



# TRISHA LC29-76HNB

MD  
1" : 100'

Company: NOBLE ENERGY  
Well Name: TRISHA LC29-76HNB  
API: 05-123-38779  
Rig Id: H&P 326  
State: CO  
County/Parish: WELD  
Country: USA  
Survey Company: DrilTech L.L.C.  
Job number: 2014-178-DCDT-CO

Log measurements:  
Depth measured from: 641  
Maximum temperature: 231.1

Depth Date  
Start: 641 ft 4/25/14  
End: 15585 ft 5/4/14

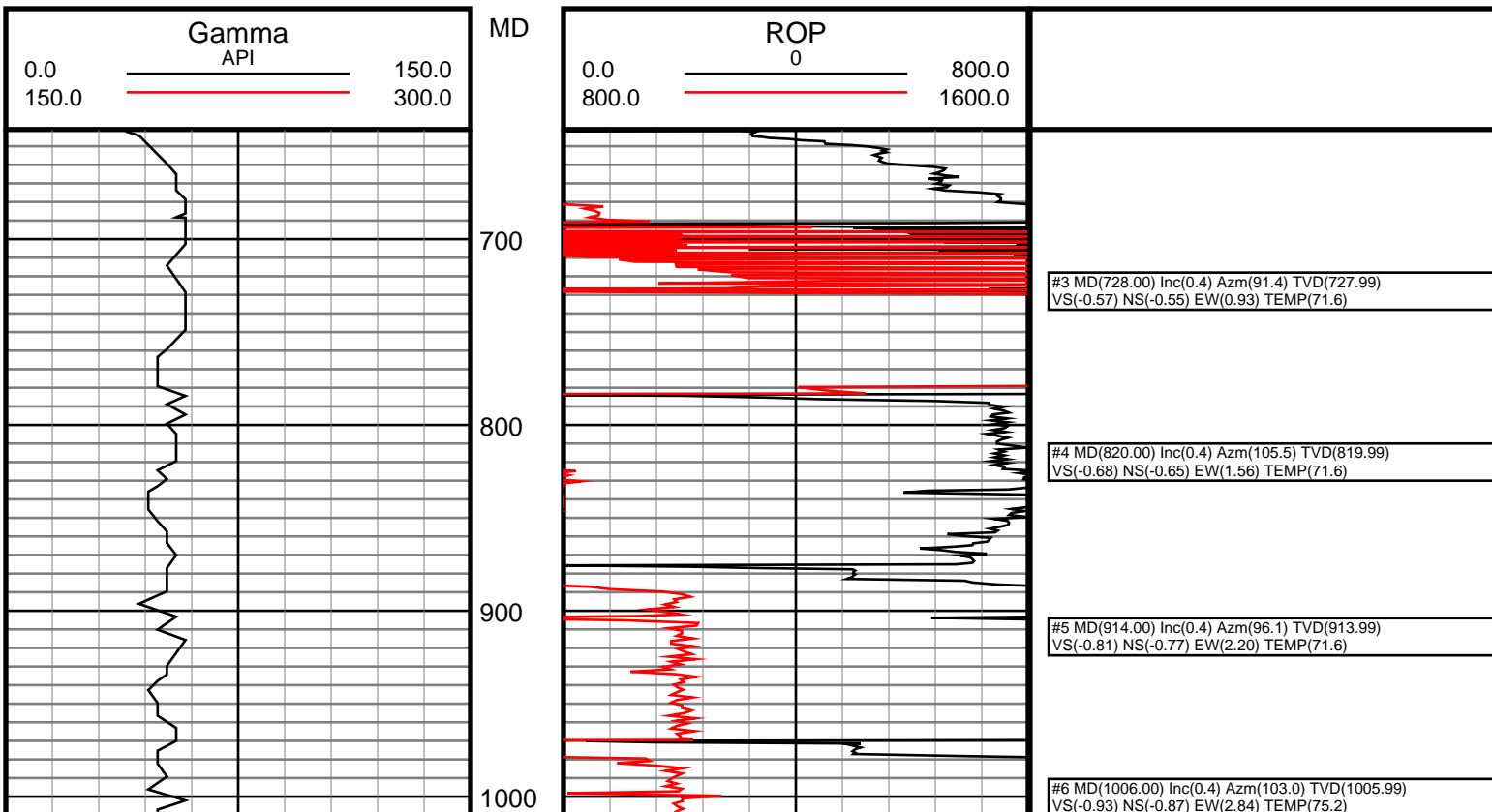
Casing Depth Size  
Surface: 631 9 5/8  
Intermediate: 6497 7

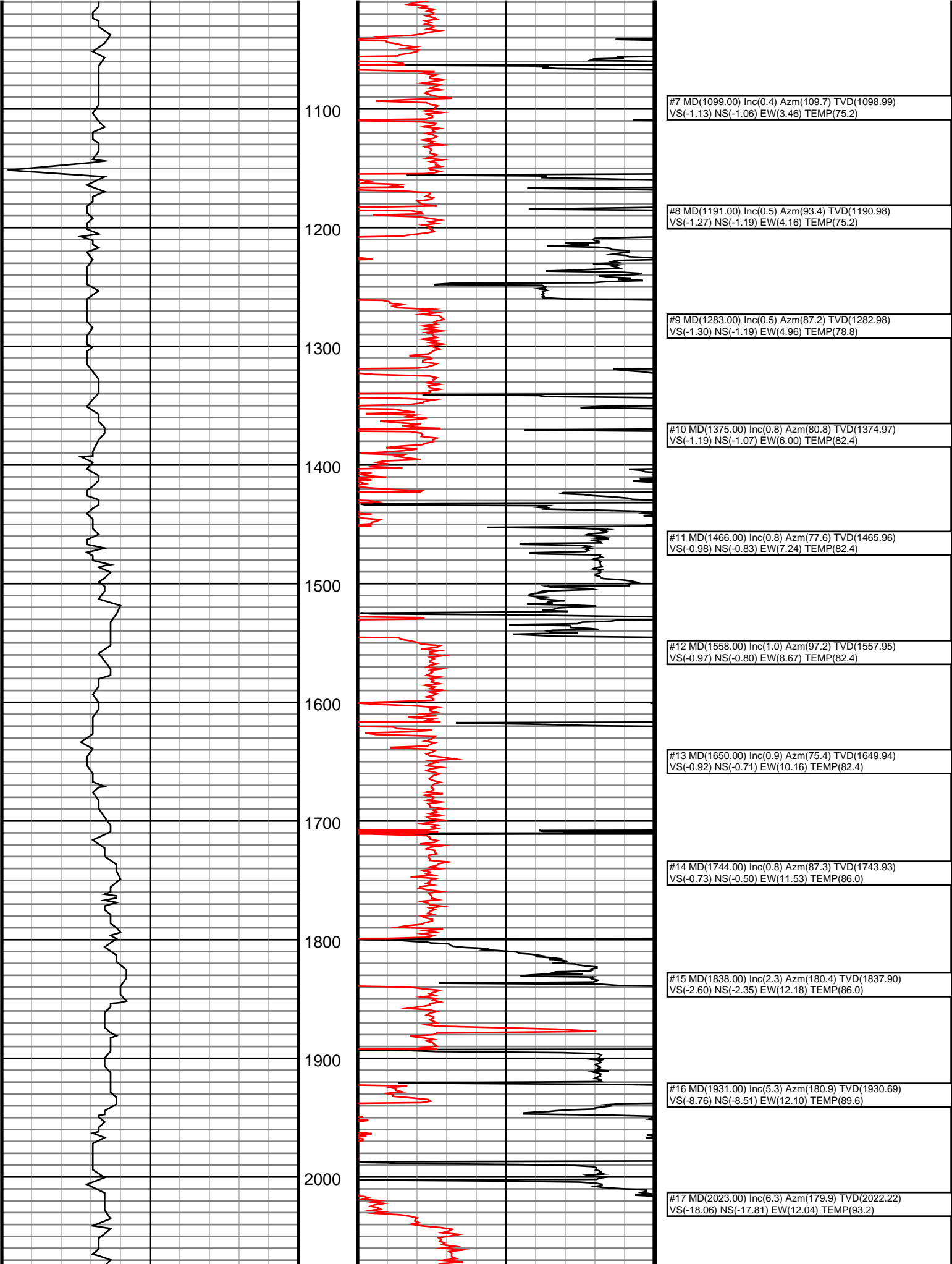
Mud Type: WB  
Density: 10.2  
Viscosity: 40  
Rm: Rmf: Rmc:

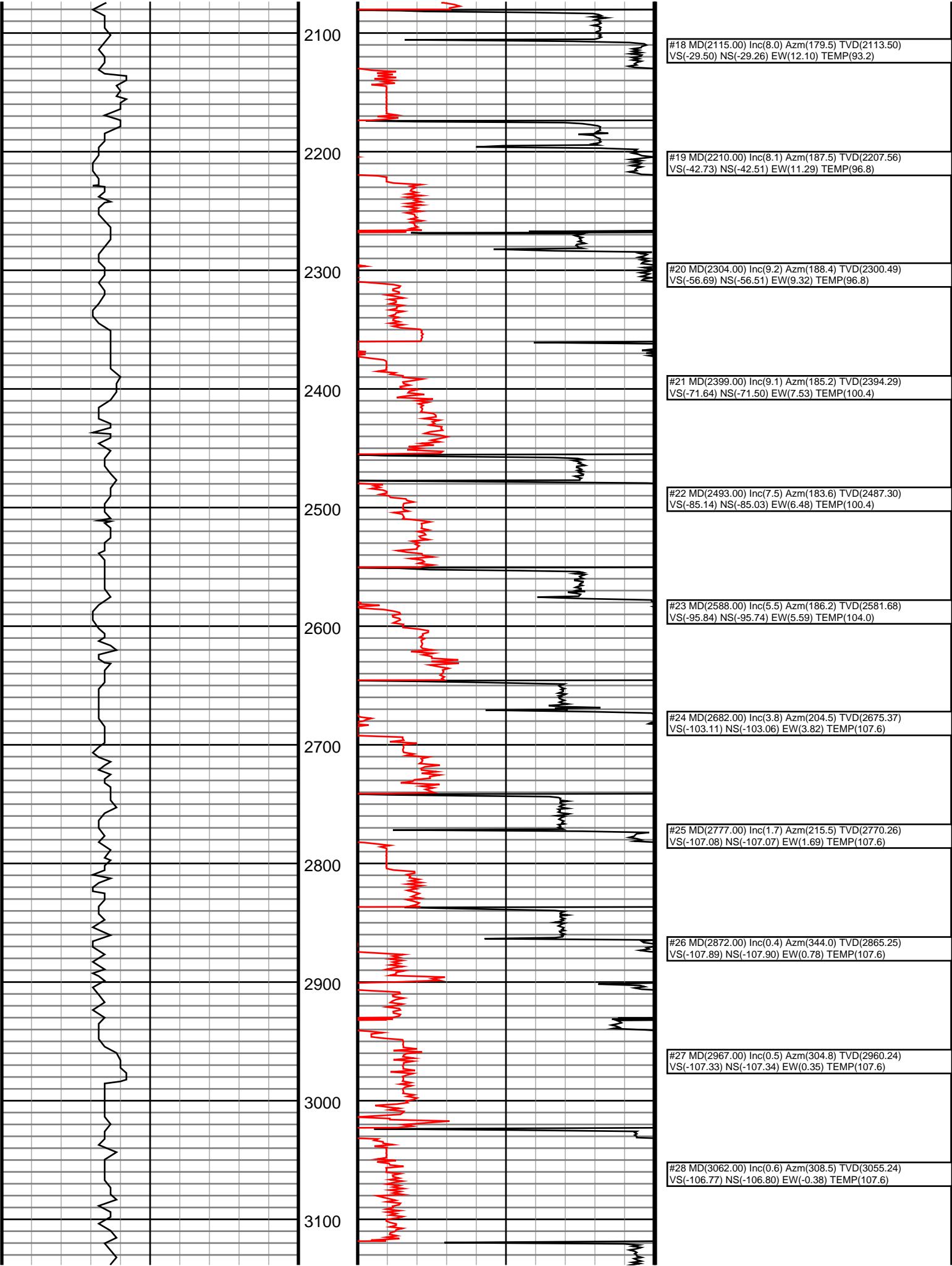
Elevations  
KB: 0  
GL: 4879  
DF: 30

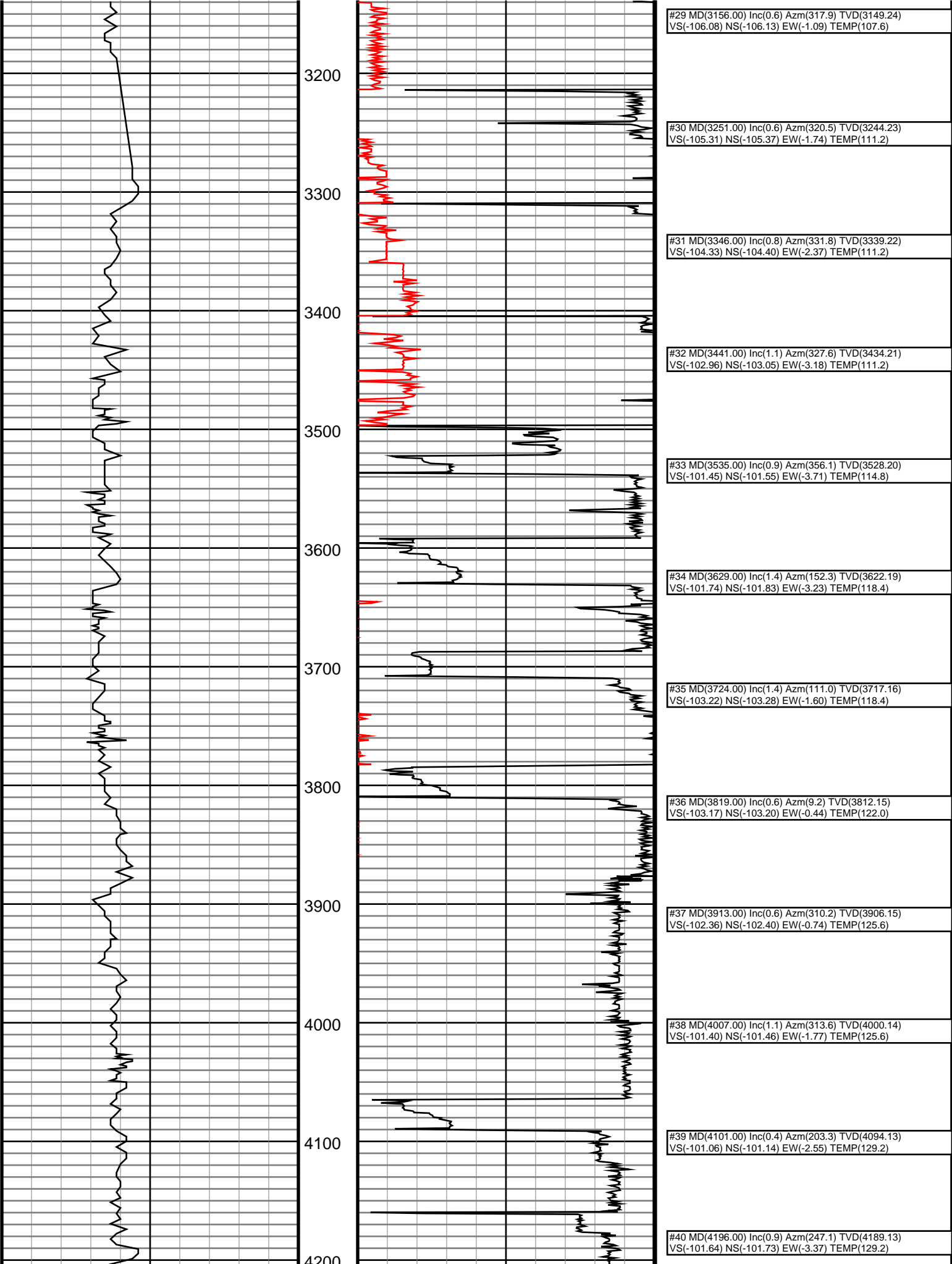
Run	Bit Size	Gamma	Offsets	Survey	Start	End	Dates	Start	End
1	8 3/4	39.31	53.91	641	5375	5375	4/25/14	4/26/14	
2	8 3/4	39.31	53.91	5375	5375	5375	4/27/14	4/28/14	
3	8 3/4	39.31	53.91	5375	6506	6506	4/28/14	4/28/14	
4	6 1/8	43.64	57.64	6506	15585	15585	4/30/14	5/5/14	
5									
6									
7									
8									
9									
10									

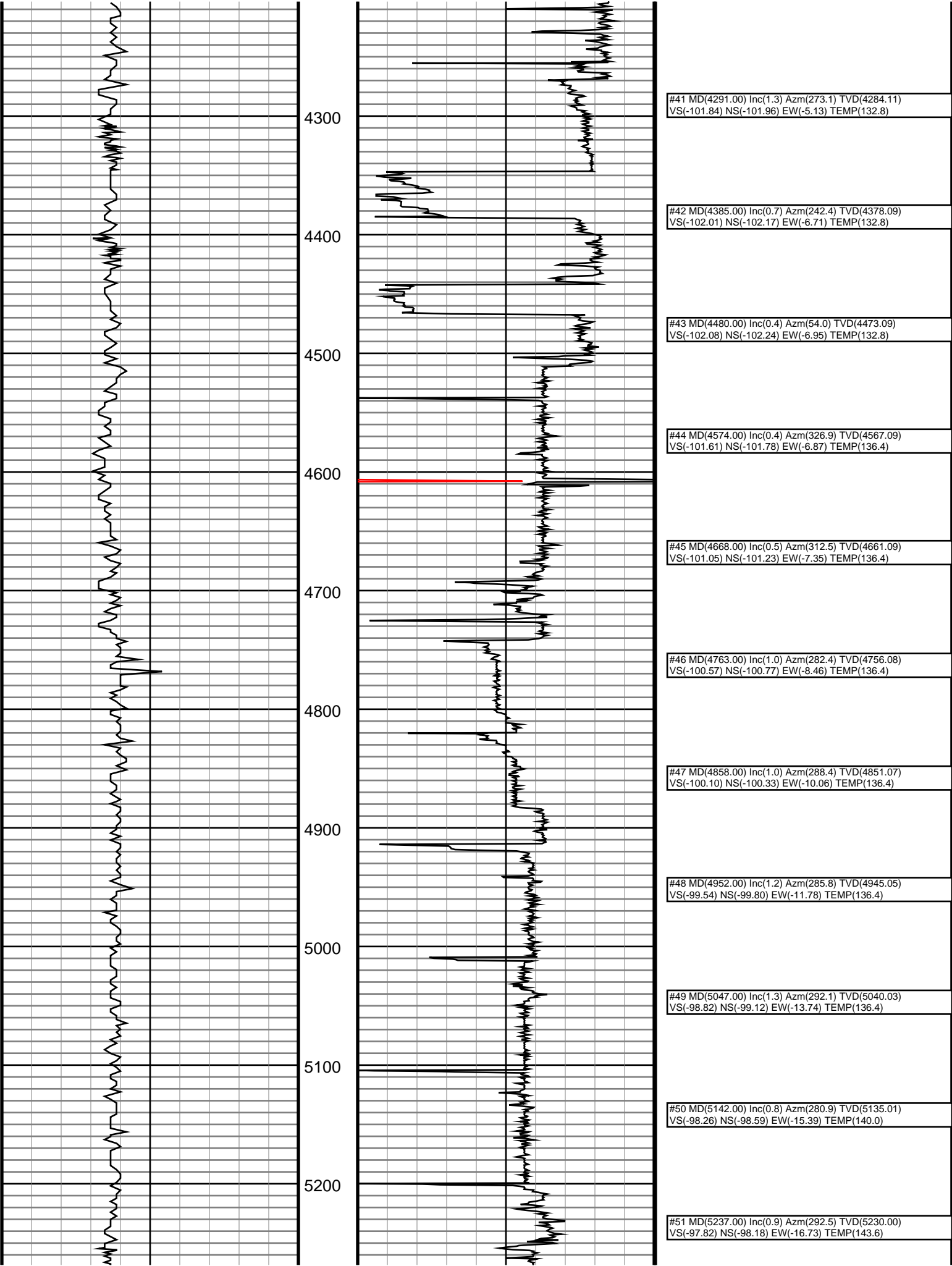
DrilTech L.L.C. uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

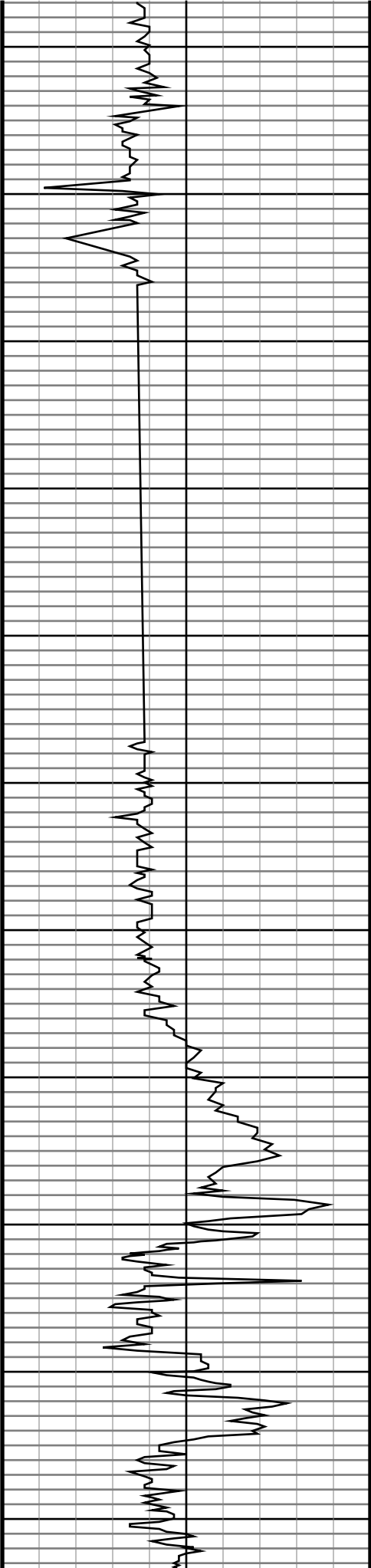












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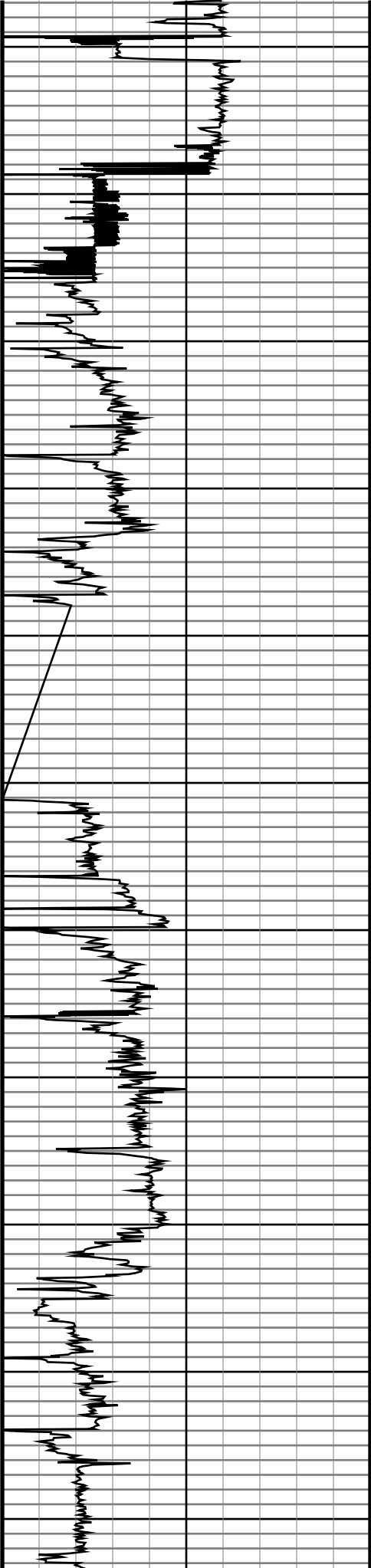
5900

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#52 MD(5319.00) Inc(1.0) Azm(279.3) TVD(5311.99)  
VS(-97.43) NS(-97.82) EW(-18.03) TEMP(143.6)

#53 MD(5425.00) Inc(0.9) Azm(304.5) TVD(5417.97)  
VS(-96.77) NS(-97.20) EW(-19.63) TEMP(118.4)

#54 MD(5520.00) Inc(3.5) Azm(69.9) TVD(5512.92)  
VS(-95.40) NS(-95.78) EW(-17.52) TEMP(118.4)

#55 MD(5614.00) Inc(8.1) Azm(39.3) TVD(5606.43)  
VS(-89.43) NS(-89.66) EW(-10.63) TEMP(118.4)

#56 MD(5709.00) Inc(13.2) Azm(353.6) TVD(5699.92)  
VS(-73.50) NS(-73.67) EW(-7.59) TEMP(118.4)

#57 MD(5804.00) Inc(28.8) Azm(352.7) TVD(5788.33)  
VS(-39.73) NS(-39.98) EW(-11.73) TEMP(125.6)

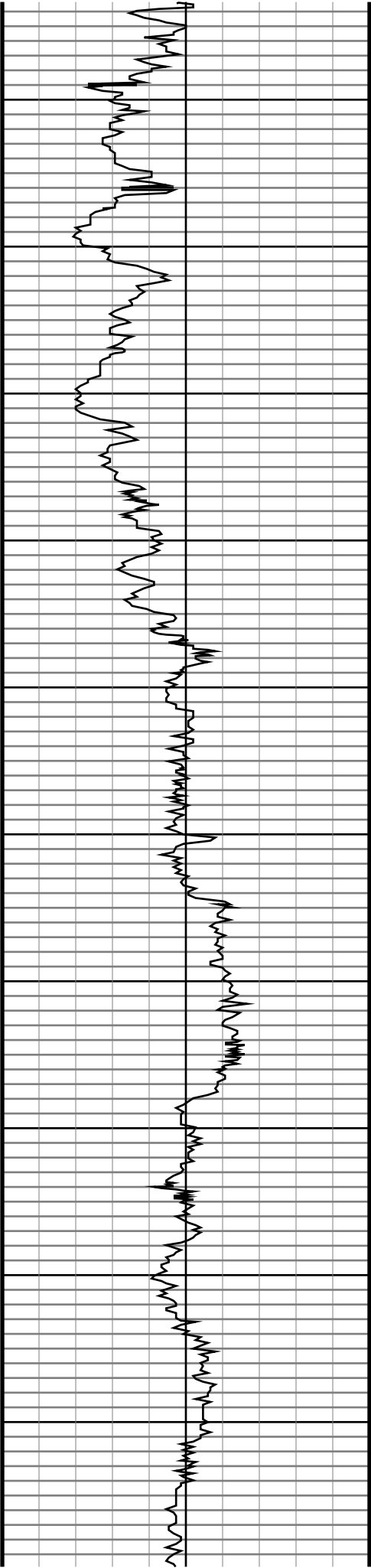
#58 MD(5898.00) Inc(36.1) Azm(356.3) TVD(5867.61)  
VS(10.52) NS(10.18) EW(-16.40) TEMP(129.2)

#59 MD(5993.00) Inc(48.9) Azm(355.7) TVD(5937.51)  
VS(74.48) NS(74.07) EW(-20.91) TEMP(129.2)

#60 MD(6087.00) Inc(57.9) Azm(1.0) TVD(5993.52)  
VS(149.82) NS(149.39) EW(-22.88) TEMP(132.8)

#61 MD(6182.00) Inc(57.2) Azm(358.3) TVD(6044.50)  
VS(229.97) NS(229.54) EW(-23.36) TEMP(132.8)

#62 MD(6276.00) Inc(64.5) Azm(358.1) TVD(6090.26)  
VS(312.01) NS(311.54) EW(-25.94) TEMP(132.8)



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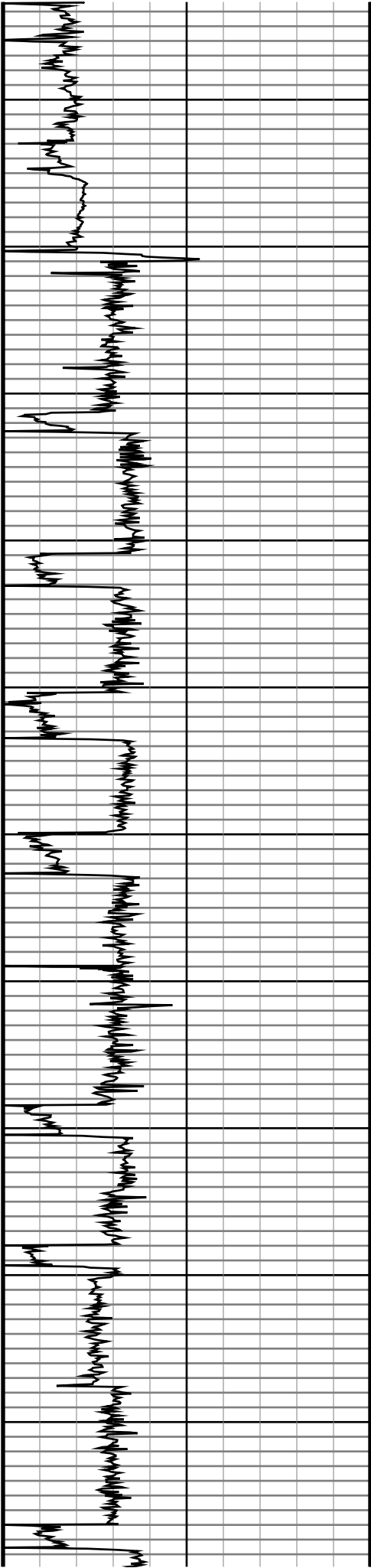
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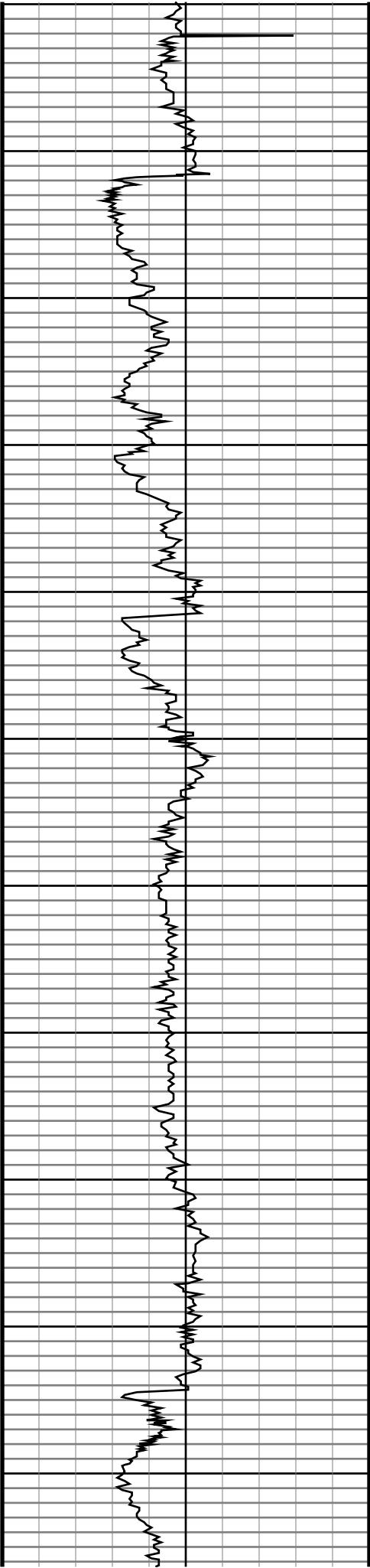
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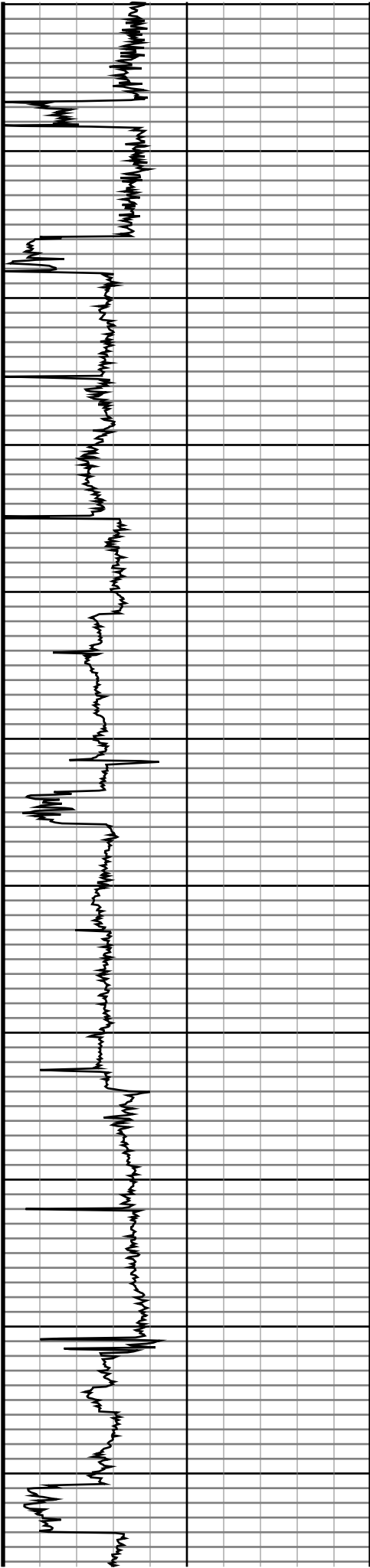
7300



#63 MD(6370.00) Inc(76.2) Azm(359.2) TVD(6121.81) VS(400.38) NS(399.88) EW(-27.99) TEMP(136.4)
#64 MD(6447.00) Inc(86.4) Azm(2.2) TVD(6133.45) VS(476.34) NS(475.88) EW(-27.04) TEMP(140.0)
#65 MD(6553.00) Inc(87.6) Azm(1.8) TVD(6138.96) VS(582.03) NS(581.67) EW(-23.31) TEMP(147.2)
#66 MD(6648.00) Inc(86.3) Azm(2.7) TVD(6143.95) VS(676.72) NS(676.46) EW(-19.53) TEMP(147.2)
#67 MD(6742.00) Inc(86.7) Azm(5.1) TVD(6149.70) VS(770.17) NS(770.06) EW(-13.14) TEMP(147.2)
#68 MD(6837.00) Inc(88.2) Azm(6.8) TVD(6153.97) VS(864.33) NS(864.45) EW(-3.31) TEMP(147.2)
#69 MD(6930.00) Inc(90.7) Azm(6.6) TVD(6154.85) VS(956.45) NS(956.80) EW(7.50) TEMP(150.8)
#70 MD(7025.00) Inc(91.1) Azm(6.4) TVD(6153.32) VS(1050.59) NS(1051.18) EW(18.24) TEMP(154.4)
#71 MD(7119.00) Inc(91.7) Azm(3.5) TVD(6150.99) VS(1144.01) NS(1144.79) EW(26.36) TEMP(154.4)
#72 MD(7214.00) Inc(90.8) Azm(2.0) TVD(6148.95) VS(1238.76) NS(1239.66) EW(30.91) TEMP(158.0)
#73 MD(7309.00) Inc(90.6) Azm(1.4) TVD(6147.85) VS(1333.63) NS(1334.61) EW(33.75) TEMP(161.6)

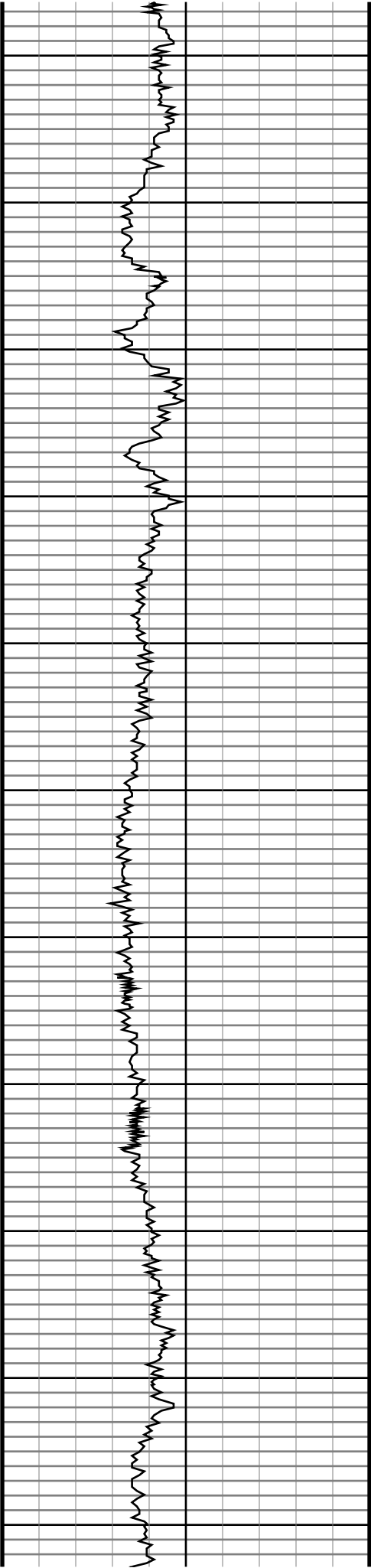


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#74 MD(7403.00) Inc(89.8) Azm(359.8) TVD(6147.50) VS(1427.58) NS(1428.60) EW(34.74) TEMP(158.0)
#75 MD(7498.00) Inc(91.7) Azm(358.9) TVD(6146.27) VS(1522.56) NS(1523.58) EW(33.67) TEMP(161.6)
#76 MD(7593.00) Inc(89.6) Azm(357.4) TVD(6145.26) VS(1617.54) NS(1618.52) EW(30.66) TEMP(161.6)
#77 MD(7687.00) Inc(89.2) Azm(357.8) TVD(6146.31) VS(1711.52) NS(1712.43) EW(26.78) TEMP(165.2)
#78 MD(7782.00) Inc(89.5) Azm(357.9) TVD(6147.45) VS(1806.50) NS(1807.36) EW(23.21) TEMP(168.8)
#79 MD(7876.00) Inc(88.5) Azm(357.4) TVD(6149.13) VS(1900.46) NS(1901.26) EW(19.31) TEMP(168.8)
#80 MD(7971.00) Inc(89.9) Azm(357.9) TVD(6150.48) VS(1995.43) NS(1996.17) EW(15.37) TEMP(168.8)
#81 MD(8066.00) Inc(89.6) Azm(356.9) TVD(6150.87) VS(2090.40) NS(2091.07) EW(11.05) TEMP(174.2)
#82 MD(8160.00) Inc(89.8) Azm(357.8) TVD(6151.32) VS(2184.36) NS(2184.96) EW(6.68) TEMP(174.2)
#83 MD(8255.00) Inc(91.0) Azm(358.4) TVD(6150.62) VS(2279.35) NS(2279.90) EW(3.50) TEMP(177.8)
#84 MD(8349.00) Inc(92.5) Azm(0.5) TVD(6147.72) VS(2373.29) NS(2373.85) EW(2.57) TEMP(177.8)
#85 MD(8443.00) Inc(91.1) Azm(358.4) TVD(6144.78) VS(2467.23) NS(2467.79) EW(1.61) TEMP(177.8)





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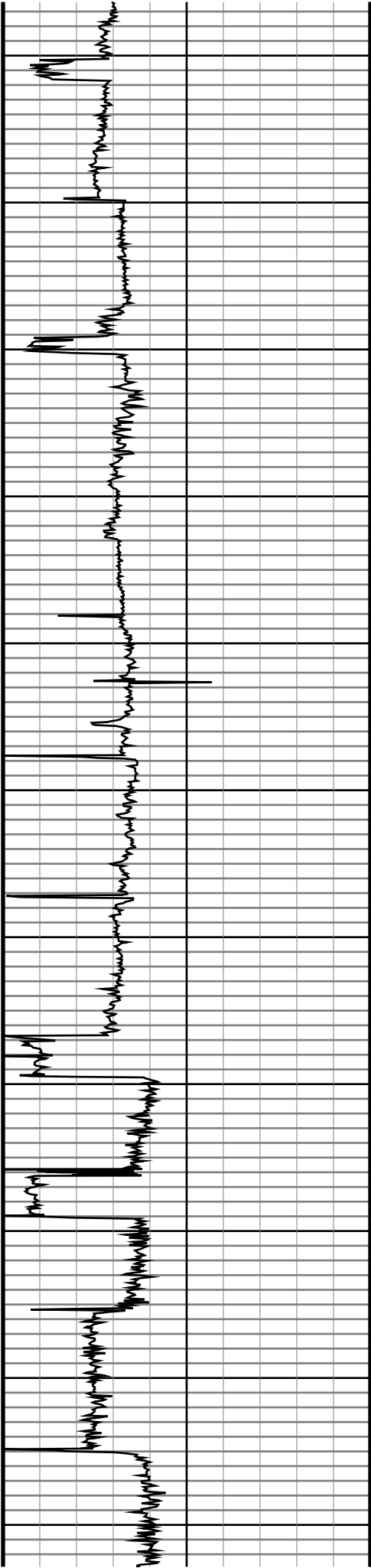
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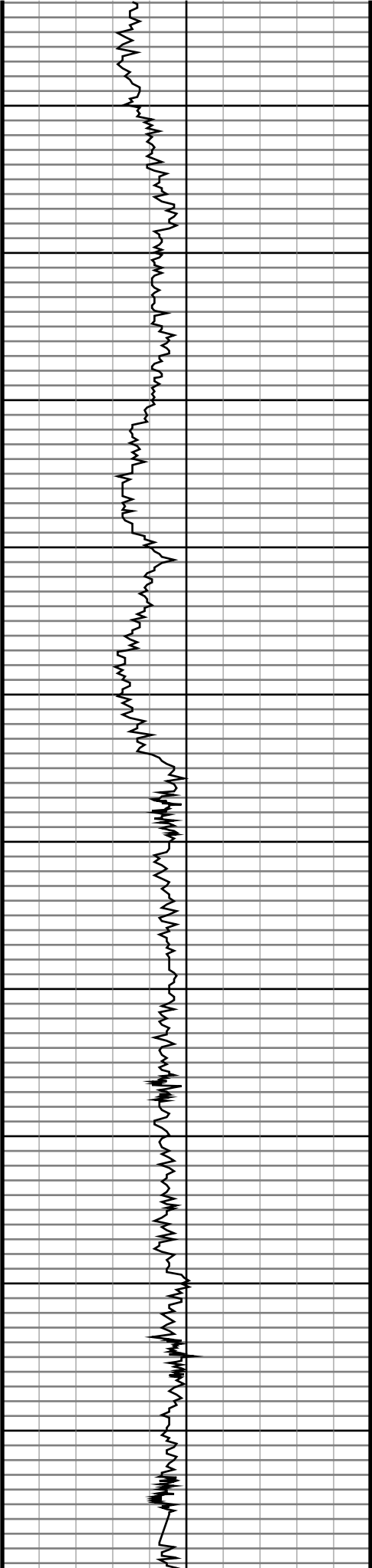
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#86 MD(8538.00) Inc(89.1) Azm(358.5) TVD(6144.63) VS(2562.23) NS(2562.75) EW(-0.97) TEMP(181.4)
#87 MD(8632.00) Inc(89.1) Azm(358.7) TVD(6146.12) VS(2656.21) NS(2656.71) EW(-3.24) TEMP(181.4)
#88 MD(8727.00) Inc(90.2) Azm(357.9) TVD(6146.70) VS(2751.21) NS(2751.66) EW(-6.05) TEMP(181.4)
#89 MD(8822.00) Inc(89.8) Azm(357.8) TVD(6146.70) VS(2846.19) NS(2846.60) EW(-9.58) TEMP(185.0)
#90 MD(8917.00) Inc(89.2) Azm(358.4) TVD(6147.55) VS(2941.18) NS(2941.54) EW(-12.68) TEMP(188.6)
#91 MD(9011.00) Inc(90.0) Azm(359.1) TVD(6148.22) VS(3035.18) NS(3035.52) EW(-14.68) TEMP(188.6)
#92 MD(9105.00) Inc(90.2) Azm(1.4) TVD(6148.11) VS(3129.14) NS(3129.51) EW(-14.26) TEMP(188.6)
#93 MD(9199.00) Inc(90.1) Azm(0.2) TVD(6147.91) VS(3223.08) NS(3223.50) EW(-12.95) TEMP(188.6)
#94 MD(9294.00) Inc(90.3) Azm(357.7) TVD(6147.61) VS(3318.07) NS(3318.48) EW(-14.69) TEMP(188.6)
#95 MD(9388.00) Inc(89.9) Azm(356.5) TVD(6147.50) VS(3412.03) NS(3412.35) EW(-19.45) TEMP(188.6)
#96 MD(9482.00) Inc(89.8) Azm(357.0) TVD(6147.78) VS(3505.97) NS(3506.20) EW(-24.73) TEMP(188.6)



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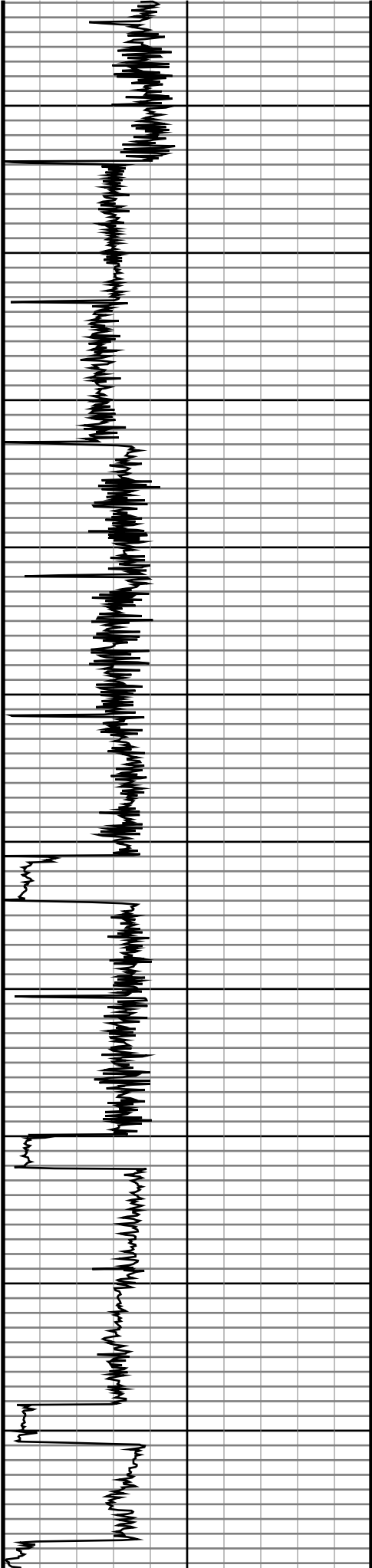
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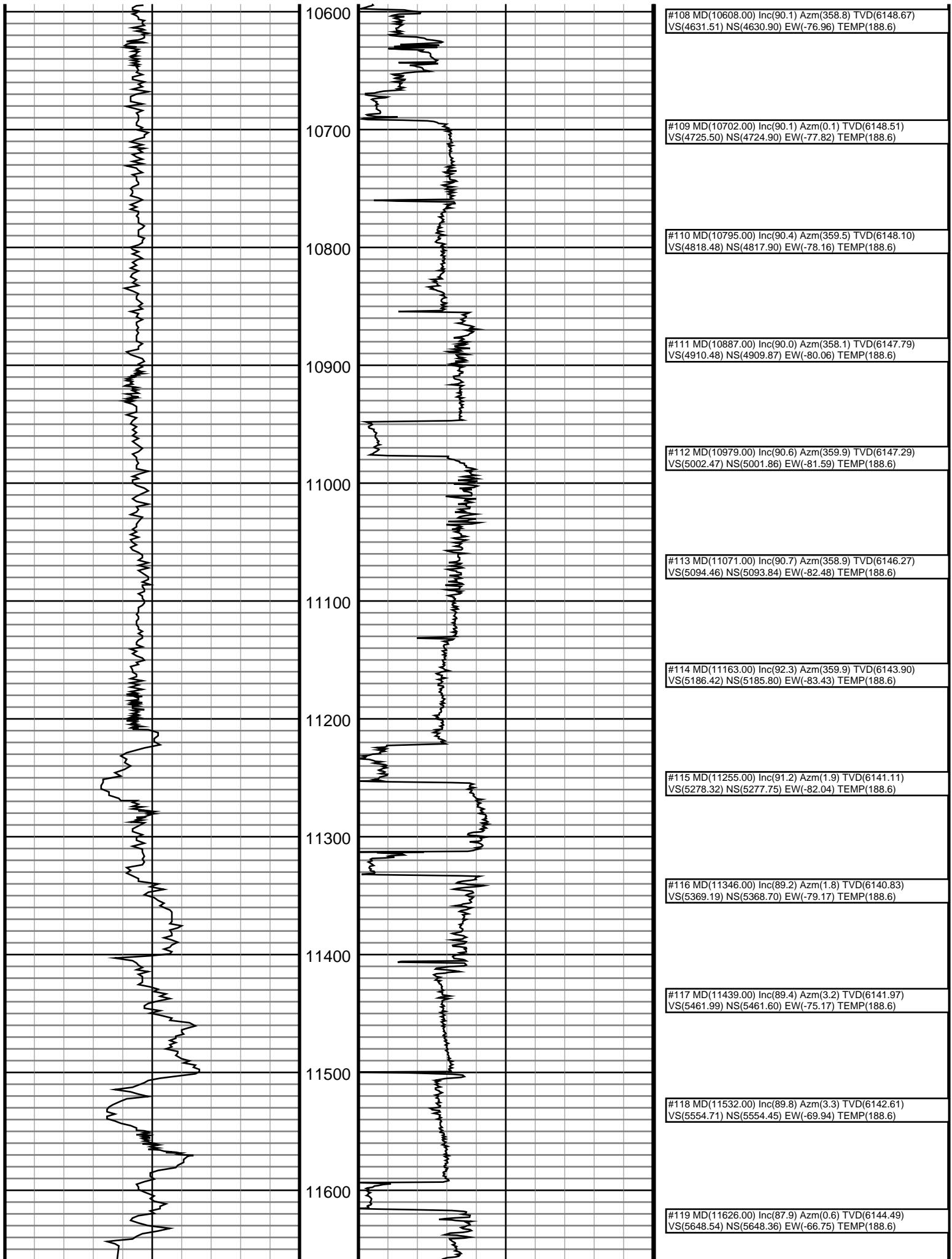
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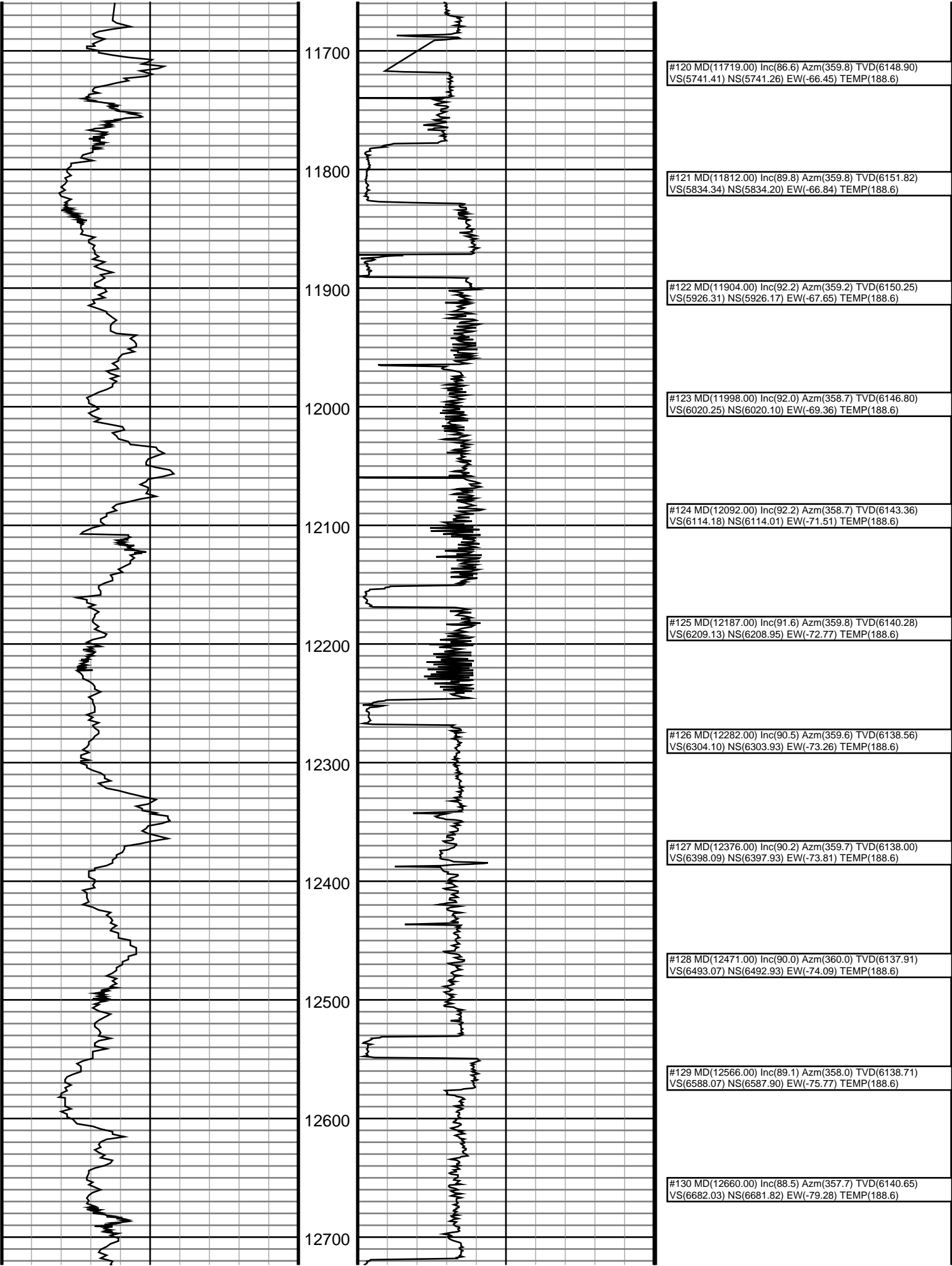
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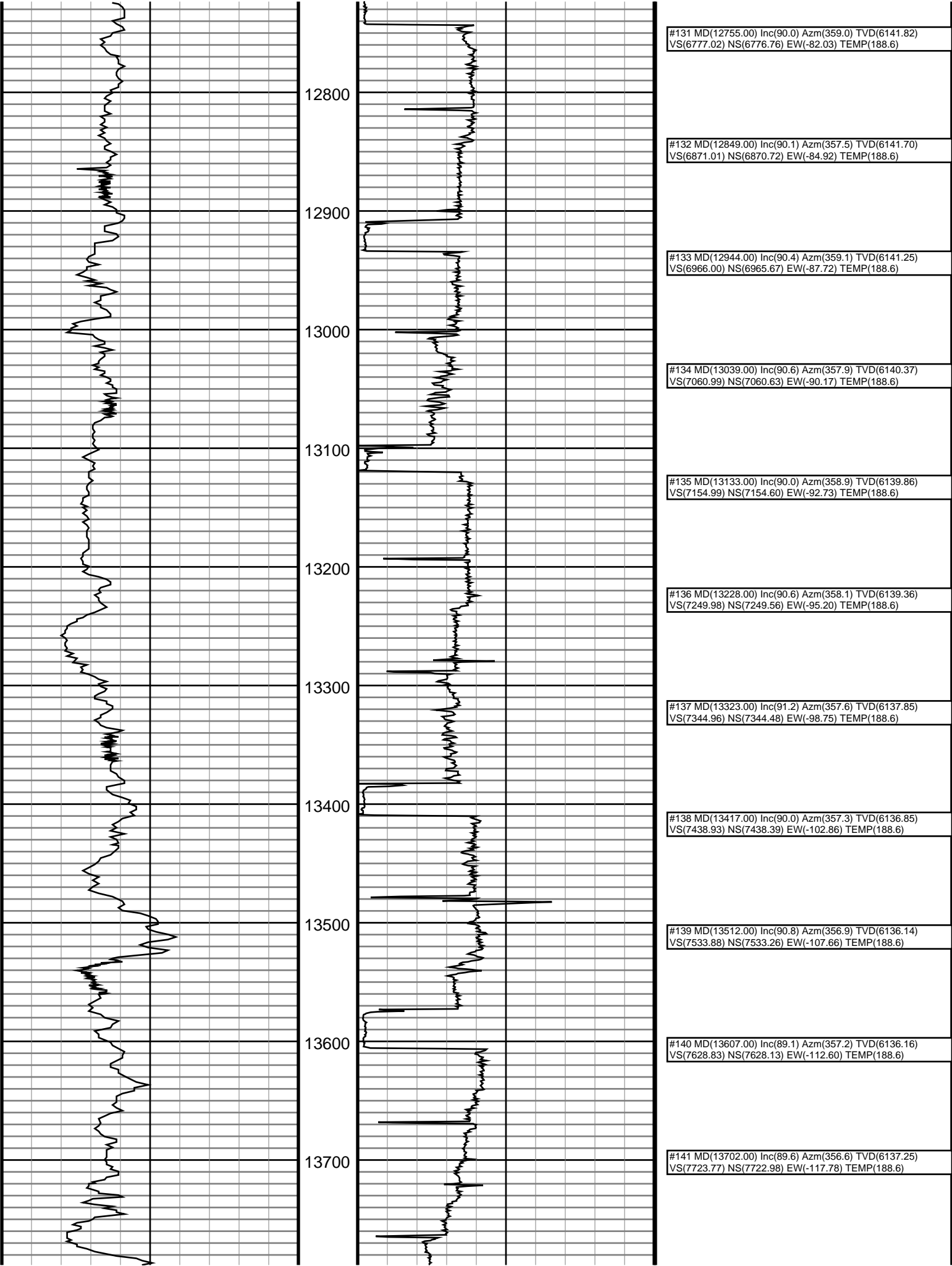
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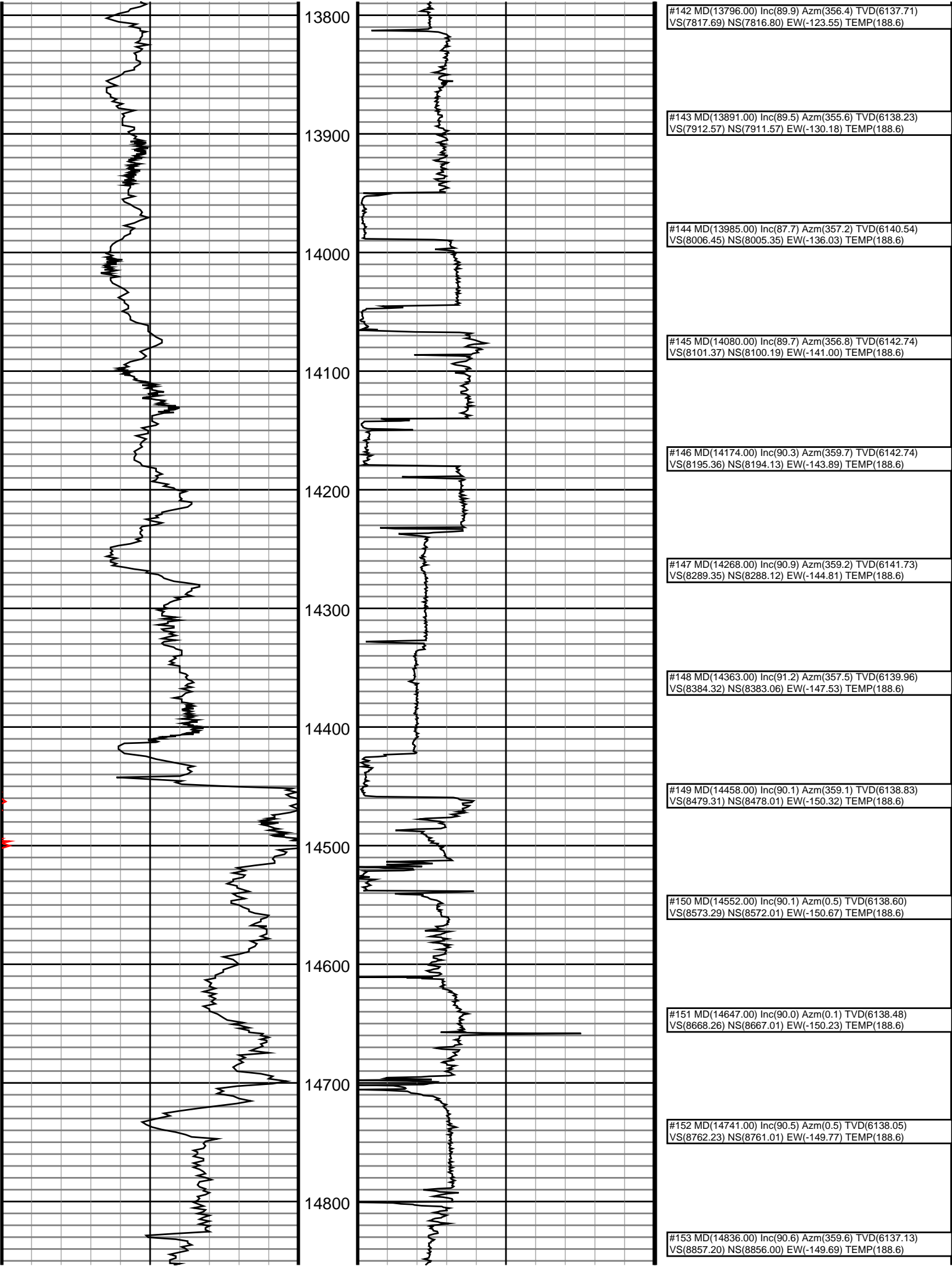


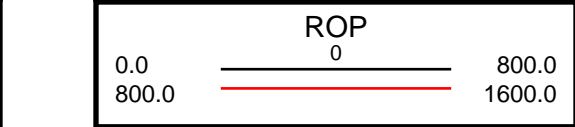
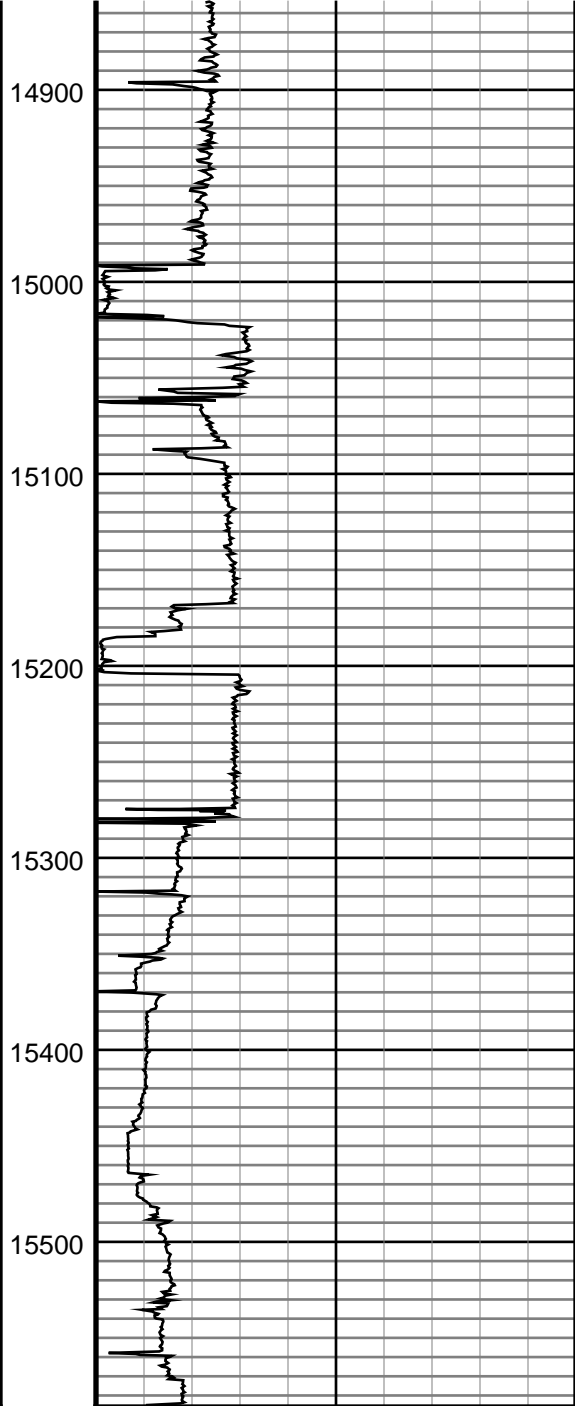
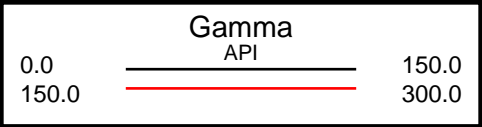
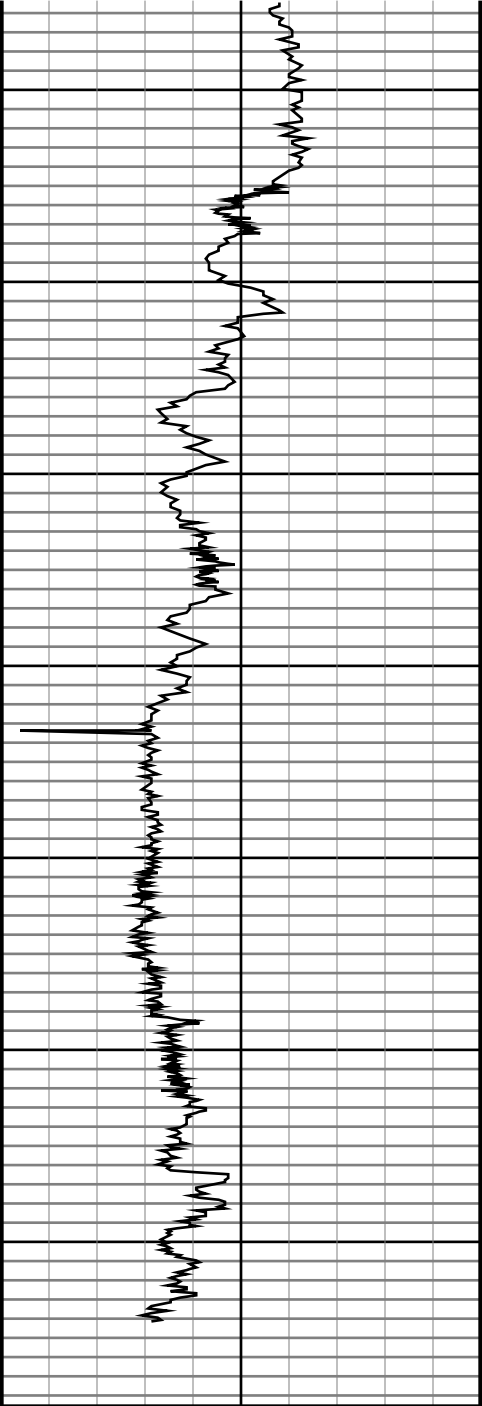
#97 MD(9577.00) Inc(90.2) Azm(358.1) TVD(6147.79) VS(3600.95) NS(3601.12) EW(-28.80) TEMP(188.6)
#98 MD(9671.00) Inc(90.3) Azm(357.5) TVD(6147.36) VS(3694.93) NS(3695.04) EW(-32.47) TEMP(188.6)
#99 MD(9766.00) Inc(89.0) Azm(356.2) TVD(6147.89) VS(3789.87) NS(3789.90) EW(-37.66) TEMP(188.6)
#100 MD(9860.00) Inc(89.2) Azm(356.9) TVD(6149.34) VS(3883.78) NS(3883.71) EW(-43.32) TEMP(188.6)
#101 MD(9955.00) Inc(89.4) Azm(357.2) TVD(6150.47) VS(3978.73) NS(3978.58) EW(-48.27) TEMP(188.6)
#102 MD(10050.00) Inc(89.3) Azm(356.9) TVD(6151.49) VS(4073.68) NS(4073.44) EW(-53.19) TEMP(188.6)
#103 MD(10144.00) Inc(90.3) Azm(357.9) TVD(6151.81) VS(4167.64) NS(4167.34) EW(-57.48) TEMP(188.6)
#104 MD(10238.00) Inc(90.3) Azm(356.6) TVD(6151.36) VS(4261.60) NS(4261.23) EW(-62.06) TEMP(188.6)
#105 MD(10331.00) Inc(90.2) Azm(358.0) TVD(6150.92) VS(4354.57) NS(4354.12) EW(-66.46) TEMP(188.6)
#106 MD(10423.00) Inc(90.9) Azm(357.4) TVD(6150.00) VS(4446.54) NS(4446.04) EW(-70.15) TEMP(188.6)
#107 MD(10516.00) Inc(90.3) Azm(357.7) TVD(6149.00) VS(4539.51) NS(4538.95) EW(-74.15) TEMP(188.6)











#154 MD(14931.00) Inc(91.1) Azm(0.1) TVD(6135.74)  
VS(8952.18) NS(8950.99) EW(-149.94) TEMP(188.6)

#155 MD(15025.00) Inc(90.0) Azm(0.0) TVD(6134.84)  
VS(9046.15) NS(9044.98) EW(-149.83) TEMP(188.6)

#156 MD(15120.00) Inc(90.2) Azm(0.3) TVD(6134.71)  
VS(9141.12) NS(9139.98) EW(-149.57) TEMP(188.6)

#157 MD(15214.00) Inc(89.7) Azm(0.4) TVD(6134.83)  
VS(9235.09) NS(9233.98) EW(-149.05) TEMP(188.6)

#158 MD(15309.00) Inc(89.6) Azm(0.1) TVD(6135.38)  
VS(9330.06) NS(9328.98) EW(-148.69) TEMP(188.6)

#159 MD(15404.00) Inc(90.1) Azm(359.6) TVD(6135.61)  
VS(9425.05) NS(9423.98) EW(-148.94) TEMP(188.6)

#160 MD(15499.00) Inc(91.1) Azm(0.1) TVD(6134.62)  
VS(9520.02) NS(9518.97) EW(-149.18) TEMP(188.6)

#161 MD(15526.00) Inc(91.1) Azm(0.2) TVD(6134.09)  
VS(9547.01) NS(9545.96) EW(-149.11) TEMP(188.6)

#162 MD(15585.00) Inc(91.1) Azm(0.2) TVD(6132.93)  
VS(9605.00) NS(9604.05) EW(-148.87) TEMP(188.6)