



Carlson A-15-16HN

MD
5":100'

Company: Bayswater Exploration & Production, LLC

Well Name: CARLSON A-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 Austin Clark

LWD/MWD DAYS Matt Brokaw

LWD/MWD NIGHTS Tyler Teague

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

Depth Start: 7396 ft
Date 9/28/2015
End: 14866 ft 10/3

Casing Depth Size
Surface: 840 9.63
Intermediate: 7385 7

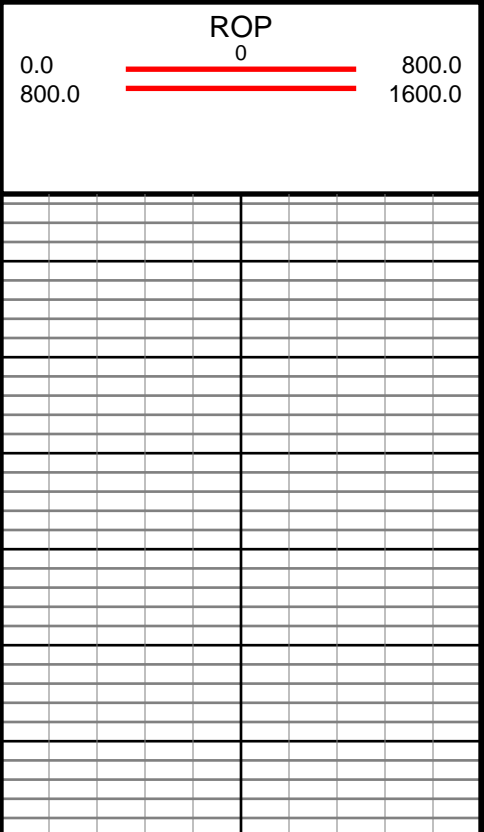
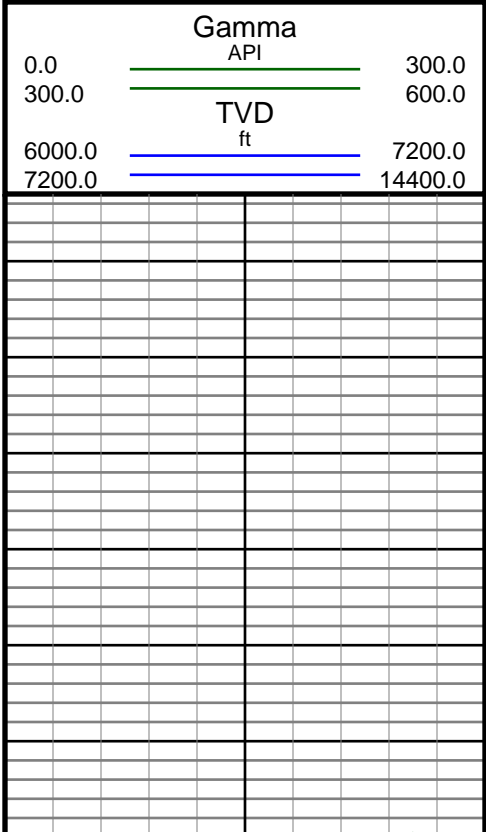
Mud Type:
Density:
Viscosity:
Rm:

Rmf: Rmc:

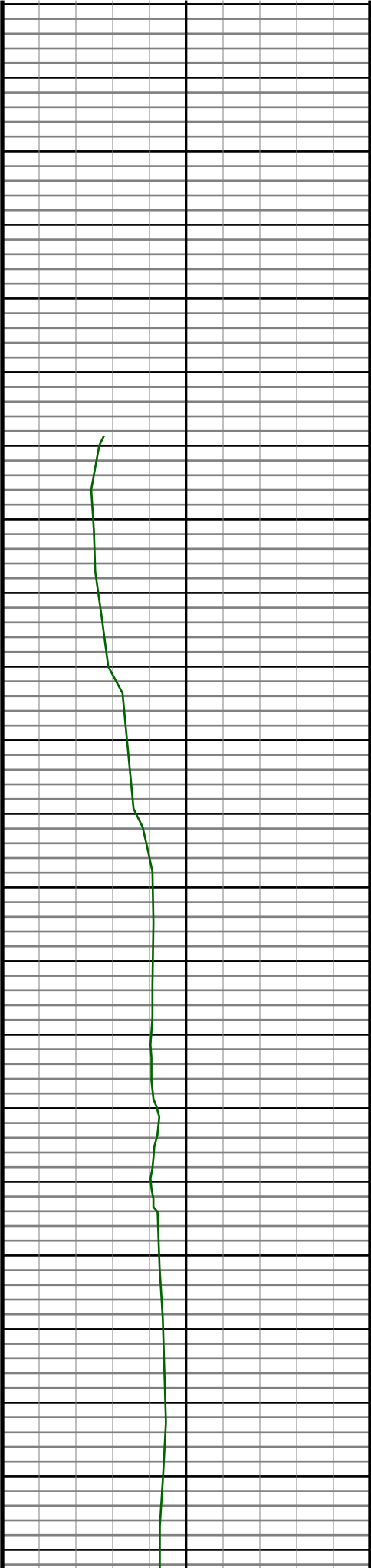
Elevations
KB: 4643.5
GL: 4621
DF: 4643.5

Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75	50.90	46.74	858	7396	8/8/2015	8/10/2015
2	6.125	65.23	62.31	7396	14866	9/28/2015	10/3/2015
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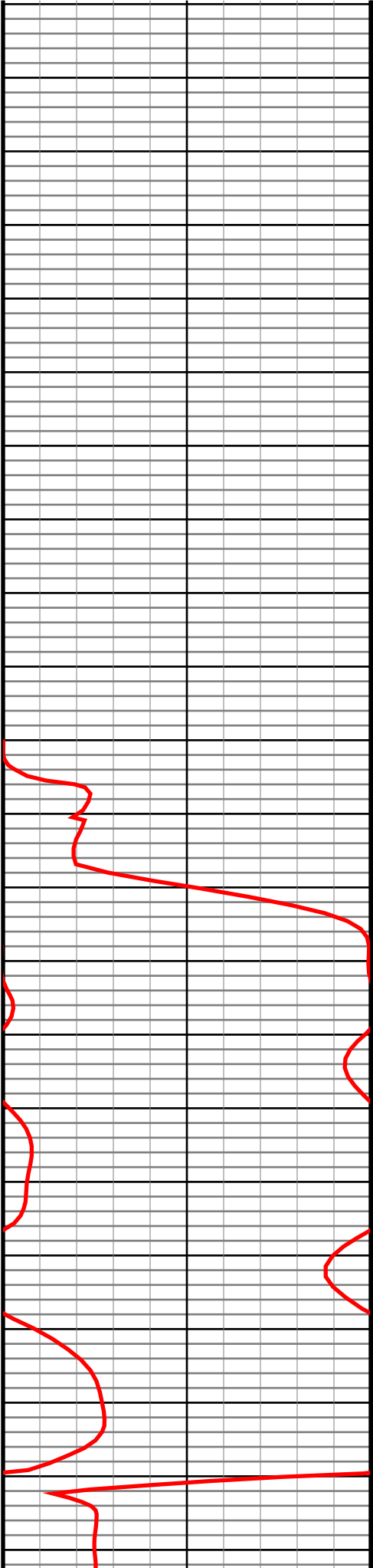
Ensign Directional Services uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.



#7 MD(713.00) Inc(8.3) Azm(12.5) TVD(711.57)
VS(-4.32) NS(30.38) EW(7.58) TEMP(0.0)

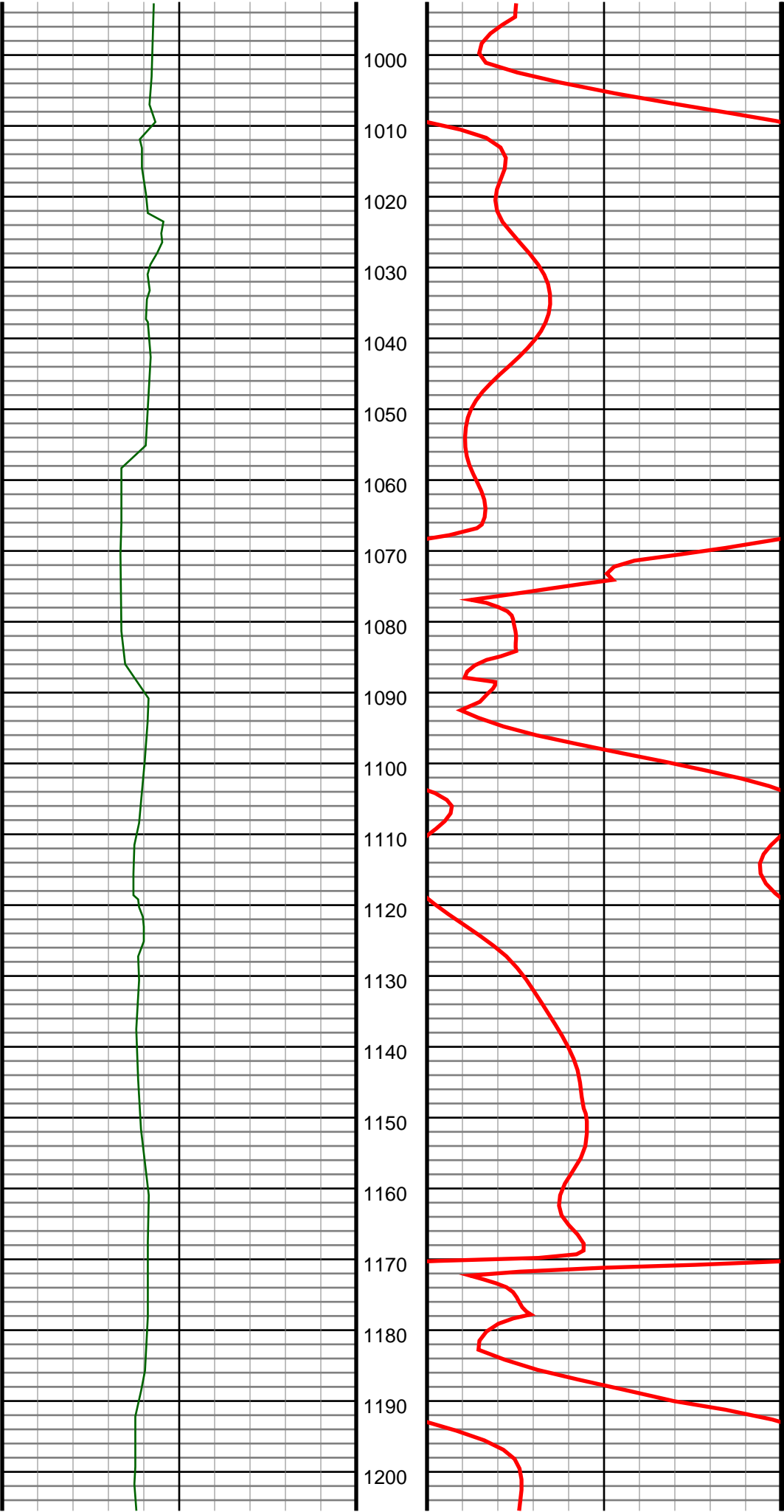


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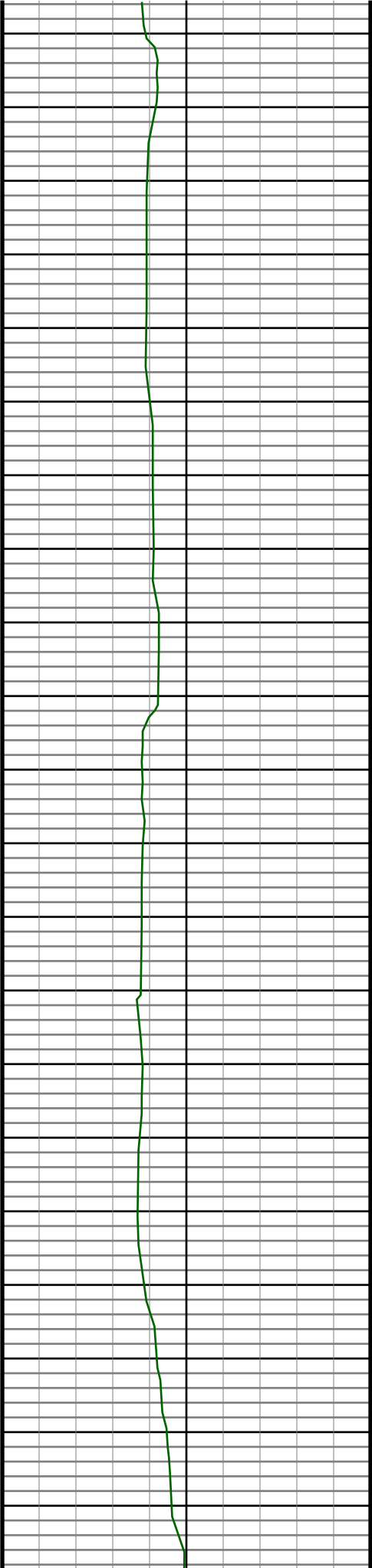
#8 MD(795.00) Inc(9.6) Azm(13.5) TVD(792.57)
VS(-5.87) NS(42.81) EW(10.46) TEMP(0.0)

#9 MD(927.00) Inc(10.3) Azm(11.1) TVD(922.58)
VS(-8.32) NS(65.09) EW(15.30) TEMP(0.0)

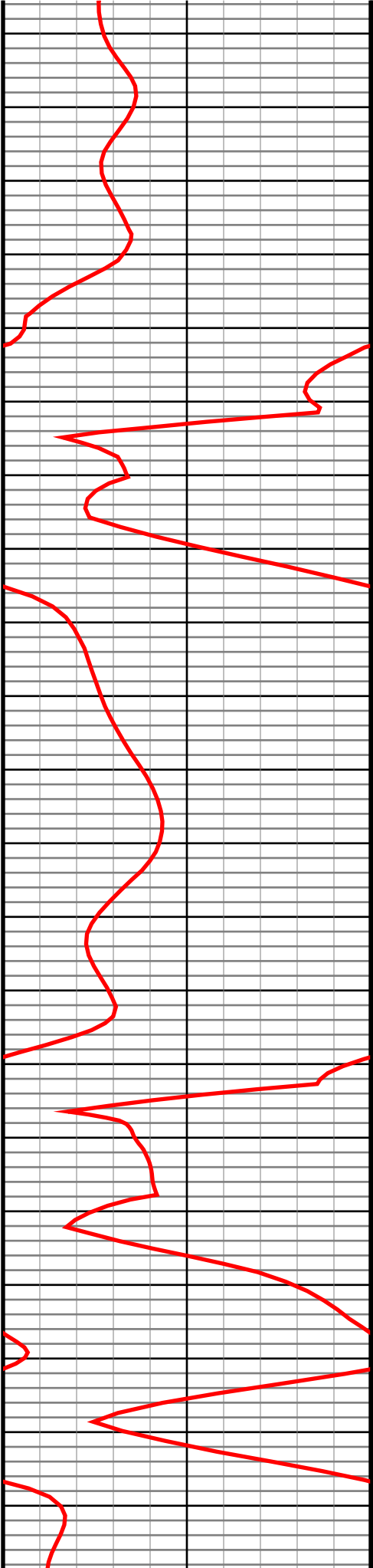


#10 MD(1022.00) Inc(9.2) Azm(15.3) TVD(1016.21)
VS(-10.28) NS(80.75) EW(18.94) TEMP(0.0)

#11 MD(1117.00) Inc(10.2) Azm(10.9) TVD(1109.85)
VS(-12.20) NS(96.34) EW(22.53) TEMP(0.0)



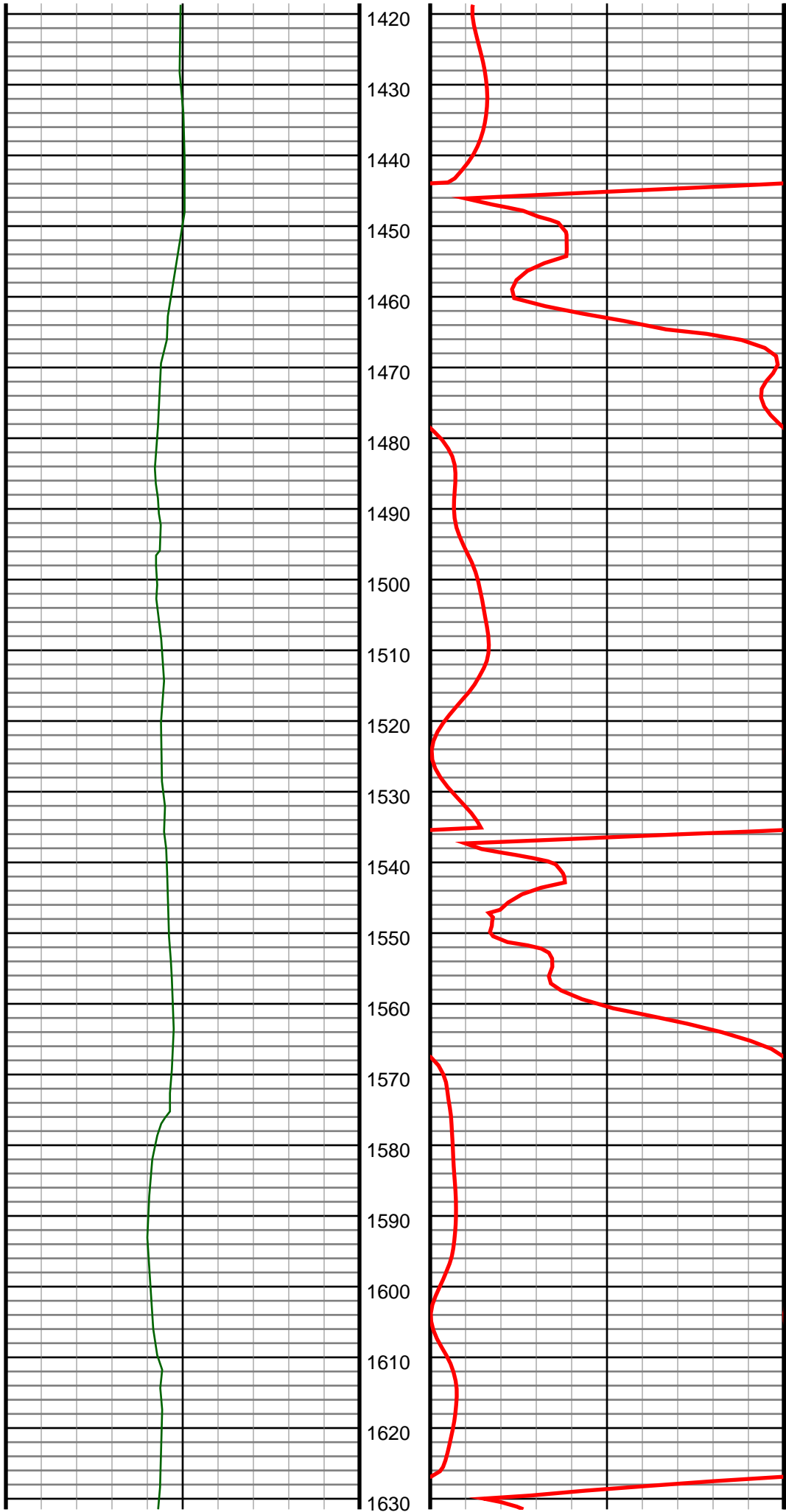
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#12 MD(1210.00) Inc(12.4) Azm(12.8) TVD(1201.04)
VS(-14.06) NS(114.16) EW(26.30) TEMP(0.0)

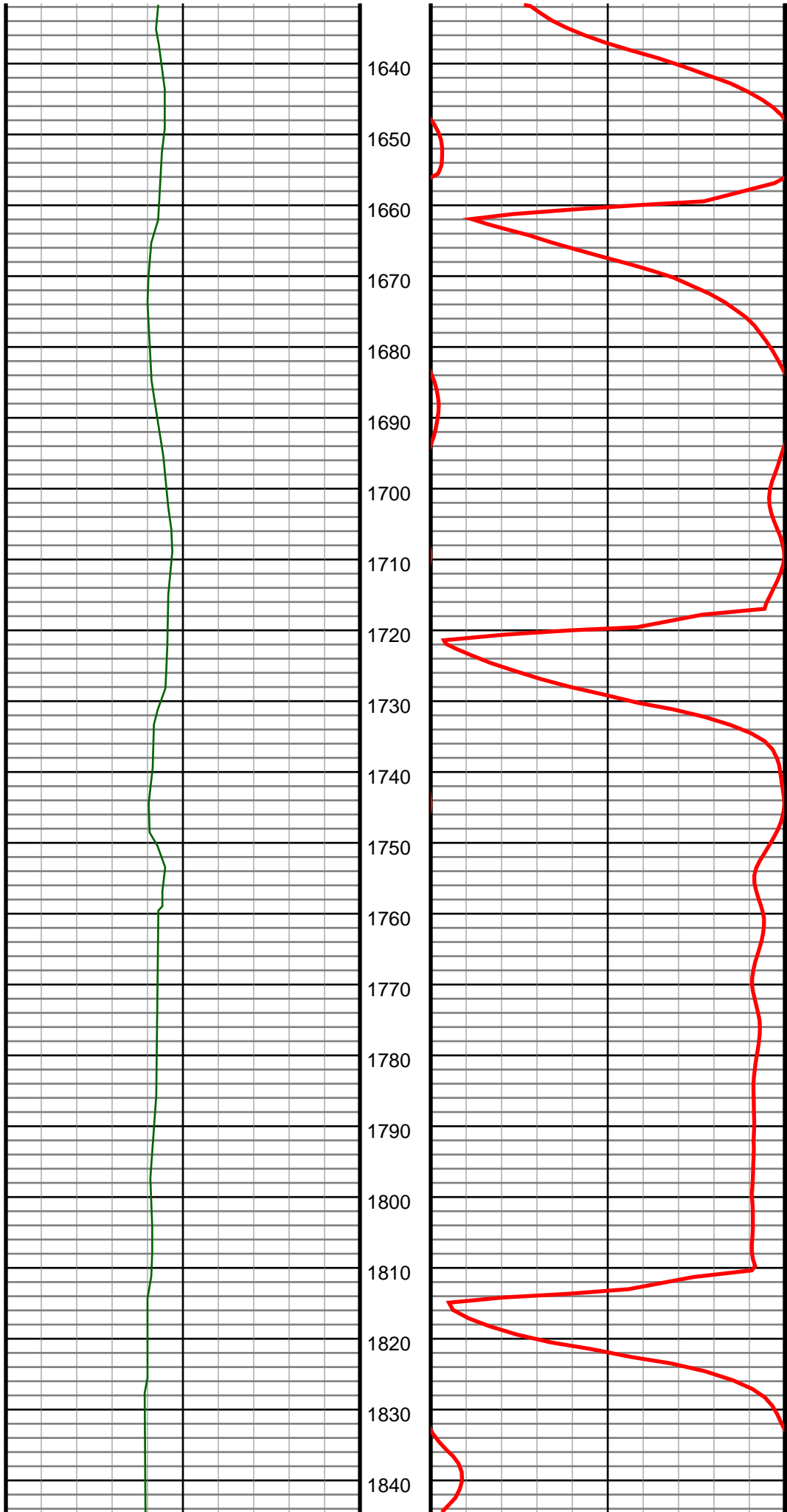
#13 MD(1302.00) Inc(12.4) Azm(17.2) TVD(1290.90)
VS(-17.13) NS(133.23) EW(31.41) TEMP(0.0)

#14 MD(1394.00) Inc(14.3) Azm(23.0) TVD(1380.41)
VS(-22.34) NS(153.13) EW(38.78) TEMP(0.0)



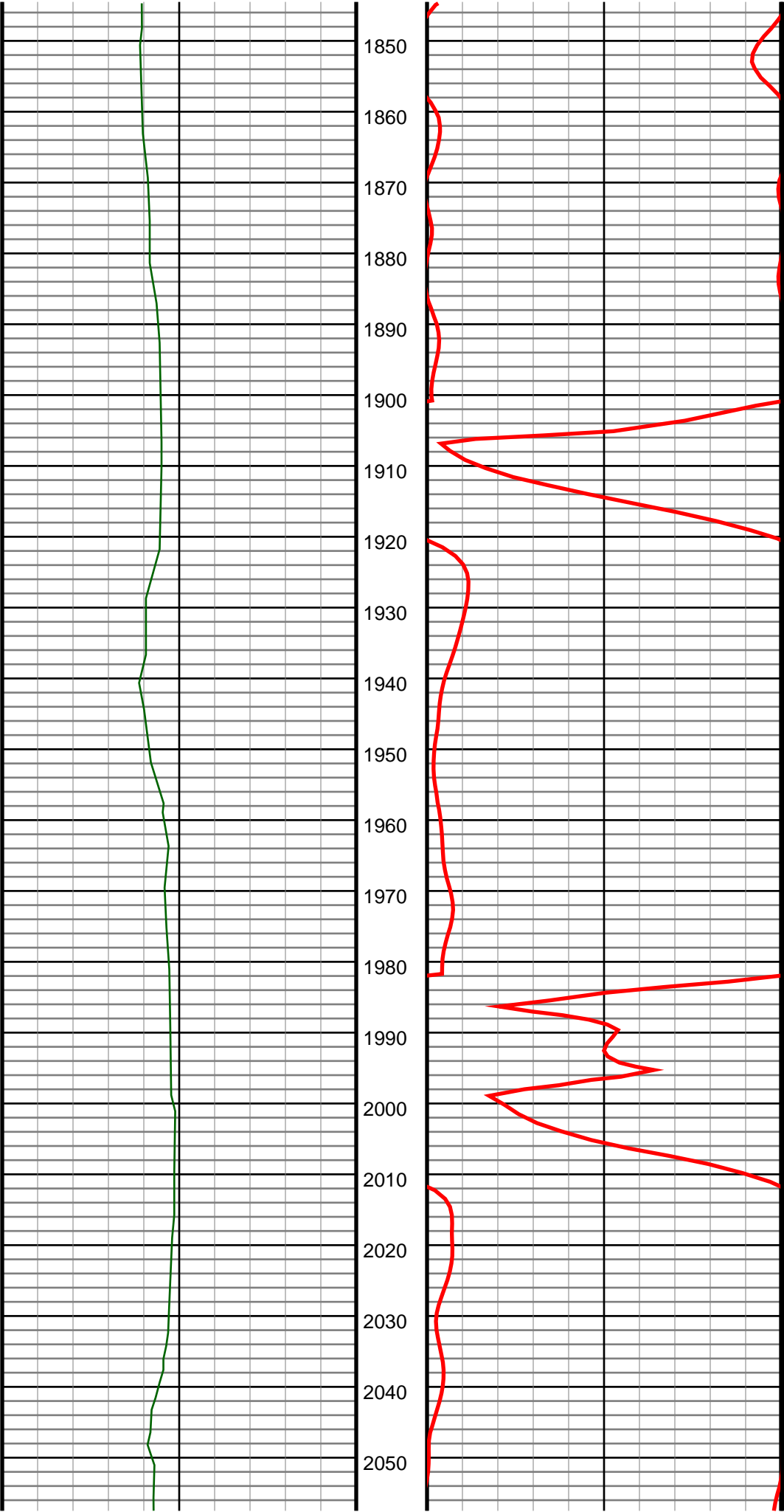
#15 MD(1486.00) Inc(16.1) Azm(18.3) TVD(1469.19)
VS(-28.35) NS(175.70) EW(47.22) TEMP(0.0)

#16 MD(1578.00) Inc(17.3) Azm(11.4) TVD(1557.32)
VS(-32.32) NS(201.23) EW(53.93) TEMP(0.0)



#17 MD(1670.00) Inc(16.7) Azm(6.7) TVD(1645.30)
VS(-33.73) NS(227.76) EW(58.18) TEMP(0.0)

#18 MD(1763.00) Inc(15.8) Azm(3.3) TVD(1734.59)
VS(-33.26) NS(253.68) EW(60.47) TEMP(0.0)



#19 MD(1855.00) Inc(14.9) Azm(358.4) TVD(1823.31)
VS(-31.07) NS(278.01) EW(60.86) TEMP(0.0)

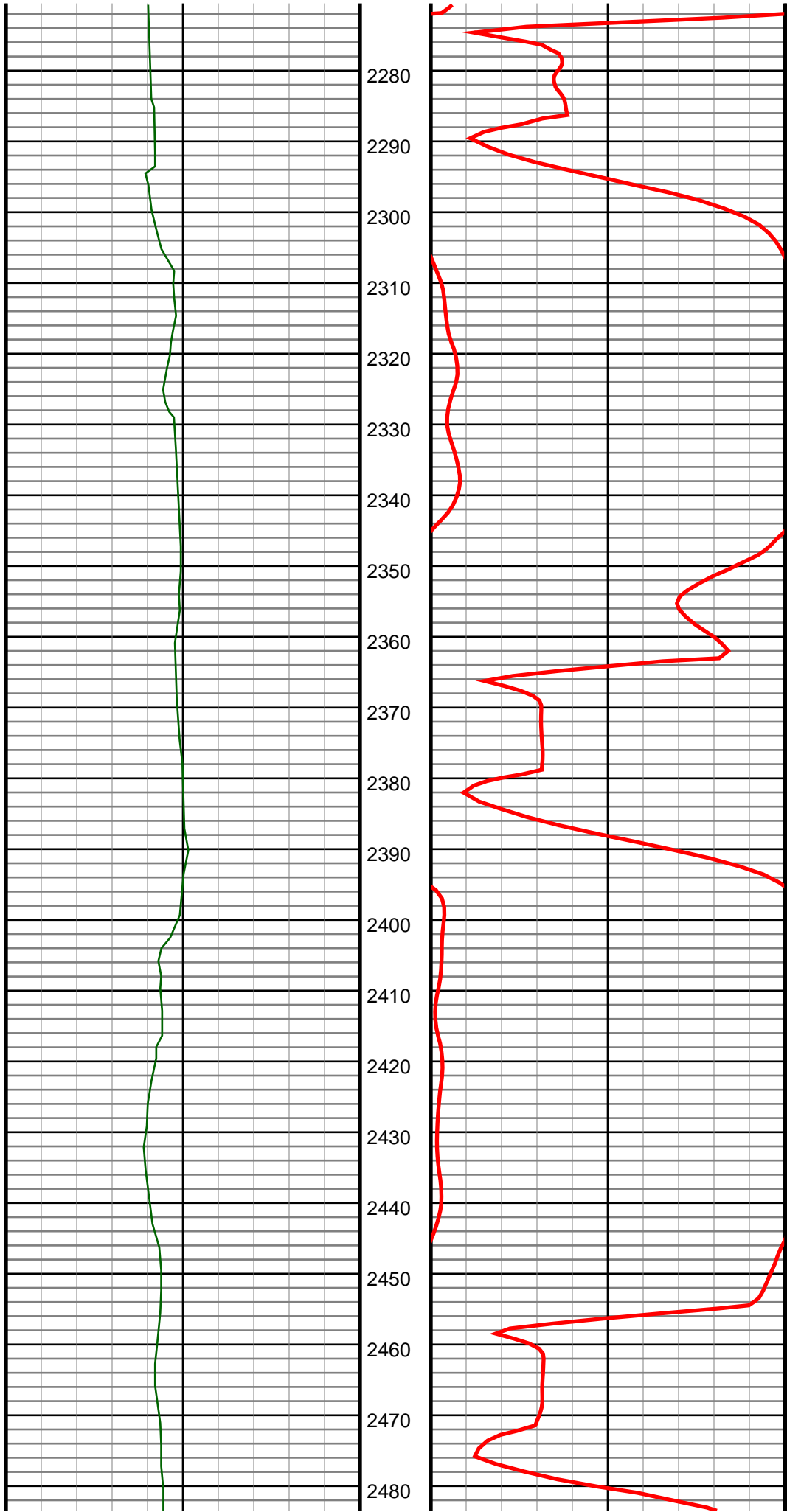
#20 MD(1947.00) Inc(14.2) Azm(353.7) TVD(1912.36)
VS(-27.07) NS(301.05) EW(59.29) TEMP(0.0)

#21 MD(2039.00) Inc(13.8) Azm(348.9) TVD(2001.63)
VS(-21.41) NS(323.03) EW(55.94) TEMP(0.0)



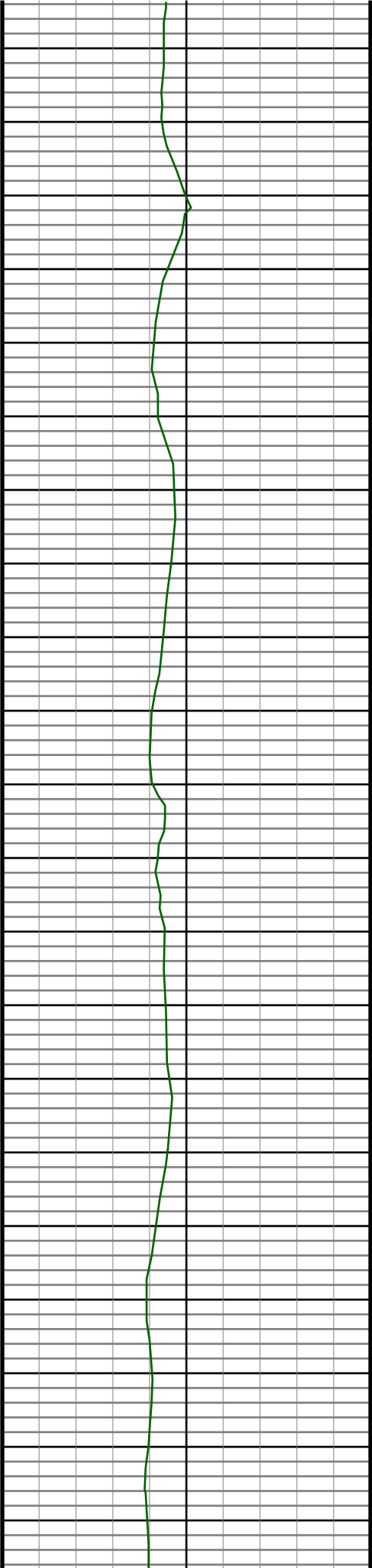
#22 MD(2131.00) Inc(13.1) Azm(353.1) TVD(2091.11)
VS(-15.83) NS(344.15) EW(52.57) TEMP(0.0)

#23 MD(2223.00) Inc(11.6) Azm(358.1) TVD(2180.98)
VS(-12.20) NS(363.75) EW(51.01) TEMP(0.0)

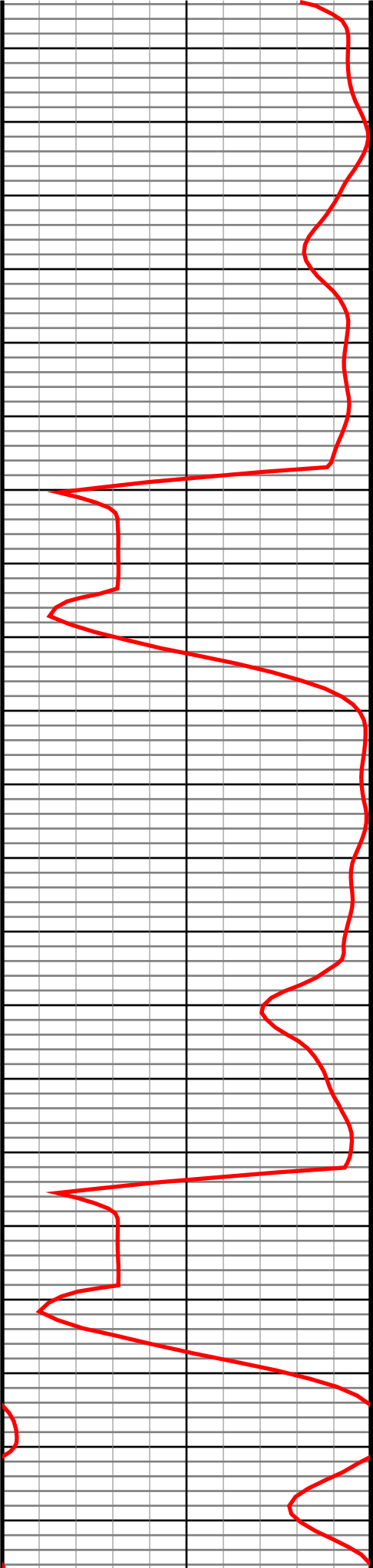


#24 MD(2315.00) Inc(10.6) Azm(2.6) TVD(2271.26)
VS(-10.40) NS(381.44) EW(51.09) TEMP(0.0)

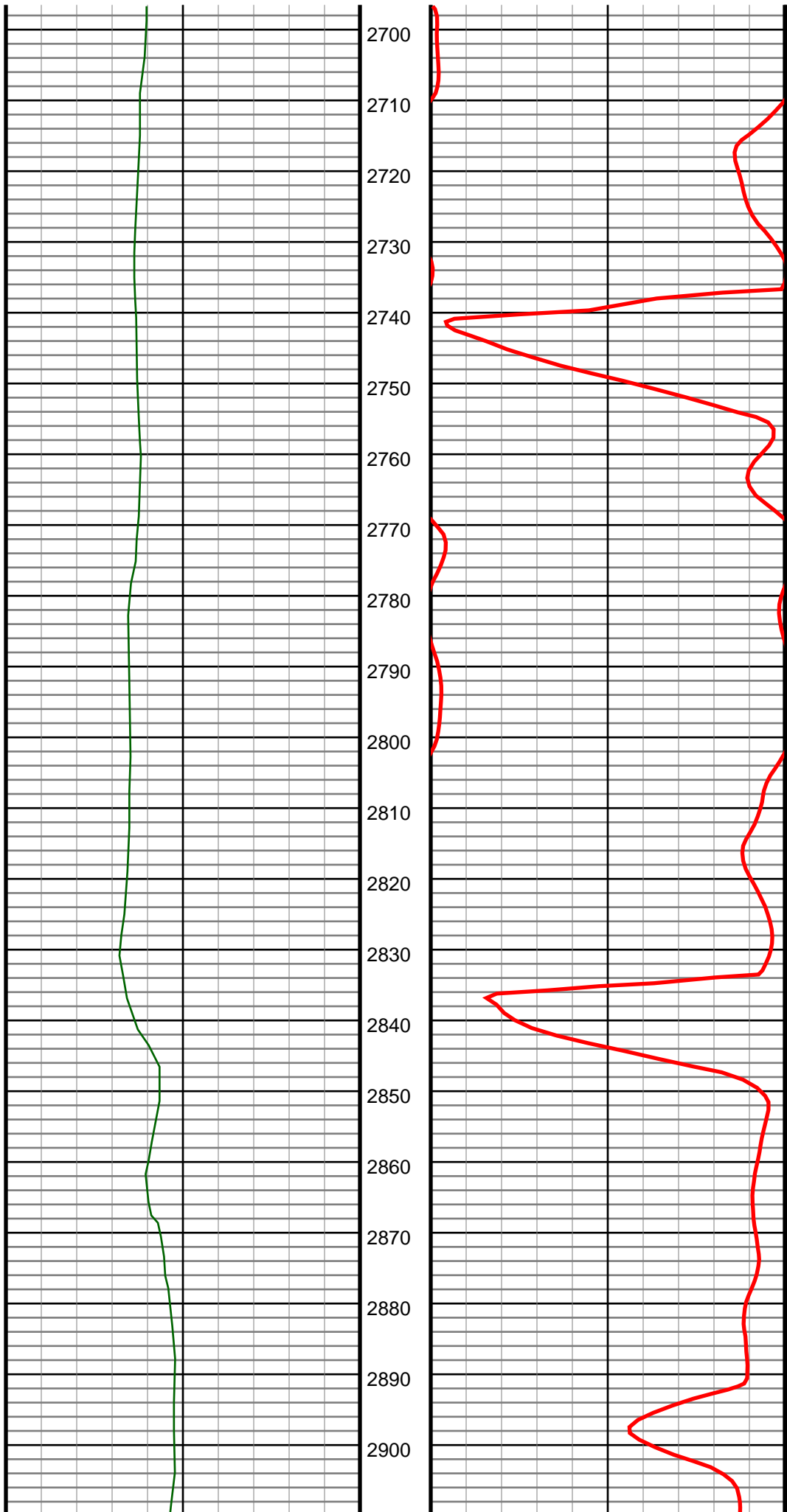
#25 MD(2407.00) Inc(11.0) Azm(6.0) TVD(2361.63)
VS(-9.88) NS(398.63) EW(52.39) TEMP(0.0)



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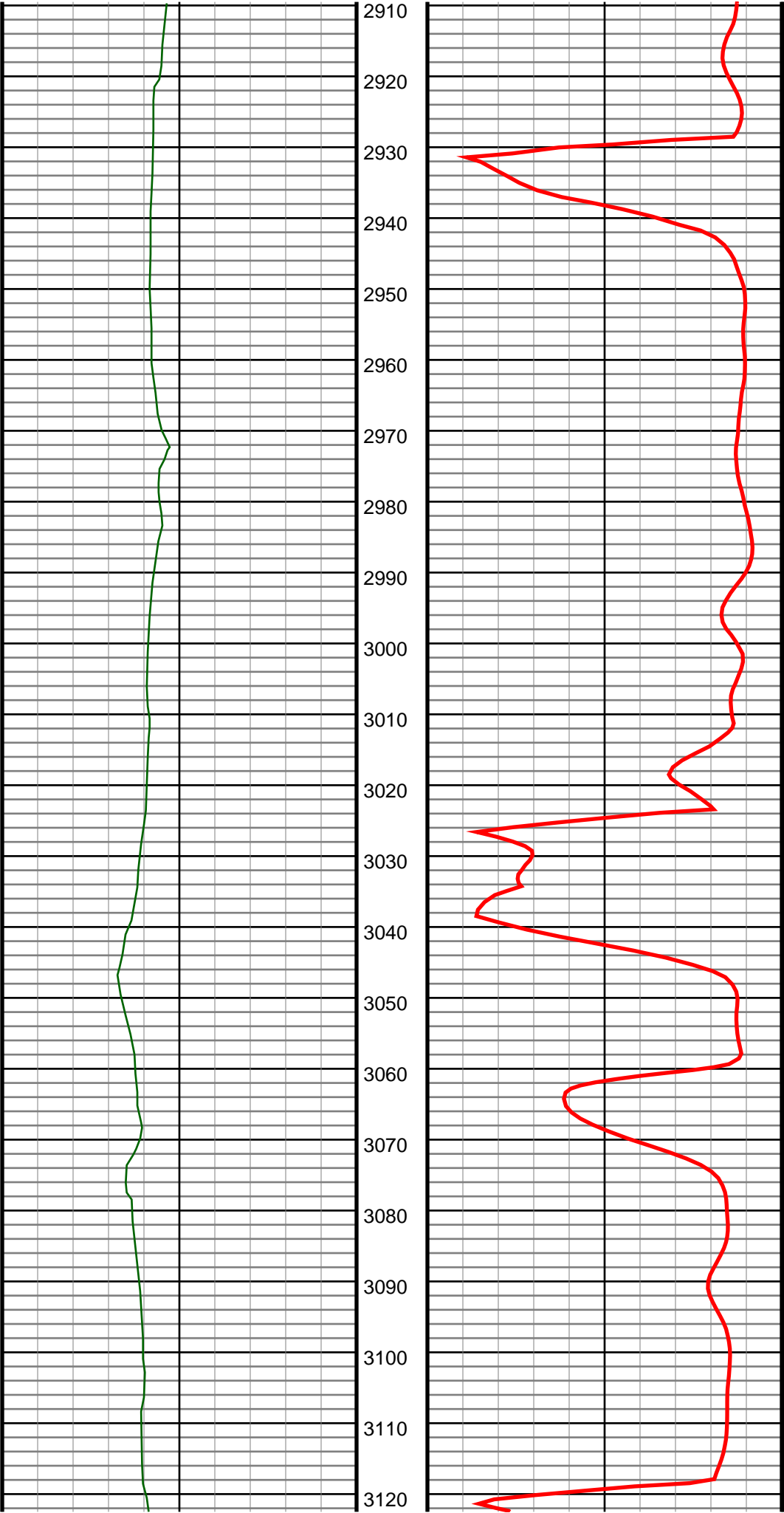


#26 MD(2499.00) Inc(11.3) Azm(11.8) TVD(2451.90) VS(-10.76) NS(416.18) EW(55.15) TEMP(0.0)
#27 MD(2595.00) Inc(12.4) Azm(13.7) TVD(2545.85) VS(-13.07) NS(435.40) EW(59.52) TEMP(0.0)
#28 MD(2690.00) Inc(14.3) Azm(17.7) TVD(2638.28) VS(-16.78) NS(456.49) EW(65.50) TEMP(0.0)



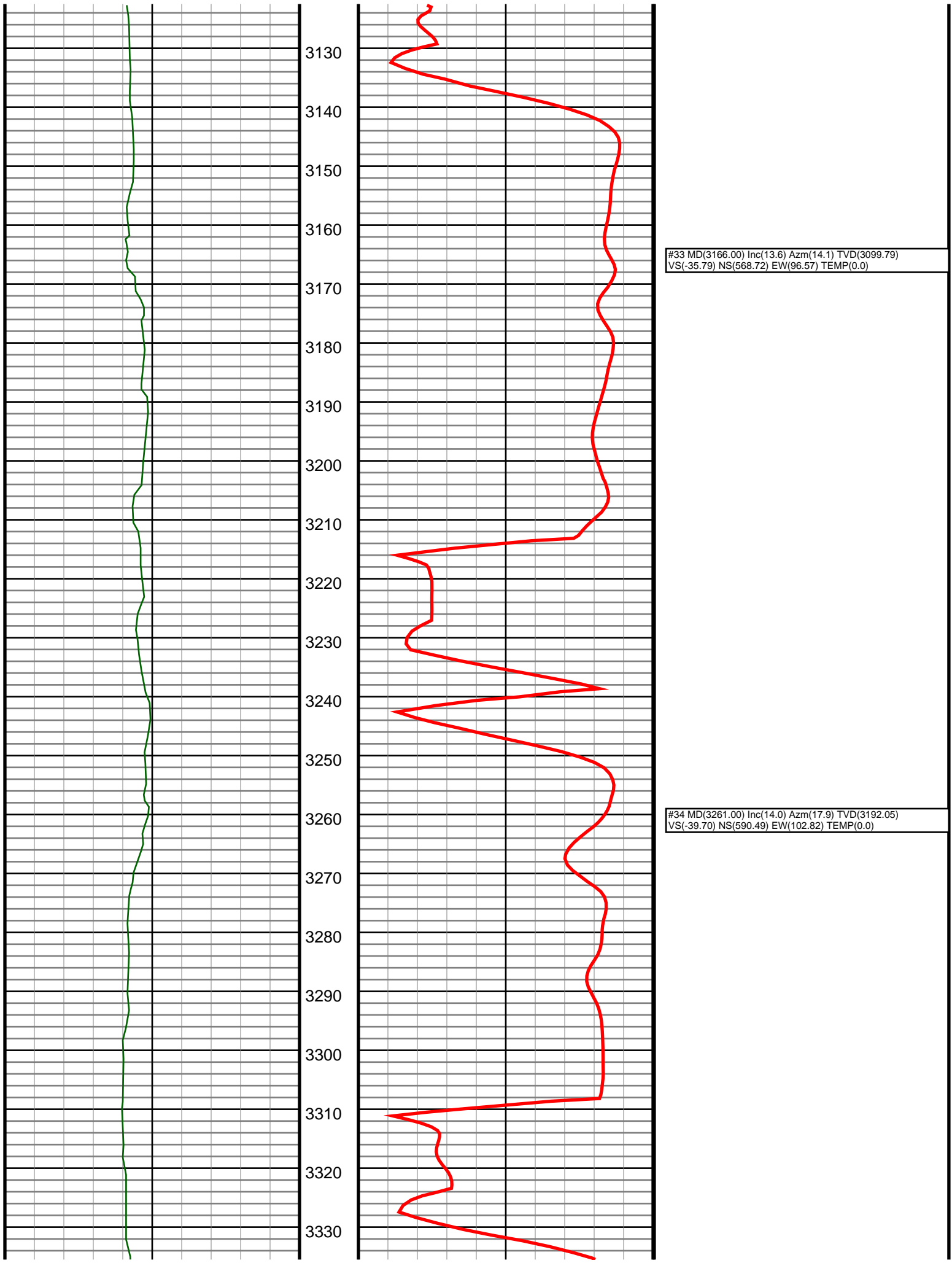
#29 MD(2785.00) Inc(14.9) Azm(17.2) TVD(2730.21)
VS(-21.50) NS(479.33) EW(72.68) TEMP(0.0)

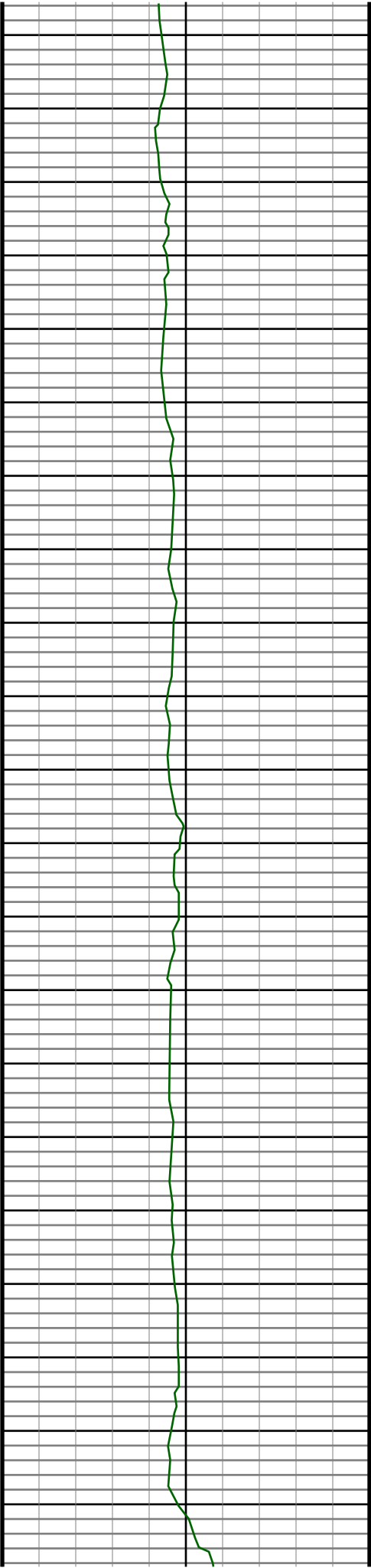
#30 MD(2880.00) Inc(14.5) Azm(16.5) TVD(2822.10)
VS(-26.01) NS(502.41) EW(79.67) TEMP(0.0)



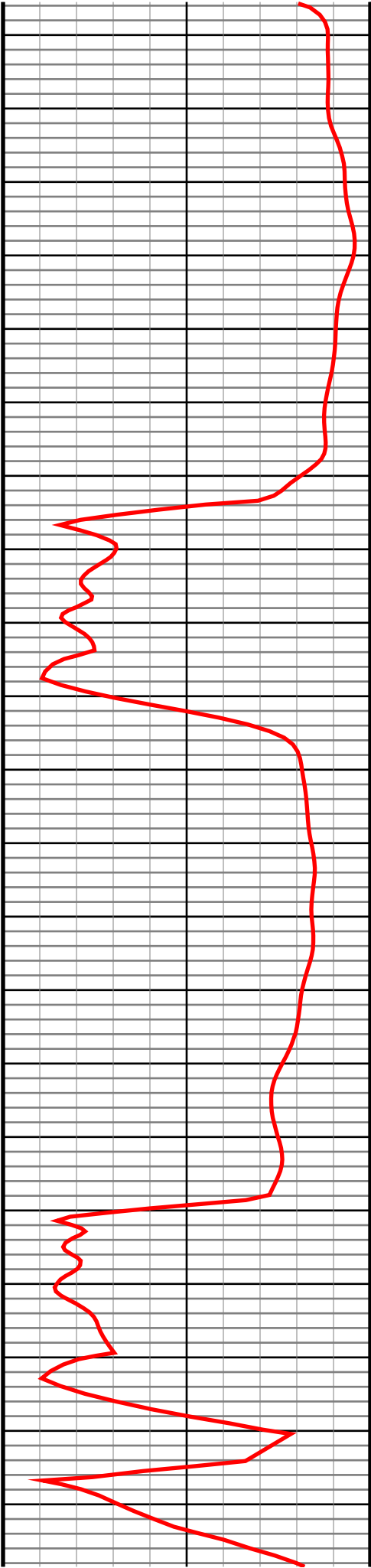
#31 MD(2976.00) Inc(13.4) Azm(15.5) TVD(2915.27)
VS(-30.00) NS(524.65) EW(86.05) TEMP(0.0)

#32 MD(3071.00) Inc(14.1) Azm(12.1) TVD(3007.55)
VS(-33.02) NS(546.57) EW(91.42) TEMP(0.0)





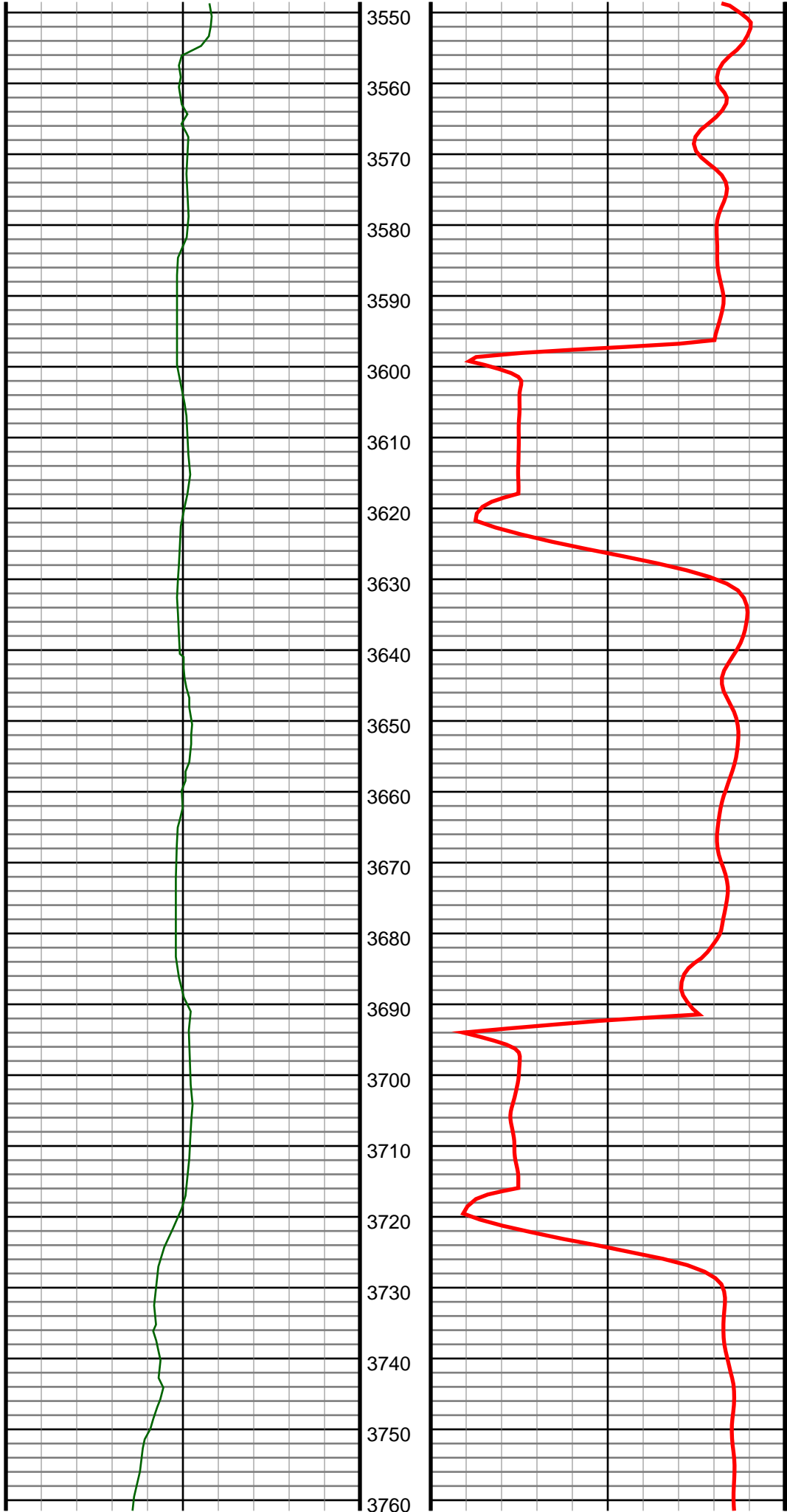
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#35 MD(3357.00) Inc(12.6) Azm(20.7) TVD(3285.47)
VS(-44.72) NS(611.33) EW(110.09) TEMP(0.0)

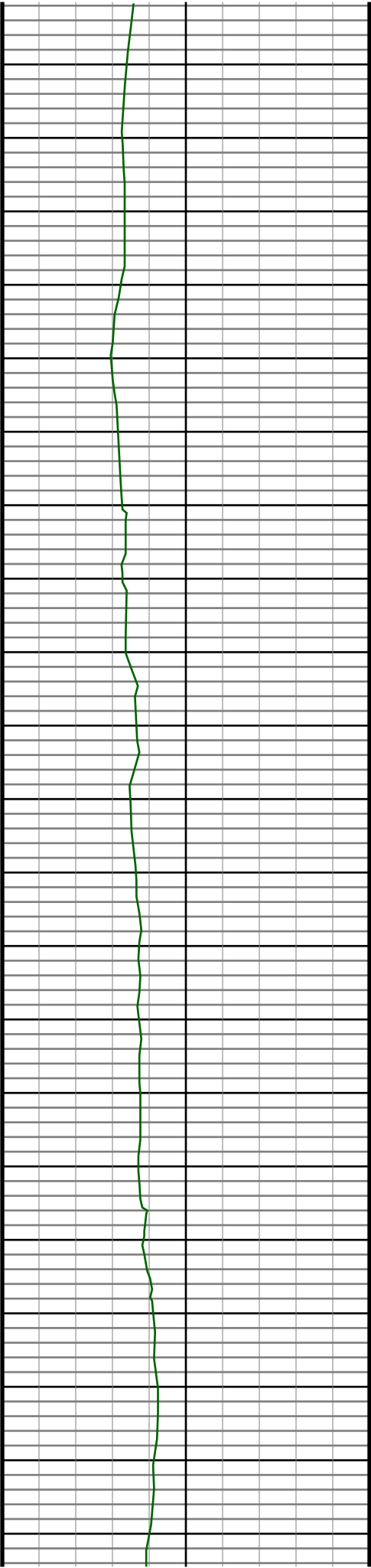
#36 MD(3452.00) Inc(11.6) Azm(9.5) TVD(3378.37)
VS(-47.91) NS(630.45) EW(115.33) TEMP(0.0)

#37 MD(3547.00) Inc(11.0) Azm(9.0) TVD(3471.53)
VS(-48.94) NS(648.82) EW(118.33) TEMP(0.0)

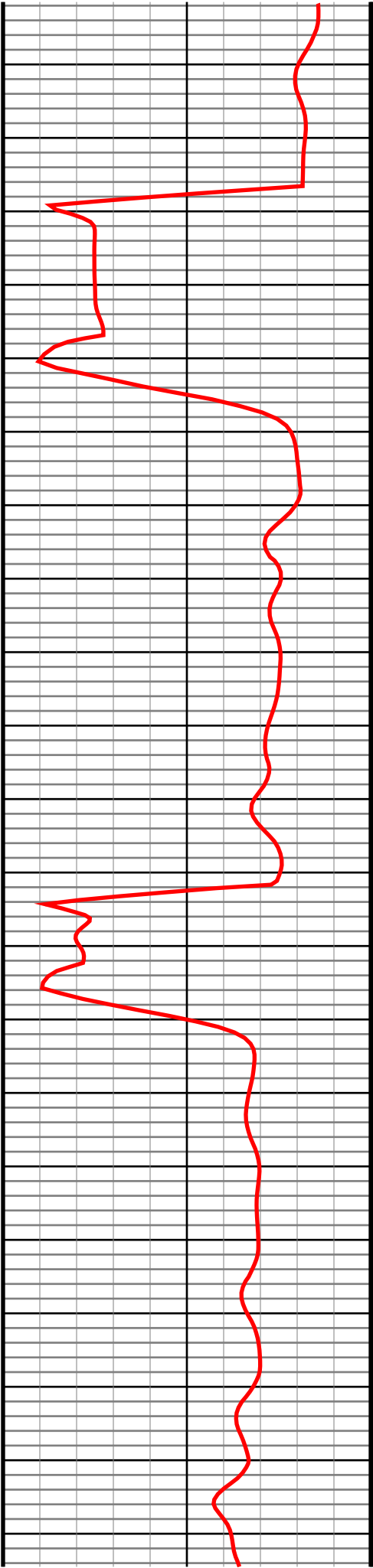


#38 MD(3642.00) Inc(11.6) Azm(14.4) TVD(3564.69)
VS(-50.78) NS(667.03) EW(122.12) TEMP(0.0)

#39 MD(3737.00) Inc(13.5) Azm(24.6) TVD(3657.43)
VS(-55.69) NS(686.36) EW(129.11) TEMP(0.0)

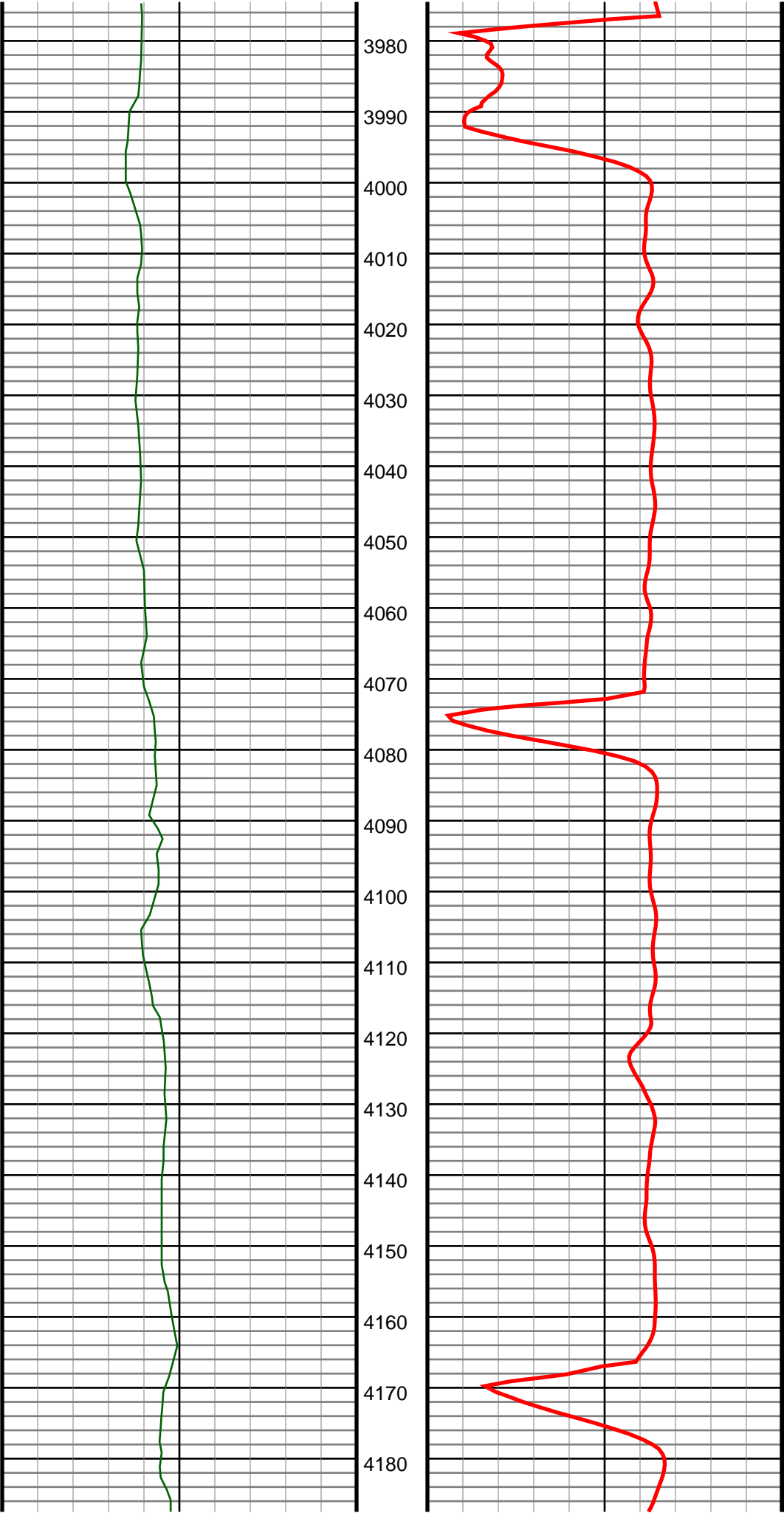


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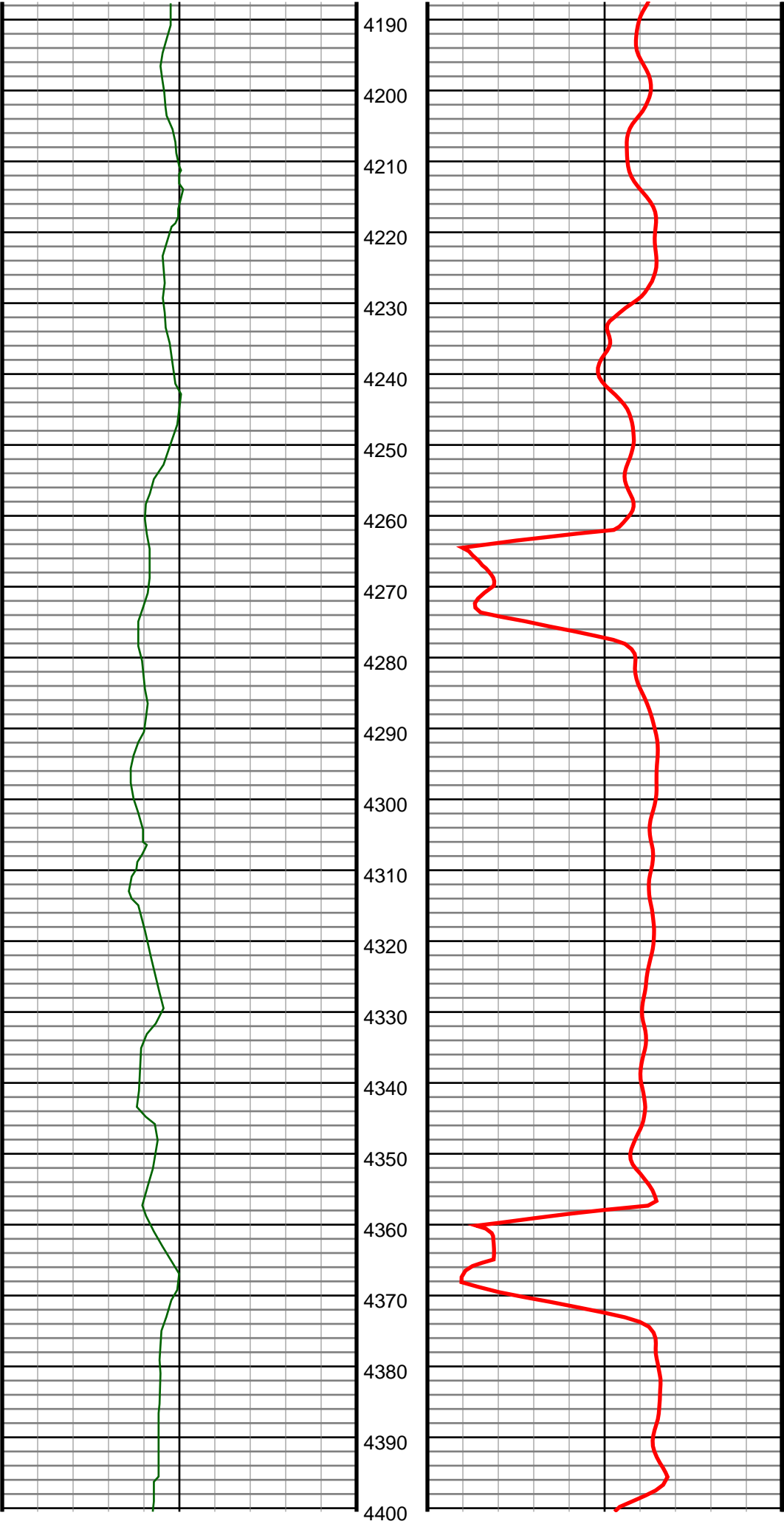
#40 MD(3832.00) Inc(16.8) Azm(24.4) TVD(3749.11)
VS(-63.53) NS(708.96) EW(139.40) TEMP(0.0)

#41 MD(3928.00) Inc(17.4) Azm(19.3) TVD(3840.87)
VS(-71.17) NS(735.14) EW(149.88) TEMP(0.0)



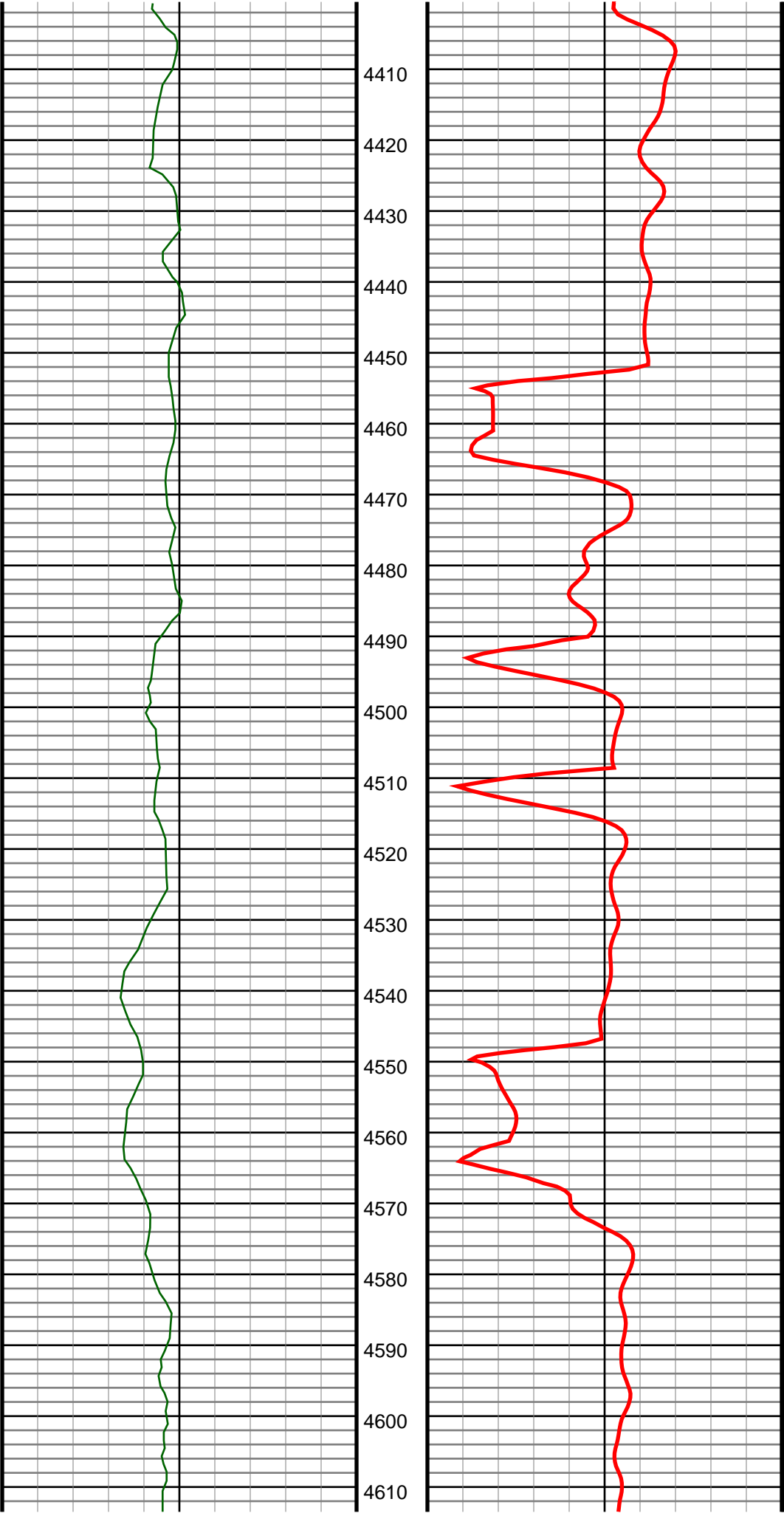
#42 MD(4023.00) Inc(17.1) Azm(12.6) TVD(3931.61)
VS(-76.01) NS(762.18) EW(157.62) TEMP(0.0)

#43 MD(4118.00) Inc(16.5) Azm(11.1) TVD(4022.56)
VS(-78.77) NS(789.05) EW(163.27) TEMP(0.0)



#44 MD(4213.00) Inc(14.9) Azm(9.5) TVD(4114.01)
VS(-80.68) NS(814.33) EW(167.88) TEMP(0.0)

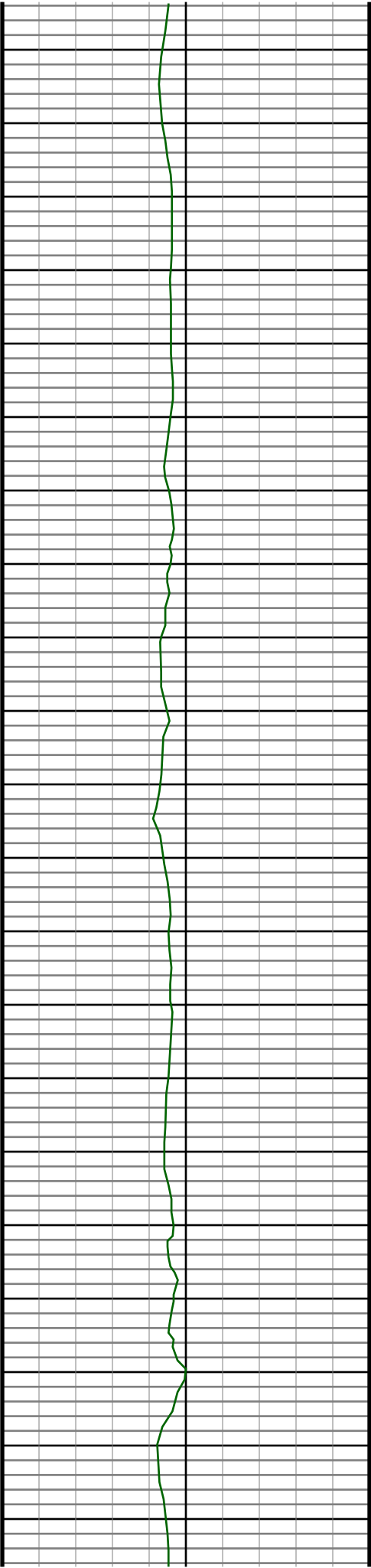
#45 MD(4308.00) Inc(13.0) Azm(14.1) TVD(4206.21)
VS(-82.90) NS(836.75) EW(172.50) TEMP(0.0)



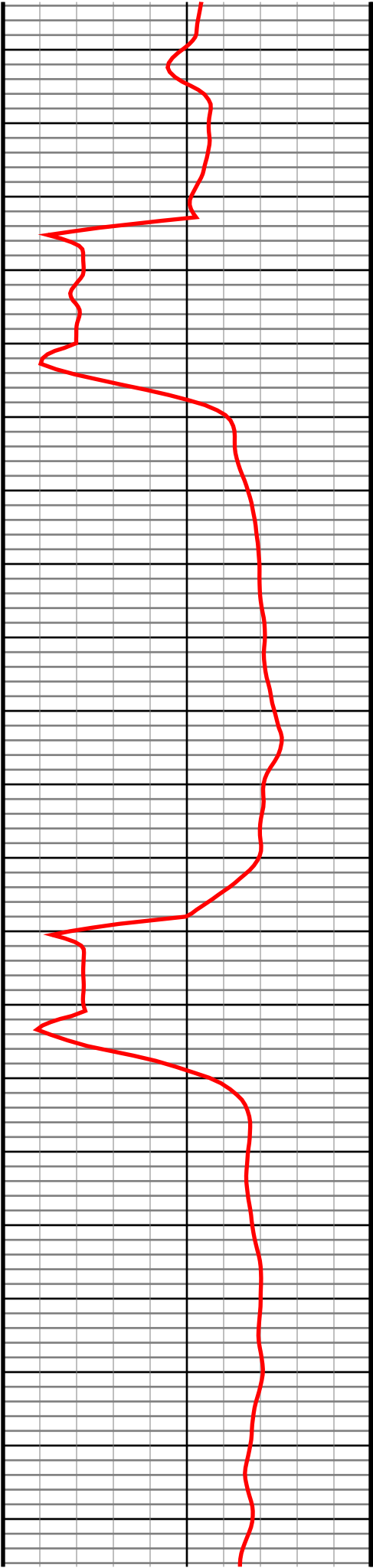
#46 MD(4404.00) Inc(10.9) Azm(11.1) TVD(4300.12)
VS(-85.20) NS(856.13) EW(176.88) TEMP(0.0)

#47 MD(4499.00) Inc(9.7) Azm(3.3) TVD(4393.59)
VS(-85.60) NS(872.93) EW(179.07) TEMP(0.0)

#48 MD(4594.00) Inc(8.0) Azm(1.4) TVD(4487.46)
VS(-84.67) NS(887.53) EW(179.69) TEMP(0.0)



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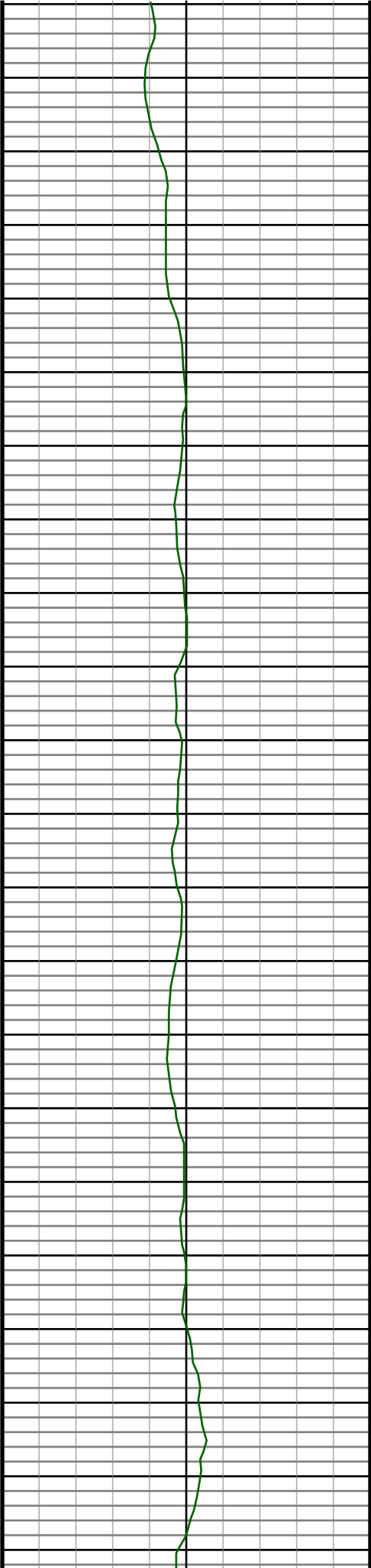
#49 MD(4689.00) Inc(7.1) Azm(12.6) TVD(4581.64)
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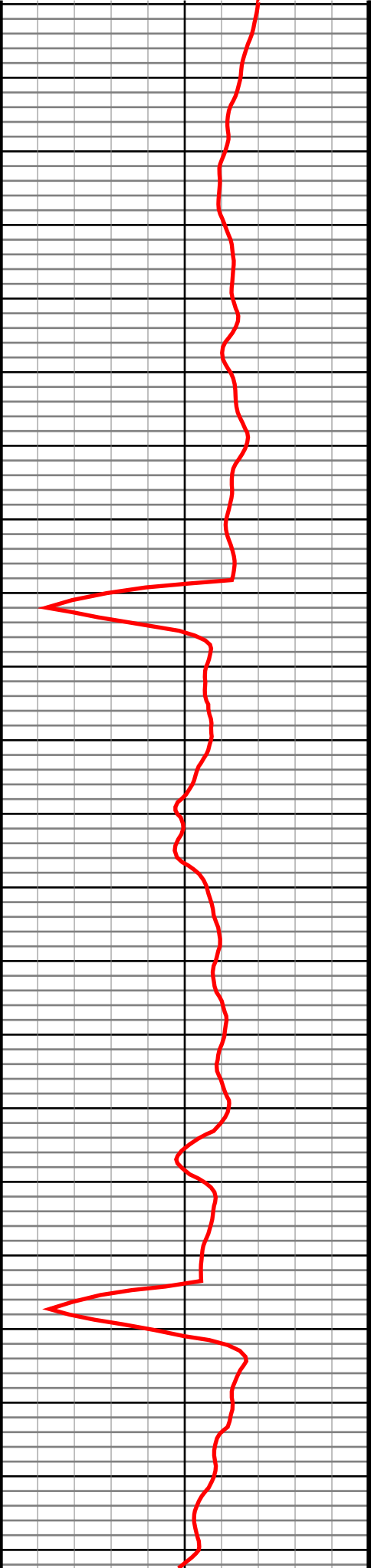


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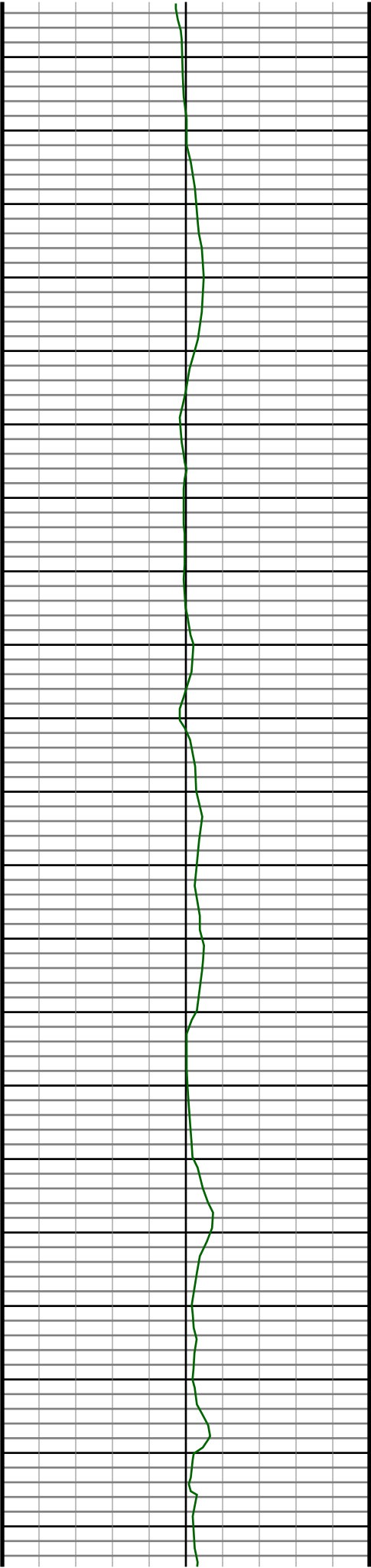


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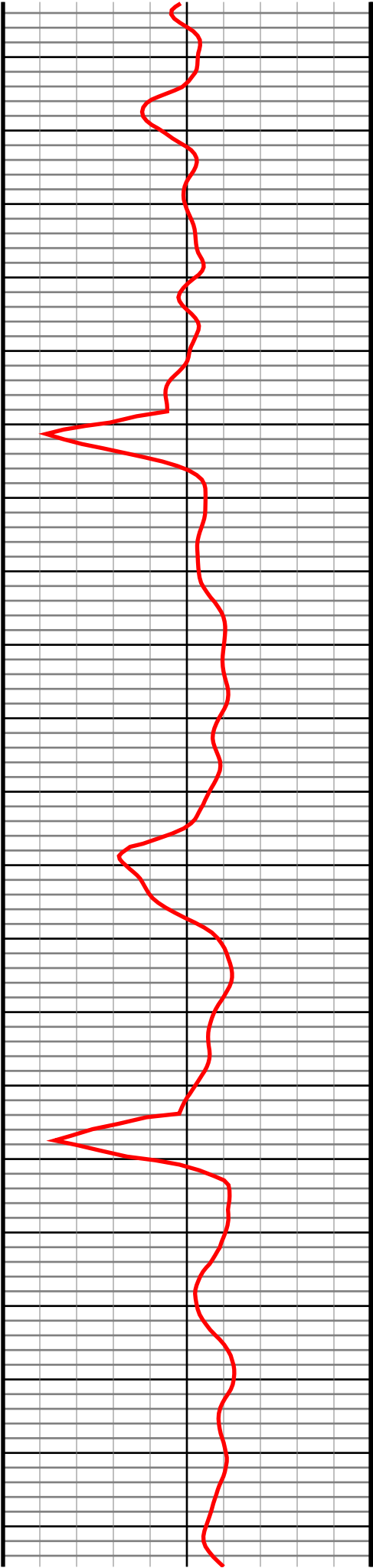


#53 MD(5069.00) Inc(0.7) Azm(107.0) TVD(4960.95)
VS(-90.28) NS(914.38) EW(188.18) TEMP(0.0)

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VS(-91.34) NS(914.13) EW(189.23) TEMP(0.0)



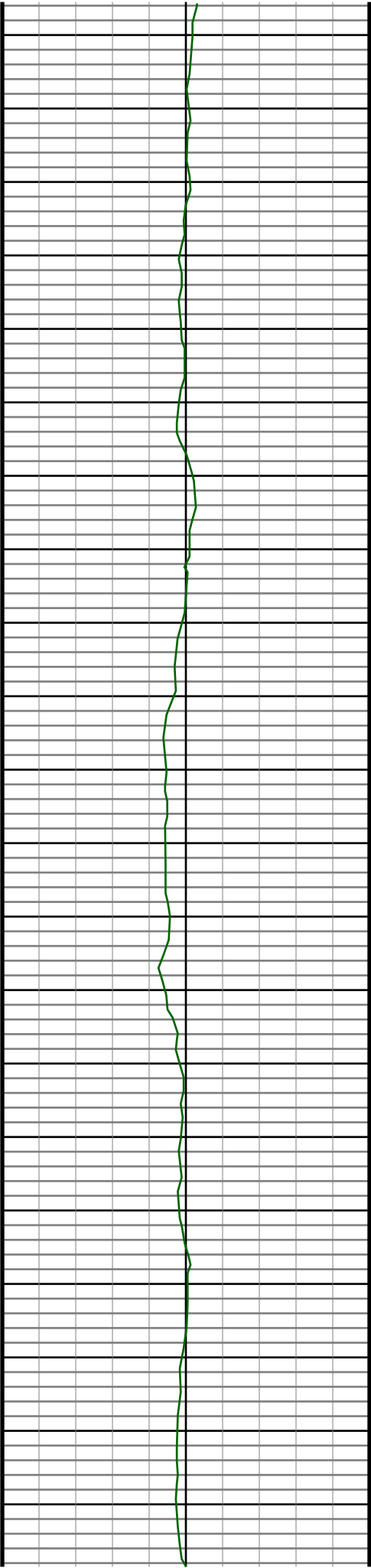
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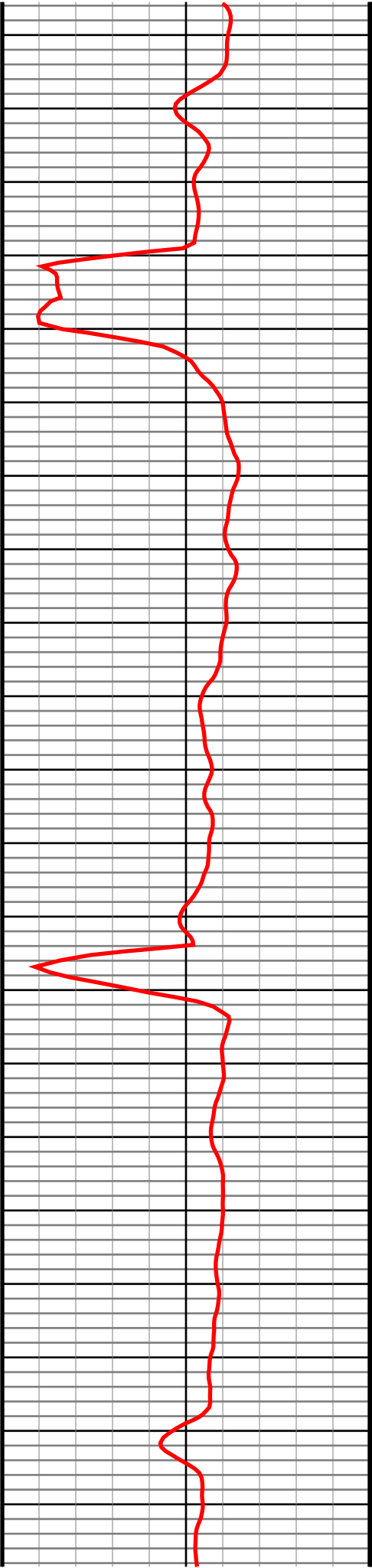
#55 MD(5259.00) Inc(0.4) Azm(56.2) TVD(5150.94)
VS(-92.10) NS(914.24) EW(190.00) TEMP(0.0)

#56 MD(5355.00) Inc(1.0) Azm(90.7) TVD(5246.93)
VS(-93.19) NS(914.41) EW(191.11) TEMP(0.0)

#57 MD(5450.00) Inc(1.0) Azm(93.3) TVD(5341.92)
VS(-94.84) NS(914.36) EW(192.77) TEMP(0.0)

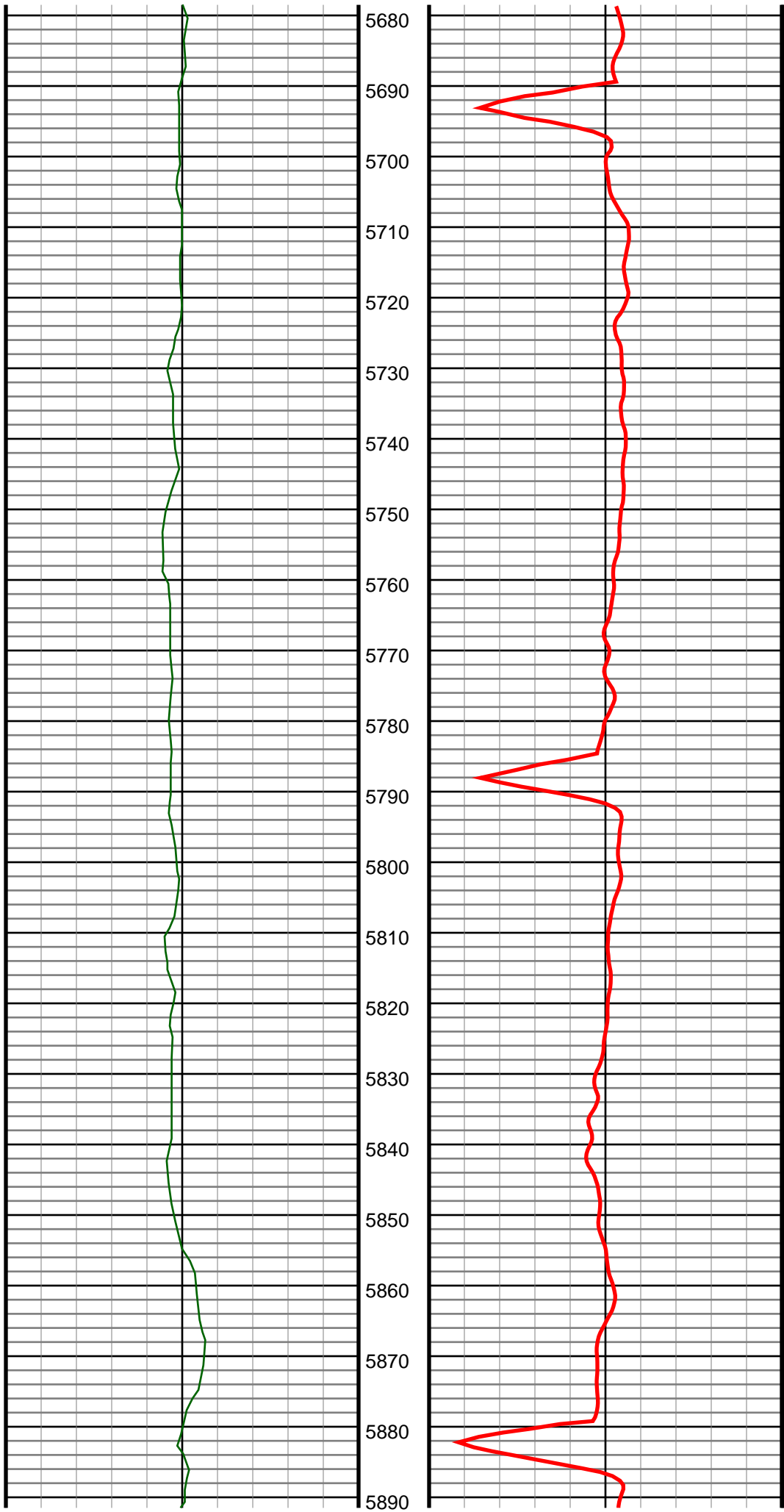


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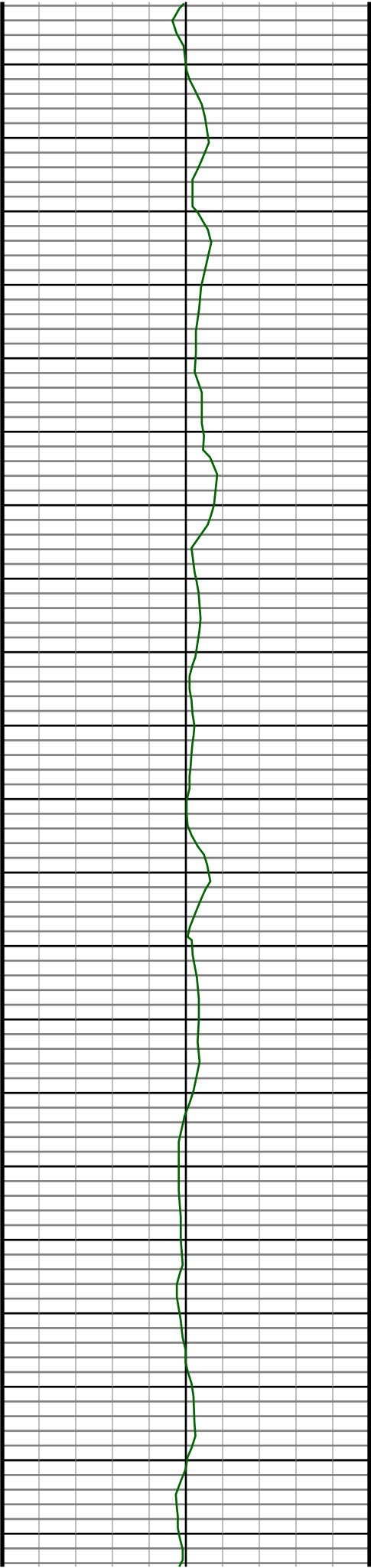
#58 MD(5545.00) Inc(0.3) Azm(33.2) TVD(5436.91)
VS(-95.78) NS(914.52) EW(193.73) TEMP(0.0)

#59 MD(5640.00) Inc(0.4) Azm(257.3) TVD(5531.91)
VS(-95.58) NS(914.65) EW(193.55) TEMP(0.0)

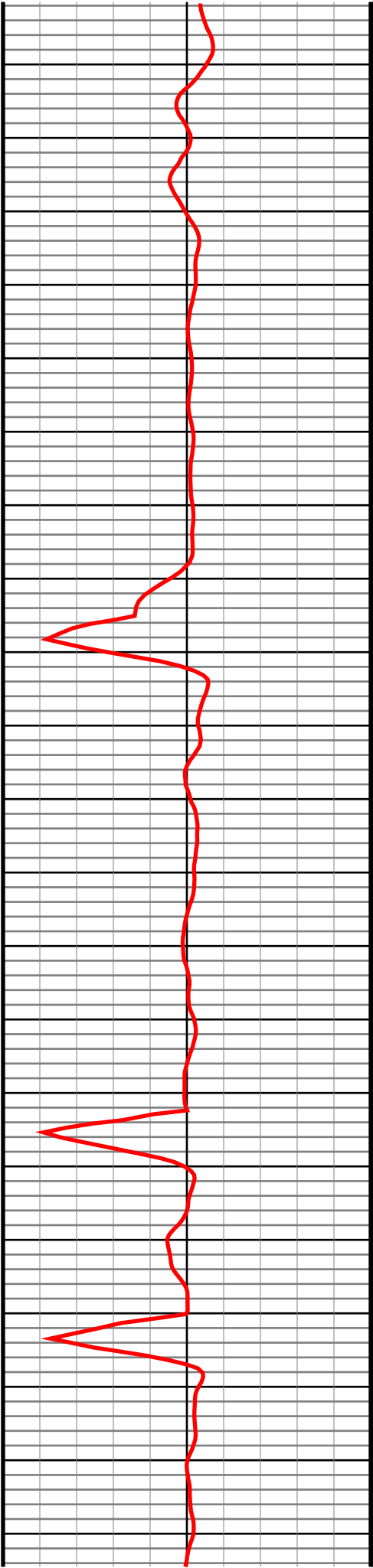


#60 MD(5735.00) Inc(0.0) Azm(100.5) TVD(5626.91)
VS(-95.27) NS(914.58) EW(193.22) TEMP(0.0)

#61 MD(5830.00) Inc(0.4) Azm(73.5) TVD(5721.91)
VS(-95.57) NS(914.67) EW(193.54) TEMP(0.0)

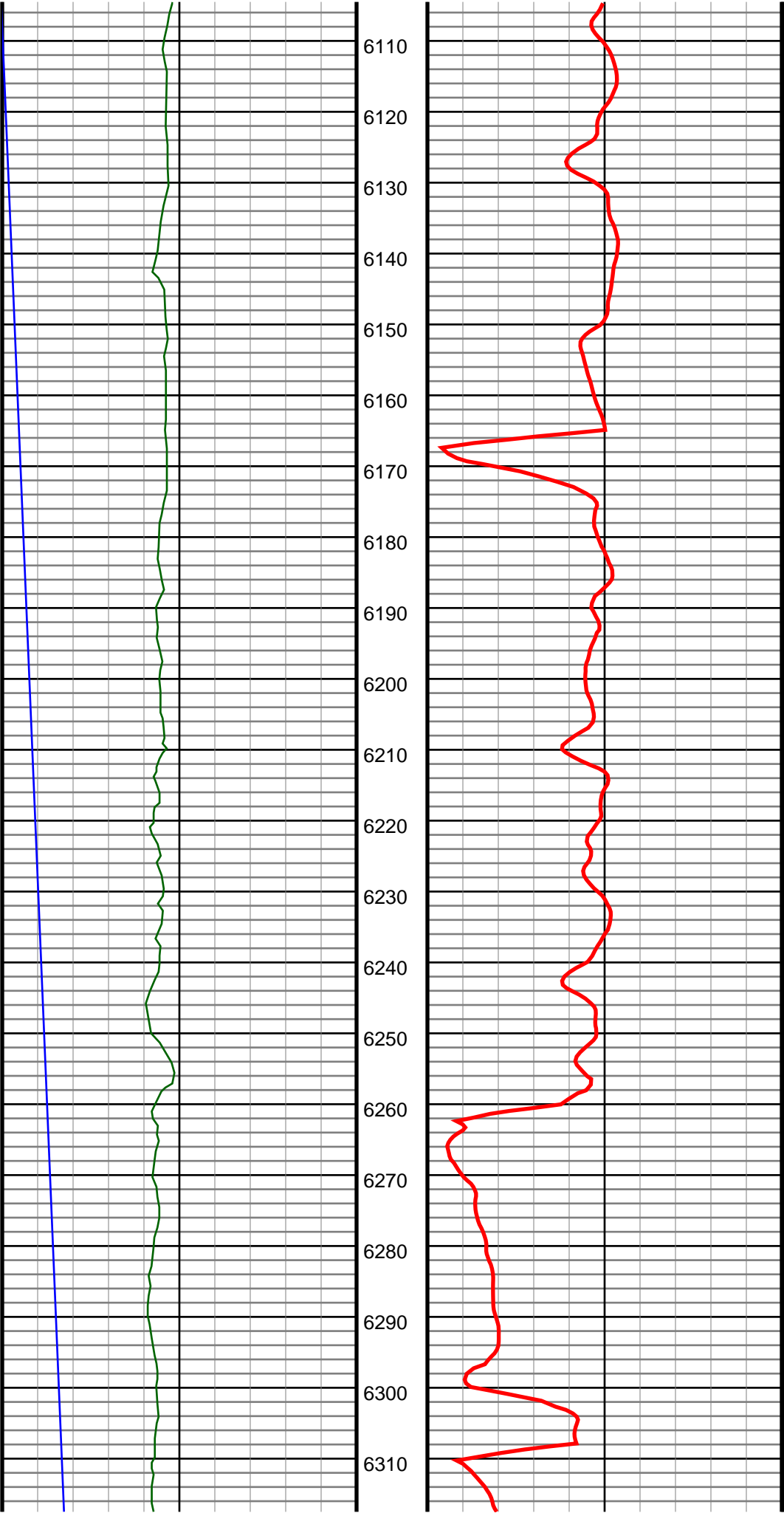


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#62 MD(5926.00) Inc(0.5) Azm(102.1) TVD(5817.90)
VS(-96.30) NS(914.68) EW(194.27) TEMP(0.0)

#63 MD(6021.00) Inc(0.7) Azm(99.3) TVD(5912.90)
VS(-97.29) NS(914.50) EW(195.25) TEMP(0.0)

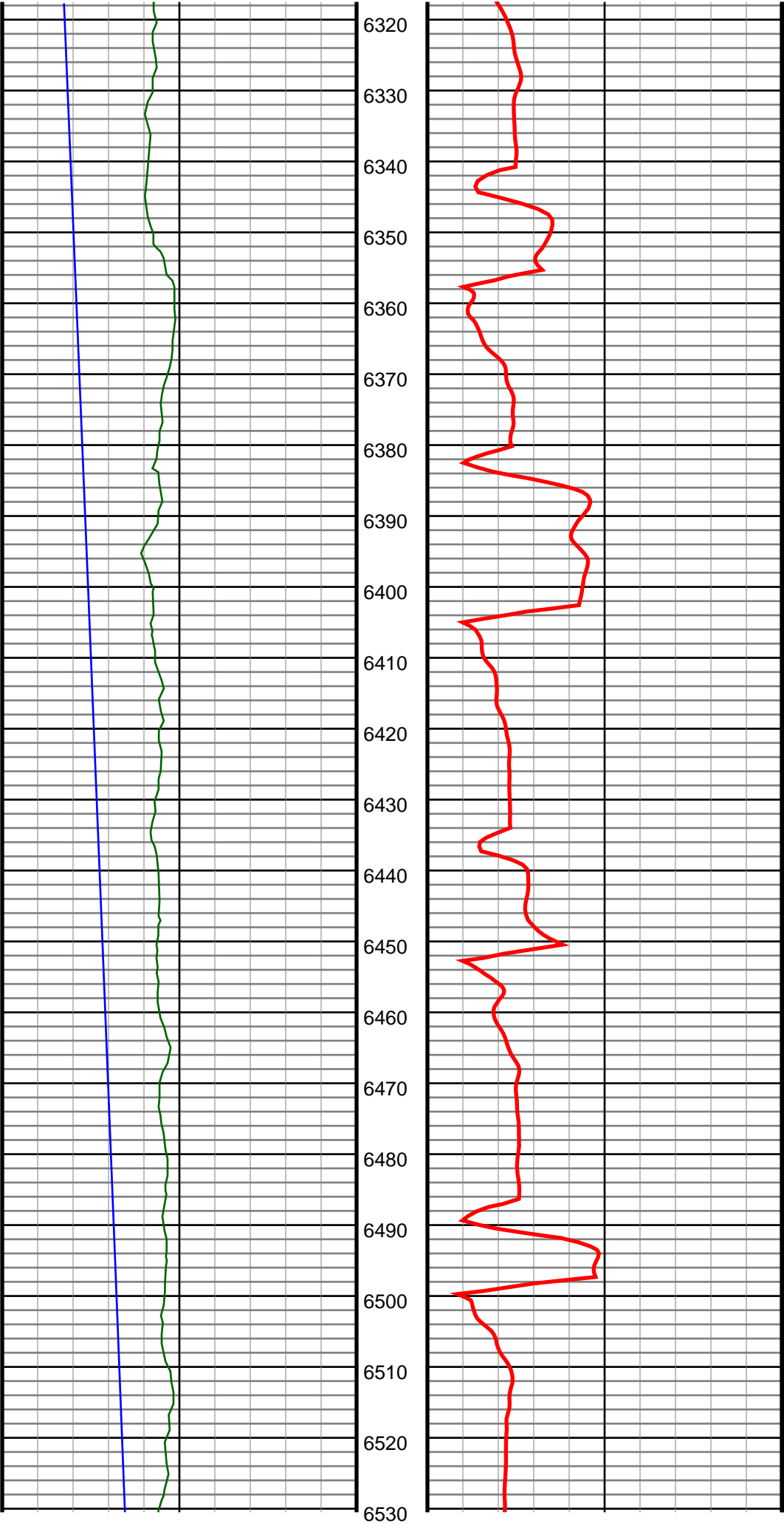


#64 MD(6116.00) Inc(0.8) Azm(118.3) TVD(6007.89)
VS(-98.48) NS(914.09) EW(196.41) TEMP(0.0)

#65 MD(6211.00) Inc(0.8) Azm(168.9) TVD(6102.88)
VS(-99.29) NS(913.13) EW(197.12) TEMP(0.0)

#66 MD(6259.00) Inc(1.0) Azm(199.5) TVD(6150.88)
VS(-99.30) NS(912.40) EW(197.04) TEMP(0.0)

#67 MD(6307.00) Inc(5.2) Azm(266.3) TVD(6198.80)
VS(-97.05) NS(911.87) EW(194.73) TEMP(0.0)

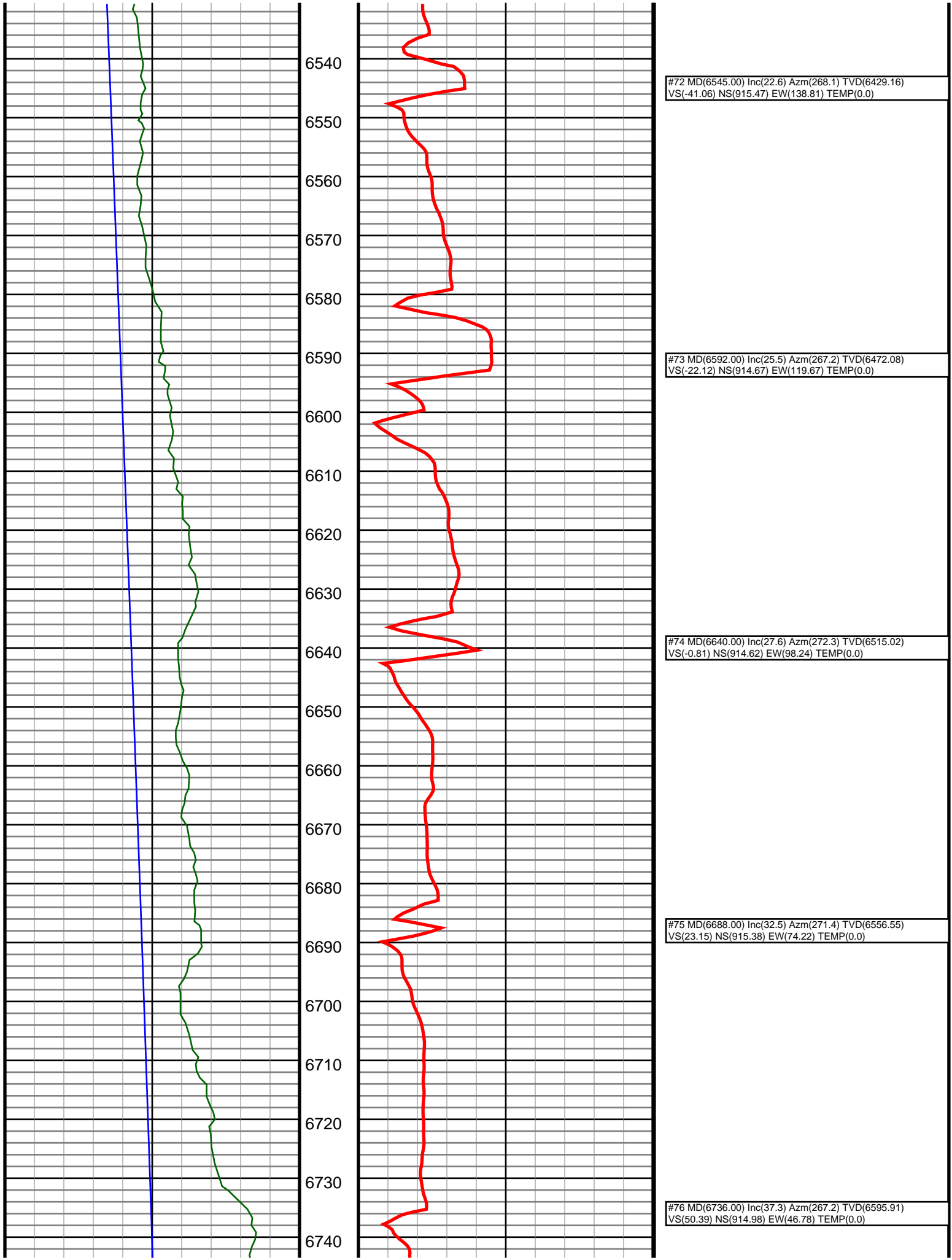


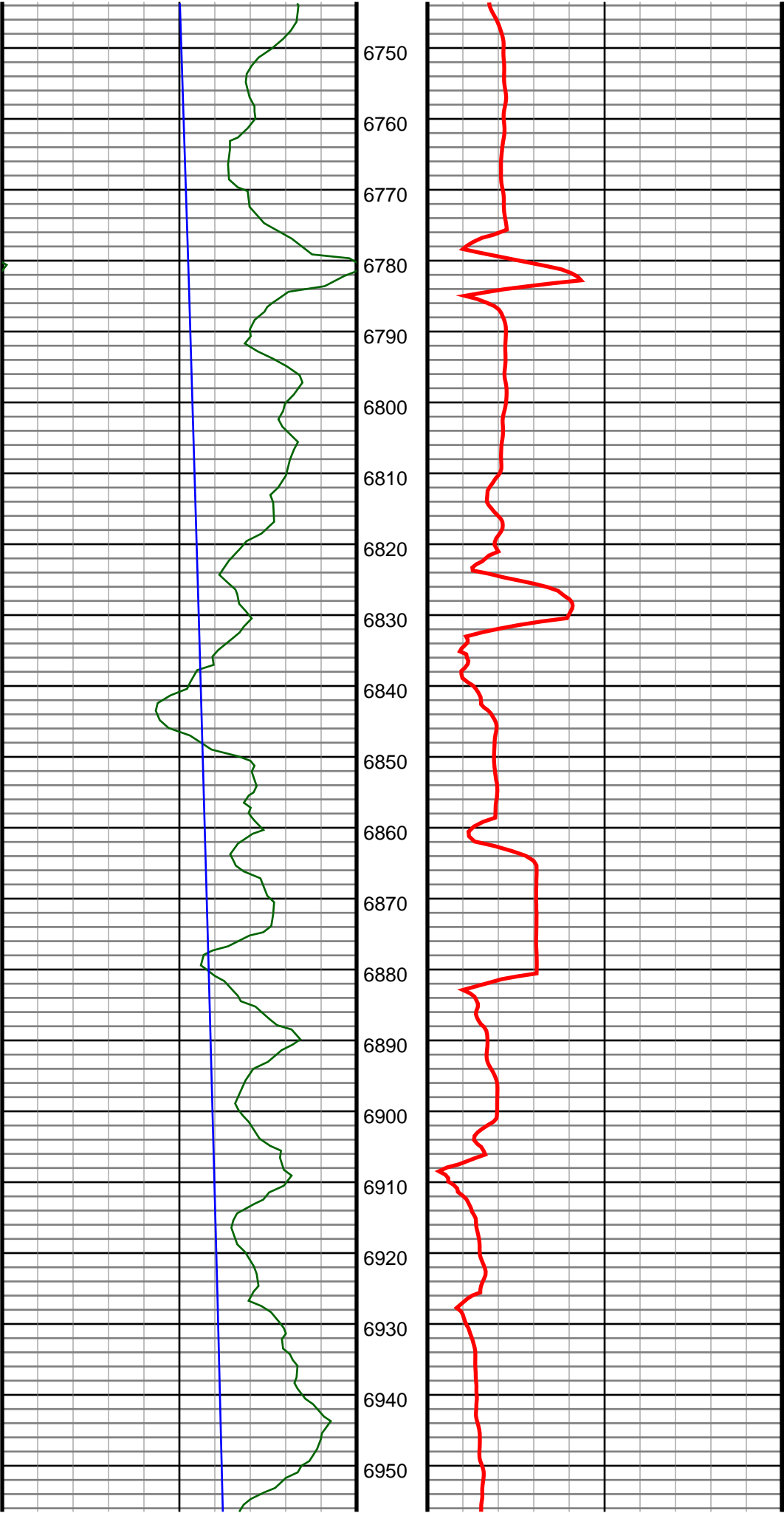
#68 MD(6355.00) Inc(8.9) Azm(275.1) TVD(6246.43)
VS(-91.20) NS(912.06) EW(188.86) TEMP(0.0)

#69 MD(6402.00) Inc(11.5) Azm(278.8) TVD(6292.69)
VS(-82.88) NS(913.10) EW(180.61) TEMP(0.0)

#70 MD(6450.00) Inc(15.1) Azm(276.0) TVD(6339.39)
VS(-71.84) NS(914.48) EW(169.66) TEMP(0.0)

#71 MD(6497.00) Inc(19.1) Azm(272.4) TVD(6384.31)
VS(-58.04) NS(915.44) EW(155.88) TEMP(0.0)



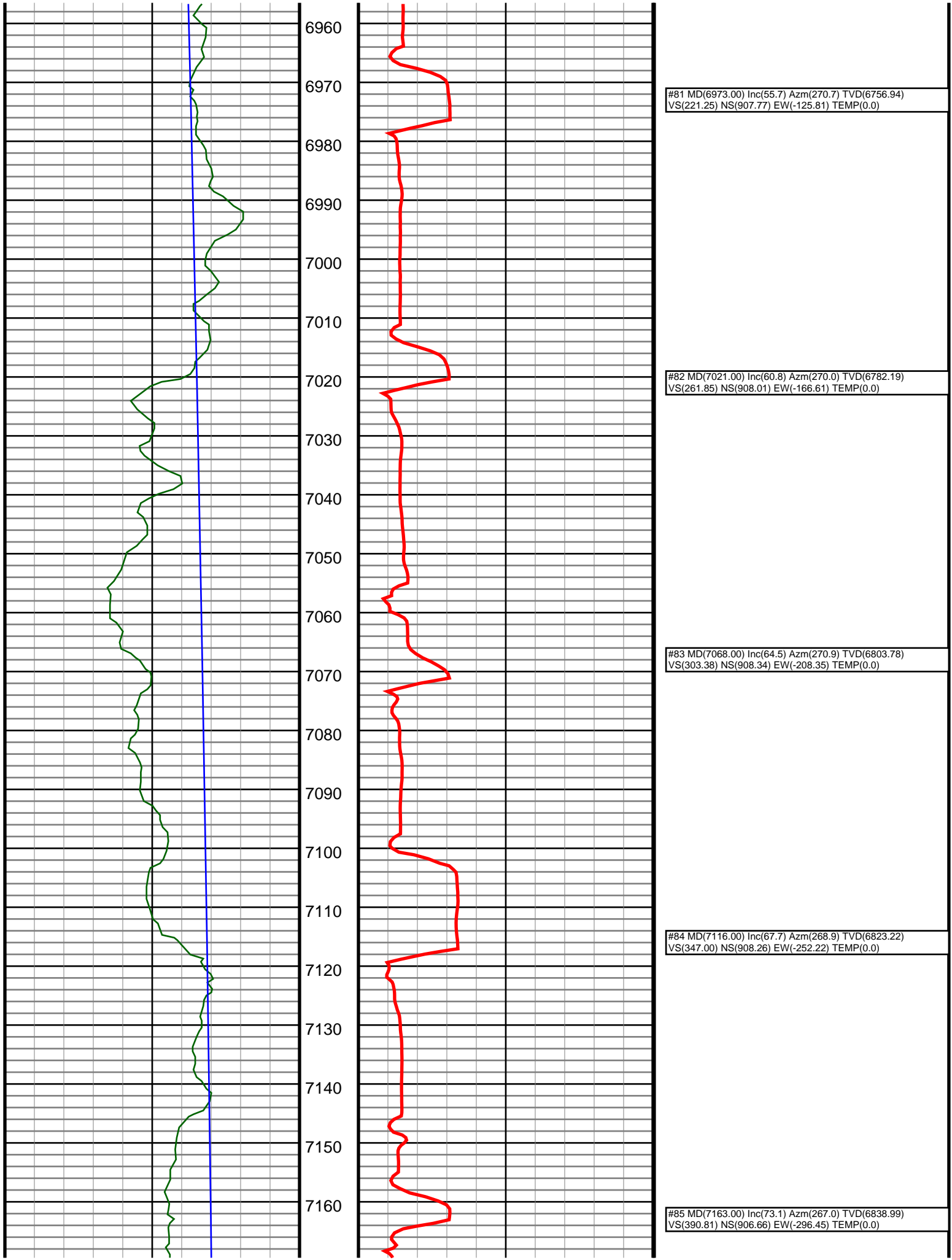


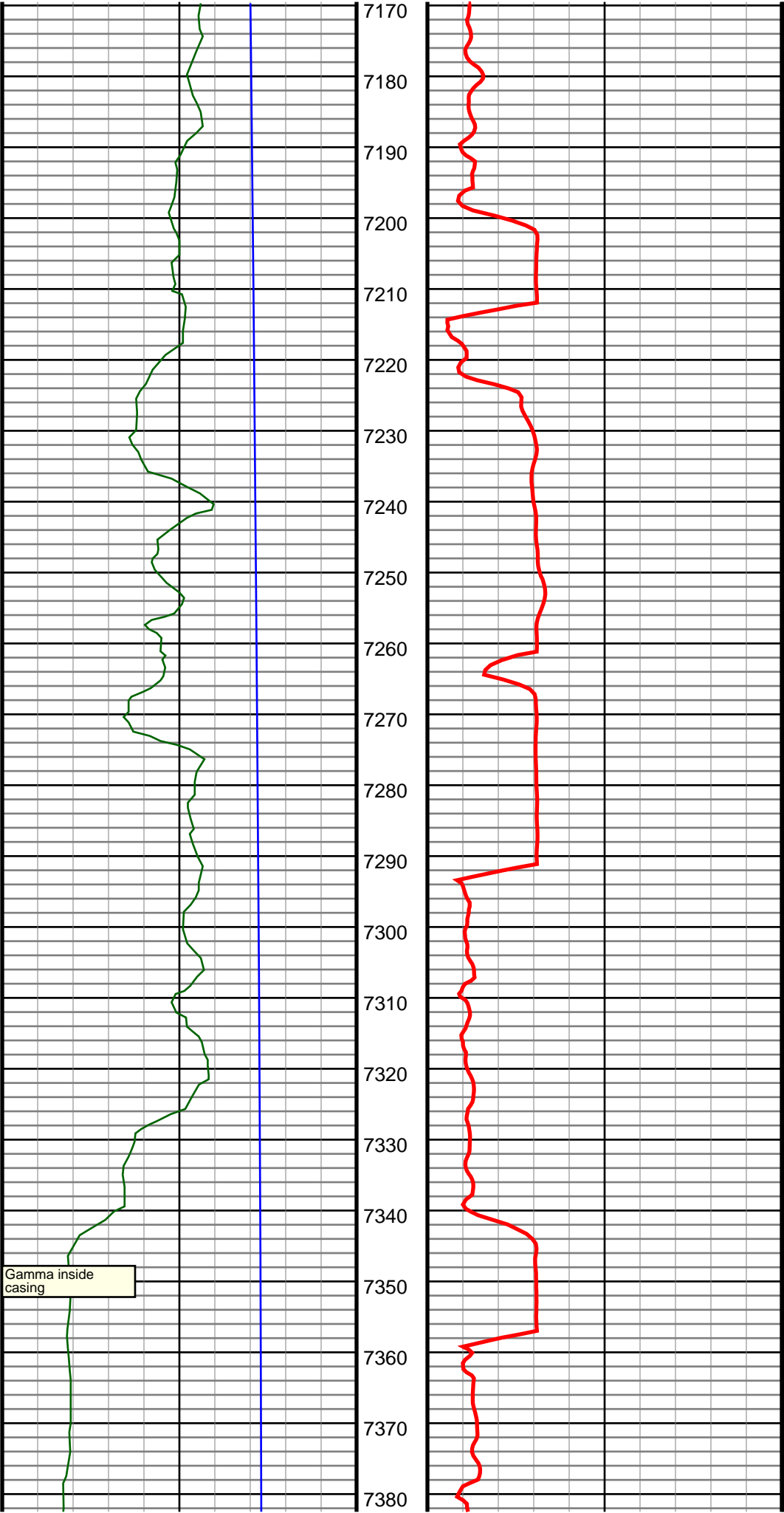
#77 MD(6783.00) Inc(42.4) Azm(266.8) TVD(6631.99)
VS(80.12) NS(913.40) EW(16.72) TEMP(0.0)

#78 MD(6831.00) Inc(46.6) Azm(265.2) TVD(6666.22)
VS(113.23) NS(911.04) EW(-16.83) TEMP(0.0)

#79 MD(6878.00) Inc(48.6) Azm(267.9) TVD(6697.91)
VS(147.45) NS(908.96) EW(-51.47) TEMP(0.0)

#80 MD(6926.00) Inc(51.0) Azm(268.8) TVD(6728.89)
VS(183.78) NS(907.91) EW(-88.11) TEMP(0.0)



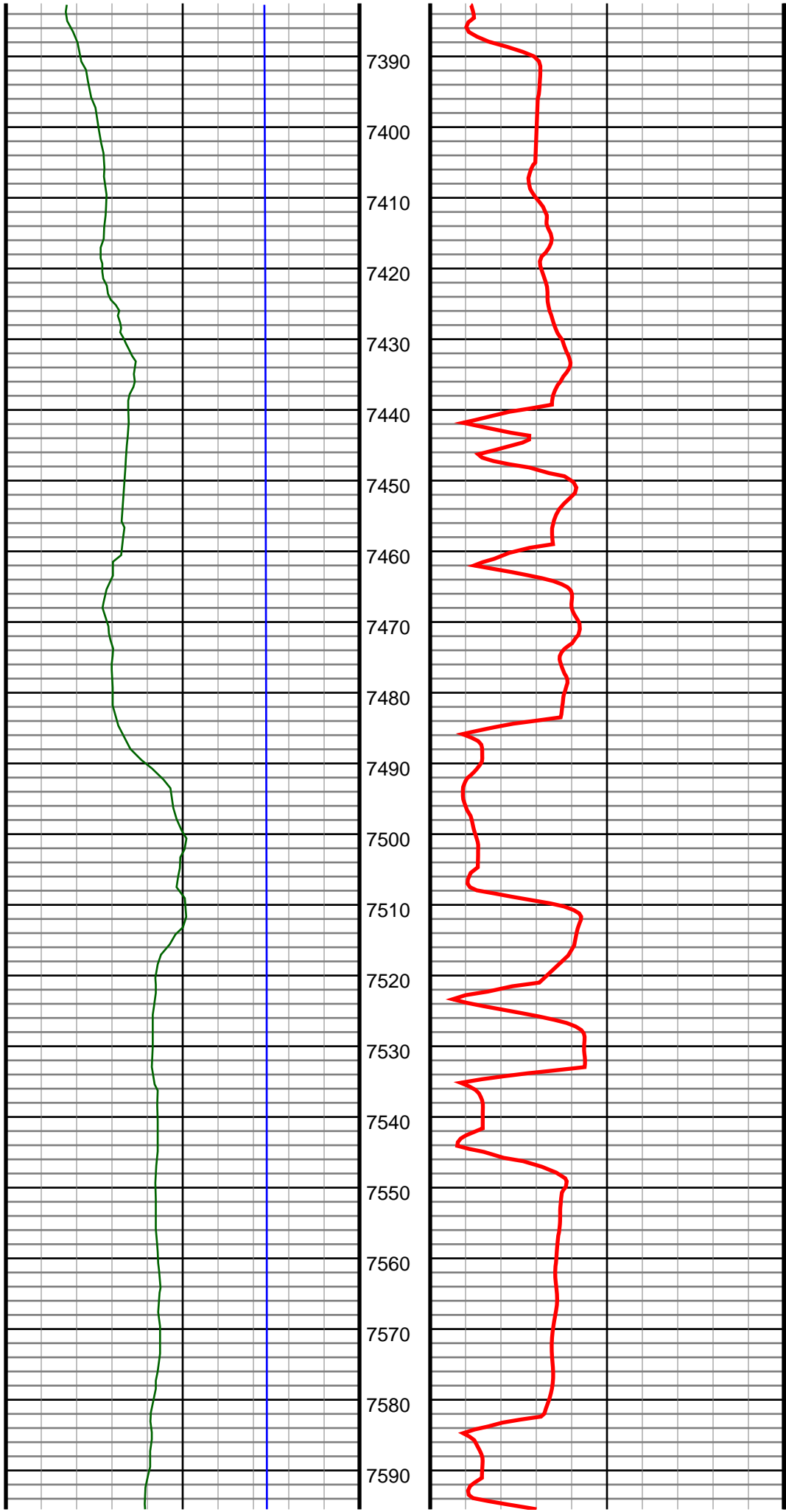


#86 MD(7211.00) Inc(77.7) Azm(266.1) TVD(6851.08)
VS(436.61) NS(903.86) EW(-342.80) TEMP(0.0)

#87 MD(7259.00) Inc(78.3) Azm(265.8) TVD(6861.06)
VS(482.83) NS(900.55) EW(-389.64) TEMP(0.0)

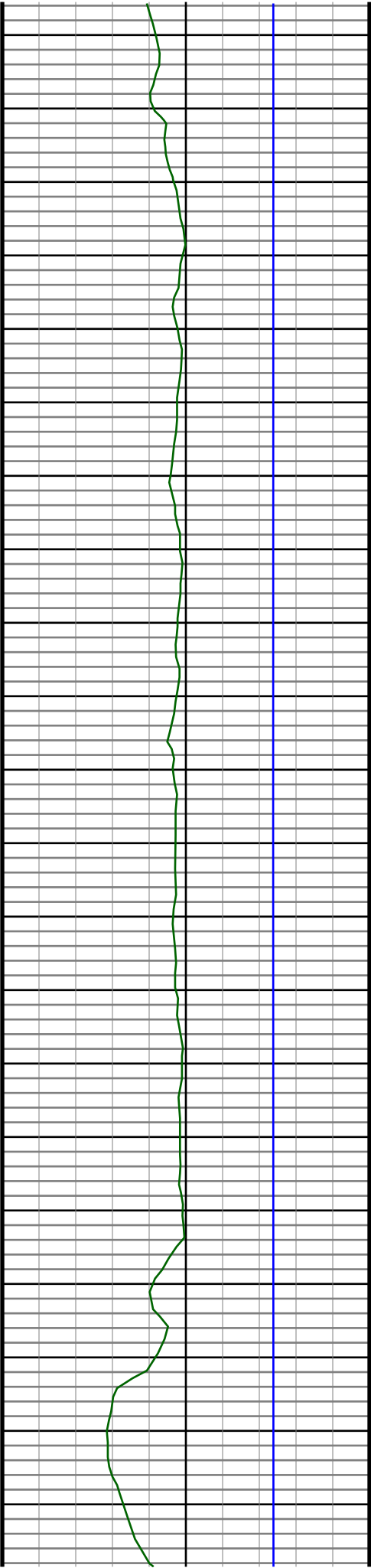
#88 MD(7307.00) Inc(81.3) Azm(266.6) TVD(6869.56)
VS(529.36) NS(897.42) EW(-436.77) TEMP(0.0)

#89 MD(7346.00) Inc(84.2) Azm(269.1) TVD(6874.48)
VS(567.65) NS(895.97) EW(-475.42) TEMP(0.0)

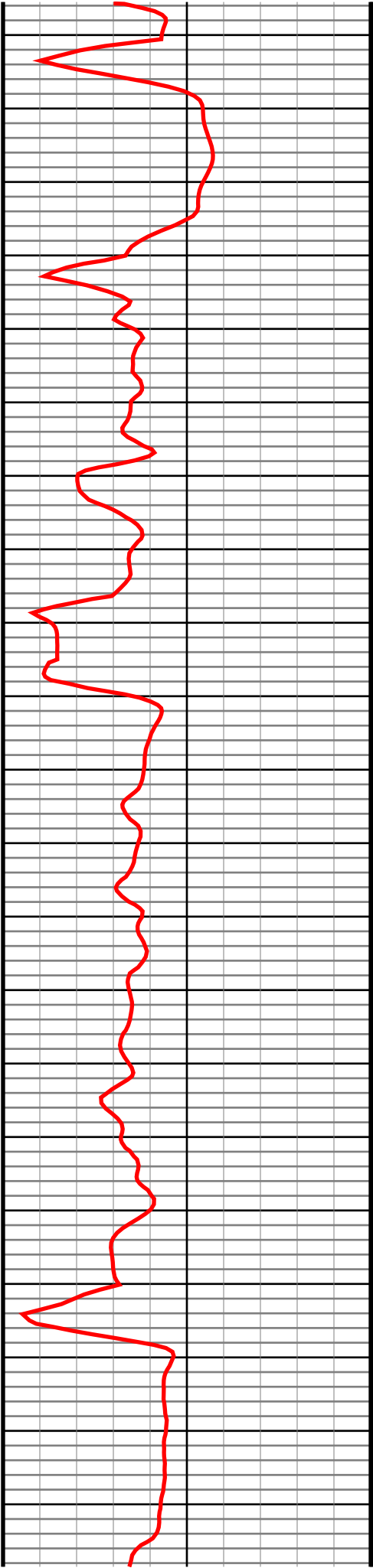


#90 MD(7424.00) Inc(87.0) Azm(271.6) TVD(6880.47)
VS(645.01) NS(896.45) EW(-553.18) TEMP(0.0)

#91 MD(7518.00) Inc(87.5) Azm(269.1) TVD(6884.98)
VS(738.43) NS(897.02) EW(-647.06) TEMP(0.0)



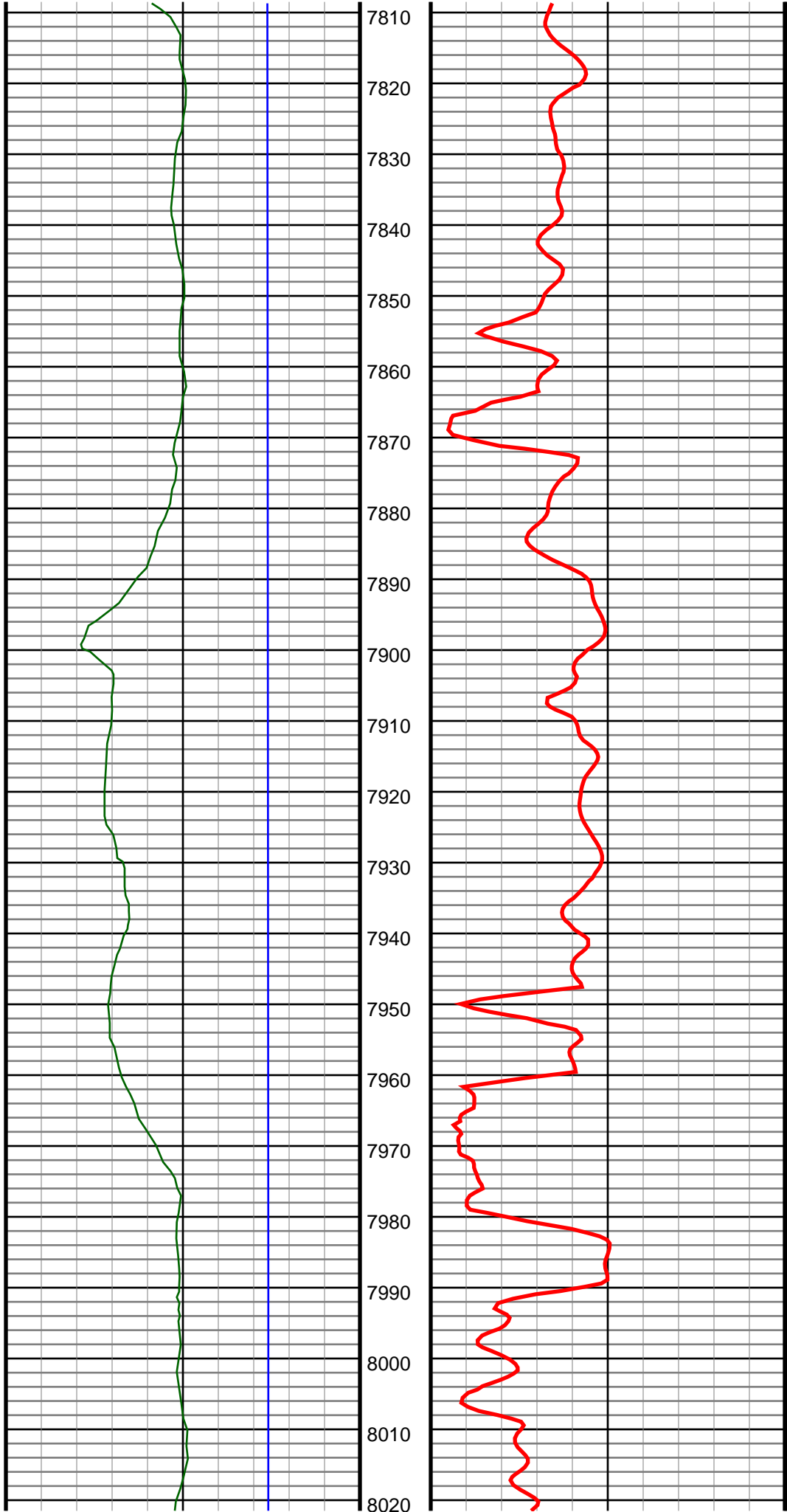
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#92 MD(7613.00) Inc(91.4) Azm(270.0) TVD(6885.89)
VS(832.79) NS(896.27) EW(-742.03) TEMP(0.0)

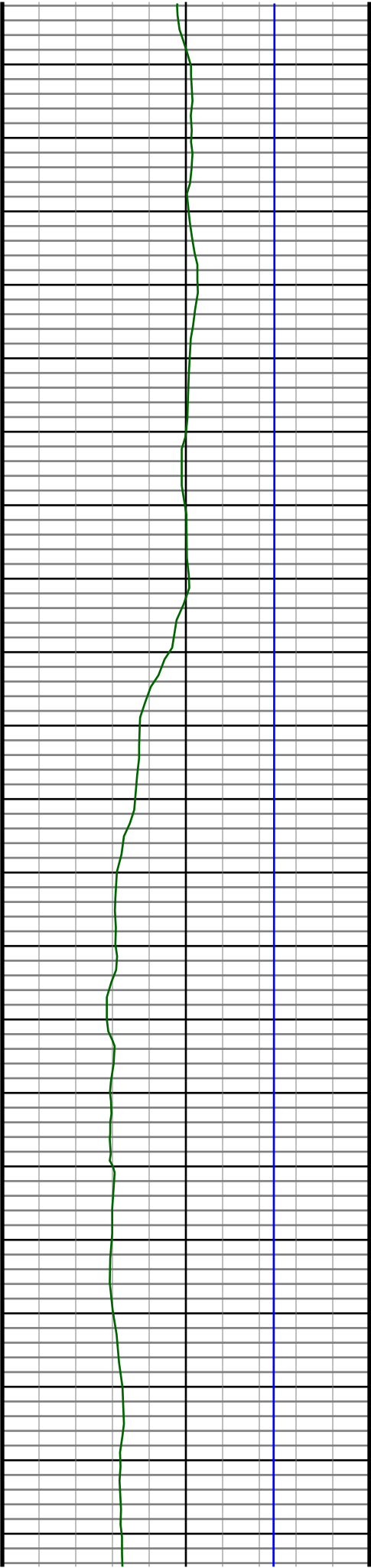
#93 MD(7707.00) Inc(89.4) Azm(269.6) TVD(6885.23)
VS(926.22) NS(895.95) EW(-836.02) TEMP(0.0)

#94 MD(7801.00) Inc(89.5) Azm(268.9) TVD(6886.14)
VS(1019.55) NS(894.72) EW(-930.01) TEMP(0.0)

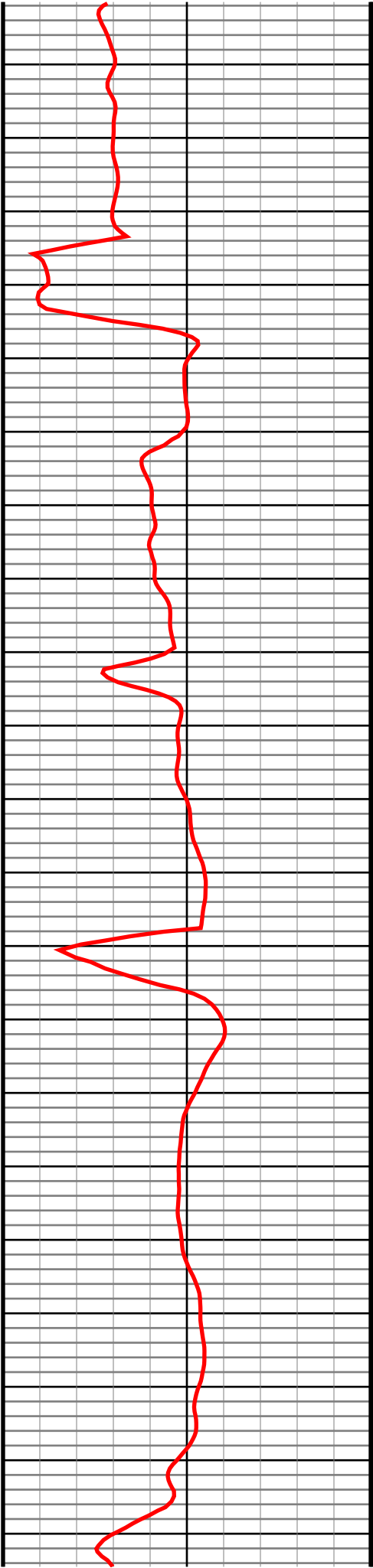


#95 MD(7896.00) Inc(88.5) Azm(267.9) TVD(6887.79)
VS(1113.68) NS(892.06) EW(-1024.96) TEMP(0.0)

#96 MD(7990.00) Inc(89.4) Azm(269.4) TVD(6889.52)
VS(1206.87) NS(889.85) EW(-1118.91) TEMP(0.0)

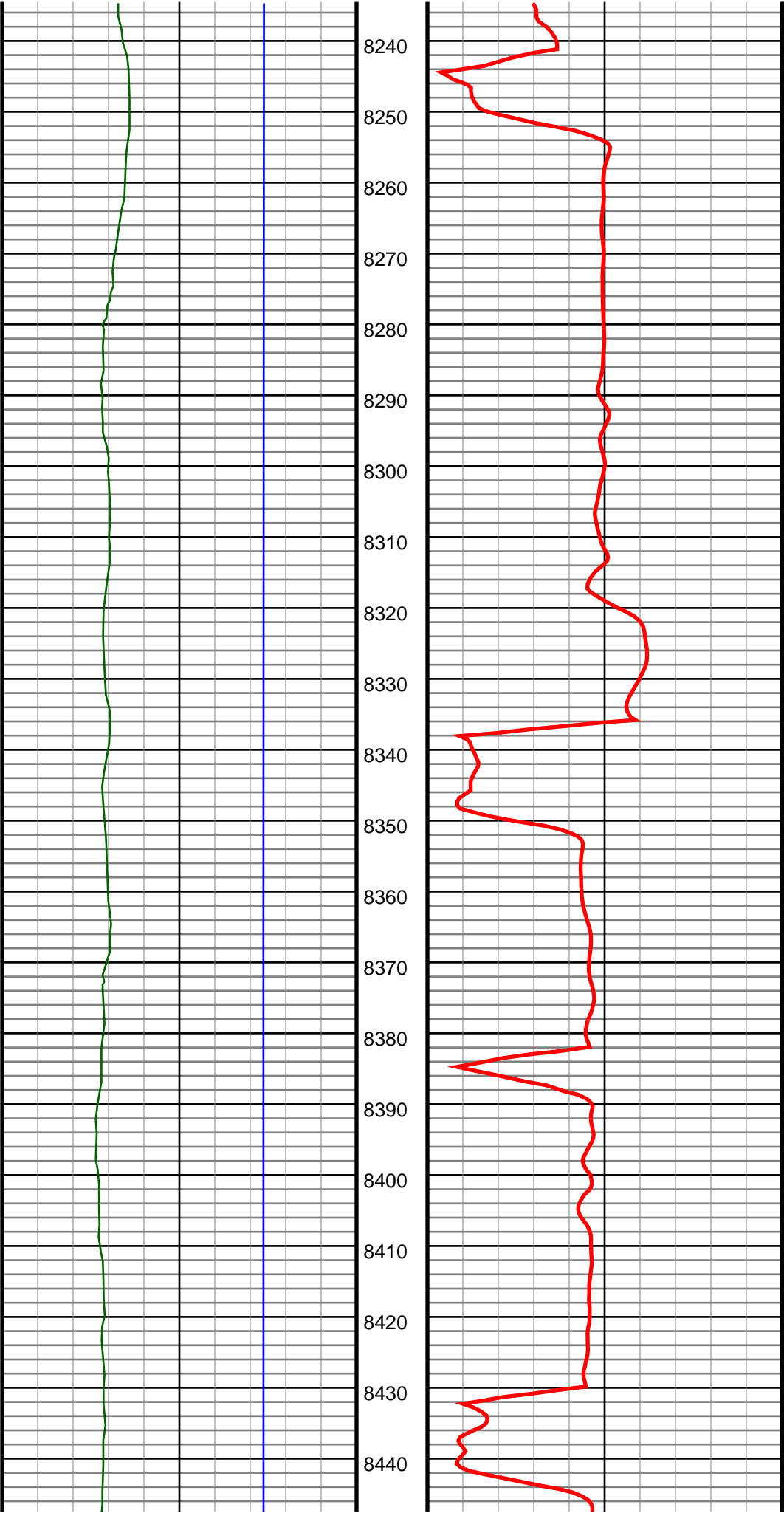


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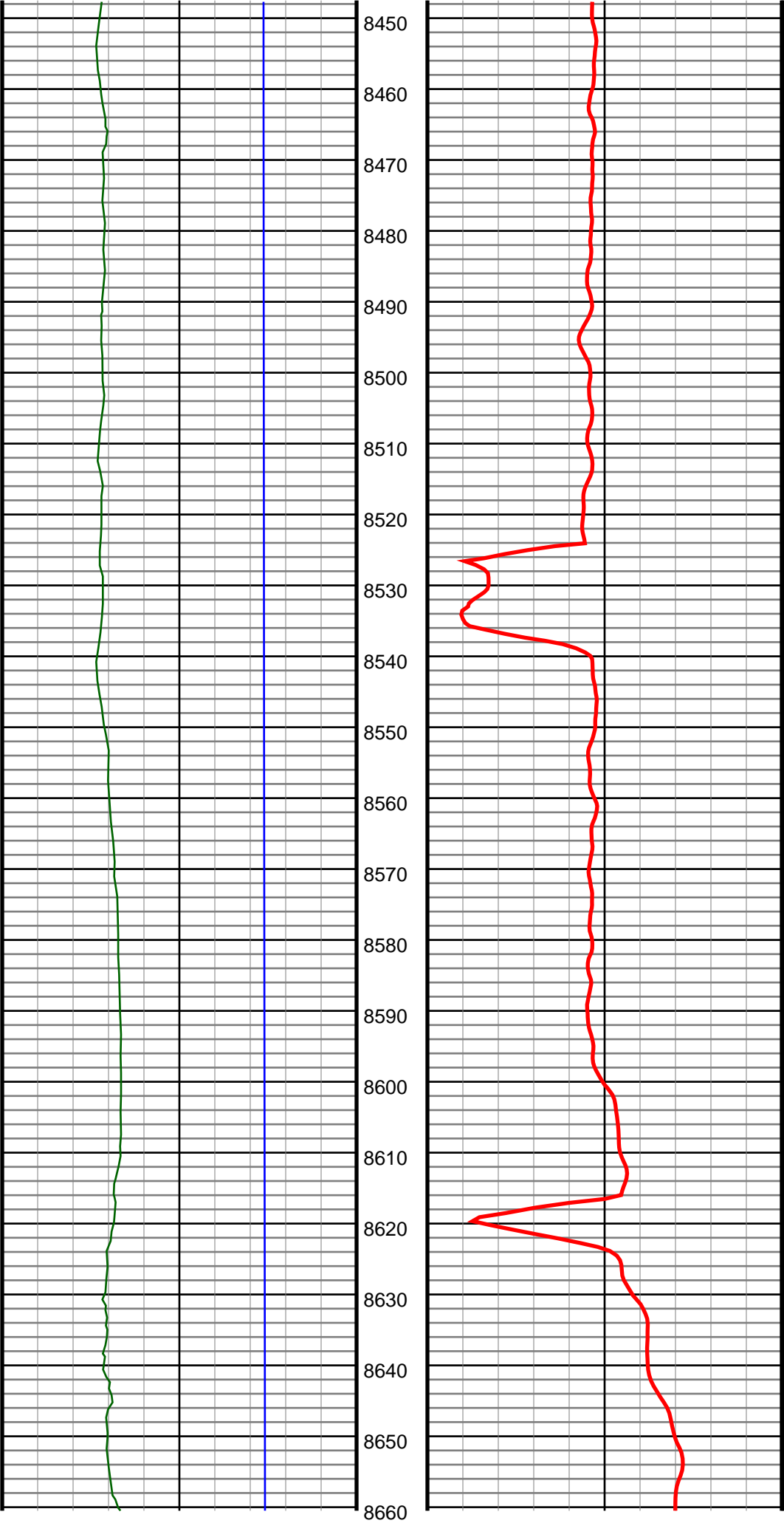
#97 MD(8084.00) Inc(91.0) Azm(271.2) TVD(6889.19)
VS(1300.38) NS(890.34) EW(-1212.90) TEMP(0.0)

#98 MD(8178.00) Inc(91.0) Azm(271.0) TVD(6887.55)
VS(1394.01) NS(892.15) EW(-1306.87) TEMP(0.0)



#99 MD(8272.00) Inc(91.2) Azm(270.7) TVD(6885.74)
VS(1487.61) NS(893.54) EW(-1400.84) TEMP(0.0)

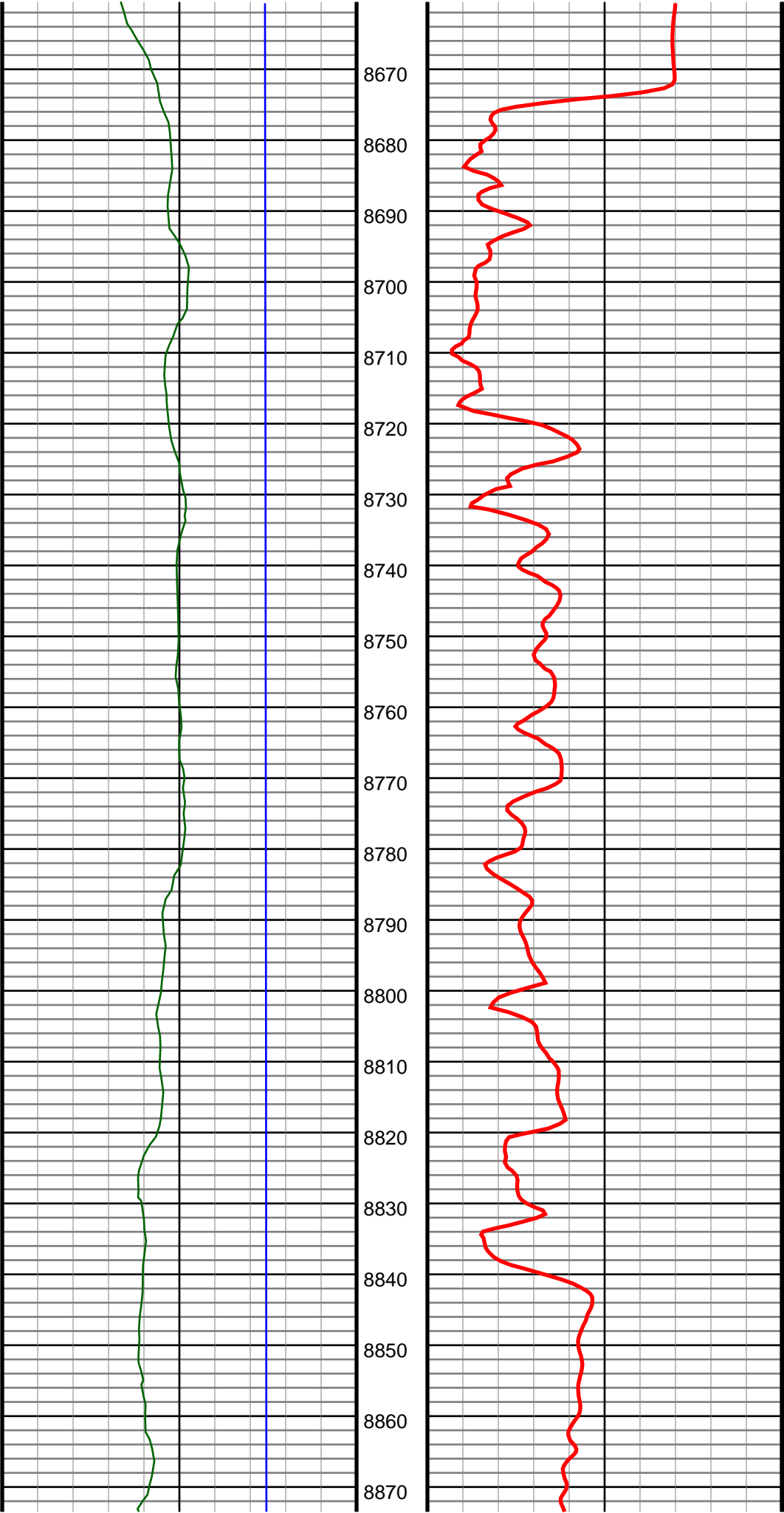
#100 MD(8366.00) Inc(90.2) Azm(270.1) TVD(6884.60)
VS(1581.13) NS(894.20) EW(-1494.83) TEMP(0.0)



#101 MD(8460.00) Inc(89.3) Azm(271.0) TVD(6885.01)
VS(1674.69) NS(895.10) EW(-1588.83) TEMP(0.0)

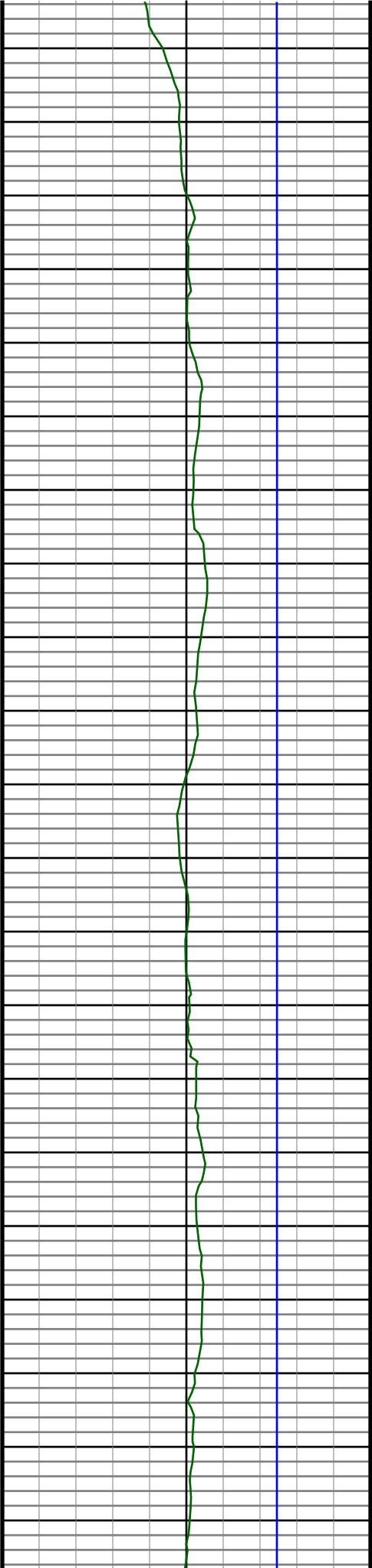
#102 MD(8552.00) Inc(88.5) Azm(269.6) TVD(6886.77)
VS(1766.21) NS(895.58) EW(-1680.80) TEMP(0.0)

#103 MD(8644.00) Inc(88.1) Azm(268.9) TVD(6889.50)
VS(1857.51) NS(894.38) EW(-1772.76) TEMP(0.0)

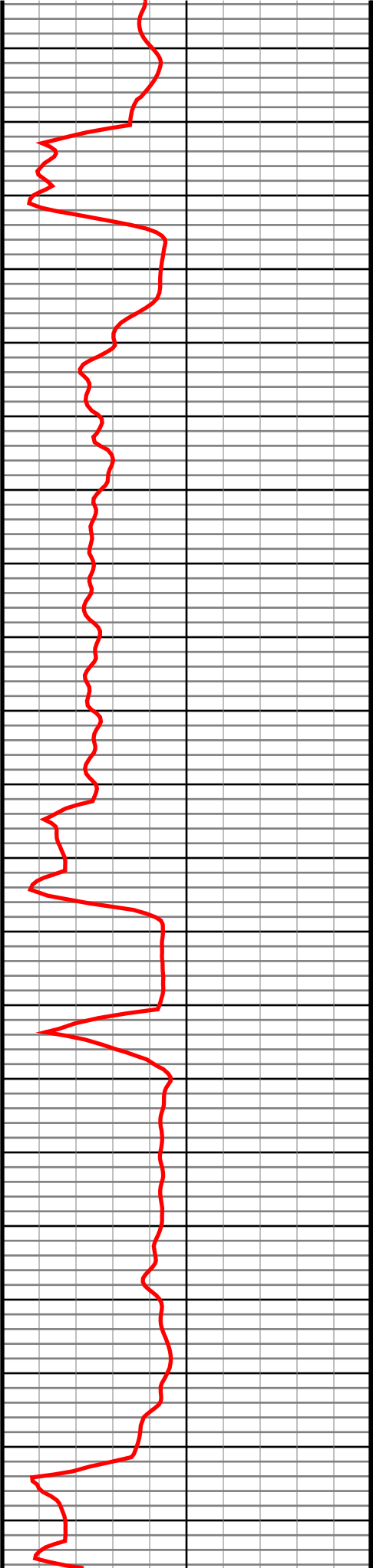


#104 MD(8735.00) Inc(88.9) Azm(268.7) TVD(6891.88)
VS(1947.75) NS(892.47) EW(-1863.70) TEMP(0.0)

#105 MD(8826.00) Inc(88.7) Azm(268.6) TVD(6893.79)
VS(2037.96) NS(890.33) EW(-1954.66) TEMP(0.0)

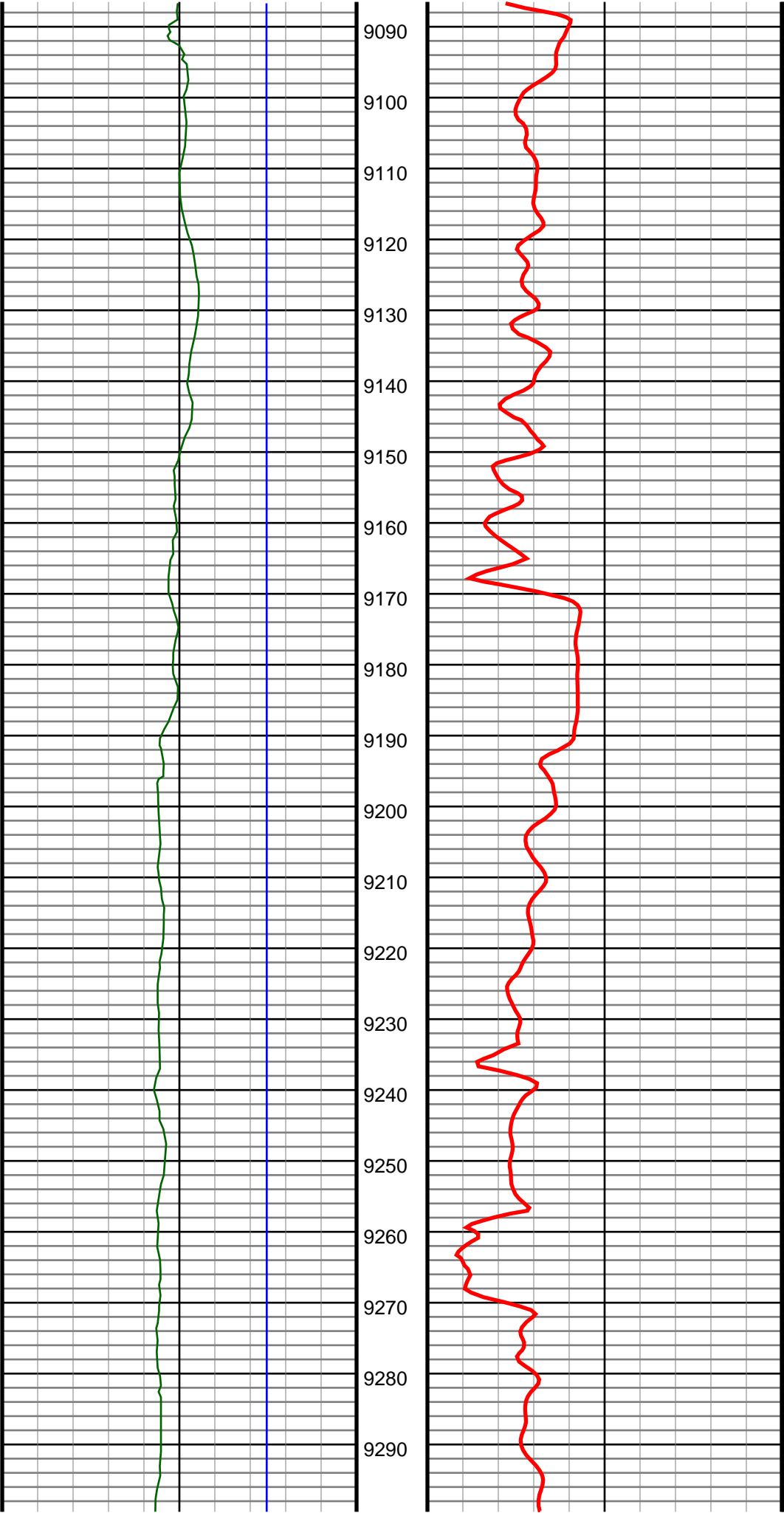


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#106 MD(8918.00) Inc(89.2) Azm(268.4) TVD(6895.47)
VS(2129.14) NS(887.92) EW(-2046.61) TEMP(0.0)

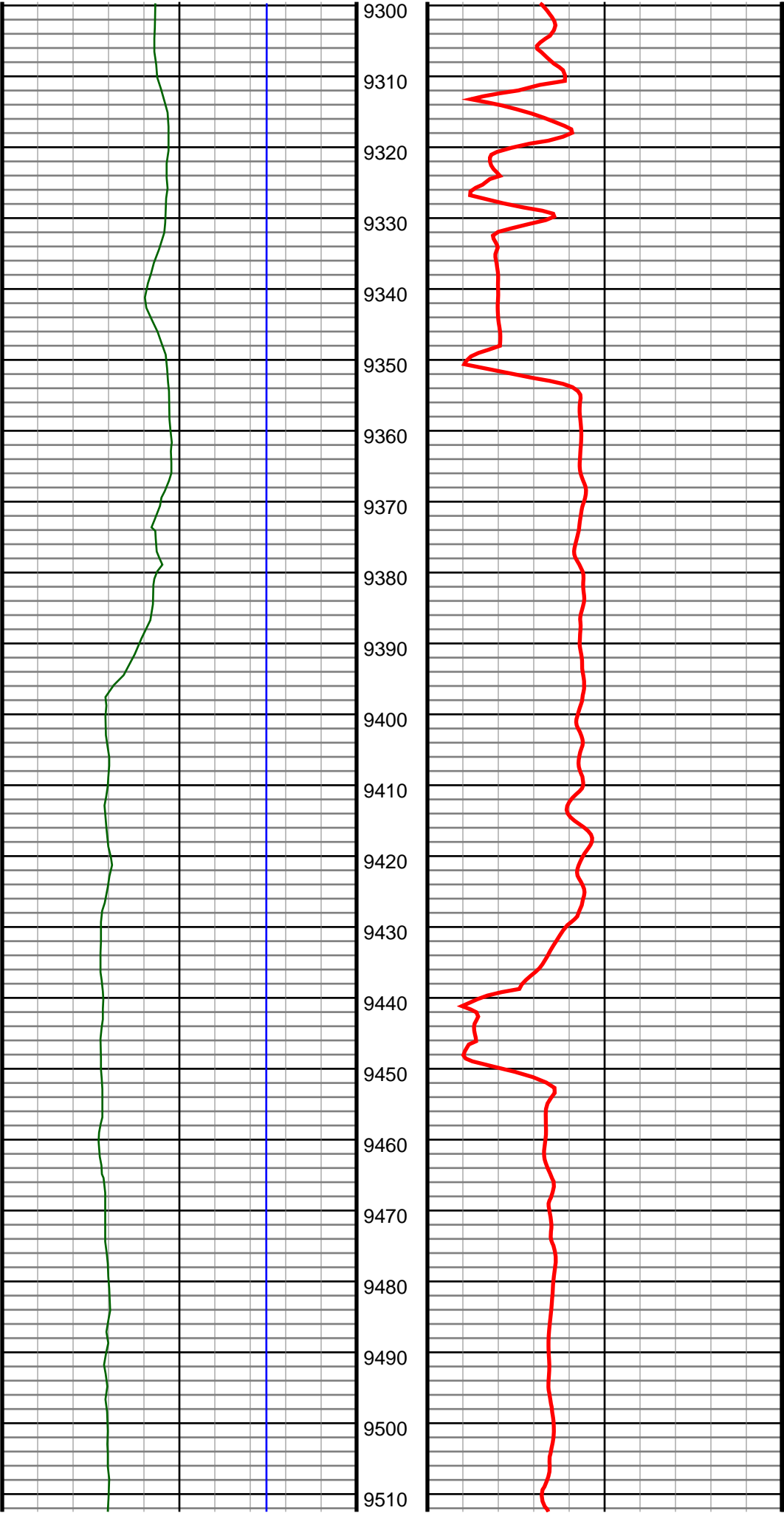
#107 MD(9009.00) Inc(91.0) Azm(269.6) TVD(6895.32)
VS(2219.45) NS(886.33) EW(-2137.59) TEMP(0.0)



#108 MD(9101.00) Inc(89.5) Azm(269.6) TVD(6894.91)
VS(2310.85) NS(885.69) EW(-2229.59) TEMP(0.0)

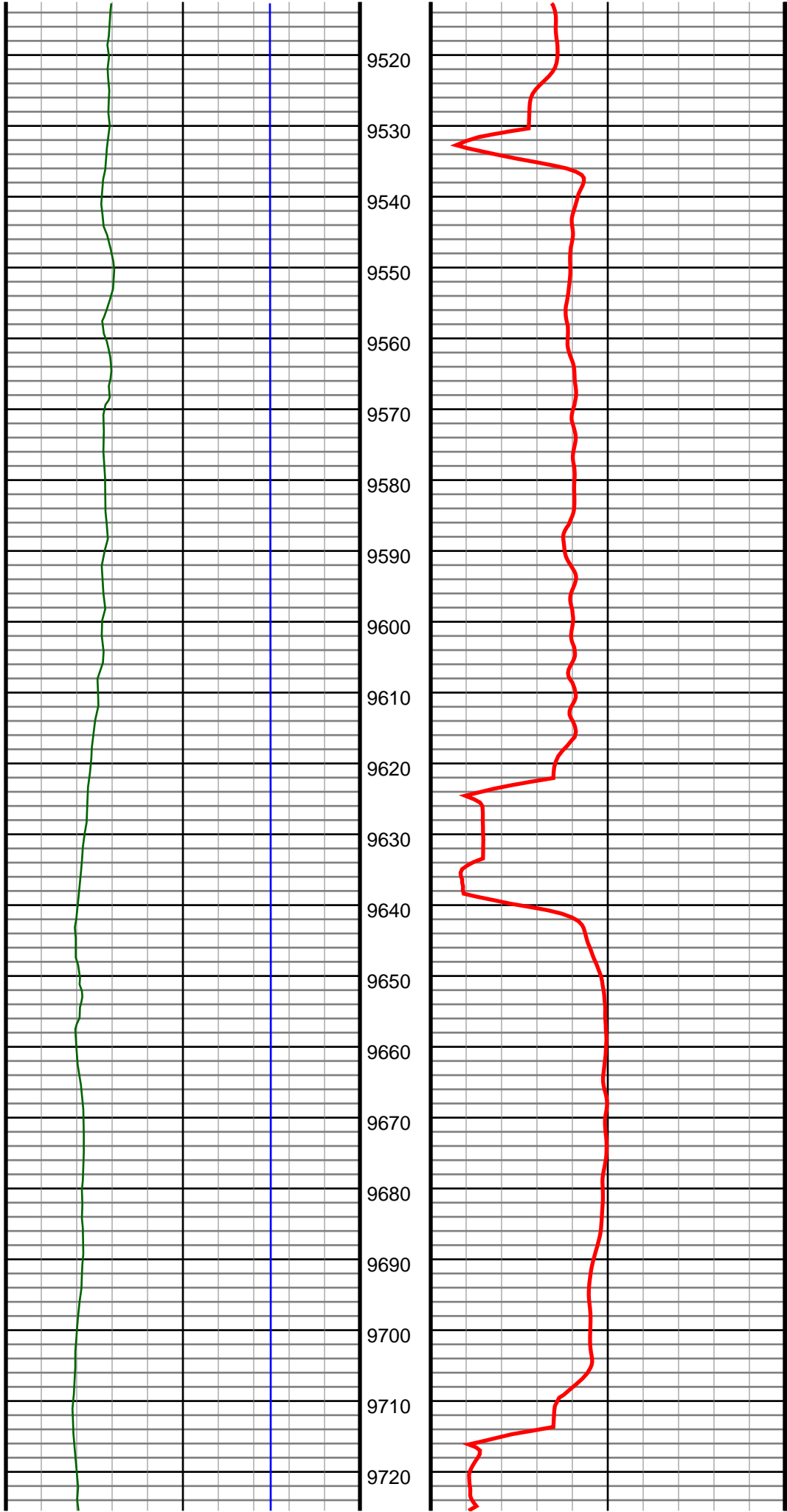
#109 MD(9193.00) Inc(89.3) Azm(269.3) TVD(6895.88)
VS(2402.23) NS(884.81) EW(-2321.58) TEMP(0.0)

#110 MD(9284.00) Inc(90.7) Azm(270.1) TVD(6895.88)
VS(2492.67) NS(884.33) EW(-2412.57) TEMP(0.0)



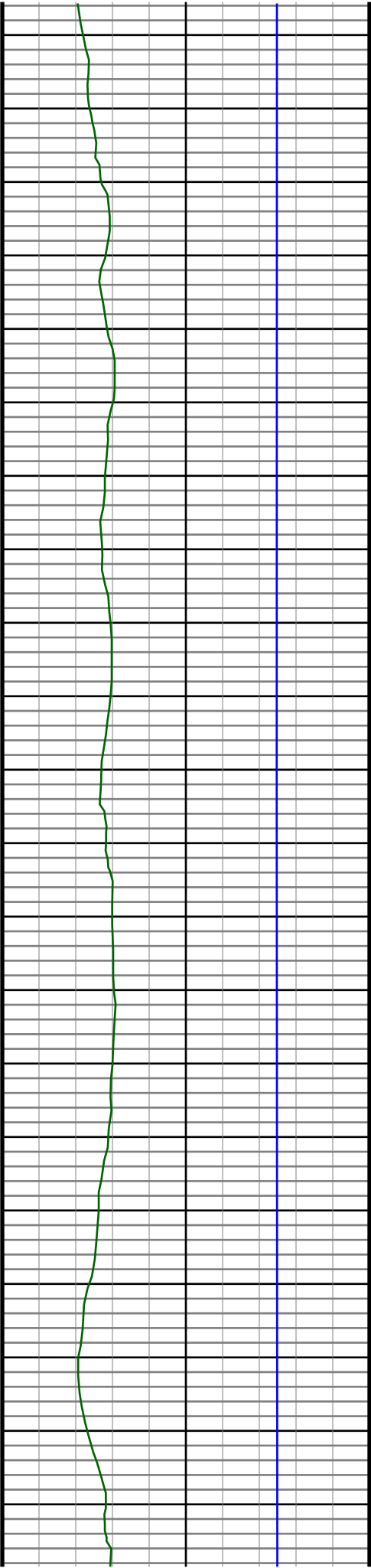
#111 MD(9376.00) Inc(90.8) Azm(270.3) TVD(6894.67)
VS(2584.17) NS(884.65) EW(-2504.56) TEMP(0.0)

#112 MD(9468.00) Inc(89.8) Azm(269.6) TVD(6894.19)
VS(2675.65) NS(884.57) EW(-2596.56) TEMP(0.0)

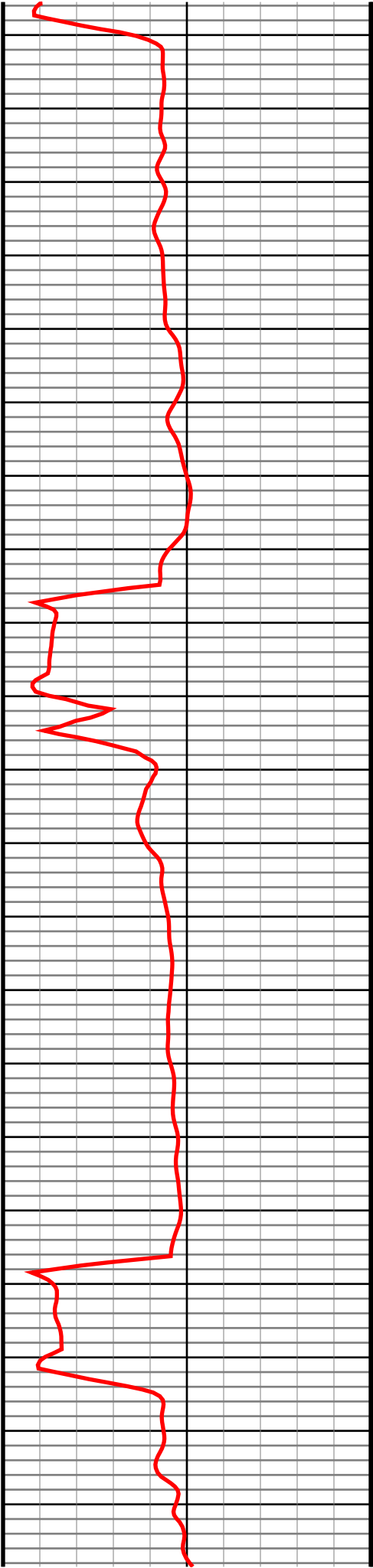


#113 MD(9558.00) Inc(88.3) Azm(269.1) TVD(6895.68)
VS(2765.01) NS(883.55) EW(-2686.54) TEMP(0.0)

#114 MD(9650.00) Inc(89.0) Azm(268.7) TVD(6897.85)
VS(2856.26) NS(881.78) EW(-2778.50) TEMP(0.0)



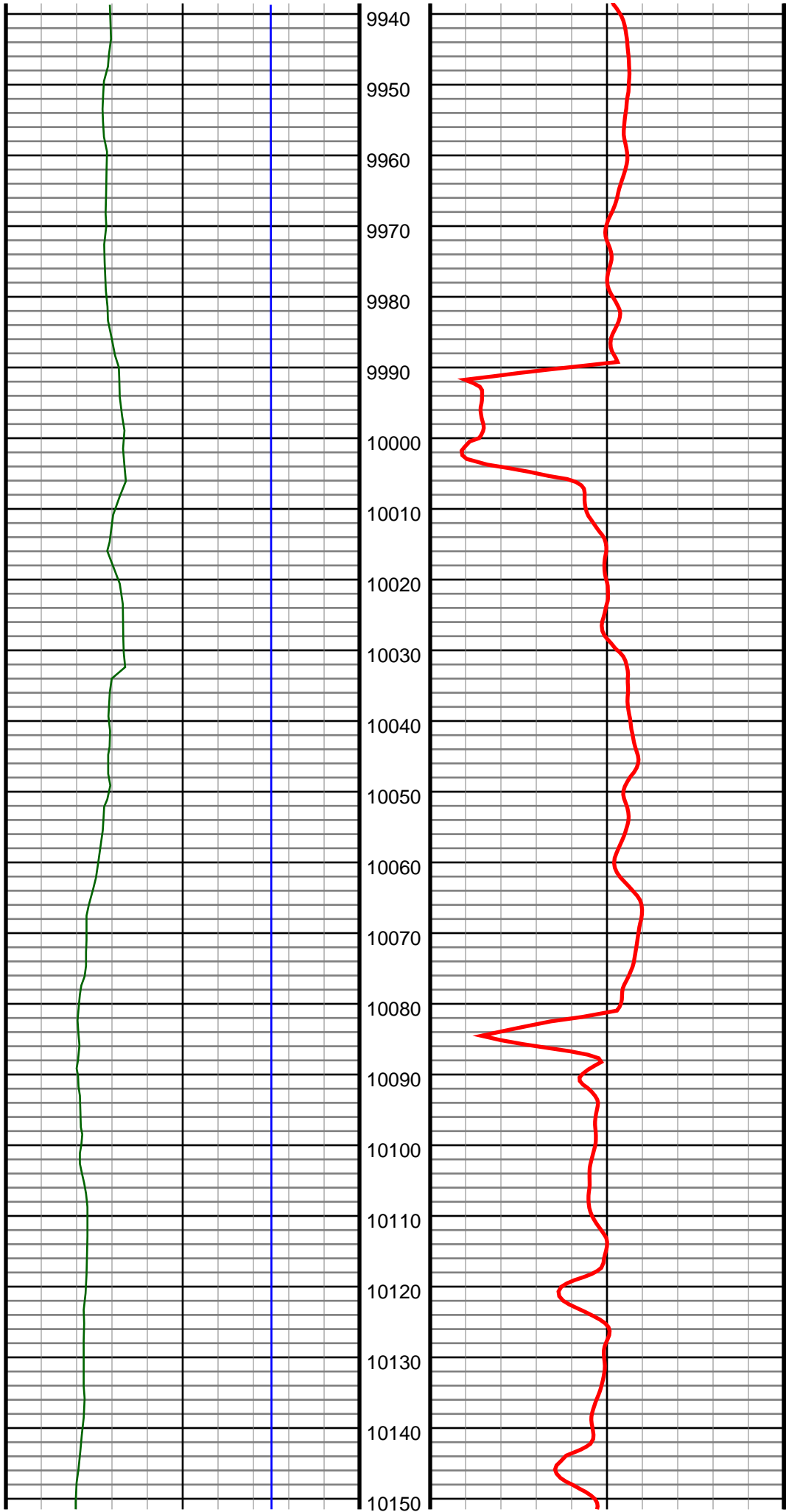
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#115 MD(9742.00) Inc(91.5) Azm(269.6) TVD(6897.45)
VS(2947.58) NS(880.42) EW(-2870.48) TEMP(0.0)

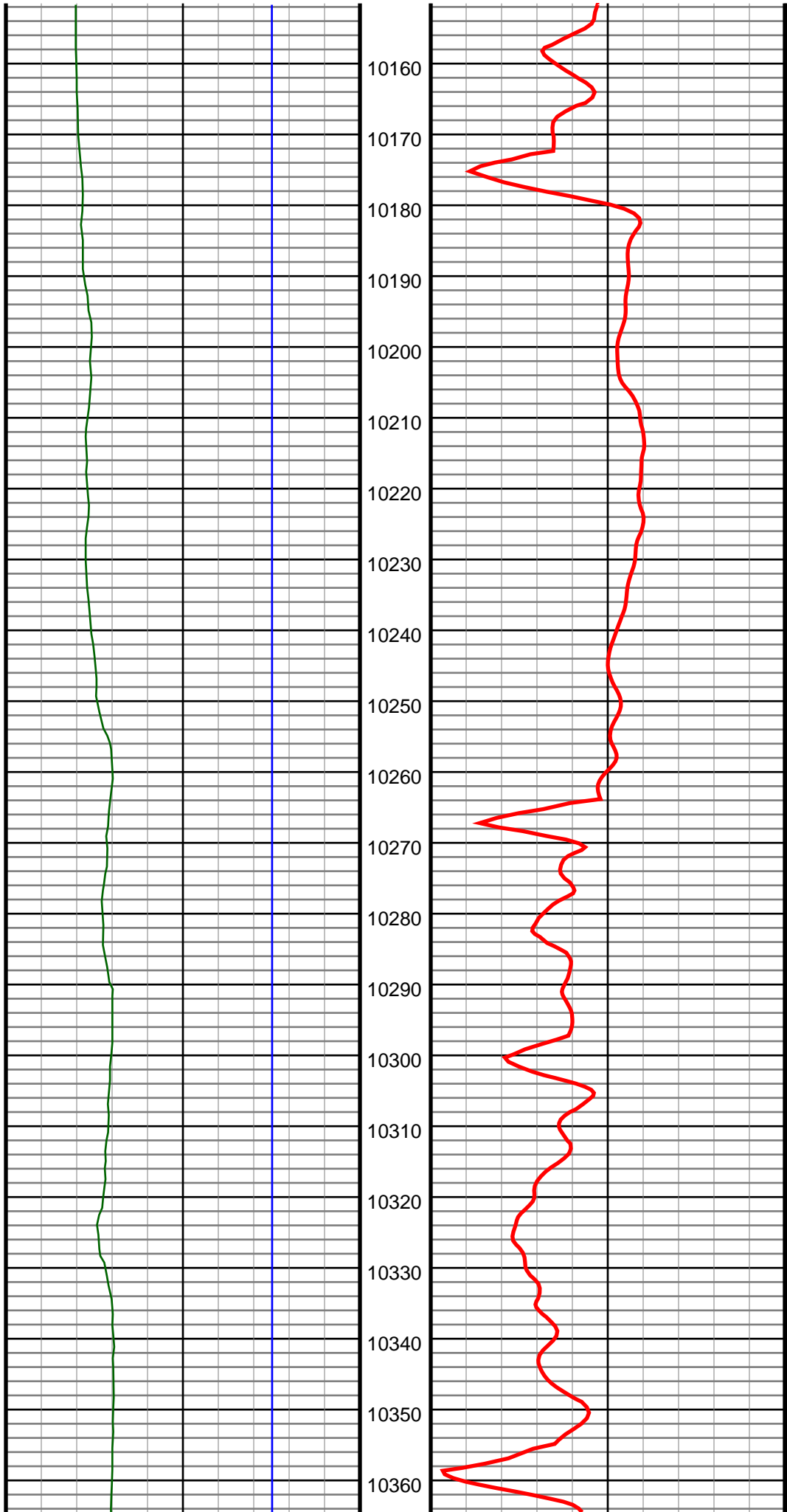
#116 MD(9834.00) Inc(89.3) Azm(268.7) TVD(6896.81)
VS(3038.90) NS(879.05) EW(-2962.46) TEMP(0.0)

#117 MD(9926.00) Inc(88.5) Azm(269.6) TVD(6898.57)
VS(3130.21) NS(877.69) EW(-3054.43) TEMP(0.0)



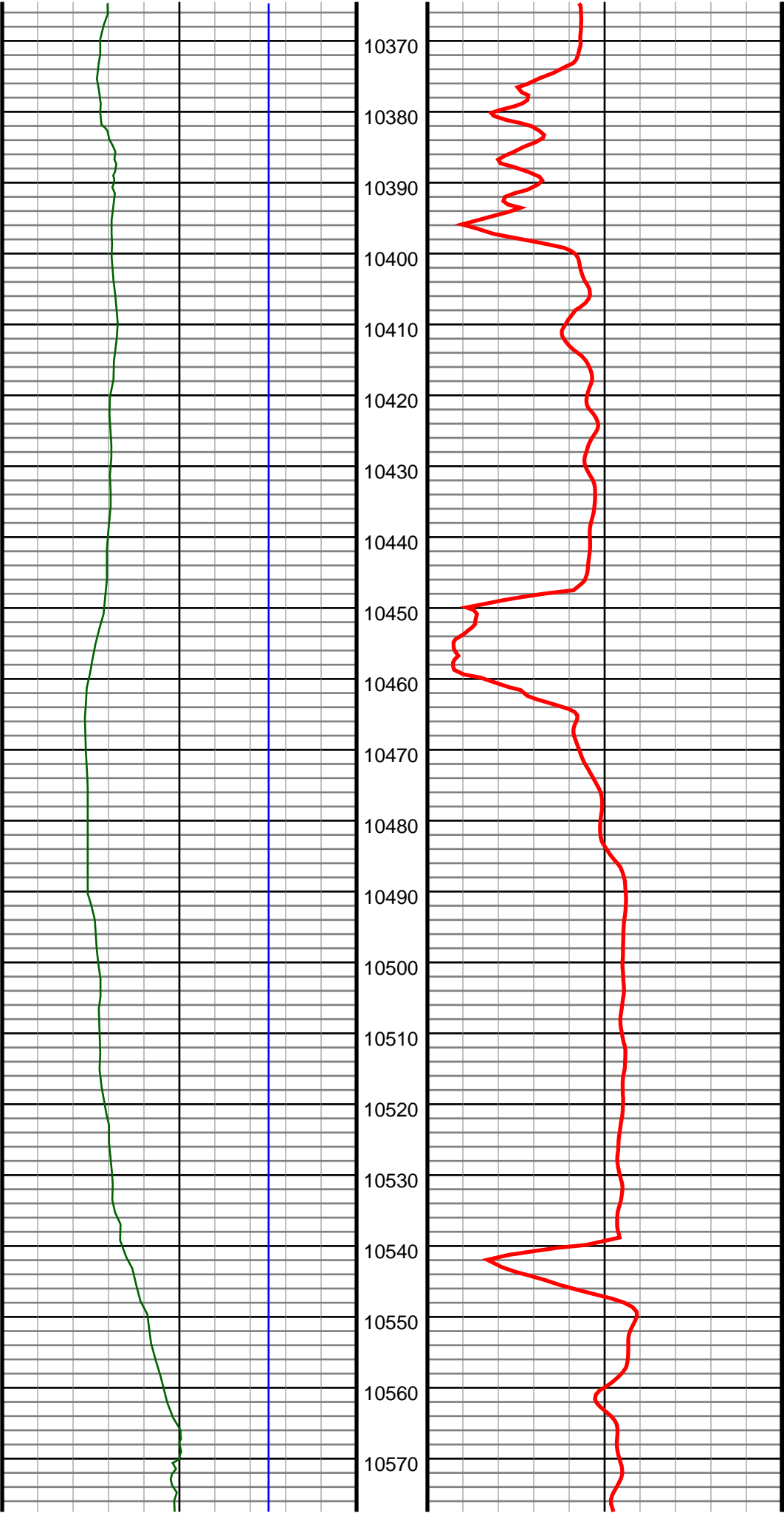
#118 MD(10018.00) Inc(89.5) Azm(270.3) TVD(6900.18)
VS(3221.67) NS(877.61) EW(-3146.41) TEMP(0.0)

#119 MD(10110.00) Inc(89.4) Azm(270.1) TVD(6901.06)
VS(3313.18) NS(877.93) EW(-3238.41) TEMP(0.0)



#120 MD(10201.00) Inc(89.5) Azm(269.8) TVD(6901.94)
VS(3403.66) NS(877.85) EW(-3329.40) TEMP(0.0)

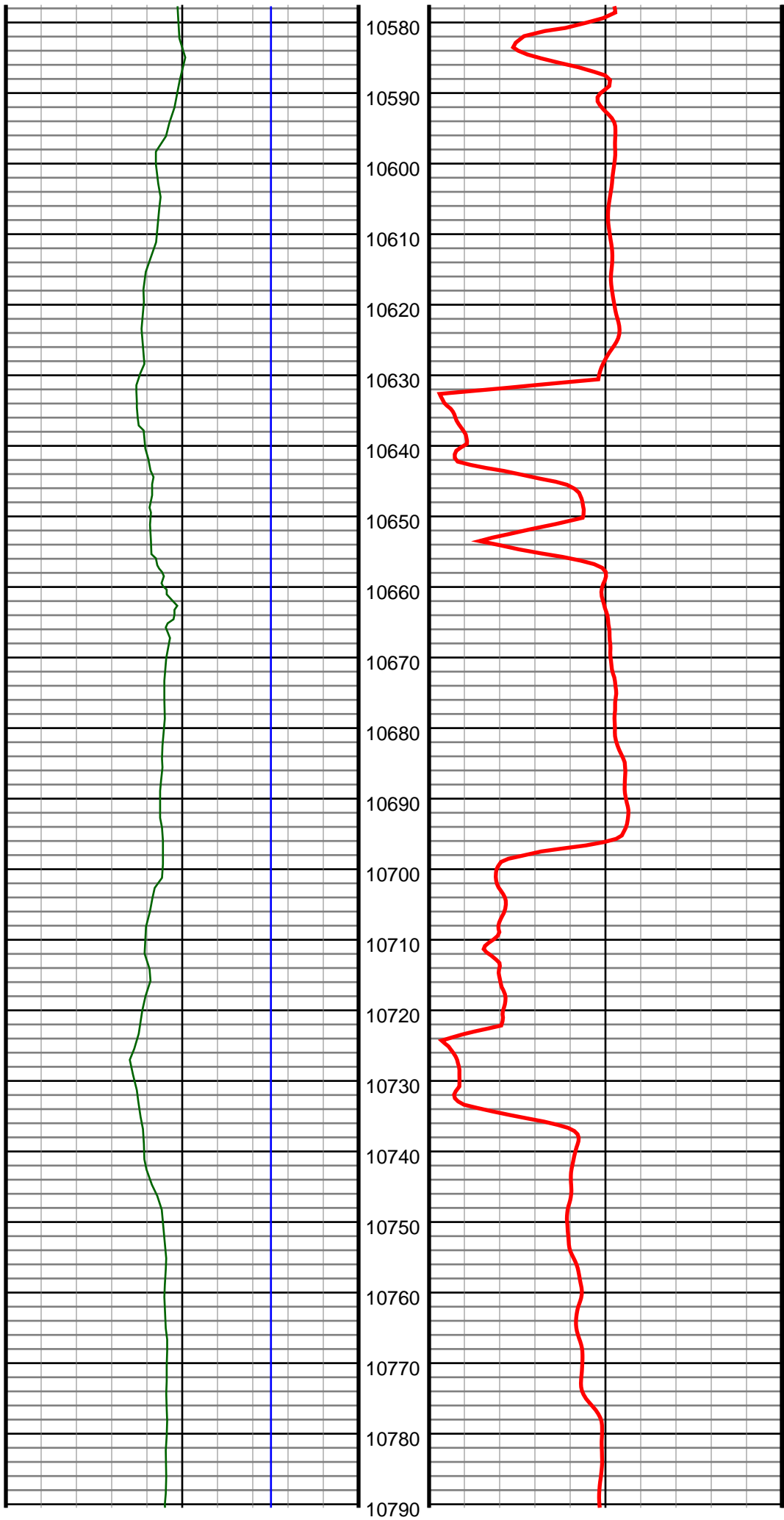
#121 MD(10292.00) Inc(90.0) Azm(268.9) TVD(6902.33)
VS(3494.03) NS(876.82) EW(-3420.40) TEMP(0.0)



#122 MD(10384.00) Inc(90.0) Azm(268.2) TVD(6902.33)
VS(3585.23) NS(874.49) EW(-3512.37) TEMP(0.0)

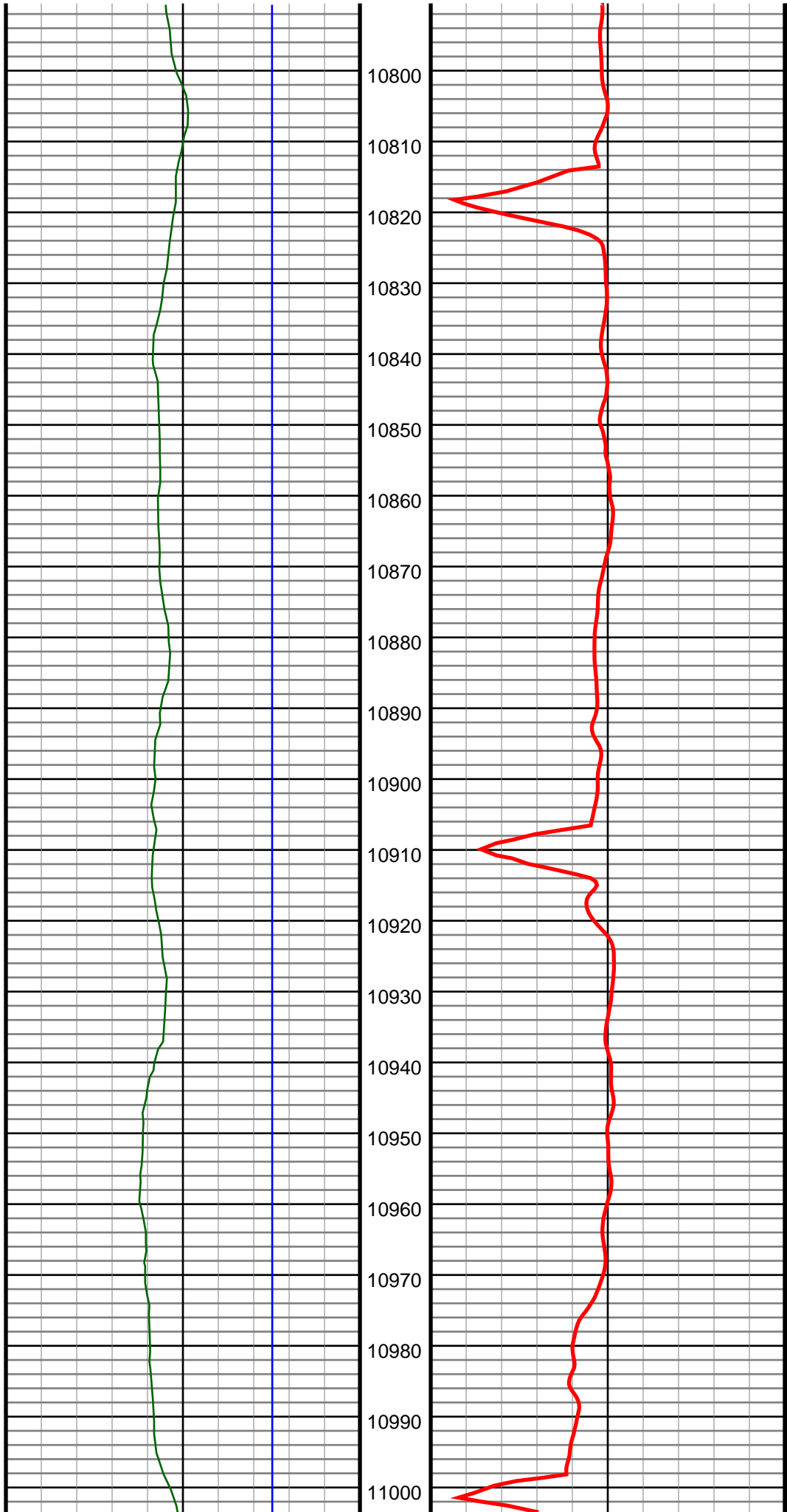
#123 MD(10476.00) Inc(90.1) Azm(270.5) TVD(6902.25)
VS(3676.59) NS(873.45) EW(-3604.35) TEMP(0.0)

#124 MD(10568.00) Inc(90.2) Azm(269.3) TVD(6902.01)
VS(3768.06) NS(873.29) EW(-3696.35) TEMP(0.0)



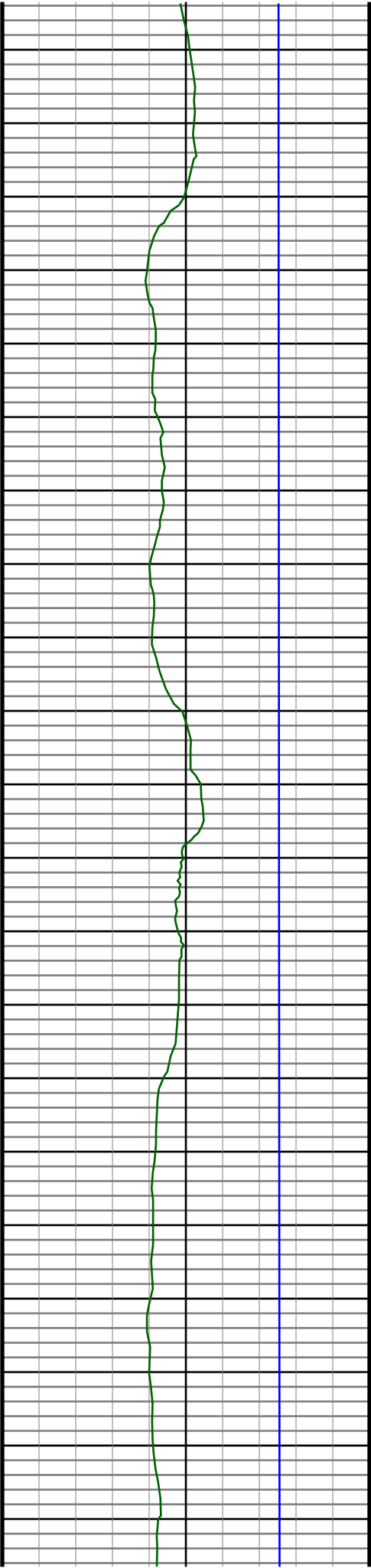
#125 MD(10659.00) Inc(90.2) Azm(270.0) TVD(6901.69)
VS(3858.48) NS(872.73) EW(-3787.35) TEMP(0.0)

#126 MD(10751.00) Inc(89.6) Azm(270.7) TVD(6901.86)
VS(3950.02) NS(873.29) EW(-3879.35) TEMP(0.0)

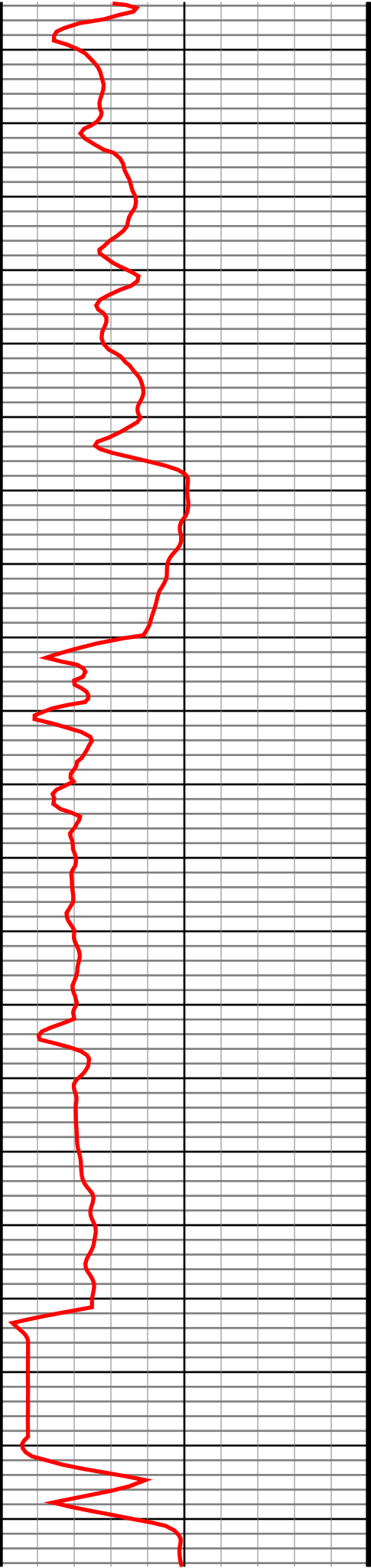


#127 MD(10843.00) Inc(90.0) Azm(270.5) TVD(6902.18)
VS(4041.60) NS(874.26) EW(-3971.34) TEMP(0.0)

#128 MD(10934.00) Inc(89.5) Azm(270.1) TVD(6902.57)
VS(4132.14) NS(874.73) EW(-4062.34) TEMP(0.0)



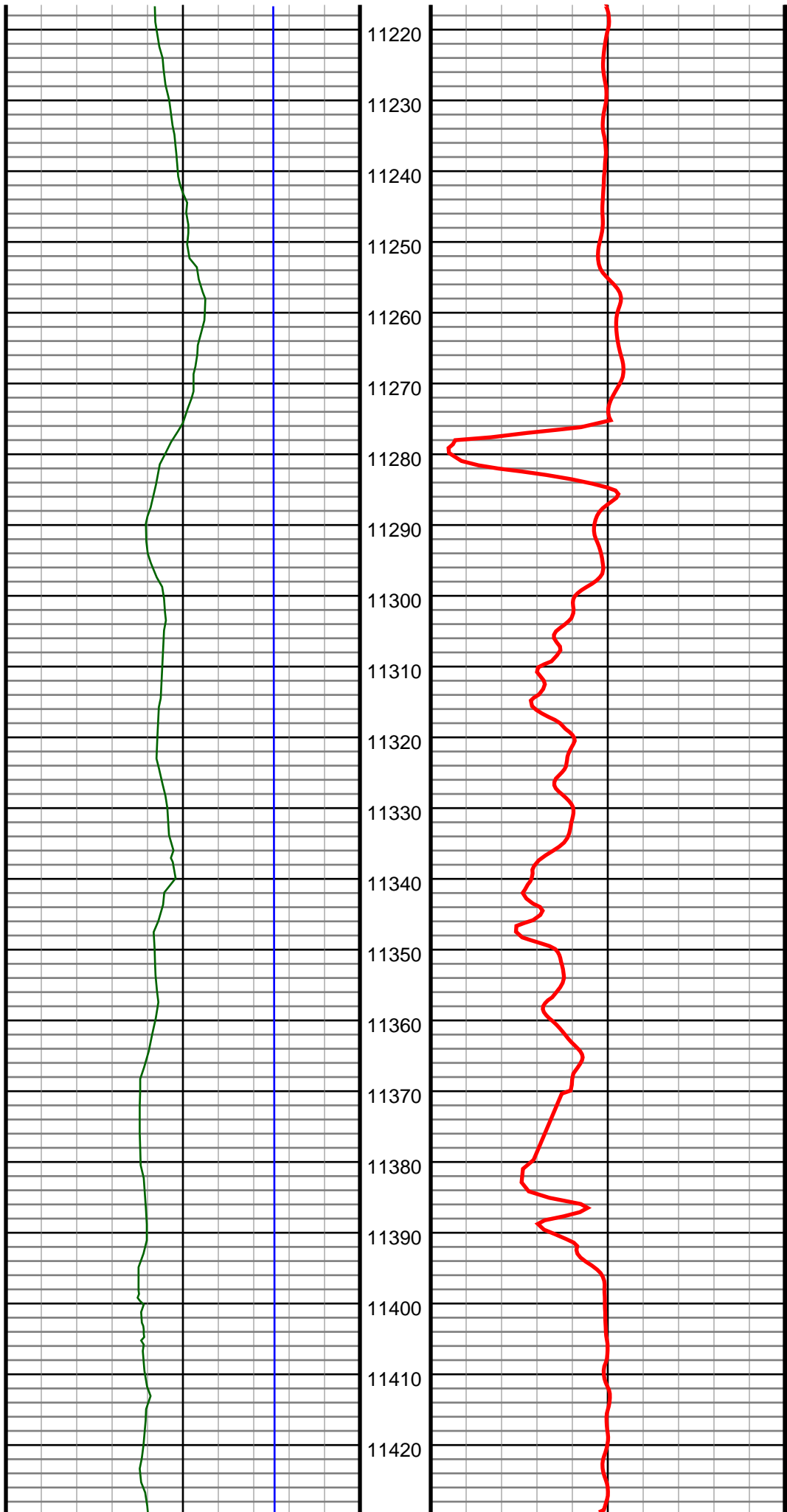
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#129 MD(11026.00) Inc(90.0) Azm(270.0) TVD(6902.97)
VS(4223.63) NS(874.81) EW(-4154.34) TEMP(0.0)

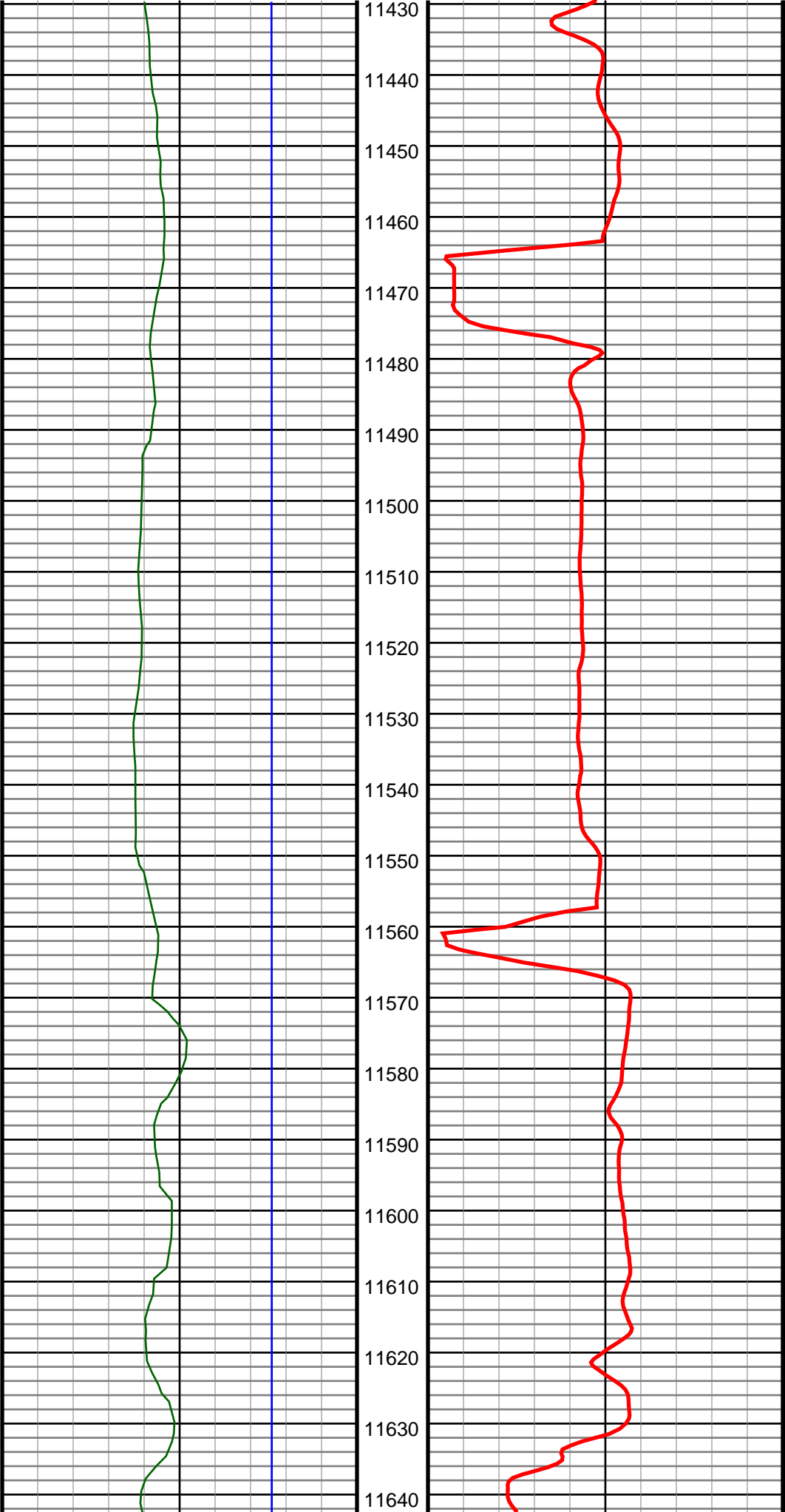
#130 MD(11117.00) Inc(88.3) Azm(268.4) TVD(6904.32)
VS(4313.95) NS(873.54) EW(-4245.31) TEMP(0.0)

#131 MD(11212.00) Inc(89.6) Azm(269.8) TVD(6906.07)
VS(4408.23) NS(872.05) EW(-4340.28) TEMP(0.0)



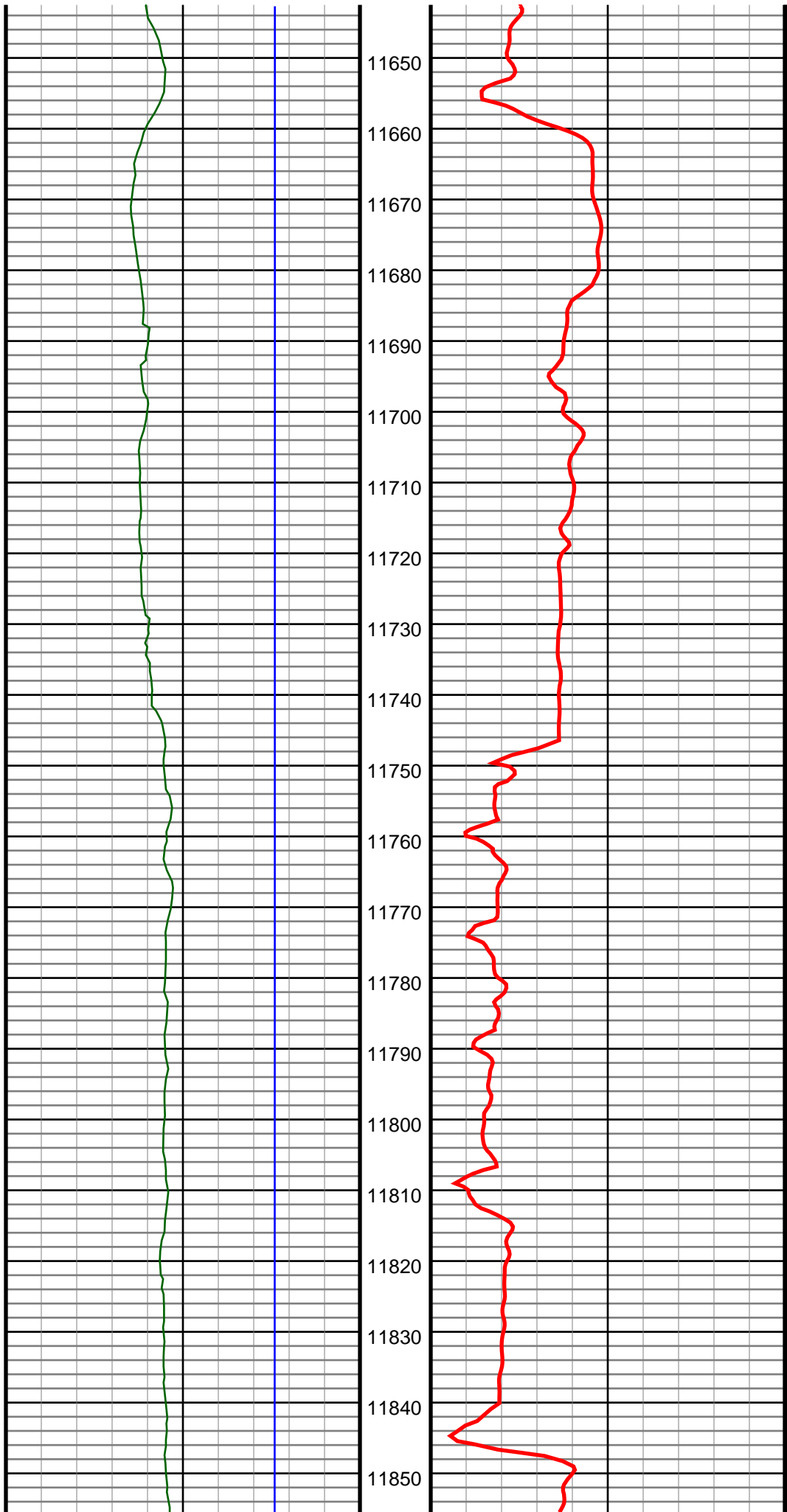
#132 MD(11306.00) Inc(88.2) Azm(269.1) TVD(6907.87)
VS(4501.58) NS(871.15) EW(-4434.26) TEMP(0.0)

#133 MD(11400.00) Inc(88.8) Azm(270.8) TVD(6910.33)
VS(4595.01) NS(871.07) EW(-4528.22) TEMP(0.0)



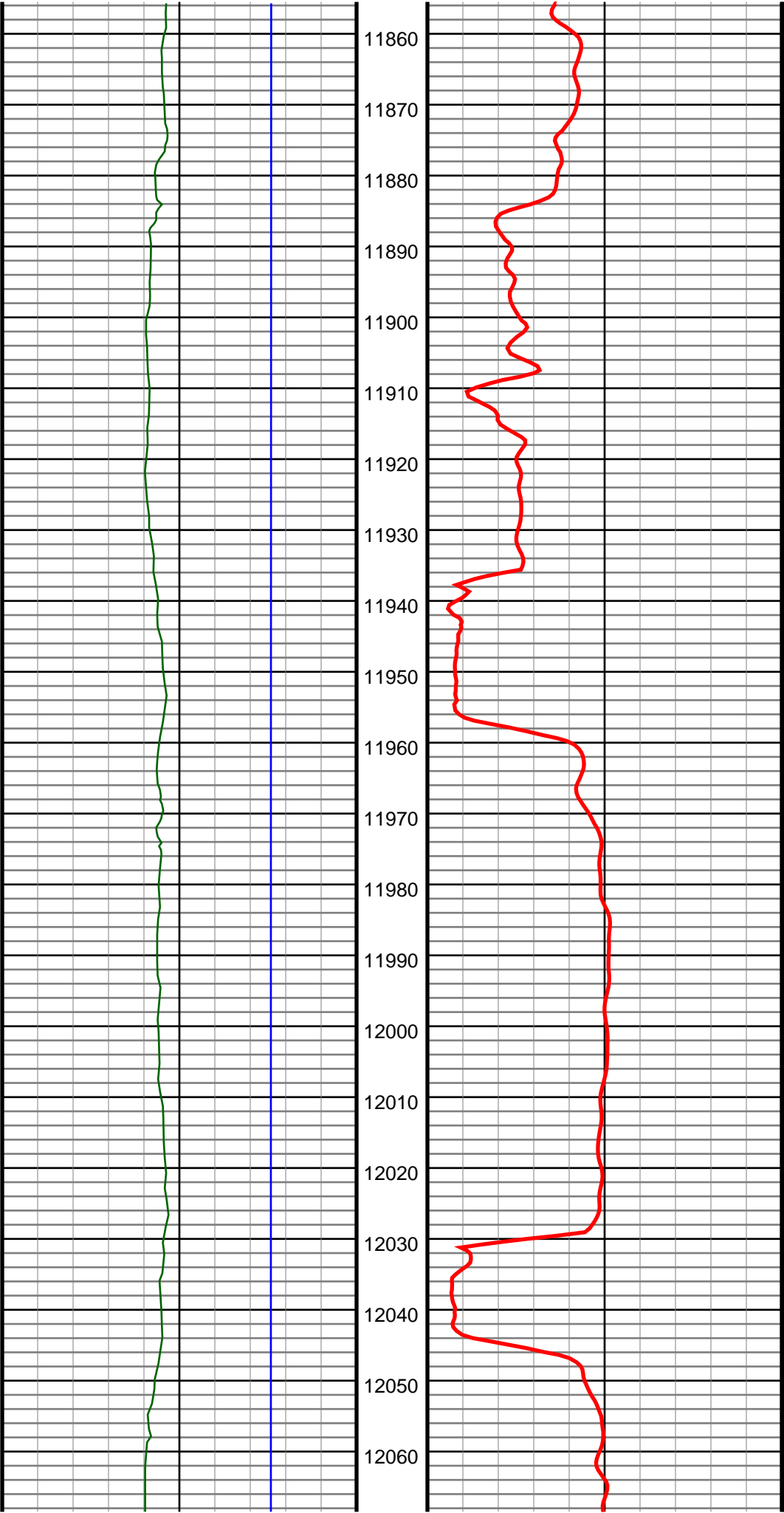
#134 MD(11494.00) Inc(89.8) Azm(270.7) TVD(6911.48)
VS(4688.59) NS(872.30) EW(-4622.20) TEMP(0.0)

#135 MD(11589.00) Inc(90.0) Azm(270.3) TVD(6911.65)
VS(4783.14) NS(873.13) EW(-4717.20) TEMP(0.0)



#136 MD(11683.00) Inc(90.0) Azm(270.1) TVD(6911.65)
VS(4876.65) NS(873.46) EW(-4811.20) TEMP(0.0)

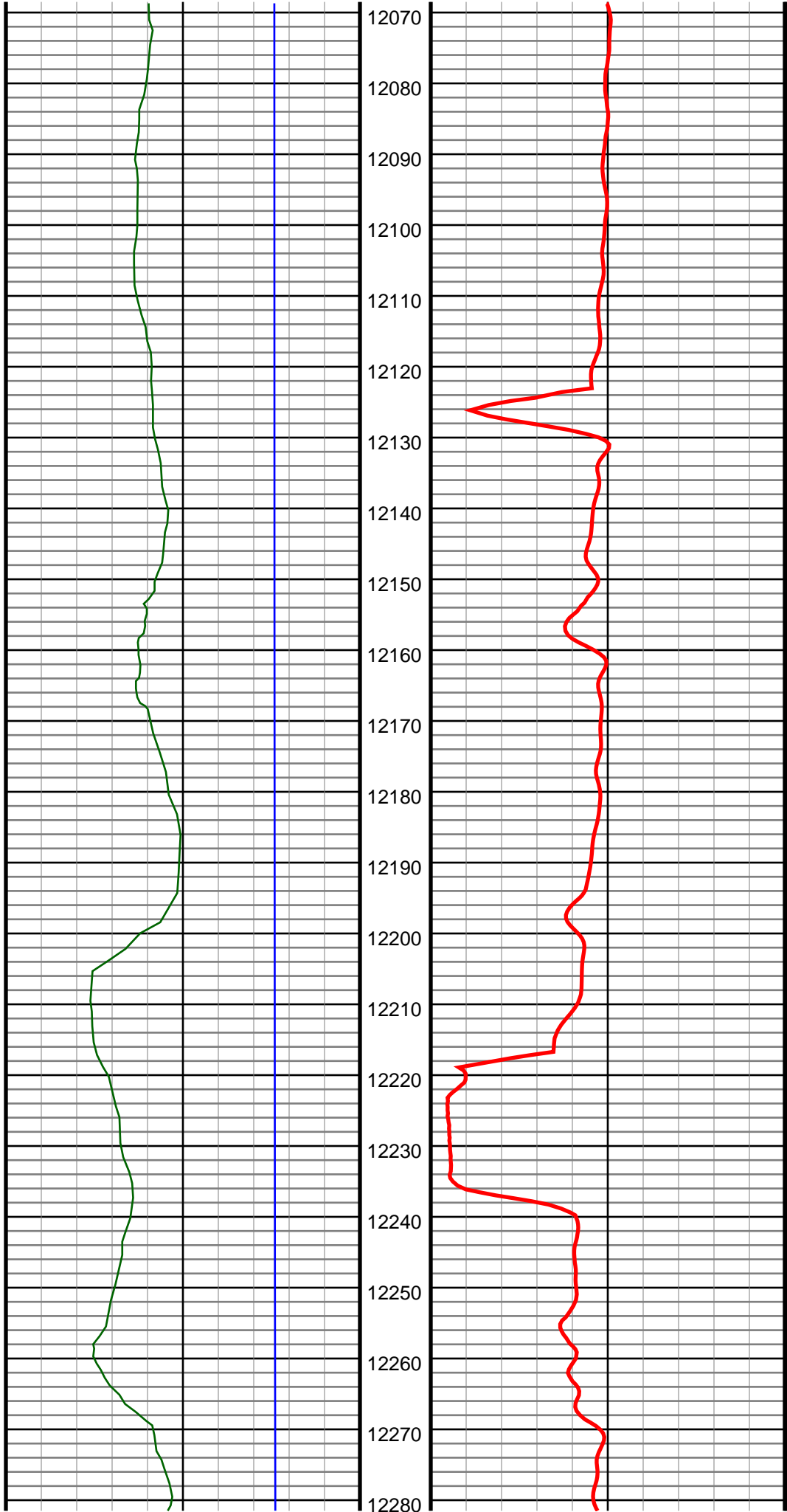
#137 MD(11777.00) Inc(90.3) Azm(269.4) TVD(6911.40)
VS(4970.07) NS(873.05) EW(-4905.20) TEMP(0.0)



#138 MD(11871.00) Inc(90.4) Azm(268.2) TVD(6910.82)
VS(5063.31) NS(871.08) EW(-4999.17) TEMP(0.0)

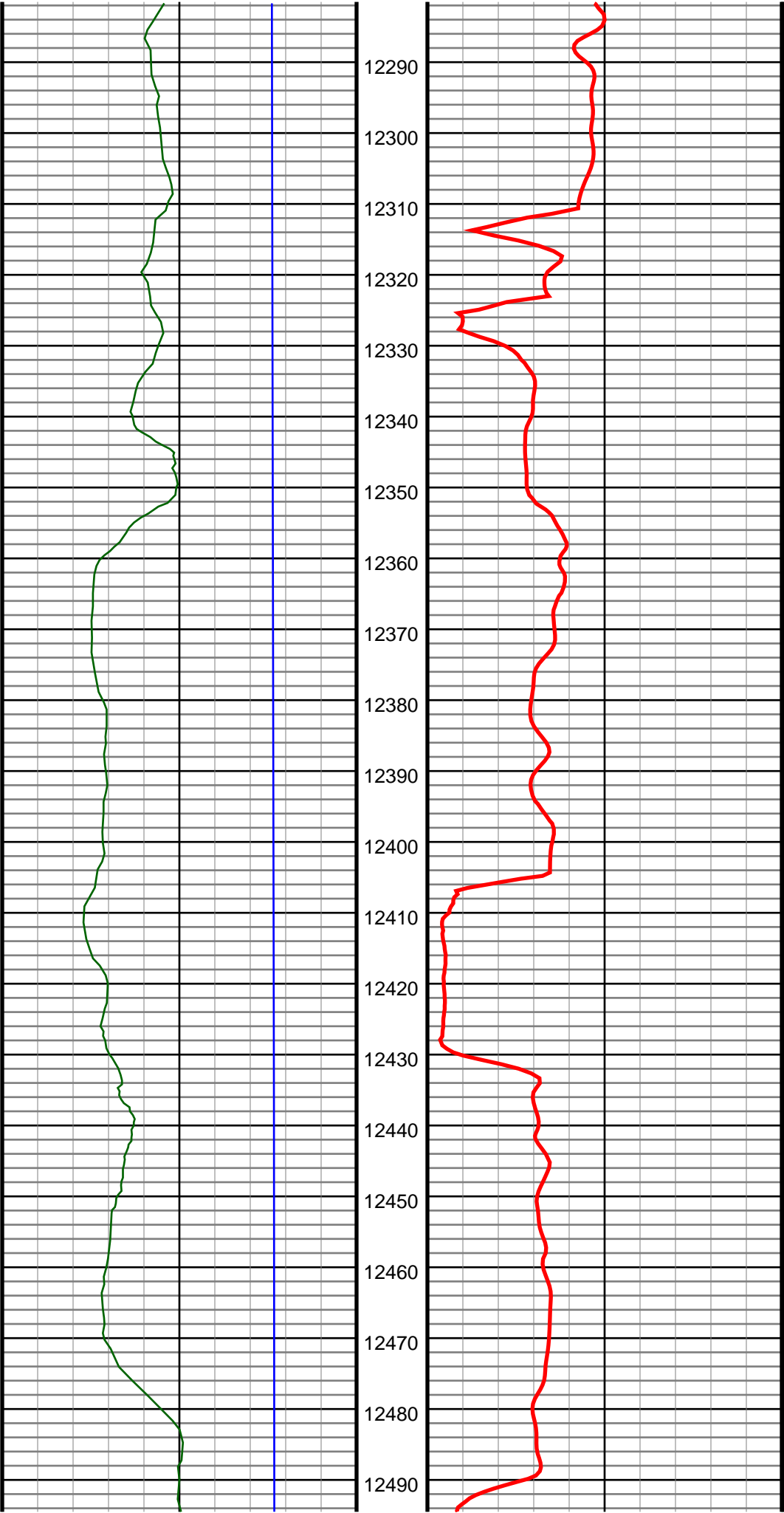
#139 MD(11966.00) Inc(90.7) Azm(269.1) TVD(6909.91)
VS(5157.51) NS(868.84) EW(-5094.14) TEMP(0.0)

#140 MD(12060.00) Inc(89.4) Azm(269.3) TVD(6909.83)
VS(5250.83) NS(867.53) EW(-5188.13) TEMP(0.0)



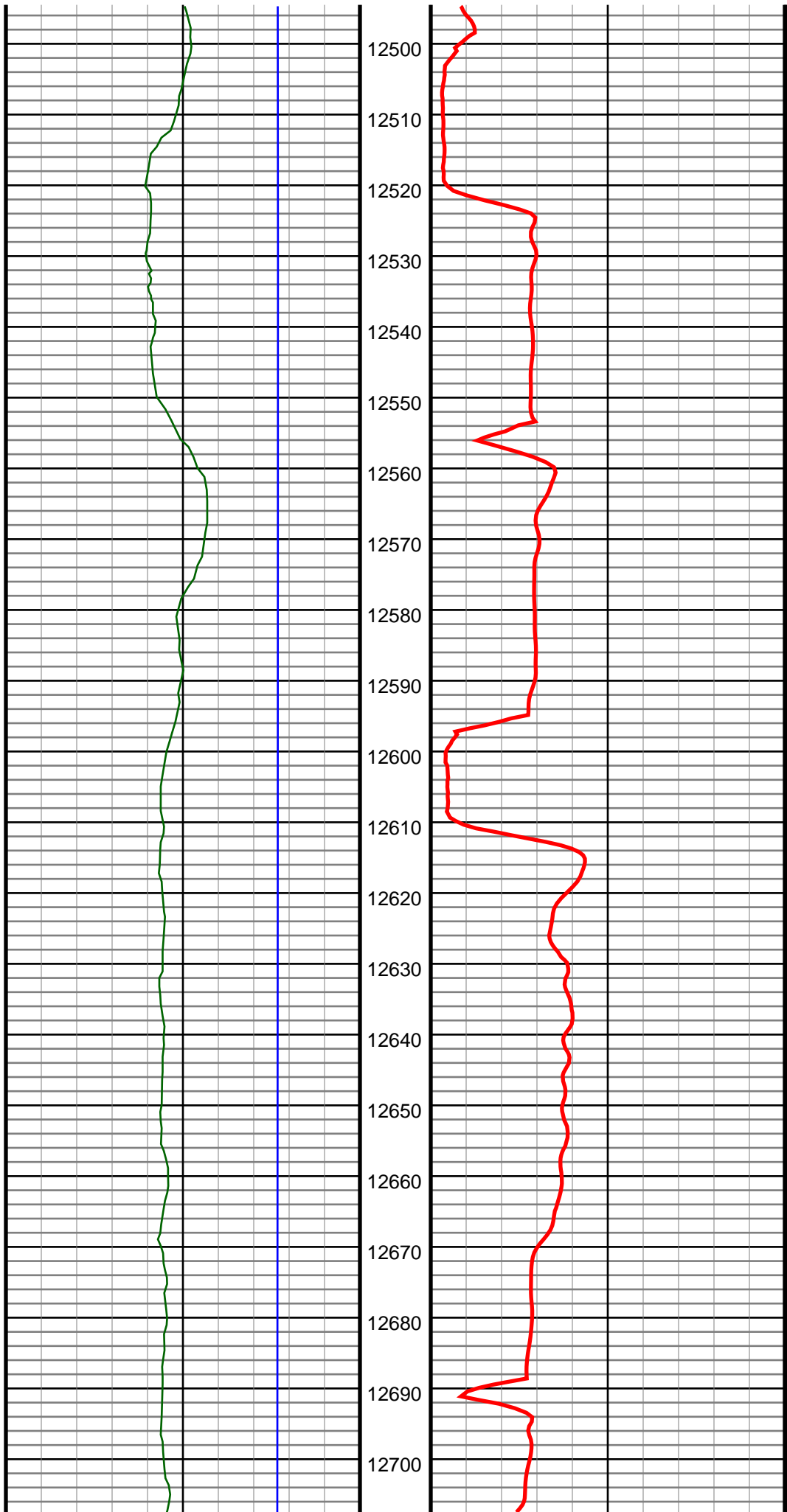
#141 MD(12154.00) Inc(90.0) Azm(268.9) TVD(6910.32)
VS(5344.13) NS(866.05) EW(-5282.12) TEMP(0.0)

#142 MD(12248.00) Inc(88.2) Azm(270.5) TVD(6911.80)
VS(5437.53) NS(865.56) EW(-5376.10) TEMP(0.0)



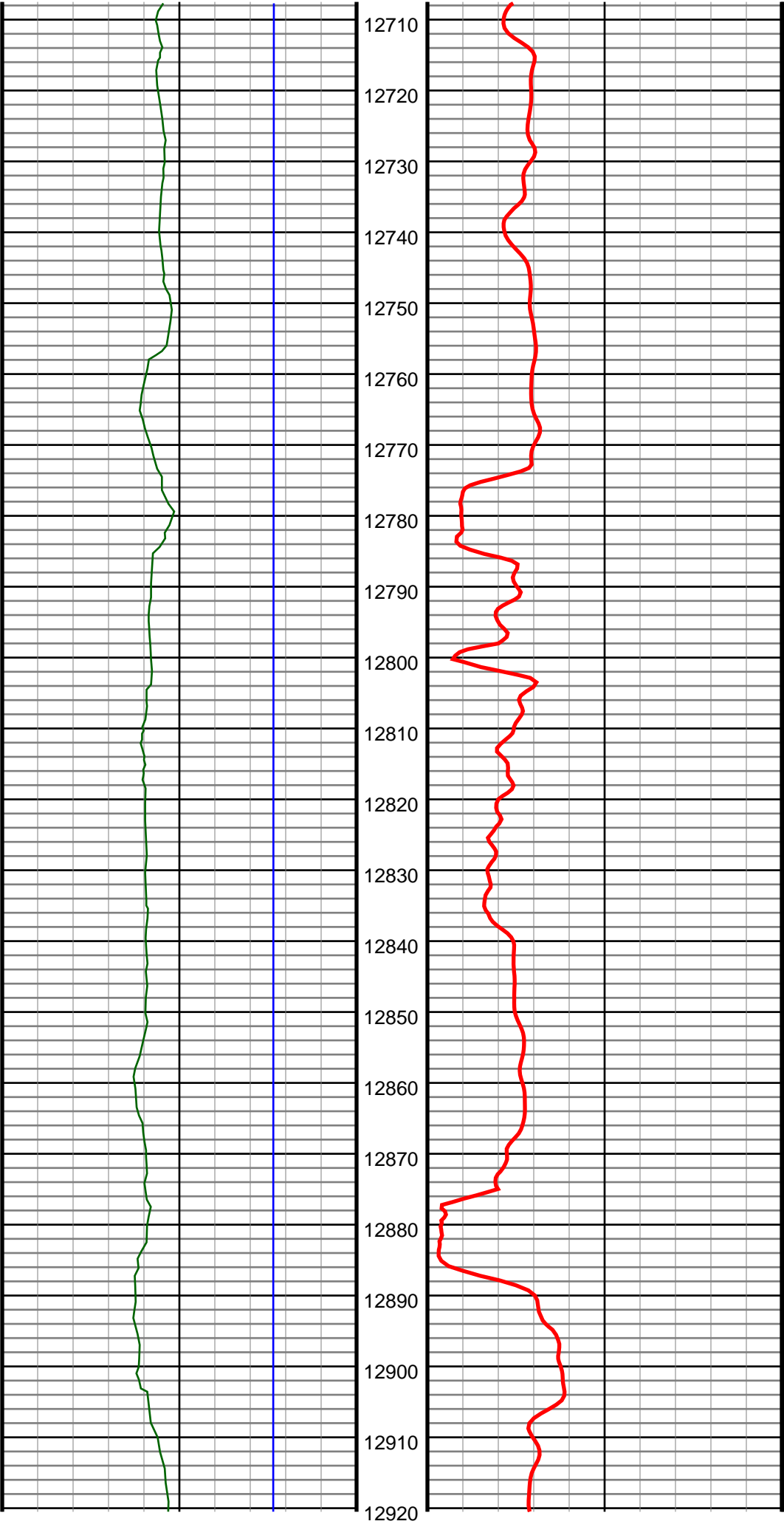
#143 MD(12342.00) Inc(86.9) Azm(269.4) TVD(6915.82)
VS(5530.91) NS(865.48) EW(-5470.01) TEMP(0.0)

#144 MD(12437.00) Inc(87.8) Azm(271.4) TVD(6920.21)
VS(5625.33) NS(866.14) EW(-5564.90) TEMP(0.0)



#145 MD(12531.00) Inc(89.8) Azm(270.7) TVD(6922.18)
VS(5718.94) NS(867.86) EW(-5658.85) TEMP(0.0)

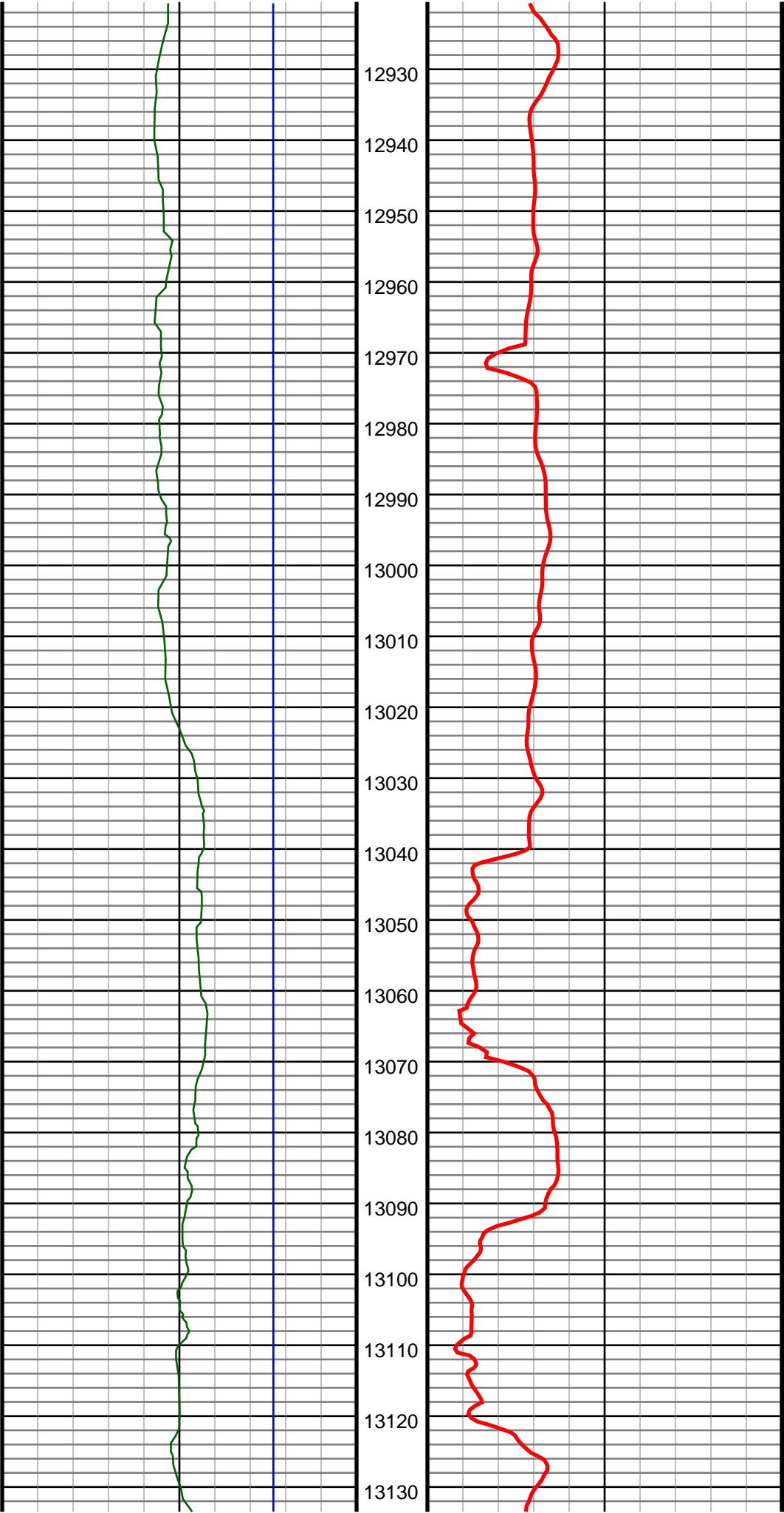
#146 MD(12625.00) Inc(91.2) Azm(270.5) TVD(6921.36)
VS(5812.51) NS(868.85) EW(-5752.84) TEMP(0.0)



#147 MD(12719.00) Inc(90.8) Azm(270.1) TVD(6919.72)
VS(5906.02) NS(869.34) EW(-5846.83) TEMP(0.0)

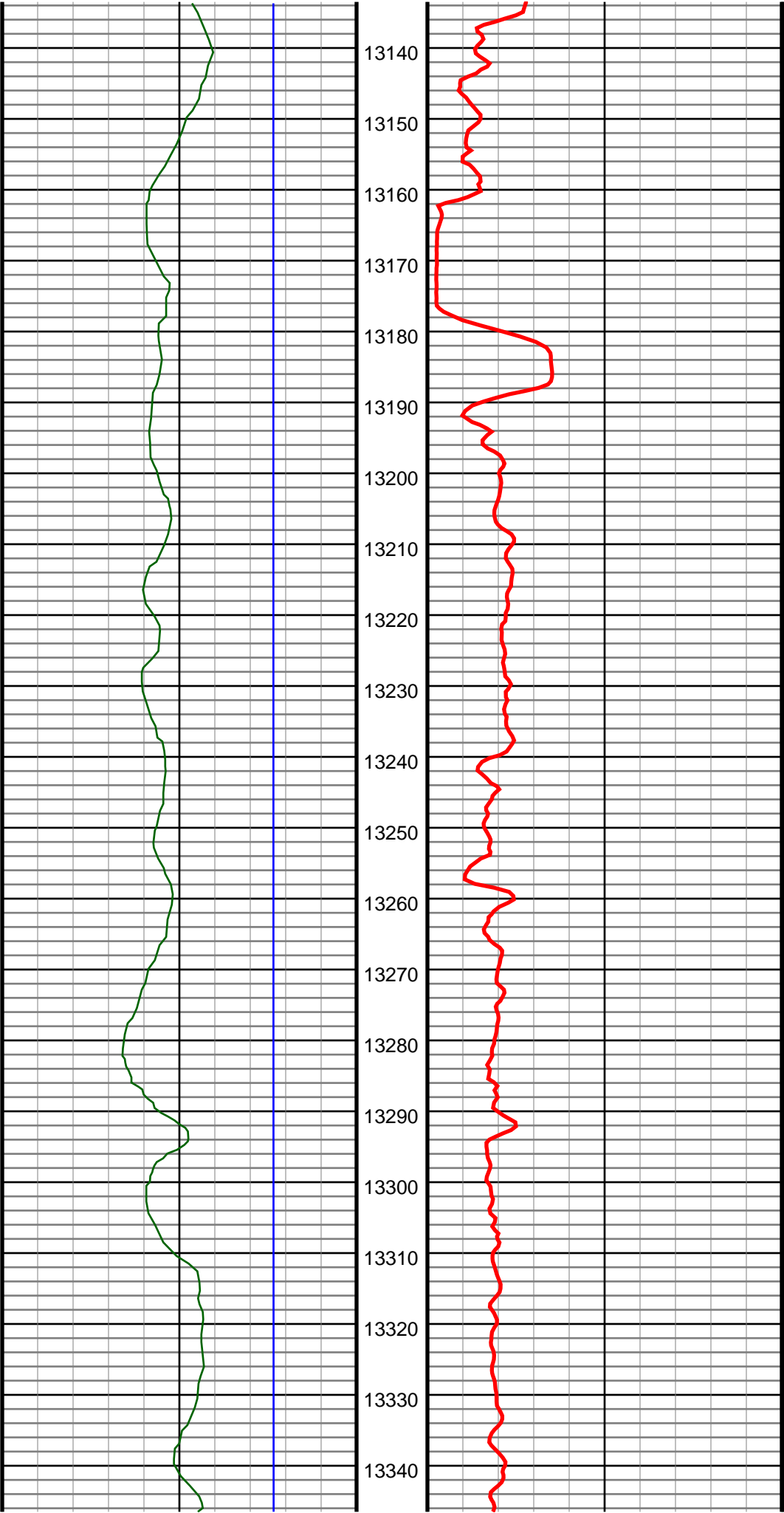
#148 MD(12814.00) Inc(90.7) Azm(270.3) TVD(6918.47)
VS(6000.51) NS(869.67) EW(-5941.82) TEMP(0.0)

#149 MD(12908.00) Inc(90.1) Azm(269.1) TVD(6917.82)
VS(6093.92) NS(869.18) EW(-6035.81) TEMP(0.0)



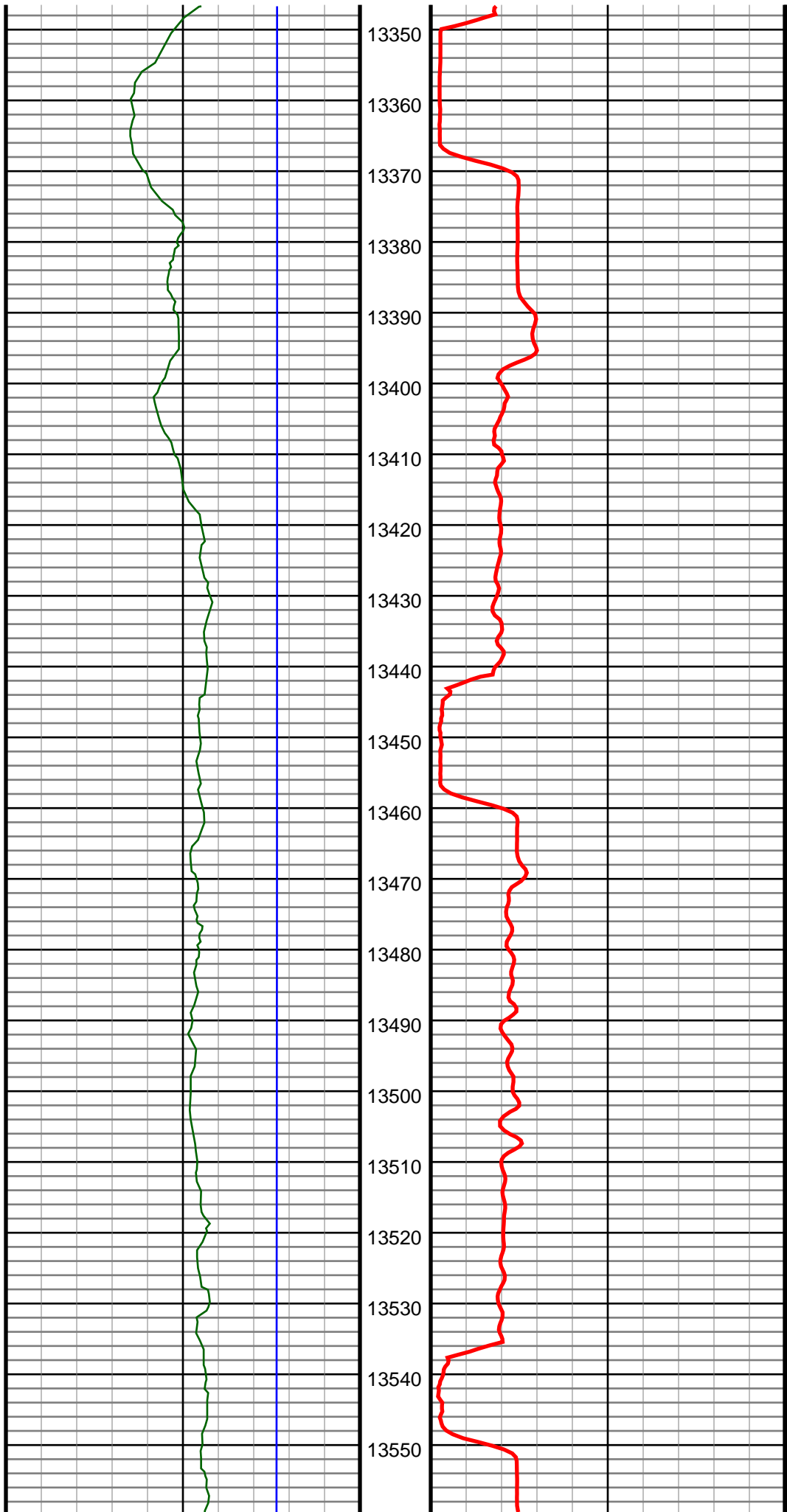
#150 MD(13002.00) Inc(90.0) Azm(270.0) TVD(6917.74)
VS(6187.31) NS(868.44) EW(-6129.81) TEMP(0.0)

#151 MD(13096.00) Inc(89.3) Azm(269.1) TVD(6918.31)
VS(6280.70) NS(867.70) EW(-6223.80) TEMP(0.0)



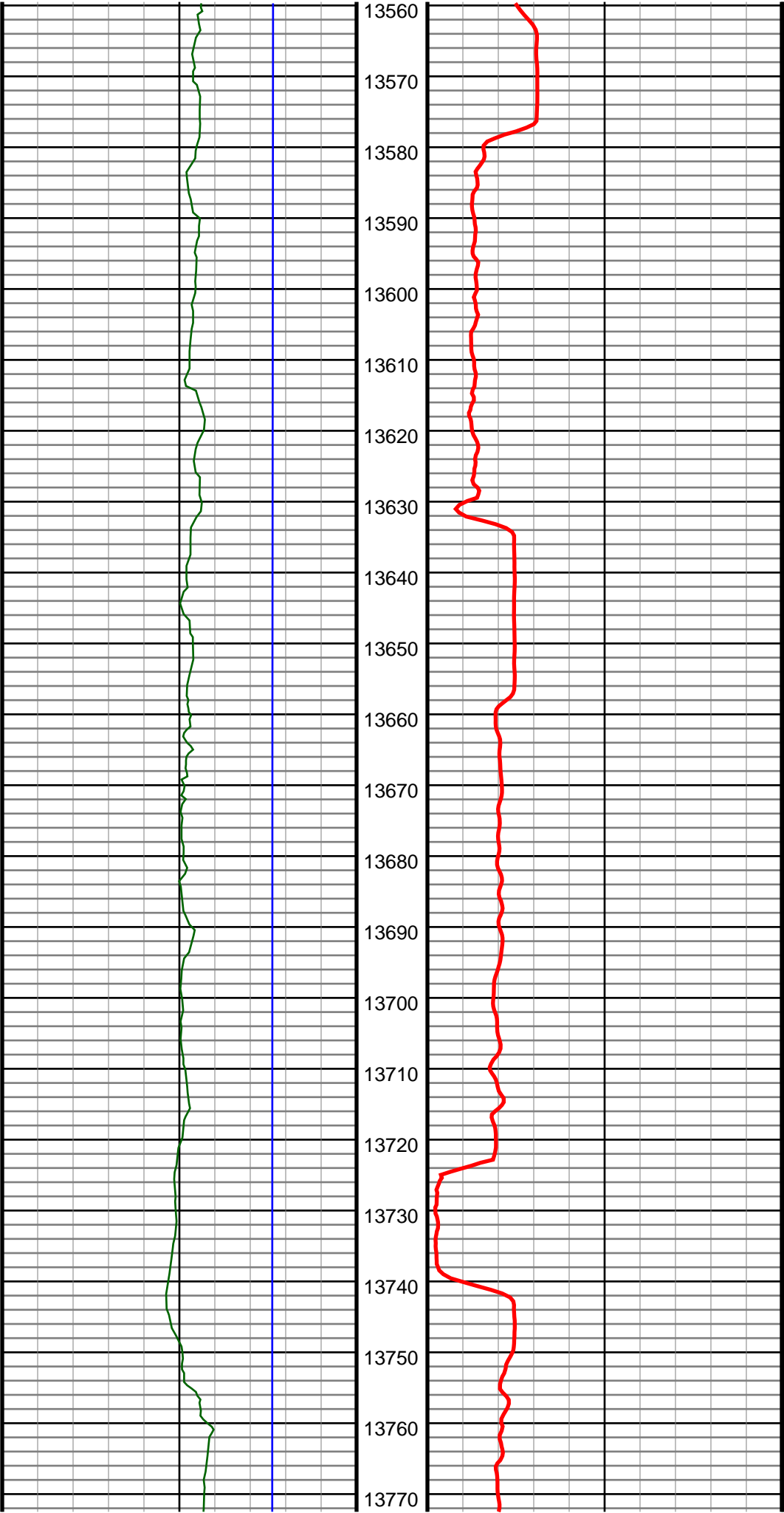
#152 MD(13190.00) Inc(90.7) Azm(270.0) TVD(6918.31)
VS(6374.08) NS(866.96) EW(-6317.80) TEMP(0.0)

#153 MD(13284.00) Inc(89.0) Azm(269.3) TVD(6918.56)
VS(6467.49) NS(866.39) EW(-6411.79) TEMP(0.0)



#154 MD(13377.00) Inc(90.0) Azm(270.1) TVD(6919.37)
VS(6559.91) NS(865.90) EW(-6504.78) TEMP(0.0)

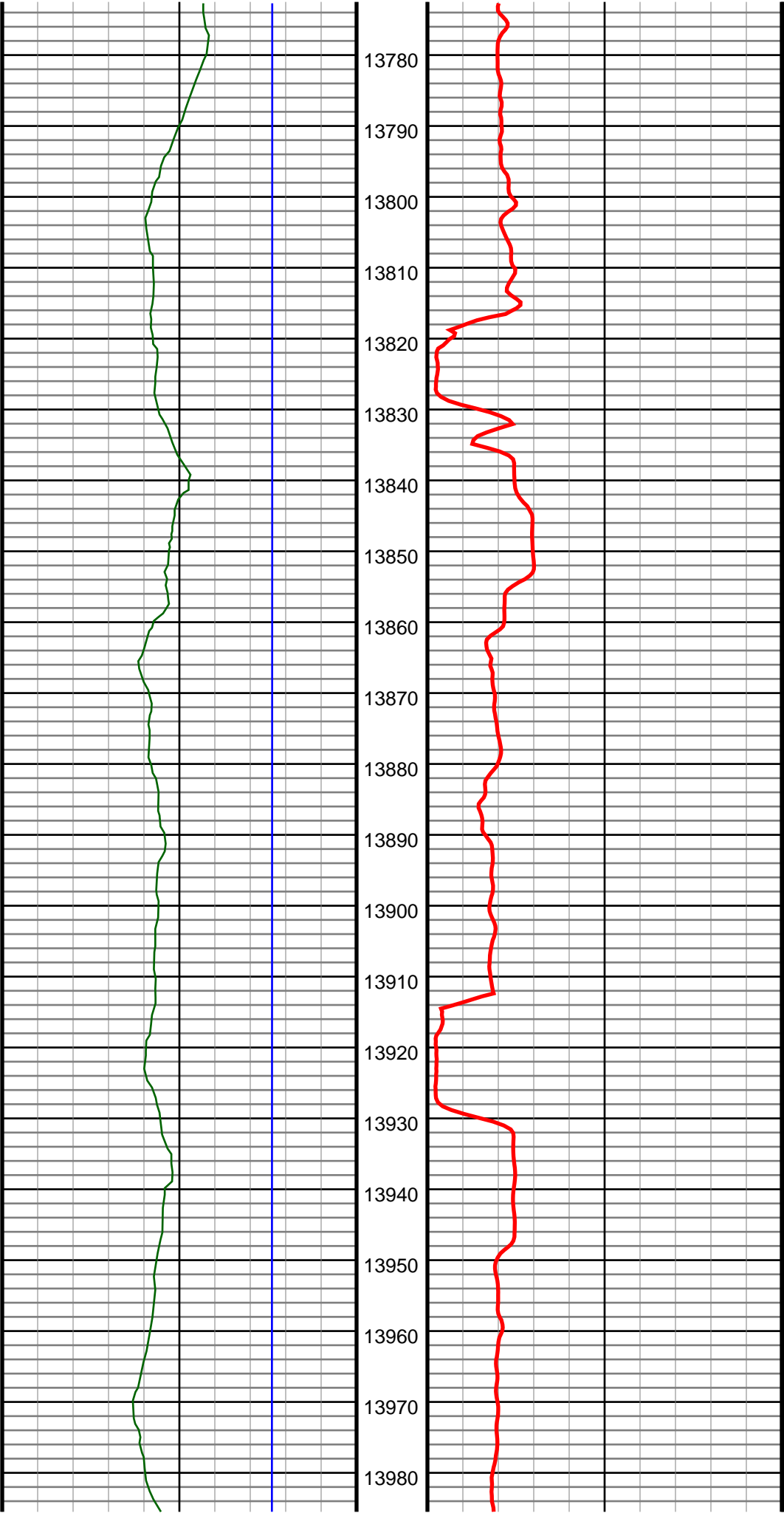
#155 MD(13472.00) Inc(90.7) Azm(269.8) TVD(6918.79)
VS(6654.36) NS(865.82) EW(-6599.78) TEMP(0.0)



#156 MD(13566.00) Inc(91.4) Azm(270.8) TVD(6917.07)
VS(6747.87) NS(866.31) EW(-6693.76) TEMP(0.0)

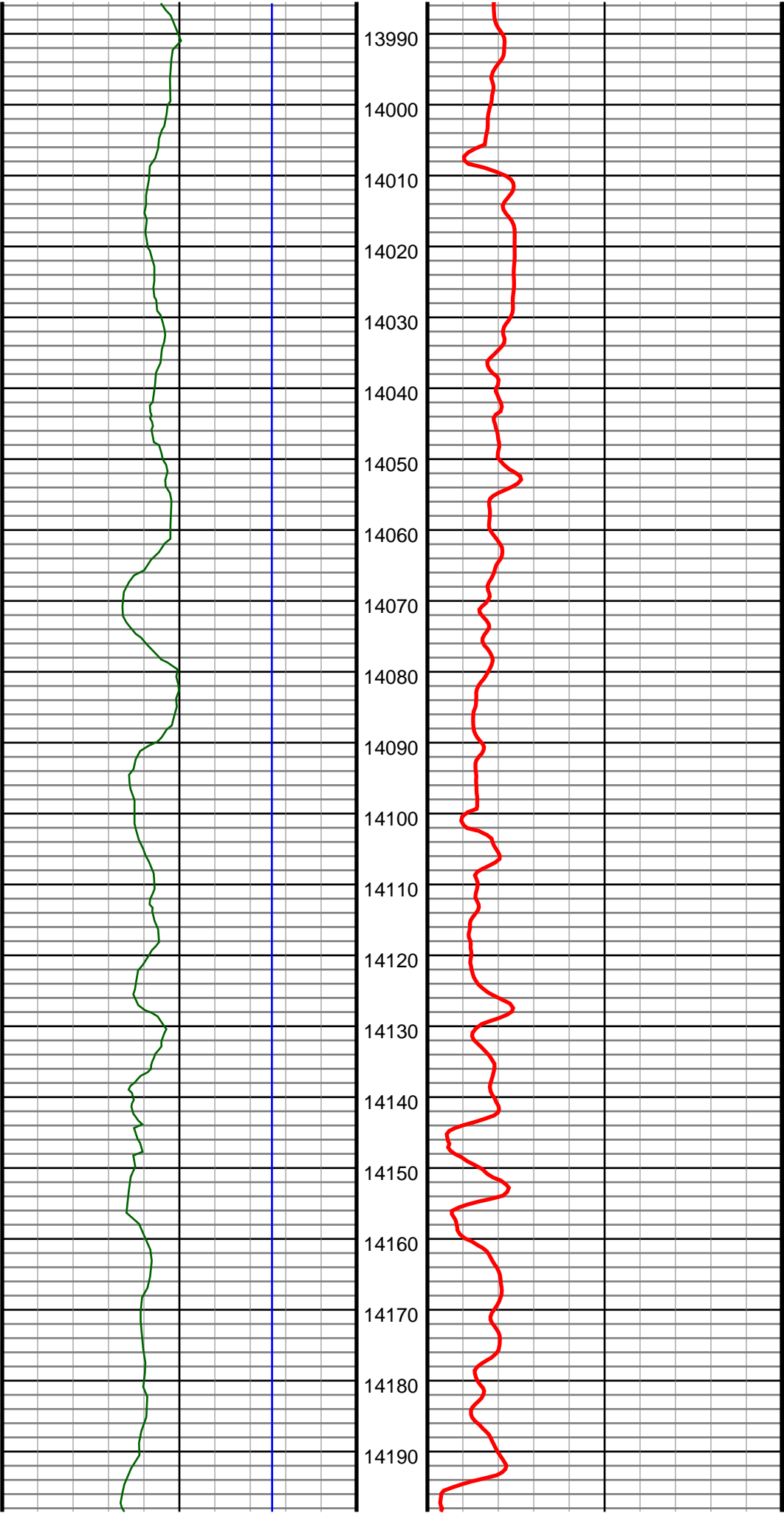
#157 MD(13660.00) Inc(91.1) Azm(271.6) TVD(6915.01)
VS(6841.50) NS(868.28) EW(-6787.72) TEMP(0.0)

#158 MD(13754.00) Inc(89.6) Azm(270.3) TVD(6914.44)
VS(6935.12) NS(869.84) EW(-6881.70) TEMP(0.0)



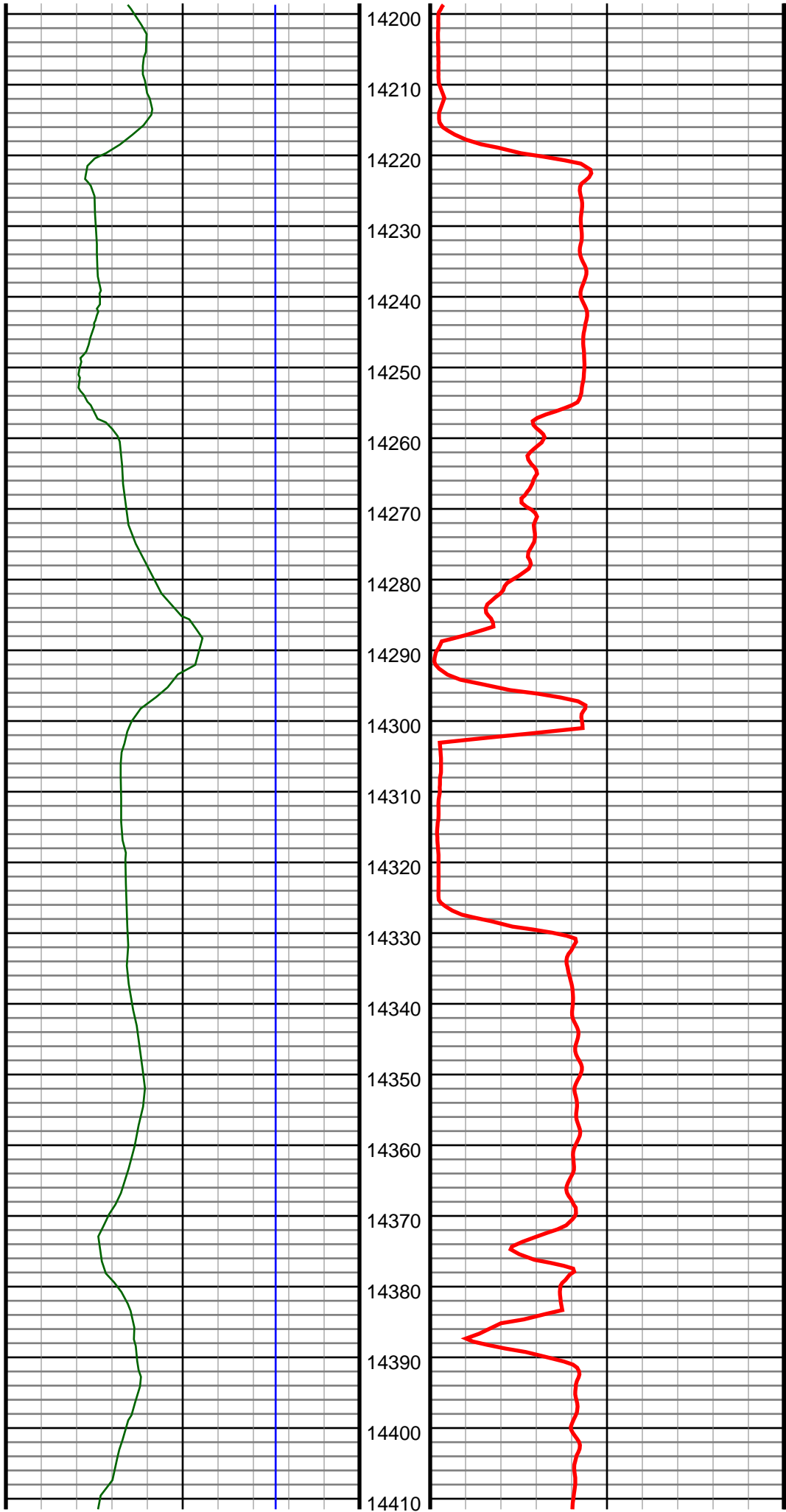
#159 MD(13849.00) Inc(90.5) Azm(270.0) TVD(6914.36)
VS(7029.61) NS(870.09) EW(-6976.70) TEMP(0.0)

#160 MD(13943.00) Inc(90.5) Azm(268.4) TVD(6913.54)
VS(7122.93) NS(868.77) EW(-7070.68) TEMP(0.0)



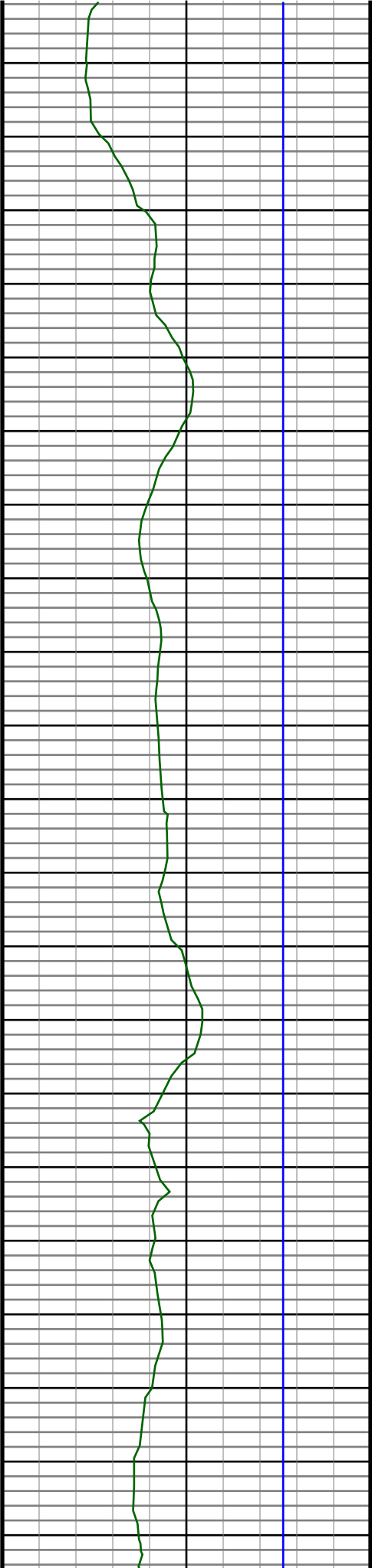
#161 MD(14037.00) Inc(90.2) Azm(267.9) TVD(6912.96)
VS(7216.03) NS(865.74) EW(-7164.63) TEMP(0.0)

#162 MD(14131.00) Inc(89.5) Azm(267.2) TVD(6913.21)
VS(7308.98) NS(861.72) EW(-7258.54) TEMP(0.0)

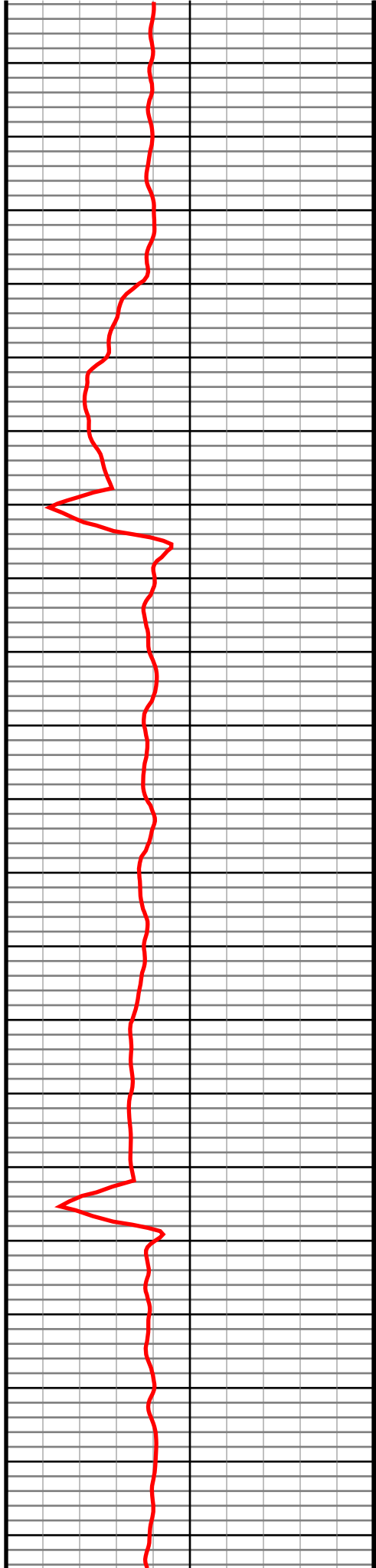


#163 MD(14226.00) Inc(89.0) Azm(269.1) TVD(6914.45)
VS(7403.06) NS(858.65) EW(-7353.48) TEMP(0.0)

#164 MD(14320.00) Inc(89.7) Azm(269.8) TVD(6915.52)
VS(7496.43) NS(857.75) EW(-7447.47) TEMP(0.0)



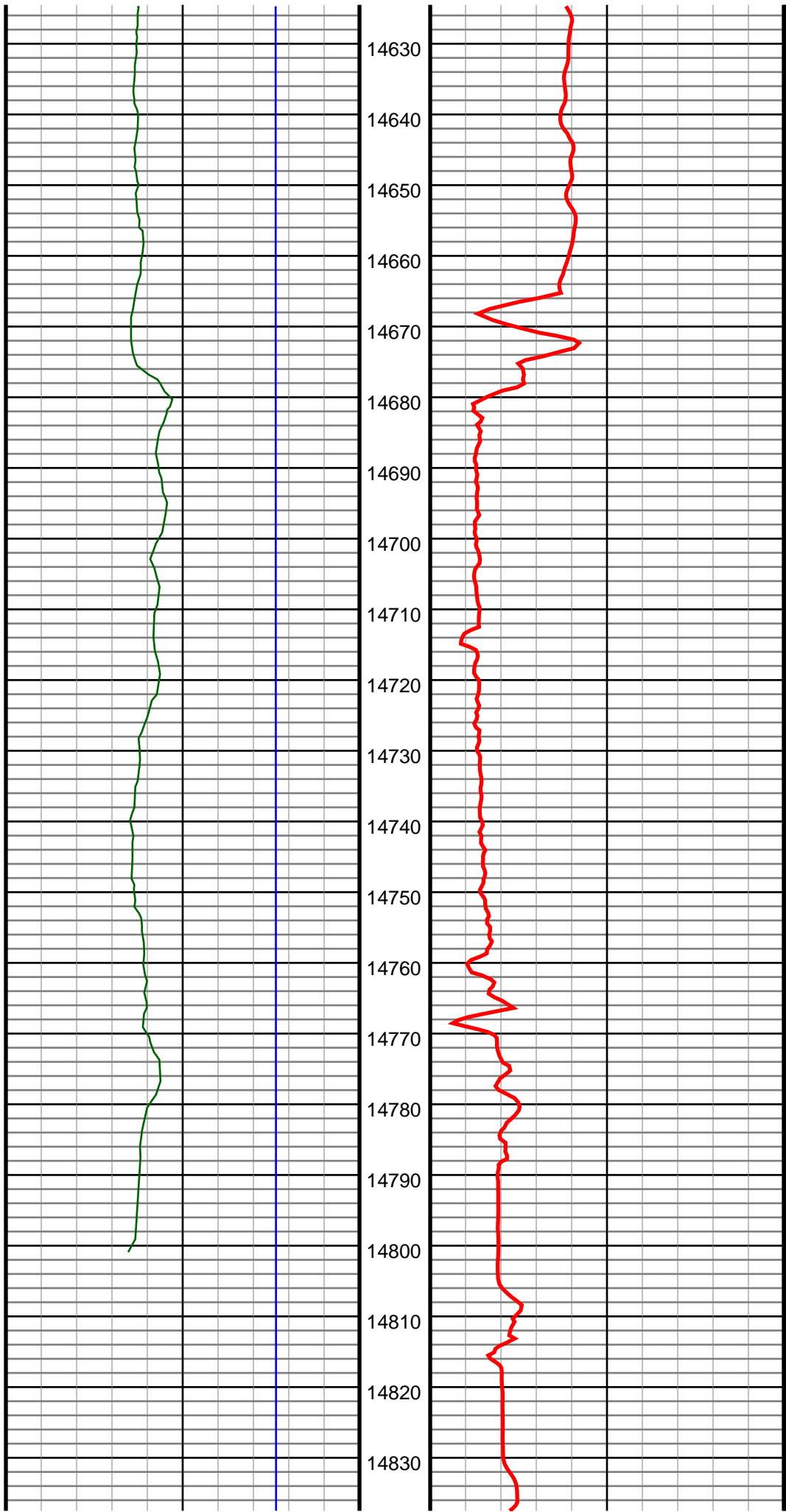
14420
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14590
14600
14610
14620



#165 MD(14414.00) Inc(90.3) Azm(270.5) TVD(6915.52)
VS(7589.92) NS(858.00) EW(-7541.47) TEMP(0.0)

#166 MD(14508.00) Inc(90.1) Azm(270.0) TVD(6915.19)
VS(7683.44) NS(858.41) EW(-7635.47) TEMP(0.0)

#167 MD(14602.00) Inc(89.7) Azm(269.3) TVD(6915.36)
VS(7776.84) NS(857.83) EW(-7729.46) TEMP(0.0)



#168 MD(14697.00) Inc(89.6) Azm(268.9) TVD(6915.94)
VS(7871.14) NS(856.34) EW(-7824.45) TEMP(0.0)

