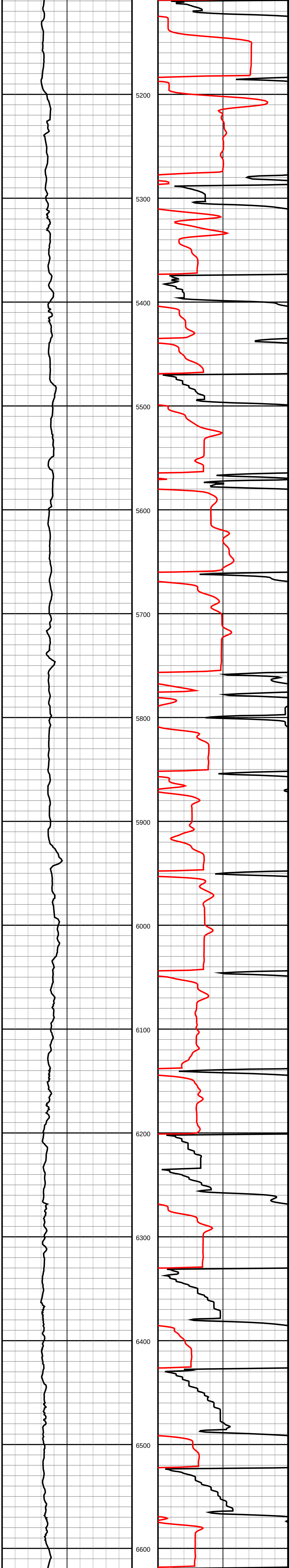
#48 MD(4643.00) Inc(12.3) Azm(352.6) TVD(4576.72)
VS(-31.60) N/-S(657.96) E/-W(-79.42)

#49 MD(4739.00) Inc(11.7) Azm(352.4) TVD(4670.62)
VS(-32.76) N/-S(677.74) E/-W(-82.02)

#50 MD(4835.00) Inc(11.4) Azm(352.1) TVD(4764.69)
VS(-33.96) N/-S(696.72) E/-W(-84.60)

#51 MD(4930.00) Inc(10.9) Azm(352.4) TVD(4857.90)
VS(-35.10) N/-S(714.90) E/-W(-87.06)

#52 MD(5026.00) Inc(10.4) Azm(351.9) TVD(4952.24)
VS(-36.23) N/-S(732.51) E/-W(-89.48)



#53 MD(5122.00) Inc(8.8) Azm(350.1) TVD(5046.88)
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#54 MD(5217.00) Inc(8.5) Azm(348.4) TVD(5140.79)
VS(-39.20) N/-S(762.50) E/-W(-94.63)

#55 MD(5313.00) Inc(5.8) Azm(344.7) TVD(5236.04)
VS(-41.05) N/-S(774.12) E/-W(-97.33)

#56 MD(5409.00) Inc(3.9) Azm(337.4) TVD(5331.69)
VS(-43.02) N/-S(781.79) E/-W(-99.86)

#57 MD(5505.00) Inc(1.0) Azm(171.3) TVD(5427.63)
VS(-43.99) N/-S(783.99) E/-W(-100.99)

#58 MD(5600.00) Inc(0.8) Azm(145.4) TVD(5522.62)
VS(-43.60) N/-S(782.65) E/-W(-100.50)

#59 MD(5696.00) Inc(0.7) Azm(124.3) TVD(5618.61)
VS(-42.82) N/-S(781.79) E/-W(-99.66)

#60 MD(5792.00) Inc(0.4) Azm(151.1) TVD(5714.61)
VS(-42.21) N/-S(781.14) E/-W(-99.00)

#61 MD(5888.00) Inc(0.4) Azm(182.7) TVD(5810.60)
VS(-42.09) N/-S(780.52) E/-W(-98.84)

#62 MD(5984.00) Inc(0.4) Azm(170.5) TVD(5906.60)
VS(-42.10) N/-S(779.88) E/-W(-98.80)

#63 MD(6080.00) Inc(0.3) Azm(186.3) TVD(6002.60)
VS(-42.12) N/-S(779.25) E/-W(-98.77)

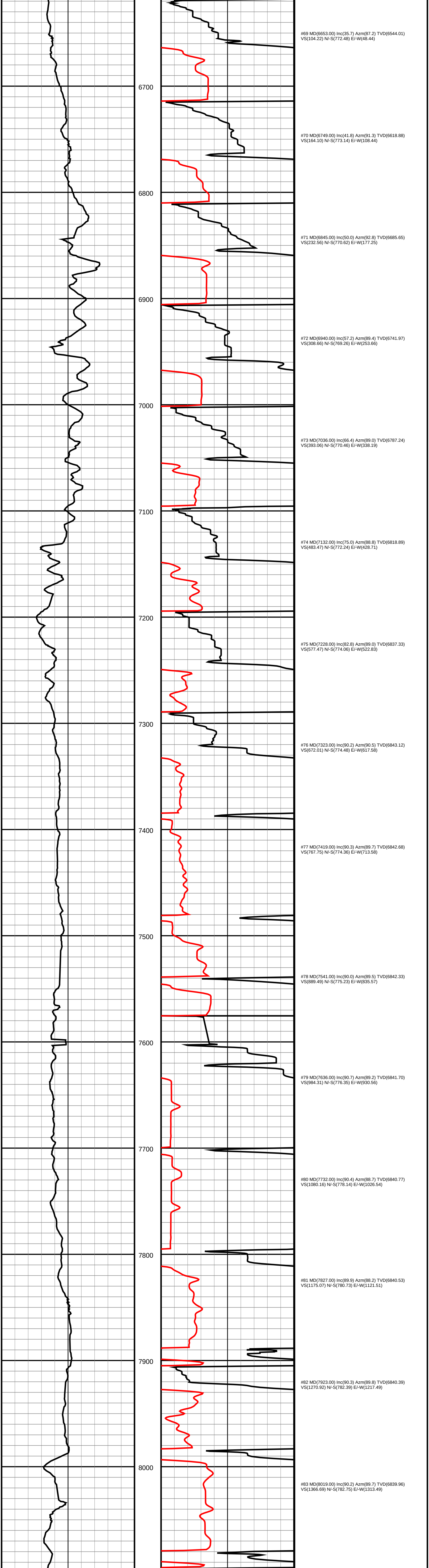
#64 MD(6175.00) Inc(0.2) Azm(178.0) TVD(6097.60)
VS(-42.18) N/-S(778.79) E/-W(-98.80)

#65 MD(6270.00) Inc(8.7) Azm(98.2) TVD(6192.23) VS(-35.13)
N/-S(777.58) E/-W(-91.64)

#66 MD(6366.00) Inc(13.4) Azm(94.5) TVD(6286.41)
VS(-16.97) N/-S(775.66) E/-W(-73.30)

#67 MD(6461.00) Inc(21.1) Azm(95.5) TVD(6377.07) VS(10.82)
N/-S(773.16) E/-W(-45.25)

#68 MD(6557.00) Inc(30.3) Azm(90.5) TVD(6463.51) VS(52.06)
N/-S(771.31) E/-W(-3.77)



#69 MD(6653.00) Inc(35.7) Azm(87.2) TVD(6544.01)
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#70 MD(6749.00) Inc(41.8) Azm(91.3) TVD(6618.88)
VS(164.10) N/-S(773.14) E/-W(108.44)

#71 MD(6845.00) Inc(50.0) Azm(92.8) TVD(6685.65)
VS(232.56) N/-S(770.62) E/-W(177.25)

#72 MD(6940.00) Inc(57.2) Azm(89.4) TVD(6741.97)
VS(308.66) N/-S(769.26) E/-W(253.66)

#73 MD(7036.00) Inc(66.4) Azm(89.0) TVD(6787.24)
VS(393.06) N/-S(770.46) E/-W(338.19)

#74 MD(7132.00) Inc(75.0) Azm(88.8) TVD(6818.89)
VS(483.47) N/-S(772.24) E/-W(428.71)

#75 MD(7228.00) Inc(82.8) Azm(89.0) TVD(6837.33)
VS(577.47) N/-S(774.06) E/-W(522.83)

#76 MD(7323.00) Inc(90.2) Azm(90.5) TVD(6843.12)
VS(672.01) N/-S(774.48) E/-W(617.58)

#77 MD(7419.00) Inc(90.3) Azm(89.7) TVD(6842.68)
VS(767.75) N/-S(774.36) E/-W(713.58)

#78 MD(7541.00) Inc(90.0) Azm(89.5) TVD(6842.33)
VS(889.49) N/-S(775.23) E/-W(835.57)

#79 MD(7636.00) Inc(90.7) Azm(89.2) TVD(6841.70)
VS(984.31) N/-S(776.35) E/-W(930.56)

#80 MD(7732.00) Inc(90.4) Azm(88.7) TVD(6840.77)
VS(1080.16) N/-S(778.14) E/-W(1026.54)

#81 MD(7827.00) Inc(89.9) Azm(88.2) TVD(6840.53)
VS(1175.07) N/-S(780.73) E/-W(1121.51)

#82 MD(7923.00) Inc(90.3) Azm(89.8) TVD(6840.39)
VS(1270.92) N/-S(782.39) E/-W(1217.49)

#83 MD(8019.00) Inc(90.2) Azm(89.7) TVD(6839.96)
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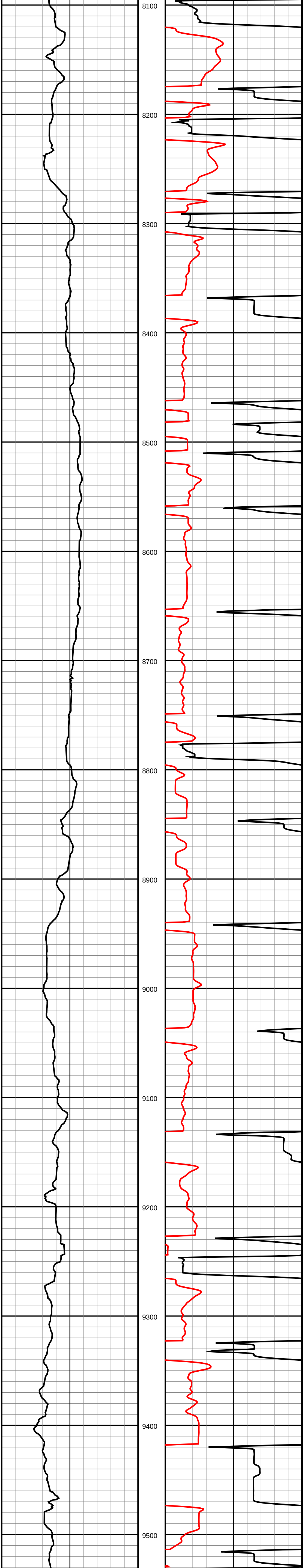

#84 MD(8115.00) Inc(91.9) Azm(92.6) TVD(6838.15)
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#85 MD(8210.00) Inc(91.7) Azm(91.7) TVD(6835.14)
VS(1556.63) N/-S(777.32) E/-W(1504.32)

#86 MD(8306.00) Inc(90.1) Azm(91.0) TVD(6833.64)
VS(1652.18) N/-S(775.07) E/-W(1600.28)

#87 MD(8401.00) Inc(90.3) Azm(90.6) TVD(6833.36)
VS(1746.82) N/-S(773.75) E/-W(1695.27)

#88 MD(8497.00) Inc(90.1) Azm(90.0) TVD(6833.07)
VS(1842.54) N/-S(773.31) E/-W(1791.27)

#89 MD(8593.00) Inc(89.9) Azm(88.9) TVD(6833.10)
VS(1938.35) N/-S(774.25) E/-W(1887.26)

#90 MD(8688.00) Inc(89.8) Azm(88.7) TVD(6833.35)
VS(2033.22) N/-S(776.25) E/-W(1982.24)

#91 MD(8784.00) Inc(89.9) Azm(89.8) TVD(6833.60)
VS(2129.05) N/-S(777.53) E/-W(2078.23)

#92 MD(8879.00) Inc(89.9) Azm(90.2) TVD(6833.78)
VS(2223.80) N/-S(777.51) E/-W(2173.23)

#93 MD(8975.00) Inc(90.1) Azm(89.7) TVD(6833.76)
VS(2319.55) N/-S(777.58) E/-W(2269.23)

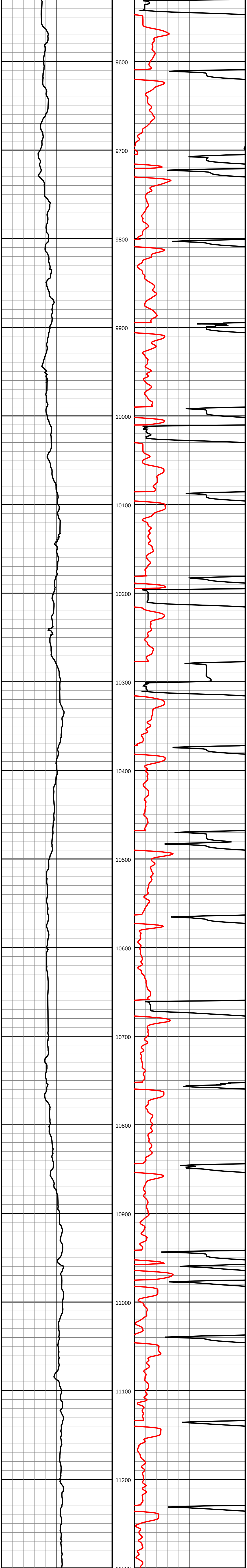
#94 MD(9071.00) Inc(90.0) Azm(89.3) TVD(6833.65)
VS(2415.36) N/-S(778.42) E/-W(2365.23)

#95 MD(9166.00) Inc(90.0) Azm(89.0) TVD(6833.67)
VS(2510.20) N/-S(779.85) E/-W(2460.22)

#96 MD(9262.00) Inc(91.4) Azm(91.0) TVD(6832.50)
VS(2605.94) N/-S(779.88) E/-W(2556.20)

#97 MD(9357.00) Inc(91.5) Azm(90.8) TVD(6830.09)
VS(2700.54) N/-S(778.38) E/-W(2651.16)

#98 MD(9452.00) Inc(91.8) Azm(90.5) TVD(6827.33)
VS(2795.17) N/-S(777.33) E/-W(2746.11)



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#100 MD(9643.00) Inc(89.6) Azm(89.8) TVD(6826.42)
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#101 MD(9738.00) Inc(90.1) Azm(89.2) TVD(6826.69)
VS(3080.37) N/-S(777.01) E/-W(3032.09)

#102 MD(9834.00) Inc(89.7) Azm(88.6) TVD(6826.84)
VS(3176.23) N/-S(778.82) E/-W(3128.07)

#103 MD(9928.00) Inc(88.8) Azm(88.2) TVD(6828.00)
VS(3270.13) N/-S(781.45) E/-W(3222.02)

#104 MD(10024.00) Inc(88.2) Azm(90.0) TVD(6830.48)
VS(3365.94) N/-S(782.98) E/-W(3317.97)

#105 MD(10119.00) Inc(87.8) Azm(89.9) TVD(6833.77)
VS(3460.63) N/-S(783.01) E/-W(3412.92)

#106 MD(10213.00) Inc(88.9) Azm(92.1) TVD(6836.46)
VS(3554.21) N/-S(781.37) E/-W(3506.86)

#107 MD(10309.00) Inc(90.5) Azm(92.5) TVD(6836.99)
VS(3649.60) N/-S(777.59) E/-W(3602.78)

#108 MD(10404.00) Inc(90.7) Azm(92.9) TVD(6835.98)
VS(3743.92) N/-S(773.11) E/-W(3697.67)

#109 MD(10500.00) Inc(90.5) Azm(93.0) TVD(6834.92)
VS(3839.17) N/-S(768.12) E/-W(3793.53)

#110 MD(10596.00) Inc(90.6) Azm(92.7) TVD(6833.92)
VS(3934.45) N/-S(763.31) E/-W(3889.41)

#111 MD(10691.00) Inc(91.3) Azm(90.0) TVD(6832.33)
VS(4028.98) N/-S(761.05) E/-W(3984.36)

#112 MD(10787.00) Inc(91.1) Azm(89.8) TVD(6830.33)
VS(4124.73) N/-S(761.25) E/-W(4080.33)

#113 MD(10882.00) Inc(91.1) Azm(89.6) TVD(6828.53)
VS(4219.50) N/-S(761.76) E/-W(4175.32)

#114 MD(10978.00) Inc(90.9) Azm(89.6) TVD(6826.85)
VS(4315.28) N/-S(762.46) E/-W(4271.30)

#115 MD(11073.00) Inc(90.8) Azm(89.0) TVD(6825.45)
VS(4410.10) N/-S(763.68) E/-W(4366.28)

#116 MD(11169.00) Inc(90.4) Azm(89.1) TVD(6824.45)
VS(4505.95) N/-S(765.33) E/-W(4462.26)

#117 MD(11265.00) Inc(90.7) Azm(89.0) TVD(6823.51)
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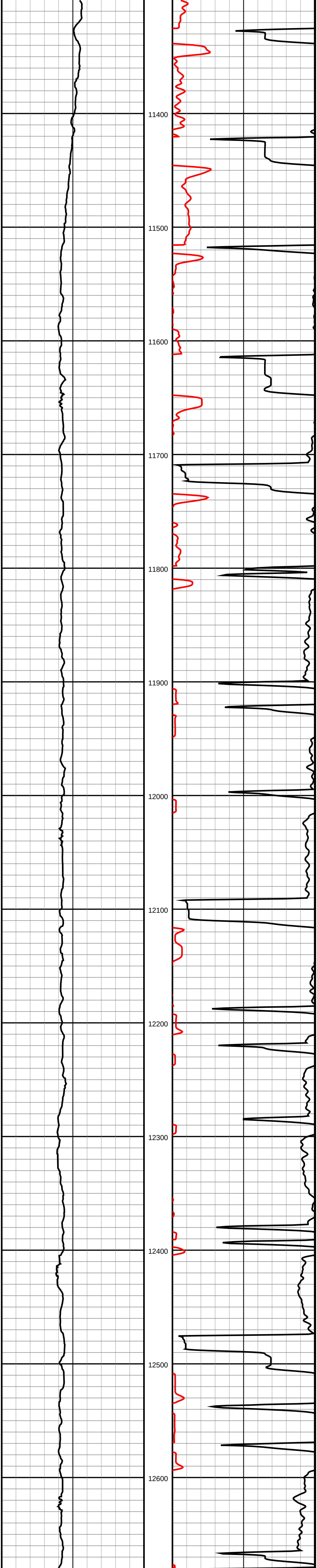

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#119 MD(11457.00) Inc(90.2) Azm(89.2) TVD(6822.38)
VS(4793.49) N/-S(770.18) E/-W(4750.21)

#120 MD(11553.00) Inc(90.3) Azm(88.8) TVD(6821.92)
VS(4889.35) N/-S(771.88) E/-W(4846.19)

#121 MD(11648.00) Inc(90.5) Azm(87.7) TVD(6821.24)
VS(4984.26) N/-S(774.78) E/-W(4941.15)

#122 MD(11744.00) Inc(90.5) Azm(91.0) TVD(6820.41)
VS(5080.07) N/-S(775.87) E/-W(5037.12)

#123 MD(11839.00) Inc(90.8) Azm(89.6) TVD(6819.36)
VS(5174.78) N/-S(775.44) E/-W(5132.11)

#124 MD(11935.00) Inc(90.3) Azm(89.0) TVD(6818.41)
VS(5270.60) N/-S(776.61) E/-W(5228.10)

#125 MD(12031.00) Inc(90.8) Azm(88.2) TVD(6817.51)
VS(5366.48) N/-S(778.95) E/-W(5324.07)

#126 MD(12126.00) Inc(90.3) Azm(91.1) TVD(6816.66)
VS(5461.26) N/-S(779.55) E/-W(5419.05)

#127 MD(12222.00) Inc(90.3) Azm(90.9) TVD(6816.16)
VS(5556.87) N/-S(777.86) E/-W(5515.04)

#128 MD(12317.00) Inc(90.2) Azm(90.3) TVD(6815.69)
VS(5651.54) N/-S(776.88) E/-W(5610.03)

#129 MD(12413.00) Inc(90.1) Azm(89.7) TVD(6815.40)
VS(5747.29) N/-S(776.91) E/-W(5706.03)

#130 MD(12509.00) Inc(91.2) Azm(91.0) TVD(6814.32)
VS(5842.98) N/-S(776.33) E/-W(5802.02)

#131 MD(12604.00) Inc(90.8) Azm(89.5) TVD(6812.67)
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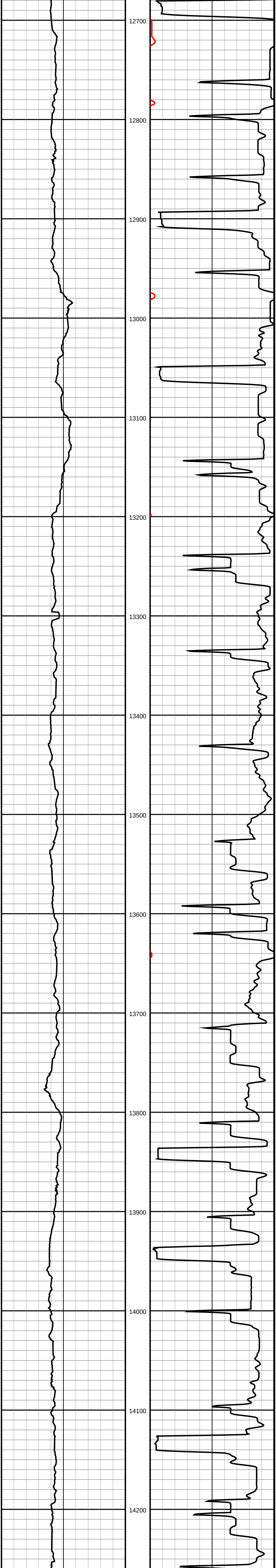

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#133 MD(12796.00) Inc(91.9) Azm(90.1) TVD(6806.84)
VS(6129.01) N/-S(774.92) E/-W(6088.90)

#134 MD(12892.00) Inc(92.2) Azm(90.8) TVD(6803.44)
VS(6224.64) N/-S(774.18) E/-W(6184.83)

#135 MD(12988.00) Inc(92.2) Azm(91.9) TVD(6799.76)
VS(6320.13) N/-S(771.87) E/-W(6280.73)

#136 MD(13083.00) Inc(89.1) Azm(92.2) TVD(6798.71)
VS(6414.55) N/-S(768.42) E/-W(6375.65)

#137 MD(13178.00) Inc(89.3) Azm(92.1) TVD(6800.11)
VS(6508.96) N/-S(764.83) E/-W(6470.58)

#138 MD(13275.00) Inc(89.3) Azm(91.5) TVD(6801.36)
VS(6605.43) N/-S(761.79) E/-W(6567.52)

#139 MD(13371.00) Inc(89.2) Azm(91.0) TVD(6802.62)
VS(6701.00) N/-S(759.70) E/-W(6663.49)

#140 MD(13467.00) Inc(89.2) Azm(90.2) TVD(6803.91)
VS(6796.65) N/-S(758.65) E/-W(6759.47)

#141 MD(13563.00) Inc(89.5) Azm(90.0) TVD(6804.99)
VS(6892.38) N/-S(758.44) E/-W(6855.47)

#142 MD(13658.00) Inc(89.2) Azm(89.4) TVD(6806.09)
VS(6987.16) N/-S(758.93) E/-W(6950.46)

#143 MD(13753.00) Inc(89.2) Azm(88.6) TVD(6807.46)
VS(7082.01) N/-S(760.64) E/-W(7045.43)

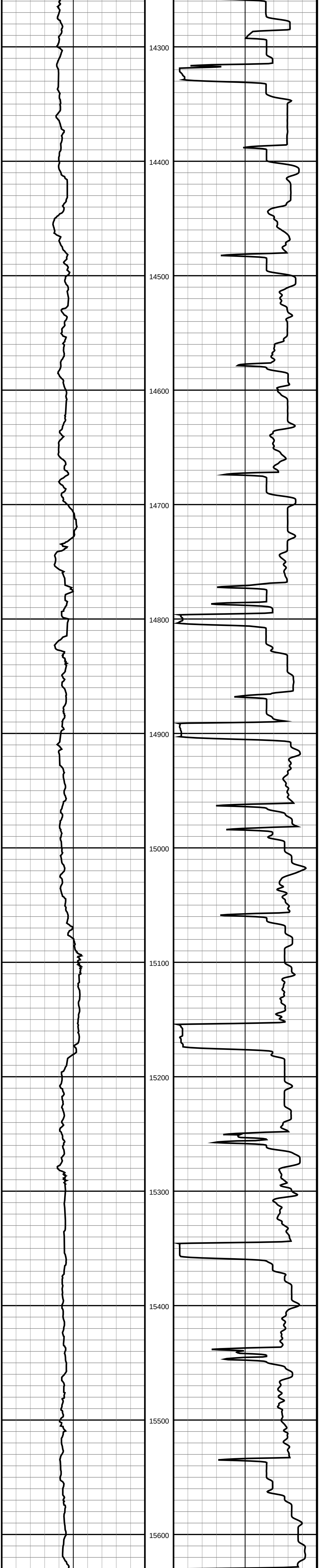
#144 MD(13848.00) Inc(89.6) Azm(89.2) TVD(6808.52)
VS(7176.86) N/-S(762.46) E/-W(7140.41)

#145 MD(13944.00) Inc(89.7) Azm(91.2) TVD(6809.10)
VS(7272.58) N/-S(762.13) E/-W(7236.40)

#146 MD(14040.00) Inc(89.9) Azm(90.0) TVD(6809.44)
VS(7368.26) N/-S(761.21) E/-W(7332.40)

#147 MD(14135.00) Inc(90.2) Azm(90.7) TVD(6809.35)
VS(7462.97) N/-S(760.71) E/-W(7427.39)

#148 MD(14232.00) Inc(90.2) Azm(91.5) TVD(6808.94)
VS(7559.57) N/-S(758.92) E/-W(7524.37)



#149 MD(14327.00) Inc(91.6) Azm(92.4) TVD(6807.45)
VS(7654.02) N/-S(755.73) E/-W(7619.31)

#150 MD(14423.00) Inc(91.8) Azm(92.1) TVD(6804.68)
VS(7749.38) N/-S(751.95) E/-W(7715.19)

#151 MD(14519.00) Inc(91.8) Azm(91.4) TVD(6801.69)
VS(7844.83) N/-S(749.03) E/-W(7811.10)

#152 MD(14615.00) Inc(91.8) Azm(90.9) TVD(6798.71)
VS(7940.37) N/-S(747.14) E/-W(7907.04)

#153 MD(14710.00) Inc(91.9) Azm(90.1) TVD(6795.70)
VS(8035.01) N/-S(746.36) E/-W(8001.98)

#154 MD(14806.00) Inc(91.7) Azm(89.2) TVD(6792.67)
VS(8130.76) N/-S(747.00) E/-W(8097.93)

#155 MD(14902.00) Inc(90.9) Azm(89.6) TVD(6790.49)
VS(8226.55) N/-S(748.00) E/-W(8193.90)

#156 MD(14998.00) Inc(90.8) Azm(89.5) TVD(6789.04)
VS(8322.34) N/-S(748.74) E/-W(8289.89)

#157 MD(15093.00) Inc(91.1) Azm(89.2) TVD(6787.44)
VS(8417.15) N/-S(749.87) E/-W(8384.87)

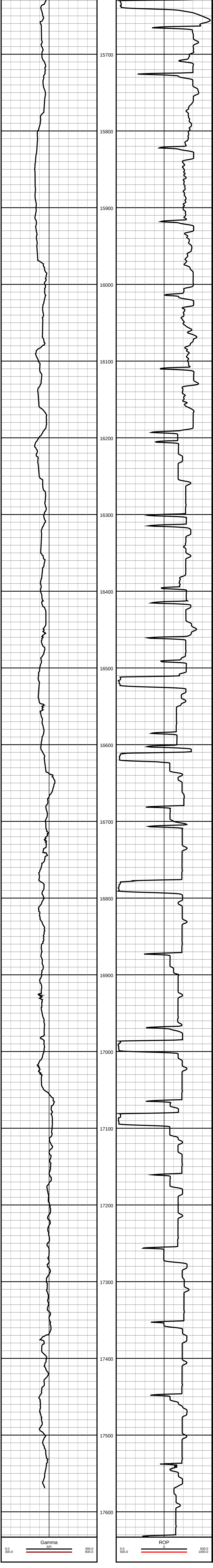
#158 MD(15188.00) Inc(88.4) Azm(90.5) TVD(6787.88)
VS(8511.91) N/-S(750.12) E/-W(8479.86)

#159 MD(15283.00) Inc(88.1) Azm(90.2) TVD(6790.79)
VS(8606.57) N/-S(749.52) E/-W(8574.81)

#160 MD(15378.00) Inc(90.6) Azm(91.0) TVD(6791.85)
VS(8701.23) N/-S(748.54) E/-W(8669.79)

#161 MD(15474.00) Inc(91.1) Azm(90.7) TVD(6790.41)
VS(8796.85) N/-S(747.12) E/-W(8765.77)

#162 MD(15569.00) Inc(91.3) Azm(90.5) TVD(6788.37)
VS(8891.50) N/-S(746.09) E/-W(8860.74)



#163 MD(15665.00) Inc(89.7) Azm(90.7) TVD(6787.48)
VS(8987.16) N/-S(745.05) E/-W(8956.73)

#164 MD(15760.00) Inc(89.7) Azm(90.2) TVD(6787.99)
VS(9081.85) N/-S(744.33) E/-W(9051.72)

#165 MD(15855.00) Inc(89.8) Azm(89.7) TVD(6788.46)
VS(9176.61) N/-S(744.40) E/-W(9146.72)

#166 MD(15951.00) Inc(90.2) Azm(89.6) TVD(6788.43)
VS(9272.39) N/-S(744.94) E/-W(9242.72)

#167 MD(16046.00) Inc(90.5) Azm(88.9) TVD(6787.78)
VS(9367.22) N/-S(746.18) E/-W(9337.71)

#168 MD(16142.00) Inc(90.5) Azm(88.3) TVD(6786.95)
VS(9463.11) N/-S(748.51) E/-W(9433.68)

#169 MD(16237.00) Inc(91.2) Azm(87.6) TVD(6785.60)
VS(9558.03) N/-S(751.86) E/-W(9528.61)

#170 MD(16332.00) Inc(91.1) Azm(87.4) TVD(6783.75)
VS(9652.97) N/-S(755.97) E/-W(9623.50)

#171 MD(16428.00) Inc(91.2) Azm(86.9) TVD(6781.82)
VS(9748.93) N/-S(760.75) E/-W(9719.36)

#172 MD(16524.00) Inc(91.3) Azm(88.2) TVD(6779.71)
VS(9844.86) N/-S(764.82) E/-W(9815.25)

#173 MD(16619.00) Inc(90.3) Azm(87.6) TVD(6778.39)
VS(9939.79) N/-S(768.25) E/-W(9910.18)

#174 MD(16714.00) Inc(90.4) Azm(87.3) TVD(6777.84)
VS(10034.75) N/-S(772.44) E/-W(10005.08)

#175 MD(16809.00) Inc(89.6) Azm(88.2) TVD(6777.85)
VS(10129.69) N/-S(776.10) E/-W(10100.01)

#176 MD(16905.00) Inc(90.0) Azm(87.4) TVD(6778.16)
VS(10225.63) N/-S(779.71) E/-W(10195.94)

#177 MD(17000.00) Inc(89.6) Azm(89.4) TVD(6778.49)
VS(10320.53) N/-S(782.33) E/-W(10290.90)

#178 MD(17096.00) Inc(89.6) Azm(91.1) TVD(6779.21)
VS(10416.24) N/-S(781.92) E/-W(10386.89)

#179 MD(17191.00) Inc(89.7) Azm(90.4) TVD(6779.84)
VS(10510.89) N/-S(780.68) E/-W(10481.88)

#180 MD(17286.00) Inc(89.8) Azm(89.9) TVD(6780.28)
VS(10605.62) N/-S(780.42) E/-W(10576.88)

#181 MD(17382.00) Inc(90.0) Azm(89.2) TVD(6780.48)
VS(10701.43) N/-S(781.22) E/-W(10672.87)

#182 MD(17476.00) Inc(89.8) Azm(88.9) TVD(6780.65)
VS(10795.28) N/-S(782.81) E/-W(10766.86)

#183 MD(17572.00) Inc(90.2) Azm(87.9) TVD(6780.63)
VS(10891.18) N/-S(785.47) E/-W(10862.82)

#184 MD(17632.00) Inc(90.2) Azm(87.9) TVD(6780.44)
VS(10951.14) N/-S(787.66) E/-W(10922.78)