



# Carlson I-15-16HN

MD  
5":100'

Company: Bayswater Exploration & Production, LLC

Well Name: CARLSON I-15-16HN

API:

Rig Id: Frontier 8

State: CO

County/Parish: Weld

Country: United States

Survey Company: Ensign Directional Services

Job number:

DIR. DRILLER DAY Kabel Skeleton

DIR. DRILLER NIGHT Jamie Sheets

LWD/MWD DAYS Matt Brokaw

LWD/MWD NIGHTS Tyler Teague

Log measurements: Gamma  
Depth measured from: Rig Floor  
Maximum temperature:

Depth Start: 7310 ft  
Date 11/2/2015  
End: 14870 ft 11/5/15

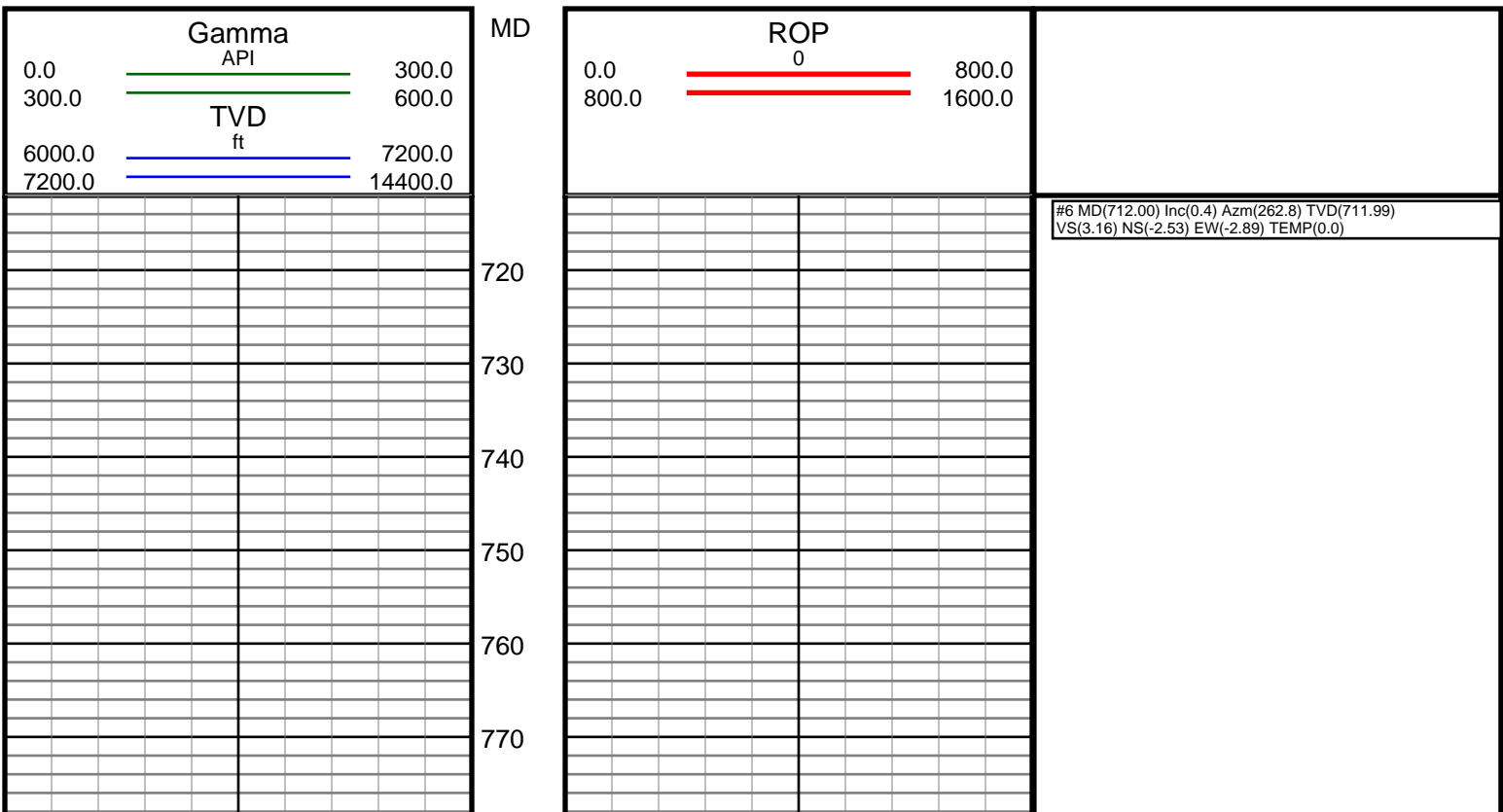
Casing Depth Size  
Surface: 848 9.63  
Intermediate:

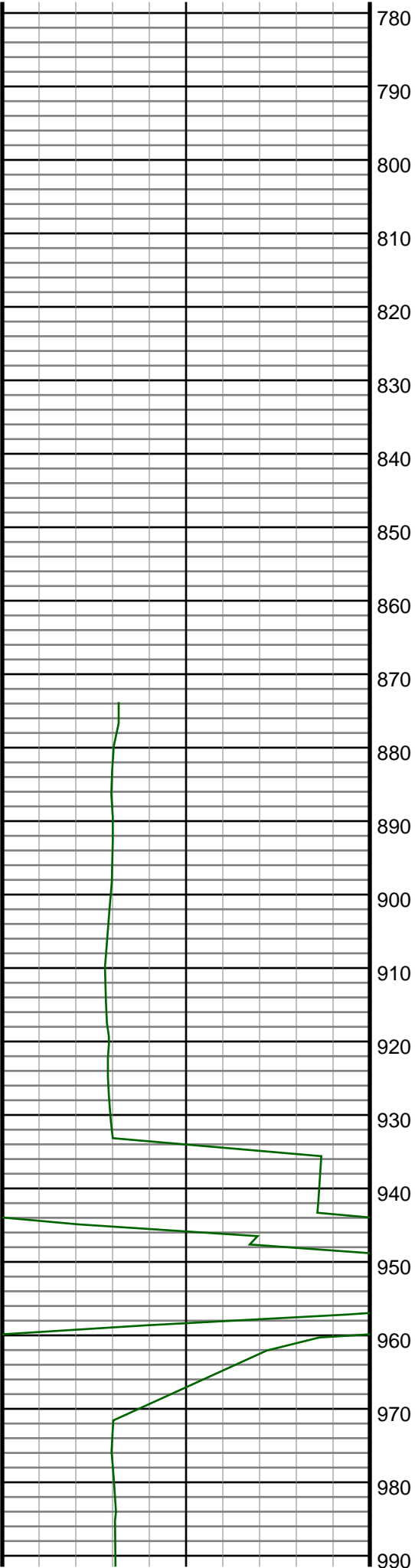
Mud Type: H2O  
Density: 9.2  
Viscosity: 40  
Rm: Rmf: Rmc:

Elevations  
KB: 4643.5  
GL: 4621  
DF: 4643.5

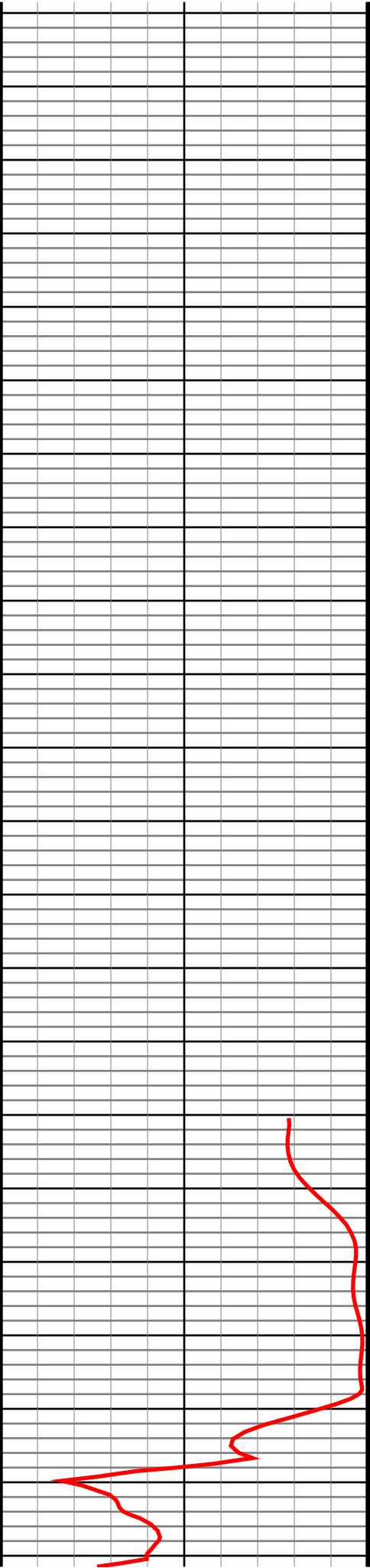
Run	Bit Size	Offsets Gamma Survey	Start	Depths End	Start	Dates End
1	8.75	57.58	52.58	860	6785	10/18/2015 10/20/2015
2	8.75	57.63	52.63	6785	7310	10/20/2015 10/20/2015
3	6.125	65.85	60.85	7310	14870	11/2/2015 11/5/15
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Ensign Directional Services uses 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.

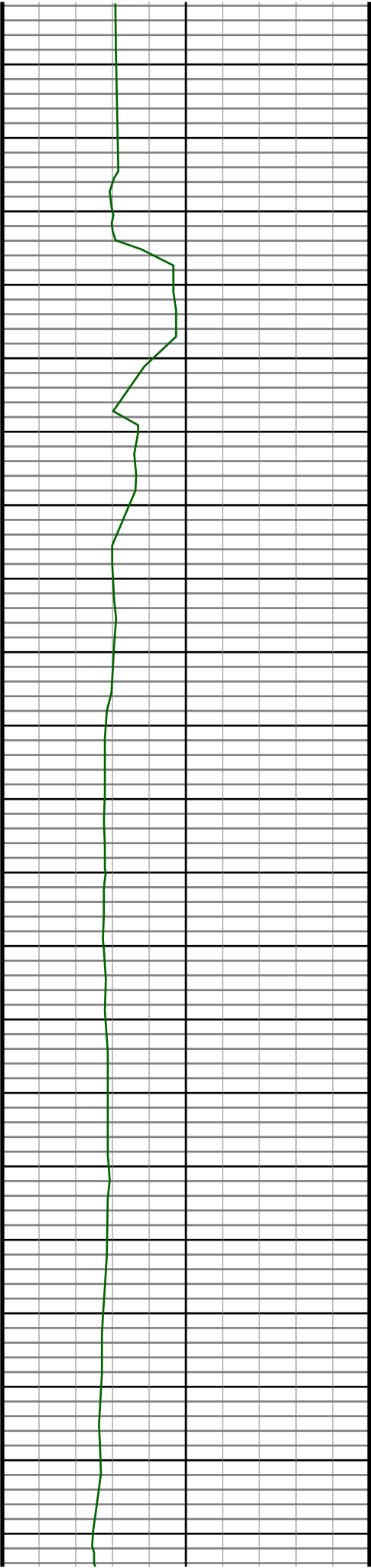




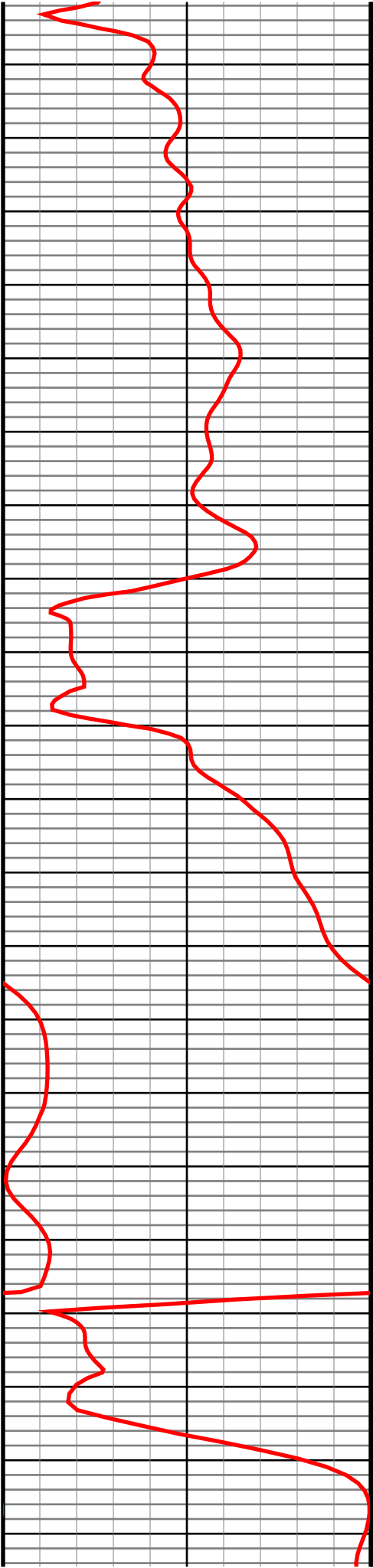
#7 MD(805.00) Inc(0.7) Azm(256.1) TVD(804.98)  
VS(4.05) NS(-2.70) EW(-3.77) TEMP(0.0)



#8 MD(923.00) Inc(1.0) Azm(254.3) TVD(922.97)  
VS(5.78) NS(-3.16) EW(-5.46) TEMP(0.0)

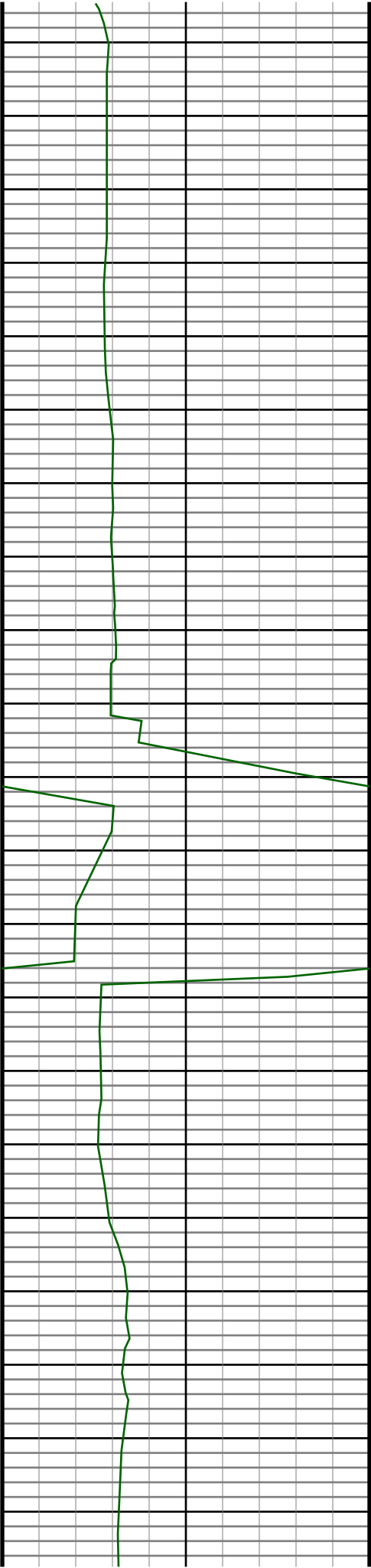


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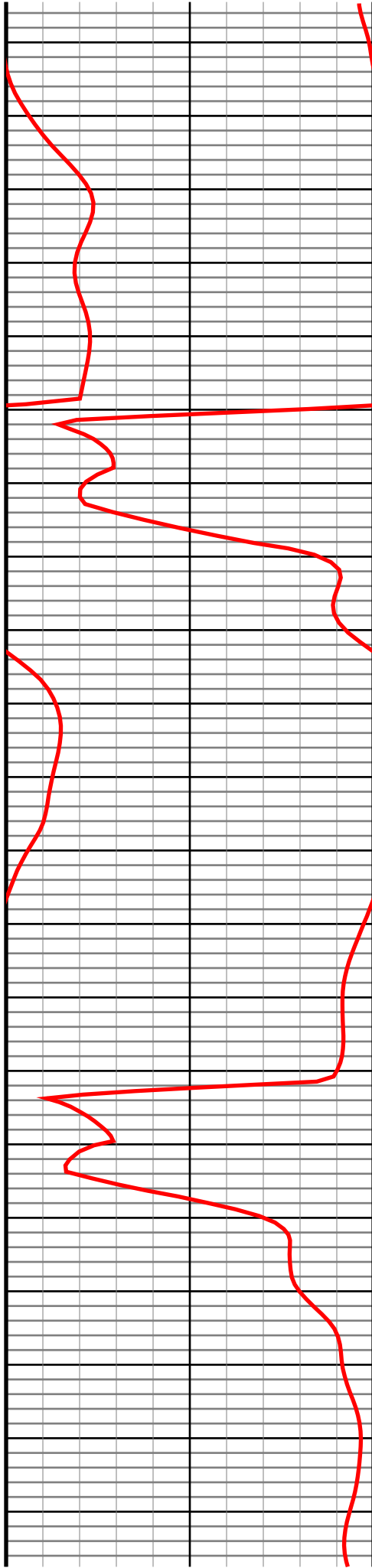


#9 MD(1018.00) Inc(1.4) Azm(158.7) TVD(1017.96)  
VS(6.30) NS(-4.46) EW(-5.84) TEMP(0.0)

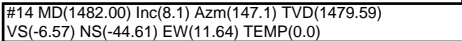
#10 MD(1113.00) Inc(3.5) Azm(167.3) TVD(1112.86)  
VS(5.69) NS(-8.37) EW(-4.78) TEMP(0.0)



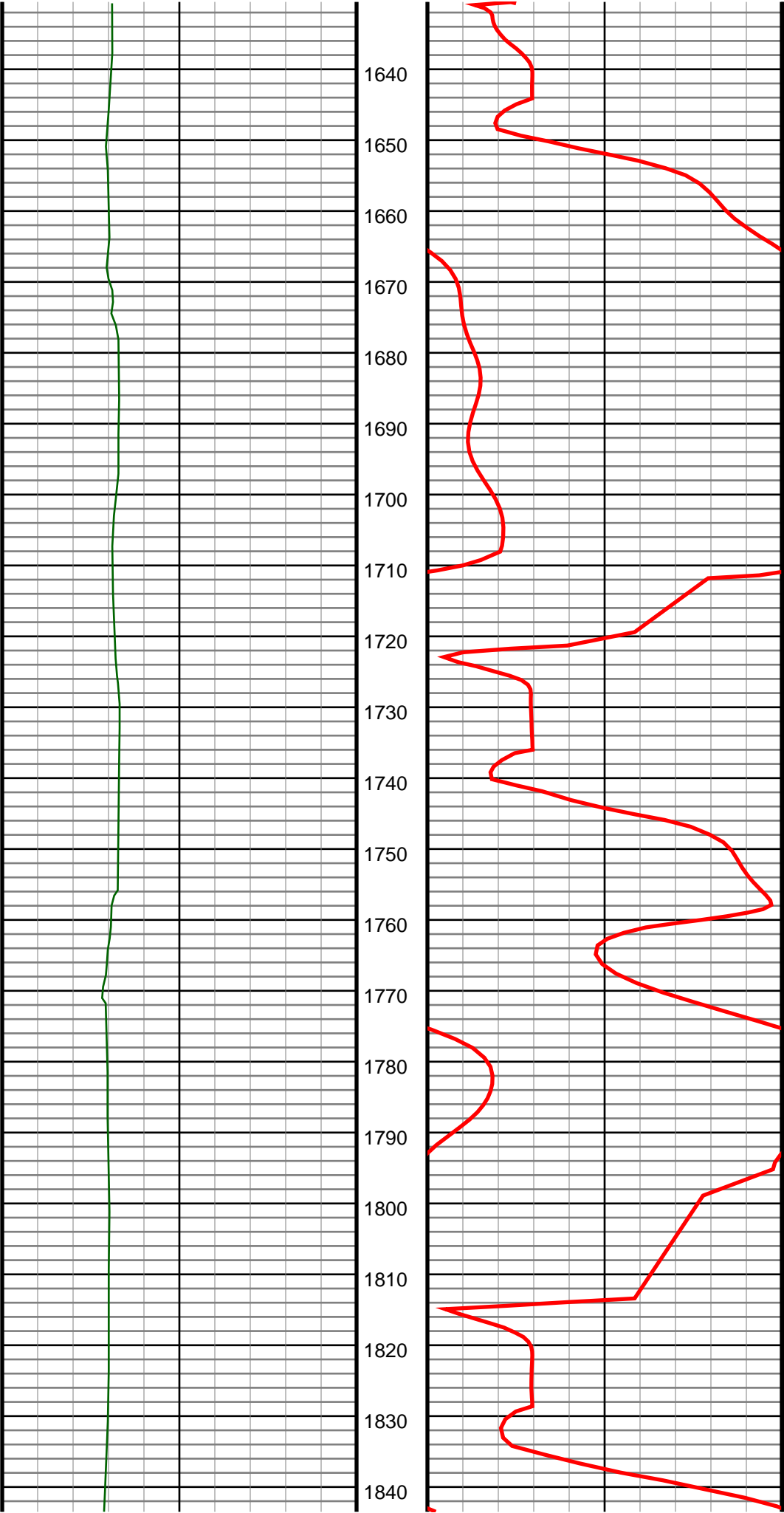
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#11 MD(1205.00) Inc(5.3) Azm(160.3) TVD(1204.59) VS(4.40) NS(-15.11) EW(-2.73) TEMP(0.0)	
#12 MD(1298.00) Inc(6.2) Azm(158.9) TVD(1297.12) VS(2.15) NS(-23.84) EW(0.53) TEMP(0.0)	
#13 MD(1390.00) Inc(7.6) Azm(151.5) TVD(1388.45) VS(-1.39) NS(-33.82) EW(5.22) TEMP(0.0)	

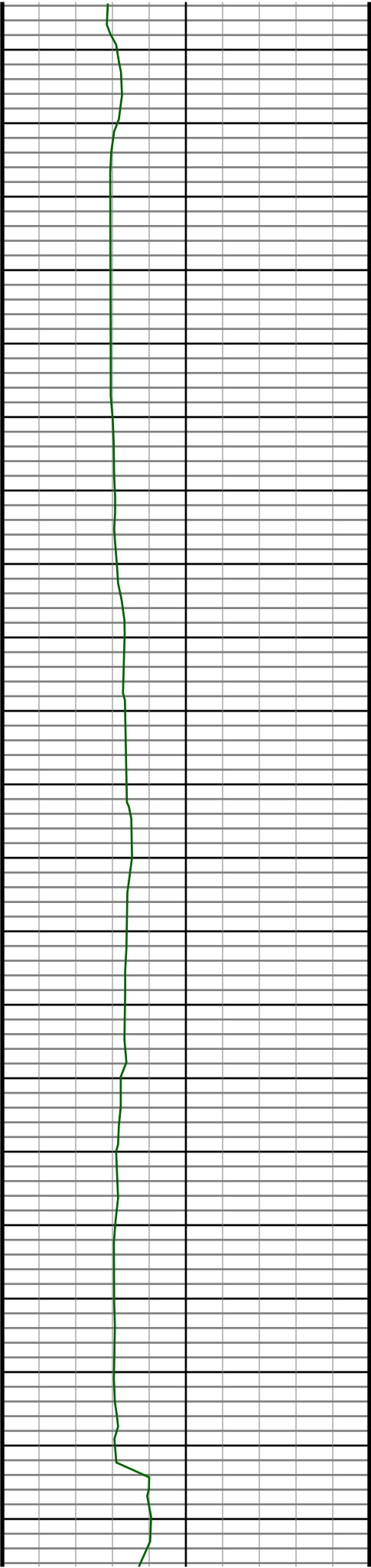


#15 MD(1574.00) Inc(8.8) Azm(152.4) TVD(1570.59) VS(-12.00) NS(-56.29) EW(18.43) TEMP(0.0)
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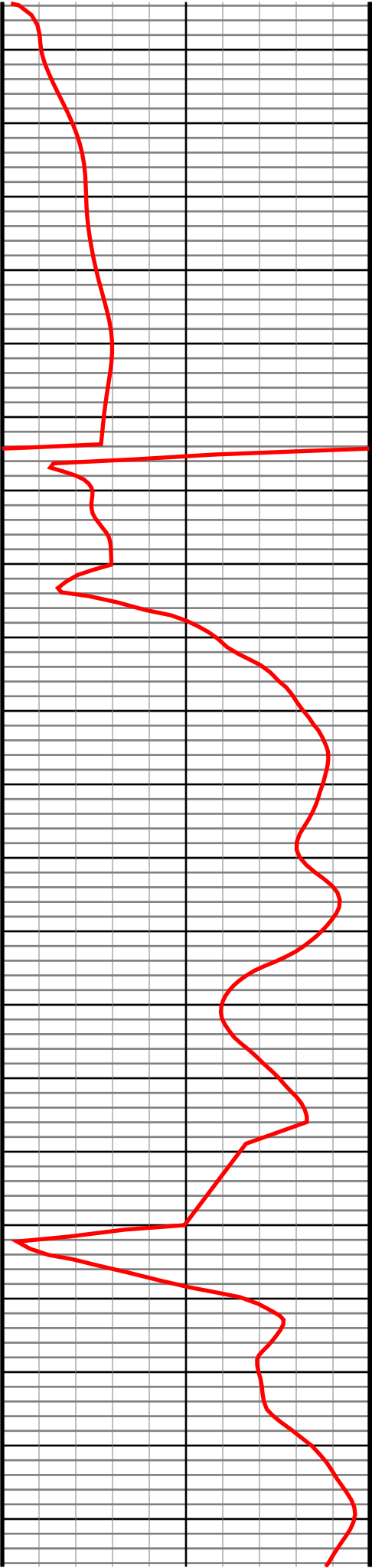


#16 MD(1666.00) Inc(9.1) Azm(158.7) TVD(1661.48)  
VS(-16.40) NS(-69.31) EW(24.33) TEMP(0.0)

#17 MD(1758.00) Inc(9.8) Azm(169.8) TVD(1752.24)  
VS(-18.78) NS(-83.79) EW(28.36) TEMP(0.0)



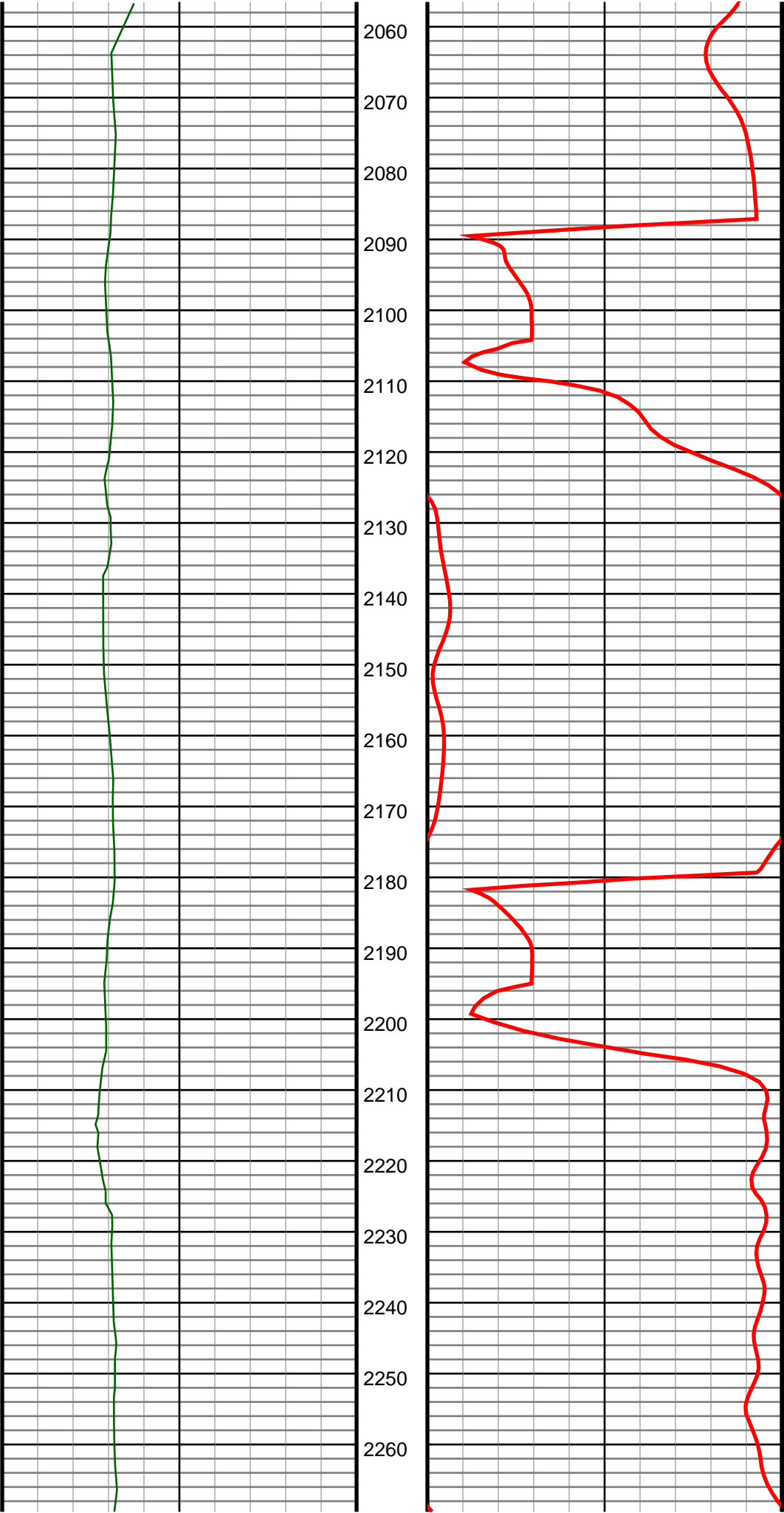
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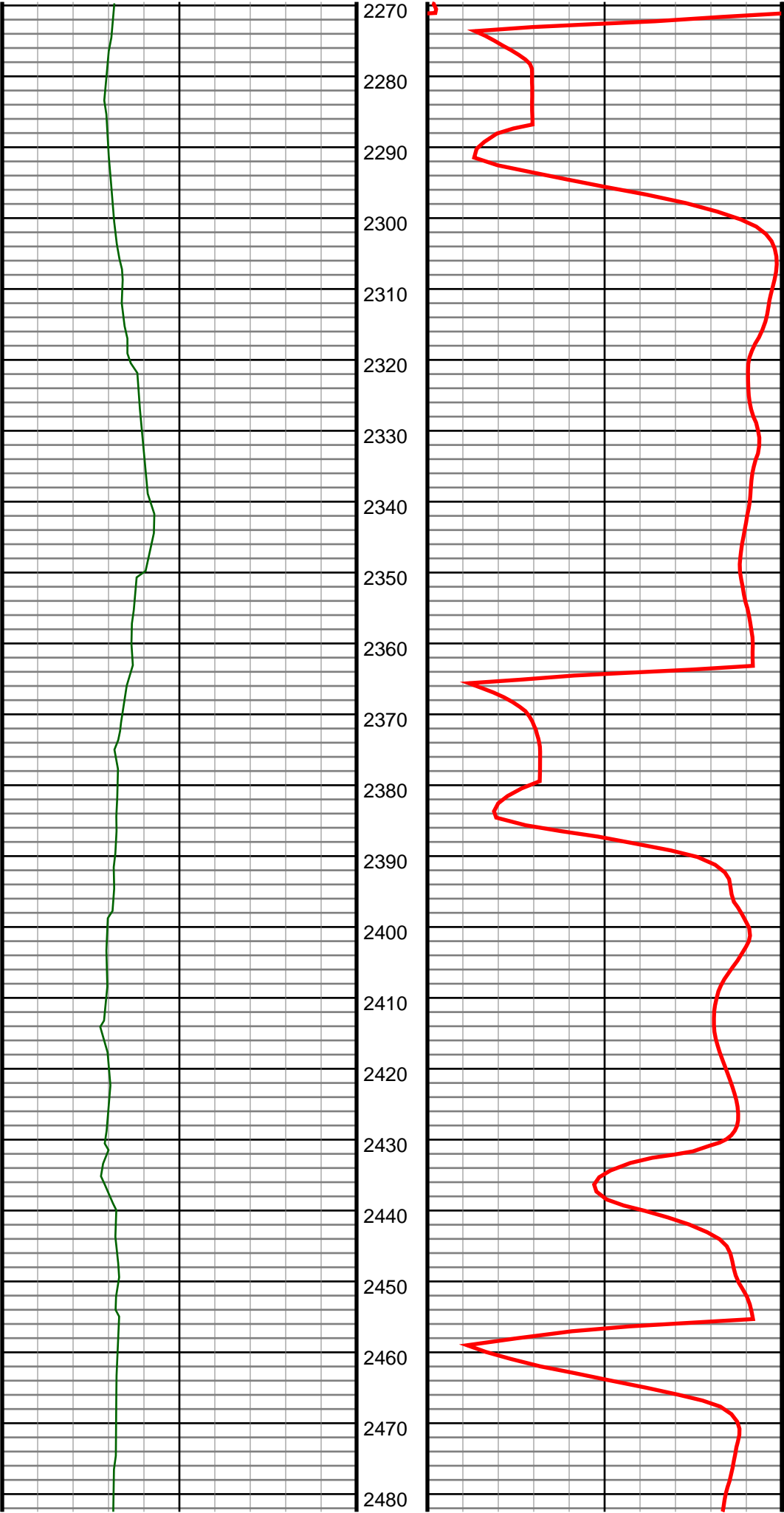
#18 MD(1850.00) Inc(11.3) Azm(167.8) TVD(1842.68)  
VS(-20.20) NS(-100.31) EW(31.65) TEMP(0.0)

#19 MD(1942.00) Inc(12.1) Azm(164.3) TVD(1932.77)  
VS(-22.66) NS(-118.40) EW(36.16) TEMP(0.0)

#20 MD(2034.00) Inc(10.7) Azm(162.0) TVD(2022.95)  
VS(-25.92) NS(-135.81) EW(41.41) TEMP(0.0)

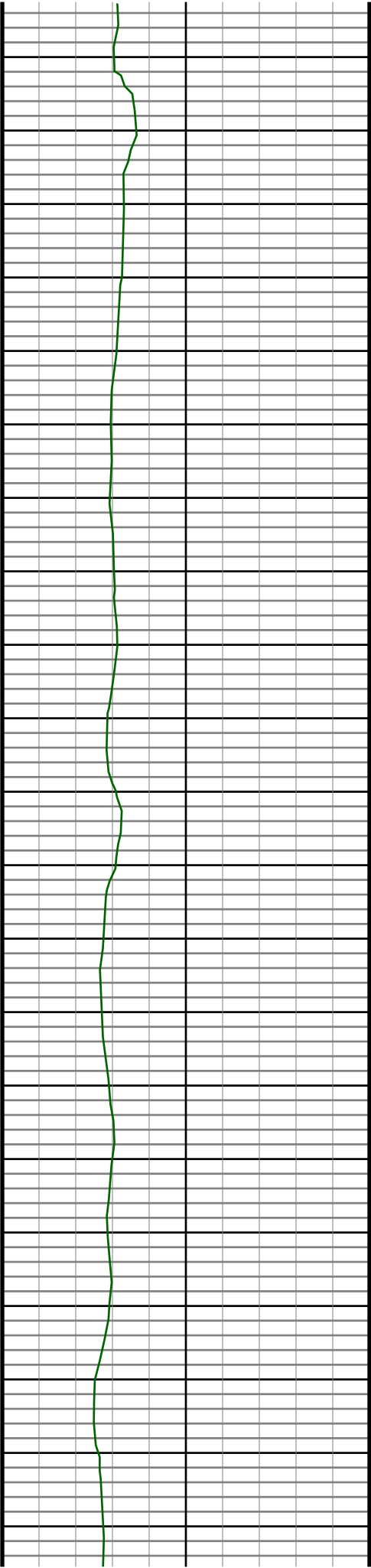




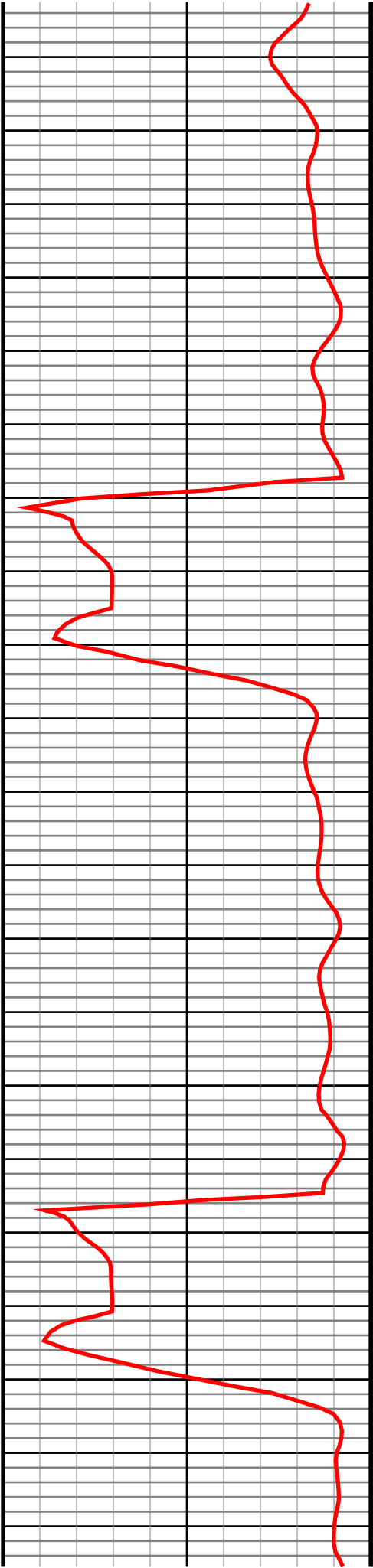


#23 MD(2311.00) Inc(12.2) Azm(162.4) TVD(2294.07)  
VS(-37.61) NS(-189.65) EW(59.26) TEMP(0.0)

#24 MD(2403.00) Inc(12.8) Azm(163.4) TVD(2383.89)  
VS(-41.29) NS(-208.68) EW(65.11) TEMP(0.0)



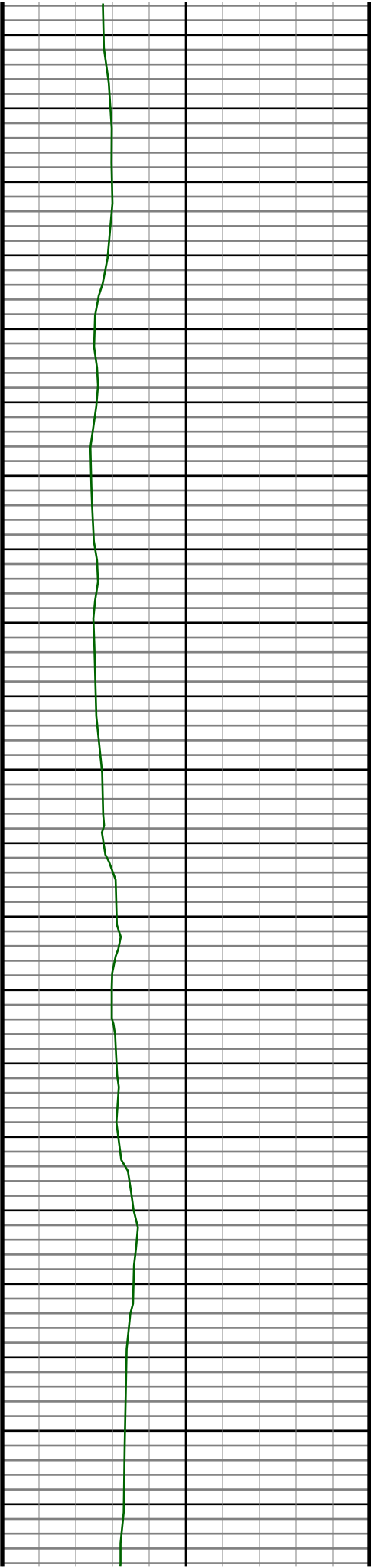
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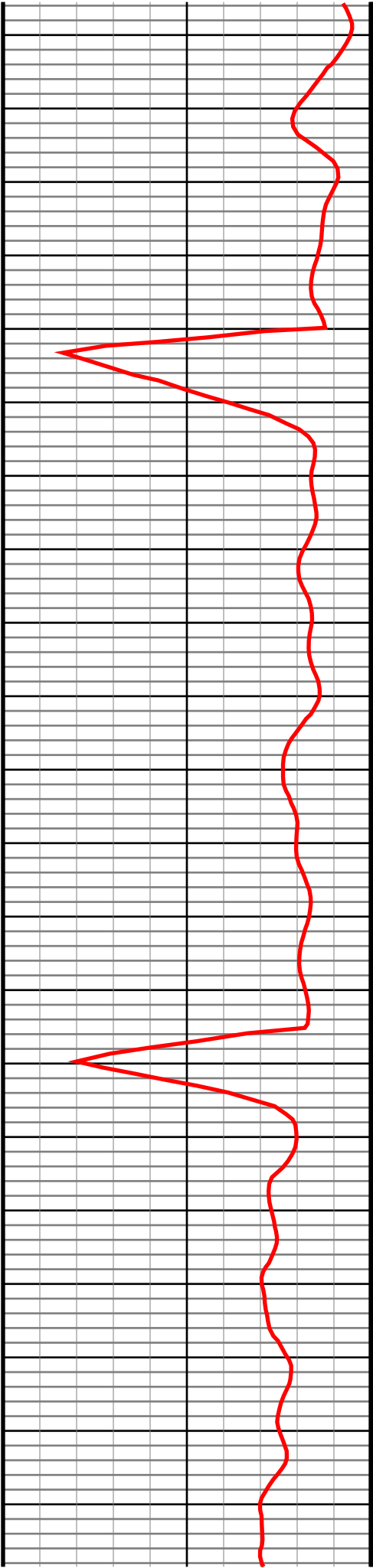
#25 MD(2495.00) Inc(11.3) Azm(159.9) TVD(2473.86)  
VS(-45.22) NS(-226.92) EW(71.12) TEMP(0.0)

#26 MD(2590.00) Inc(12.1) Azm(158.0) TVD(2566.89)  
VS(-50.09) NS(-244.89) EW(78.05) TEMP(0.0)

#27 MD(2685.00) Inc(14.2) Azm(159.4) TVD(2659.39)  
VS(-55.61) NS(-265.03) EW(85.88) TEMP(0.0)



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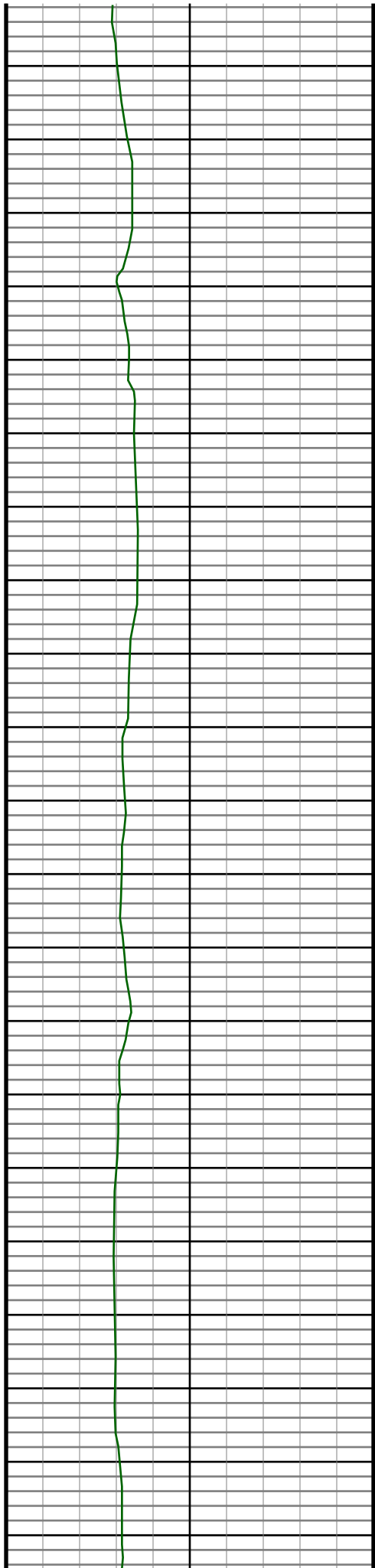
#28 MD(2780.00) Inc(14.6) Azm(159.2) TVD(2751.41)  
VS(-61.43) NS(-287.13) EW(94.23) TEMP(0.0)

#29 MD(2875.00) Inc(12.8) Azm(157.8) TVD(2843.70)  
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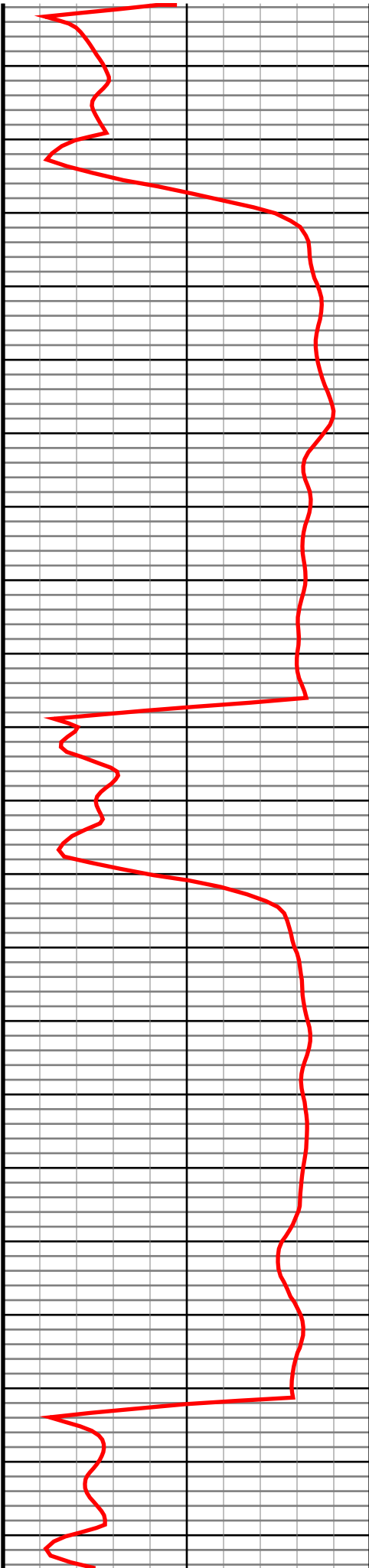


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VS(-73.20) NS(-326.76) EW(110.54) TEMP(0.0)

#31 MD(3066.00) Inc(10.6) Azm(154.1) TVD(3030.72)  
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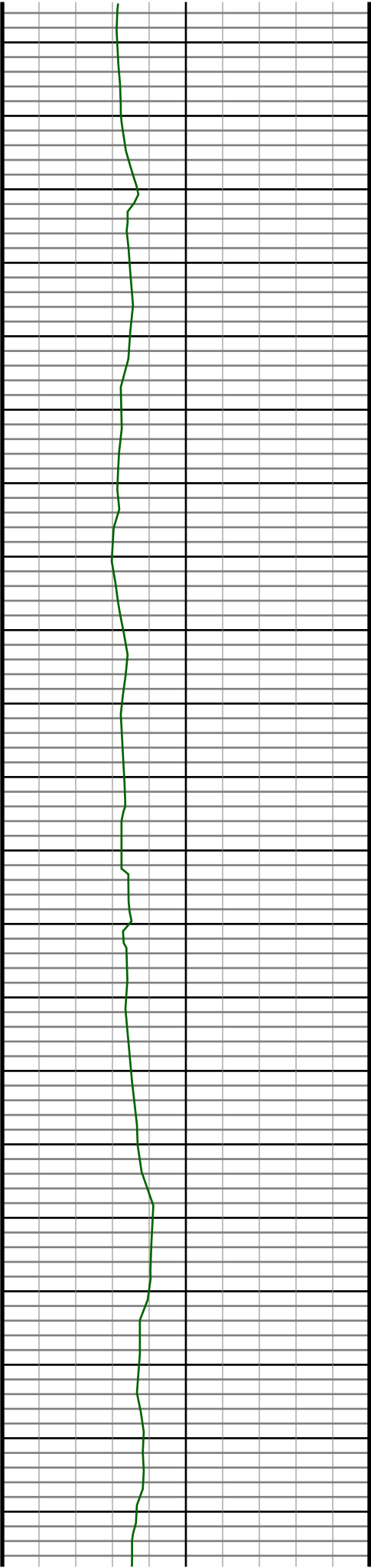


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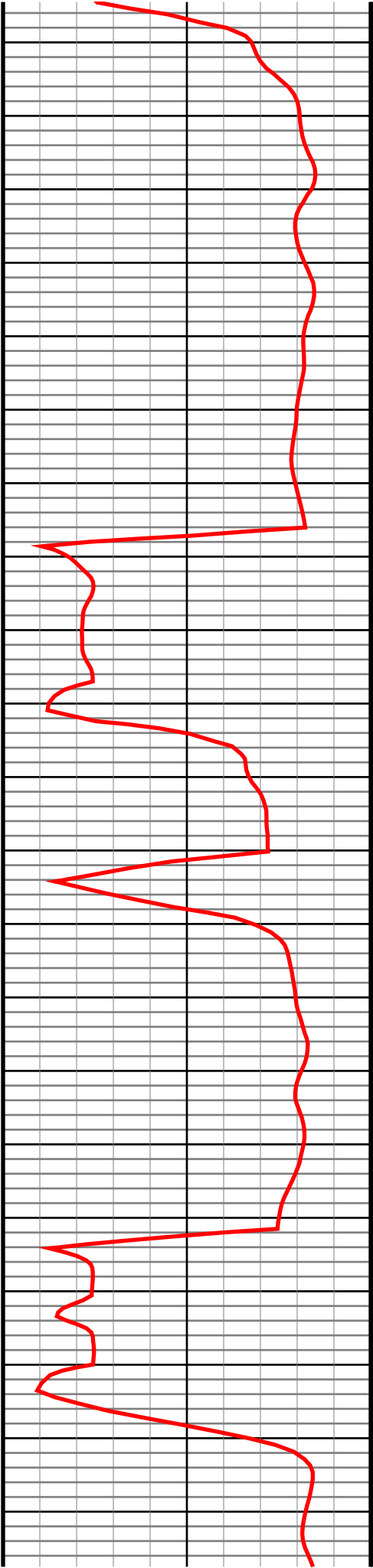


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VS(-84.29) NS(-359.03) EW(125.35) TEMP(0.0)

#33 MD(3256.00) Inc(10.0) Azm(157.6) TVD(3217.69)  
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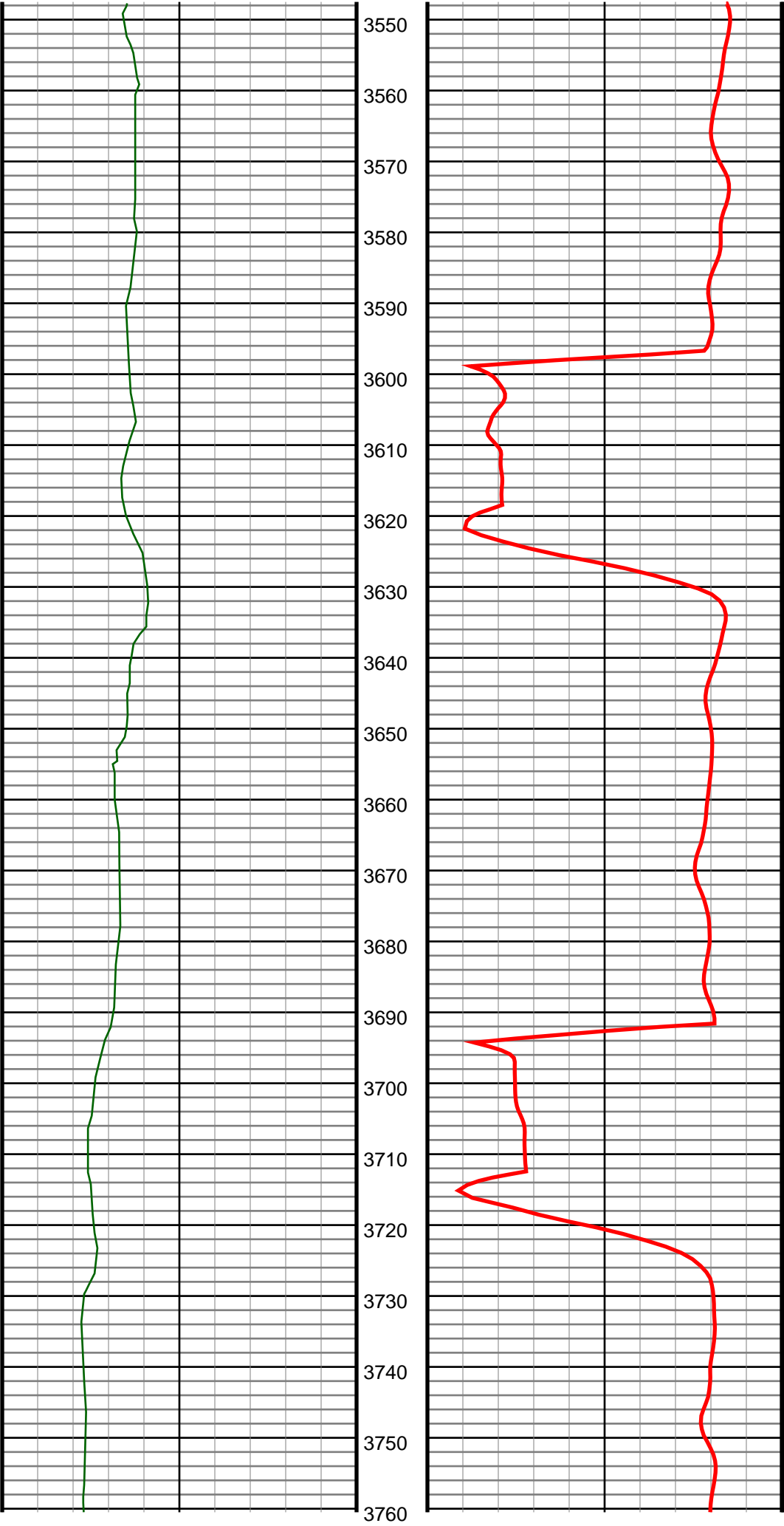
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#34 MD(3351.00) Inc(9.6) Azm(156.2) TVD(3311.30)  
VS(-93.45) NS(-389.33) EW(137.99) TEMP(0.0)

#35 MD(3446.00) Inc(10.1) Azm(157.1) TVD(3404.90)  
VS(-98.17) NS(-404.25) EW(144.43) TEMP(0.0)

#36 MD(3542.00) Inc(10.1) Azm(161.7) TVD(3499.42)  
VS(-102.29) NS(-420.00) EW(150.35) TEMP(0.0)



#37 MD(3637.00) Inc(10.8) Azm(159.4) TVD(3592.84)  
VS(-106.18) NS(-436.24) EW(156.09) TEMP(0.0)

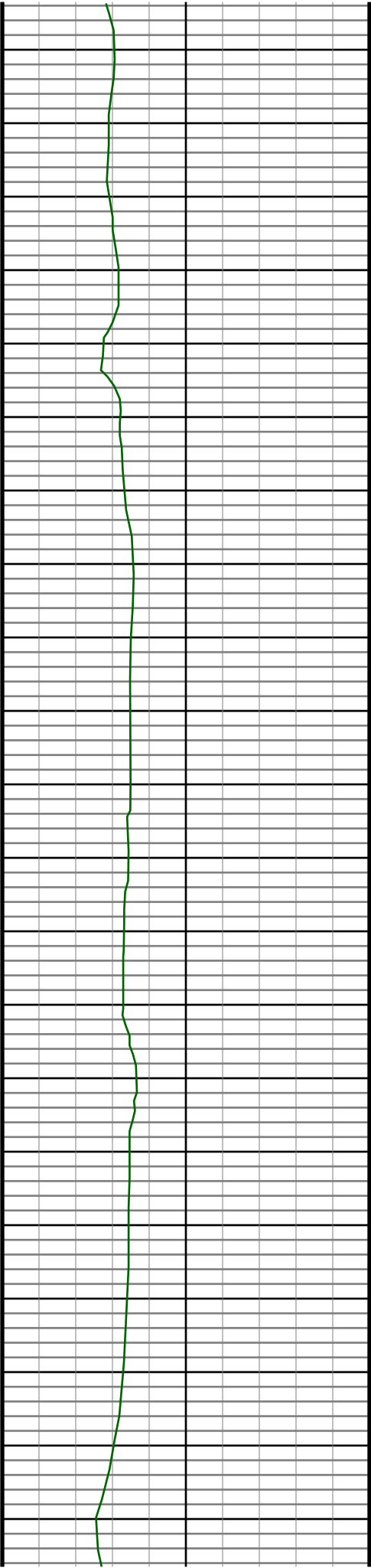
#38 MD(3732.00) Inc(13.0) Azm(163.4) TVD(3685.79)  
VS(-110.24) NS(-454.81) EW(162.28) TEMP(0.0)



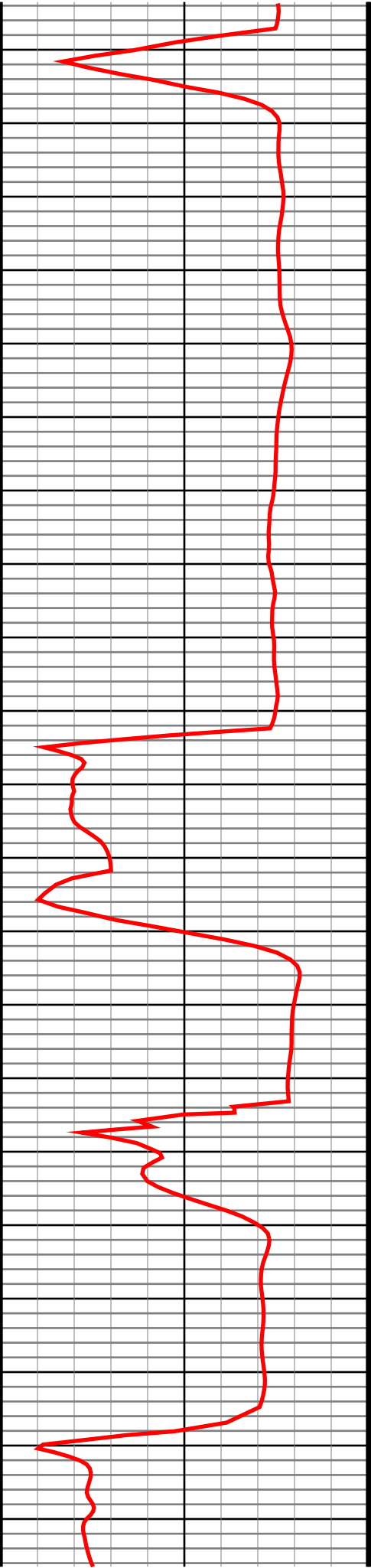
#39 MD(3827.00) Inc(13.7) Azm(163.6) TVD(3778.23)  
VS(-114.07) NS(-475.84) EW(168.51) TEMP(0.0)

#40 MD(3922.00) Inc(14.1) Azm(163.1) TVD(3870.44)  
VS(-118.12) NS(-497.71) EW(175.05) TEMP(0.0)



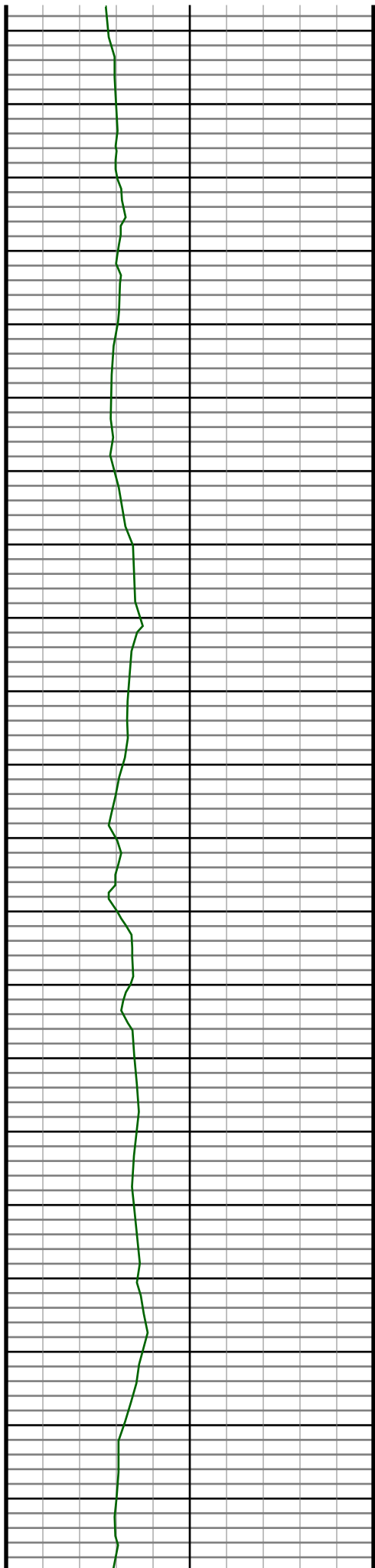


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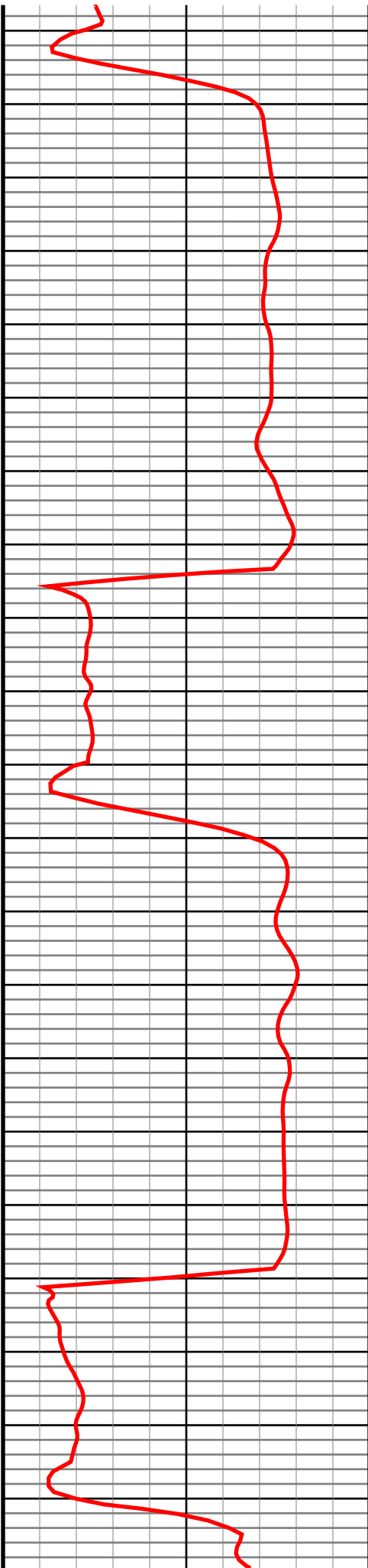


#41 MD(4017.00) Inc(13.2) Azm(162.9) TVD(3962.76)  
VS(-122.23) NS(-519.15) EW(181.60) TEMP(0.0)

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VS(-127.16) NS(-538.78) EW(188.79) TEMP(0.0)



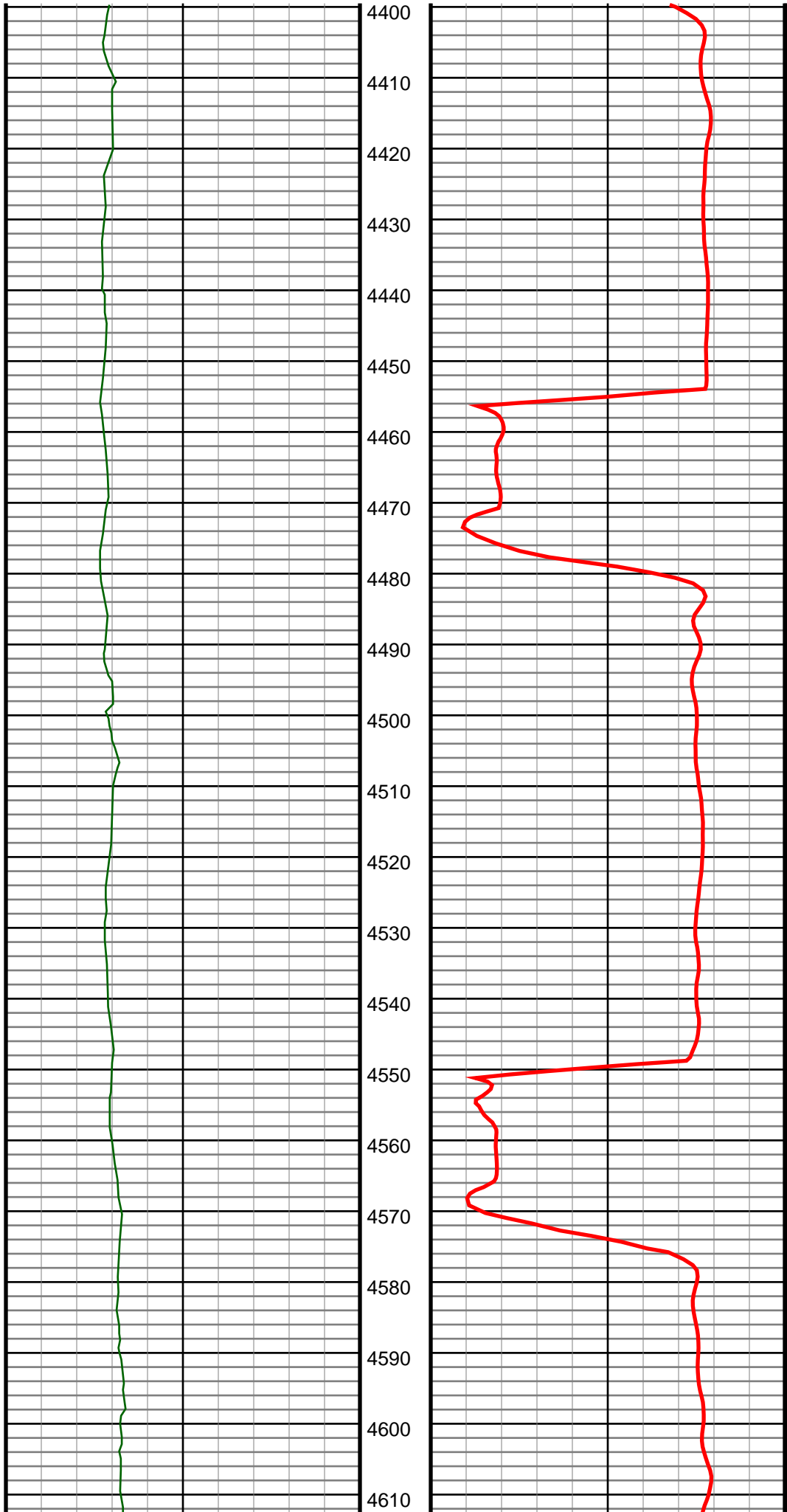
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#43 MD(4208.00) Inc(11.8) Azm(159.0) TVD(4149.41)  
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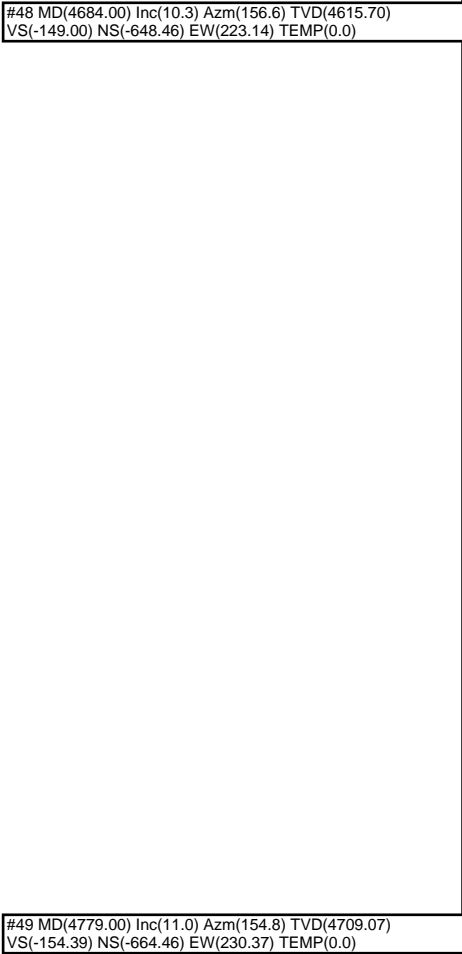
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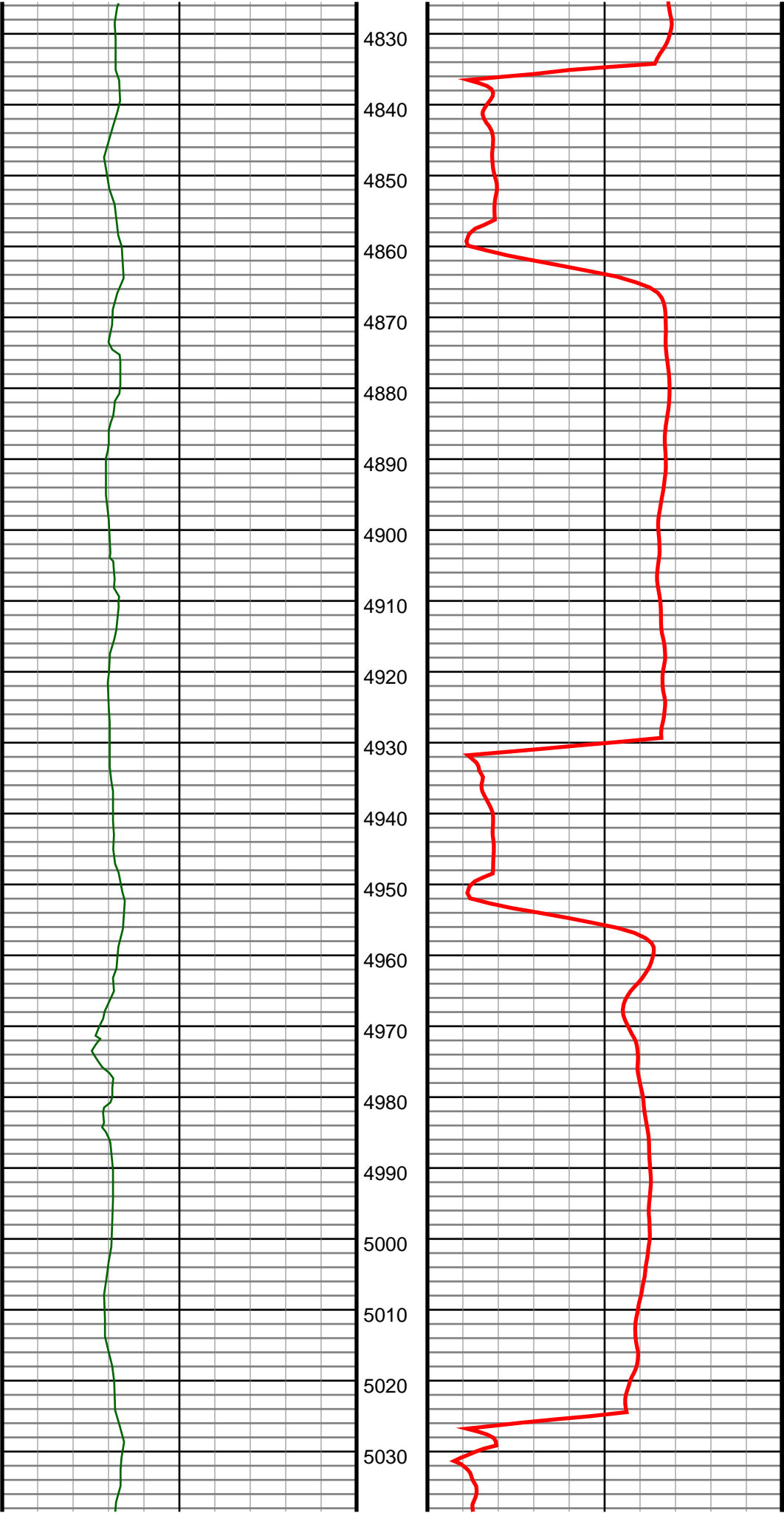
#45 MD(4398.00) Inc(12.0) Azm(167.6) TVD(4335.57)  
VS(-138.48) NS(-593.51) EW(206.35) TEMP(0.0)



#46 MD(4493.00) Inc(11.9) Azm(165.7) TVD(4428.51)  
VS(-140.84) NS(-612.65) EW(210.89) TEMP(0.0)

#47 MD(4588.00) Inc(11.8) Azm(160.8) TVD(4521.48)  
VS(-144.33) NS(-631.31) EW(216.50) TEMP(0.0)





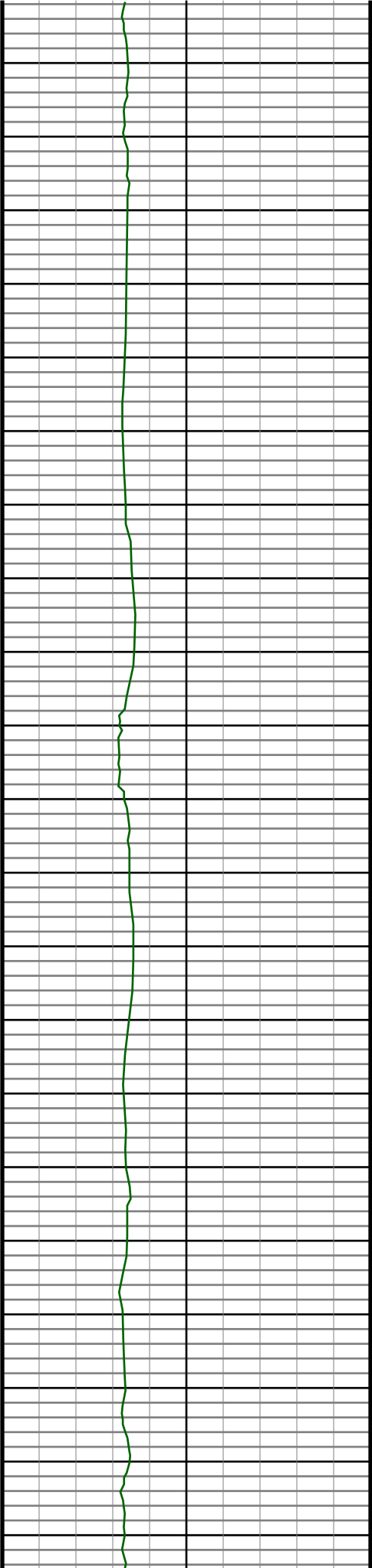
#50 MD(4874.00) Inc(11.5) Azm(153.9) TVD(4802.24)  
VS(-160.49) NS(-681.16) EW(238.40) TEMP(0.0)

#51 MD(4969.00) Inc(12.3) Azm(144.3) TVD(4895.21)  
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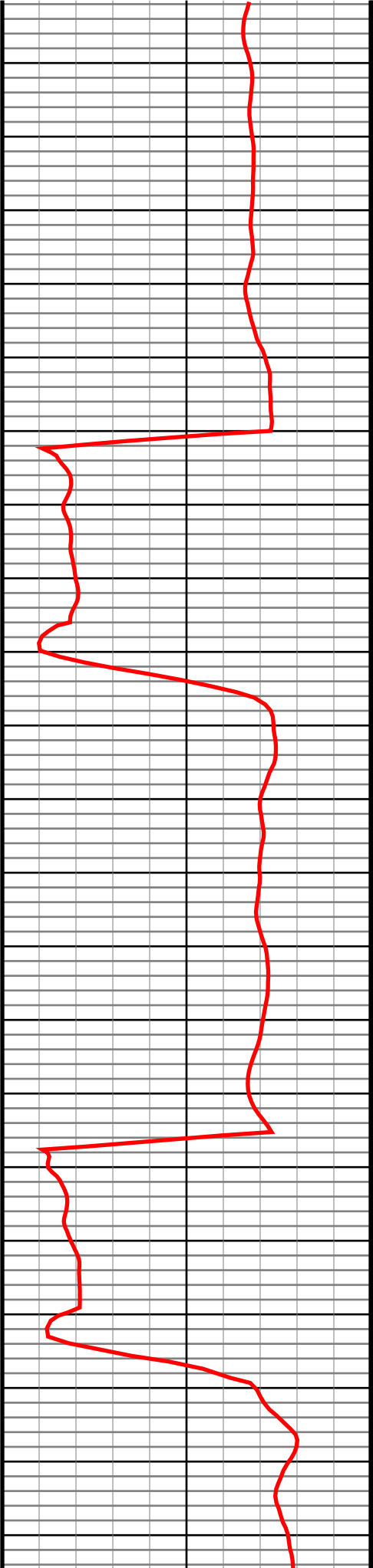


#52 MD(5064.00) Inc(12.8) Azm(148.3) TVD(4987.94)  
VS(-178.06) NS(-715.06) EW(259.91) TEMP(0.0)

#53 MD(5160.00) Inc(10.3) Azm(159.4) TVD(5082.00)  
VS(-184.70) NS(-732.14) EW(268.52) TEMP(0.0)



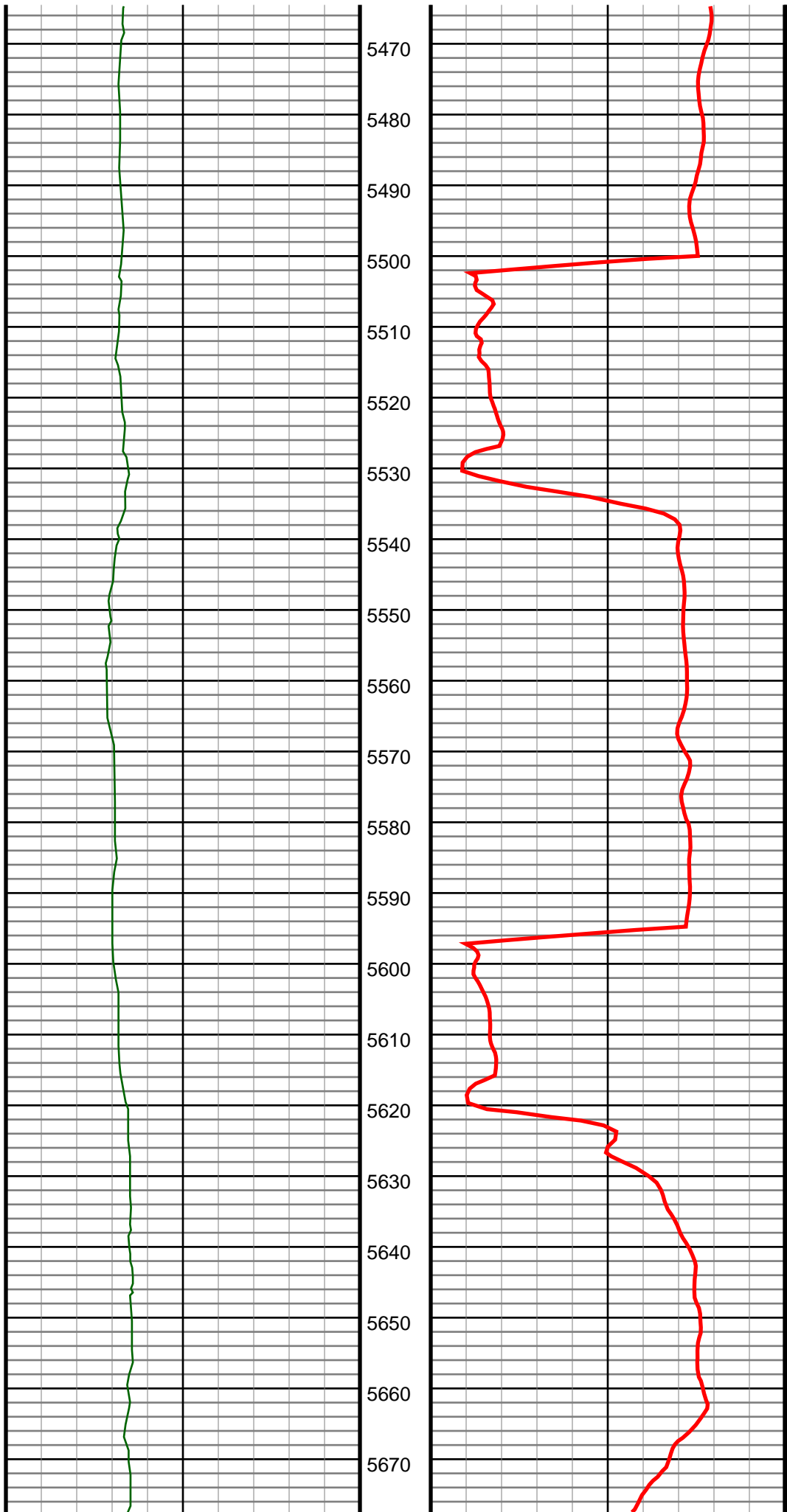
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#54 MD(5255.00) Inc(9.1) Azm(163.1) TVD(5175.64)  
VS(-188.14) NS(-747.28) EW(273.69) TEMP(0.0)

#55 MD(5350.00) Inc(8.8) Azm(166.9) TVD(5269.48)  
VS(-190.35) NS(-761.55) EW(277.52) TEMP(0.0)

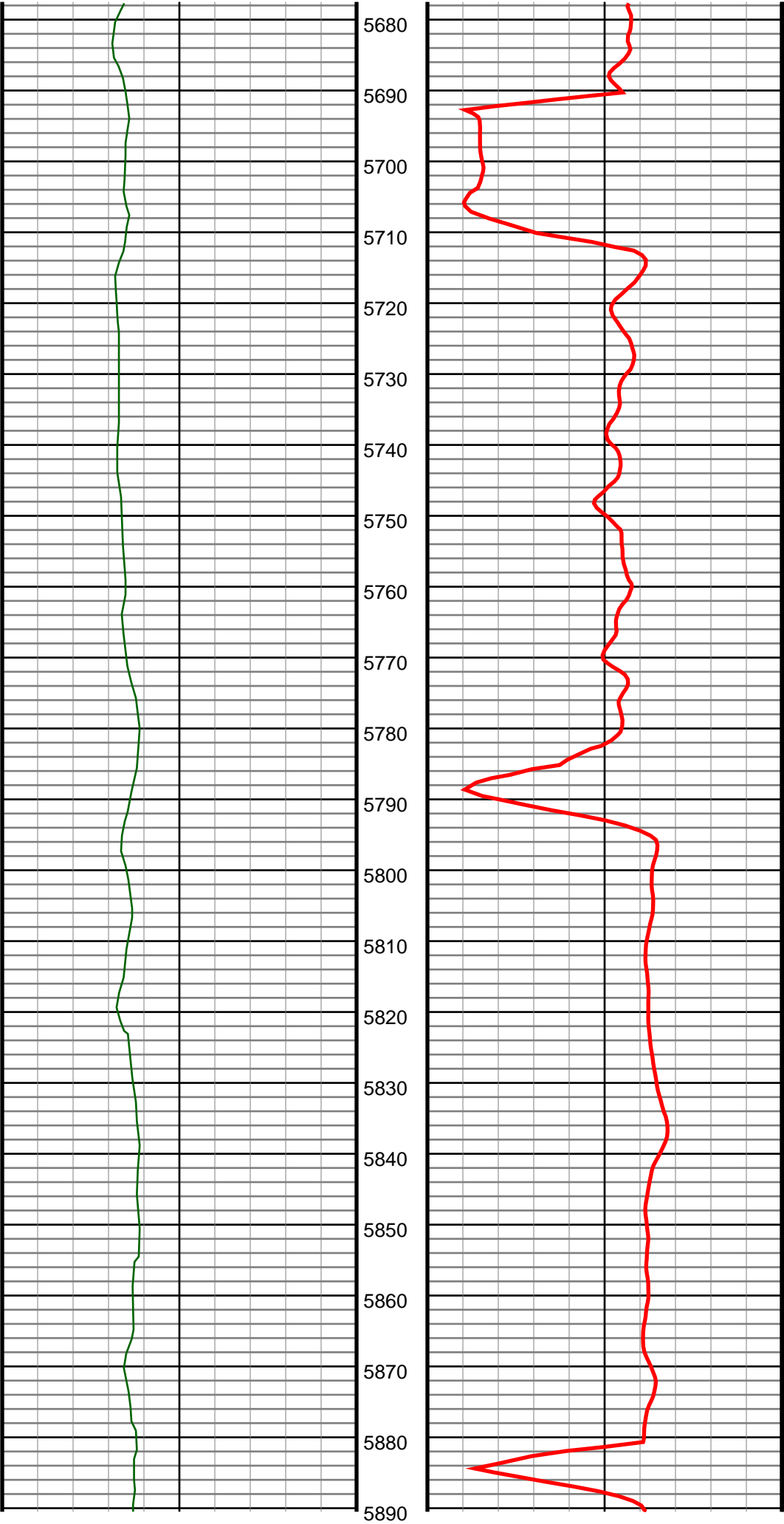
#56 MD(5445.00) Inc(8.8) Azm(163.8) TVD(5363.37)  
VS(-192.43) NS(-775.60) EW(281.19) TEMP(0.0)



#57 MD(5540.00) Inc(9.0) Azm(155.9) TVD(5457.23)  
VS(-195.91) NS(-789.36) EW(286.26) TEMP(0.0)

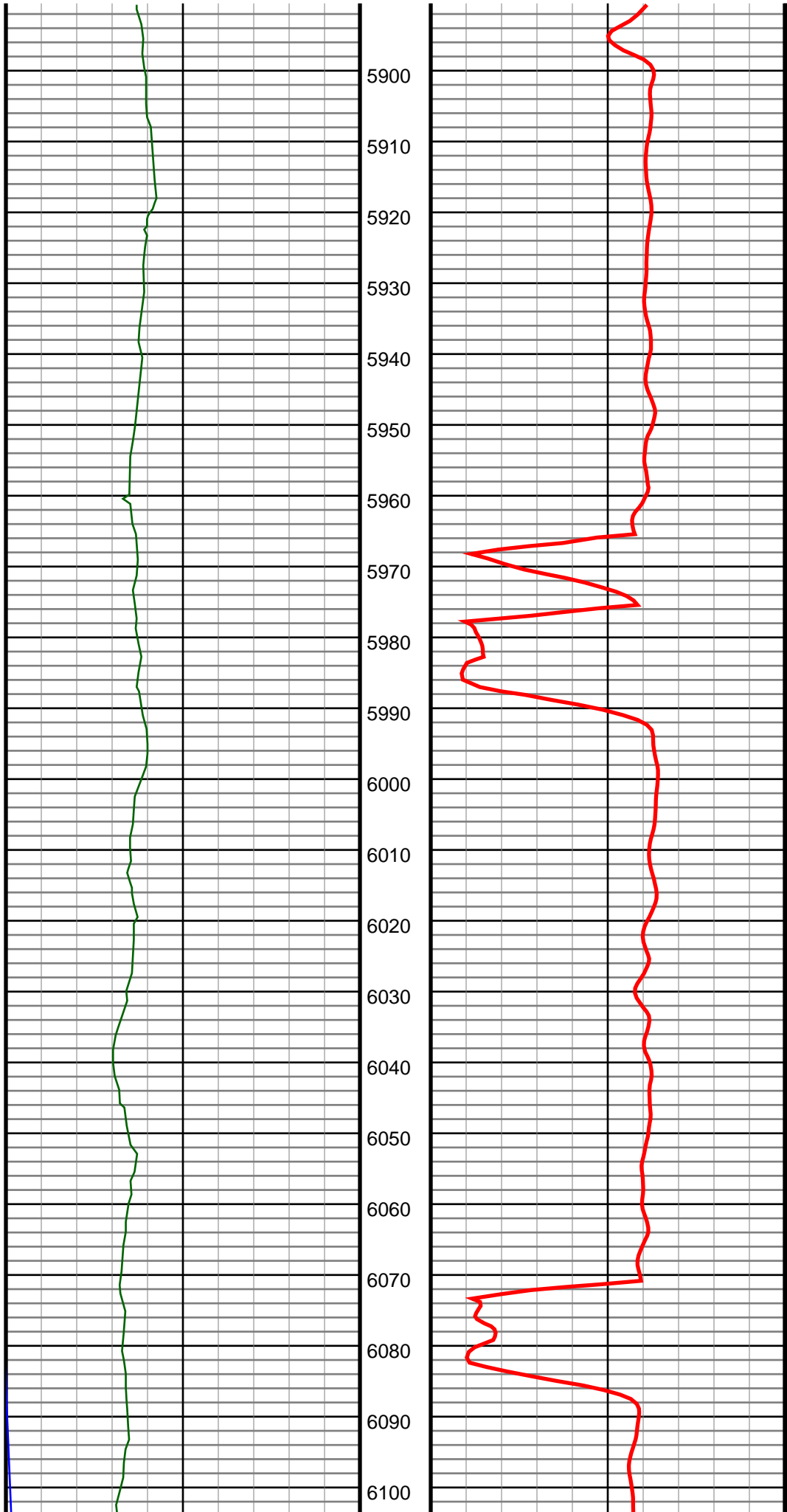
#58 MD(5635.00) Inc(8.4) Azm(147.3) TVD(5551.14)  
VS(-201.24) NS(-801.99) EW(293.04) TEMP(0.0)





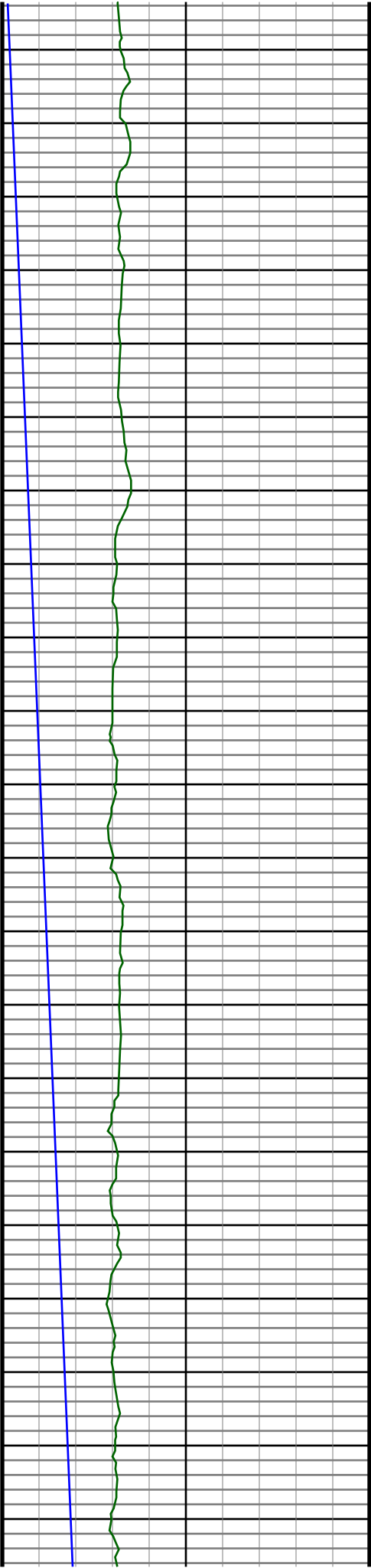
#59 MD(5730.00) Inc(7.8) Azm(144.4) TVD(5645.19)  
VS(-207.45) NS(-813.07) EW(300.54) TEMP(0.0)

#60 MD(5825.00) Inc(5.0) Azm(140.0) TVD(5739.59)  
VS(-212.88) NS(-821.48) EW(306.96) TEMP(0.0)

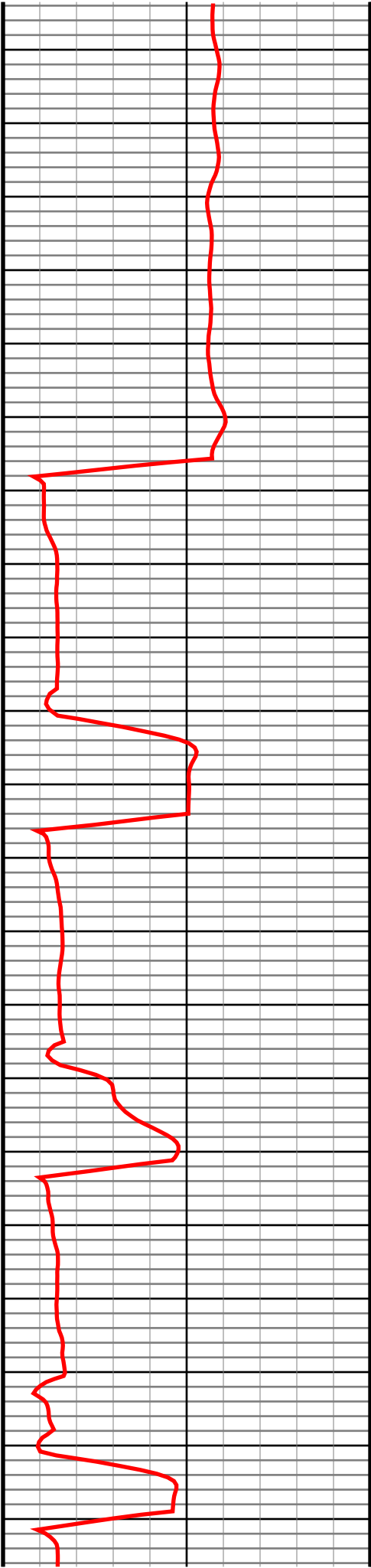


#61 MD(5920.00) Inc(3.6) Azm(138.1) TVD(5834.32)  
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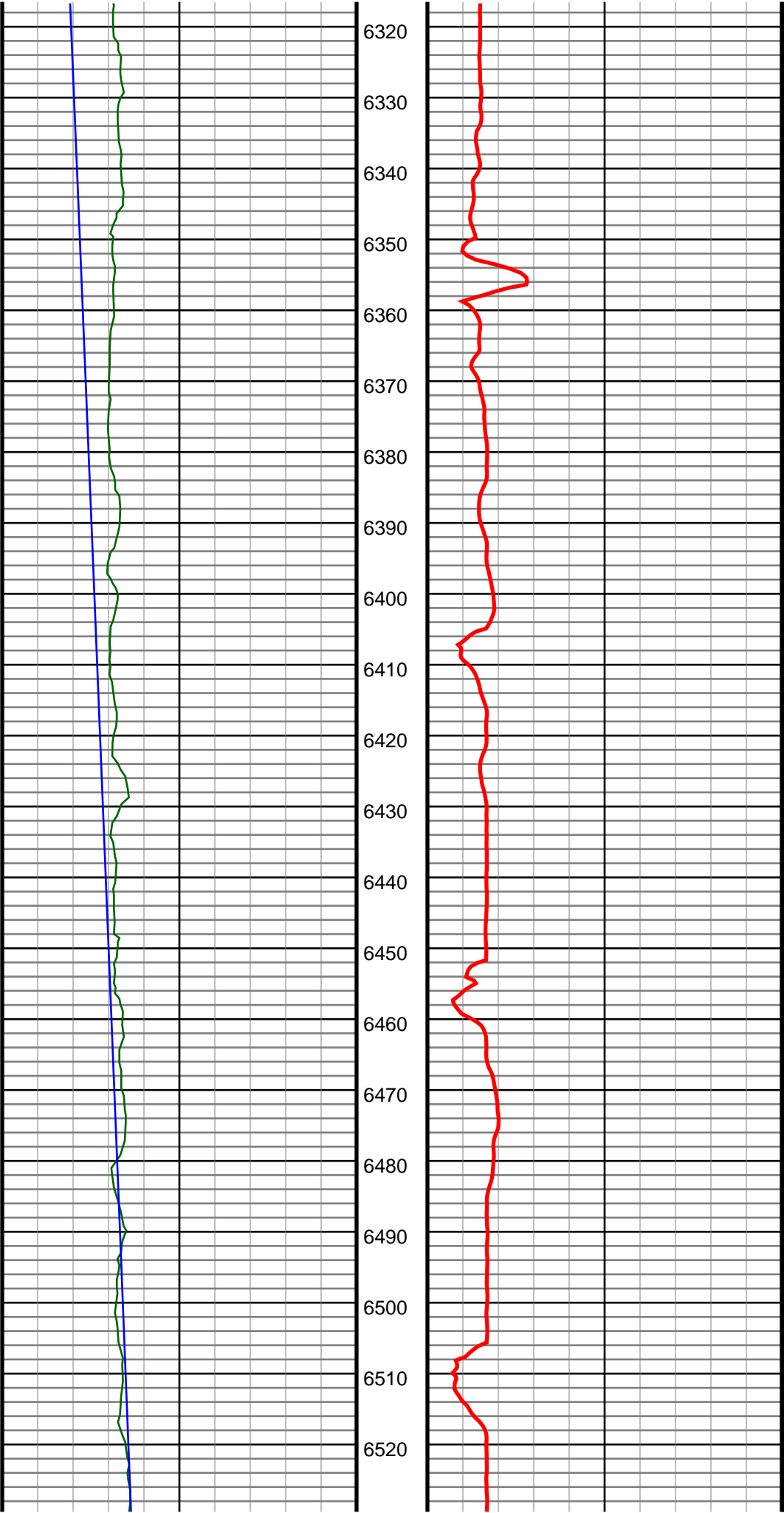
#62 MD(6015.00) Inc(1.5) Azm(158.9) TVD(5929.22)  
VS(-218.94) NS(-830.26) EW(314.05) TEMP(0.0)



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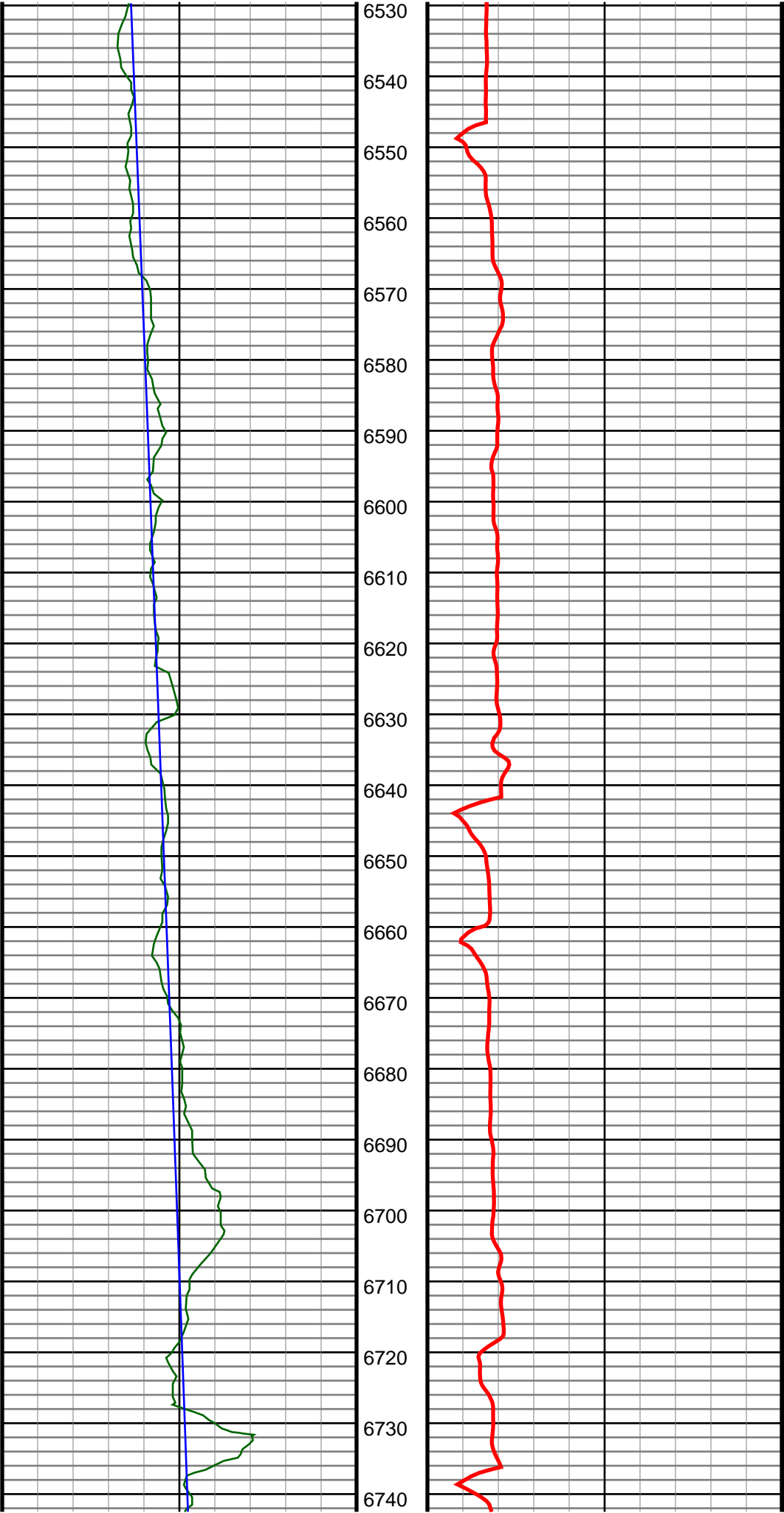
#63 MD(6111.00) Inc(1.1) Azm(147.1) TVD(6025.20) VS(-219.67) NS(-832.20) EW(315.00) TEMP(0.0)
#64 MD(6206.00) Inc(3.3) Azm(235.7) TVD(6120.14) VS(-217.66) NS(-834.51) EW(313.24) TEMP(0.0)
#65 MD(6254.00) Inc(5.4) Azm(257.3) TVD(6168.00) VS(-214.19) NS(-835.78) EW(309.89) TEMP(0.0)
#66 MD(6301.00) Inc(8.1) Azm(255.2) TVD(6214.67) VS(-208.72) NS(-837.12) EW(304.53) TEMP(0.0)



#67 MD(6349.00) Inc(10.6) Azm(263.4) TVD(6262.03)  
VS(-200.96) NS(-838.49) EW(296.88) TEMP(0.0)

#68 MD(6396.00) Inc(12.6) Azm(268.0) TVD(6308.07)  
VS(-191.52) NS(-839.16) EW(287.46) TEMP(0.0)

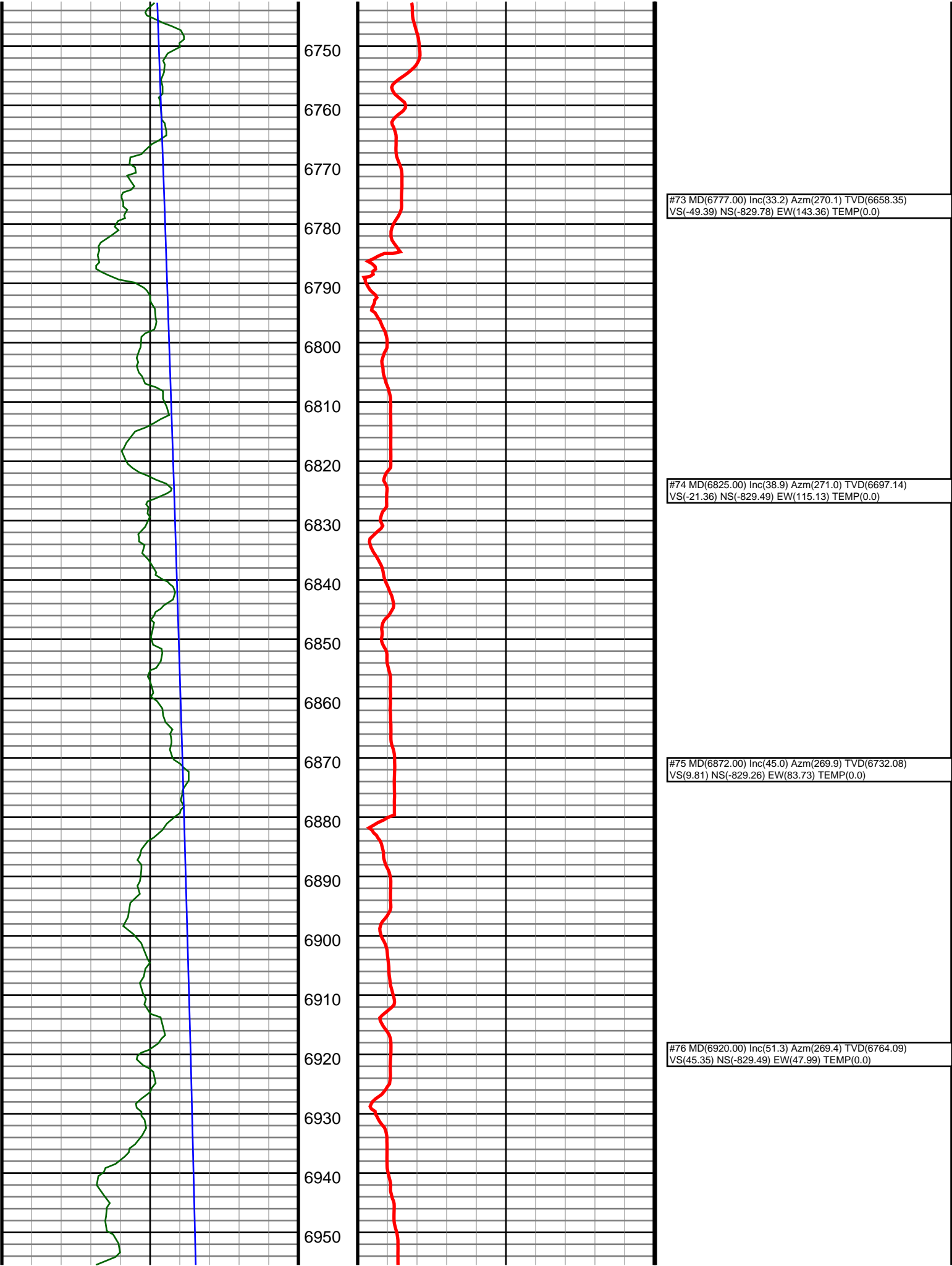
#69 MD(6492.00) Inc(17.1) Azm(274.7) TVD(6400.85)  
VS(-167.22) NS(-838.37) EW(262.91) TEMP(0.0)

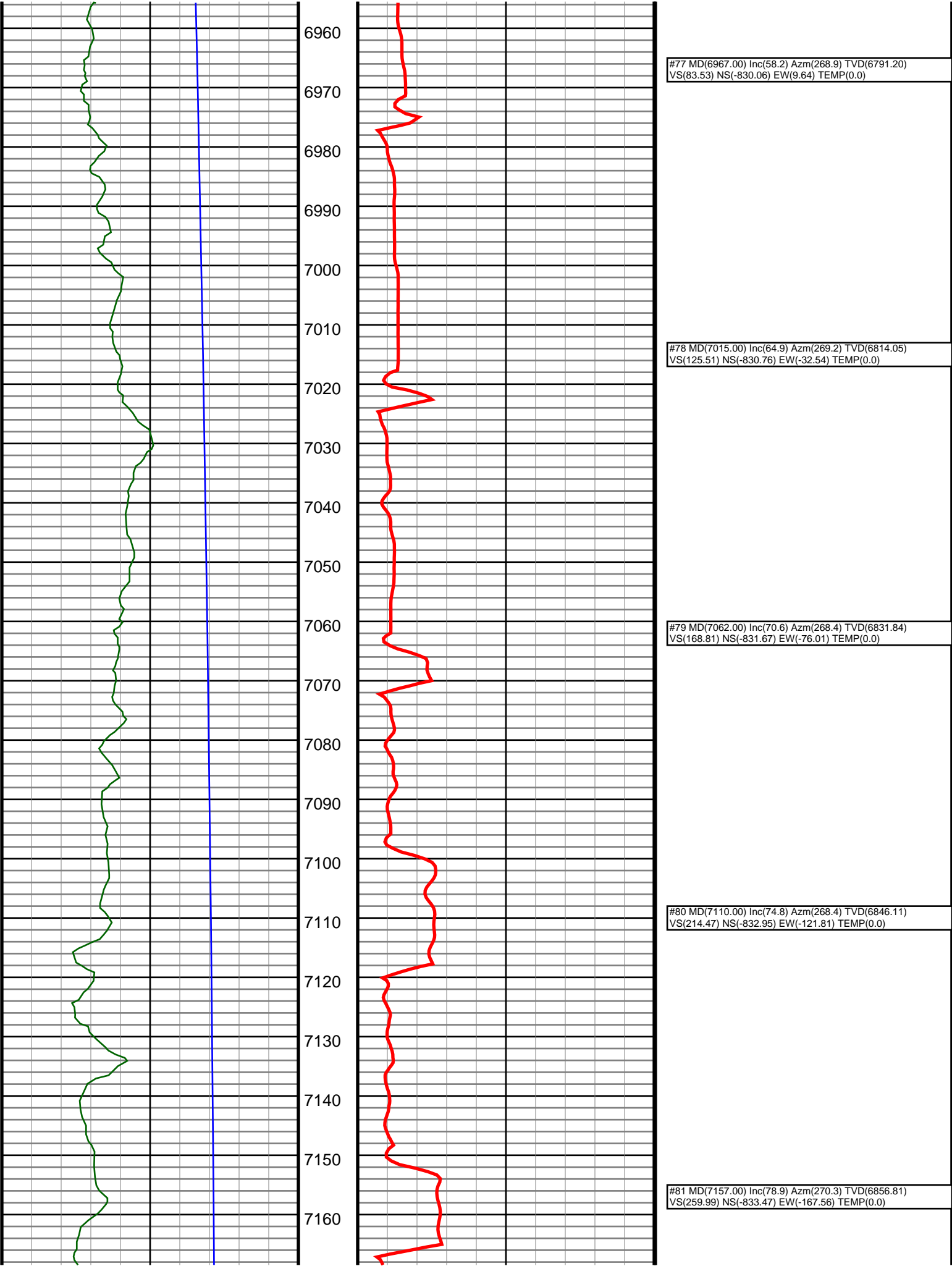


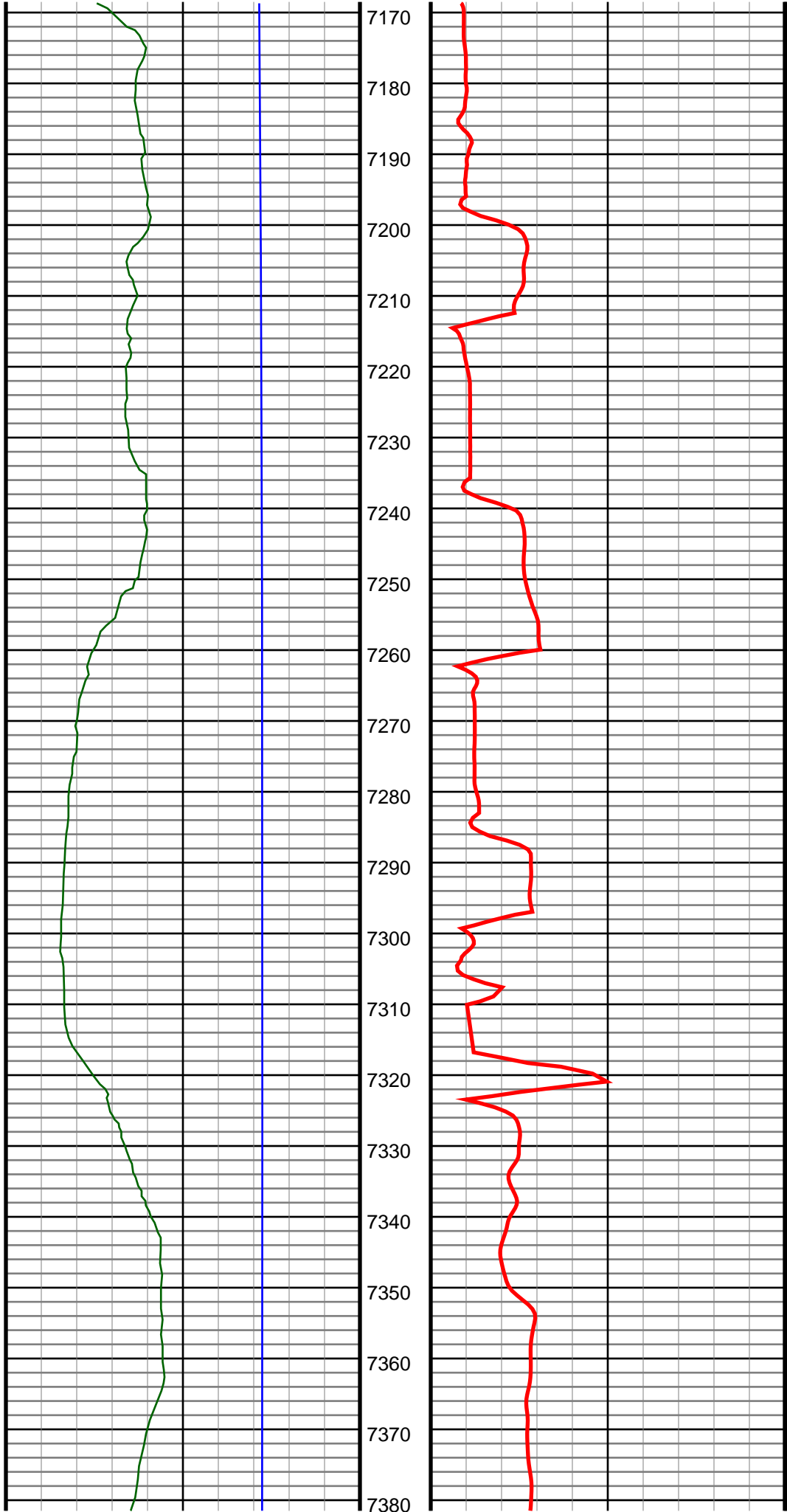
#70 MD(6586.00) Inc(22.0) Azm(276.5) TVD(6489.40)  
VS(-136.48) NS(-835.24) EW(231.63) TEMP(0.0)

#71 MD(6682.00) Inc(27.9) Azm(273.6) TVD(6576.41)  
VS(-96.80) NS(-831.80) EW(191.31) TEMP(0.0)

#72 MD(6730.00) Inc(30.2) Azm(273.1) TVD(6618.36)  
VS(-73.84) NS(-830.44) EW(168.04) TEMP(0.0)





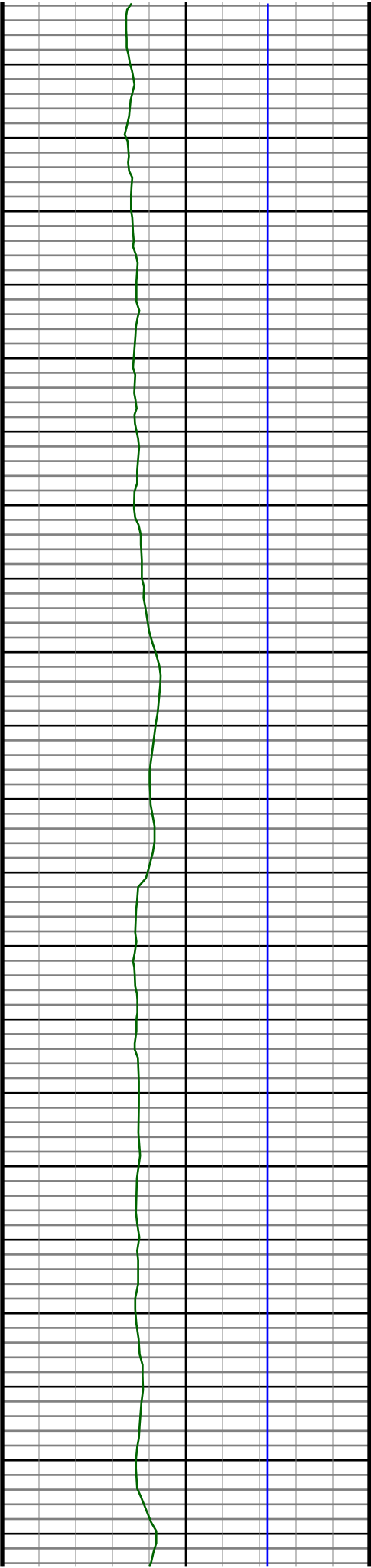


#82 MD(7205.00) Inc(83.3) Azm(272.1) TVD(6864.23)  
VS(306.98) NS(-832.47) EW(-214.96) TEMP(0.0)

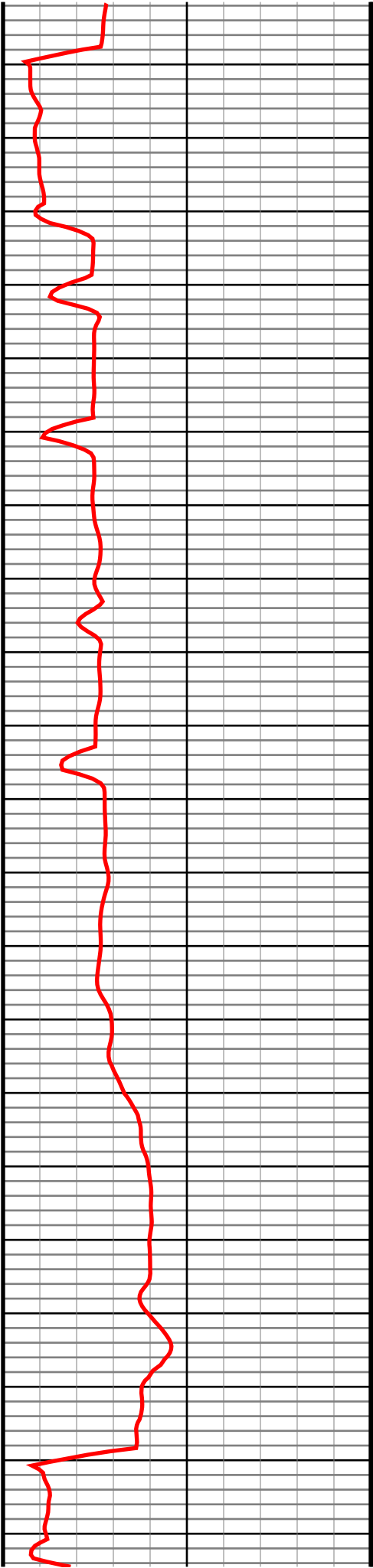
#83 MD(7252.00) Inc(87.0) Azm(271.4) TVD(6868.20)  
VS(353.32) NS(-831.04) EW(-261.76) TEMP(0.0)

#84 MD(7327.00) Inc(91.5) Azm(266.6) TVD(6869.19)  
VS(427.94) NS(-832.35) EW(-336.70) TEMP(0.0)



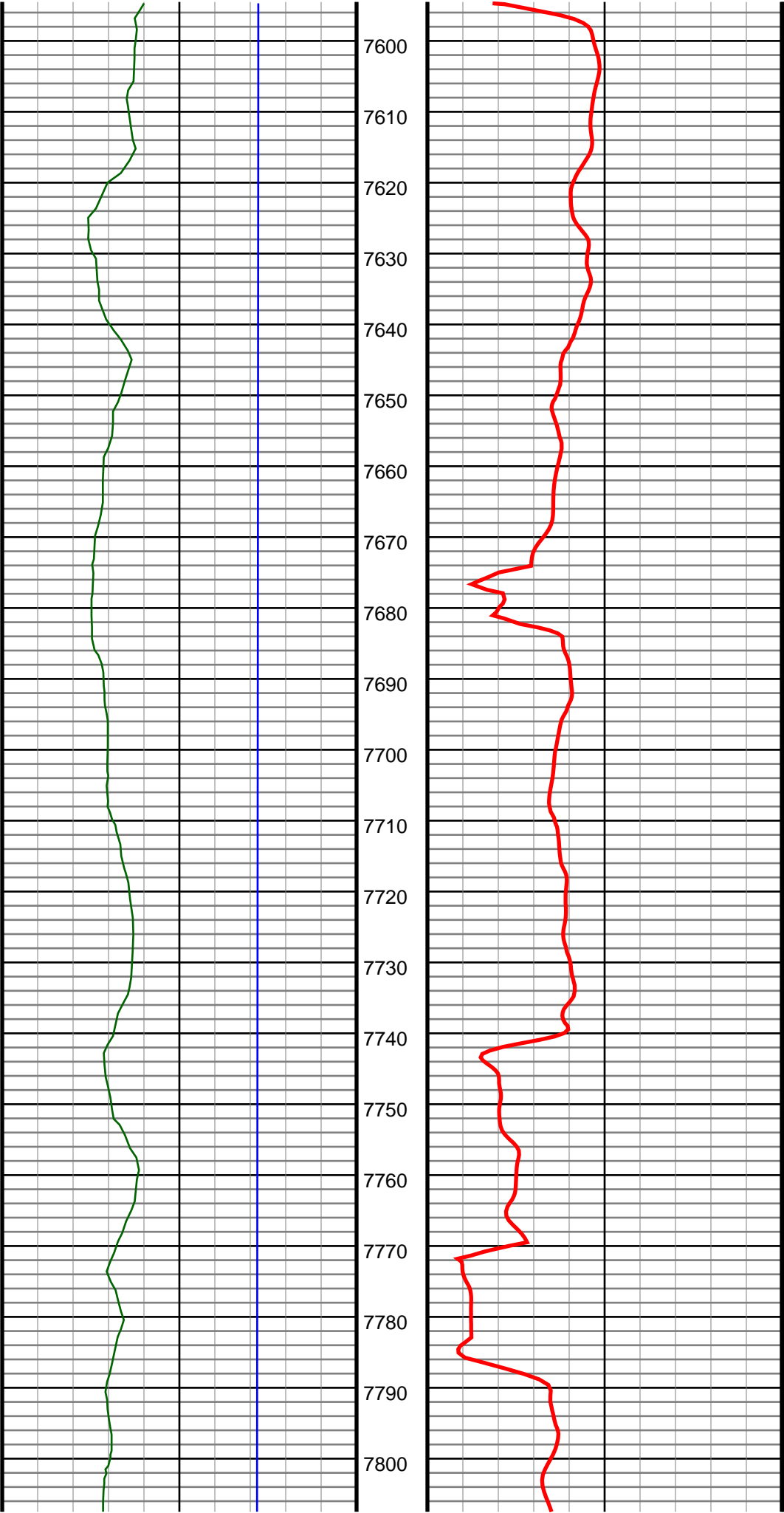


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#85 MD(7422.00) Inc(90.1) Azm(269.9) TVD(6867.86)  
VS(522.59) NS(-835.25) EW(-431.63) TEMP(0.0)

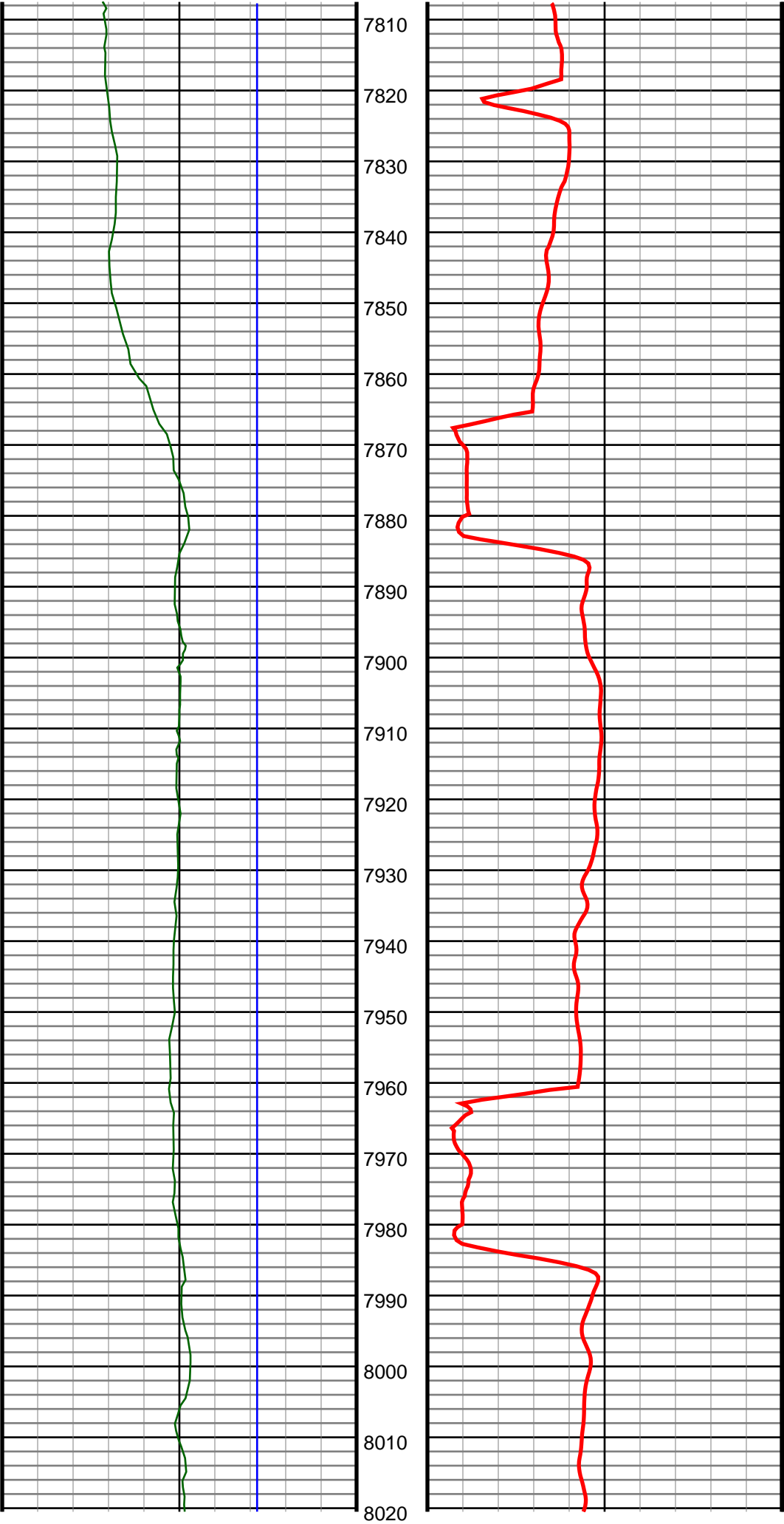
#86 MD(7517.00) Inc(90.0) Azm(269.1) TVD(6867.78)  
VS(617.08) NS(-836.08) EW(-526.63) TEMP(0.0)



#87 MD(7613.00) Inc(90.8) Azm(270.7) TVD(6867.11)  
VS(712.49) NS(-836.25) EW(-622.62) TEMP(0.0)

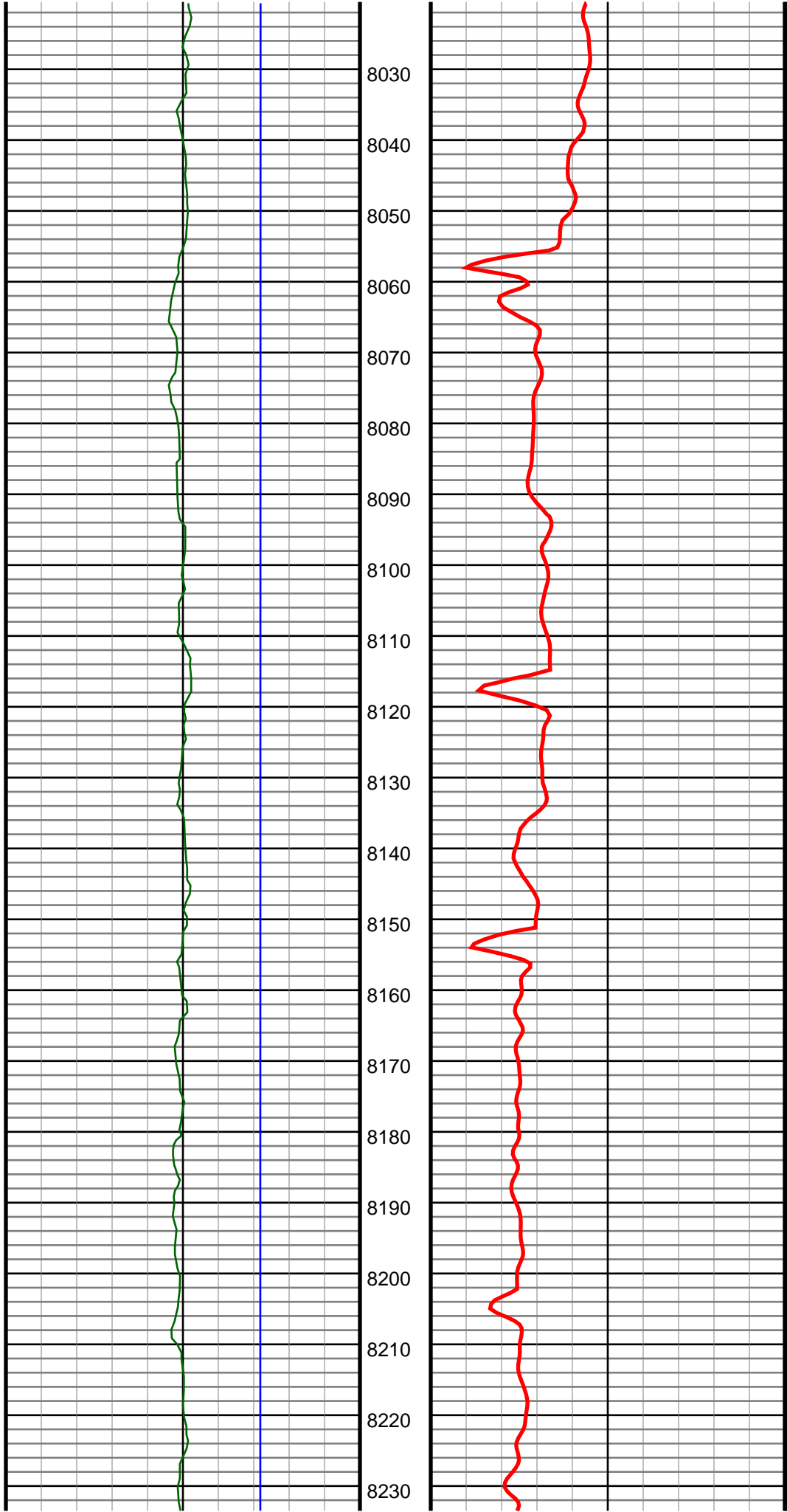
#88 MD(7708.00) Inc(91.6) Azm(270.1) TVD(6865.12)  
VS(806.79) NS(-835.58) EW(-717.60) TEMP(0.0)

#89 MD(7803.00) Inc(90.9) Azm(269.1) TVD(6863.04)  
VS(901.24) NS(-836.25) EW(-812.57) TEMP(0.0)



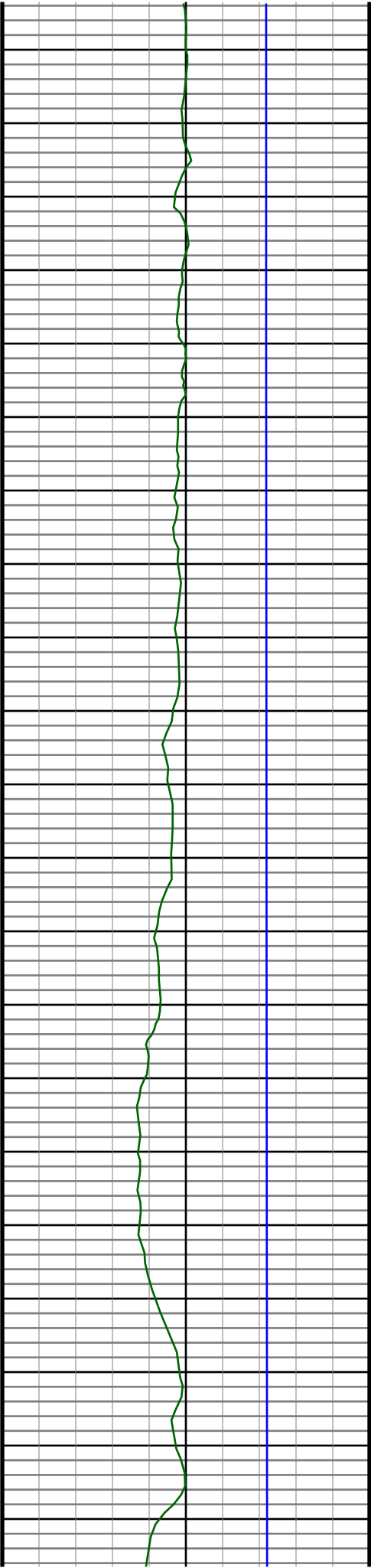
#90 MD(7899.00) Inc(89.3) Azm(268.0) TVD(6862.88)  
VS(996.87) NS(-838.68) EW(-908.54) TEMP(0.0)

#91 MD(7994.00) Inc(90.2) Azm(271.7) TVD(6863.29)  
VS(1091.28) NS(-838.92) EW(-1003.52) TEMP(0.0)

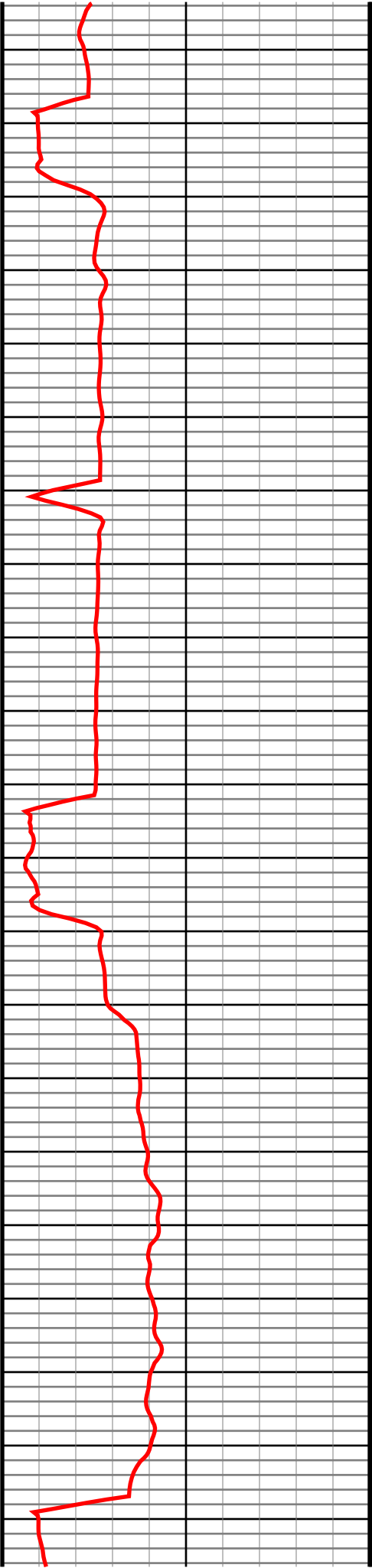


#92 MD(8089.00) Inc(90.4) Azm(271.2) TVD(6862.79)  
VS(1185.38) NS(-836.52) EW(-1098.49) TEMP(0.0)

#93 MD(8185.00) Inc(90.1) Azm(271.5) TVD(6862.38)  
VS(1280.49) NS(-834.26) EW(-1194.46) TEMP(0.0)

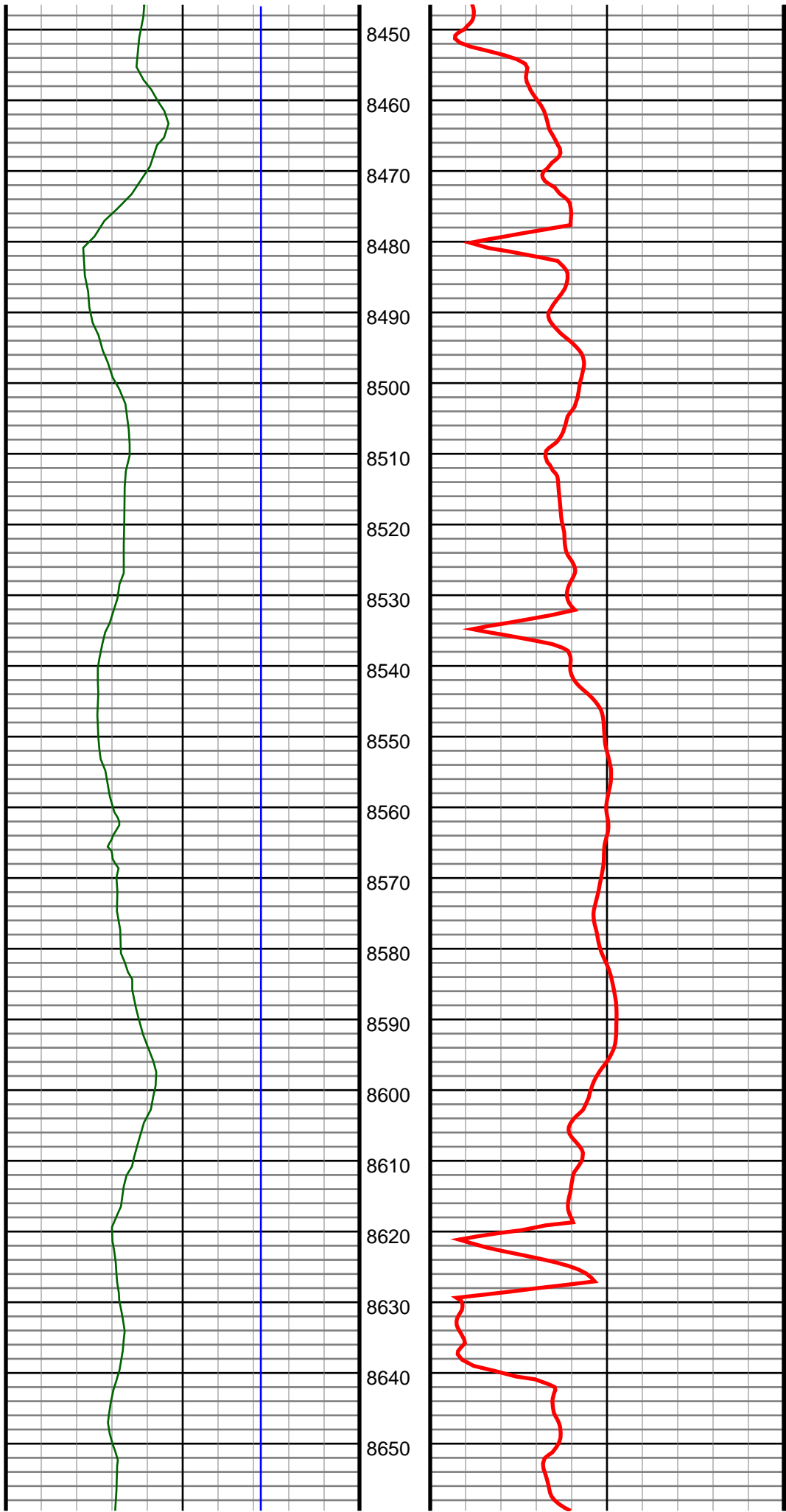


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#94 MD(8280.00) Inc(89.9) Azm(271.0) TVD(6862.38)  
VS(1374.64) NS(-832.19) EW(-1289.44) TEMP(0.0)

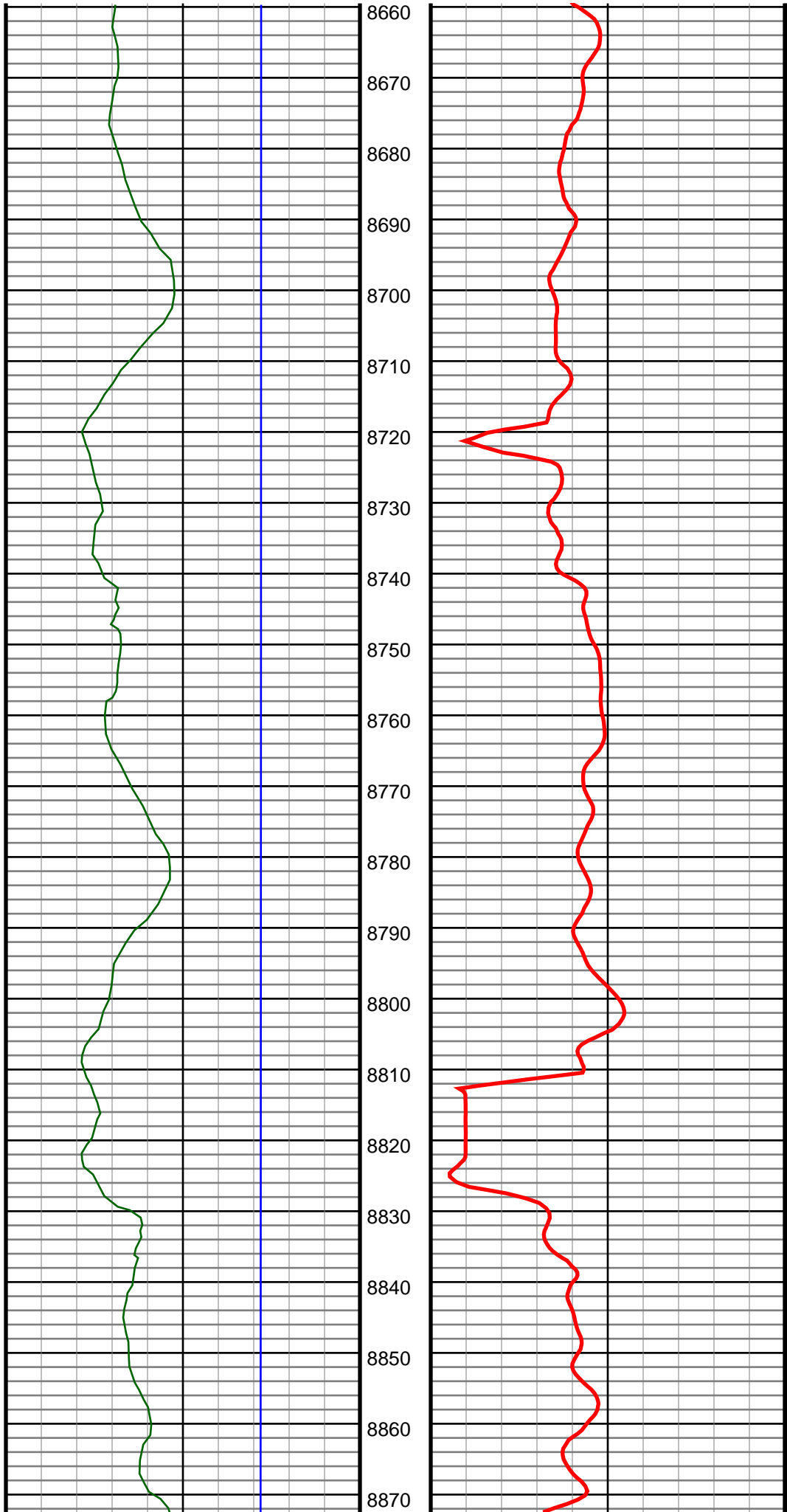
#95 MD(8374.00) Inc(88.2) Azm(268.7) TVD(6863.93)  
VS(1468.05) NS(-832.43) EW(-1383.41) TEMP(0.0)



#96 MD(8469.00) Inc(89.4) Azm(269.4) TVD(6865.92)  
VS(1562.59) NS(-834.01) EW(-1478.38) TEMP(0.0)

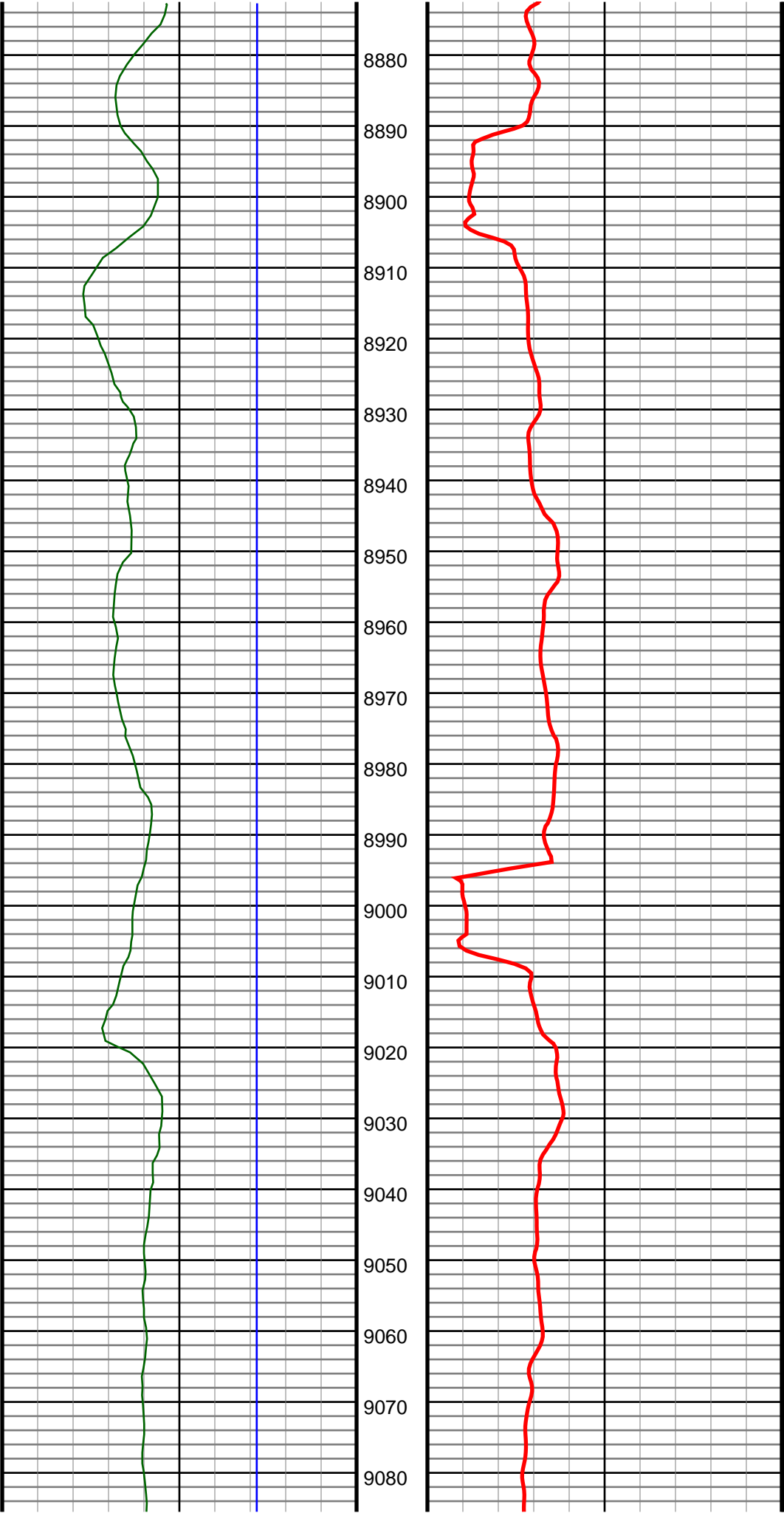
#97 MD(8564.00) Inc(90.8) Azm(269.2) TVD(6865.76)  
VS(1657.11) NS(-835.17) EW(-1573.37) TEMP(0.0)

#98 MD(8656.00) Inc(90.0) Azm(267.8) TVD(6865.12)  
VS(1748.77) NS(-837.58) EW(-1665.33) TEMP(0.0)



#99 MD(8748.00) Inc(90.6) Azm(267.1) TVD(6864.63)  
VS(1840.55) NS(-841.67) EW(-1757.24) TEMP(0.0)

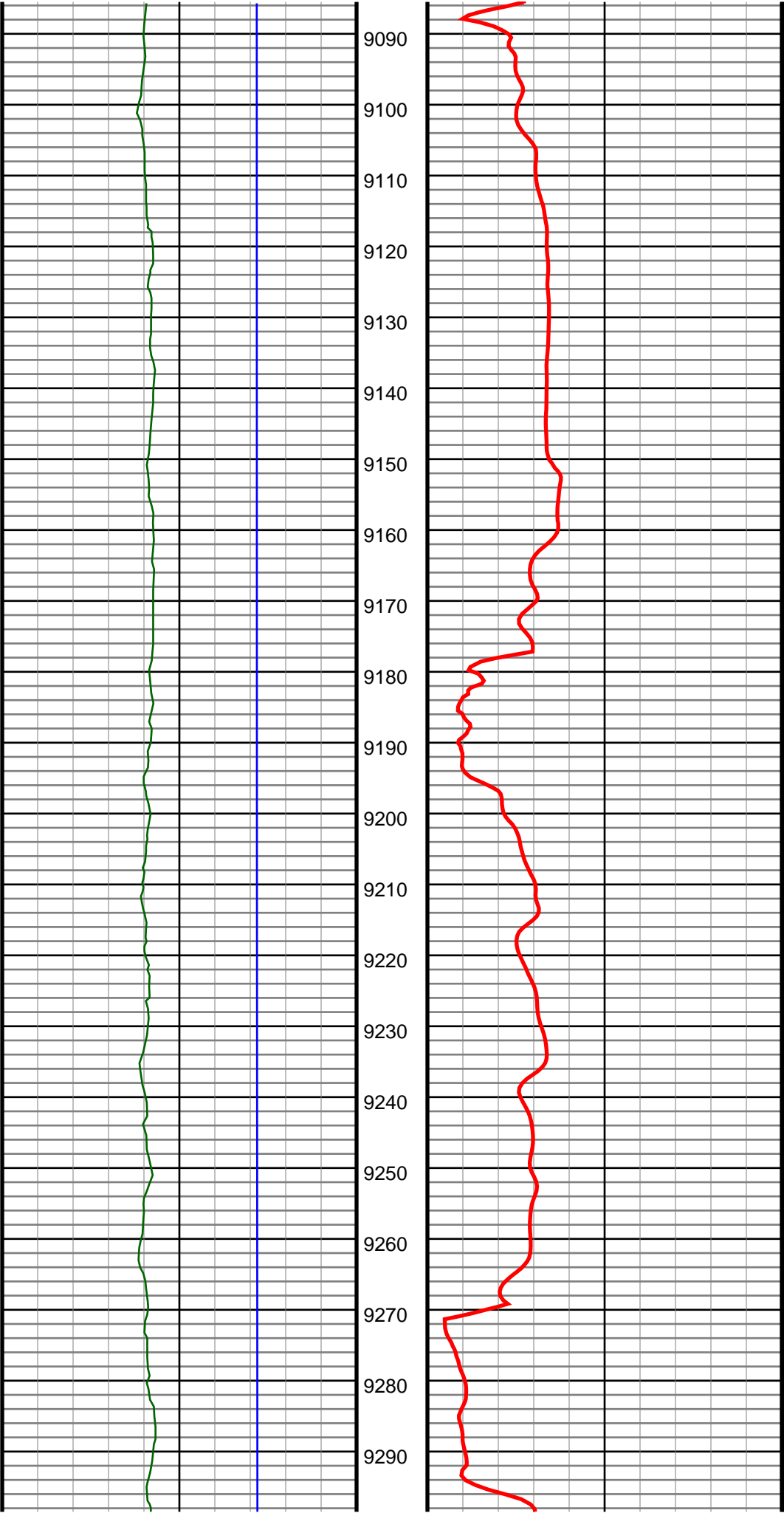
#100 MD(8840.00) Inc(90.6) Azm(268.4) TVD(6863.67)  
VS(1932.30) NS(-845.28) EW(-1849.16) TEMP(0.0)



#101 MD(8931.00) Inc(91.0) Azm(268.5) TVD(6862.40)  
VS(2022.96) NS(-847.74) EW(-1940.12) TEMP(0.0)

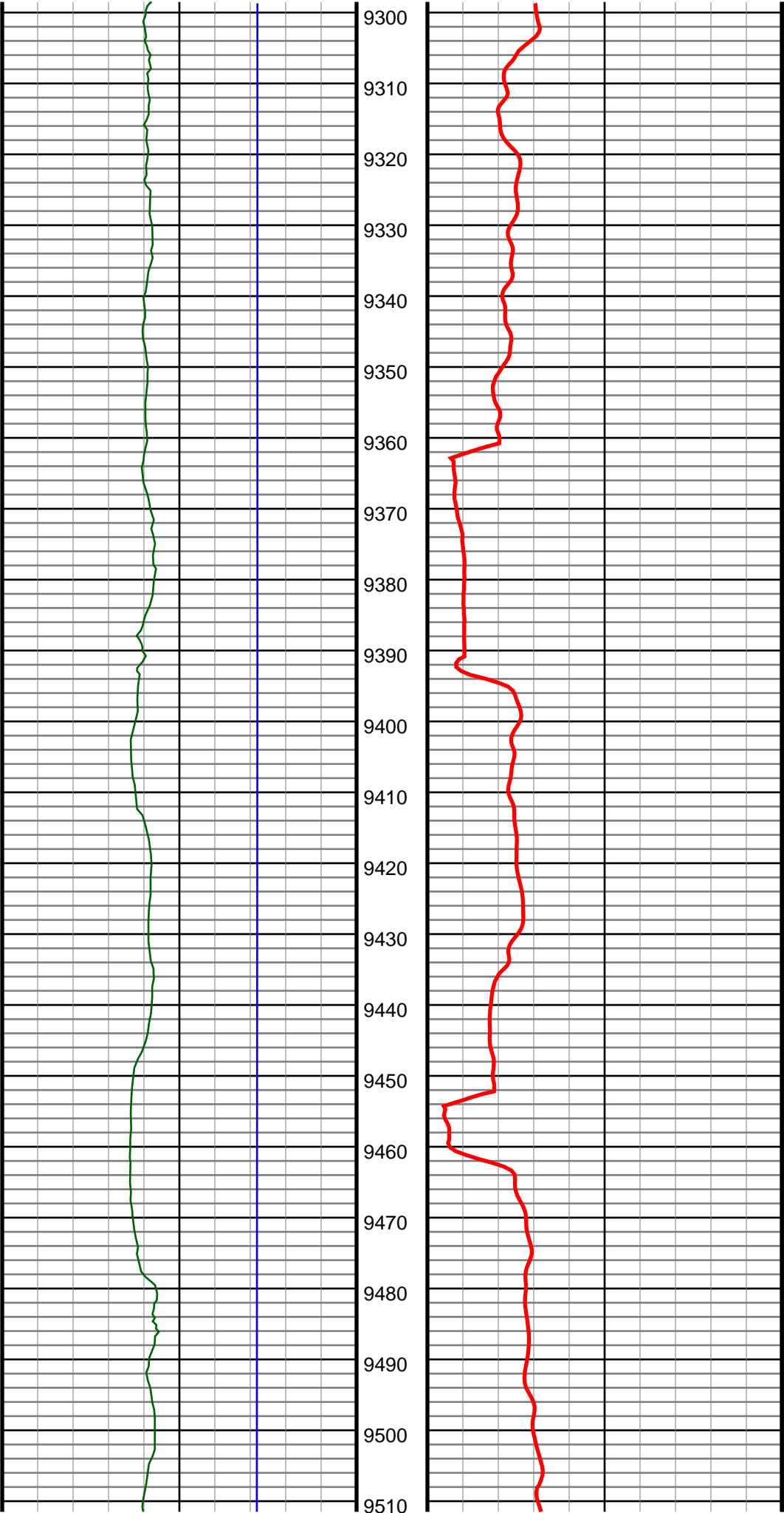
#102 MD(9023.00) Inc(89.7) Azm(268.5) TVD(6861.84)  
VS(2114.61) NS(-850.15) EW(-2032.08) TEMP(0.0)





#103 MD(9115.00) Inc(90.0) Azm(268.5) TVD(6862.08)  
VS(2206.27) NS(-852.56) EW(-2124.05) TEMP(0.0)

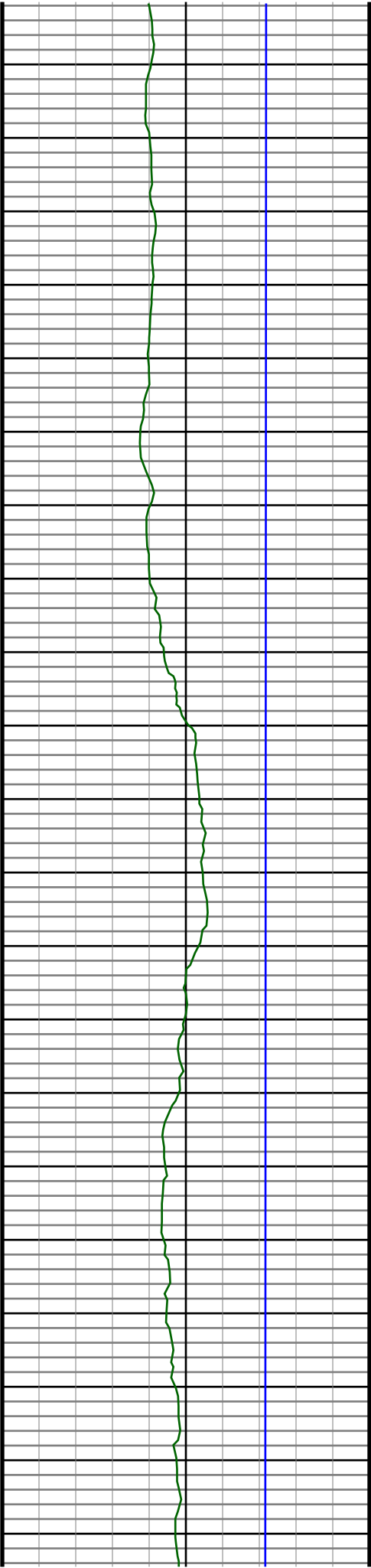
#104 MD(9207.00) Inc(89.4) Azm(265.7) TVD(6862.56)  
VS(2298.08) NS(-857.21) EW(-2215.92) TEMP(0.0)



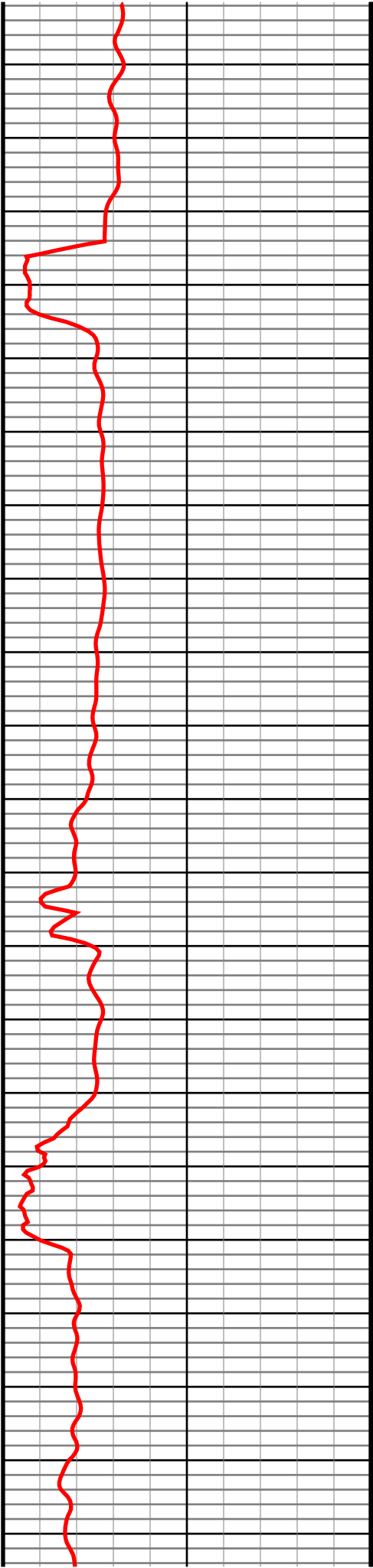
#105 MD(9299.00) Inc(88.6) Azm(266.4) TVD(6864.17)  
VS(2389.98) NS(-863.55) EW(-2307.69) TEMP(0.0)

#106 MD(9390.00) Inc(91.3) Azm(271.9) TVD(6864.25)  
VS(2480.51) NS(-864.90) EW(-2398.63) TEMP(0.0)

#107 MD(9482.00) Inc(90.7) Azm(272.6) TVD(6862.64)  
VS(2571.44) NS(-861.29) EW(-2490.55) TEMP(0.0)

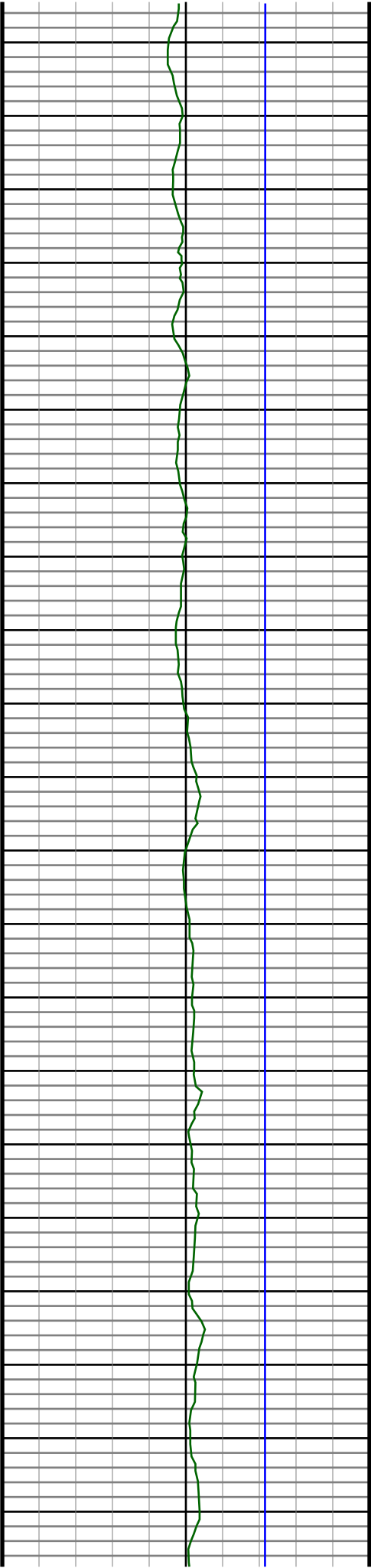


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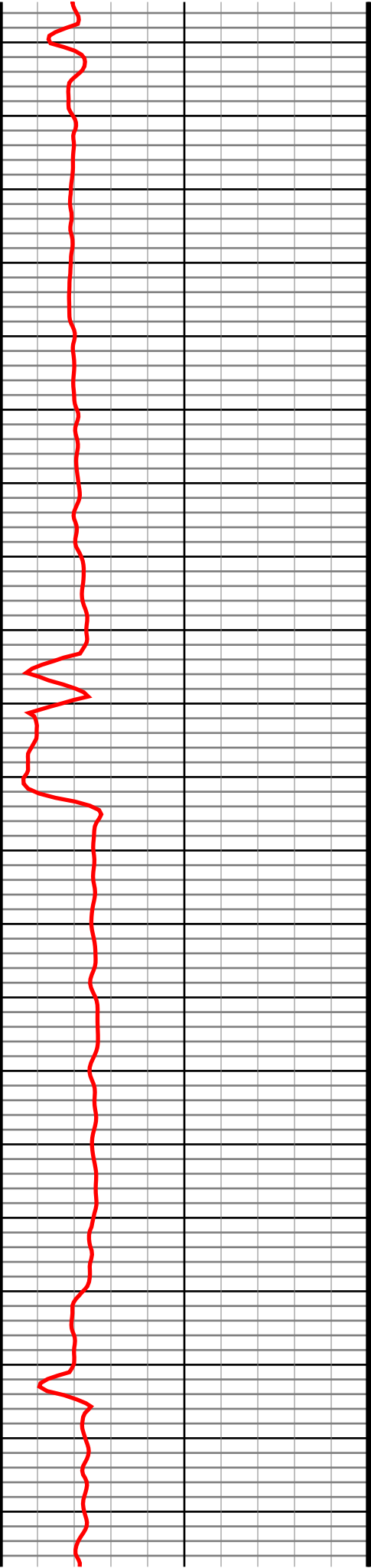


#108 MD(9574.00) Inc(90.8) Azm(271.5) TVD(6861.44)  
VS(2662.42) NS(-858.00) EW(-2582.48) TEMP(0.0)

#109 MD(9666.00) Inc(90.7) Azm(271.4) TVD(6860.23)  
VS(2753.54) NS(-855.67) EW(-2674.44) TEMP(0.0)

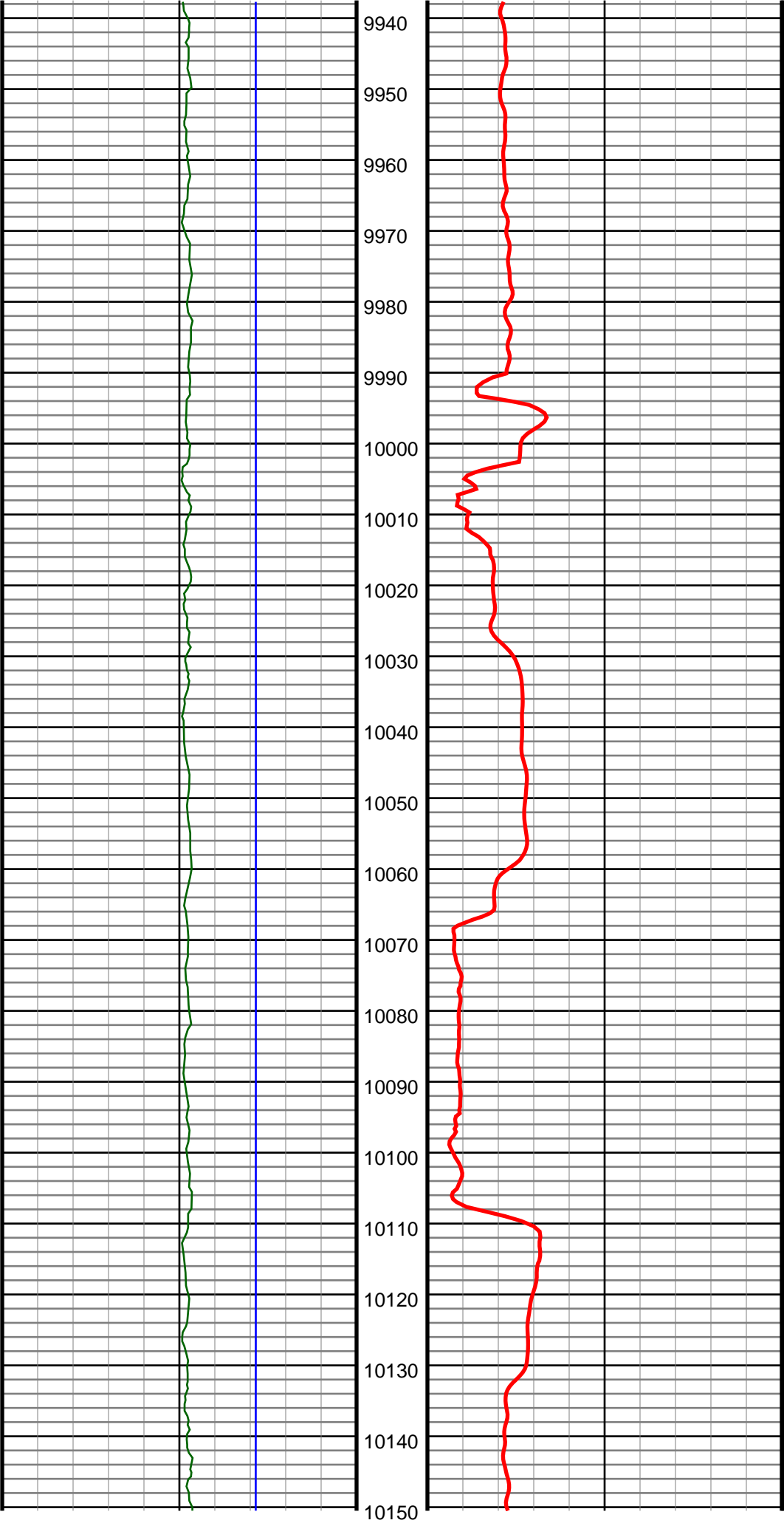


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#110 MD(9758.00) Inc(90.7) Azm(270.7) TVD(6859.11)  
VS(2844.75) NS(-853.98) EW(-2766.42) TEMP(0.0)

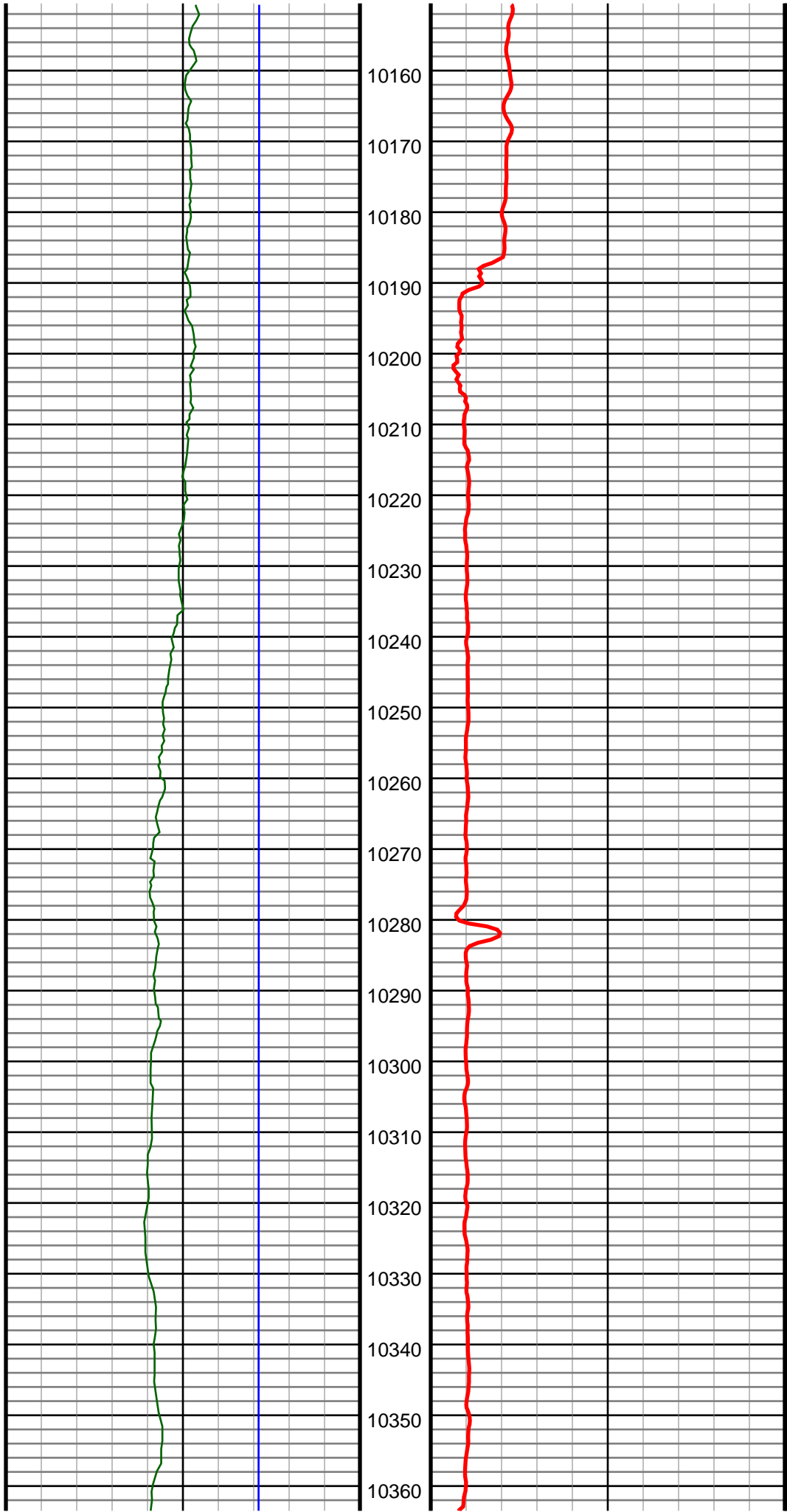
#111 MD(9849.00) Inc(90.0) Azm(271.9) TVD(6858.55)  
VS(2934.91) NS(-851.92) EW(-2857.39) TEMP(0.0)



#112 MD(9941.00) Inc(89.9) Azm(271.4) TVD(6858.63)  
VS(3026.00) NS(-849.27) EW(-2949.35) TEMP(0.0)

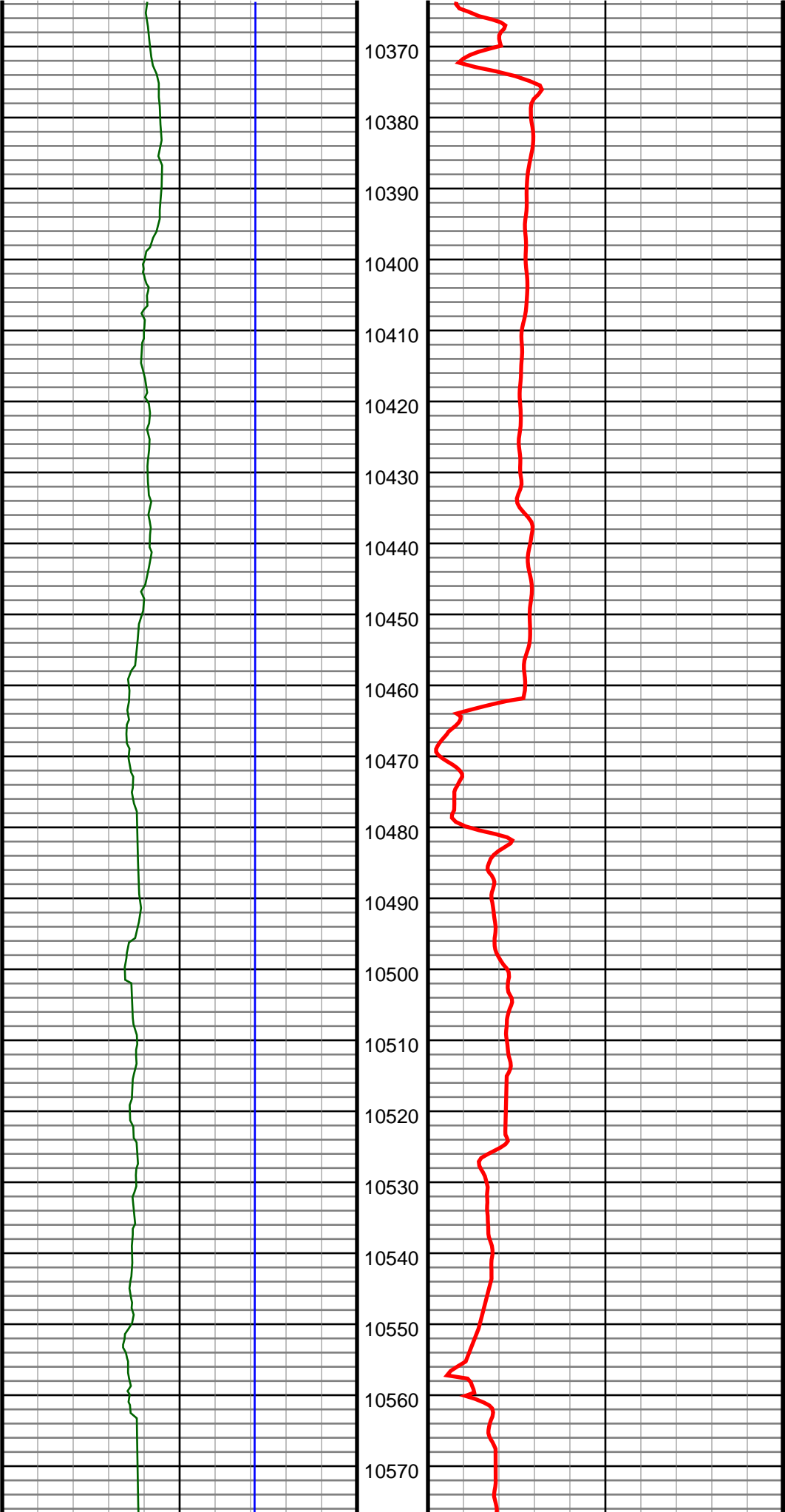
#113 MD(10033.00) Inc(89.6) Azm(271.0) TVD(6859.03)  
VS(3117.18) NS(-847.34) EW(-3041.33) TEMP(0.0)

#114 MD(10124.00) Inc(90.7) Azm(272.2) TVD(6858.79)  
VS(3207.28) NS(-844.80) EW(-3132.29) TEMP(0.0)



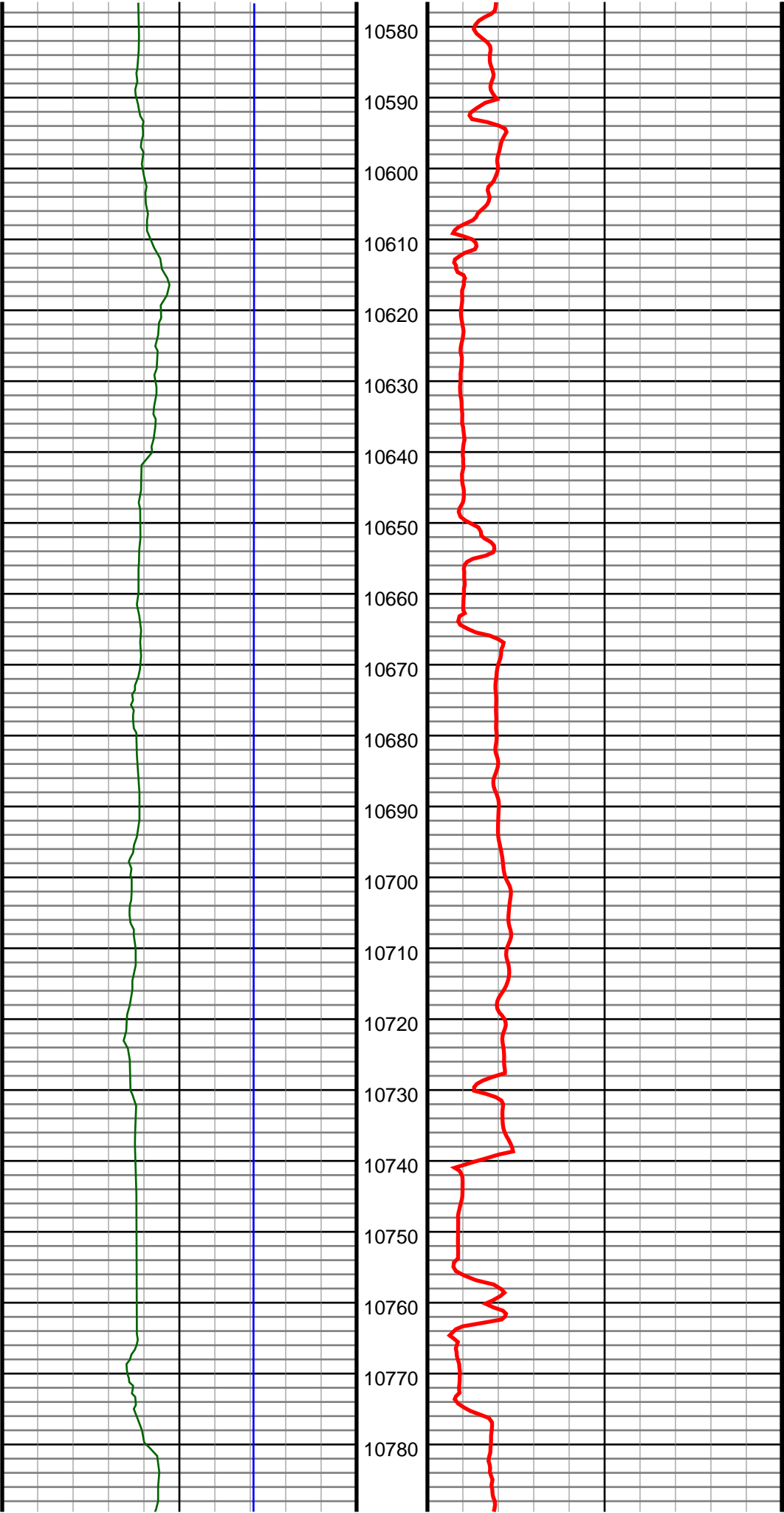
#115 MD(10216.00) Inc(90.6) Azm(272.2) TVD(6857.75)  
VS(3298.23) NS(-841.27) EW(-3224.22) TEMP(0.0)

#116 MD(10308.00) Inc(90.6) Azm(271.5) TVD(6856.79)  
VS(3389.27) NS(-838.30) EW(-3316.17) TEMP(0.0)



#117 MD(10400.00) Inc(90.2) Azm(270.7) TVD(6856.15)  
VS(3480.47) NS(-836.53) EW(-3408.15) TEMP(0.0)

#118 MD(10492.00) Inc(91.1) Azm(271.7) TVD(6855.10)  
VS(3571.64) NS(-834.61) EW(-3500.12) TEMP(0.0)

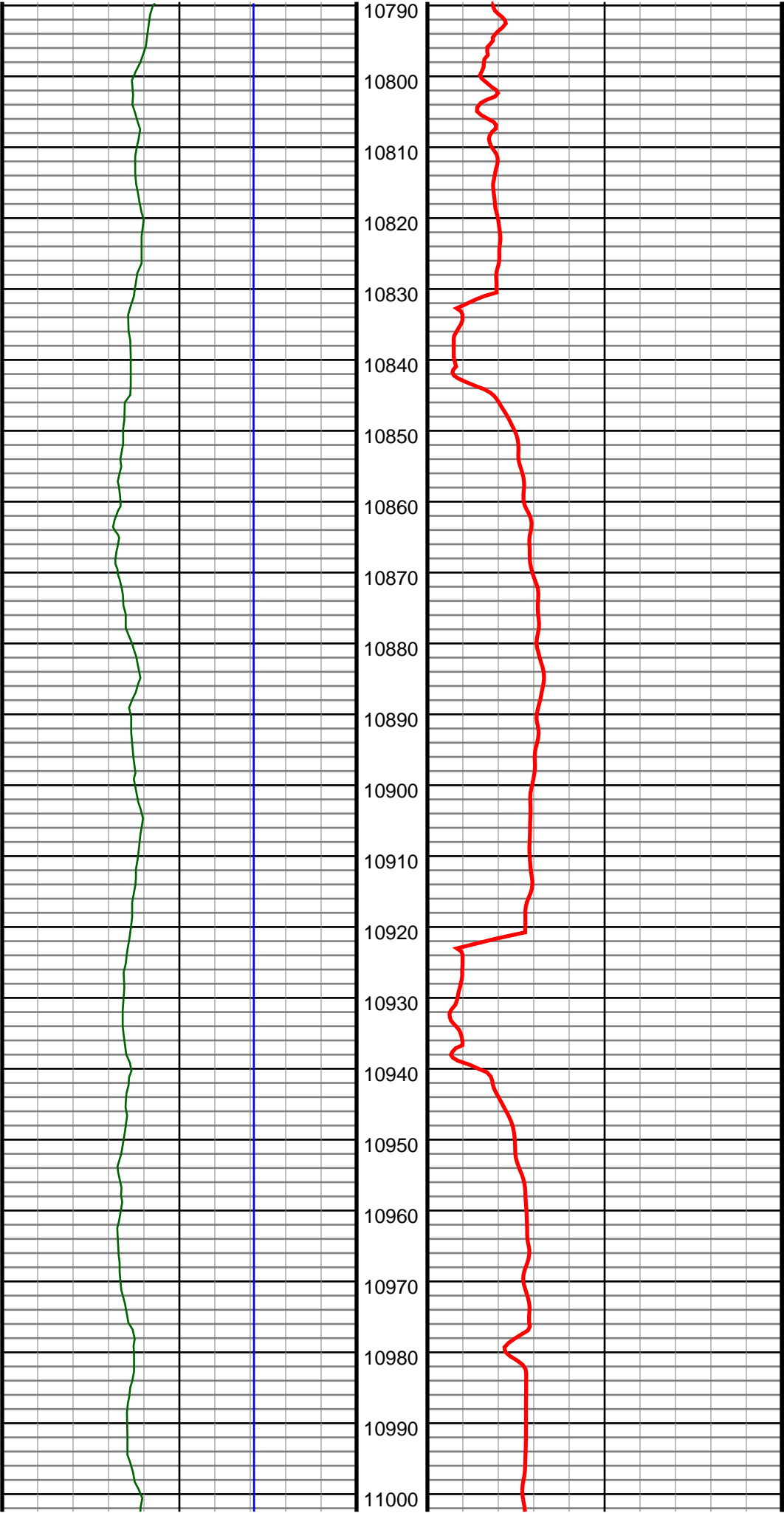


#119 MD(10584.00) Inc(91.0) Azm(271.7) TVD(6853.42)  
VS(3662.70) NS(-831.88) EW(-3592.06) TEMP(0.0)

#120 MD(10675.00) Inc(90.9) Azm(271.0) TVD(6851.91)  
VS(3752.85) NS(-829.73) EW(-3683.02) TEMP(0.0)

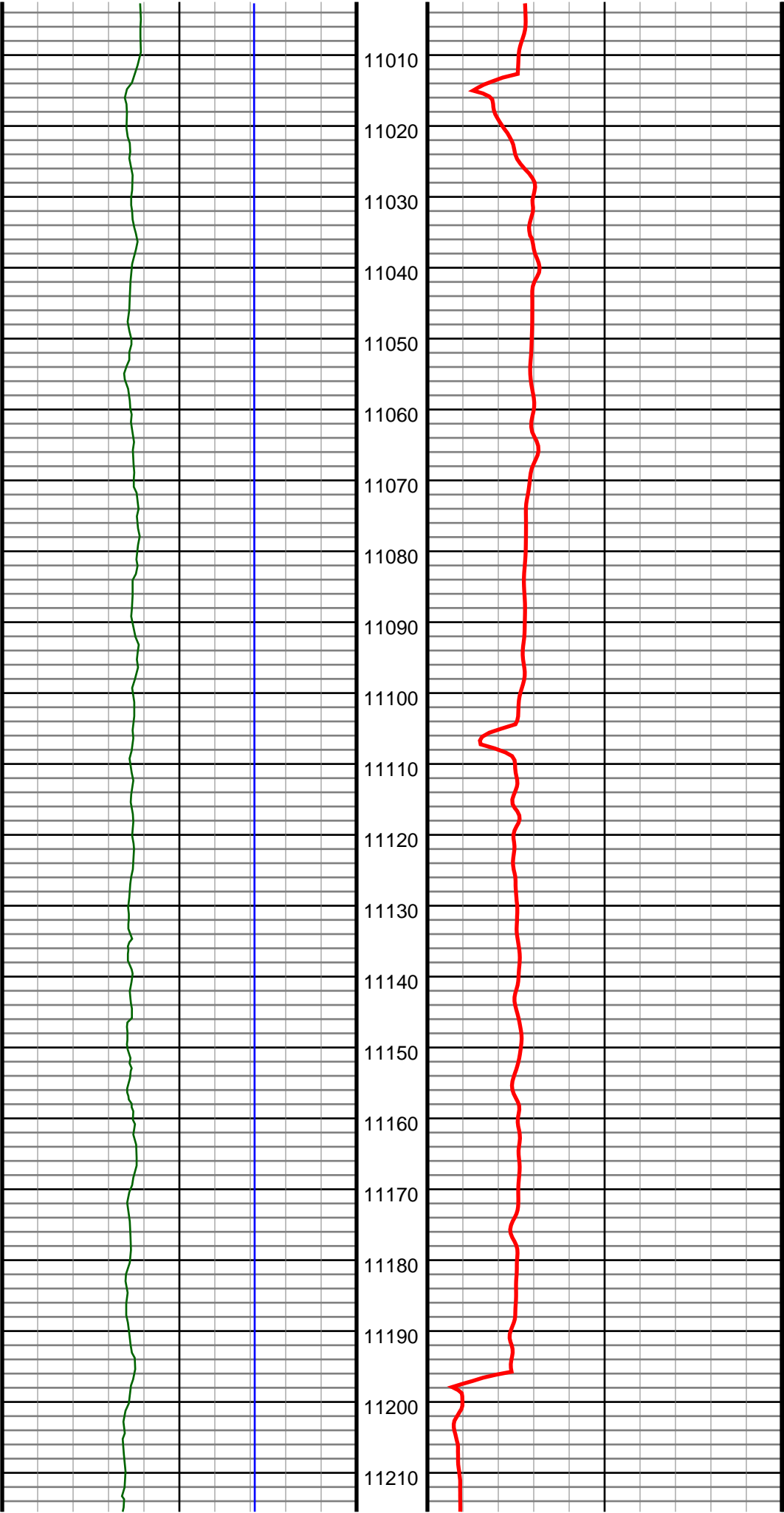
#121 MD(10767.00) Inc(90.3) Azm(271.7) TVD(6850.94)  
VS(3843.99) NS(-827.57) EW(-3774.99) TEMP(0.0)





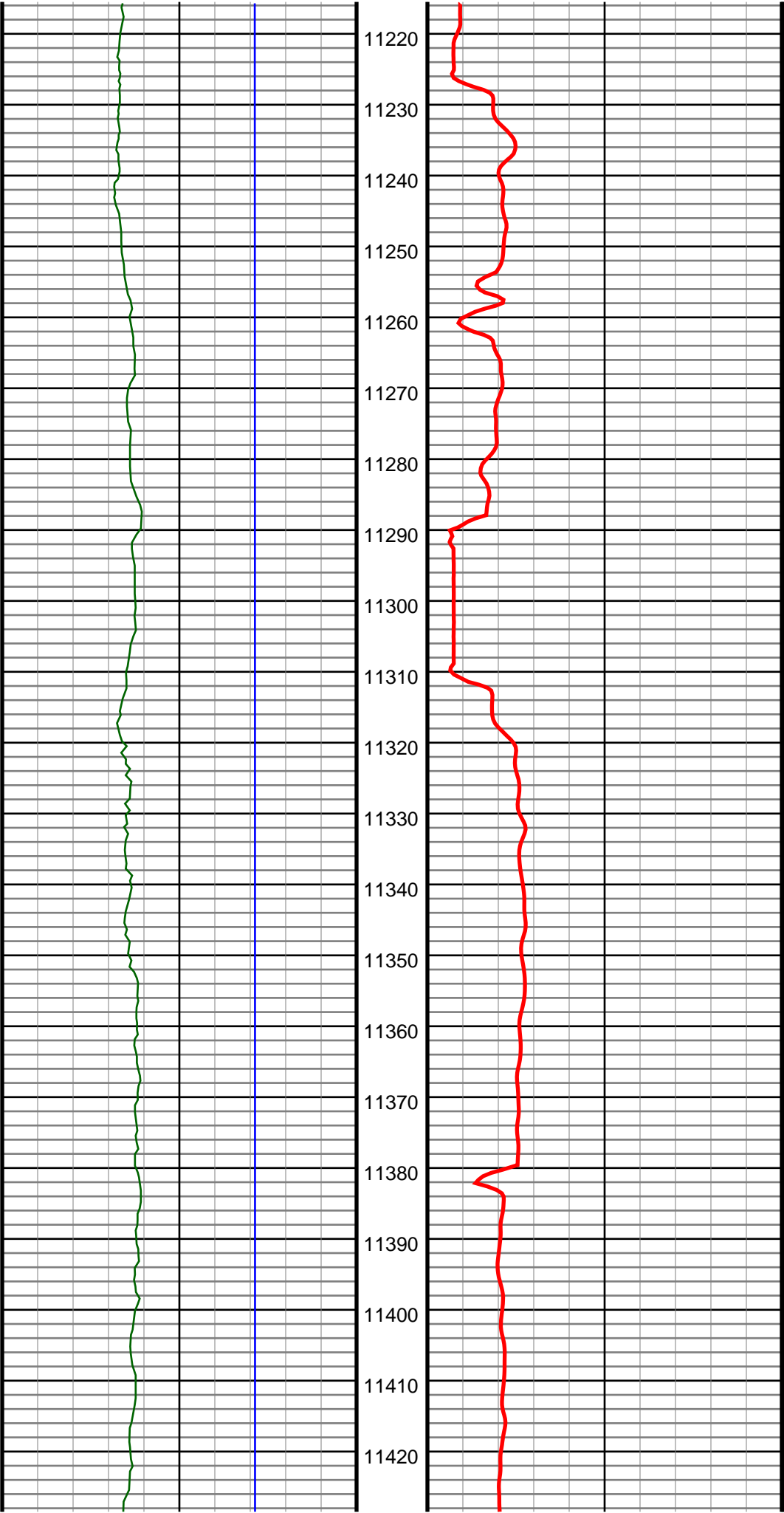
#122 MD(10859.00) Inc(89.3) Azm(271.4) TVD(6851.26)  
VS(3935.10) NS(-825.08) EW(-3866.96) TEMP(0.0)

#123 MD(10951.00) Inc(89.4) Azm(272.8) TVD(6852.31)  
VS(4026.07) NS(-821.71) EW(-3958.89) TEMP(0.0)



#124 MD(11043.00) Inc(89.3) Azm(272.9) TVD(6853.35)  
VS(4116.86) NS(-817.13) EW(-4050.77) TEMP(0.0)

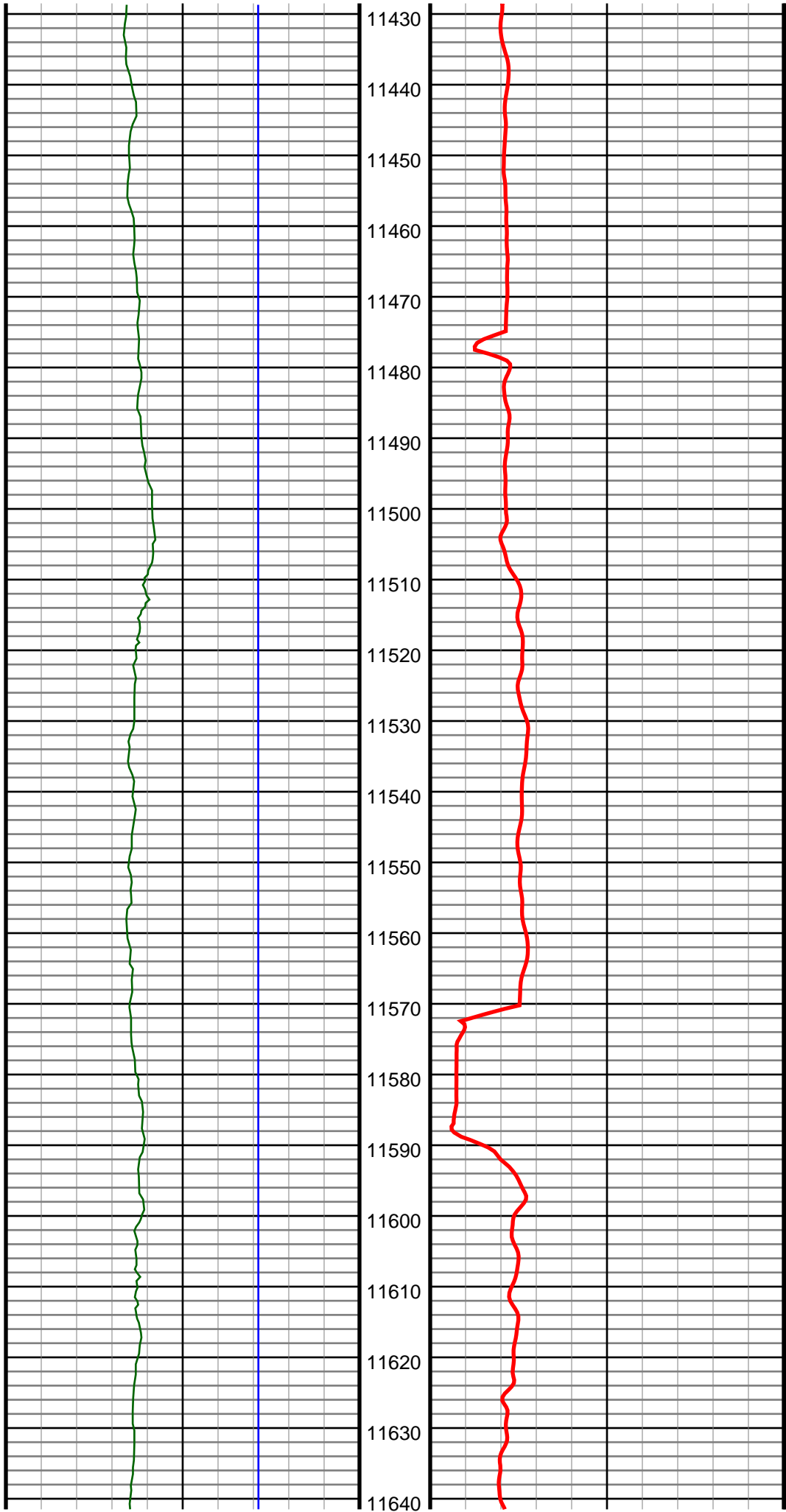
#125 MD(11135.00) Inc(89.4) Azm(274.5) TVD(6854.40)  
VS(4207.41) NS(-811.20) EW(-4142.57) TEMP(0.0)



#126 MD(11226.00) Inc(89.4) Azm(271.7) TVD(6855.35)  
VS(4297.14) NS(-806.28) EW(-4233.42) TEMP(0.0)

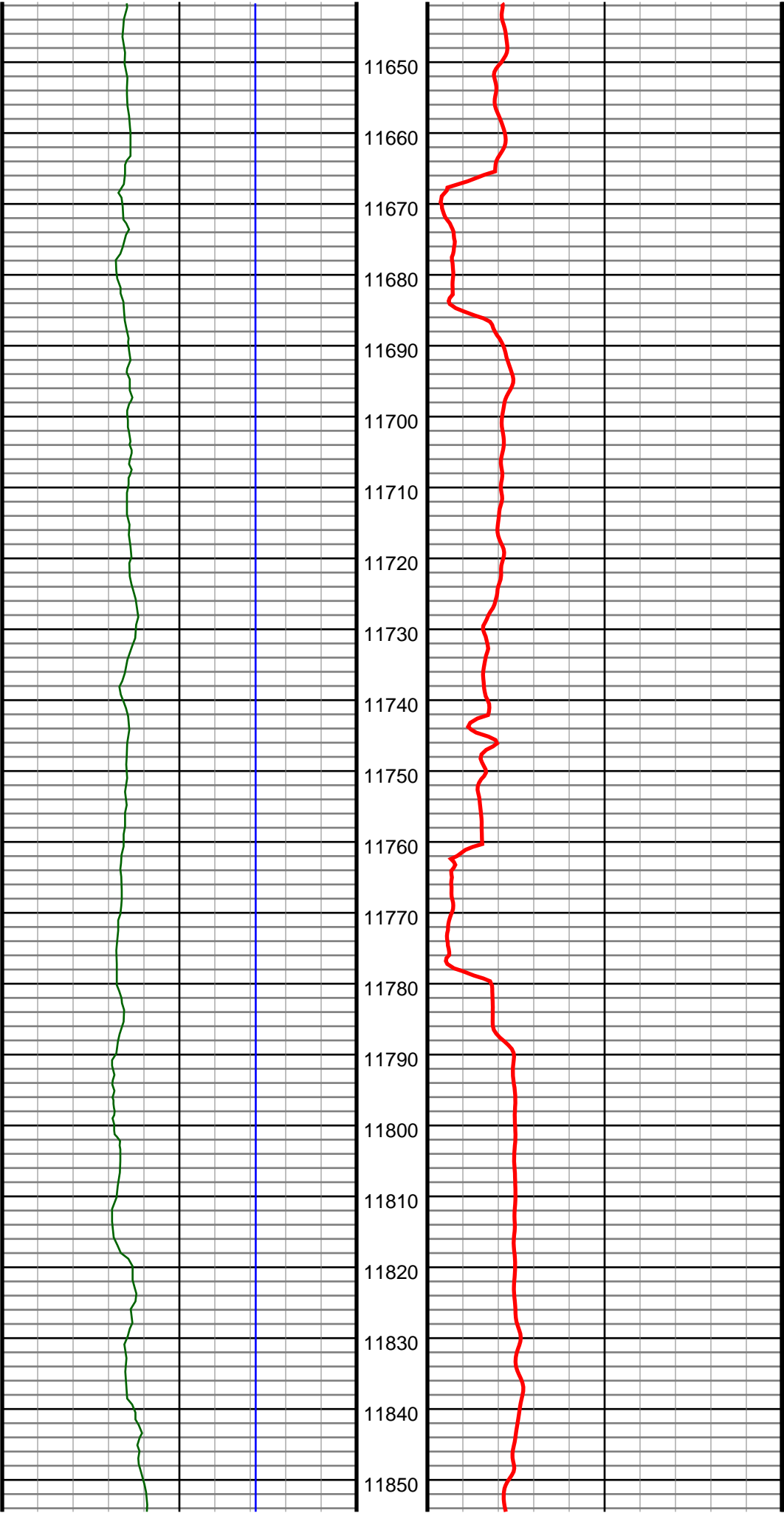
#127 MD(11318.00) Inc(89.8) Azm(267.1) TVD(6855.99)  
VS(4388.63) NS(-807.24) EW(-4325.39) TEMP(0.0)

#128 MD(11414.00) Inc(90.0) Azm(267.3) TVD(6856.16)  
VS(4484.44) NS(-811.93) EW(-4421.27) TEMP(0.0)



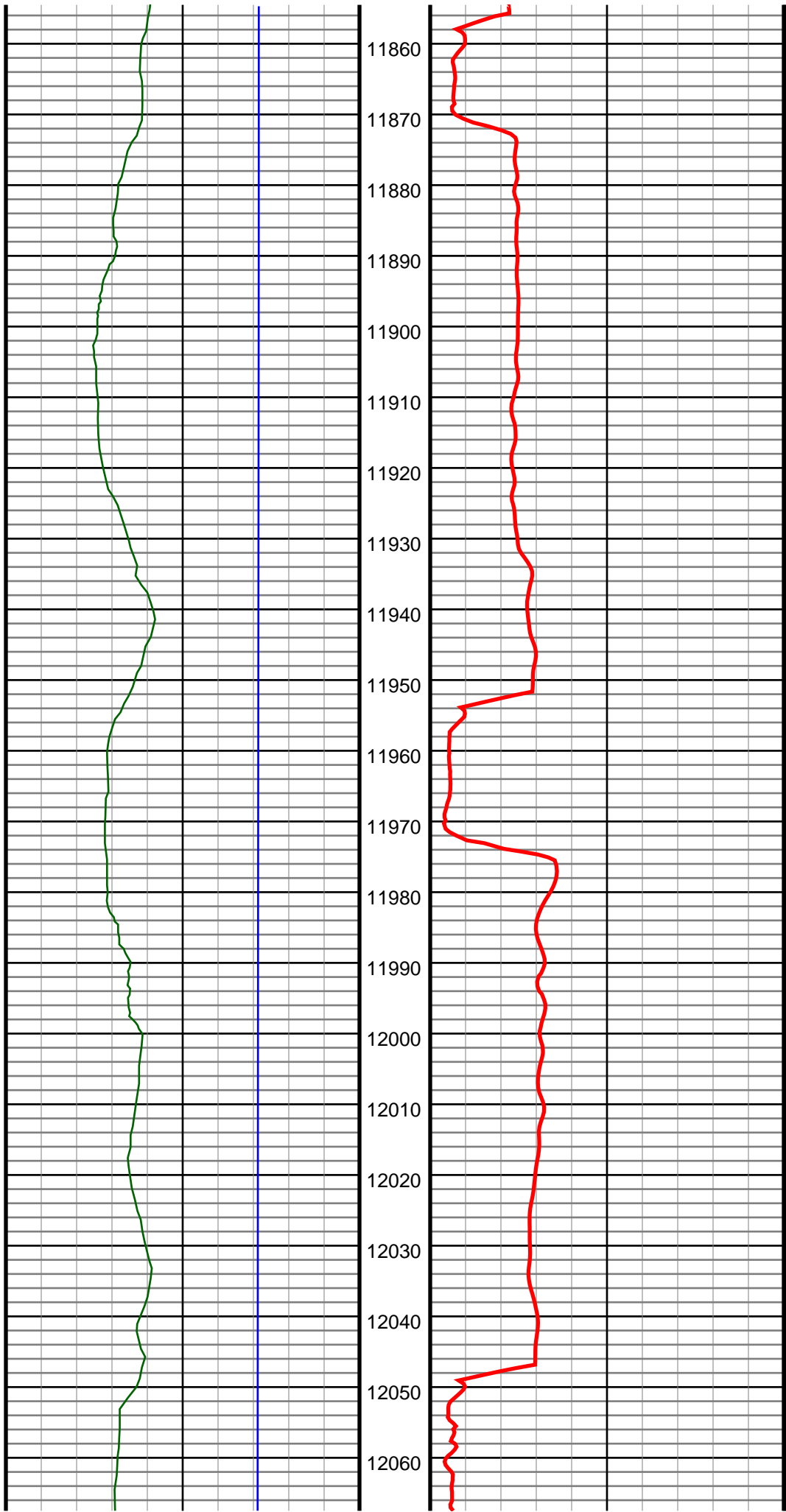
#129 MD(11509.00) Inc(89.9) Azm(266.3) TVD(6856.24)  
VS(4579.29) NS(-817.23) EW(-4516.12) TEMP(0.0)

#130 MD(11604.00) Inc(89.5) Azm(267.5) TVD(6856.74)  
VS(4674.12) NS(-822.37) EW(-4610.98) TEMP(0.0)



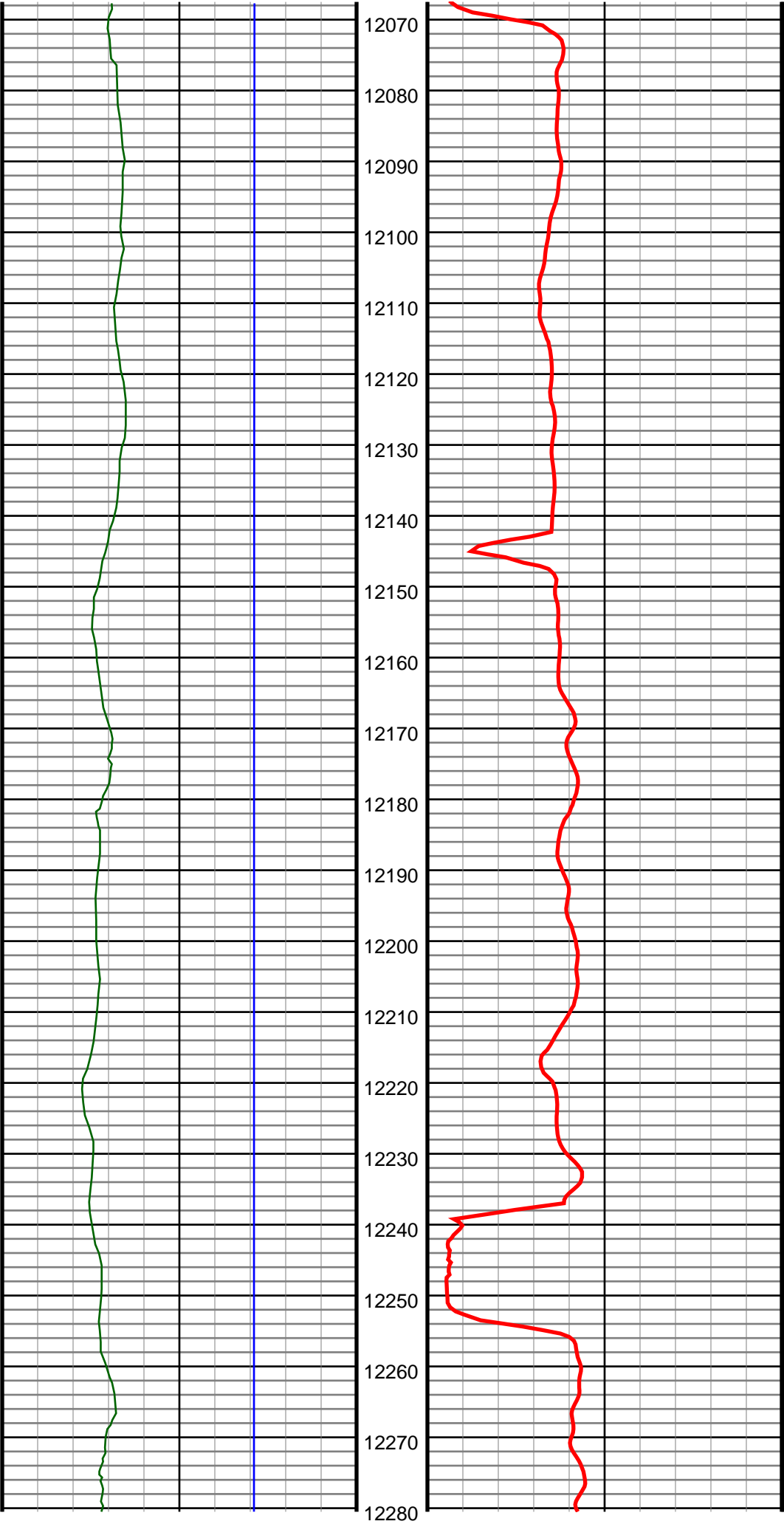
#131 MD(11699.00) Inc(89.3) Azm(268.2) TVD(6857.73)  
VS(4768.85) NS(-825.93) EW(-4705.91) TEMP(0.0)

#132 MD(11794.00) Inc(89.6) Azm(271.9) TVD(6858.65)  
VS(4863.22) NS(-825.85) EW(-4800.89) TEMP(0.0)



#133 MD(11889.00) Inc(91.0) Azm(272.1) TVD(6858.15)  
VS(4957.19) NS(-822.54) EW(-4895.82) TEMP(0.0)

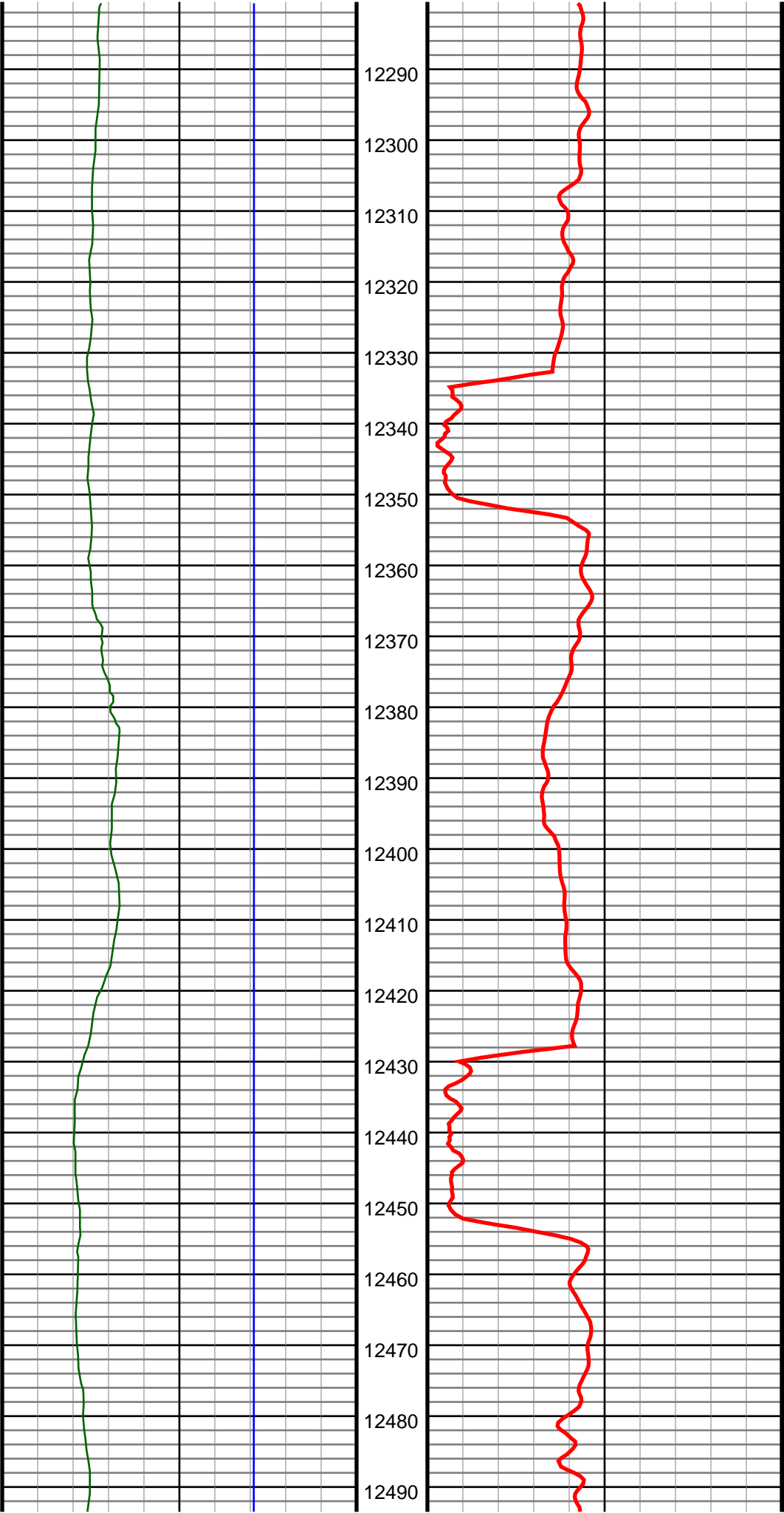
#134 MD(11985.00) Inc(91.7) Azm(269.4) TVD(6855.89)  
VS(5052.40) NS(-821.28) EW(-4991.78) TEMP(0.0)



#135 MD(12080.00) Inc(90.5) Azm(268.9) TVD(6854.06)  
VS(5146.93) NS(-822.69) EW(-5086.75) TEMP(0.0)

#136 MD(12175.00) Inc(90.9) Azm(268.9) TVD(6852.90)  
VS(5241.51) NS(-824.51) EW(-5181.72) TEMP(0.0)

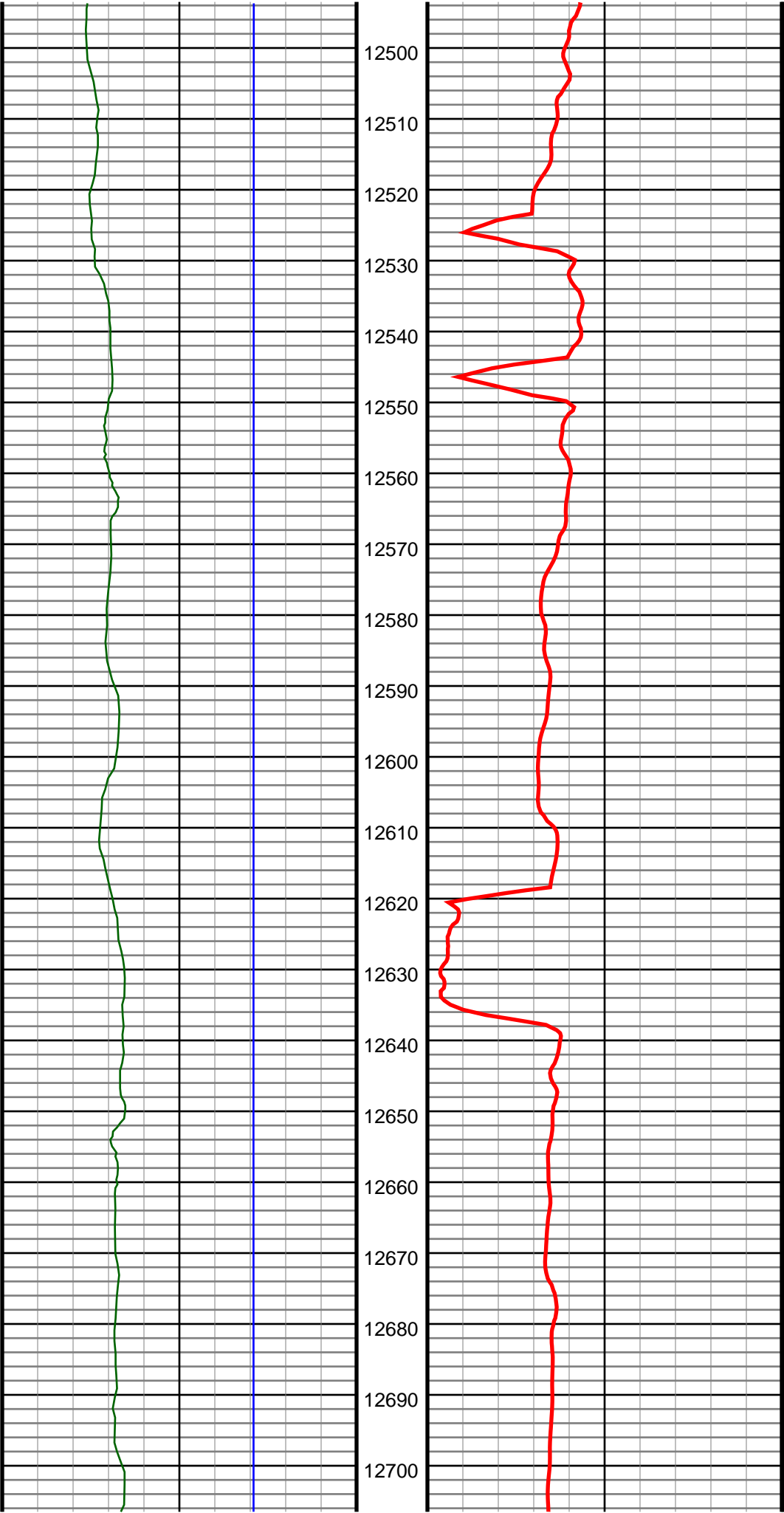
#137 MD(12270.00) Inc(89.5) Azm(266.4) TVD(6852.57)  
VS(5336.25) NS(-828.41) EW(-5276.63) TEMP(0.0)



#138 MD(12366.00) Inc(90.4) Azm(266.3) TVD(6852.65)  
VS(5432.14) NS(-834.52) EW(-5372.44) TEMP(0.0)

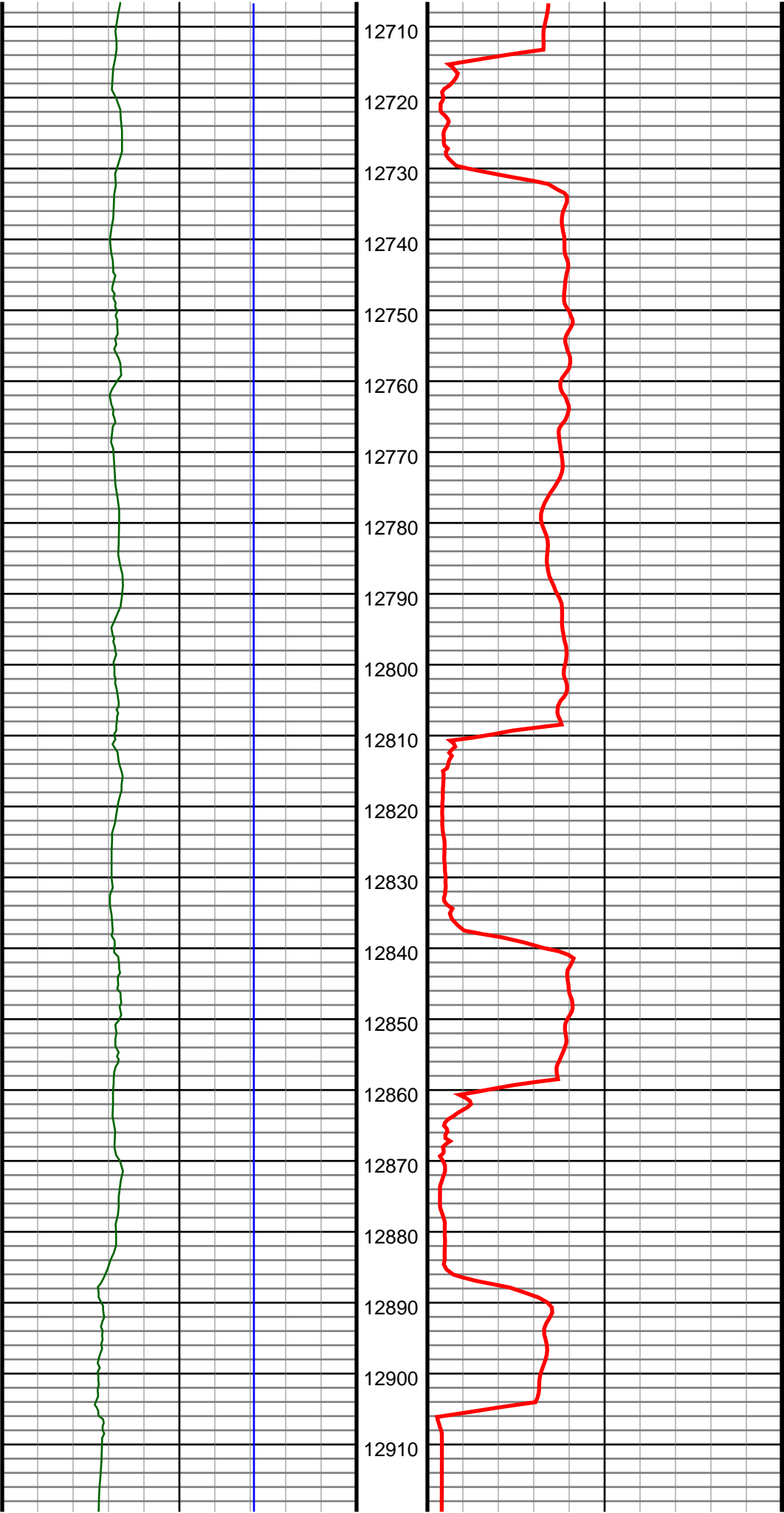
#139 MD(12461.00) Inc(90.2) Azm(268.2) TVD(6852.16)  
VS(5526.94) NS(-839.08) EW(-5467.32) TEMP(0.0)





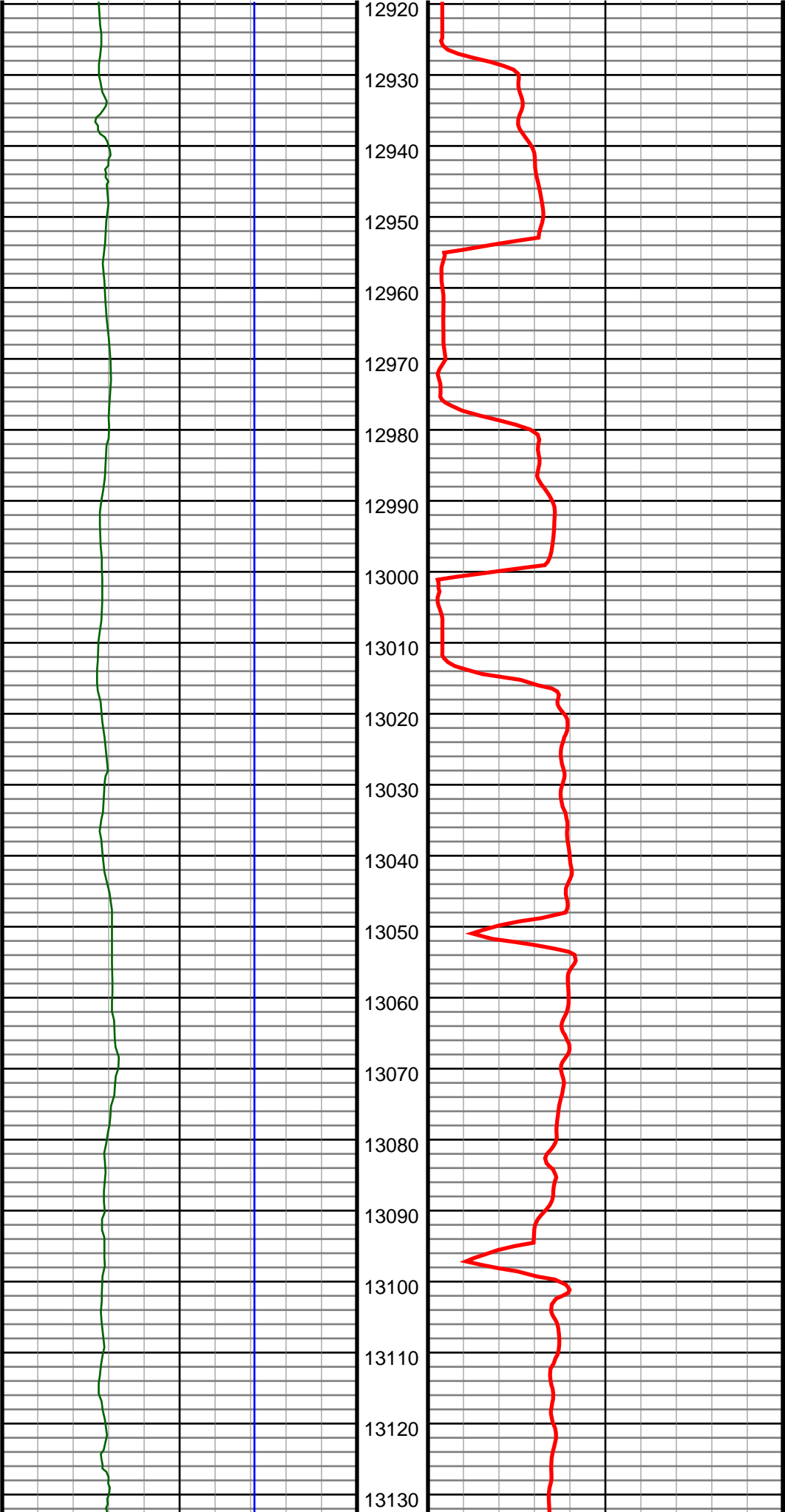
#140 MD(12556.00) Inc(90.7) Azm(267.8) TVD(6851.41)  
VS(5621.65) NS(-842.39) EW(-5562.26) TEMP(0.0)

#141 MD(12651.00) Inc(89.9) Azm(267.7) TVD(6850.91)  
VS(5716.39) NS(-846.12) EW(-5657.19) TEMP(0.0)



#142 MD(12746.00) Inc(89.6) Azm(264.0) TVD(6851.33)  
VS(5811.30) NS(-852.99) EW(-5751.92) TEMP(0.0)

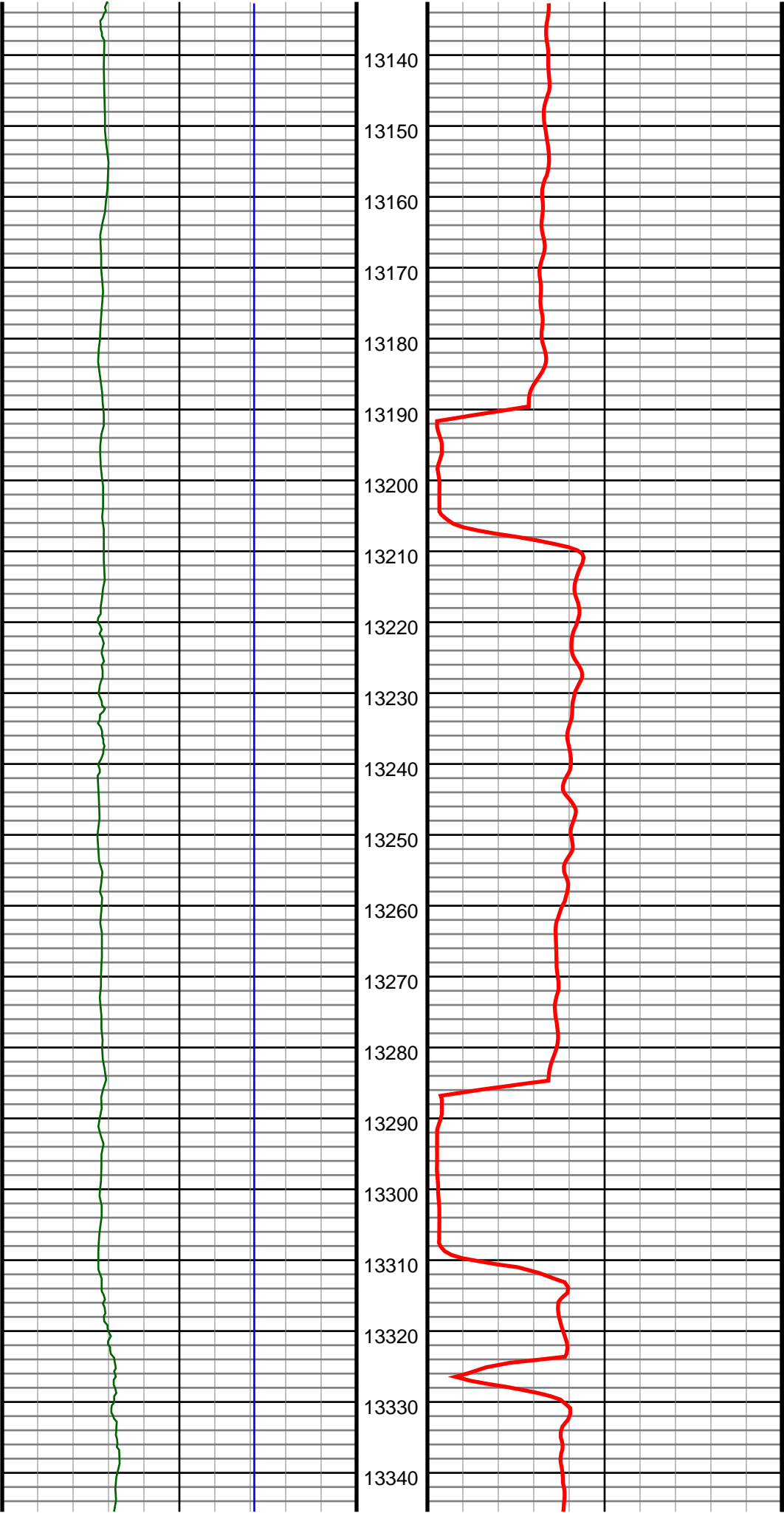
#143 MD(12842.00) Inc(89.6) Azm(262.0) TVD(6852.00)  
VS(5907.29) NS(-864.69) EW(-5847.20) TEMP(0.0)



#144 MD(12937.00) Inc(89.6) Azm(266.4) TVD(6852.66)  
VS(6002.26) NS(-874.29) EW(-5941.69) TEMP(0.0)

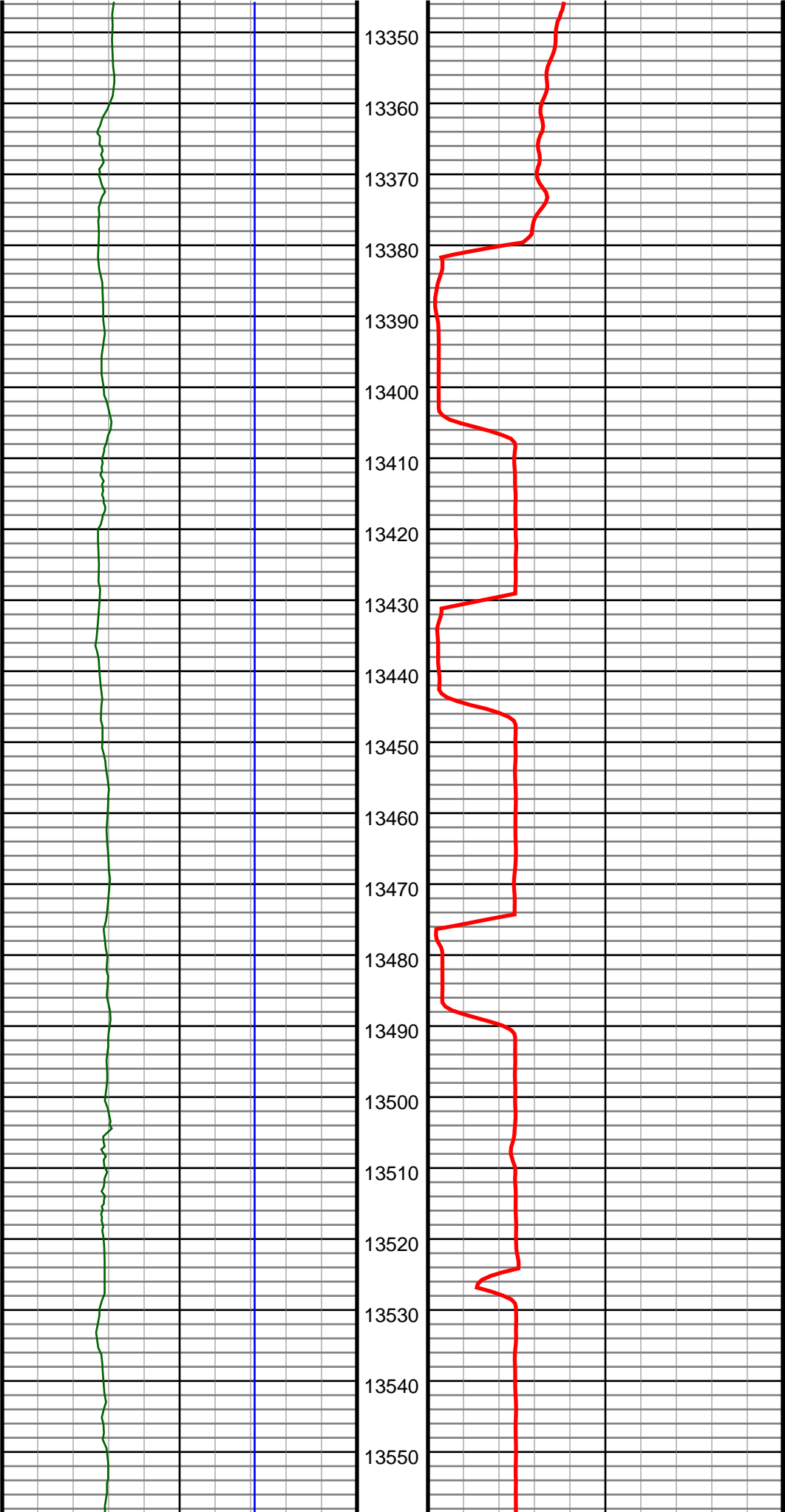
#145 MD(13032.00) Inc(90.1) Azm(271.2) TVD(6852.91)  
VS(6096.83) NS(-876.28) EW(-6036.64) TEMP(0.0)

#146 MD(13127.00) Inc(89.8) Azm(272.2) TVD(6852.99)  
VS(6190.87) NS(-873.46) EW(-6131.59) TEMP(0.0)



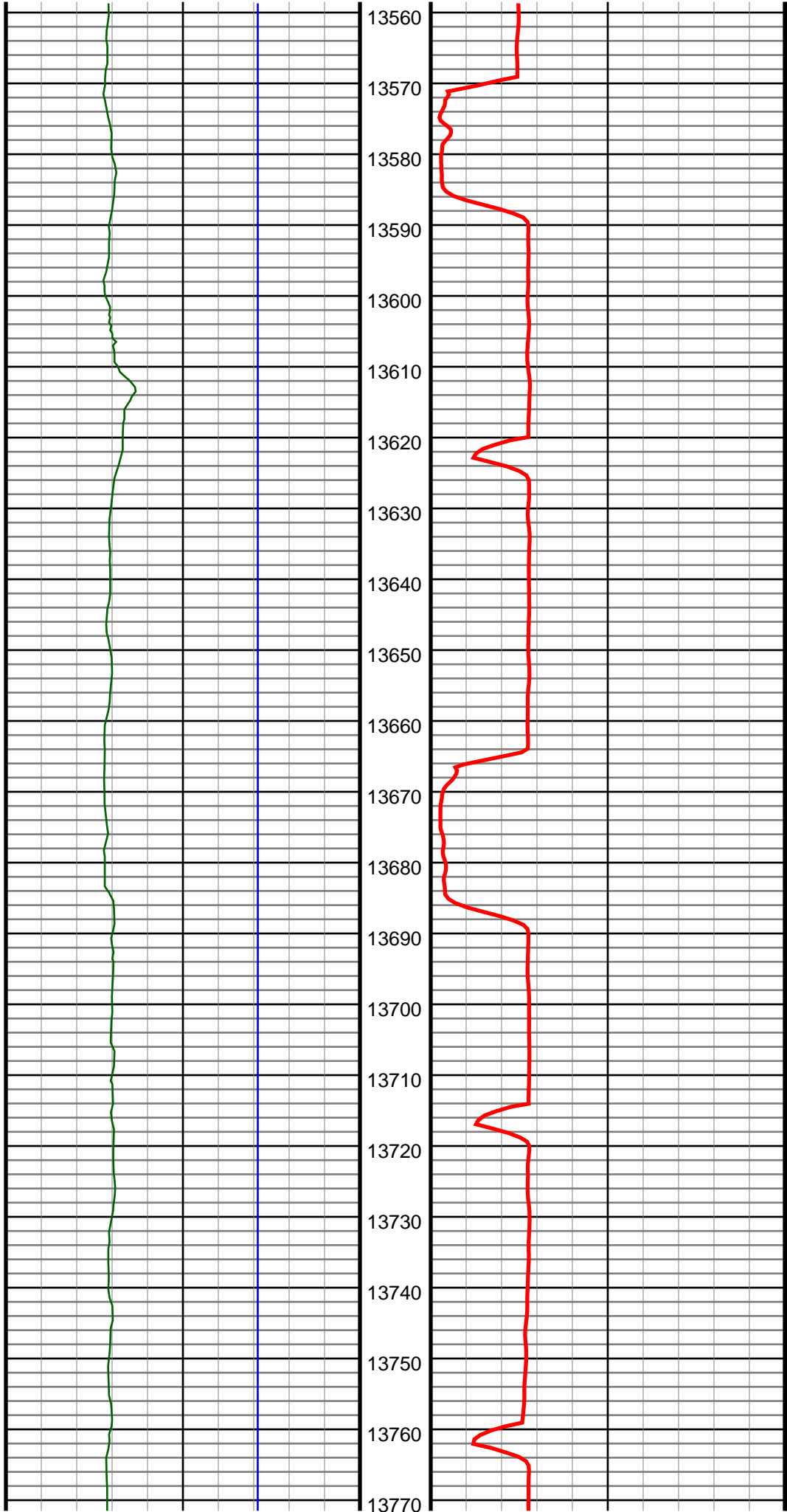
#147 MD(13223.00) Inc(90.0) Azm(272.9) TVD(6853.16)  
VS(6285.69) NS(-869.19) EW(-6227.50) TEMP(0.0)

#148 MD(13318.00) Inc(89.5) Azm(272.6) TVD(6853.58)  
VS(6379.47) NS(-864.63) EW(-6322.39) TEMP(0.0)



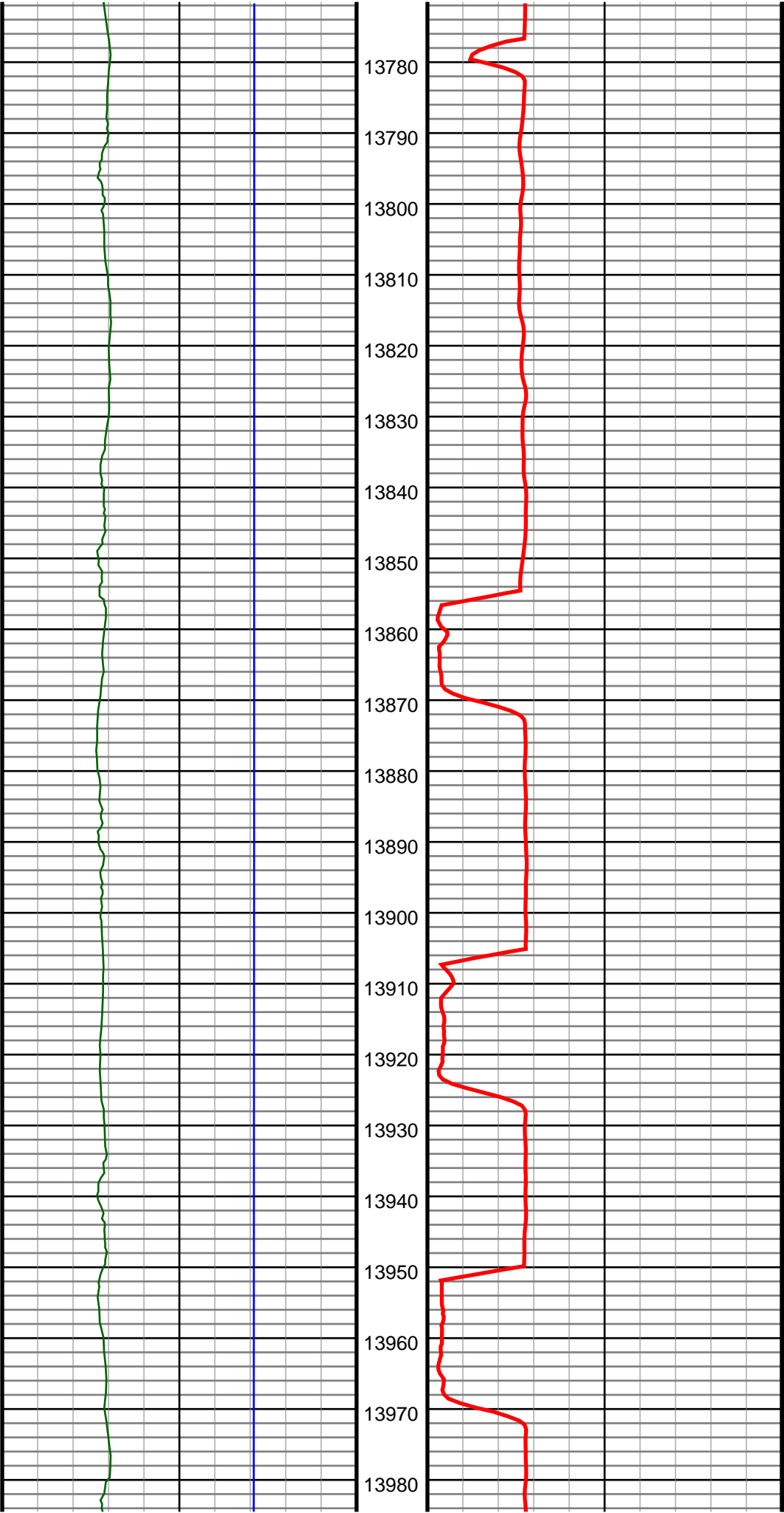
#149 MD(13413.00) Inc(90.0) Azm(271.4) TVD(6853.99)  
VS(6473.44) NS(-861.32) EW(-6417.33) TEMP(0.0)

#150 MD(13508.00) Inc(90.4) Azm(268.2) TVD(6853.66)  
VS(6567.86) NS(-861.65) EW(-6512.31) TEMP(0.0)



#151 MD(13603.00) Inc(89.4) Azm(270.5) TVD(6853.82)  
VS(6662.37) NS(-862.73) EW(-6607.30) TEMP(0.0)

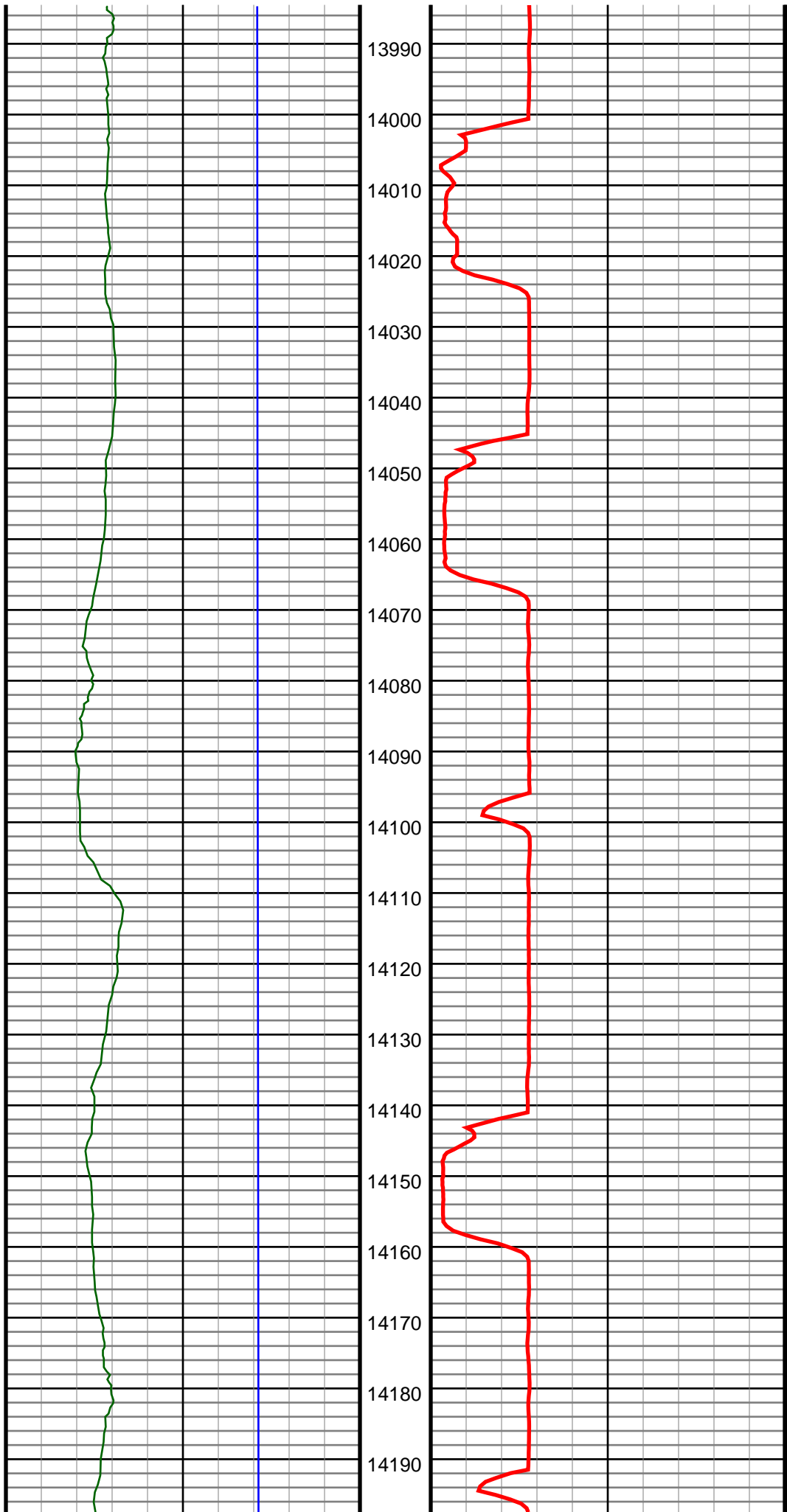
#152 MD(13698.00) Inc(90.5) Azm(269.1) TVD(6853.91)  
VS(6756.80) NS(-863.06) EW(-6702.29) TEMP(0.0)



#153 MD(13793.00) Inc(90.0) Azm(269.6) TVD(6853.49)  
VS(6851.32) NS(-864.14) EW(-6797.29) TEMP(0.0)

#154 MD(13888.00) Inc(90.5) Azm(270.3) TVD(6853.08)  
VS(6945.73) NS(-864.22) EW(-6892.28) TEMP(0.0)

#155 MD(13983.00) Inc(91.0) Azm(268.0) TVD(6851.83)  
VS(7040.26) NS(-865.63) EW(-6987.26) TEMP(0.0)



#156 MD(14078.00) Inc(87.5) Azm(269.2) TVD(6853.08)  
VS(7134.87) NS(-867.95) EW(-7082.21) TEMP(0.0)

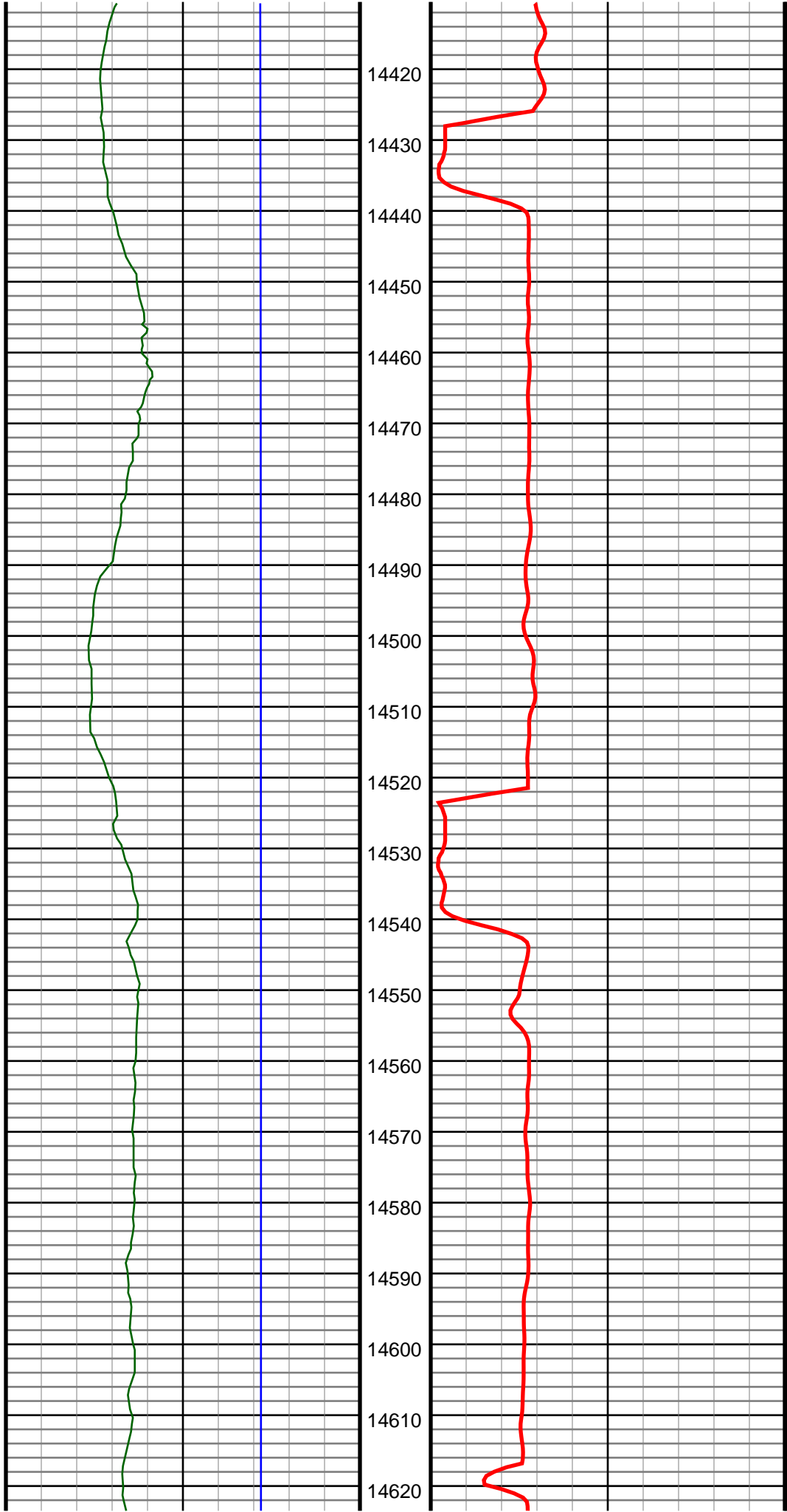
#157 MD(14173.00) Inc(89.4) Azm(268.9) TVD(6855.65)  
VS(7229.39) NS(-869.52) EW(-7177.15) TEMP(0.0)





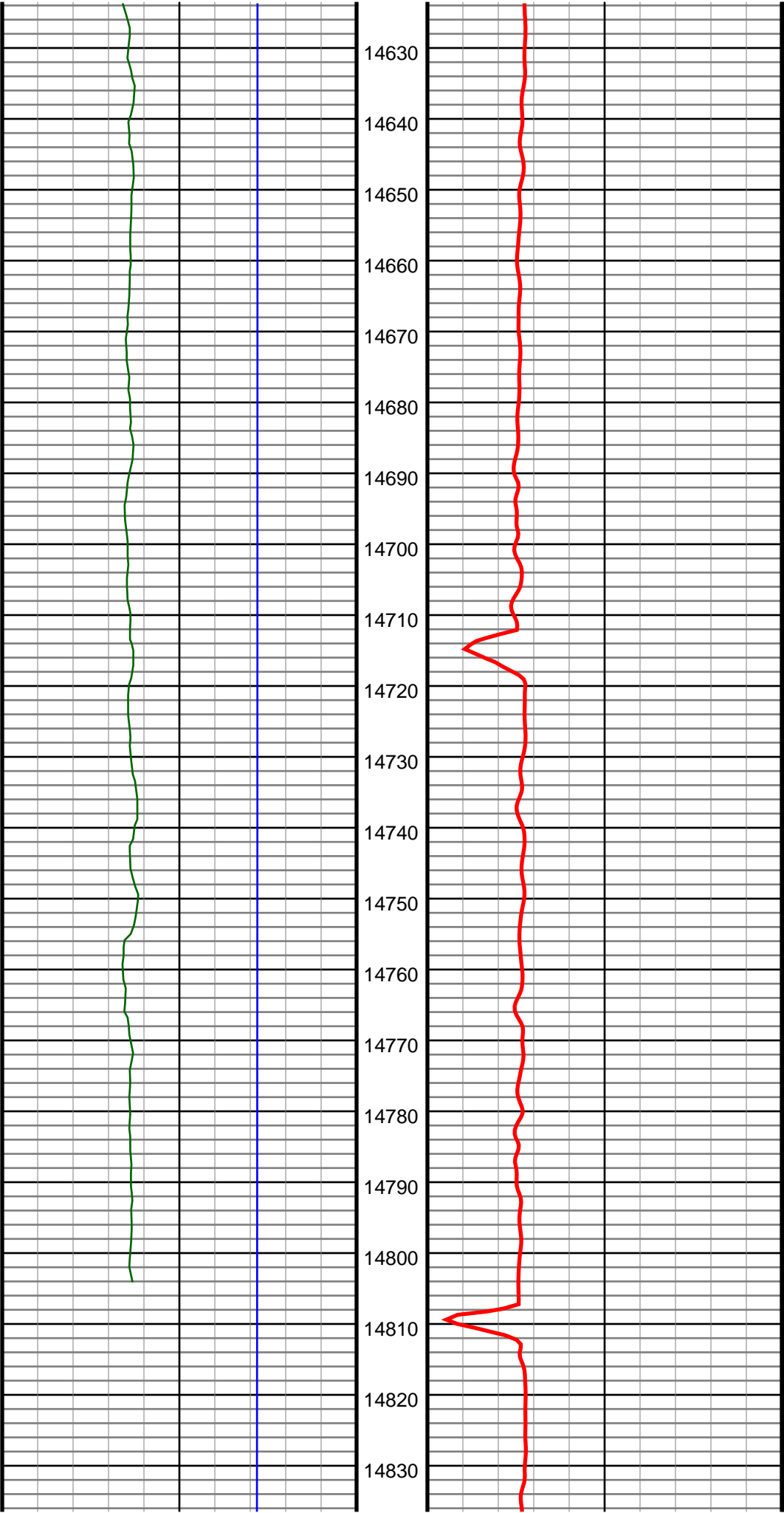
#158 MD(14268.00) Inc(88.2) Azm(268.5) TVD(6857.64)  
VS(7323.99) NS(-871.68) EW(-7272.11) TEMP(0.0)

#159 MD(14363.00) Inc(88.1) Azm(268.7) TVD(6860.70)  
VS(7418.57) NS(-874.00) EW(-7367.03) TEMP(0.0)



#160 MD(14458.00) Inc(88.5) Azm(269.1) TVD(6863.52)  
VS(7513.12) NS(-875.82) EW(-7461.97) TEMP(0.0)

#161 MD(14554.00) Inc(90.2) Azm(268.2) TVD(6864.61)  
VS(7608.73) NS(-878.08) EW(-7557.93) TEMP(0.0)



#162 MD(14649.00) Inc(90.0) Azm(267.5) TVD(6864.45)  
VS(7703.46) NS(-881.65) EW(-7652.86) TEMP(0.0)

#163 MD(14744.00) Inc(90.4) Azm(268.4) TVD(6864.11)  
VS(7798.18) NS(-885.04) EW(-7747.80) TEMP(0.0)

#164 MD(14807.00) Inc(91.2) Azm(269.9) TVD(6863.23)  
VS(7860.87) NS(-885.98) EW(-7810.79) TEMP(0.0)

