ENSIGN Directional

Sherley E-4-9HN

MD
2":100’

Company:	Bayswater E&P
Well Name:	Sherley E-4-9HN
API:	05 123 40966 00
Rig Id:	Frontier 10
State:	Co
County/Parish:	Weld
Country:	USA
Survey Company:	Ensign Directional
Job number:	1
DD 1	Jamie Sheets
DD 2	Tony Callow
MWD Operator 1	Zach Hansberger
MWD Operator 2	Wade Eldridge

Log measurements: gamma, ROP
Depth measured from: DF
Maximum temperature: 150

	Depth	Date
Start:	7394 ft	4/3/15
End:	16817 ft	5/9/2015

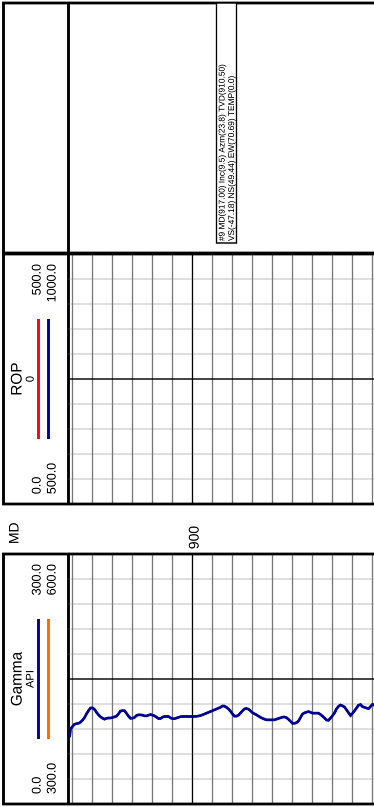
Casing	Depth	Size
Surface:	840	9 5/8
Intermediate:	7438	7

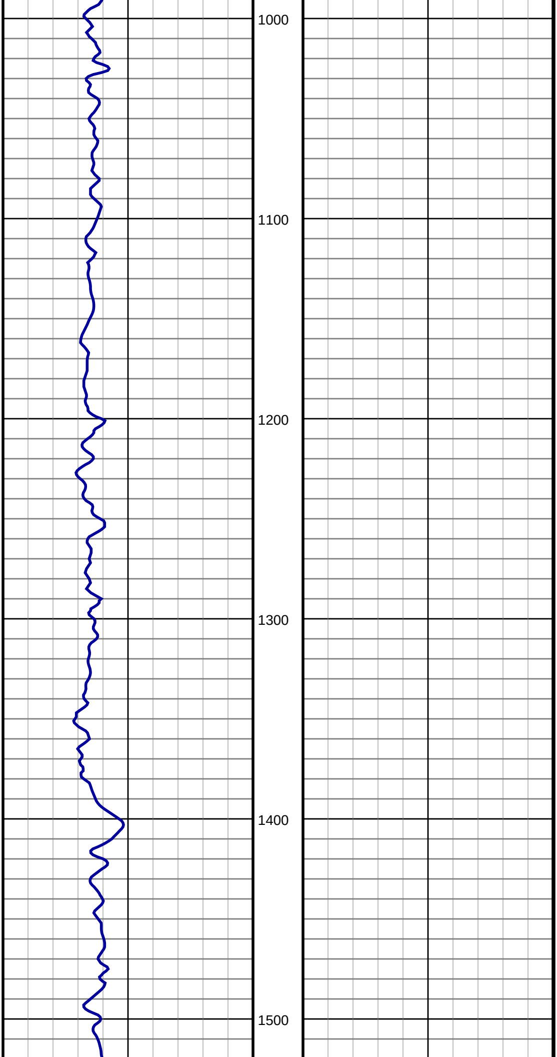
Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4665.5
GL: 4640.5
DF: 4665.5

		Offsets		Depths		Dates	
Run	**Bit Size**	**Gamma**	**Survey**	**Start**	**End**	**Start**	**End**
1	8.75	53.25	48.25	840	7438	4/7/2015	4/9/2015
2	6.125	60.22	55.22	7438	16817	5/3/2015	5/9/2015
3							
4							
5							
6							
7							
8							
9							
10							

Ensign Directional 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.





#10 MD(1011.00) Inc(9.0) Azm(28.2) TVD(1003.28)
VS(-60.54) NS(63.02) EW(77.30) TEMP(0.0)

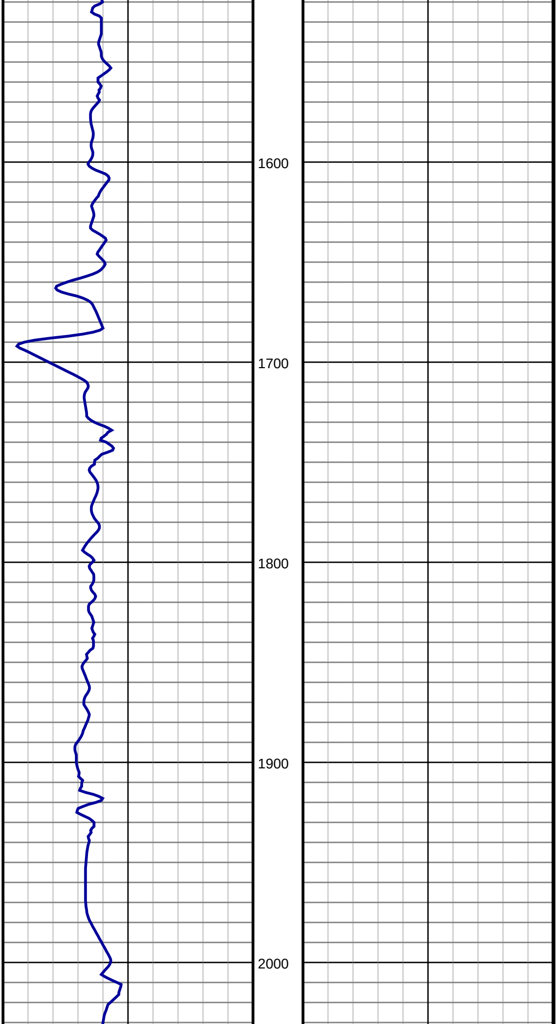
#11 MD(1106.00) Inc(7.9) Azm(28.5) TVD(1097.25)
VS(-72.61) NS(75.30) EW(83.92) TEMP(0.0)

#12 MD(1197.00) Inc(7.1) Azm(38.4) TVD(1187.47)
VS(-82.31) NS(85.21) EW(90.40) TEMP(0.0)

#13 MD(1289.00) Inc(6.9) Azm(38.5) TVD(1278.79)
VS(-90.86) NS(93.99) EW(97.37) TEMP(0.0)

#14 MD(1380.00) Inc(7.1) Azm(40.0) TVD(1369.11)
VS(-99.22) NS(102.57) EW(104.39) TEMP(0.0)

#15 MD(1472.00) Inc(6.6) Azm(38.2) TVD(1460.45)
VS(-107.51) NS(111.08) EW(111.31) TEMP(0.0)



#16 MD(1564.00) Inc(7.6) Azm(35.6) TVD(1551.74)
VS(-116.39) NS(120.19) EW(118.12) TEMP(0.0)

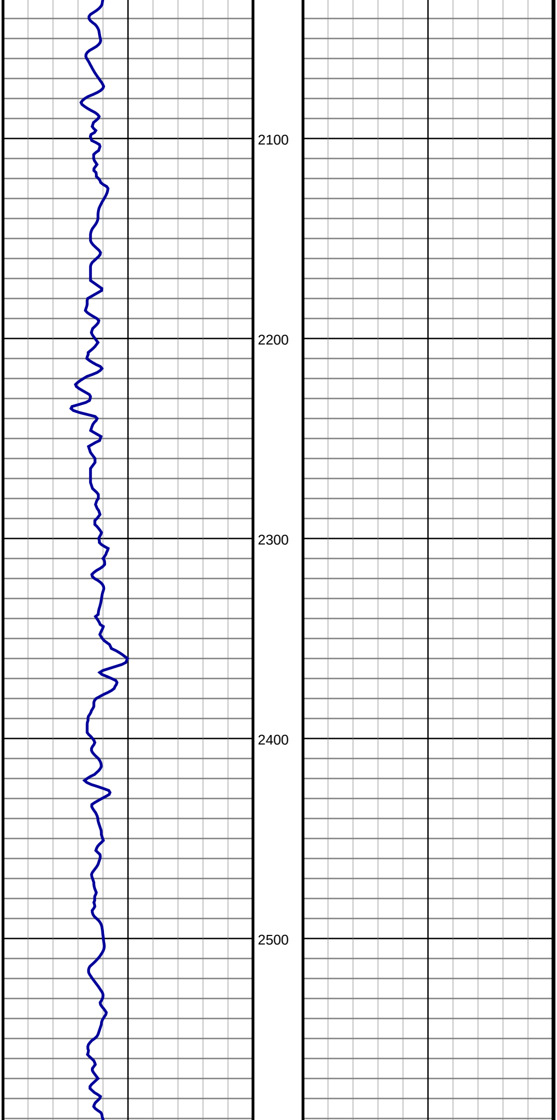
#17 MD(1654.00) Inc(7.5) Azm(43.8) TVD(1640.97)
VS(-125.23) NS(129.26) EW(125.65) TEMP(0.0)

#18 MD(1746.00) Inc(7.2) Azm(42.4) TVD(1732.21)
VS(-133.56) NS(137.86) EW(133.70) TEMP(0.0)

#19 MD(1838.00) Inc(6.5) Azm(36.6) TVD(1823.55)
VS(-141.78) NS(146.29) EW(140.69) TEMP(0.0)

#20 MD(1929.00) Inc(6.9) Azm(43.8) TVD(1913.93)
VS(-149.64) NS(154.37) EW(147.55) TEMP(0.0)

#21 MD(2021.00) Inc(7.7) Azm(38.5) TVD(2005.19)
VS(-158.20) NS(163.19) EW(155.21) TEMP(0.0)



#22 MD(2113.00) Inc(7.5) Azm(29.8) TVD(2096.38)
VS(-168.02) NS(173.22) EW(162.03) TEMP(0.0)

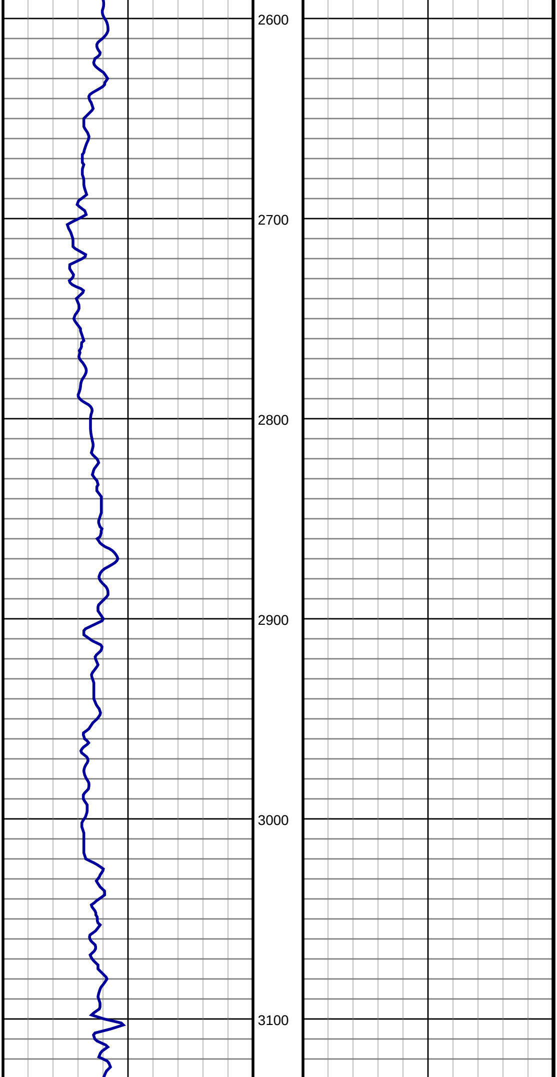
#23 MD(2204.00) Inc(7.4) Azm(43.3) TVD(2186.62)
VS(-177.21) NS(182.64) EW(169.00) TEMP(0.0)

#24 MD(2297.00) Inc(6.4) Azm(37.7) TVD(2278.95)
VS(-185.44) NS(191.10) EW(176.28) TEMP(0.0)

#25 MD(2389.00) Inc(7.7) Azm(43.3) TVD(2370.25)
VS(-193.74) NS(199.64) EW(183.64) TEMP(0.0)

#26 MD(2483.00) Inc(7.6) Azm(37.1) TVD(2463.42)
VS(-203.02) NS(209.18) EW(191.71) TEMP(0.0)

#27 MD(2577.00) Inc(7.3) Azm(33.8) TVD(2556.62)
VS(-212.72) NS(219.10) EW(198.78) TEMP(0.0)



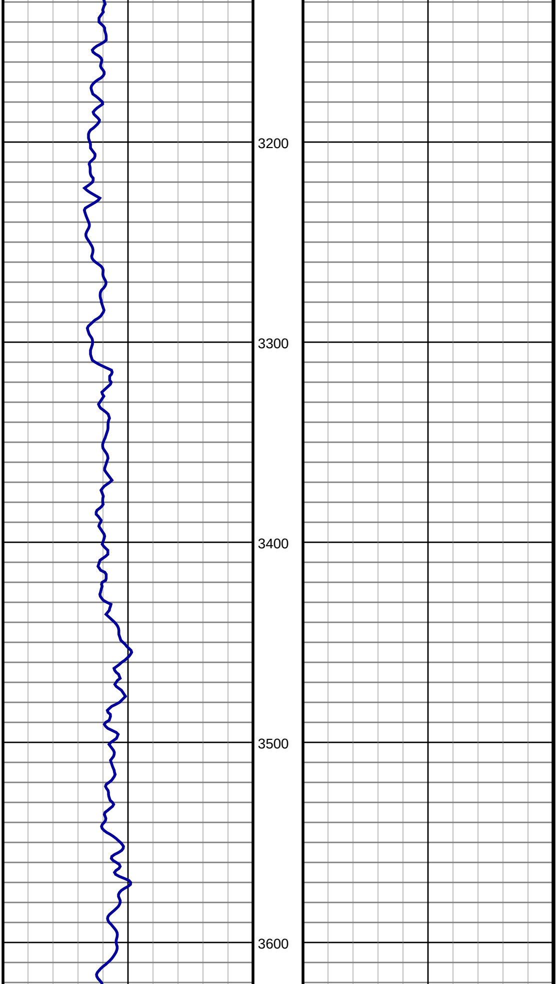
#28 MD(2670.00) Inc(7.7) Azm(44.0) TVD(2648.83)
VS(-221.86) NS(228.50) EW(206.40) TEMP(0.0)

#29 MD(2764.00) Inc(7.8) Azm(42.9) TVD(2741.97)
VS(-230.79) NS(237.70) EW(215.11) TEMP(0.0)

#30 MD(2857.00) Inc(6.9) Azm(39.8) TVD(2834.21)
VS(-239.45) NS(246.61) EW(222.98) TEMP(0.0)

#31 MD(2951.00) Inc(6.6) Azm(34.1) TVD(2927.56)
VS(-248.05) NS(255.43) EW(229.63) TEMP(0.0)

#32 MD(3045.00) Inc(7.4) Azm(32.7) TVD(3020.86)
VS(-257.41) NS(264.99) EW(235.93) TEMP(0.0)



#33 MD(3136.00) Inc(7.5) Azm(31.3) TVD(3111.09)
VS(-267.21) NS(275.00) EW(242.18) TEMP(0.0)

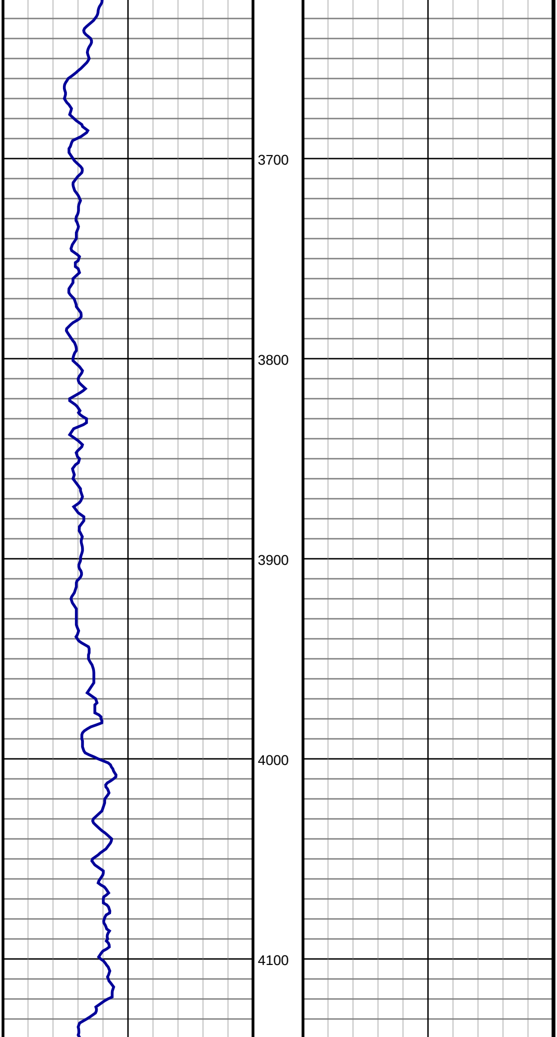
#34 MD(3231.00) Inc(7.3) Azm(40.8) TVD(3205.30)
VS(-276.85) NS(284.87) EW(249.34) TEMP(0.0)

#35 MD(3324.00) Inc(6.3) Azm(37.8) TVD(3297.65)
VS(-285.13) NS(293.37) EW(256.33) TEMP(0.0)

#36 MD(3417.00) Inc(5.7) Azm(37.0) TVD(3390.14)
VS(-292.66) NS(301.09) EW(262.24) TEMP(0.0)

#37 MD(3512.00) Inc(5.9) Azm(35.4) TVD(3484.65)
VS(-300.22) NS(308.84) EW(267.91) TEMP(0.0)

#38 MD(3605.00) Inc(6.7) Azm(40.3) TVD(3577.09)
VS(-308.05) NS(316.87) EW(274.18) TEMP(0.0)



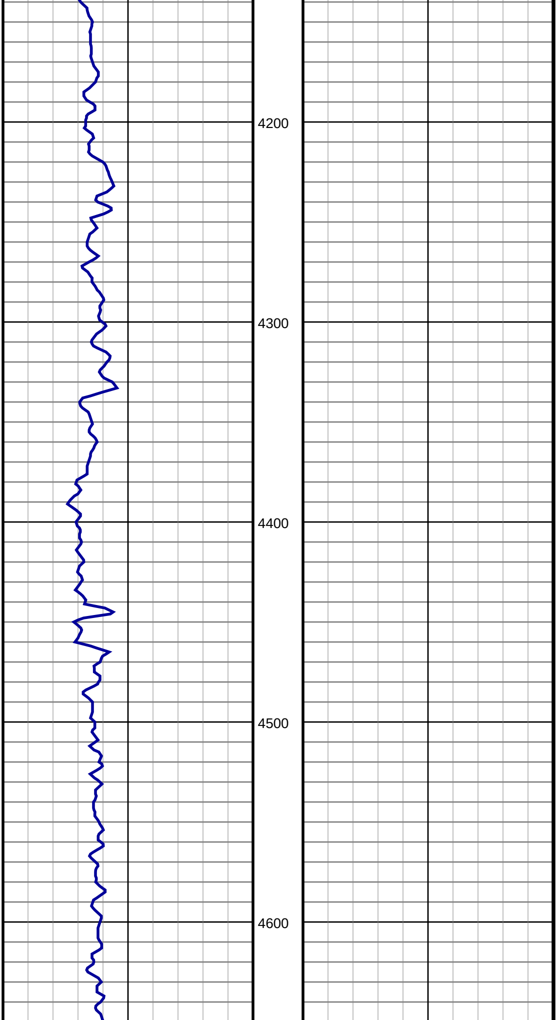
#39 MD(3698.00) Inc(7.0) Azm(39.4) TVD(3669.42)
VS(-316.34) NS(325.39) EW(281.29) TEMP(0.0)

#40 MD(3791.00) Inc(7.3) Azm(39.4) TVD(3761.70)
VS(-325.05) NS(334.33) EW(288.64) TEMP(0.0)

#41 MD(3886.00) Inc(7.7) Azm(40.5) TVD(3855.89)
VS(-334.30) NS(343.84) EW(296.60) TEMP(0.0)

#42 MD(3980.00) Inc(7.8) Azm(41.9) TVD(3949.03)
VS(-343.57) NS(353.37) EW(304.95) TEMP(0.0)

#43 MD(4074.00) Inc(7.5) Azm(42.2) TVD(4042.19)
VS(-352.59) NS(362.67) EW(313.33) TEMP(0.0)



#44 MD(4169.00) Inc(8.5) Azm(39.6) TVD(4136.27)
VS(-362.31) NS(372.67) EW(321.97) TEMP(0.0)

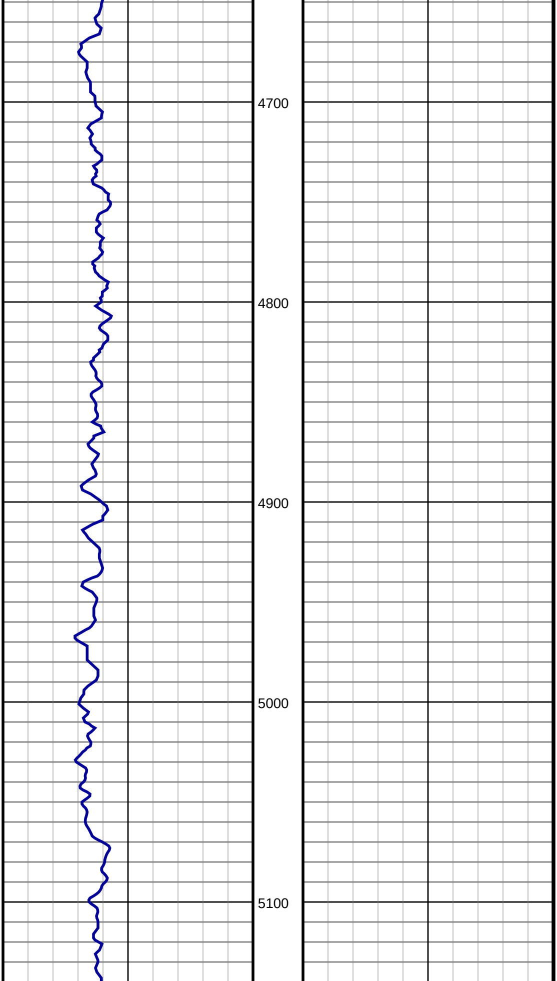
#45 MD(4262.00) Inc(7.9) Azm(39.4) TVD(4228.32)
VS(-372.28) NS(382.90) EW(330.41) TEMP(0.0)

#46 MD(4357.00) Inc(7.2) Azm(36.3) TVD(4322.49)
VS(-381.87) NS(392.75) EW(338.08) TEMP(0.0)

#47 MD(4452.00) Inc(7.4) Azm(40.8) TVD(4416.72)
VS(-391.06) NS(402.18) EW(345.60) TEMP(0.0)

#48 MD(4545.00) Inc(7.0) Azm(40.1) TVD(4508.99)
VS(-399.68) NS(411.04) EW(353.16) TEMP(0.0)

#49 MD(4639.00) Inc(6.1) Azm(37.1) TVD(4602.38)
VS(-407.83) NS(419.41) EW(359.87) TEMP(0.0)



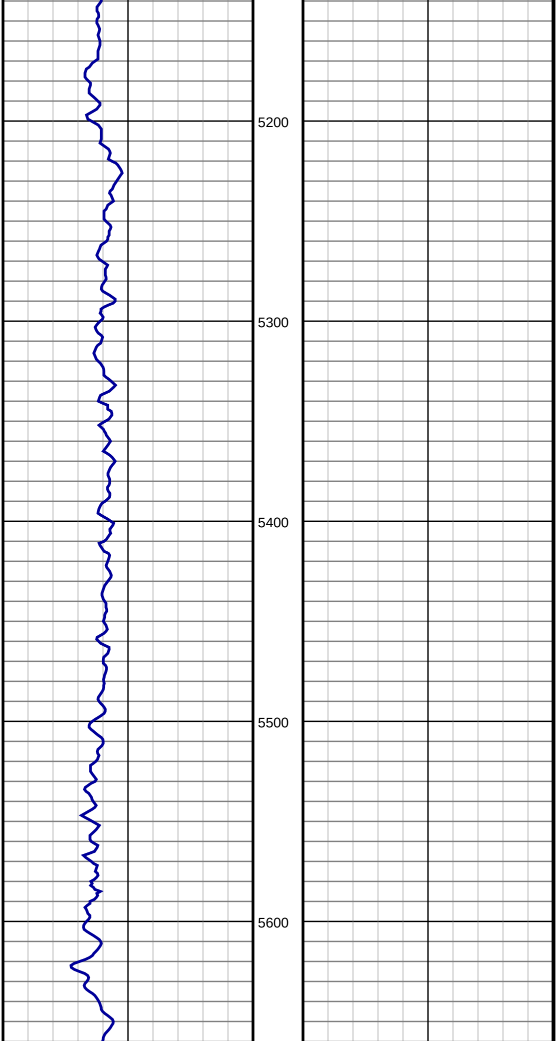
#50 MD(4732.00) Inc(5.5) Azm(39.1) TVD(4694.90)
VS(-415.05) NS(426.81) EW(365.66) TEMP(0.0)

#51 MD(4826.00) Inc(4.0) Azm(25.0) TVD(4788.58)
VS(-421.38) NS(433.28) EW(369.88) TEMP(0.0)

#52 MD(4920.00) Inc(3.4) Azm(19.6) TVD(4882.38)
VS(-426.90) NS(438.87) EW(372.20) TEMP(0.0)

#53 MD(5014.00) Inc(3.1) Azm(16.6) TVD(4976.23)
VS(-431.91) NS(443.94) EW(373.87) TEMP(0.0)

#54 MD(5107.00) Inc(1.6) Azm(2.3) TVD(5069.15)
VS(-435.59) NS(447.64) EW(374.64) TEMP(0.0)



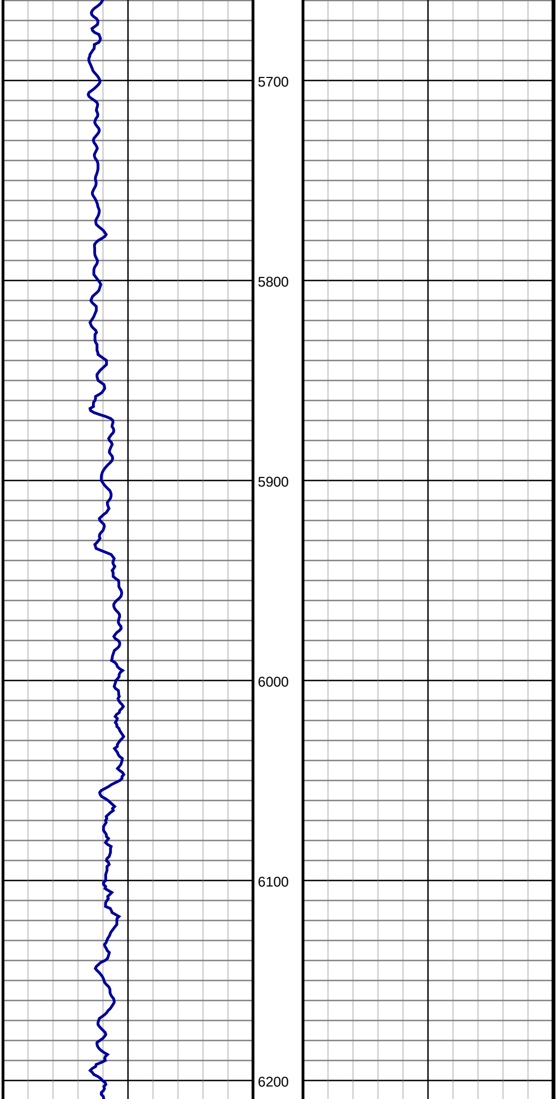
#55 MD(5202.00) Inc(1.3) Azm(356.9) TVD(5164.12)
VS(-437.99) NS(450.05) EW(374.63) TEMP(0.0)

#56 MD(5296.00) Inc(1.0) Azm(353.5) TVD(5258.10)
VS(-439.87) NS(451.92) EW(374.48) TEMP(0.0)

#57 MD(5389.00) Inc(1.0) Azm(1.8) TVD(5351.09)
VS(-441.49) NS(453.54) EW(374.41) TEMP(0.0)

#58 MD(5484.00) Inc(0.9) Azm(13.8) TVD(5446.07)
VS(-443.04) NS(455.10) EW(374.62) TEMP(0.0)

#59 MD(5578.00) Inc(1.3) Azm(64.2) TVD(5540.06)
VS(-444.18) NS(456.28) EW(375.75) TEMP(0.0)



#60 MD(5672.00) Inc(1.2) Azm(96.0) TVD(5634.04)
VS(-444.48) NS(456.64) EW(377.69) TEMP(0.0)

#61 MD(5766.00) Inc(1.2) Azm(201.8) TVD(5728.02)
VS(-443.44) NS(455.62) EW(378.31) TEMP(0.0)

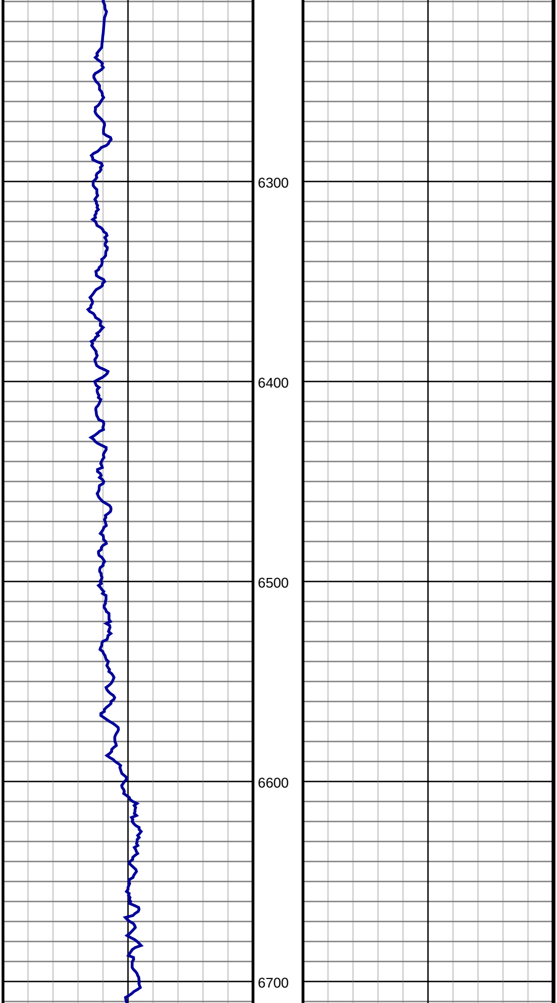
#62 MD(5860.00) Inc(1.1) Azm(208.2) TVD(5822.01)
VS(-441.76) NS(453.91) EW(377.51) TEMP(0.0)

#63 MD(5953.00) Inc(1.1) Azm(229.4) TVD(5914.99)
VS(-440.43) NS(452.54) EW(376.42) TEMP(0.0)

#64 MD(6048.00) Inc(1.0) Azm(233.0) TVD(6009.97)
VS(-439.38) NS(451.45) EW(375.06) TEMP(0.0)

#65 MD(6142.00) Inc(0.6) Azm(234.7) TVD(6103.96)
VS(-438.64) NS(450.67) EW(374.00) TEMP(0.0)

#66 MD(6189.00) Inc(0.8) Azm(232.6) TVD(6150.96)
VS(-438.31) NS(450.33) EW(373.54) TEMP(0.0)



#67 MD(6236.00) Inc(1.1) Azm(204.8) TVD(6197.95)
VS(-437.71) NS(449.72) EW(373.09) TEMP(0.0)

#68 MD(6283.00) Inc(3.4) Azm(183.7) TVD(6244.91)
VS(-435.92) NS(447.92) EW(372.81) TEMP(0.0)

#69 MD(6329.00) Inc(6.3) Azm(177.6) TVD(6290.75)
VS(-432.04) NS(444.04) EW(372.83) TEMP(0.0)

#70 MD(6376.00) Inc(10.3) Azm(175.8) TVD(6337.24)
VS(-425.26) NS(437.27) EW(373.25) TEMP(0.0)

#71 MD(6423.00) Inc(13.5) Azm(176.7) TVD(6383.23)
VS(-415.58) NS(427.60) EW(373.87) TEMP(0.0)

#72 MD(6470.00) Inc(16.2) Azm(177.1) TVD(6428.65)
VS(-403.54) NS(415.57) EW(374.52) TEMP(0.0)

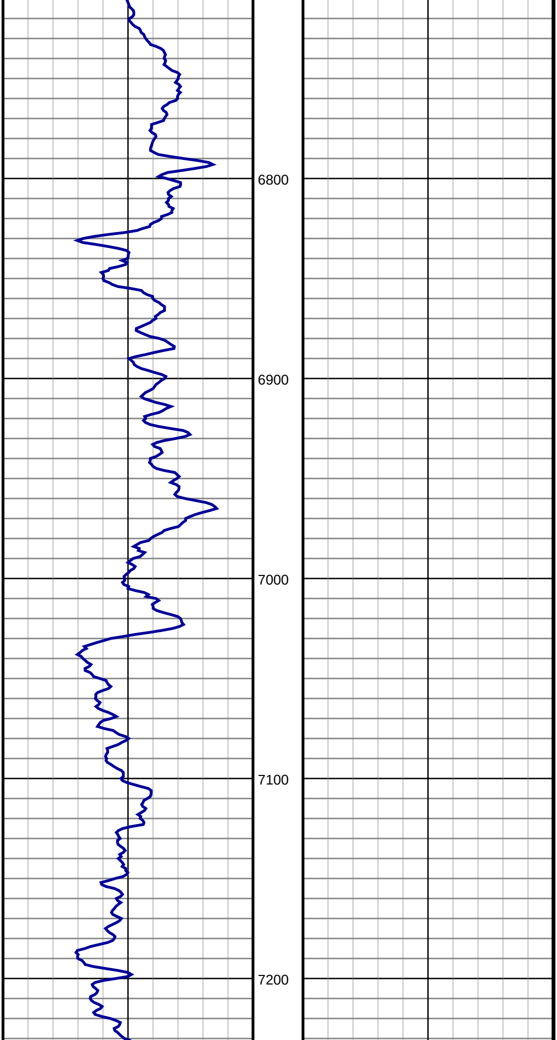
#73 MD(6516.00) Inc(18.5) Azm(176.7) TVD(6472.56)
VS(-389.82) NS(401.88) EW(375.26) TEMP(0.0)

#74 MD(6563.00) Inc(22.4) Azm(180.2) TVD(6516.59)
VS(-373.41) NS(385.47) EW(375.66) TEMP(0.0)

#75 MD(6609.00) Inc(27.1) Azm(181.6) TVD(6558.35)
VS(-354.18) NS(366.22) EW(375.34) TEMP(0.0)

#76 MD(6656.00) Inc(32.1) Azm(181.1) TVD(6599.21)
VS(-331.01) NS(343.02) EW(374.80) TEMP(0.0)

#77 MD(6703.00) Inc(36.3) Azm(178.6) TVD(6638.07)
VS(-304.61) NS(316.61) EW(374.90) TEMP(0.0)



#78 MD(6750.00) Inc(39.7) Azm(177.8) TVD(6675.10)
VS(-275.68) NS(287.70) EW(375.82) TEMP(0.0)

#79 MD(6797.00) Inc(42.9) Azm(176.9) TVD(6710.41)
VS(-244.67) NS(256.71) EW(377.26) TEMP(0.0)

#80 MD(6844.00) Inc(45.7) Azm(177.1) TVD(6744.04)
VS(-211.85) NS(223.94) EW(378.97) TEMP(0.0)

#81 MD(6891.00) Inc(49.4) Azm(177.9) TVD(6775.76)
VS(-177.18) NS(189.30) EW(380.48) TEMP(0.0)

#82 MD(6938.00) Inc(53.6) Azm(179.0) TVD(6805.01)
VS(-140.41) NS(152.54) EW(381.46) TEMP(0.0)

#83 MD(6985.00) Inc(56.9) Azm(178.8) TVD(6831.80)
VS(-101.80) NS(113.93) EW(382.21) TEMP(0.0)

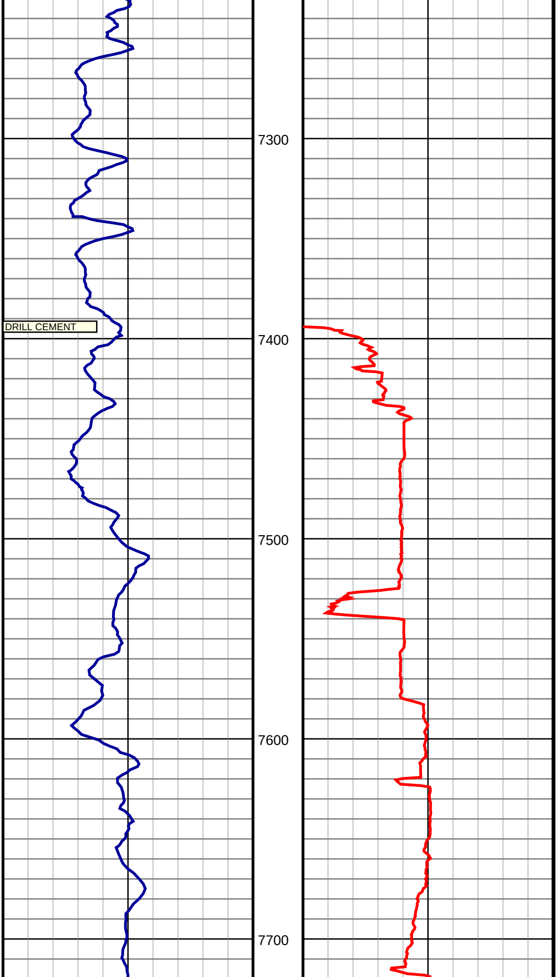
#84 MD(7032.00) Inc(59.7) Azm(181.1) TVD(6856.49)
VS(-61.84) NS(73.95) EW(382.23) TEMP(0.0)

#85 MD(7078.00) Inc(63.8) Azm(180.6) TVD(6878.26)
VS(-21.37) NS(33.44) EW(381.63) TEMP(0.0)

#86 MD(7125.00) Inc(67.3) Azm(182.2) TVD(6897.71)
VS(21.34) NS(-9.32) EW(380.58) TEMP(0.0)

#87 MD(7173.00) Inc(71.3) Azm(180.2) TVD(6914.68)
VS(66.16) NS(-54.20) EW(379.65) TEMP(0.0)

#88 MD(7220.00) Inc(75.1) Azm(180.8) TVD(6928.26)
VS(111.11) NS(-99.18) EW(379.25) TEMP(0.0)



#89 MD(7266.00) Inc(80.6) Azm(180.9) TVD(6937.94)
VS(156.02) NS(-144.13) EW(378.59) TEMP(0.0)

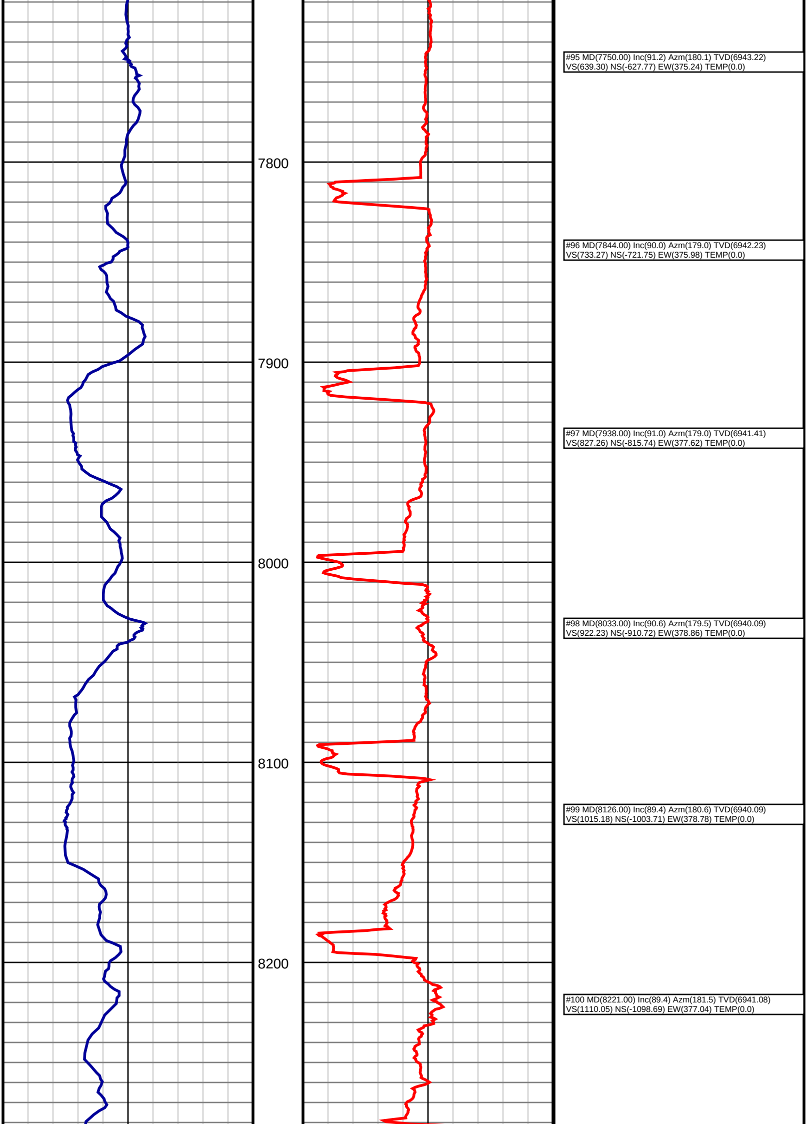
#90 MD(7313.00) Inc(86.8) Azm(180.4) TVD(6943.09)
VS(202.67) NS(-190.82) EW(378.06) TEMP(0.0)

#91 MD(7344.00) Inc(89.2) Azm(180.8) TVD(6944.18)
VS(233.62) NS(-221.80) EW(377.73) TEMP(0.0)

#92 MD(7468.00) Inc(90.7) Azm(180.9) TVD(6944.28)
VS(357.48) NS(-345.78) EW(375.89) TEMP(0.0)

#93 MD(7562.00) Inc(89.6) Azm(180.2) TVD(6944.04)
VS(451.40) NS(-439.77) EW(374.99) TEMP(0.0)

#94 MD(7656.00) Inc(90.1) Azm(179.7) TVD(6944.28)
VS(545.35) NS(-533.77) EW(375.07) TEMP(0.0)



#95 MD(7750.00) Inc(91.2) Azm(180.1) TVD(6943.22)
VS(639.30) NS(-627.77) EW(375.24) TEMP(0.0)

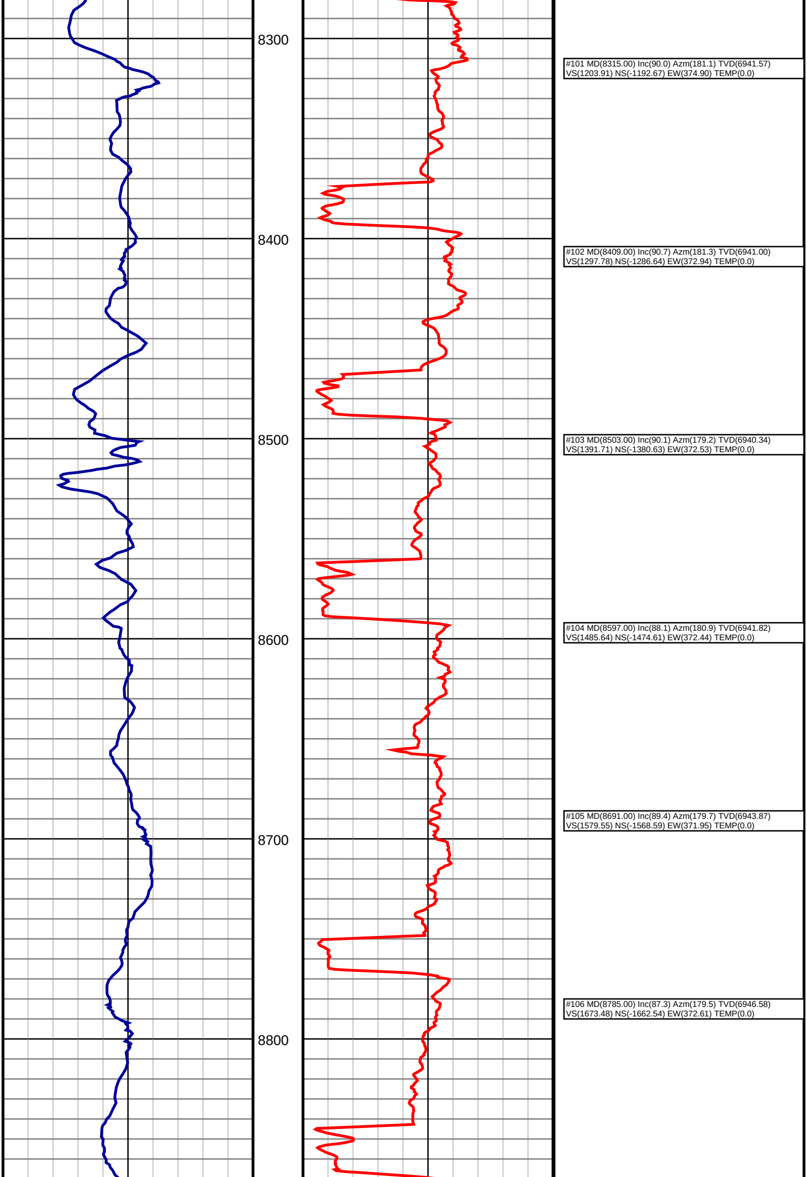
#96 MD(7844.00) Inc(90.0) Azm(179.0) TVD(6942.23)
VS(733.27) NS(-721.75) EW(375.98) TEMP(0.0)

#97 MD(7938.00) Inc(91.0) Azm(179.0) TVD(6941.41)
VS(827.26) NS(-815.74) EW(377.62) TEMP(0.0)

#98 MD(8033.00) Inc(90.6) Azm(179.5) TVD(6940.09)
VS(922.23) NS(-910.72) EW(378.86) TEMP(0.0)

#99 MD(8126.00) Inc(89.4) Azm(180.6) TVD(6940.09)
VS(1015.18) NS(-1003.71) EW(378.78) TEMP(0.0)

#100 MD(8221.00) Inc(89.4) Azm(181.5) TVD(6941.08)
VS(1110.05) NS(-1098.69) EW(377.04) TEMP(0.0)



#101 MD(8315.00) Inc(90.0) Azm(181.1) TVD(6941.57)
VS(1203.91) NS(-1192.67) EW(374.90) TEMP(0.0)

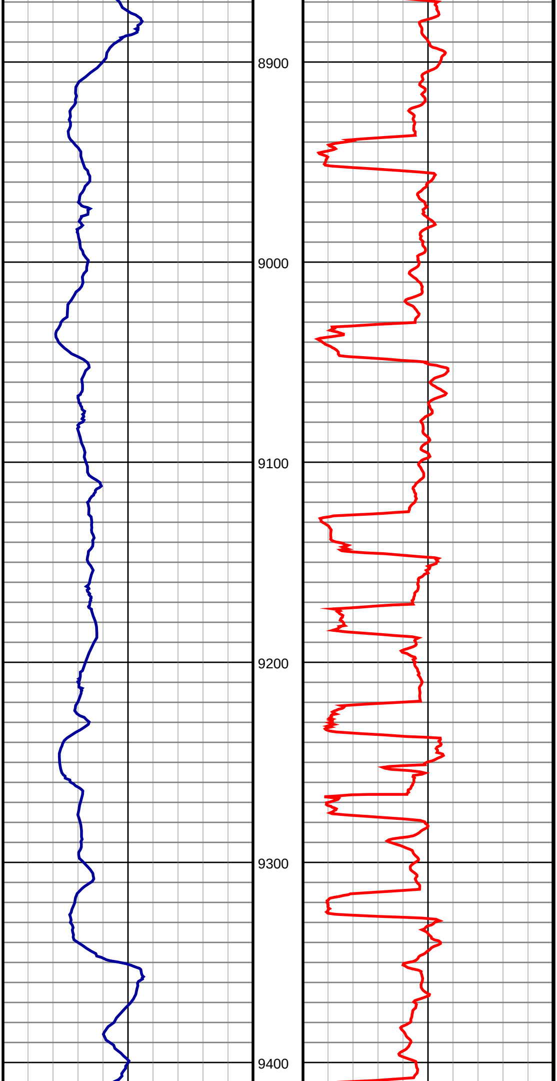
#102 MD(8409.00) Inc(90.7) Azm(181.3) TVD(6941.00)
VS(1297.78) NS(-1286.64) EW(372.94) TEMP(0.0)

#103 MD(8503.00) Inc(90.1) Azm(179.2) TVD(6940.34)
VS(1391.71) NS(-1380.63) EW(372.53) TEMP(0.0)

#104 MD(8597.00) Inc(88.1) Azm(180.9) TVD(6941.82)
VS(1485.64) NS(-1474.61) EW(372.44) TEMP(0.0)

#105 MD(8691.00) Inc(89.4) Azm(179.7) TVD(6943.87)
VS(1579.55) NS(-1568.59) EW(371.95) TEMP(0.0)

#106 MD(8785.00) Inc(87.3) Azm(179.5) TVD(6946.58)
VS(1673.48) NS(-1662.54) EW(372.61) TEMP(0.0)



#107 MD(8880.00) Inc(86.3) Azm(181.3) TVD(6951.88)
VS(1768.26) NS(-1757.39) EW(371.95) TEMP(0.0)

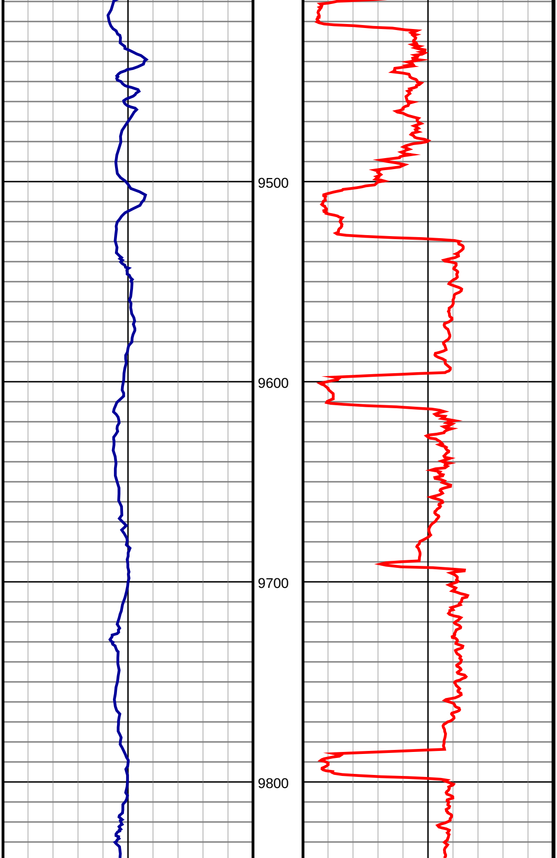
#108 MD(8974.00) Inc(87.1) Azm(182.5) TVD(6957.29)
VS(1861.90) NS(-1851.18) EW(368.84) TEMP(0.0)

#109 MD(9067.00) Inc(87.9) Azm(182.9) TVD(6961.35)
VS(1954.52) NS(-1943.98) EW(364.46) TEMP(0.0)

#110 MD(9162.00) Inc(91.5) Azm(183.4) TVD(6961.85)
VS(2049.15) NS(-2038.82) EW(359.24) TEMP(0.0)

#111 MD(9256.00) Inc(93.3) Azm(180.8) TVD(6957.91)
VS(2142.84) NS(-2132.66) EW(355.80) TEMP(0.0)

#112 MD(9350.00) Inc(92.9) Azm(179.2) TVD(6952.83)
VS(2236.65) NS(-2226.52) EW(355.80) TEMP(0.0)



#113 MD(9444.00) Inc(92.2) Azm(177.4) TVD(6948.64)
VS(2330.55) NS(-2320.38) EW(358.58) TEMP(0.0)

#114 MD(9538.00) Inc(89.4) Azm(178.8) TVD(6947.33)
VS(2424.53) NS(-2414.31) EW(361.70) TEMP(0.0)

#115 MD(9633.00) Inc(90.0) Azm(182.2) TVD(6947.83)
VS(2519.44) NS(-2509.29) EW(360.87) TEMP(0.0)

#116 MD(9727.00) Inc(90.0) Azm(183.0) TVD(6947.83)
VS(2613.16) NS(-2603.20) EW(356.61) TEMP(0.0)

#117 MD(9821.00) Inc(89.9) Azm(182.2) TVD(6947.91)
VS(2706.88) NS(-2697.10) EW(352.34) TEMP(0.0)

#118 MD(9916.00) Inc(89.6) Azm(179.4) TVD(6948.32)
VS(2801.77) NS(-2792.08) EW(351.02) TEMP(0.0)

#119 MD(10010.00) Inc(90.0) Azm(180.4) TVD(6948.65)
VS(2895.73) NS(-2886.08) EW(351.18) TEMP(0.0)

#120 MD(10104.00) Inc(89.9) Azm(179.4) TVD(6948.73)
VS(2989.68) NS(-2980.07) EW(351.34) TEMP(0.0)

#121 MD(10198.00) Inc(90.6) Azm(179.0) TVD(6948.32)
VS(3083.67) NS(-3074.06) EW(352.66) TEMP(0.0)

#122 MD(10293.00) Inc(91.1) Azm(178.1) TVD(6946.92)
VS(3178.65) NS(-3169.02) EW(355.06) TEMP(0.0)

#123 MD(10387.00) Inc(90.3) Azm(178.1) TVD(6945.77)
VS(3272.65) NS(-3262.96) EW(358.18) TEMP(0.0)

#124 MD(10479.00) Inc(91.5) Azm(176.9) TVD(6944.32)
VS(3364.63) NS(-3354.86) EW(362.19) TEMP(0.0)

#125 MD(10571.00) Inc(90.6) Azm(177.1) TVD(6942.64)
VS(3456.59) NS(-3446.72) EW(367.00) TEMP(0.0)

#126 MD(10662.00) Inc(88.4) Azm(178.8) TVD(6943.43)
VS(3547.58) NS(-3537.65) EW(370.26) TEMP(0.0)

#127 MD(10754.00) Inc(86.3) Azm(181.1) TVD(6947.68)
VS(3639.42) NS(-3629.54) EW(370.34) TEMP(0.0)

#128 MD(10845.00) Inc(89.3) Azm(181.5) TVD(6951.18)
VS(3730.21) NS(-3720.44) EW(368.28) TEMP(0.0)

#129 MD(10937.00) Inc(88.5) Azm(179.4) TVD(6952.94)
VS(3822.12) NS(-3812.41) EW(367.55) TEMP(0.0)

#130 MD(11029.00) Inc(88.9) Azm(182.5) TVD(6955.03)
VS(3913.98) NS(-3904.36) EW(366.03) TEMP(0.0)

#131 MD(11120.00) Inc(90.1) Azm(181.1) TVD(6955.82)
VS(4004.79) NS(-3995.31) EW(363.17) TEMP(0.0)

#132 MD(11211.00) Inc(92.3) Azm(182.5) TVD(6953.92)
VS(4095.58) NS(-4086.24) EW(360.31) TEMP(0.0)

#133 MD(11302.00) Inc(92.7) Azm(180.2) TVD(6949.95)
VS(4186.35) NS(-4177.12) EW(358.17) TEMP(0.0)

#134 MD(11394.00) Inc(91.5) Azm(181.6) TVD(6946.58)
VS(4278.18) NS(-4269.04) EW(356.73) TEMP(0.0)

#135 MD(11486.00) Inc(89.6) Azm(179.9) TVD(6945.69)
VS(4370.08) NS(-4361.02) EW(355.52) TEMP(0.0)

#136 MD(11577.00) Inc(87.8) Azm(181.1) TVD(6947.76)
VS(4460.97) NS(-4451.99) EW(354.73) TEMP(0.0)

#137 MD(11668.00) Inc(89.3) Azm(182.0) TVD(6950.06)
VS(4551.78) NS(-4542.92) EW(352.27) TEMP(0.0)

#138 MD(11760.00) Inc(91.6) Azm(181.6) TVD(6949.34)
VS(4643.59) NS(-4634.87) EW(349.38) TEMP(0.0)

#139 MD(11851.00) Inc(90.0) Azm(182.3) TVD(6948.07)
VS(4734.38) NS(-4725.80) EW(346.28) TEMP(0.0)

#140 MD(11943.00) Inc(91.0) Azm(181.1) TVD(6947.27)
VS(4826.21) NS(-4817.76) EW(343.55) TEMP(0.0)

#141 MD(12034.00) Inc(90.3) Azm(180.4) TVD(6946.23)
VS(4917.11) NS(-4908.74) EW(342.36) TEMP(0.0)

#142 MD(12126.00) Inc(91.1) Azm(179.2) TVD(6945.11)
VS(5009.06) NS(-5000.73) EW(342.68) TEMP(0.0)

#143 MD(12217.00) Inc(90.3) Azm(178.8) TVD(6944.00)
VS(5100.04) NS(-5091.71) EW(344.27) TEMP(0.0)

#144 MD(12310.00) Inc(89.3) Azm(180.1) TVD(6944.32)
VS(5193.02) NS(-5184.70) EW(345.16) TEMP(0.0)

#145 MD(12401.00) Inc(90.9) Azm(181.6) TVD(6944.16)
VS(5283.91) NS(-5275.69) EW(343.81) TEMP(0.0)

#146 MD(12492.00) Inc(90.1) Azm(178.8) TVD(6943.37)
VS(5374.85) NS(-5366.67) EW(343.50) TEMP(0.0)

#147 MD(12584.00) Inc(88.6) Azm(177.9) TVD(6944.41)
VS(5466.84) NS(-5458.63) EW(346.15) TEMP(0.0)

#148 MD(12676.00) Inc(88.1) Azm(179.4) TVD(6947.06)
VS(5558.79) NS(-5550.56) EW(348.31) TEMP(0.0)

#149 MD(12767.00) Inc(89.3) Azm(179.7) TVD(6949.13)
VS(5649.74) NS(-5641.53) EW(349.03) TEMP(0.0)

#150 MD(12859.00) Inc(88.8) Azm(181.6) TVD(6950.65)
VS(5741.64) NS(-5733.51) EW(347.98) TEMP(0.0)

#151 MD(12950.00) Inc(90.4) Azm(181.1) TVD(6951.29)
VS(5832.50) NS(-5824.48) EW(345.84) TEMP(0.0)

#152 MD(13042.00) Inc(91.2) Azm(181.5) TVD(6950.00)
VS(5924.35) NS(-5916.44) EW(343.75) TEMP(0.0)

#153 MD(13136.00) Inc(91.5) Azm(180.6) TVD(6947.79)
VS(6018.21) NS(-6010.40) EW(342.03) TEMP(0.0)

#154 MD(13230.00) Inc(90.9) Azm(180.9) TVD(6945.82)
VS(6112.09) NS(-6104.37) EW(340.80) TEMP(0.0)

#155 MD(13323.00) Inc(90.0) Azm(180.1) TVD(6945.09)
VS(6205.01) NS(-6197.36) EW(339.99) TEMP(0.0)

#156 MD(13418.00) Inc(89.2) Azm(181.8) TVD(6945.75)
VS(6299.89) NS(-6292.34) EW(338.41) TEMP(0.0)

#157 MD(13512.00) Inc(89.5) Azm(180.2) TVD(6946.82)
VS(6393.77) NS(-6386.32) EW(336.77) TEMP(0.0)

#158 MD(13606.00) Inc(89.1) Azm(181.3) TVD(6947.97)
VS(6487.67) NS(-6480.30) EW(335.54) TEMP(0.0)

#159 MD(13700.00) Inc(89.4) Azm(180.8) TVD(6949.20)
VS(6581.54) NS(-6574.28) EW(333.82) TEMP(0.0)

#160 MD(13794.00) Inc(90.4) Azm(178.8) TVD(6949.36)
VS(6675.50) NS(-6668.27) EW(334.15) TEMP(0.0)

#161 MD(13889.00) Inc(90.7) Azm(179.7) TVD(6948.45)
VS(6770.48) NS(-6763.26) EW(335.39) TEMP(0.0)

#162 MD(13982.00) Inc(89.9) Azm(179.2) TVD(6947.96)
VS(6863.45) NS(-6856.25) EW(336.29) TEMP(0.0)

#163 MD(14076.00) Inc(88.5) Azm(180.2) TVD(6949.28)
VS(6957.41) NS(-6950.24) EW(336.78) TEMP(0.0)

#164 MD(14169.00) Inc(89.7) Azm(179.4) TVD(6950.74)
VS(7050.36) NS(-7043.22) EW(337.10) TEMP(0.0)

#165 MD(14264.00) Inc(89.7) Azm(181.1) TVD(6951.23)
VS(7145.29) NS(-7138.22) EW(336.69) TEMP(0.0)

#166 MD(14358.00) Inc(90.6) Azm(179.9) TVD(6950.99)
VS(7239.21) NS(-7232.21) EW(335.87) TEMP(0.0)

#167 MD(14452.00) Inc(90.3) Azm(180.6) TVD(6950.25)
VS(7333.15) NS(-7326.21) EW(335.46) TEMP(0.0)

#168 MD(14546.00) Inc(89.5) Azm(180.9) TVD(6950.41)
VS(7427.05) NS(-7420.20) EW(334.23) TEMP(0.0)

#169 MD(14640.00) Inc(88.7) Azm(181.6) TVD(6951.89)
VS(7520.91) NS(-7514.16) EW(332.18) TEMP(0.0)

#170 MD(14734.00) Inc(89.7) Azm(182.5) TVD(6953.20)
VS(7614.68) NS(-7608.09) EW(328.81) TEMP(0.0)

#171 MD(14827.00) Inc(90.2) Azm(182.0) TVD(6953.28)
VS(7707.45) NS(-7701.02) EW(325.16) TEMP(0.0)

#172 MD(14922.00) Inc(90.6) Azm(181.8) TVD(6952.62)
VS(7802.25) NS(-7795.96) EW(322.01) TEMP(0.0)

#173 MD(15016.00) Inc(90.3) Azm(180.9) TVD(6951.88)
VS(7896.10) NS(-7889.93) EW(319.80) TEMP(0.0)

#174 MD(15110.00) Inc(90.5) Azm(180.4) TVD(6951.23)
VS(7990.01) NS(-7983.93) EW(318.73) TEMP(0.0)

#175 MD(15204.00) Inc(90.1) Azm(180.8) TVD(6950.73)
VS(8083.93) NS(-8077.92) EW(317.75) TEMP(0.0)

#176 MD(15298.00) Inc(90.7) Azm(180.1) TVD(6950.08)
VS(8177.85) NS(-8171.91) EW(317.01) TEMP(0.0)

#177 MD(15393.00) Inc(90.7) Azm(179.7) TVD(6948.92)
VS(8272.80) NS(-8266.91) EW(317.18) TEMP(0.0)

#178 MD(15487.00) Inc(89.6) Azm(181.3) TVD(6948.67)
VS(8366.72) NS(-8360.90) EW(316.36) TEMP(0.0)

#179 MD(15581.00) Inc(90.7) Azm(180.1) TVD(6948.42)
VS(8460.62) NS(-8454.89) EW(315.21) TEMP(0.0)

#180 MD(15674.00) Inc(90.0) Azm(180.6) TVD(6947.86)
VS(8553.56) NS(-8547.88) EW(314.64) TEMP(0.0)

#181 MD(15769.00) Inc(89.8) Azm(181.3) TVD(6948.02)
VS(8648.44) NS(-8642.87) EW(313.06) TEMP(0.0)

#182 MD(15863.00) Inc(88.7) Azm(180.6) TVD(6949.25)
VS(8742.33) NS(-8736.85) EW(311.51) TEMP(0.0)

#183 MD(15957.00) Inc(89.5) Azm(180.1) TVD(6950.73)
VS(8836.25) NS(-8830.83) EW(310.93) TEMP(0.0)

#184 MD(16052.00) Inc(90.3) Azm(179.2) TVD(6950.90)
VS(8931.21) NS(-8925.83) EW(311.51) TEMP(0.0)

#185 MD(16146.00) Inc(89.4) Azm(179.5) TVD(6951.14)
VS(9025.19) NS(-9019.82) EW(312.58) TEMP(0.0)

#186 MD(16241.00) Inc(88.6) Azm(180.8) TVD(6952.80)
VS(9120.12) NS(-9114.80) EW(312.33) TEMP(0.0)

#187 MD(16335.00) Inc(89.7) Azm(180.2) TVD(6954.19)
VS(9214.03) NS(-9208.79) EW(311.51) TEMP(0.0)

#188 MD(16429.00) Inc(89.7) Azm(179.0) TVD(6954.69)
VS(9308.00) NS(-9302.78) EW(312.17) TEMP(0.0)

#189 MD(16523.00) Inc(90.2) Azm(180.1) TVD(6954.77)
VS(9401.97) NS(-9396.78) EW(312.90) TEMP(0.0)

#190 MD(16618.00) Inc(91.1) Azm(179.2) TVD(6953.69)
VS(9496.93) NS(-9491.77) EW(313.48) TEMP(0.0)

#191 MD(16712.00) Inc(92.2) Azm(178.5) TVD(6950.98)
VS(9590.89) NS(-9585.71) EW(315.37) TEMP(0.0)

#192 MD(16760.00) Inc(92.5) Azm(177.2) TVD(6949.02)
VS(9638.84) NS(-9633.63) EW(317.17) TEMP(0.0)

Projection @ Bit
(16817'MD) Inc:92.5
Azm:177.2
TVD:6946.53
VS:9695.78