Bunting 26P-302

MD
2":100’

Company: Petroleum Development Corp.
Well Name: Bunting 26P-232
API: 051234408900
County/Parish: Weld
State: Colorado
Country: United States
Job number: 161-106
Field: Wattenburg
Rig Id: Ensign 161
Survey Company: Ensign Directional Services
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: Justin Klatt
Night MWD: Ryan Prue

Log measurements: Gamma, ROP
Depth measured from: 2000 ft
Maximum temperature:

	Depth	Date
Start:	0 ft	1/7/18
End:	15101 ft	1/15/2018

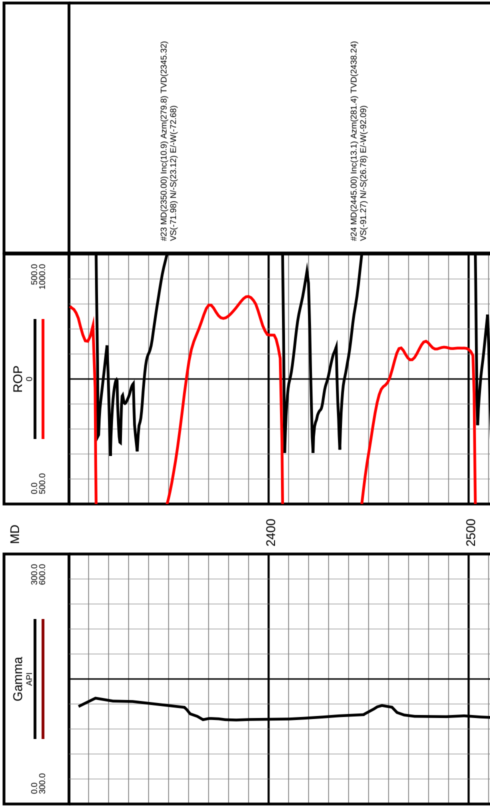
Casing	**Depth**	**Size**
Surface:		9 5/8"
Intermediate:		

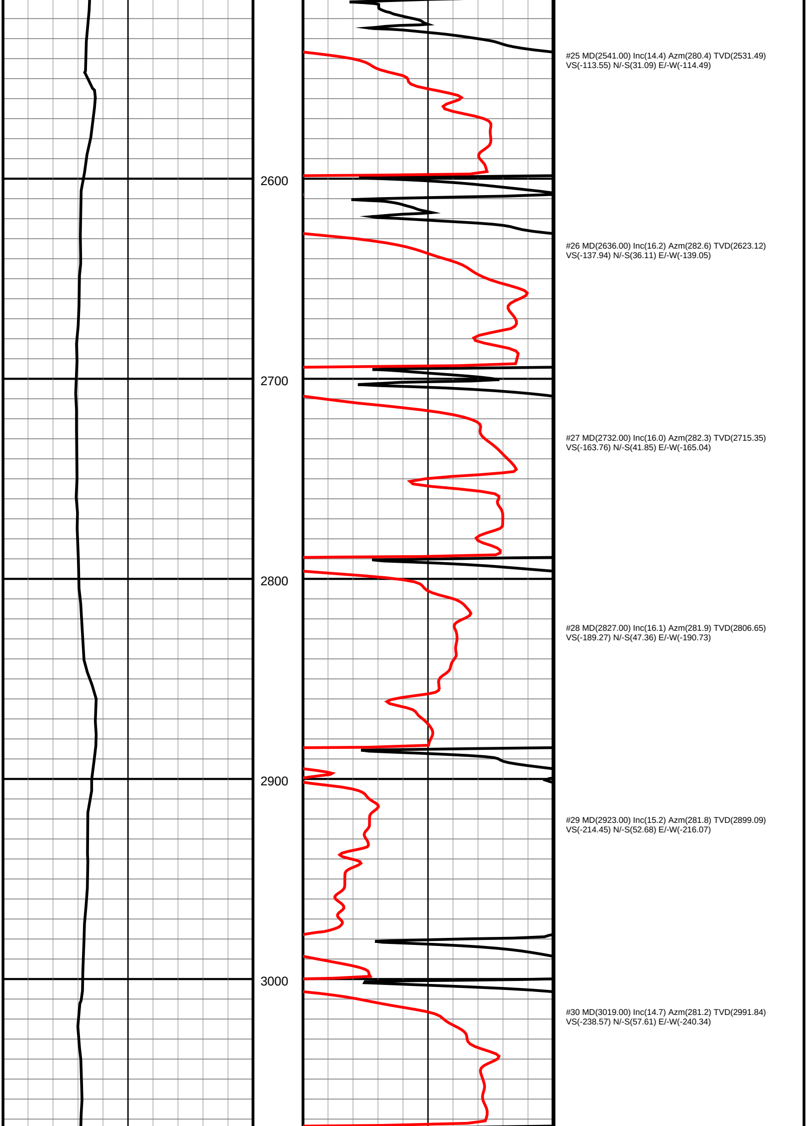
Mud Type: H2O
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 23 ft
GL: 4649 ft
DF: 4672 ft

Run	**Bit Size**	**Offsets**		**Depths**		**Dates**	
		Gamma	**Survey**	**Start**	**End**	**Start**	**End**
1	12.25"		57.80 ft	0 ft	1662 ft	1-7-18	1-8-18
2	8.5"	62.69 ft	57.86 ft	1662 ft	15101 ft	1-8-18	1-15-18
3							
4							
5							
6							
7							
8							
9							
10							

Ensign Directional Services 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.





#25 MD(2541.00) Inc(14.4) Azm(280.4) TVD(2531.49)
VS(-113.55) N/-S(31.09) E/-W(-114.49)

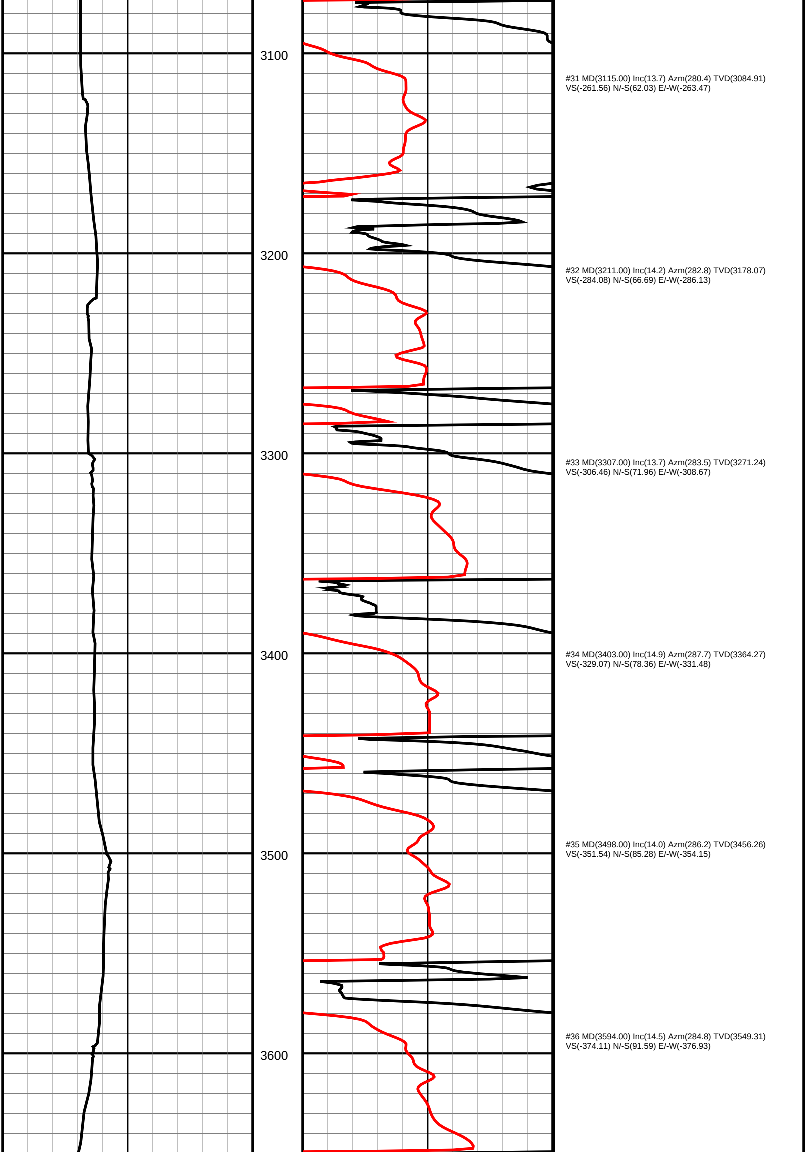
#26 MD(2636.00) Inc(16.2) Azm(282.6) TVD(2623.12)
VS(-137.94) N/-S(36.11) E/-W(-139.05)

#27 MD(2732.00) Inc(16.0) Azm(282.3) TVD(2715.35)
VS(-163.76) N/-S(41.85) E/-W(-165.04)

#28 MD(2827.00) Inc(16.1) Azm(281.9) TVD(2806.65)
VS(-189.27) N/-S(47.36) E/-W(-190.73)

#29 MD(2923.00) Inc(15.2) Azm(281.8) TVD(2899.09)
VS(-214.45) N/-S(52.68) E/-W(-216.07)

#30 MD(3019.00) Inc(14.7) Azm(281.2) TVD(2991.84)
VS(-238.57) N/-S(57.61) E/-W(-240.34)



#31 MD(3115.00) Inc(13.7) Azm(280.4) TVD(3084.91)
VS(-261.56) N/-S(62.03) E/-W(-263.47)

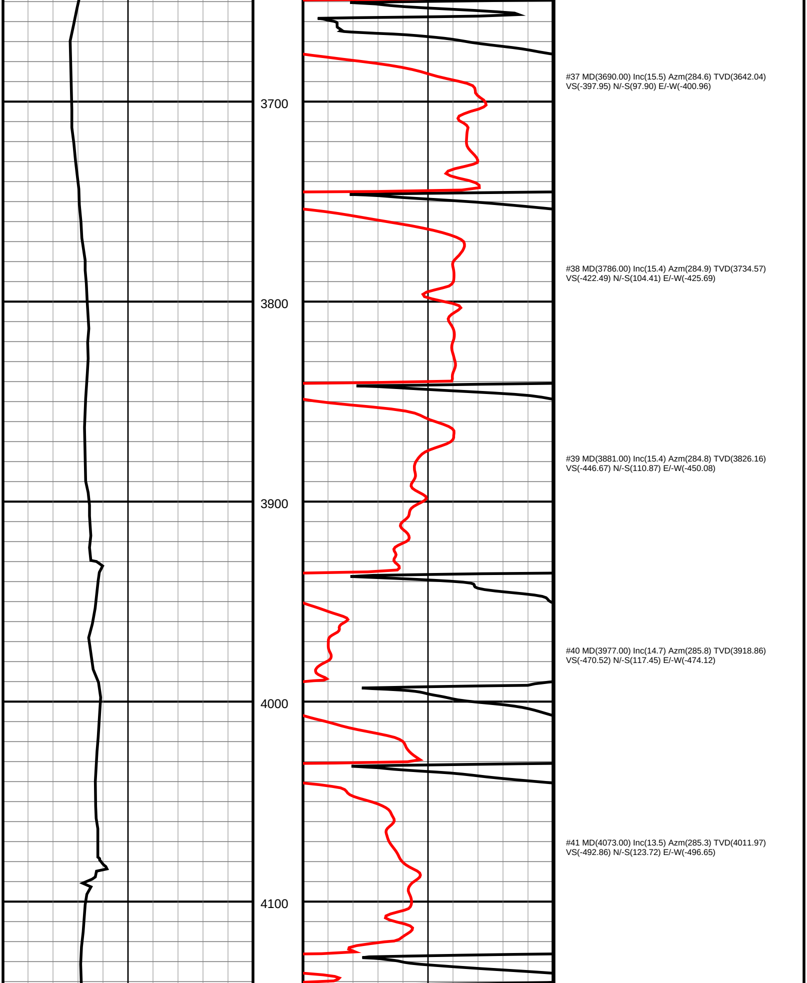
#32 MD(3211.00) Inc(14.2) Azm(282.8) TVD(3178.07)
VS(-284.08) N/-S(66.69) E/-W(-286.13)

#33 MD(3307.00) Inc(13.7) Azm(283.5) TVD(3271.24)
VS(-306.46) N/-S(71.96) E/-W(-308.67)

#34 MD(3403.00) Inc(14.9) Azm(287.7) TVD(3364.27)
VS(-329.07) N/-S(78.36) E/-W(-331.48)

#35 MD(3498.00) Inc(14.0) Azm(286.2) TVD(3456.26)
VS(-351.54) N/-S(85.28) E/-W(-354.15)

#36 MD(3594.00) Inc(14.5) Azm(284.8) TVD(3549.31)
VS(-374.11) N/-S(91.59) E/-W(-376.93)



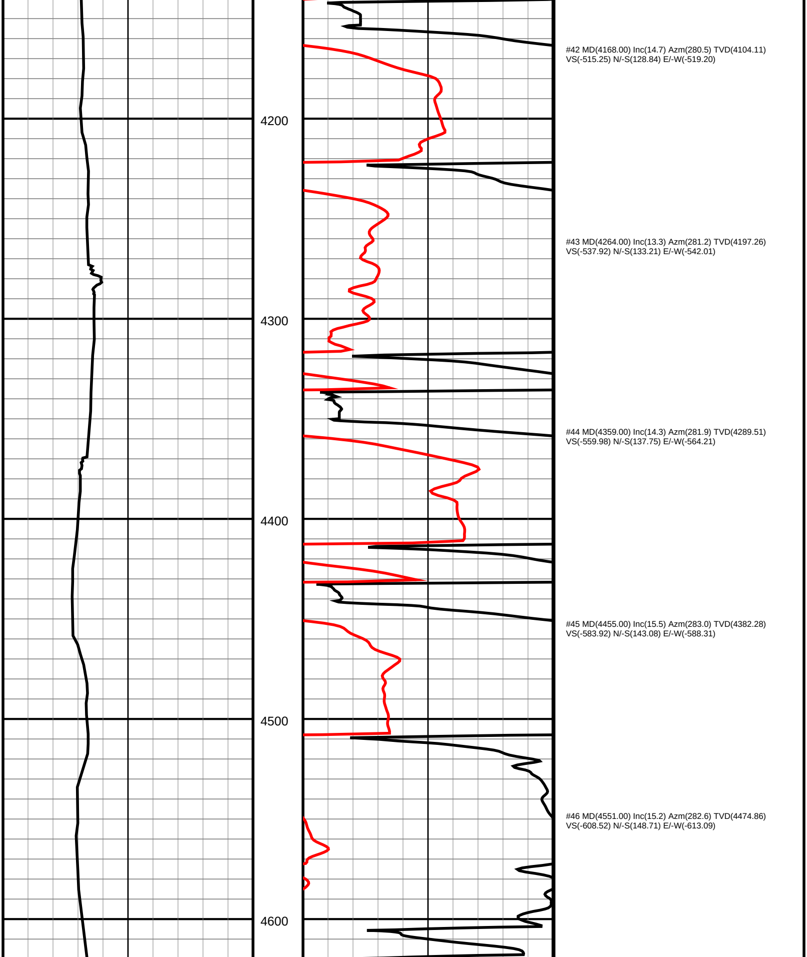
#37 MD(3690.00) Inc(15.5) Azm(284.6) TVD(3642.04)
VS(-397.95) N/-S(97.90) E/-W(-400.96)

#38 MD(3786.00) Inc(15.4) Azm(284.9) TVD(3734.57)
VS(-422.49) N/-S(104.41) E/-W(-425.69)

#39 MD(3881.00) Inc(15.4) Azm(284.8) TVD(3826.16)
VS(-446.67) N/-S(110.87) E/-W(-450.08)

#40 MD(3977.00) Inc(14.7) Azm(285.8) TVD(3918.86)
VS(-470.52) N/-S(117.45) E/-W(-474.12)

#41 MD(4073.00) Inc(13.5) Azm(285.3) TVD(4011.97)
VS(-492.86) N/-S(123.72) E/-W(-496.65)



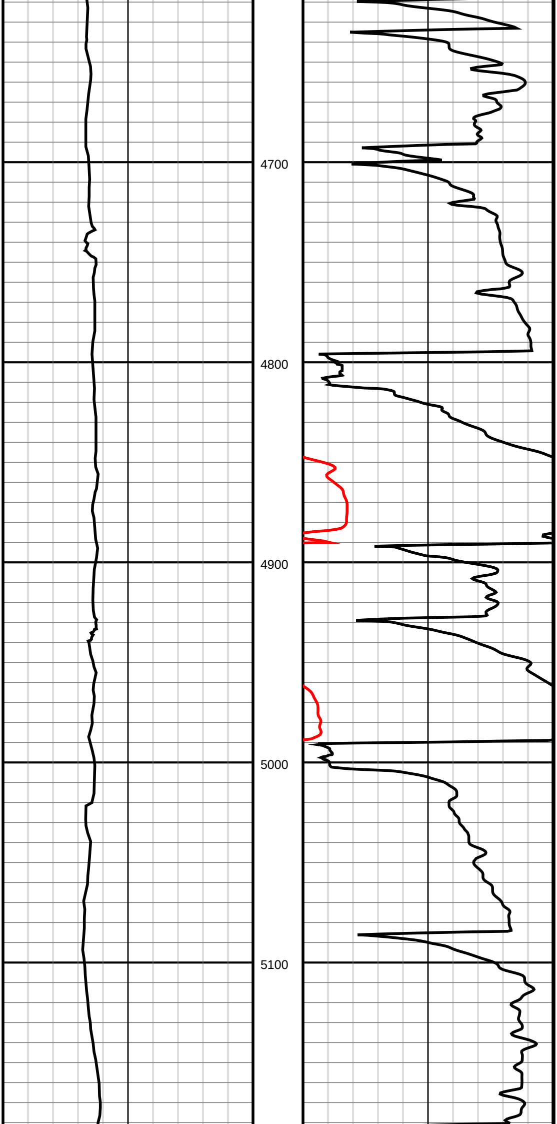
#42 MD(4168.00) Inc(14.7) Azm(280.5) TVD(4104.11)
VS(-515.25) N/-S(128.84) E/-W(-519.20)

#43 MD(4264.00) Inc(13.3) Azm(281.2) TVD(4197.26)
VS(-537.92) N/-S(133.21) E/-W(-542.01)

#44 MD(4359.00) Inc(14.3) Azm(281.9) TVD(4289.51)
VS(-559.98) N/-S(137.75) E/-W(-564.21)

#45 MD(4455.00) Inc(15.5) Azm(283.0) TVD(4382.28)
VS(-583.92) N/-S(143.08) E/-W(-588.31)

#46 MD(4551.00) Inc(15.2) Azm(282.6) TVD(4474.86)
VS(-608.52) N/-S(148.71) E/-W(-613.09)



#47 MD(4646.00) Inc(14.5) Azm(281.9) TVD(4566.68)
VS(-632.16) N/-S(153.88) E/-W(-636.88)

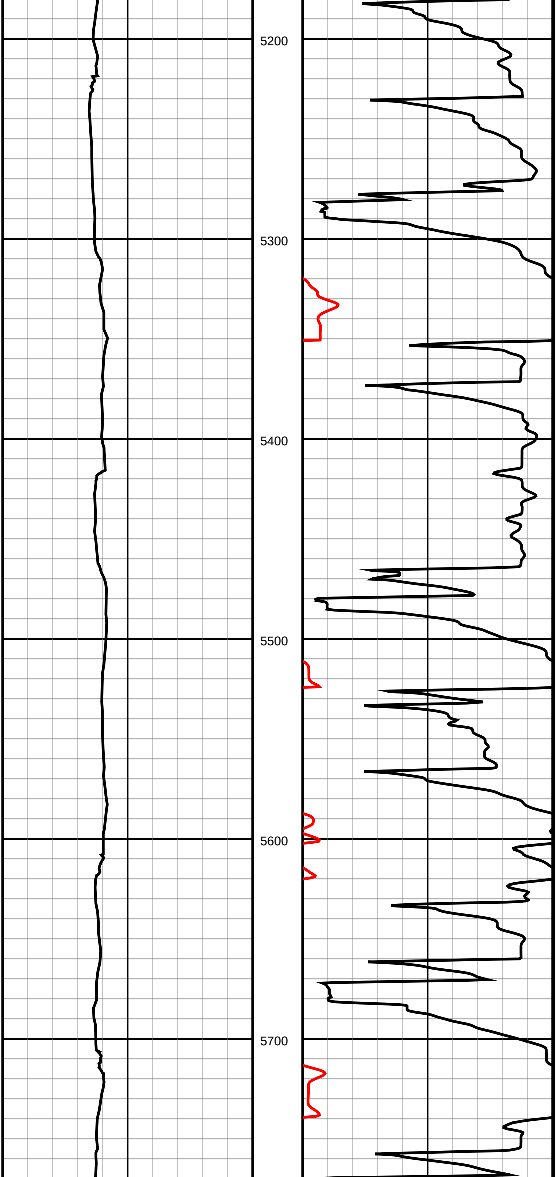
#48 MD(4742.00) Inc(13.5) Azm(280.7) TVD(4659.83)
VS(-654.79) N/-S(158.44) E/-W(-659.65)

#49 MD(4838.00) Inc(14.9) Azm(283.2) TVD(4752.90)
VS(-677.66) N/-S(163.34) E/-W(-682.68)

#50 MD(4934.00) Inc(13.8) Azm(281.8) TVD(4845.90)
VS(-700.73) N/-S(168.50) E/-W(-705.90)

#51 MD(5030.00) Inc(15.2) Azm(285.3) TVD(4938.84)
VS(-723.90) N/-S(174.16) E/-W(-729.25)

#52 MD(5125.00) Inc(14.8) Azm(284.9) TVD(5030.61)
VS(-747.44) N/-S(180.57) E/-W(-752.99)



#53 MD(5221.00) Inc(13.3) Azm(286.7) TVD(5123.73)
VS(-769.68) N/-S(186.89) E/-W(-775.42)

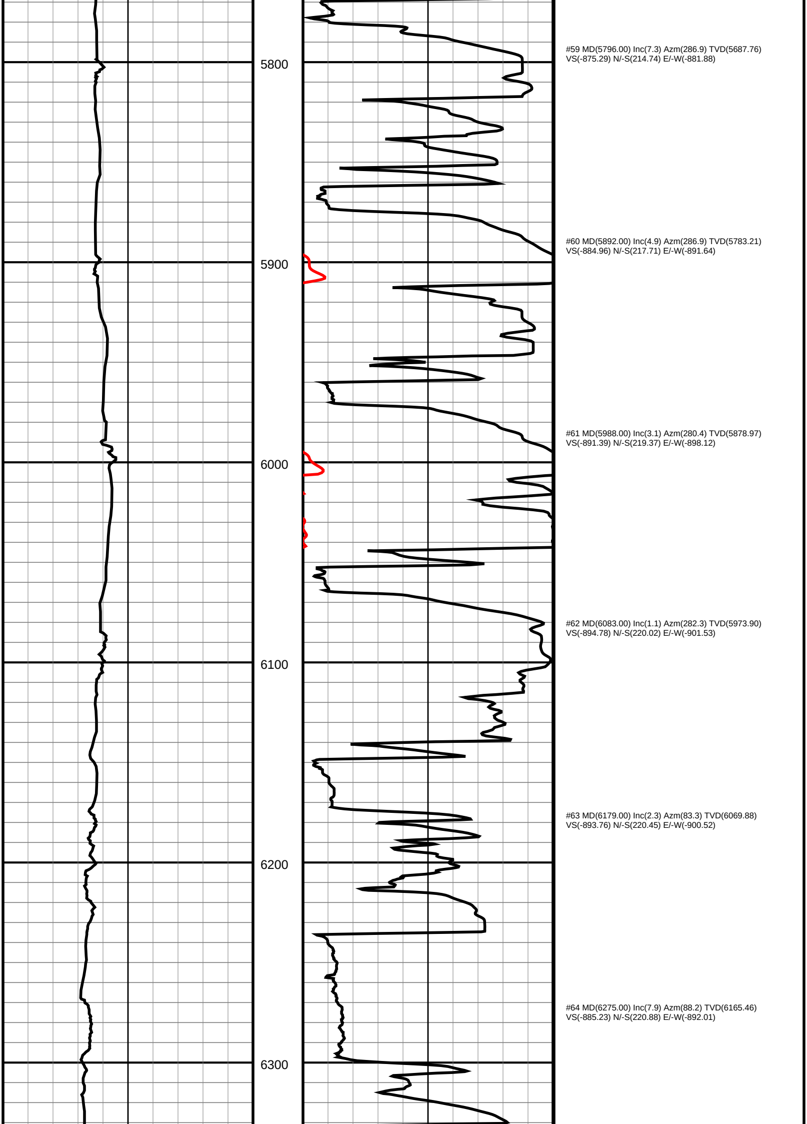
#54 MD(5317.00) Inc(13.5) Azm(286.3) TVD(5217.12)
VS(-790.82) N/-S(193.21) E/-W(-796.75)

#55 MD(5413.00) Inc(11.9) Azm(286.3) TVD(5310.77)
VS(-810.90) N/-S(199.13) E/-W(-817.01)

#56 MD(5508.00) Inc(11.6) Azm(285.1) TVD(5403.78)
VS(-829.36) N/-S(204.37) E/-W(-835.63)

#57 MD(5604.00) Inc(10.6) Azm(281.2) TVD(5497.98)
VS(-847.21) N/-S(208.60) E/-W(-853.61)

#58 MD(5700.00) Inc(8.4) Azm(280.9) TVD(5592.66)
VS(-862.66) N/-S(211.64) E/-W(-869.16)



#59 MD(5796.00) Inc(7.3) Azm(286.9) TVD(5687.76)
VS(-875.29) N/-S(214.74) E/-W(-881.88)

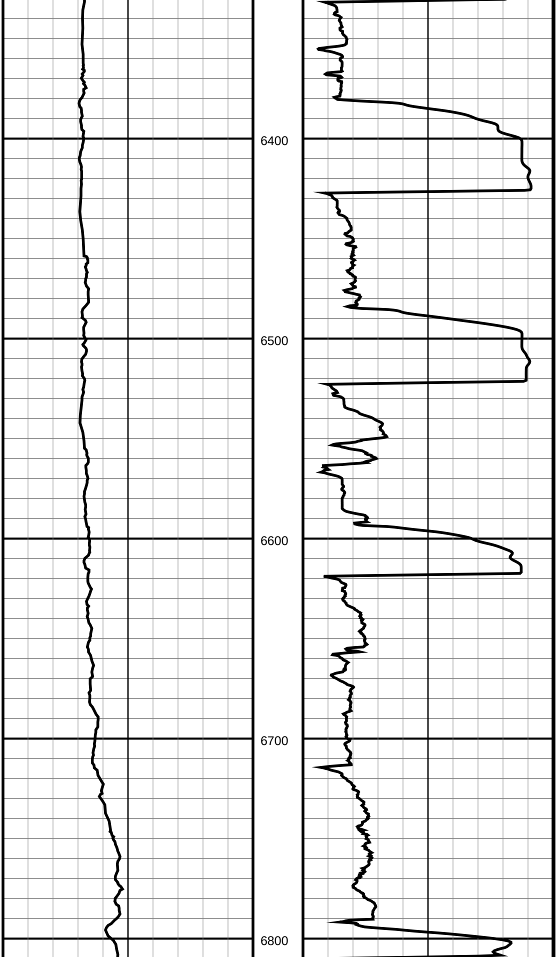
#60 MD(5892.00) Inc(4.9) Azm(286.9) TVD(5783.21)
VS(-884.96) N/-S(217.71) E/-W(-891.64)

#61 MD(5988.00) Inc(3.1) Azm(280.4) TVD(5878.97)
VS(-891.39) N/-S(219.37) E/-W(-898.12)

#62 MD(6083.00) Inc(1.1) Azm(282.3) TVD(5973.90)
VS(-894.78) N/-S(220.02) E/-W(-901.53)

#63 MD(6179.00) Inc(2.3) Azm(83.3) TVD(6069.88)
VS(-893.76) N/-S(220.45) E/-W(-900.52)

#64 MD(6275.00) Inc(7.9) Azm(88.2) TVD(6165.46)
VS(-885.23) N/-S(220.88) E/-W(-892.01)



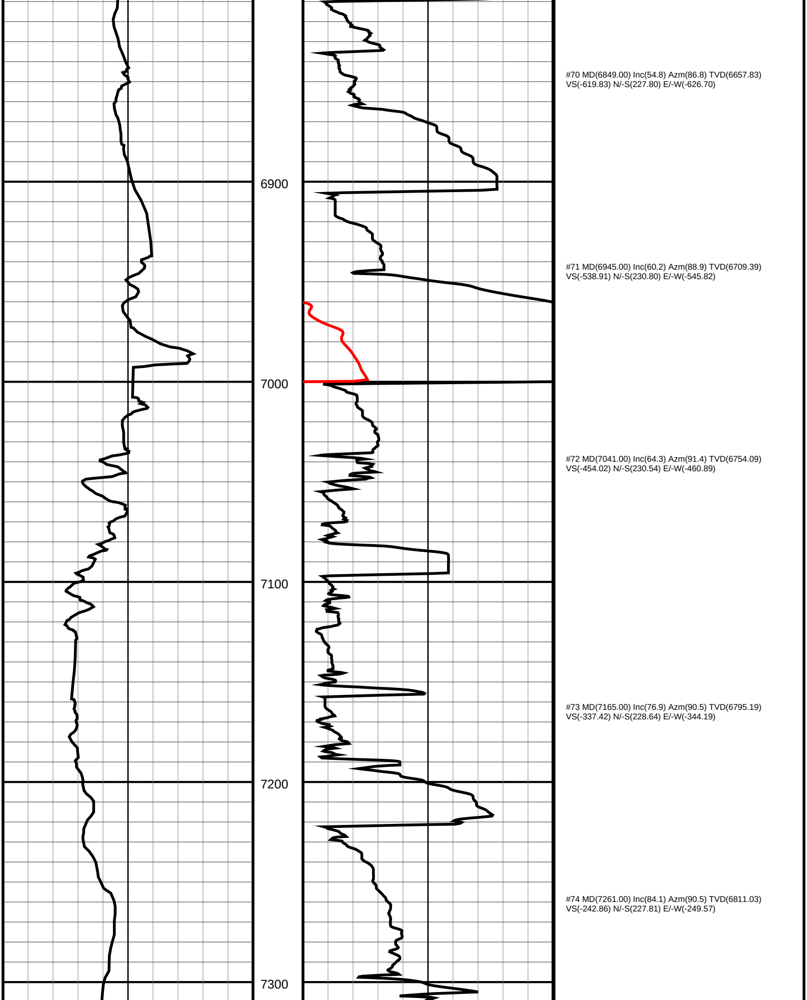
#65 MD(6370.00) Inc(15.9) Azm(83.8) TVD(6258.35)
VS(-865.70) N/-S(222.49) E/-W(-872.51)

#66 MD(6466.00) Inc(20.5) Azm(92.1) TVD(6349.54)
VS(-835.80) N/-S(223.30) E/-W(-842.62)

#67 MD(6562.00) Inc(25.3) Azm(94.4) TVD(6437.95)
VS(-798.60) N/-S(221.10) E/-W(-805.35)

#68 MD(6657.00) Inc(32.6) Azm(89.3) TVD(6521.03)
VS(-752.76) N/-S(219.86) E/-W(-759.45)

#69 MD(6753.00) Inc(44.7) Azm(85.4) TVD(6595.88)
VS(-692.95) N/-S(222.89) E/-W(-699.70)



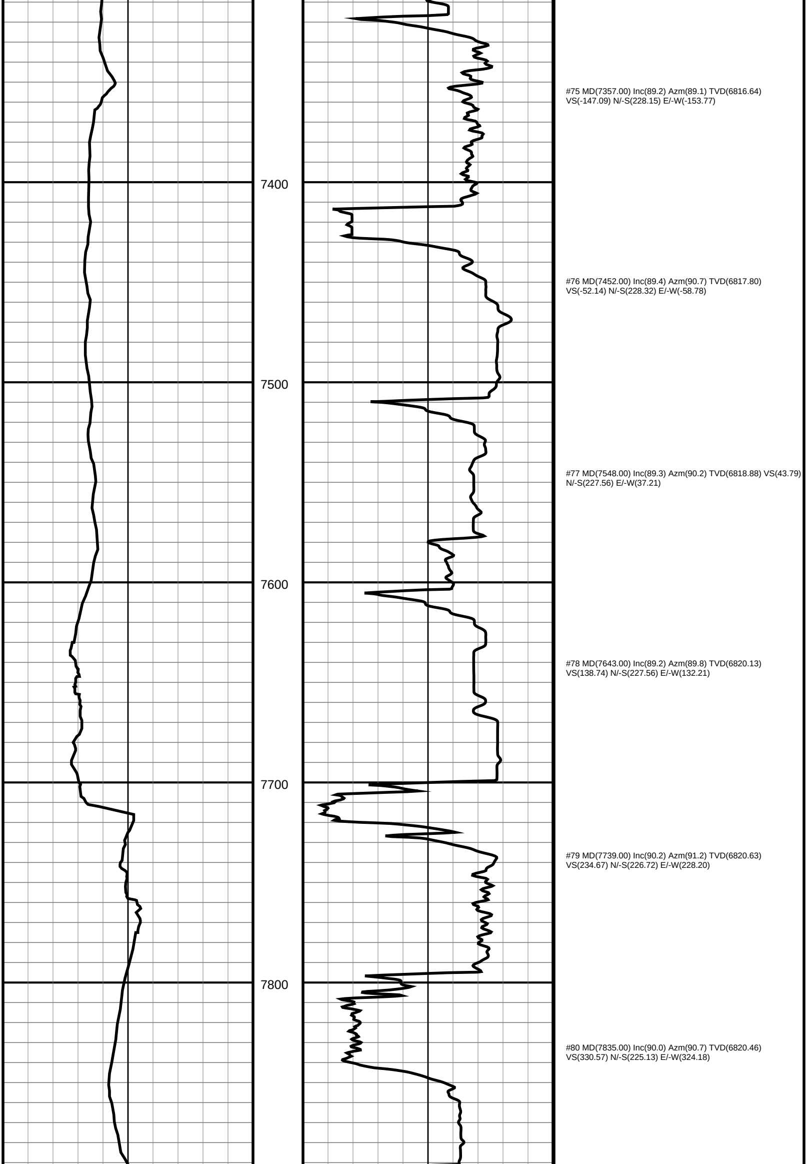
#70 MD(6849.00) Inc(54.8) Azm(86.8) TVD(6657.83)
VS(-619.83) N/-S(227.80) E/-W(-626.70)

#71 MD(6945.00) Inc(60.2) Azm(88.9) TVD(6709.39)
VS(-538.91) N/-S(230.80) E/-W(-545.82)

#72 MD(7041.00) Inc(64.3) Azm(91.4) TVD(6754.09)
VS(-454.02) N/-S(230.54) E/-W(-460.89)

#73 MD(7165.00) Inc(76.9) Azm(90.5) TVD(6795.19)
VS(-337.42) N/-S(228.64) E/-W(-344.19)

#74 MD(7261.00) Inc(84.1) Azm(90.5) TVD(6811.03)
VS(-242.86) N/-S(227.81) E/-W(-249.57)



#75 MD(7357.00) Inc(89.2) Azm(89.1) TVD(6816.64)
VS(-147.09) N/-S(228.15) E/-W(-153.77)

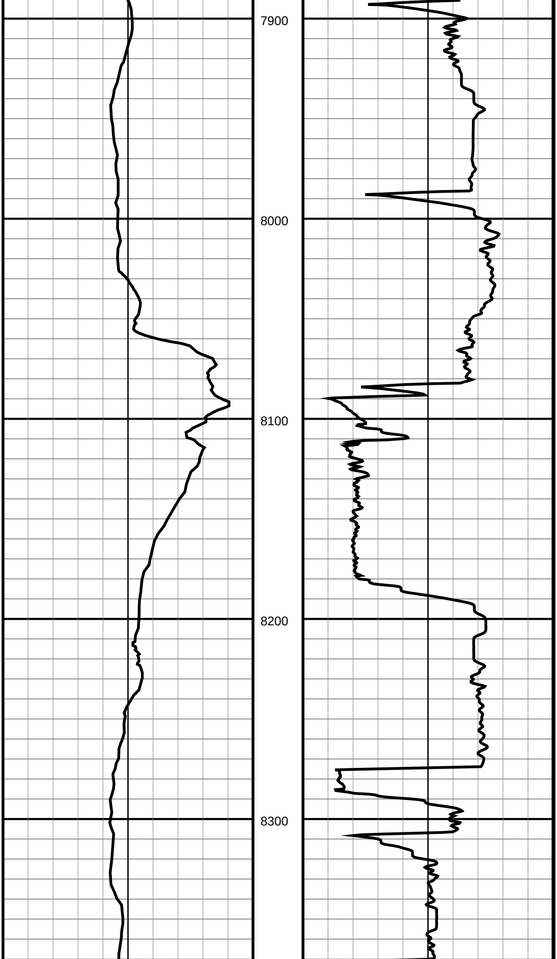
#76 MD(7452.00) Inc(89.4) Azm(90.7) TVD(6817.80)
VS(-52.14) N/-S(228.32) E/-W(-58.78)

#77 MD(7548.00) Inc(89.3) Azm(90.2) TVD(6818.88) VS(43.79)
N/-S(227.56) E/-W(37.21)

#78 MD(7643.00) Inc(89.2) Azm(89.8) TVD(6820.13)
VS(138.74) N/-S(227.56) E/-W(132.21)

#79 MD(7739.00) Inc(90.2) Azm(91.2) TVD(6820.63)
VS(234.67) N/-S(226.72) E/-W(228.20)

#80 MD(7835.00) Inc(90.0) Azm(90.7) TVD(6820.46)
VS(330.57) N/-S(225.13) E/-W(324.18)



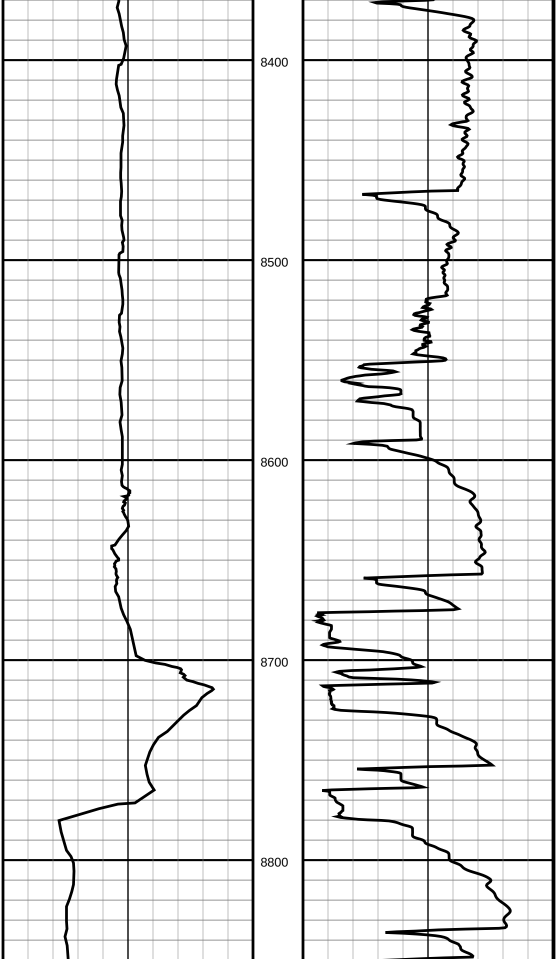
#81 MD(7930.00) Inc(90.0) Azm(90.5) TVD(6820.46)
VS(425.49) N/-S(224.14) E/-W(419.18)

#82 MD(8026.00) Inc(90.0) Azm(90.0) TVD(6820.46)
VS(521.44) N/-S(223.72) E/-W(515.18)

#83 MD(8121.00) Inc(90.1) Azm(91.6) TVD(6820.38)
VS(616.35) N/-S(222.39) E/-W(610.16)

#84 MD(8217.00) Inc(90.1) Azm(91.2) TVD(6820.21)
VS(712.21) N/-S(220.05) E/-W(706.13)

#85 MD(8312.00) Inc(91.3) Azm(91.6) TVD(6819.05)
VS(807.07) N/-S(217.73) E/-W(801.10)



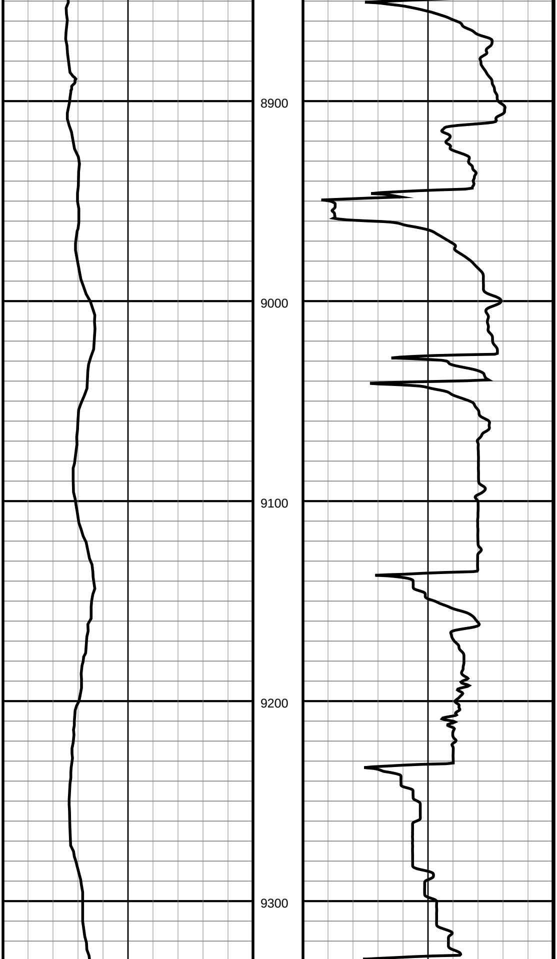
#86 MD(8408.00) Inc(91.3) Azm(91.2) TVD(6816.87)
VS(902.91) N/-S(215.38) E/-W(897.04)

#87 MD(8504.00) Inc(91.5) Azm(90.5) TVD(6814.53)
VS(998.79) N/-S(213.96) E/-W(993.00)

#88 MD(8599.00) Inc(91.8) Azm(90.0) TVD(6811.79)
VS(1093.69) N/-S(213.54) E/-W(1087.96)

#89 MD(8695.00) Inc(92.2) Azm(90.5) TVD(6808.44)
VS(1189.58) N/-S(213.12) E/-W(1183.90)

#90 MD(8791.00) Inc(90.5) Azm(92.1) TVD(6806.18)
VS(1285.42) N/-S(210.95) E/-W(1279.85)



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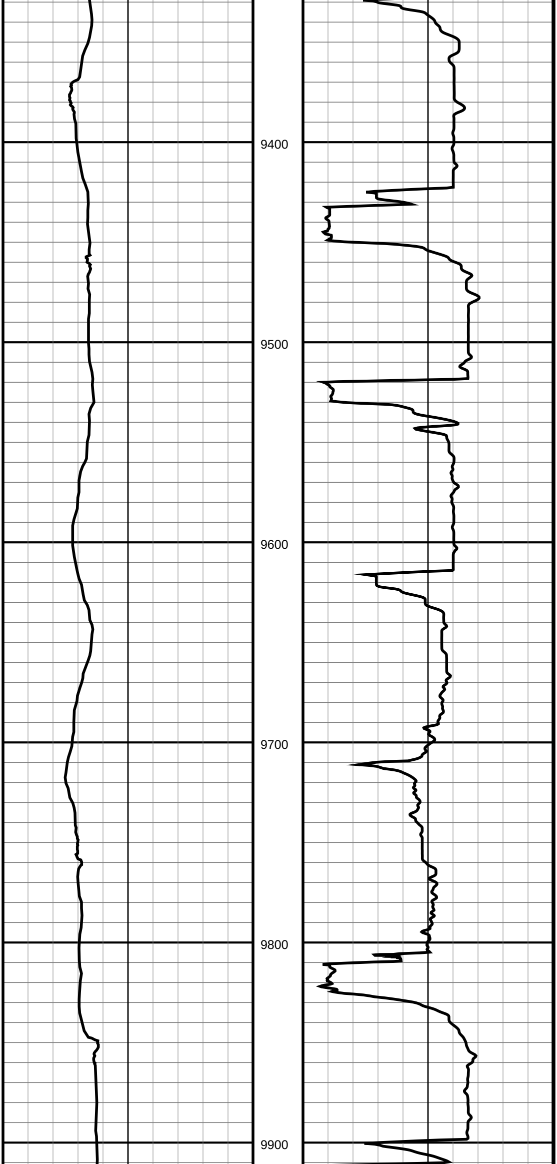
#92 MD(8982.00) Inc(89.7) Azm(91.4) TVD(6804.68)
VS(1476.10) N/-S(205.70) E/-W(1470.76)

#93 MD(9077.00) Inc(90.0) Azm(90.9) TVD(6804.93)
VS(1570.99) N/-S(203.79) E/-W(1565.74)

#94 MD(9173.00) Inc(90.1) Azm(90.3) TVD(6804.85)
VS(1666.91) N/-S(202.79) E/-W(1661.74)

#95 MD(9268.00) Inc(91.2) Azm(90.2) TVD(6803.77)
VS(1761.85) N/-S(202.37) E/-W(1756.73)



#96 MD(9364.00) Inc(91.9) Azm(90.3) TVD(6801.18)
VS(1857.77) N/-S(201.96) E/-W(1852.69)

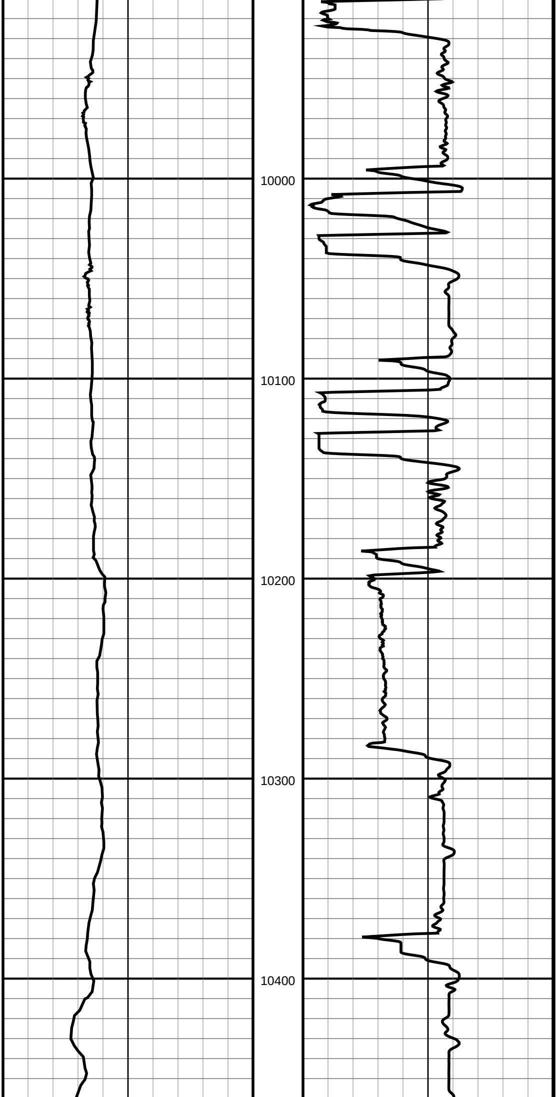
#97 MD(9460.00) Inc(90.7) Azm(90.7) TVD(6799.00)
VS(1953.67) N/-S(201.12) E/-W(1948.66)

#98 MD(9556.00) Inc(89.2) Azm(89.3) TVD(6799.08)
VS(2049.63) N/-S(201.12) E/-W(2044.66)

#99 MD(9651.00) Inc(89.8) Azm(88.4) TVD(6799.91)
VS(2144.62) N/-S(203.02) E/-W(2139.63)

#100 MD(9747.00) Inc(90.5) Azm(88.1) TVD(6799.66)
VS(2240.62) N/-S(205.96) E/-W(2235.59)

#101 MD(9842.00) Inc(89.8) Azm(88.1) TVD(6799.41)
VS(2335.61) N/-S(209.11) E/-W(2330.53)



#102 MD(9938.00) Inc(90.0) Azm(87.2) TVD(6799.58)
VS(2431.61) N/-S(213.04) E/-W(2426.45)

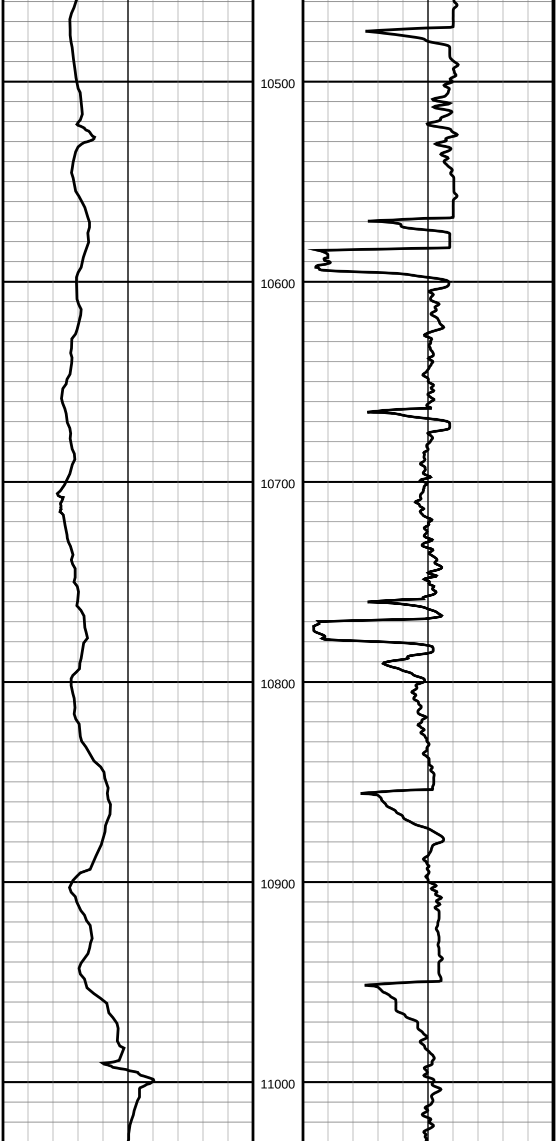
#103 MD(10034.00) Inc(90.7) Azm(88.6) TVD(6798.99)
VS(2527.60) N/-S(216.56) E/-W(2522.38)

#104 MD(10130.00) Inc(90.7) Azm(91.7) TVD(6797.82)
VS(2623.53) N/-S(216.31) E/-W(2618.36)

#105 MD(10226.00) Inc(90.7) Azm(92.1) TVD(6796.65)
VS(2719.34) N/-S(213.13) E/-W(2714.30)

#106 MD(10321.00) Inc(90.8) Azm(92.5) TVD(6795.40)
VS(2814.10) N/-S(209.31) E/-W(2809.22)

#107 MD(10417.00) Inc(91.3) Azm(91.7) TVD(6793.64)
VS(2909.88) N/-S(205.80) E/-W(2905.14)



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VS(3005.68) N/-S(203.03) E/-W(3001.06)

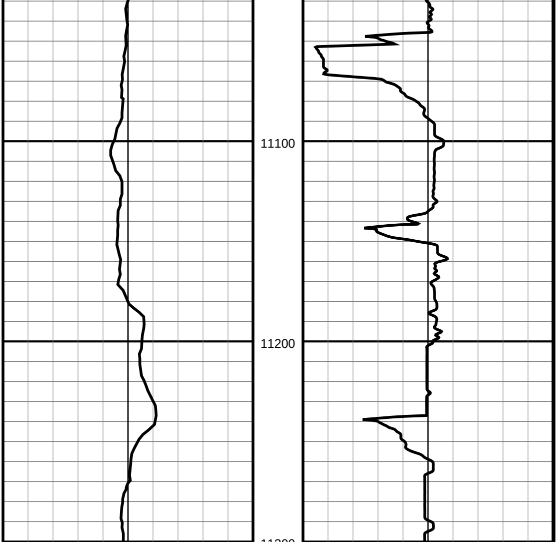
#109 MD(10608.00) Inc(90.5) Azm(90.7) TVD(6788.97)
VS(3100.54) N/-S(201.13) E/-W(3096.02)

#110 MD(10704.00) Inc(90.9) Azm(90.2) TVD(6787.80)
VS(3196.47) N/-S(200.37) E/-W(3192.01)

#111 MD(10800.00) Inc(90.3) Azm(90.7) TVD(6786.79)
VS(3292.40) N/-S(199.62) E/-W(3288.00)

#112 MD(10896.00) Inc(90.9) Azm(90.5) TVD(6785.79)
VS(3388.32) N/-S(198.61) E/-W(3383.99)

#113 MD(10991.00) Inc(91.5) Azm(90.2) TVD(6783.80)
VS(3483.24) N/-S(198.03) E/-W(3478.96)



#114 MD(11087.00) Inc(90.0) Azm(90.9) TVD(6782.54)
VS(3579.16) N/-S(197.11) E/-W(3574.95)

#115 MD(11183.00) Inc(90.2) Azm(90.5) TVD(6782.38)
VS(3675.07) N/-S(195.94) E/-W(3670.94)

#116 MD(11279.00) Inc(90.4) Azm(89.8) TVD(6781.87)
VS(3771.02) N/-S(195.69) E/-W(3766.94)

#117 MD(11375.00) Inc(90.7) Azm(89.1) TVD(6780.95)
VS(3867.00) N/-S(196.61) E/-W(3862.93)

#118 MD(11470.00) Inc(89.7) Azm(88.4) TVD(6780.62)
VS(3962.00) N/-S(198.68) E/-W(3957.90)

#119 MD(11565.00) Inc(90.0) Azm(88.4) TVD(6780.87)
VS(4057.00) N/-S(201.33) E/-W(4052.86)

#120 MD(11661.00) Inc(90.0) Azm(87.7) TVD(6780.87)
VS(4152.99) N/-S(204.60) E/-W(4148.81)

#121 MD(11756.00) Inc(90.4) Azm(86.8) TVD(6780.54)
VS(4247.98) N/-S(209.16) E/-W(4243.70)

#122 MD(11851.00) Inc(90.7) Azm(87.5) TVD(6779.62)
VS(4342.95) N/-S(213.88) E/-W(4338.57)

#123 MD(11946.00) Inc(90.4) Azm(88.1) TVD(6778.71)
VS(4437.94) N/-S(217.53) E/-W(4433.50)

#124 MD(12042.00) Inc(90.4) Azm(88.9) TVD(6778.04)
VS(4533.94) N/-S(220.04) E/-W(4529.46)

#125 MD(12137.00) Inc(90.1) Azm(90.3) TVD(6777.63)
VS(4628.91) N/-S(220.71) E/-W(4624.46)

#126 MD(12232.00) Inc(90.3) Azm(89.5) TVD(6777.30)
VS(4723.87) N/-S(220.87) E/-W(4719.46)

#127 MD(12327.00) Inc(90.4) Azm(89.3) TVD(6776.72)
VS(4818.86) N/-S(221.87) E/-W(4814.45)

#128 MD(12423.00) Inc(90.6) Azm(88.2) TVD(6775.88)
VS(4914.85) N/-S(223.96) E/-W(4910.42)

#129 MD(12518.00) Inc(90.2) Azm(88.4) TVD(6775.22)
VS(5009.85) N/-S(226.78) E/-W(5005.38)

#130 MD(12613.00) Inc(90.6) Azm(89.8) TVD(6774.55)
VS(5104.83) N/-S(228.27) E/-W(5100.36)

#131 MD(12709.00) Inc(91.0) Azm(89.3) TVD(6773.21)
VS(5200.80) N/-S(229.02) E/-W(5196.35)

#132 MD(12804.00) Inc(90.3) Azm(90.7) TVD(6772.13)
VS(5295.75) N/-S(229.02) E/-W(5291.34)

#133 MD(12900.00) Inc(90.6) Azm(90.3) TVD(6771.38)
VS(5391.68) N/-S(228.19) E/-W(5387.33)

#134 MD(12995.00) Inc(91.0) Azm(89.8) TVD(6770.05)
VS(5486.63) N/-S(228.10) E/-W(5482.32)

#135 MD(13091.00) Inc(90.3) Azm(90.3) TVD(6768.96)
VS(5582.58) N/-S(228.02) E/-W(5578.31)

#136 MD(13187.00) Inc(90.4) Azm(89.8) TVD(6768.38)
VS(5678.53) N/-S(227.94) E/-W(5674.31)

#137 MD(13283.00) Inc(90.8) Azm(89.3) TVD(6767.37)
VS(5774.51) N/-S(228.69) E/-W(5770.30)

#138 MD(13378.00) Inc(91.5) Azm(88.8) TVD(6765.47)
VS(5869.48) N/-S(230.26) E/-W(5865.27)

#139 MD(13474.00) Inc(90.7) Azm(88.4) TVD(6763.62)
VS(5965.46) N/-S(232.61) E/-W(5961.22)

#140 MD(13569.00) Inc(89.3) Azm(89.6) TVD(6763.62)
VS(6060.45) N/-S(234.27) E/-W(6056.20)

#141 MD(13665.00) Inc(89.5) Azm(89.1) TVD(6764.63)
VS(6156.43) N/-S(235.36) E/-W(6152.19)

#142 MD(13761.00) Inc(90.5) Azm(90.3) TVD(6764.63)
VS(6252.40) N/-S(235.86) E/-W(6248.19)

#143 MD(13857.00) Inc(91.1) Azm(90.2) TVD(6763.29)
VS(6348.34) N/-S(235.44) E/-W(6344.18)

#144 MD(13953.00) Inc(90.7) Azm(91.4) TVD(6761.78)
VS(6444.23) N/-S(234.10) E/-W(6440.15)

#145 MD(14049.00) Inc(91.5) Azm(91.2) TVD(6759.94)
VS(6540.09) N/-S(231.92) E/-W(6536.11)

#146 MD(14144.00) Inc(90.6) Azm(91.2) TVD(6758.20)
VS(6634.95) N/-S(229.93) E/-W(6631.07)

#147 MD(14240.00) Inc(89.7) Azm(91.0) TVD(6757.94)
VS(6730.84) N/-S(228.09) E/-W(6727.05)

#148 MD(14336.00) Inc(90.3) Azm(90.9) TVD(6757.94)
VS(6826.74) N/-S(226.50) E/-W(6823.04)

#149 MD(14431.00) Inc(91.3) Azm(90.3) TVD(6756.62)
VS(6921.65) N/-S(225.50) E/-W(6918.03)

#150 MD(14527.00) Inc(90.7) Azm(91.0) TVD(6754.94)
VS(7017.56) N/-S(224.42) E/-W(7014.00)

#151 MD(14623.00) Inc(90.4) Azm(90.9) TVD(6754.02)
VS(7113.46) N/-S(222.82) E/-W(7109.99)

#152 MD(14719.00) Inc(91.2) Azm(91.0) TVD(6752.68)
VS(7209.35) N/-S(221.23) E/-W(7205.96)

#153 MD(14815.00) Inc(90.2) Azm(90.2) TVD(6751.51)
VS(7305.26) N/-S(220.23) E/-W(7301.95)

#154 MD(14911.00) Inc(91.2) Azm(90.2) TVD(6750.34)
VS(7401.20) N/-S(219.89) E/-W(7397.94)

#155 MD(15007.00) Inc(92.1) Azm(89.6) TVD(6747.57)
VS(7497.13) N/-S(220.06) E/-W(7493.90)

#156 MD(15042.00) Inc(92.4) Azm(89.5) TVD(6746.20)
VS(7532.09) N/-S(220.33) E/-W(7528.87)