



# Carlson L-15-16HN

MD  
5":100'

Company: Bayswater Exploration & Production, LLC  
Well Name: CARLSON L-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 Kody Wood

DIR. DRILLER NIGHT Austin Clark

LWD/MWD DAYS Tyler Teague

LWD/MWD NIGHTS Zach Hansberger

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

Depth Start: 860 ft  
End: 14985 ft

Casing Depth Size

Surface: 843 9.63

Intermediate: 7073 7

Mud Type:

Density:

Viscosity:

Elevations

KB: 4643.5

GL: 4621

Rm:

Rmf:

Rmc:

DF: 4643.5

Run Bit Size

Gamma Survey

Start

End

Start

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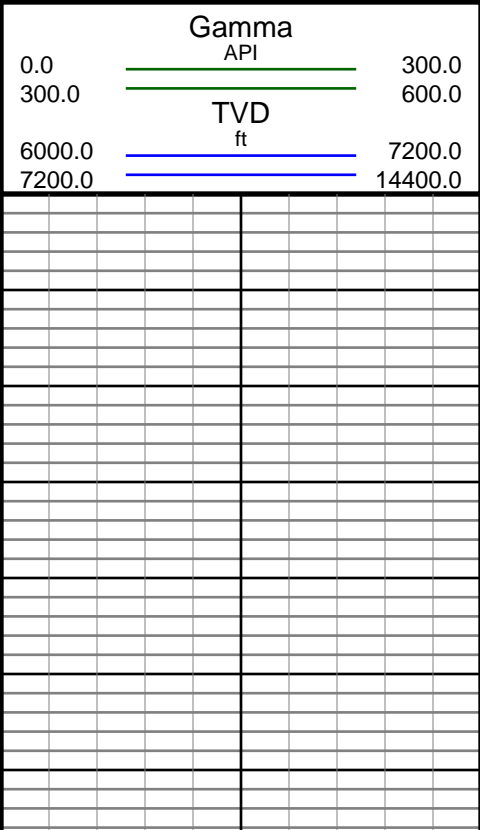
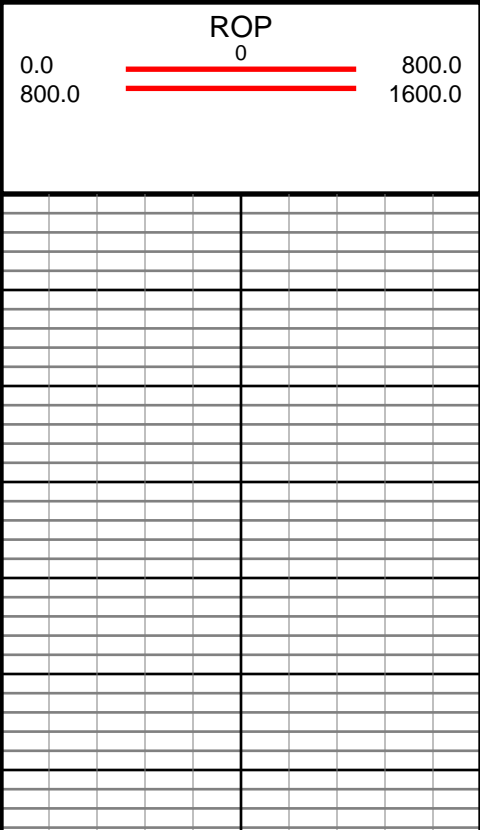
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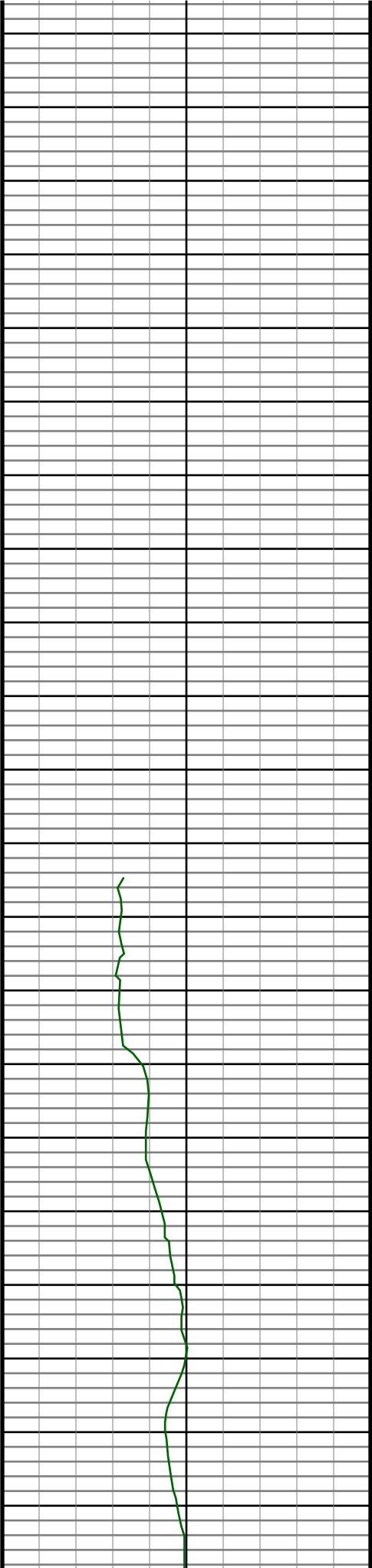
Ensign Directional Services uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.



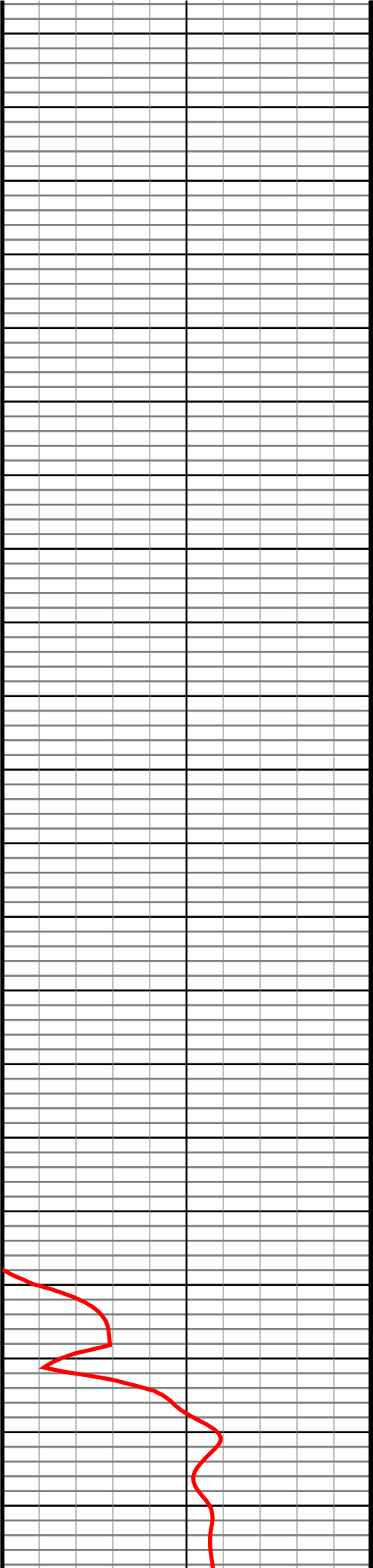






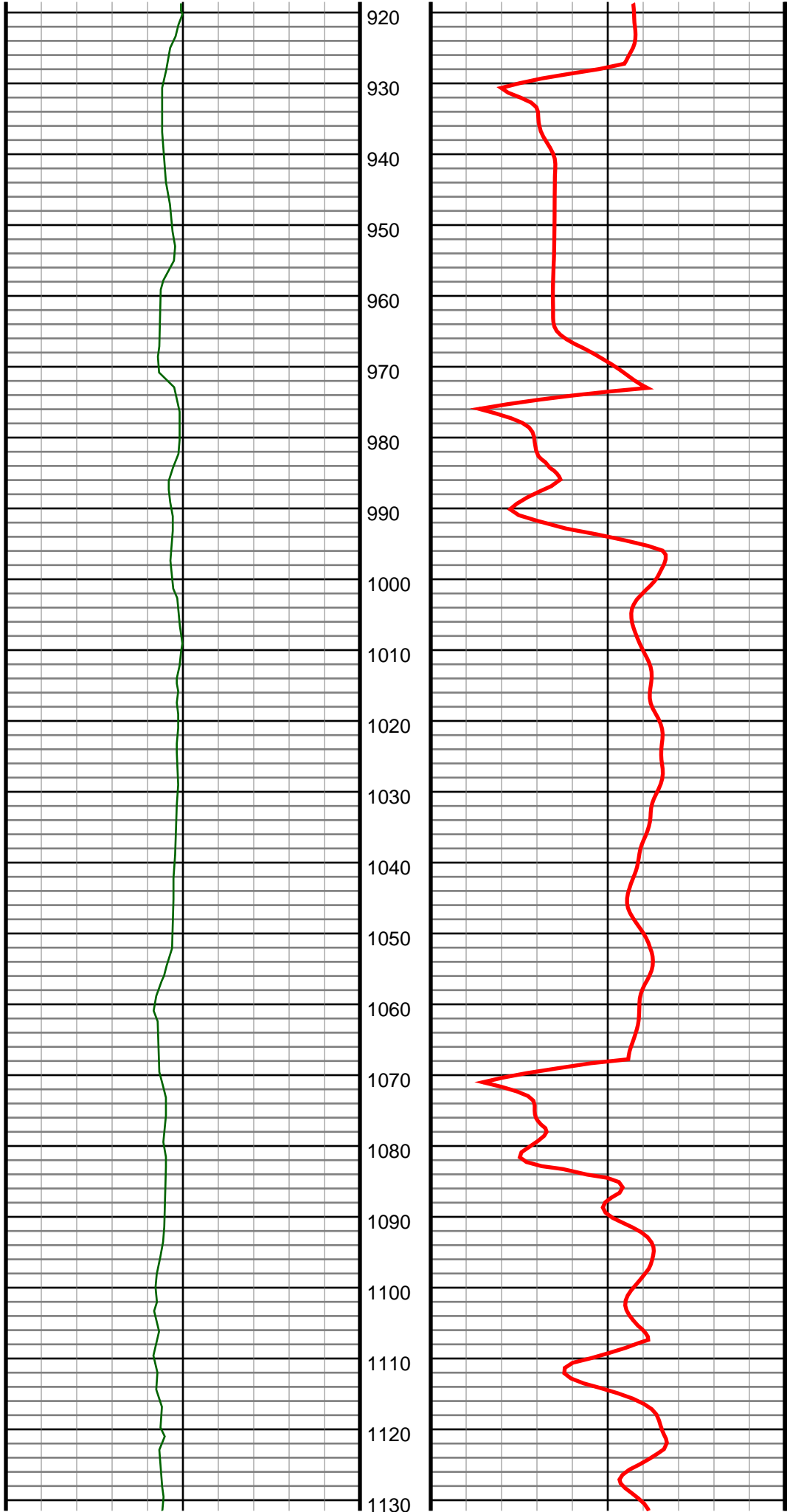


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#7 MD(712.00) Inc(9.4) Azm(171.2) TVD(709.59)  
VS(5.50) NS(-42.47) EW(2.79) TEMP(0.0)

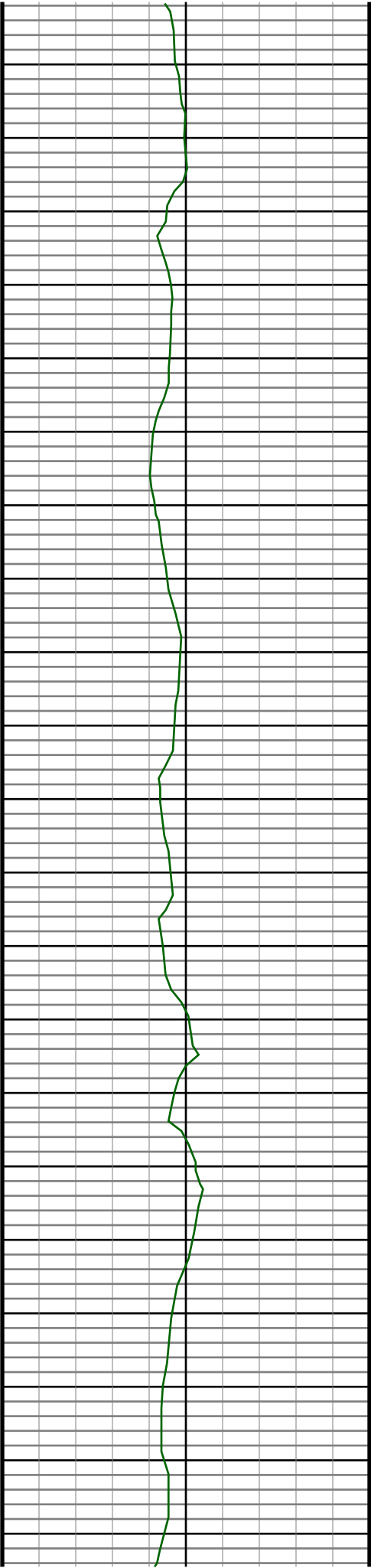
#8 MD(805.00) Inc(10.1) Azm(164.9) TVD(801.25)  
VS(5.27) NS(-57.85) EW(6.08) TEMP(0.0)



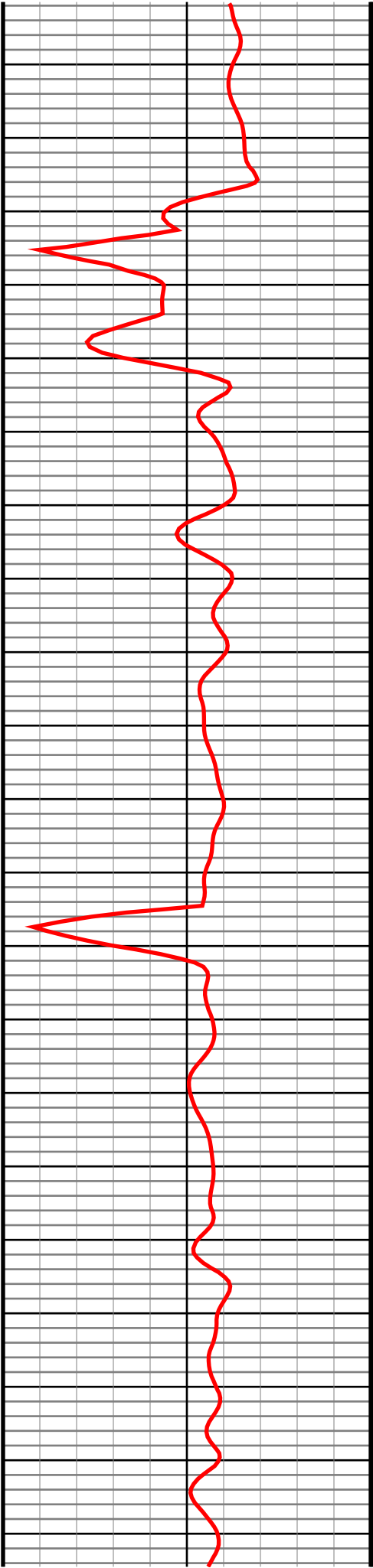
#9 MD(924.00) Inc(10.9) Azm(170.8) TVD(918.26)  
VS(4.94) NS(-79.03) EW(10.59) TEMP(0.0)

#10 MD(1019.00) Inc(13.6) Azm(171.7) TVD(1011.09)  
VS(5.82) NS(-98.95) EW(13.64) TEMP(0.0)

#11 MD(1114.00) Inc(14.9) Azm(170.1) TVD(1103.16)  
VS(6.66) NS(-122.04) EW(17.35) TEMP(0.0)

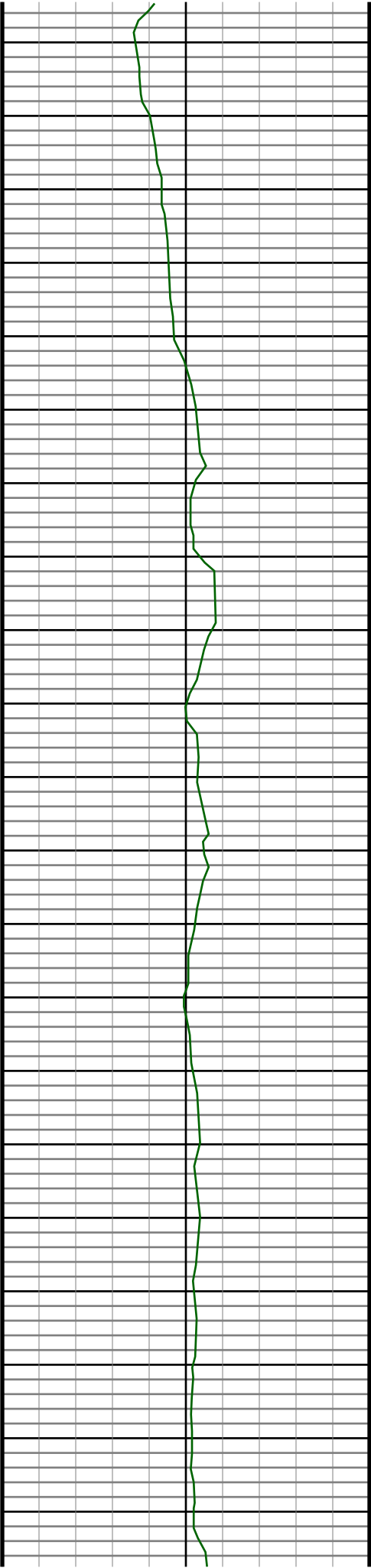


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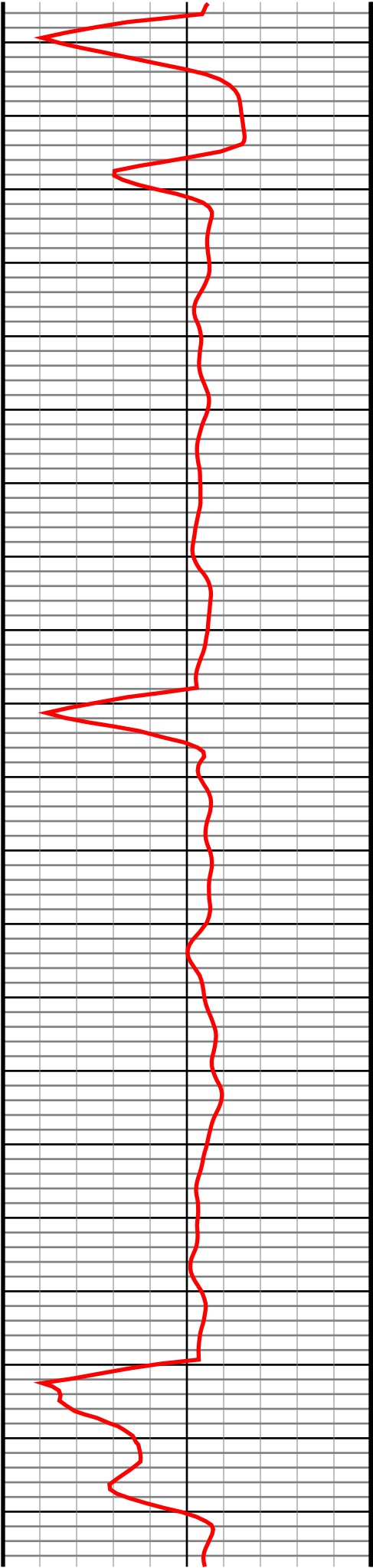


#12 MD(1206.00) Inc(16.4) Azm(167.0) TVD(1191.75)  
VS(6.51) NS(-146.35) EW(22.31) TEMP(0.0)

#13 MD(1298.00) Inc(16.4) Azm(166.1) TVD(1280.01)  
VS(5.49) NS(-171.61) EW(28.35) TEMP(0.0)



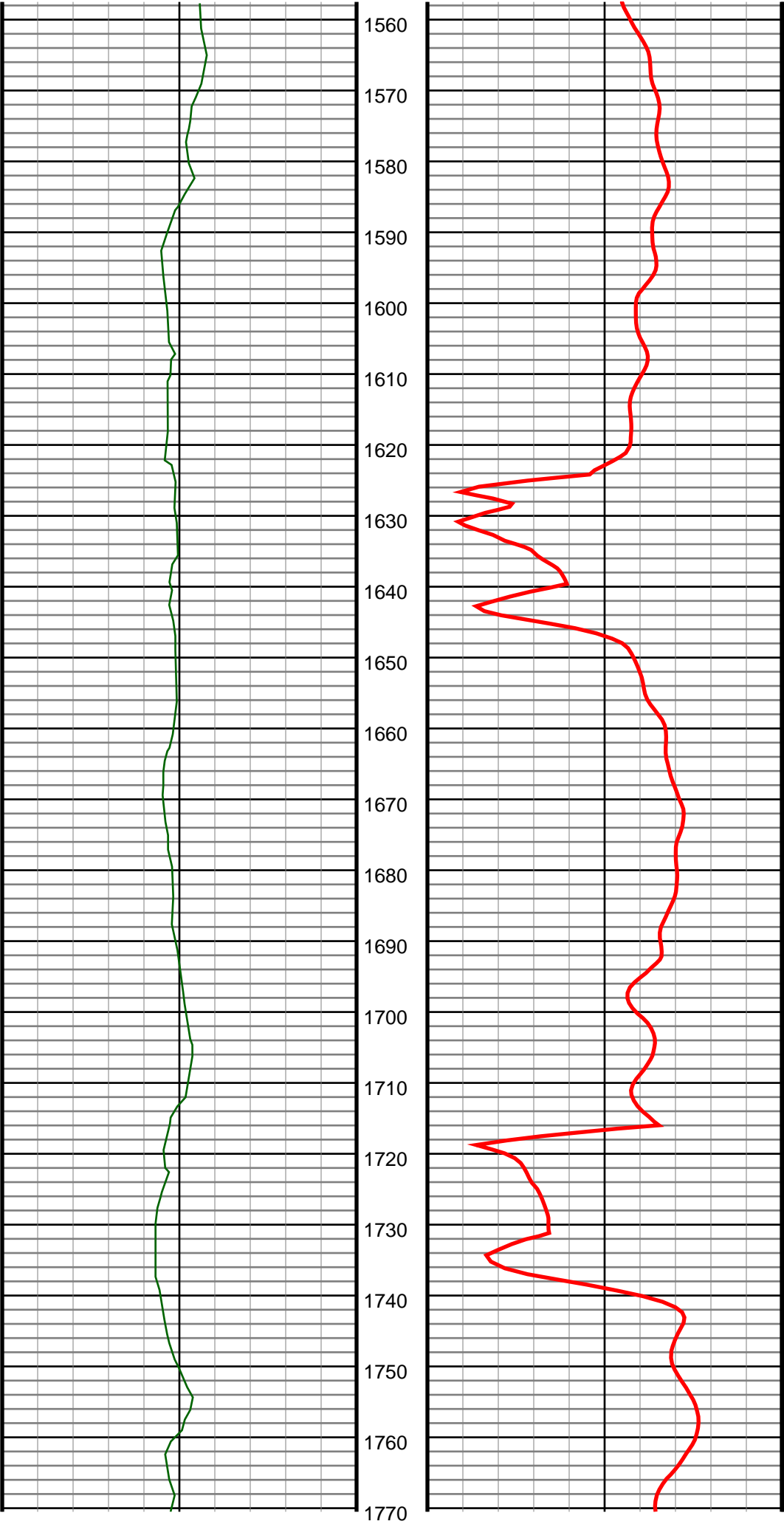
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#14 MD(1391.00) Inc(16.4) Azm(165.5) TVD(1369.23)  
VS(4.11) NS(-197.06) EW(34.79) TEMP(0.0)

#15 MD(1483.00) Inc(15.3) Azm(163.8) TVD(1457.73)  
VS(2.30) NS(-221.30) EW(41.43) TEMP(0.0)

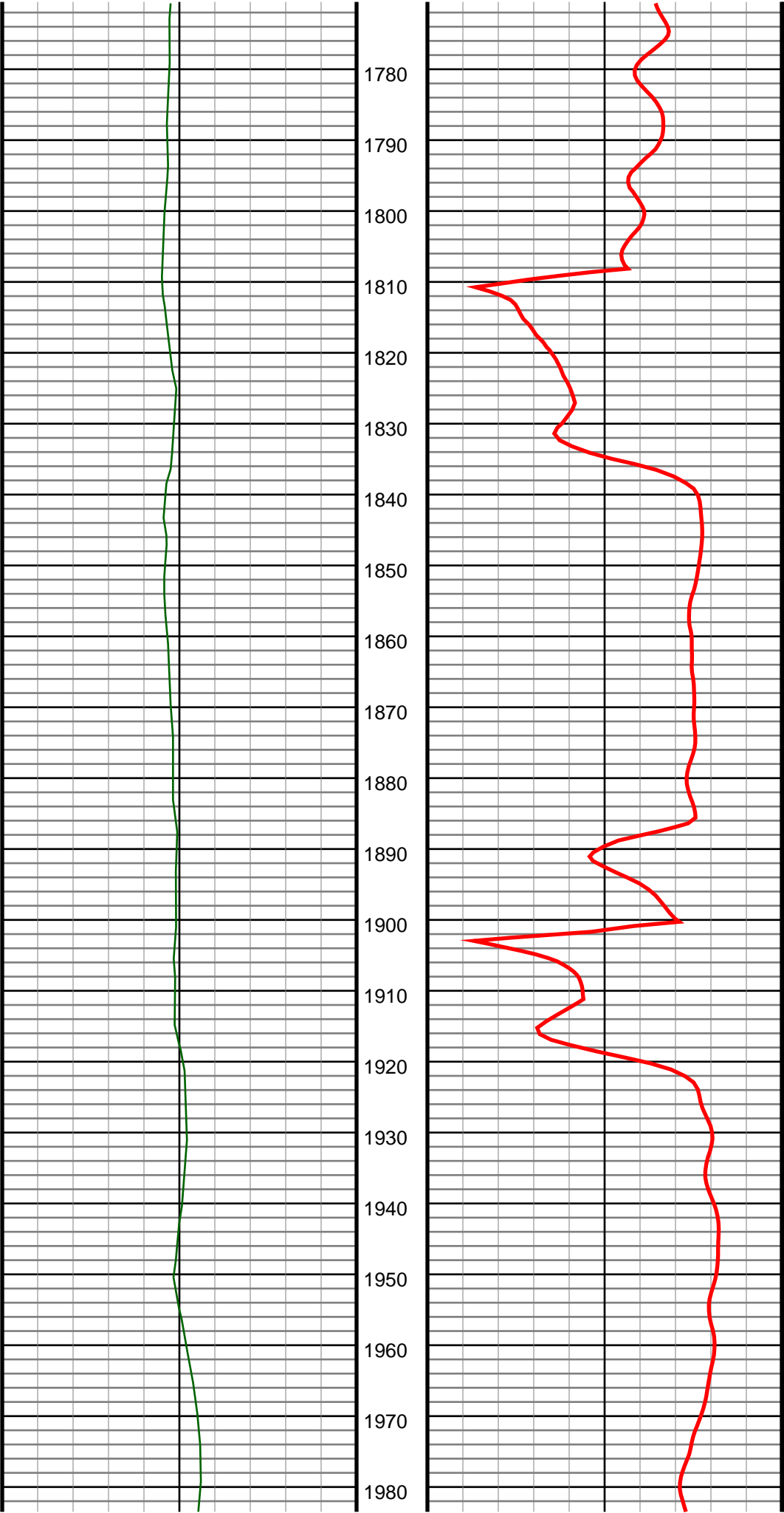




#16 MD(1575.00) Inc(15.6) Azm(163.1) TVD(1546.40)  
VS(0.01) NS(-244.79) EW(48.41) TEMP(0.0)

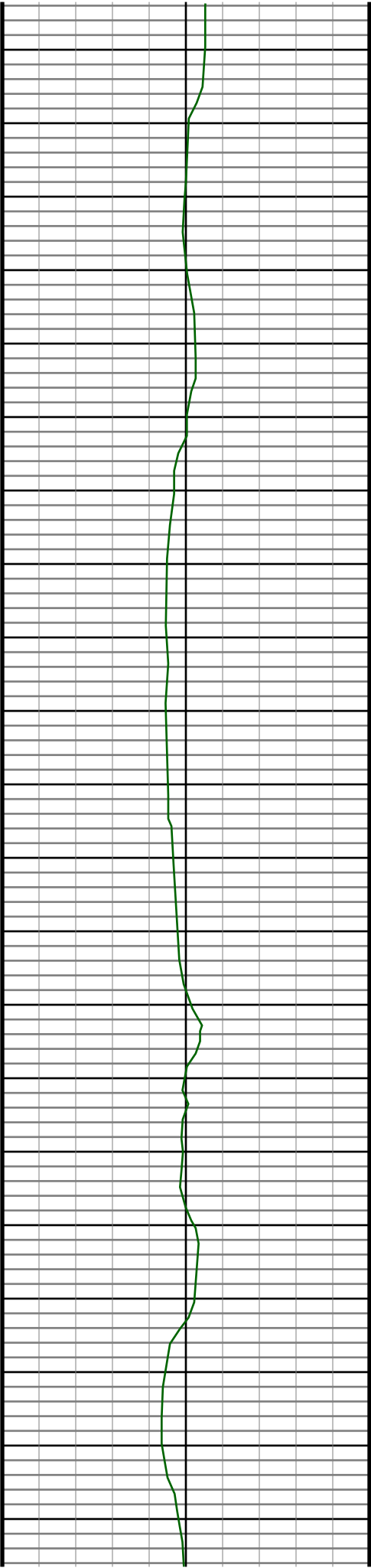
#17 MD(1667.00) Inc(15.5) Azm(165.0) TVD(1635.04)  
VS(-2.04) NS(-268.50) EW(55.19) TEMP(0.0)

#18 MD(1759.00) Inc(15.8) Azm(165.9) TVD(1723.63)  
VS(-3.49) NS(-292.52) EW(61.43) TEMP(0.0)

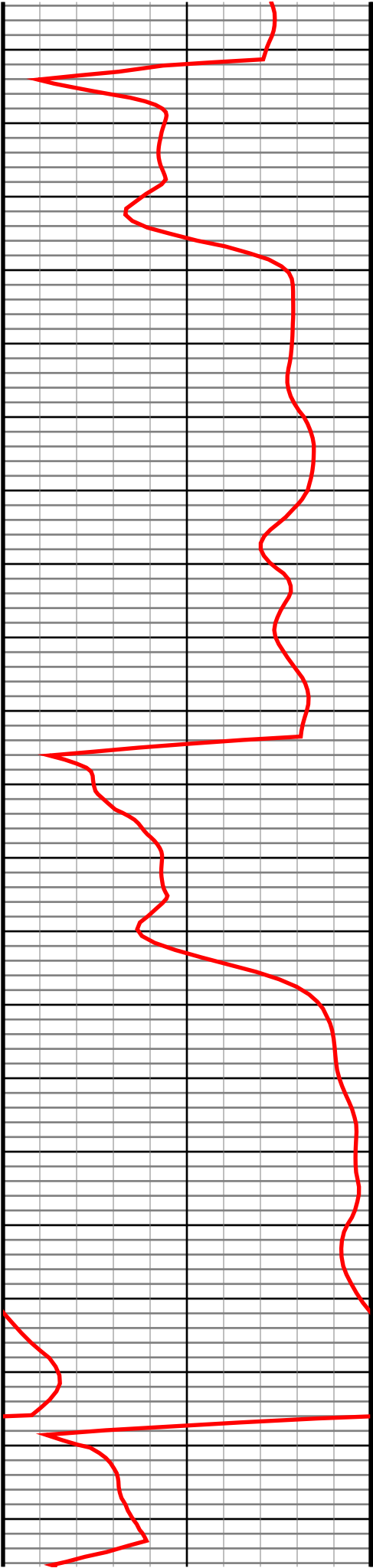


#19 MD(1851.00) Inc(17.1) Azm(163.3) TVD(1811.86)  
VS(-5.42) NS(-317.62) EW(68.36) TEMP(0.0)

#20 MD(1943.00) Inc(16.8) Azm(162.2) TVD(1899.86)  
VS(-8.25) NS(-343.24) EW(76.31) TEMP(0.0)

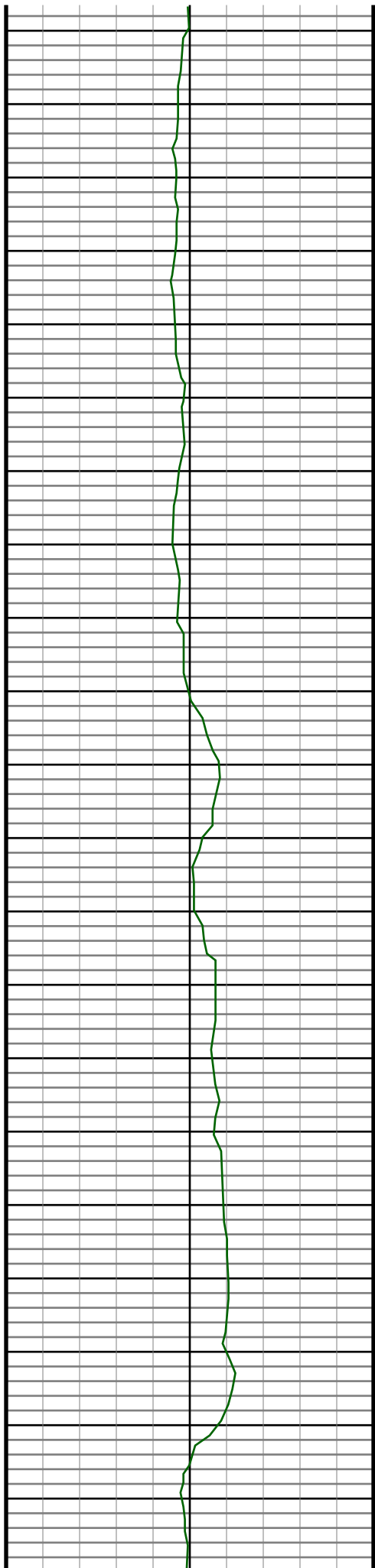


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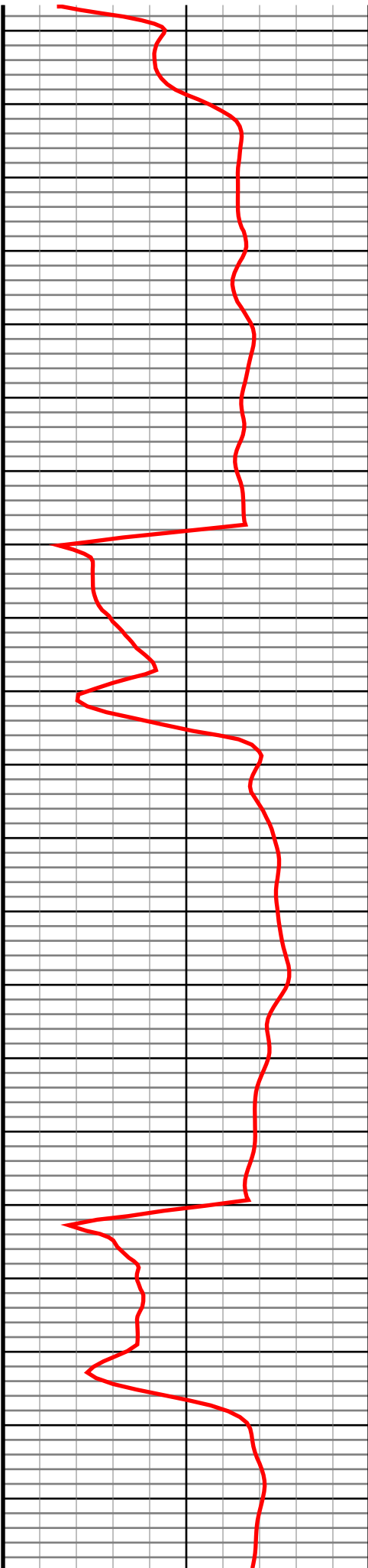


#21 MD(2035.00) Inc(16.5) Azm(165.9) TVD(1988.01)  
VS(-10.45) NS(-368.57) EW(83.56) TEMP(0.0)

#22 MD(2127.00) Inc(17.5) Azm(166.6) TVD(2075.99)  
VS(-11.64) NS(-394.70) EW(89.95) TEMP(0.0)



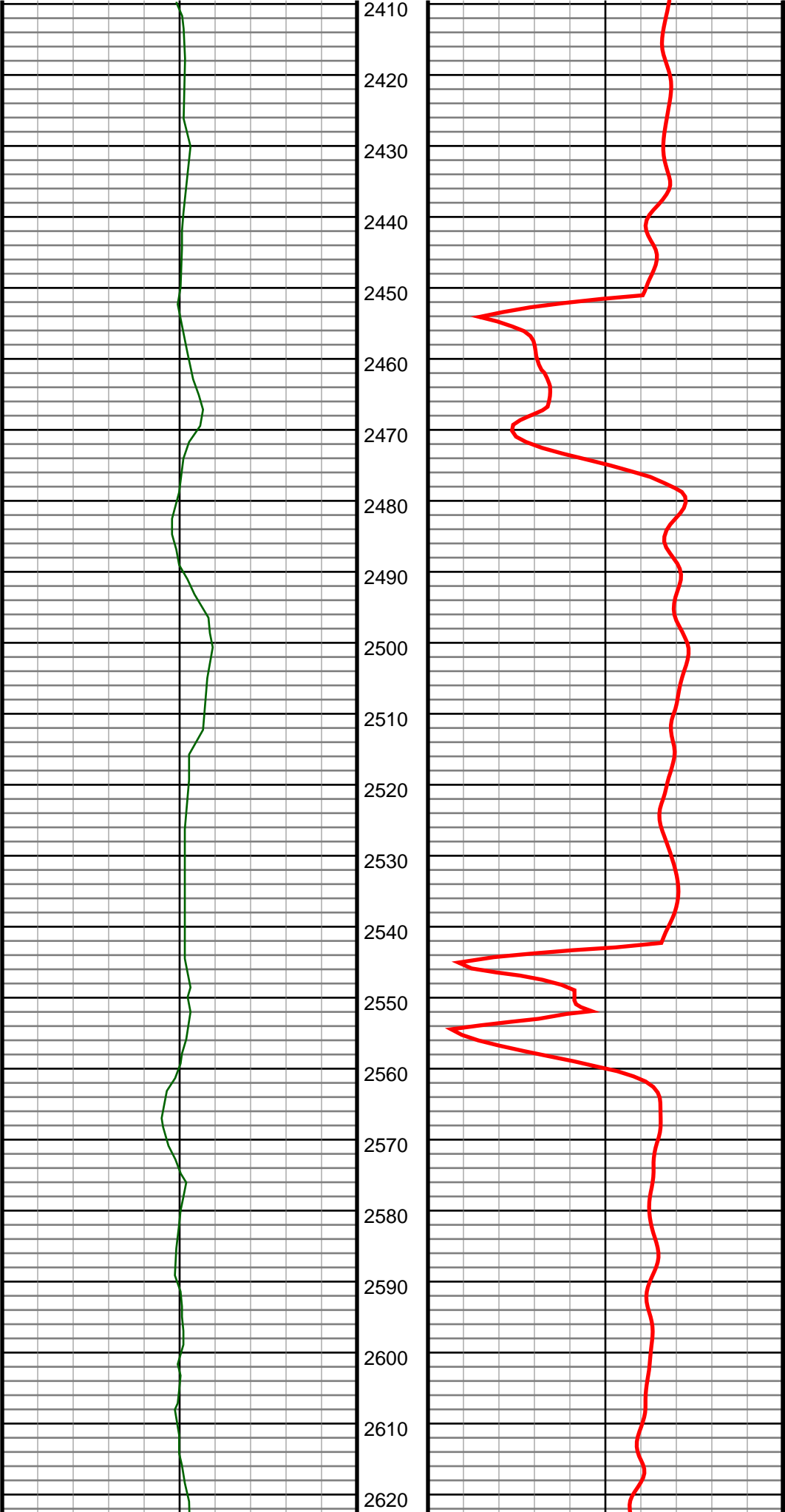
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#23 MD(2219.00) Inc(17.3) Azm(167.1) TVD(2163.78)  
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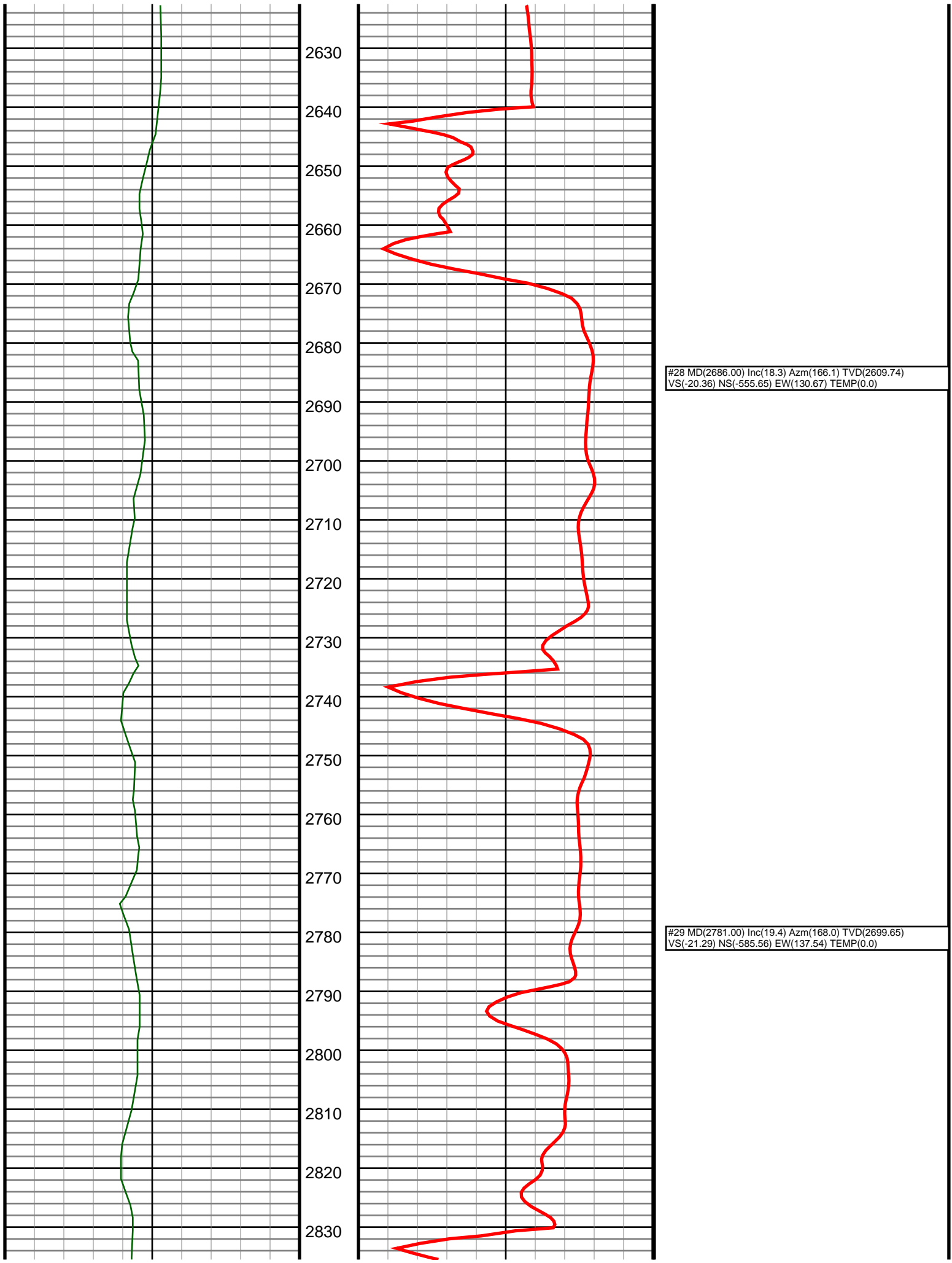
#24 MD(2311.00) Inc(16.9) Azm(166.2) TVD(2251.71)  
VS(-13.60) NS(-447.81) EW(102.45) TEMP(0.0)

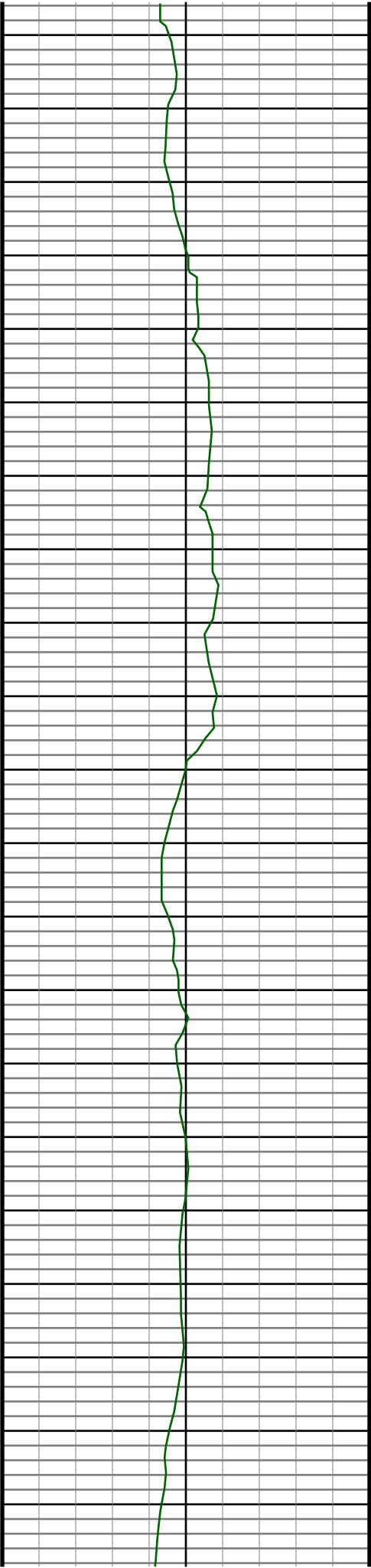
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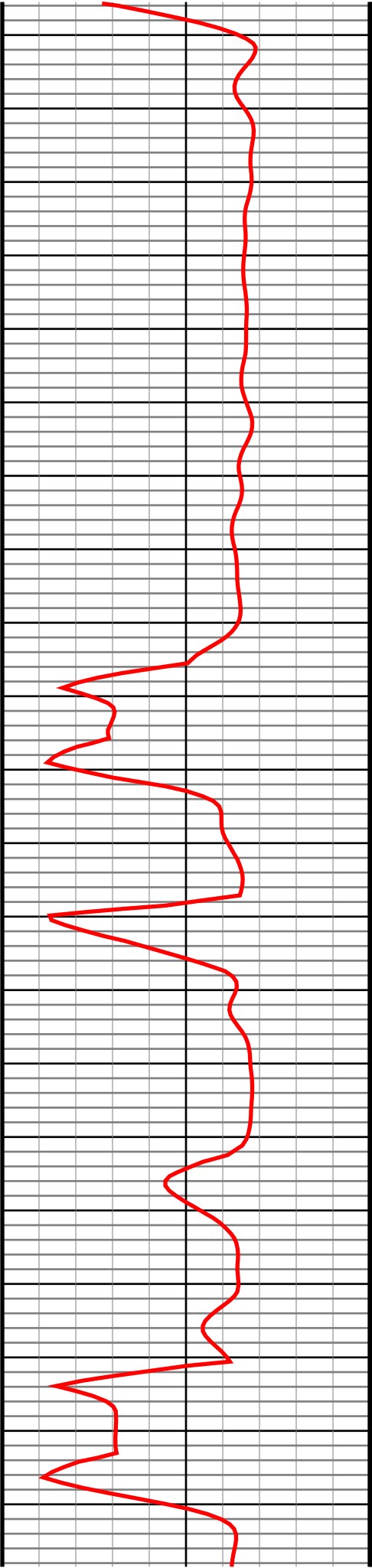
#26 MD(2496.00) Inc(17.9) Azm(165.4) TVD(2428.29)  
VS(-16.02) NS(-501.40) EW(115.52) TEMP(0.0)

#27 MD(2591.00) Inc(16.4) Azm(162.9) TVD(2519.07)  
VS(-18.27) NS(-528.35) EW(123.15) TEMP(0.0)



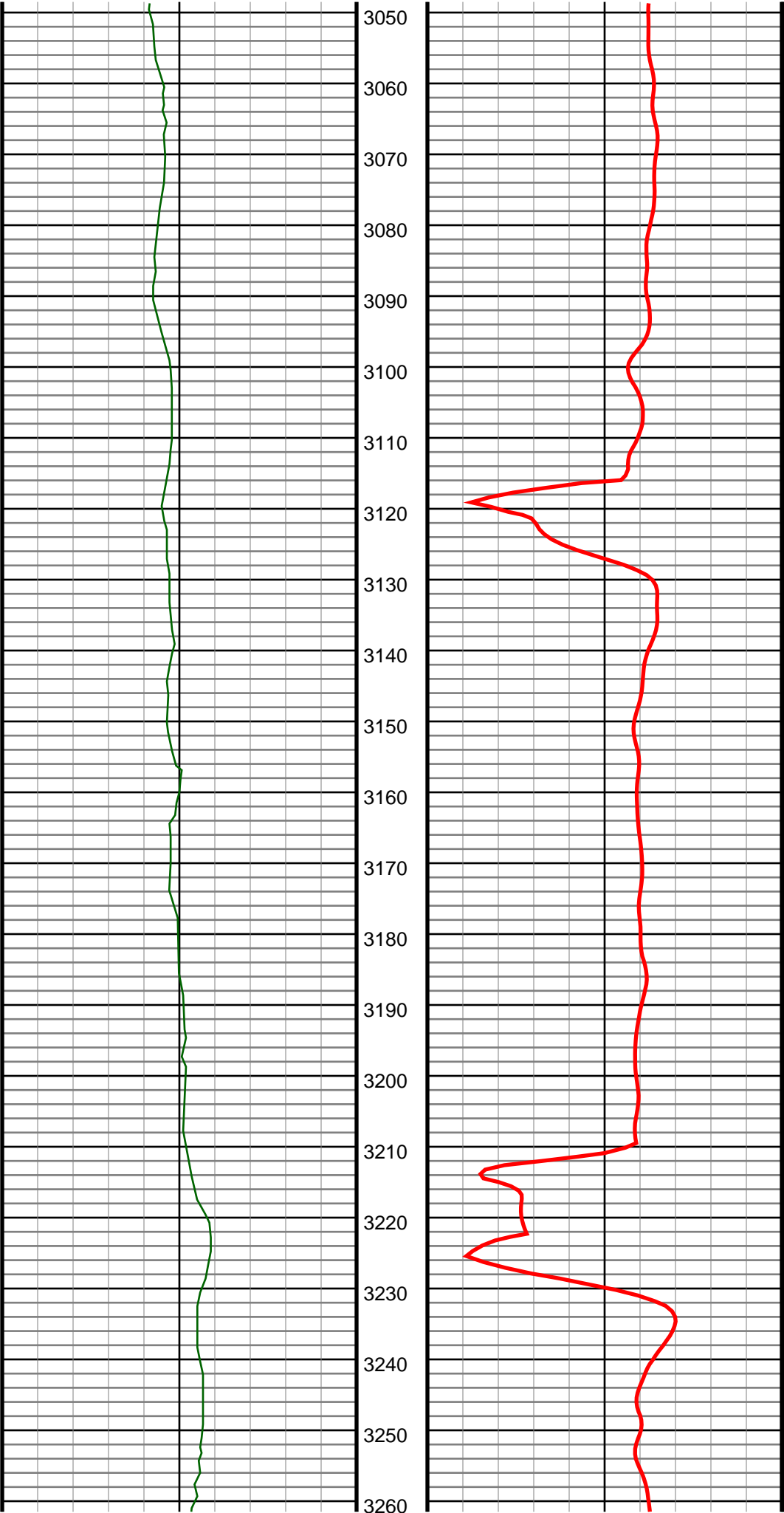


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#30 MD(2876.00) Inc(19.3) Azm(166.1) TVD(2789.28)  
VS(-22.25) NS(-616.23) EW(144.59) TEMP(0.0)

#31 MD(2972.00) Inc(17.4) Azm(168.2) TVD(2880.40)  
VS(-23.16) NS(-645.68) EW(151.34) TEMP(0.0)

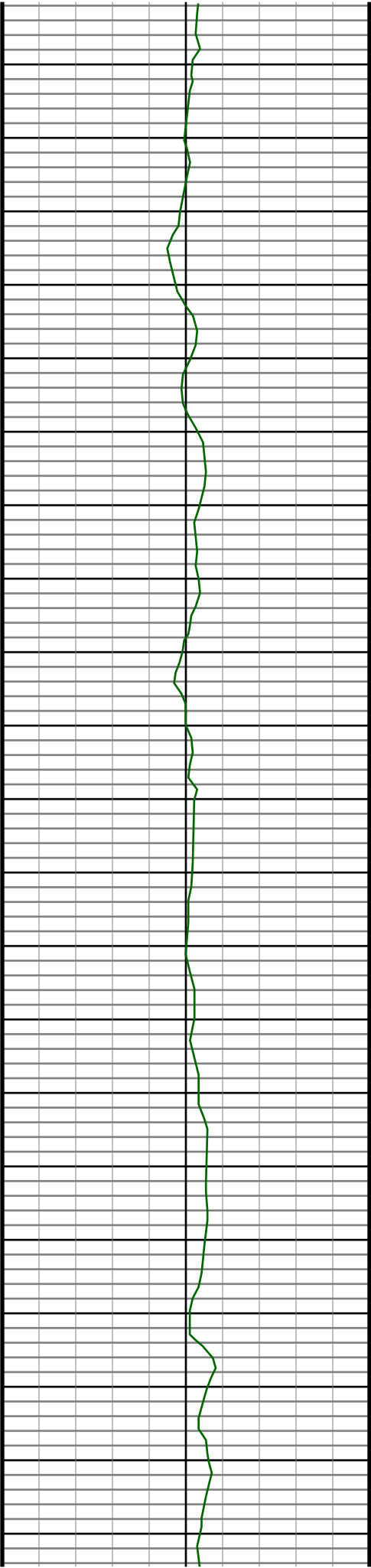


#32 MD(3067.00) Inc(18.4) Azm(167.1) TVD(2970.80)  
VS(-23.76) NS(-674.20) EW(157.59) TEMP(0.0)

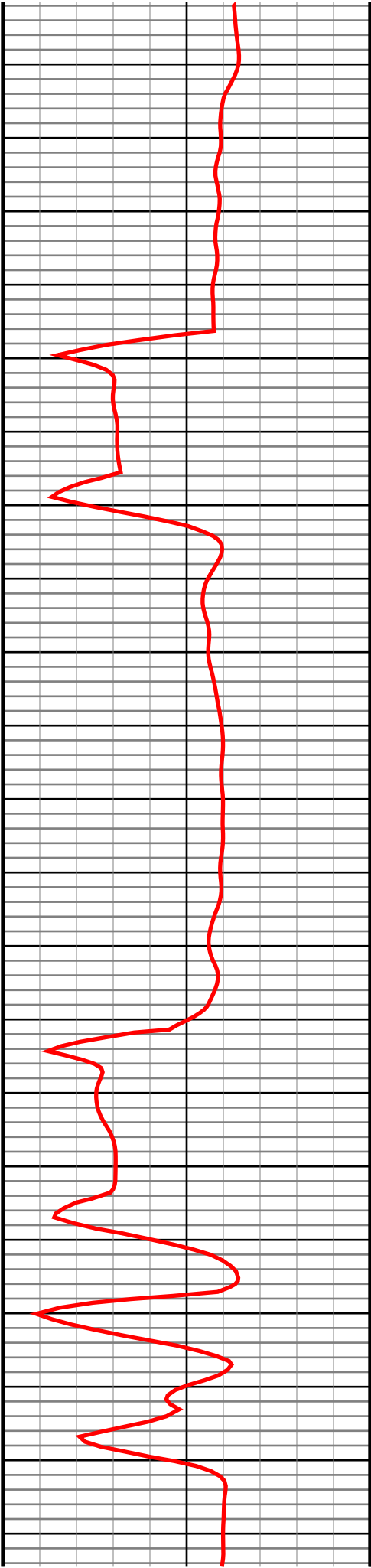
#33 MD(3162.00) Inc(16.5) Azm(164.5) TVD(3061.42)  
VS(-25.22) NS(-701.82) EW(164.54) TEMP(0.0)

#34 MD(3257.00) Inc(14.6) Azm(162.7) TVD(3152.94)  
VS(-27.51) NS(-726.26) EW(171.71) TEMP(0.0)



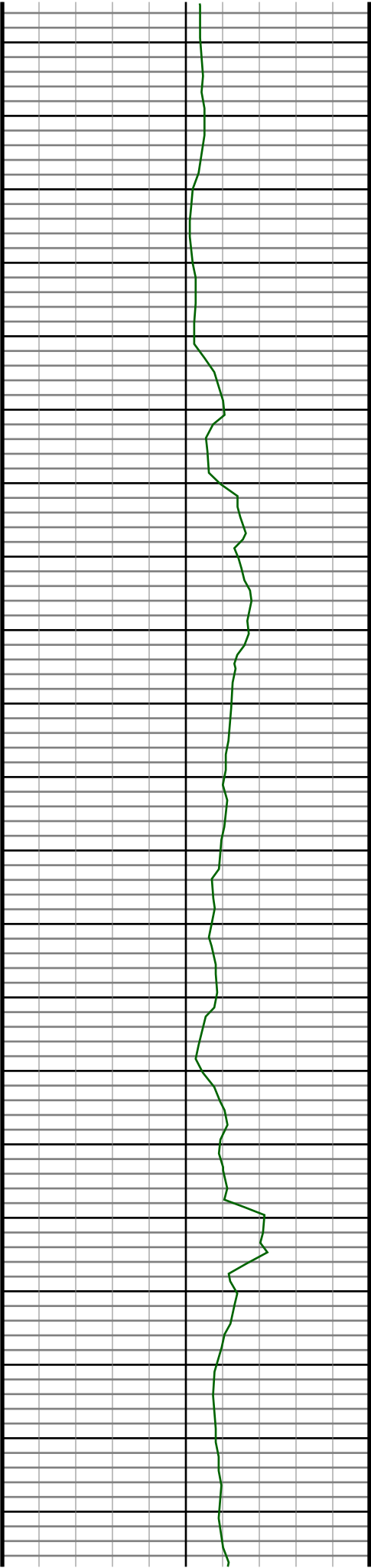


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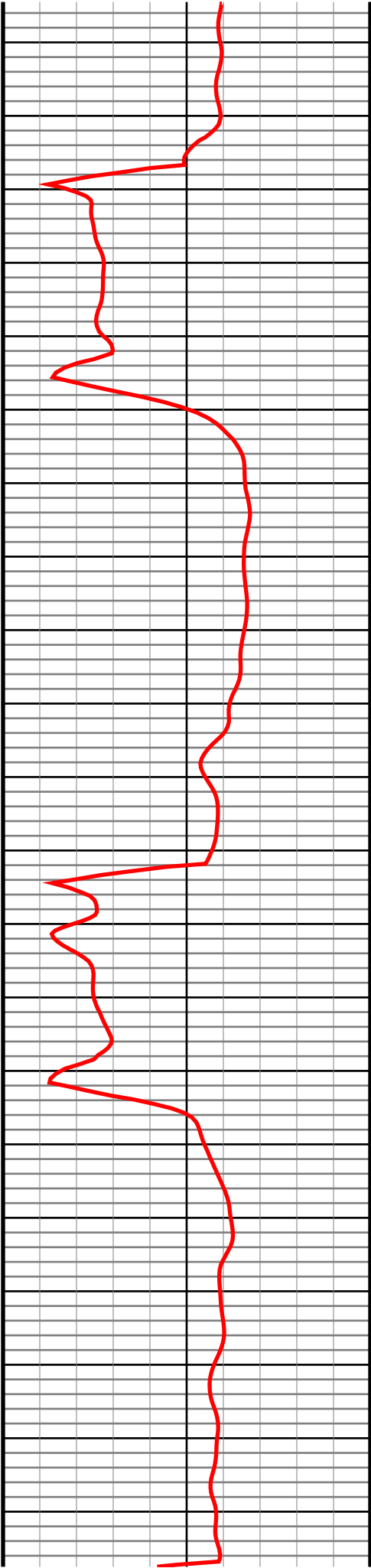


#35 MD(3352.00) Inc(14.7) Azm(165.0) TVD(3244.85)  
VS(-29.58) NS(-749.33) EW(178.39) TEMP(0.0)

#36 MD(3447.00) Inc(14.9) Azm(163.4) TVD(3336.70)  
VS(-31.53) NS(-772.68) EW(185.00) TEMP(0.0)

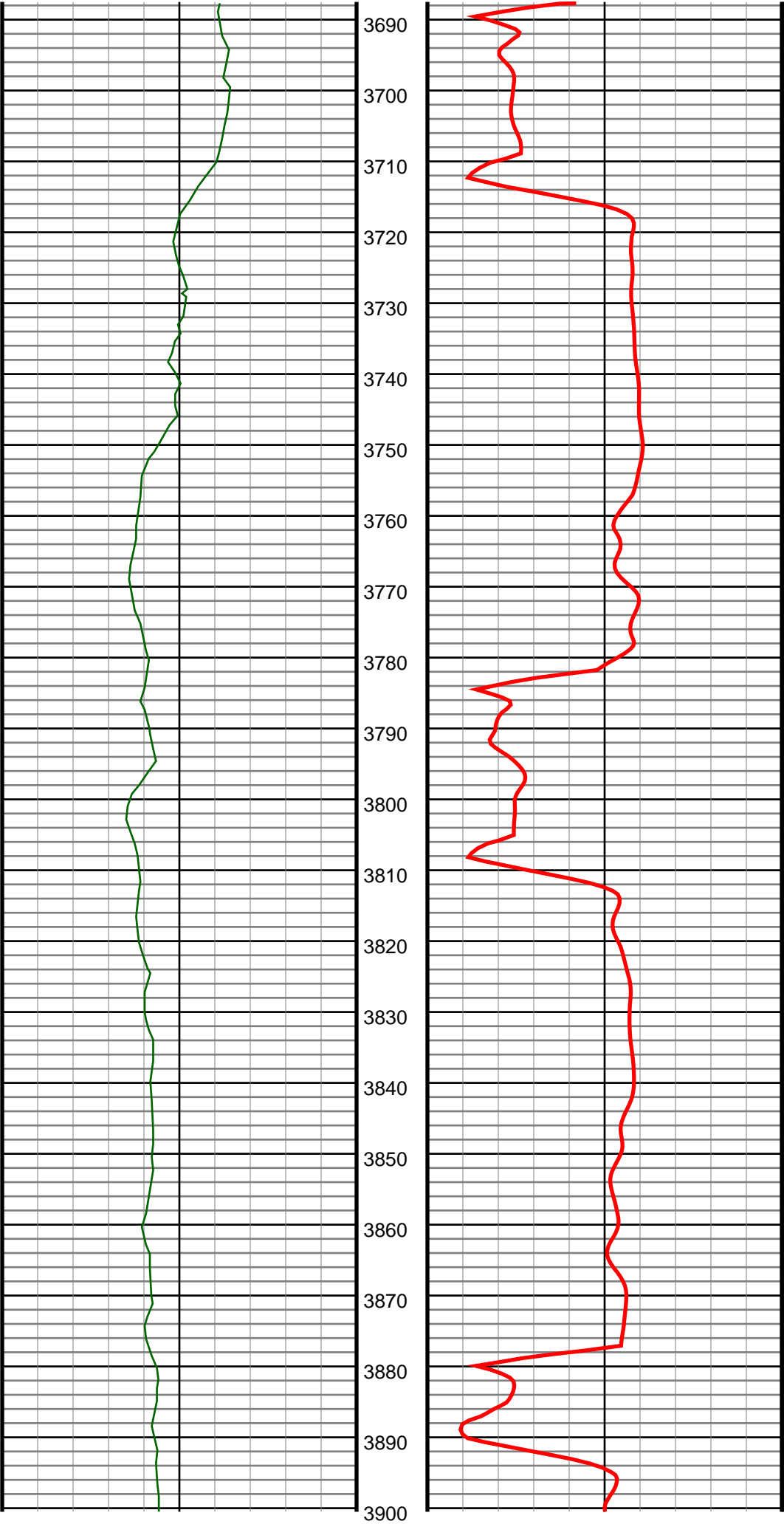


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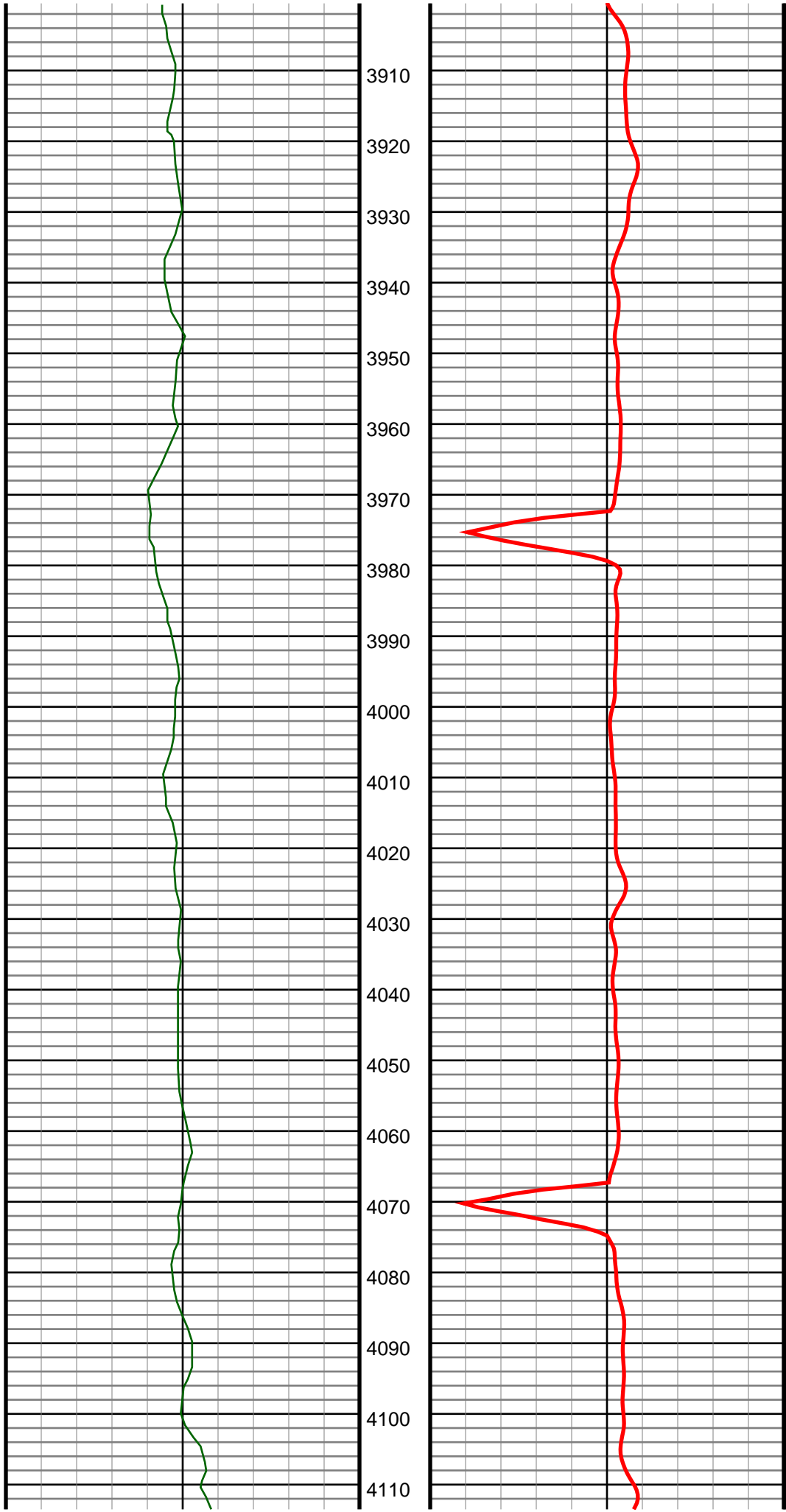
#37 MD(3543.00) Inc(14.9) Azm(164.5) TVD(3429.47)  
VS(-33.62) NS(-796.40) EW(191.82) TEMP(0.0)

#38 MD(3638.00) Inc(15.7) Azm(161.1) TVD(3521.11)  
VS(-36.27) NS(-820.33) EW(199.25) TEMP(0.0)



#39 MD(3733.00) Inc(15.6) Azm(165.4) TVD(3612.59)  
VS(-38.75) NS(-844.85) EW(206.63) TEMP(0.0)

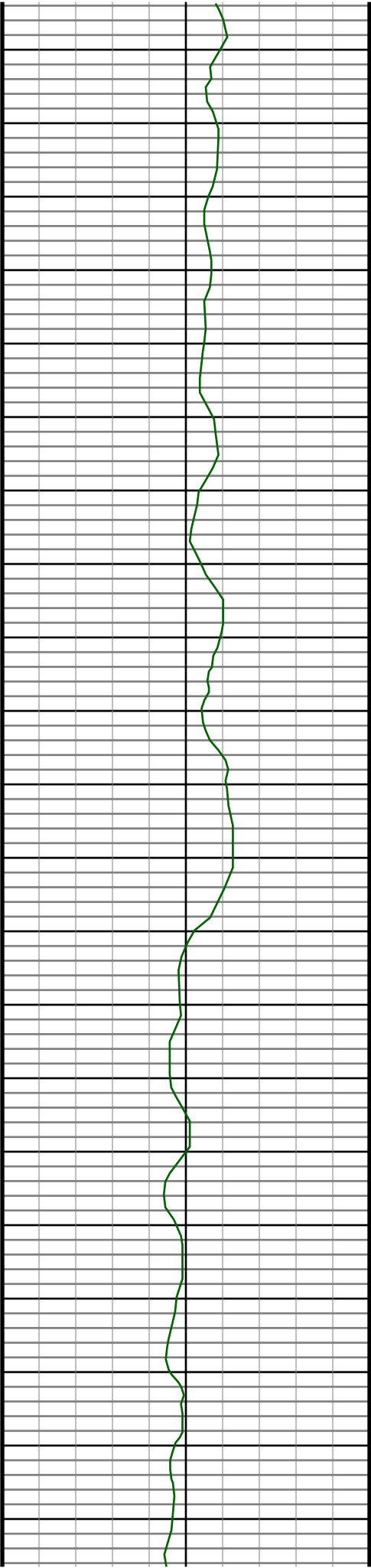
#40 MD(3828.00) Inc(18.1) Azm(171.5) TVD(3703.51)  
VS(-38.82) NS(-871.82) EW(212.04) TEMP(0.0)



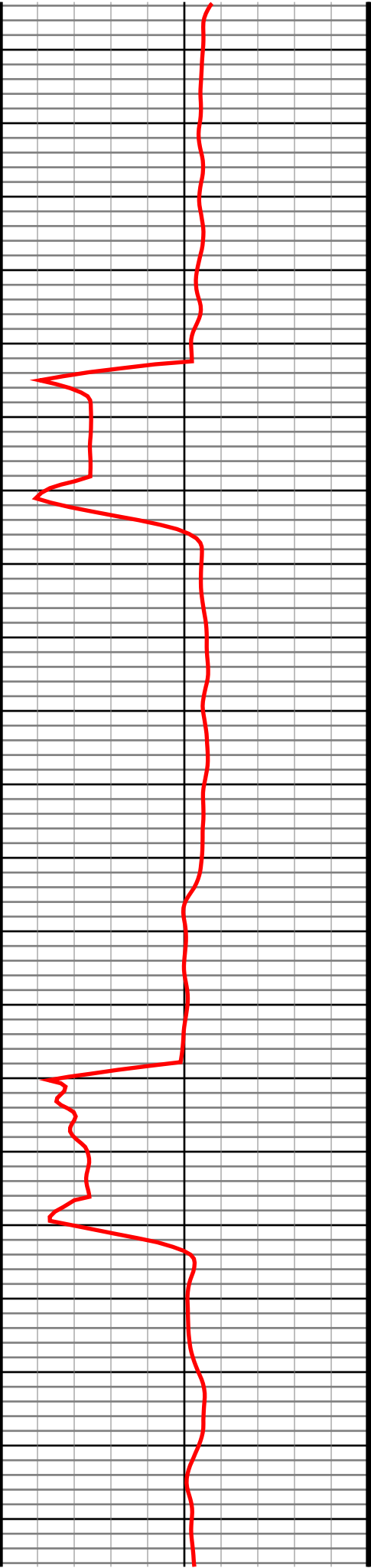
#41 MD(3923.00) Inc(19.1) Azm(166.1) TVD(3793.55)  
VS(-38.86) NS(-901.50) EW(217.95) TEMP(0.0)

#42 MD(4018.00) Inc(20.2) Azm(165.9) TVD(3883.02)  
VS(-40.43) NS(-932.50) EW(225.68) TEMP(0.0)

#43 MD(4113.00) Inc(18.6) Azm(163.1) TVD(3972.63)  
VS(-42.77) NS(-962.90) EW(234.08) TEMP(0.0)

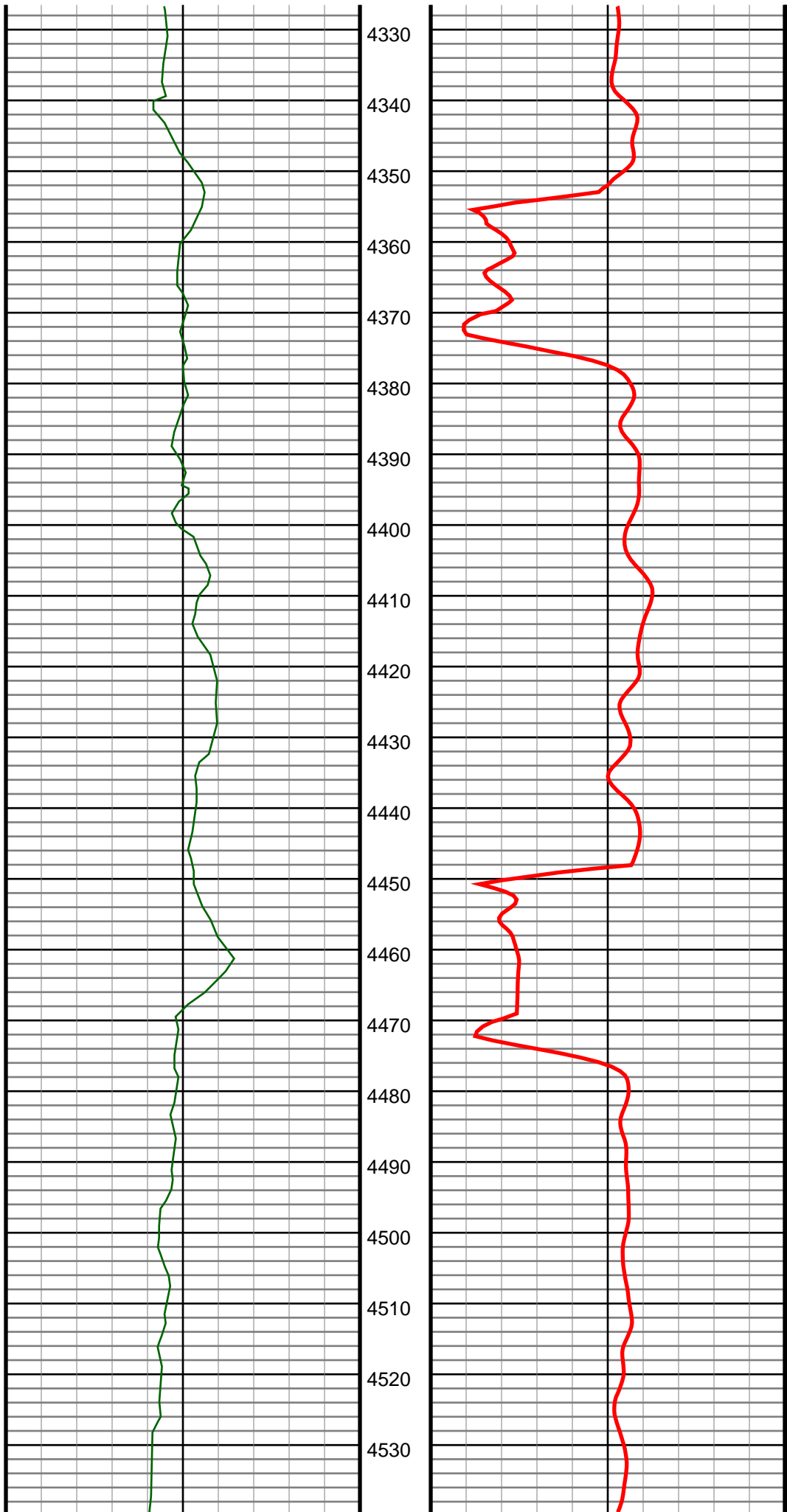


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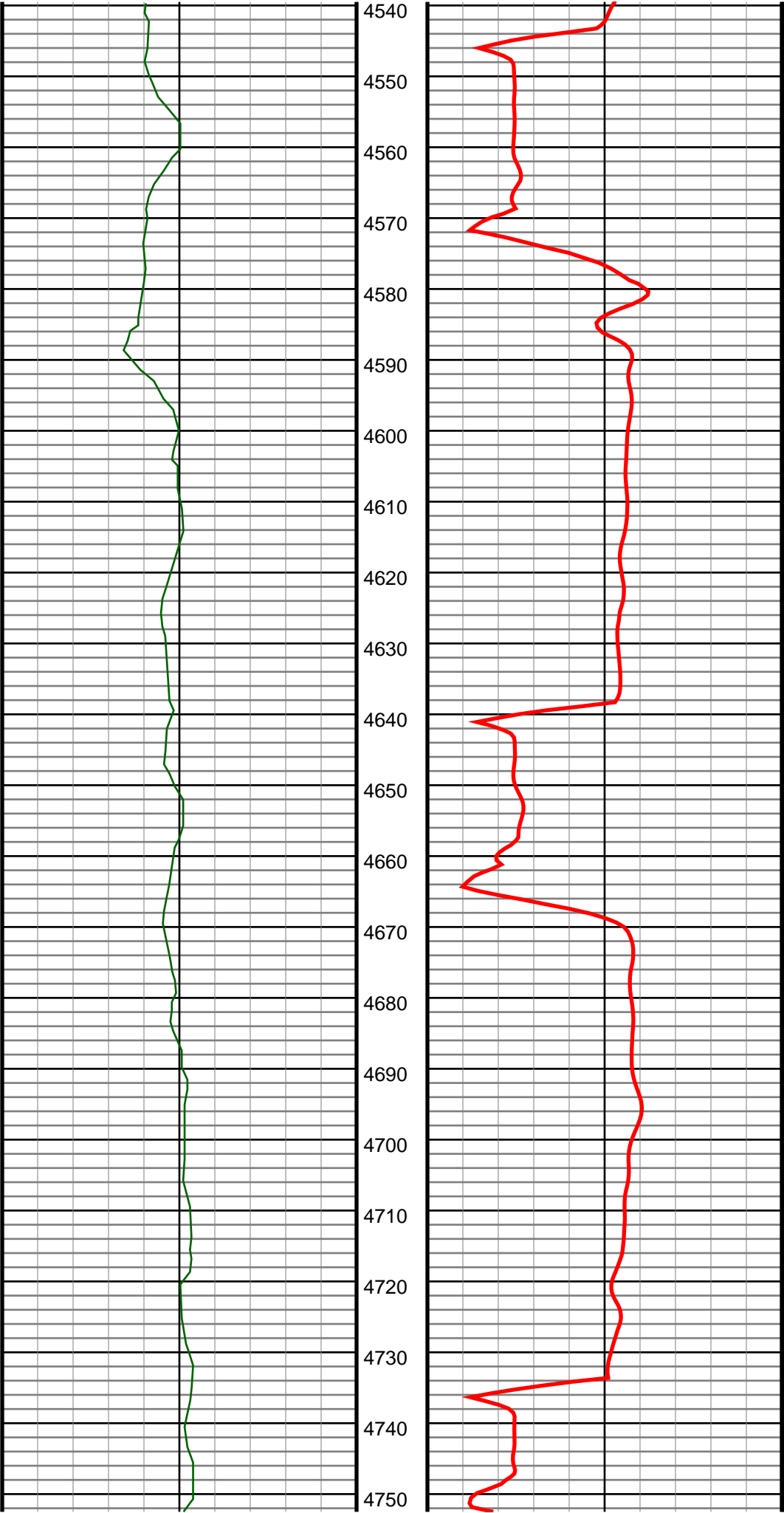
#44 MD(4209.00) Inc(17.1) Azm(162.6) TVD(4064.00)  
VS(-45.82) NS(-991.02) EW(242.75) TEMP(0.0)

#45 MD(4304.00) Inc(17.7) Azm(165.0) TVD(4154.66)  
VS(-48.29) NS(-1018.30) EW(250.67) TEMP(0.0)



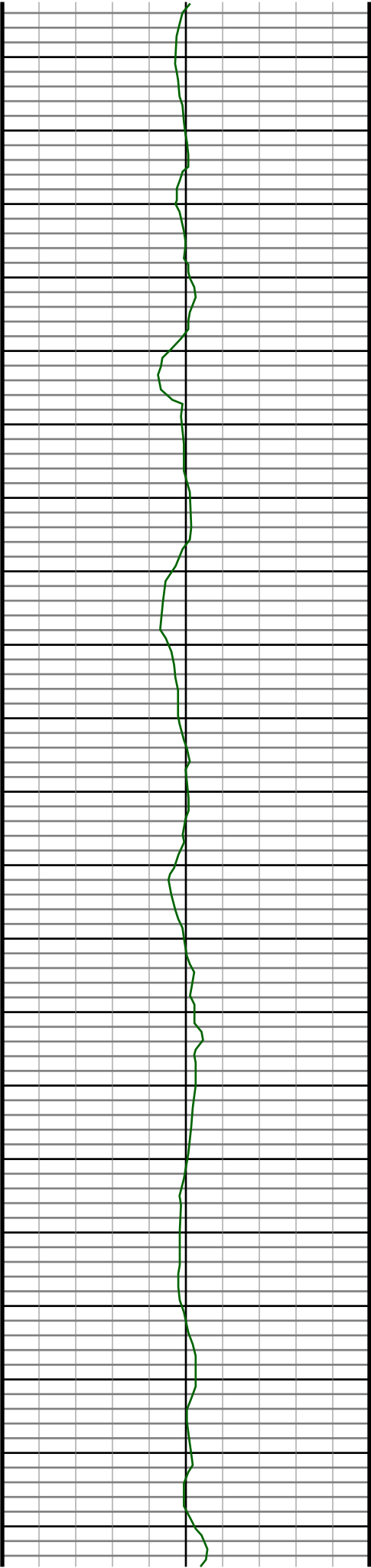
#46 MD(4399.00) Inc(16.9) Azm(164.0) TVD(4245.36)  
VS(-50.41) NS(-1045.52) EW(258.21) TEMP(0.0)

#47 MD(4494.00) Inc(15.7) Azm(167.1) TVD(4336.54)  
VS(-51.95) NS(-1071.33) EW(264.89) TEMP(0.0)

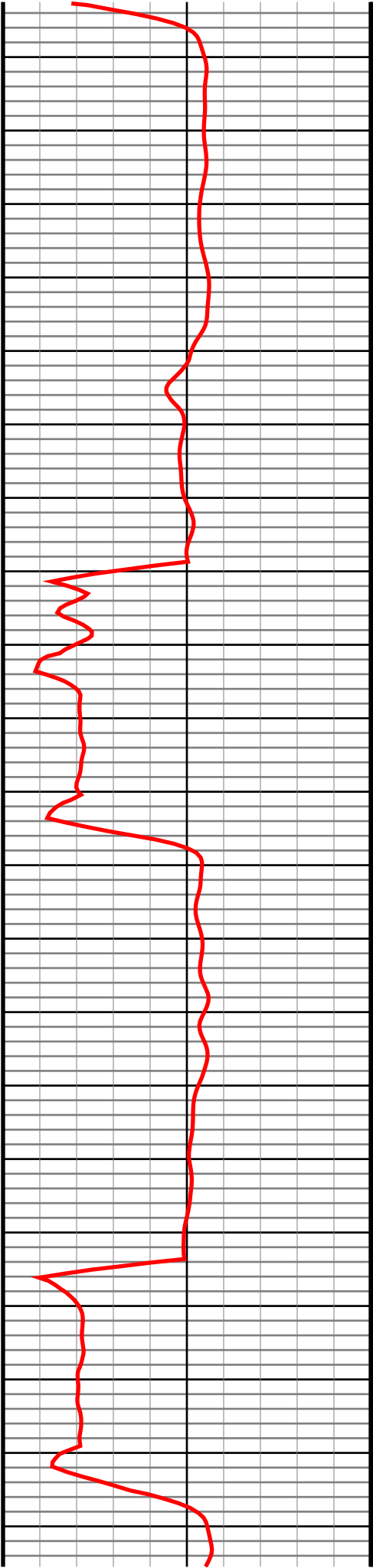


#48 MD(4589.00) Inc(16.4) Azm(172.0) TVD(4427.84)  
VS(-51.59) NS(-1097.14) EW(269.63) TEMP(0.0)

#49 MD(4685.00) Inc(17.9) Azm(171.5) TVD(4519.57)  
VS(-50.14) NS(-1125.15) EW(273.69) TEMP(0.0)



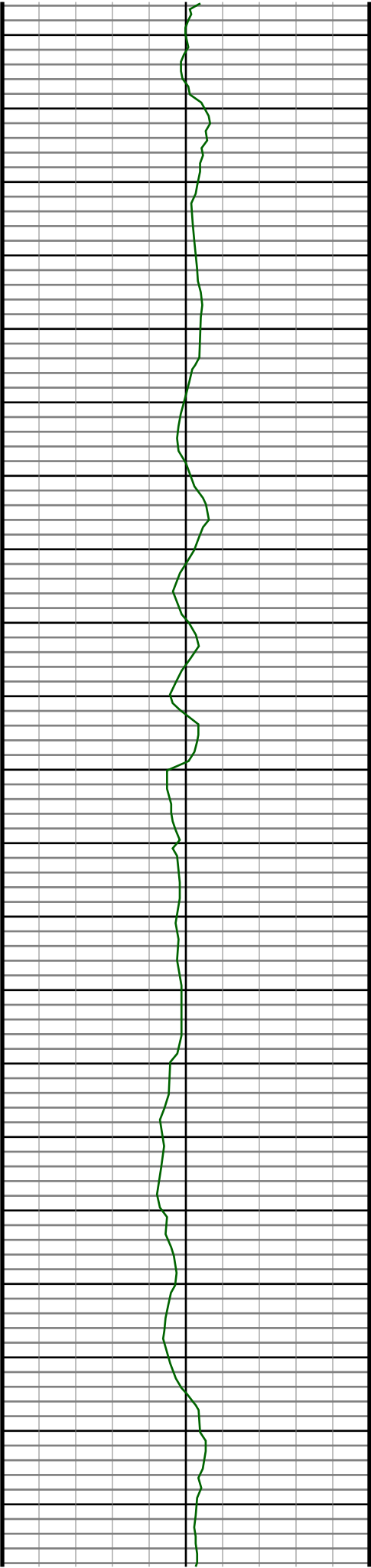
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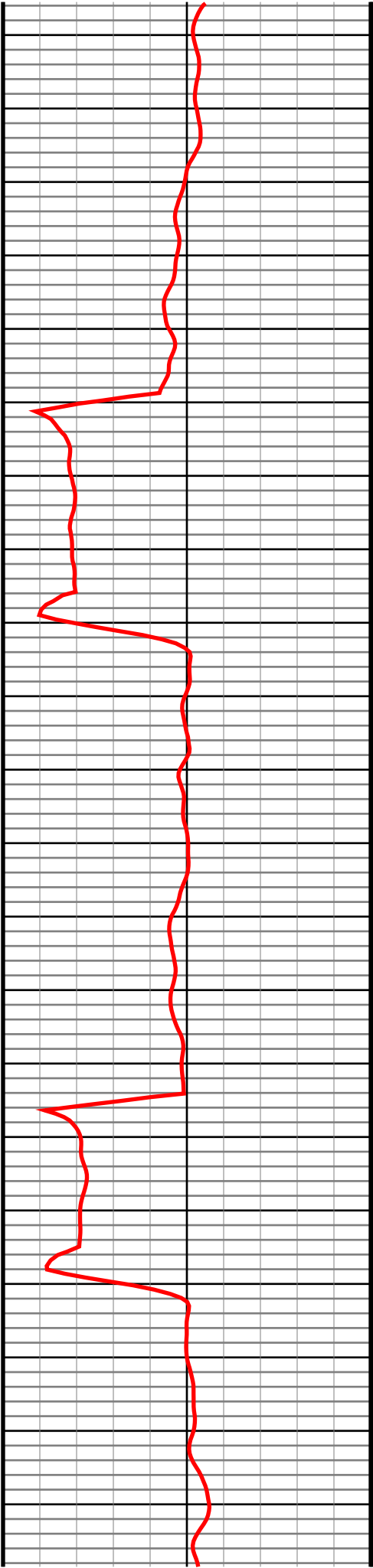
#50 MD(4780.00) Inc(15.6) Azm(166.1) TVD(4610.54)  
VS(-50.06) NS(-1152.00) EW(278.92) TEMP(0.0)

#51 MD(4875.00) Inc(16.4) Azm(165.5) TVD(4701.86)  
VS(-51.44) NS(-1177.38) EW(285.35) TEMP(0.0)





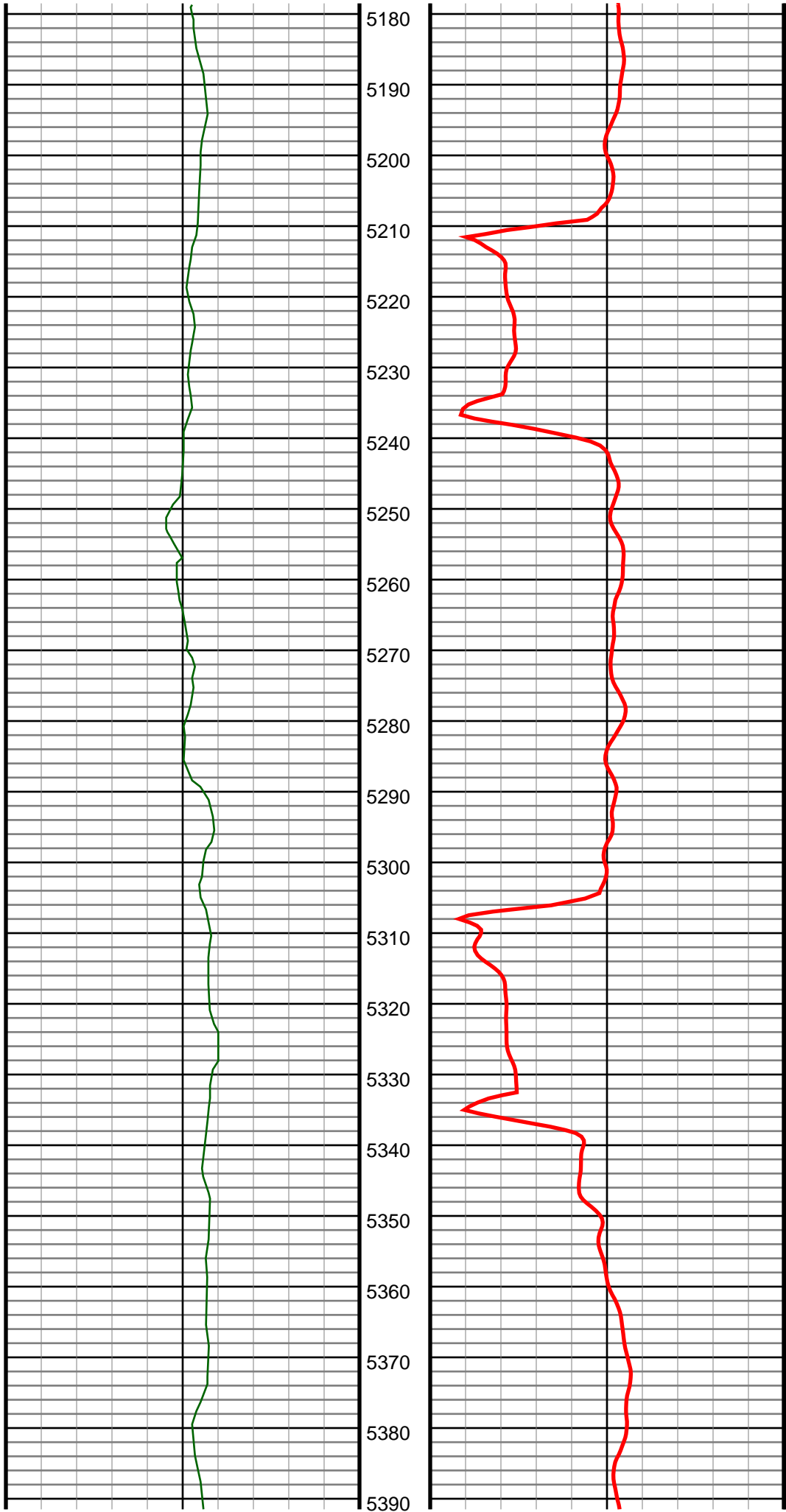
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#52 MD(4970.00) Inc(16.3) Azm(170.1) TVD(4793.02)  
VS(-51.91) NS(-1203.50) EW(291.00) TEMP(0.0)

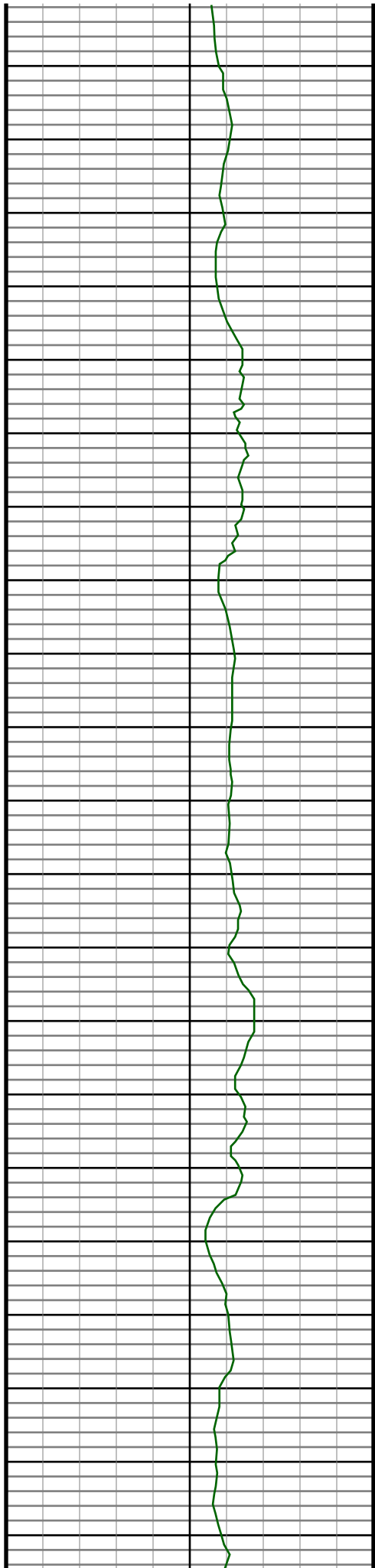
#53 MD(5065.00) Inc(17.8) Azm(160.6) TVD(4883.86)  
VS(-53.68) NS(-1230.34) EW(298.11) TEMP(0.0)

#54 MD(5160.00) Inc(18.2) Azm(161.9) TVD(4974.21)  
VS(-57.54) NS(-1258.13) EW(307.55) TEMP(0.0)

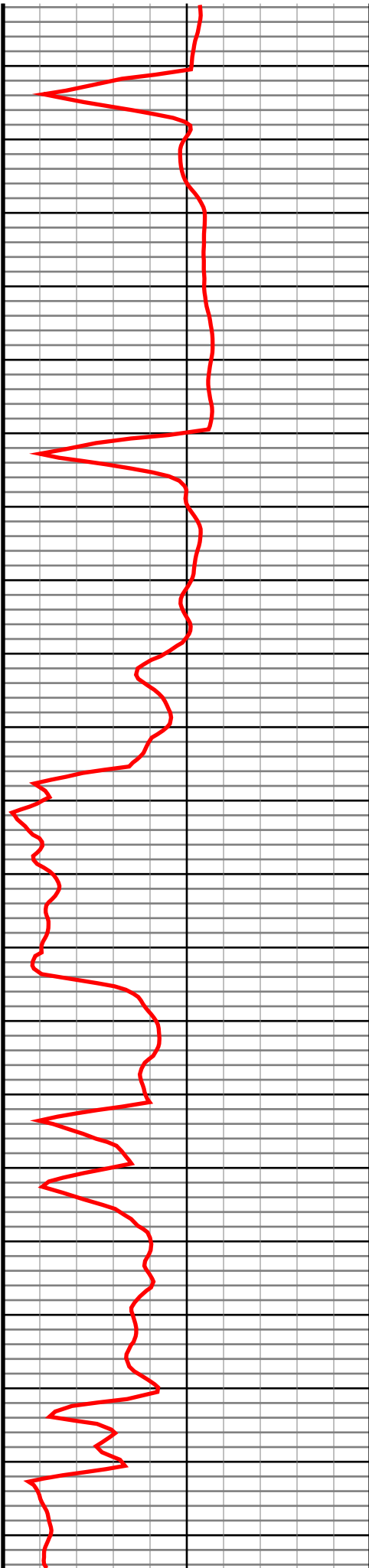


#55 MD(5256.00) Inc(16.7) Azm(166.2) TVD(5065.79)  
VS(-59.97) NS(-1285.78) EW(315.50) TEMP(0.0)

#56 MD(5351.00) Inc(16.2) Azm(167.7) TVD(5156.90)  
VS(-60.85) NS(-1311.99) EW(321.57) TEMP(0.0)

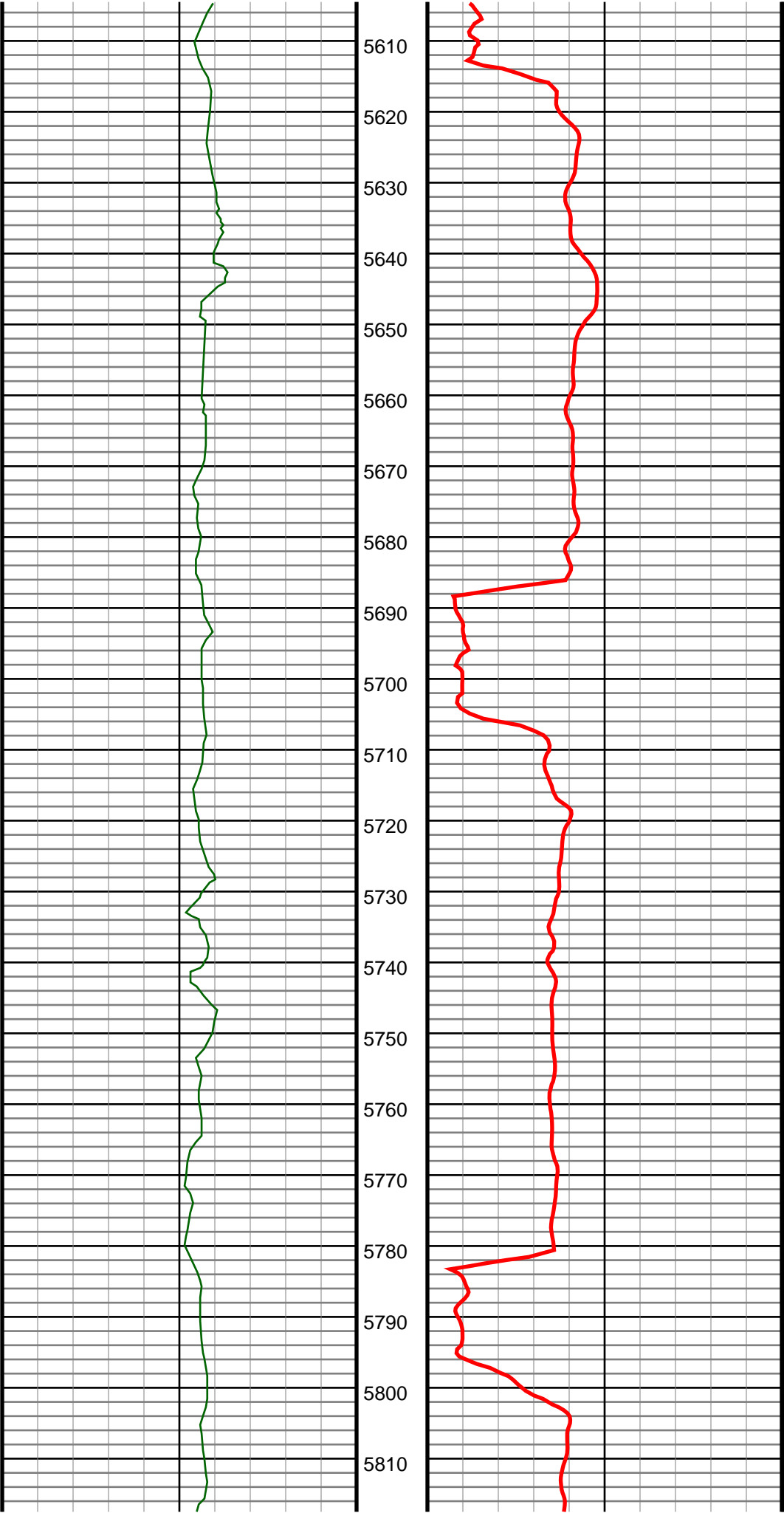


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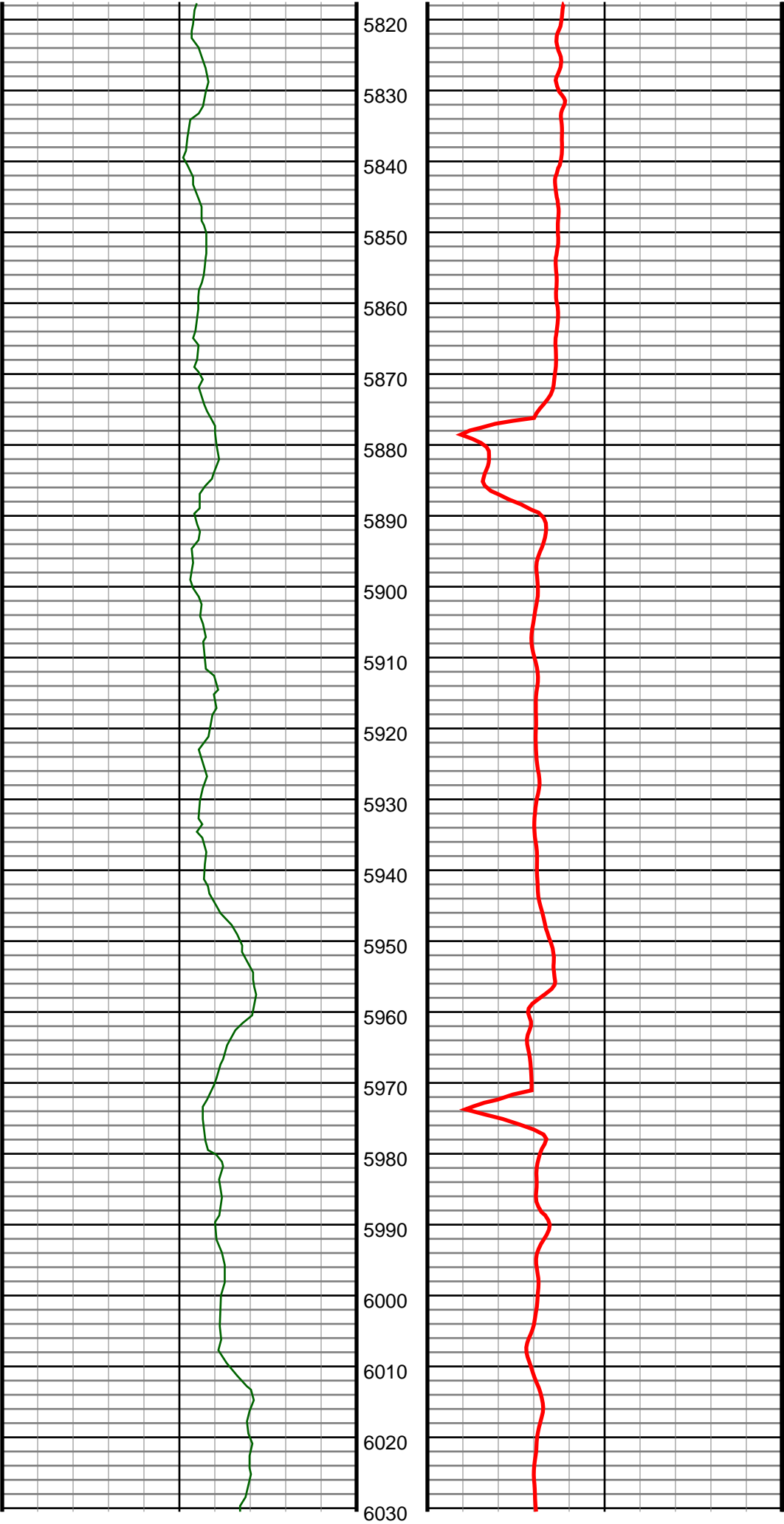
#57 MD(5446.00) Inc(11.9) Azm(163.6) TVD(5249.04)  
VS(-62.00) NS(-1334.34) EW(327.17) TEMP(0.0)

#58 MD(5541.00) Inc(11.0) Azm(162.4) TVD(5342.15)  
VS(-63.90) NS(-1352.38) EW(332.67) TEMP(0.0)



#59 MD(5636.00) Inc(10.3) Azm(165.2) TVD(5435.51)  
VS(-65.45) NS(-1369.23) EW(337.58) TEMP(0.0)

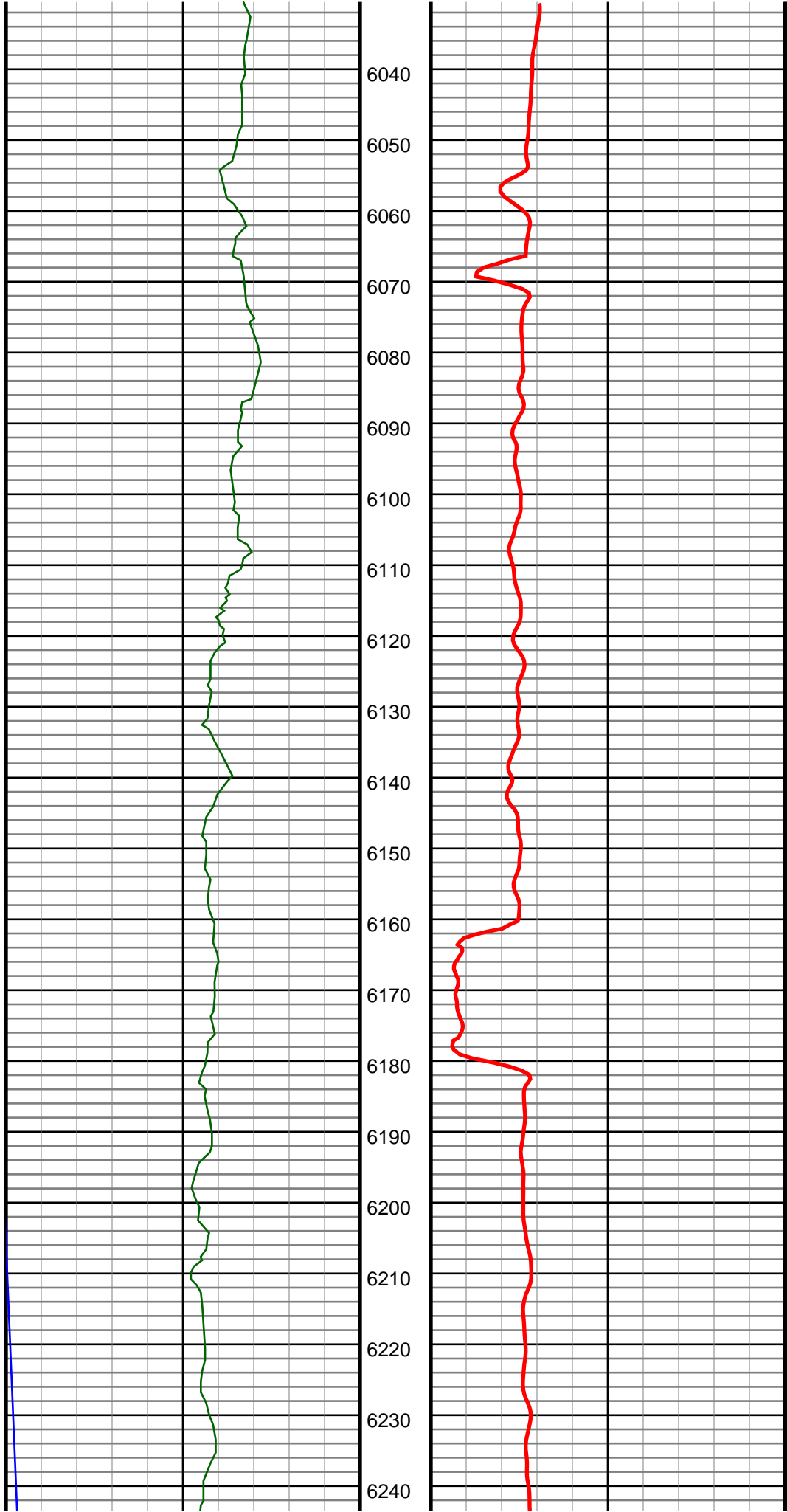
#60 MD(5731.00) Inc(10.2) Azm(157.6) TVD(5529.00)  
VS(-67.62) NS(-1385.22) EW(342.96) TEMP(0.0)



#61 MD(5826.00) Inc(9.6) Azm(162.4) TVD(5622.59)  
VS(-70.14) NS(-1400.54) EW(348.56) TEMP(0.0)

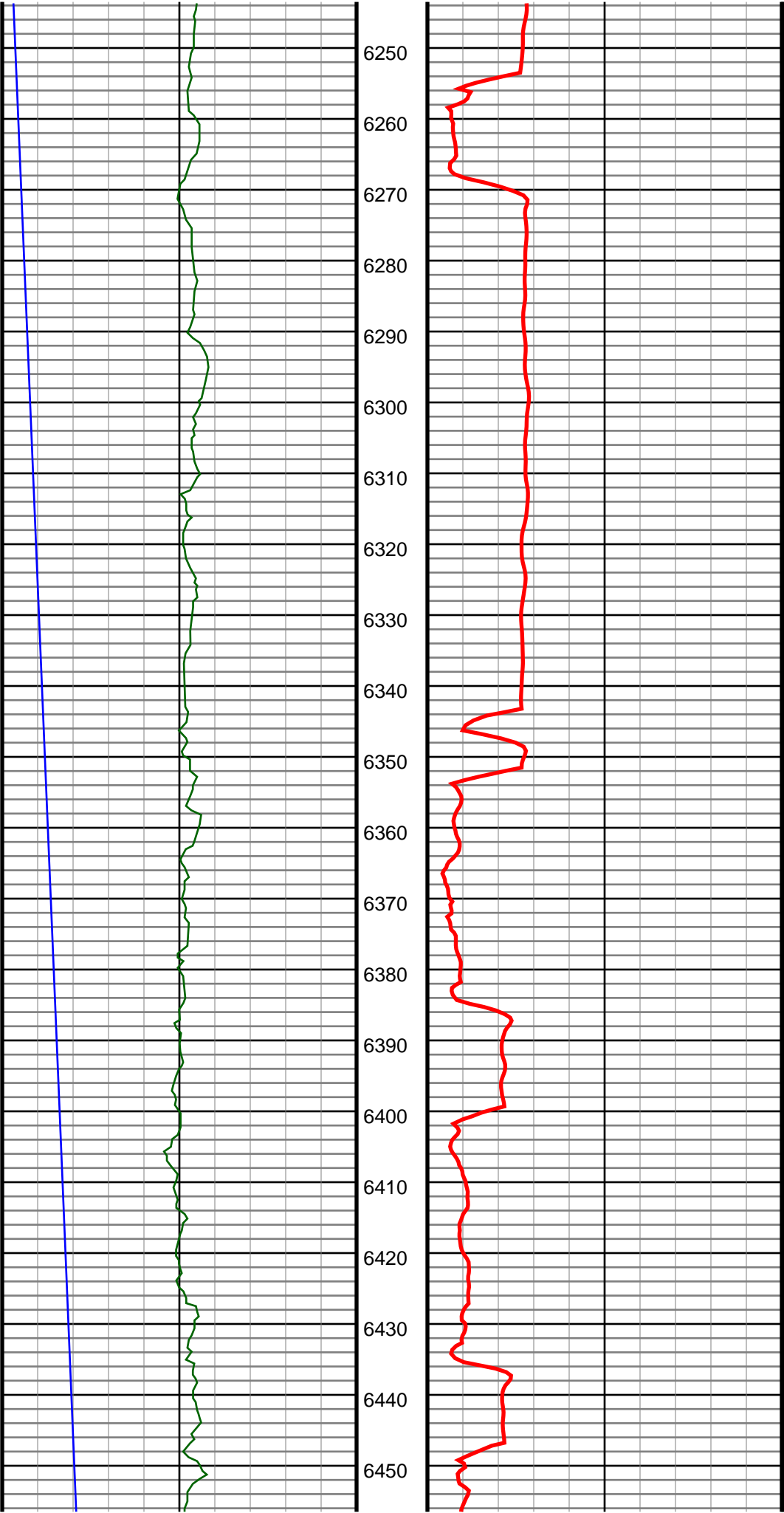
#62 MD(5921.00) Inc(7.4) Azm(158.0) TVD(5716.54)  
VS(-72.17) NS(-1413.77) EW(353.25) TEMP(0.0)

#63 MD(6016.00) Inc(5.3) Azm(157.8) TVD(5810.95)  
VS(-74.15) NS(-1423.50) EW(357.20) TEMP(0.0)



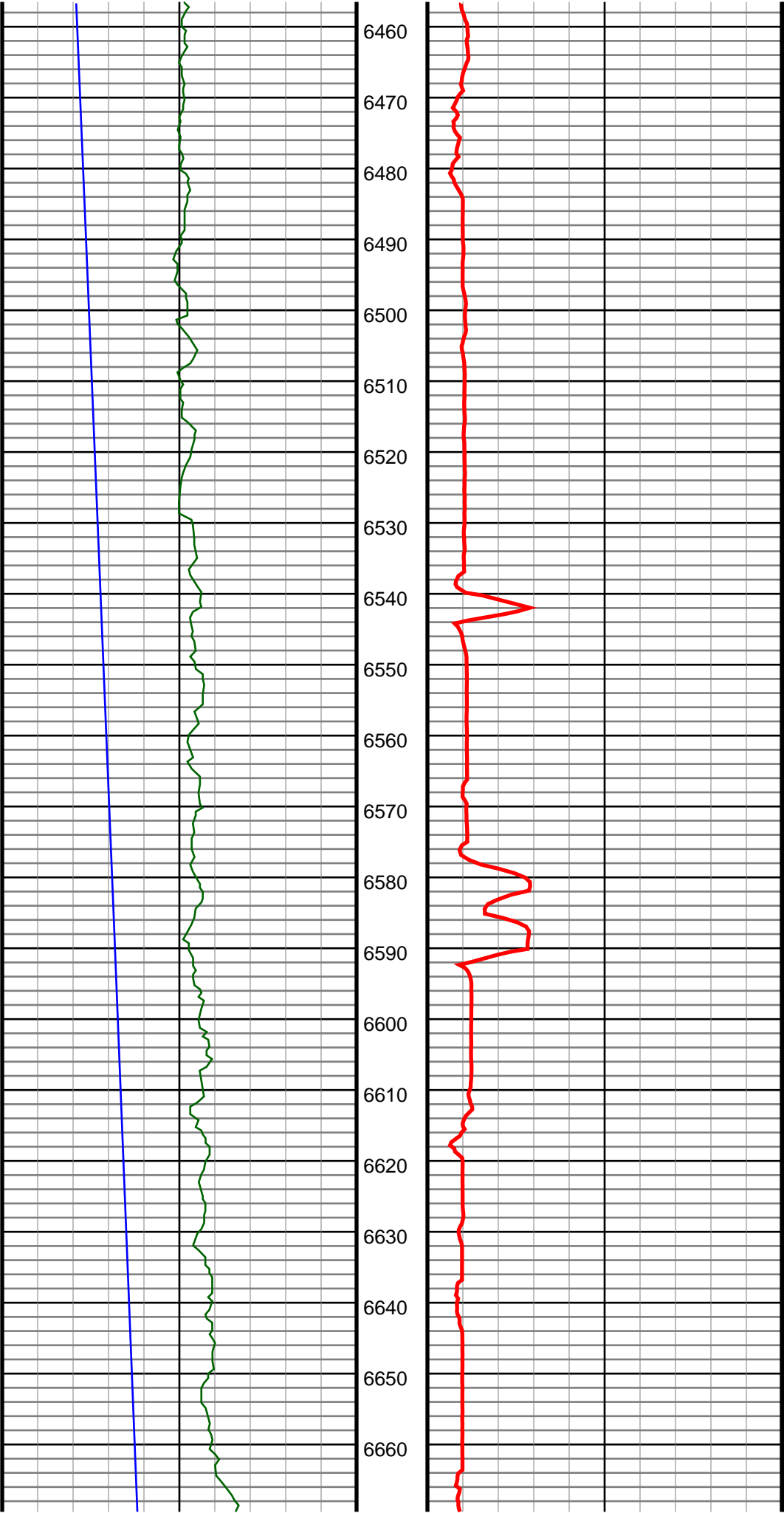
#64 MD(6112.00) Inc(4.0) Azm(150.8) TVD(5906.64)  
VS(-76.04) NS(-1430.53) EW(360.50) TEMP(0.0)

#65 MD(6207.00) Inc(1.7) Azm(159.7) TVD(6001.51)  
VS(-77.28) NS(-1434.75) EW(362.61) TEMP(0.0)



#66 MD(6302.00) Inc(0.5) Azm(301.6) TVD(6096.50)  
VS(-77.20) NS(-1435.85) EW(362.75) TEMP(0.0)

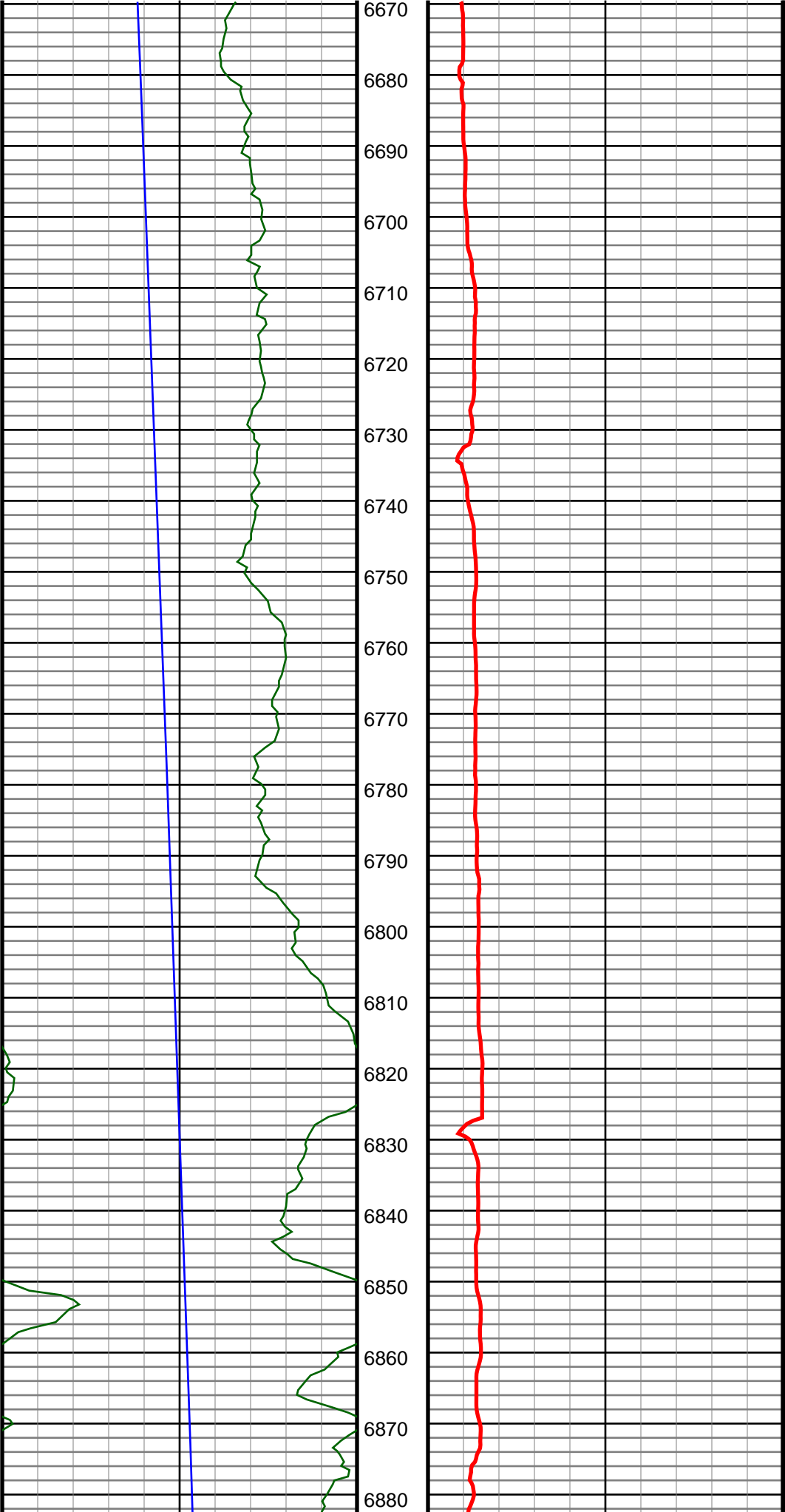
#67 MD(6397.00) Inc(3.6) Azm(271.0) TVD(6191.43)  
VS(-73.98) NS(-1435.58) EW(359.41) TEMP(0.0)



#68 MD(6492.00) Inc(8.4) Azm(274.5) TVD(6285.88)  
VS(-64.38) NS(-1434.99) EW(349.50) TEMP(0.0)

#69 MD(6587.00) Inc(14.1) Azm(270.1) TVD(6379.02)  
VS(-46.34) NS(-1434.42) EW(331.00) TEMP(0.0)

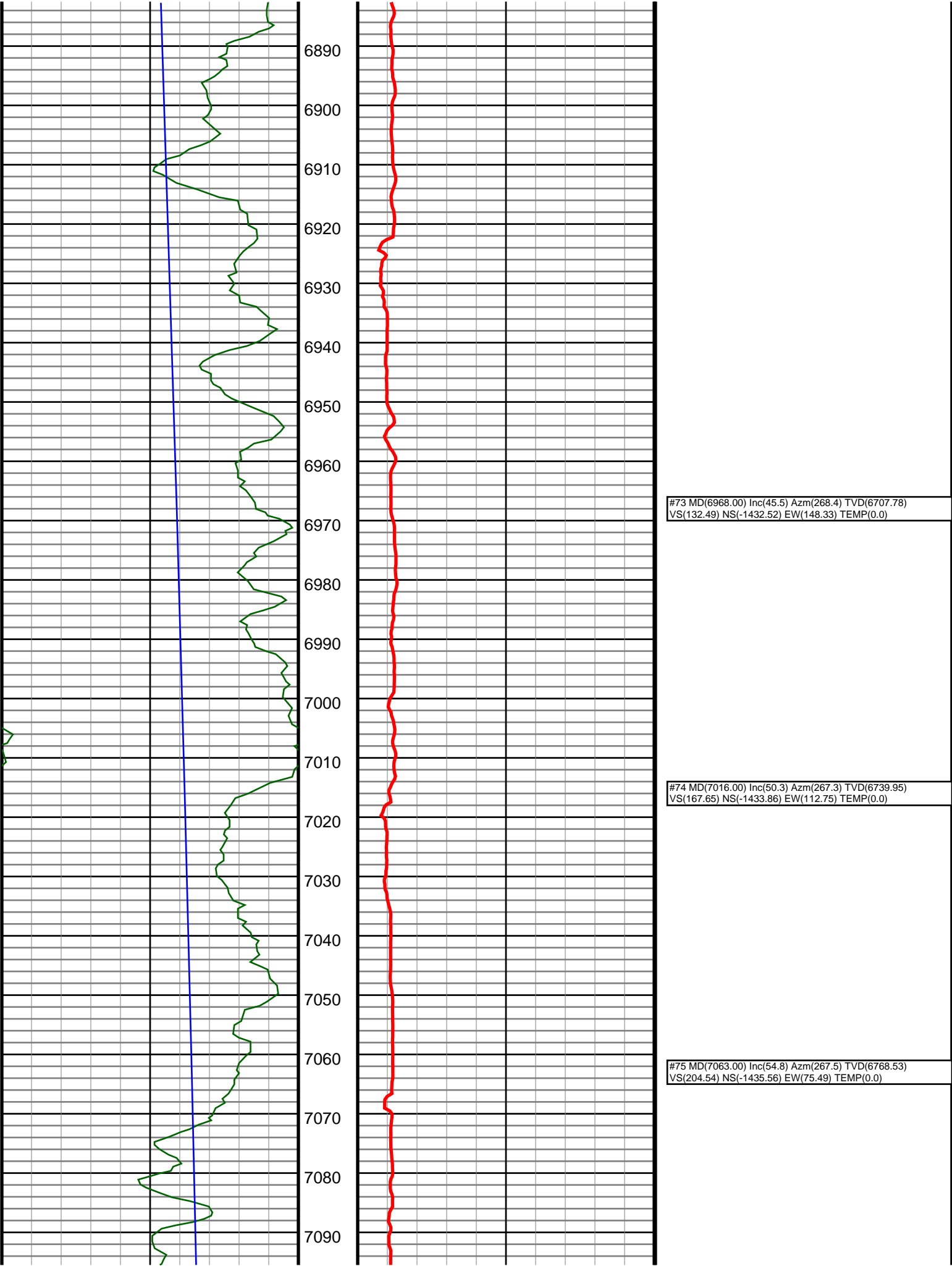


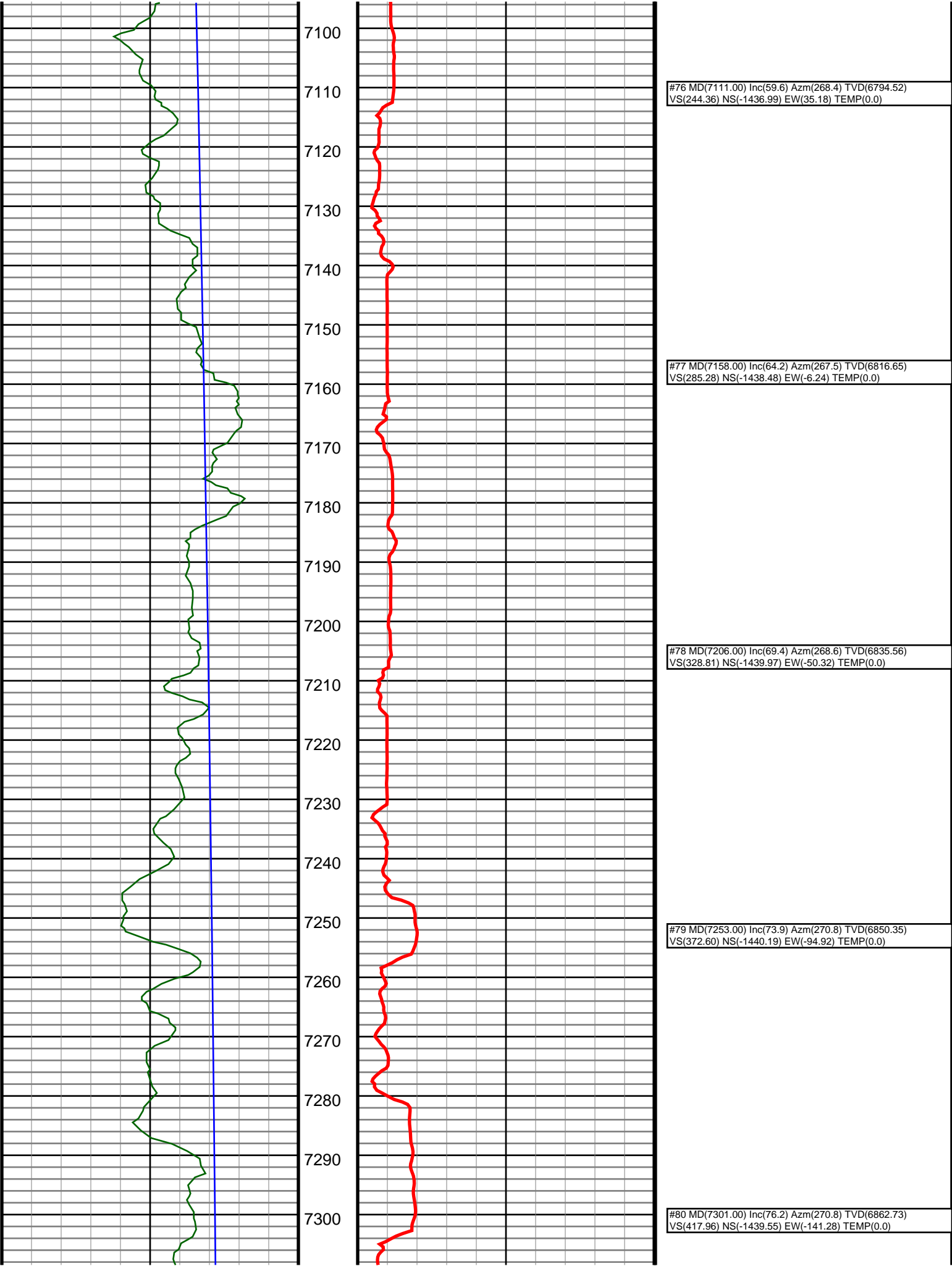


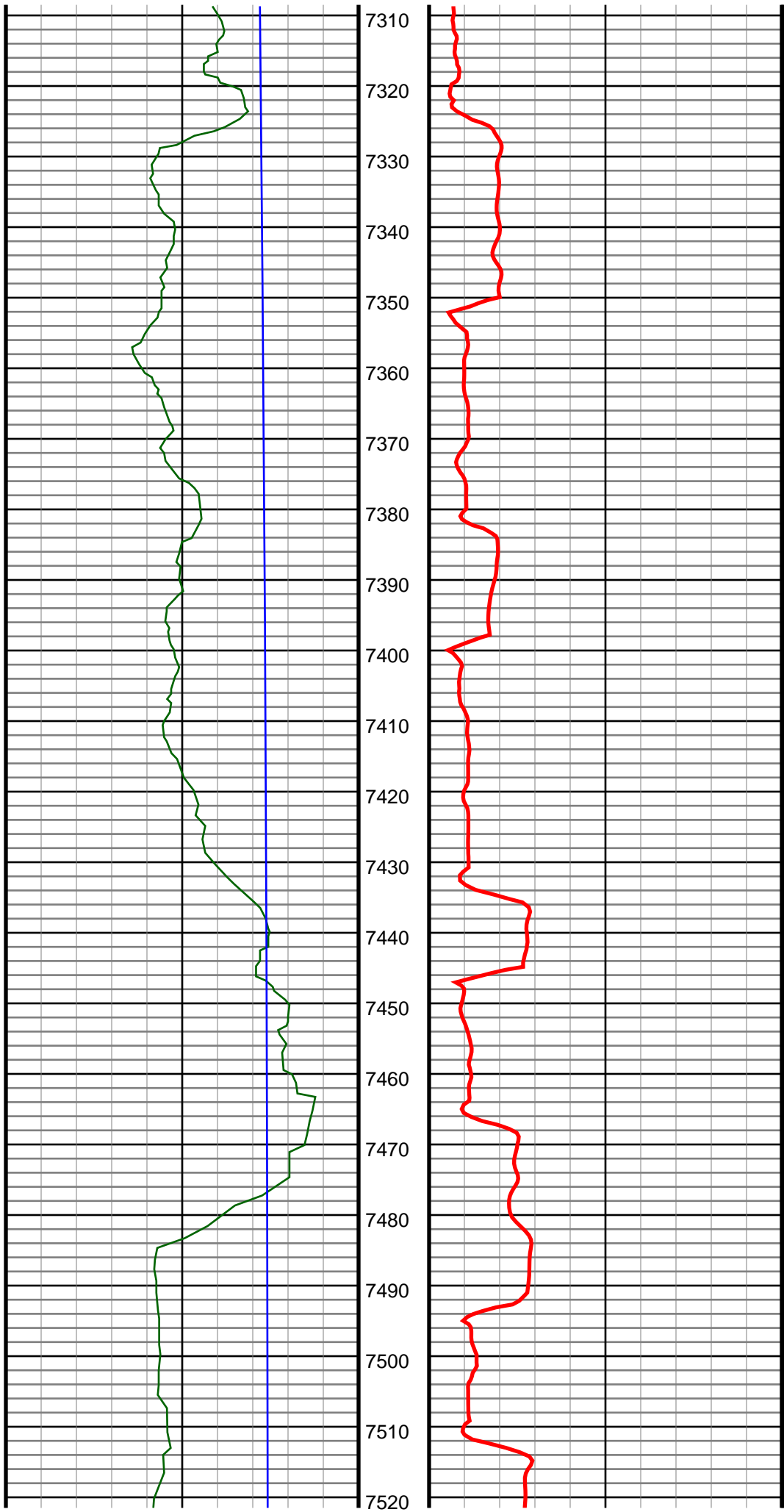
#70 MD(6683.00) Inc(20.9) Azm(269.8) TVD(6470.52)  
VS(-18.03) NS(-1434.46) EW(302.15) TEMP(0.0)

#71 MD(6778.00) Inc(28.6) Azm(272.2) TVD(6556.73)  
VS(20.78) NS(-1433.65) EW(262.42) TEMP(0.0)

#72 MD(6873.00) Inc(37.1) Azm(271.2) TVD(6636.47)  
VS(70.98) NS(-1432.17) EW(210.96) TEMP(0.0)







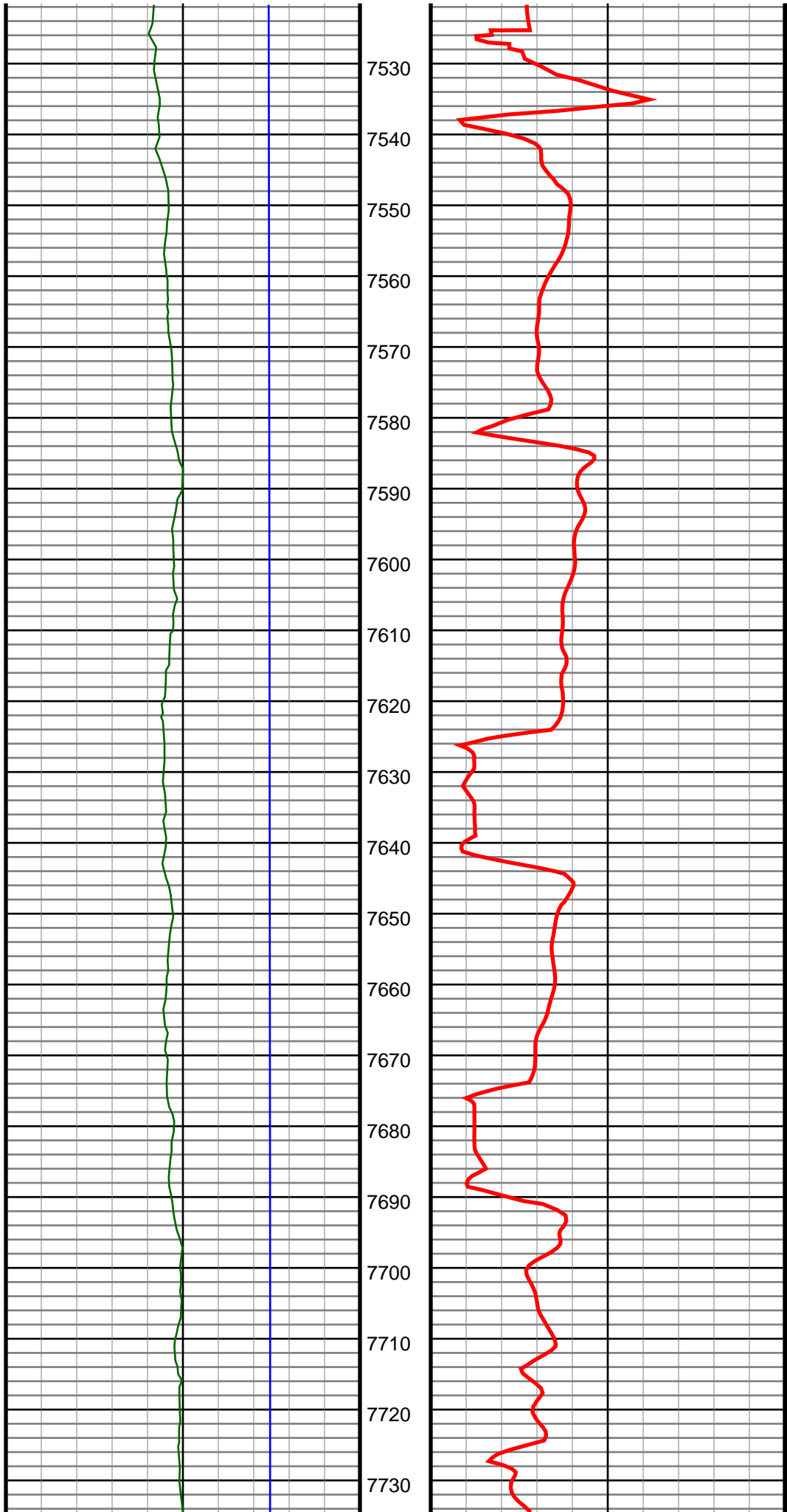
#81 MD(7348.00) Inc(78.2) Azm(270.0) TVD(6873.14)  
VS(462.85) NS(-1439.23) EW(-187.11) TEMP(0.0)

#82 MD(7396.00) Inc(81.7) Azm(270.0) TVD(6881.52)  
VS(509.21) NS(-1439.23) EW(-234.37) TEMP(0.0)

#83 MD(7443.00) Inc(85.5) Azm(270.0) TVD(6886.76)  
VS(555.02) NS(-1439.23) EW(-281.07) TEMP(0.0)

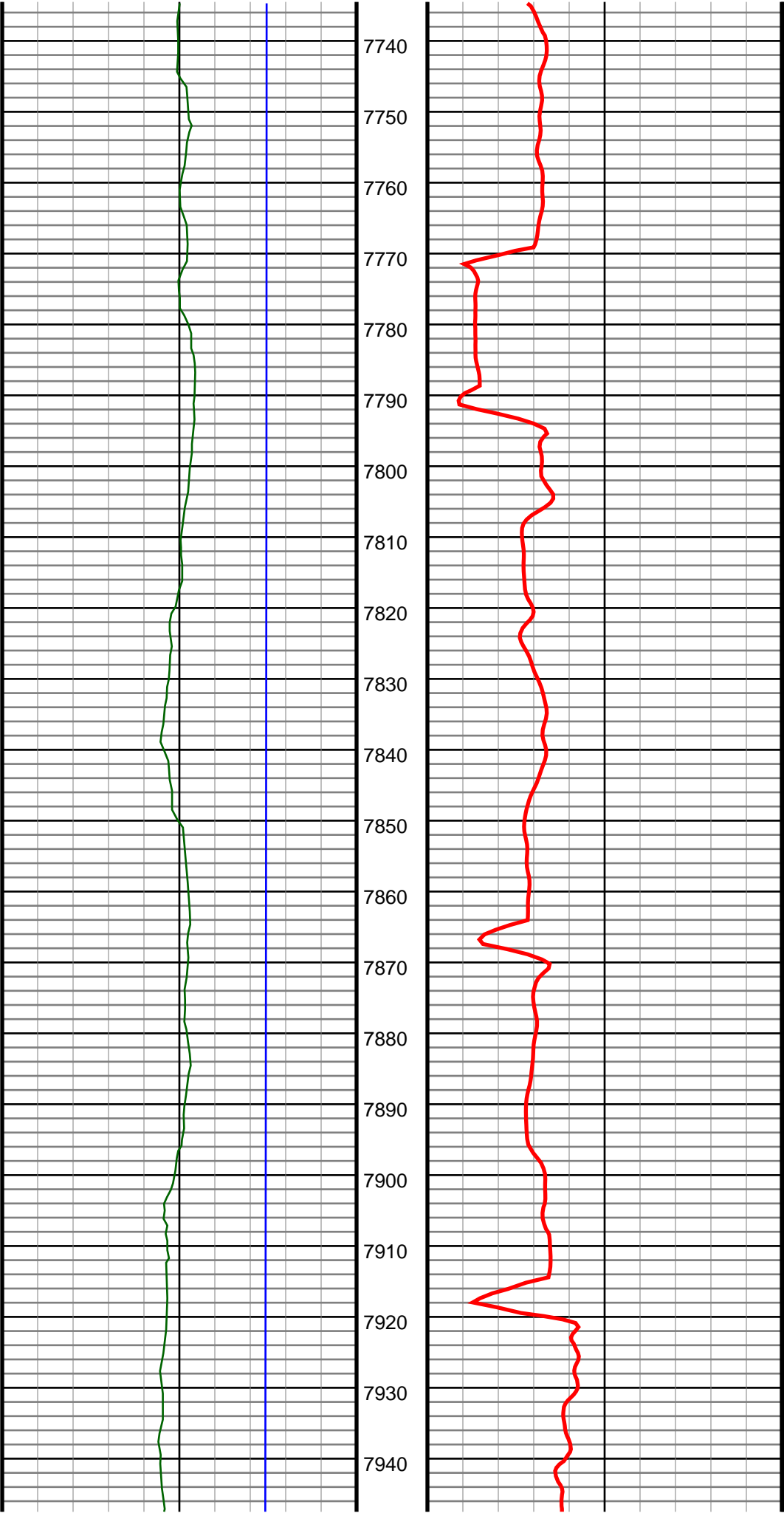
#84 MD(7478.00) Inc(87.1) Azm(270.5) TVD(6889.02)  
VS(589.26) NS(-1439.08) EW(-315.99) TEMP(0.0)

#86 MD(7515.00) Inc(88.4) Azm(269.6) TVD(6890.47)  
VS(625.52) NS(-1439.04) EW(-352.96) TEMP(0.0)



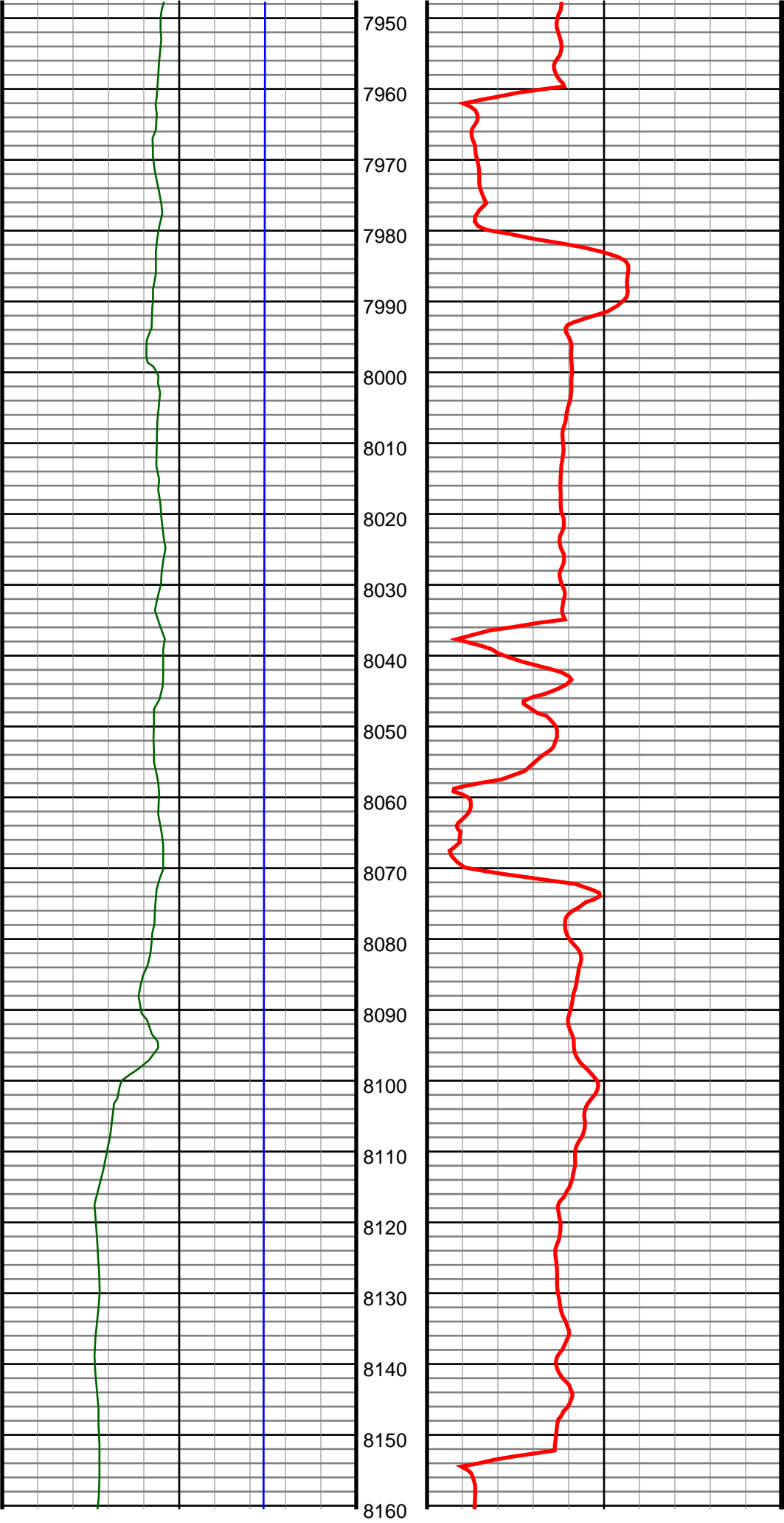
#87 MD(7611.00) Inc(87.9) Azm(268.1) TVD(6893.57)  
VS(719.99) NS(-1440.97) EW(-448.89) TEMP(0.0)

#88 MD(7706.00) Inc(89.5) Azm(268.6) TVD(6895.72)  
VS(813.65) NS(-1443.70) EW(-543.82) TEMP(0.0)



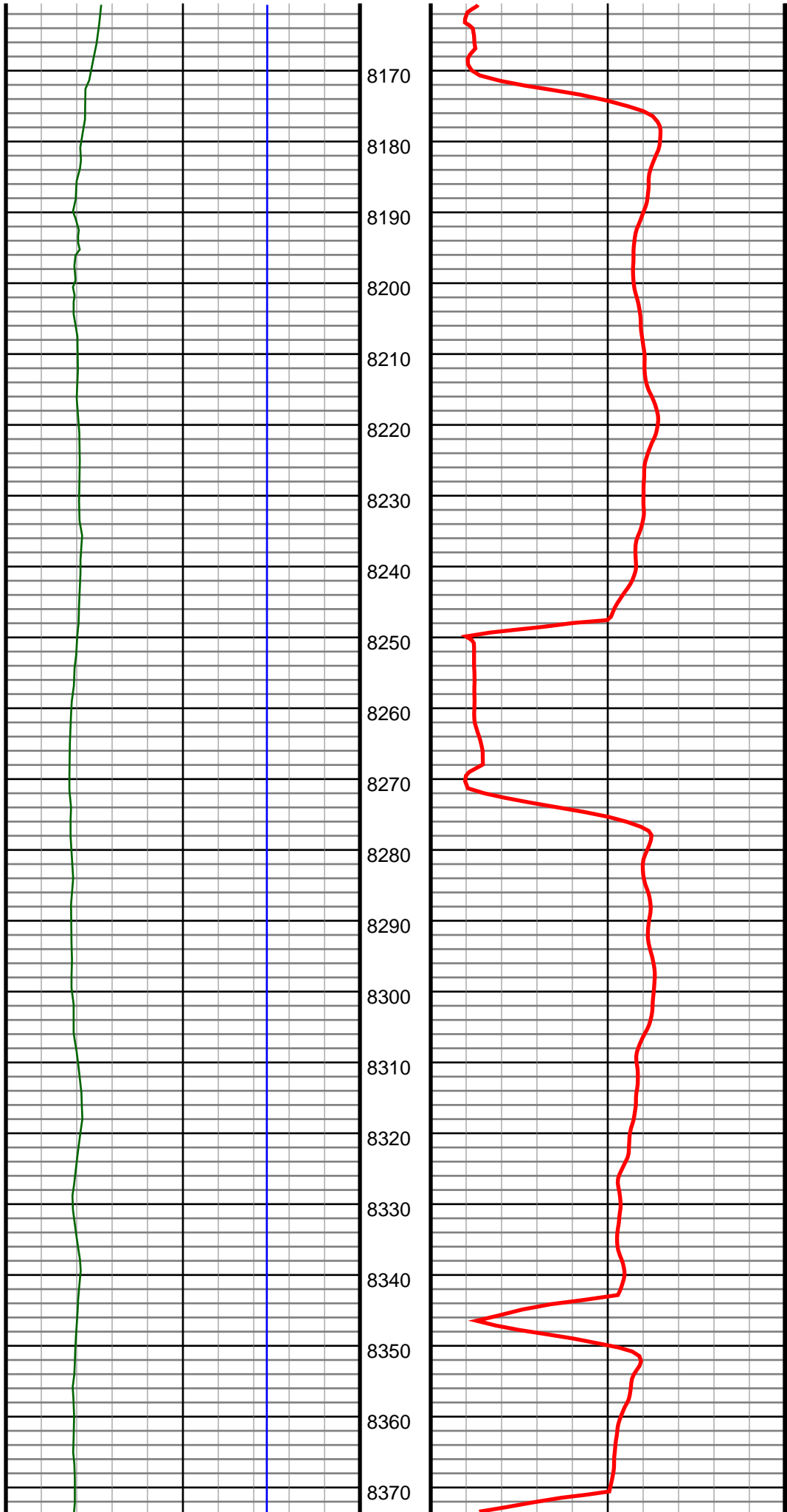
#89 MD(7802.00) Inc(91.6) Azm(269.1) TVD(6894.80)  
VS(908.17) NS(-1445.63) EW(-639.79) TEMP(0.0)

#90 MD(7897.00) Inc(91.2) Azm(268.8) TVD(6892.48)  
VS(1001.66) NS(-1447.37) EW(-734.75) TEMP(0.0)



#91 MD(7992.00) Inc(92.4) Azm(269.8) TVD(6889.50)  
VS(1095.02) NS(-1448.53) EW(-829.69) TEMP(0.0)

#92 MD(8087.00) Inc(90.7) Azm(268.8) TVD(6886.93)  
VS(1188.40) NS(-1449.69) EW(-924.64) TEMP(0.0)

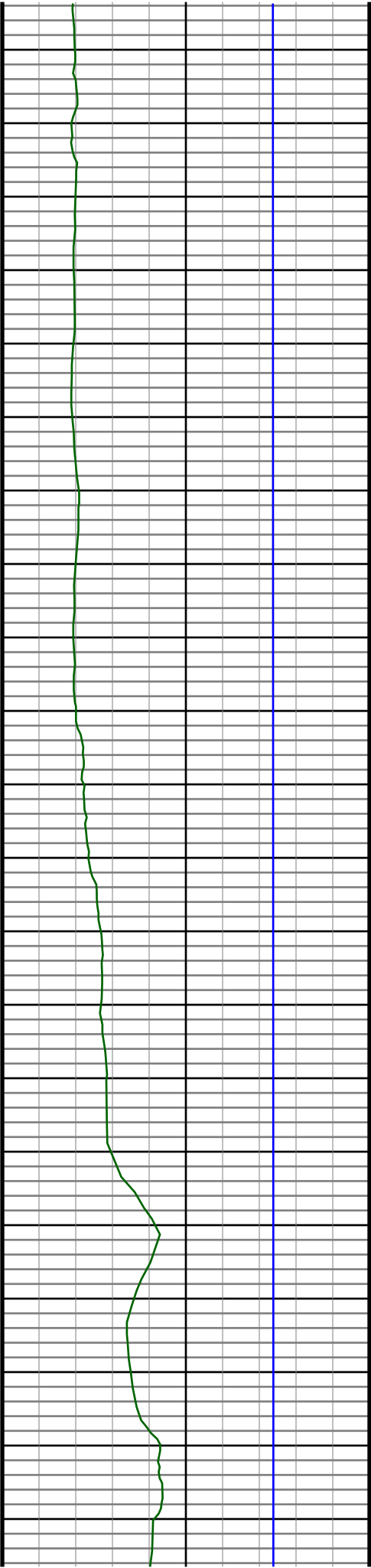


#93 MD(8183.00) Inc(91.0) Azm(268.6) TVD(6885.50)  
VS(1282.96) NS(-1451.87) EW(-1020.61) TEMP(0.0)

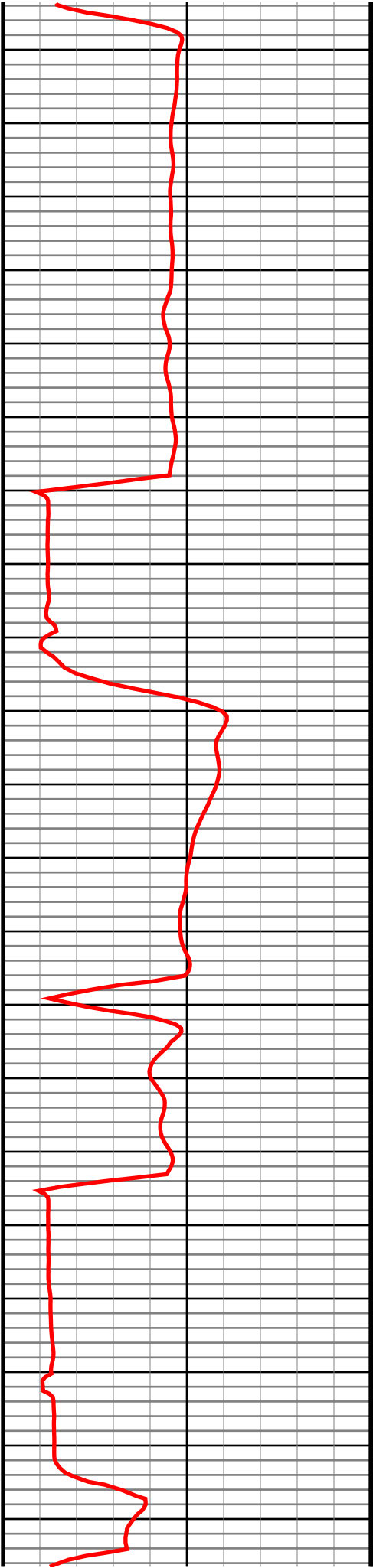
#94 MD(8278.00) Inc(90.2) Azm(272.1) TVD(6884.51)  
VS(1376.02) NS(-1451.29) EW(-1115.59) TEMP(0.0)

#95 MD(8372.00) Inc(90.0) Azm(274.7) TVD(6884.34)  
VS(1466.98) NS(-1445.71) EW(-1209.41) TEMP(0.0)



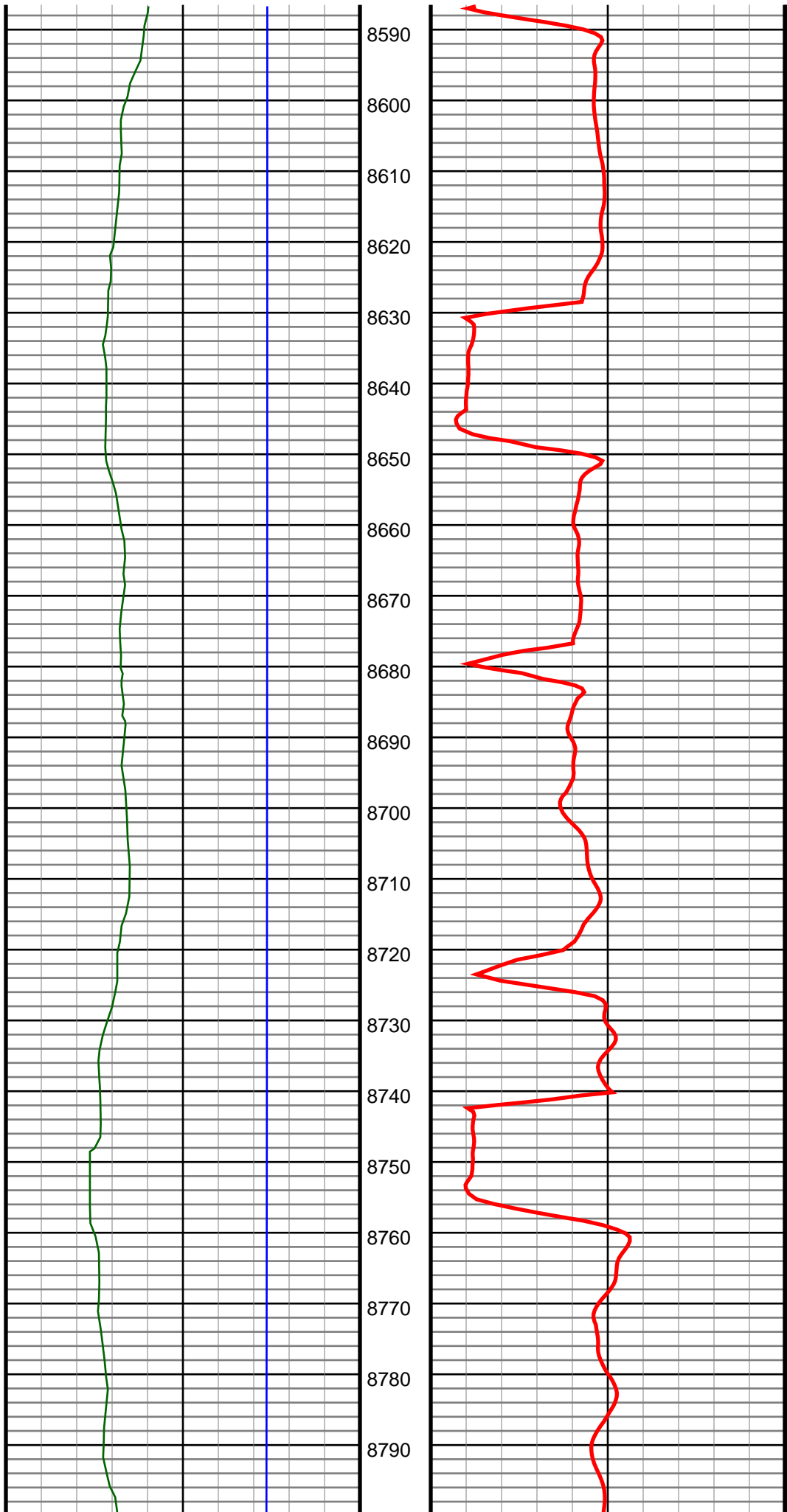


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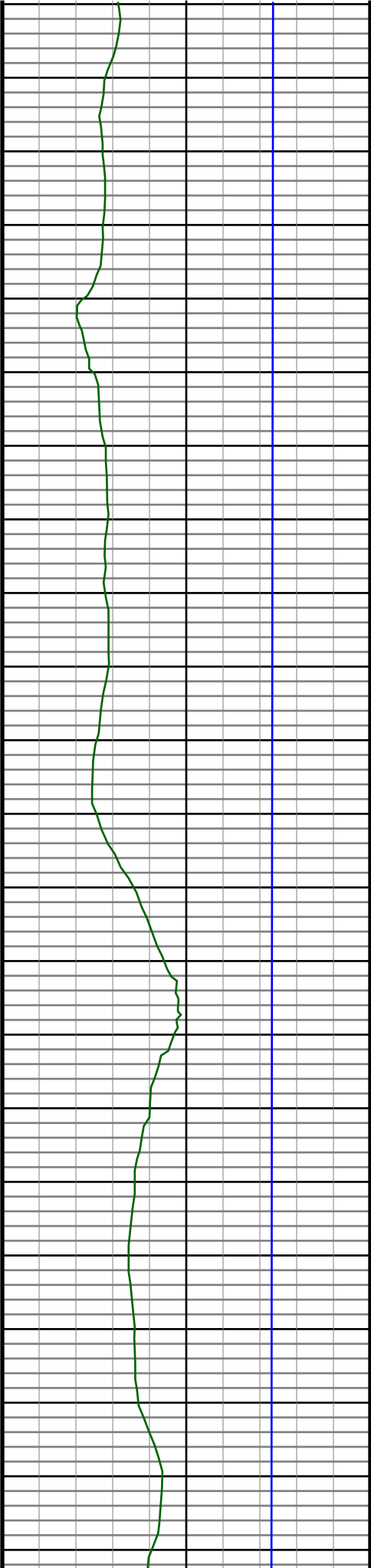
#96 MD(8467.00) Inc(89.2) Azm(274.2) TVD(6885.01)  
VS(1558.46) NS(-1438.34) EW(-1304.12) TEMP(0.0)

#97 MD(8563.00) Inc(89.7) Azm(270.9) TVD(6885.93)  
VS(1651.69) NS(-1434.07) EW(-1400.01) TEMP(0.0)

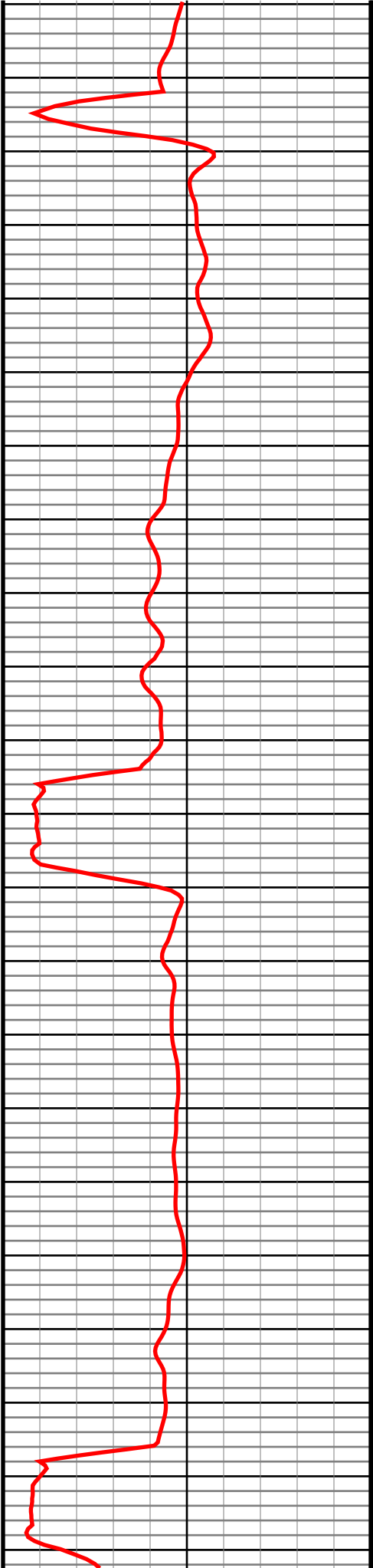


#98 MD(8654.00) Inc(90.5) Azm(268.4) TVD(6885.77)  
VS(1741.06) NS(-1434.63) EW(-1491.00) TEMP(0.0)

#99 MD(8746.00) Inc(91.1) Azm(268.1) TVD(6884.48)  
VS(1831.81) NS(-1437.44) EW(-1582.95) TEMP(0.0)

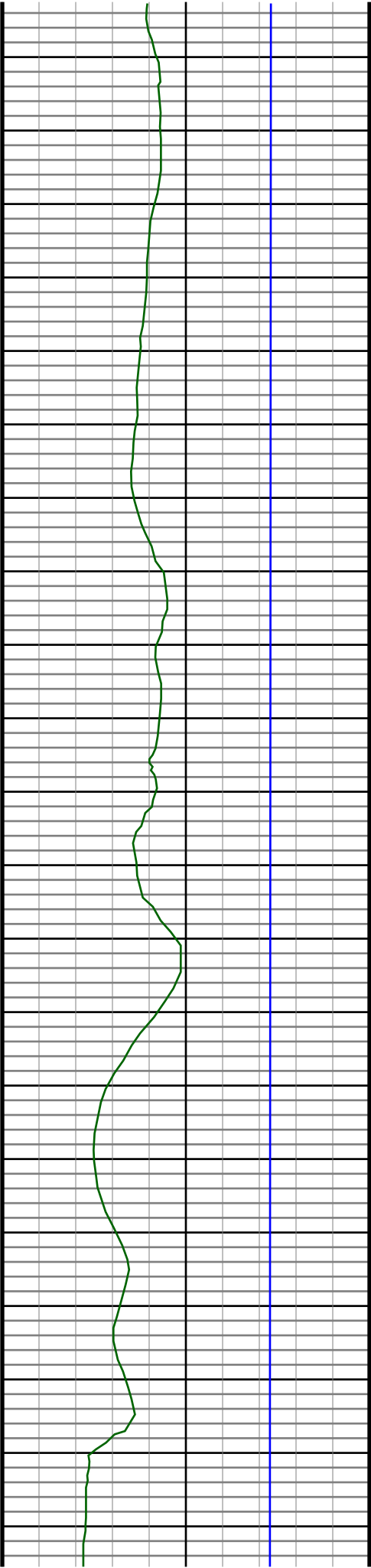


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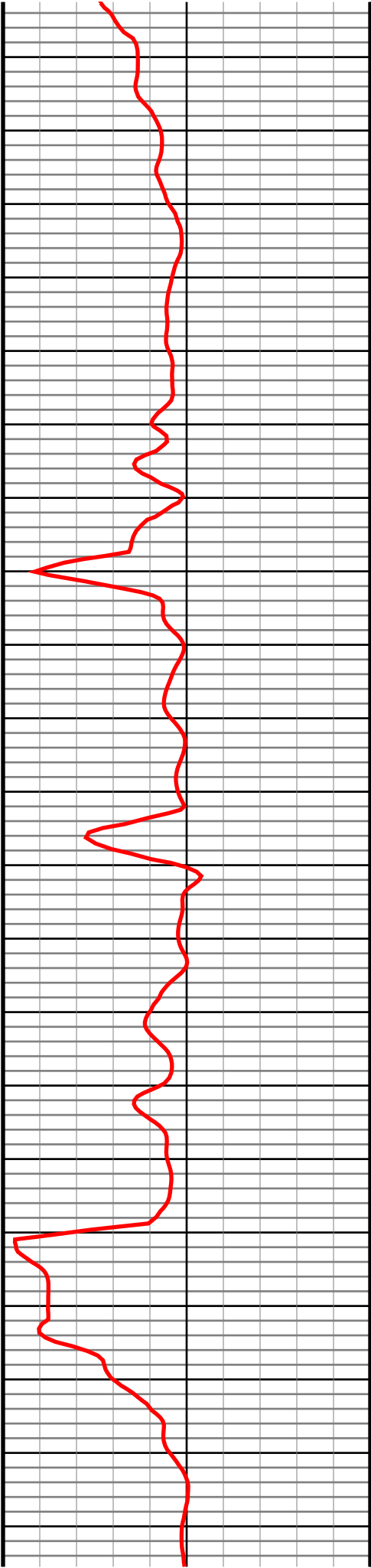


#100 MD(8838.00) Inc(91.9) Azm(268.4) TVD(6882.08)  
VS(1922.53) NS(-1440.25) EW(-1674.87) TEMP(0.0)

#101 MD(8929.00) Inc(91.4) Azm(267.7) TVD(6879.46)  
VS(2012.31) NS(-1443.34) EW(-1765.78) TEMP(0.0)



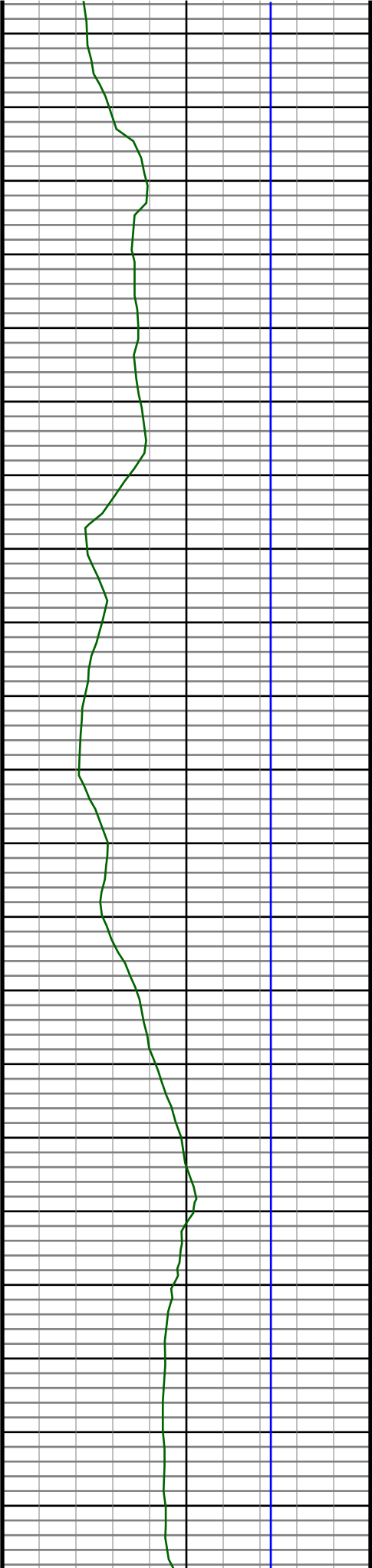
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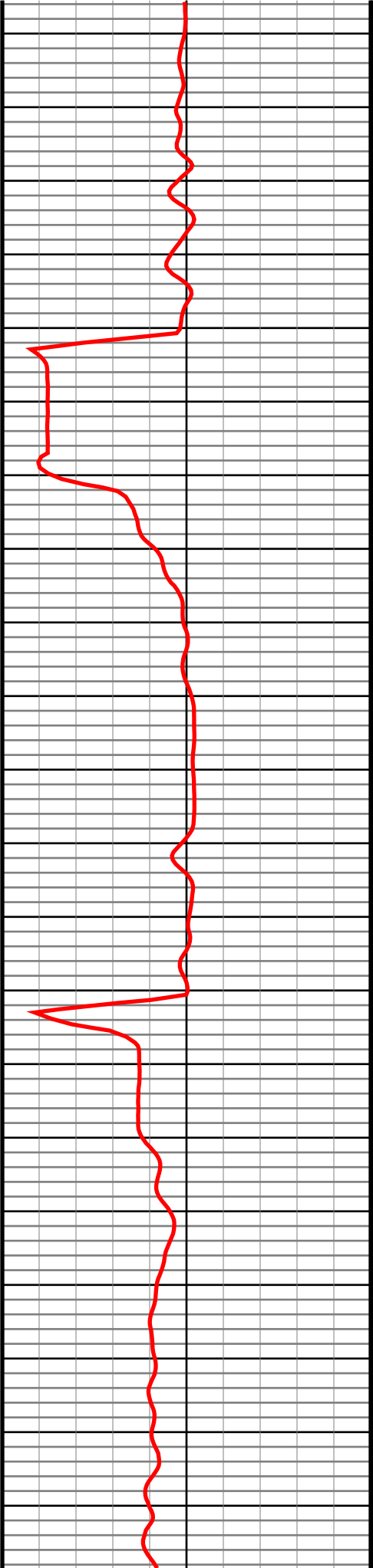
#102 MD(9021.00) Inc(90.8) Azm(268.1) TVD(6877.69)  
VS(2103.14) NS(-1446.71) EW(-1857.70) TEMP(0.0)

#103 MD(9113.00) Inc(91.1) Azm(267.9) TVD(6876.16)  
VS(2193.94) NS(-1449.92) EW(-1949.63) TEMP(0.0)

#104 MD(9205.00) Inc(90.7) Azm(268.2) TVD(6874.72)  
VS(2284.74) NS(-1453.05) EW(-2041.57) TEMP(0.0)

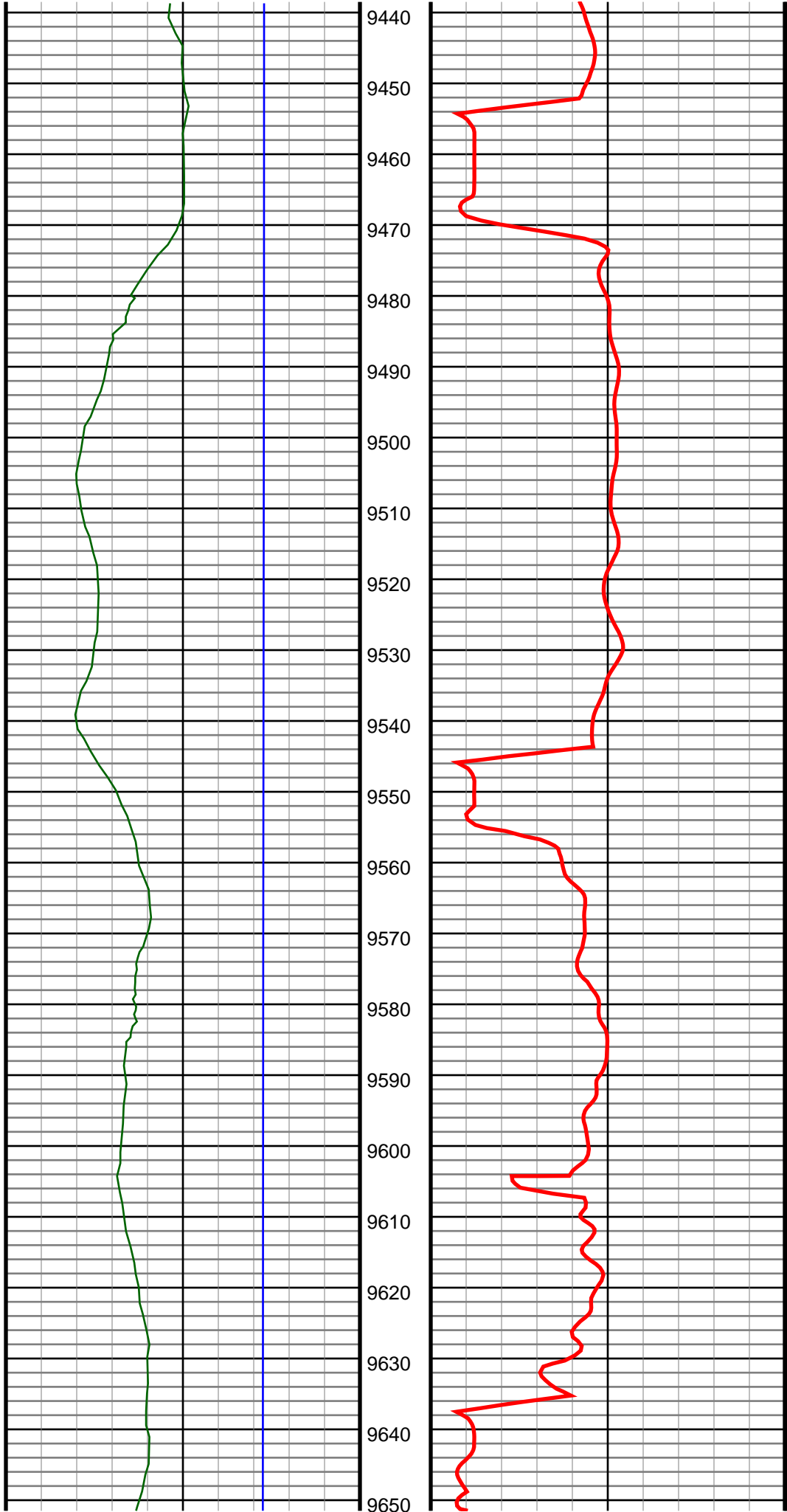


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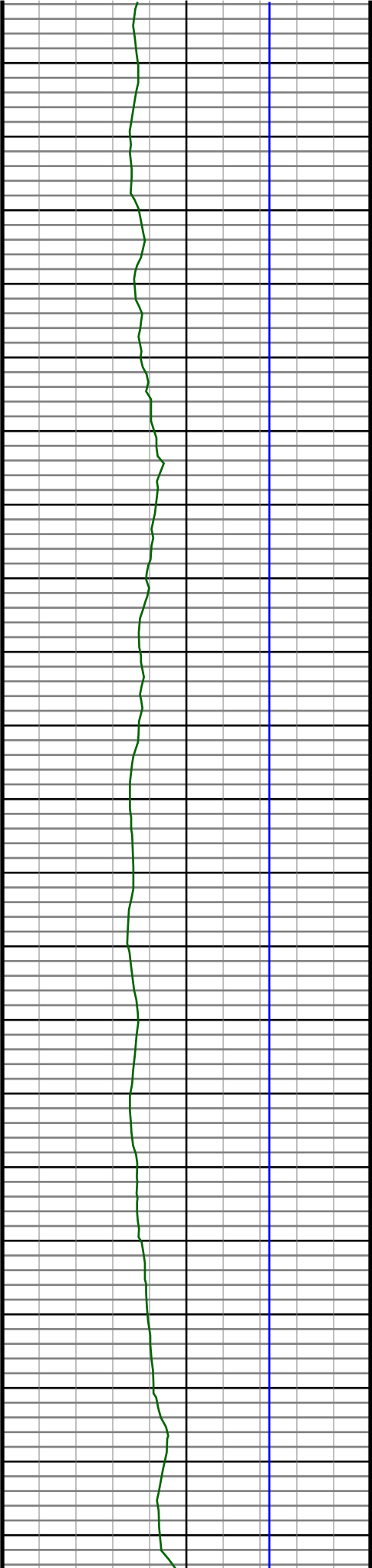
#105 MD(9297.00) Inc(89.5) Azm(269.3) TVD(6874.56)  
VS(2375.36) NS(-1455.06) EW(-2133.54) TEMP(0.0)

#106 MD(9388.00) Inc(89.3) Azm(268.8) TVD(6875.51)  
VS(2464.90) NS(-1456.57) EW(-2224.52) TEMP(0.0)

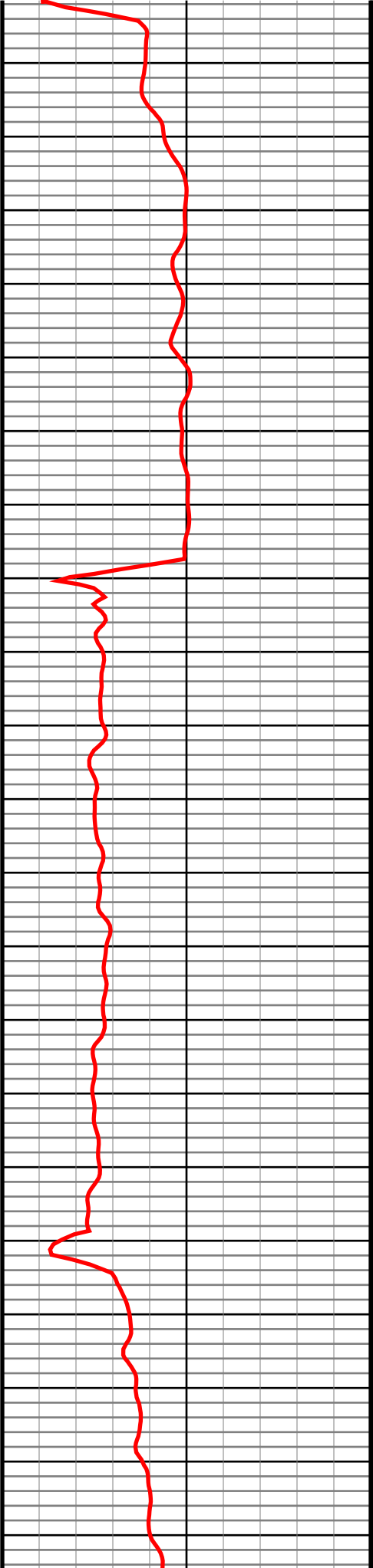


#107 MD(9480.00) Inc(91.6) Azm(270.2) TVD(6874.79)  
VS(2555.29) NS(-1457.37) EW(-2316.51) TEMP(0.0)

#108 MD(9572.00) Inc(91.6) Azm(269.8) TVD(6872.22)  
VS(2645.51) NS(-1457.37) EW(-2408.47) TEMP(0.0)



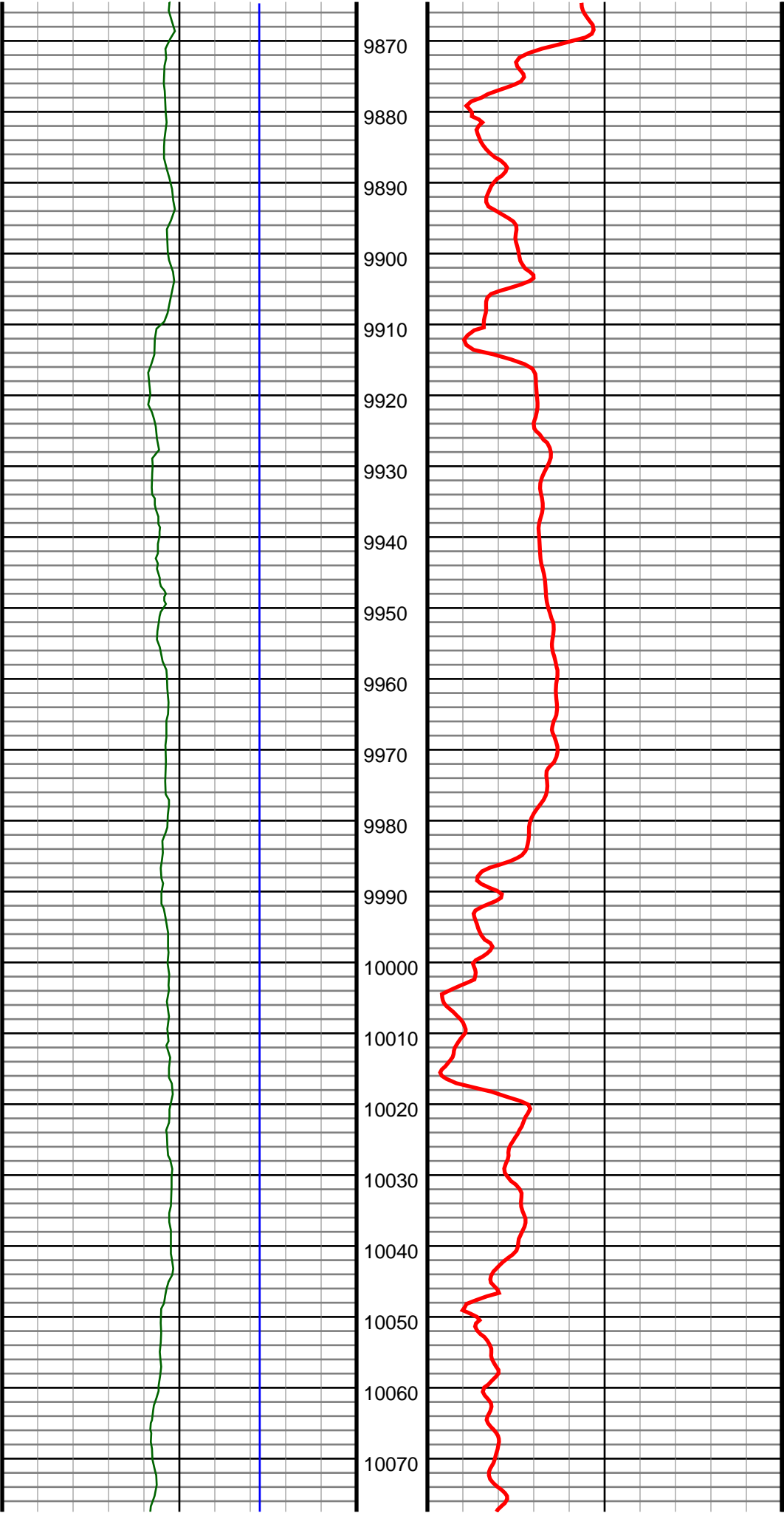
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#109 MD(9664.00) Inc(90.4) Azm(269.5) TVD(6870.62)  
VS(2735.85) NS(-1457.93) EW(-2500.46) TEMP(0.0)

#110 MD(9756.00) Inc(90.0) Azm(268.9) TVD(6870.29)  
VS(2826.34) NS(-1459.22) EW(-2592.45) TEMP(0.0)

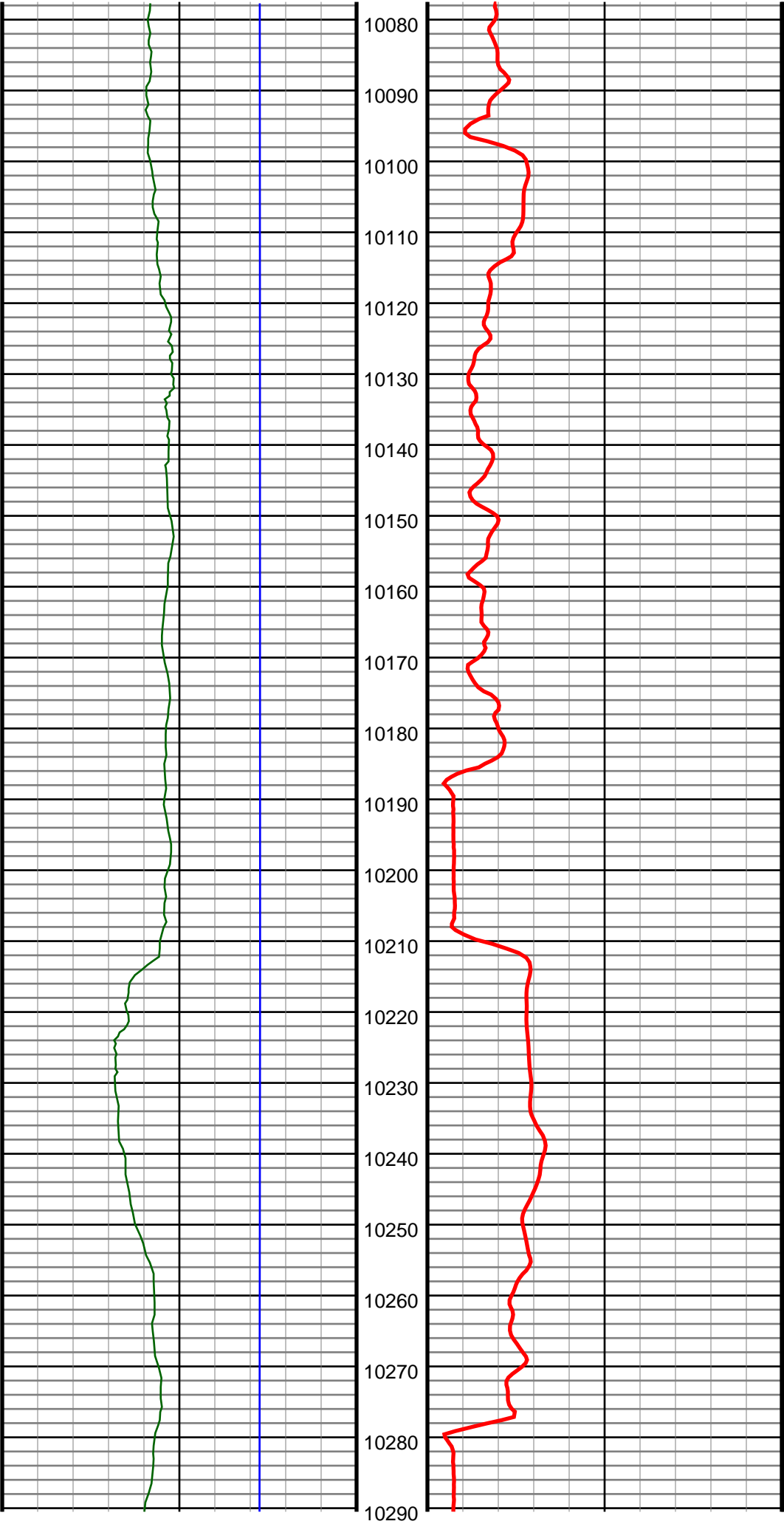
#111 MD(9847.00) Inc(90.0) Azm(269.1) TVD(6870.29)  
VS(2915.91) NS(-1460.81) EW(-2683.43) TEMP(0.0)



#112 MD(9939.00) Inc(89.0) Azm(267.5) TVD(6871.10)  
VS(3006.64) NS(-1463.53) EW(-2775.38) TEMP(0.0)

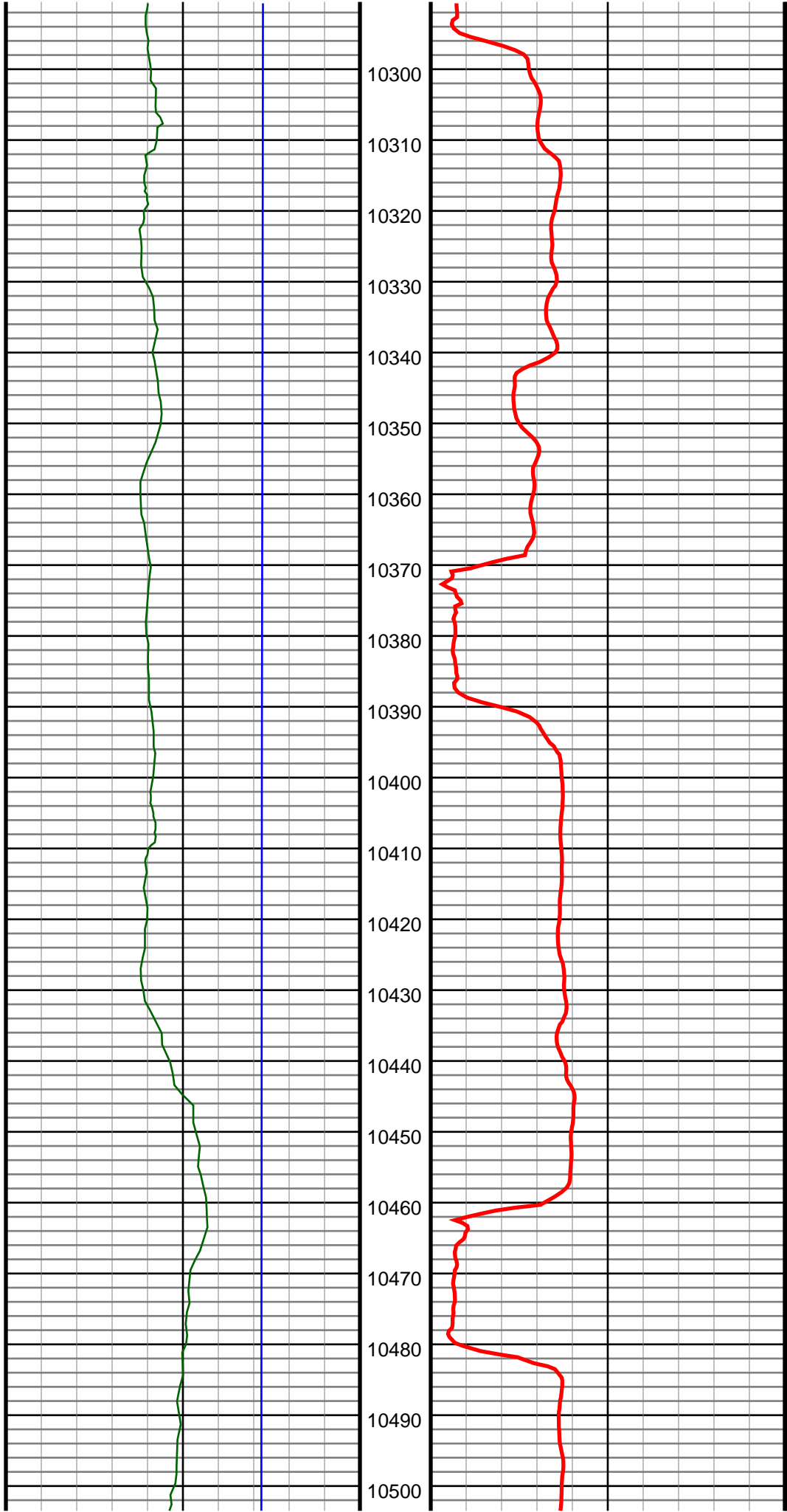
#113 MD(10031.00) Inc(90.2) Azm(268.2) TVD(6871.74)  
VS(3097.49) NS(-1466.99) EW(-2867.32) TEMP(0.0)





#114 MD(10122.00) Inc(88.5) Azm(265.8) TVD(6872.77)  
VS(3187.55) NS(-1471.75) EW(-2958.17) TEMP(0.0)

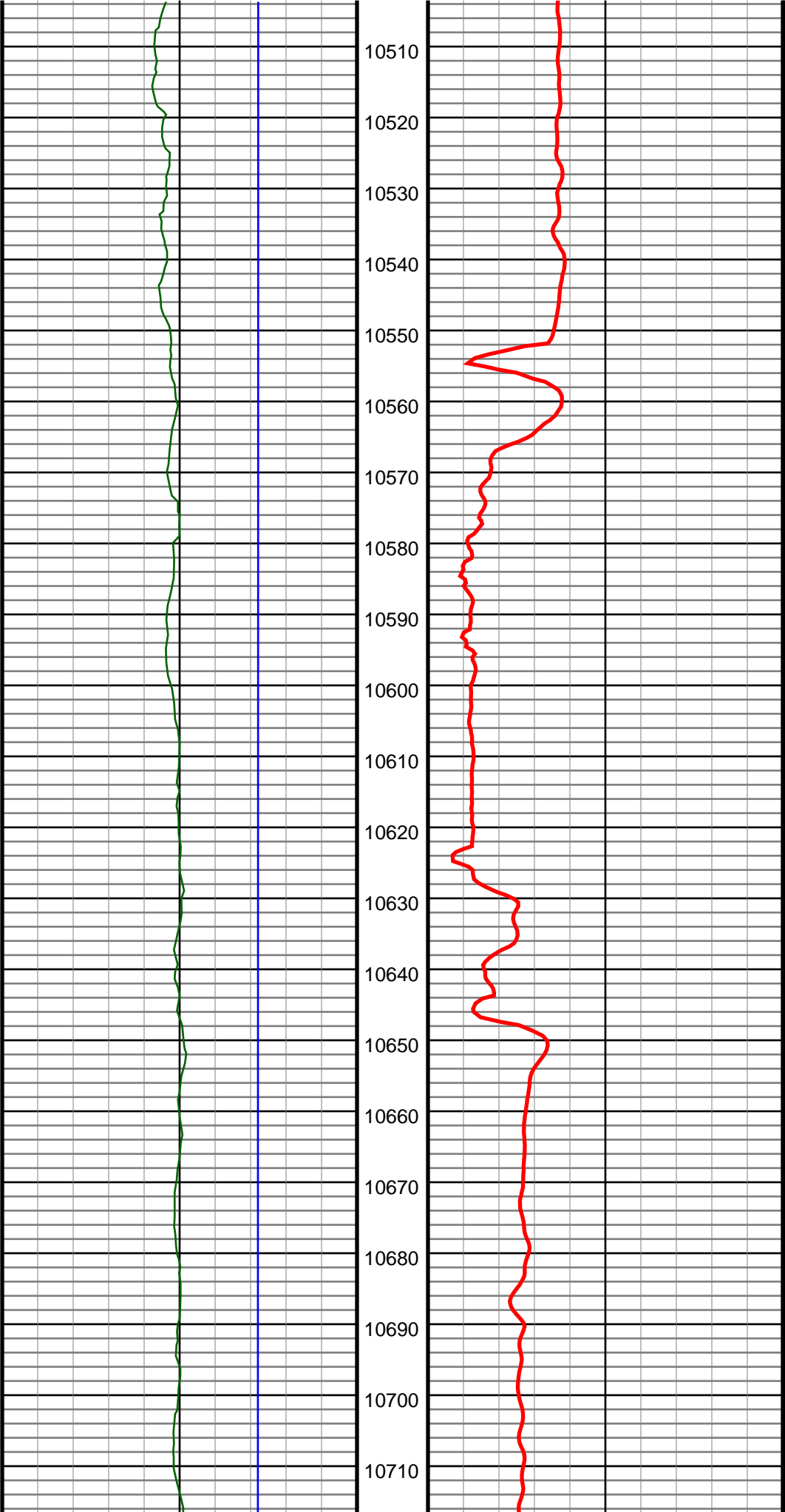
#115 MD(10214.00) Inc(90.8) Azm(267.7) TVD(6873.33)  
VS(3278.65) NS(-1476.96) EW(-3050.01) TEMP(0.0)



#116 MD(10306.00) Inc(92.2) Azm(268.9) TVD(6870.93)  
VS(3369.36) NS(-1479.69) EW(-3141.94) TEMP(0.0)

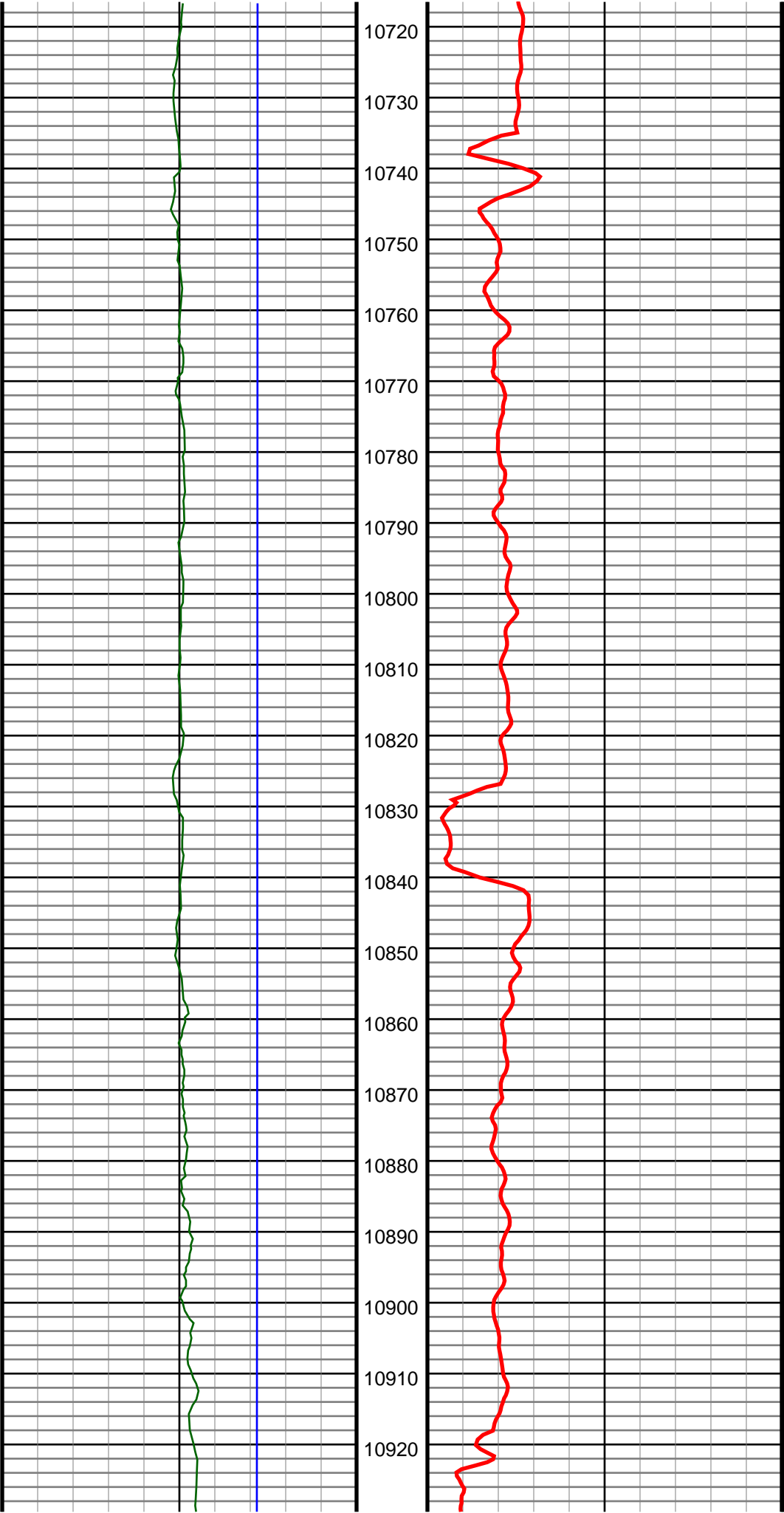
#117 MD(10398.00) Inc(91.9) Azm(270.9) TVD(6867.63)  
VS(3459.58) NS(-1479.85) EW(-3233.87) TEMP(0.0)

#118 MD(10490.00) Inc(90.2) Azm(269.5) TVD(6865.95)  
VS(3549.75) NS(-1479.53) EW(-3325.85) TEMP(0.0)



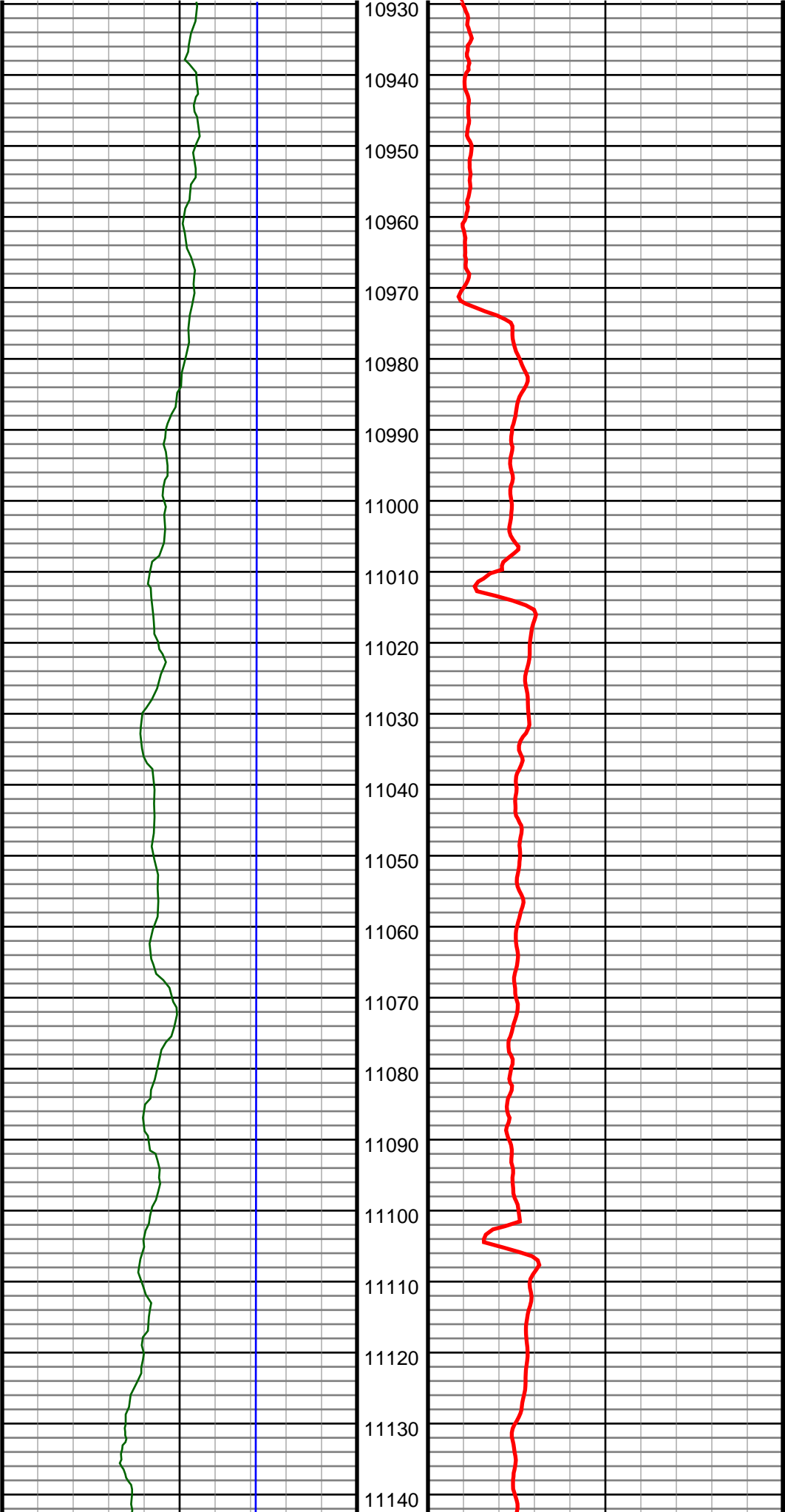
#119 MD(10582.00) Inc(90.3) Azm(269.6) TVD(6865.55)  
VS(3640.14) NS(-1480.25) EW(-3417.85) TEMP(0.0)

#120 MD(10673.00) Inc(90.5) Azm(269.5) TVD(6864.91)  
VS(3729.54) NS(-1480.97) EW(-3508.84) TEMP(0.0)



#121 MD(10765.00) Inc(90.0) Azm(269.1) TVD(6864.51)  
VS(3820.00) NS(-1482.09) EW(-3600.84) TEMP(0.0)

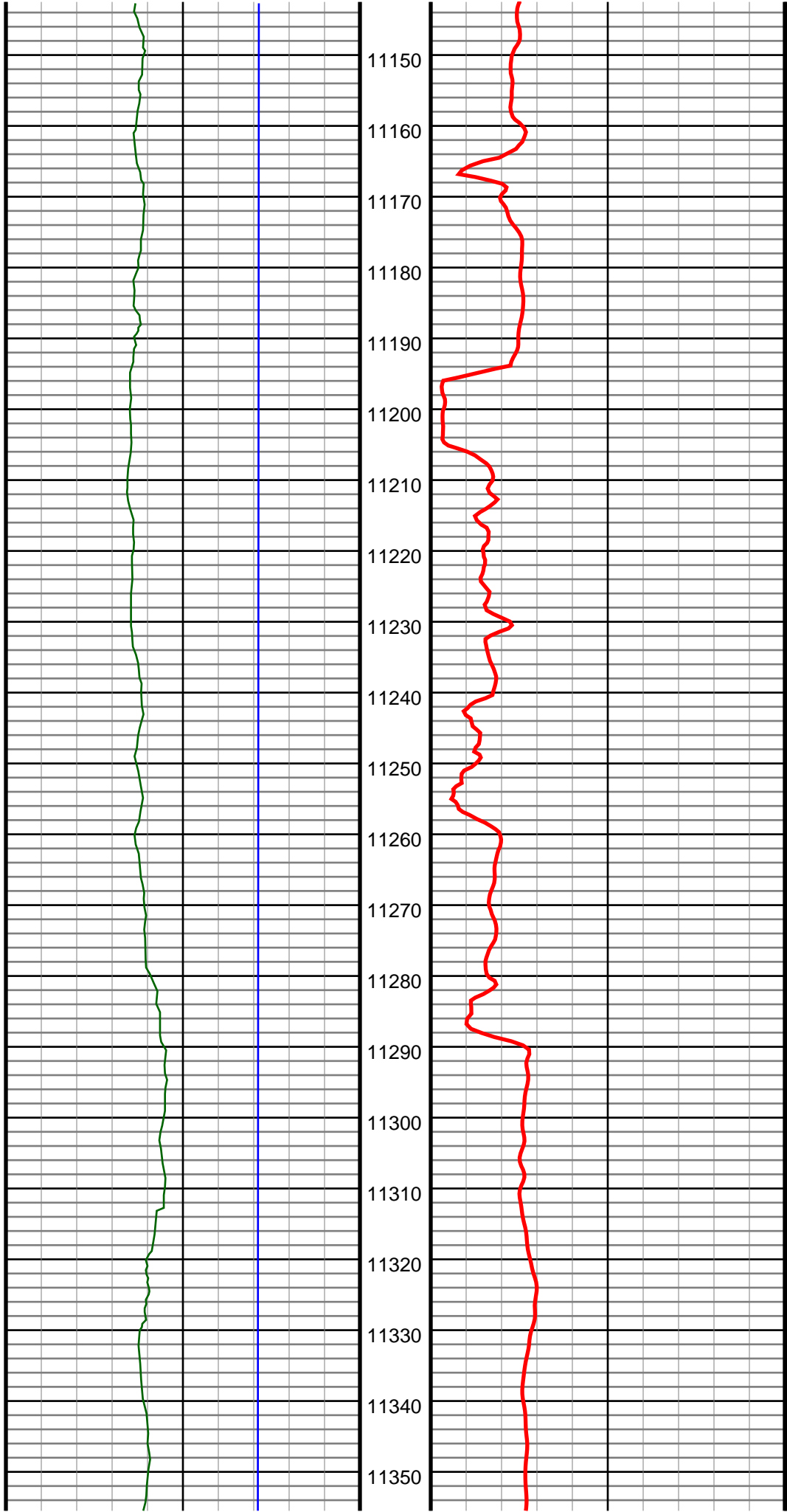
#122 MD(10857.00) Inc(91.0) Azm(269.5) TVD(6863.71)  
VS(3910.46) NS(-1483.22) EW(-3692.82) TEMP(0.0)



#123 MD(10949.00) Inc(91.2) Azm(268.8) TVD(6861.94)  
VS(4000.95) NS(-1484.58) EW(-3784.80) TEMP(0.0)

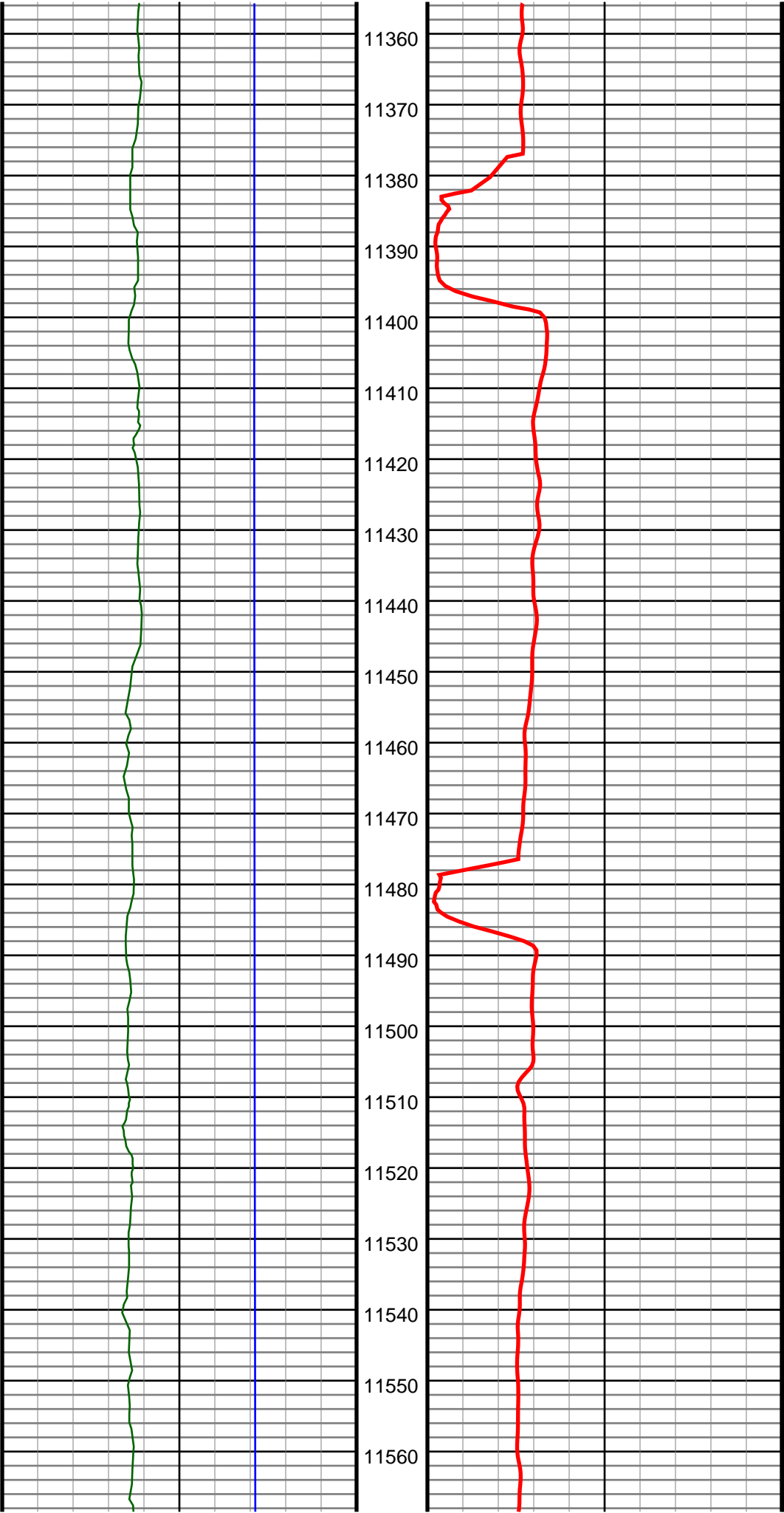
#124 MD(11041.00) Inc(91.4) Azm(268.9) TVD(6859.85)  
VS(4091.51) NS(-1486.43) EW(-3876.75) TEMP(0.0)

#125 MD(11133.00) Inc(91.5) Azm(268.9) TVD(6857.53)  
VS(4182.06) NS(-1488.19) EW(-3968.71) TEMP(0.0)



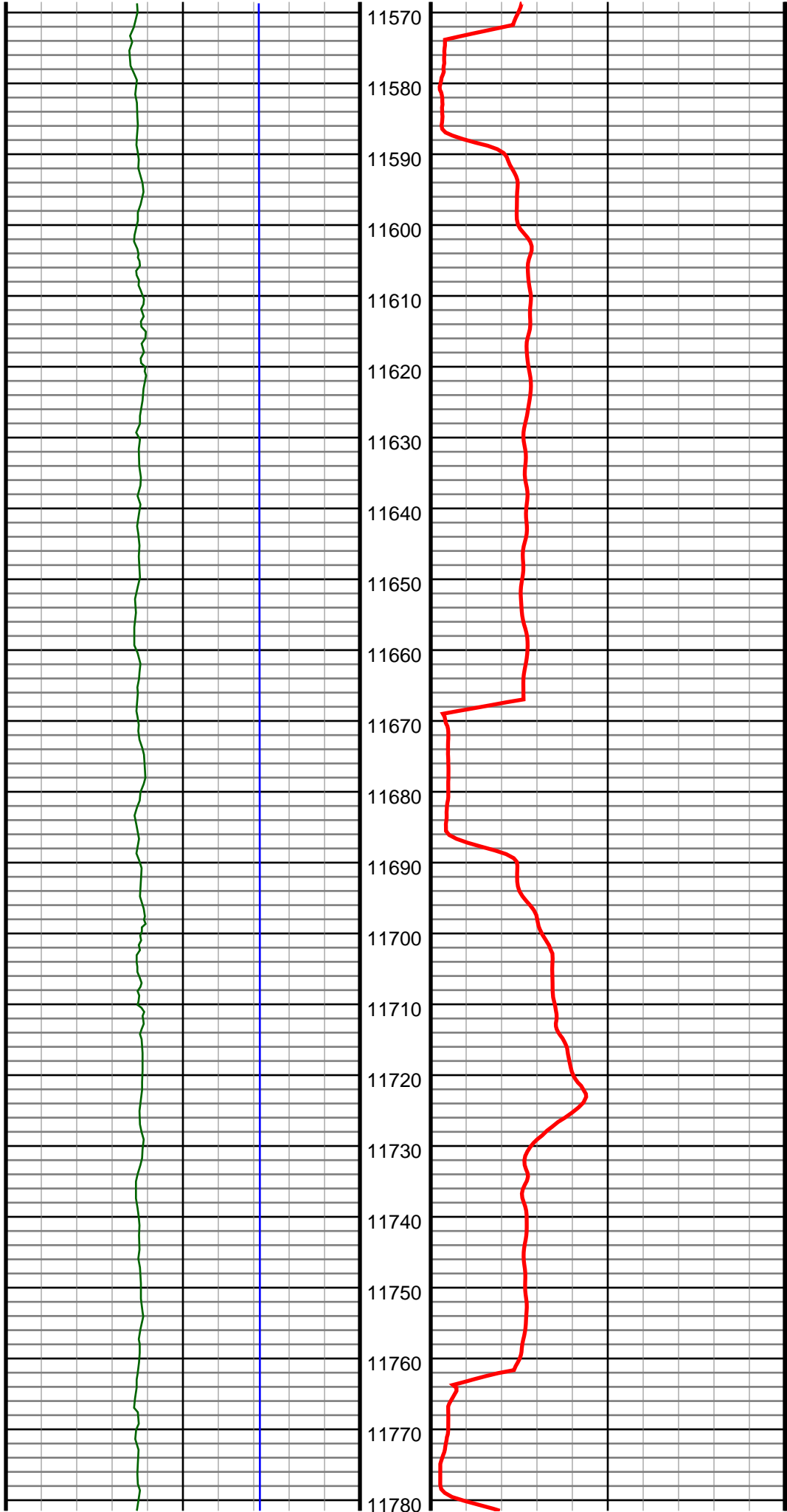
#126 MD(11225.00) Inc(90.6) Azm(268.8) TVD(6855.84)  
VS(4272.64) NS(-1490.04) EW(-4060.67) TEMP(0.0)

#127 MD(11317.00) Inc(91.2) Azm(269.1) TVD(6854.39)  
VS(4363.19) NS(-1491.72) EW(-4152.65) TEMP(0.0)



#128 MD(11412.00) Inc(90.0) Azm(268.6) TVD(6853.40)  
VS(4456.73) NS(-1493.63) EW(-4247.62) TEMP(0.0)

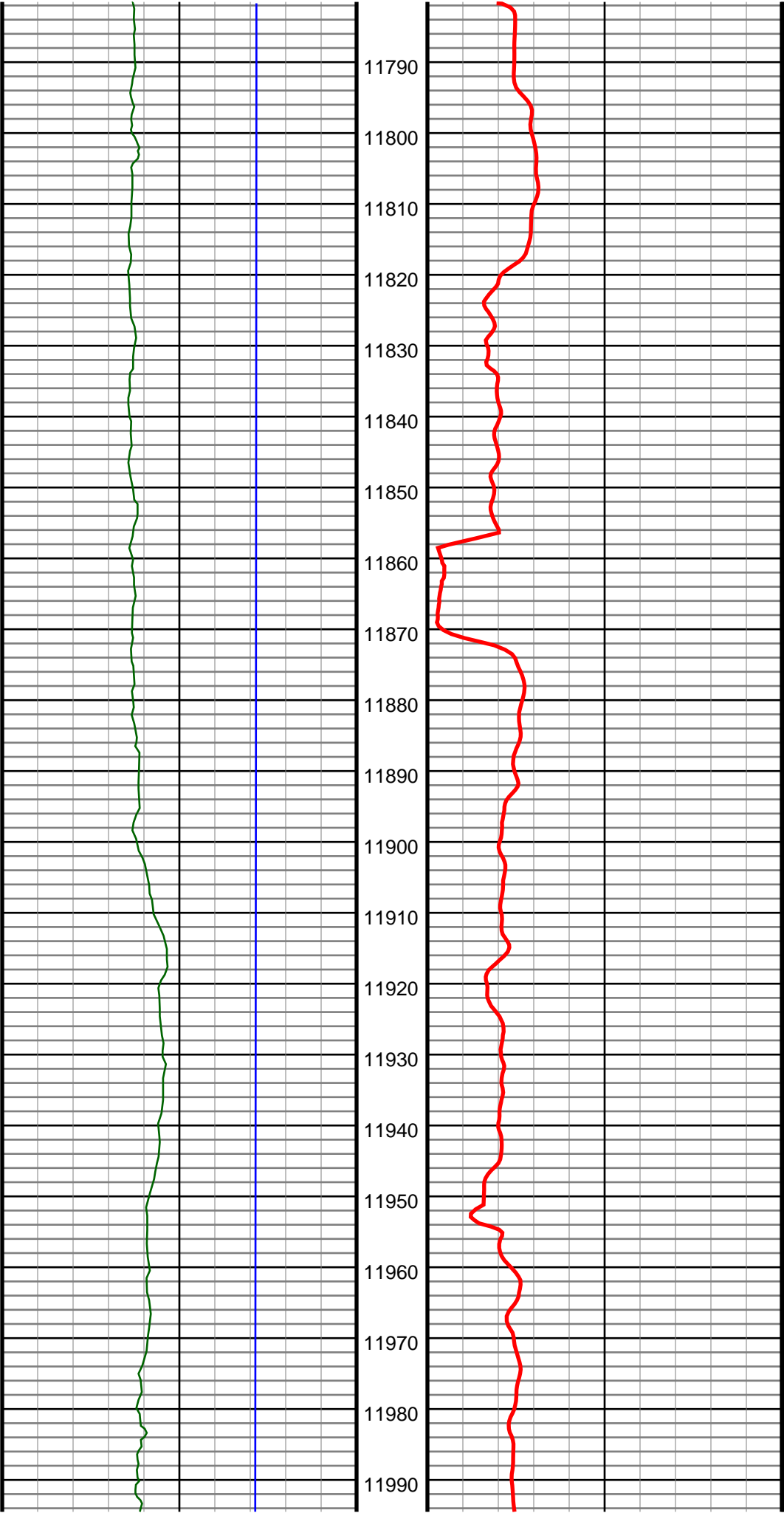
#129 MD(11507.00) Inc(88.2) Azm(267.7) TVD(6854.89)  
VS(4550.45) NS(-1496.70) EW(-4342.55) TEMP(0.0)



#130 MD(11602.00) Inc(87.7) Azm(268.9) TVD(6858.29)  
VS(4644.09) NS(-1499.51) EW(-4437.45) TEMP(0.0)

#131 MD(11697.00) Inc(89.4) Azm(268.4) TVD(6860.69)  
VS(4737.66) NS(-1501.75) EW(-4532.39) TEMP(0.0)





#132 MD(11792.00) Inc(90.4) Azm(269.8) TVD(6860.86)  
VS(4831.13) NS(-1503.24) EW(-4627.37) TEMP(0.0)

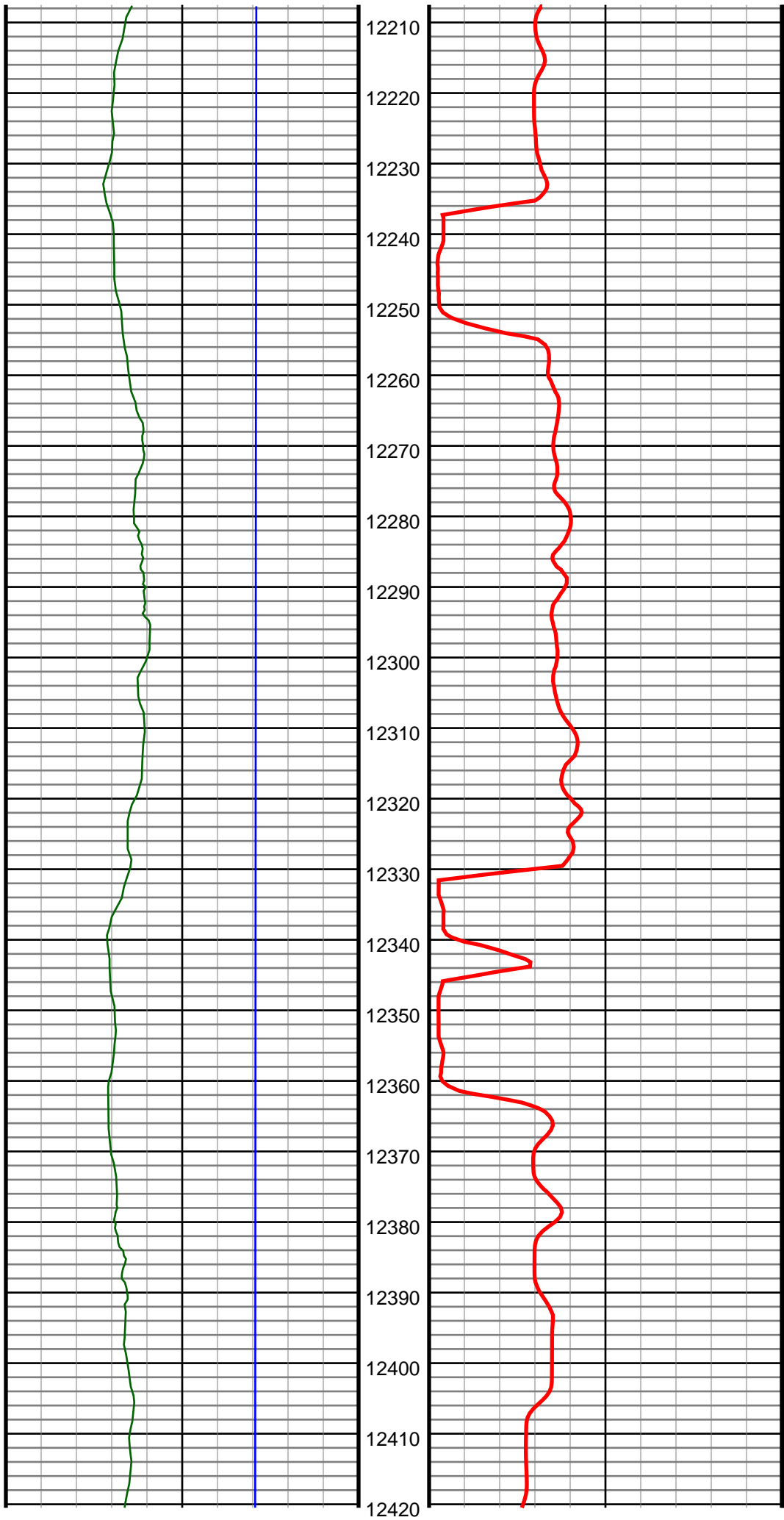
#133 MD(11888.00) Inc(91.5) Azm(269.3) TVD(6859.27)  
VS(4925.43) NS(-1504.00) EW(-4723.35) TEMP(0.0)

#134 MD(11983.00) Inc(91.1) Azm(268.6) TVD(6857.11)  
VS(5018.92) NS(-1505.74) EW(-4818.31) TEMP(0.0)



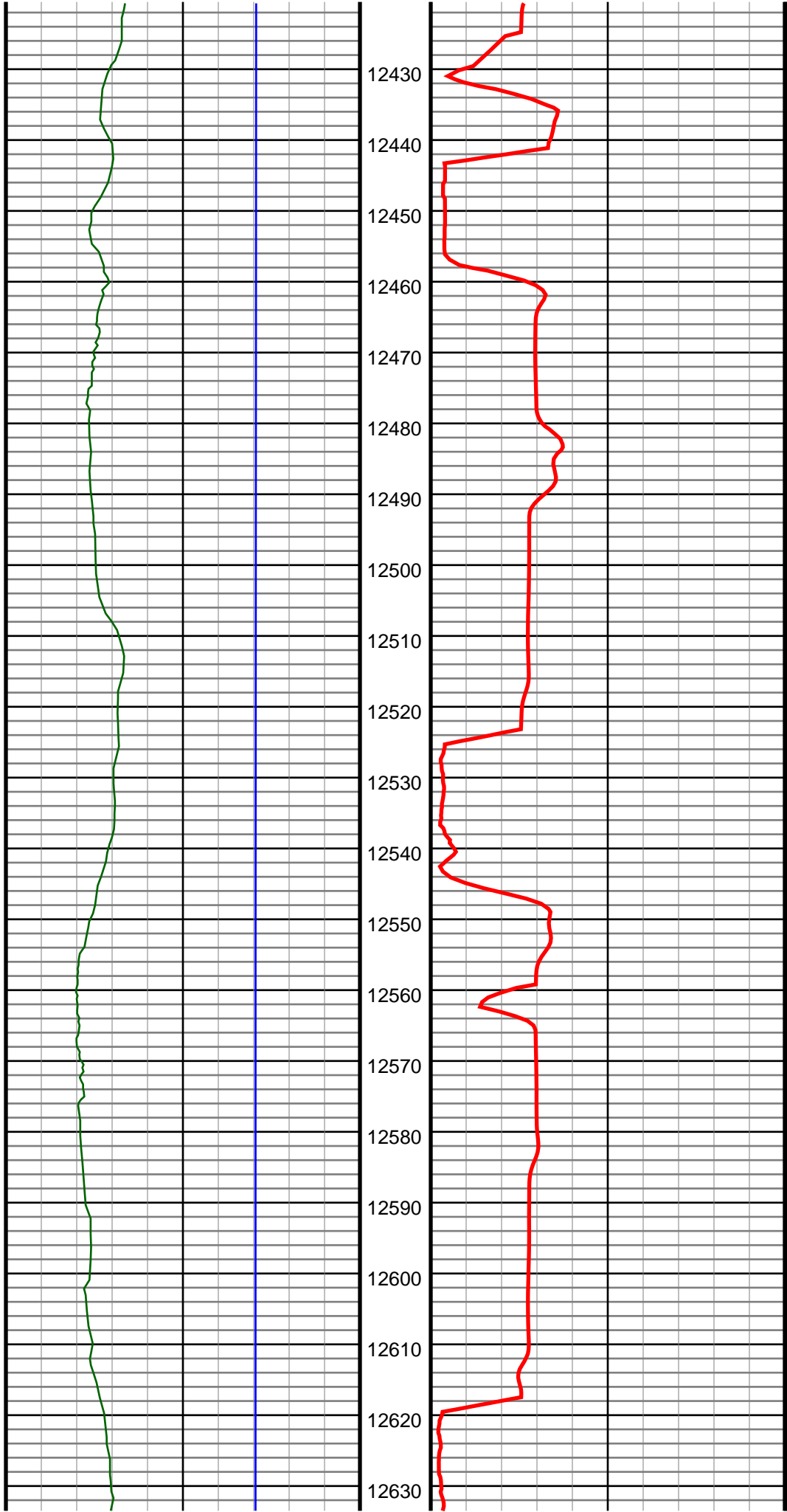
#135 MD(12078.00) Inc(91.2) Azm(269.8) TVD(6855.21)  
VS(5112.34) NS(-1507.06) EW(-4913.28) TEMP(0.0)

#136 MD(12173.00) Inc(91.5) Azm(269.1) TVD(6852.97)  
VS(5205.68) NS(-1507.97) EW(-5008.25) TEMP(0.0)



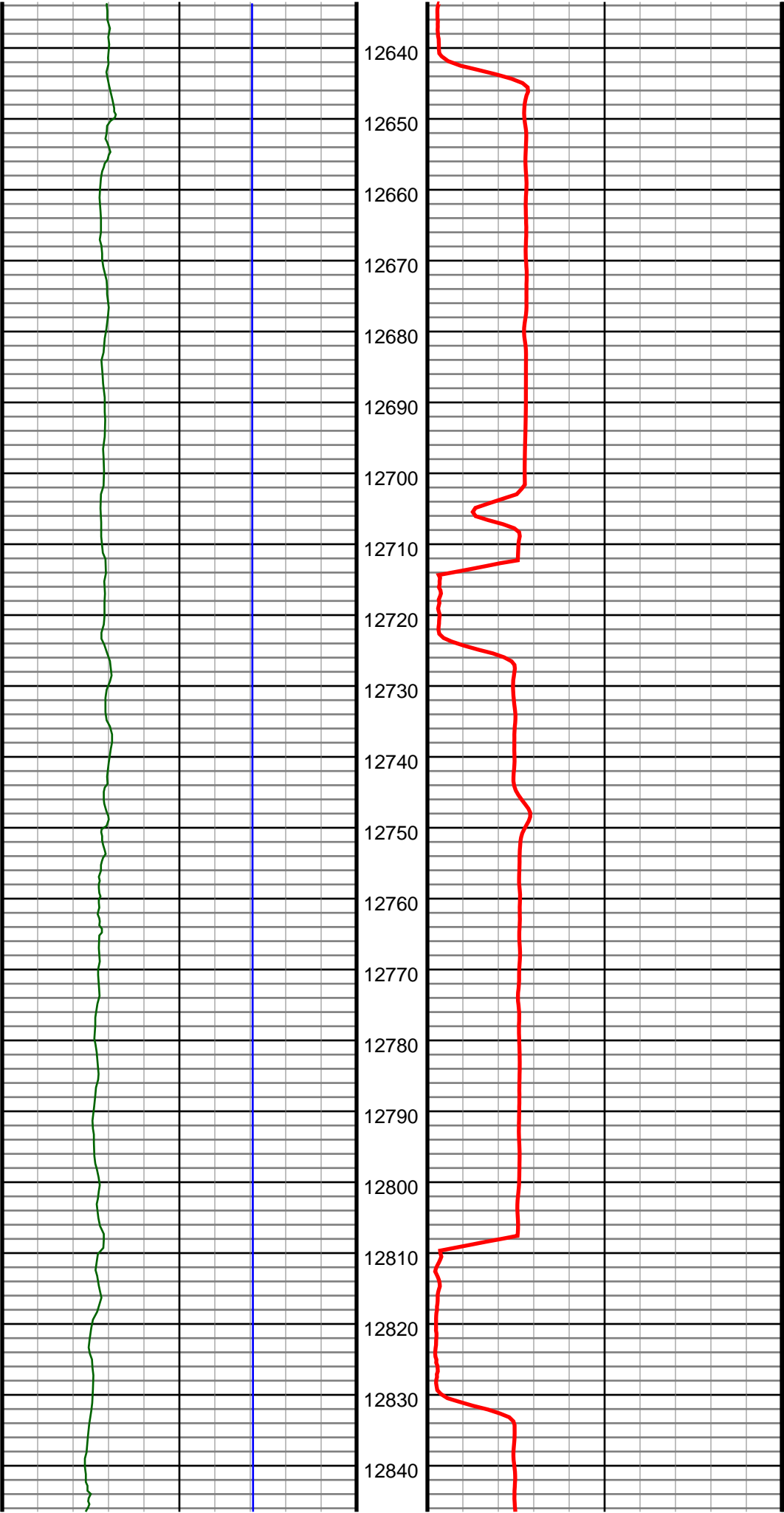
#137 MD(12269.00) Inc(91.3) Azm(270.0) TVD(6850.62)  
VS(5299.97) NS(-1508.73) EW(-5104.22) TEMP(0.0)

#138 MD(12364.00) Inc(90.6) Azm(271.2) TVD(6849.05)  
VS(5392.95) NS(-1507.73) EW(-5199.20) TEMP(0.0)



#139 MD(12459.00) Inc(90.9) Azm(270.9) TVD(6847.80)  
VS(5485.78) NS(-1505.99) EW(-5294.17) TEMP(0.0)

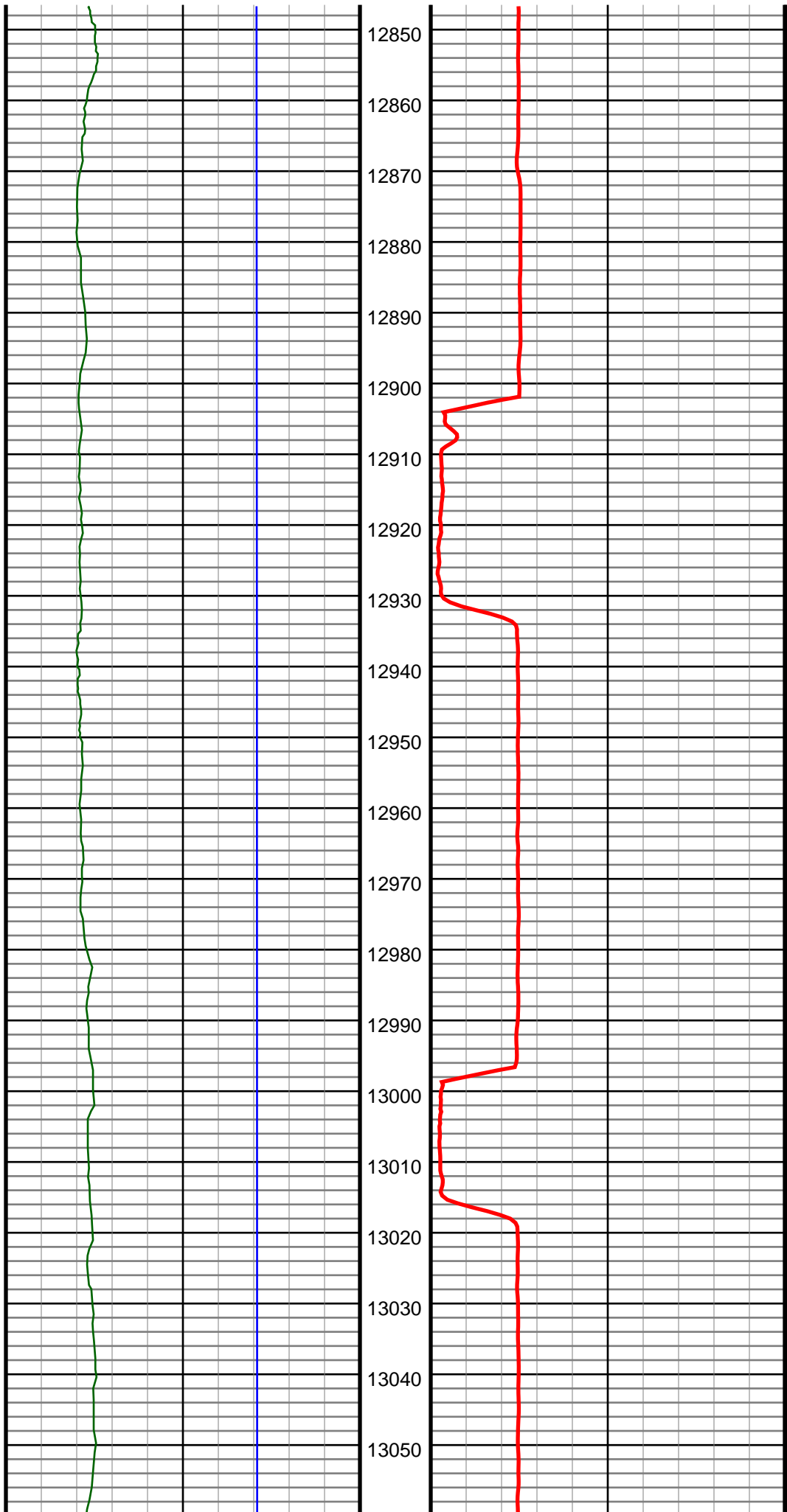
#140 MD(12554.00) Inc(90.9) Azm(271.0) TVD(6846.31)  
VS(5578.65) NS(-1504.42) EW(-5389.15) TEMP(0.0)



#141 MD(12649.00) Inc(89.3) Azm(270.5) TVD(6846.15)  
VS(5671.59) NS(-1503.17) EW(-5484.14) TEMP(0.0)

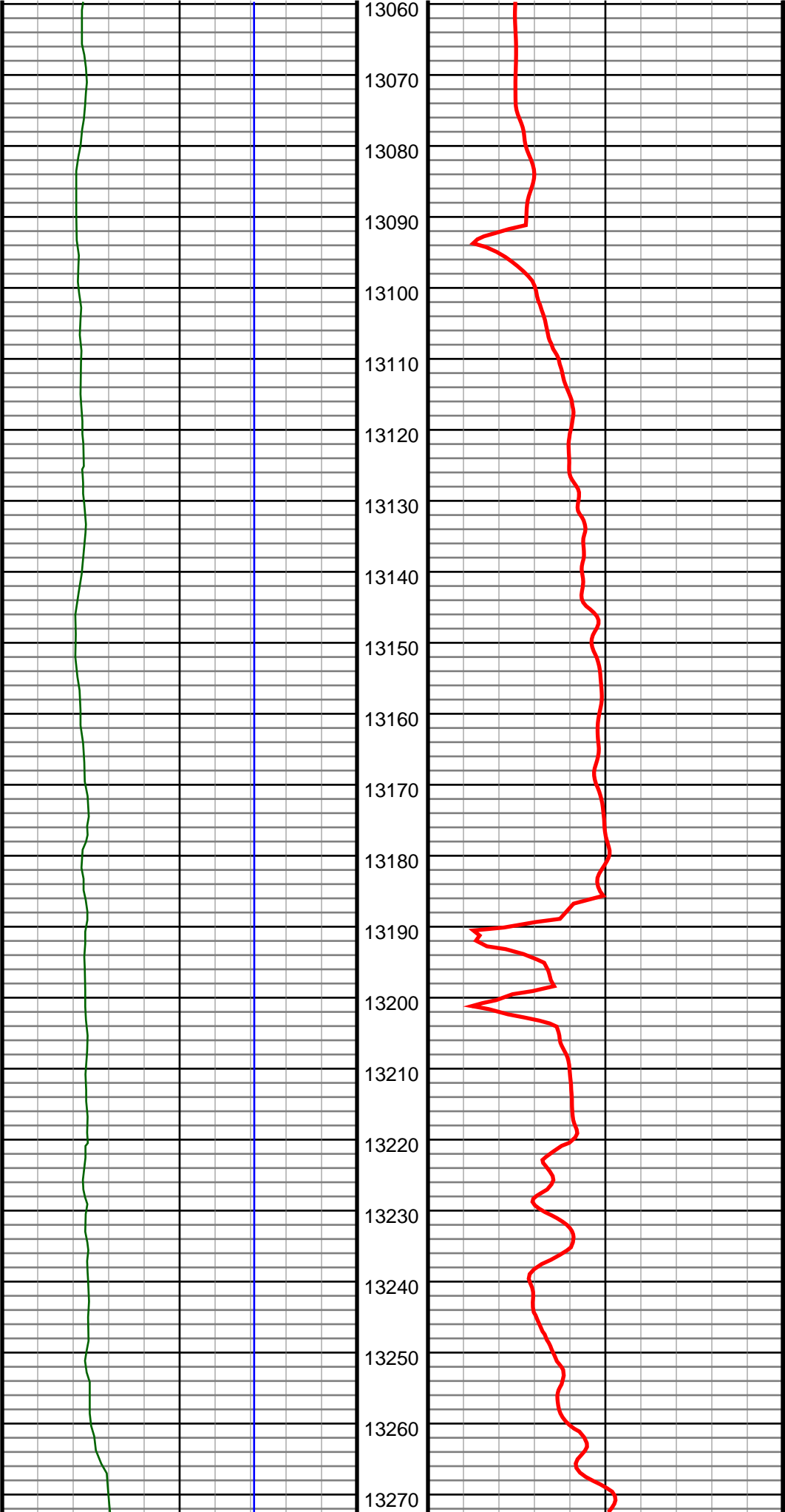
#142 MD(12744.00) Inc(89.2) Azm(271.2) TVD(6847.39)  
VS(5764.49) NS(-1501.76) EW(-5579.12) TEMP(0.0)

#143 MD(12840.00) Inc(88.4) Azm(270.5) TVD(6849.40)  
VS(5858.36) NS(-1500.34) EW(-5675.09) TEMP(0.0)



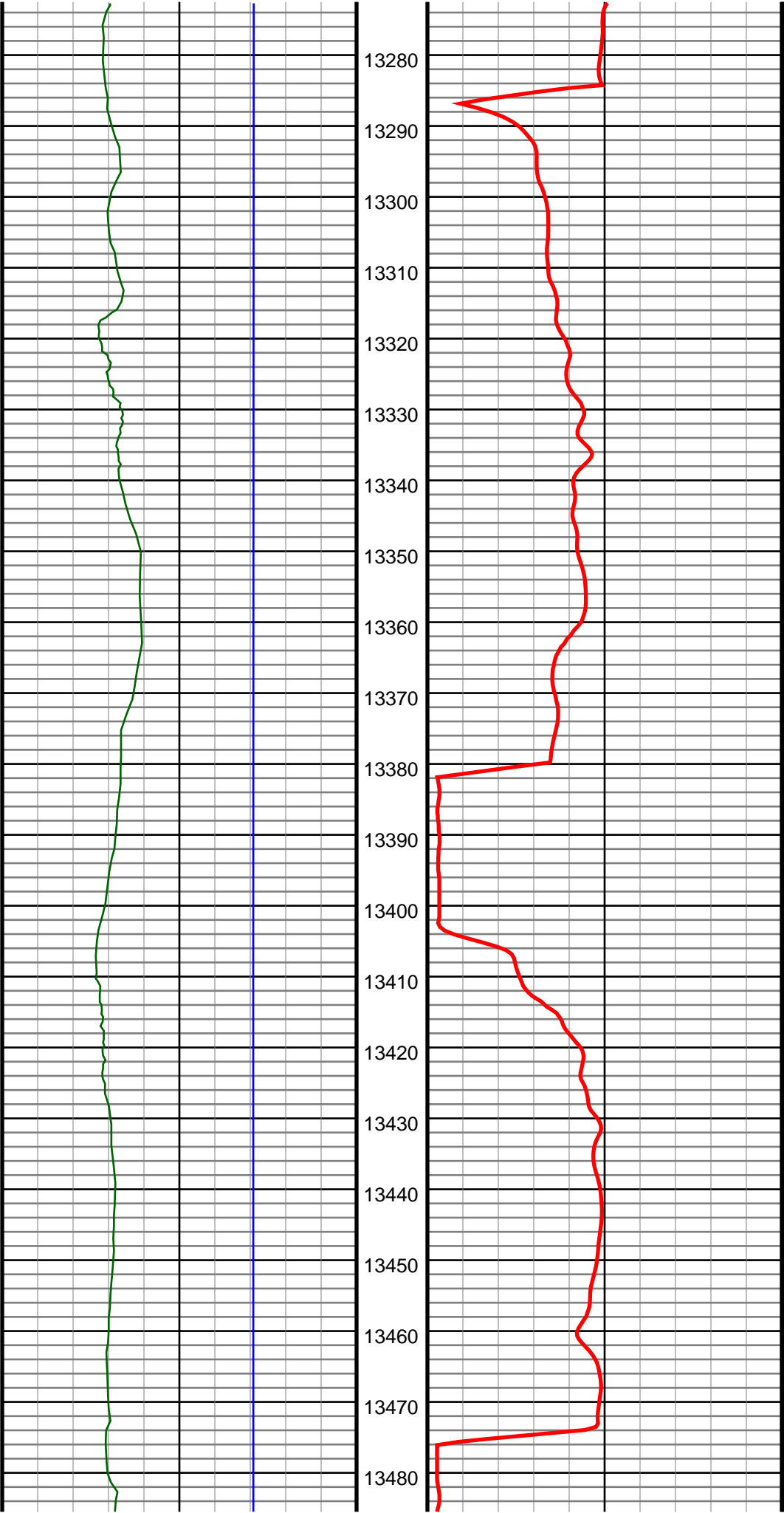
#144 MD(12935.00) Inc(90.0) Azm(269.1) TVD(6850.73)  
VS(5951.60) NS(-1500.67) EW(-5770.07) TEMP(0.0)

#145 MD(13030.00) Inc(89.2) Azm(268.1) TVD(6851.39)  
VS(6045.21) NS(-1502.99) EW(-5865.04) TEMP(0.0)



#146 MD(13125.00) Inc(89.7) Azm(268.8) TVD(6852.30)  
VS(6138.87) NS(-1505.56) EW(-5960.00) TEMP(0.0)

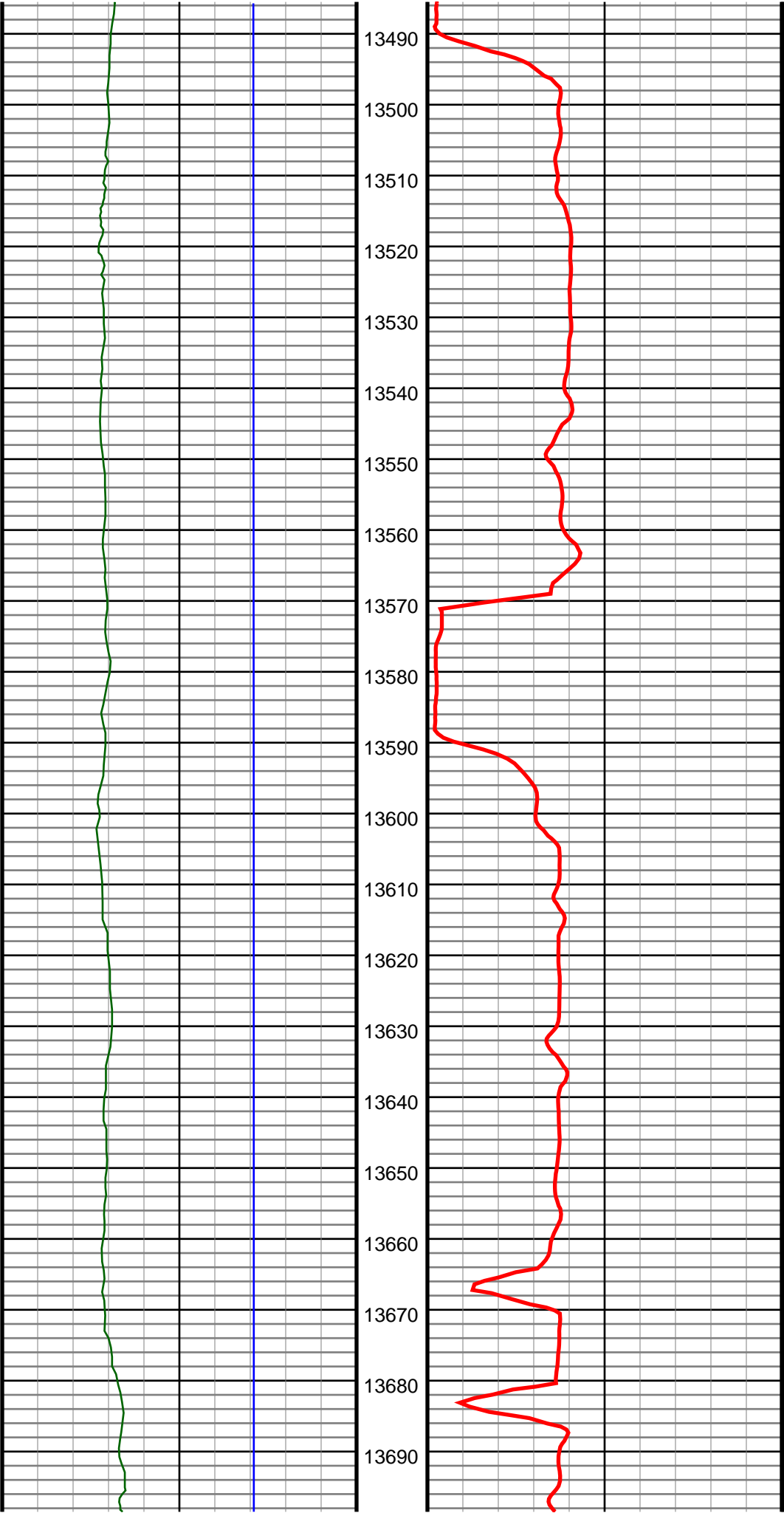
#147 MD(13221.00) Inc(90.1) Azm(269.1) TVD(6852.47)  
VS(6233.37) NS(-1507.32) EW(-6055.98) TEMP(0.0)



#148 MD(13316.00) Inc(91.4) Azm(269.5) TVD(6851.23)  
VS(6326.77) NS(-1508.48) EW(-6150.96) TEMP(0.0)

#149 MD(13411.00) Inc(90.0) Azm(268.6) TVD(6850.07)  
VS(6420.25) NS(-1510.06) EW(-6245.94) TEMP(0.0)

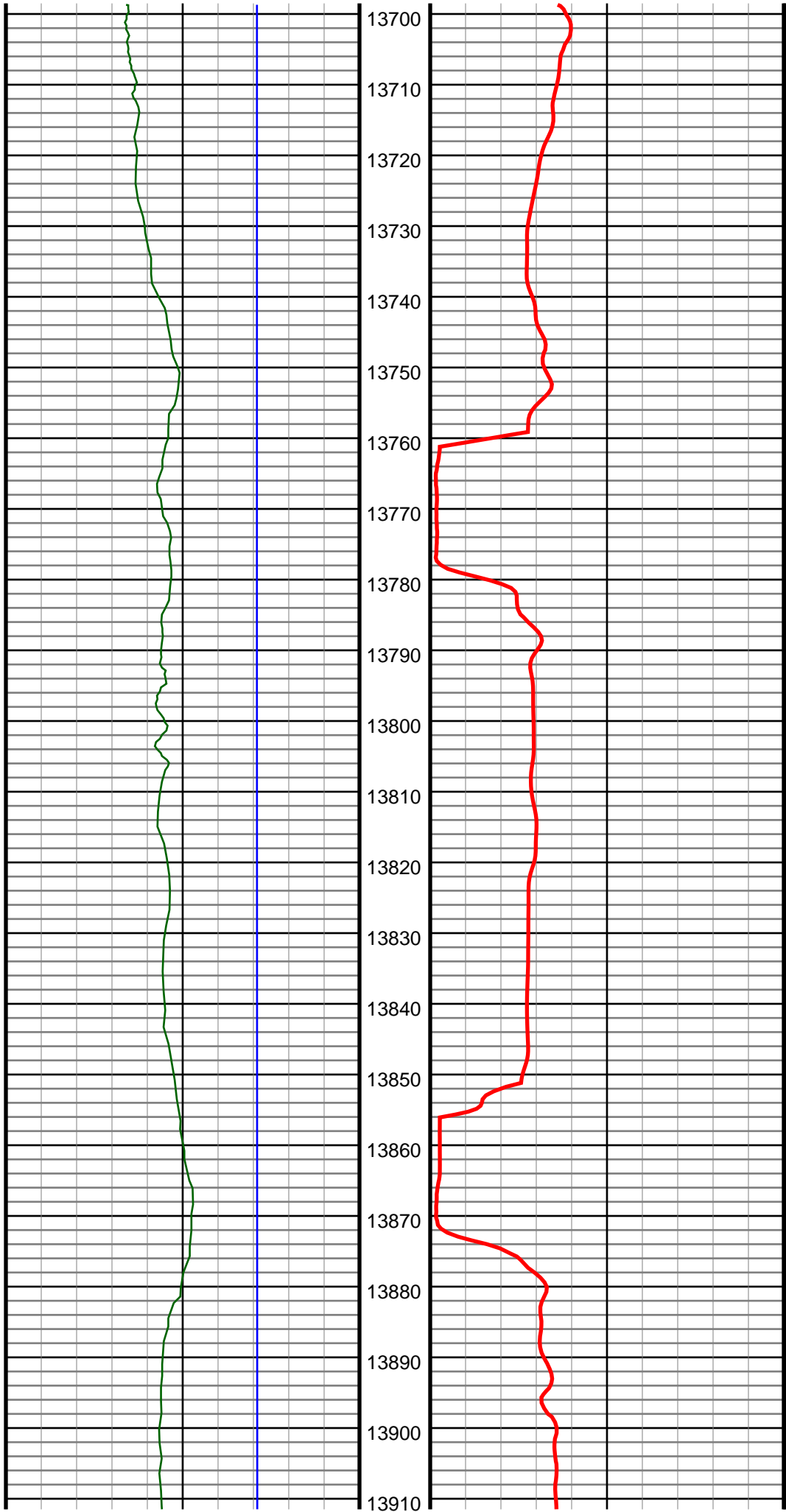




#150 MD(13506.00) Inc(89.4) Azm(268.6) TVD(6850.56)  
VS(6513.86) NS(-1512.38) EW(-6340.91) TEMP(0.0)

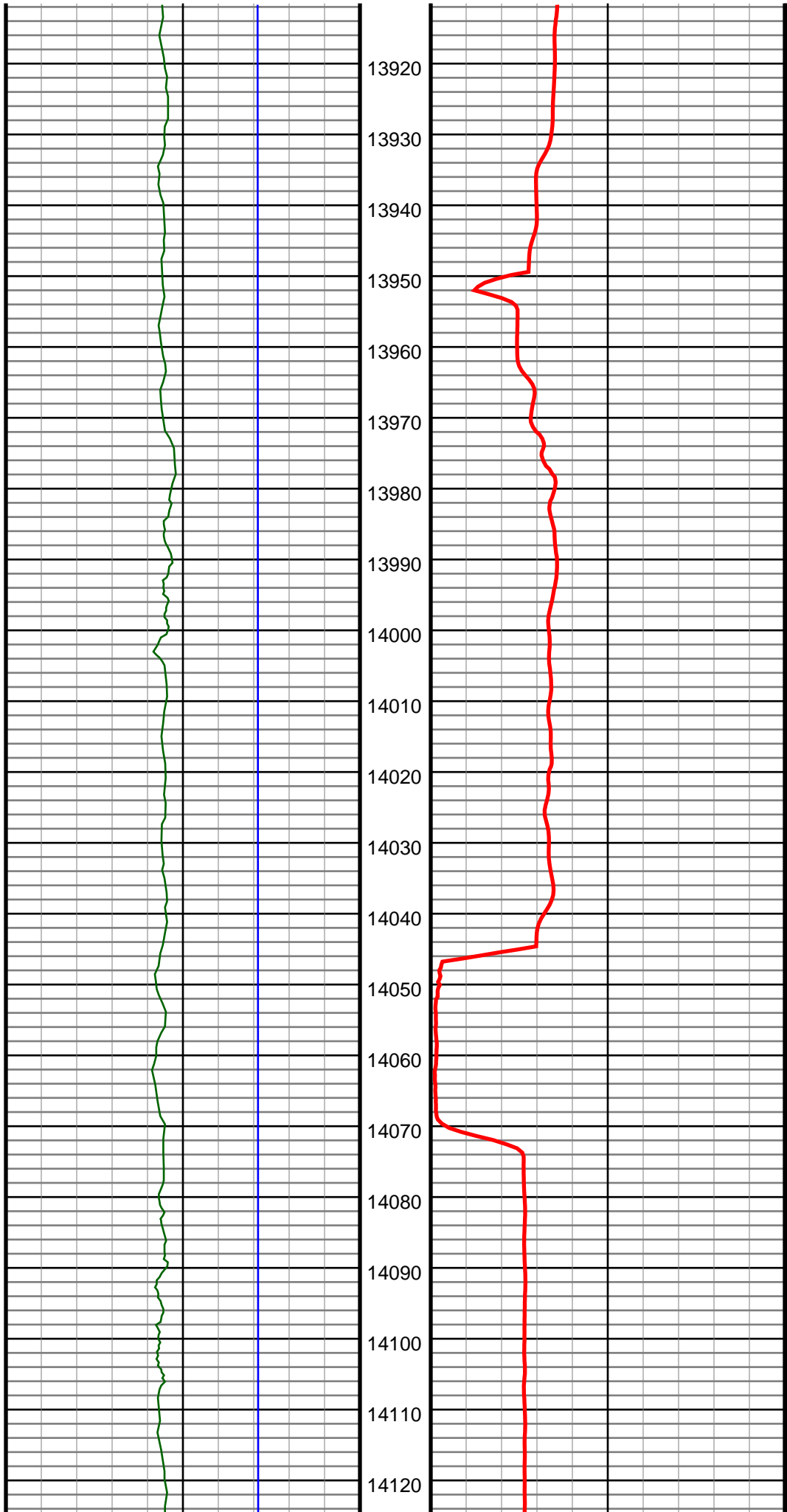
#151 MD(13601.00) Inc(89.2) Azm(267.7) TVD(6851.72)  
VS(6607.59) NS(-1515.45) EW(-6435.85) TEMP(0.0)

#152 MD(13696.00) Inc(90.4) Azm(267.4) TVD(6852.05)  
VS(6701.49) NS(-1519.51) EW(-6530.76) TEMP(0.0)



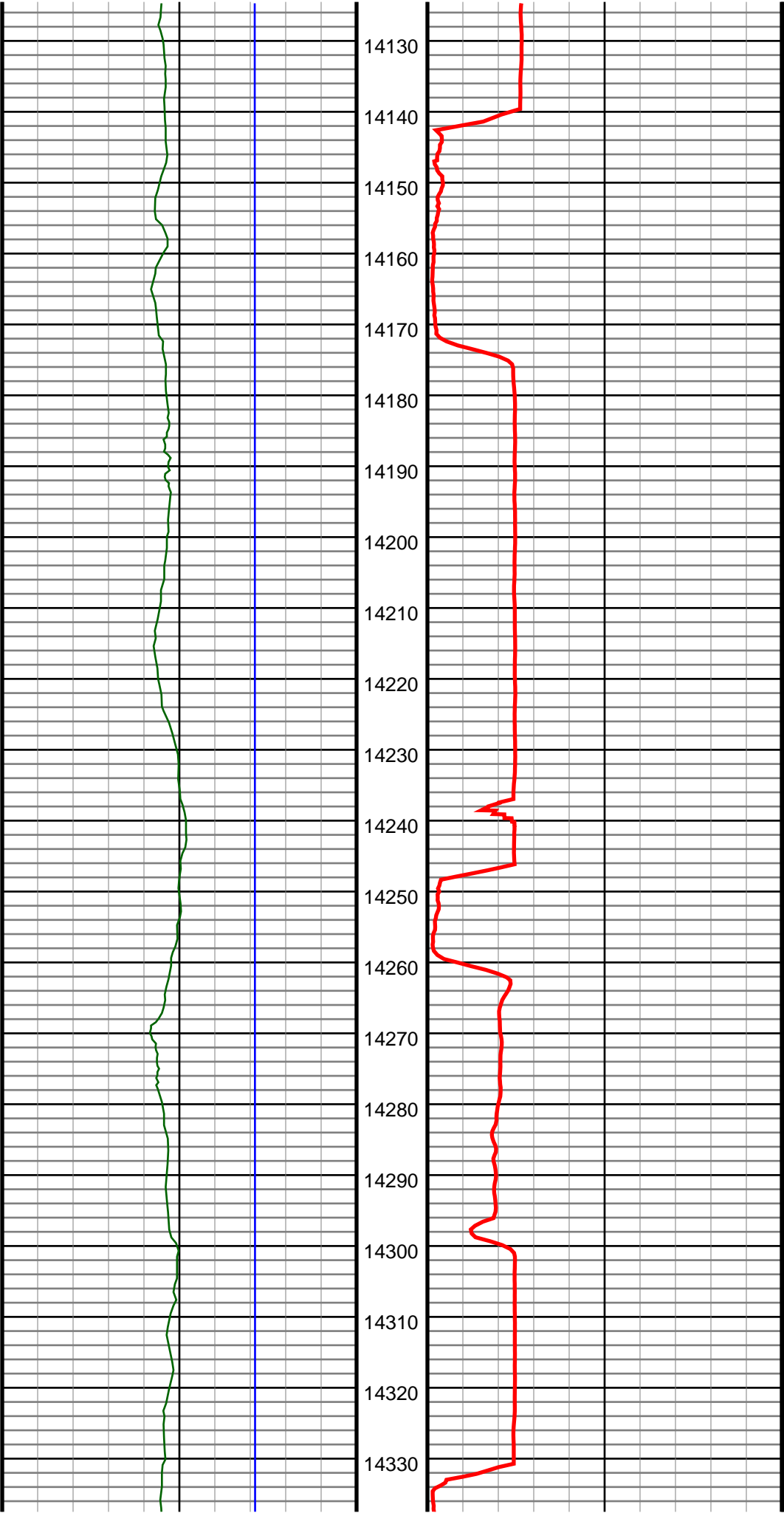
#153 MD(13791.00) Inc(89.8) Azm(267.2) TVD(6851.89)  
VS(6795.45) NS(-1523.98) EW(-6625.66) TEMP(0.0)

#154 MD(13886.00) Inc(89.1) Azm(267.7) TVD(6852.80)  
VS(6889.36) NS(-1528.21) EW(-6720.56) TEMP(0.0)



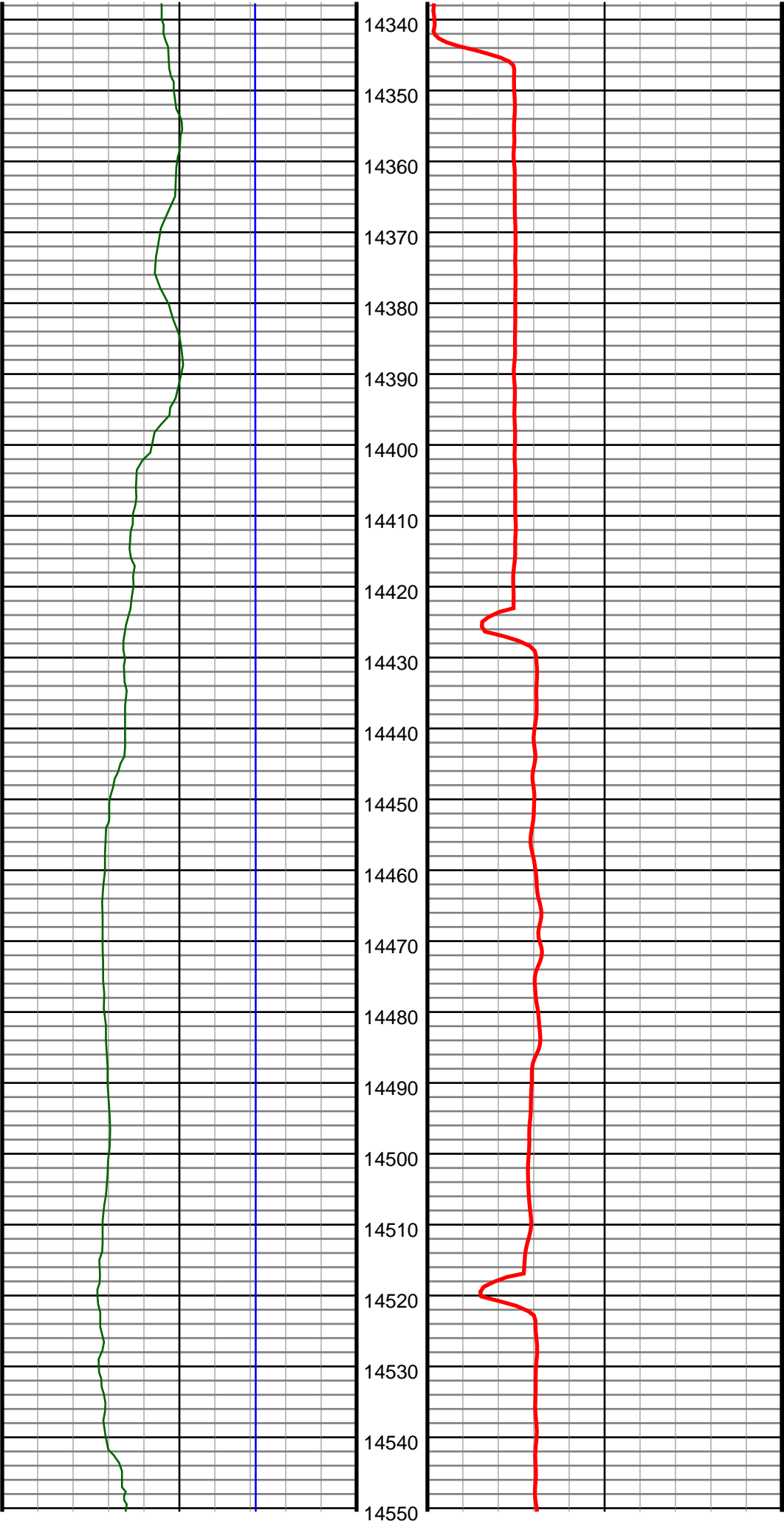
#155 MD(13981.00) Inc(89.5) Azm(266.5) TVD(6853.96)  
VS(6983.36) NS(-1533.01) EW(-6815.43) TEMP(0.0)

#156 MD(14076.00) Inc(89.7) Azm(268.2) TVD(6854.62)  
VS(7077.30) NS(-1537.41) EW(-6910.32) TEMP(0.0)



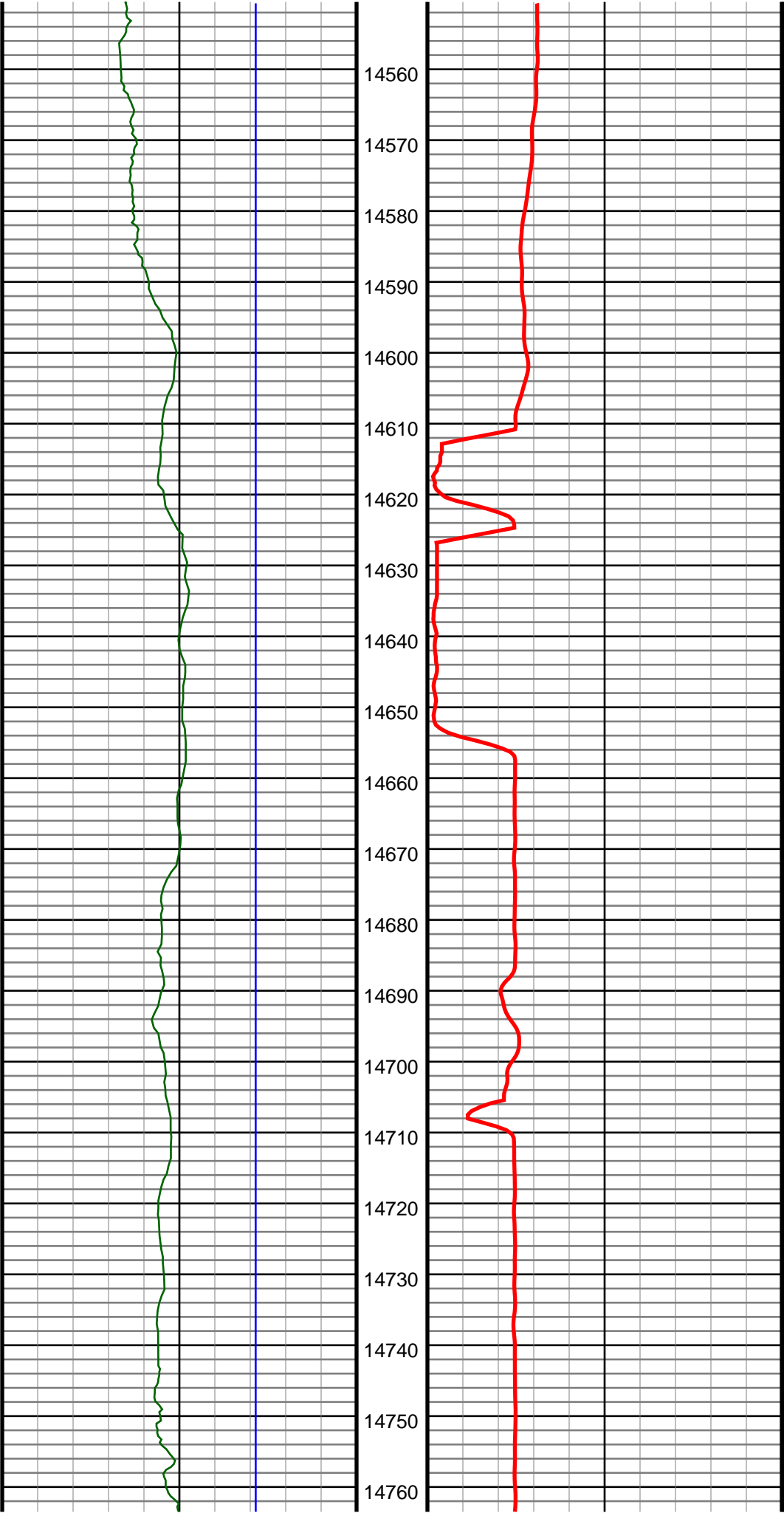
#157 MD(14171.00) Inc(89.2) Azm(268.6) TVD(6855.54)  
VS(7170.97) NS(-1540.06) EW(-7005.28) TEMP(0.0)

#158 MD(14266.00) Inc(90.5) Azm(270.2) TVD(6855.79)  
VS(7264.35) NS(-1541.05) EW(-7100.27) TEMP(0.0)



#159 MD(14361.00) Inc(88.5) Azm(271.0) TVD(6856.61)  
VS(7357.33) NS(-1540.06) EW(-7195.25) TEMP(0.0)

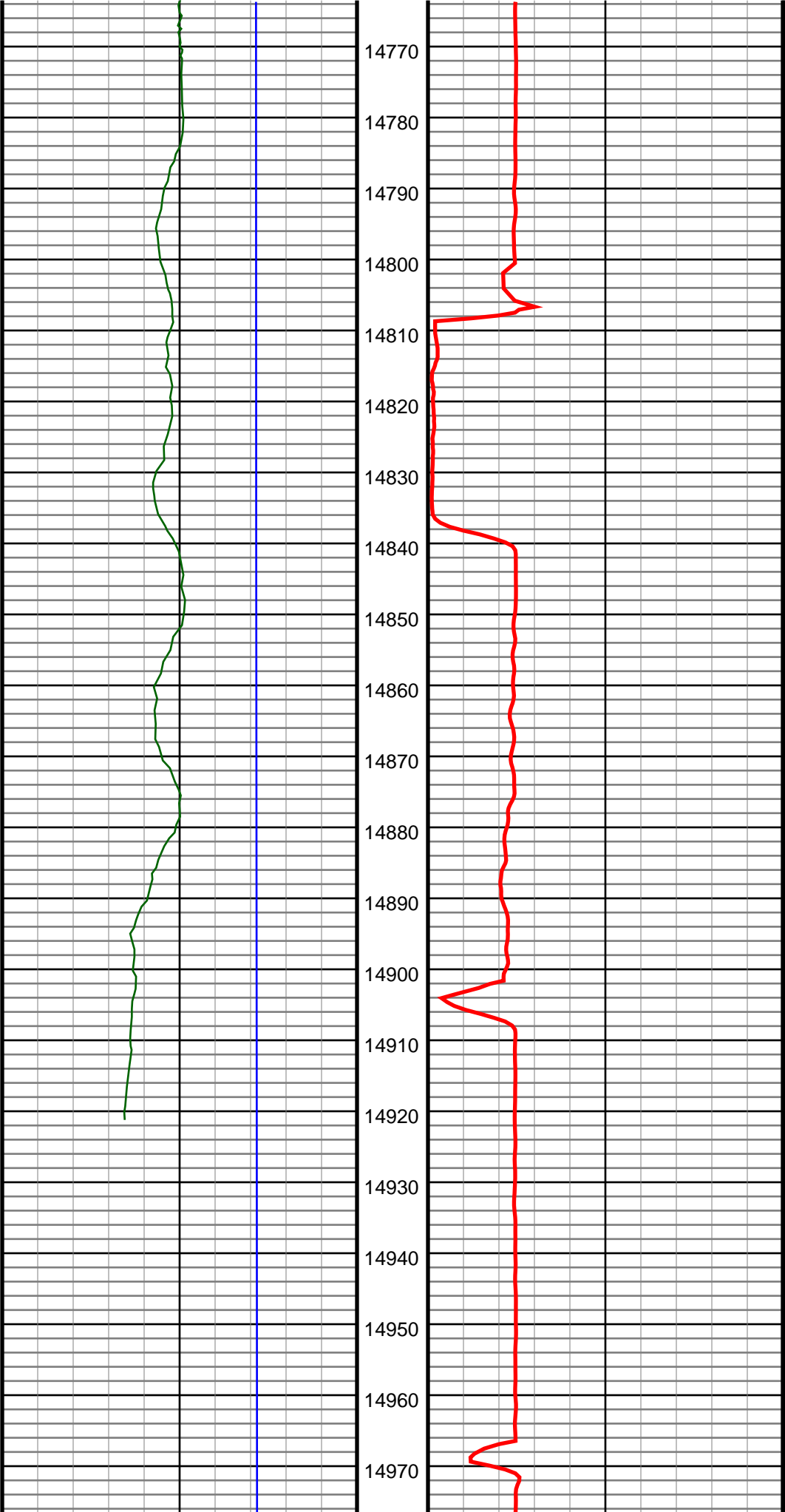
#160 MD(14456.00) Inc(89.3) Azm(270.9) TVD(6858.44)  
VS(7450.19) NS(-1538.48) EW(-7290.22) TEMP(0.0)



#161 MD(14552.00) Inc(90.7) Azm(271.4) TVD(6858.44)  
VS(7543.97) NS(-1536.56) EW(-7386.20) TEMP(0.0)

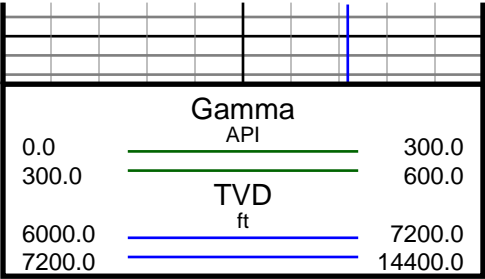
#162 MD(14647.00) Inc(89.4) Azm(270.0) TVD(6858.36)  
VS(7636.93) NS(-1535.40) EW(-7481.19) TEMP(0.0)

#163 MD(14742.00) Inc(90.7) Azm(269.5) TVD(6858.27)  
VS(7730.20) NS(-1535.81) EW(-7576.18) TEMP(0.0)



#164 MD(14838.00) Inc(88.4) Azm(269.5) TVD(6859.03)  
VS(7824.52) NS(-1536.65) EW(-7672.17) TEMP(0.0)

#165 MD(14920.00) Inc(89.0) Azm(269.8) TVD(6860.89)  
VS(7905.04) NS(-1537.15) EW(-7754.15) TEMP(0.0)



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