



MD
5"-100'

Well Name: ARELLANO P-10-9HN

Rig Id: Frontier 8

County/Parish: Weld

Country: United States

Survey Company: Ensign Directional Services

Job number: 207-F8-41

DIR. DRILLER DAY Kabel Skelton

DIR. DRILLER NIGHT Austin Clark

LWD/MWD DAYS Matt Brokaw

LWD/MWD NIGHTS Tyler Teague

Log measurements: Gamma

Depth measured from: Rig Floor

Maximum temperature:

Depth Date

Start: 7300 ft 6/10/2015

End: 13958 ft 6/12/2015

Casing Depth Size

Surface: 790 9.625

Intermediate: 7290 7

Mud Type:

Density:

Viscosity:

Rmf:

Rmc:

DF: 4638.5

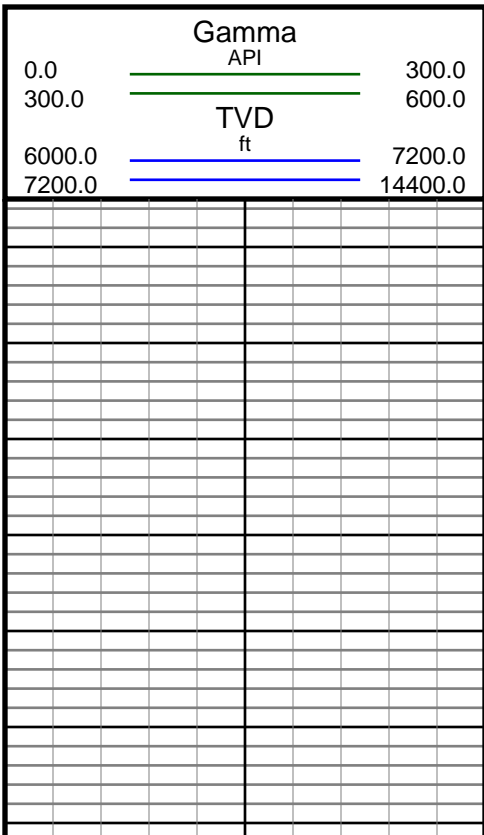
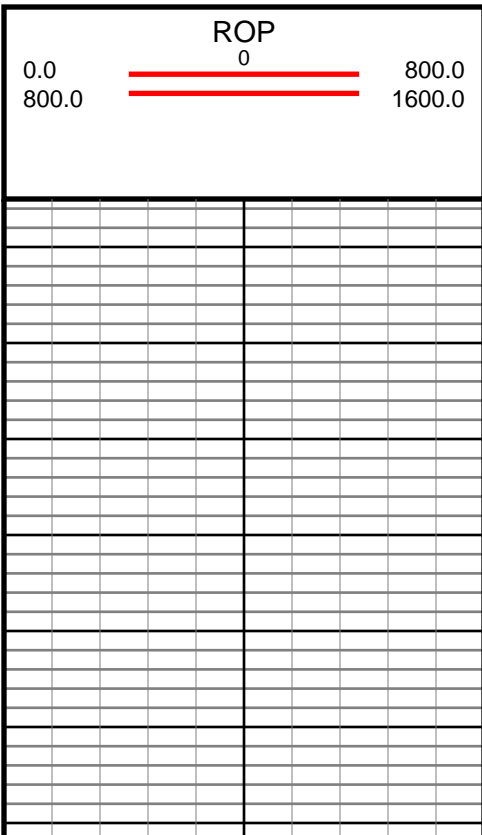
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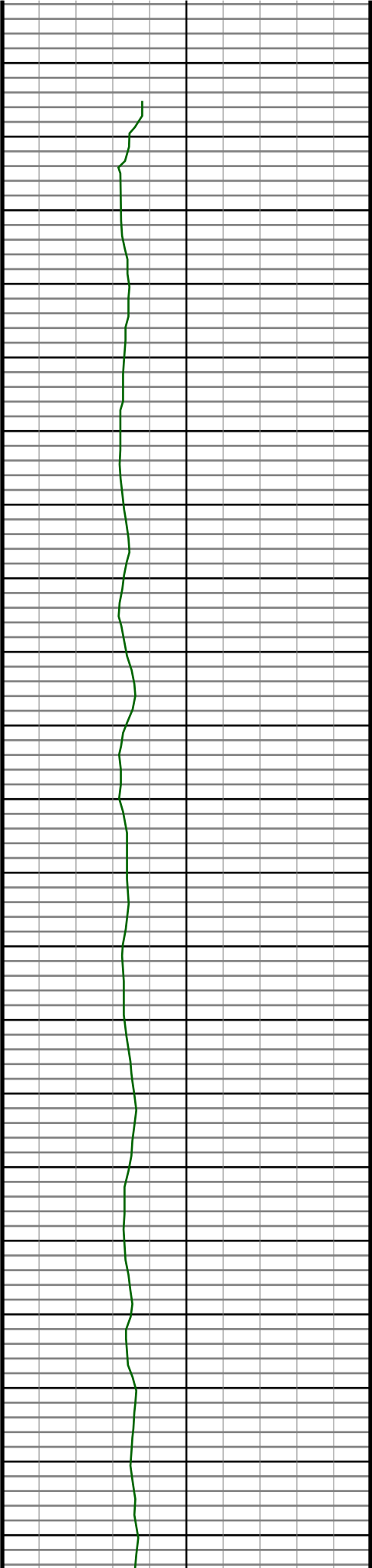
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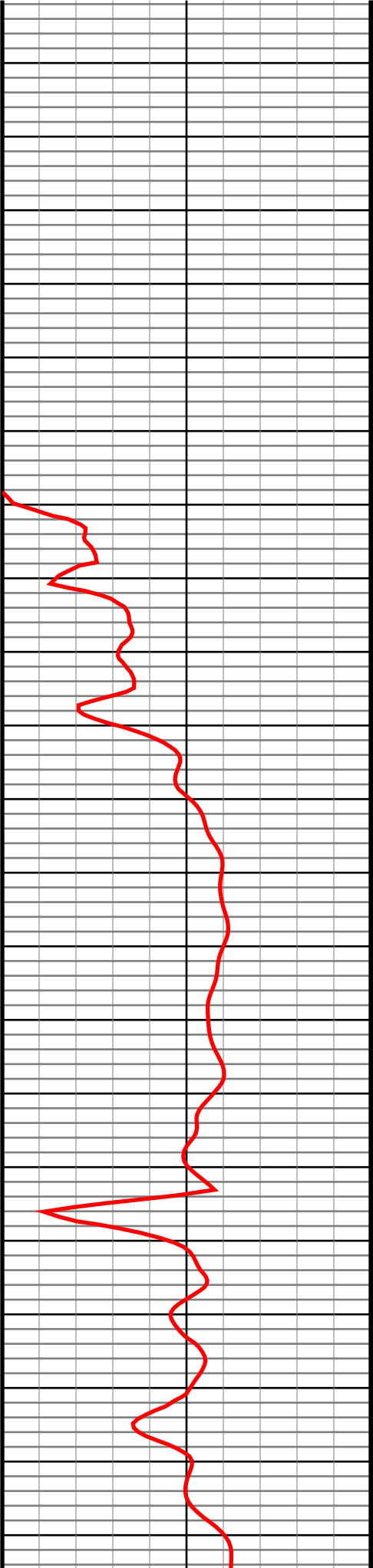
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		Gamma	Survey	Start	End	Start	End
1	8.75	53.17	48.17	800	7300	4/14/2015	4/16/2015
2	6.125	59.21	54.21	7300	13958	6/10/2015	6/12/2015
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Ensign Directional Services uses its best efforts to provide its customers with accurate information and interpretations in





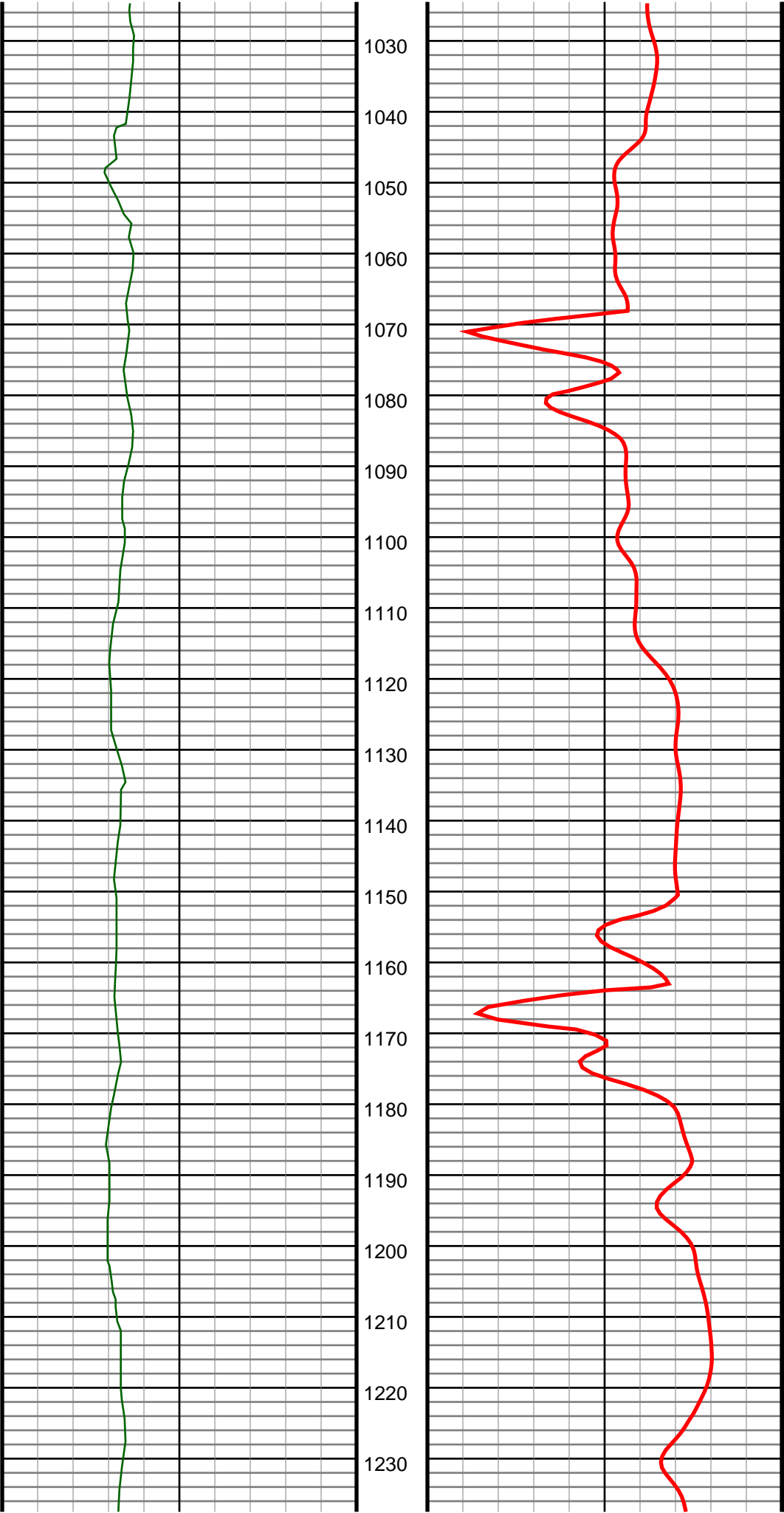
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#8 MD(829.00) Inc(1.1) Azm(139.9) TVD(828.97)
VS(-1.25) NS(-3.86) EW(1.49) TEMP(0.0)

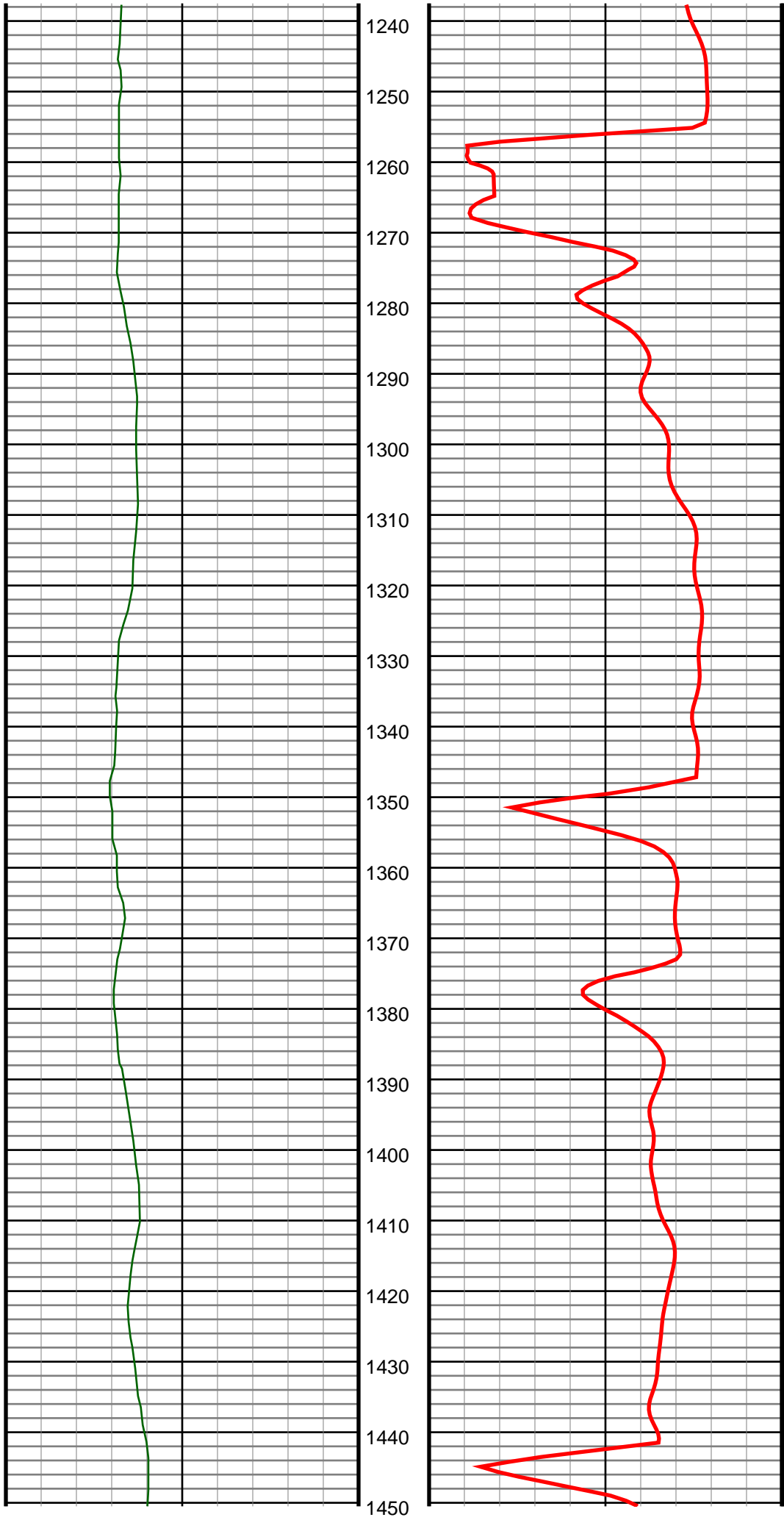
#9 MD(924.00) Inc(1.0) Azm(131.7) TVD(923.95)
VS(-2.38) NS(-5.11) EW(2.70) TEMP(0.0)

#10 MD(1020.00) Inc(0.9) Azm(138.9) TVD(1019.94)
VS(-3.43) NS(-6.23) EW(3.82) TEMP(0.0)



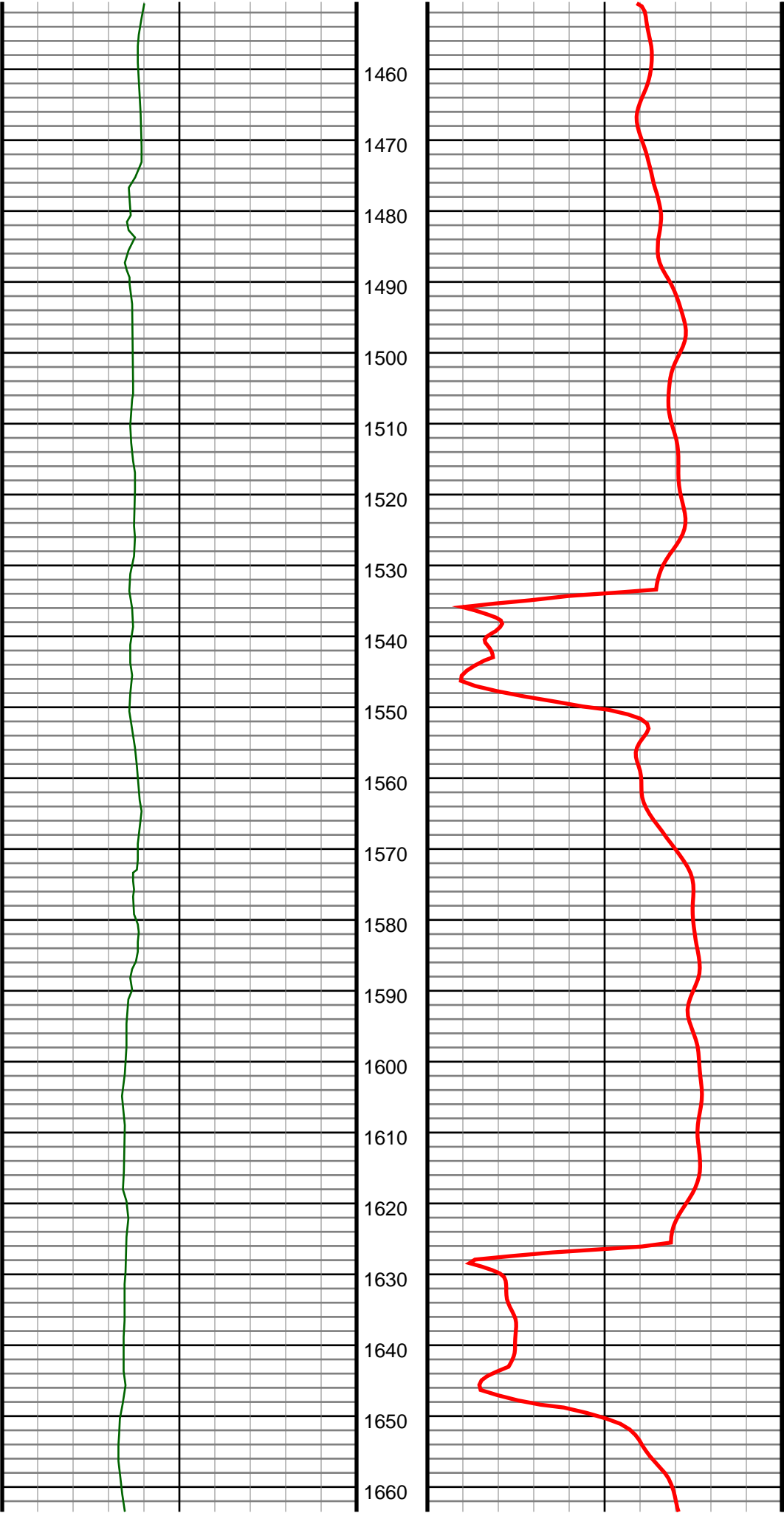
#11 MD(1115.00) Inc(1.0) Azm(147.0) TVD(1114.92)
VS(-4.30) NS(-7.49) EW(4.76) TEMP(0.0)

#12 MD(1207.00) Inc(1.1) Azm(158.6) TVD(1206.91)
VS(-4.96) NS(-8.99) EW(5.52) TEMP(0.0)



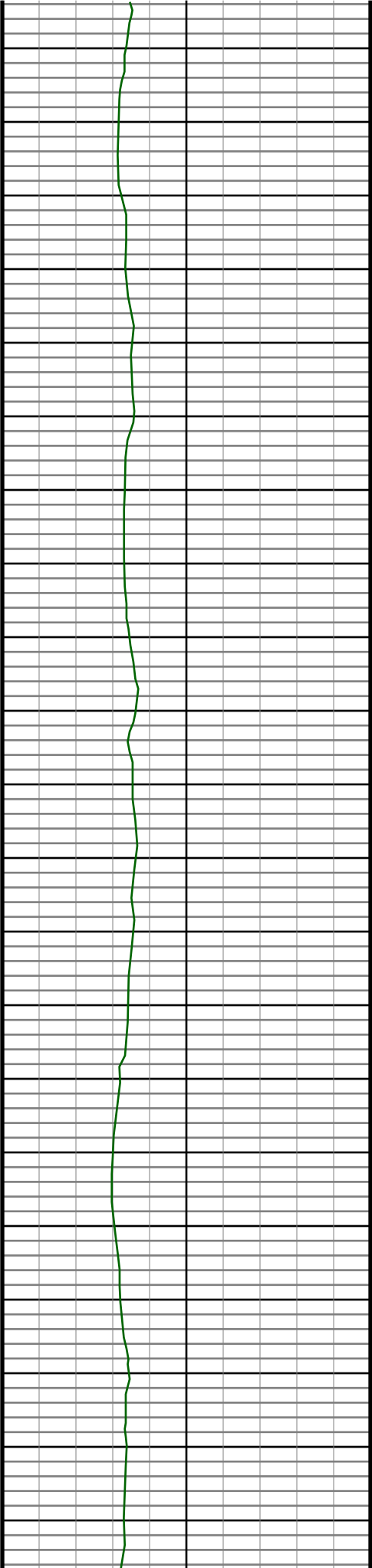
#13 MD(1299.00) Inc(2.7) Azm(138.9) TVD(1298.86)
VS(-6.56) NS(-11.44) EW(7.27) TEMP(0.0)

#14 MD(1392.00) Inc(2.5) Azm(141.5) TVD(1391.76)
VS(-9.06) NS(-14.68) EW(9.97) TEMP(0.0)

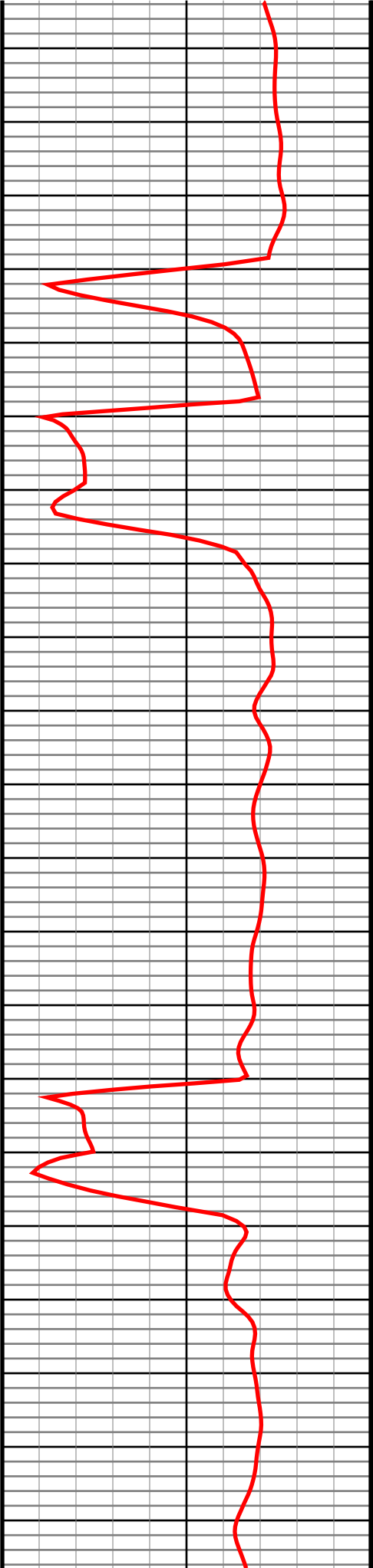


#15 MD(1484.00) Inc(2.2) Azm(131.5) TVD(1483.68)
VS(-11.46) NS(-17.42) EW(12.54) TEMP(0.0)

#16 MD(1576.00) Inc(3.2) Azm(133.8) TVD(1575.58)
VS(-14.45) NS(-20.37) EW(15.72) TEMP(0.0)



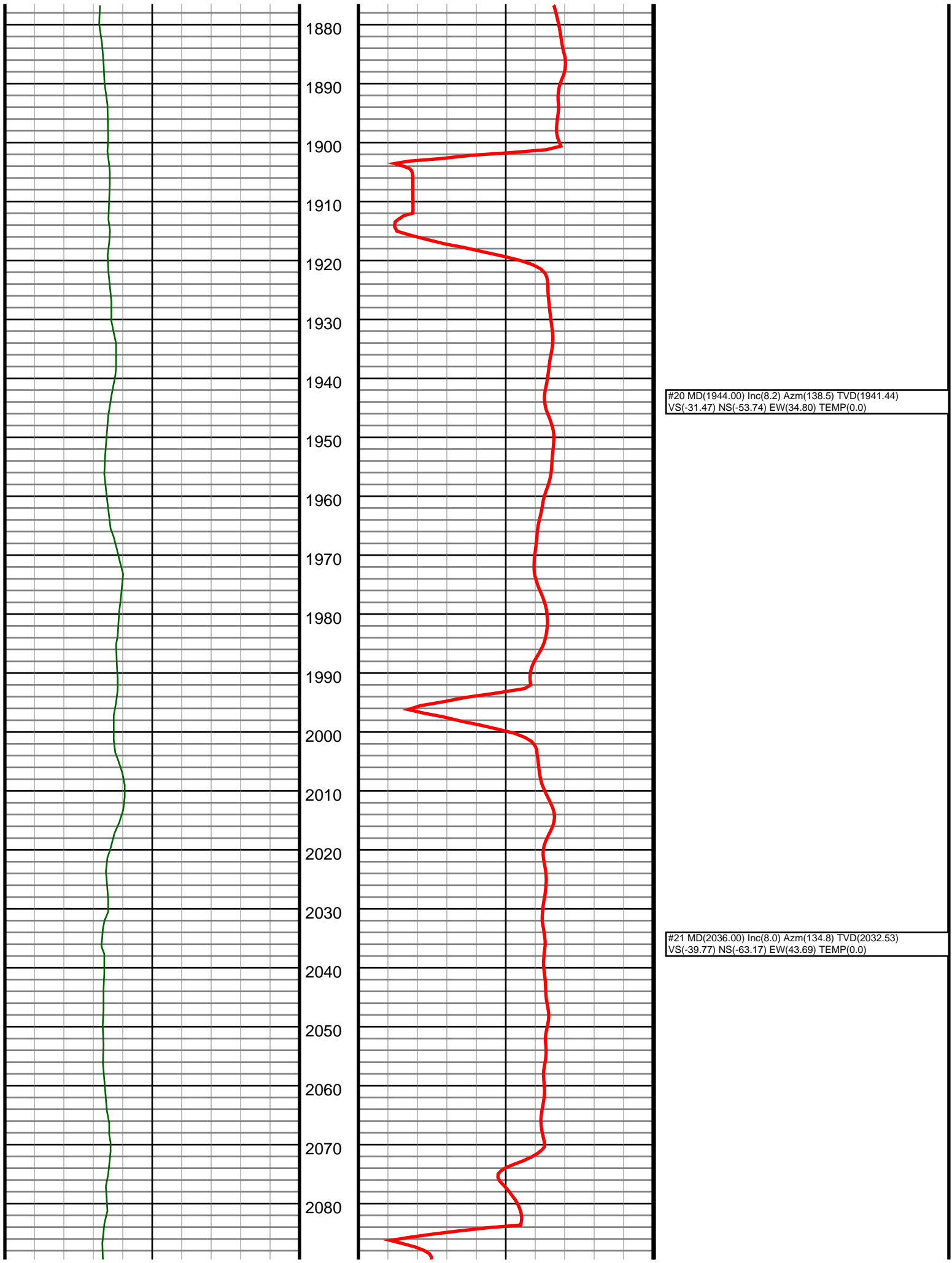
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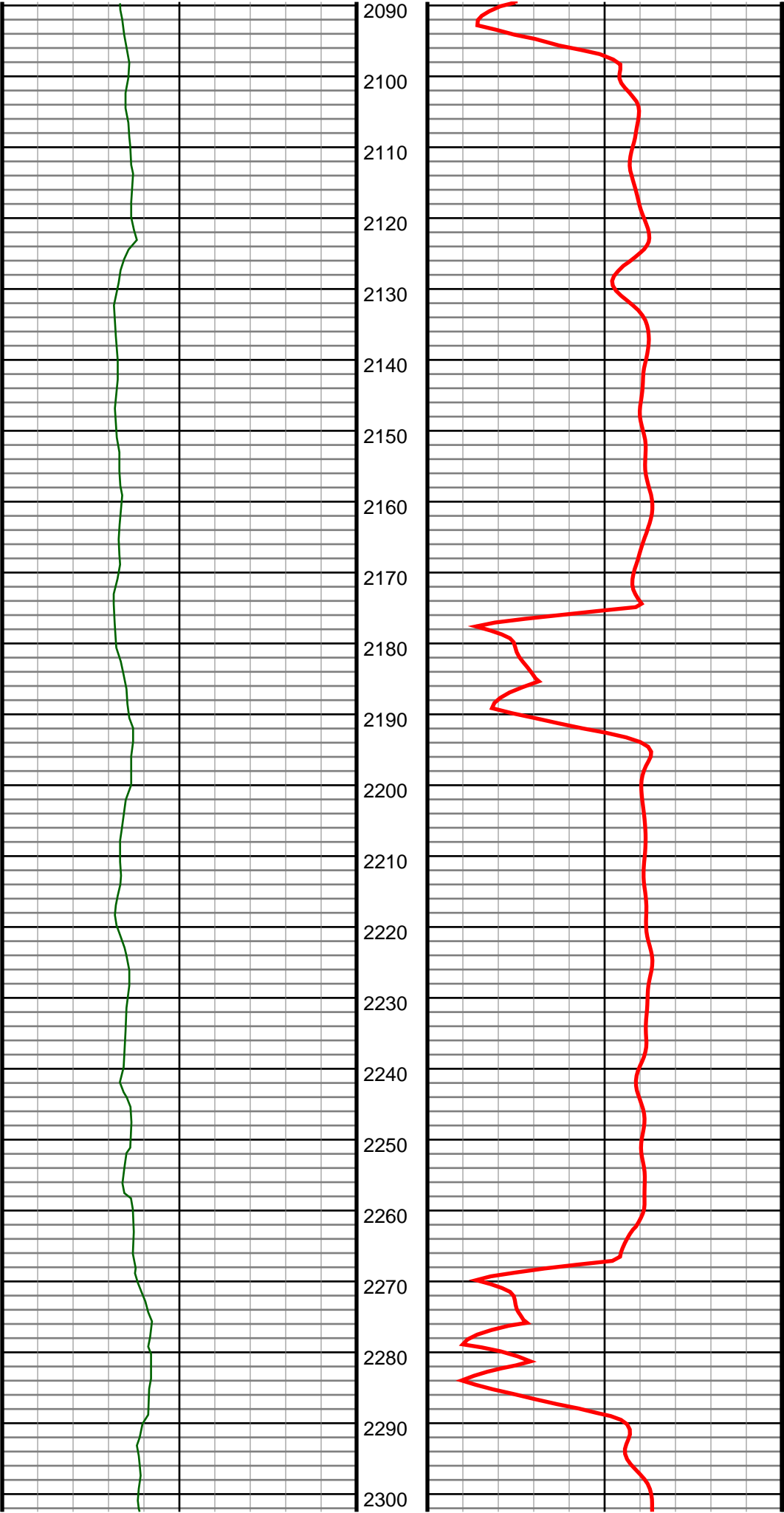


#17 MD(1668.00) Inc(5.1) Azm(157.0) TVD(1667.34)
VS(-17.56) NS(-25.91) EW(19.17) TEMP(0.0)

#18 MD(1760.00) Inc(6.3) Azm(153.8) TVD(1758.88)
VS(-20.87) NS(-34.20) EW(22.99) TEMP(0.0)

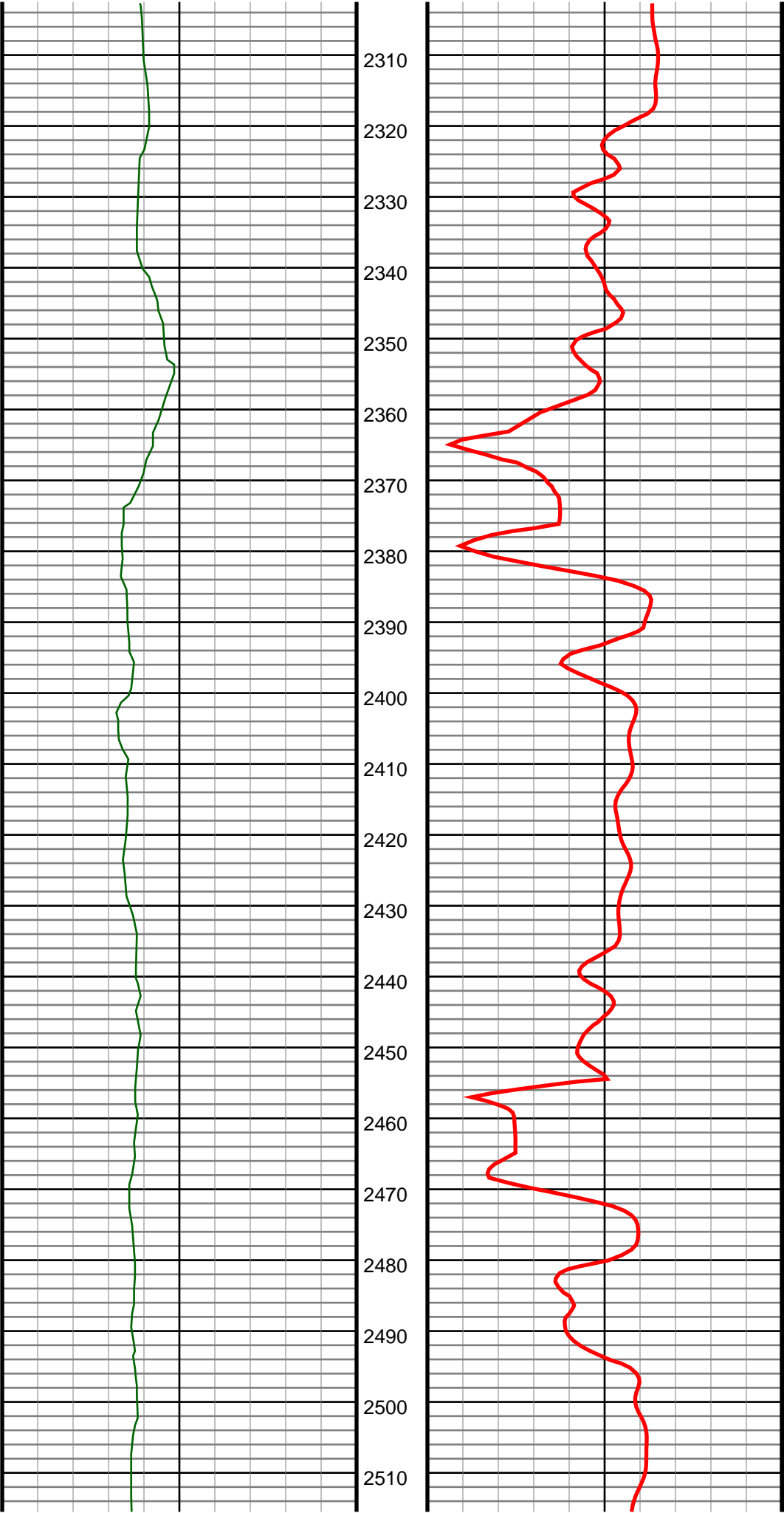
#19 MD(1852.00) Inc(7.1) Azm(152.6) TVD(1850.26)
VS(-25.12) NS(-43.78) EW(27.84) TEMP(0.0)





#22 MD(2128.00) Inc(8.4) Azm(136.1) TVD(2123.59)
VS(-48.38) NS(-72.52) EW(52.90) TEMP(0.0)

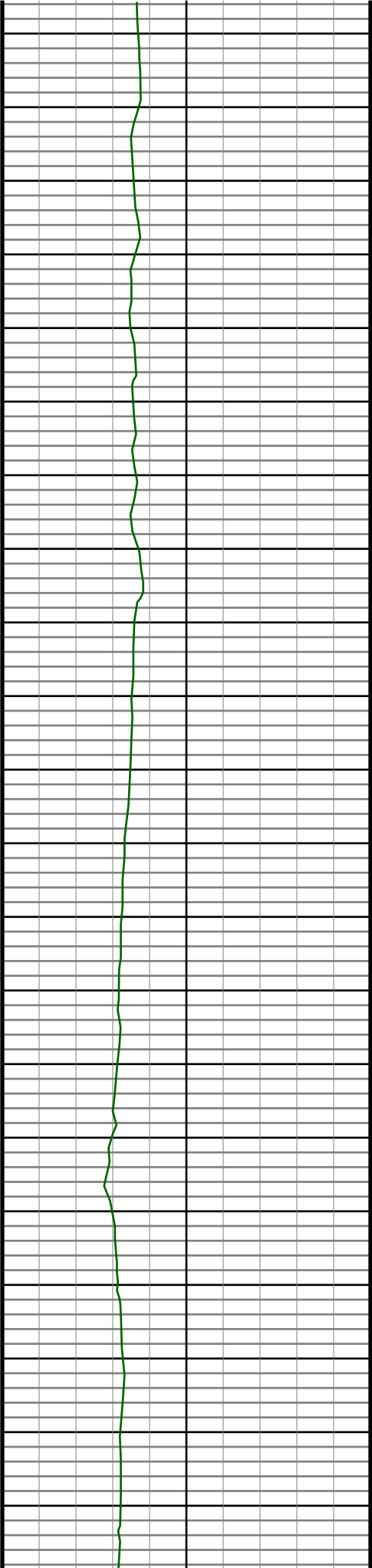
#23 MD(2220.00) Inc(7.9) Azm(142.4) TVD(2214.66)
VS(-56.29) NS(-82.37) EW(61.41) TEMP(0.0)



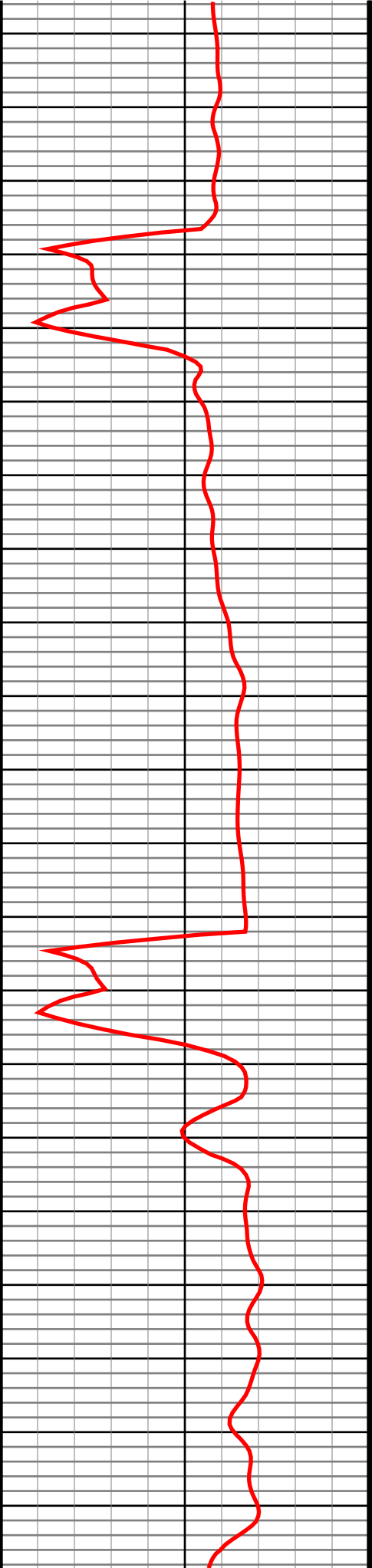
#24 MD(2312.00) Inc(6.7) Azm(145.2) TVD(2305.91)
VS(-62.62) NS(-91.79) EW(68.34) TEMP(0.0)

#25 MD(2404.00) Inc(6.5) Azm(155.4) TVD(2397.30)
VS(-67.29) NS(-100.93) EW(73.57) TEMP(0.0)

#26 MD(2497.00) Inc(7.5) Azm(154.7) TVD(2489.61)
VS(-71.44) NS(-111.20) EW(78.35) TEMP(0.0)

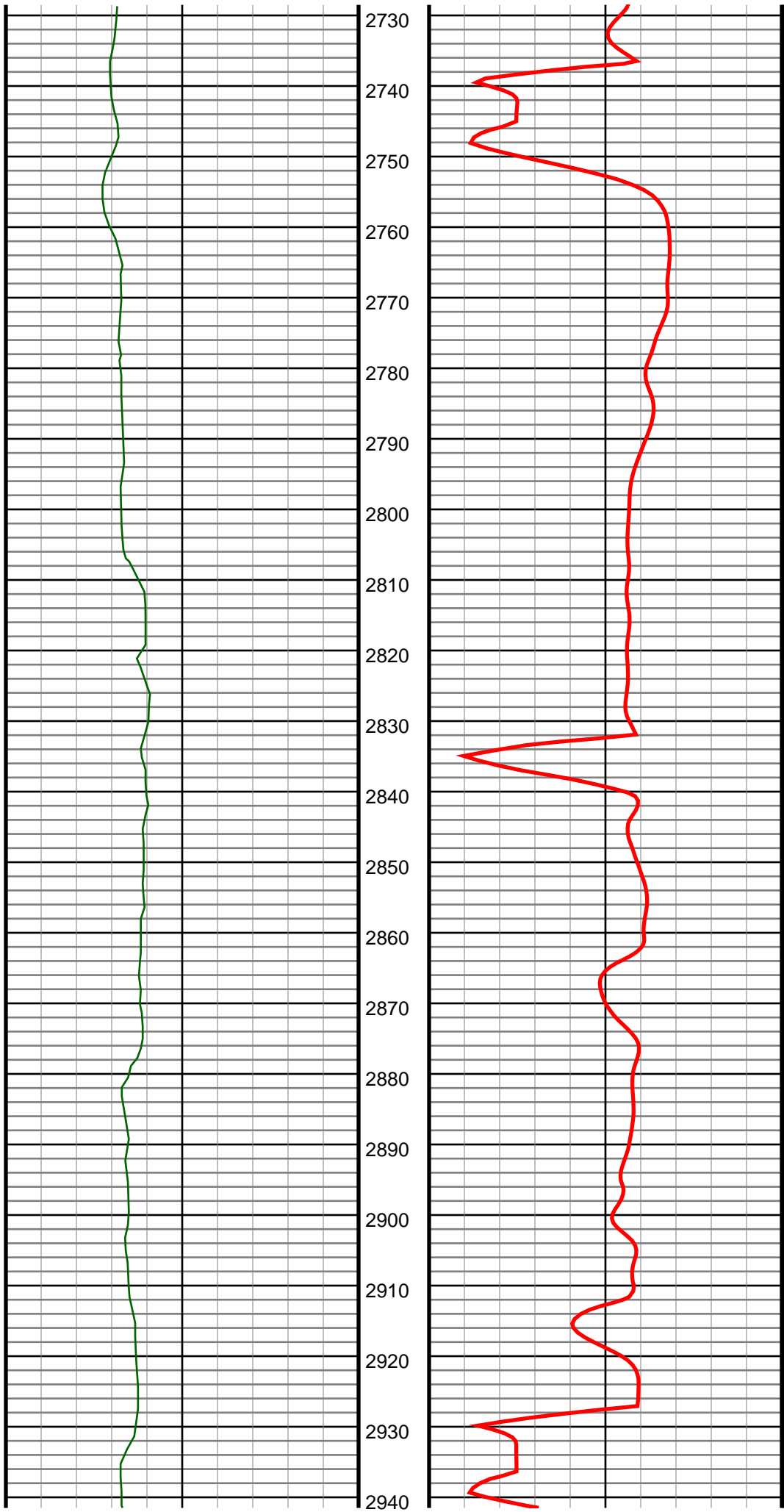


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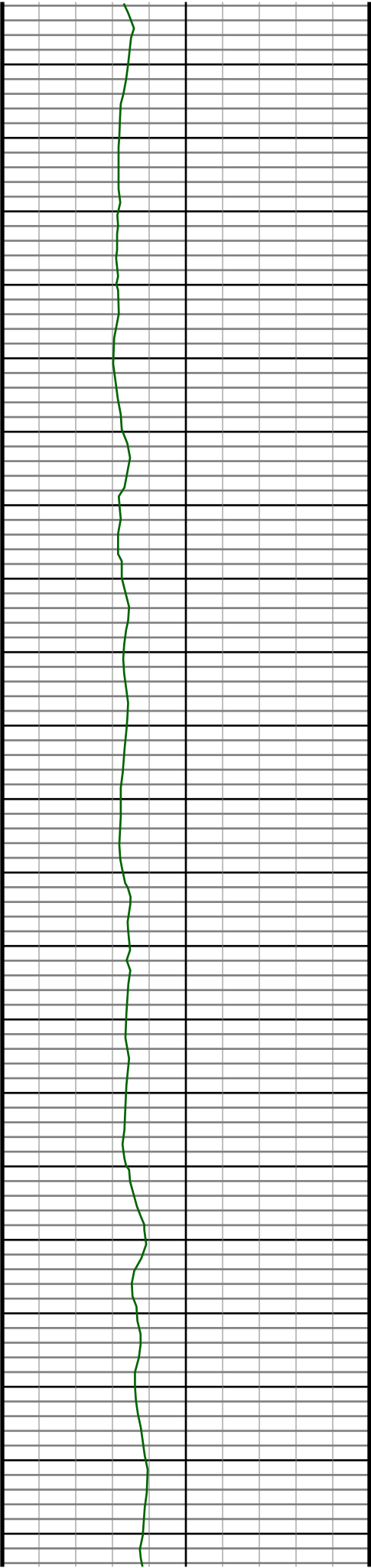
#27 MD(2592.00) Inc(8.2) Azm(152.2) TVD(2583.72)
VS(-76.53) NS(-122.80) EW(84.16) TEMP(0.0)

#28 MD(2687.00) Inc(9.5) Azm(151.9) TVD(2677.59)
VS(-82.58) NS(-135.71) EW(91.01) TEMP(0.0)

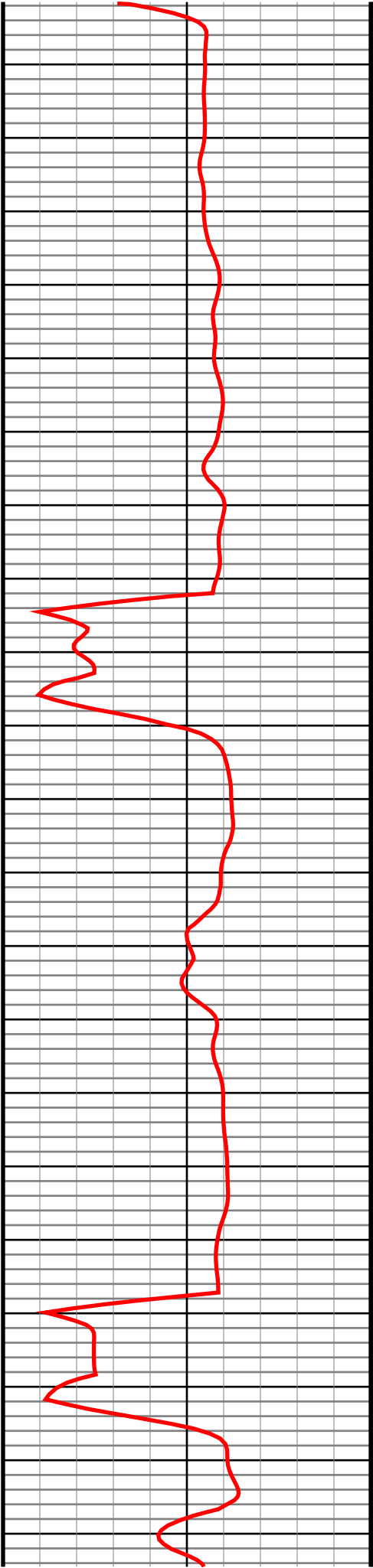


#29 MD(2782.00) Inc(9.8) Azm(145.9) TVD(2771.24)
VS(-89.97) NS(-149.32) EW(99.24) TEMP(0.0)

#30 MD(2877.00) Inc(8.5) Azm(142.4) TVD(2865.03)
VS(-98.02) NS(-161.58) EW(108.06) TEMP(0.0)

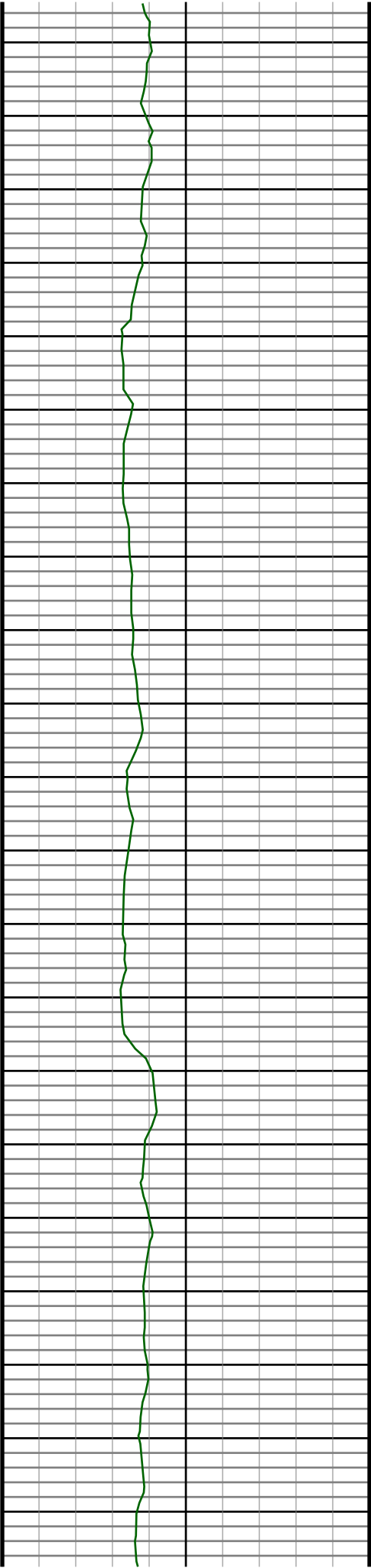


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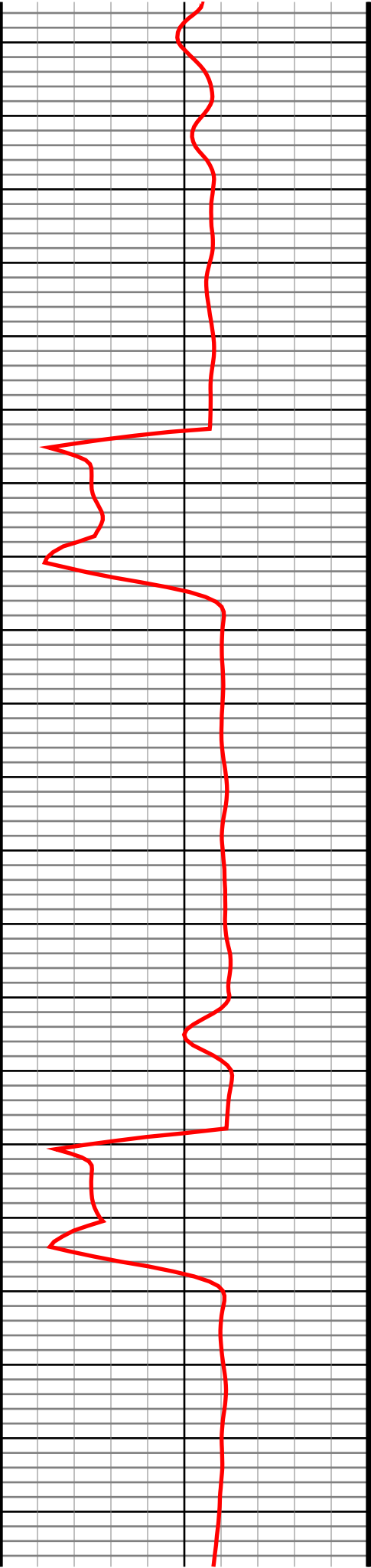


#31 MD(2972.00) Inc(8.6) Azm(139.6) TVD(2958.98)
VS(-106.22) NS(-172.55) EW(116.94) TEMP(0.0)

#32 MD(3068.00) Inc(8.2) Azm(136.1) TVD(3053.95)
VS(-114.97) NS(-182.95) EW(126.34) TEMP(0.0)



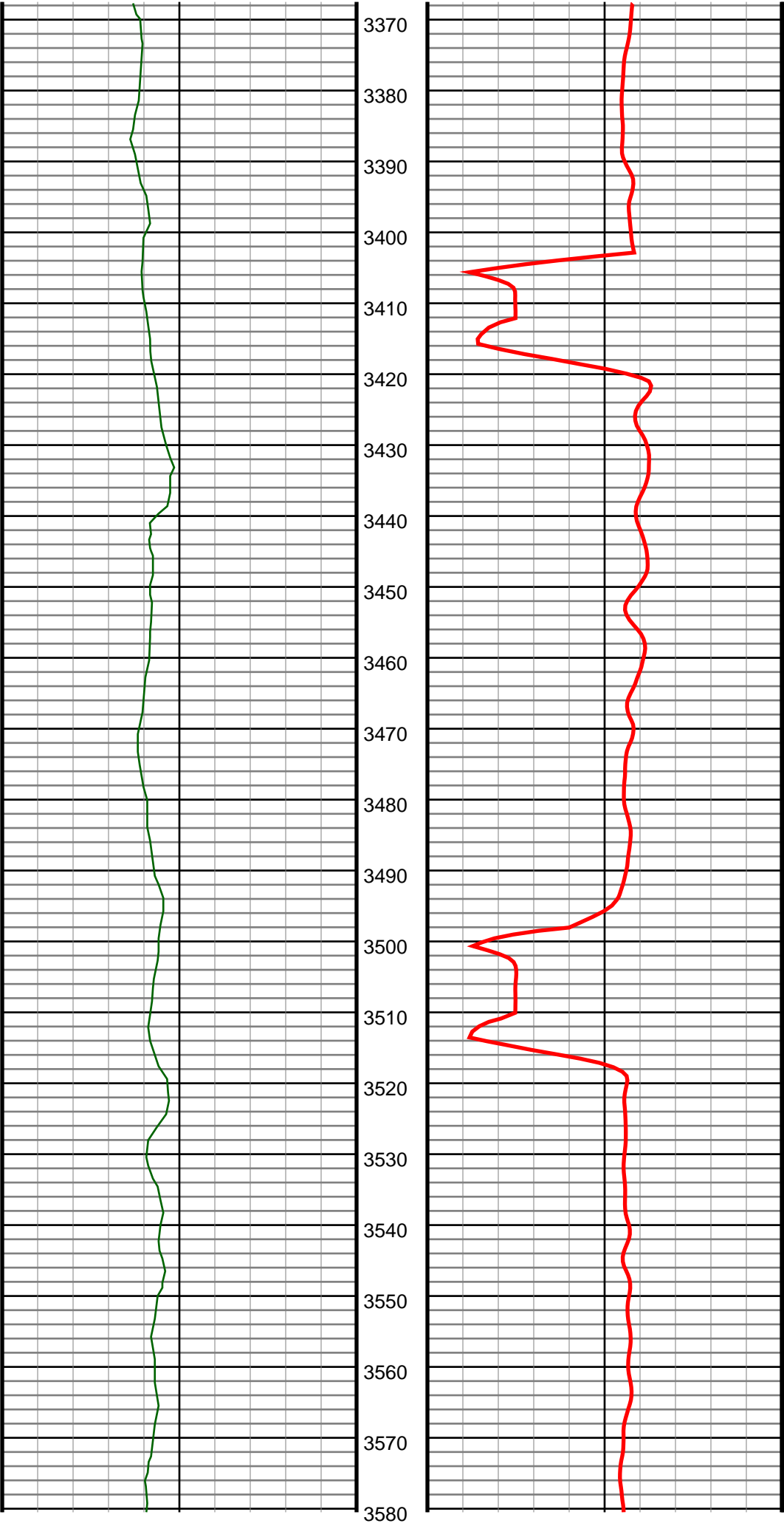
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#33 MD(3163.00) Inc(6.9) Azm(136.8) TVD(3148.12)
VS(-123.01) NS(-191.99) EW(134.95) TEMP(0.0)

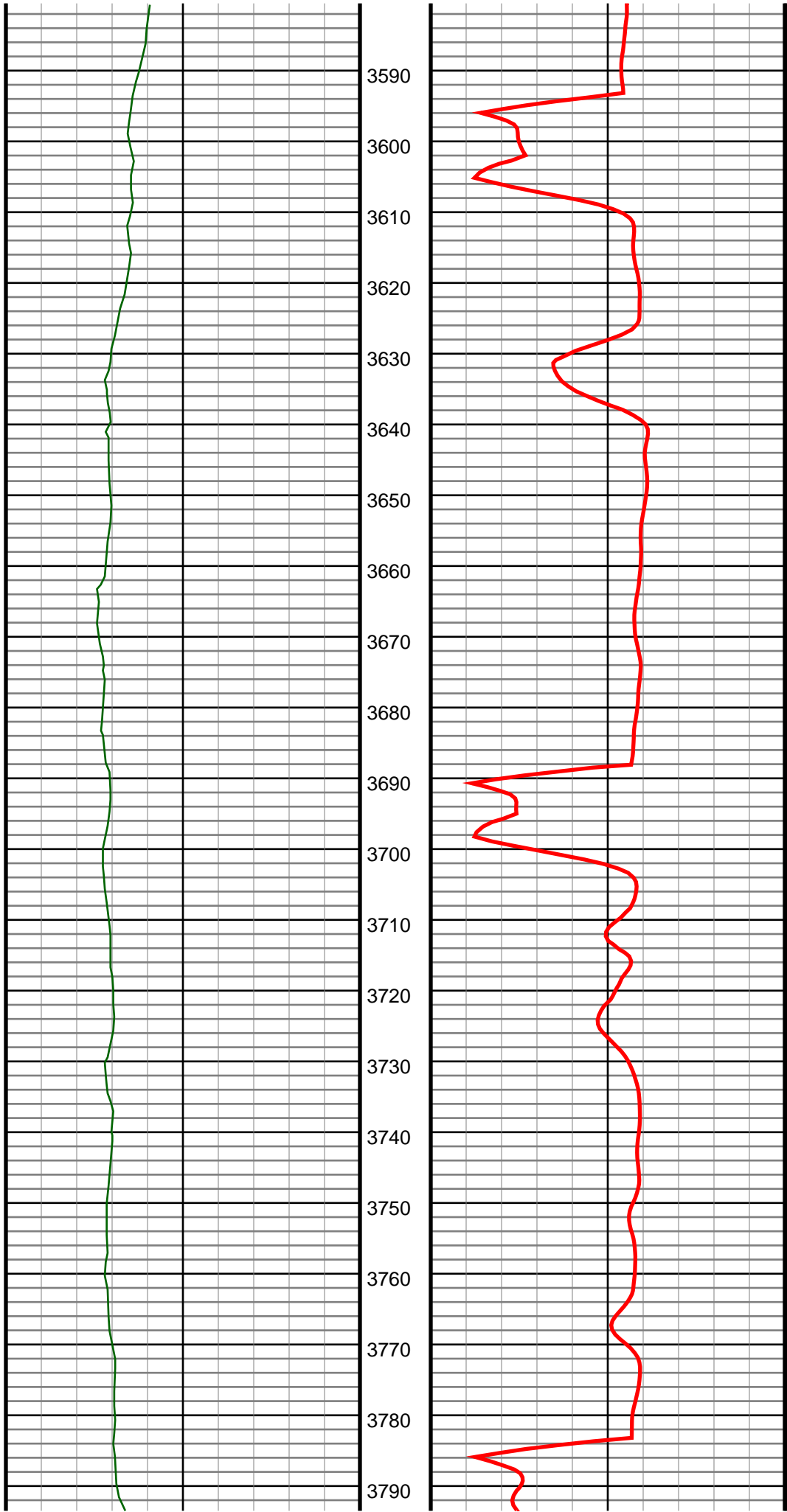
#34 MD(3258.00) Inc(6.7) Azm(149.8) TVD(3242.46)
VS(-129.15) NS(-200.94) EW(141.64) TEMP(0.0)

#35 MD(3353.00) Inc(7.1) Azm(147.5) TVD(3336.77)
VS(-134.48) NS(-210.69) EW(147.58) TEMP(0.0)



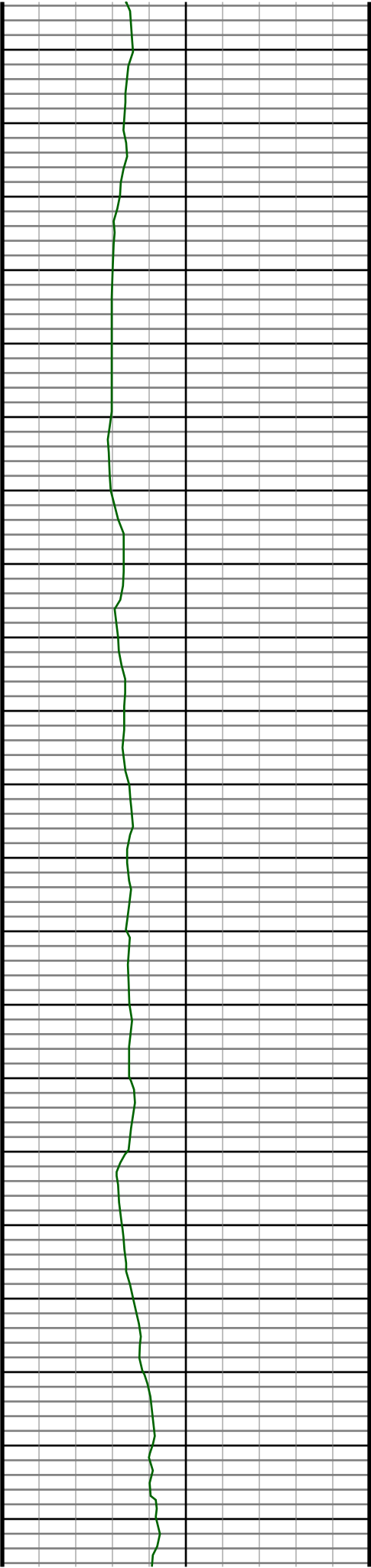
#36 MD(3448.00) Inc(7.5) Azm(142.4) TVD(3431.00)
VS(-140.81) NS(-220.55) EW(154.52) TEMP(0.0)

#37 MD(3544.00) Inc(7.1) Azm(148.6) TVD(3526.23)
VS(-147.10) NS(-230.58) EW(161.44) TEMP(0.0)



#38 MD(3639.00) Inc(7.5) Azm(147.9) TVD(3620.46)
VS(-152.82) NS(-240.84) EW(167.79) TEMP(0.0)

#39 MD(3734.00) Inc(8.2) Azm(148.9) TVD(3714.57)
VS(-158.93) NS(-251.89) EW(174.58) TEMP(0.0)



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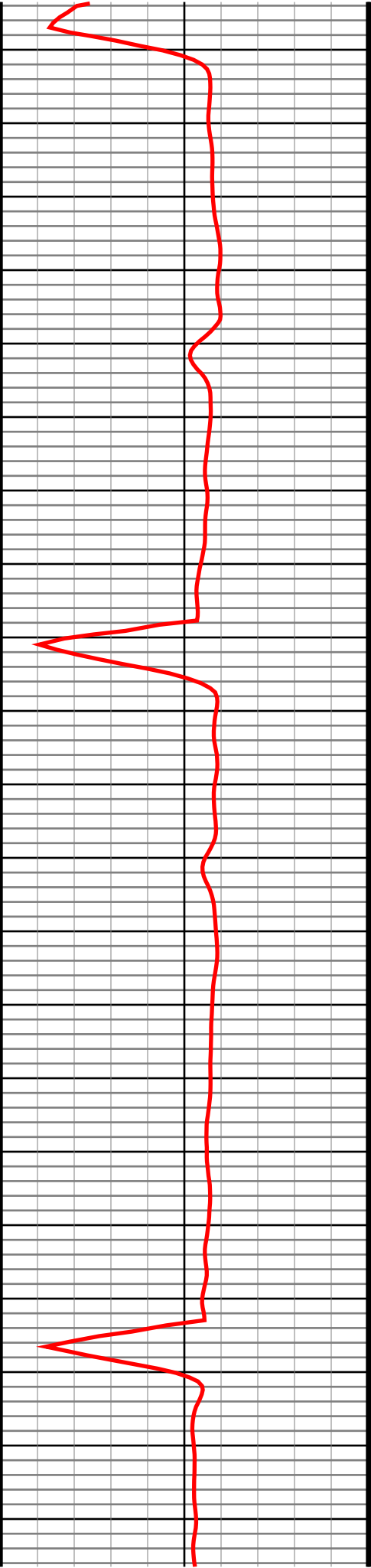
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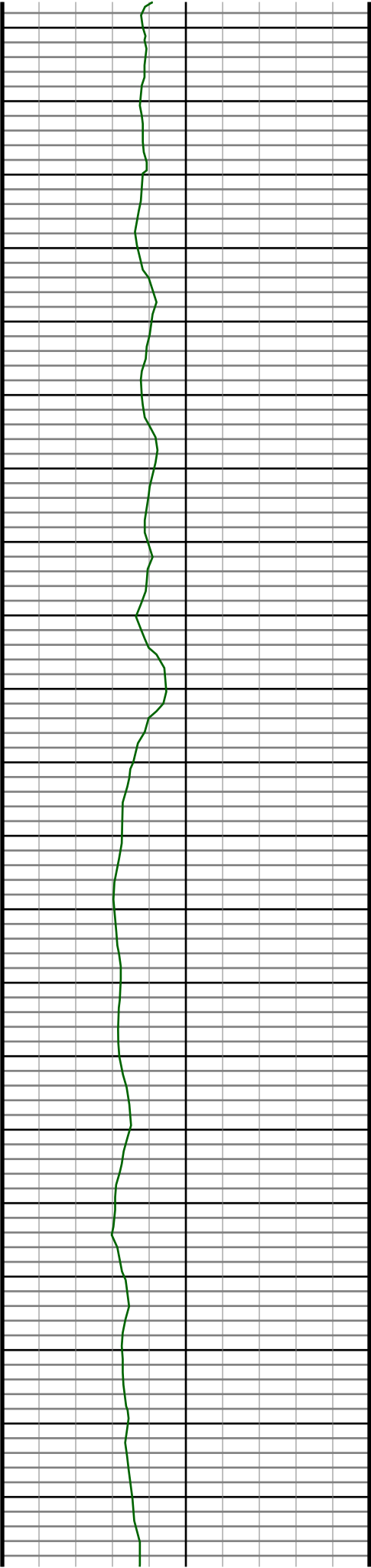
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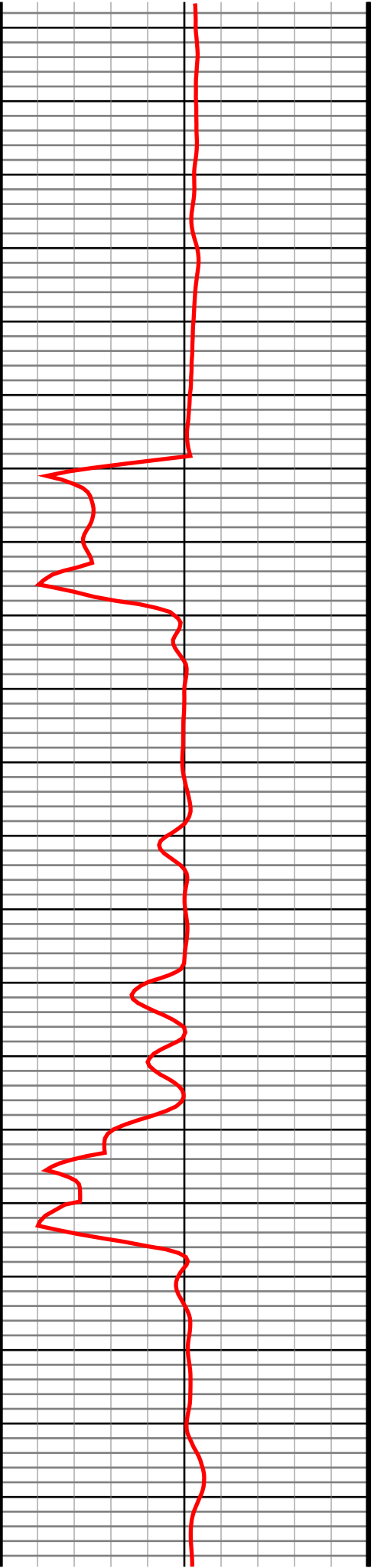


#40 MD(3829.00) Inc(8.7) Azm(140.8) TVD(3808.54)
VS(-166.26) NS(-263.26) EW(182.62) TEMP(0.0)

#41 MD(3924.00) Inc(8.6) Azm(142.8) TVD(3902.46)
VS(-174.40) NS(-274.49) EW(191.46) TEMP(0.0)



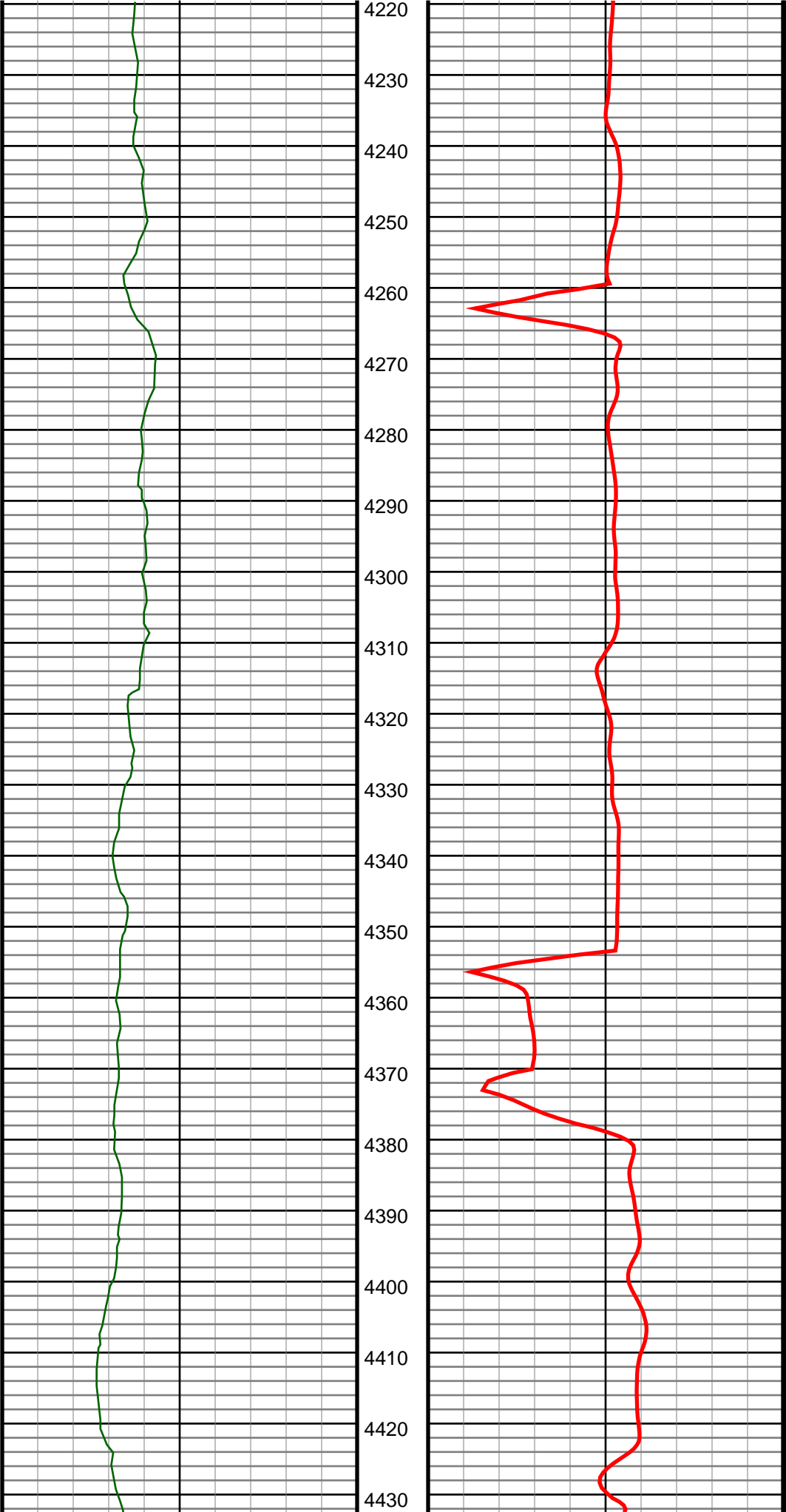
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#42 MD(4019.00) Inc(8.2) Azm(138.7) TVD(3996.44)
VS(-182.49) NS(-285.24) EW(200.23) TEMP(0.0)

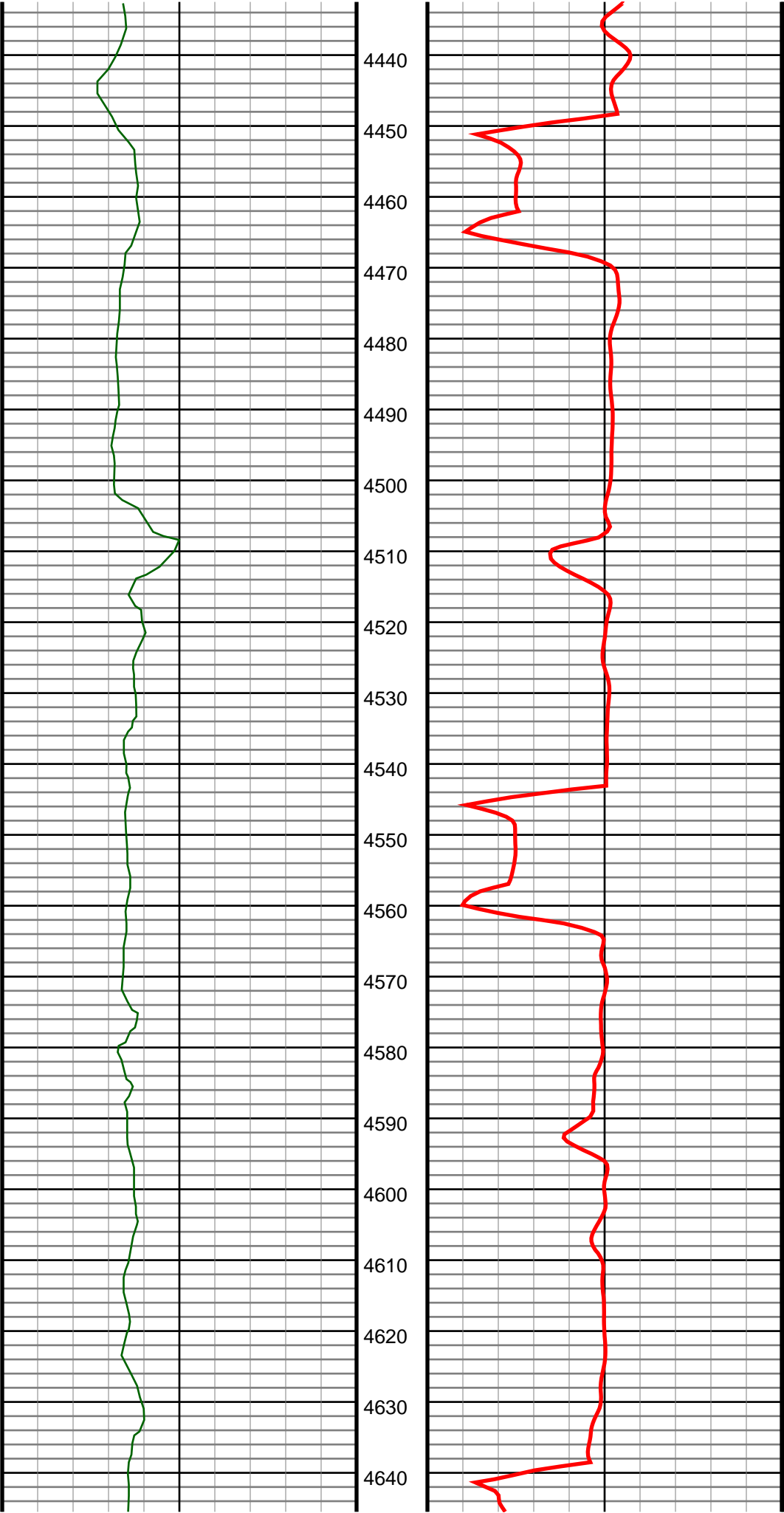
#43 MD(4115.00) Inc(7.6) Azm(144.3) TVD(4091.53)
VS(-190.07) NS(-295.54) EW(208.45) TEMP(0.0)

#44 MD(4210.00) Inc(7.9) Azm(144.9) TVD(4185.66)
VS(-196.84) NS(-305.98) EW(215.87) TEMP(0.0)



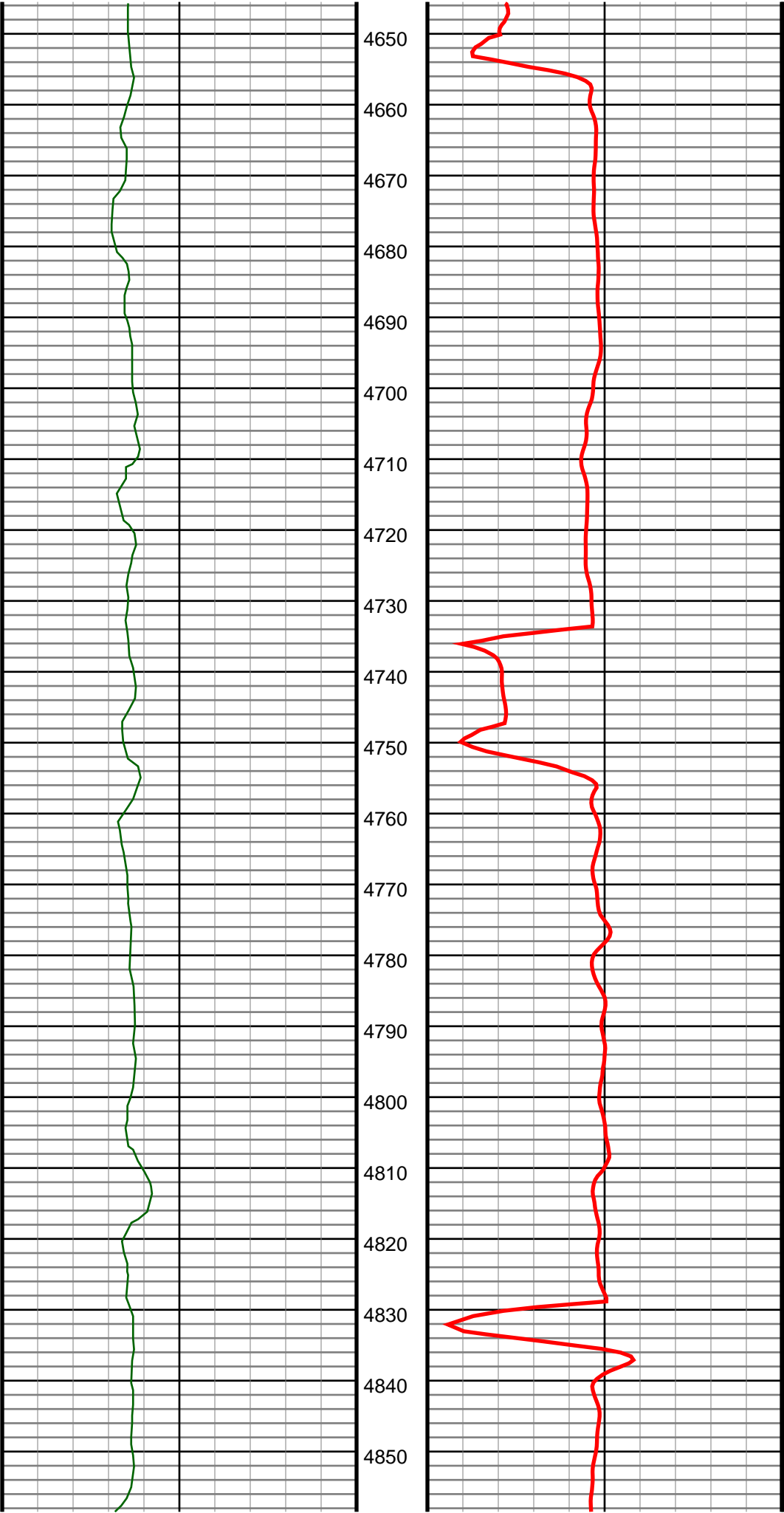
#45 MD(4305.00) Inc(7.3) Azm(138.5) TVD(4279.83)
VS(-203.98) NS(-315.84) EW(223.62) TEMP(0.0)

#46 MD(4400.00) Inc(6.7) Azm(151.0) TVD(4374.12)
VS(-210.08) NS(-325.21) EW(230.31) TEMP(0.0)



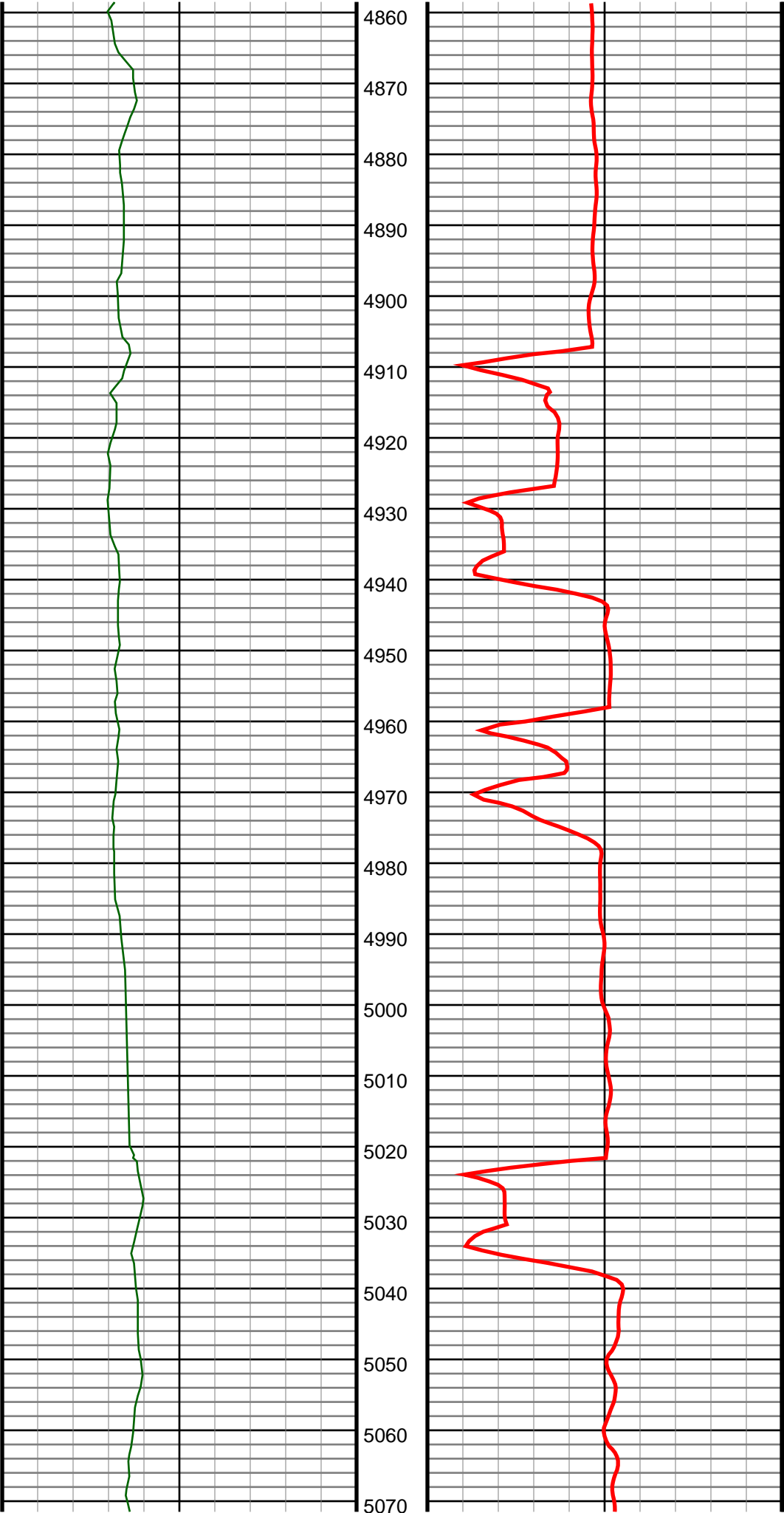
#47 MD(4495.00) Inc(7.4) Azm(142.0) TVD(4468.41)
VS(-215.94) NS(-334.88) EW(236.76) TEMP(0.0)

#48 MD(4591.00) Inc(7.6) Azm(145.6) TVD(4563.59)
VS(-222.70) NS(-344.99) EW(244.15) TEMP(0.0)



#49 MD(4686.00) Inc(7.9) Azm(145.4) TVD(4657.72)
VS(-229.30) NS(-355.54) EW(251.41) TEMP(0.0)

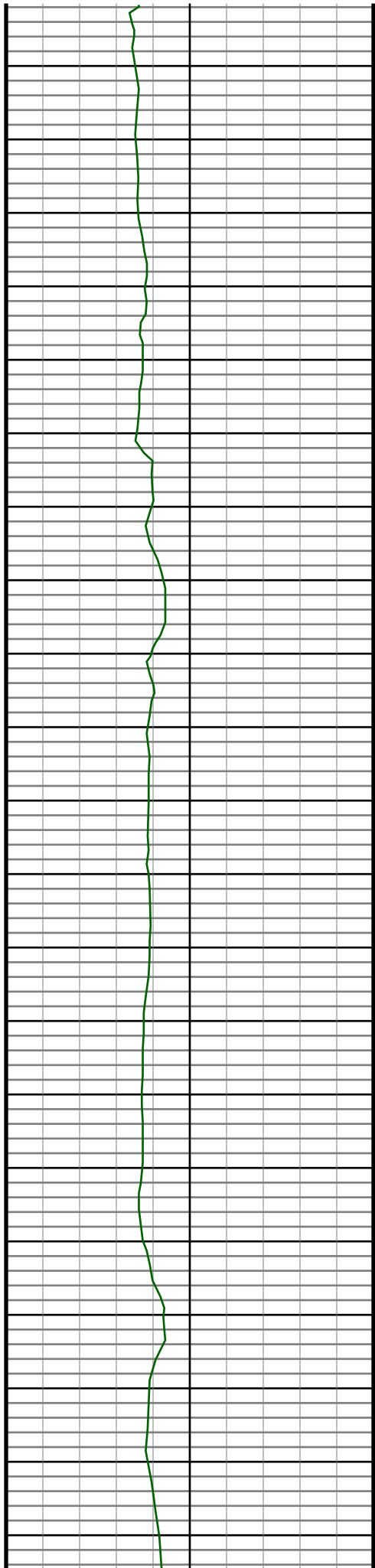
#50 MD(4781.00) Inc(7.2) Azm(150.7) TVD(4751.90)
VS(-235.27) NS(-366.11) EW(258.03) TEMP(0.0)



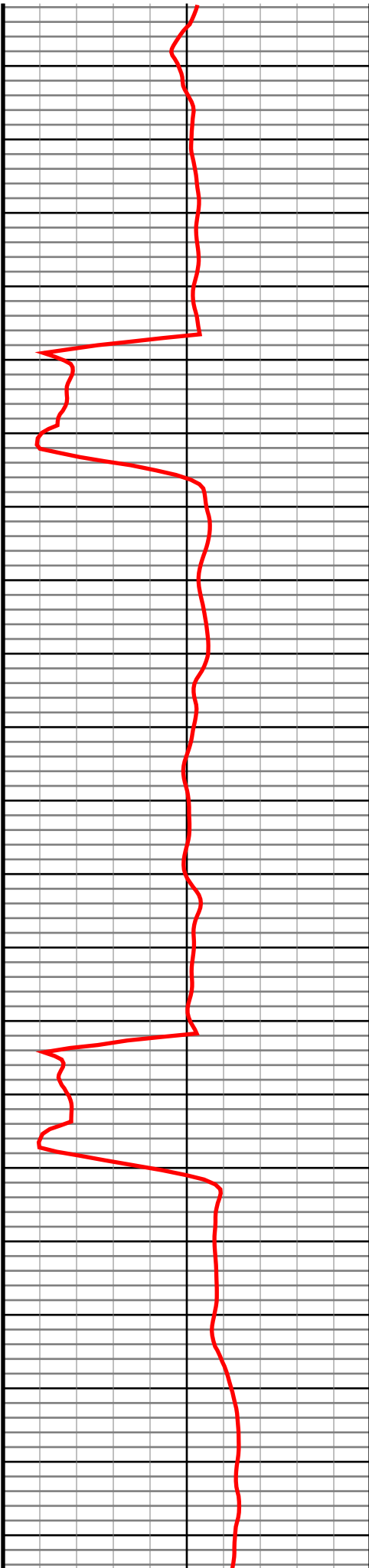
#51 MD(4876.00) Inc(6.2) Azm(142.0) TVD(4846.25)
VS(-240.77) NS(-375.35) EW(264.10) TEMP(0.0)

#52 MD(4971.00) Inc(4.8) Azm(151.4) TVD(4940.81)
VS(-245.36) NS(-382.88) EW(269.17) TEMP(0.0)

#53 MD(5067.00) Inc(3.5) Azm(144.2) TVD(5036.56)
VS(-248.63) NS(-388.78) EW(272.80) TEMP(0.0)

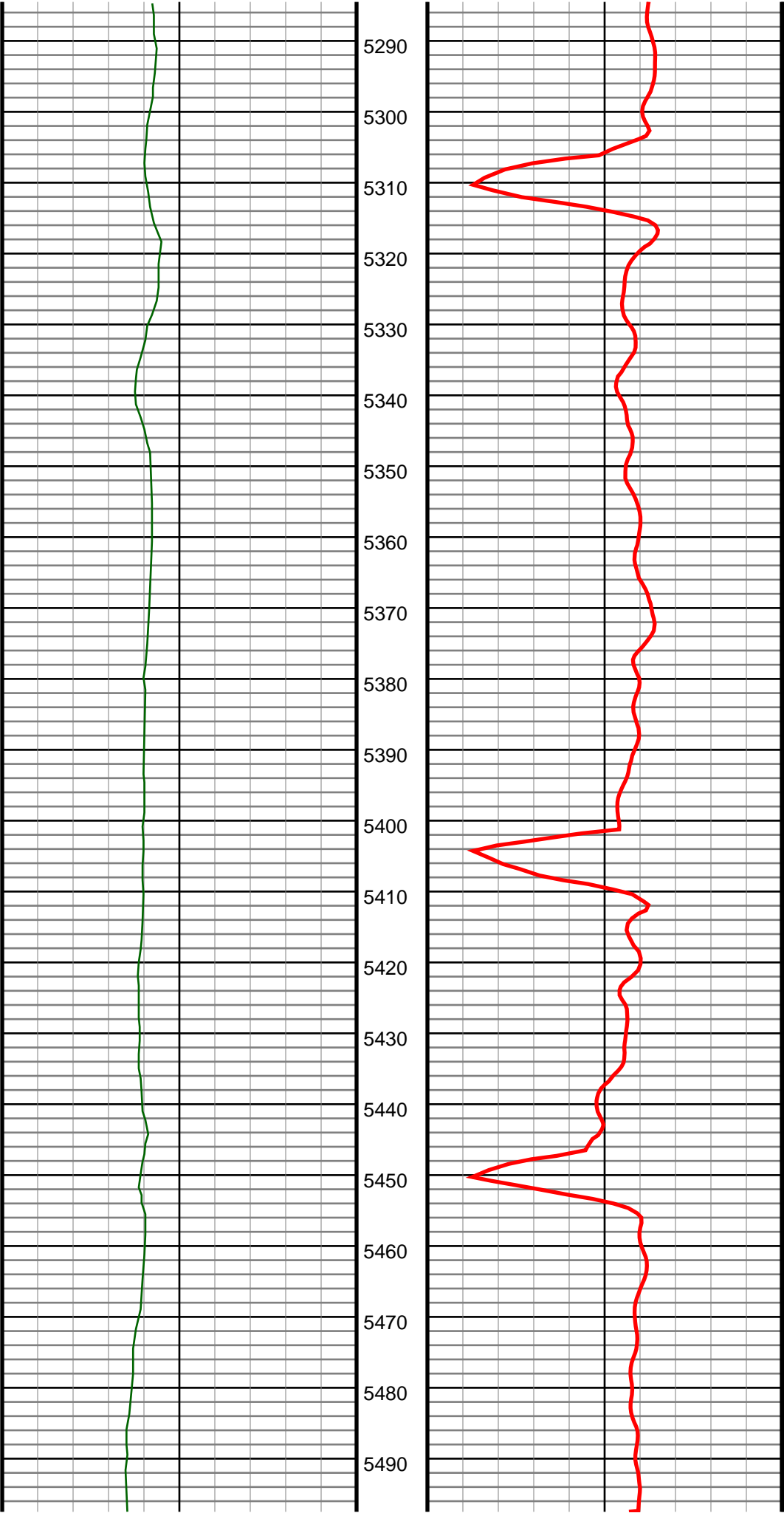


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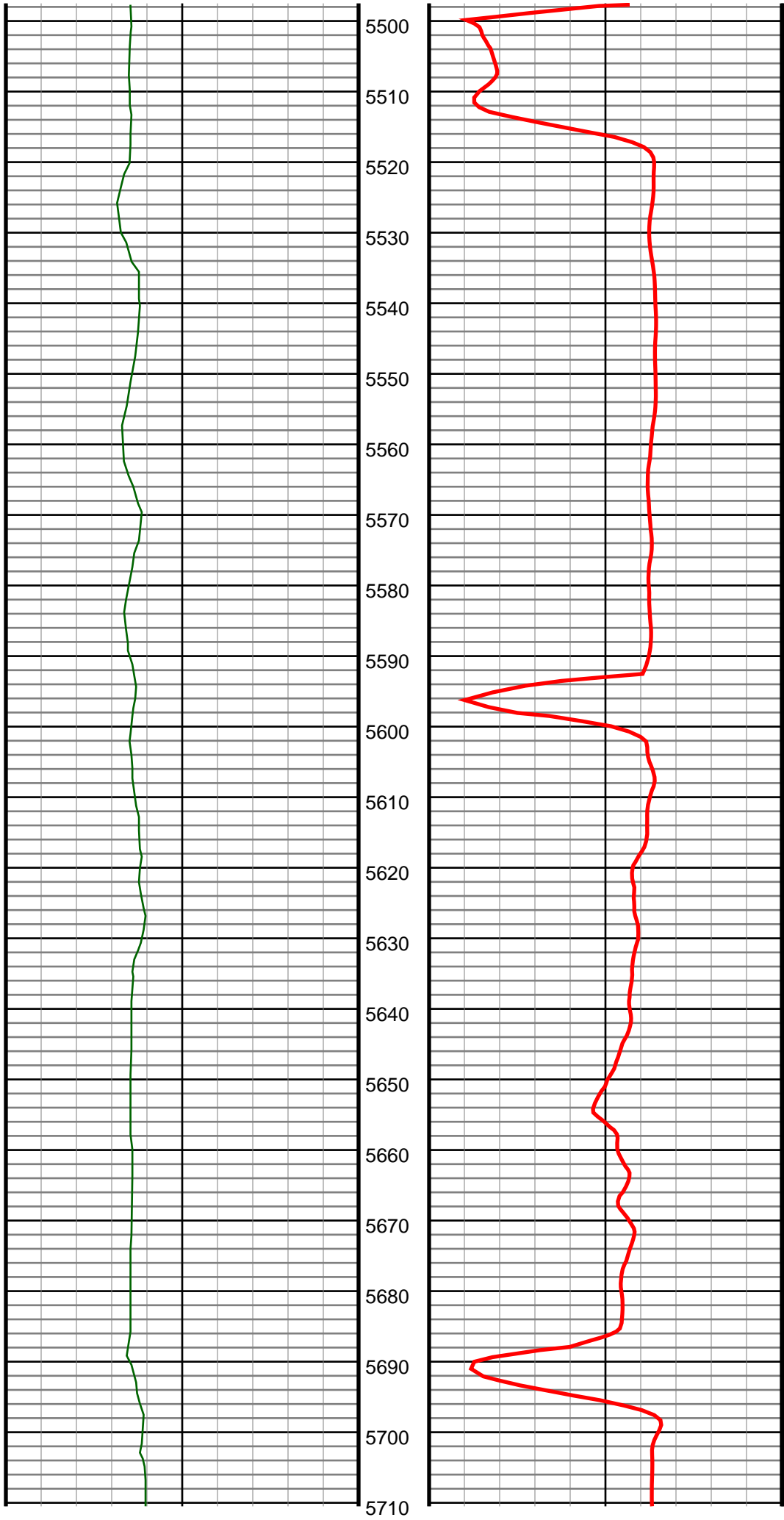
#54 MD(5162.00) Inc(1.5) Azm(157.0) TVD(5131.46)
VS(-250.60) NS(-392.28) EW(274.98) TEMP(0.0)

#55 MD(5256.00) Inc(0.4) Azm(235.7) TVD(5225.45)
VS(-250.72) NS(-393.60) EW(275.19) TEMP(0.0)



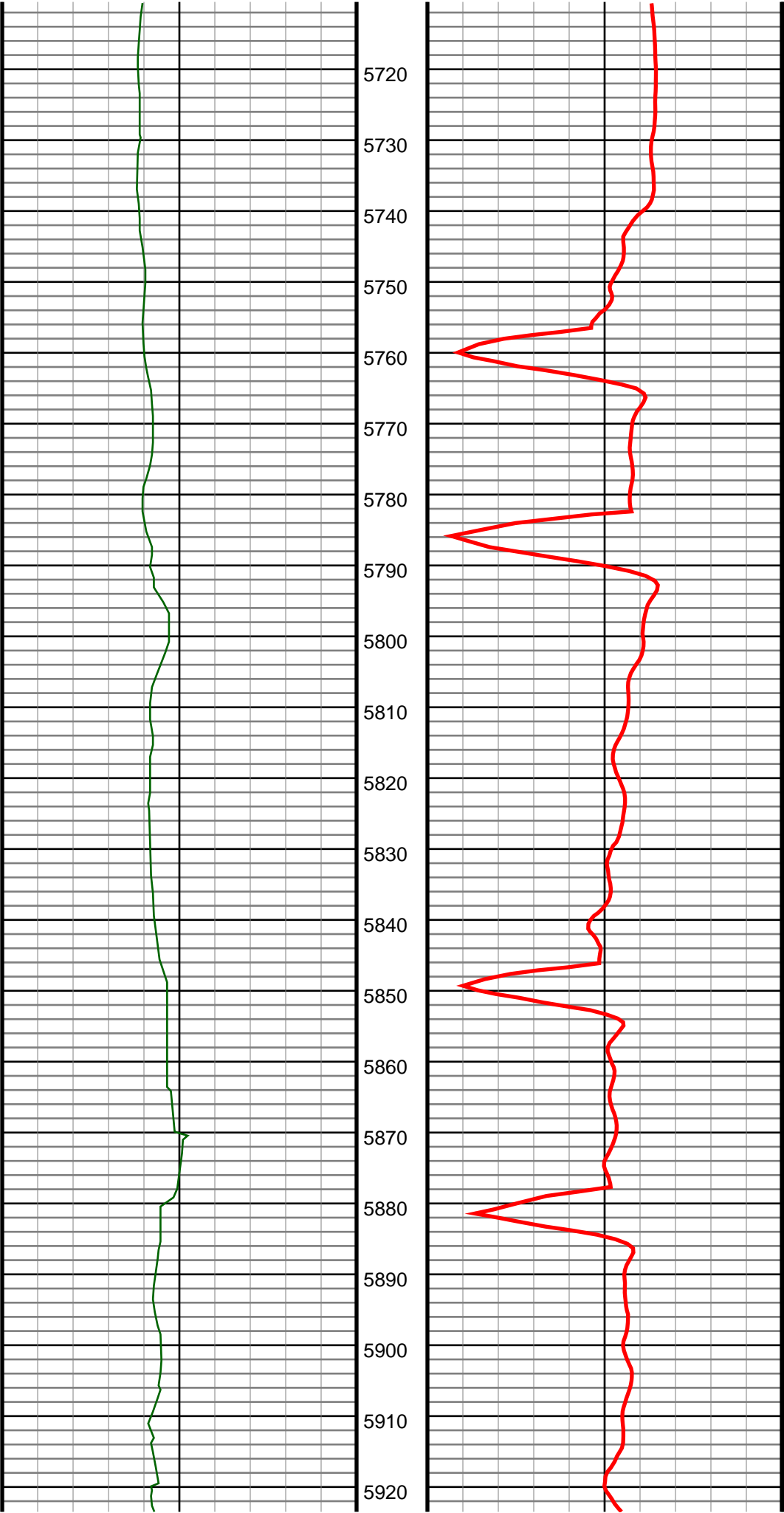
#56 MD(5351.00) Inc(0.4) Azm(193.9) TVD(5320.45)
VS(-250.34) NS(-394.10) EW(274.84) TEMP(0.0)

#57 MD(5447.00) Inc(0.8) Azm(184.8) TVD(5416.44)
VS(-250.14) NS(-395.10) EW(274.70) TEMP(0.0)



#58 MD(5542.00) Inc(1.1) Azm(298.1) TVD(5511.44)
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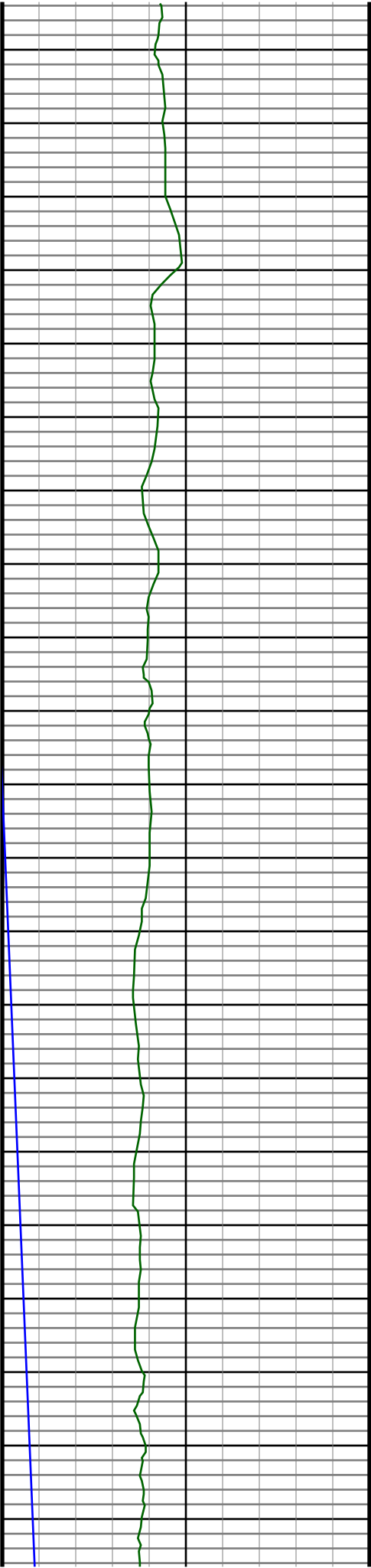
#59 MD(5637.00) Inc(0.8) Azm(256.8) TVD(5606.43)
VS(-247.84) NS(-395.05) EW(272.39) TEMP(0.0)



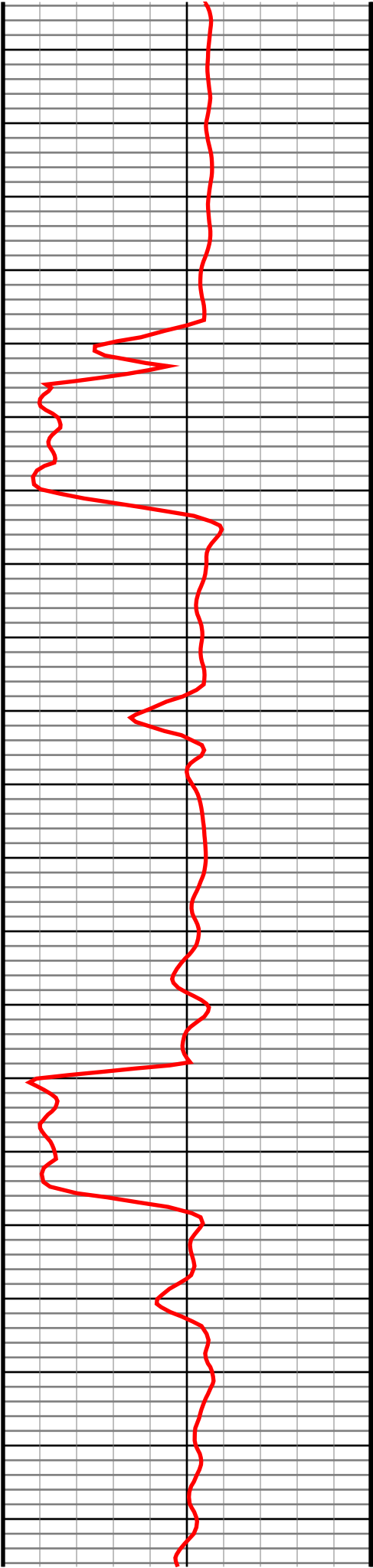
#60 MD(5732.00) Inc(1.1) Azm(233.5) TVD(5701.41)
VS(-246.42) NS(-395.74) EW(271.02) TEMP(0.0)

#61 MD(5827.00) Inc(1.0) Azm(229.6) TVD(5796.40)
VS(-244.99) NS(-396.82) EW(269.65) TEMP(0.0)

#62 MD(5922.00) Inc(1.1) Azm(222.4) TVD(5891.38)
VS(-243.68) NS(-398.04) EW(268.41) TEMP(0.0)

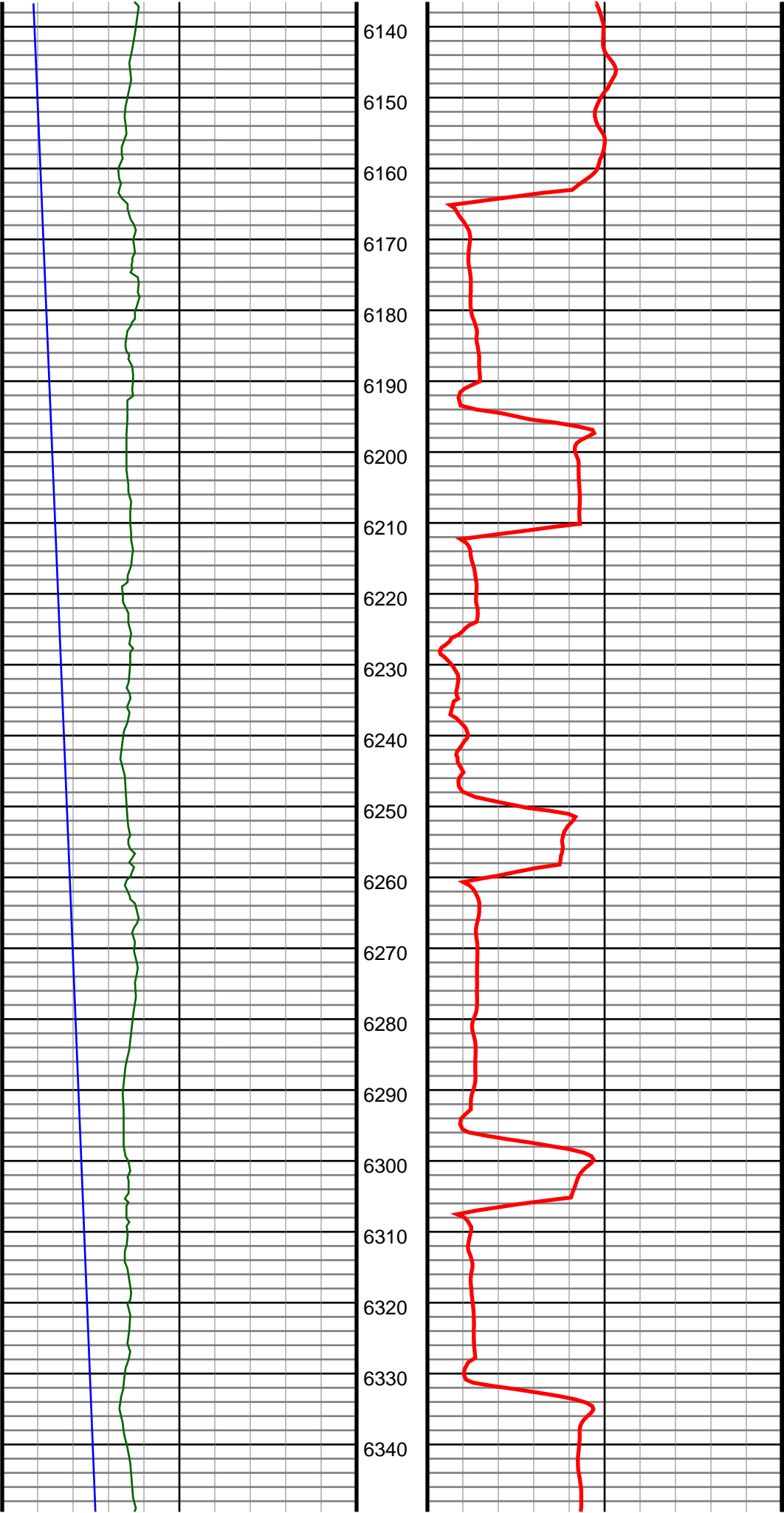


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#63 MD(6017.00) Inc(0.5) Azm(205.0) TVD(5986.37)
VS(-242.82) NS(-399.08) EW(267.61) TEMP(0.0)

#64 MD(6112.00) Inc(0.4) Azm(330.1) TVD(6081.37)
VS(-242.48) NS(-399.17) EW(267.27) TEMP(0.0)

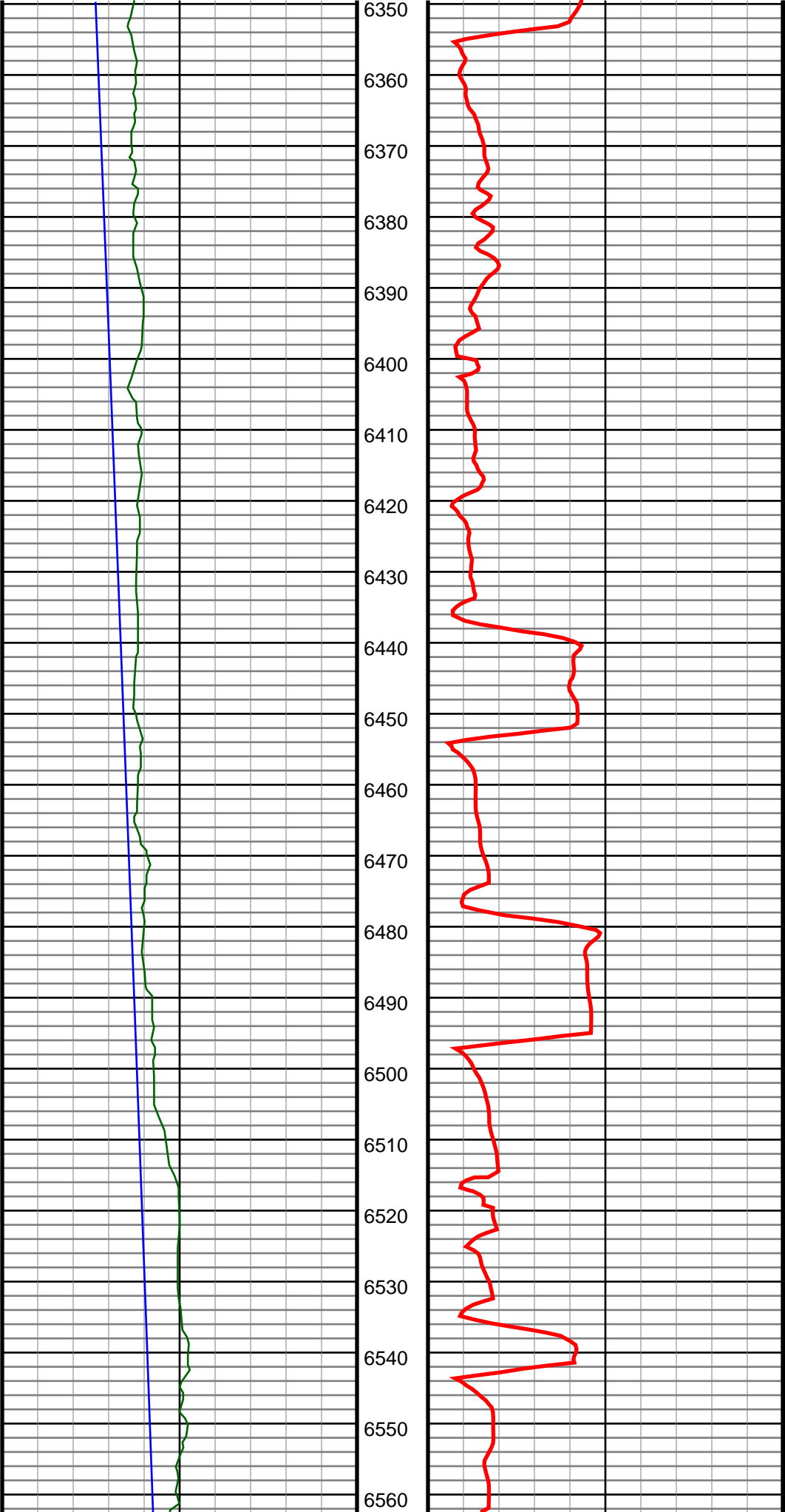


#65 MD(6160.00) Inc(1.4) Azm(303.2) TVD(6129.36)
VS(-241.93) NS(-398.71) EW(266.70) TEMP(0.0)

#66 MD(6207.00) Inc(5.5) Azm(295.7) TVD(6176.27)
VS(-239.51) NS(-397.41) EW(264.19) TEMP(0.0)

#67 MD(6255.00) Inc(9.8) Azm(295.0) TVD(6223.83)
VS(-233.91) NS(-394.69) EW(258.41) TEMP(0.0)

#68 MD(6302.00) Inc(14.2) Azm(283.4) TVD(6269.80)
VS(-224.87) NS(-391.66) EW(249.17) TEMP(0.0)



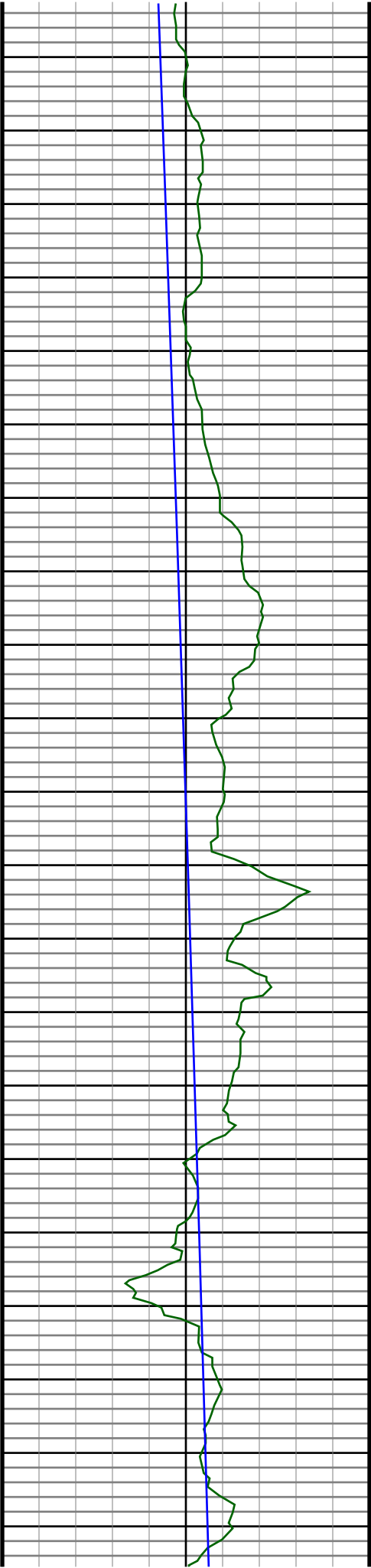
#69 MD(6350.00) Inc(16.5) Azm(282.1) TVD(6316.08)
VS(-212.67) NS(-388.87) EW(236.78) TEMP(0.0)

#70 MD(6397.00) Inc(19.9) Azm(269.7) TVD(6360.74)
VS(-198.24) NS(-387.51) EW(222.24) TEMP(0.0)

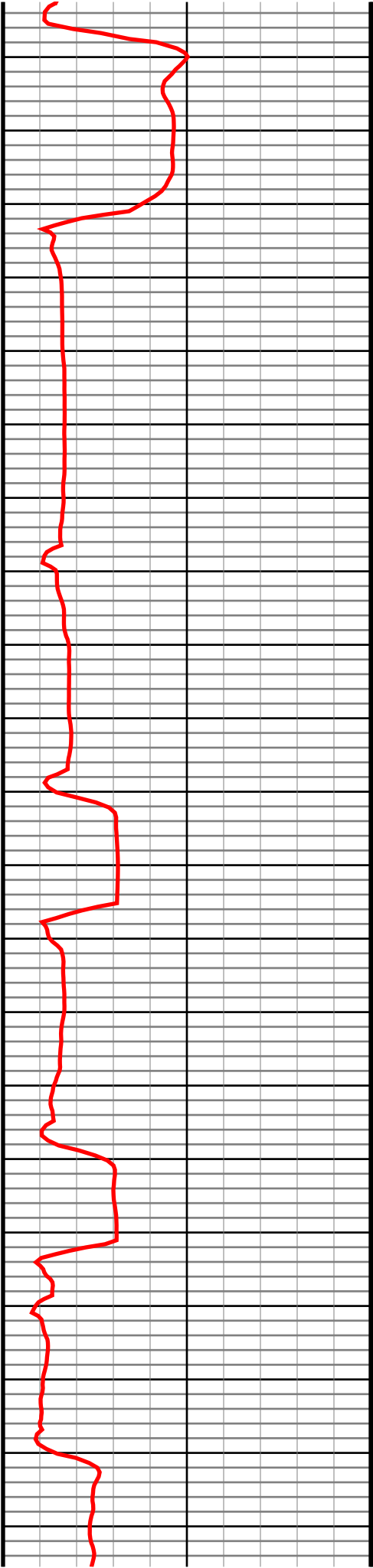
#71 MD(6445.00) Inc(23.0) Azm(270.0) TVD(6405.41)
VS(-180.72) NS(-387.55) EW(204.69) TEMP(0.0)

#72 MD(6493.00) Inc(25.9) Azm(273.9) TVD(6449.11)
VS(-160.96) NS(-386.84) EW(184.85) TEMP(0.0)

#73 MD(6541.00) Inc(29.7) Azm(276.5) TVD(6491.56)
VS(-138.84) NS(-384.78) EW(162.57) TEMP(0.0)



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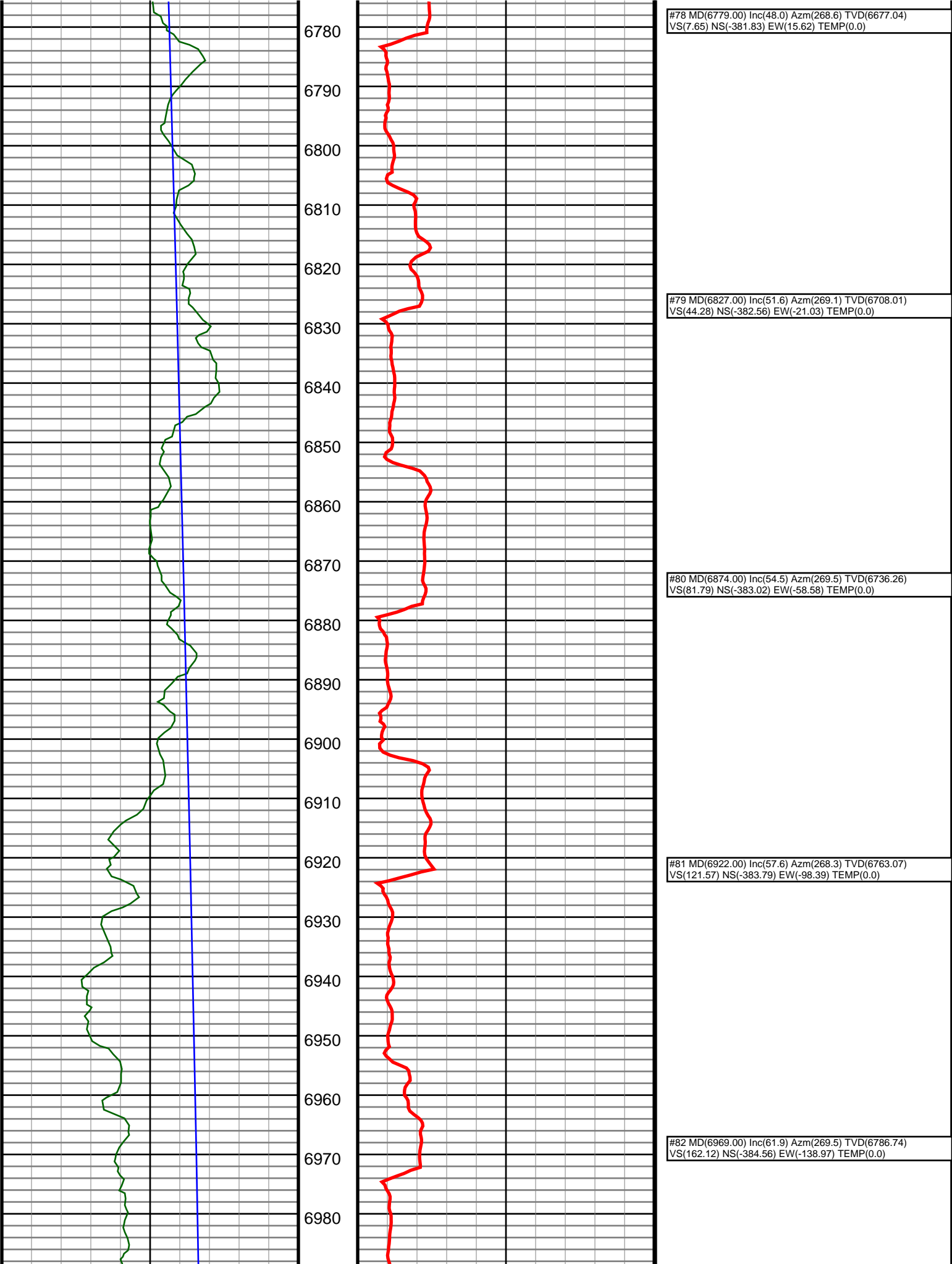


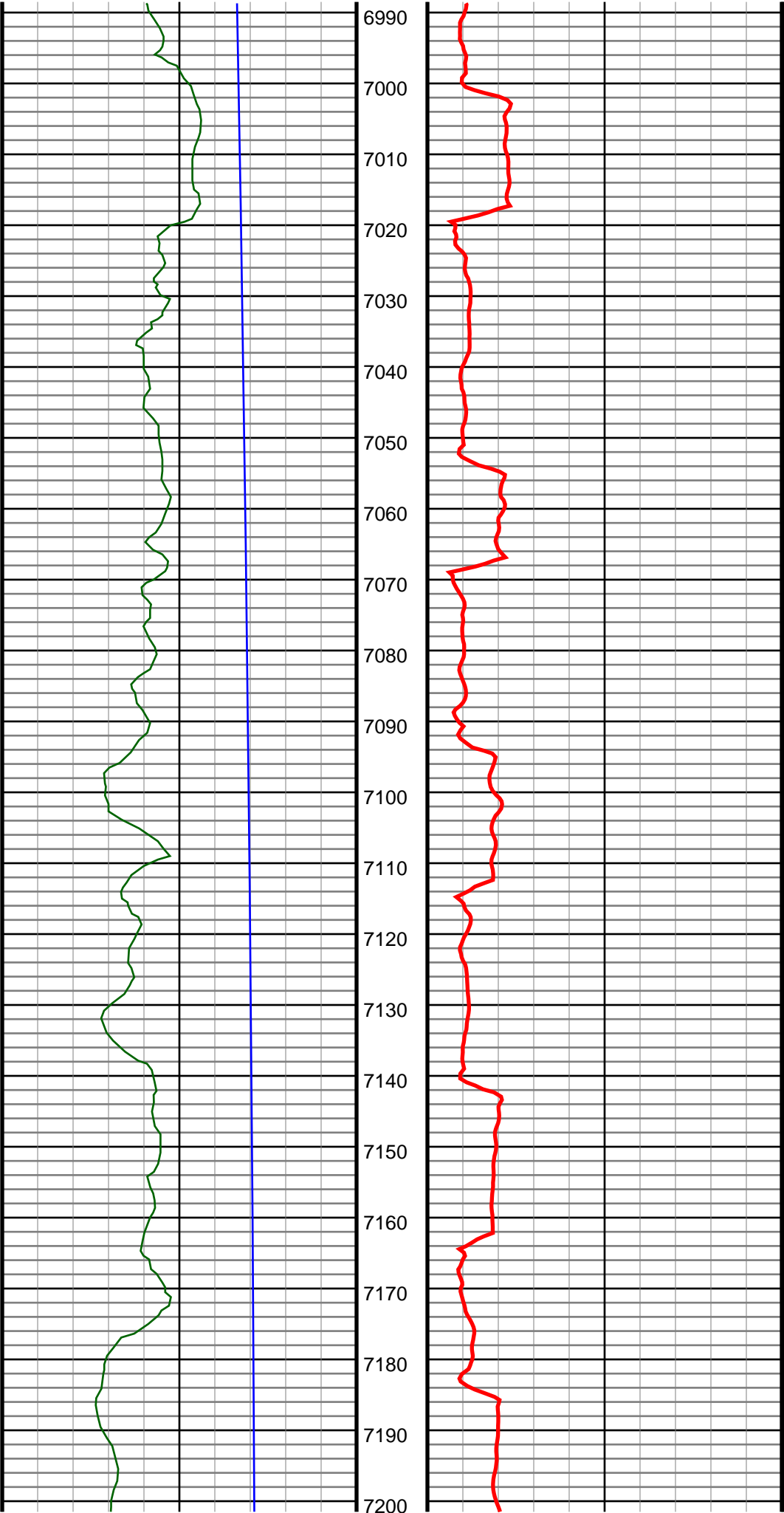
#74 MD(6588.00) Inc(31.3) Azm(274.8) TVD(6532.05)
VS(-115.29) NS(-382.44) EW(138.83) TEMP(0.0)

#75 MD(6635.00) Inc(36.1) Azm(269.8) TVD(6571.15)
VS(-89.37) NS(-381.46) EW(112.80) TEMP(0.0)

#76 MD(6683.00) Inc(40.6) Azm(271.2) TVD(6608.79)
VS(-59.67) NS(-381.19) EW(83.03) TEMP(0.0)

#77 MD(6731.00) Inc(45.0) Azm(269.1) TVD(6644.00)
VS(-27.13) NS(-381.13) EW(50.43) TEMP(0.0)



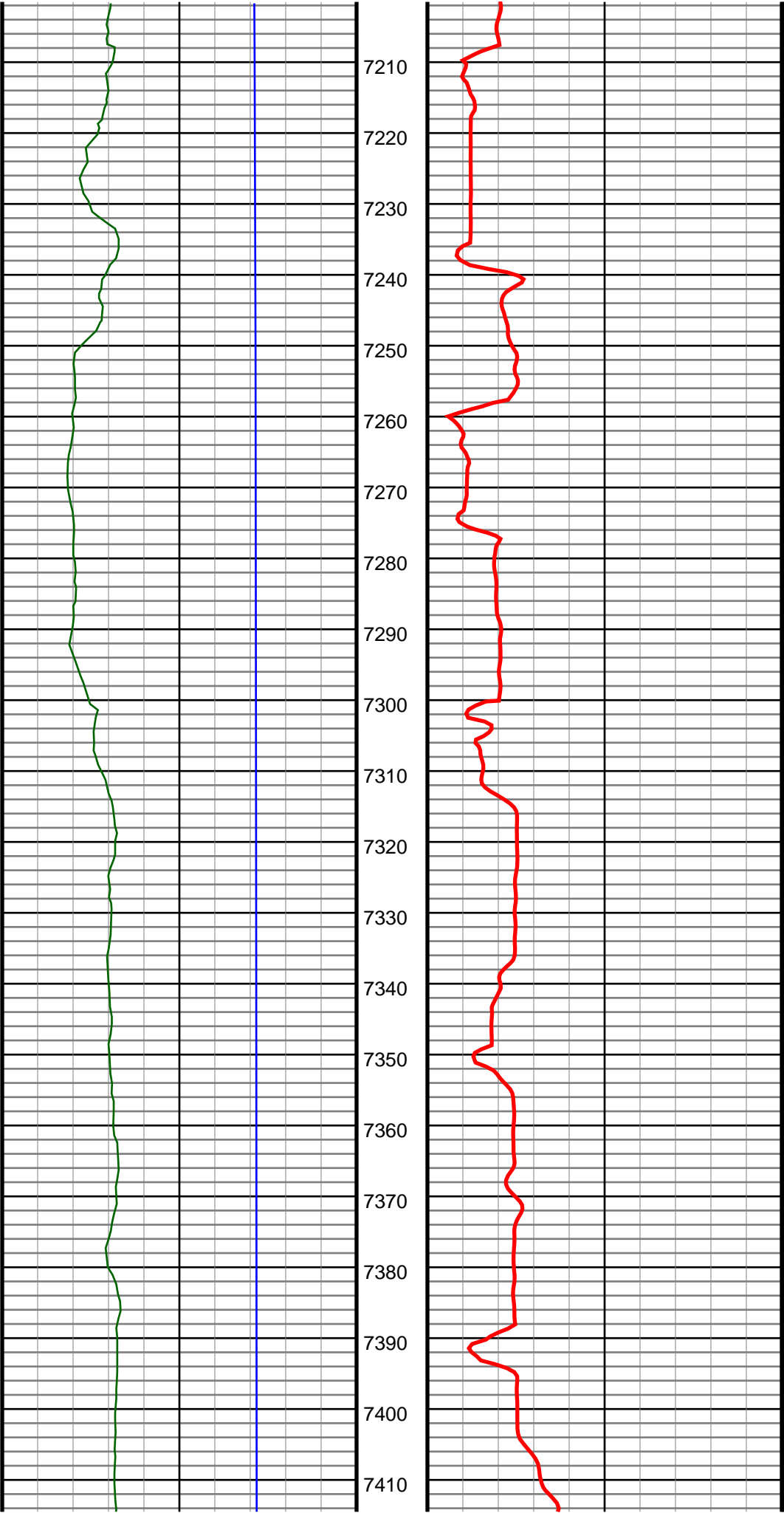


#83 MD(7017.00) Inc(66.6) Azm(269.8) TVD(6807.59)
VS(205.28) NS(-384.82) EW(-182.19) TEMP(0.0)

#84 MD(7065.00) Inc(71.6) Azm(269.8) TVD(6824.71)
VS(250.03) NS(-384.98) EW(-227.02) TEMP(0.0)

#85 MD(7113.00) Inc(76.0) Azm(270.0) TVD(6838.09)
VS(296.03) NS(-385.06) EW(-273.10) TEMP(0.0)

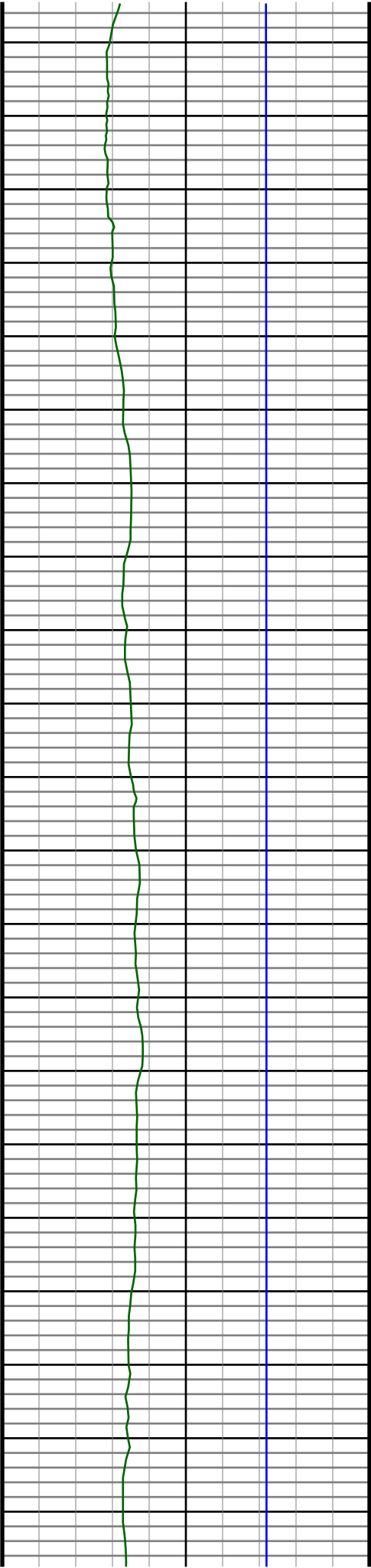
#86 MD(7160.00) Inc(80.1) Azm(270.2) TVD(6847.82)
VS(341.91) NS(-384.98) EW(-319.07) TEMP(0.0)



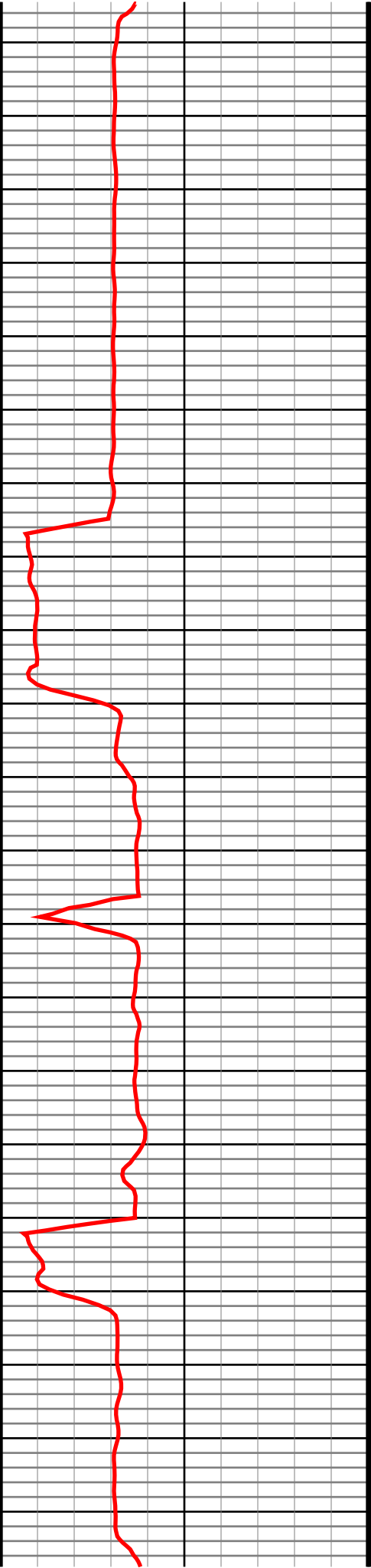
#87 MD(7208.00) Inc(83.6) Azm(269.8) TVD(6854.63)
VS(389.33) NS(-384.98) EW(-366.58) TEMP(0.0)

#88 MD(7250.00) Inc(87.5) Azm(269.0) TVD(6857.89)
VS(431.14) NS(-385.42) EW(-408.44) TEMP(0.0)

#89 MD(7338.00) Inc(89.4) Azm(268.8) TVD(6860.27)
VS(519.03) NS(-387.10) EW(-496.39) TEMP(0.0)



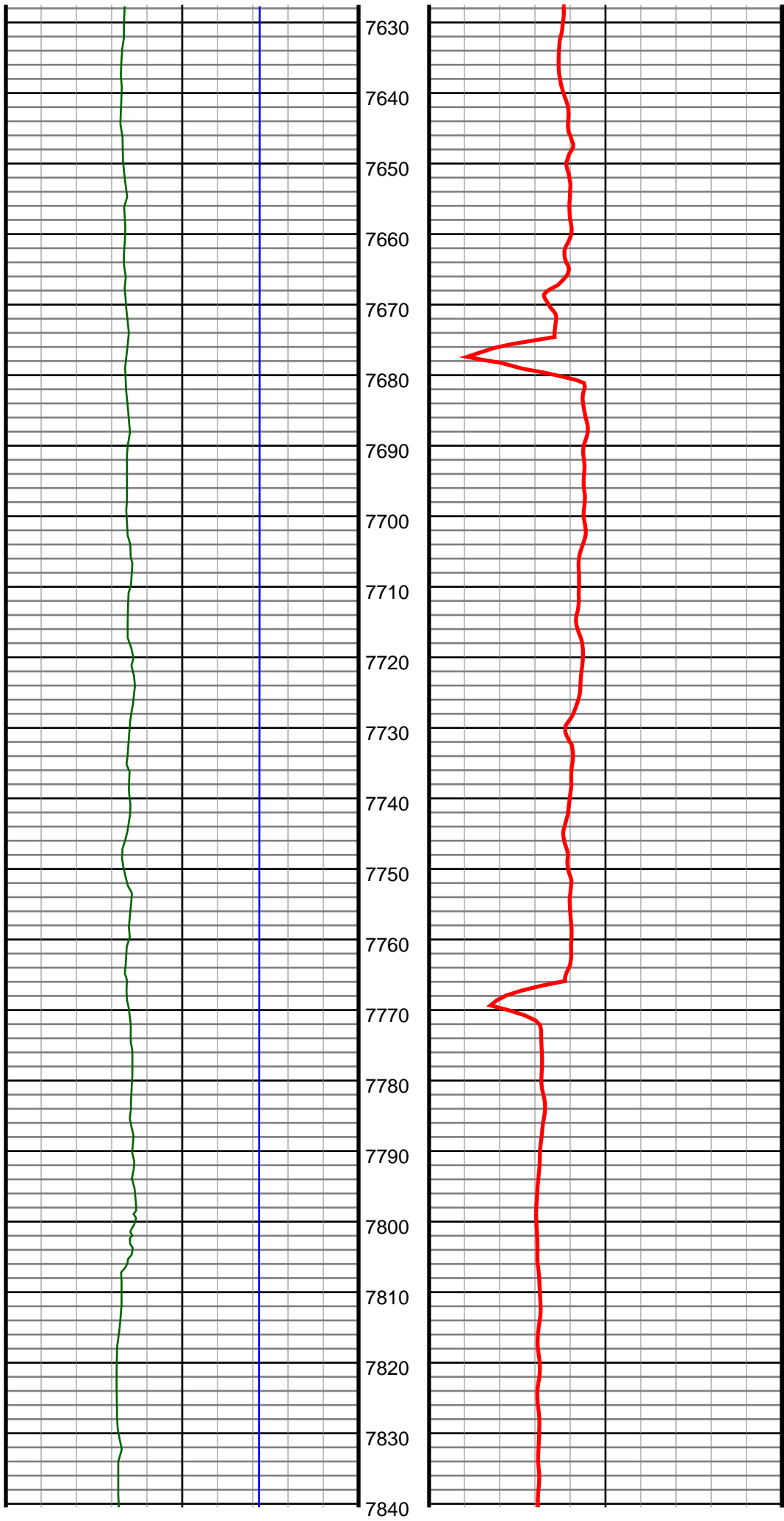
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#90 MD(7432.00) Inc(88.4) Azm(266.1) TVD(6862.07)
VS(612.99) NS(-391.28) EW(-590.27) TEMP(0.0)

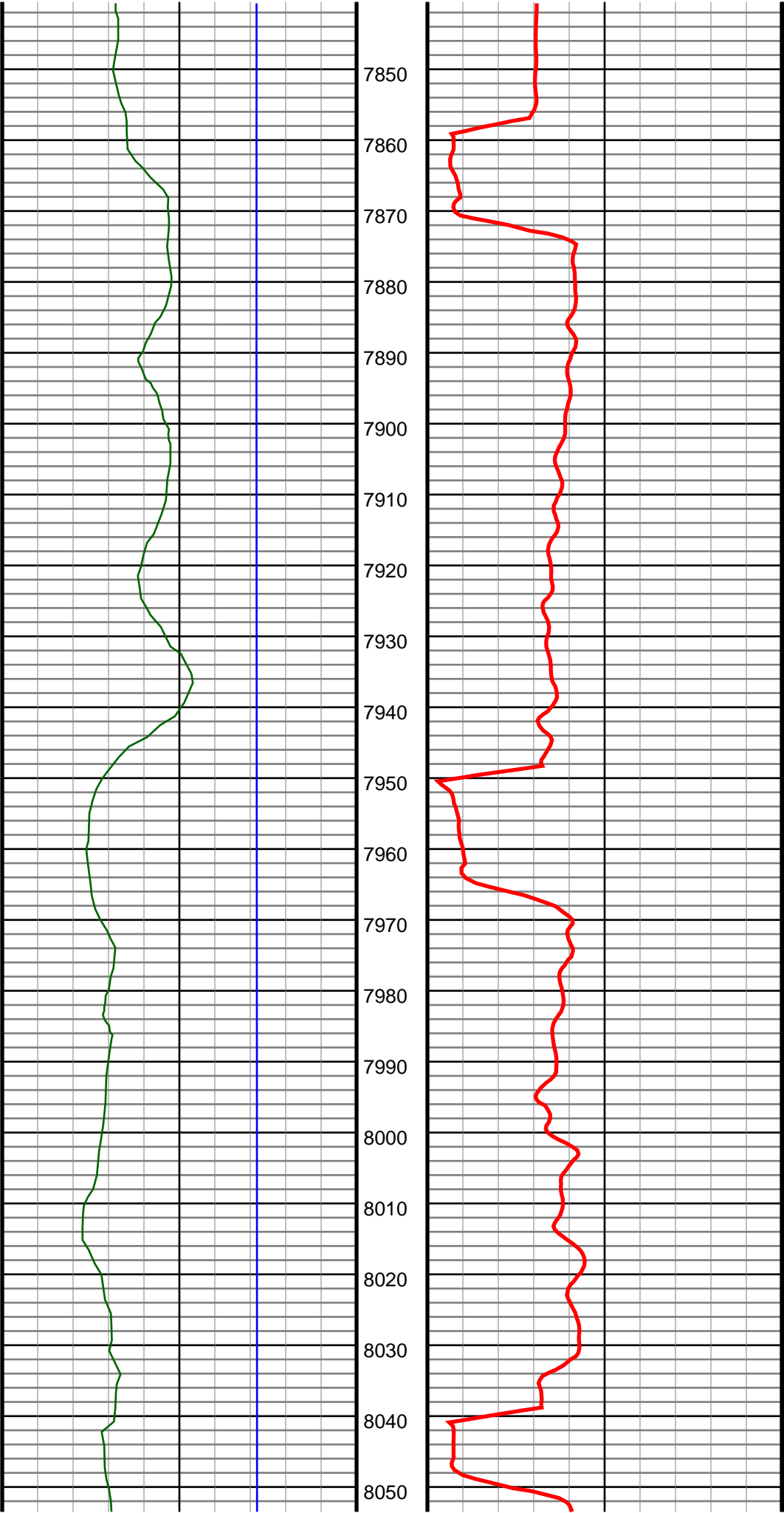
#91 MD(7526.00) Inc(90.1) Azm(269.5) TVD(6863.30)
VS(706.94) NS(-394.89) EW(-684.17) TEMP(0.0)

#92 MD(7620.00) Inc(89.7) Azm(271.1) TVD(6863.46)
VS(800.73) NS(-394.40) EW(-778.17) TEMP(0.0)



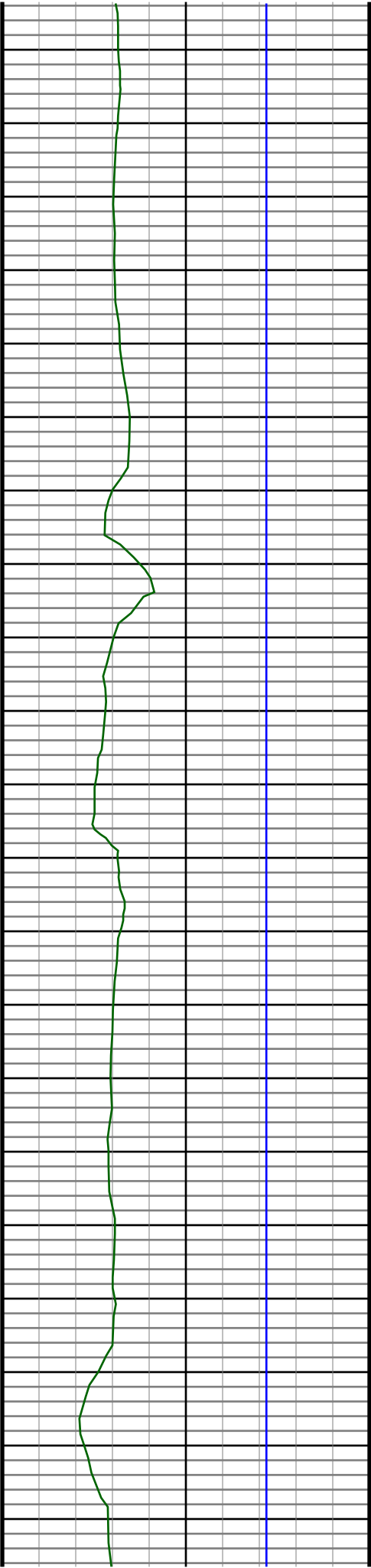
#93 MD(7712.00) Inc(90.8) Azm(269.8) TVD(6863.06)
VS(892.51) NS(-393.68) EW(-870.16) TEMP(0.0)

#94 MD(7804.00) Inc(91.1) Azm(268.9) TVD(6861.54)
VS(984.39) NS(-394.72) EW(-962.14) TEMP(0.0)

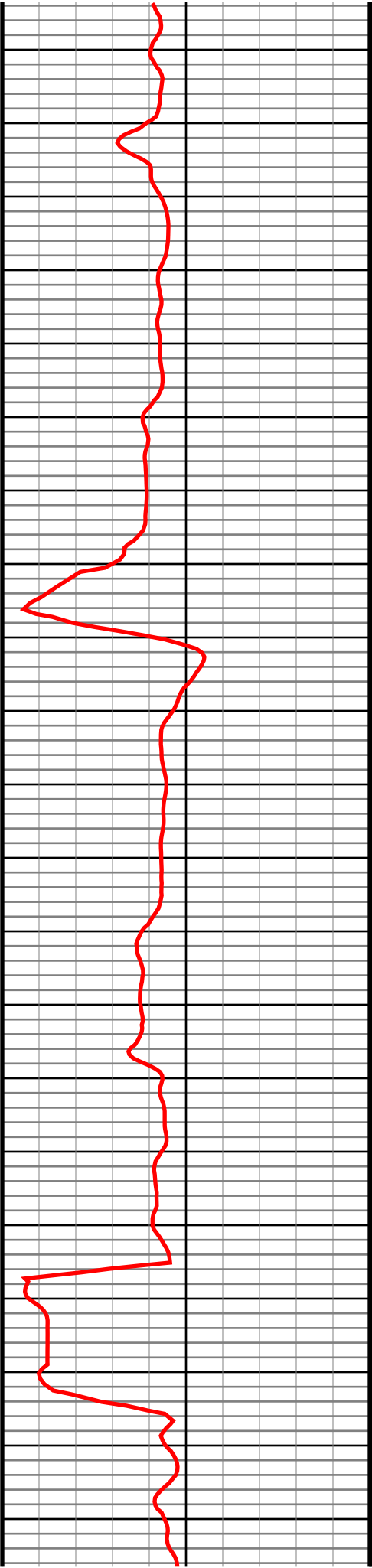


#95 MD(7896.00) Inc(89.5) Azm(269.3) TVD(6861.06)
VS(1076.29) NS(-396.17) EW(-1054.13) TEMP(0.0)

#96 MD(7987.00) Inc(88.7) Azm(271.1) TVD(6862.49)
VS(1167.08) NS(-395.85) EW(-1145.11) TEMP(0.0)



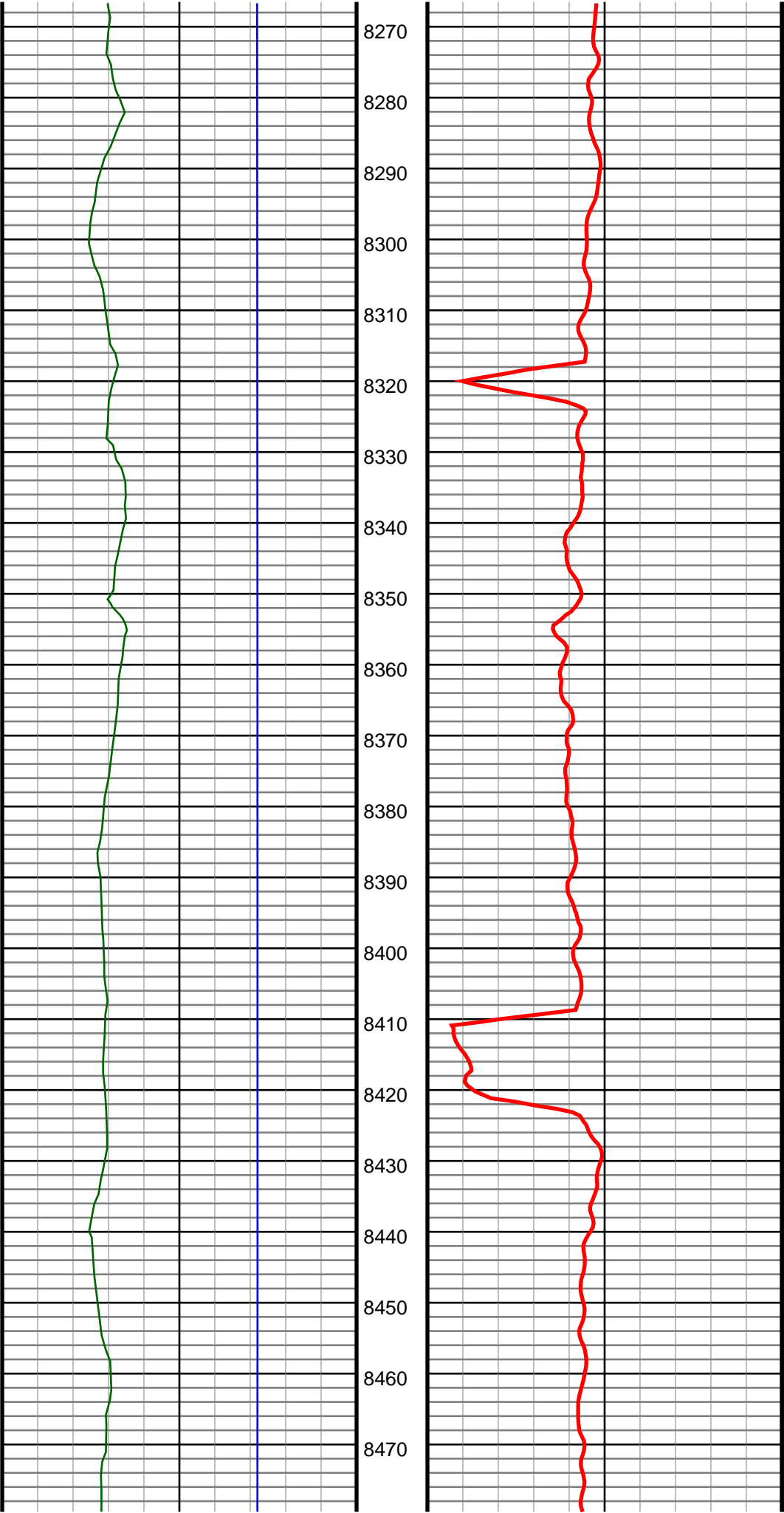
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#97 MD(8079.00) Inc(90.4) Azm(269.1) TVD(6863.21)
VS(1258.89) NS(-395.69) EW(-1237.10) TEMP(0.0)

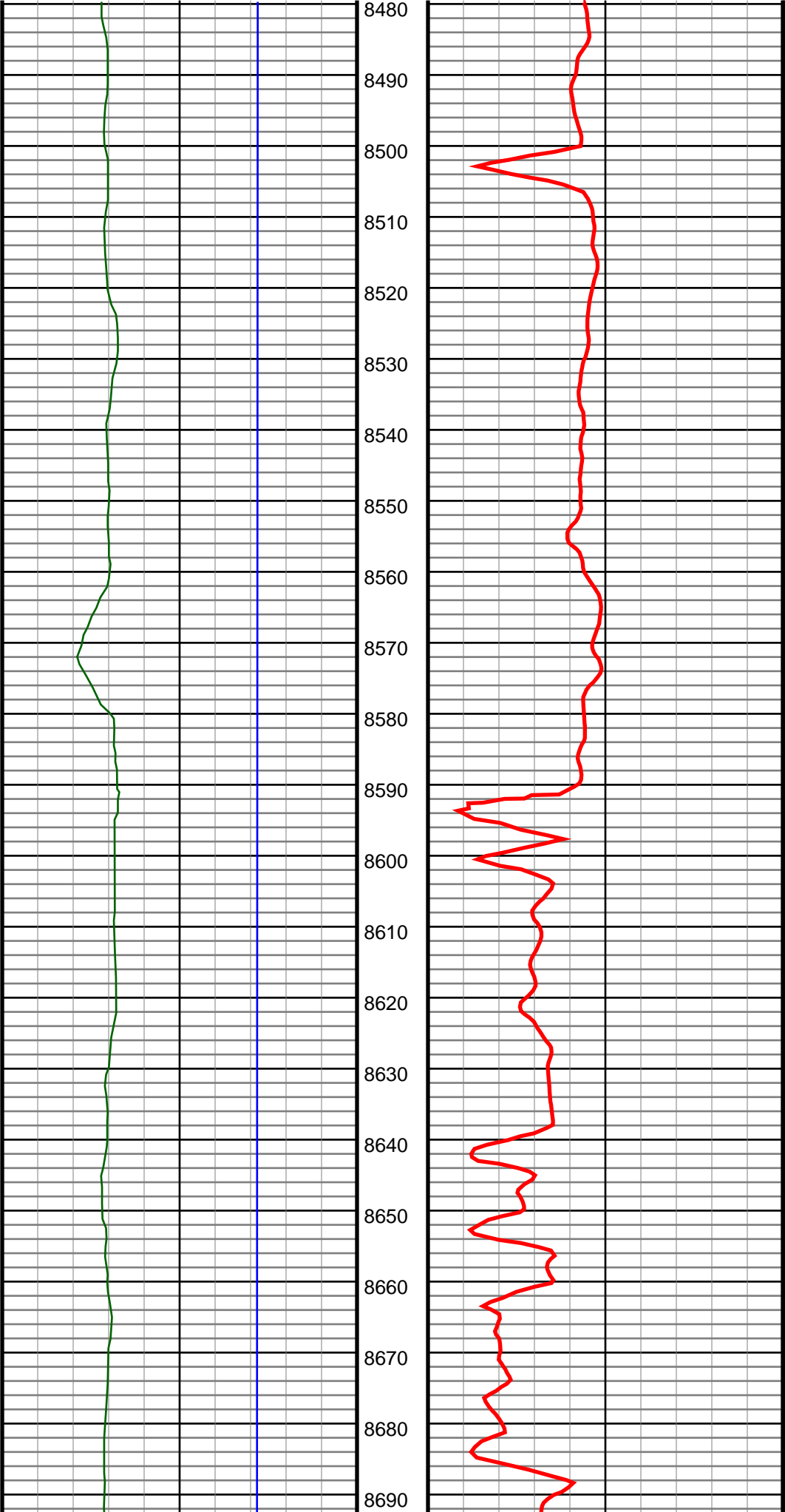
#98 MD(8171.00) Inc(90.0) Azm(268.2) TVD(6862.89)
VS(1350.83) NS(-397.85) EW(-1329.07) TEMP(0.0)

#99 MD(8263.00) Inc(89.6) Azm(270.7) TVD(6863.21)
VS(1442.70) NS(-398.74) EW(-1421.06) TEMP(0.0)



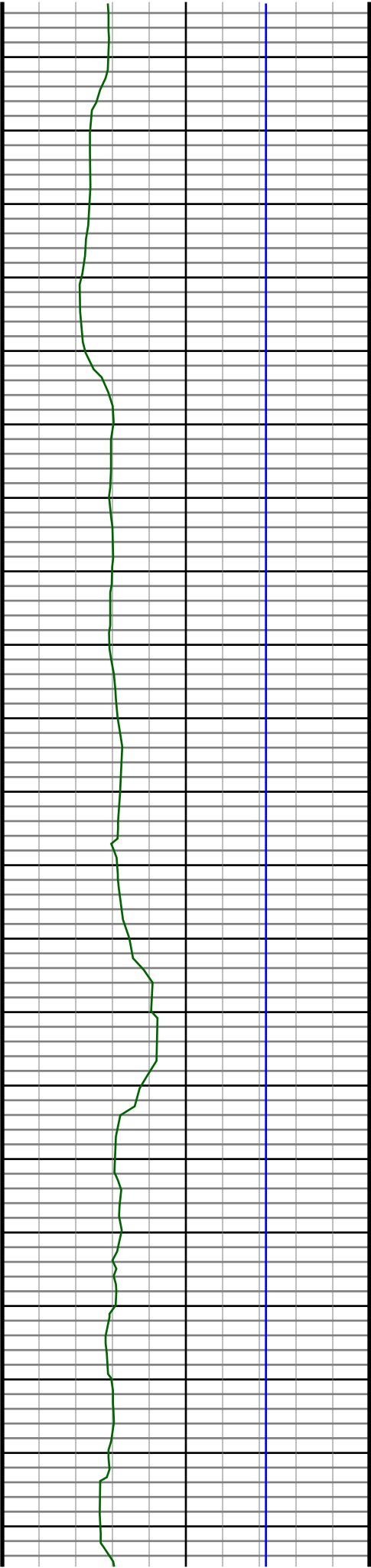
#100 MD(8354.00) Inc(88.9) Azm(270.3) TVD(6864.40)
VS(1533.47) NS(-397.94) EW(-1512.05) TEMP(0.0)

#101 MD(8444.00) Inc(90.7) Azm(270.7) TVD(6864.71)
VS(1623.24) NS(-397.16) EW(-1602.04) TEMP(0.0)

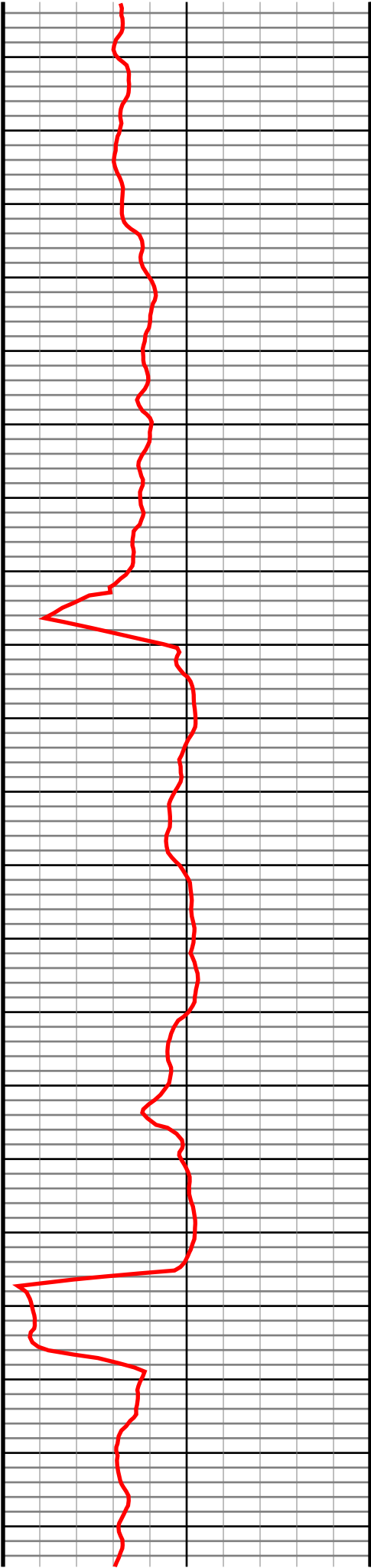


#102 MD(8535.00) Inc(90.9) Azm(270.9) TVD(6863.44)
VS(1713.98) NS(-395.89) EW(-1693.02) TEMP(0.0)

#103 MD(8627.00) Inc(90.7) Azm(270.3) TVD(6862.16)
VS(1805.74) NS(-394.92) EW(-1785.01) TEMP(0.0)



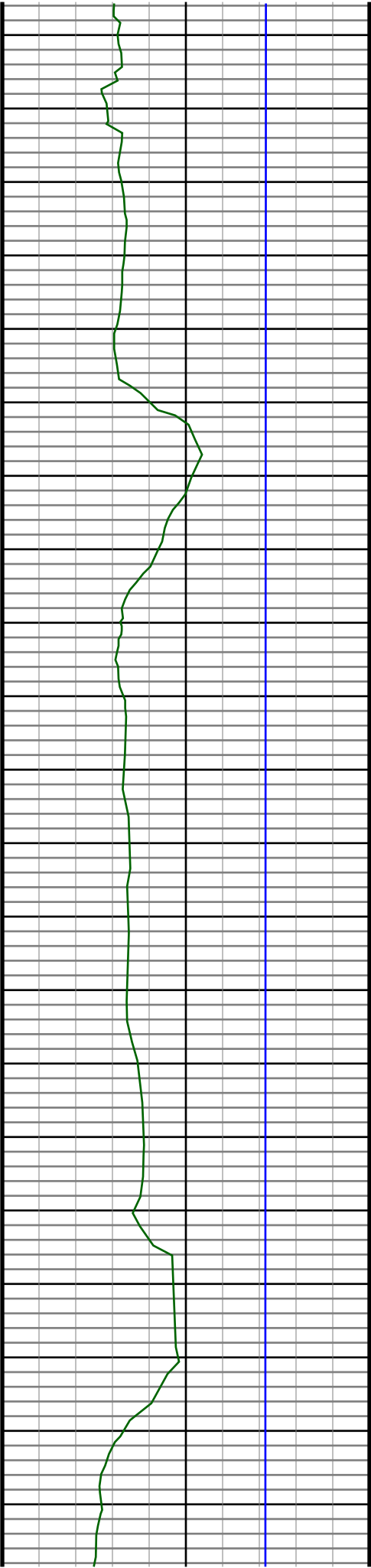
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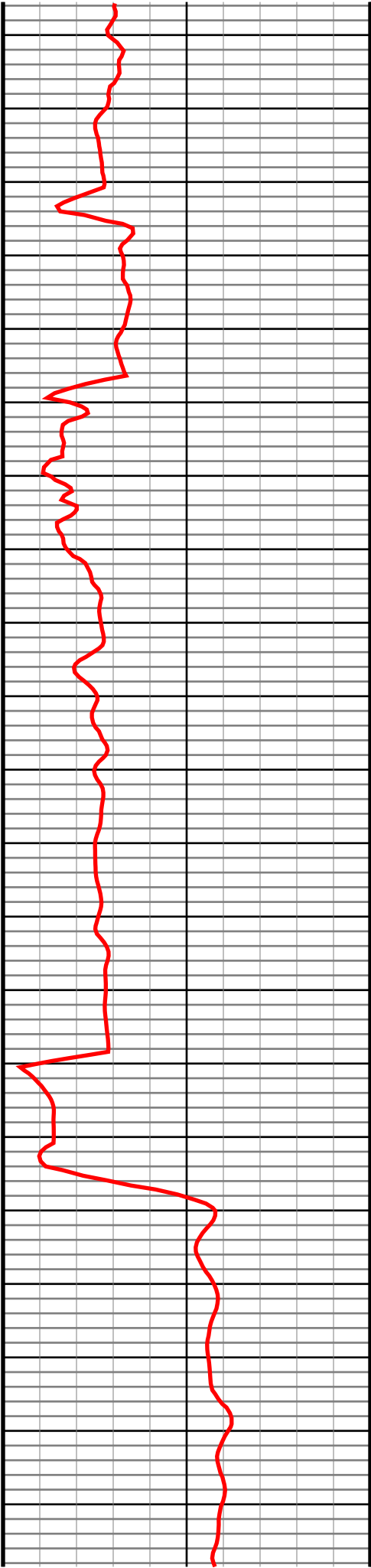
#104 MD(8719.00) Inc(90.0) Azm(269.8) TVD(6861.60)
VS(1897.56) NS(-394.84) EW(-1877.00) TEMP(0.0)

#105 MD(8811.00) Inc(89.8) Azm(269.6) TVD(6861.76)
VS(1989.42) NS(-395.33) EW(-1969.00) TEMP(0.0)

#106 MD(8903.00) Inc(90.4) Azm(268.8) TVD(6861.60)
VS(2081.31) NS(-396.61) EW(-2060.99) TEMP(0.0)

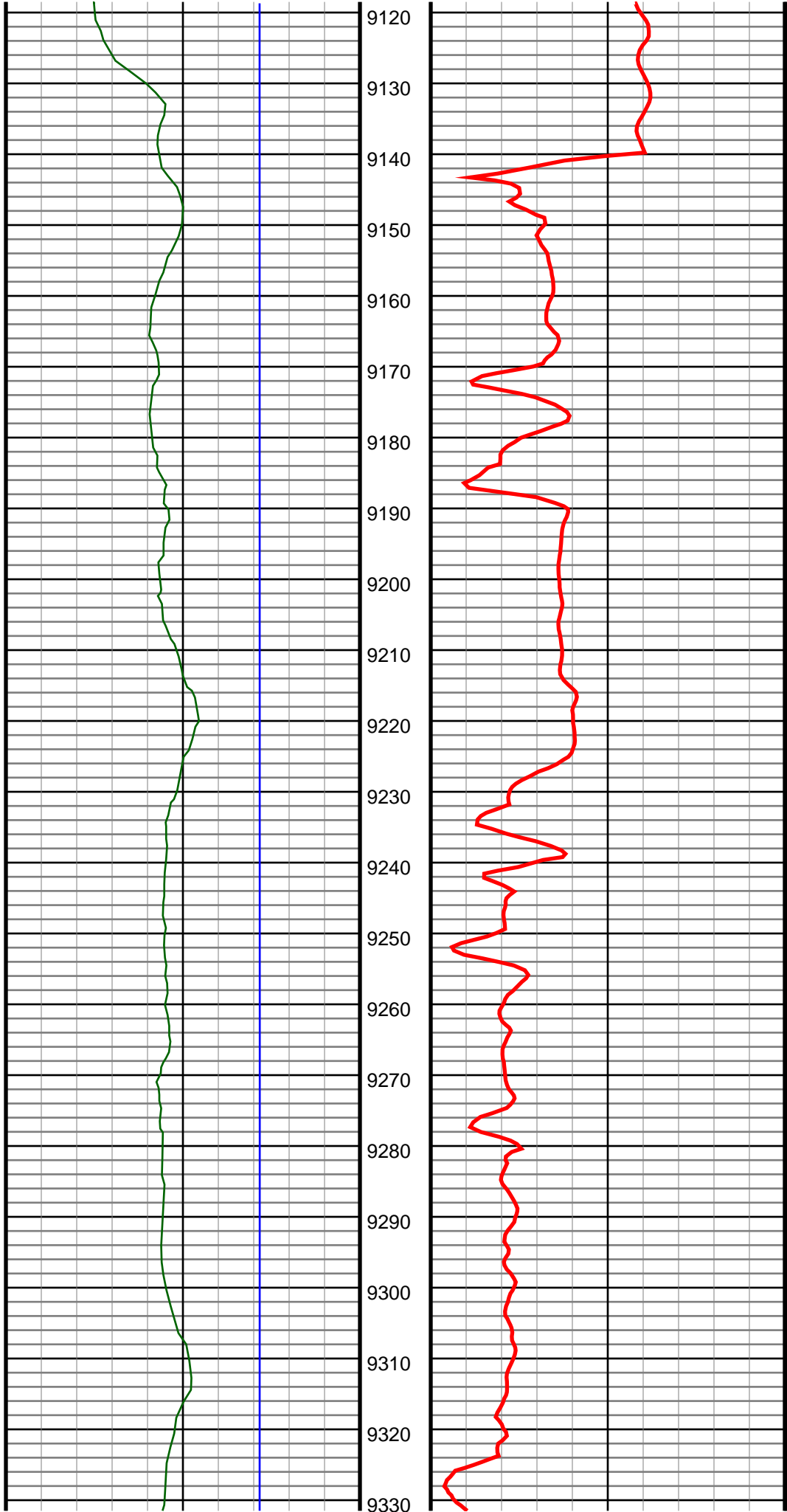


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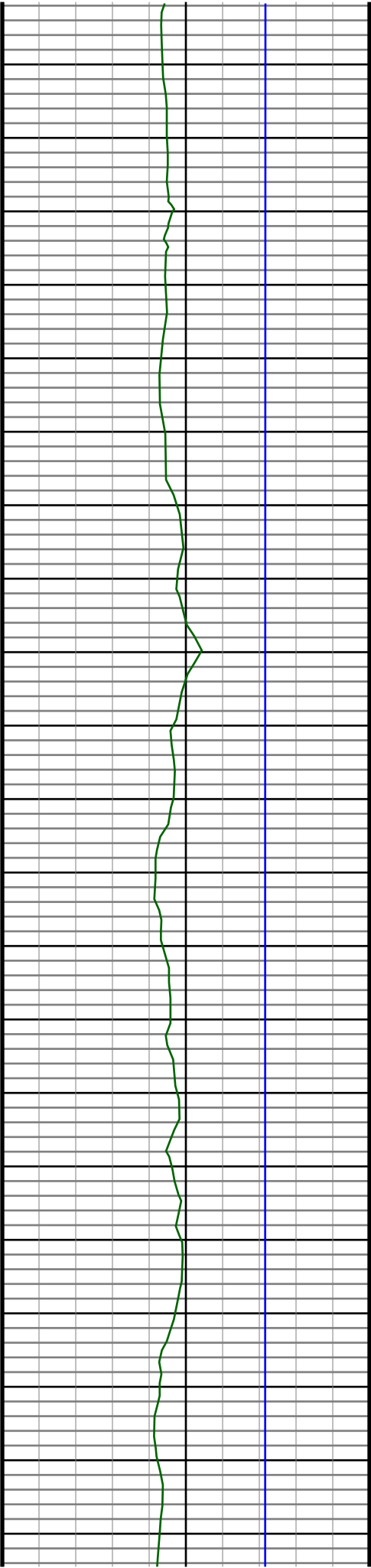
#107 MD(8994.00) Inc(90.9) Azm(268.4) TVD(6860.56)
VS(2172.25) NS(-398.83) EW(-2151.96) TEMP(0.0)

#108 MD(9085.00) Inc(90.1) Azm(270.0) TVD(6859.77)
VS(2263.14) NS(-400.10) EW(-2242.94) TEMP(0.0)

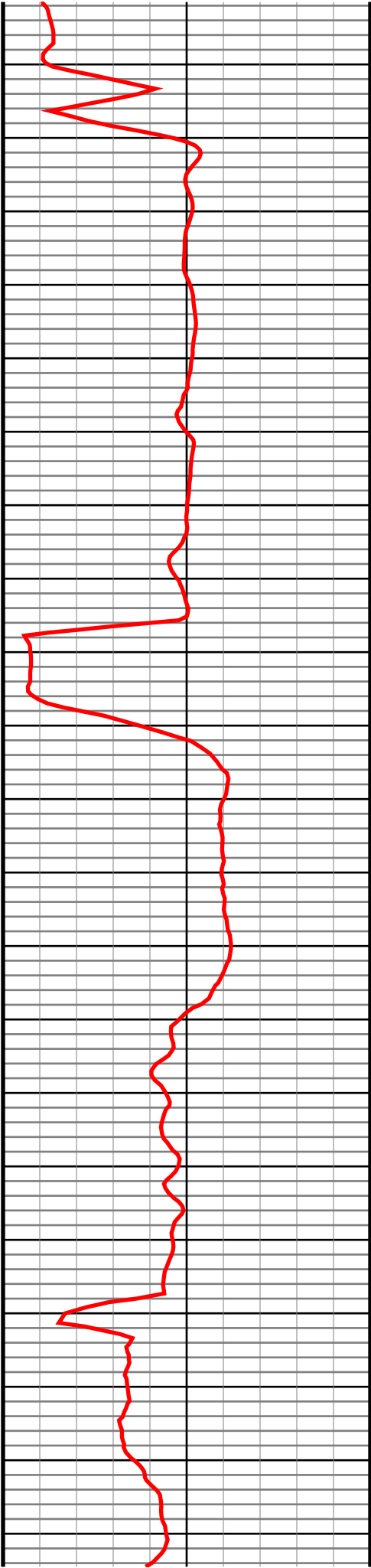


#109 MD(9177.00) Inc(89.5) Azm(269.5) TVD(6860.09)
VS(2354.99) NS(-400.51) EW(-2334.94) TEMP(0.0)

#110 MD(9268.00) Inc(90.0) Azm(269.1) TVD(6860.49)
VS(2445.88) NS(-401.62) EW(-2425.93) TEMP(0.0)



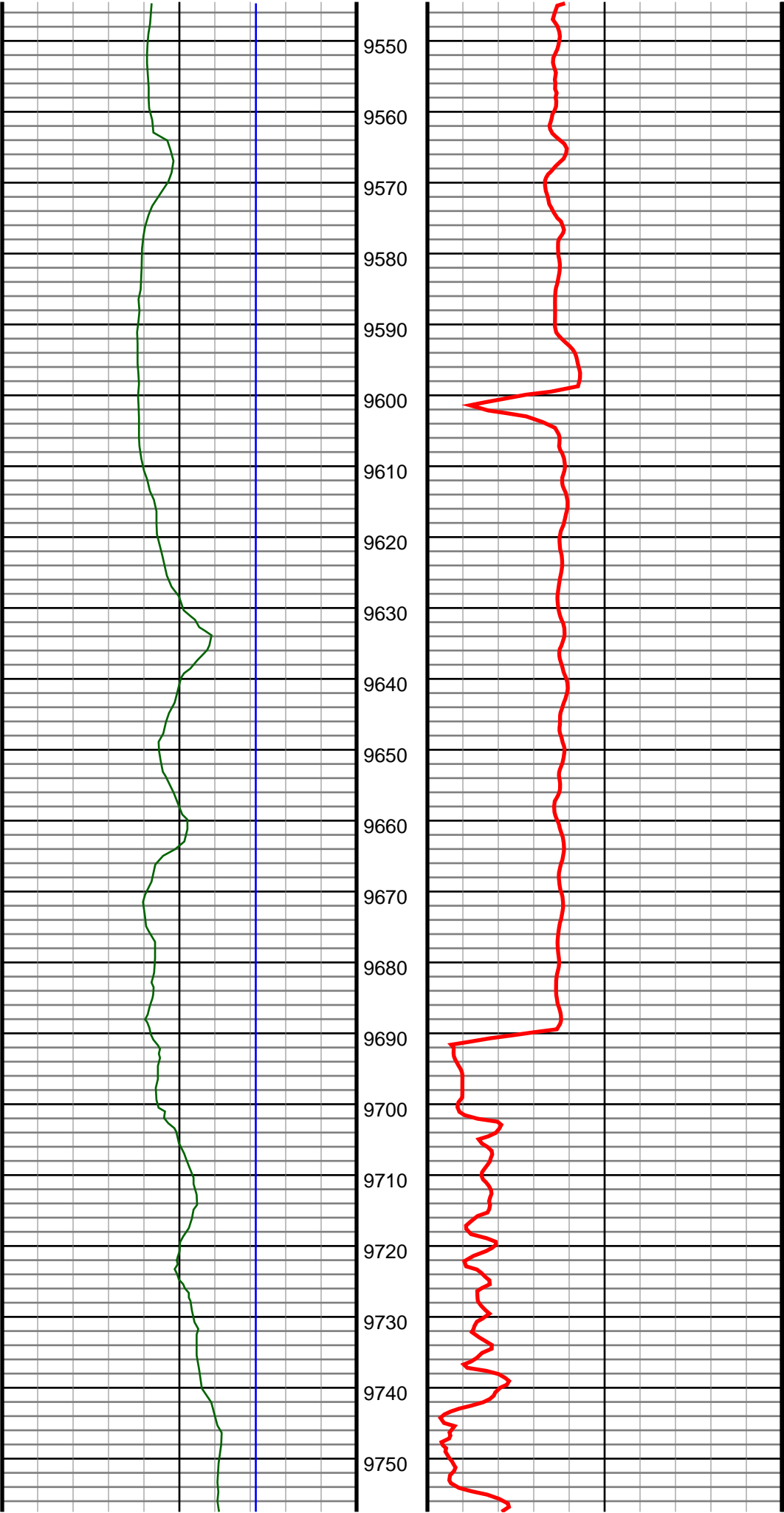
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#111 MD(9360.00) Inc(90.9) Azm(272.3) TVD(6859.77)
VS(2537.62) NS(-400.49) EW(-2517.91) TEMP(0.0)

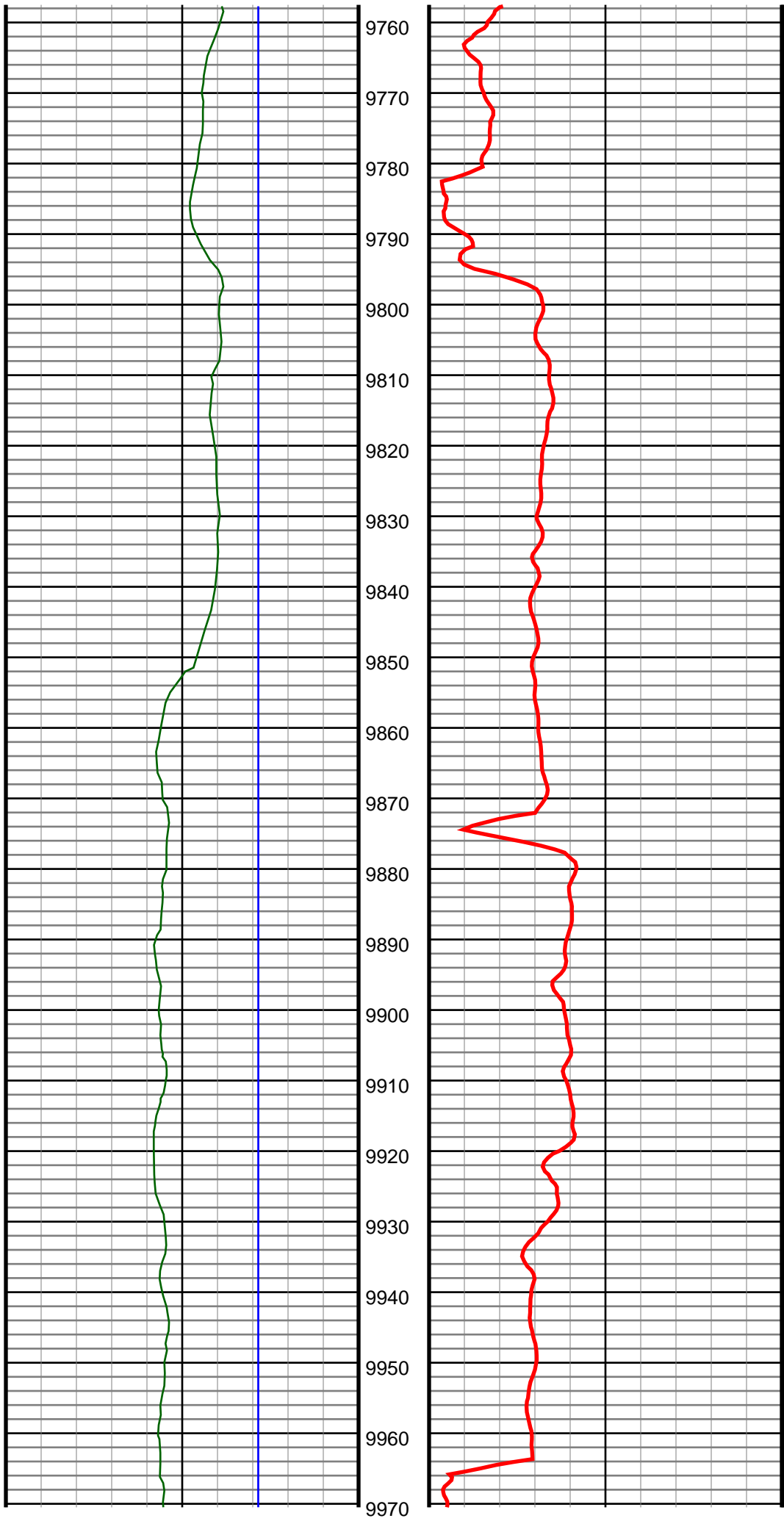
#112 MD(9452.00) Inc(89.9) Azm(269.6) TVD(6859.12)
VS(2629.33) NS(-398.97) EW(-2609.89) TEMP(0.0)

#113 MD(9543.00) Inc(90.0) Azm(269.6) TVD(6859.20)
VS(2720.20) NS(-399.60) EW(-2700.88) TEMP(0.0)



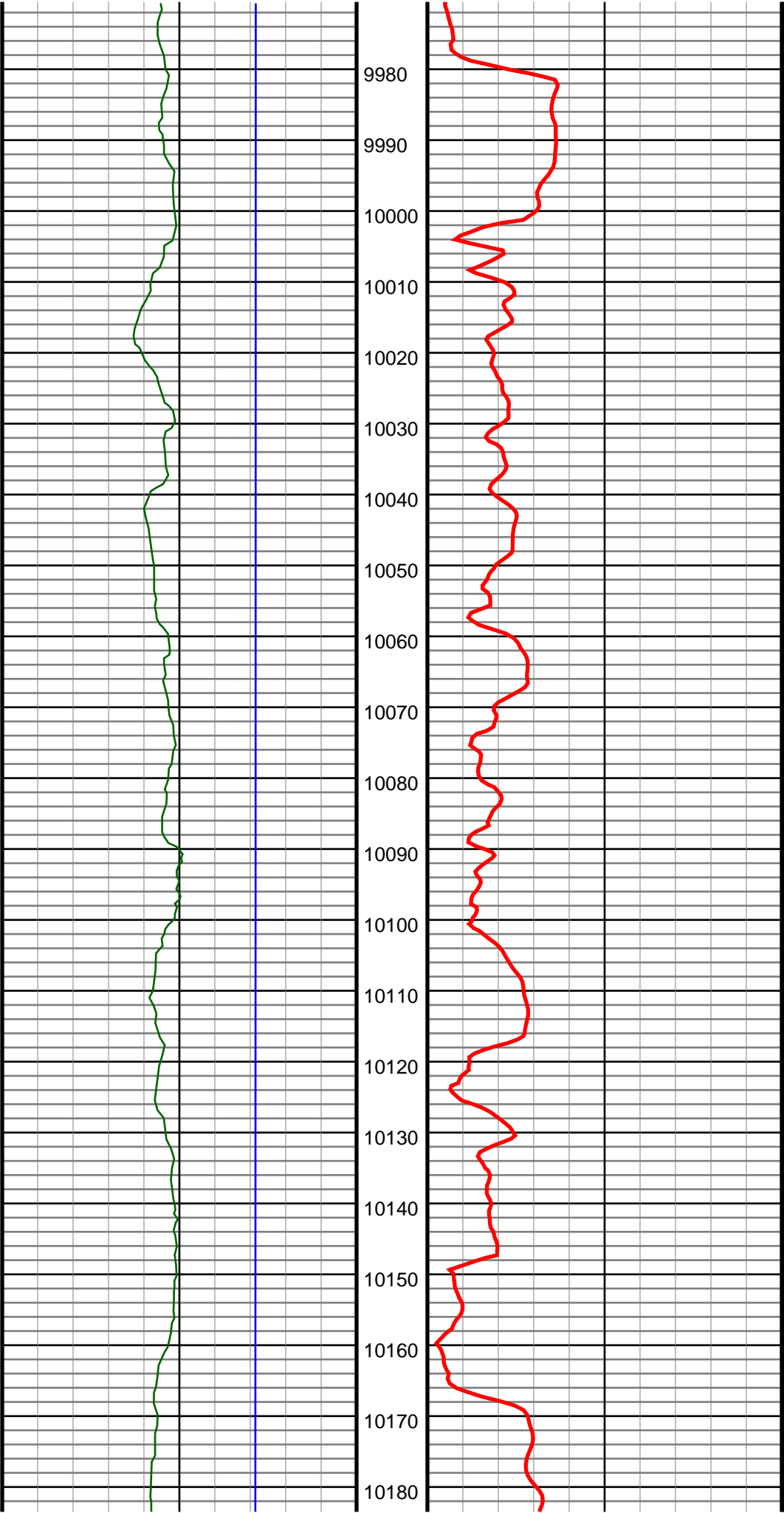
#114 MD(9636.00) Inc(90.7) Azm(269.1) TVD(6858.63)
VS(2813.08) NS(-400.66) EW(-2793.87) TEMP(0.0)

#115 MD(9727.00) Inc(89.2) Azm(270.2) TVD(6858.71)
VS(2903.94) NS(-401.21) EW(-2884.87) TEMP(0.0)



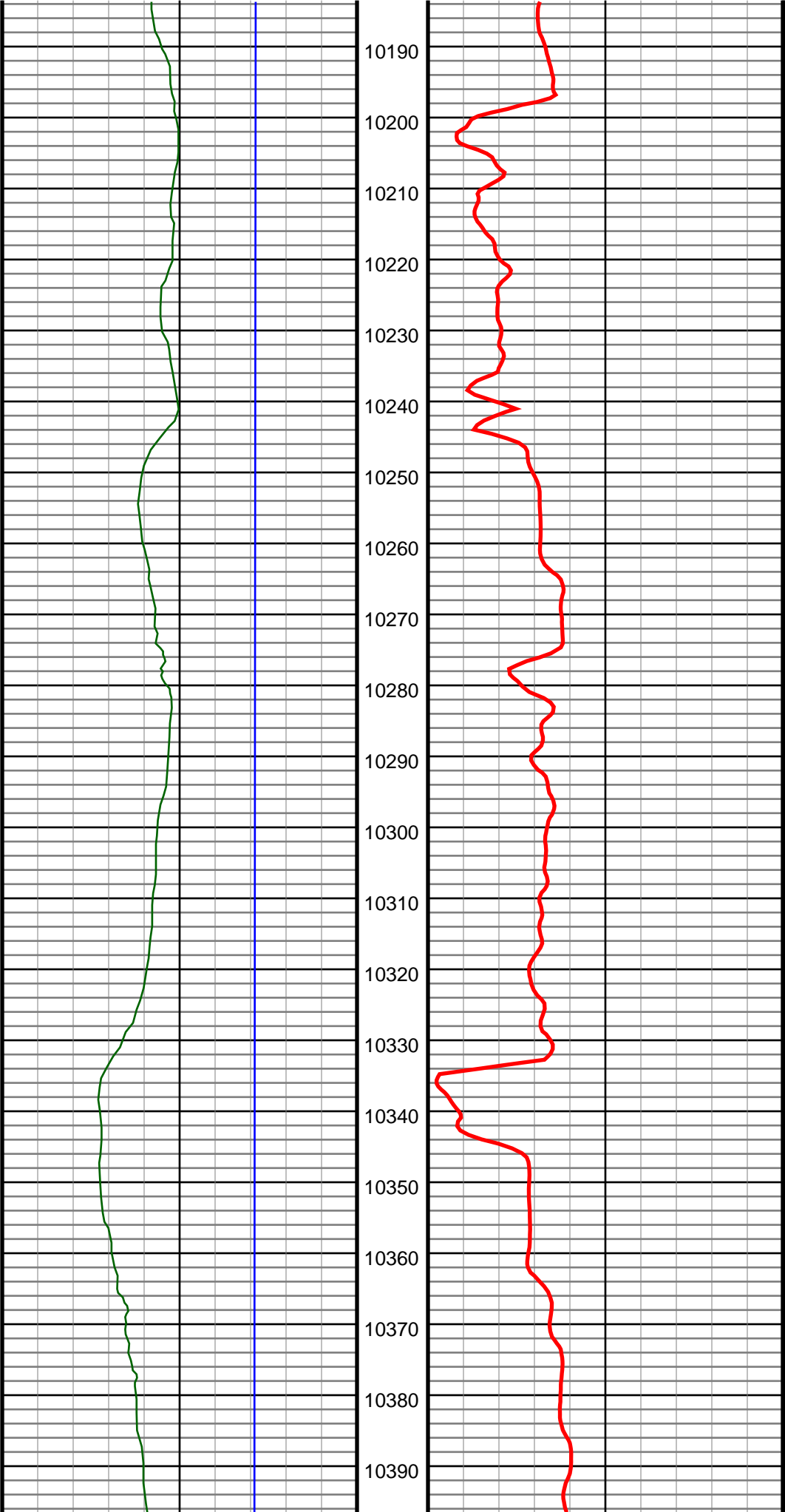
#116 MD(9819.00) Inc(90.4) Azm(269.6) TVD(6859.04)
VS(2995.78) NS(-401.38) EW(-2976.87) TEMP(0.0)

#117 MD(9911.00) Inc(89.8) Azm(269.1) TVD(6858.87)
VS(3087.66) NS(-402.42) EW(-3068.86) TEMP(0.0)



#118 MD(10003.00) Inc(90.7) Azm(270.0) TVD(6858.47)
VS(3179.53) NS(-403.14) EW(-3160.85) TEMP(0.0)

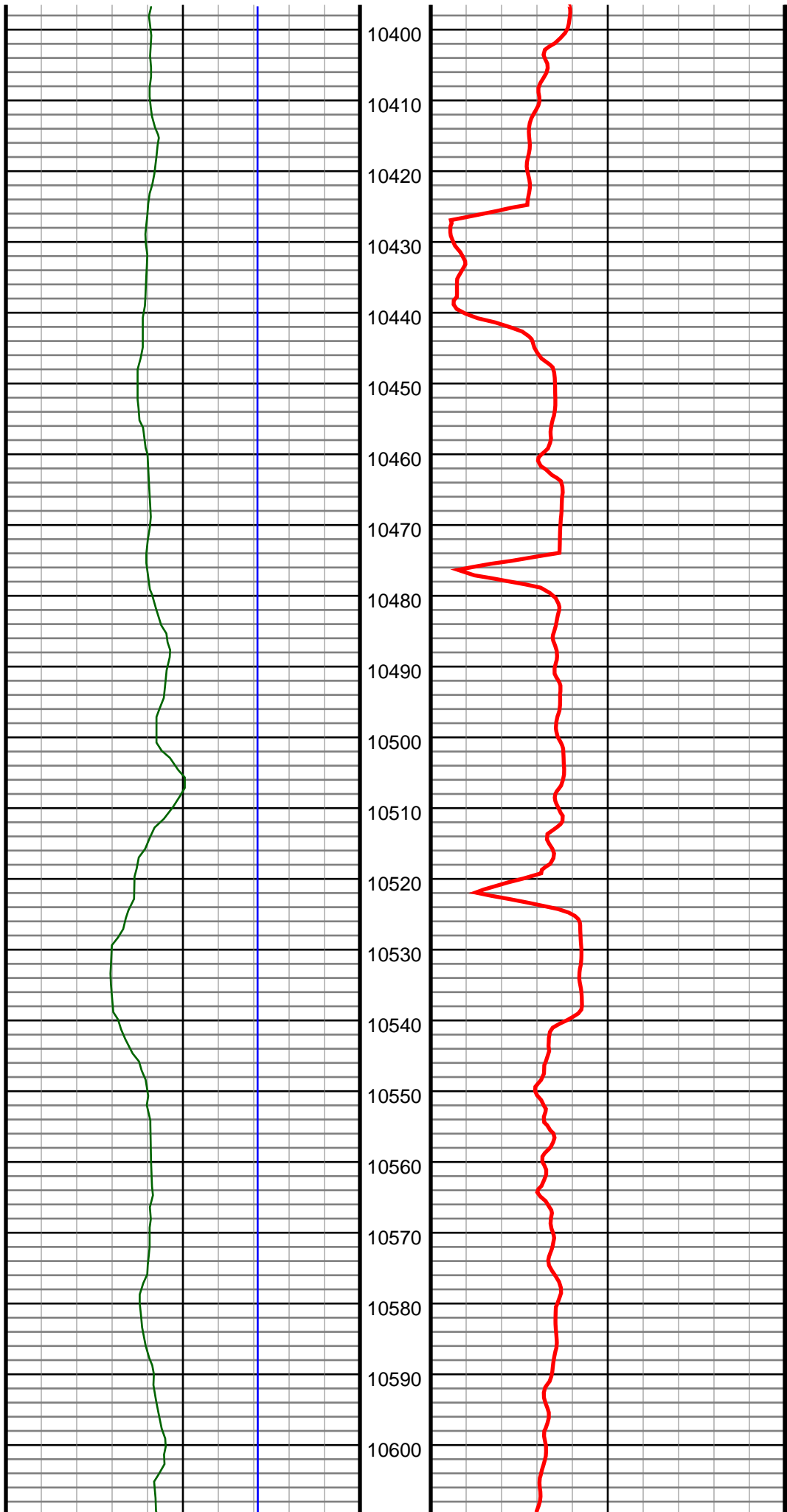
#119 MD(10095.00) Inc(89.8) Azm(269.1) TVD(6858.07)
VS(3271.40) NS(-403.86) EW(-3252.85) TEMP(0.0)



#120 MD(10187.00) Inc(91.3) Azm(270.9) TVD(6857.19)
VS(3363.22) NS(-403.86) EW(-3344.84) TEMP(0.0)

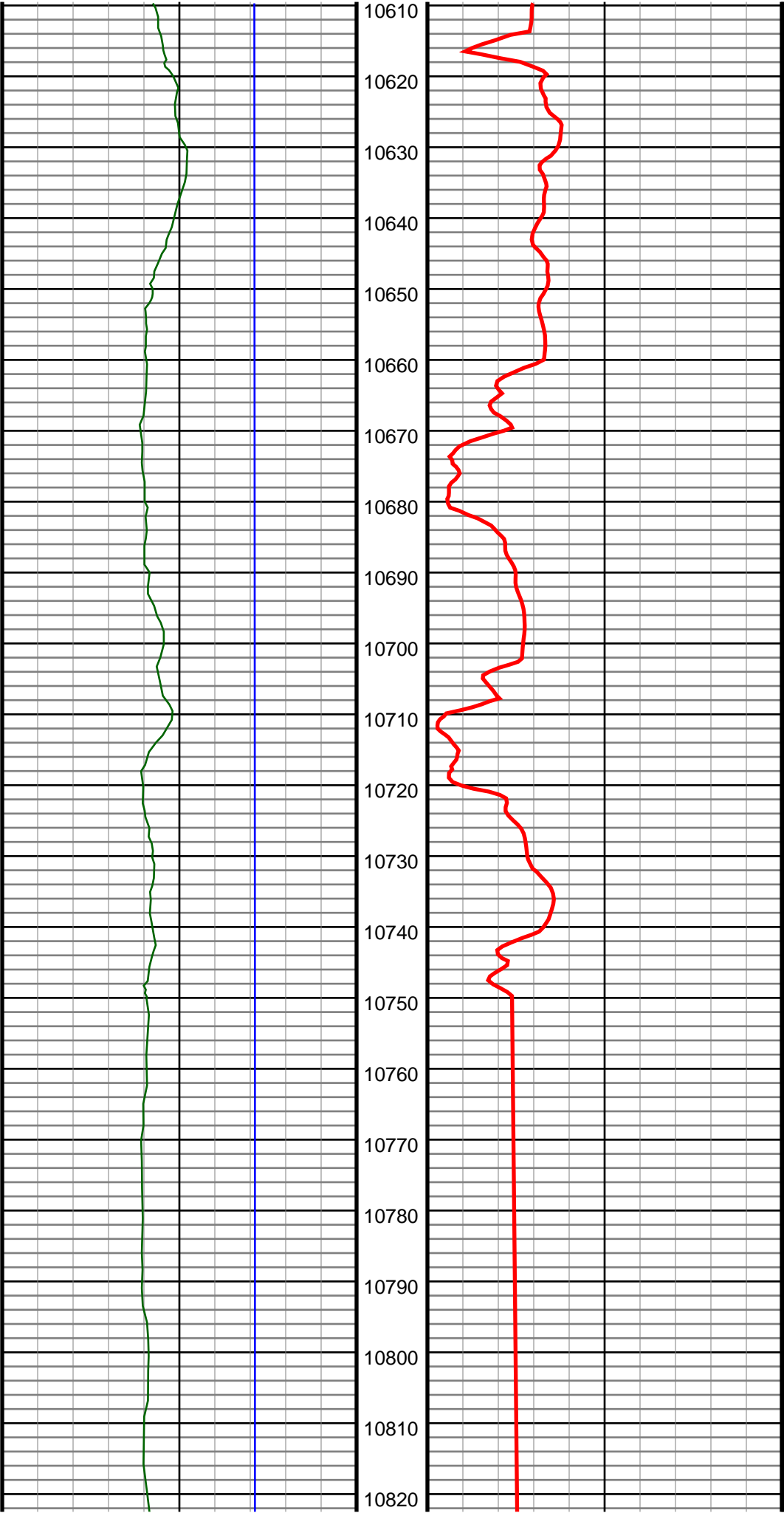
#121 MD(10279.00) Inc(91.4) Azm(270.5) TVD(6855.02)
VS(3454.95) NS(-402.74) EW(-3436.80) TEMP(0.0)

#122 MD(10371.00) Inc(90.9) Azm(271.6) TVD(6853.17)
VS(3546.64) NS(-401.06) EW(-3528.77) TEMP(0.0)



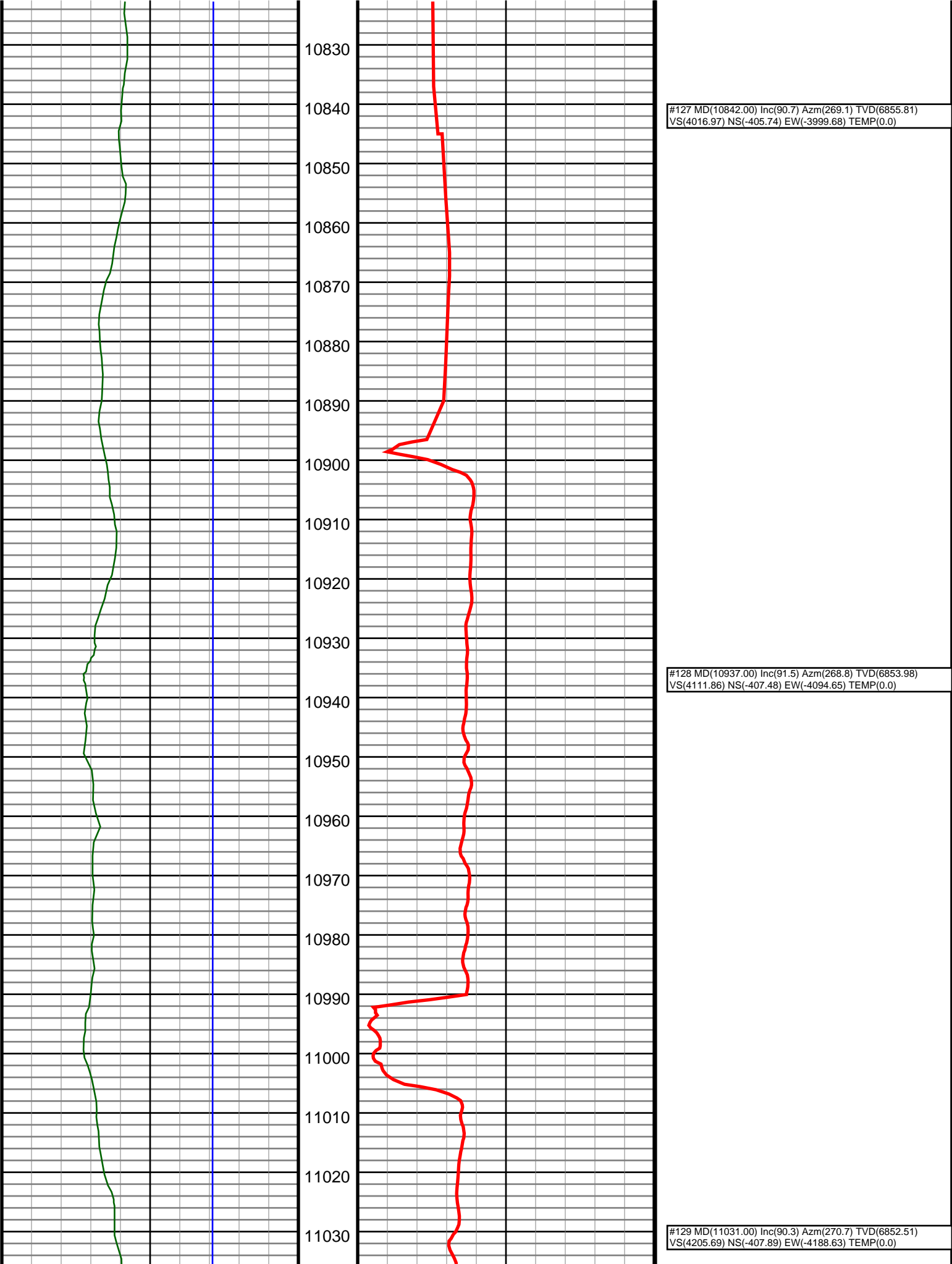
#123 MD(10465.00) Inc(89.8) Azm(269.6) TVD(6852.60)
VS(3640.39) NS(-400.07) EW(-3622.76) TEMP(0.0)

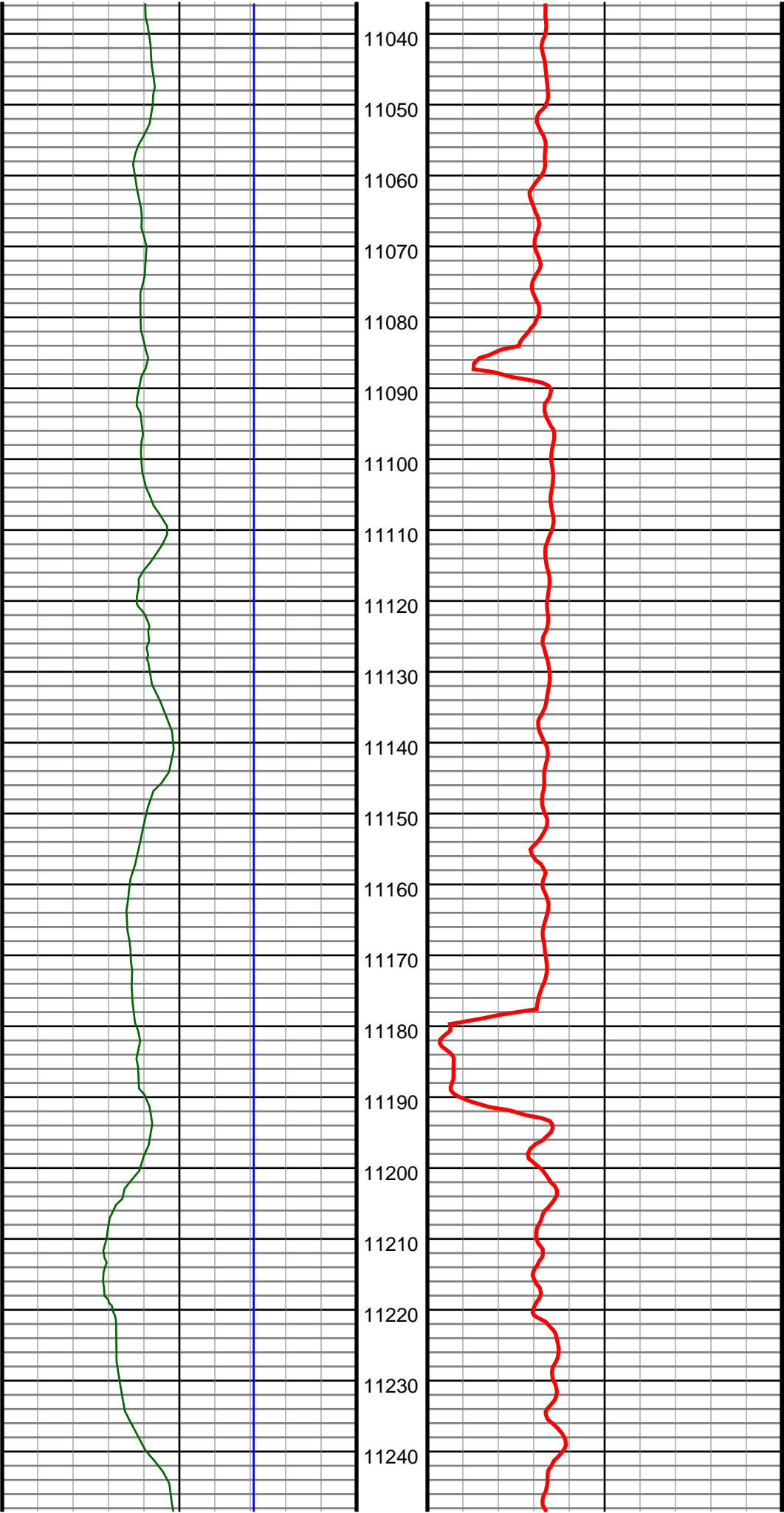
#124 MD(10560.00) Inc(89.5) Azm(269.5) TVD(6853.18)
VS(3735.26) NS(-400.82) EW(-3717.75) TEMP(0.0)



#125 MD(10654.00) Inc(89.0) Azm(269.1) TVD(6854.41)
VS(3829.14) NS(-401.97) EW(-3811.74) TEMP(0.0)

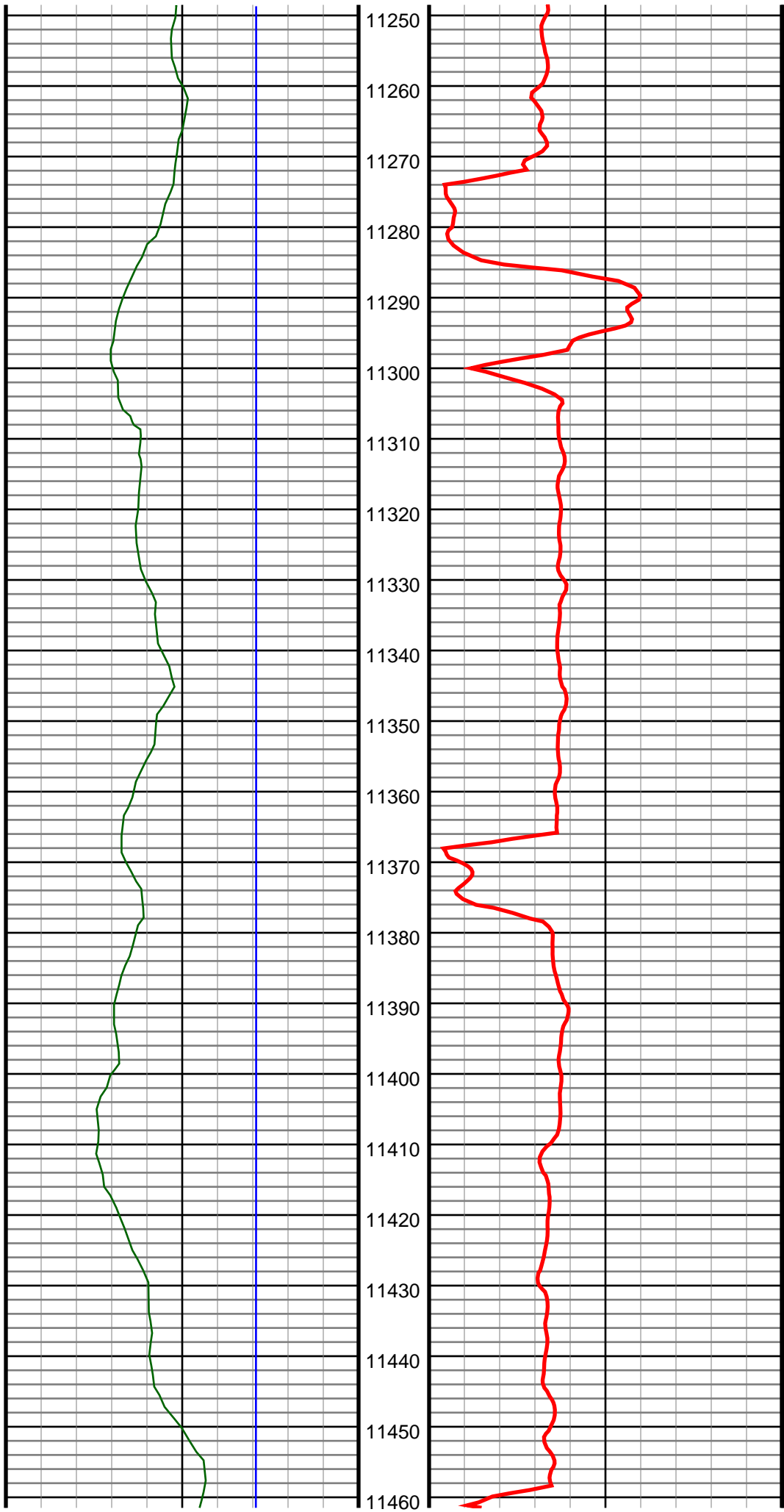
#126 MD(10748.00) Inc(89.3) Azm(268.6) TVD(6855.81)
VS(3923.05) NS(-403.85) EW(-3905.71) TEMP(0.0)





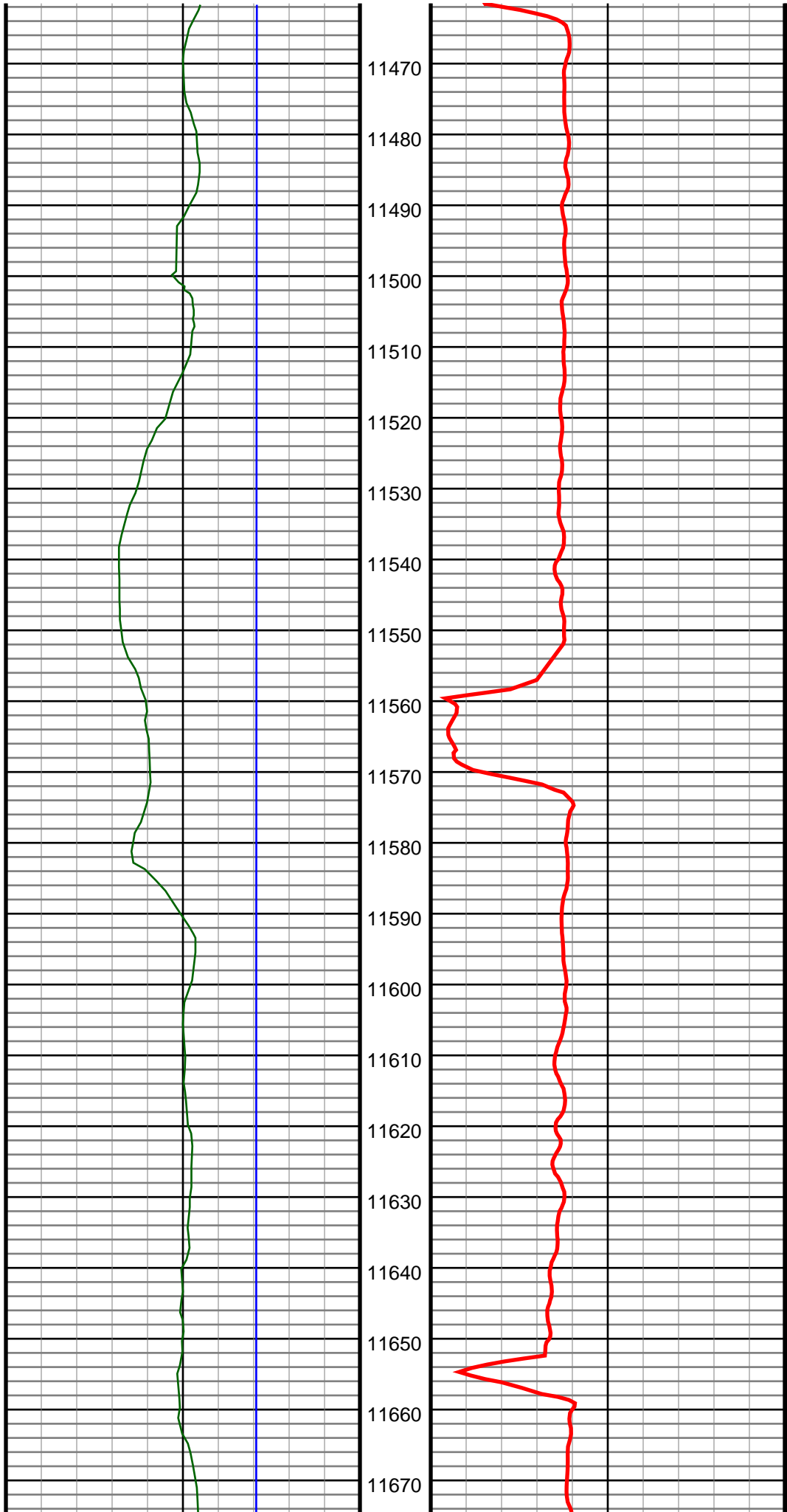
#130 MD(11125.00) Inc(90.0) Azm(271.2) TVD(6852.26)
VS(4299.41) NS(-406.33) EW(-4282.62) TEMP(0.0)

#131 MD(11220.00) Inc(90.8) Azm(268.8) TVD(6851.60)
VS(4394.22) NS(-406.33) EW(-4377.61) TEMP(0.0)



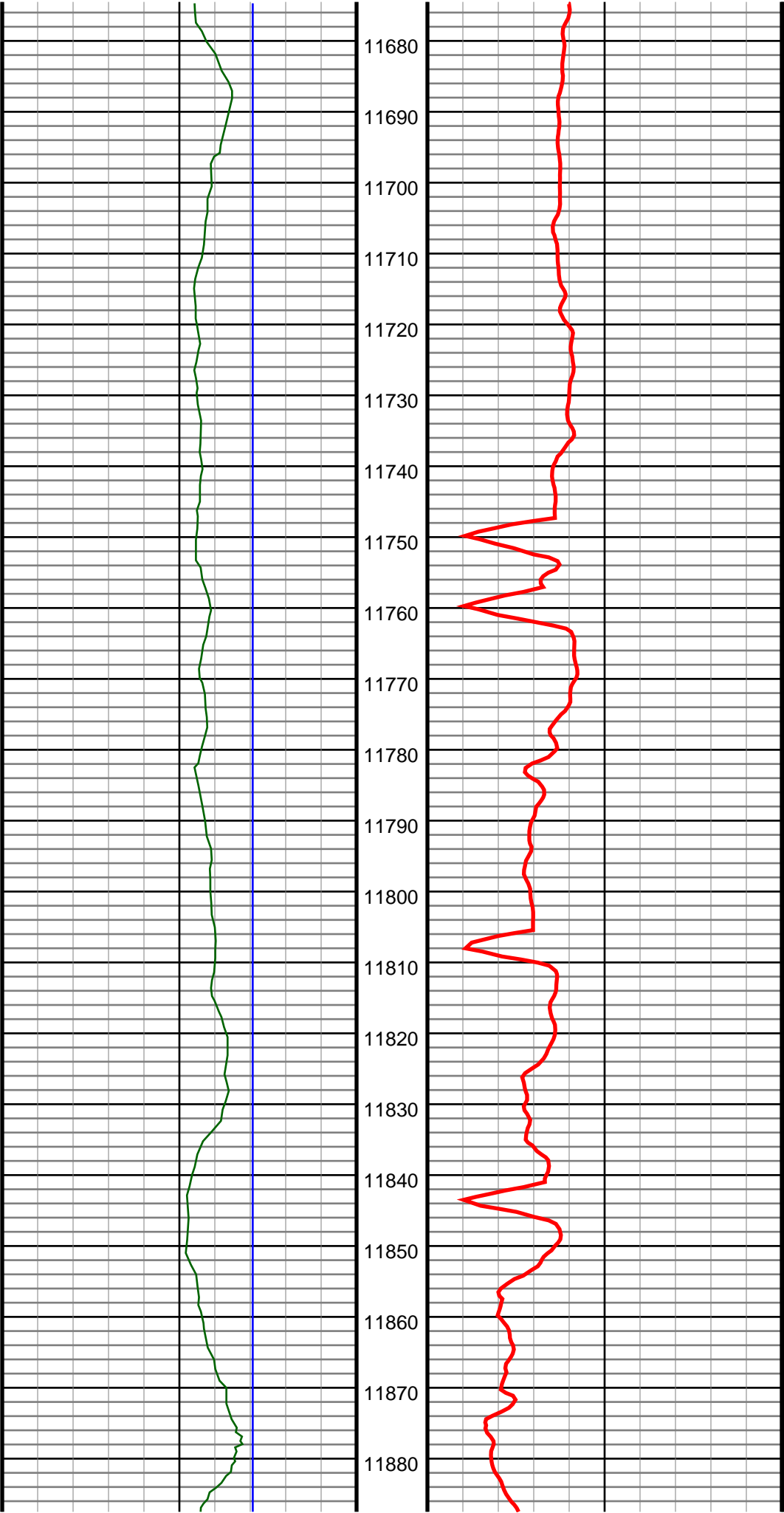
#132 MD(11314.00) Inc(89.3) Azm(267.7) TVD(6851.51)
VS(4488.18) NS(-409.20) EW(-4471.56) TEMP(0.0)

#133 MD(11409.00) Inc(90.7) Azm(268.8) TVD(6851.51)
VS(4583.13) NS(-412.10) EW(-4566.51) TEMP(0.0)



#134 MD(11503.00) Inc(91.4) Azm(269.1) TVD(6849.79)
VS(4677.03) NS(-413.82) EW(-4660.48) TEMP(0.0)

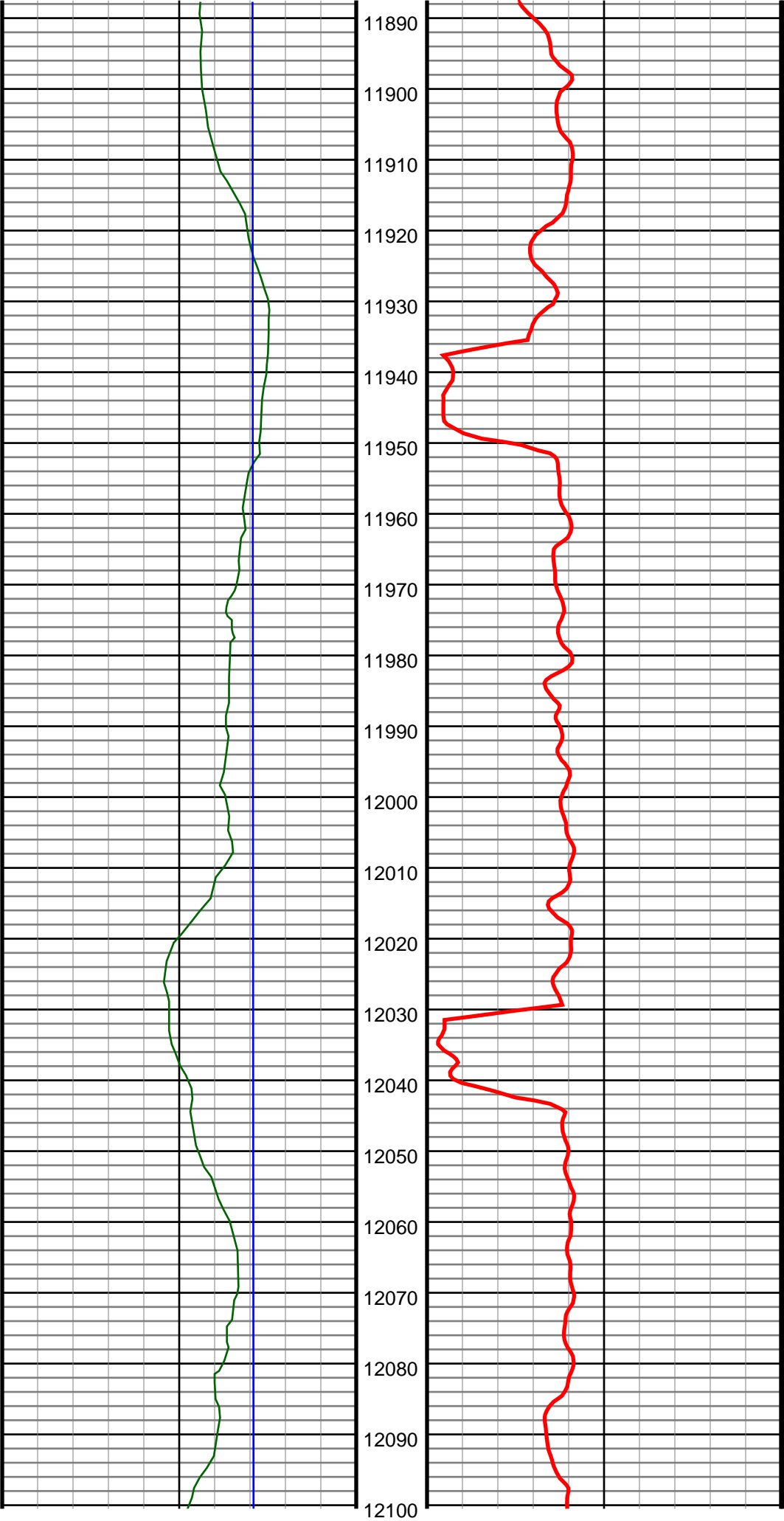
#135 MD(11597.00) Inc(90.1) Azm(268.9) TVD(6848.56)
VS(4770.93) NS(-415.46) EW(-4754.45) TEMP(0.0)



#136 MD(11691.00) Inc(90.1) Azm(268.2) TVD(6848.40)
VS(4864.87) NS(-417.84) EW(-4848.42) TEMP(0.0)

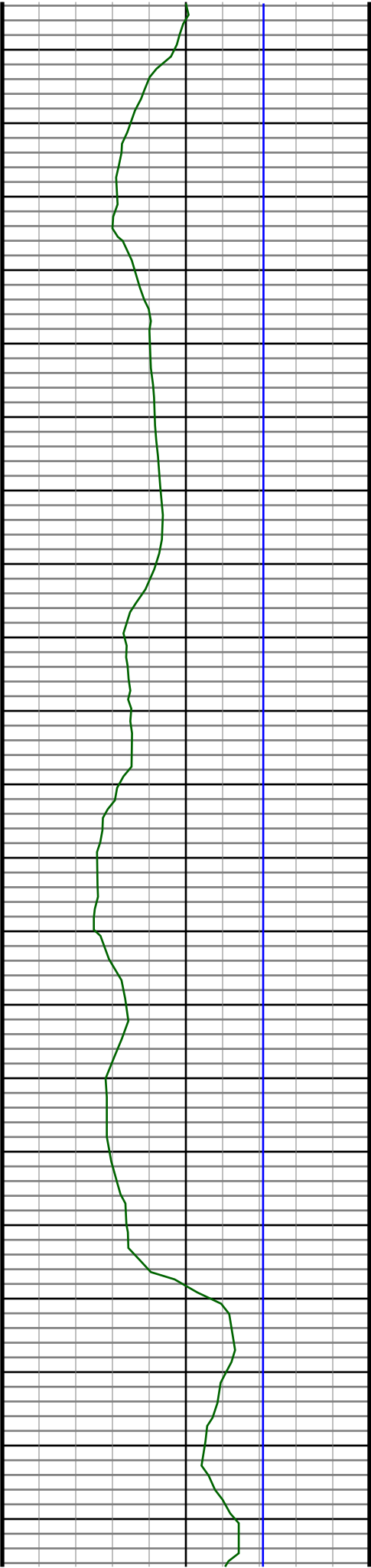
#137 MD(11786.00) Inc(90.1) Azm(268.2) TVD(6848.23)
VS(4959.83) NS(-420.83) EW(-4943.38) TEMP(0.0)

#138 MD(11879.00) Inc(89.7) Azm(267.9) TVD(6848.39)
VS(5052.79) NS(-423.99) EW(-5036.32) TEMP(0.0)

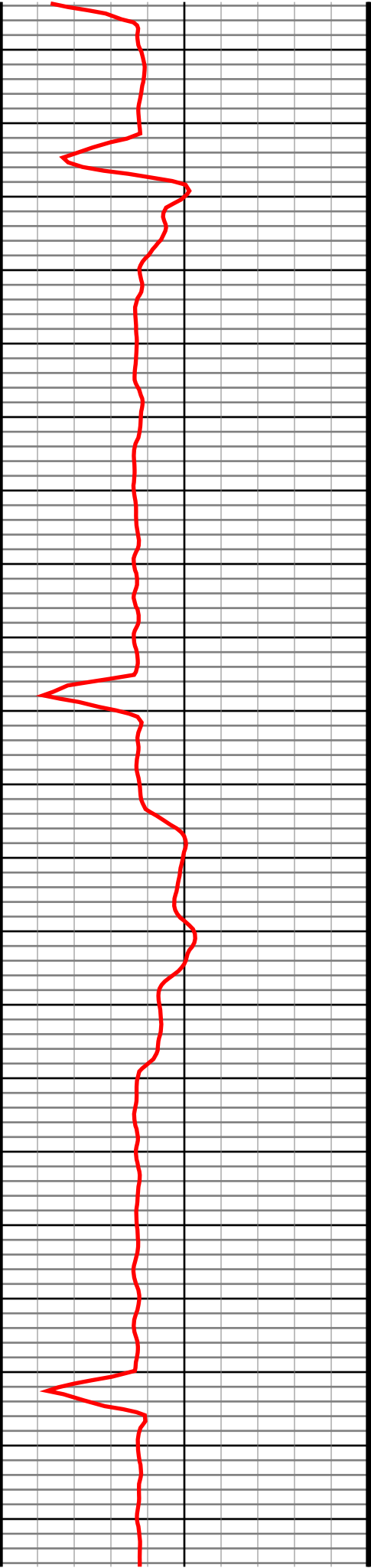


#139 MD(11974.00) Inc(88.9) Azm(269.3) TVD(6849.55)
VS(5147.72) NS(-426.31) EW(-5131.28) TEMP(0.0)

#140 MD(12068.00) Inc(89.1) Azm(270.5) TVD(6851.19)
VS(5241.54) NS(-426.48) EW(-5225.27) TEMP(0.0)

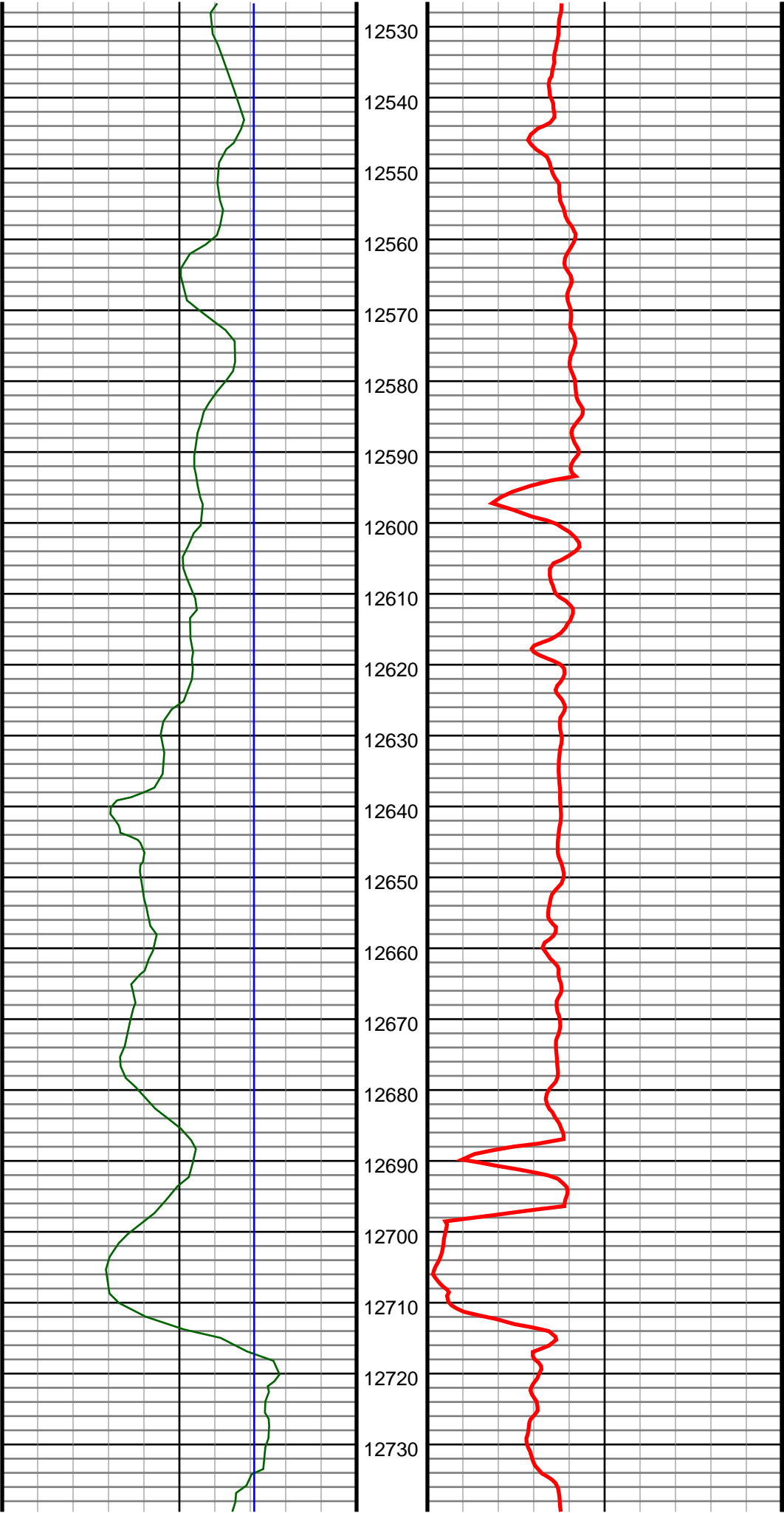


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#143 MD(12351.00) Inc(90.5) Azm(270.2) TVD(6853.67)
VS(5523.92) NS(-425.41) EW(-5508.24) TEMP(0.0)

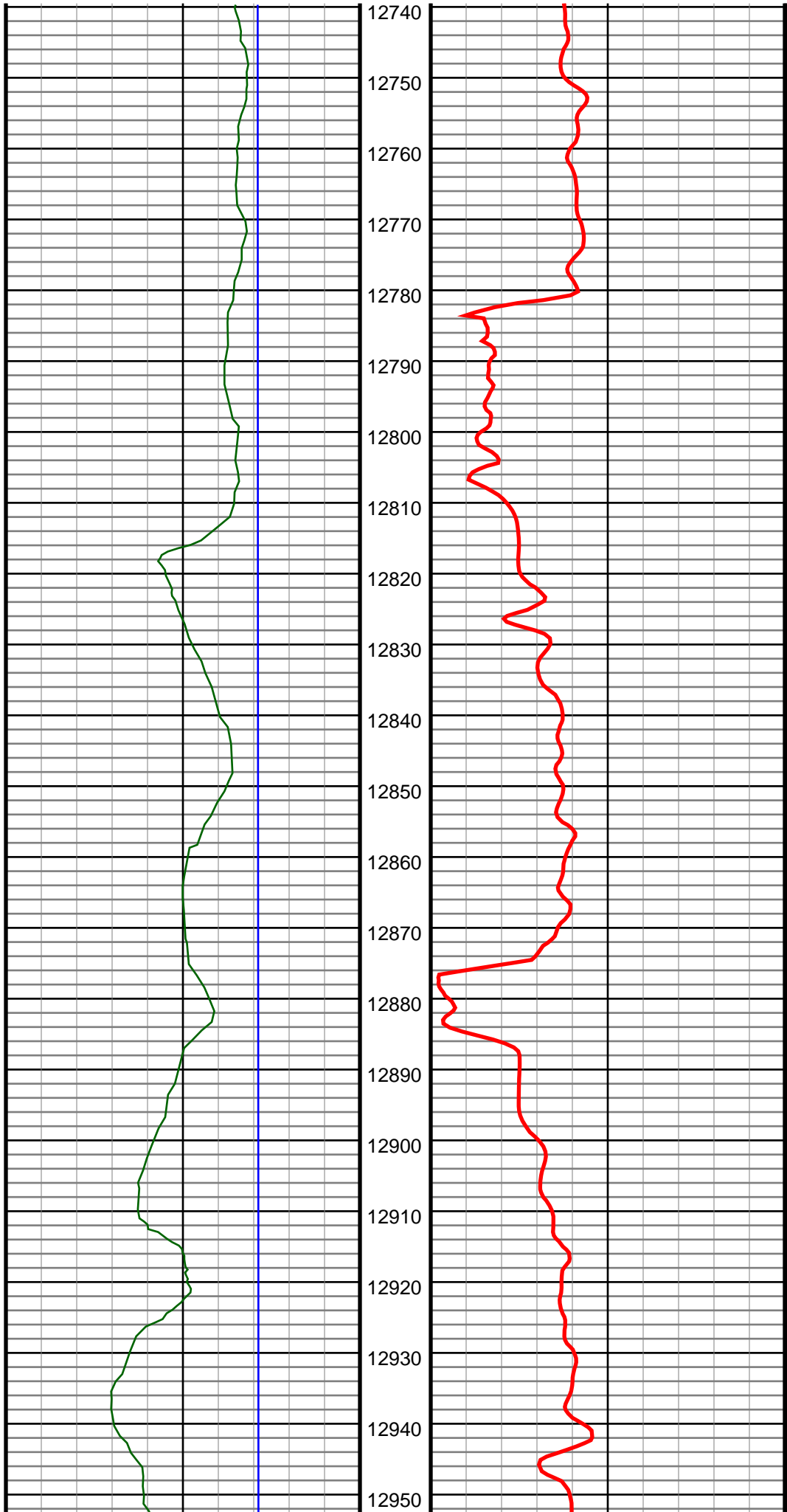
#144 MD(12445.00) Inc(90.8) Azm(270.0) TVD(6852.60)
VS(5617.73) NS(-425.24) EW(-5602.23) TEMP(0.0)



#145 MD(12540.00) Inc(90.2) Azm(270.0) TVD(6851.77)
VS(5712.55) NS(-425.24) EW(-5697.23) TEMP(0.0)

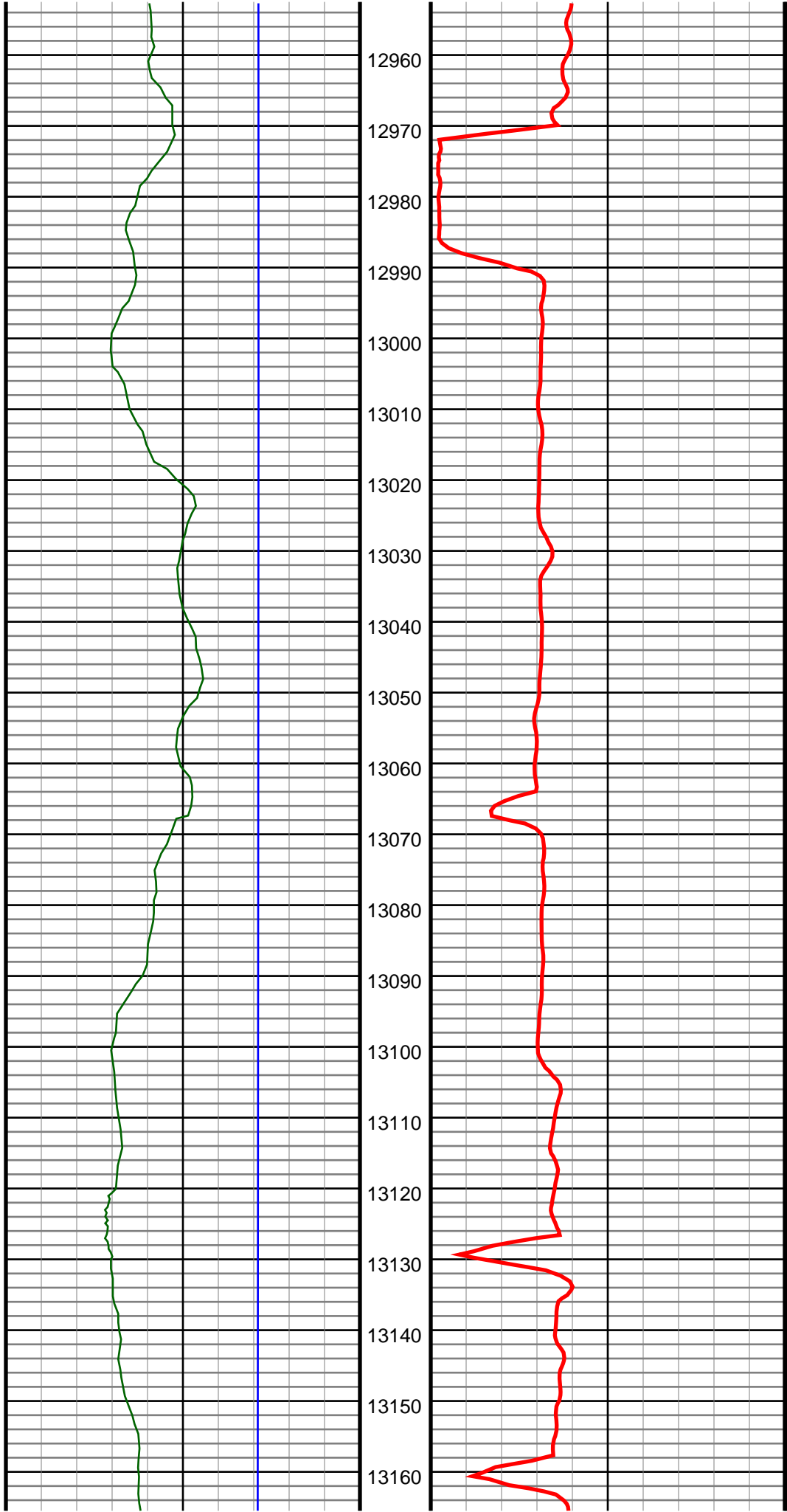
#146 MD(12633.00) Inc(89.1) Azm(268.9) TVD(6852.34)
VS(5805.42) NS(-426.14) EW(-5790.22) TEMP(0.0)

#147 MD(12728.00) Inc(89.7) Azm(271.1) TVD(6853.33)
VS(5900.23) NS(-426.14) EW(-5885.21) TEMP(0.0)



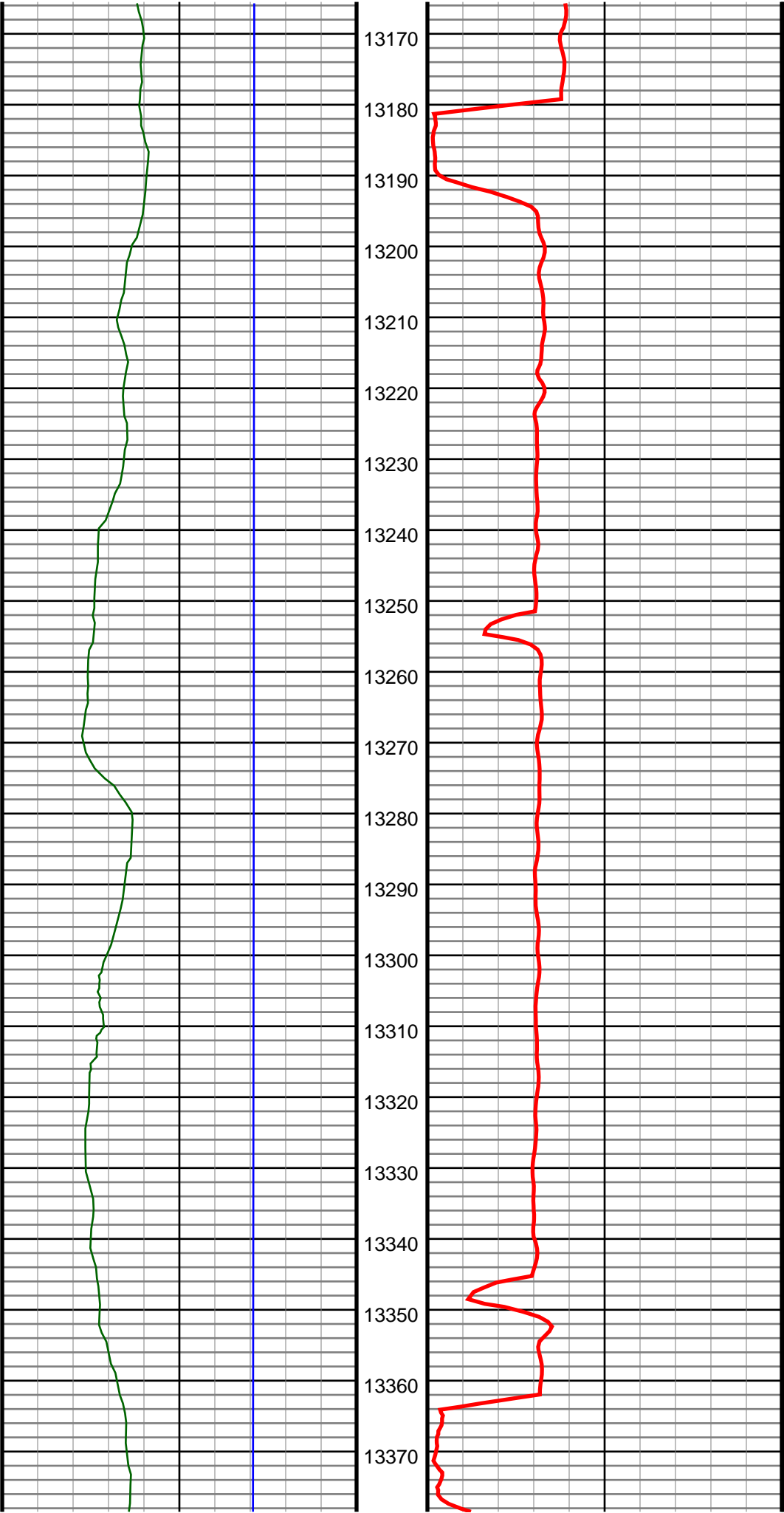
#148 MD(12822.00) Inc(89.3) Azm(270.0) TVD(6854.15)
VS(5993.99) NS(-425.23) EW(-5979.20) TEMP(0.0)

#149 MD(12916.00) Inc(88.8) Azm(269.3) TVD(6855.71)
VS(6087.84) NS(-425.81) EW(-6073.18) TEMP(0.0)



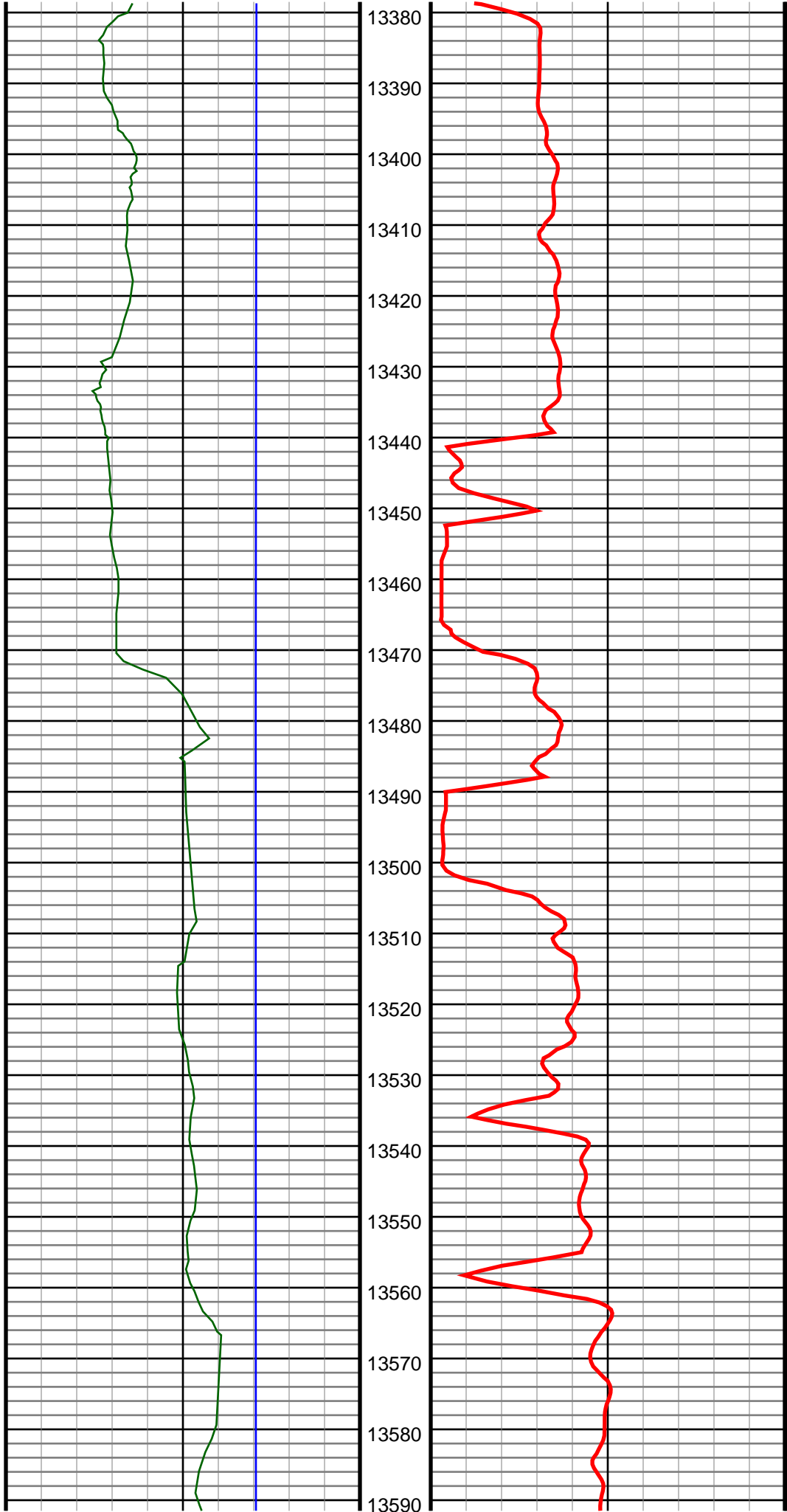
#150 MD(13010.00) Inc(90.5) Azm(270.9) TVD(6856.29)
VS(6181.64) NS(-425.64) EW(-6167.17) TEMP(0.0)

#151 MD(13104.00) Inc(91.5) Azm(270.7) TVD(6854.65)
VS(6275.37) NS(-424.33) EW(-6261.15) TEMP(0.0)



#152 MD(13197.00) Inc(90.6) Azm(270.5) TVD(6852.94)
VS(6368.11) NS(-423.36) EW(-6354.13) TEMP(0.0)

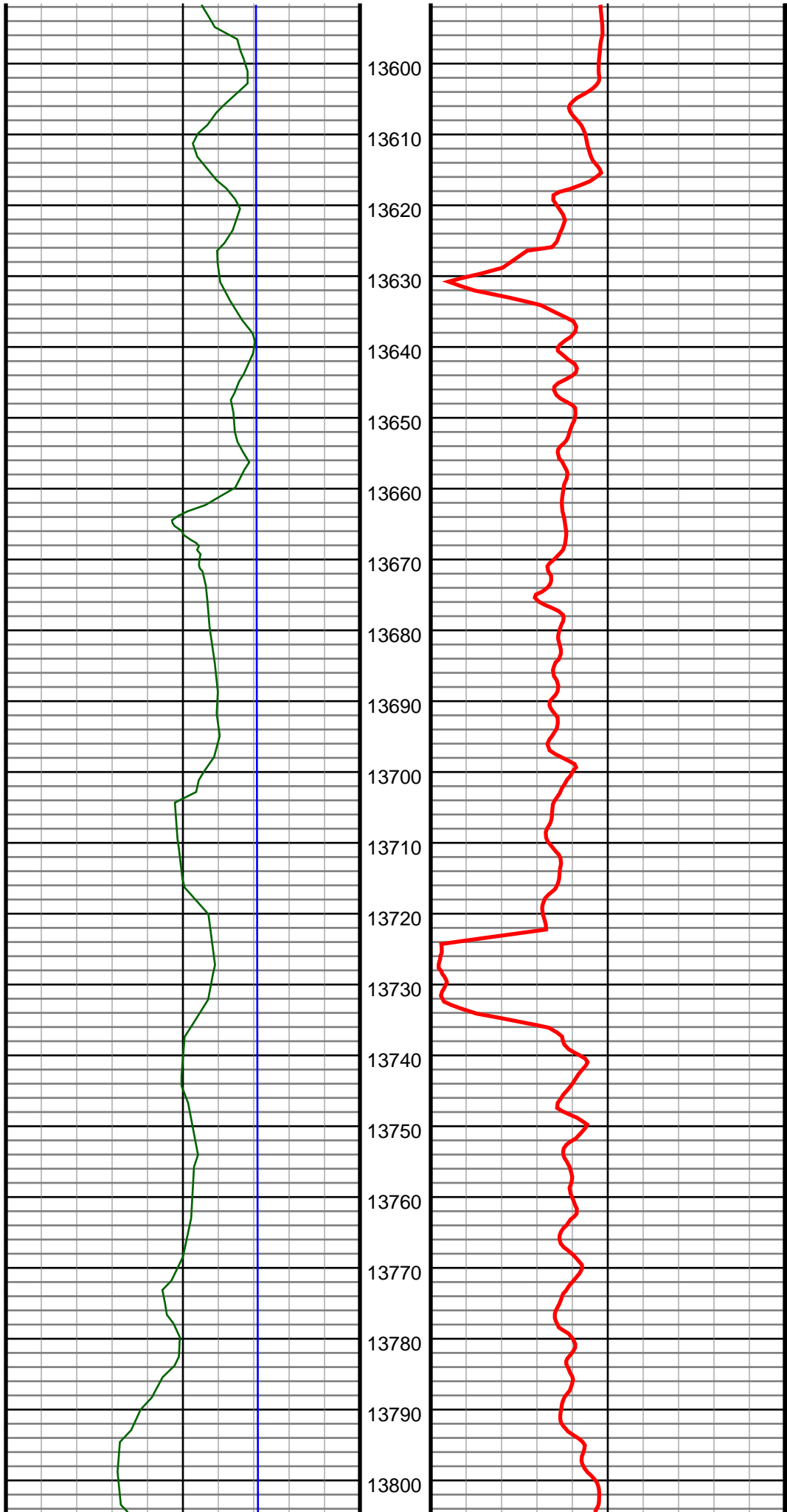
#153 MD(13292.00) Inc(91.1) Azm(270.5) TVD(6851.53)
VS(6462.87) NS(-422.53) EW(-6449.11) TEMP(0.0)



#154 MD(13386.00) Inc(92.0) Azm(269.6) TVD(6848.99)
VS(6556.66) NS(-422.45) EW(-6543.07) TEMP(0.0)

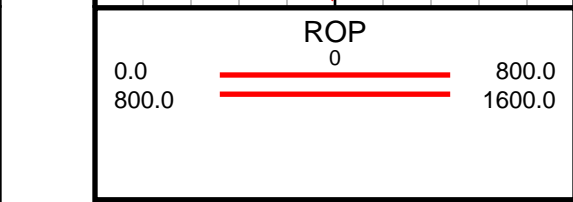
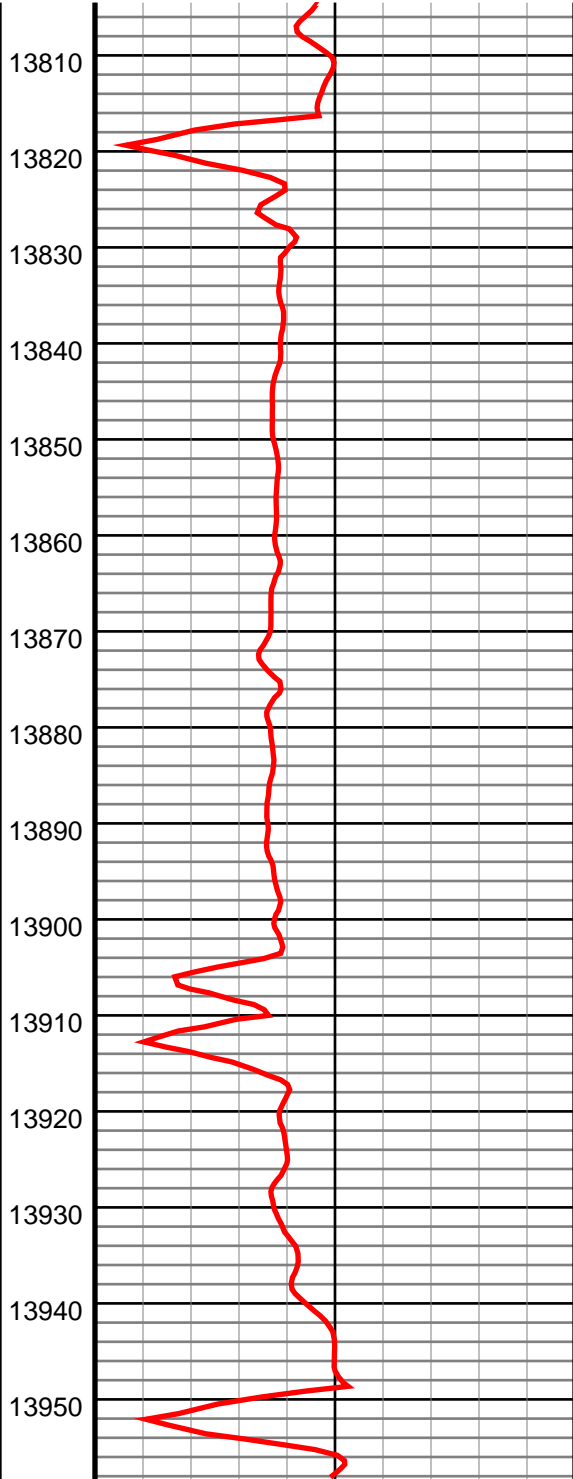
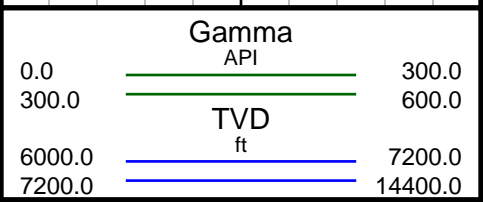
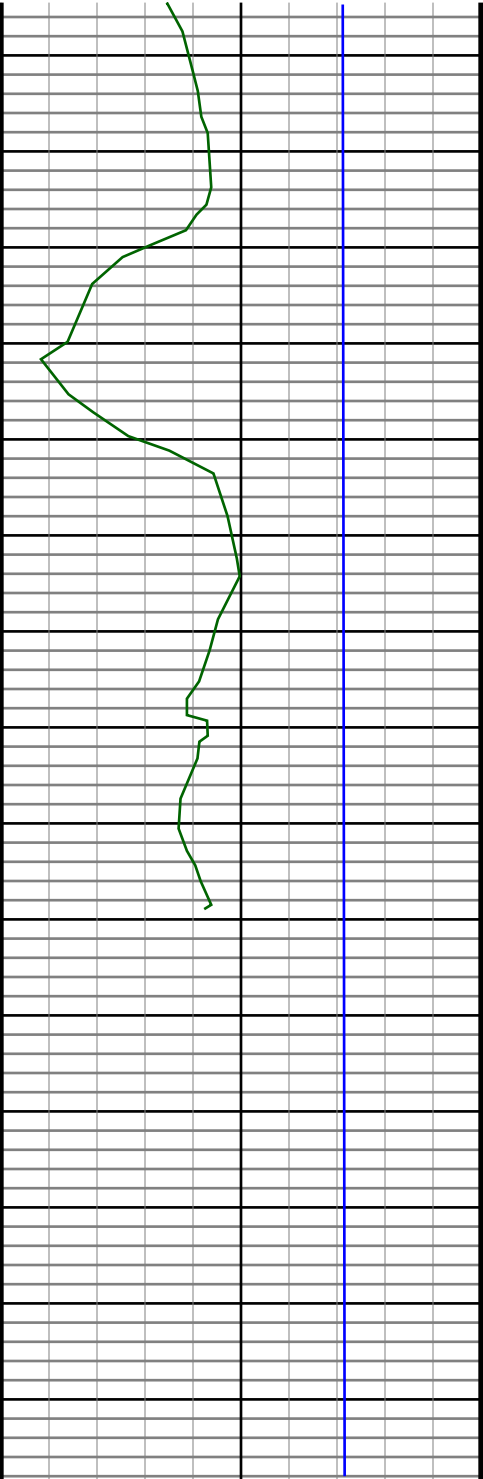
#155 MD(13480.00) Inc(90.7) Azm(268.8) TVD(6846.78)
VS(6650.52) NS(-423.76) EW(-6637.04) TEMP(0.0)

#156 MD(13574.00) Inc(88.9) Azm(269.3) TVD(6847.10)
VS(6744.43) NS(-425.32) EW(-6731.02) TEMP(0.0)



#157 MD(13668.00) Inc(87.9) Azm(268.2) TVD(6849.73)
VS(6838.32) NS(-427.37) EW(-6824.96) TEMP(0.0)

#158 MD(13762.00) Inc(88.1) Azm(267.5) TVD(6853.01)
VS(6932.23) NS(-430.89) EW(-6918.83) TEMP(0.0)



#159 MD(13856.00) Inc(88.2) Azm(267.7) TVD(6856.04)
VS(7026.17) NS(-434.83) EW(-7012.70) TEMP(0.0)

#160 MD(13903.00) Inc(88.3) Azm(267.5) TVD(6857.48)
VS(7073.14) NS(-436.79) EW(-7059.64) TEMP(0.0)