



MD

ARELLANO S-10-9HN

5":100'

Company: Bayswater Exploration & Production, LLC

Well Name: ARELLANO S-10-9HN

API: 05-123-41111-00

Rig Id: Frontier 8

State: CO

County/Parish: Weld

Country: United States

Survey Company: Ensign Directional Services

Job number:

DIR. DRILLER DAY Kody Woods

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: 7371 ft 6/22/2015

End: 14041 ft 6/25/2015

Casing Depth Size

Surface: 790 9.625

Intermediate: 7342 7

Mud Type:

Density:

Viscosity:

Rm:

Rmf:

Rmc:

Elevations

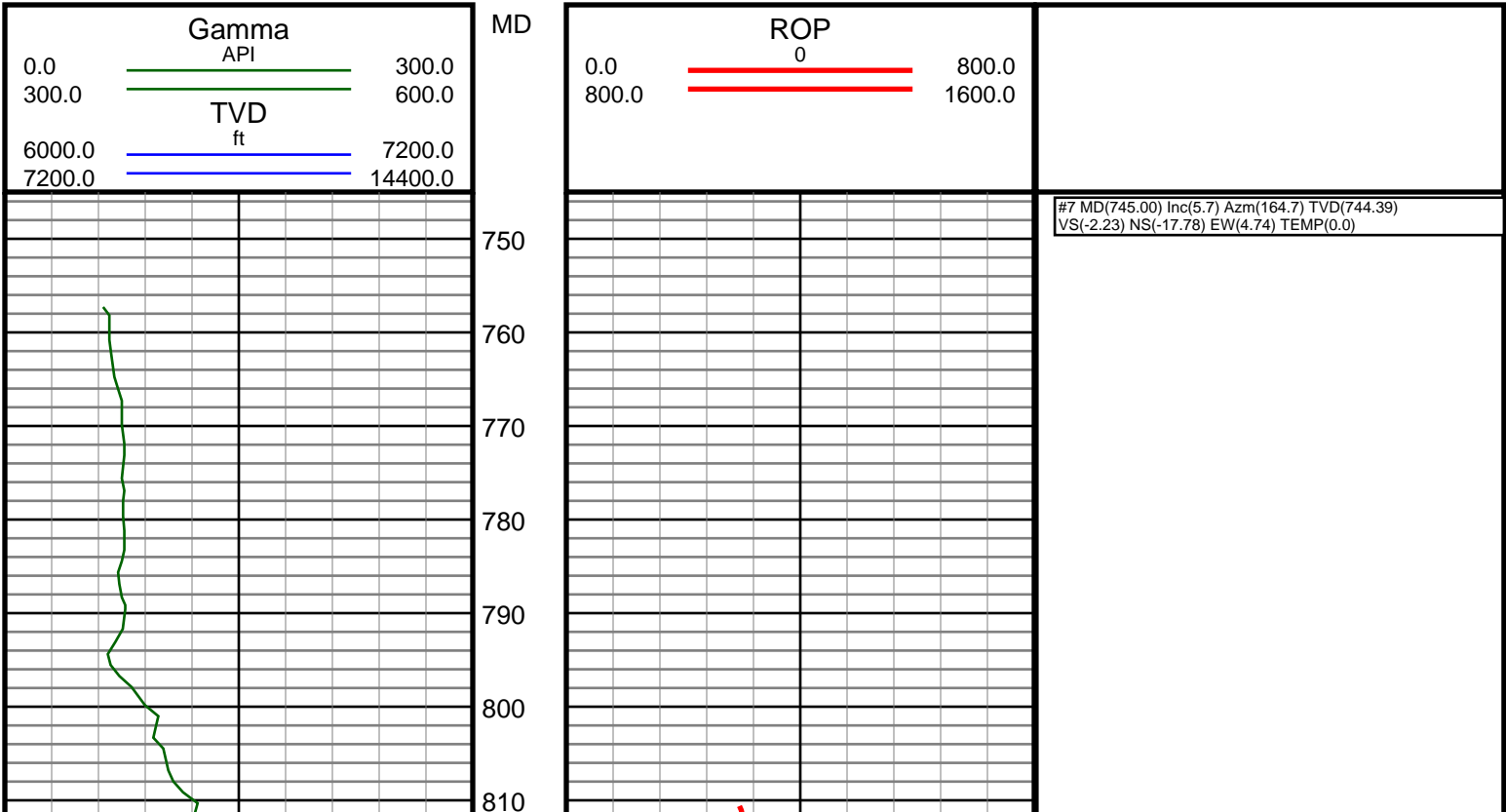
KB: 4638.5

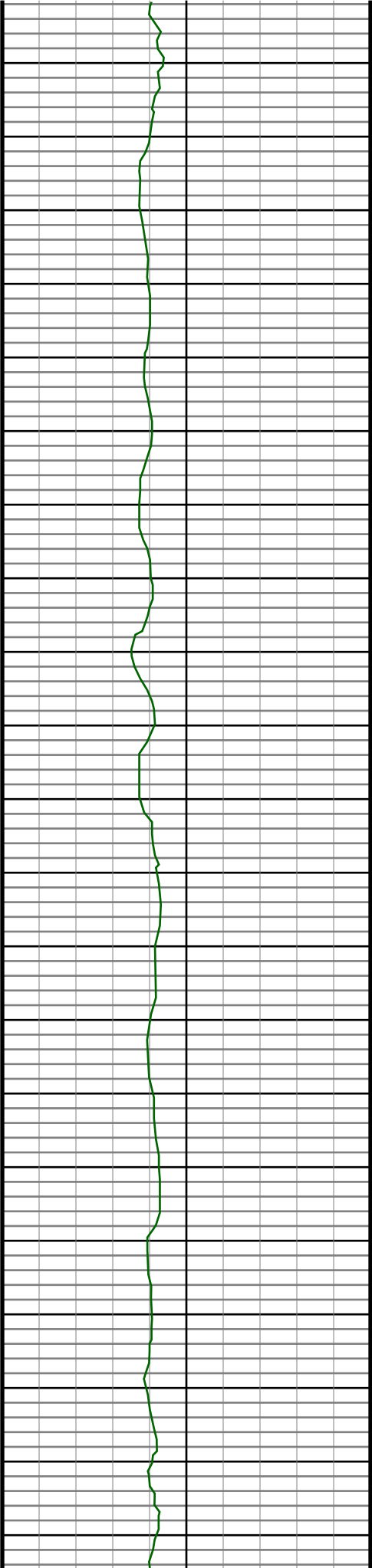
GL: 4616

DF: 4638.5

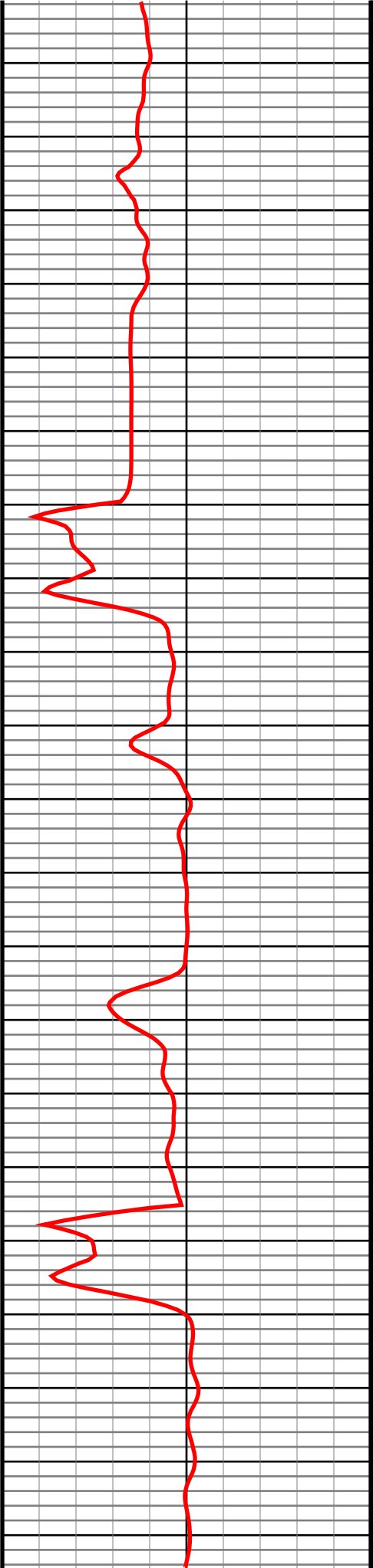
Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75	53.32	48.32	800	7371	4/6/2015	4/7/2015
2	6.125	59.57	54.57	7371	14041	6/22/2015	6/25/2015
3							
4							
5							
6							
7							
8							
9							
10							

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.





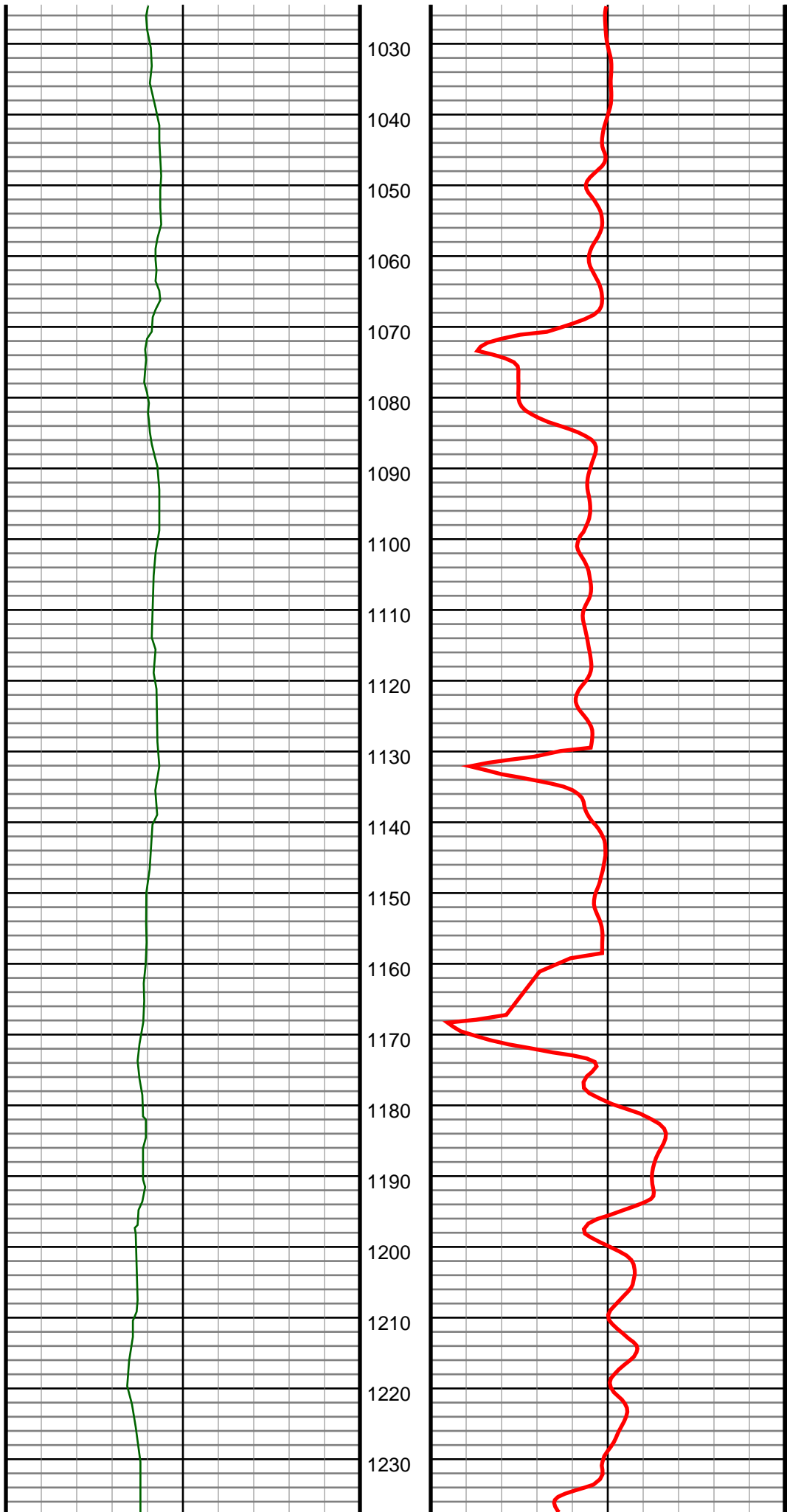
820  
830  
840  
850  
860  
870  
880  
890  
900  
910  
920  
930  
940  
950  
960  
970  
980  
990  
1000  
1010  
1020



#8 MD(831.00) Inc(6.7) Azm(167.9) TVD(829.89)  
VS(-3.14) NS(-26.81) EW(6.92) TEMP(0.0)

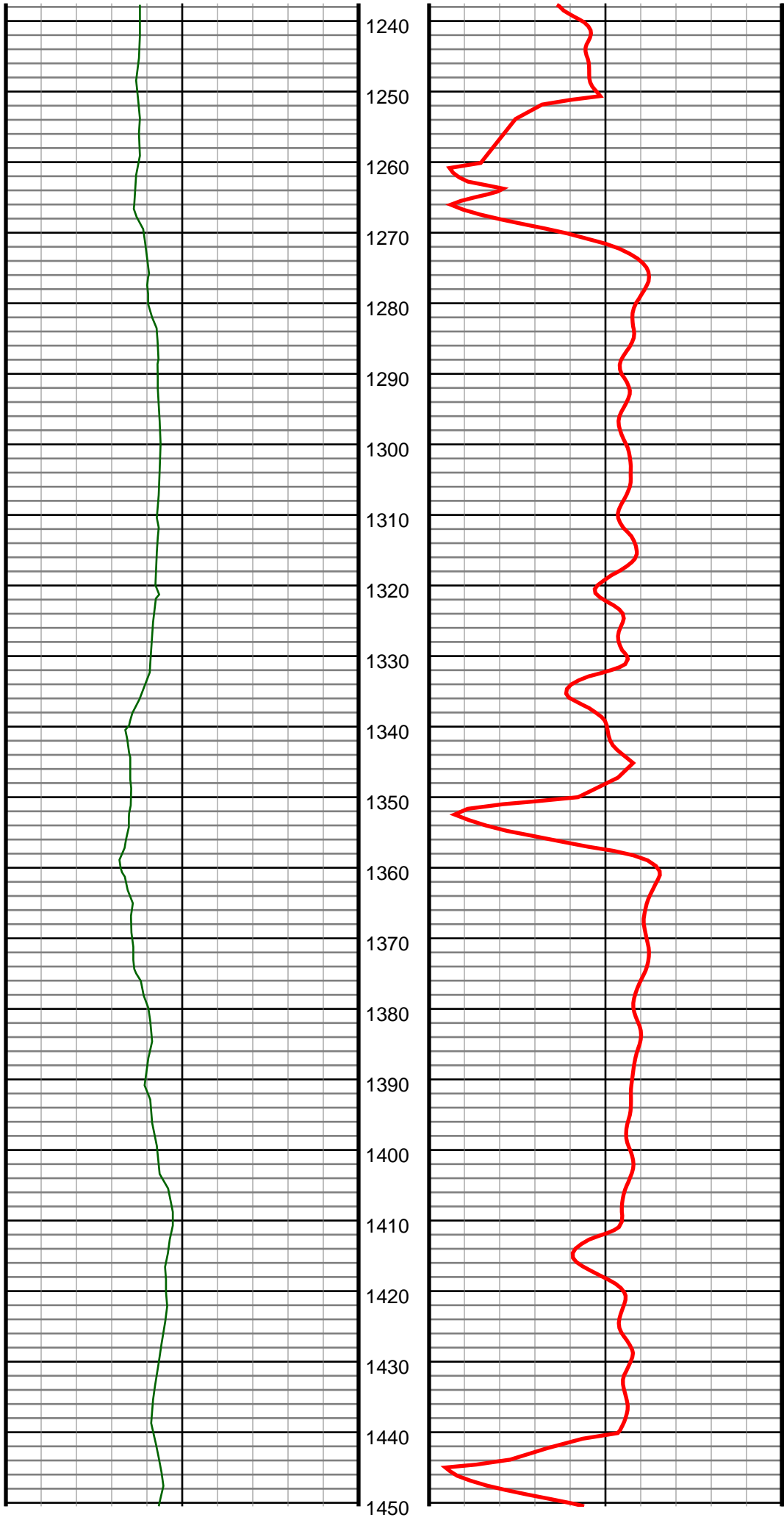
#9 MD(926.00) Inc(9.2) Azm(173.7) TVD(923.97)  
VS(-3.32) NS(-39.78) EW(8.91) TEMP(0.0)

#10 MD(1021.00) Inc(11.2) Azm(176.7) TVD(1017.46)  
VS(-2.35) NS(-56.54) EW(10.28) TEMP(0.0)



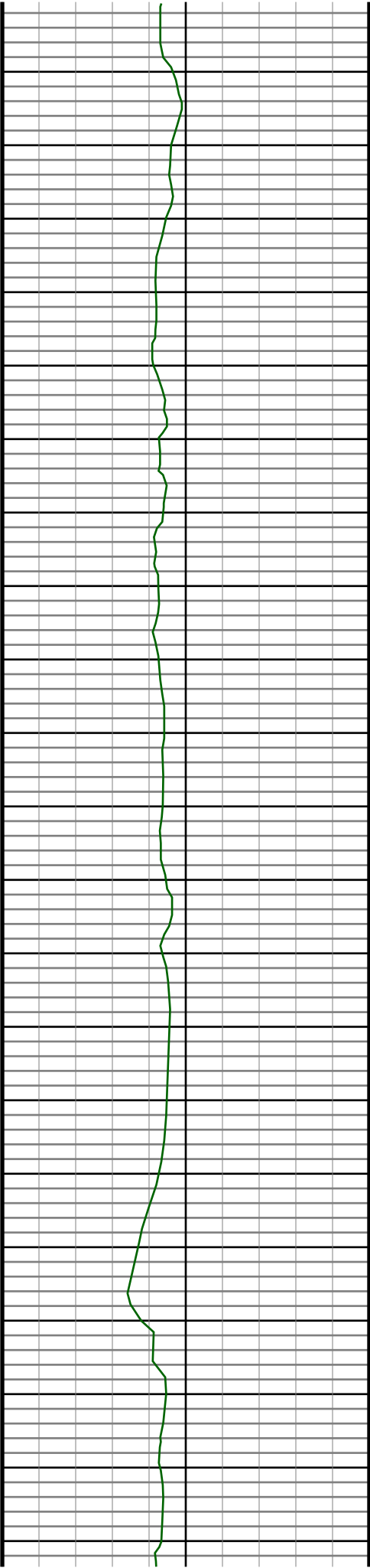
#11 MD(1117.00) Inc(12.5) Azm(164.4) TVD(1111.43)  
VS(-2.97) NS(-75.85) EW(13.61) TEMP(0.0)

#12 MD(1209.00) Inc(12.5) Azm(166.1) TVD(1201.25)  
VS(-5.33) NS(-95.11) EW(18.68) TEMP(0.0)

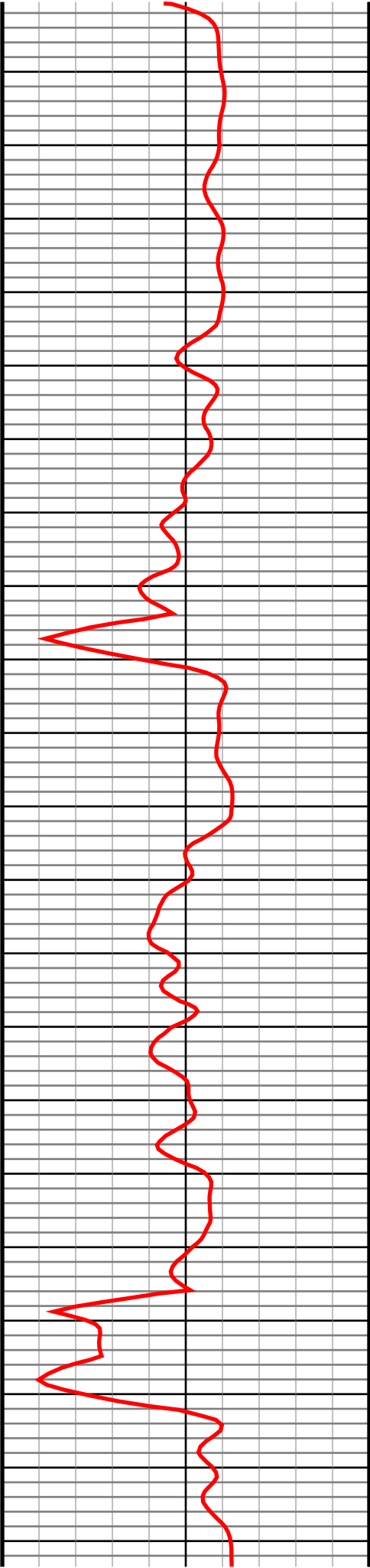


#13 MD(1301.00) Inc(12.4) Azm(162.5) TVD(1291.09)  
VS(-7.99) NS(-114.19) EW(24.04) TEMP(0.0)

#14 MD(1393.00) Inc(12.4) Azm(162.8) TVD(1380.94)  
VS(-11.22) NS(-133.05) EW(29.93) TEMP(0.0)

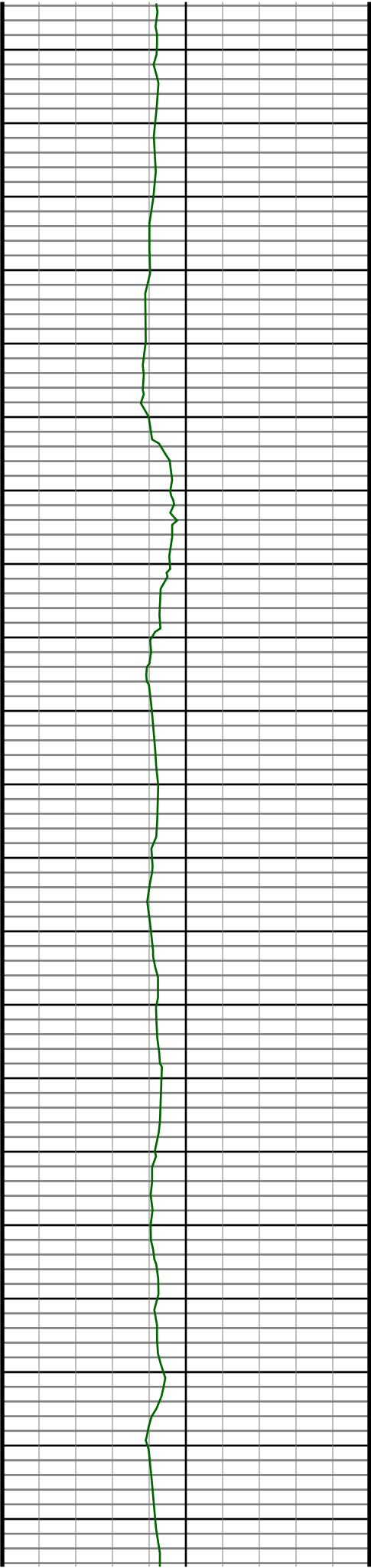


1460  
1470  
1480  
1490  
1500  
1510  
1520  
1530  
1540  
1550  
1560  
1570  
1580  
1590  
1600  
1610  
1620  
1630  
1640  
1650  
1660

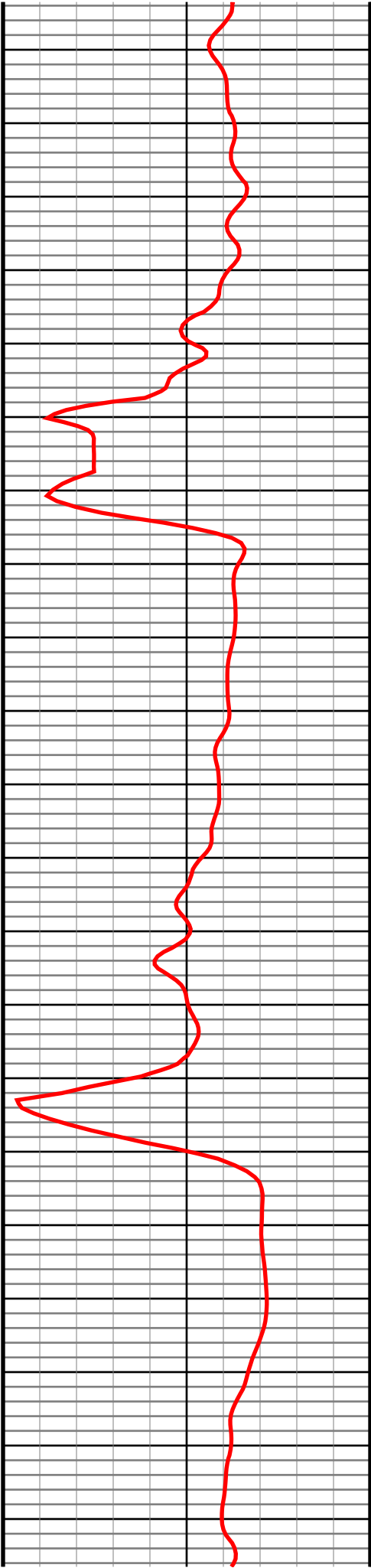


#15 MD(1485.00) Inc(11.5) Azm(158.9) TVD(1470.95)  
VS(-14.89) NS(-151.04) EW(36.15) TEMP(0.0)

#16 MD(1577.00) Inc(11.3) Azm(153.8) TVD(1561.14)  
VS(-19.80) NS(-167.69) EW(43.44) TEMP(0.0)



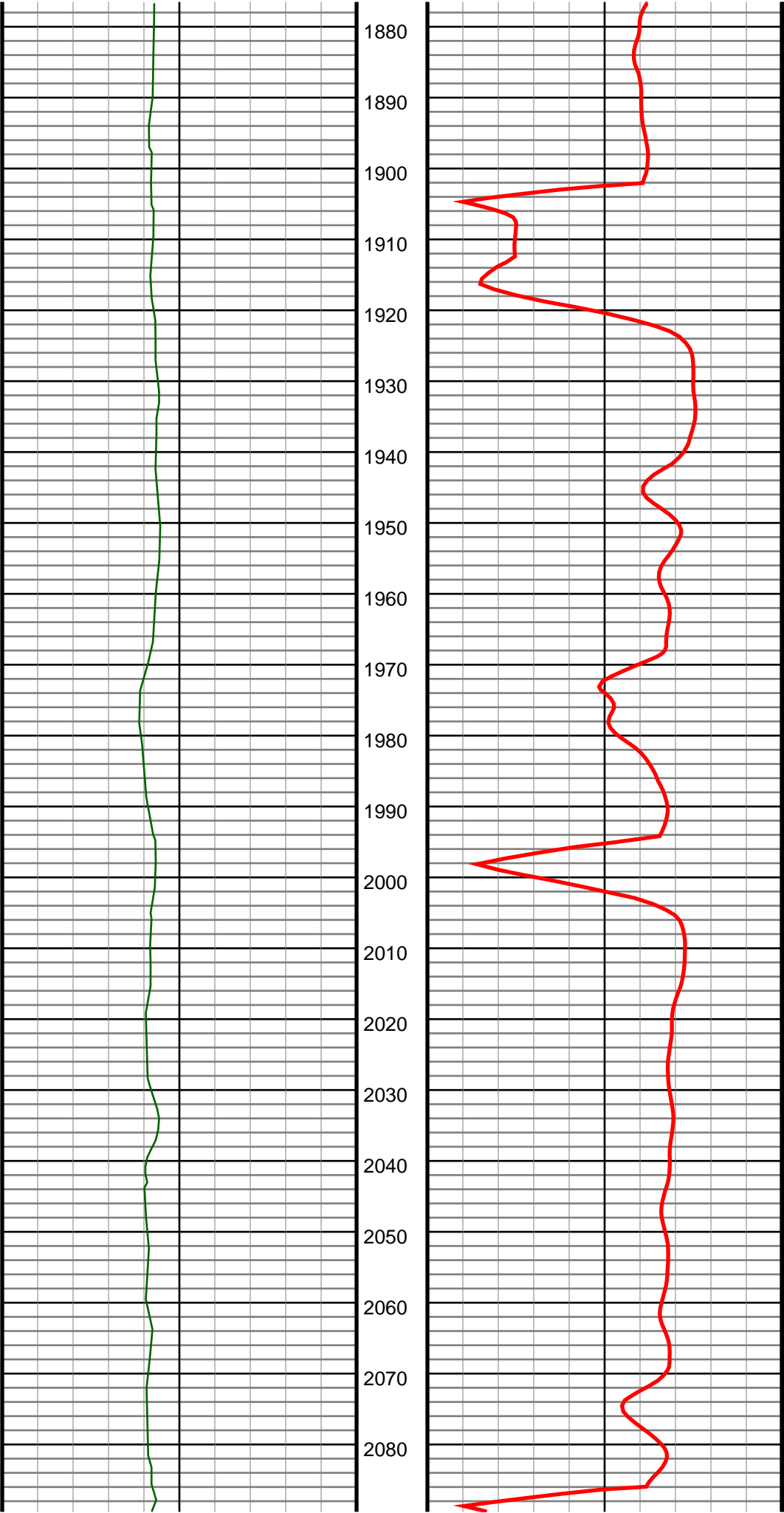
1670  
1680  
1690  
1700  
1710  
1720  
1730  
1740  
1750  
1760  
1770  
1780  
1790  
1800  
1810  
1820  
1830  
1840  
1850  
1860  
1870



#17 MD(1669.00) Inc(11.0) Azm(159.3) TVD(1651.40)  
VS(-24.55) NS(-183.99) EW(50.52) TEMP(0.0)

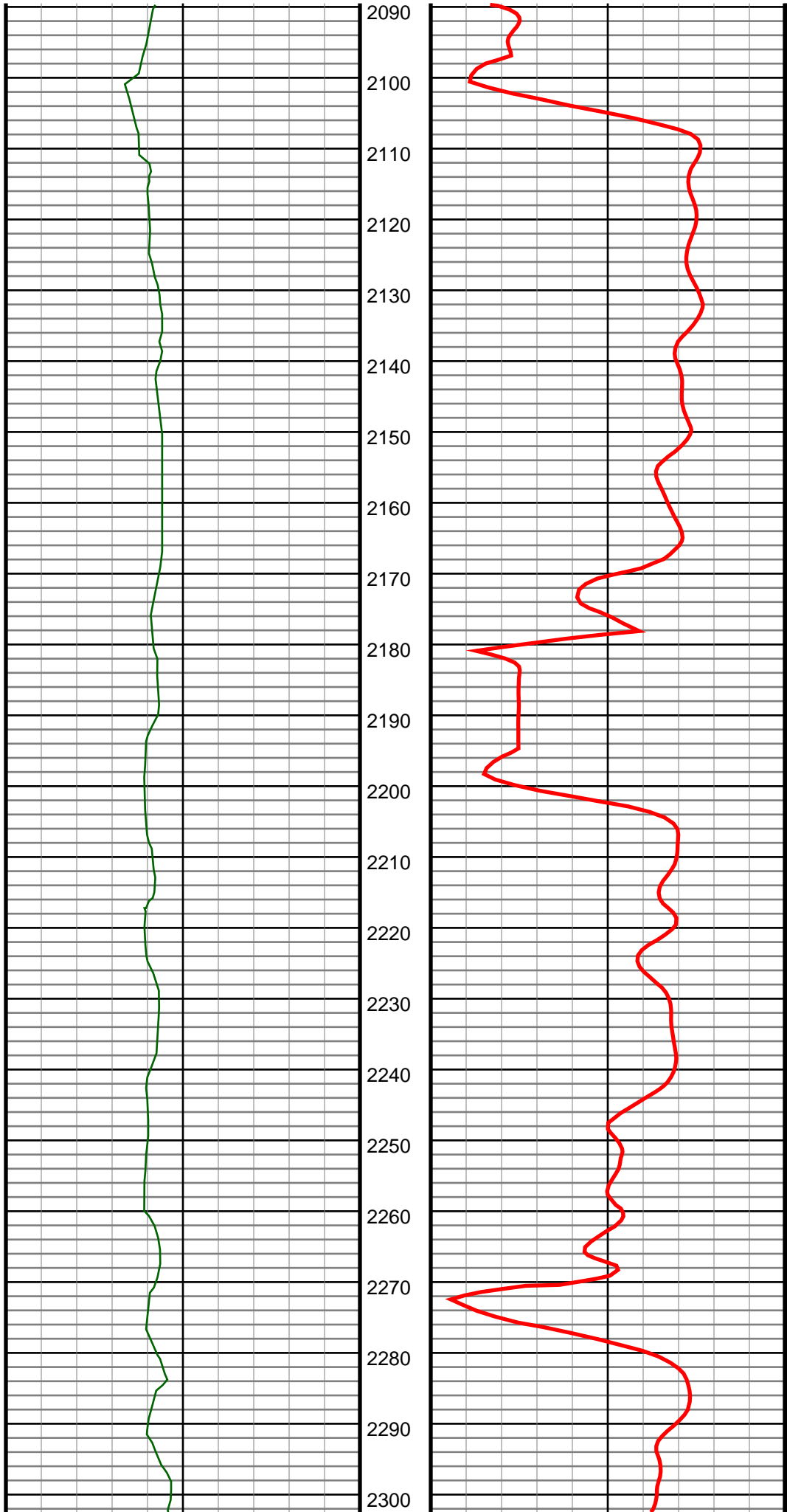
#18 MD(1762.00) Inc(11.5) Azm(162.5) TVD(1742.62)  
VS(-28.05) NS(-201.13) EW(56.44) TEMP(0.0)

#19 MD(1854.00) Inc(11.2) Azm(159.1) TVD(1832.82)  
VS(-31.57) NS(-218.22) EW(62.39) TEMP(0.0)



#20 MD(1946.00) Inc(11.5) Azm(163.3) TVD(1923.02)  
VS(-34.96) NS(-235.35) EW(68.21) TEMP(0.0)

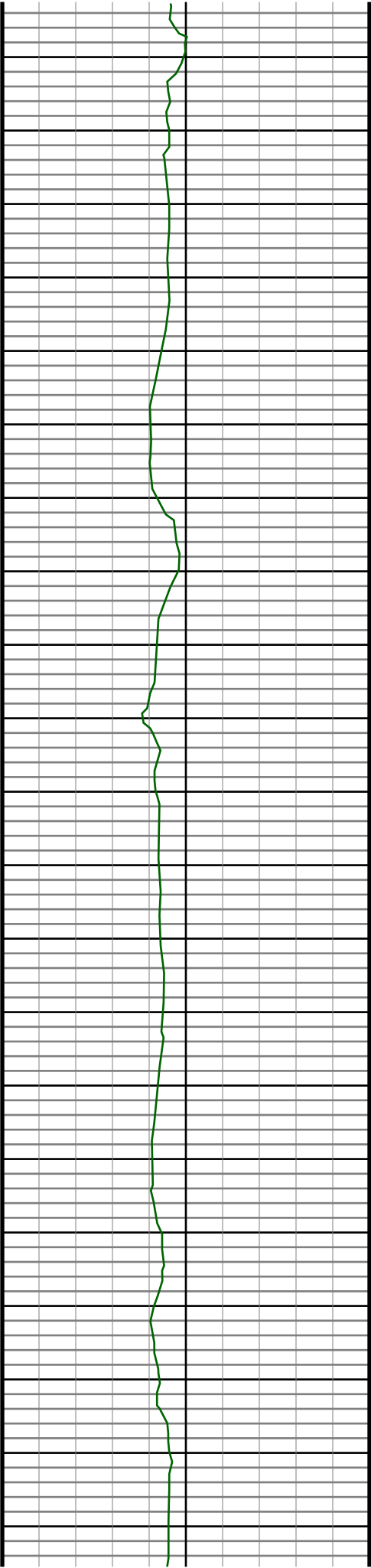
#21 MD(2038.00) Inc(11.0) Azm(159.8) TVD(2013.25)  
VS(-38.21) NS(-252.38) EW(73.88) TEMP(0.0)



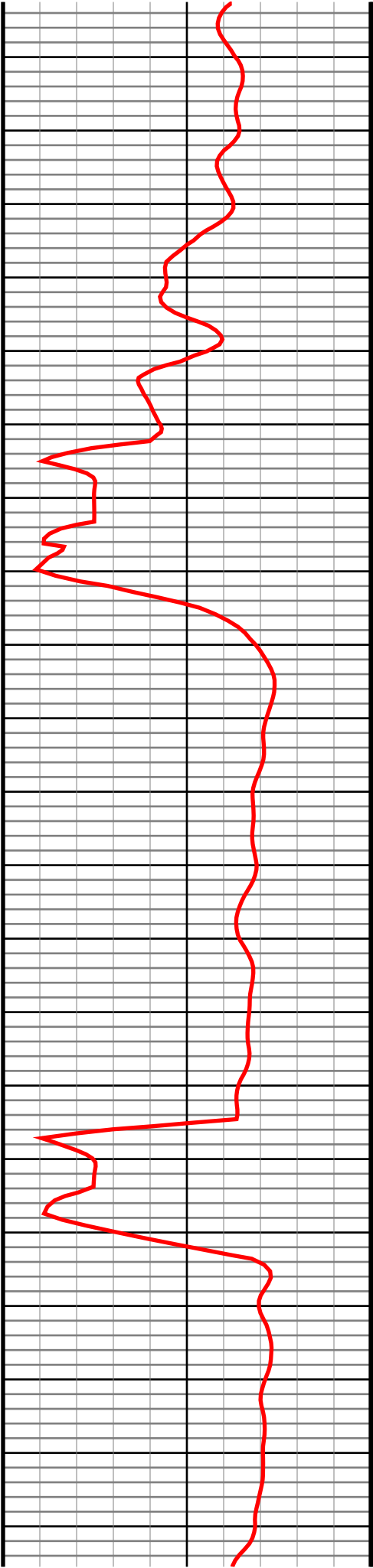
#22 MD(2130.00) Inc(10.6) Azm(163.9) TVD(2103.63)  
VS(-41.27) NS(-268.74) EW(79.25) TEMP(0.0)

#23 MD(2222.00) Inc(12.1) Azm(167.4) TVD(2193.82)  
VS(-43.25) NS(-286.28) EW(83.70) TEMP(0.0)

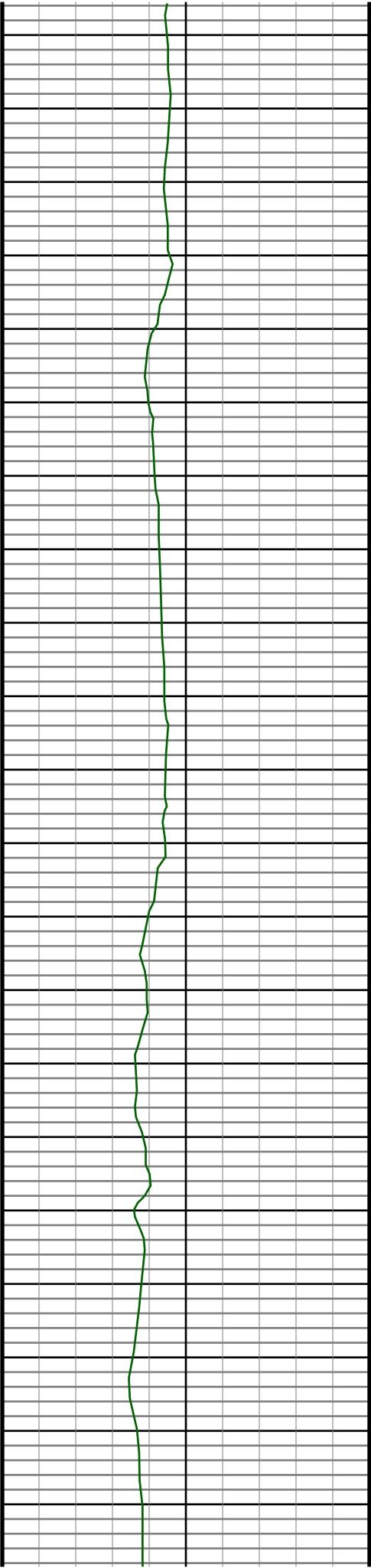




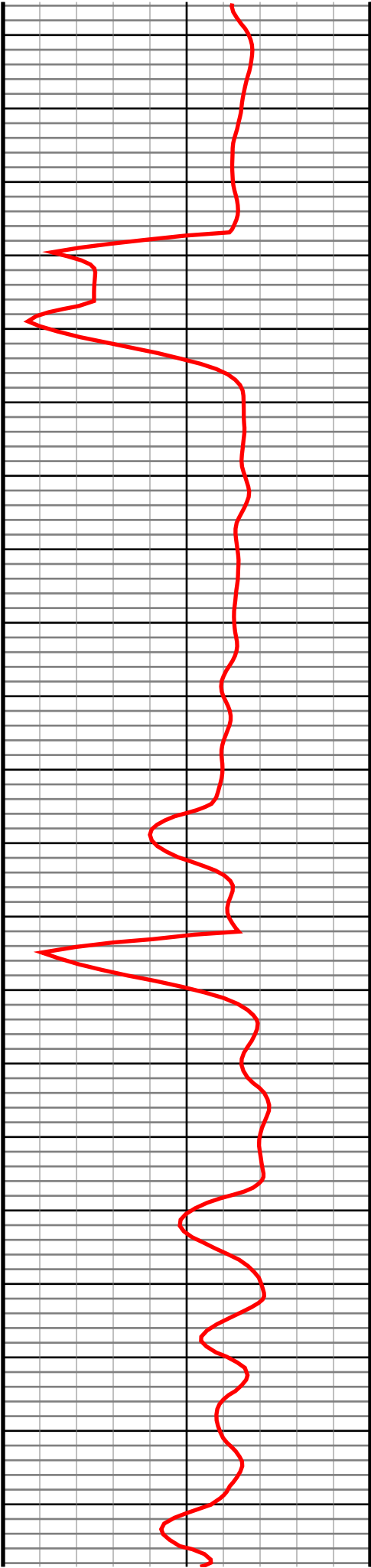
2310  
2320  
2330  
2340  
2350  
2360  
2370  
2380  
2390  
2400  
2410  
2420  
2430  
2440  
2450  
2460  
2470  
2480  
2490  
2500  
2510



#24 MD(2314.00) Inc(11.0) Azm(162.8) TVD(2283.96) VS(-45.44) NS(-304.08) EW(88.40) TEMP(0.0)
#25 MD(2406.00) Inc(11.8) Azm(164.2) TVD(2374.15) VS(-48.13) NS(-321.52) EW(93.56) TEMP(0.0)
#26 MD(2498.00) Inc(11.9) Azm(162.5) TVD(2464.19) VS(-50.99) NS(-339.61) EW(98.97) TEMP(0.0)

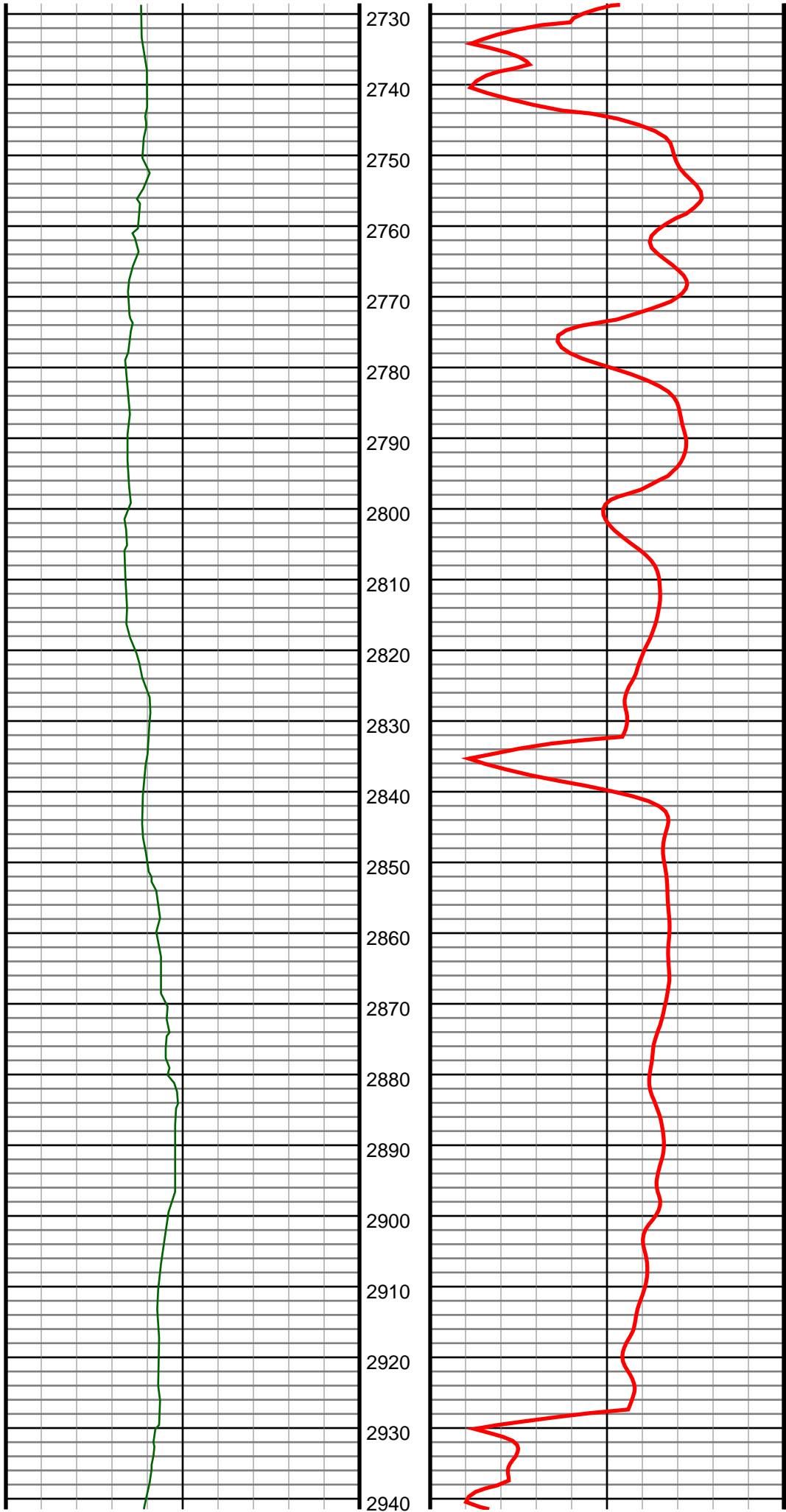


2520  
2530  
2540  
2550  
2560  
2570  
2580  
2590  
2600  
2610  
2620  
2630  
2640  
2650  
2660  
2670  
2680  
2690  
2700  
2710  
2720



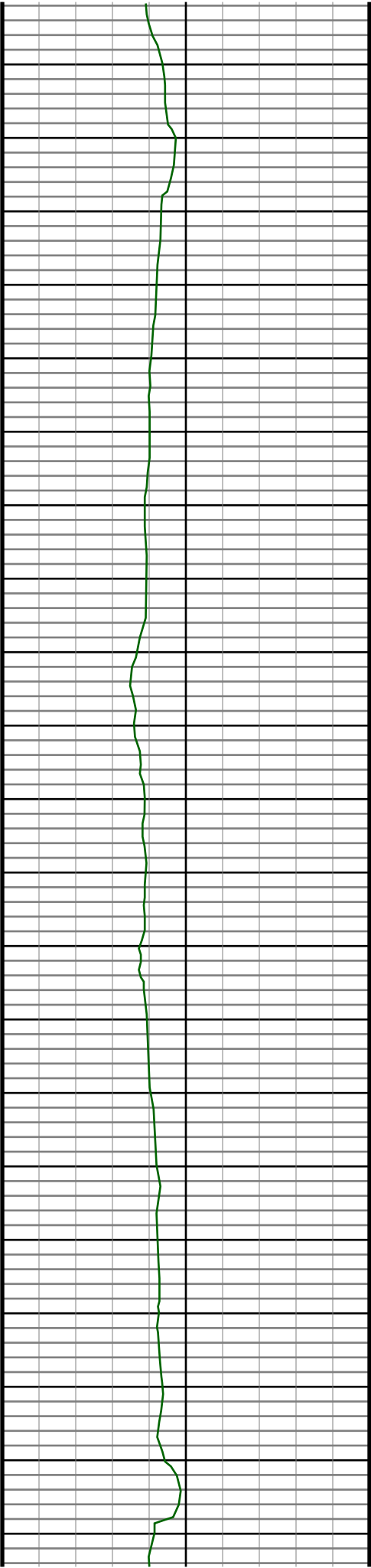
#27 MD(2593.00) Inc(12.3) Azm(163.5) TVD(2557.08)  
VS(-54.12) NS(-358.66) EW(104.79) TEMP(0.0)

#28 MD(2689.00) Inc(12.0) Azm(162.6) TVD(2650.93)  
VS(-57.27) NS(-377.99) EW(110.68) TEMP(0.0)

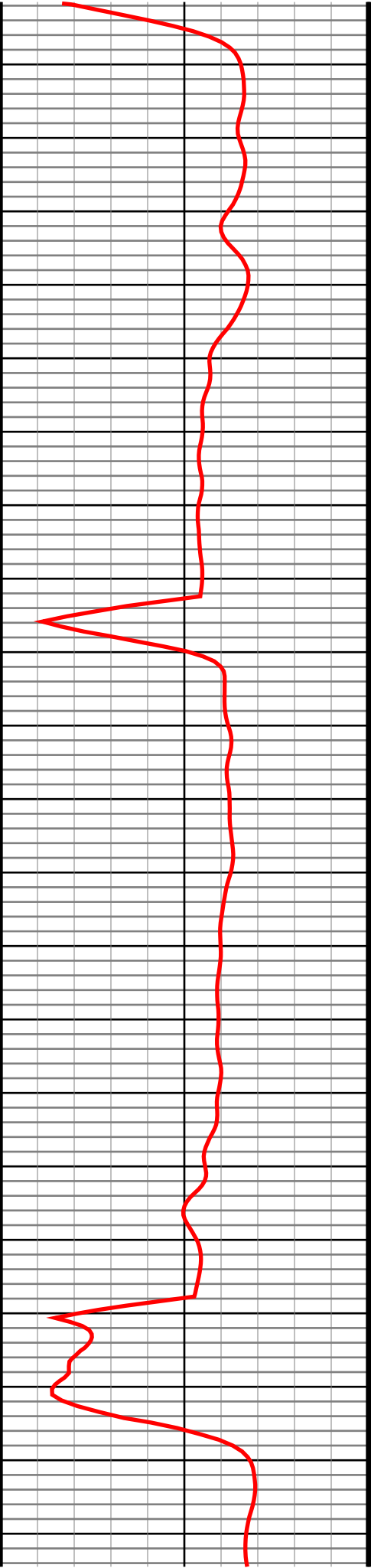


#29 MD(2784.00) Inc(12.3) Azm(161.7) TVD(2743.80)  
VS(-60.71) NS(-397.02) EW(116.81) TEMP(0.0)

#30 MD(2879.00) Inc(11.6) Azm(159.8) TVD(2836.74)  
VS(-64.55) NS(-415.59) EW(123.29) TEMP(0.0)

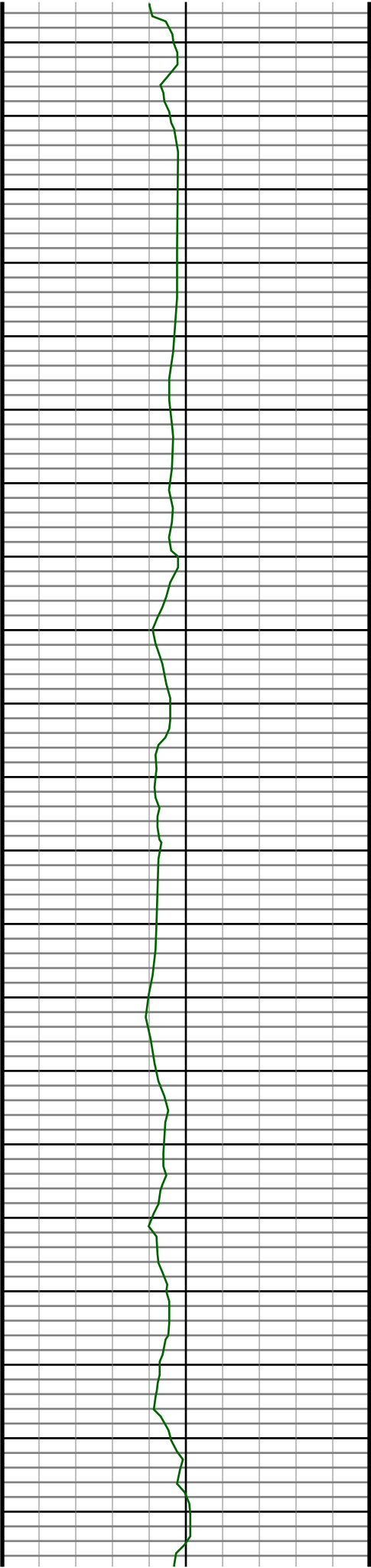


2950  
2960  
2970  
2980  
2990  
3000  
3010  
3020  
3030  
3040  
3050  
3060  
3070  
3080  
3090  
3100  
3110  
3120  
3130  
3140  
3150

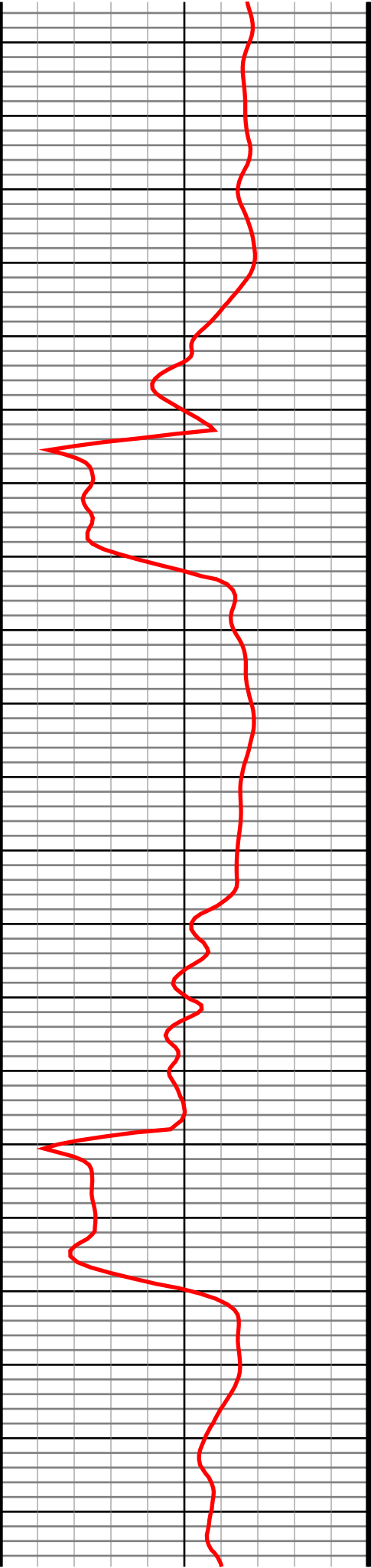


#31 MD(2974.00) Inc(12.0) Azm(160.2) TVD(2929.73)  
VS(-68.60) NS(-433.84) EW(129.93) TEMP(0.0)

#32 MD(3069.00) Inc(11.3) Azm(158.1) TVD(3022.77)  
VS(-72.87) NS(-451.77) EW(136.75) TEMP(0.0)



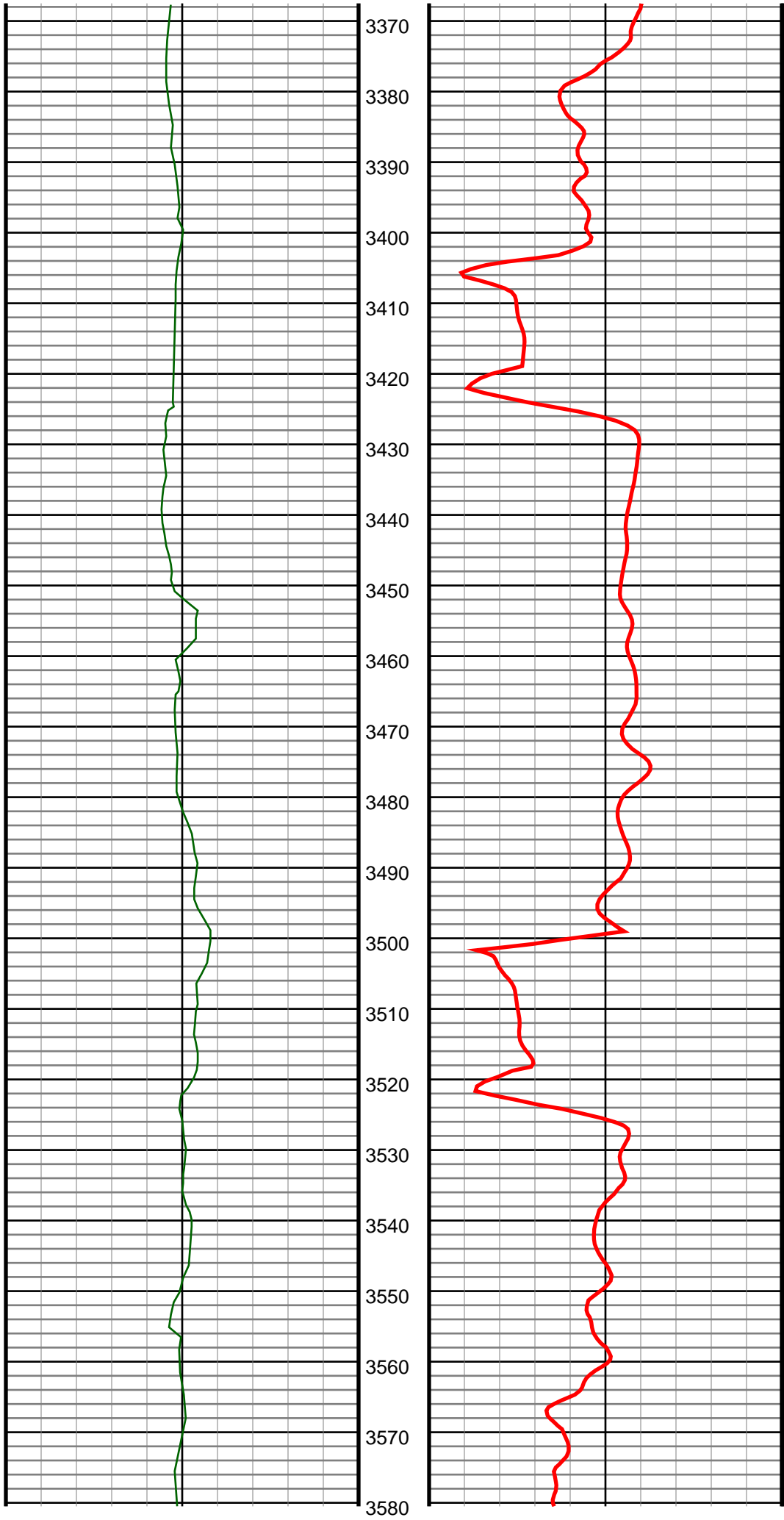
3160  
3170  
3180  
3190  
3200  
3210  
3220  
3230  
3240  
3250  
3260  
3270  
3280  
3290  
3300  
3310  
3320  
3330  
3340  
3350  
3360



#33 MD(3164.00) Inc(11.0) Azm(157.7) TVD(3115.98)  
VS(-77.35) NS(-468.79) EW(143.66) TEMP(0.0)

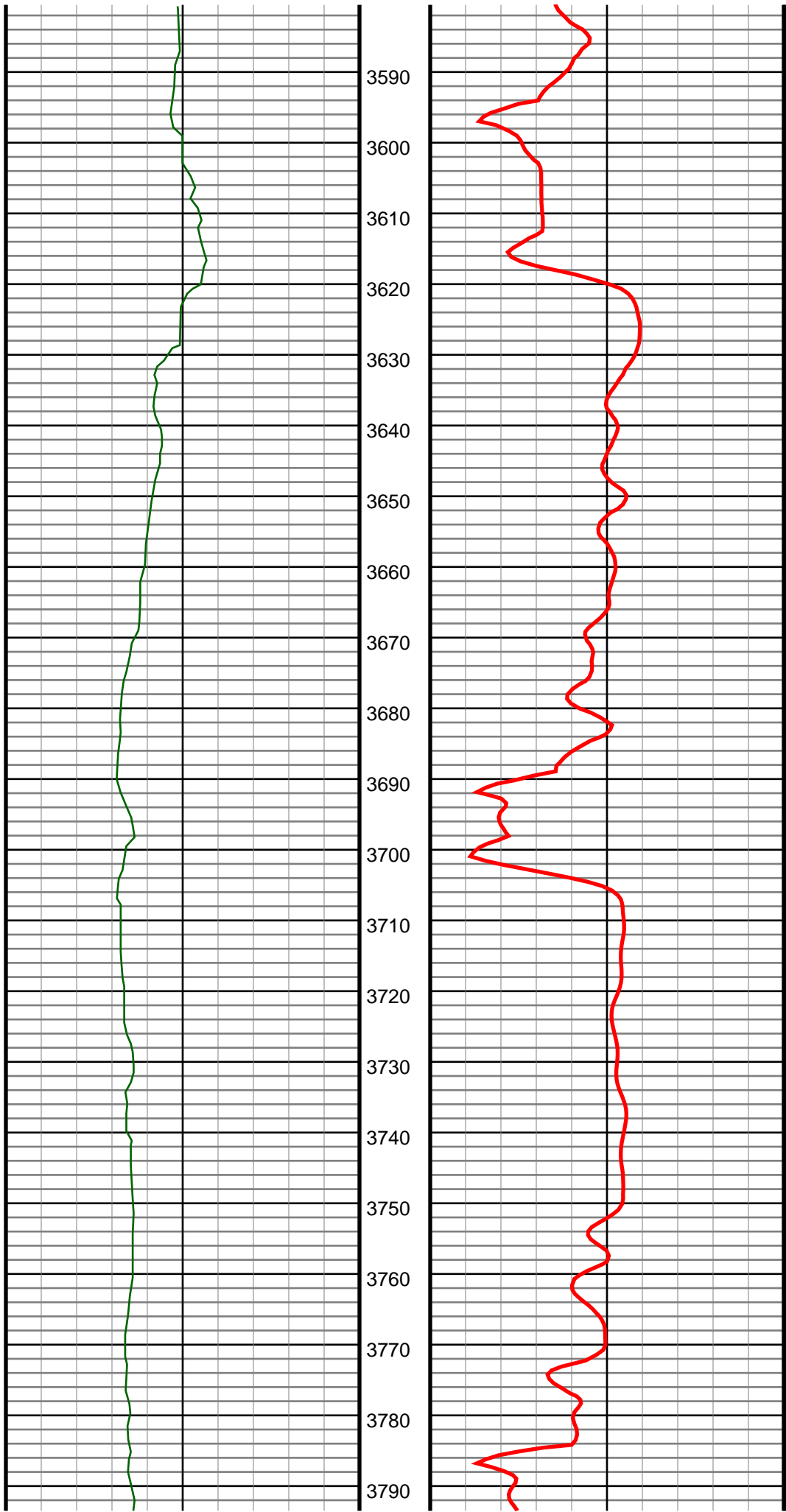
#34 MD(3260.00) Inc(9.8) Azm(153.1) TVD(3210.40)  
VS(-82.28) NS(-484.55) EW(150.83) TEMP(0.0)

#35 MD(3355.00) Inc(9.7) Azm(160.0) TVD(3304.03)  
VS(-86.57) NS(-499.28) EW(157.23) TEMP(0.0)



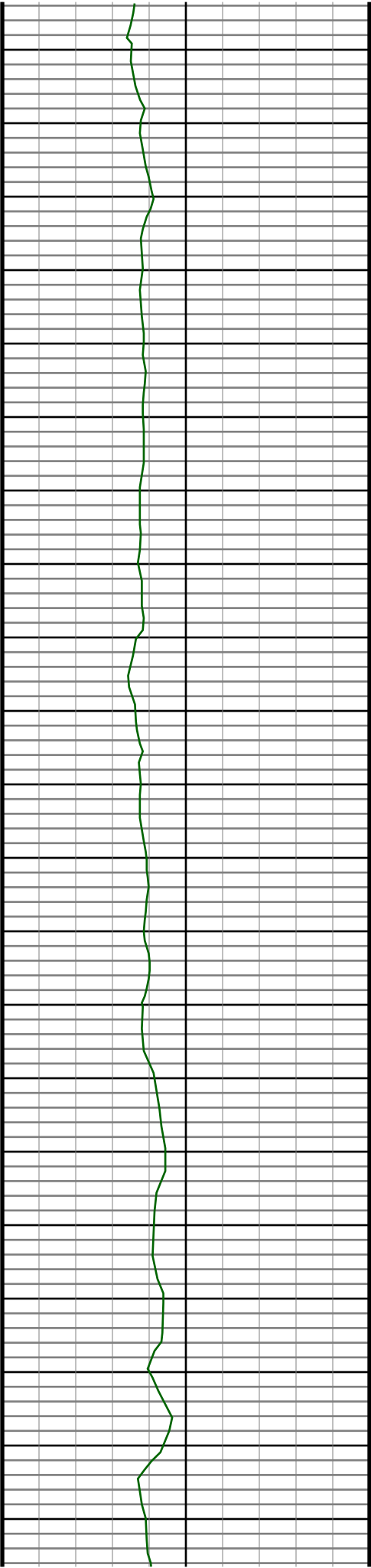
#36 MD(3450.00) Inc(10.3) Azm(165.4) TVD(3397.59)  
VS(-89.22) NS(-515.02) EW(162.10) TEMP(0.0)

#37 MD(3545.00) Inc(10.6) Azm(160.0) TVD(3491.02)  
VS(-92.03) NS(-531.45) EW(167.23) TEMP(0.0)

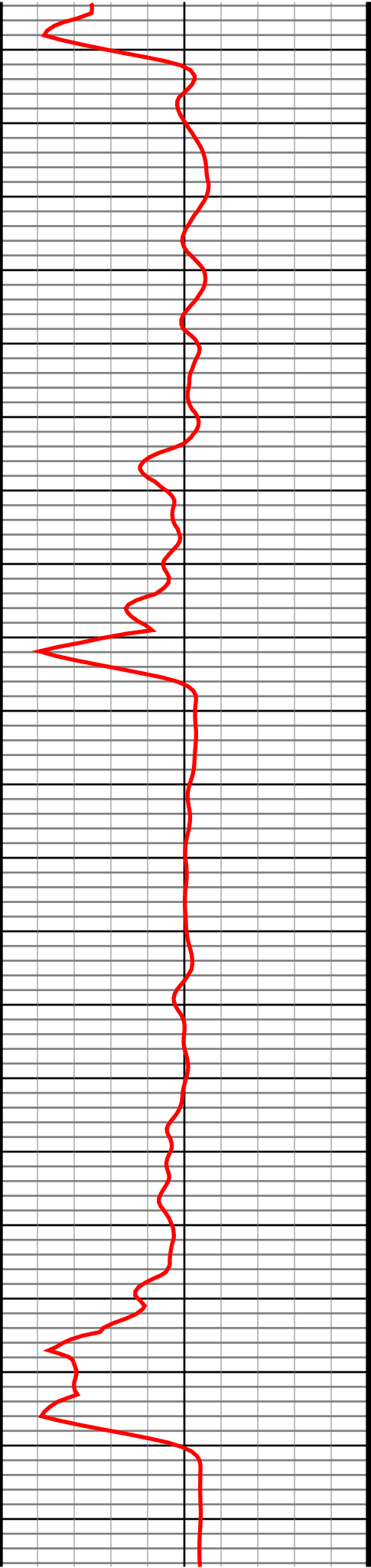


#38 MD(3640.00) Inc(11.5) Azm(159.3) TVD(3584.26)  
VS(-95.94) NS(-548.52) EW(173.57) TEMP(0.0)

#39 MD(3735.00) Inc(12.0) Azm(161.7) TVD(3677.27)  
VS(-99.80) NS(-566.76) EW(180.02) TEMP(0.0)



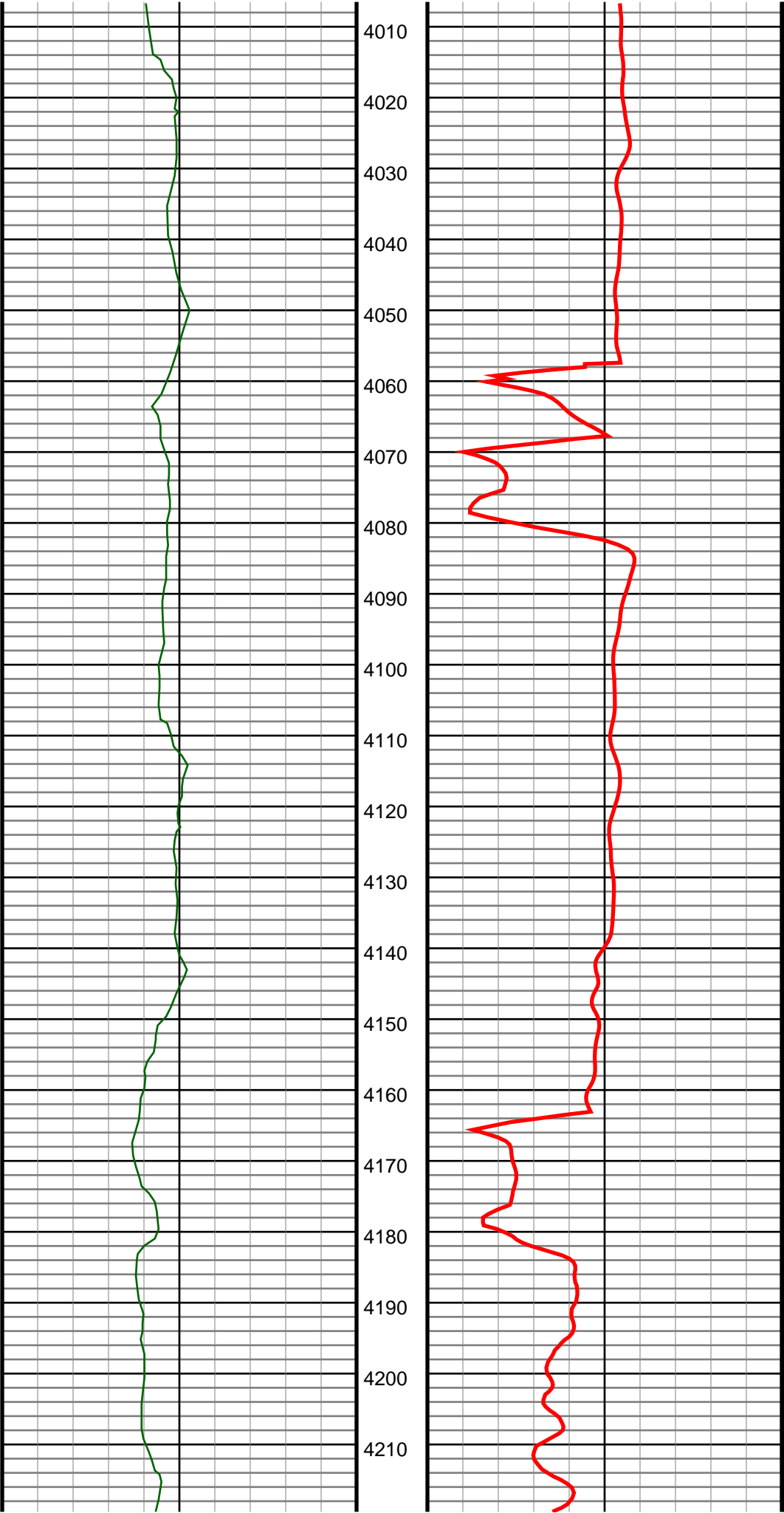
3800  
3810  
3820  
3830  
3840  
3850  
3860  
3870  
3880  
3890  
3900  
3910  
3920  
3930  
3940  
3950  
3960  
3970  
3980  
3990  
4000

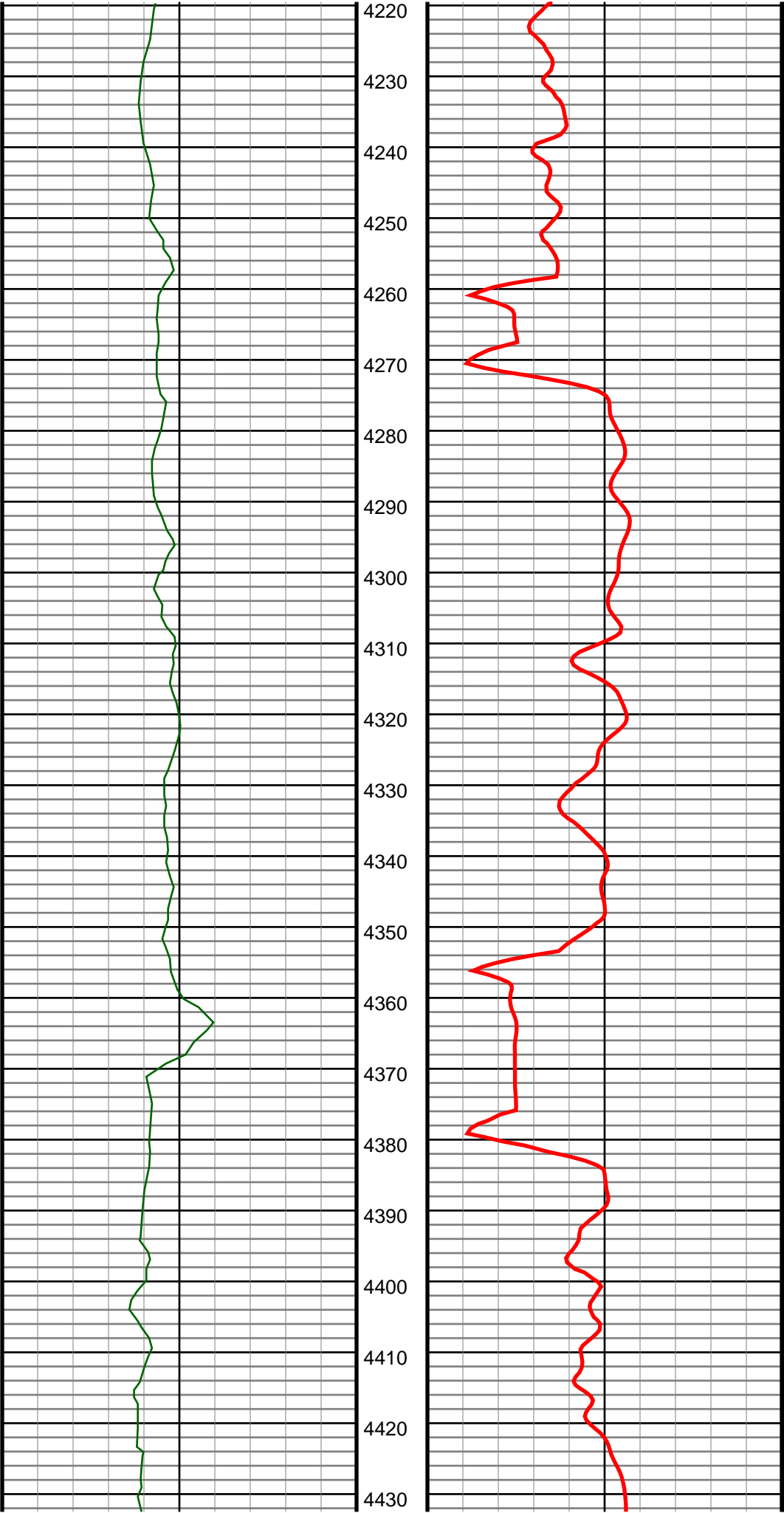


#40 MD(3831.00) Inc(13.0) Azm(164.9) TVD(3770.99)  
VS(-102.93) NS(-586.66) EW(185.96) TEMP(0.0)

#41 MD(3926.00) Inc(13.5) Azm(164.6) TVD(3863.46)  
VS(-105.70) NS(-607.67) EW(191.69) TEMP(0.0)

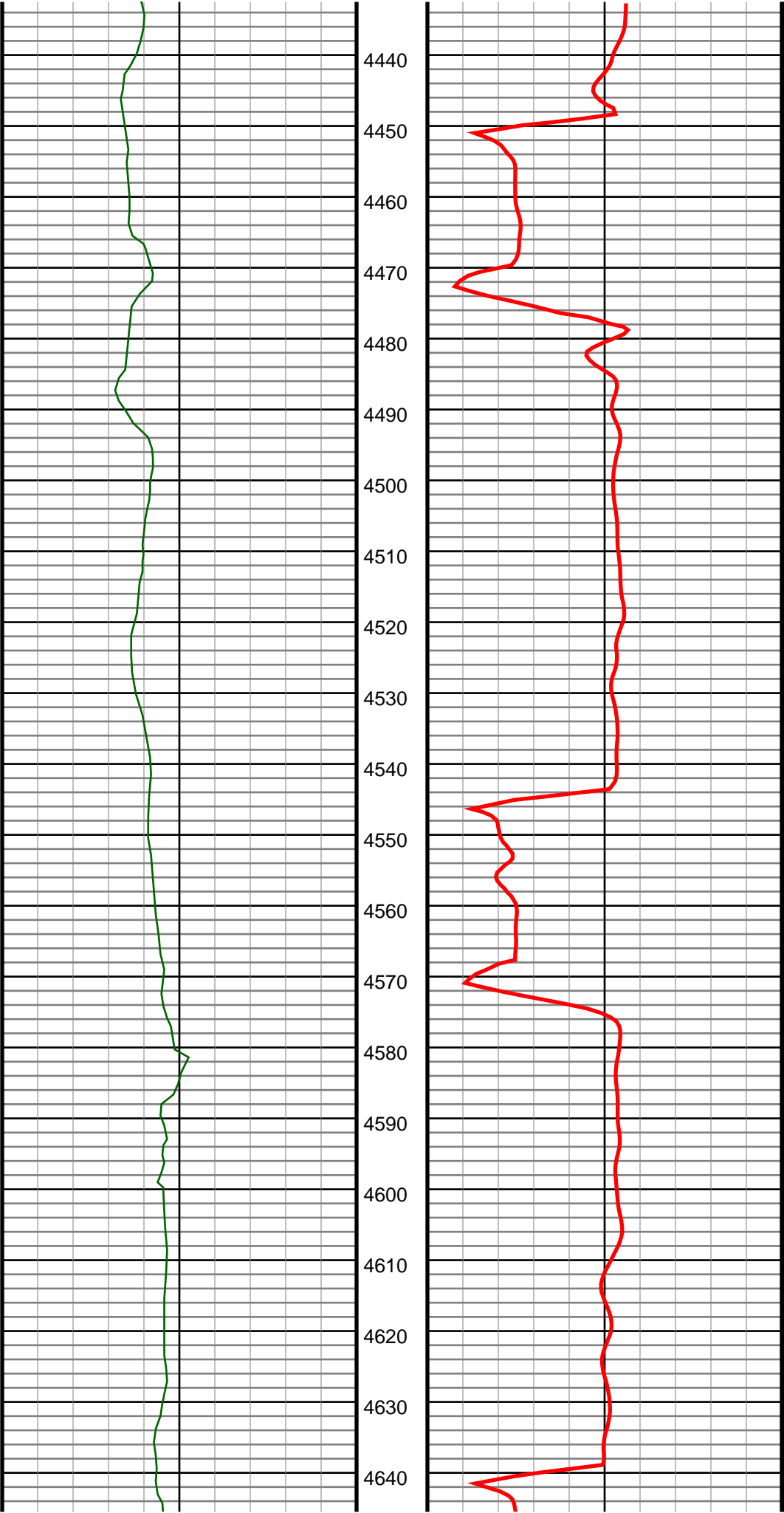






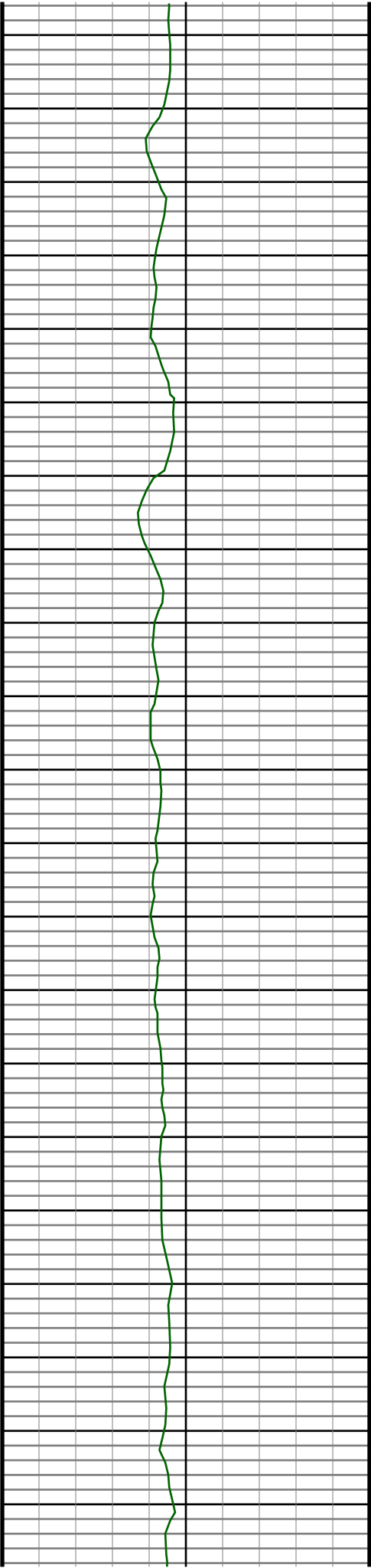
#45 MD(4307.00) Inc(10.8) Azm(158.8) TVD(4236.69)  
VS(-117.18) NS(-680.79) EW(213.51) TEMP(0.0)

#46 MD(4402.00) Inc(10.7) Azm(161.6) TVD(4330.03)  
VS(-120.81) NS(-697.46) EW(219.52) TEMP(0.0)

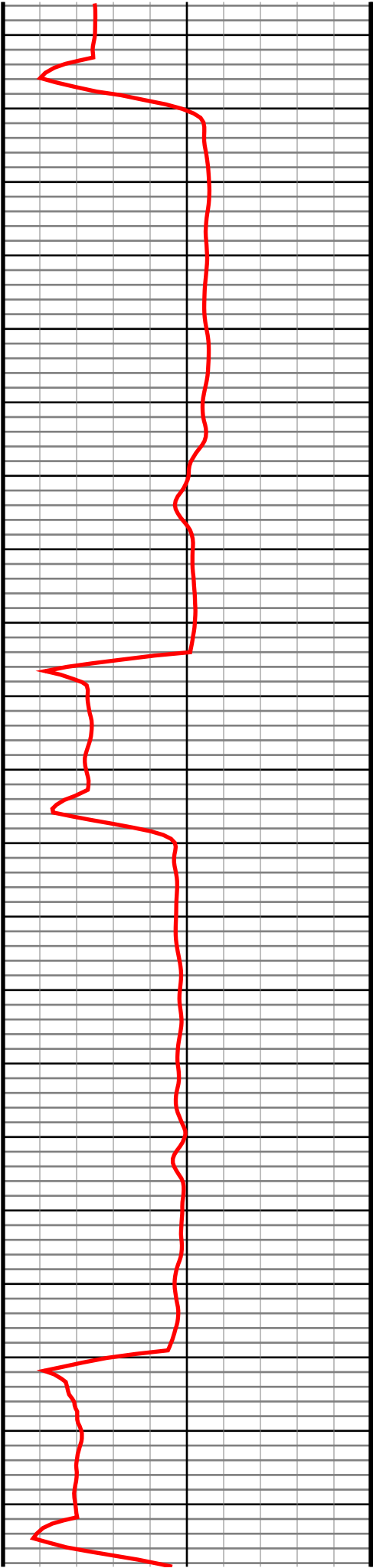


#47 MD(4497.00) Inc(10.1) Azm(169.7) TVD(4423.47)  
VS(-122.75) NS(-714.03) EW(223.79) TEMP(0.0)

#48 MD(4592.00) Inc(12.0) Azm(171.4) TVD(4516.70)  
VS(-123.20) NS(-731.99) EW(226.76) TEMP(0.0)

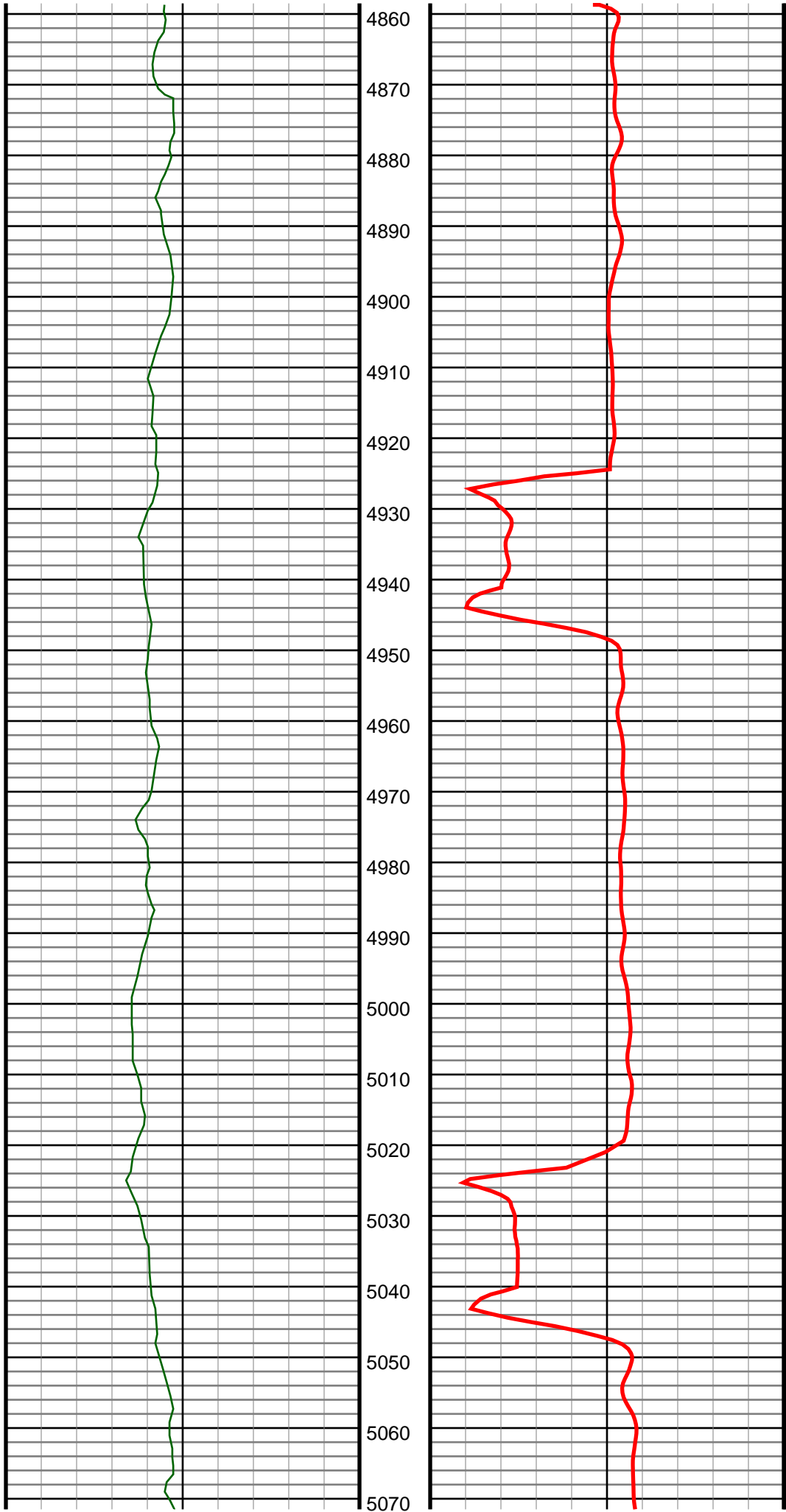


4650  
4660  
4670  
4680  
4690  
4700  
4710  
4720  
4730  
4740  
4750  
4760  
4770  
4780  
4790  
4800  
4810  
4820  
4830  
4840  
4850



#49 MD(4687.00) Inc(11.3) Azm(155.2) TVD(4609.77)  
VS(-126.01) NS(-750.21) EW(232.14) TEMP(0.0)

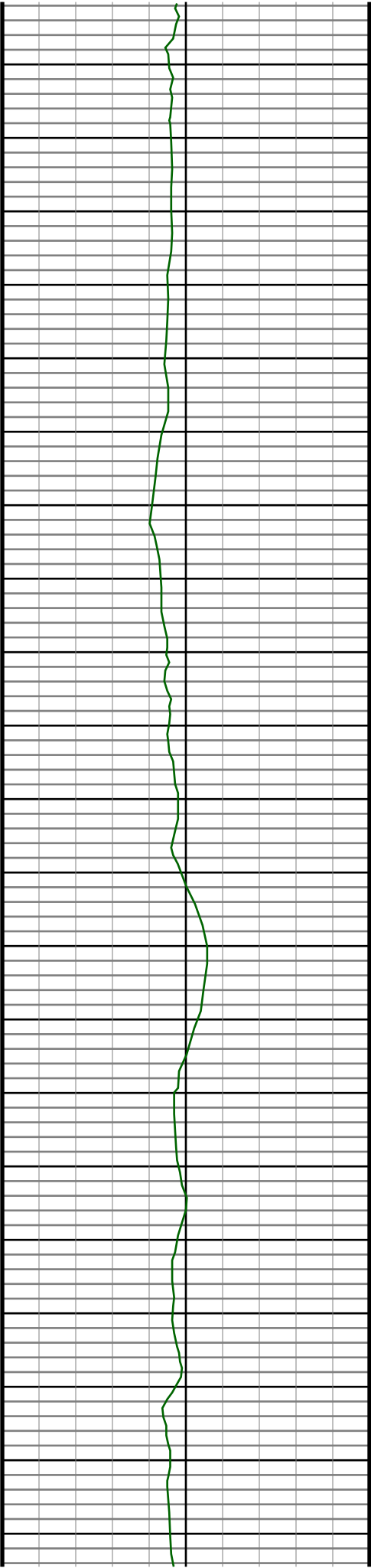
#50 MD(4782.00) Inc(10.8) Azm(154.9) TVD(4703.01)  
VS(-131.33) NS(-766.72) EW(239.82) TEMP(0.0)



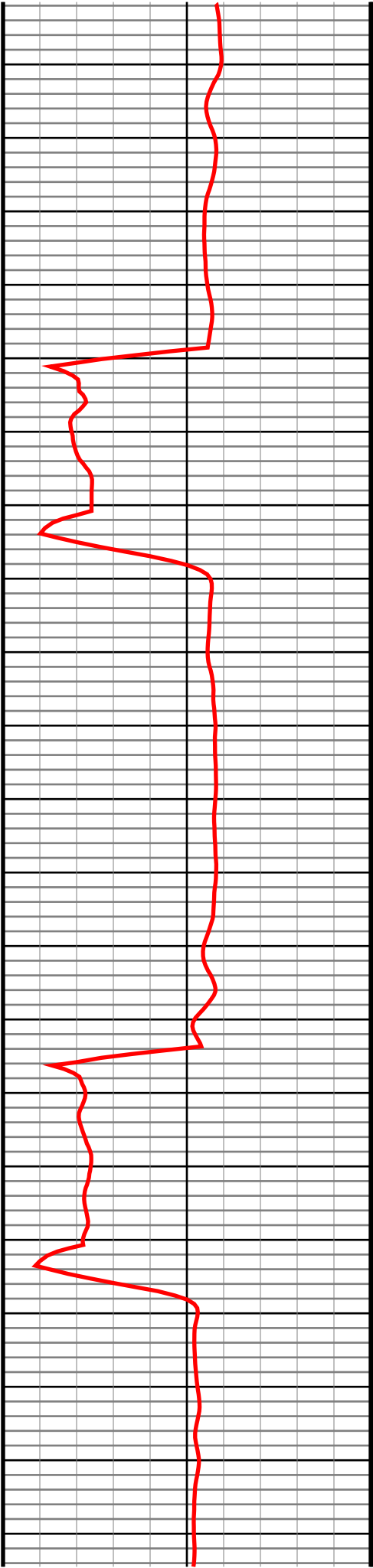
#51 MD(4878.00) Inc(10.8) Azm(163.9) TVD(4797.32)  
VS(-135.26) NS(-783.50) EW(246.13) TEMP(0.0)

#52 MD(4973.00) Inc(11.3) Azm(167.2) TVD(4890.56)  
VS(-137.30) NS(-801.13) EW(250.66) TEMP(0.0)

#53 MD(5068.00) Inc(11.3) Azm(170.4) TVD(4983.71)  
VS(-138.35) NS(-819.39) EW(254.27) TEMP(0.0)

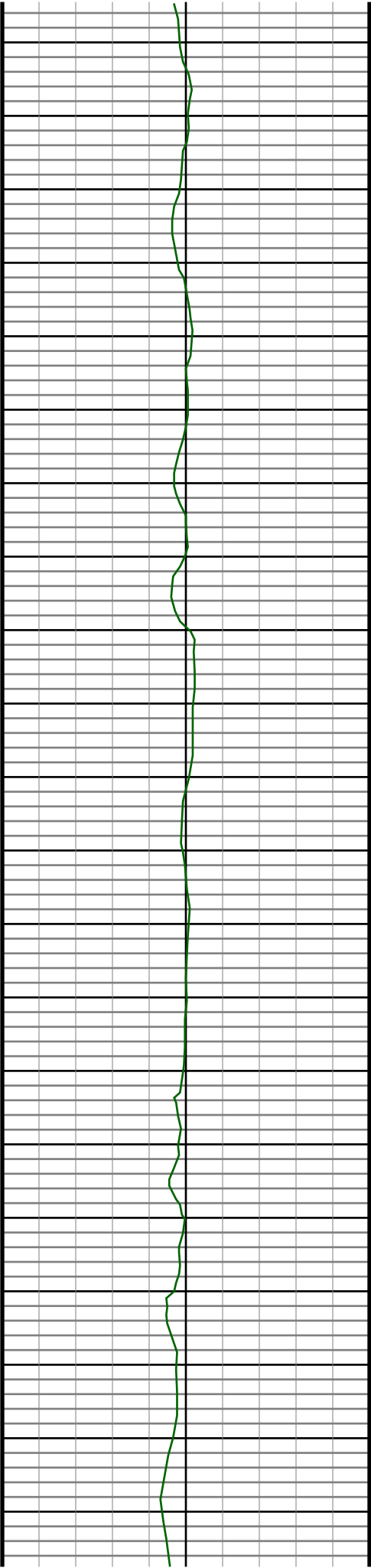


5080  
5090  
5100  
5110  
5120  
5130  
5140  
5150  
5160  
5170  
5180  
5190  
5200  
5210  
5220  
5230  
5240  
5250  
5260  
5270  
5280

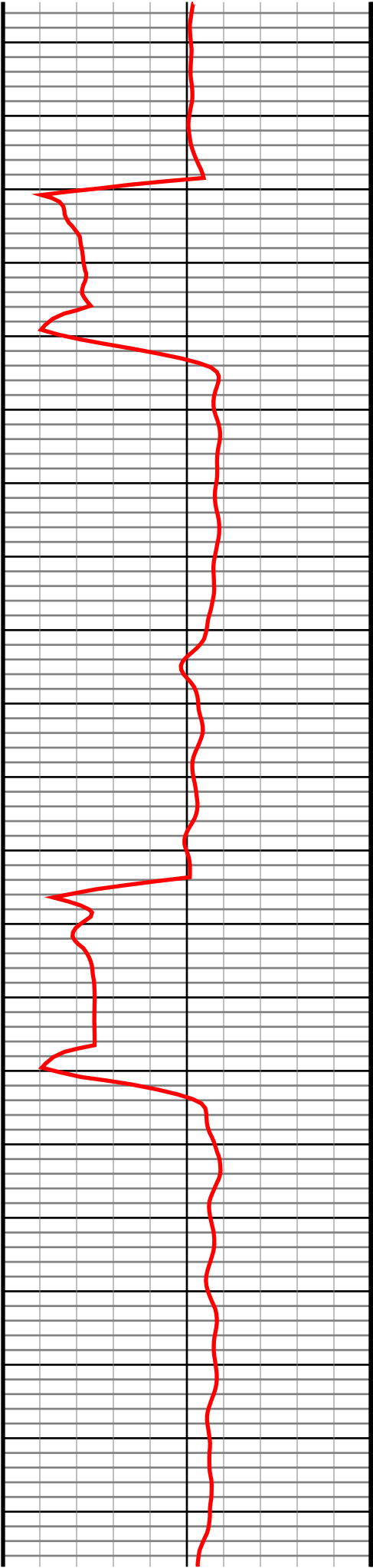


#54 MD(5163.00) Inc(9.6) Azm(165.3) TVD(5077.14)  
VS(-139.55) NS(-836.23) EW(257.83) TEMP(0.0)

#55 MD(5258.00) Inc(10.6) Azm(168.8) TVD(5170.67)  
VS(-140.97) NS(-852.46) EW(261.54) TEMP(0.0)

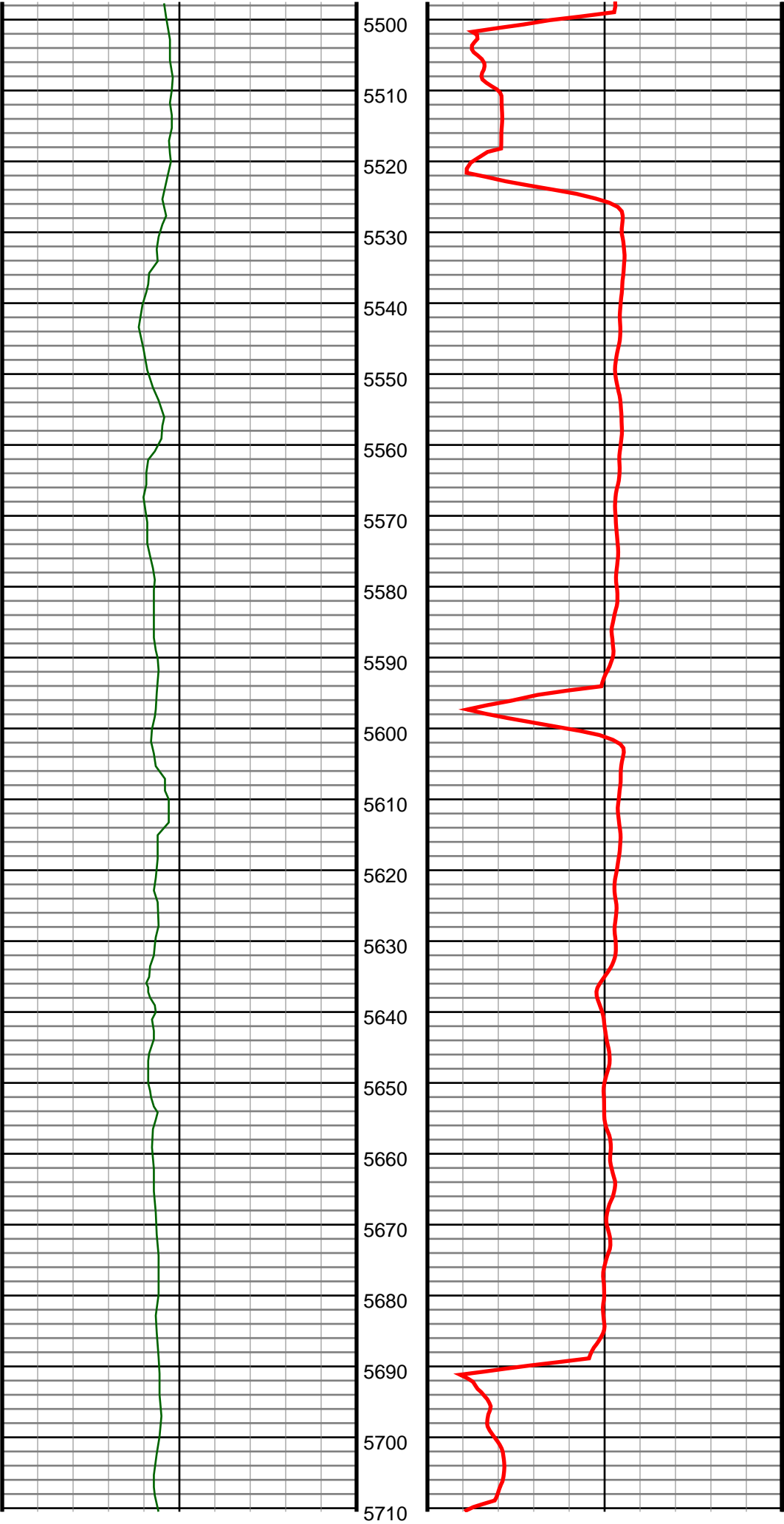


5290  
5300  
5310  
5320  
5330  
5340  
5350  
5360  
5370  
5380  
5390  
5400  
5410  
5420  
5430  
5440  
5450  
5460  
5470  
5480  
5490



#56 MD(5353.00) Inc(10.9) Azm(167.0) TVD(5264.00)  
VS(-142.26) NS(-869.78) EW(265.26) TEMP(0.0)

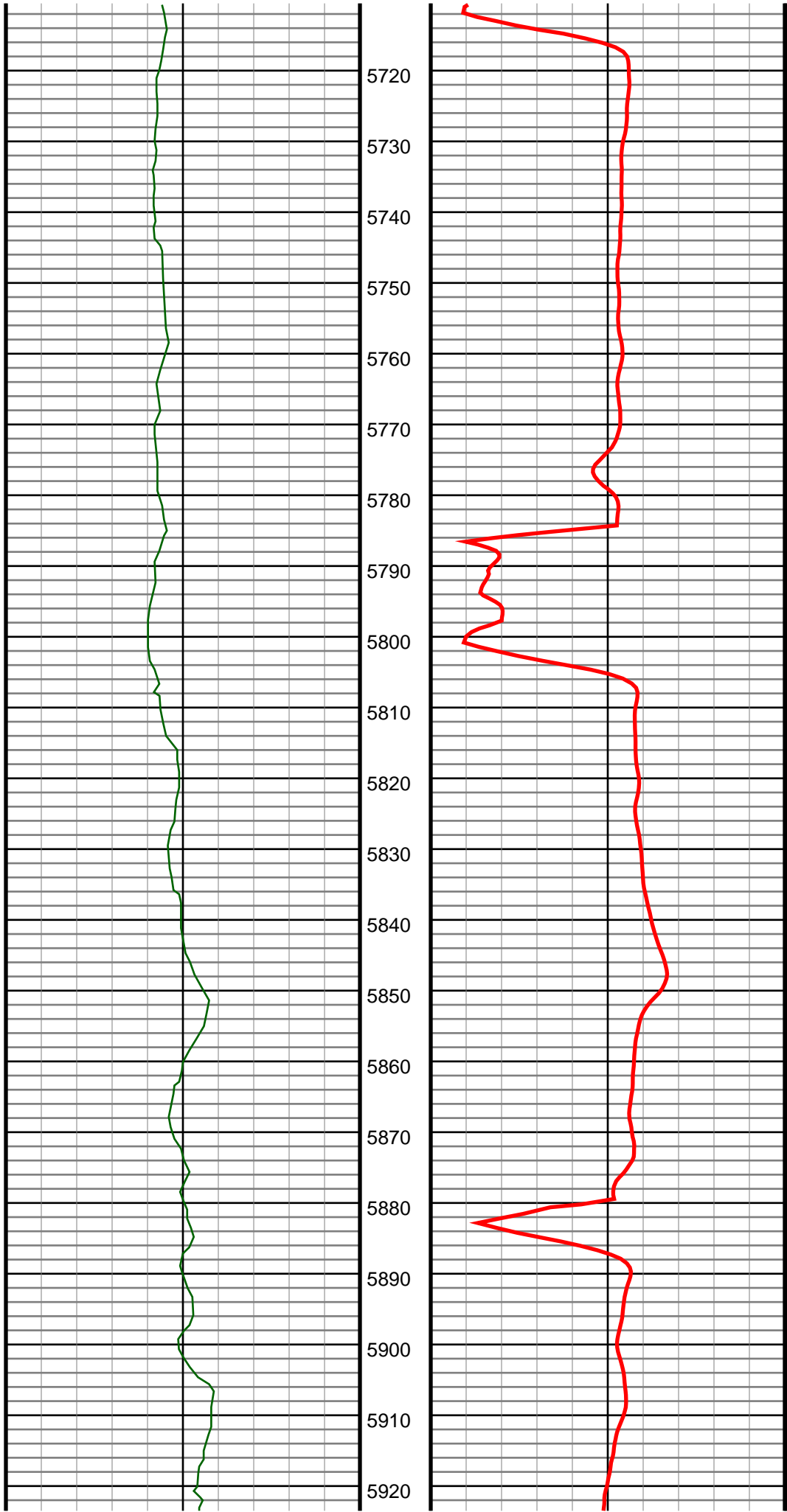
#57 MD(5448.00) Inc(9.0) Azm(163.0) TVD(5357.57)  
VS(-144.21) NS(-885.64) EW(269.45) TEMP(0.0)



#58 MD(5543.00) Inc(7.3) Azm(166.0) TVD(5451.60)  
VS(-146.01) NS(-898.61) EW(273.09) TEMP(0.0)

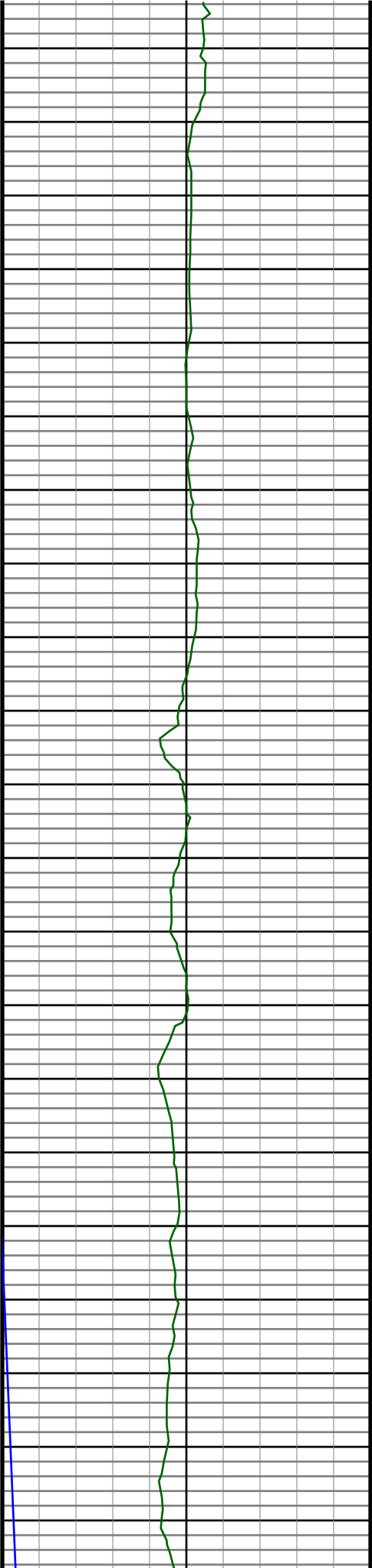
#59 MD(5638.00) Inc(5.5) Azm(158.2) TVD(5546.01)  
VS(-147.74) NS(-908.69) EW(276.24) TEMP(0.0)



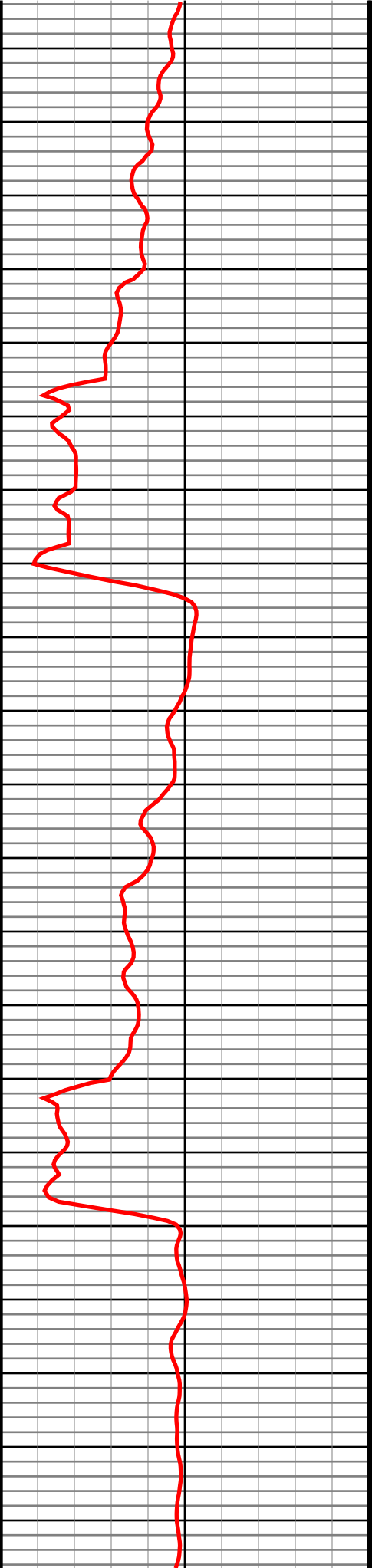


#60 MD(5733.00) Inc(5.6) Azm(159.3) TVD(5640.56)  
VS(-149.85) NS(-917.25) EW(279.57) TEMP(0.0)

#61 MD(5829.00) Inc(5.0) Azm(158.1) TVD(5736.15)  
VS(-151.89) NS(-925.52) EW(282.78) TEMP(0.0)



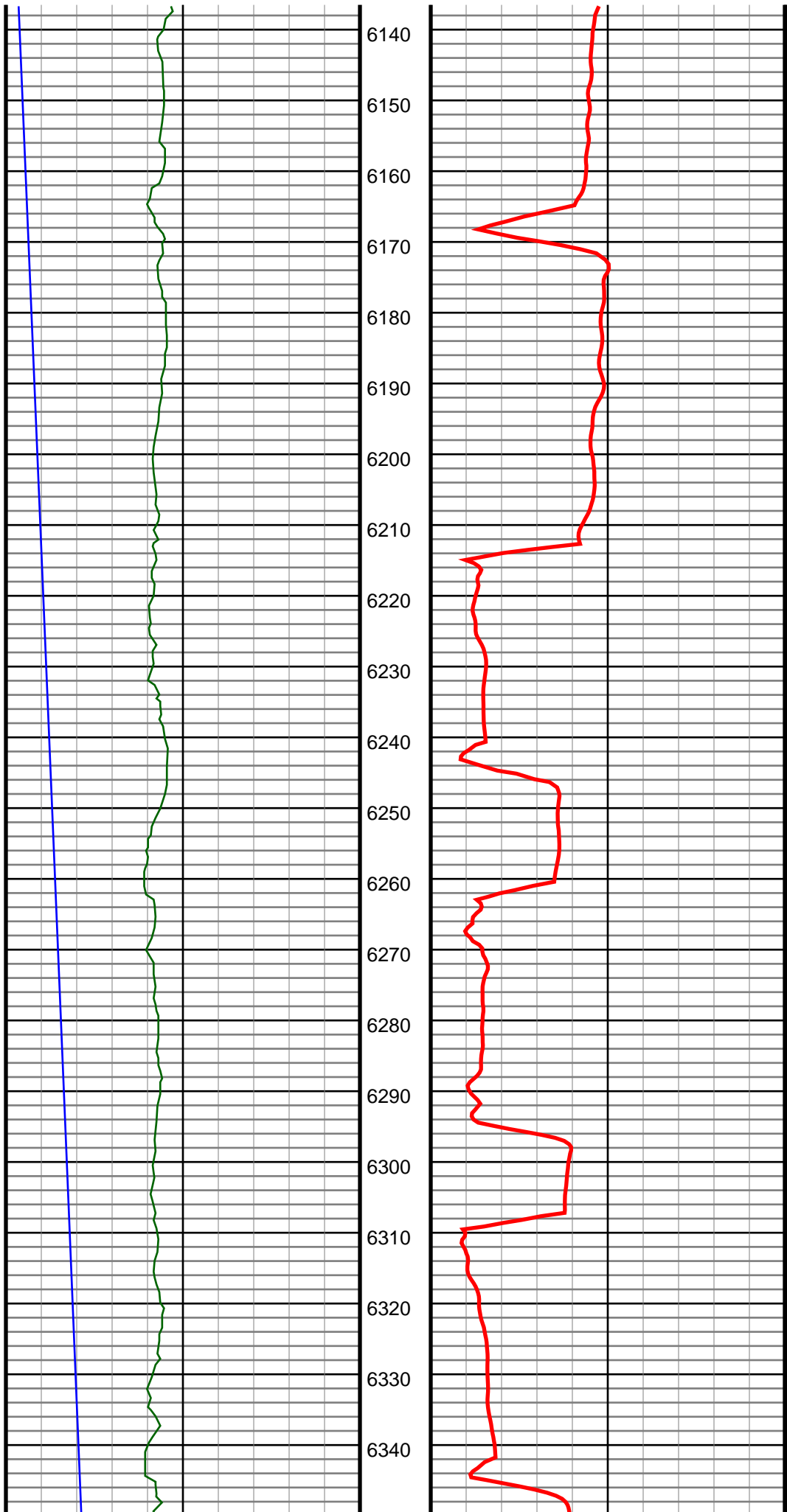
5930  
5940  
5950  
5960  
5970  
5980  
5990  
6000  
6010  
6020  
6030  
6040  
6050  
6060  
6070  
6080  
6090  
6100  
6110  
6120  
6130



#62 MD(5924.00) Inc(3.9) Azm(146.1) TVD(5830.87)  
VS(-154.30) NS(-932.04) EW(286.13) TEMP(0.0)

#63 MD(6019.00) Inc(3.1) Azm(129.4) TVD(5925.69)  
VS(-157.46) NS(-936.35) EW(289.92) TEMP(0.0)

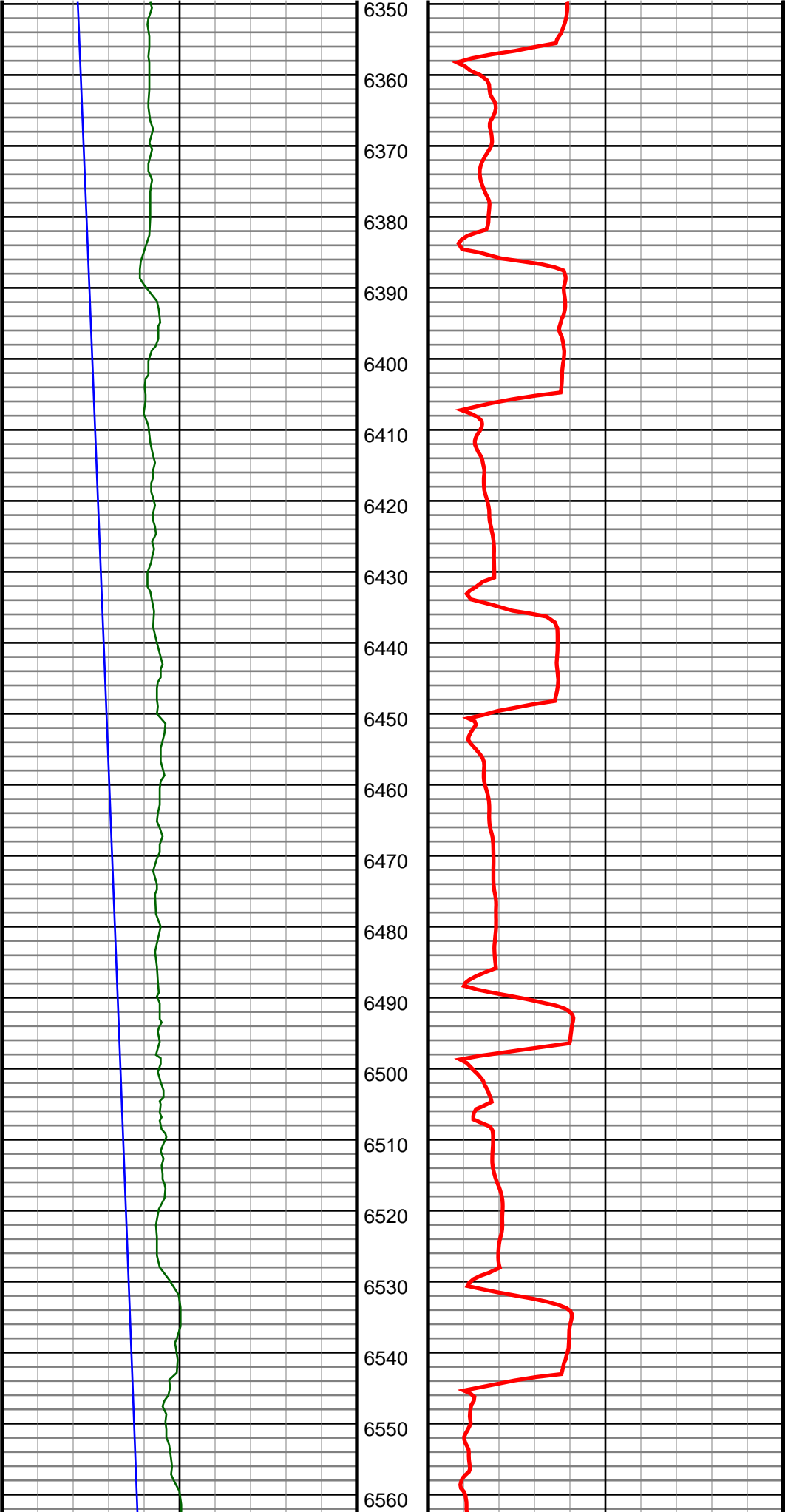
#64 MD(6114.00) Inc(0.5) Azm(93.2) TVD(6020.64)  
VS(-159.60) NS(-938.01) EW(292.32) TEMP(0.0)



#65 MD(6209.00) Inc(0.2) Azm(268.8) TVD(6115.64)  
VS(-159.84) NS(-938.03) EW(292.56) TEMP(0.0)

#66 MD(6257.00) Inc(3.3) Azm(274.8) TVD(6163.61)  
VS(-158.41) NS(-937.92) EW(291.10) TEMP(0.0)

#67 MD(6304.00) Inc(6.9) Azm(272.1) TVD(6210.42)  
VS(-154.31) NS(-937.70) EW(286.93) TEMP(0.0)



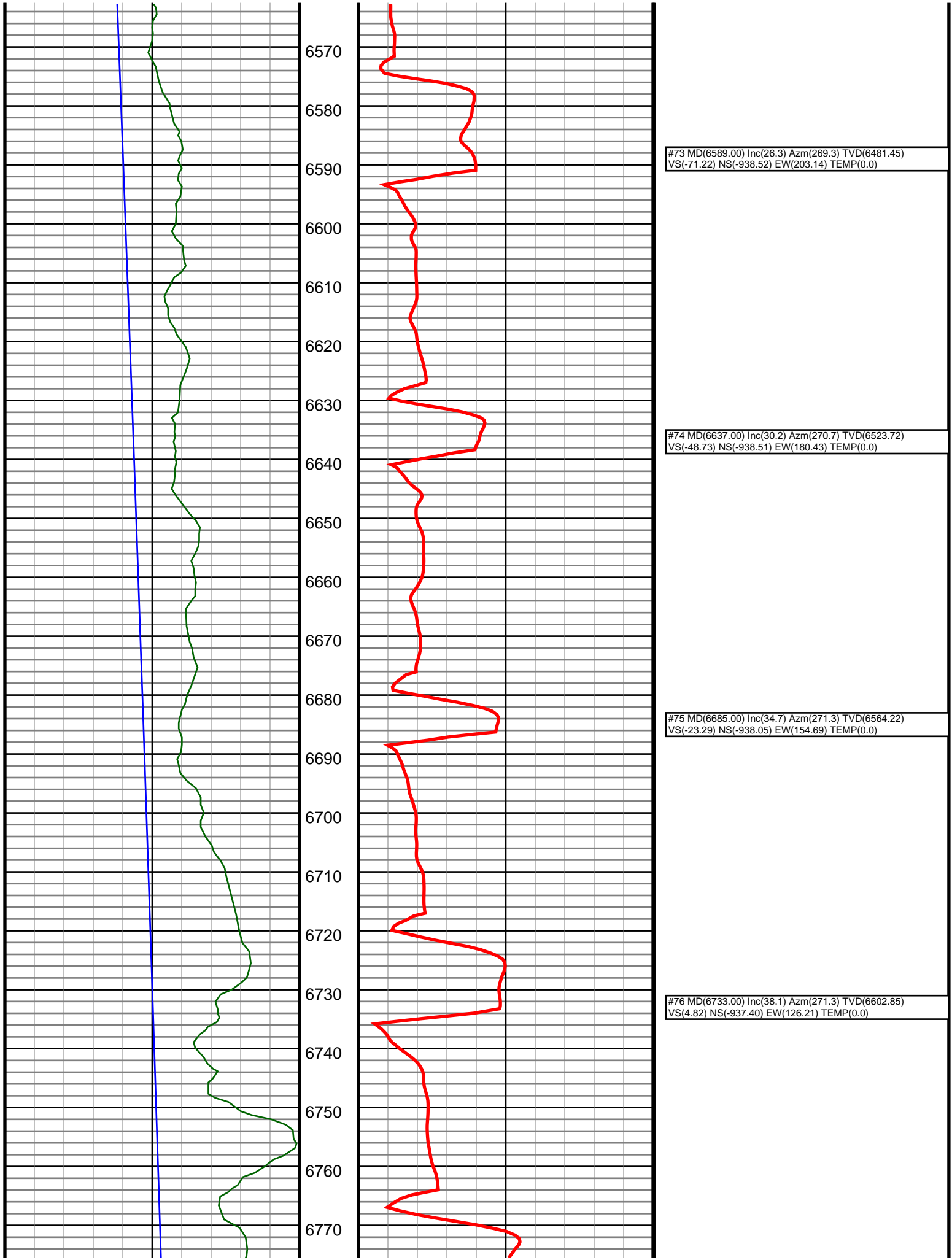
#68 MD(6352.00) Inc(11.5) Azm(271.8) TVD(6257.79)  
VS(-146.75) NS(-937.45) EW(279.26) TEMP(0.0)

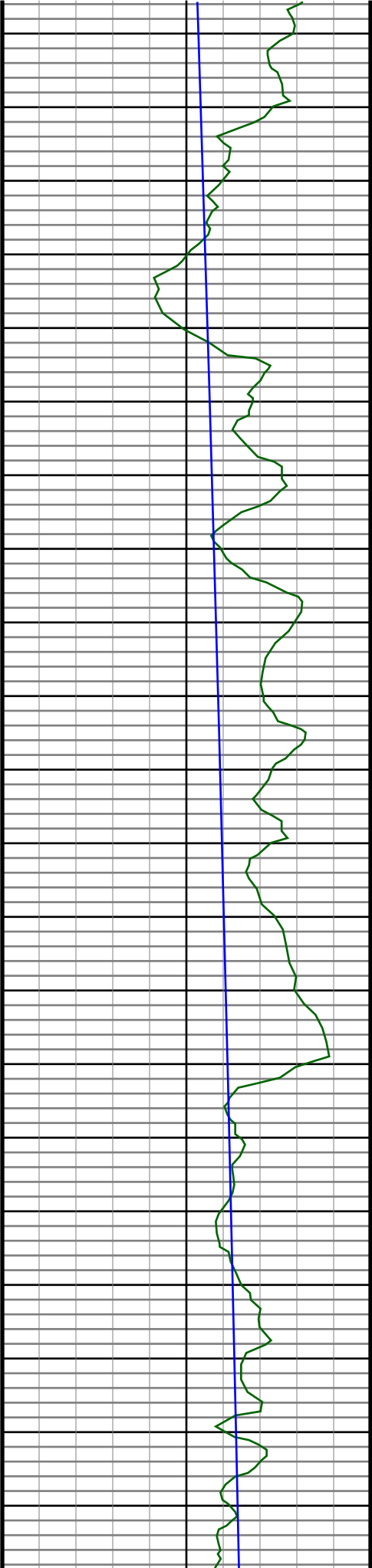
#69 MD(6399.00) Inc(13.9) Azm(270.6) TVD(6303.63)  
VS(-136.55) NS(-937.24) EW(268.93) TEMP(0.0)

#70 MD(6447.00) Inc(16.7) Azm(268.4) TVD(6349.93)  
VS(-123.99) NS(-937.37) EW(256.27) TEMP(0.0)

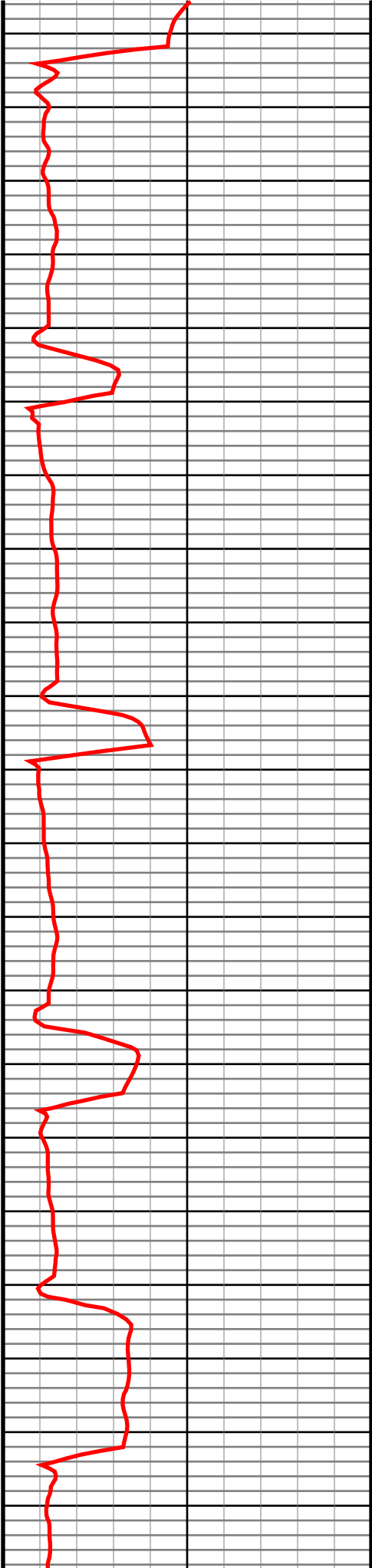
#71 MD(6494.00) Inc(21.1) Azm(268.3) TVD(6394.38)  
VS(-108.87) NS(-937.81) EW(241.06) TEMP(0.0)

#72 MD(6542.00) Inc(23.4) Azm(269.0) TVD(6438.80)  
VS(-90.81) NS(-938.23) EW(222.89) TEMP(0.0)





6780  
6790  
6800  
6810  
6820  
6830  
6840  
6850  
6860  
6870  
6880  
6890  
6900  
6910  
6920  
6930  
6940  
6950  
6960  
6970  
6980



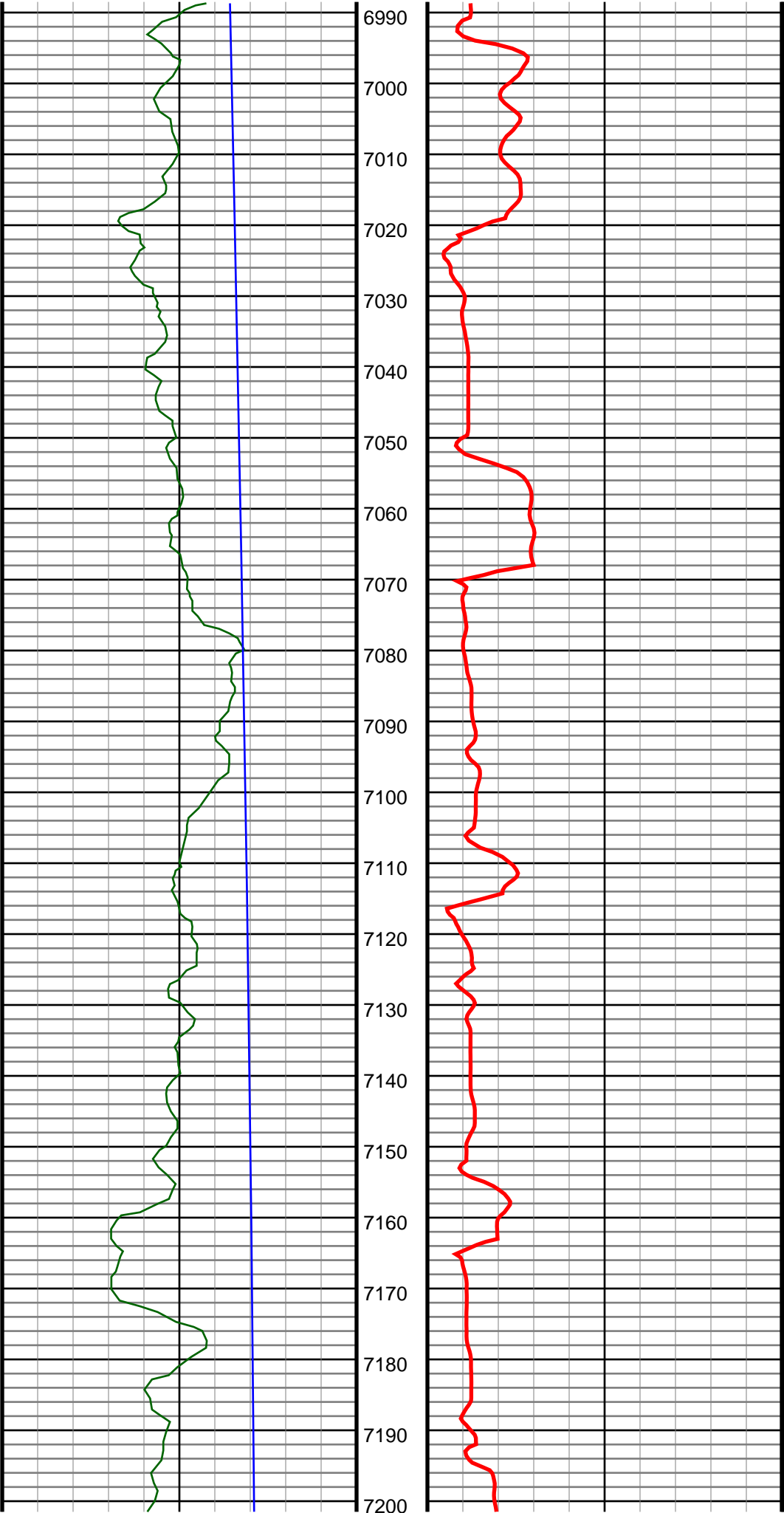
#77 MD(6780.00) Inc(40.4) Azm(270.7) TVD(6639.24)  
VS(34.19) NS(-936.89) EW(96.48) TEMP(0.0)

#78 MD(6828.00) Inc(44.4) Azm(267.9) TVD(6674.68)  
VS(66.29) NS(-937.31) EW(64.13) TEMP(0.0)

#79 MD(6875.00) Inc(49.6) Azm(267.2) TVD(6706.73)  
VS(100.49) NS(-938.79) EW(29.80) TEMP(0.0)

#80 MD(6923.00) Inc(55.1) Azm(267.4) TVD(6736.04)  
VS(138.32) NS(-940.58) EW(-8.15) TEMP(0.0)

#81 MD(6971.00) Inc(58.4) Azm(267.7) TVD(6762.35)  
VS(178.27) NS(-942.29) EW(-48.24) TEMP(0.0)

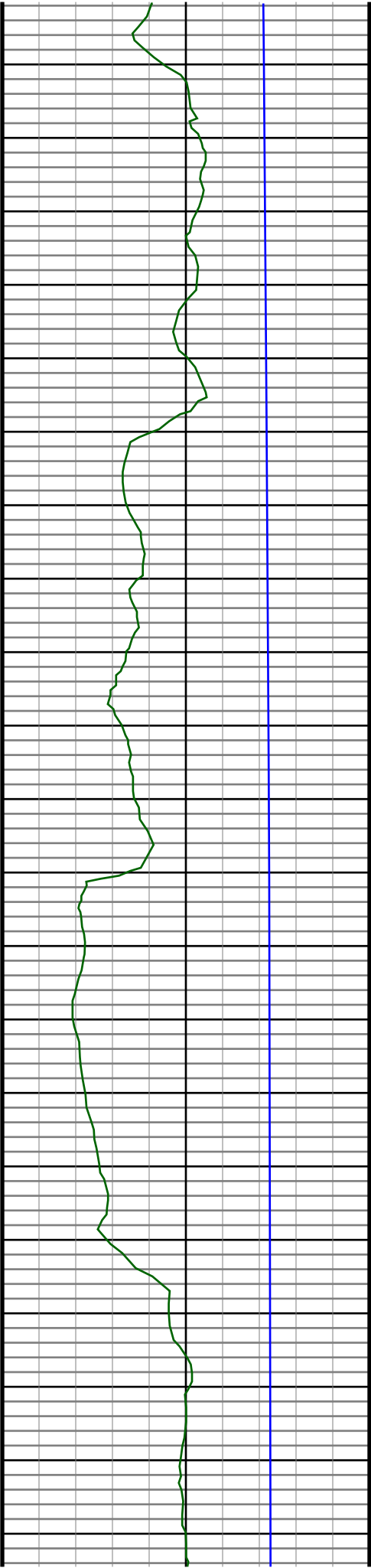


#82 MD(7019.00) Inc(59.8) Azm(267.7) TVD(6787.00)  
VS(219.26) NS(-943.95) EW(-89.40) TEMP(0.0)

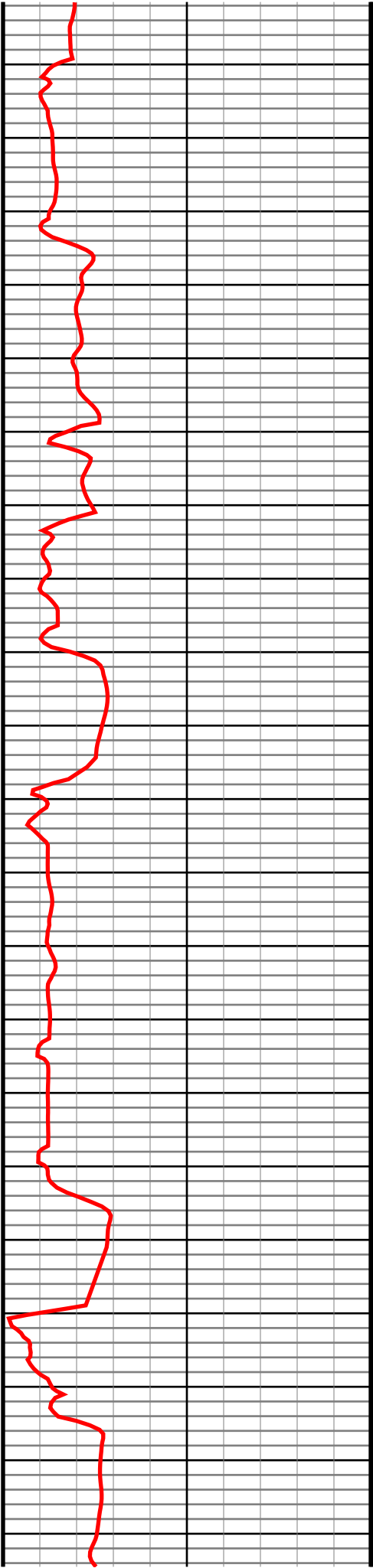
#83 MD(7066.00) Inc(63.3) Azm(267.0) TVD(6809.39)  
VS(260.40) NS(-945.86) EW(-130.67) TEMP(0.0)

#84 MD(7114.00) Inc(68.8) Azm(268.4) TVD(6828.87)  
VS(304.03) NS(-947.61) EW(-174.48) TEMP(0.0)

#85 MD(7161.00) Inc(74.4) Azm(269.7) TVD(6843.70)  
VS(348.27) NS(-948.34) EW(-219.06) TEMP(0.0)



7210  
7220  
7230  
7240  
7250  
7260  
7270  
7280  
7290  
7300  
7310  
7320  
7330  
7340  
7350  
7360  
7370  
7380  
7390  
7400  
7410



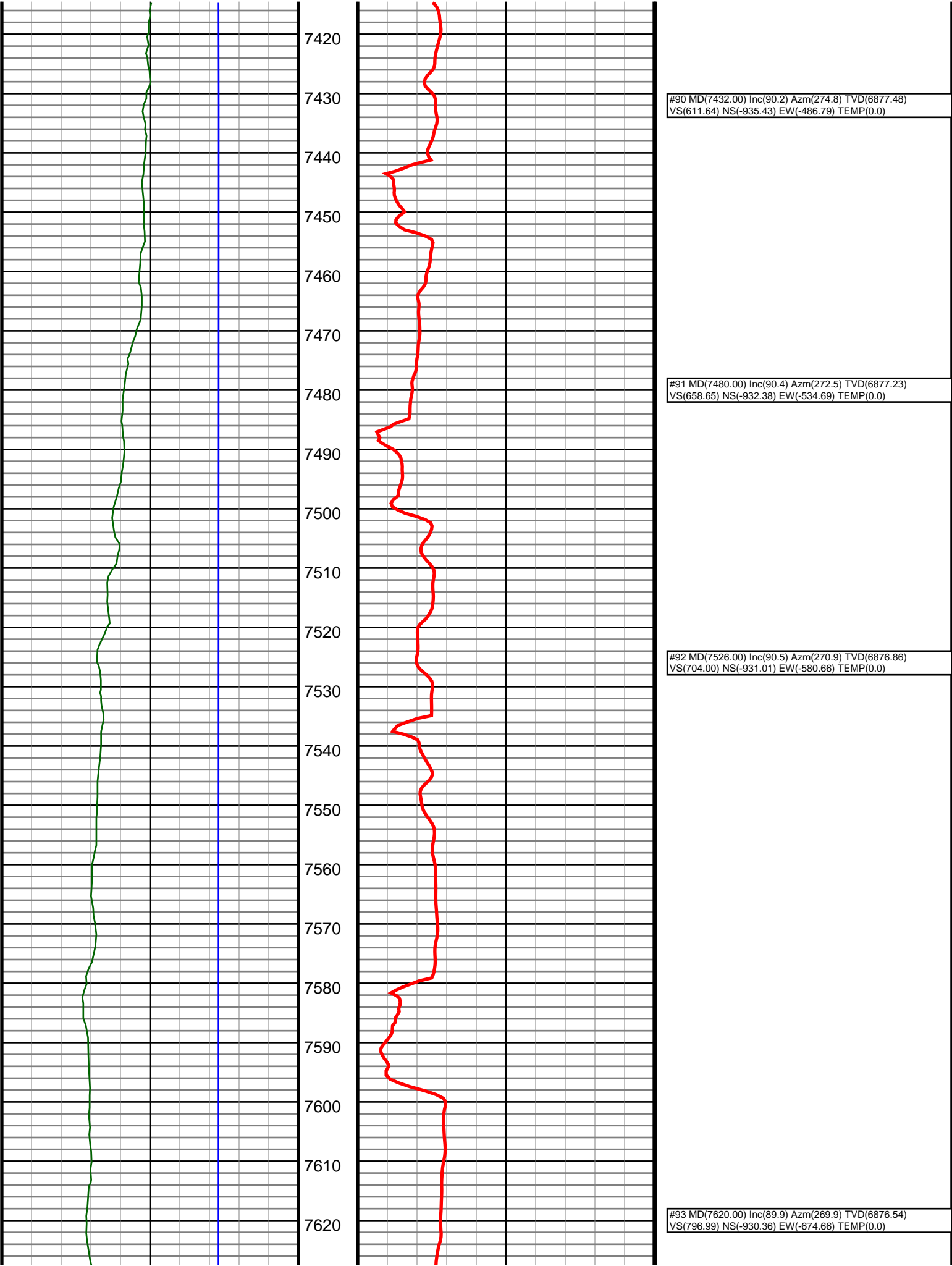
#86 MD(7209.00) Inc(78.8) Azm(271.6) TVD(6854.82)  
VS(394.43) NS(-947.80) EW(-265.73) TEMP(0.0)

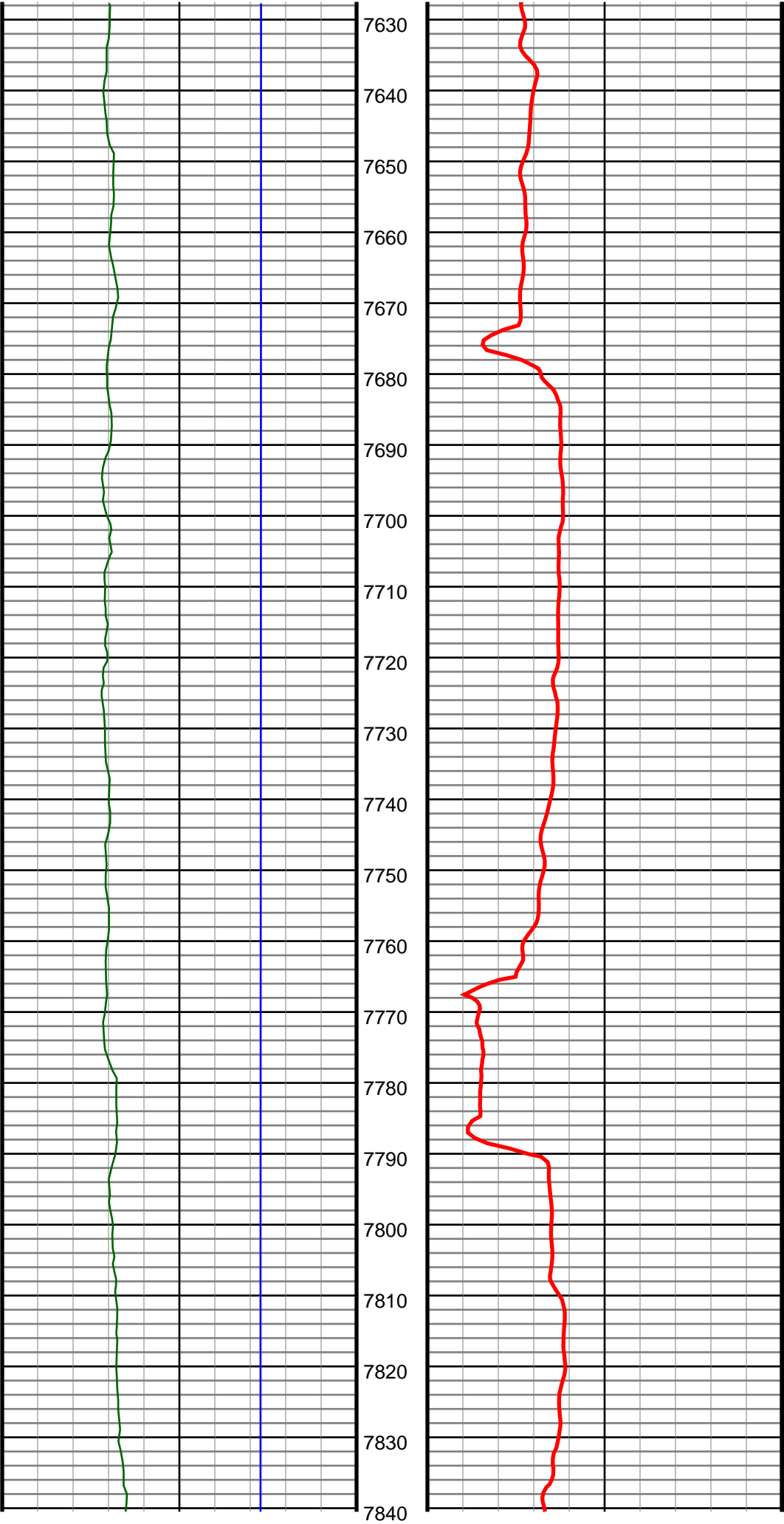
#87 MD(7257.00) Inc(80.5) Azm(272.8) TVD(6863.44)  
VS(440.90) NS(-945.99) EW(-312.91) TEMP(0.0)

#88 MD(7305.00) Inc(82.5) Azm(273.2) TVD(6870.54)  
VS(487.51) NS(-943.50) EW(-360.32) TEMP(0.0)

#89 MD(7321.00) Inc(84.5) Azm(272.7) TVD(6872.35)  
VS(503.12) NS(-942.69) EW(-376.20) TEMP(0.0)

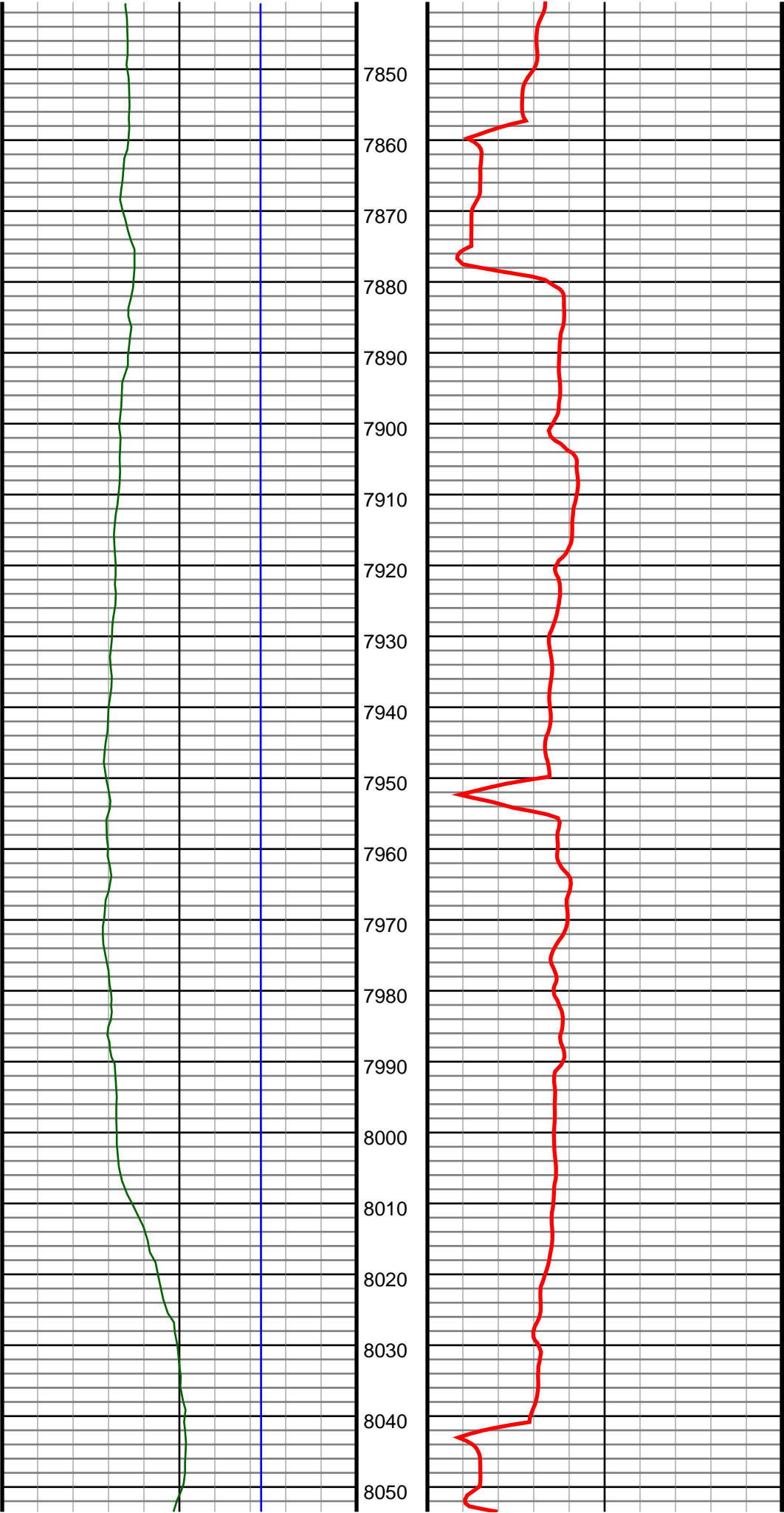






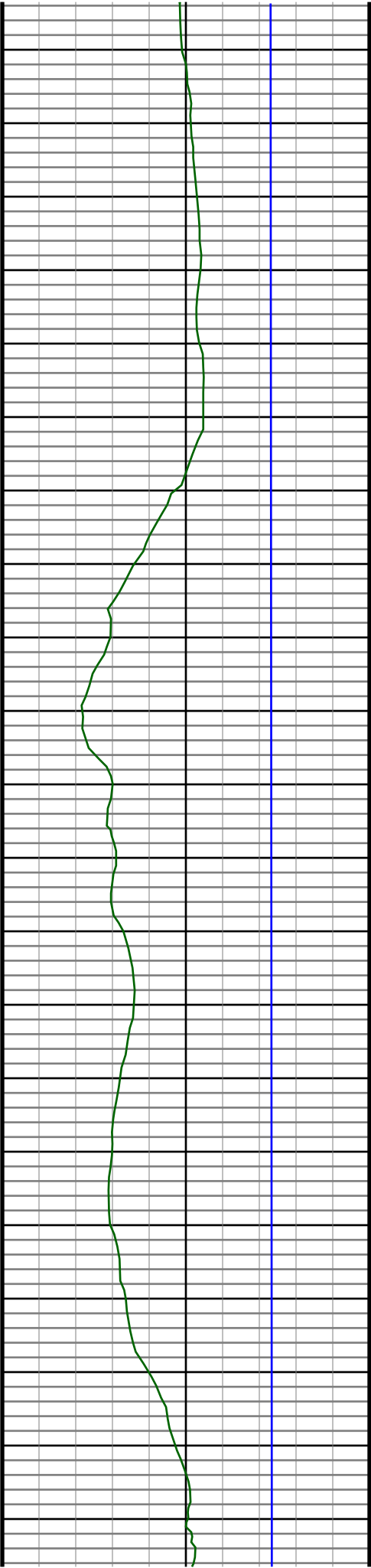
#94 MD(7712.00) Inc(90.8) Azm(271.3) TVD(6875.97)  
VS(887.97) NS(-929.39) EW(-766.65) TEMP(0.0)

#95 MD(7803.00) Inc(90.7) Azm(268.4) TVD(6874.78)  
VS(978.10) NS(-929.63) EW(-857.63) TEMP(0.0)

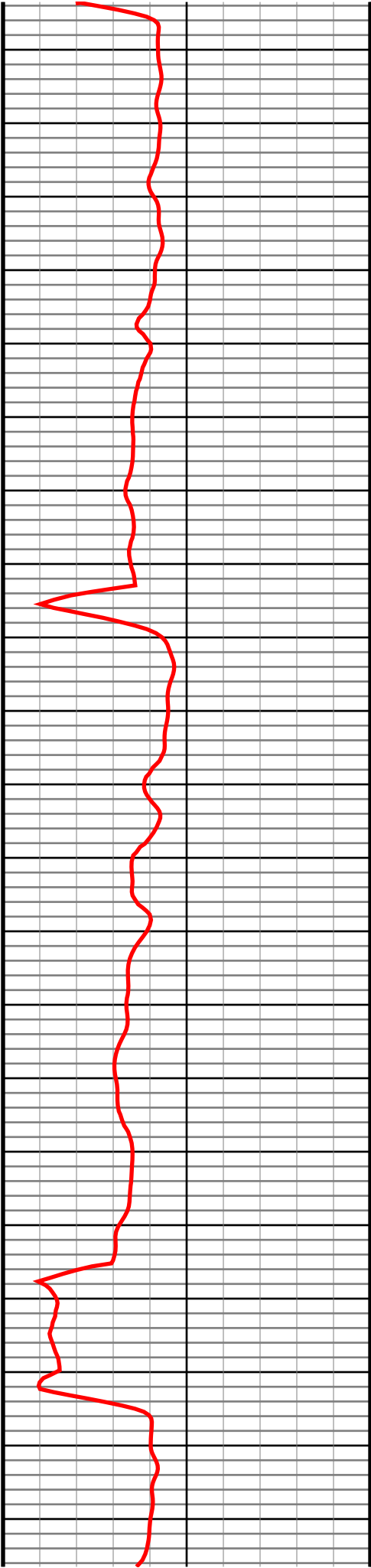


#96 MD(7895.00) Inc(89.3) Azm(267.7) TVD(6874.78)  
VS(1069.60) NS(-932.76) EW(-949.57) TEMP(0.0)

#97 MD(7987.00) Inc(89.4) Azm(267.7) TVD(6875.83)  
VS(1161.14) NS(-936.45) EW(-1041.49) TEMP(0.0)



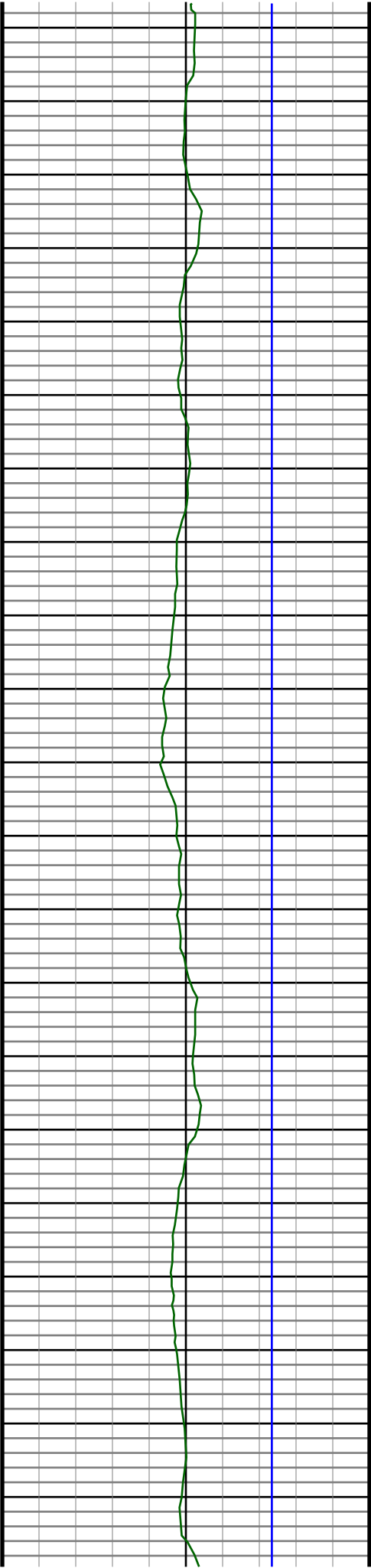
8060  
8070  
8080  
8090  
8100  
8110  
8120  
8130  
8140  
8150  
8160  
8170  
8180  
8190  
8200  
8210  
8220  
8230  
8240  
8250  
8260



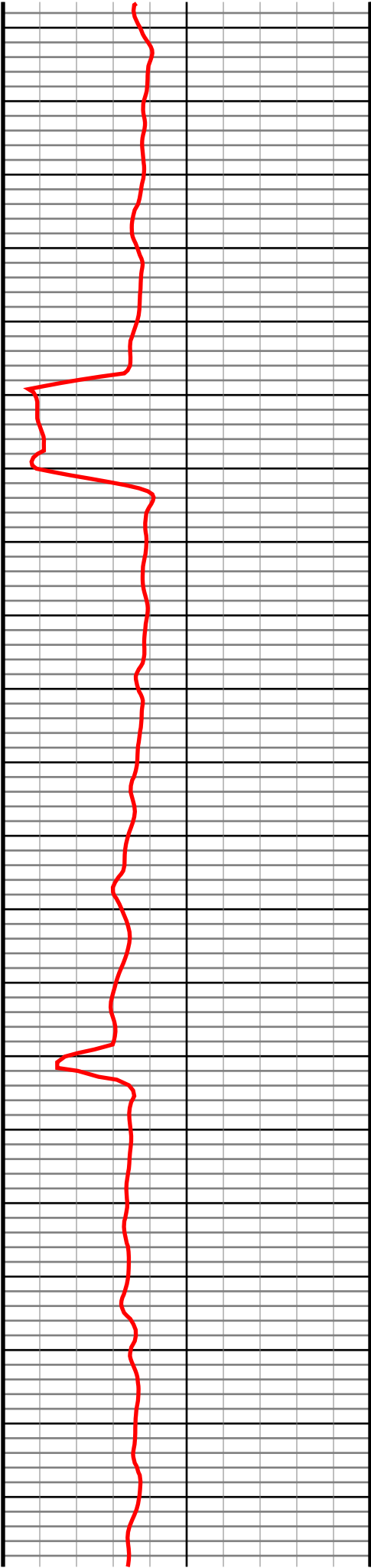
#98 MD(8078.00) Inc(88.8) Azm(268.6) TVD(6877.26)  
VS(1251.61) NS(-939.39) EW(-1132.43) TEMP(0.0)

#99 MD(8170.00) Inc(88.8) Azm(268.4) TVD(6879.18)  
VS(1343.01) NS(-941.80) EW(-1224.38) TEMP(0.0)

#100 MD(8262.00) Inc(89.2) Azm(270.6) TVD(6880.79)  
VS(1434.21) NS(-942.60) EW(-1316.36) TEMP(0.0)

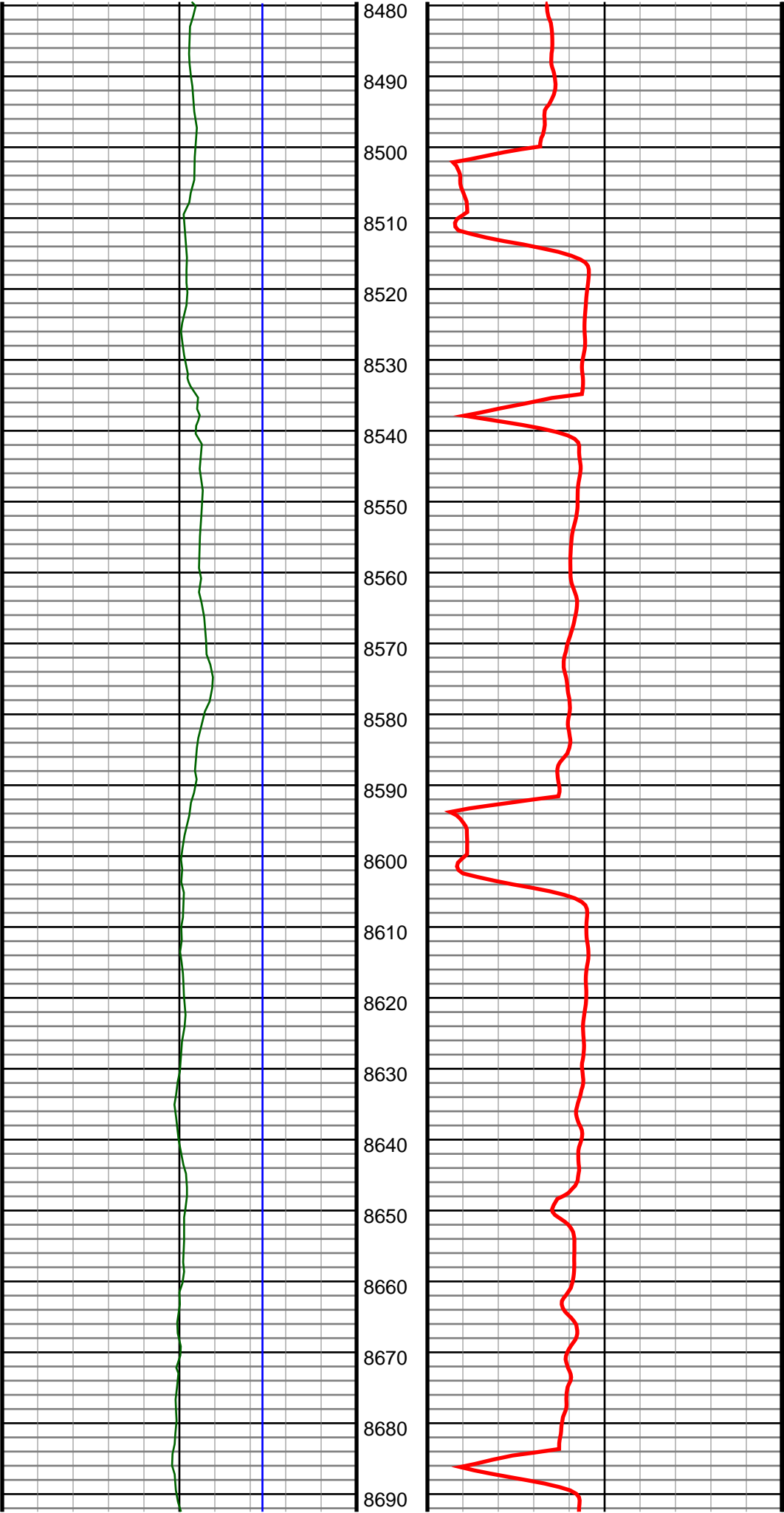


8270  
8280  
8290  
8300  
8310  
8320  
8330  
8340  
8350  
8360  
8370  
8380  
8390  
8400  
8410  
8420  
8430  
8440  
8450  
8460  
8470



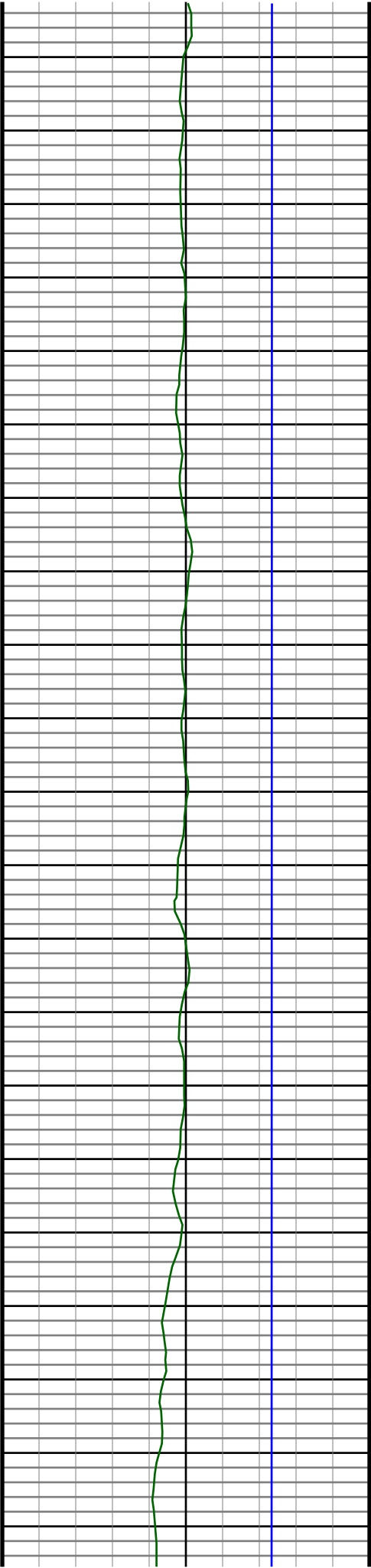
#101 MD(8353.00) Inc(90.6) Azm(268.4) TVD(6880.95)  
VS(1524.43) NS(-943.40) EW(-1407.35) TEMP(0.0)

#102 MD(8443.00) Inc(89.6) Azm(267.9) TVD(6880.79)  
VS(1613.92) NS(-946.30) EW(-1497.30) TEMP(0.0)

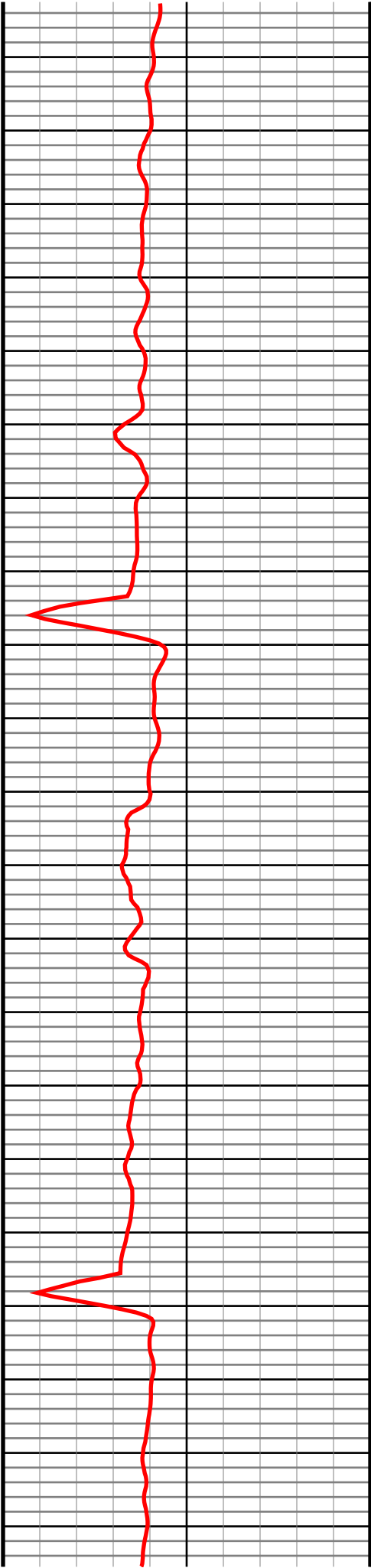


#103 MD(8535.00) Inc(89.7) Azm(269.3) TVD(6881.35)  
VS(1705.31) NS(-948.55) EW(-1589.27) TEMP(0.0)

#104 MD(8627.00) Inc(90.0) Azm(270.7) TVD(6881.59)  
VS(1796.42) NS(-948.55) EW(-1681.26) TEMP(0.0)



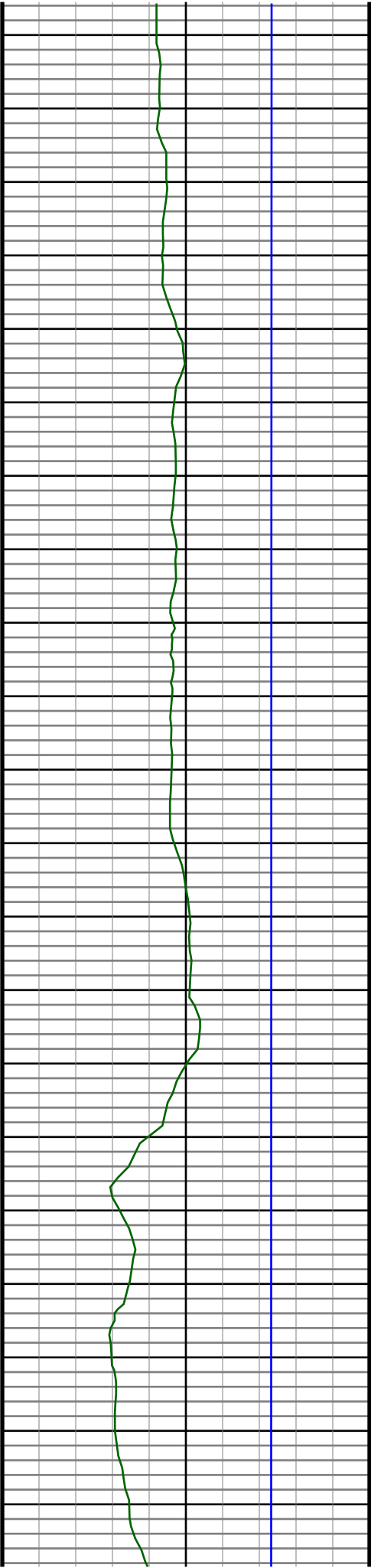
8700  
8710  
8720  
8730  
8740  
8750  
8760  
8770  
8780  
8790  
8800  
8810  
8820  
8830  
8840  
8850  
8860  
8870  
8880  
8890  
8900



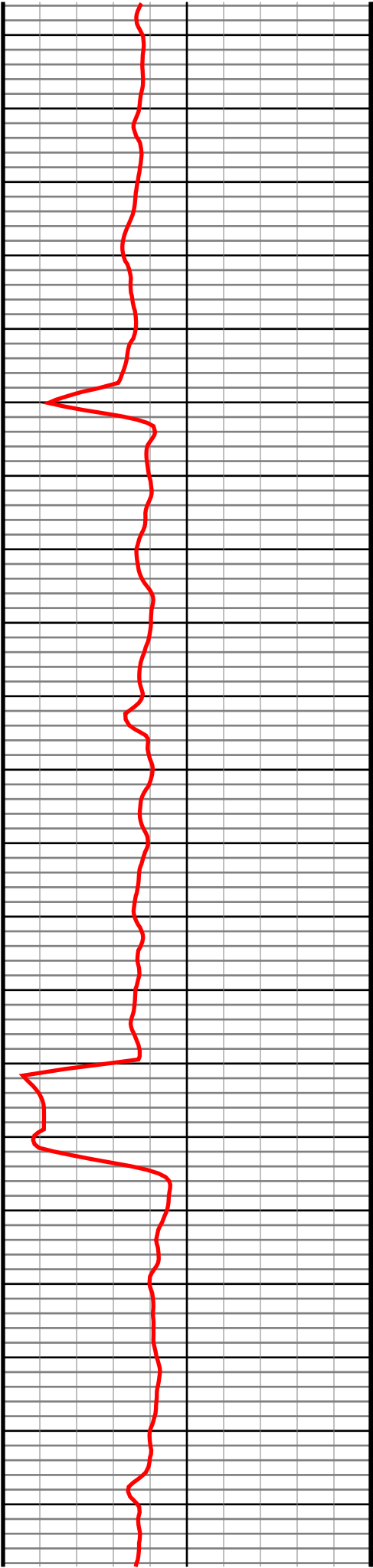
#105 MD(8719.00) Inc(90.5) Azm(271.3) TVD(6881.19)  
VS(1887.30) NS(-946.94) EW(-1773.25) TEMP(0.0)

#106 MD(8811.00) Inc(90.2) Azm(270.4) TVD(6880.63)  
VS(1978.21) NS(-945.58) EW(-1865.24) TEMP(0.0)

#107 MD(8902.00) Inc(90.4) Azm(270.4) TVD(6880.15)  
VS(2068.24) NS(-944.94) EW(-1956.23) TEMP(0.0)



8910  
8920  
8930  
8940  
8950  
8960  
8970  
8980  
8990  
9000  
9010  
9020  
9030  
9040  
9050  
9060  
9070  
9080  
9090  
9100  
9110



#108 MD(8993.00) Inc(90.7) Azm(270.9) TVD(6879.28)  
VS(2158.21) NS(-943.91) EW(-2047.22) TEMP(0.0)

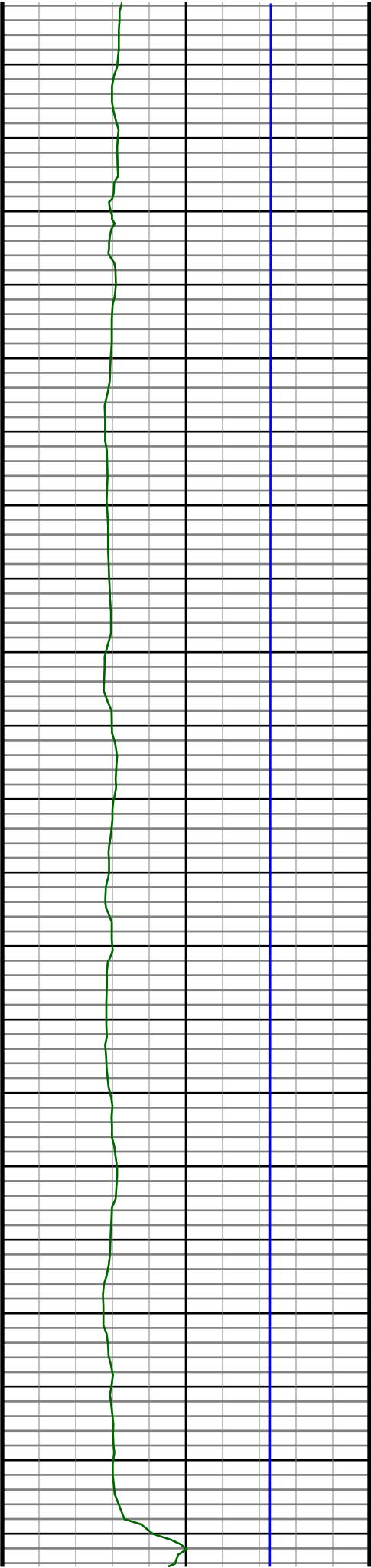
#109 MD(9084.00) Inc(90.0) Azm(269.5) TVD(6878.72)  
VS(2248.29) NS(-943.59) EW(-2138.22) TEMP(0.0)



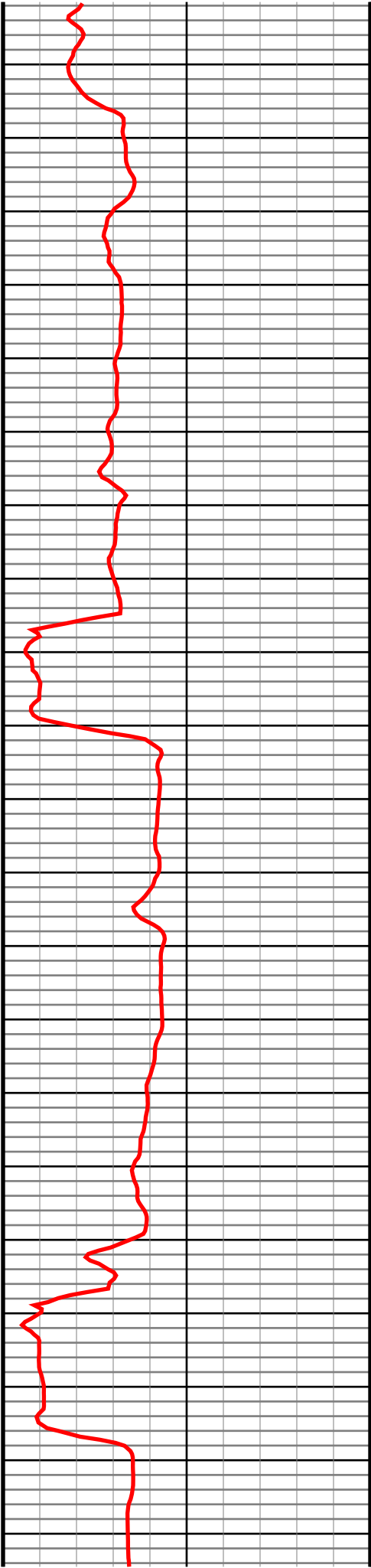


#110 MD(9176.00) Inc(90.0) Azm(269.0) TVD(6878.72)  
VS(2339.56) NS(-944.80) EW(-2230.21) TEMP(0.0)

#111 MD(9268.00) Inc(90.8) Azm(269.0) TVD(6878.08)  
VS(2430.88) NS(-946.40) EW(-2322.19) TEMP(0.0)



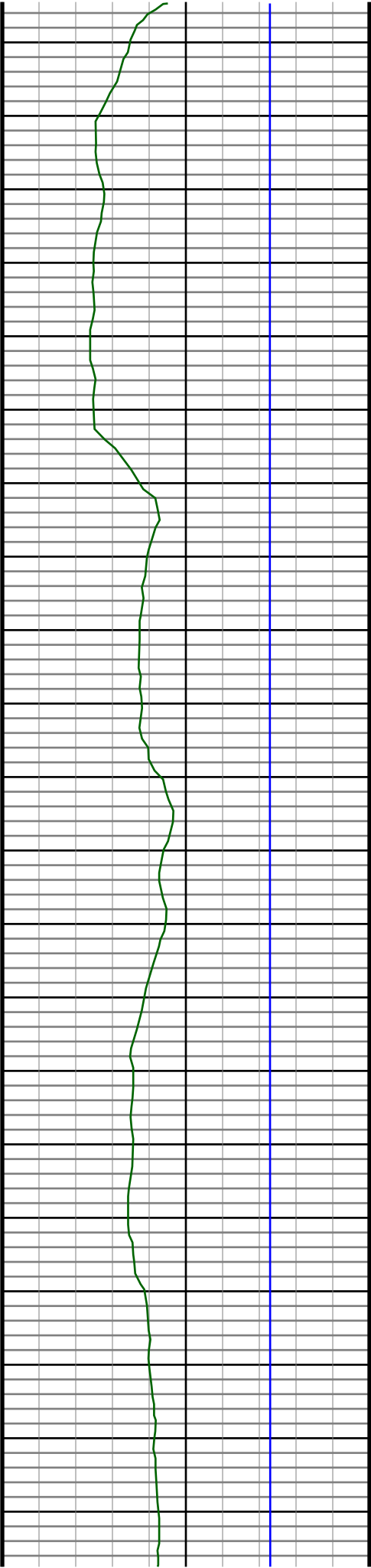
9340  
9350  
9360  
9370  
9380  
9390  
9400  
9410  
9420  
9430  
9440  
9450  
9460  
9470  
9480  
9490  
9500  
9510  
9520  
9530  
9540



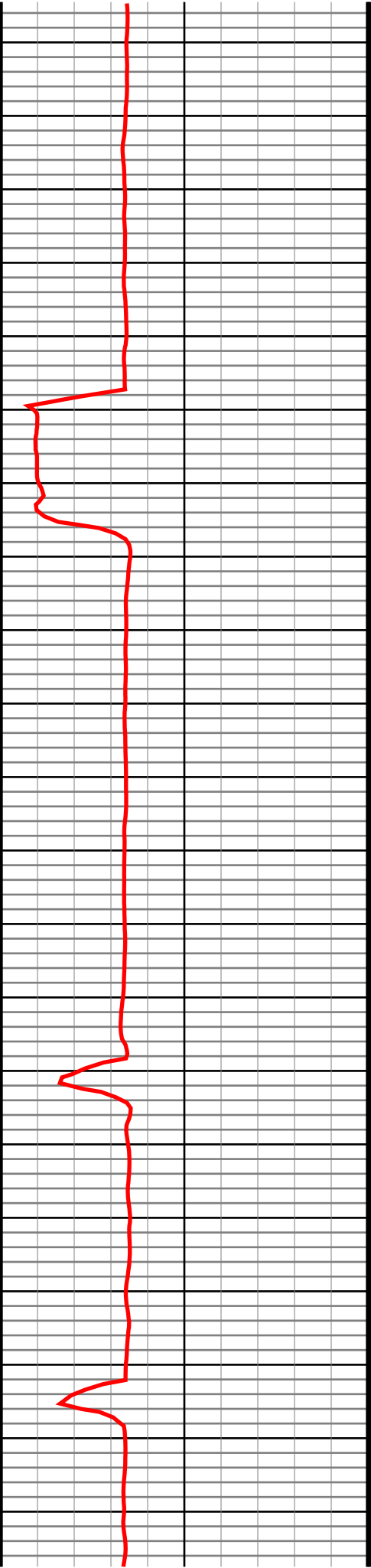
#112 MD(9359.00) Inc(90.7) Azm(268.3) TVD(6876.89)  
VS(2521.26) NS(-948.55) EW(-2413.16) TEMP(0.0)

#113 MD(9451.00) Inc(90.7) Azm(268.4) TVD(6875.77)  
VS(2612.70) NS(-951.20) EW(-2505.11) TEMP(0.0)

#114 MD(9543.00) Inc(90.7) Azm(270.6) TVD(6874.64)  
VS(2703.91) NS(-952.00) EW(-2597.10) TEMP(0.0)

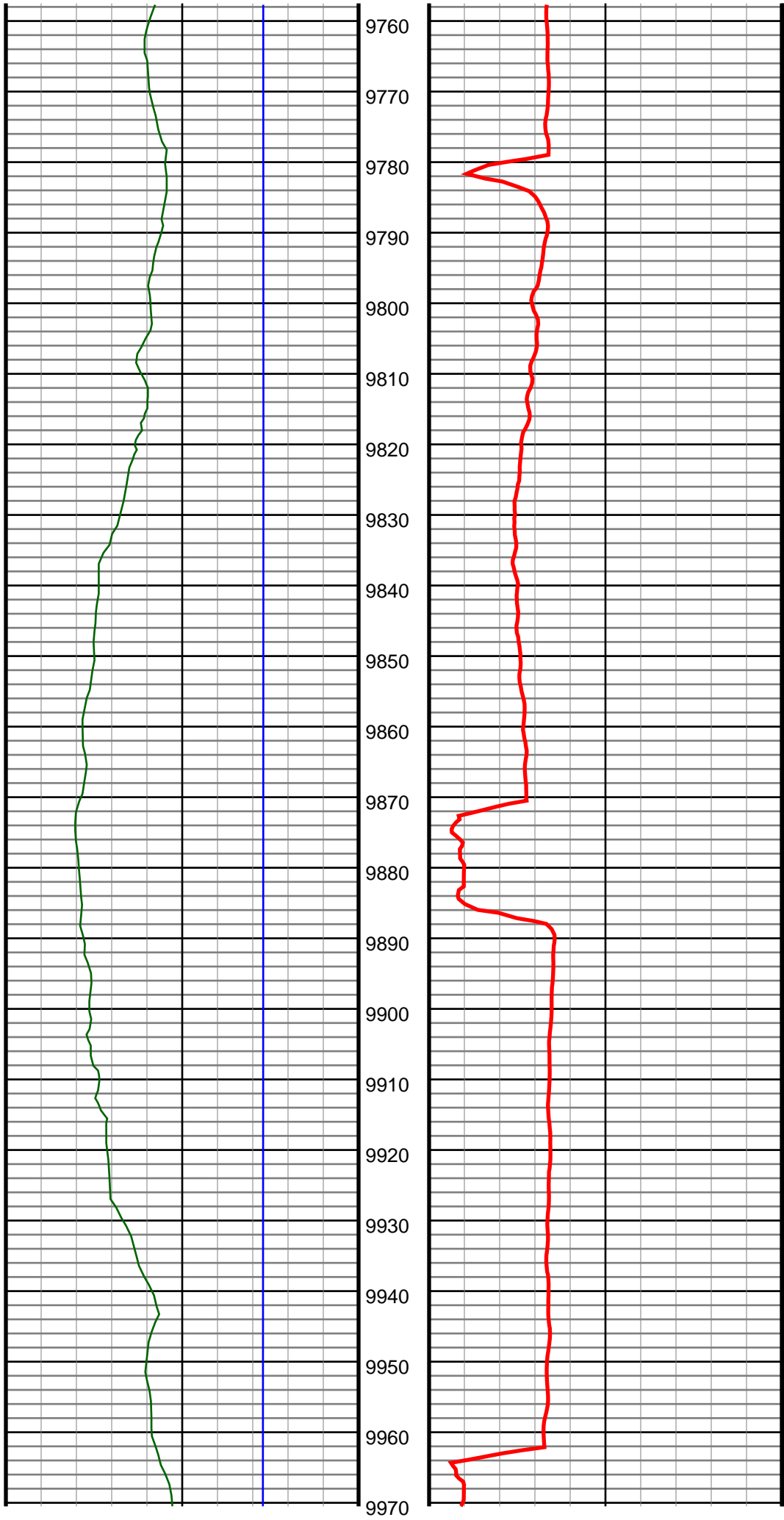


9550  
9560  
9570  
9580  
9590  
9600  
9610  
9620  
9630  
9640  
9650  
9660  
9670  
9680  
9690  
9700  
9710  
9720  
9730  
9740  
9750



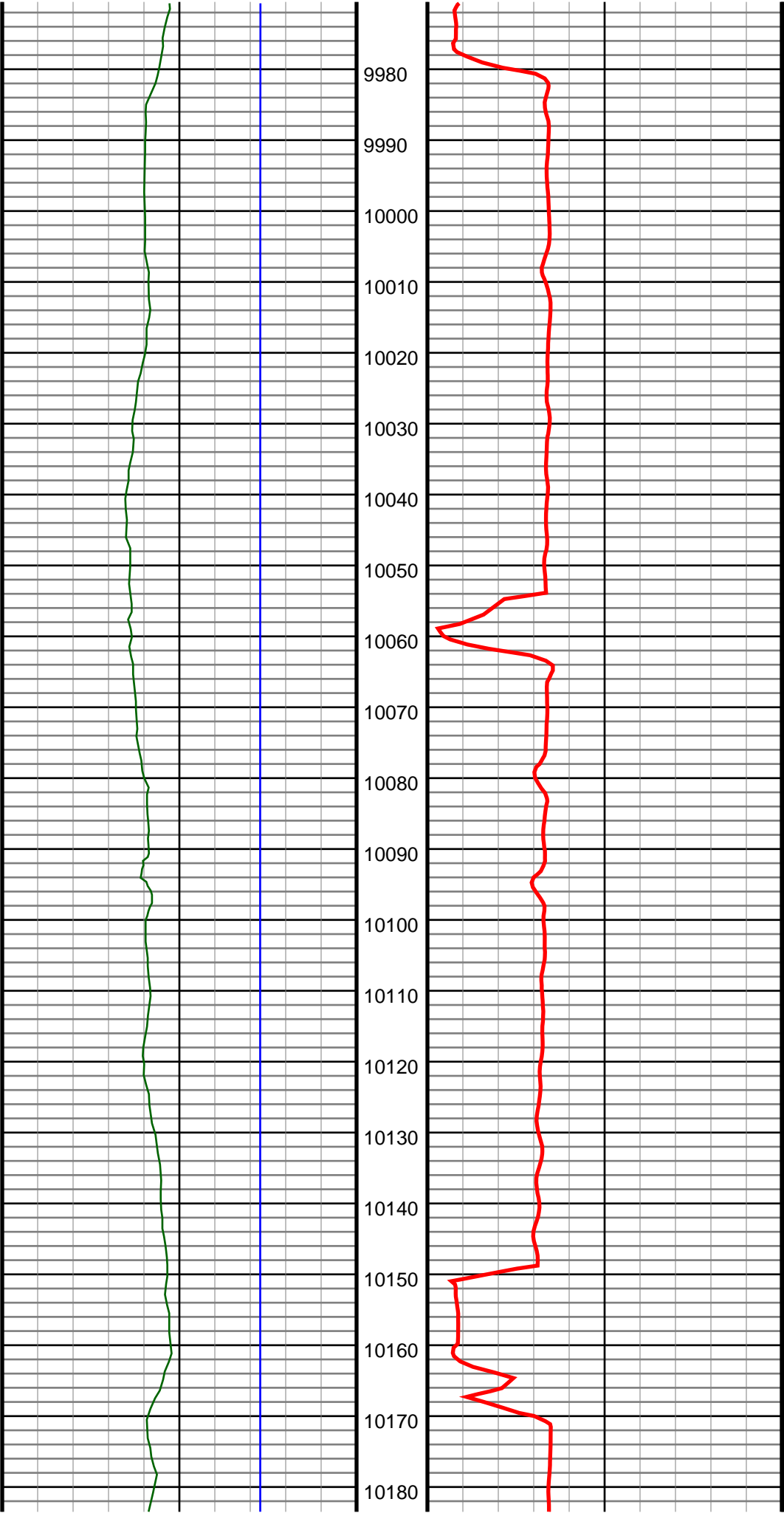
#115 MD(9635.00) Inc(89.5) Azm(269.7) TVD(6874.48)  
VS(2794.99) NS(-951.76) EW(-2689.09) TEMP(0.0)

#116 MD(9727.00) Inc(89.4) Azm(269.5) TVD(6875.37)  
VS(2886.18) NS(-952.40) EW(-2781.09) TEMP(0.0)



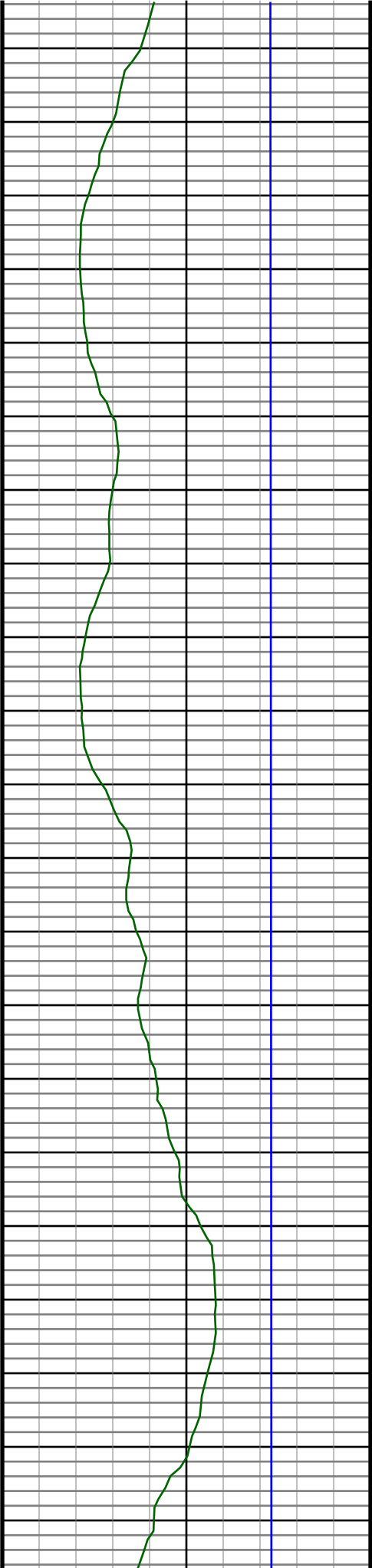
#117 MD(9819.00) Inc(89.4) Azm(268.8) TVD(6876.33)  
VS(2977.47) NS(-953.76) EW(-2873.07) TEMP(0.0)

#118 MD(9911.00) Inc(91.8) Azm(269.3) TVD(6875.37)  
VS(3068.77) NS(-955.29) EW(-2965.05) TEMP(0.0)

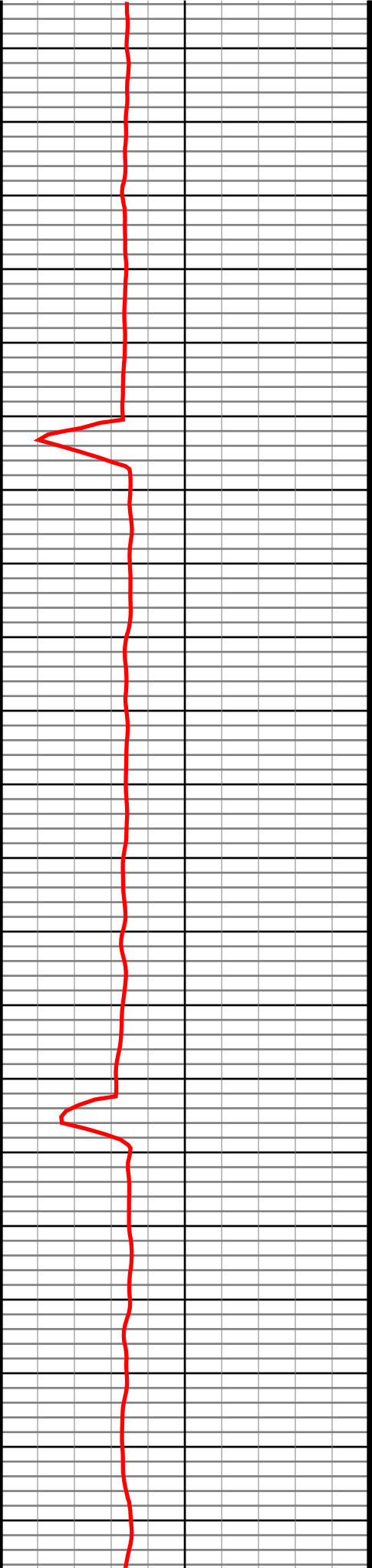


#119 MD(10003.00) Inc(89.9) Azm(269.5) TVD(6874.00)  
VS(3160.00) NS(-956.25) EW(-3057.03) TEMP(0.0)

#120 MD(10095.00) Inc(90.7) Azm(270.9) TVD(6873.52)  
VS(3251.06) NS(-955.93) EW(-3149.02) TEMP(0.0)



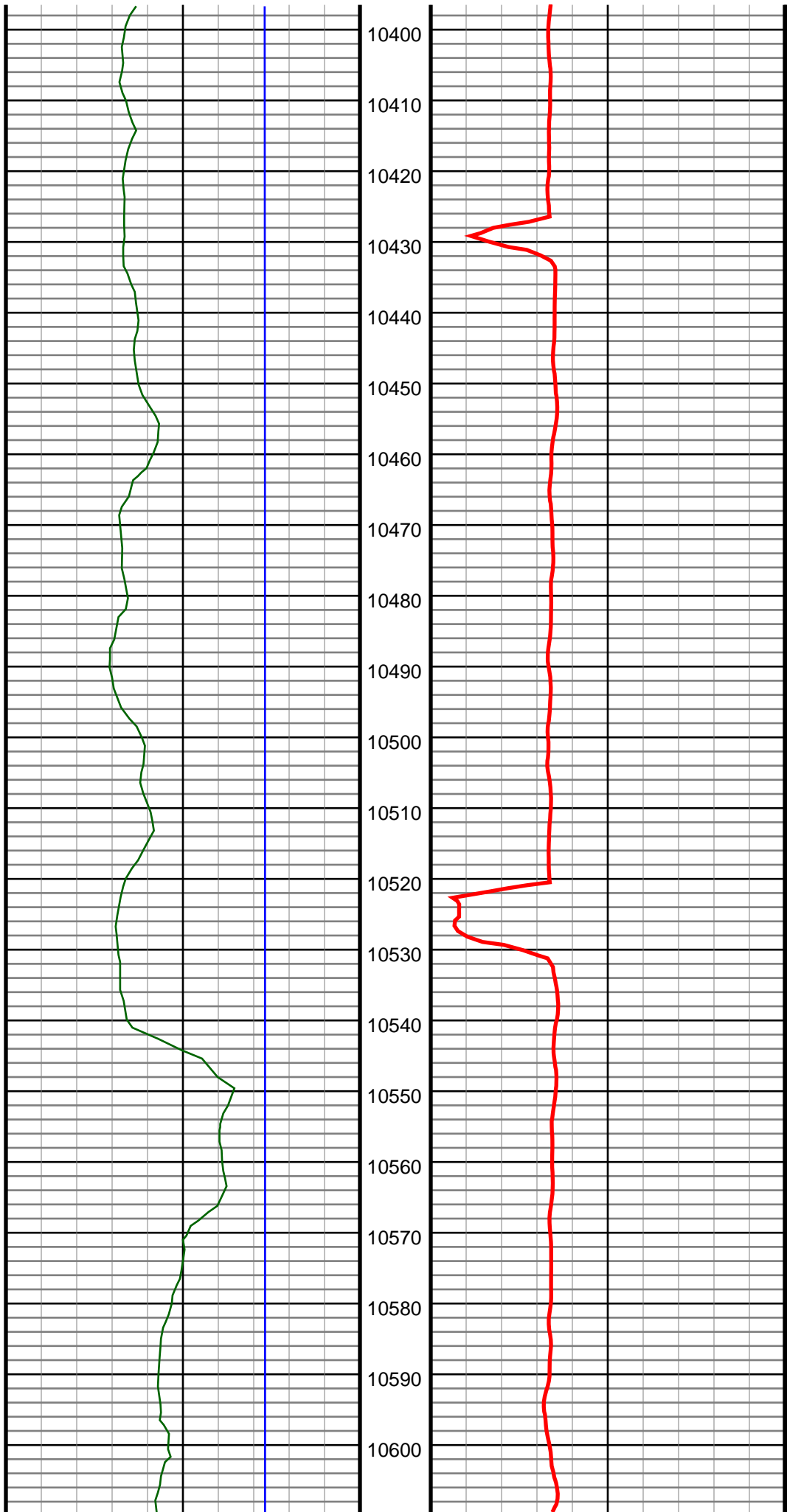
10190  
10200  
10210  
10220  
10230  
10240  
10250  
10260  
10270  
10280  
10290  
10300  
10310  
10320  
10330  
10340  
10350  
10360  
10370  
10380  
10390



#121 MD(10187.00) Inc(88.9) Azm(270.2) TVD(6873.84)  
VS(3342.04) NS(-955.05) EW(-3241.01) TEMP(0.0)

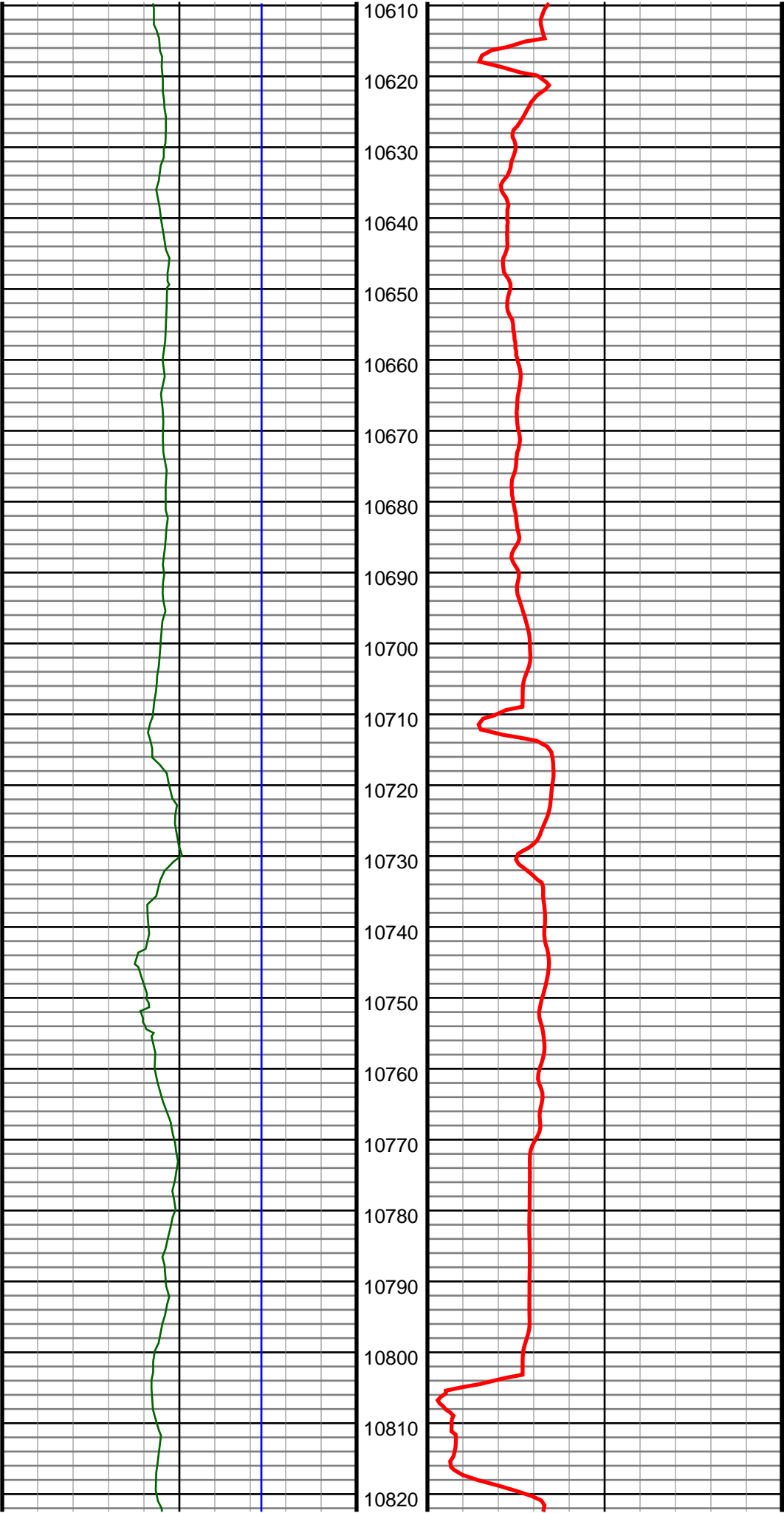
#122 MD(10279.00) Inc(89.2) Azm(269.9) TVD(6875.37)  
VS(3433.13) NS(-954.97) EW(-3333.00) TEMP(0.0)

#123 MD(10373.00) Inc(89.1) Azm(269.9) TVD(6876.76)  
VS(3526.24) NS(-955.13) EW(-3426.99) TEMP(0.0)



#124 MD(10468.00) Inc(89.3) Azm(269.9) TVD(6878.09)  
VS(3620.34) NS(-955.30) EW(-3521.98) TEMP(0.0)

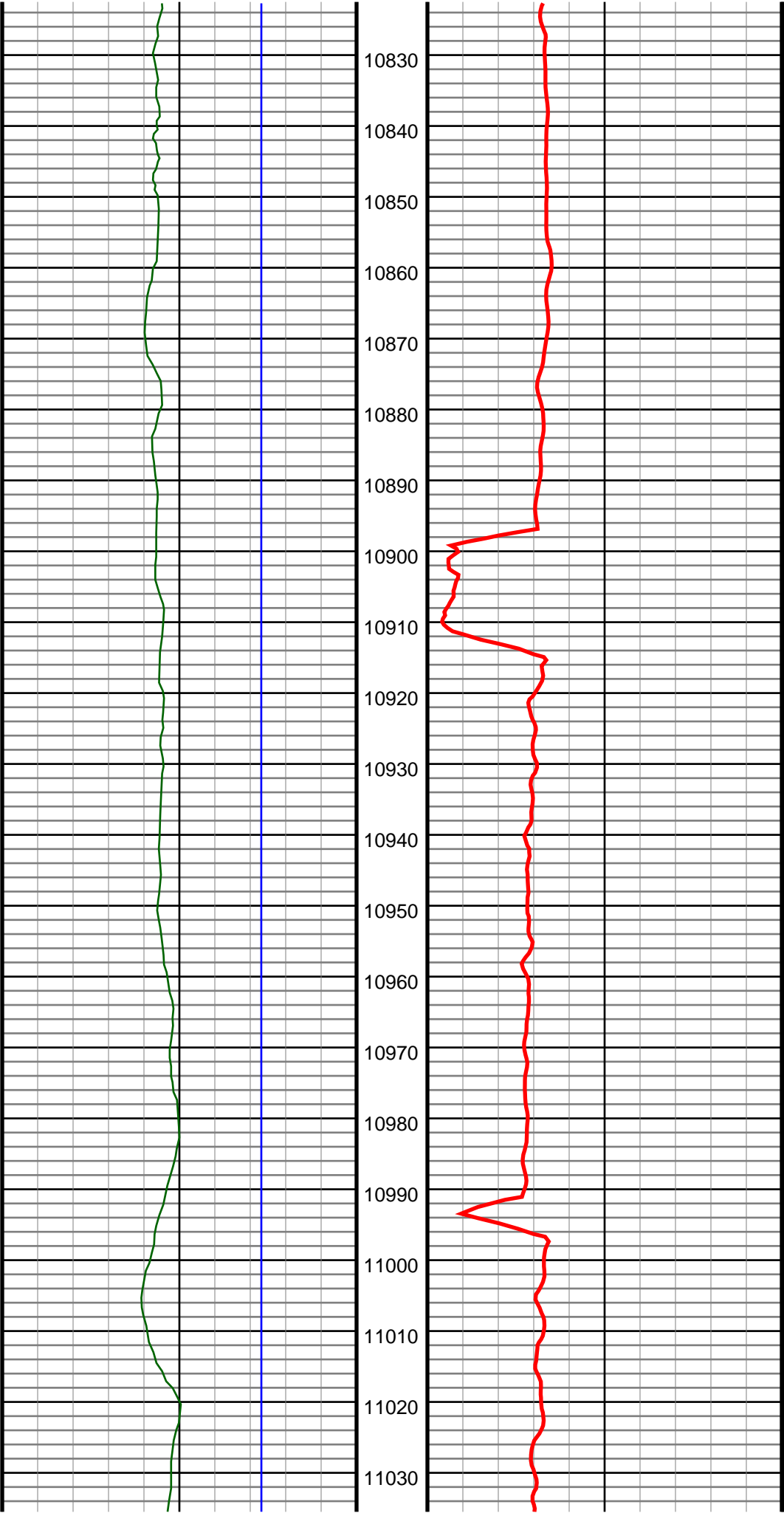
#125 MD(10562.00) Inc(90.2) Azm(269.1) TVD(6878.50)  
VS(3713.54) NS(-956.12) EW(-3615.97) TEMP(0.0)



#126 MD(10656.00) Inc(90.0) Azm(269.0) TVD(6878.33)  
VS(3806.84) NS(-957.68) EW(-3709.96) TEMP(0.0)

#127 MD(10750.00) Inc(90.3) Azm(268.3) TVD(6878.09)  
VS(3900.21) NS(-959.89) EW(-3803.93) TEMP(0.0)

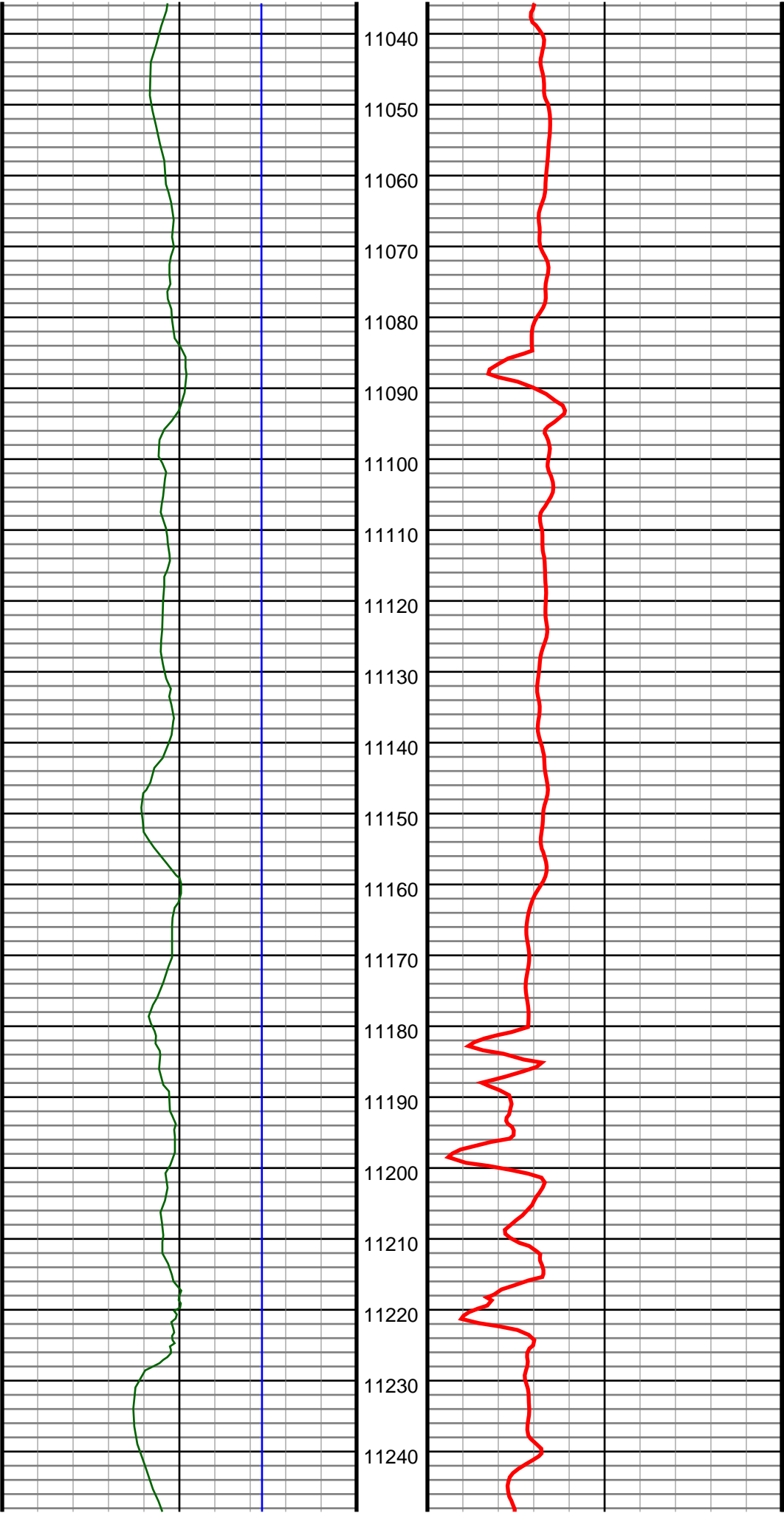




#128 MD(10845.00) Inc(90.5) Azm(269.0) TVD(6877.42)  
VS(3994.58) NS(-962.13) EW(-3898.91) TEMP(0.0)

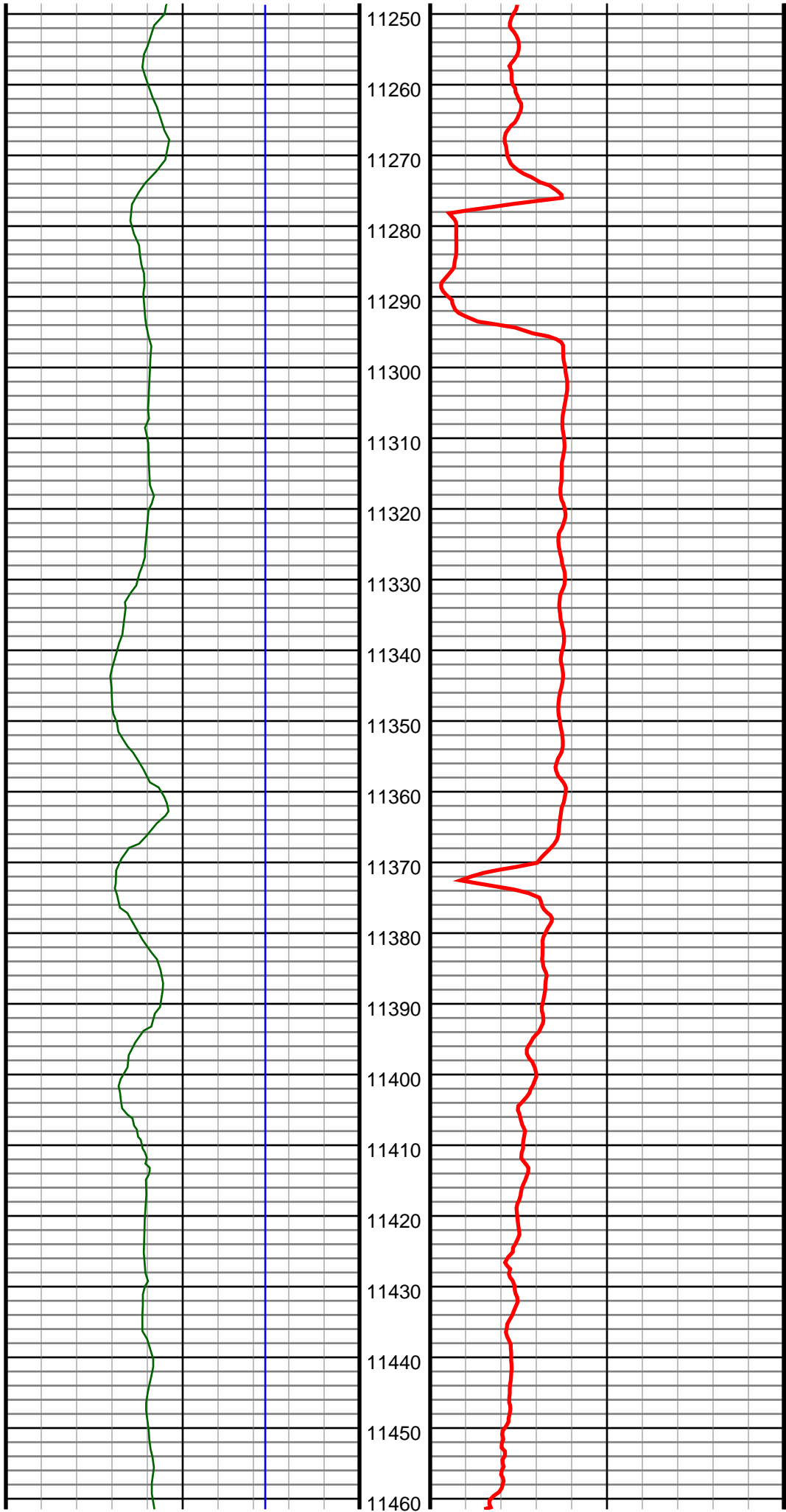
#129 MD(10939.00) Inc(89.7) Azm(269.7) TVD(6877.26)  
VS(4087.81) NS(-963.20) EW(-3992.90) TEMP(0.0)

#130 MD(11033.00) Inc(89.8) Azm(269.5) TVD(6877.67)  
VS(4180.99) NS(-963.85) EW(-4086.89) TEMP(0.0)



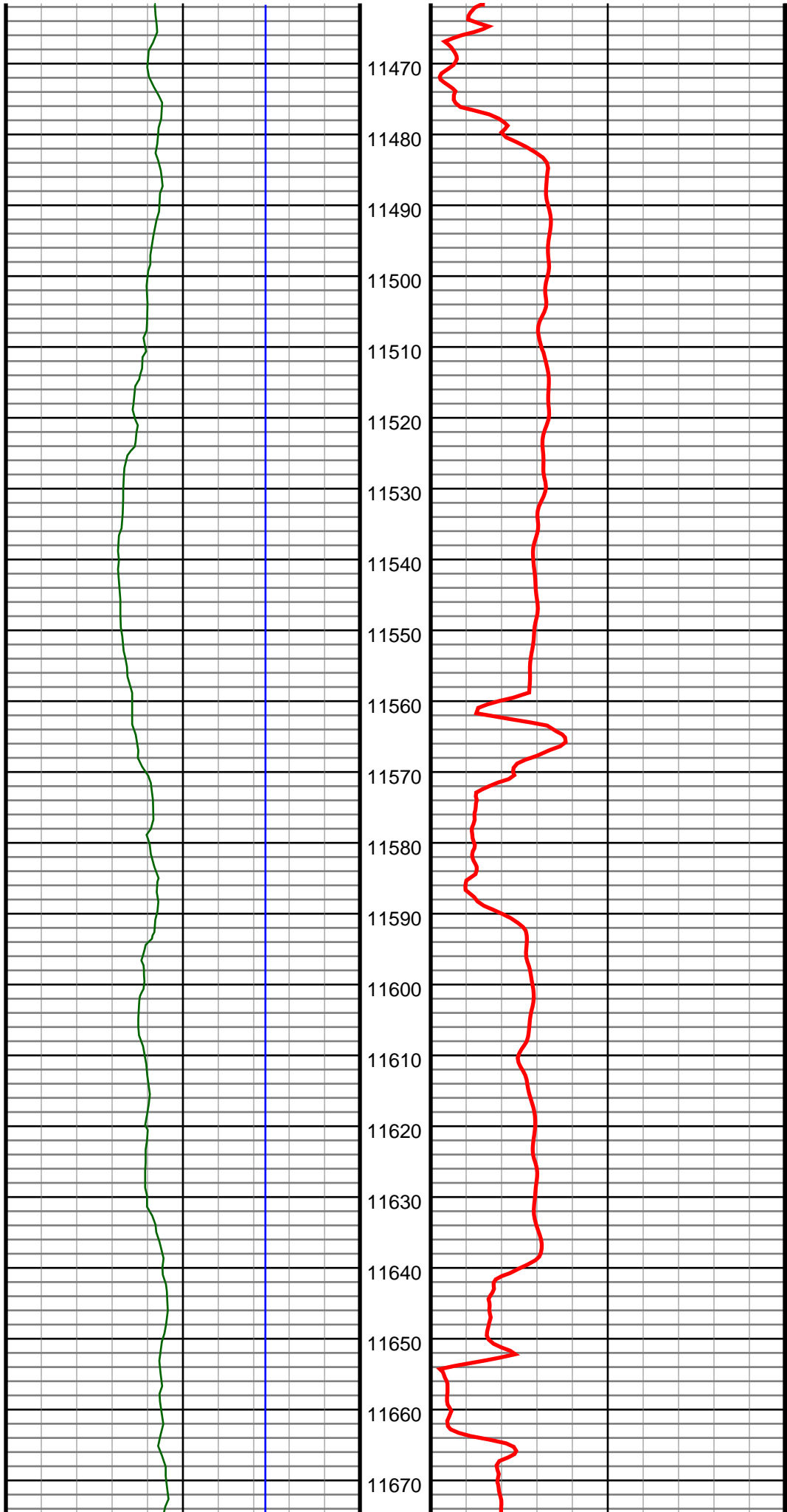
#131 MD(11127.00) Inc(89.4) Azm(268.8) TVD(6878.33)  
VS(4274.27) NS(-965.25) EW(-4180.88) TEMP(0.0)

#132 MD(11222.00) Inc(89.0) Azm(267.7) TVD(6879.65)  
VS(4368.70) NS(-968.15) EW(-4275.83) TEMP(0.0)



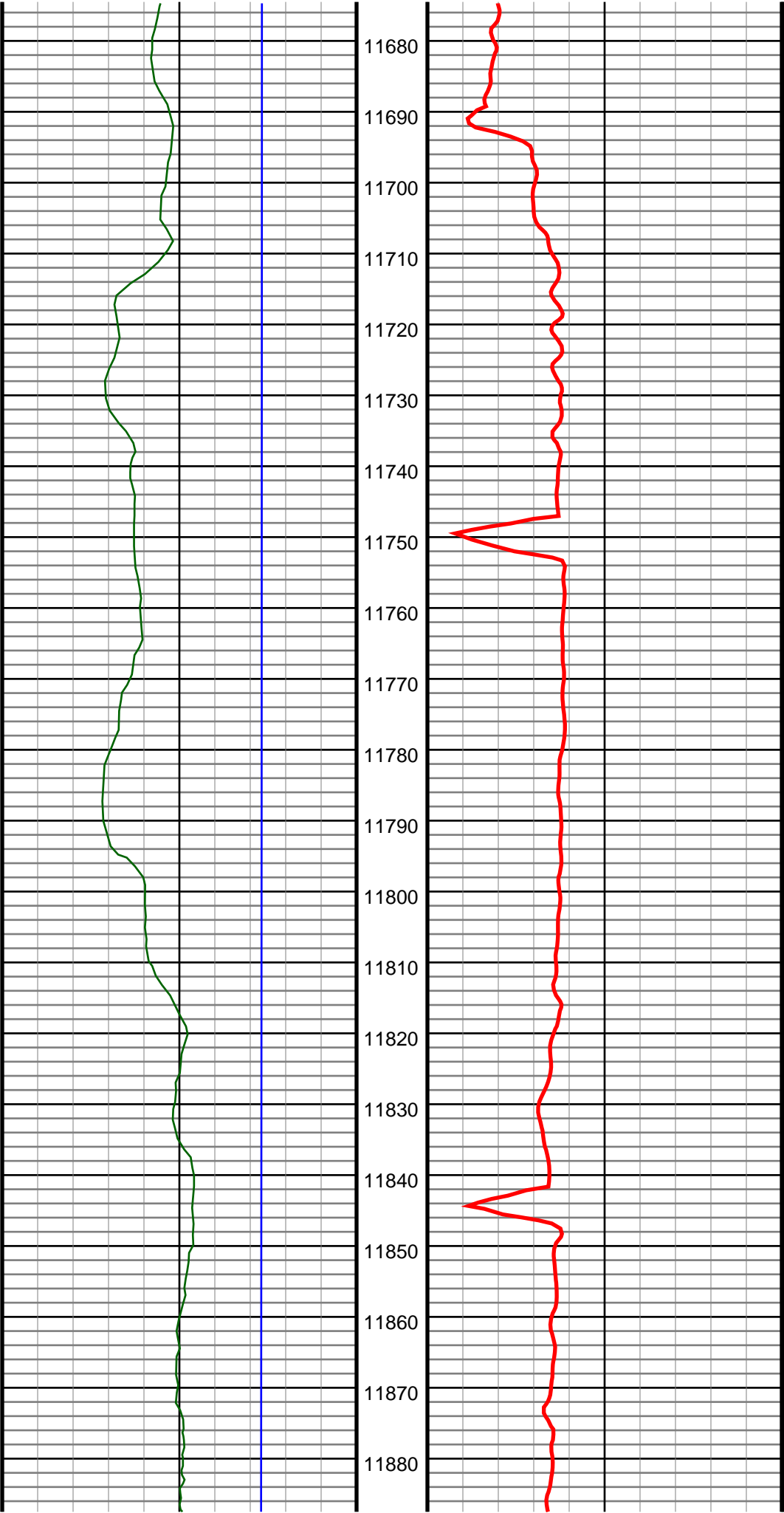
#133 MD(11317.00) Inc(90.1) Azm(269.0) TVD(6880.40)  
VS(4463.12) NS(-970.88) EW(-4370.78) TEMP(0.0)

#134 MD(11411.00) Inc(89.9) Azm(268.8) TVD(6880.40)  
VS(4556.44) NS(-972.69) EW(-4464.76) TEMP(0.0)



#135 MD(11505.00) Inc(90.5) Azm(270.2) TVD(6880.07)  
VS(4649.64) NS(-973.51) EW(-4558.76) TEMP(0.0)

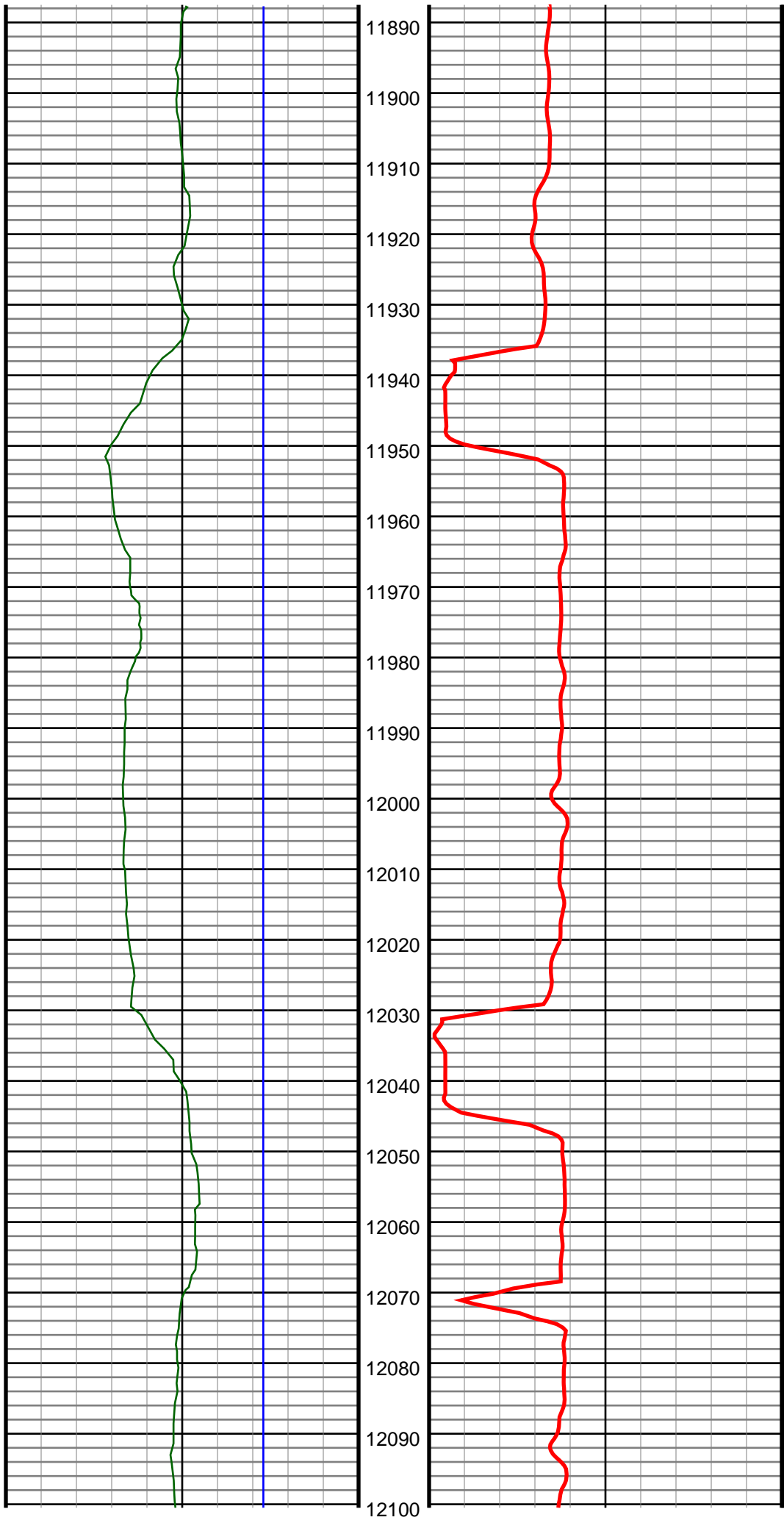
#136 MD(11599.00) Inc(90.0) Azm(269.3) TVD(6879.66)  
VS(4742.79) NS(-973.92) EW(-4652.75) TEMP(0.0)



#137 MD(11693.00) Inc(90.3) Azm(270.6) TVD(6879.41)  
VS(4835.90) NS(-974.00) EW(-4746.75) TEMP(0.0)

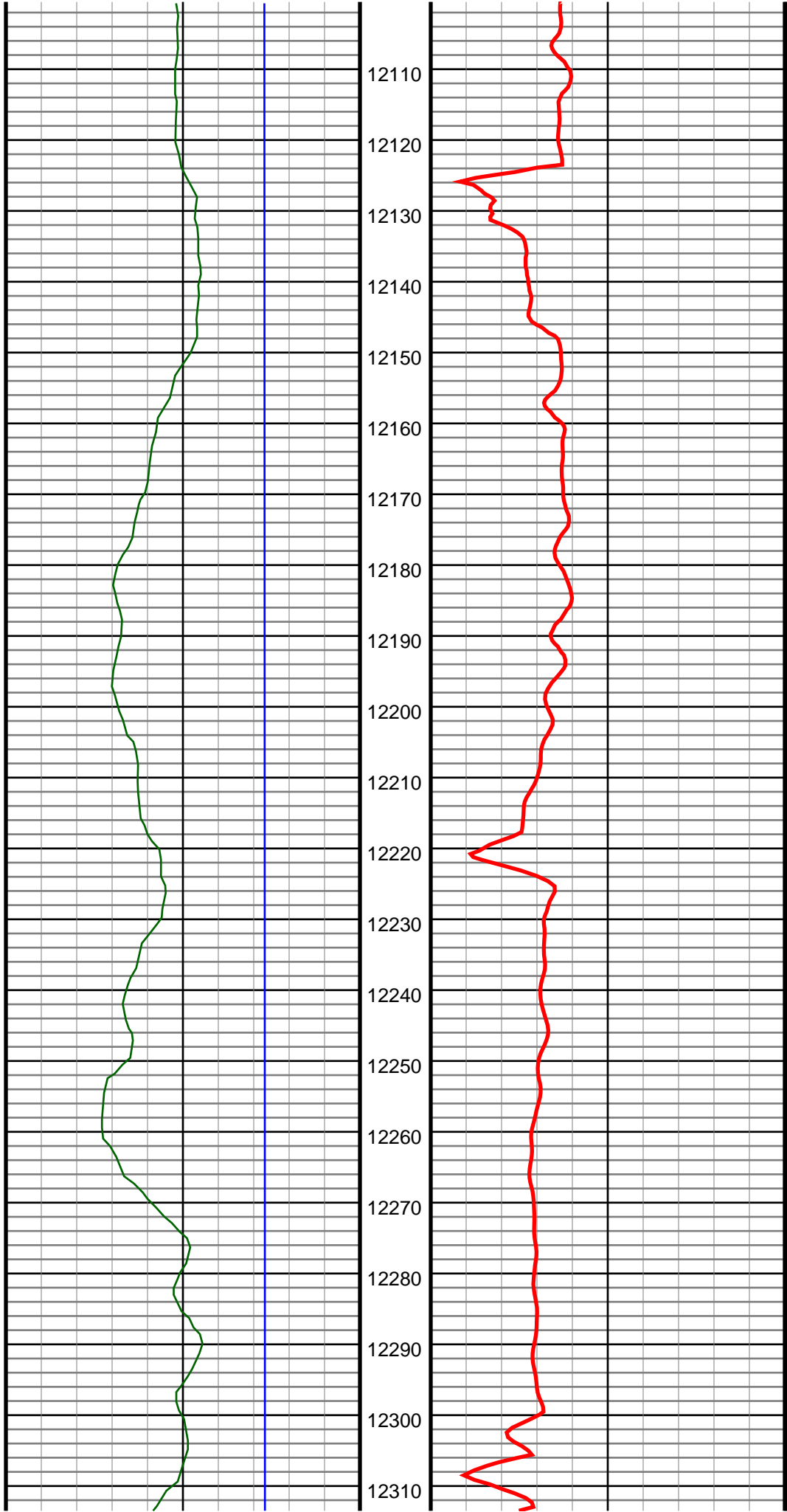
#138 MD(11787.00) Inc(90.8) Azm(270.0) TVD(6878.51)  
VS(4928.92) NS(-973.51) EW(-4840.74) TEMP(0.0)

#139 MD(11882.00) Inc(91.3) Azm(269.7) TVD(6876.77)  
VS(5023.02) NS(-973.76) EW(-4935.73) TEMP(0.0)



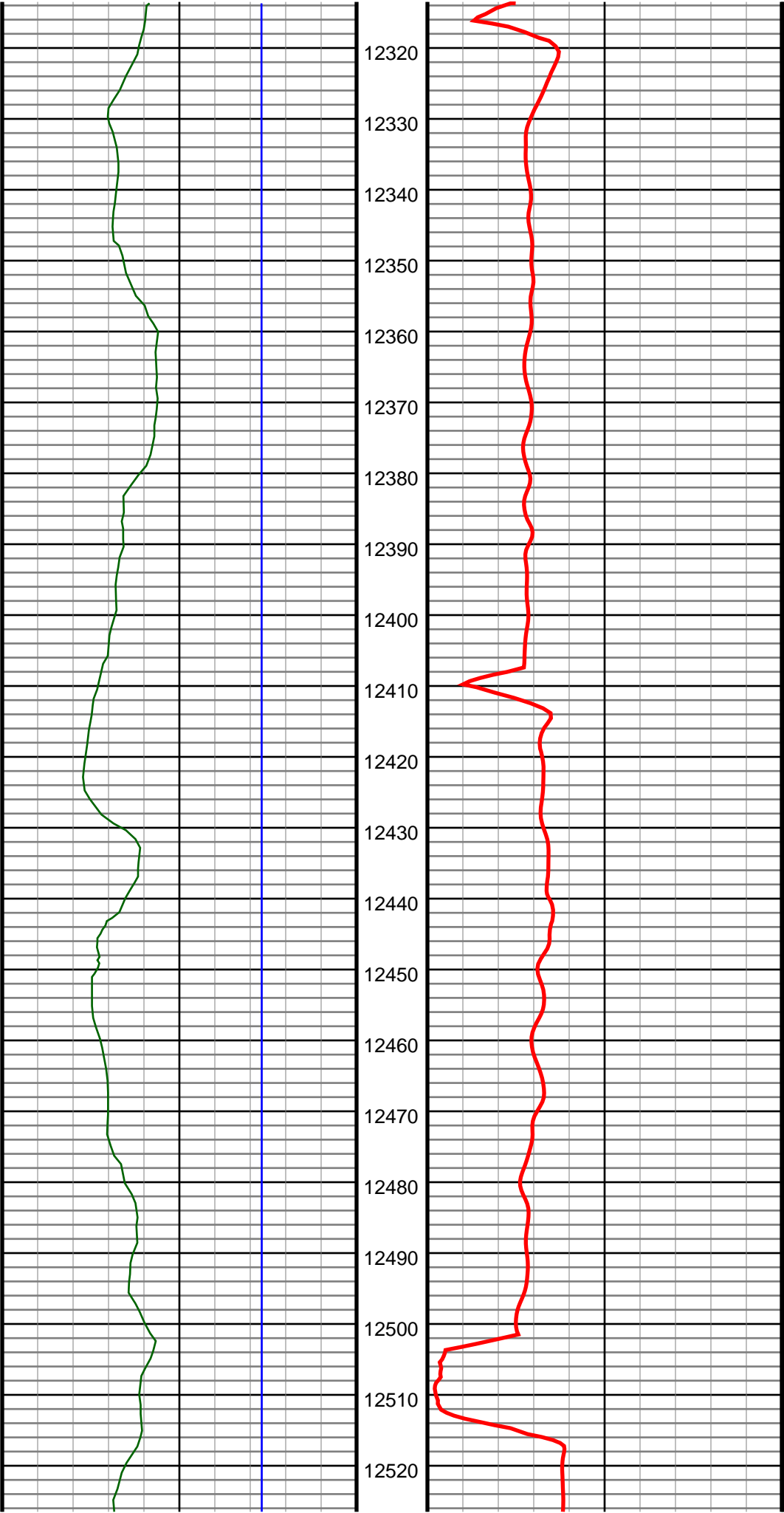
#140 MD(11976.00) Inc(90.2) Azm(268.3) TVD(6875.54)  
VS(5116.31) NS(-975.40) EW(-5029.70) TEMP(0.0)

#141 MD(12070.00) Inc(89.5) Azm(270.6) TVD(6875.79)  
VS(5209.52) NS(-976.30) EW(-5123.69) TEMP(0.0)



#142 MD(12165.00) Inc(89.4) Azm(269.7) TVD(6876.70)  
VS(5303.57) NS(-976.05) EW(-5218.68) TEMP(0.0)

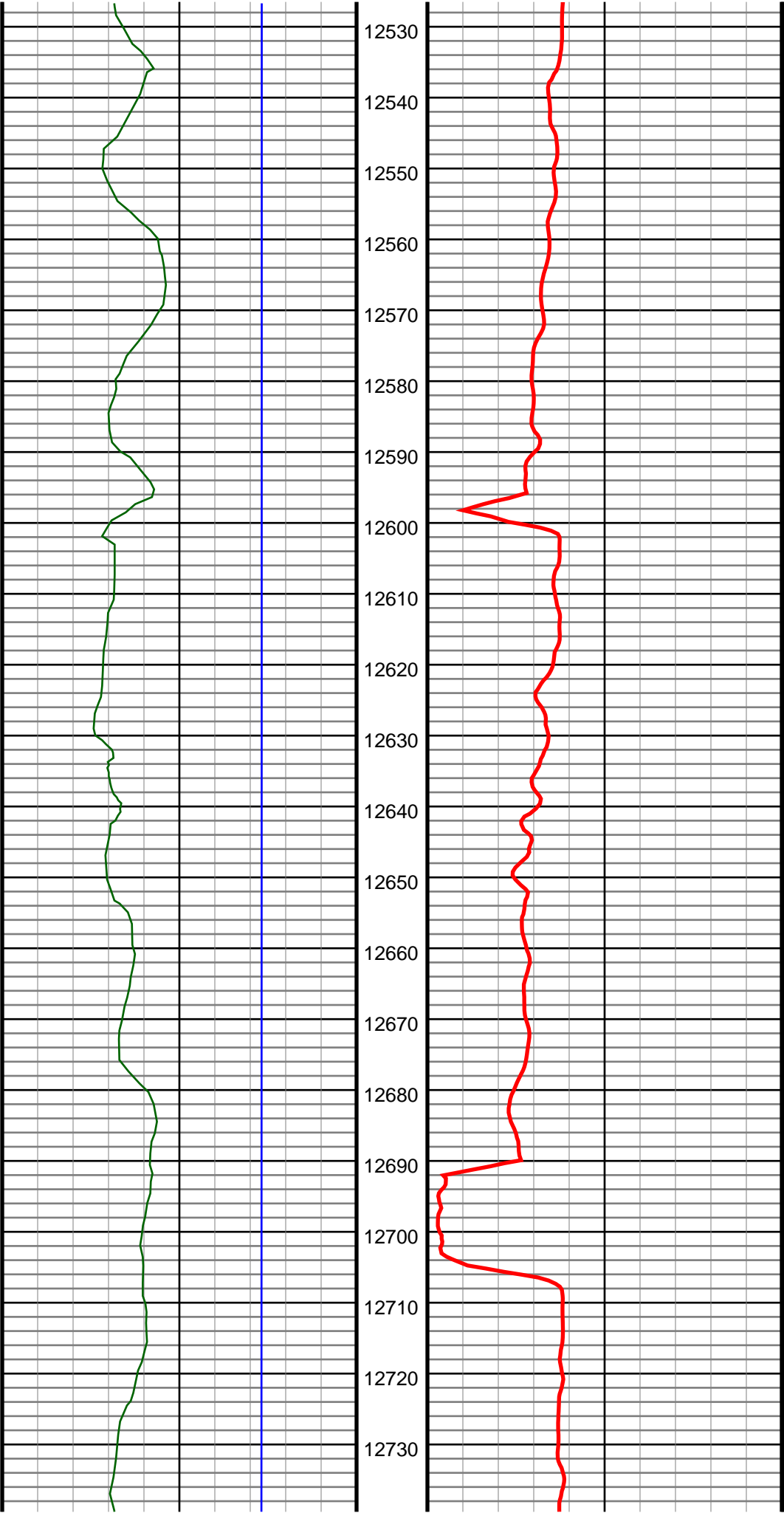
#143 MD(12259.00) Inc(89.5) Azm(269.7) TVD(6877.60)  
VS(5396.72) NS(-976.54) EW(-5312.68) TEMP(0.0)



#144 MD(12353.00) Inc(89.7) Azm(269.9) TVD(6878.26)  
VS(5489.86) NS(-976.87) EW(-5406.68) TEMP(0.0)

#145 MD(12447.00) Inc(89.6) Azm(269.5) TVD(6878.83)  
VS(5583.02) NS(-977.36) EW(-5500.67) TEMP(0.0)

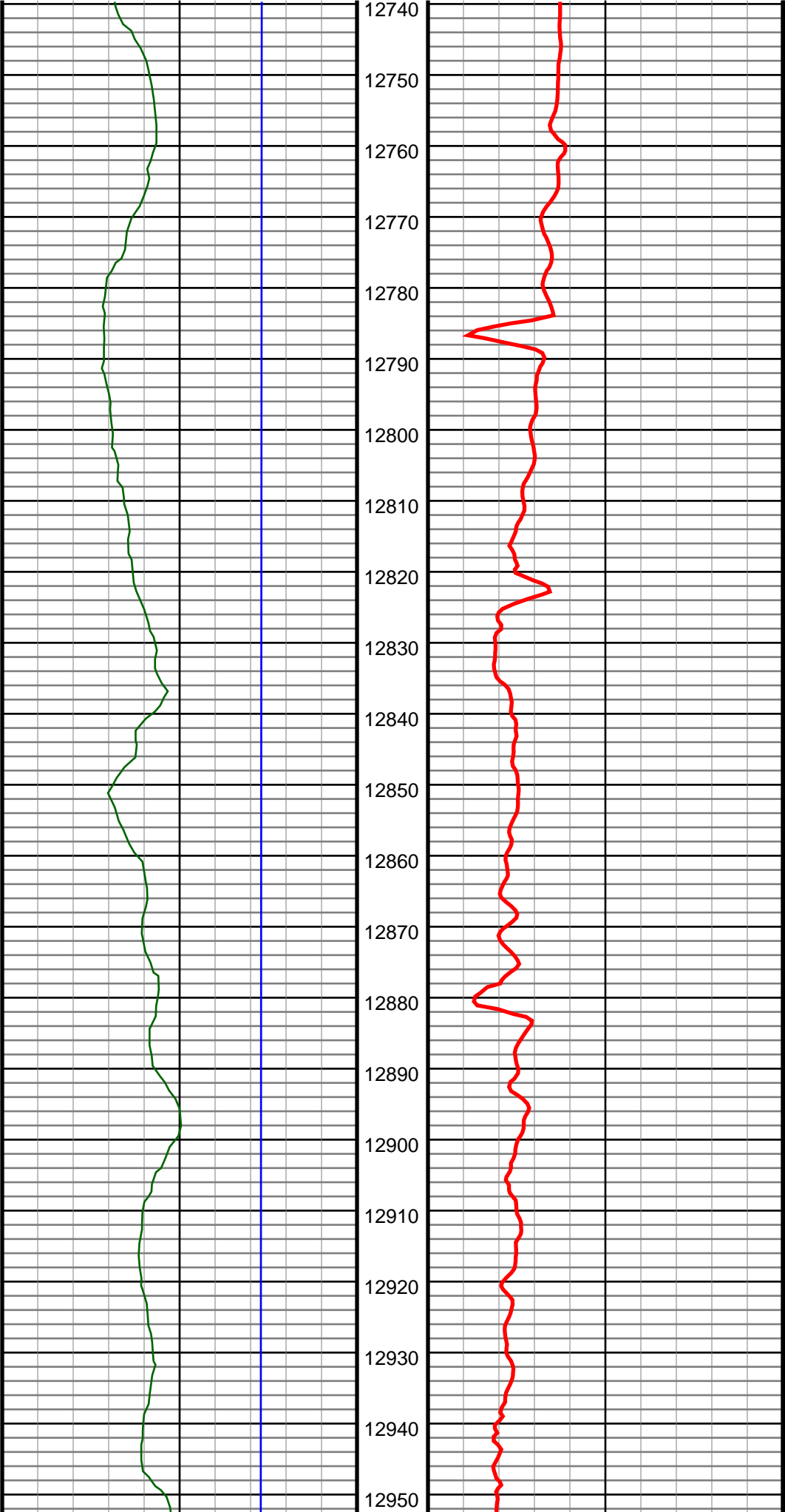




#146 MD(12541.00) Inc(90.3) Azm(268.8) TVD(6878.91)  
VS(5676.30) NS(-978.76) EW(-5594.66) TEMP(0.0)

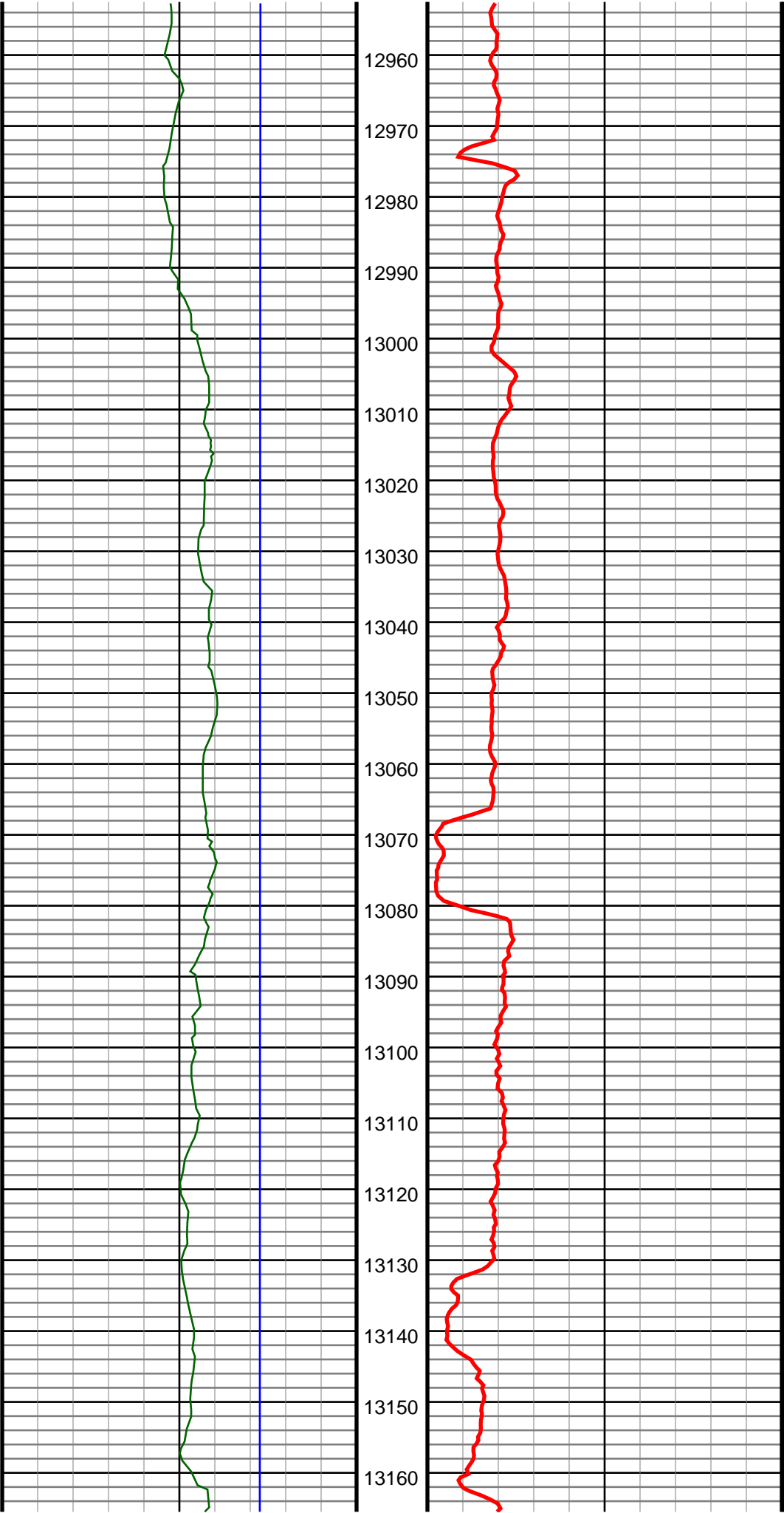
#147 MD(12635.00) Inc(90.0) Azm(268.4) TVD(6878.67)  
VS(5769.68) NS(-981.05) EW(-5688.63) TEMP(0.0)

#148 MD(12729.00) Inc(90.9) Azm(269.9) TVD(6877.93)  
VS(5862.95) NS(-982.45) EW(-5782.61) TEMP(0.0)



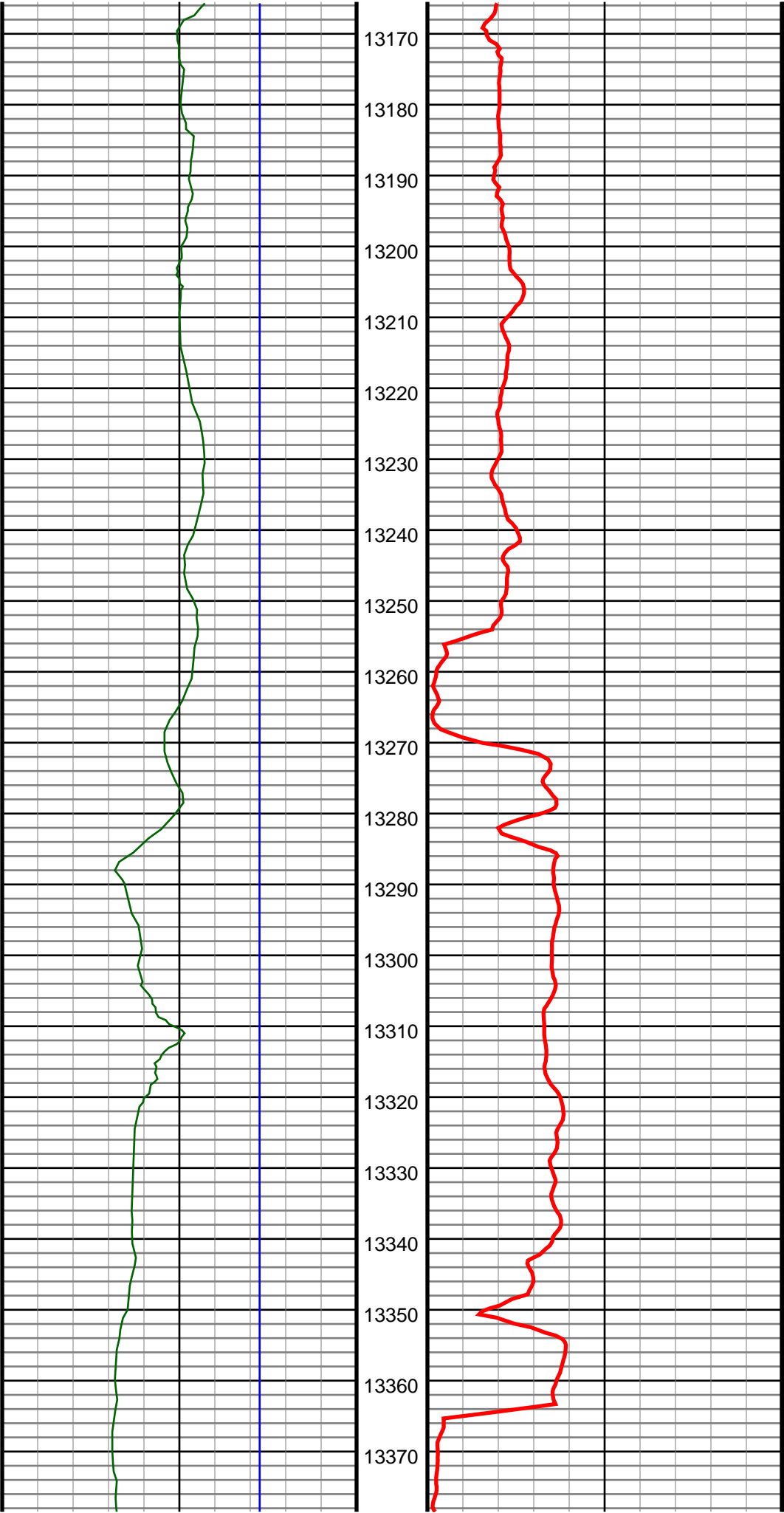
#149 MD(12824.00) Inc(90.9) Azm(269.7) TVD(6876.44)  
VS(5957.07) NS(-982.78) EW(-5877.60) TEMP(0.0)

#150 MD(12917.00) Inc(90.9) Azm(269.1) TVD(6874.98)  
VS(6049.29) NS(-983.75) EW(-5970.59) TEMP(0.0)



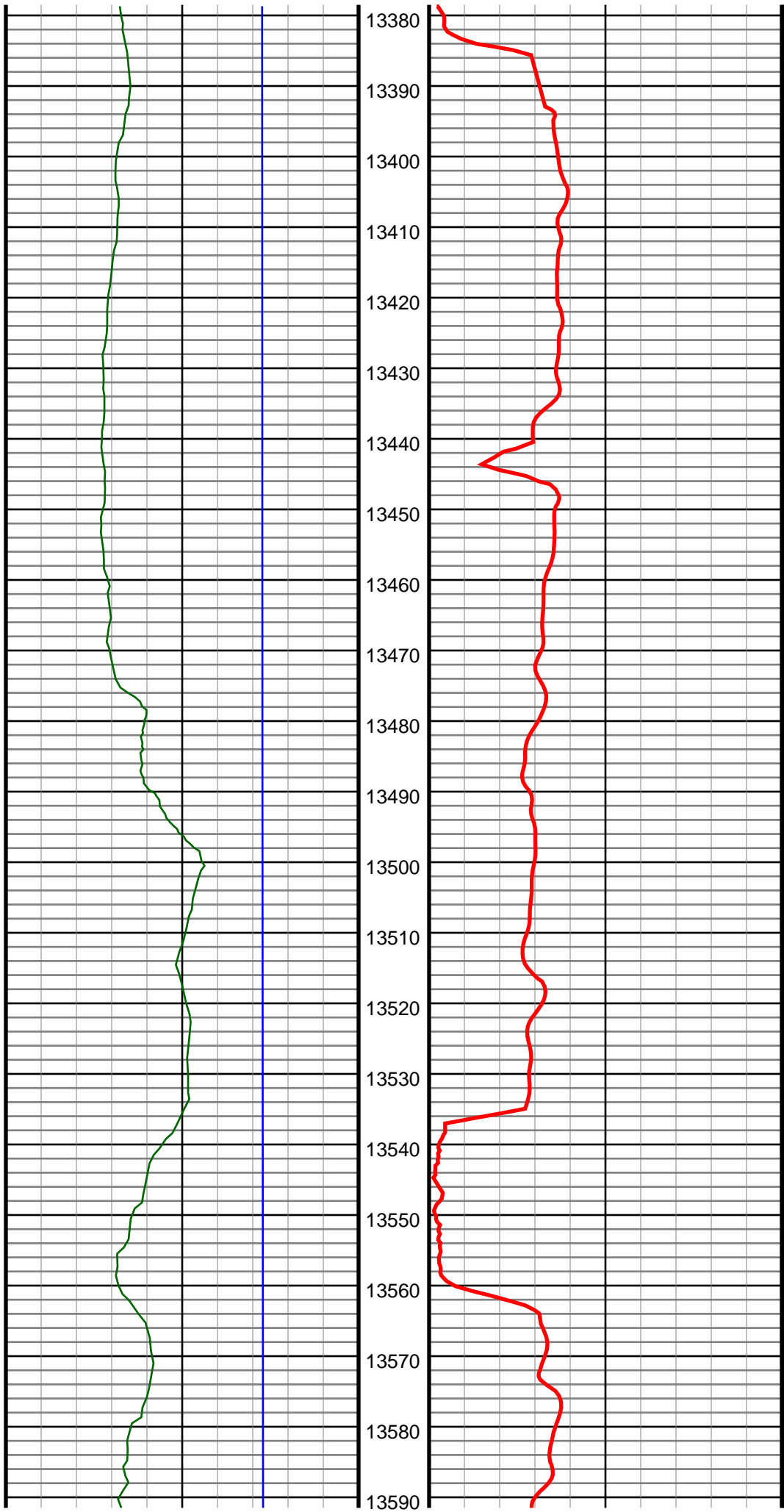
#151 MD(13012.00) Inc(90.7) Azm(268.4) TVD(6873.65)  
VS(6143.63) NS(-985.83) EW(-6065.55) TEMP(0.0)

#152 MD(13105.00) Inc(90.2) Azm(269.0) TVD(6872.92)  
VS(6236.00) NS(-987.94) EW(-6158.53) TEMP(0.0)



#153 MD(13199.00) Inc(90.9) Azm(268.6) TVD(6872.02)  
VS(6329.34) NS(-989.90) EW(-6252.50) TEMP(0.0)

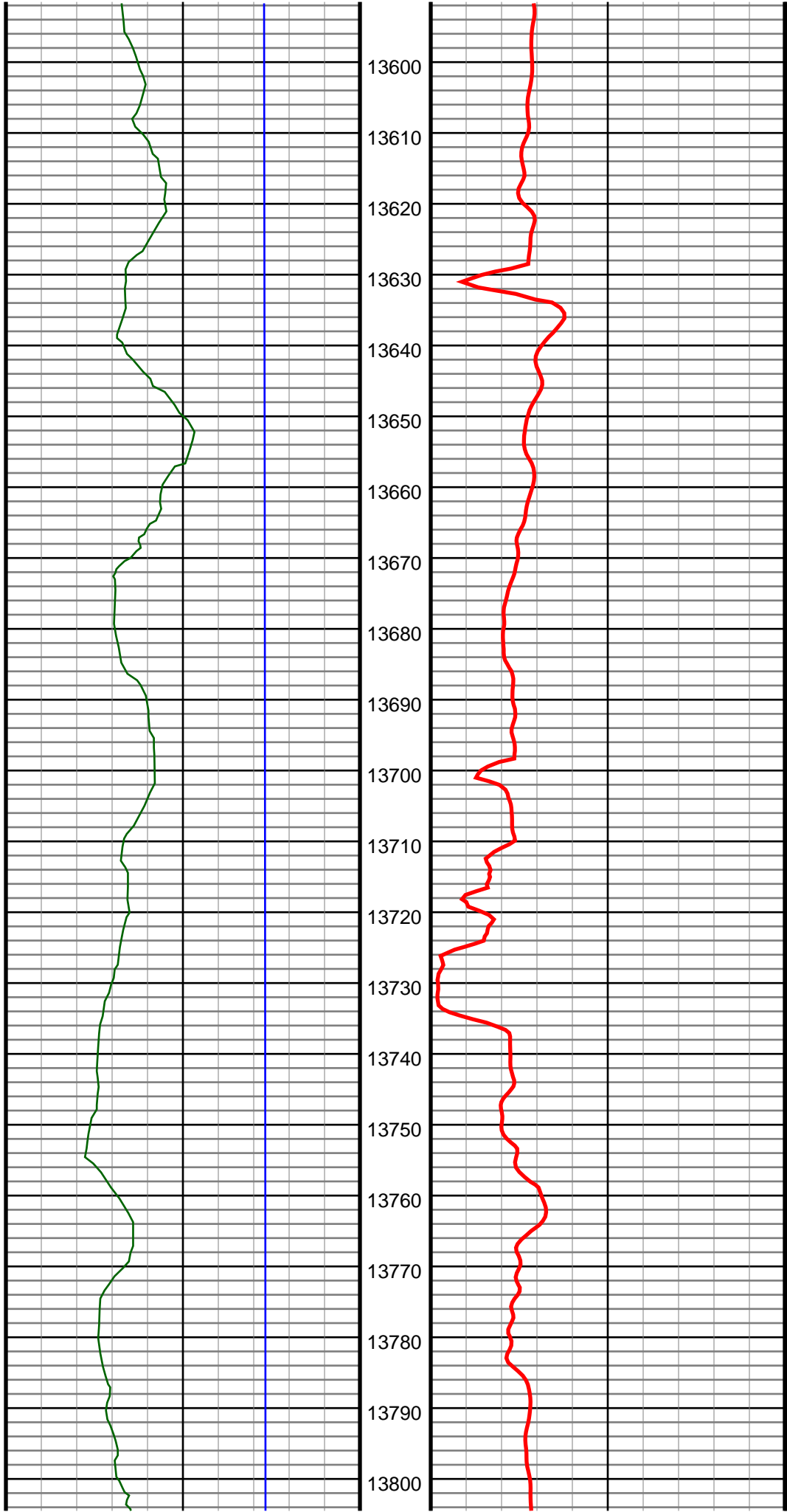
#154 MD(13294.00) Inc(89.9) Azm(268.4) TVD(6871.35)  
VS(6423.73) NS(-992.39) EW(-6347.46) TEMP(0.0)



#155 MD(13388.00) Inc(89.3) Azm(269.9) TVD(6872.01)  
VS(6517.01) NS(-993.78) EW(-6441.45) TEMP(0.0)

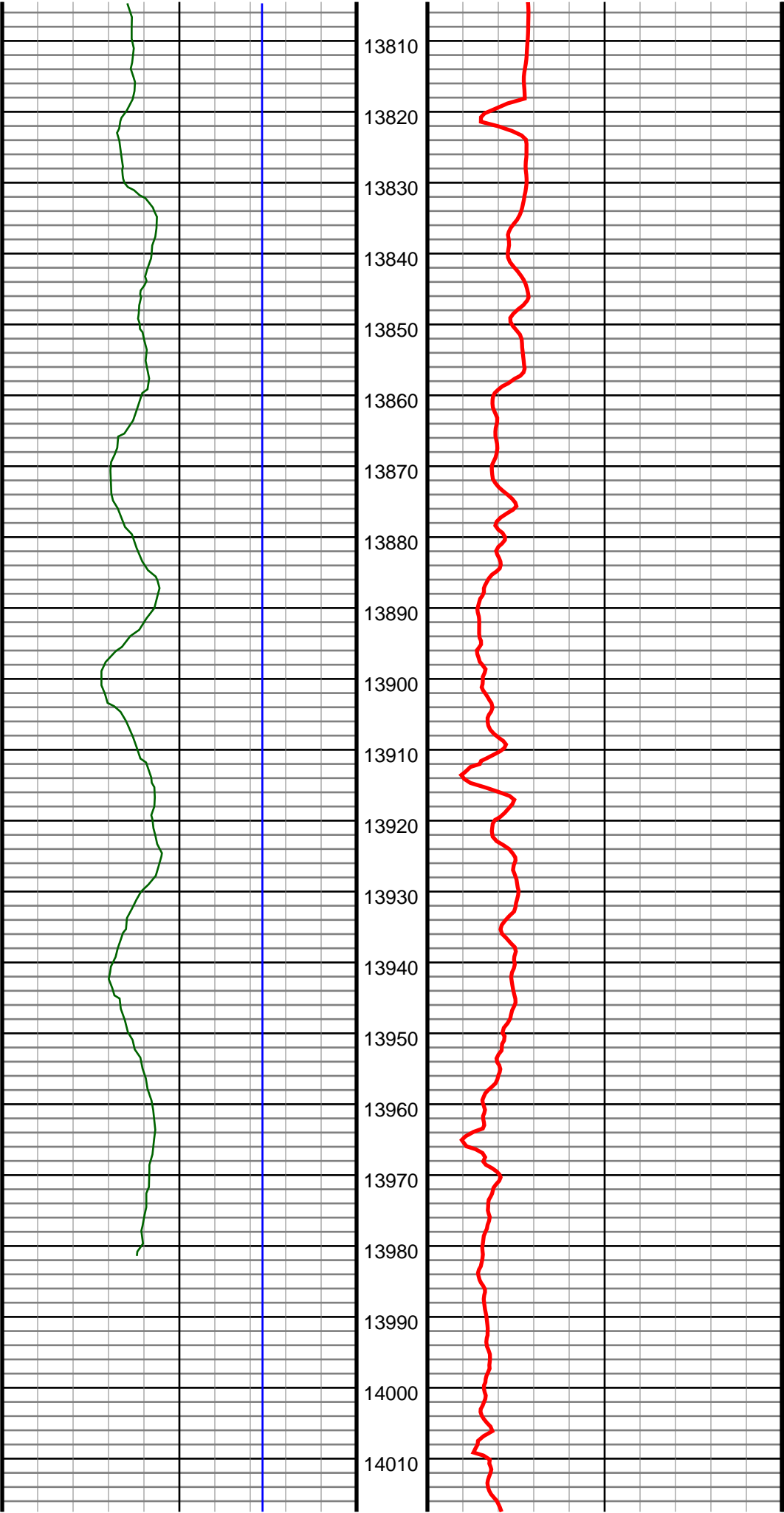
#156 MD(13482.00) Inc(89.7) Azm(269.9) TVD(6872.83)  
VS(6610.12) NS(-993.95) EW(-6535.44) TEMP(0.0)

#157 MD(13576.00) Inc(88.1) Azm(270.9) TVD(6874.63)  
VS(6703.10) NS(-993.29) EW(-6629.42) TEMP(0.0)



#158 MD(13670.00) Inc(88.4) Azm(271.1) TVD(6877.50)  
VS(6795.91) NS(-991.65) EW(-6723.36) TEMP(0.0)

#159 MD(13764.00) Inc(89.3) Azm(270.2) TVD(6879.39)  
VS(6888.83) NS(-990.59) EW(-6817.33) TEMP(0.0)



#160 MD(13858.00) Inc(89.3) Azm(270.7) TVD(6880.54)  
VS(6981.81) NS(-989.85) EW(-6911.32) TEMP(0.0)

#161 MD(13986.00) Inc(89.8) Azm(269.7) TVD(6881.55)  
VS(7108.51) NS(-989.40) EW(-7039.32) TEMP(0.0)

