

Rohn State LD04-62-1HN

MD
2":100'

Company: Noble Energy Inc
Well Name: Rohn State LD04-62-1HN
UWI or LSD: 05-123-37460
Rig Id: H&P 273
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: Ensign Directional
Job number:
Dir. Driller Days Kody Wood
Dir. Driller Nights Mike David
MWD/LWD Days Nathan McClain
MWD/LWD Nights Ryan Prue

Log measurements:
Depth measured from:
Maximum temperature:

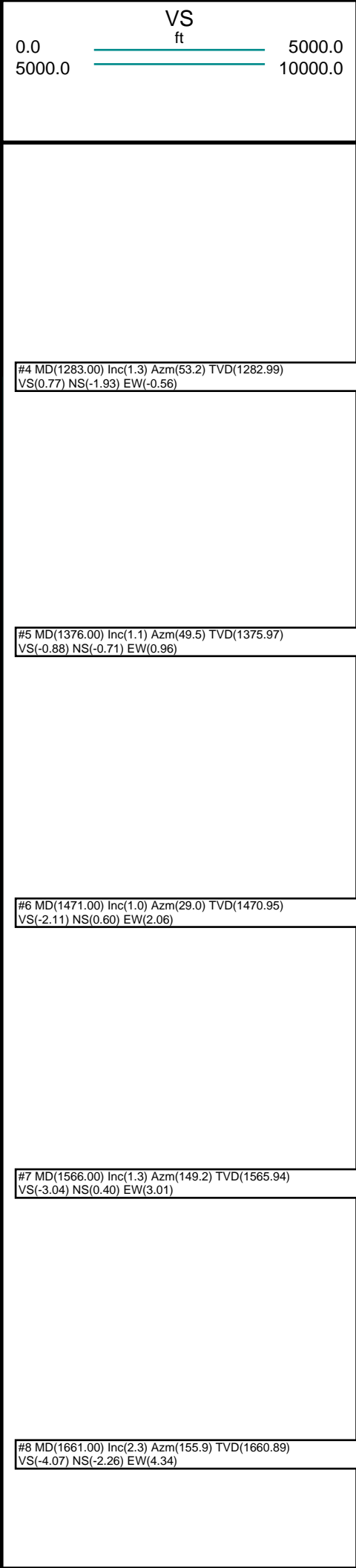
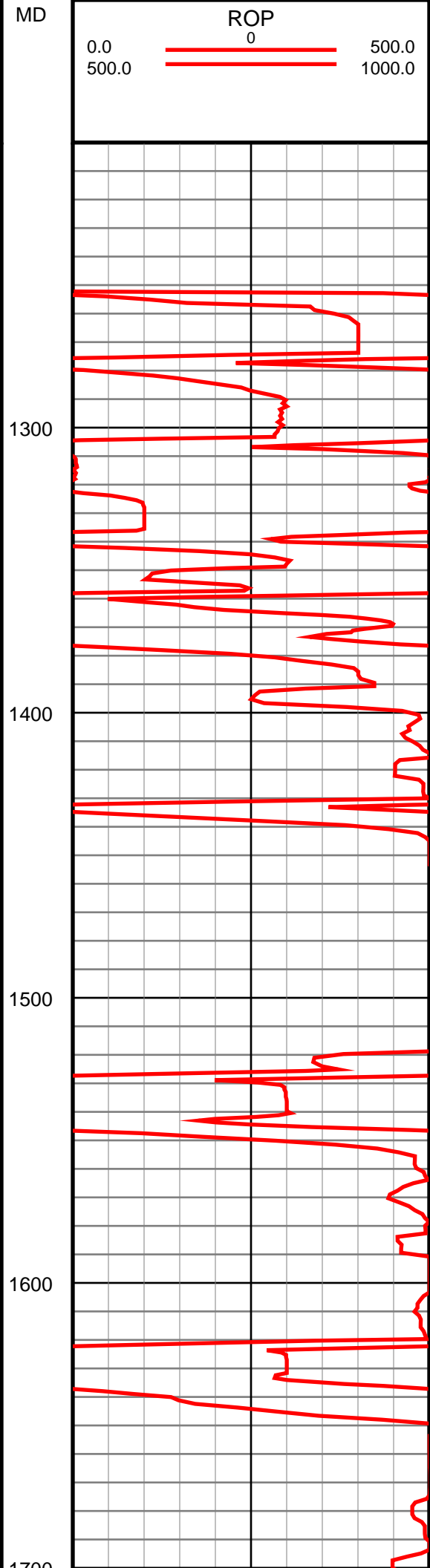
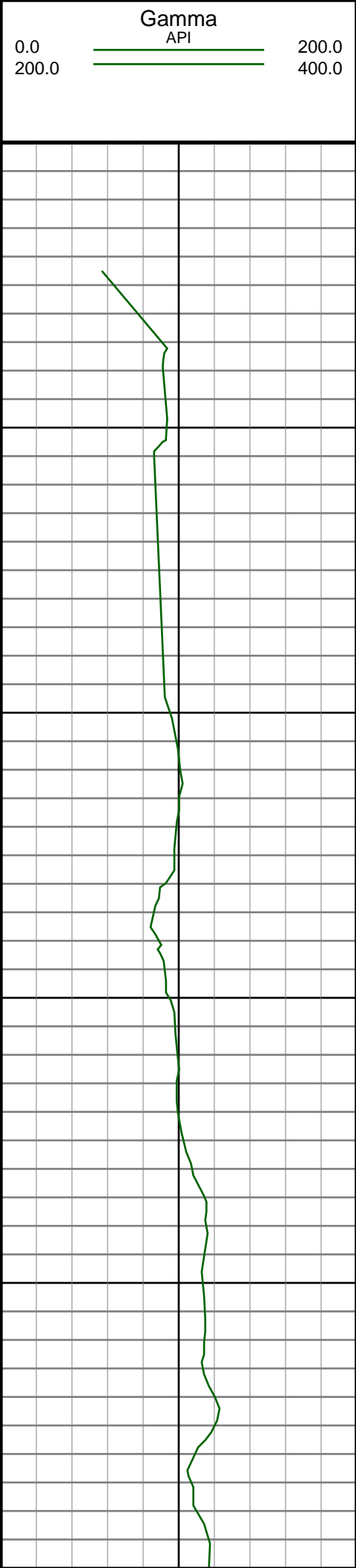
Depth **Date**
Start: 1245 ft 9/16/2013
End: 9541 ft 9/20/2013

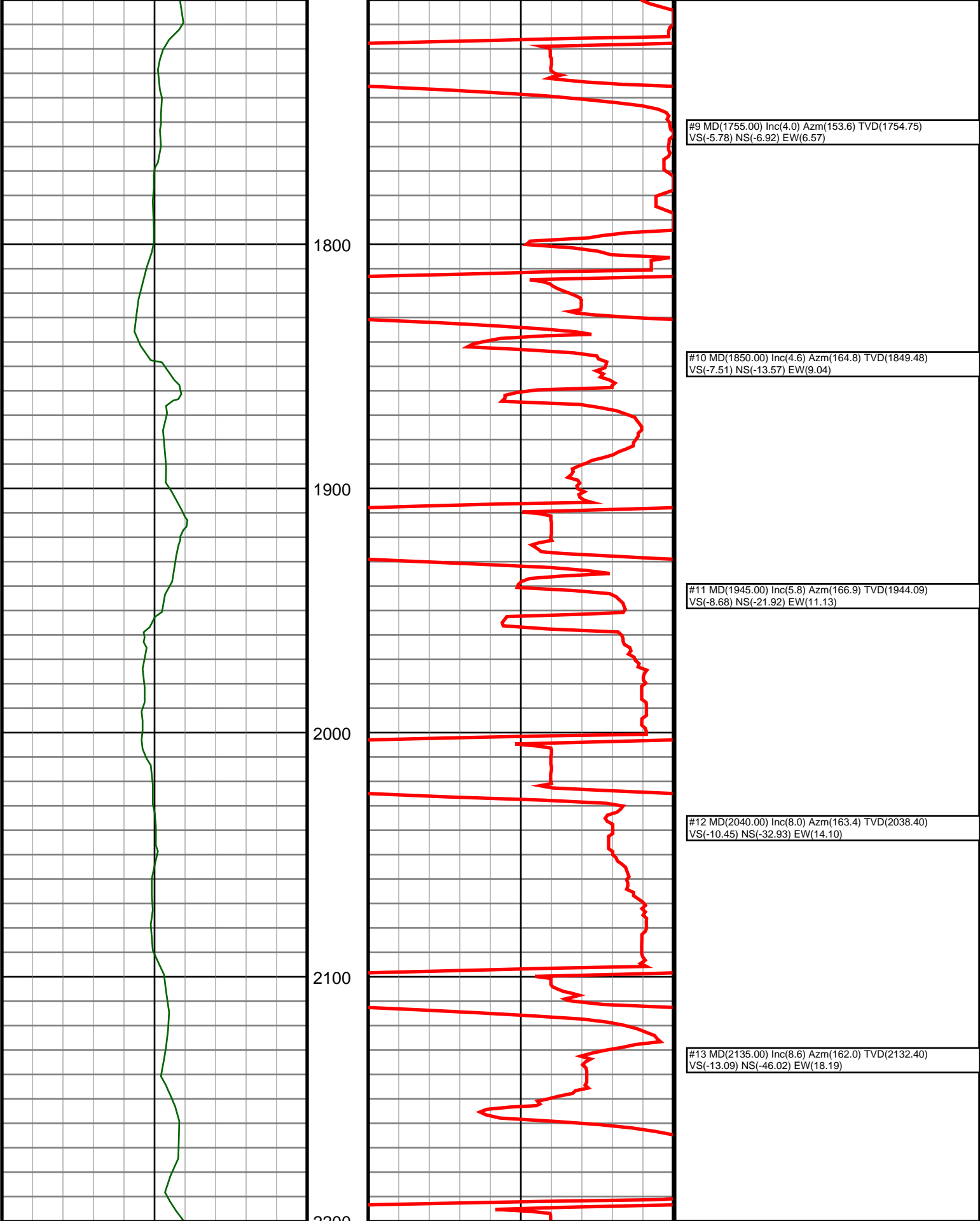
Casing Depth Size
Surface: 1212 9.625
Intermediate: 6056 7.0

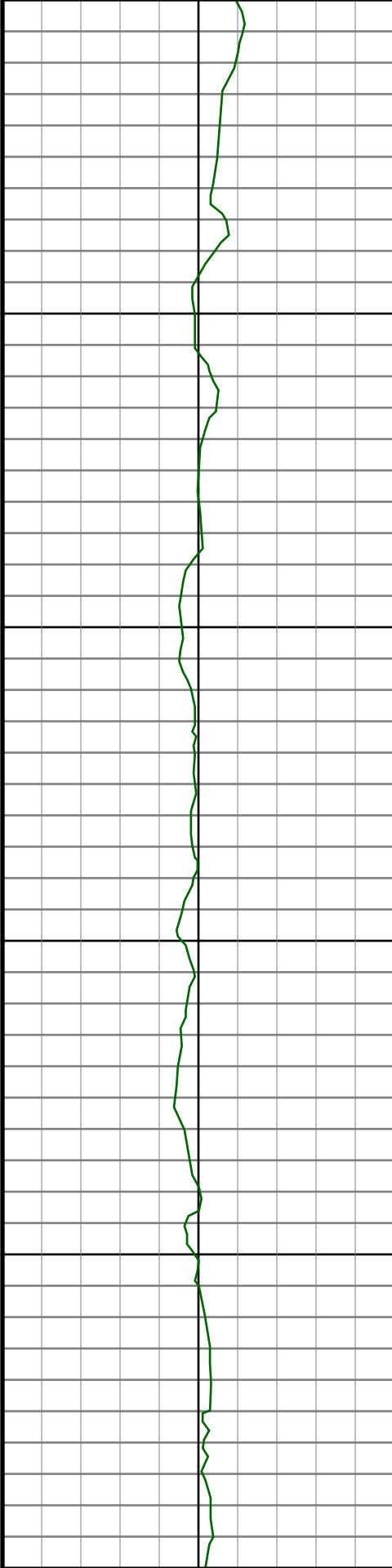
Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4736
GL: 4712
DF: 4736

Run	Bit Size	Offsets Gamma Survey	Start	Depths End	Start	Dates End
1	8.75	57.41	52.41	1212	4940	9/16/2013 9/16/2013
2	8.75	61.77	56.77	4940	6067	9/17/2013 9/17/2013
3	6.125	75.30	70.30	6067	9541	9/18/2013 9/20/2013
4						
5						
6						
7						
8						
9						
10						







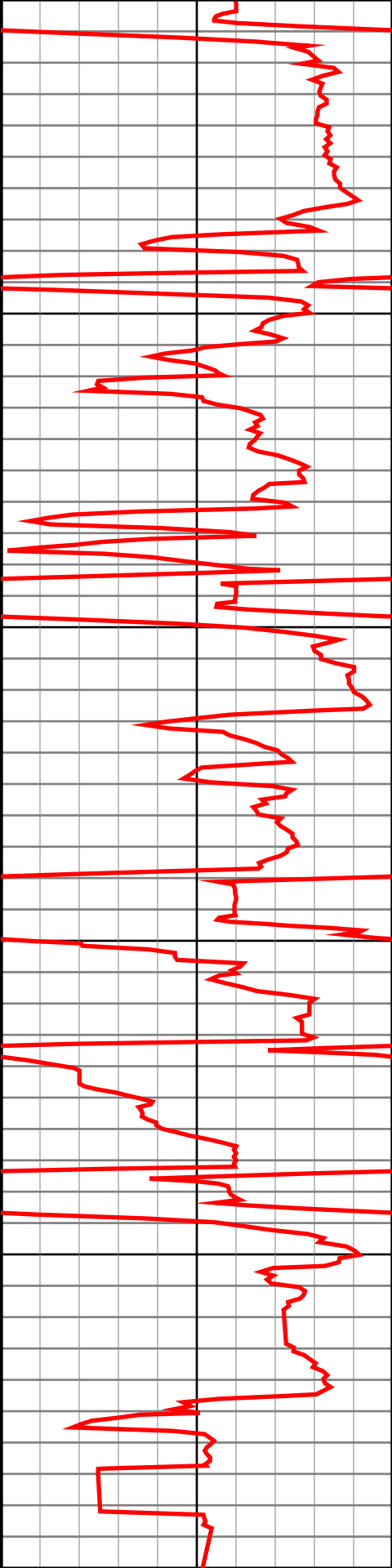
2300

2400

2500

2600

2700



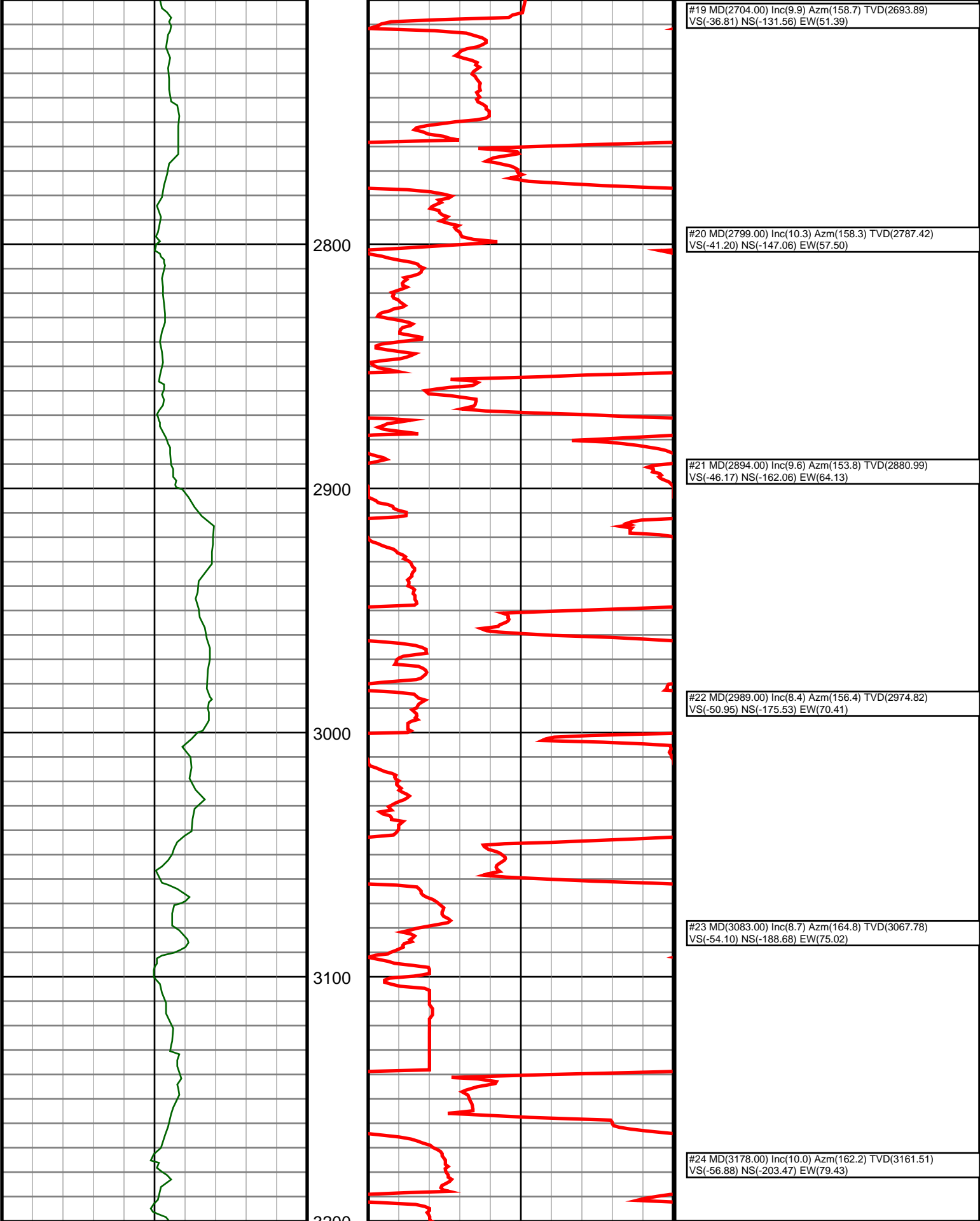
#14 MD(2230.00) Inc(9.2) Azm(156.6) TVD(2226.26)
VS(-16.78) NS(-59.75) EW(23.40)

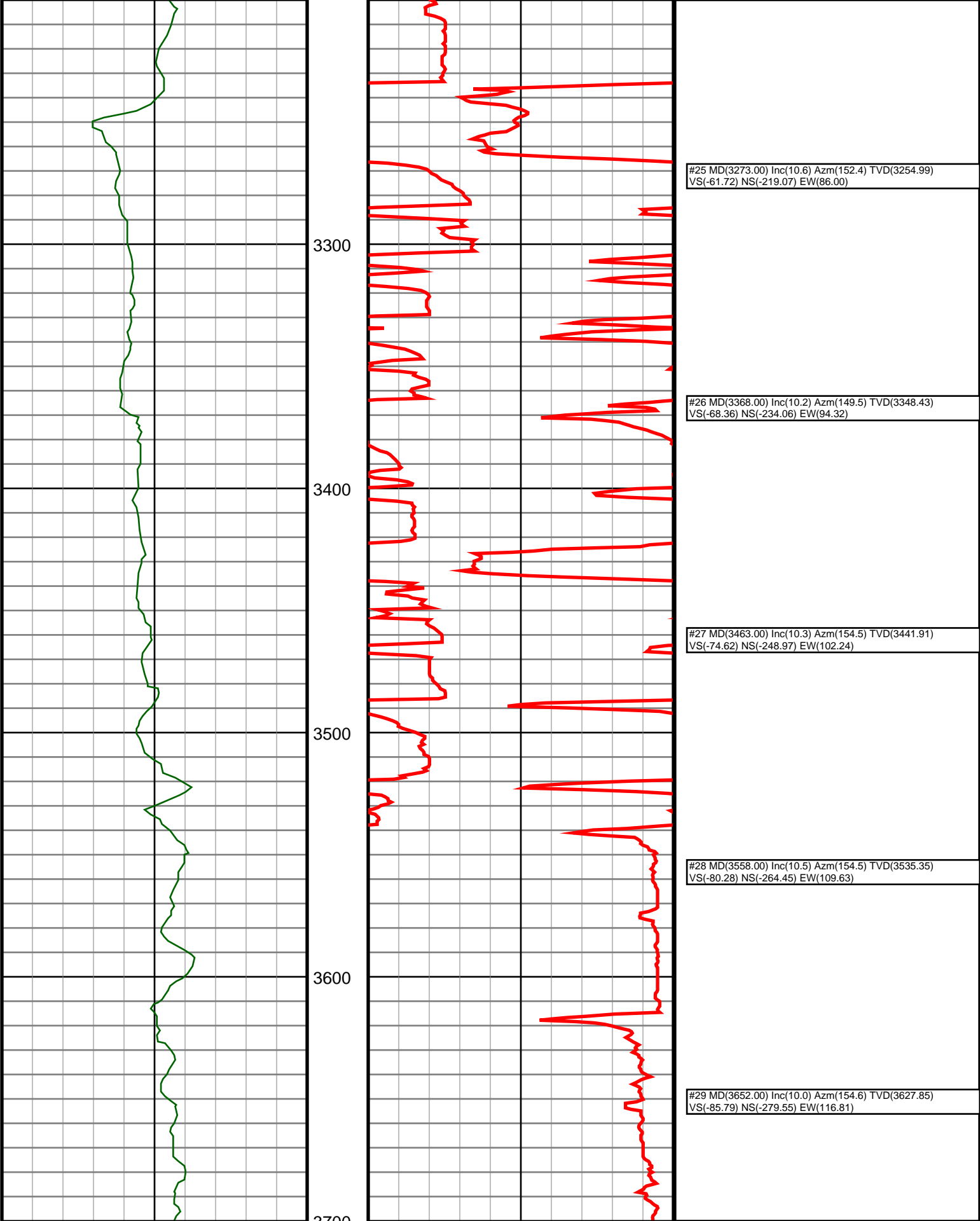
#15 MD(2325.00) Inc(8.7) Azm(153.8) TVD(2320.10)
VS(-21.47) NS(-73.16) EW(29.59)

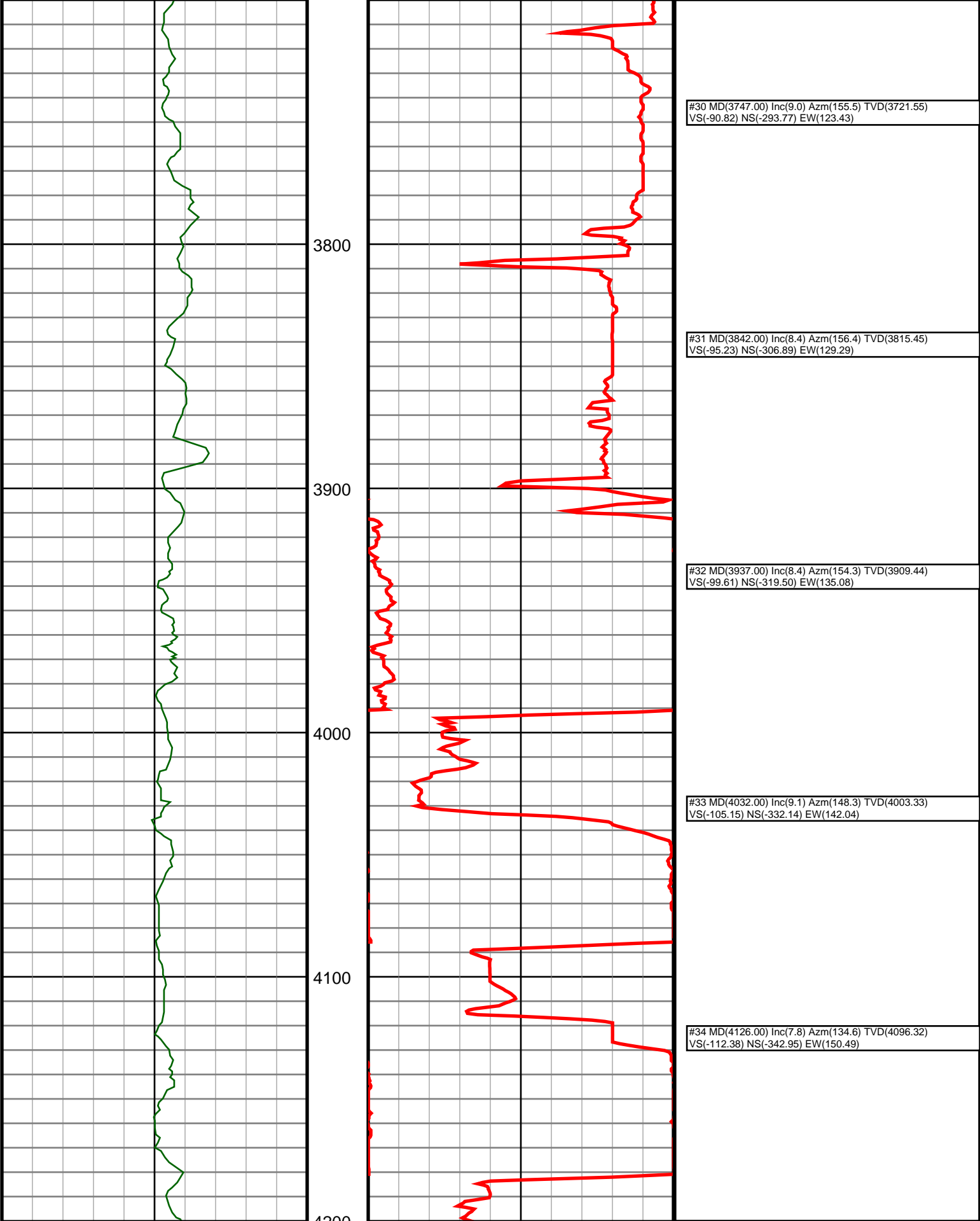
#16 MD(2419.00) Inc(8.0) Azm(162.9) TVD(2413.11)
VS(-25.13) NS(-85.79) EW(34.65)

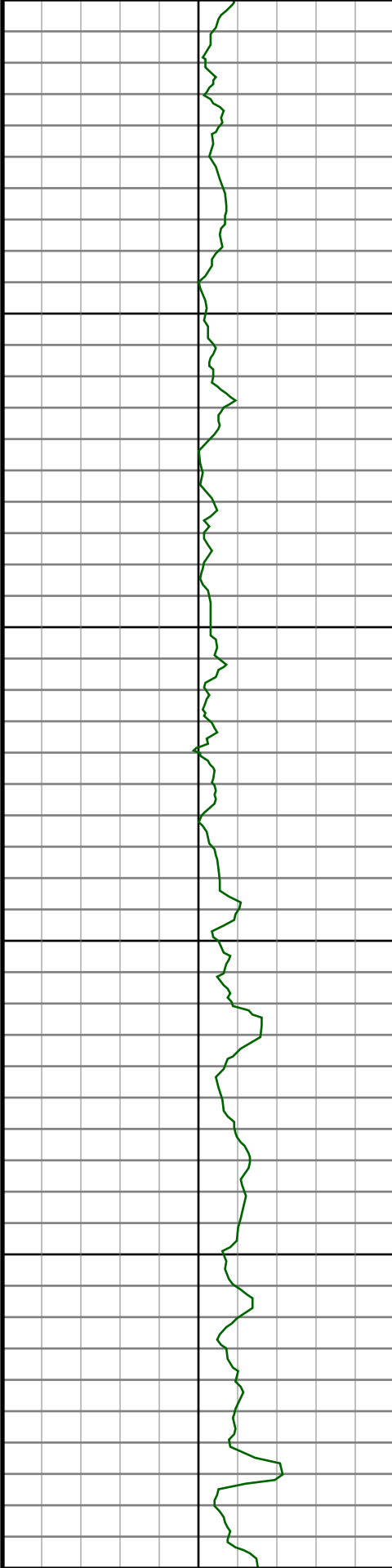
#17 MD(2514.00) Inc(10.0) Azm(160.8) TVD(2506.94)
VS(-28.23) NS(-99.90) EW(39.31)

#18 MD(2609.00) Inc(10.6) Azm(158.5) TVD(2600.40)
VS(-32.38) NS(-115.82) EW(45.22)









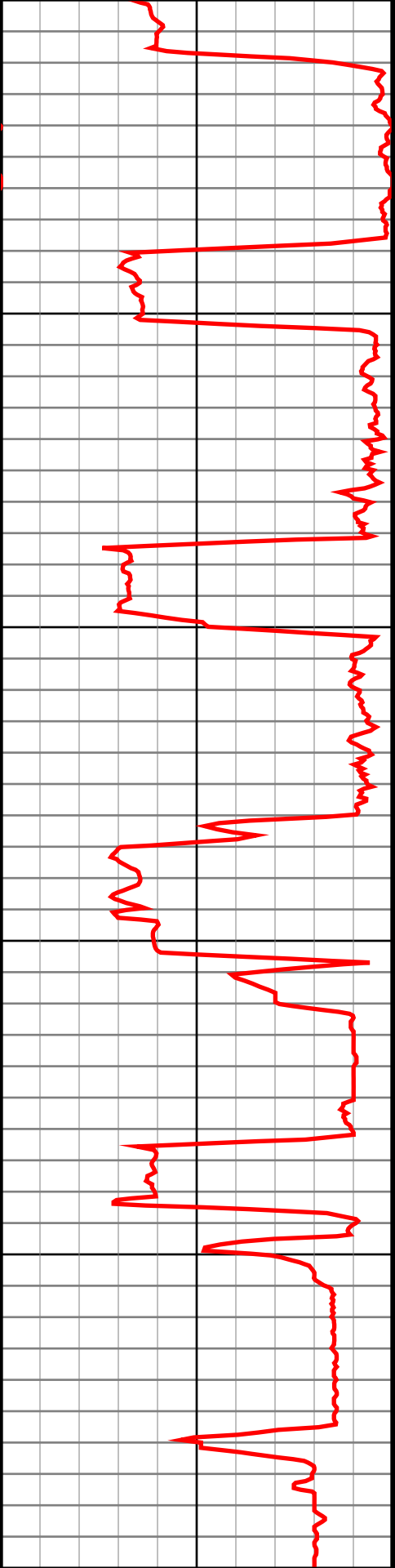
4300

4400

4500

4600

4700



#35 MD(4221.00) Inc(5.7) Azm(151.1) TVD(4190.66)
VS(-118.27) NS(-351.61) EW(157.36)

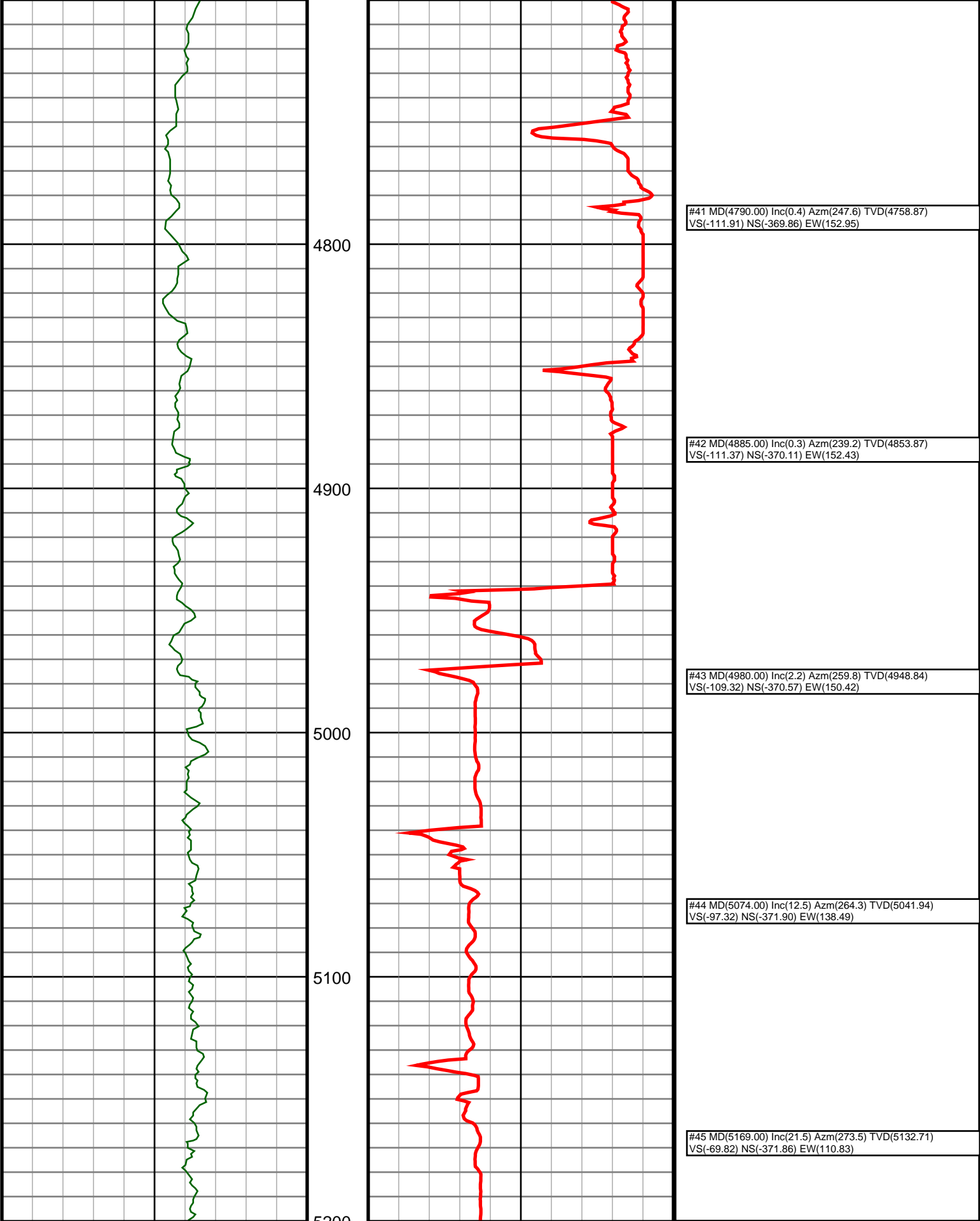
#36 MD(4316.00) Inc(4.7) Azm(159.7) TVD(4285.27)
VS(-121.04) NS(-359.39) EW(160.99)

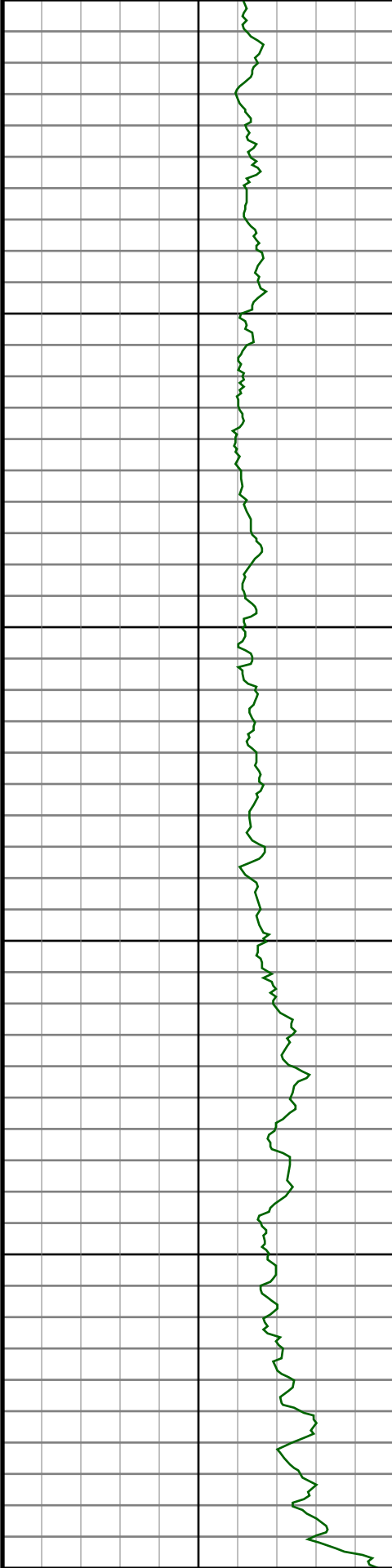
#37 MD(4411.00) Inc(3.3) Azm(194.7) TVD(4380.05)
VS(-121.01) NS(-365.68) EW(161.64)

#38 MD(4506.00) Inc(2.2) Azm(243.6) TVD(4474.95)
VS(-118.32) NS(-369.14) EW(159.32)

#39 MD(4601.00) Inc(1.6) Azm(277.7) TVD(4569.90)
VS(-115.32) NS(-369.77) EW(156.37)

#40 MD(4695.00) Inc(1.1) Azm(265.6) TVD(4663.88)
VS(-113.14) NS(-369.66) EW(154.17)





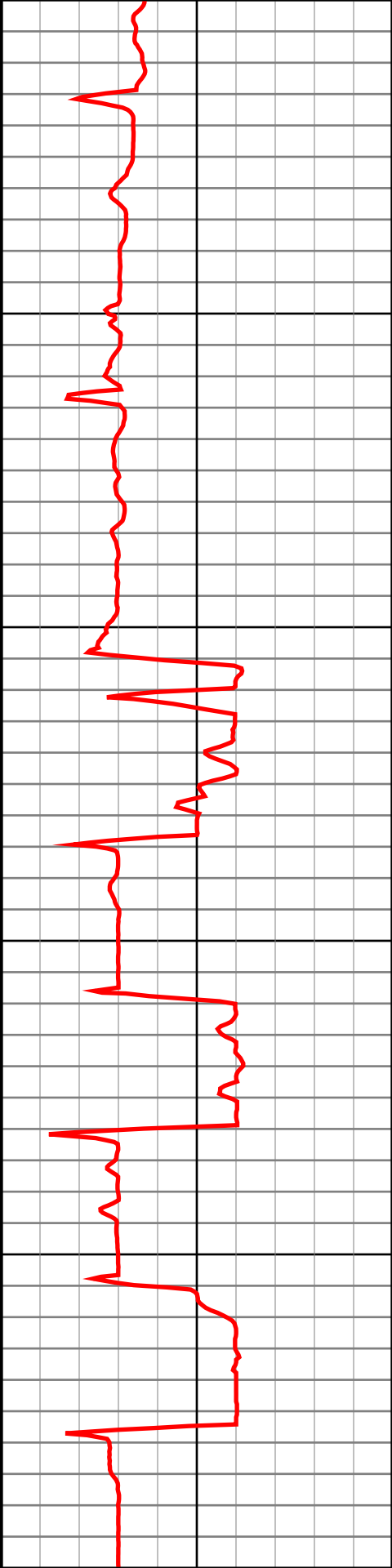
5300

5400

5500

5600

5700



#46 MD(5264.00) Inc(30.2) Azm(272.6) TVD(5218.13)
VS(-28.97) NS(-369.71) EW(69.50)

#47 MD(5359.00) Inc(40.1) Azm(265.2) TVD(5295.74)
VS(25.39) NS(-371.19) EW(14.98)

#48 MD(5453.00) Inc(44.2) Azm(262.7) TVD(5365.42)
VS(88.44) NS(-377.89) EW(-47.72)

#49 MD(5548.00) Inc(49.2) Azm(264.5) TVD(5430.56)
VS(157.55) NS(-385.55) EW(-116.40)

#50 MD(5643.00) Inc(54.6) Azm(265.6) TVD(5489.15)
VS(232.26) NS(-391.97) EW(-190.85)



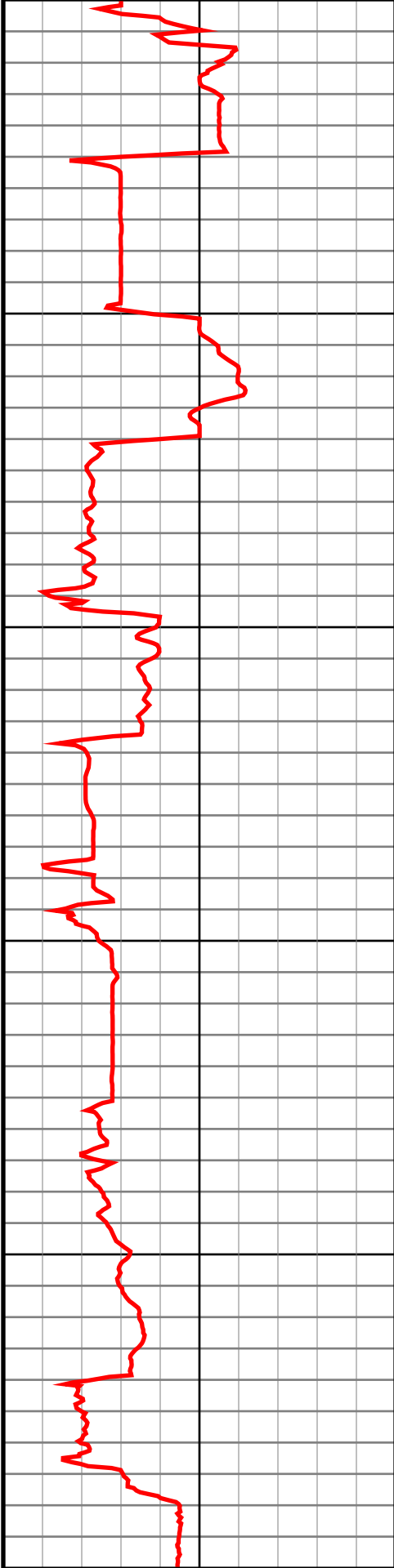
5800

5900

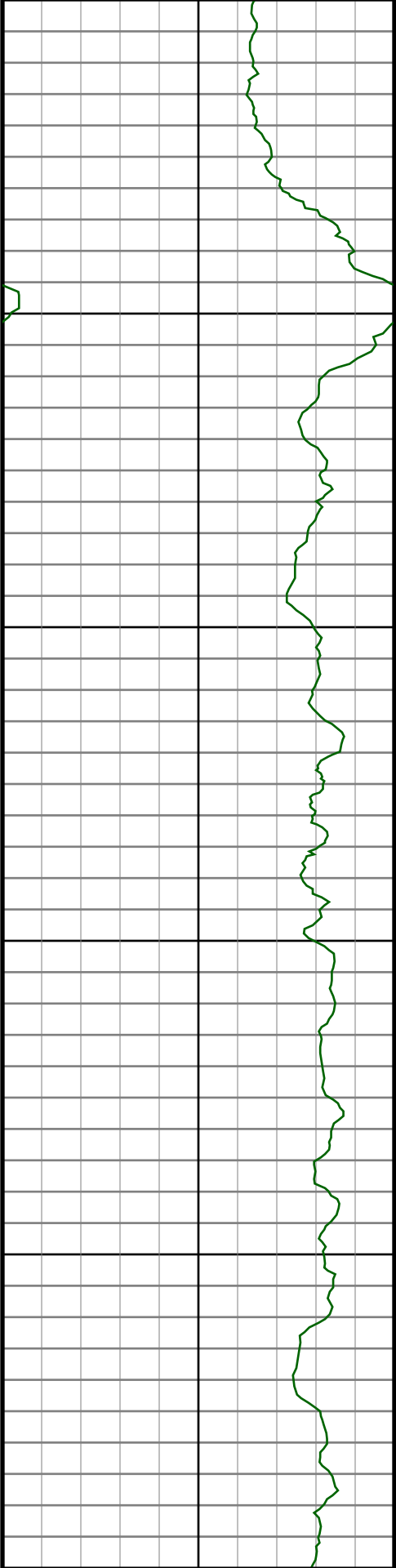
6000

6100

6200



#51 MD(5738.00) Inc(58.0) Azm(267.1) TVD(5541.86) VS(311.20) NS(-396.98) EW(-269.72)
#52 MD(5833.00) Inc(64.5) Azm(268.2) TVD(5587.53) VS(394.25) NS(-400.37) EW(-352.89)
#53 MD(5928.00) Inc(71.0) Azm(268.4) TVD(5623.48) VS(481.86) NS(-402.97) EW(-440.73)
#54 MD(6007.00) Inc(79.2) Azm(269.8) TVD(5643.78) VS(557.80) NS(-404.15) EW(-517.00)
6030.0:Data logged through 7" casing from 6012 to 6056
#55 MD(6070.00) Inc(86.1) Azm(273.9) TVD(5651.84) VS(619.61) NS(-402.12) EW(-579.40)
#56 MD(6163.00) Inc(89.0) Azm(270.2) TVD(5655.81) VS(711.53) NS(-398.80) EW(-672.22)



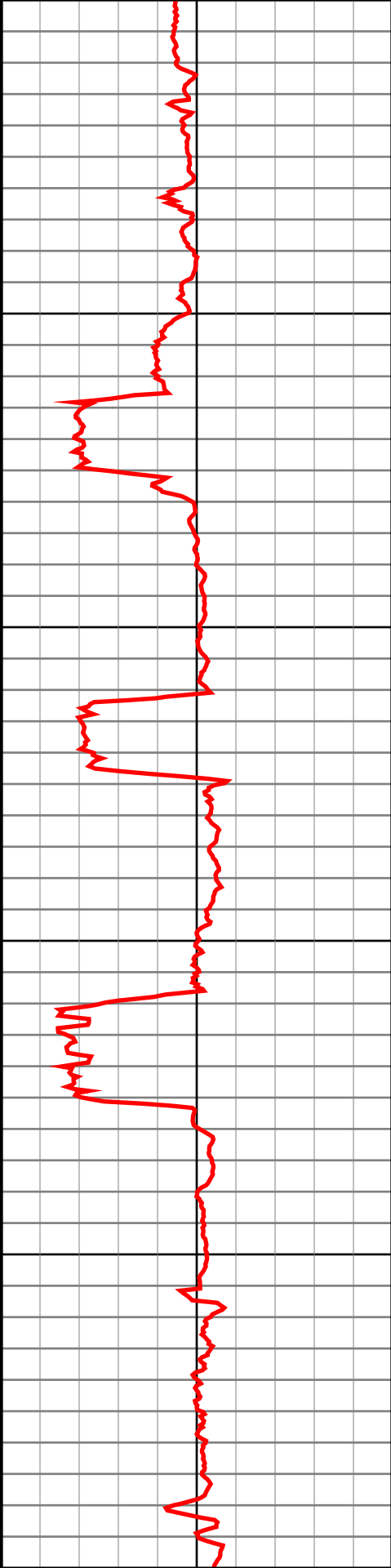
6300

6400

6500

6600

6700



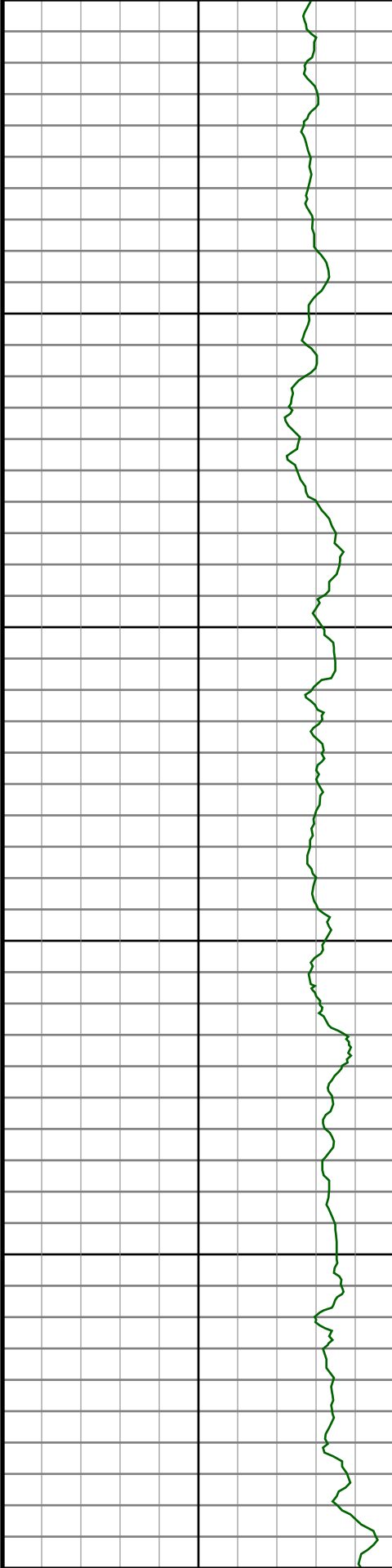
#57 MD(6256.00) Inc(90.8) Azm(270.4) TVD(5655.98)
VS(803.93) NS(-398.31) EW(-765.22)

#58 MD(6351.00) Inc(90.3) Azm(269.8) TVD(5655.06)
VS(898.34) NS(-398.15) EW(-860.21)

#59 MD(6446.00) Inc(90.2) Azm(269.3) TVD(5654.65)
VS(992.86) NS(-398.89) EW(-955.21)

#60 MD(6540.00) Inc(88.7) Azm(267.4) TVD(5655.55)
VS(1086.55) NS(-401.60) EW(-1049.16)

#61 MD(6635.00) Inc(89.0) Azm(266.7) TVD(5657.46)
VS(1181.37) NS(-406.49) EW(-1144.01)



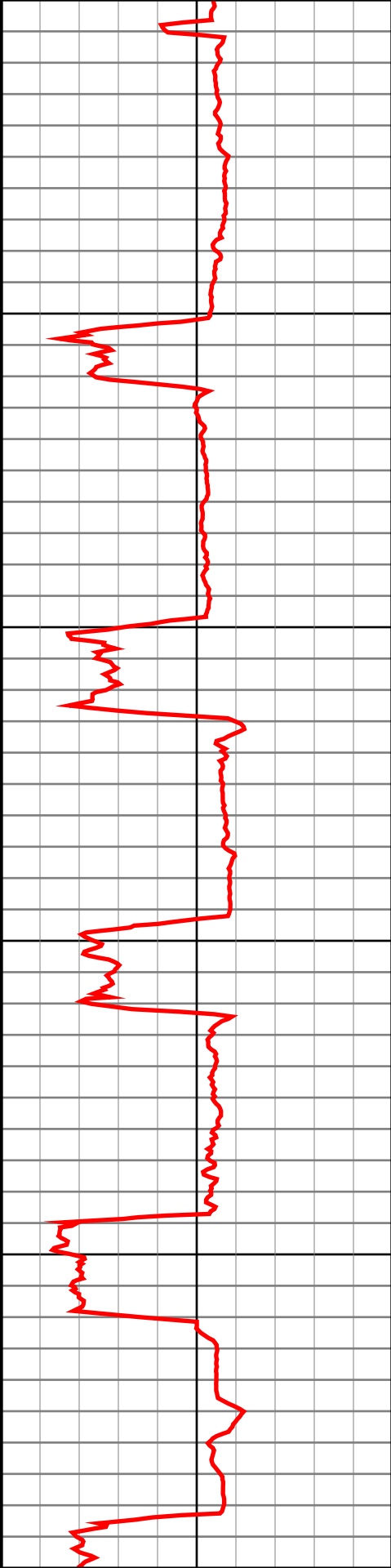
6800

6900

7000

7100

7200



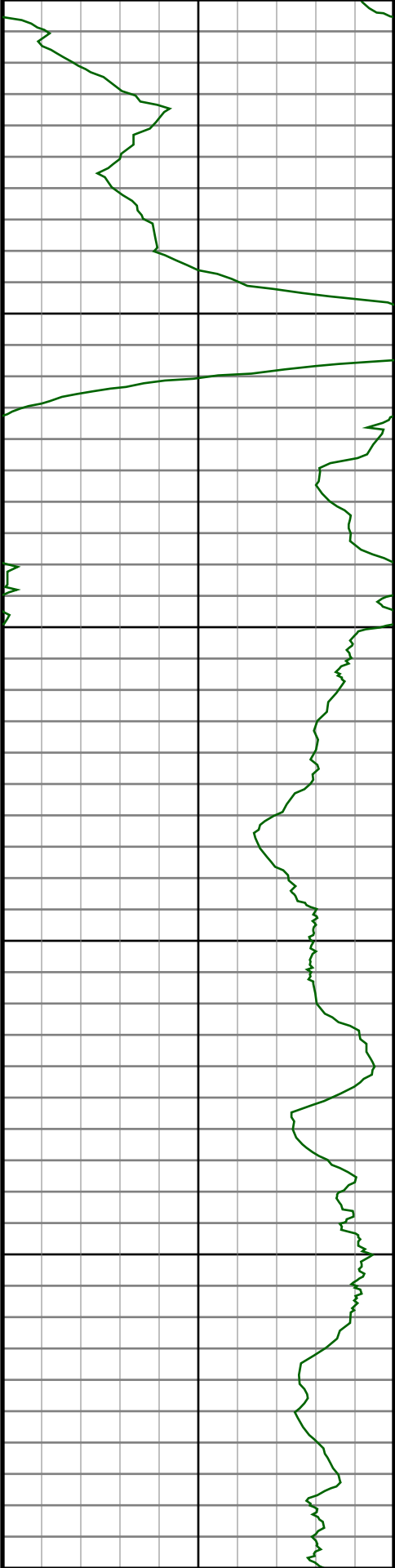
#62 MD(6730.00) Inc(90.0) Azm(265.8) TVD(5658.29)
VS(1276.27) NS(-412.70) EW(-1238.80)

#63 MD(6825.00) Inc(90.5) Azm(266.5) TVD(5657.87)
VS(1371.19) NS(-419.08) EW(-1333.59)

#64 MD(6919.00) Inc(90.4) Azm(266.7) TVD(5657.13)
VS(1465.07) NS(-424.65) EW(-1427.42)

#65 MD(7014.00) Inc(88.7) Azm(263.7) TVD(5657.88)
VS(1560.03) NS(-432.60) EW(-1522.07)

#66 MD(7109.00) Inc(90.4) Azm(266.0) TVD(5658.63)
VS(1655.00) NS(-441.13) EW(-1616.67)



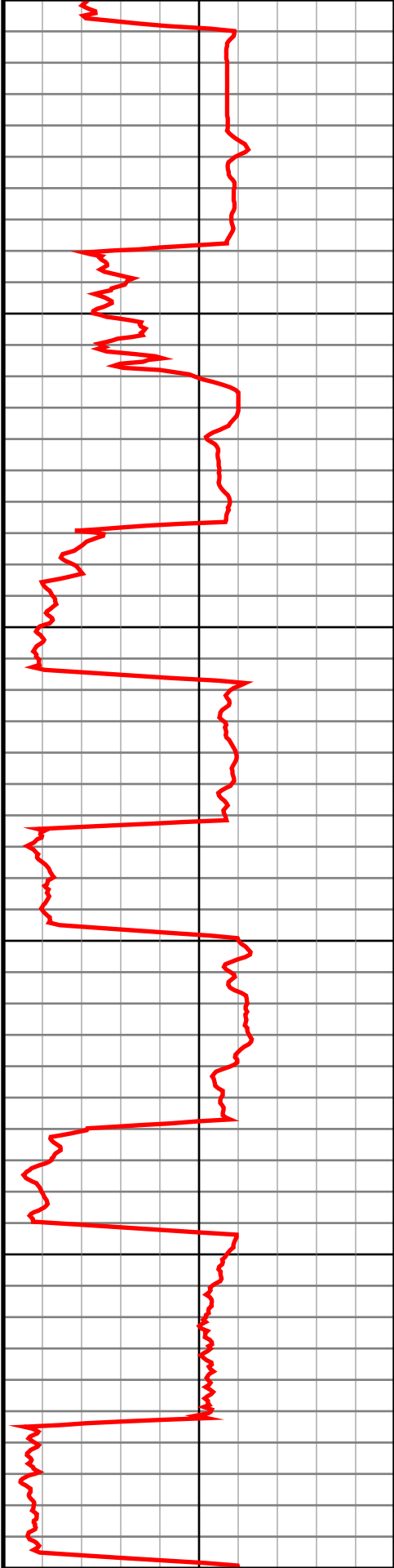
7300

7400

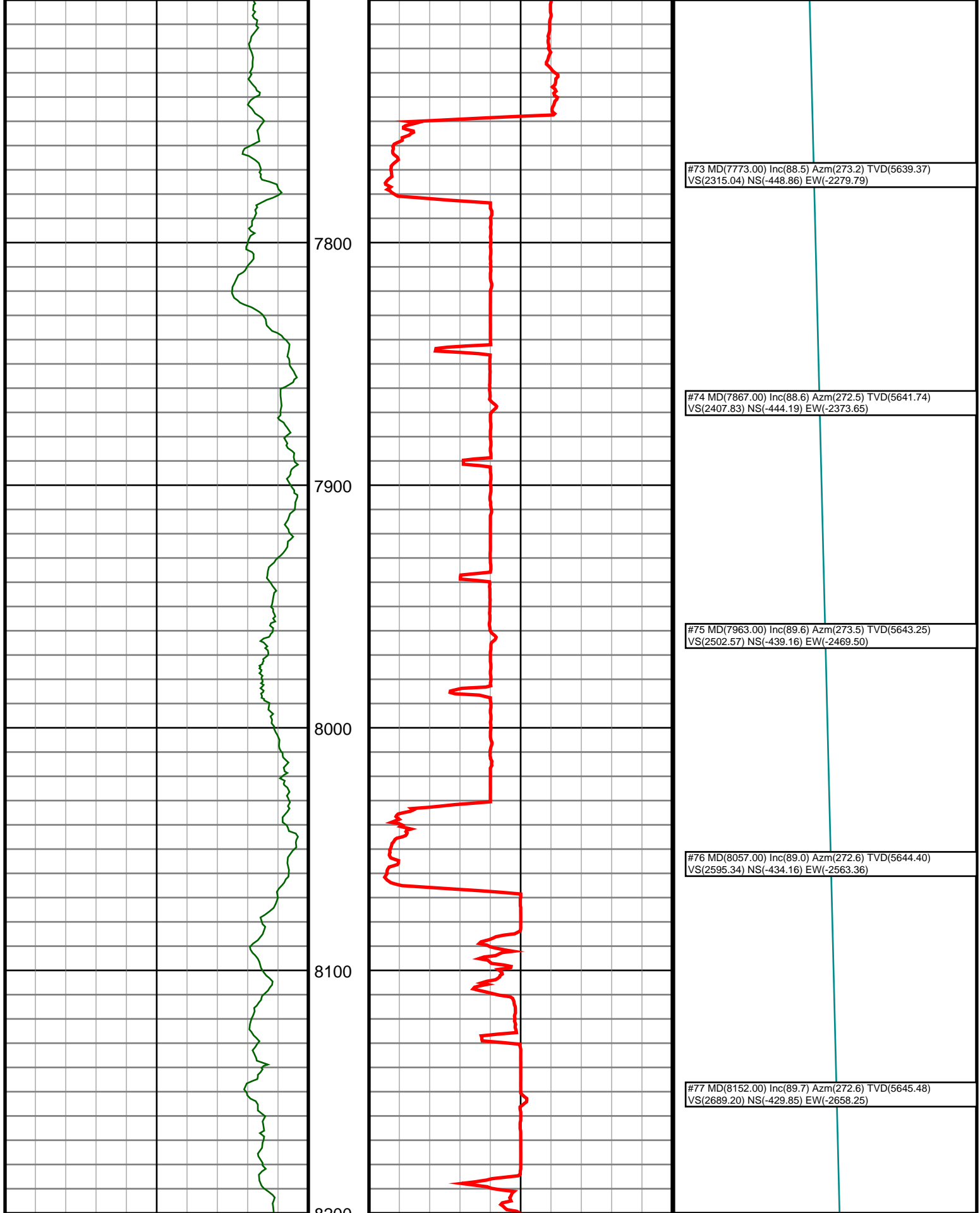
7500

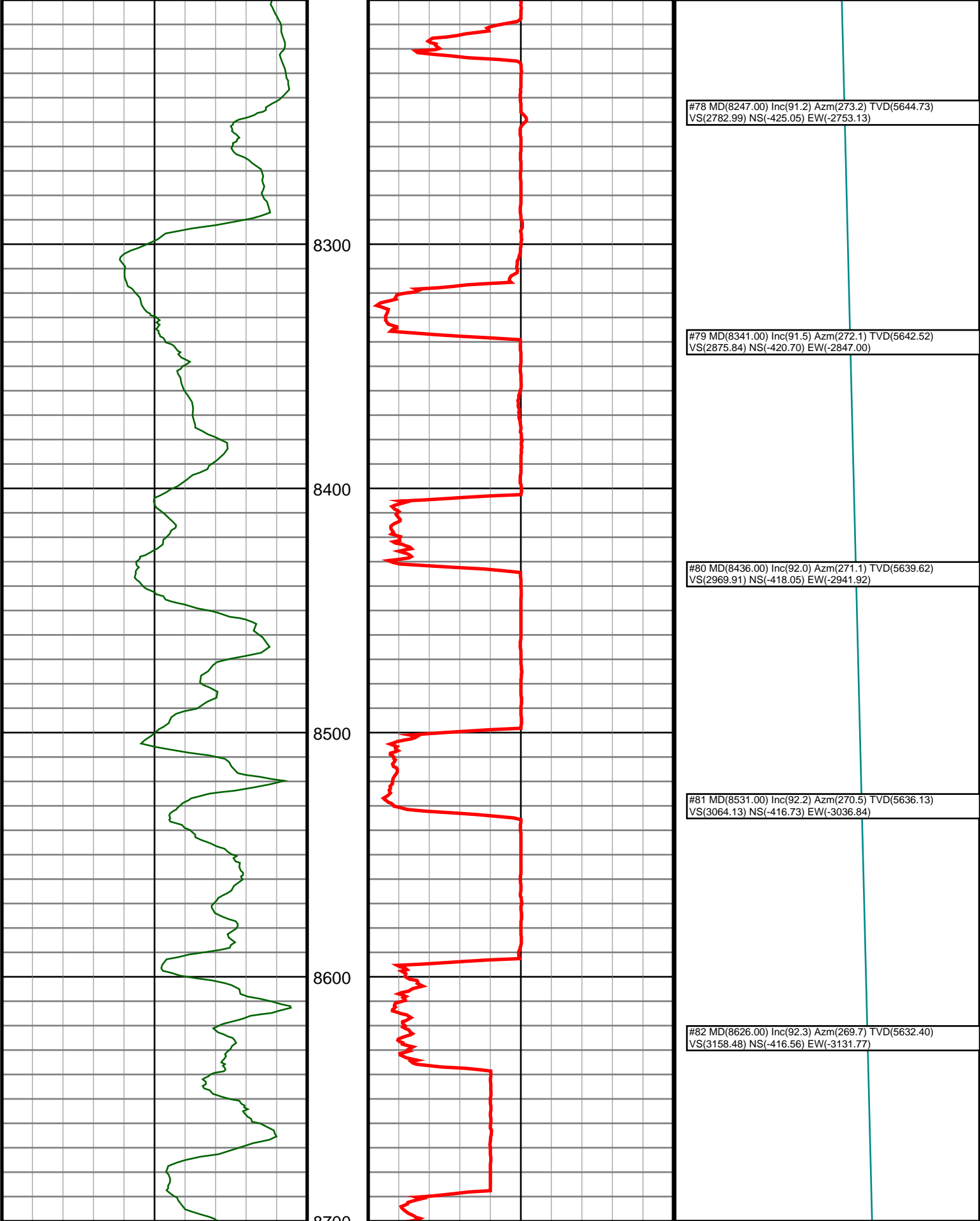
7600

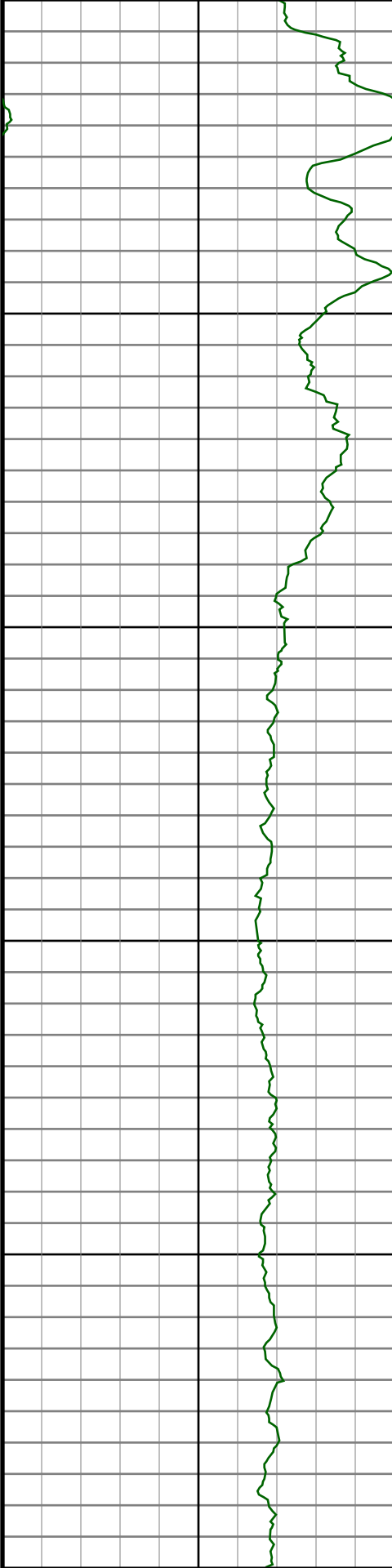
7700



#67 MD(7204.00) Inc(92.3) Azm(267.5) TVD(5656.39) VS(1749.84) NS(-446.51) EW(-1711.49)
#68 MD(7299.00) Inc(92.6) Azm(267.0) TVD(5652.33) VS(1844.57) NS(-451.06) EW(-1806.29)
#69 MD(7393.00) Inc(93.1) Azm(268.1) TVD(5647.65) VS(1938.25) NS(-455.08) EW(-1900.09)
#70 MD(7488.00) Inc(91.9) Azm(270.4) TVD(5643.51) VS(2032.72) NS(-456.32) EW(-1994.98)
#71 MD(7583.00) Inc(91.6) Azm(271.6) TVD(5640.61) VS(2126.92) NS(-454.66) EW(-2089.92)
#72 MD(7678.00) Inc(90.7) Azm(271.1) TVD(5638.70) VS(2221.07) NS(-452.42) EW(-2184.87)







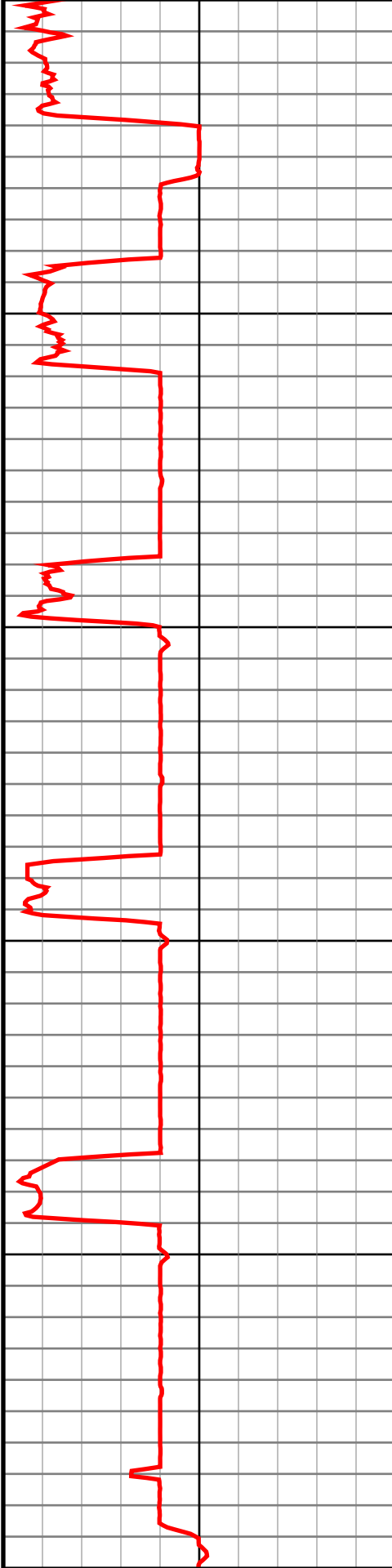
8800

8900

9000

9100

9200



#83 MD(8721.00) Inc(91.2) Azm(269.0) TVD(5629.50)
VS(3252.98) NS(-417.64) EW(-3226.72)

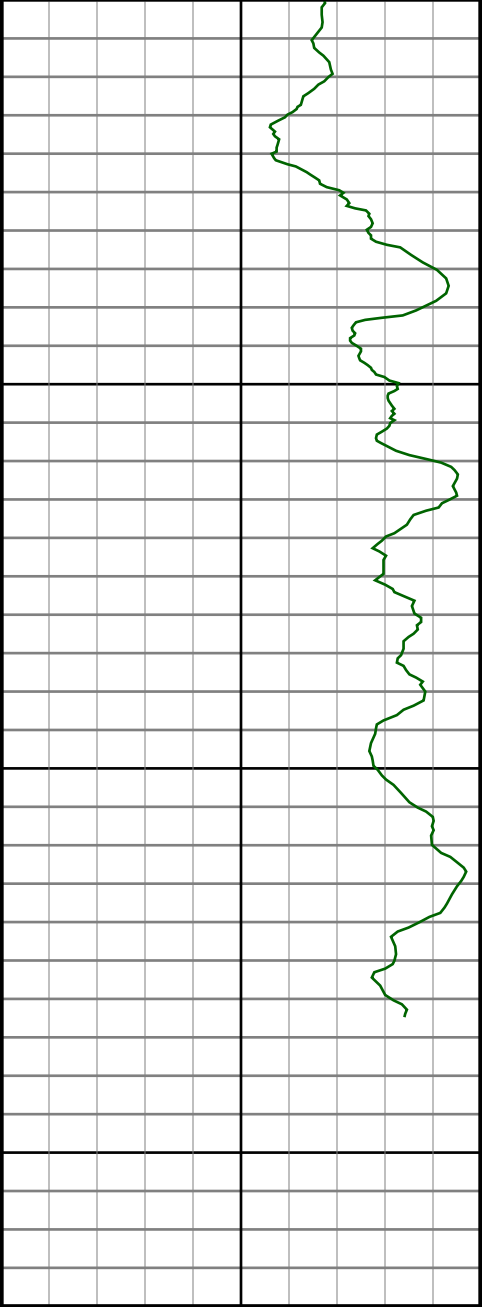
#84 MD(8816.00) Inc(88.8) Azm(268.3) TVD(5629.50)
VS(3347.63) NS(-419.88) EW(-3321.68)

#85 MD(8911.00) Inc(88.5) Azm(268.3) TVD(5631.74)
VS(3442.31) NS(-422.69) EW(-3416.61)

#86 MD(9006.00) Inc(89.0) Azm(268.6) TVD(5633.81)
VS(3536.97) NS(-425.26) EW(-3511.56)

#87 MD(9100.00) Inc(88.8) Azm(267.5) TVD(5635.62)
VS(3630.69) NS(-428.46) EW(-3605.48)

#88 MD(9195.00) Inc(90.7) Azm(267.4) TVD(5636.03)
VS(3725.48) NS(-432.69) EW(-3700.38)

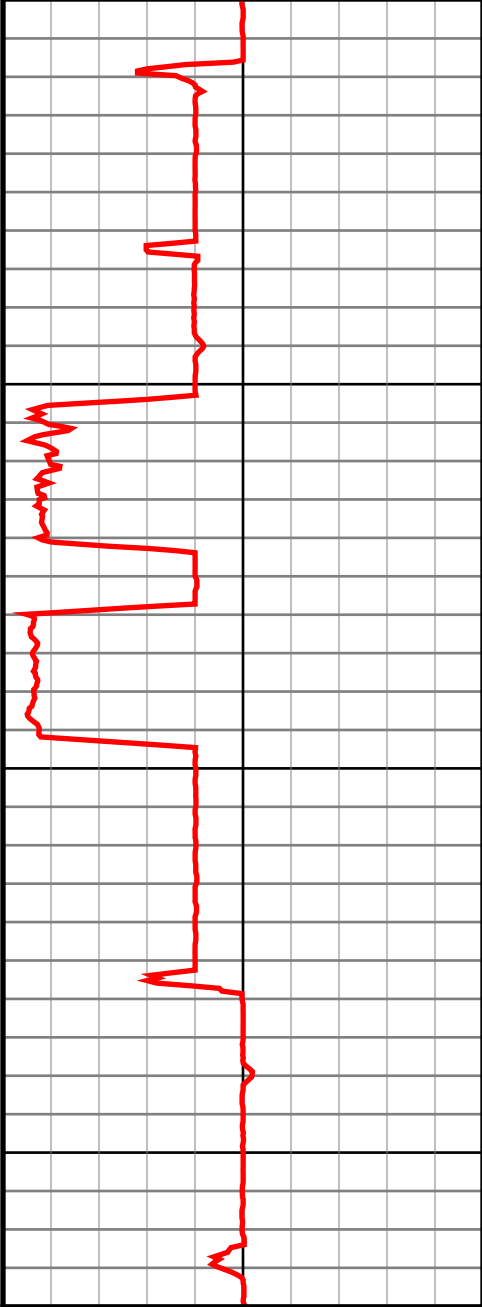


9300

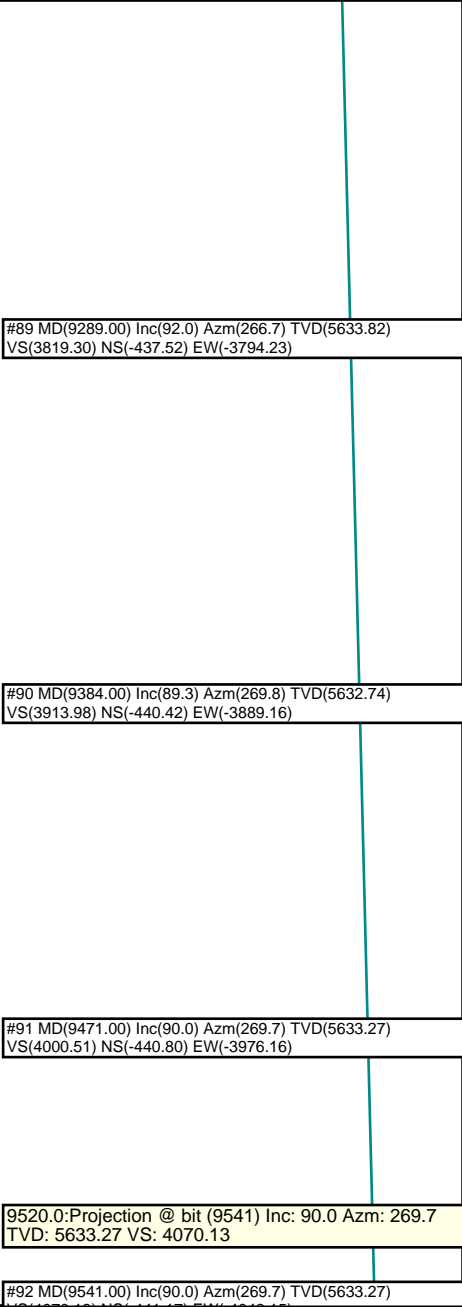
9400

9500

0.0 **Gamma** 200.0
200.0 **API** 400.0



0.0 **ROP** 500.0
500.0 0 1000.0



#89 MD(9289.00) Inc(92.0) Azm(266.7) TVD(5633.82)
VS(3819.30) NS(-437.52) EW(-3794.23)

#90 MD(9384.00) Inc(89.3) Azm(269.8) TVD(5632.74)
VS(3913.98) NS(-440.42) EW(-3889.16)

#91 MD(9471.00) Inc(90.0) Azm(269.7) TVD(5633.27)
VS(4000.51) NS(-440.80) EW(-3976.16)

9520.0:Projection @ bit (9541) Inc: 90.0 Azm: 269.7
TVD: 5633.27 VS: 4070.13

#92 MD(9541.00) Inc(90.0) Azm(269.7) TVD(5633.27)

0.0 **VS** 5000.0
5000.0 ft 10000.0