



Extraction\_Patterson 340\_MT Fed Heath 8W-20-13

MD  
5":100'

Company: Extraction Oil & Gas  
Well Name: MT Fed Heath 8W-20-13  
API: 05-123-42173  
County/Parish: Weld  
State: Colorado  
Country: USA  
Job number: 00192EX-CO  
Field: Wattenberg  
Rig Id: Patterson 340  
Survey Company: Atlas Drilling Services  
Day MWD Brandon Snyder  
Night MWD Elias Bradach

Log measurements: Gamma, ROP  
Depth measured from: KB ft  
Maximum temperature: 267.4

Depth  
Start: 1,555' ft  
End: 17,278' ft  
Date  
05/31/2019  
06/03/2019

Casing Depth Size  
Surface: 1,562 ft 9.625"  
Intermediate:

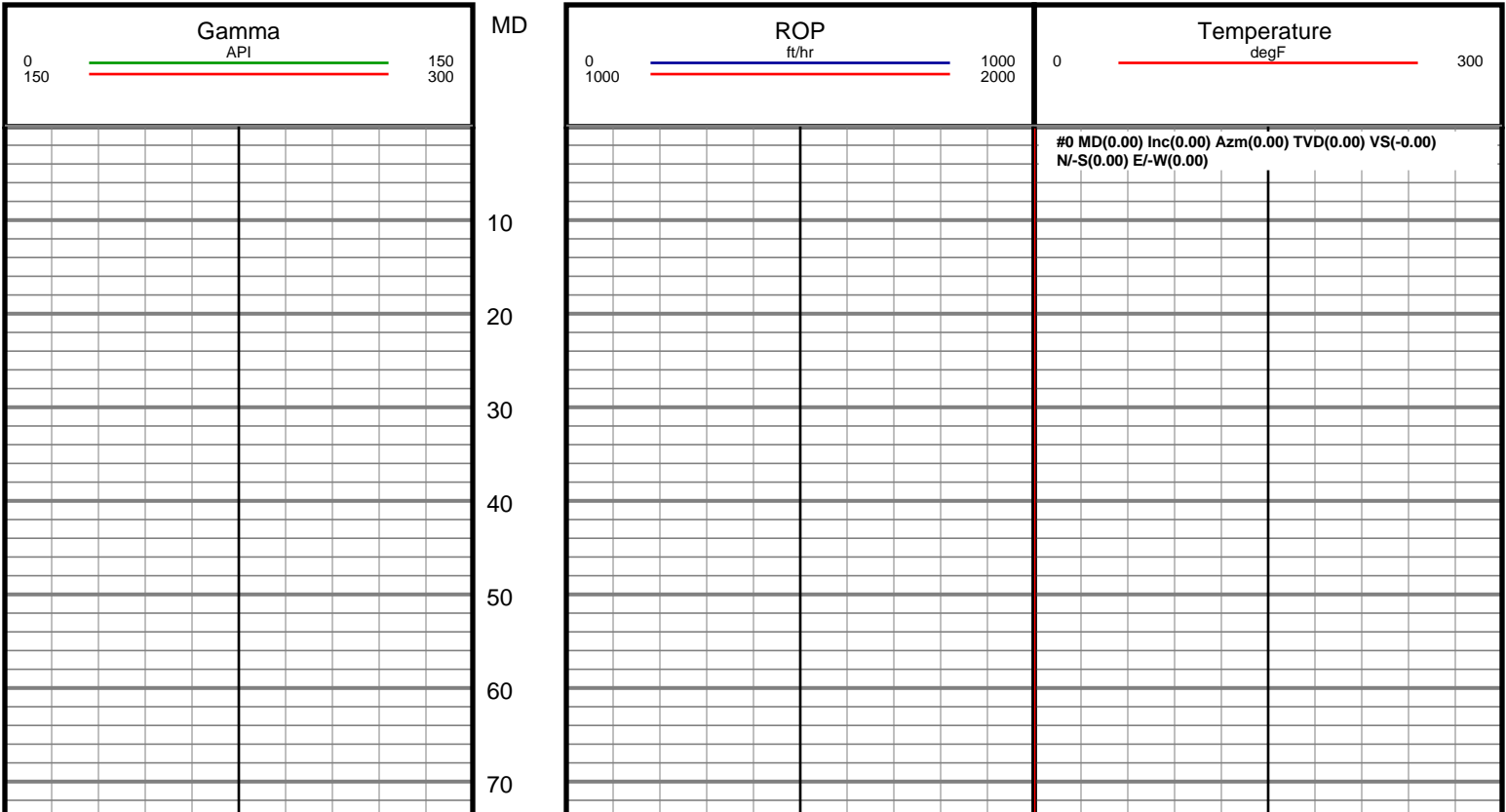
Mud Type: OBM  
Density: 10  
Viscosity: 4.8  
Rm: N/A Rmf: N/A Rmc: N/A

Elevations  
KB: 4,660'  
GL: 4635'  
DF: 25'

Run	Bit Size	Gamma	Offsets Survey	Start	Depths End	Start Dates	End Dates
1	8.50"	34.70 ft	60.00 ft	1,555 ft	17,278 ft	05/31/2019 14:15	06/03/2019 03:30
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10							

Float: 1,562' Shoe: 1,605' KOP: 6,924' L.P.: 7,628' TD: 17,278'  
Imported Surface Surveys Via Koltek Energy Services.

Atlas Drilling 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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#1 MD(126.00) Inc(0.44) Azm(158.82) TVD(126.00) VS(-0.13)  
N/-S(-0.45) E/-W(0.17)

#2 MD(221.00) Inc(0.62) Azm(158.89) TVD(220.99) VS(-0.37)  
N/-S(-1.27) E/-W(0.49)

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#3 MD(316.00) Inc(1.10) Azm(164.95) TVD(315.98) VS(-0.65)  
N/-S(-2.63) E/-W(0.91)

#4 MD(411.00) Inc(0.44) Azm(172.34) TVD(410.97) VS(-0.81)  
N/-S(-3.87) E/-W(1.20)

[illegible]

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#8 MD(791.00) Inc(0.83) Azm(63.61) TVD(790.97) VS(-0.78)  
N/-S(-4.47) E/-W(1.22)

#9 MD(887.00) Inc(1.54) Azm(59.84) TVD(886.95) VS(-2.60)  
N/-S(-3.51) E/-W(2.96)

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#10 MD(982.00) Inc(0.70) Azm(58.69) TVD(981.93) VS(-4.28)  
N/-S(-2.57) E/-W(4.56)

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#11 MD(1076.00) Inc(0.48) Azm(109.14) TVD(1075.92)  
VS(-5.16) N/-S(-2.40) E/-W(5.42)

1080

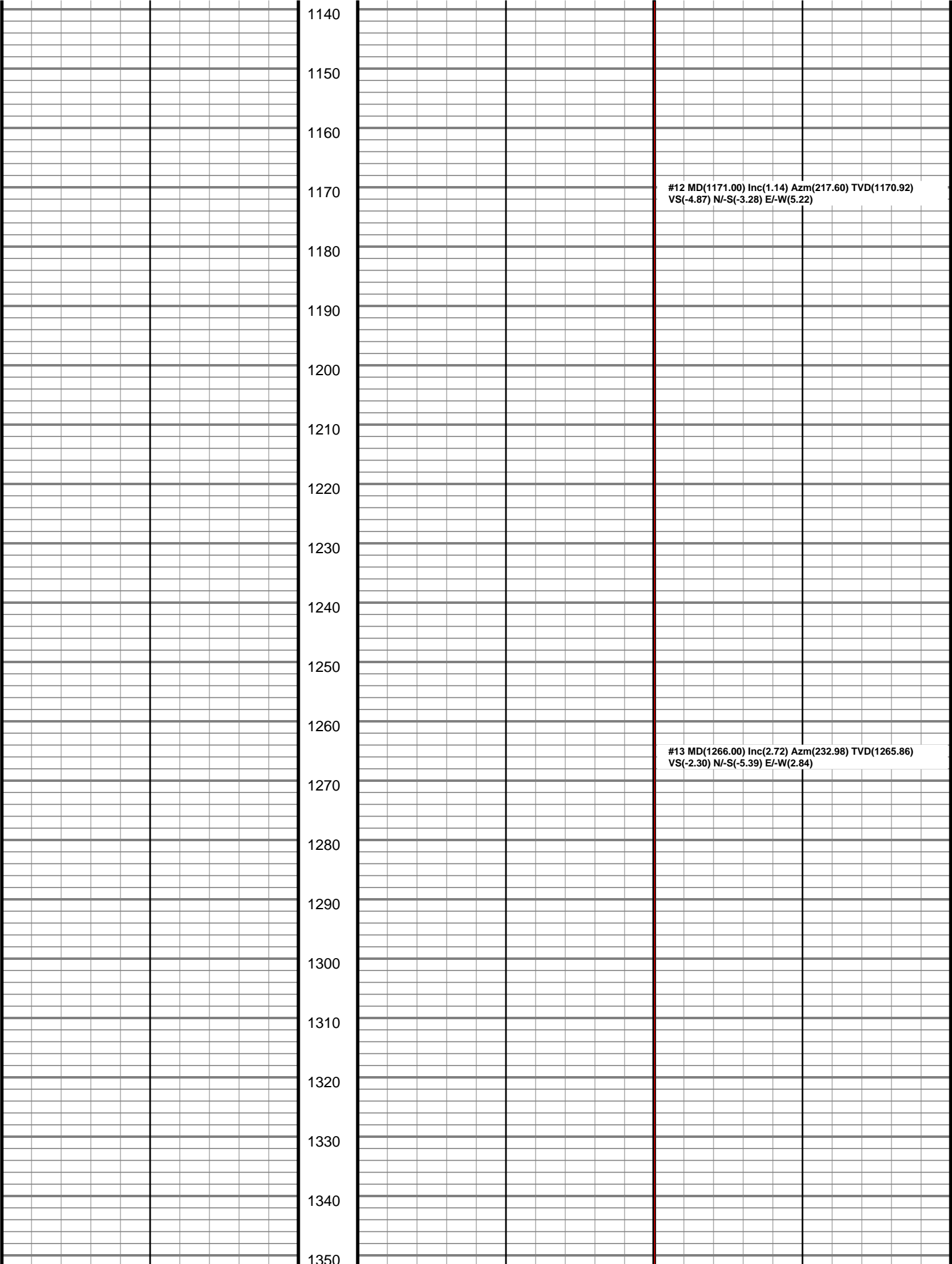
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#14 MD(1361.00) Inc(4.00) Azm(240.10) TVD(1360.70)  
VS(2.64) N/-S(-8.39) E/-W(-1.83)

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#15 MD(1456.00) Inc(3.78) Azm(239.31) TVD(1455.48)  
VS(8.50) N/-S(-11.64) E/-W(-7.40)

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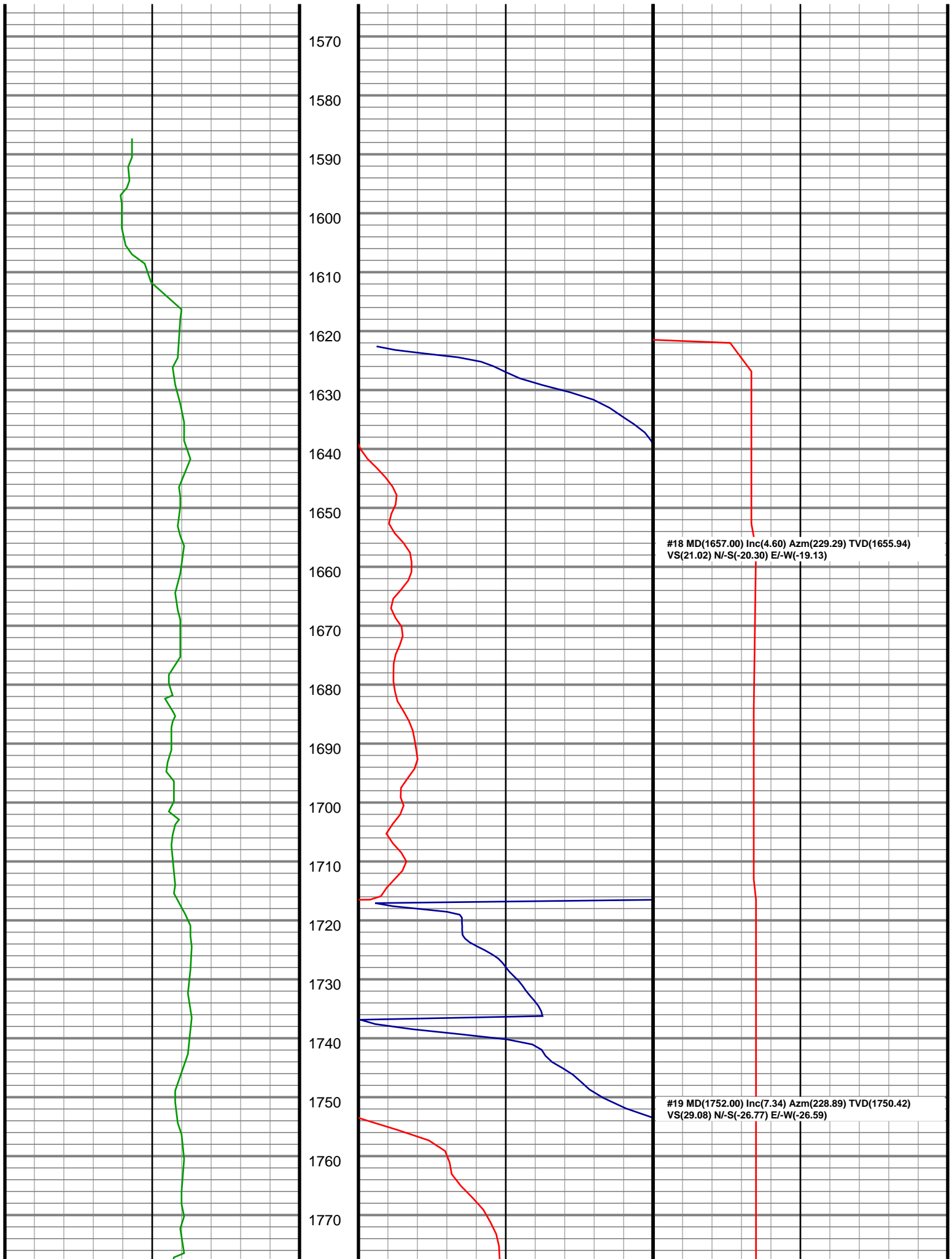
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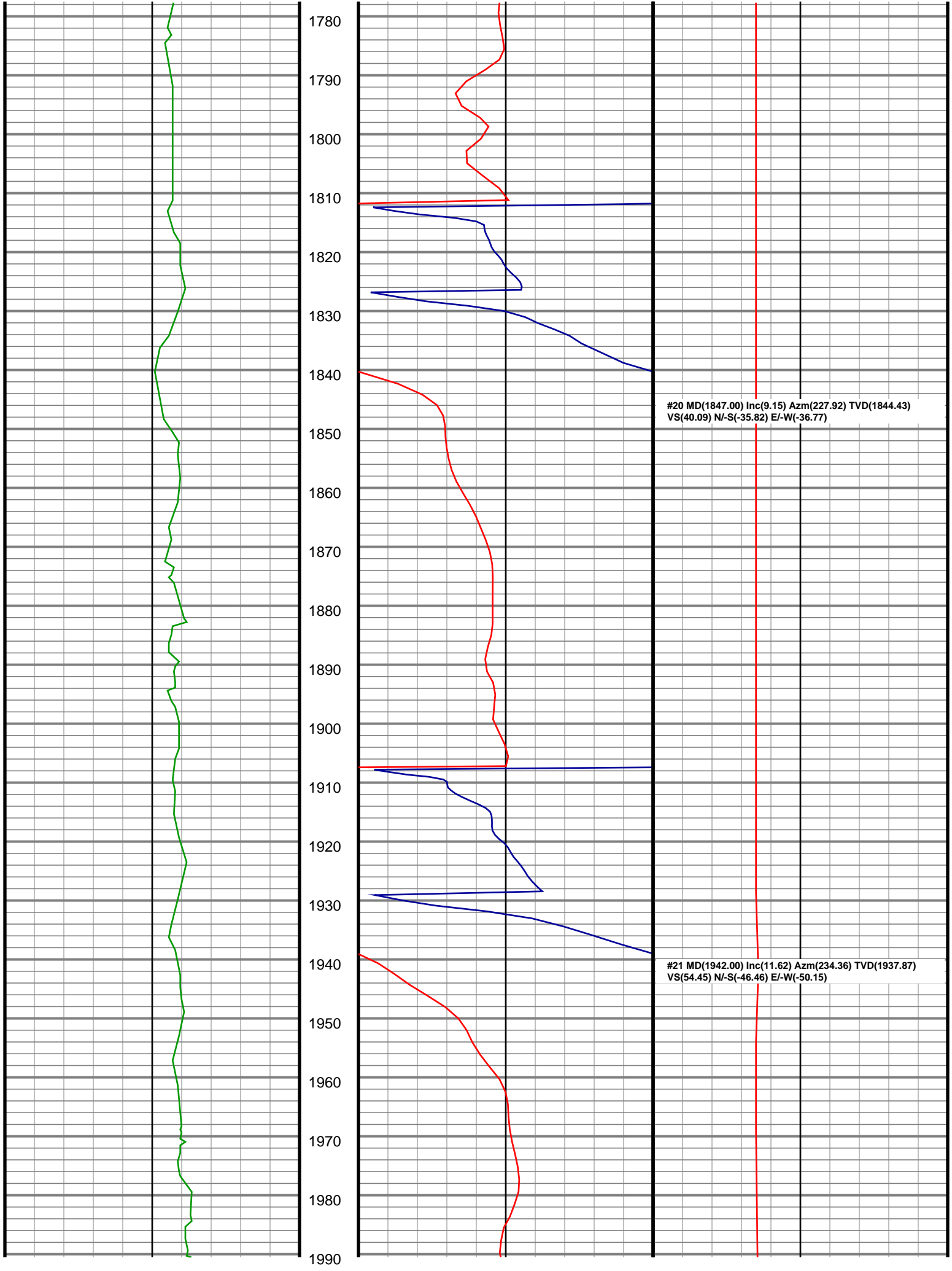
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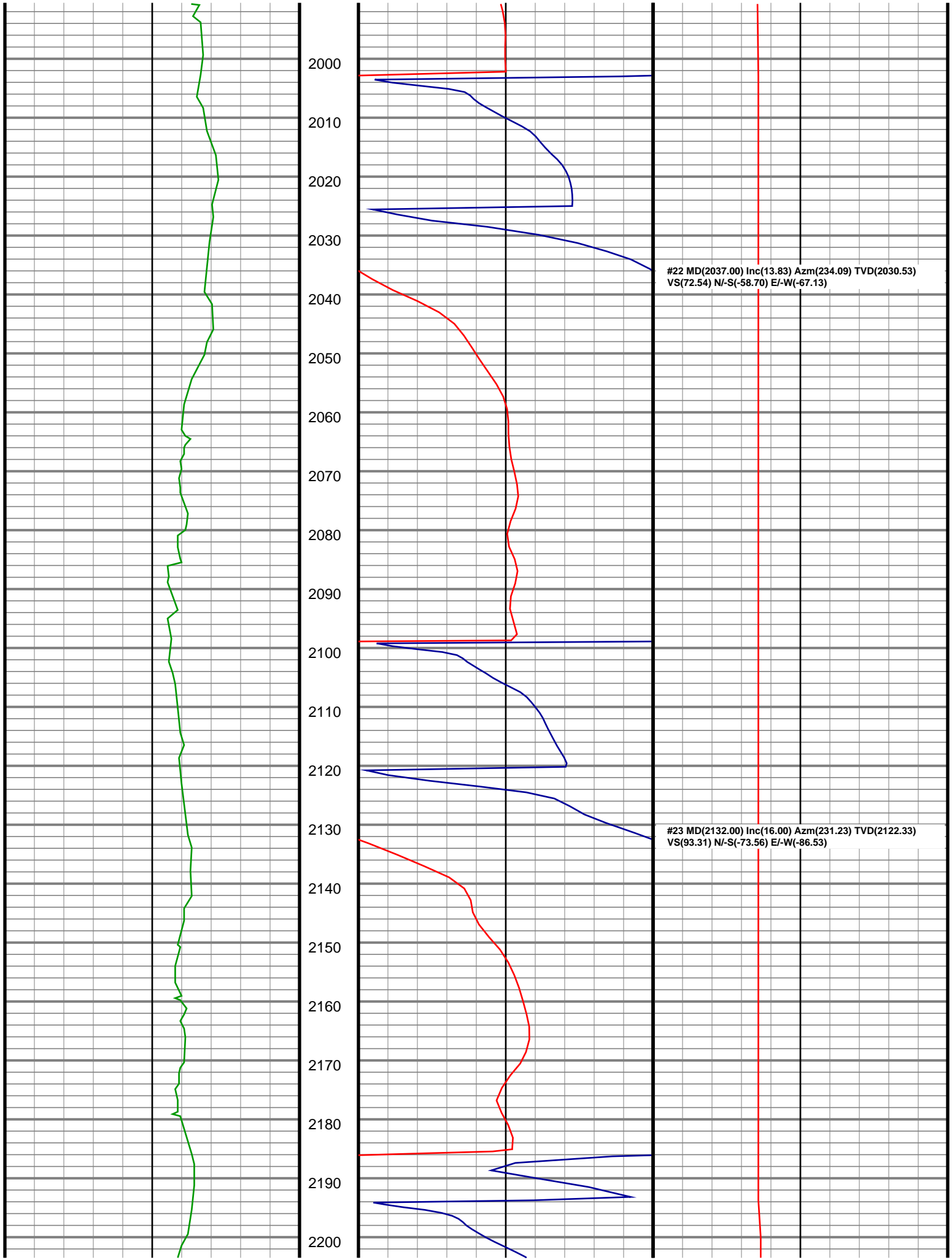
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VS(14.52) N/-S(-15.45) E/-W(-13.07)

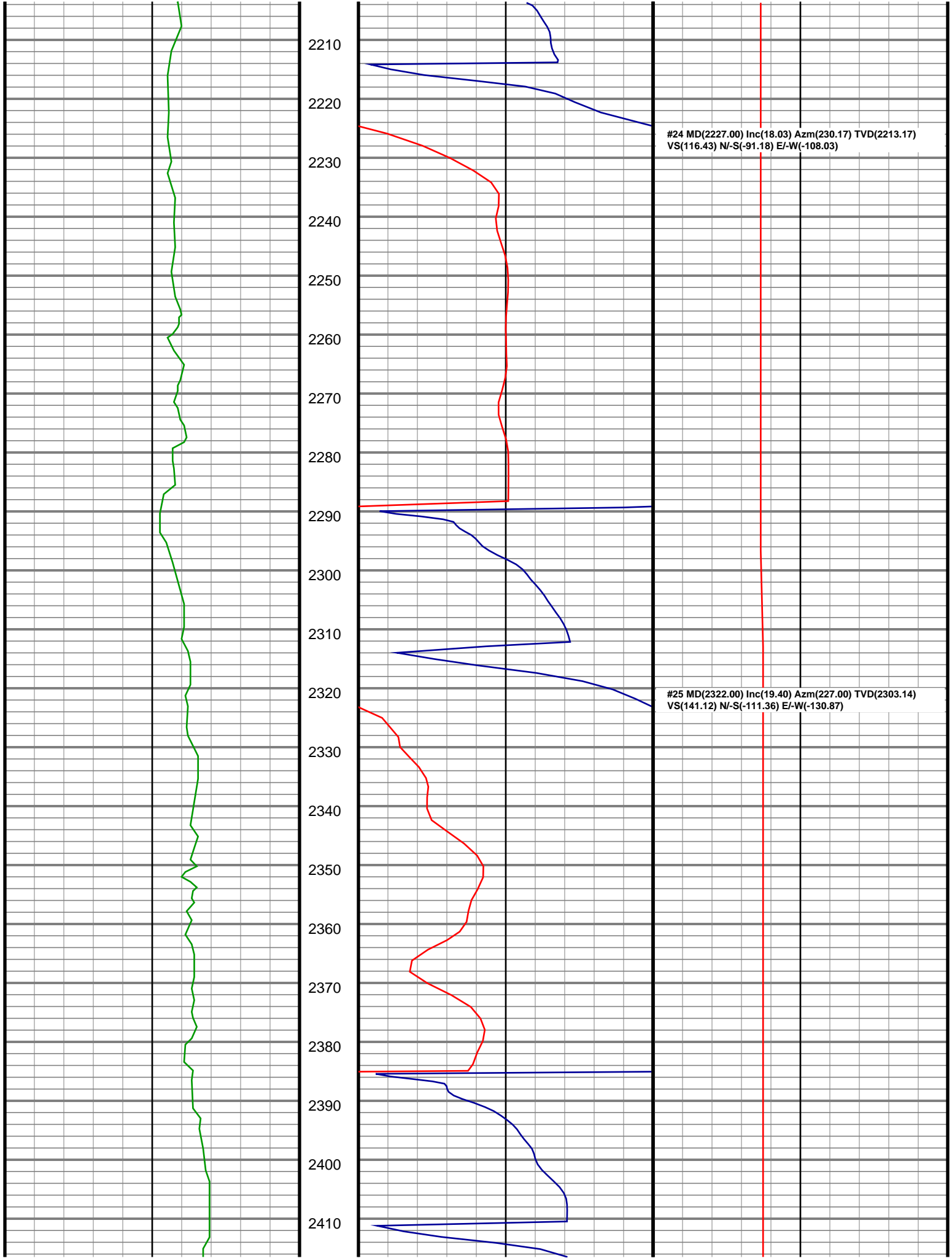
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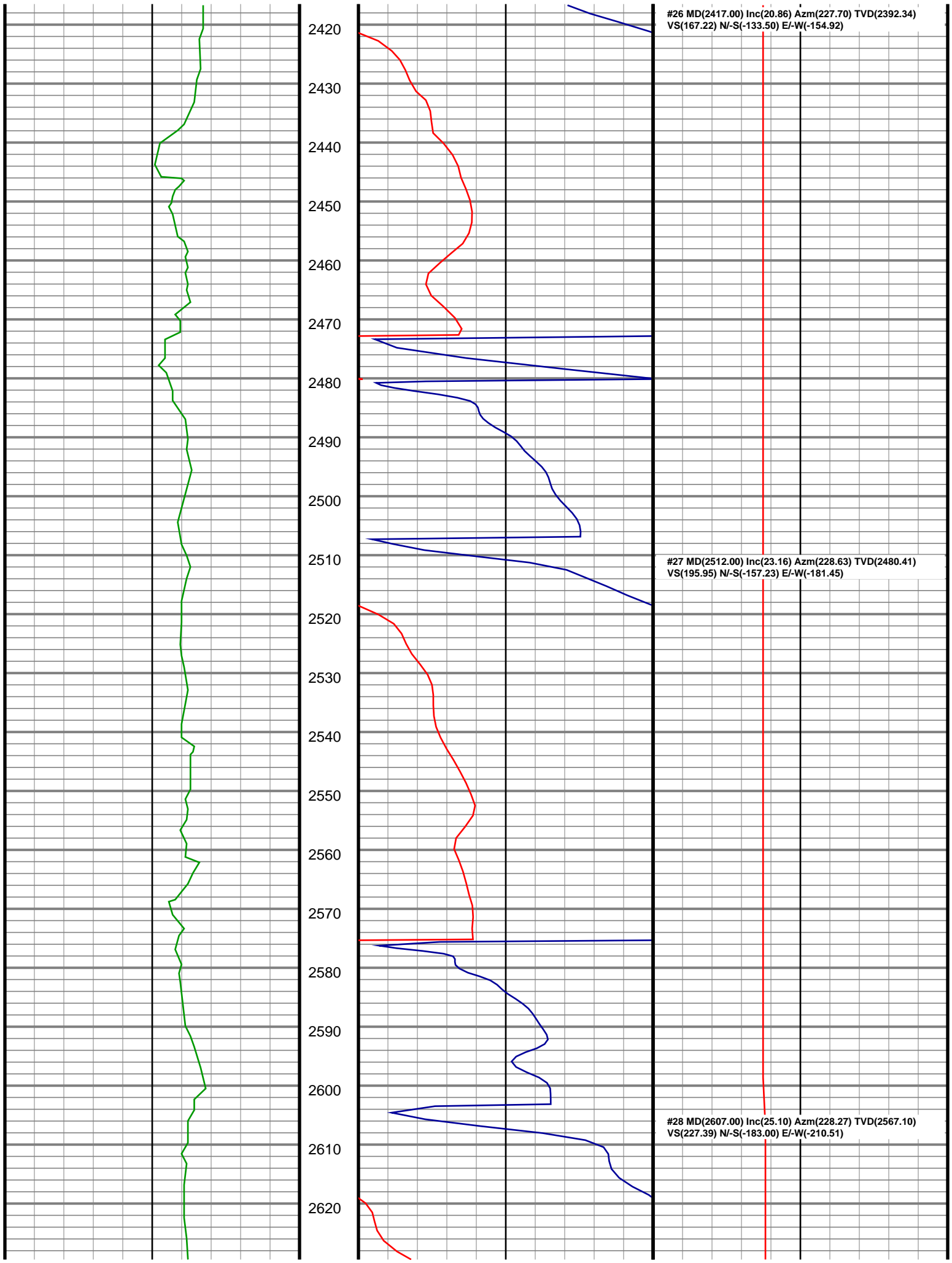


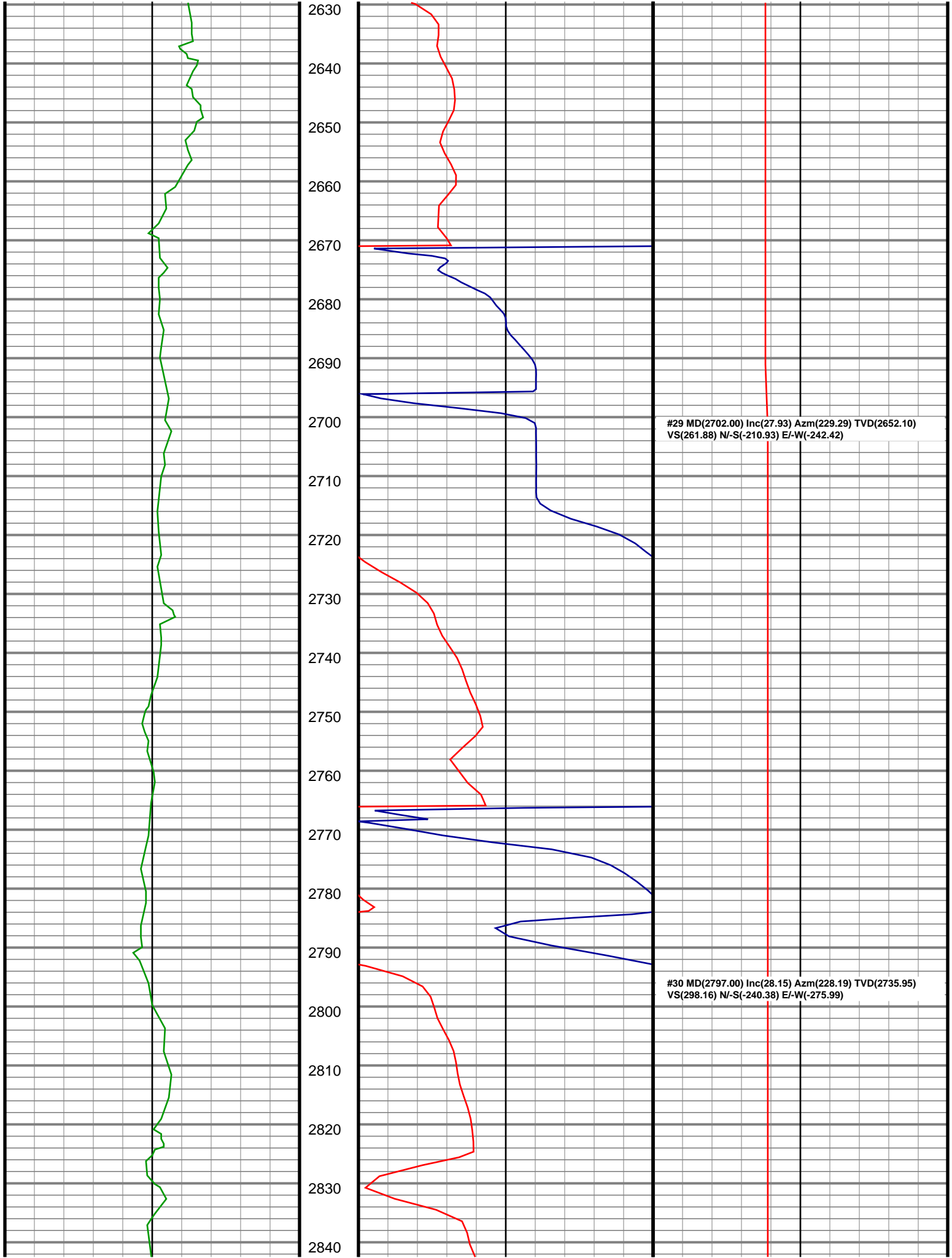


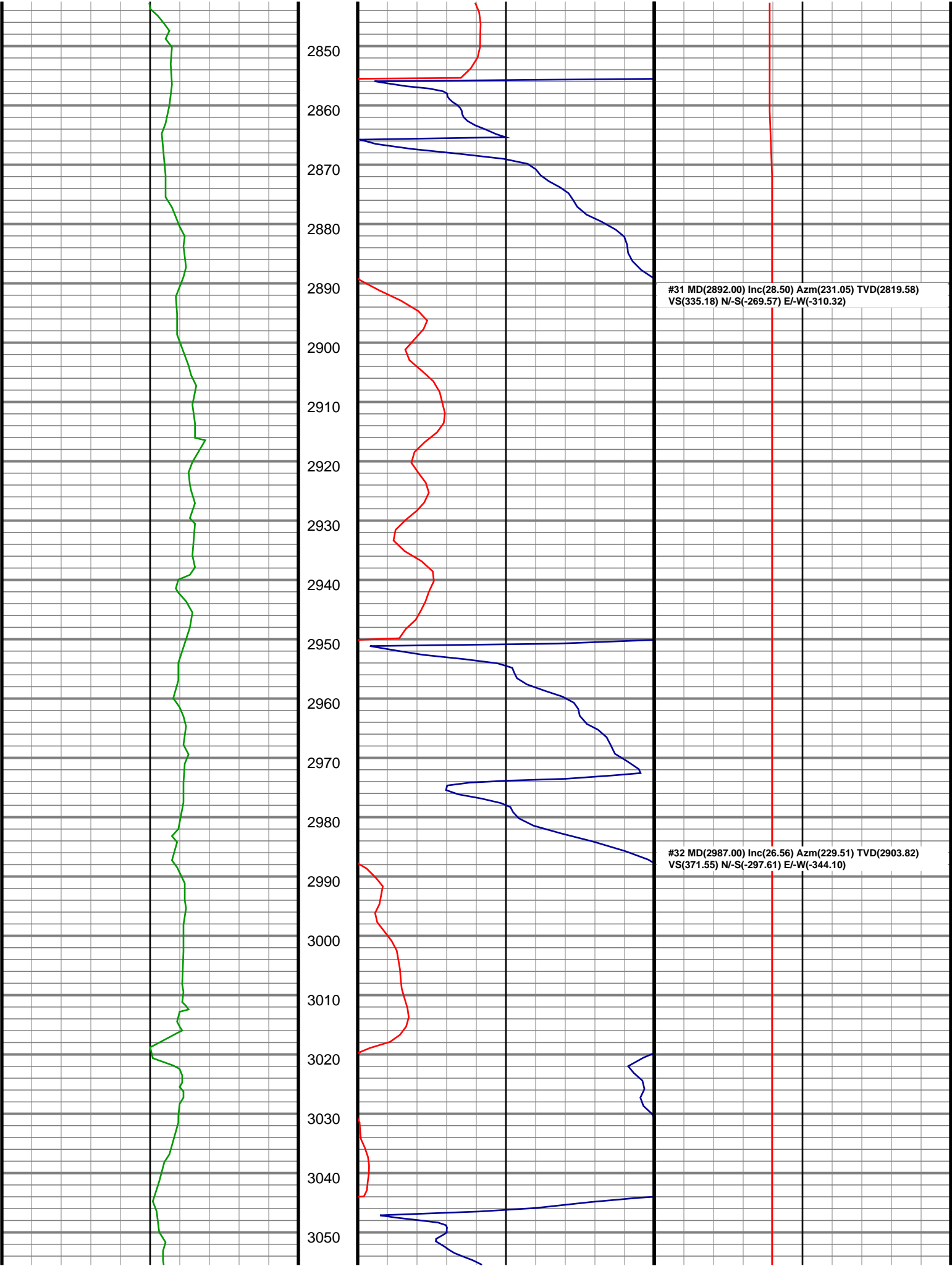


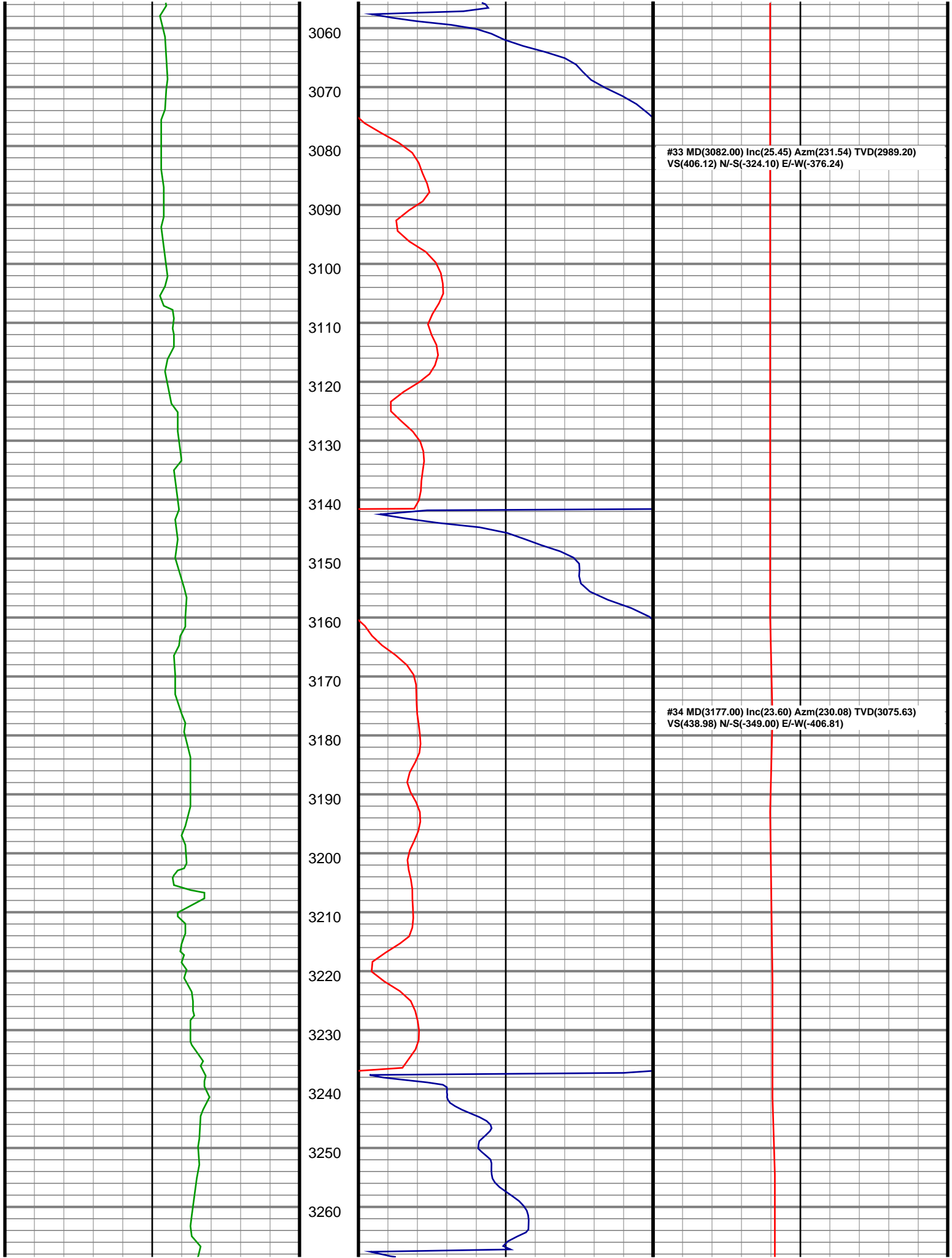




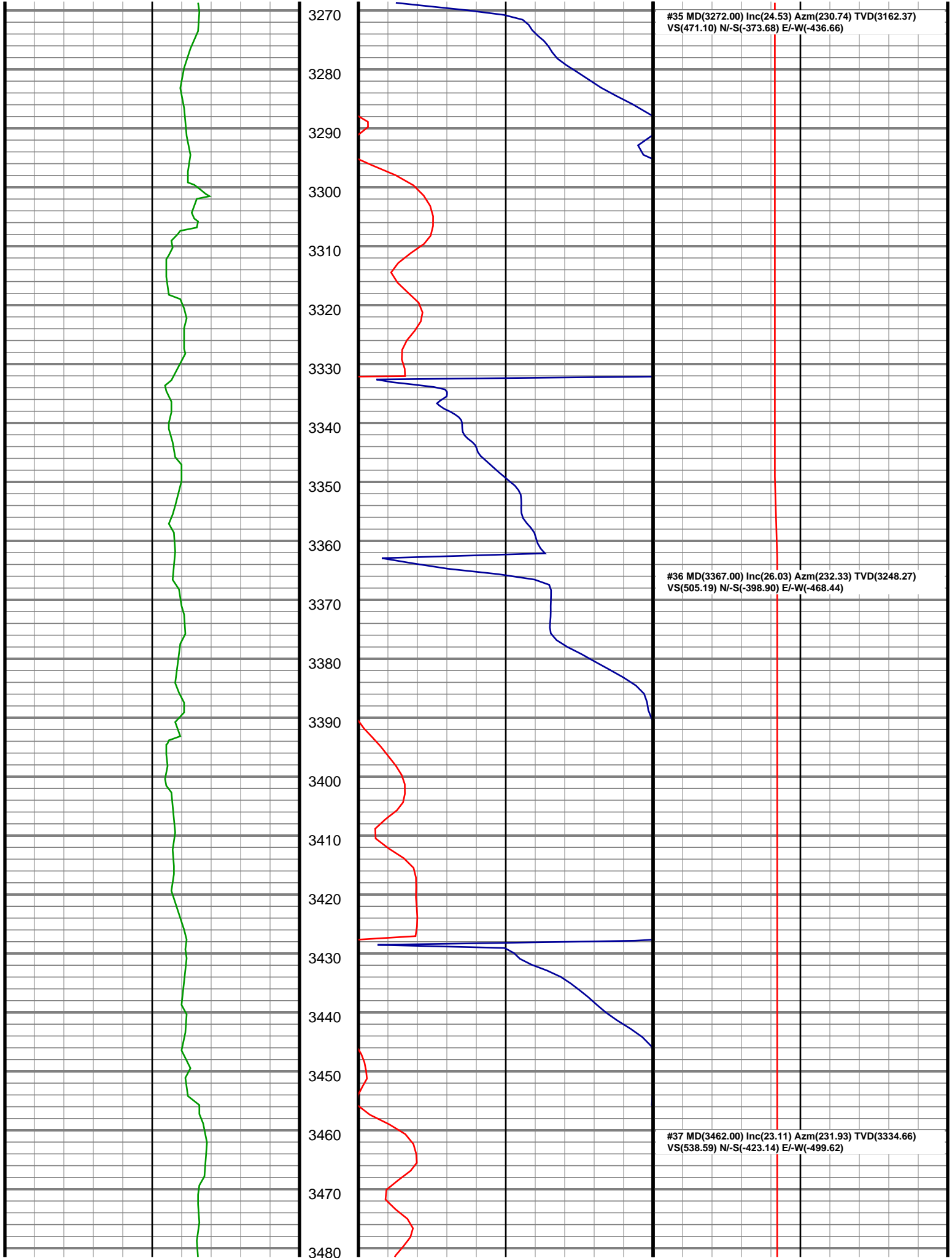


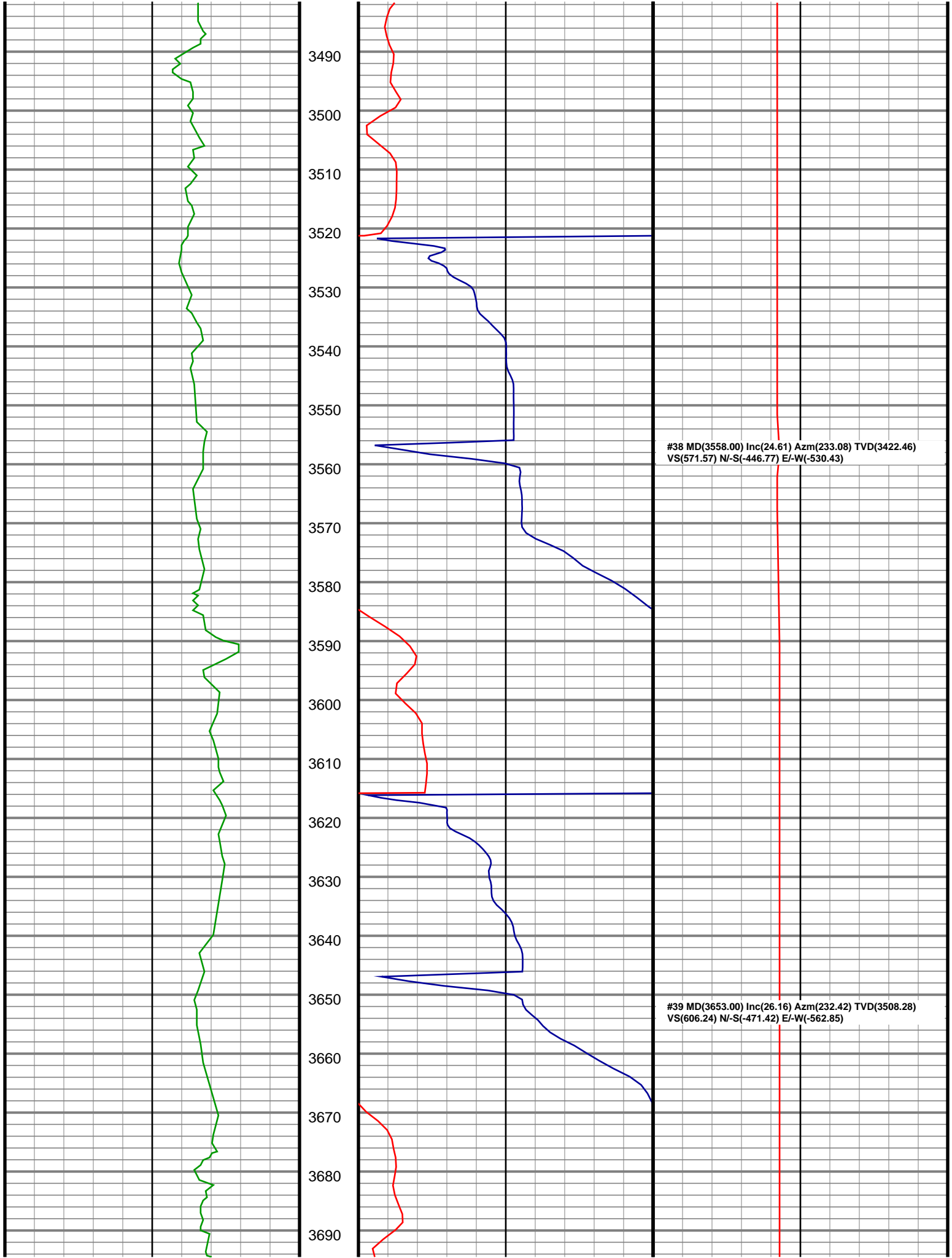


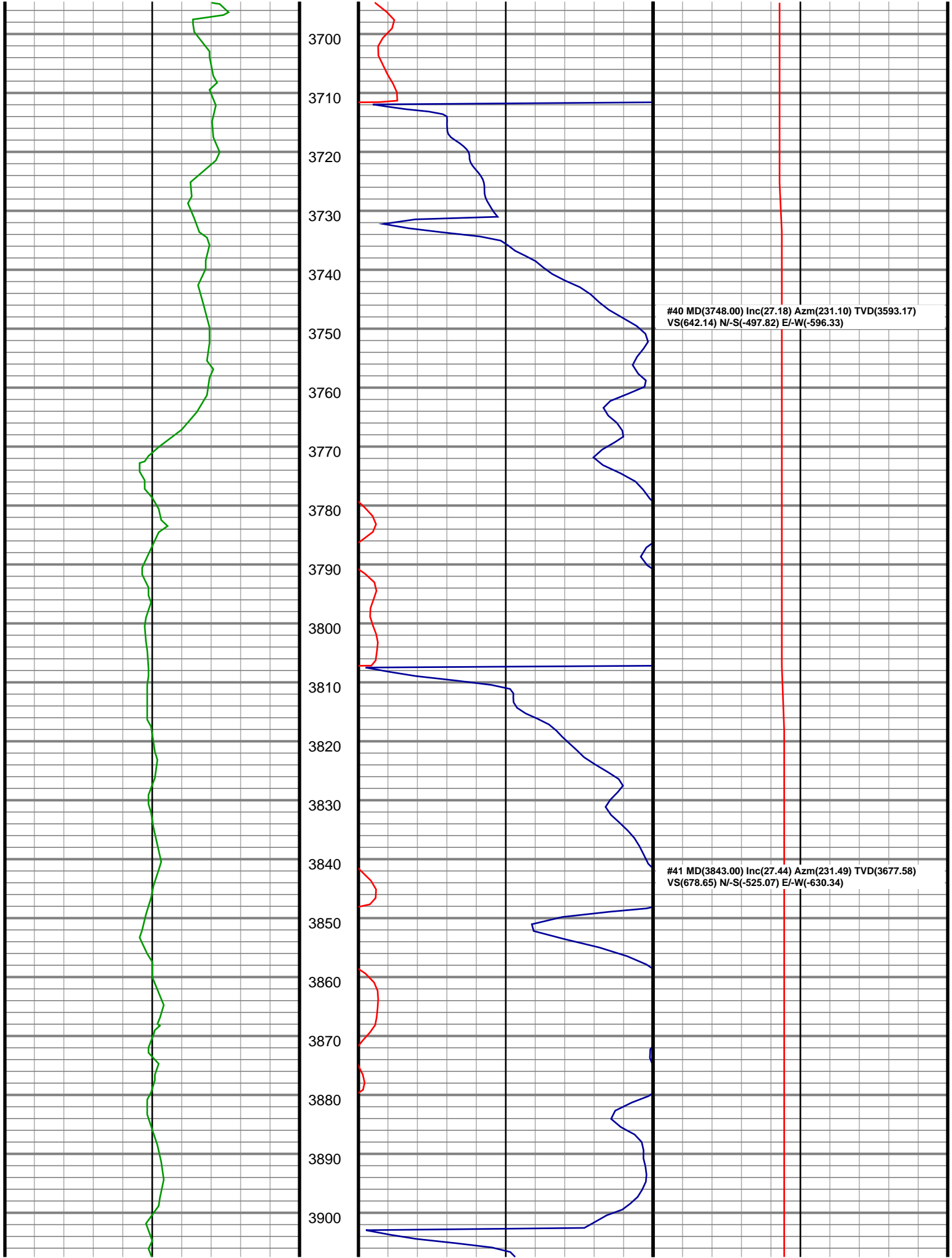


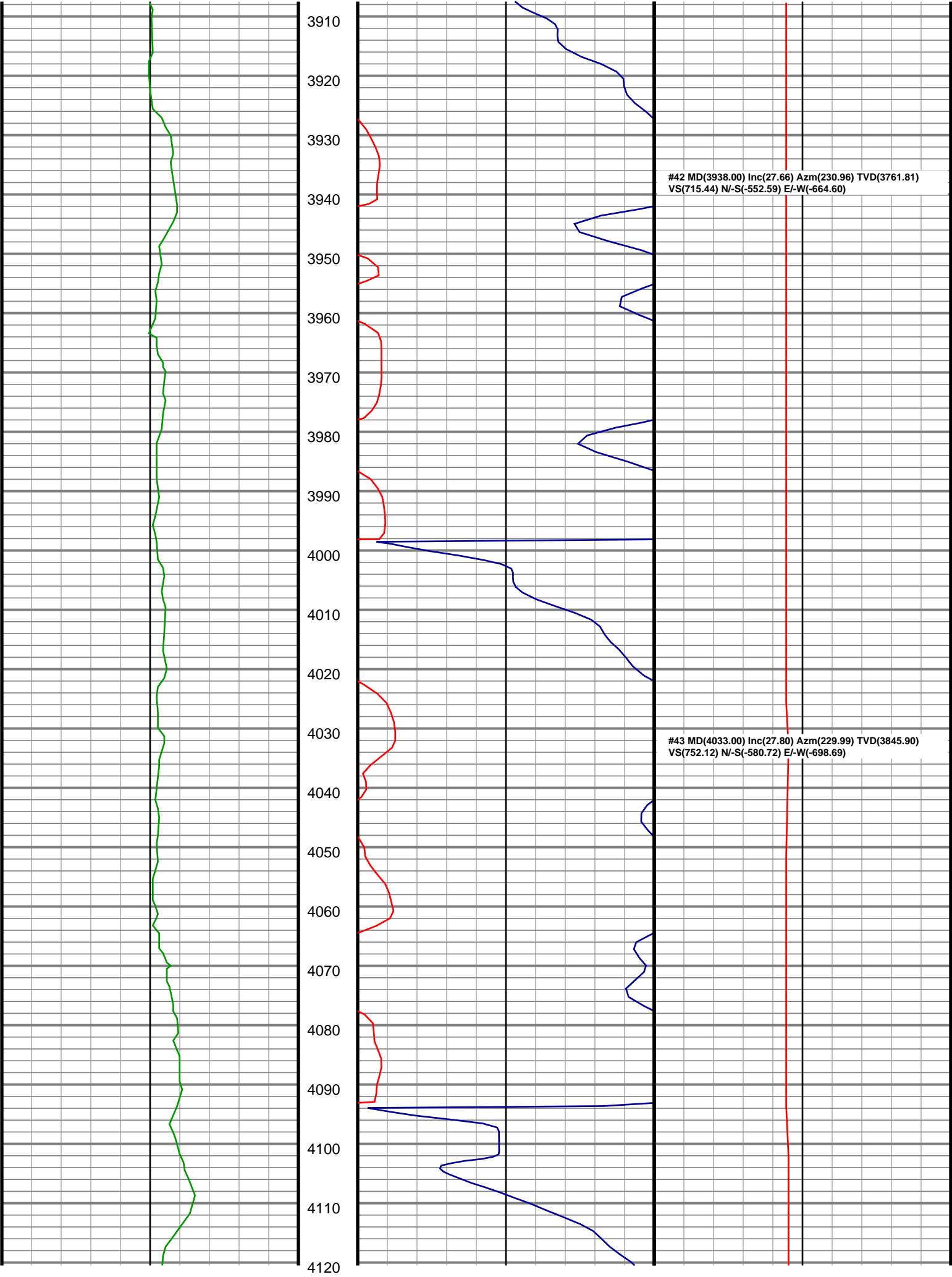


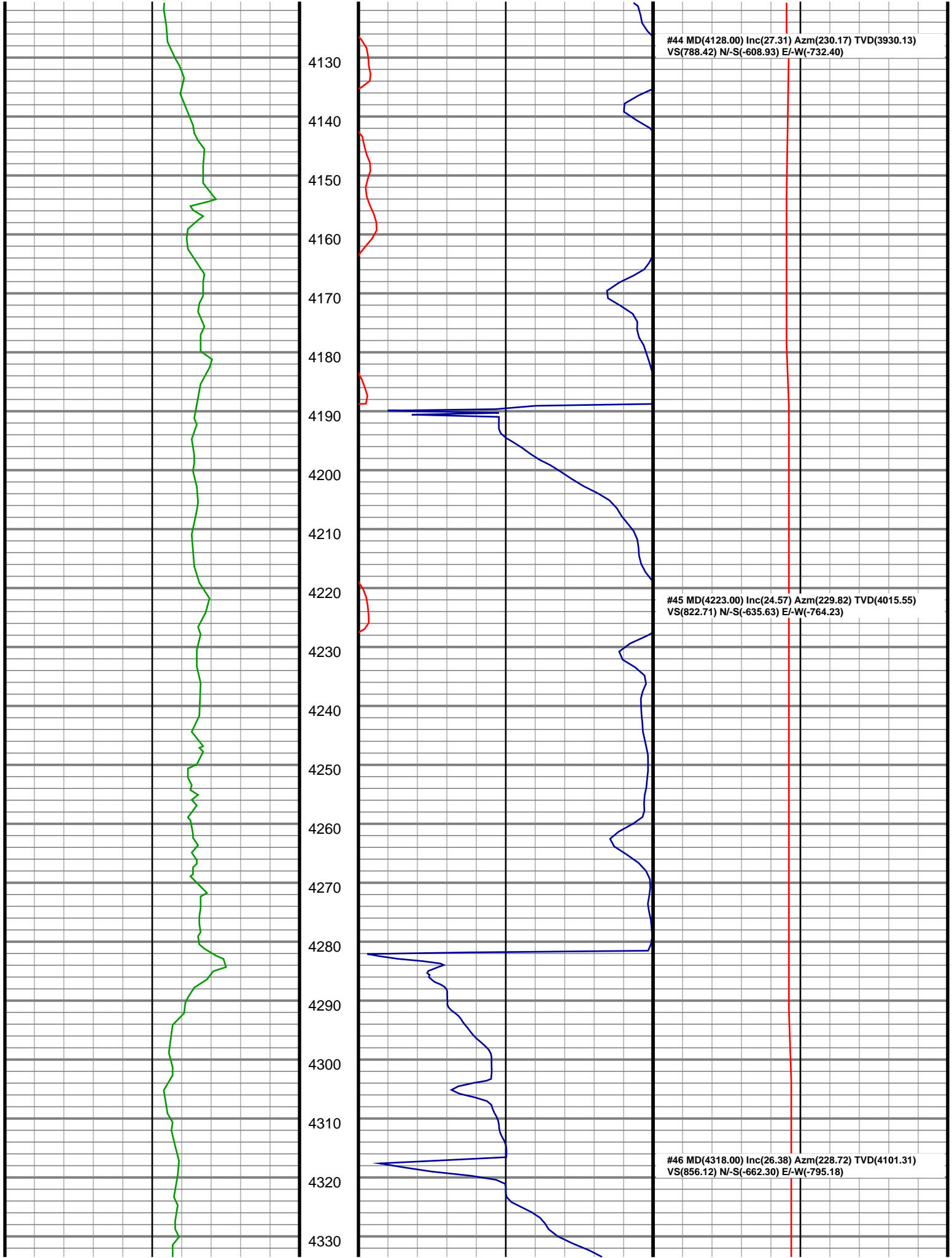


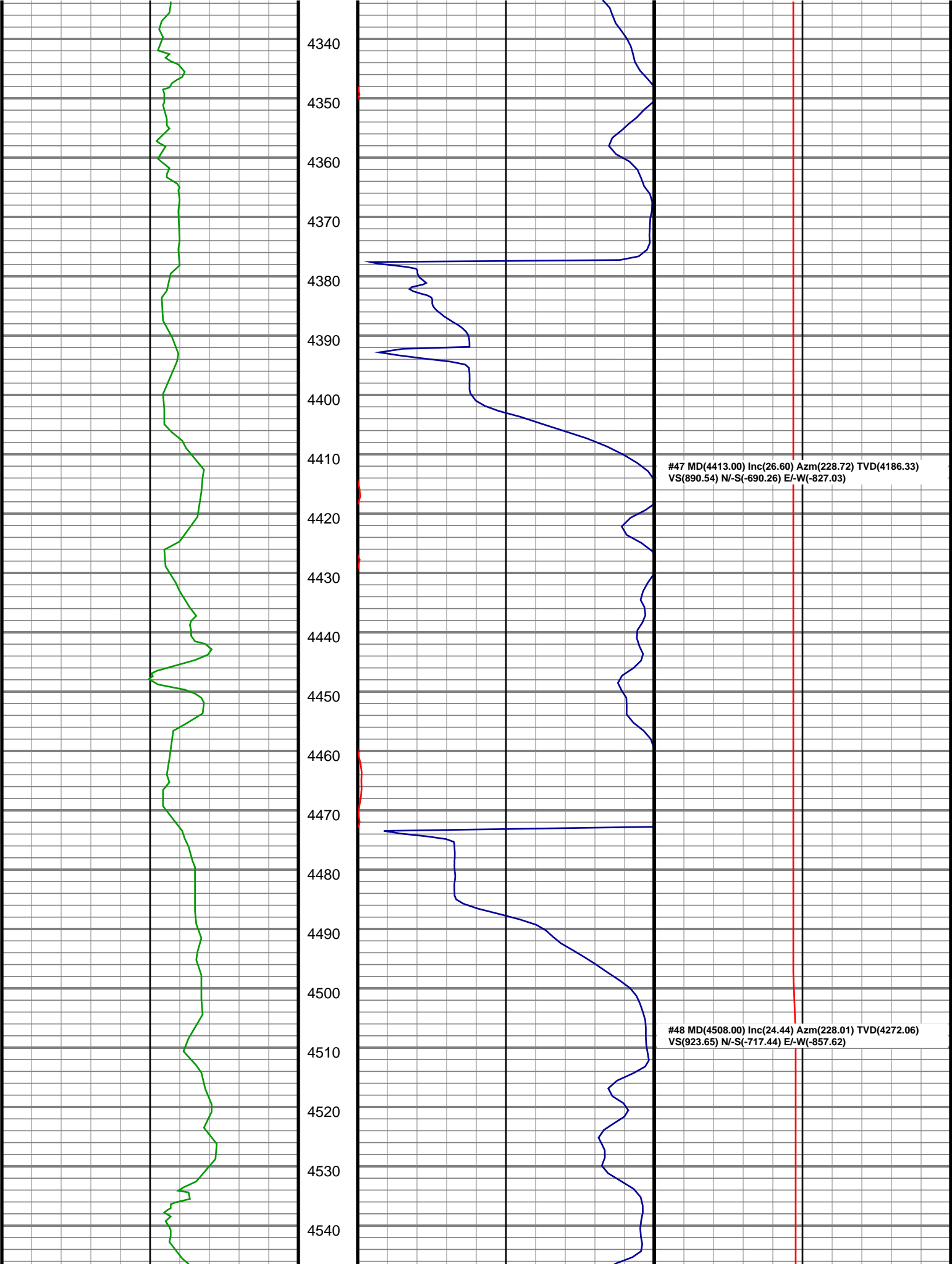


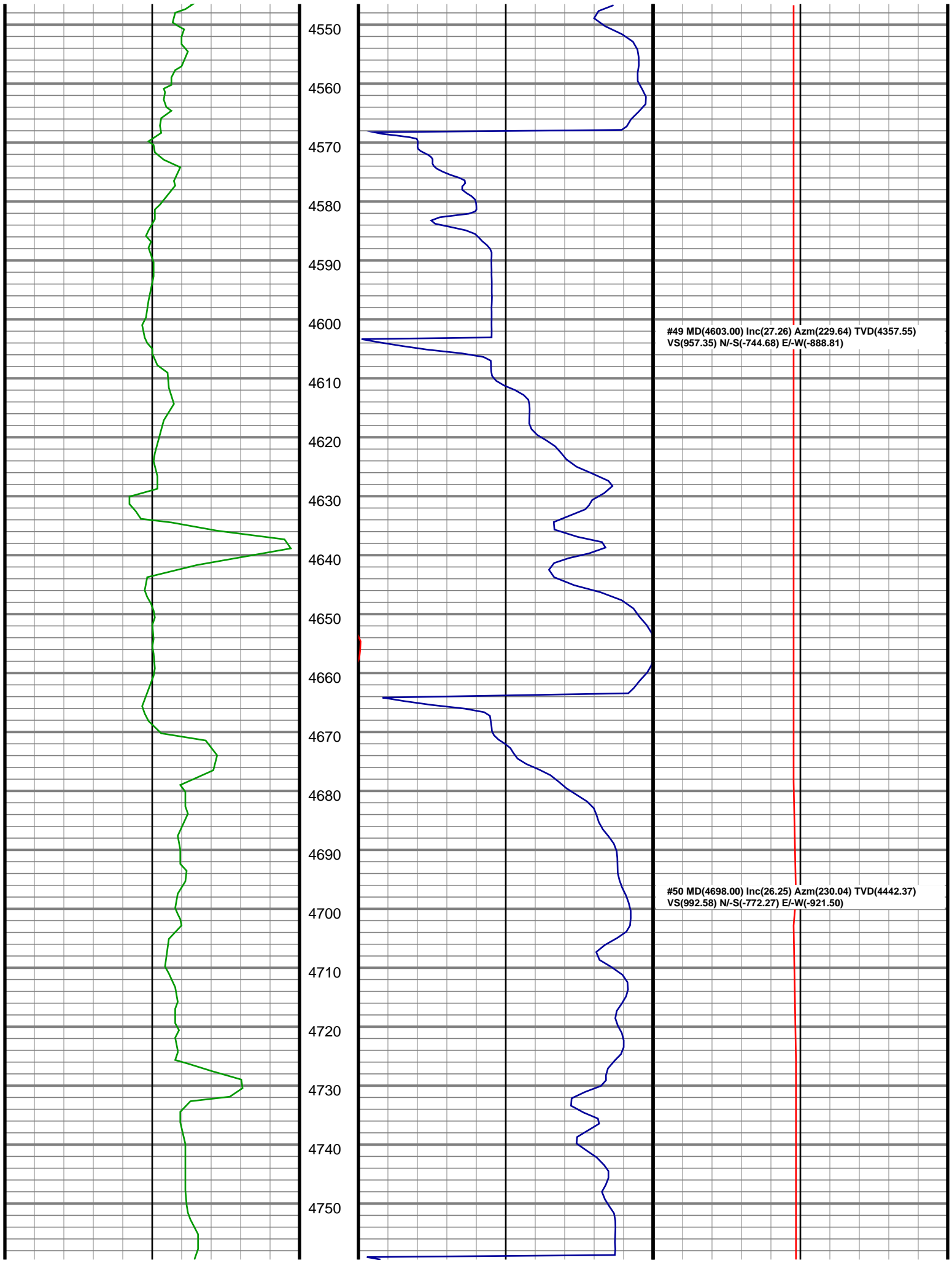


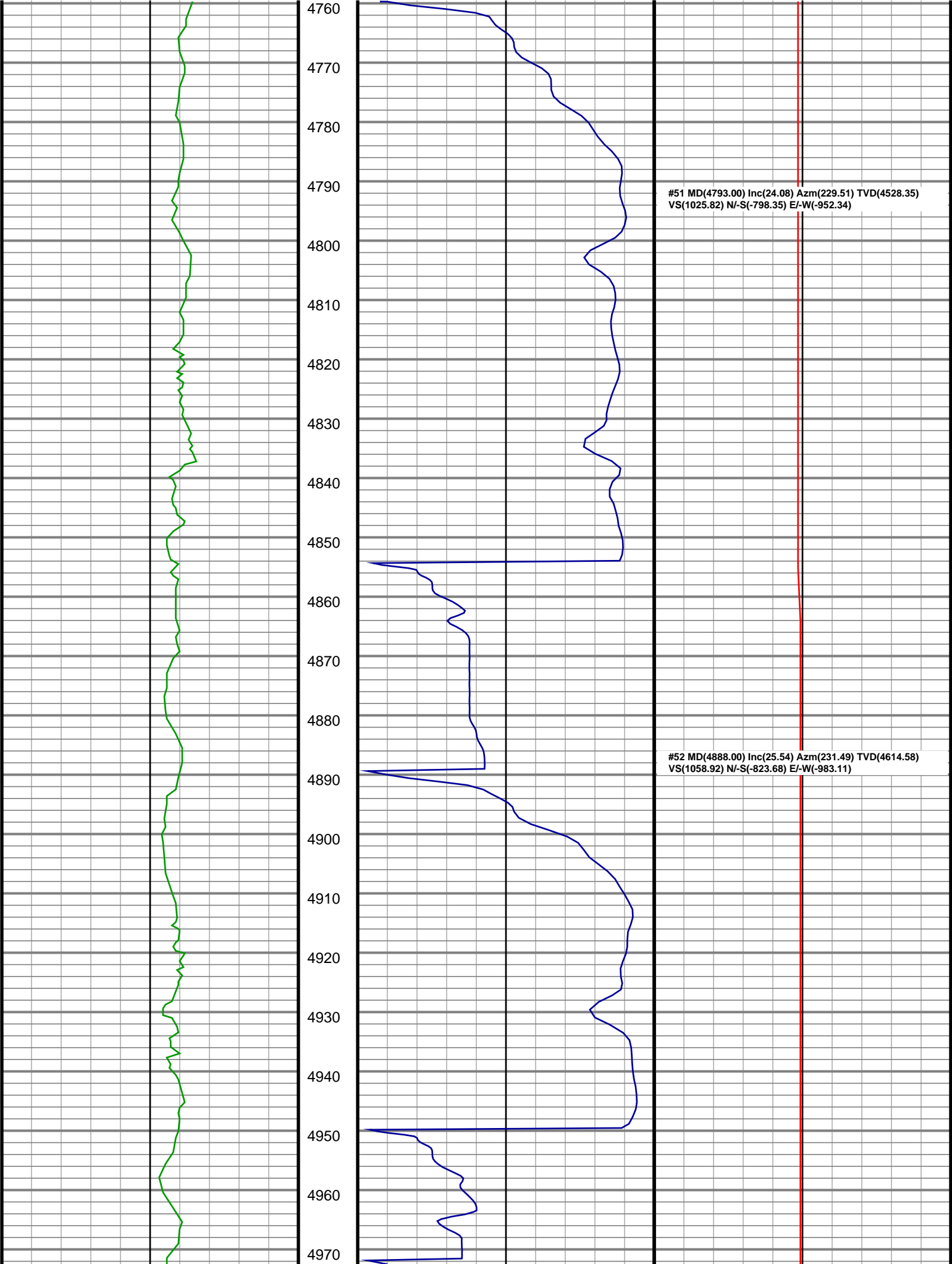




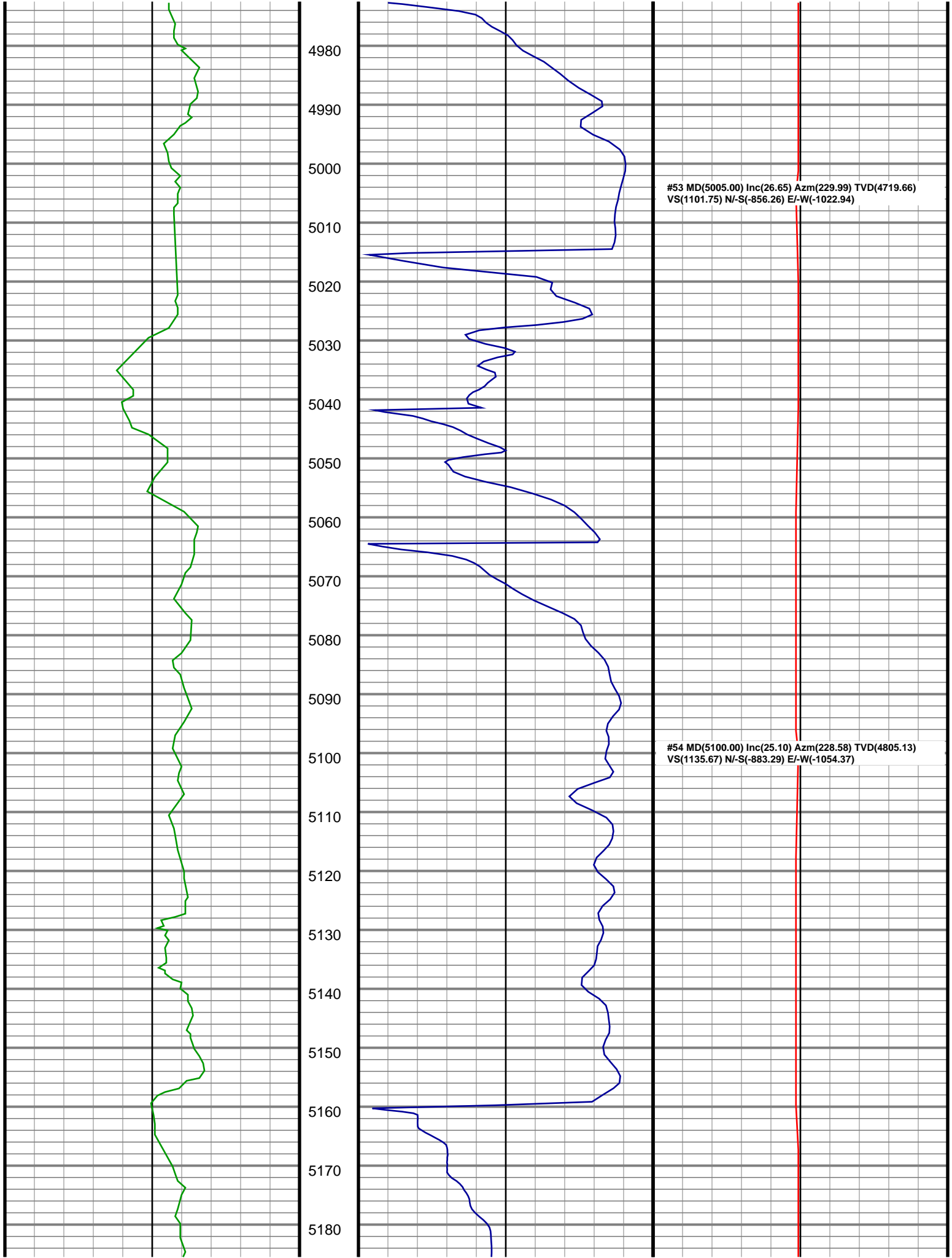


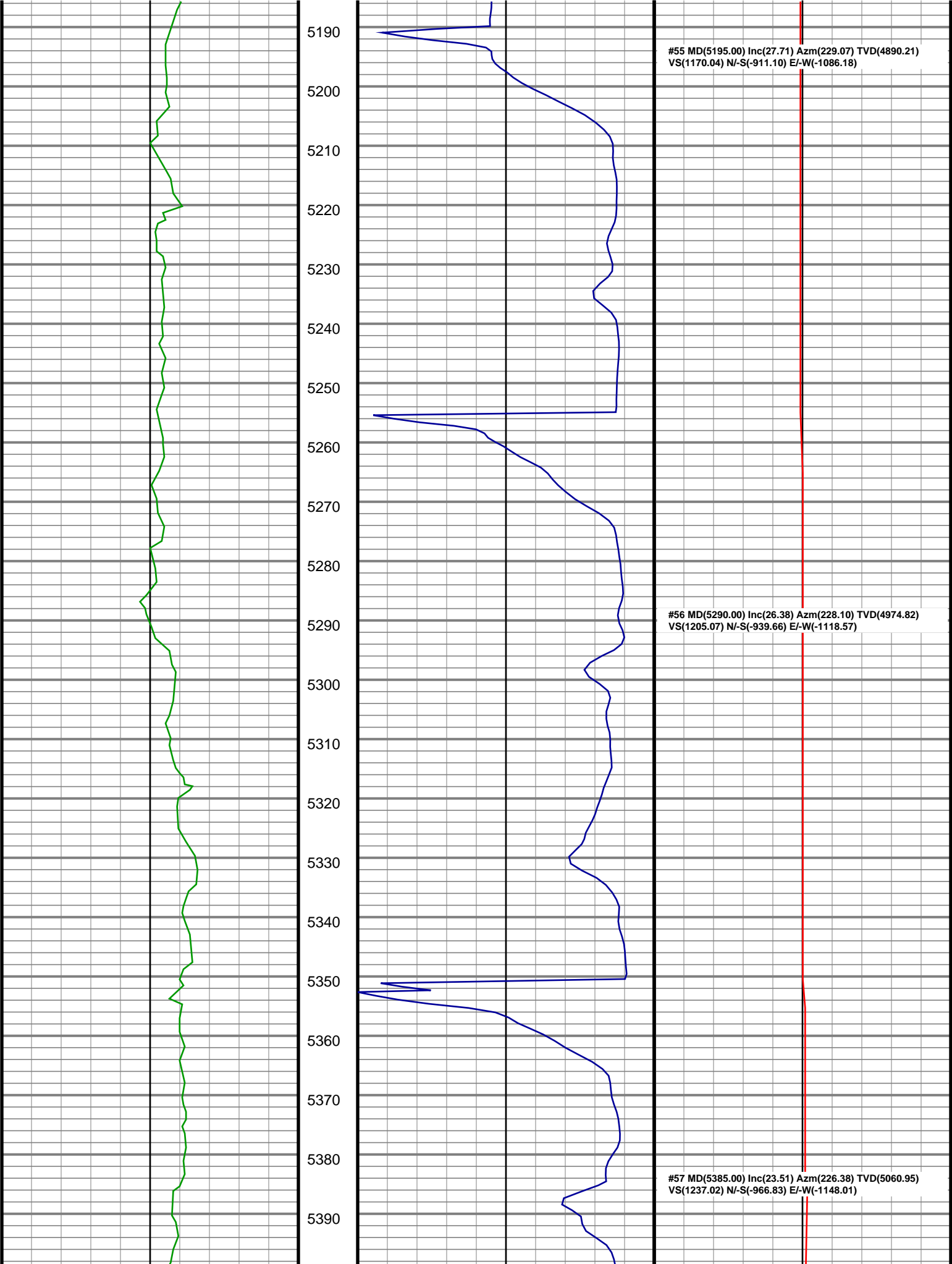


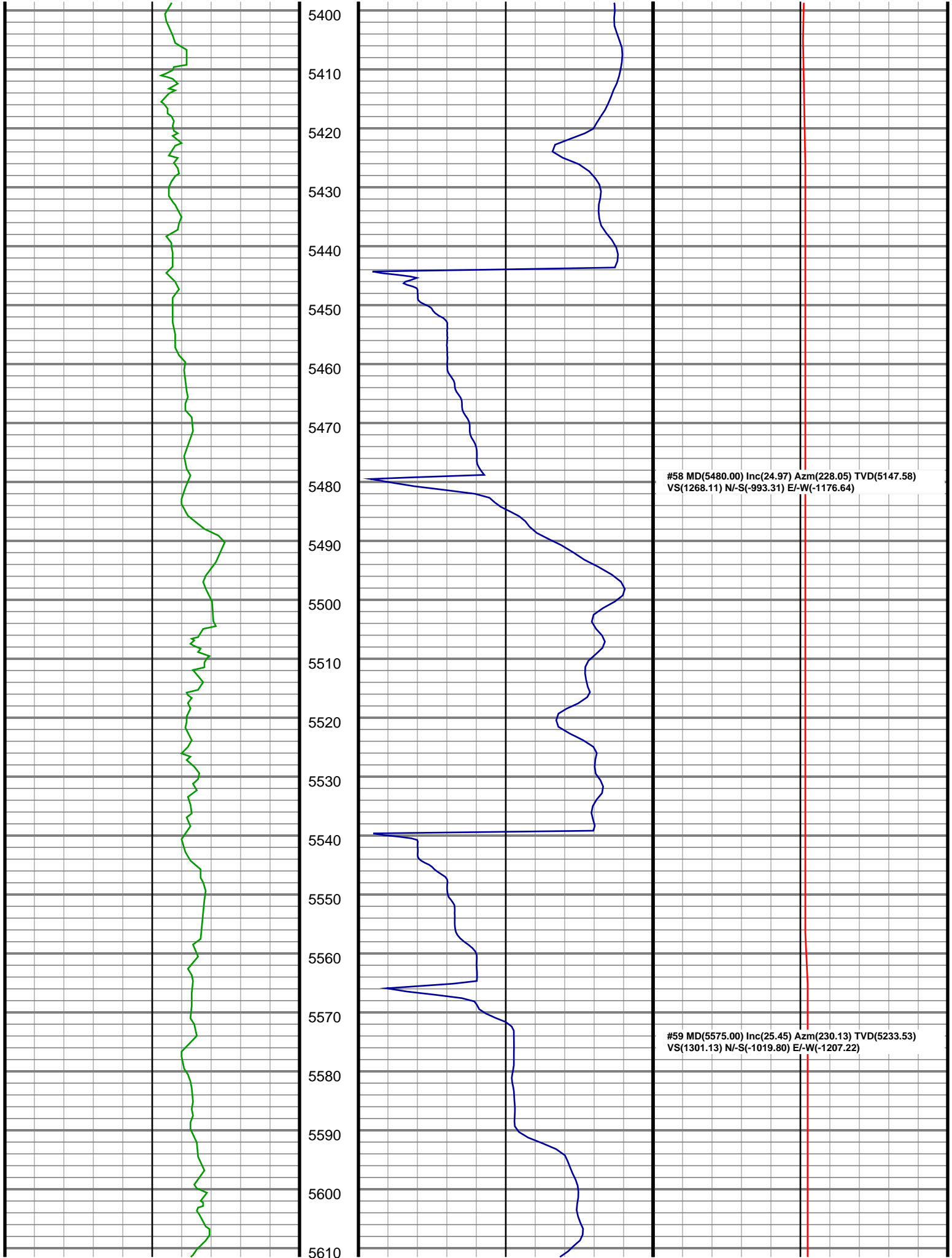


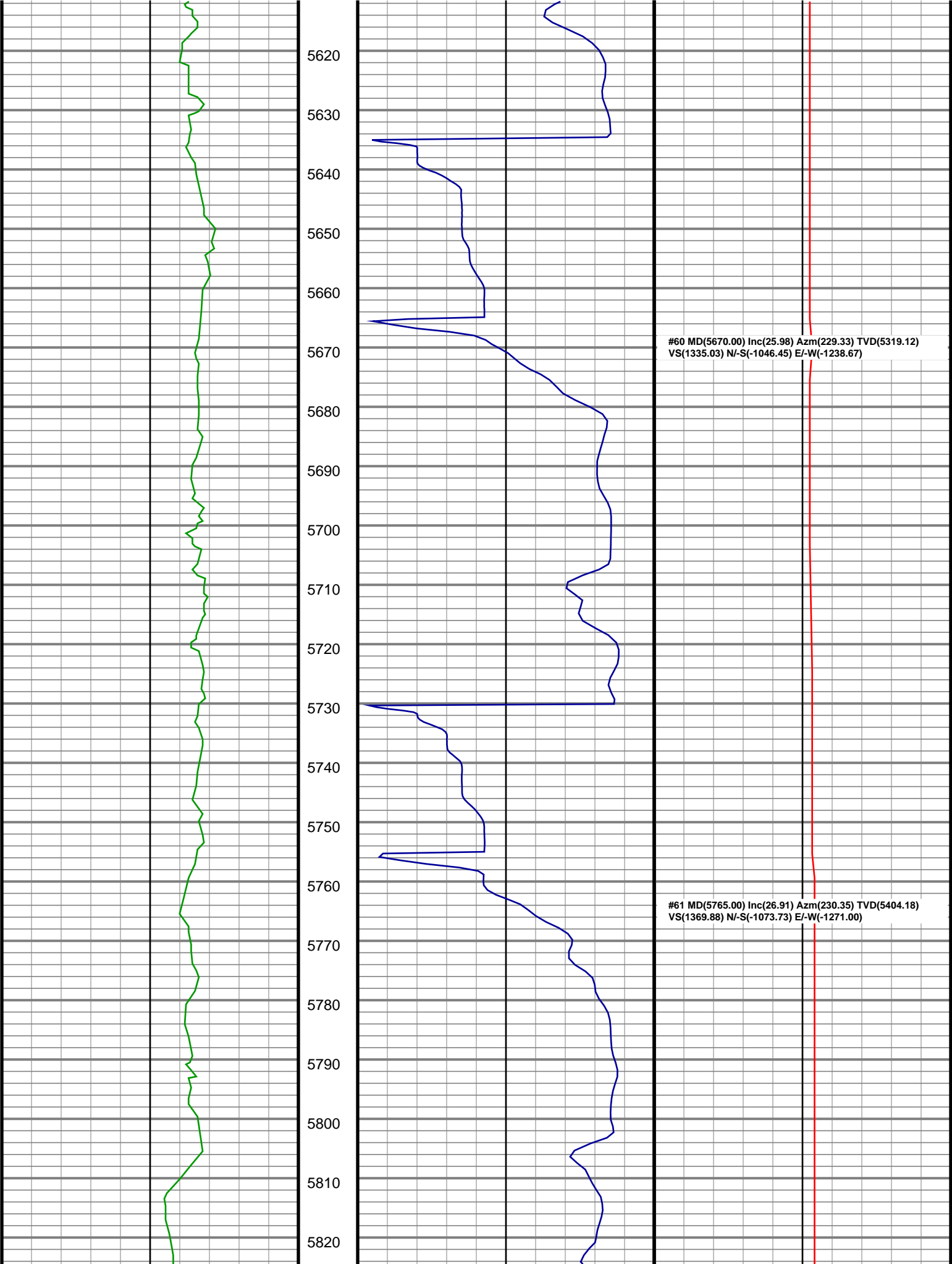


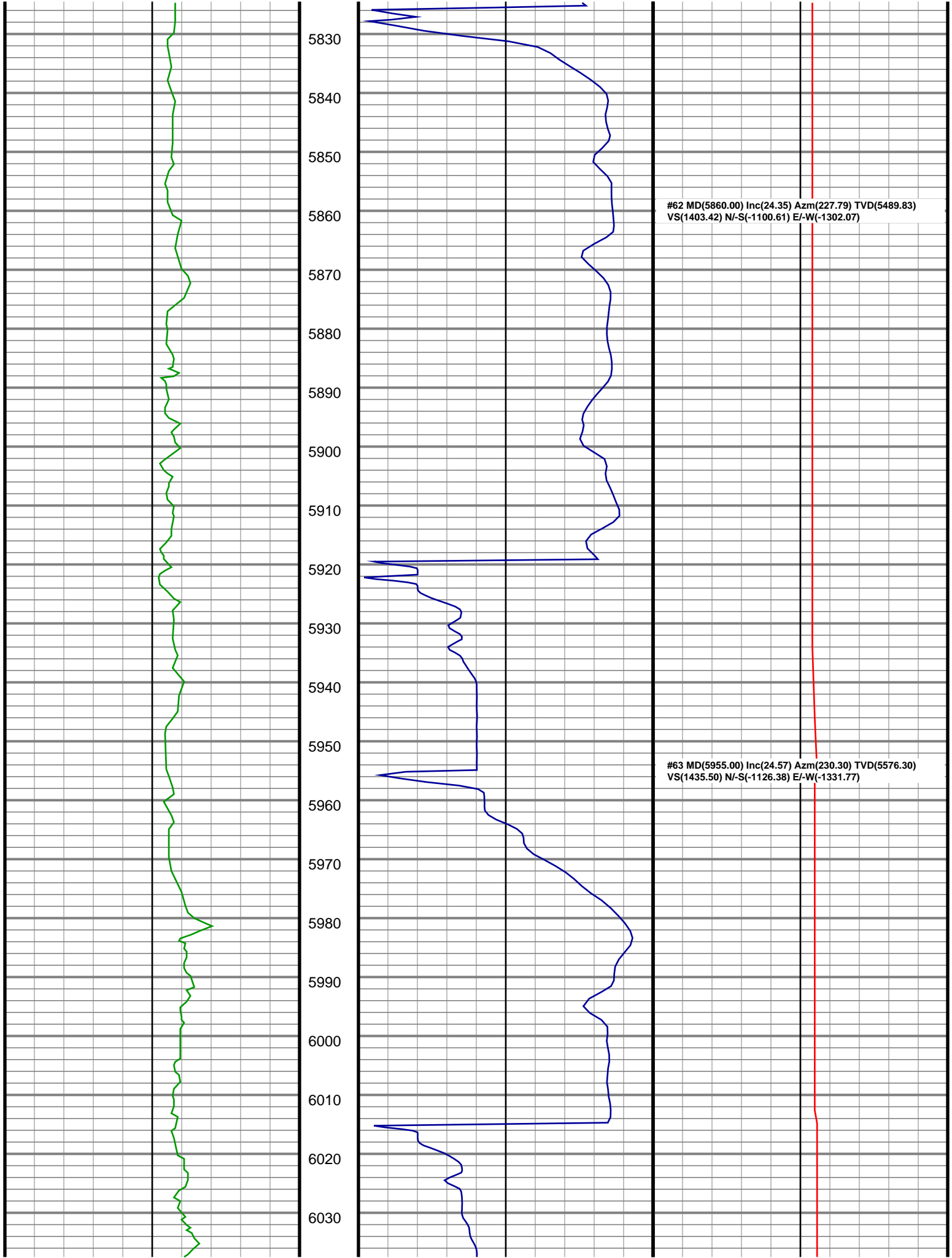


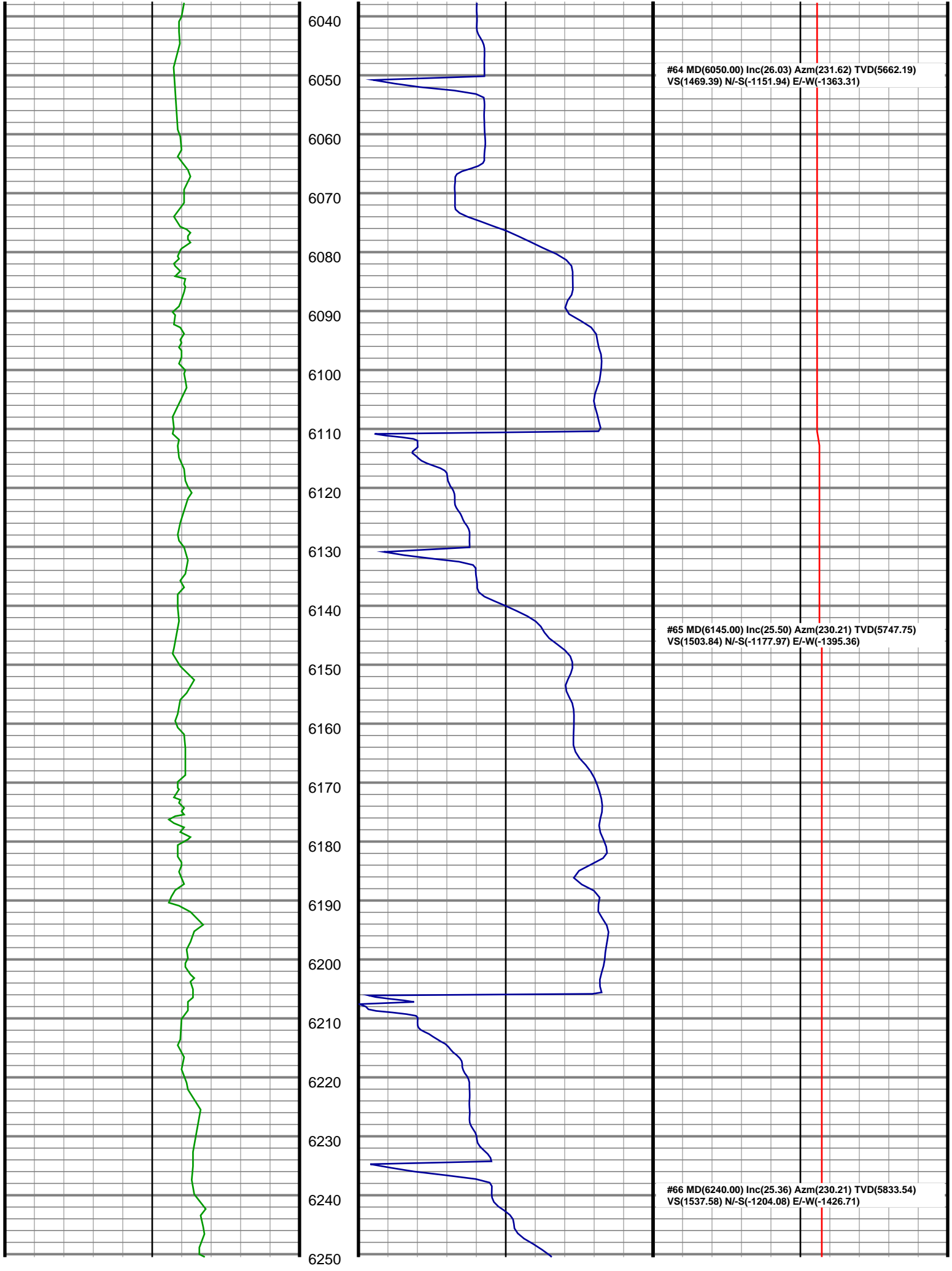


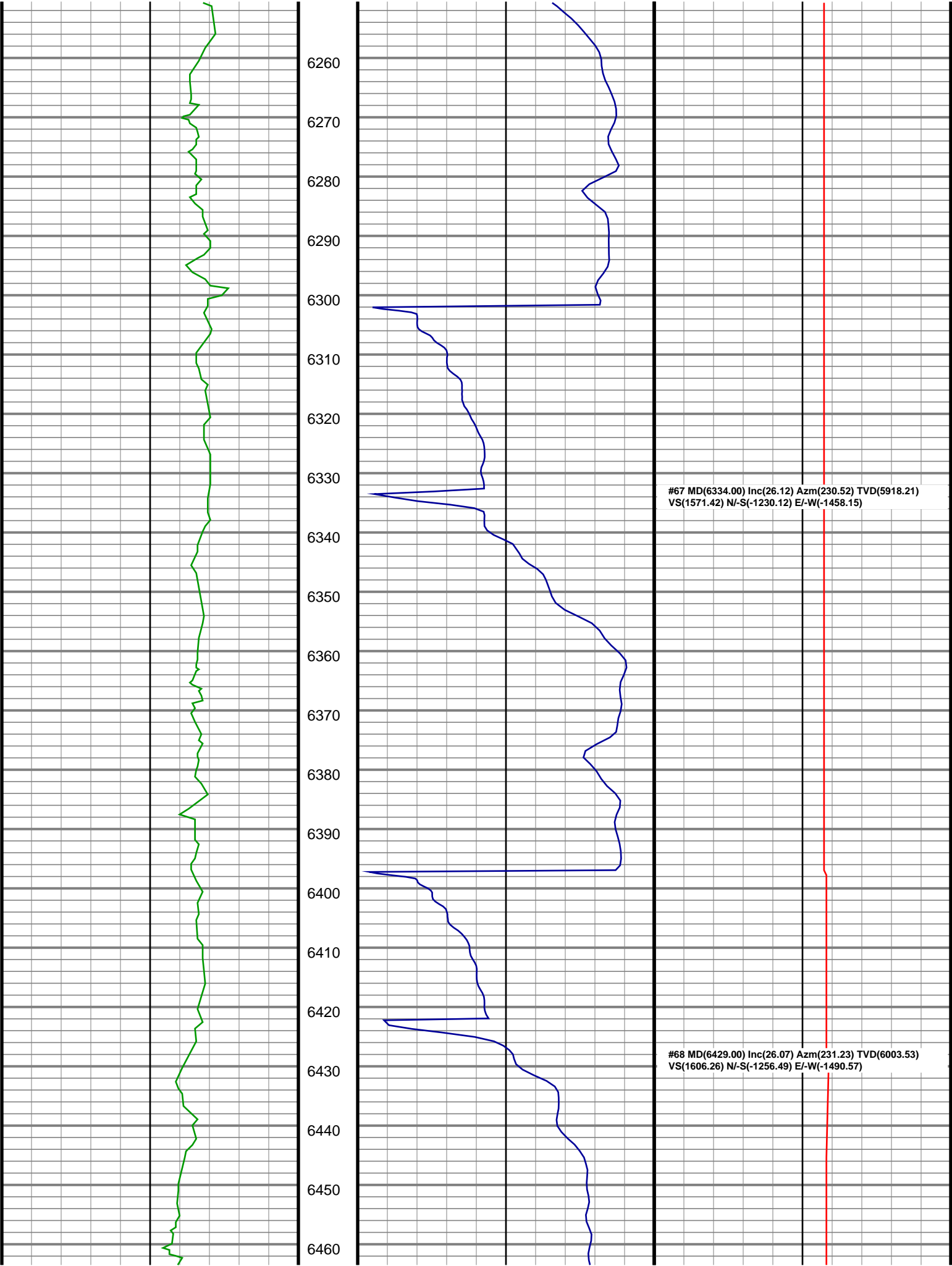


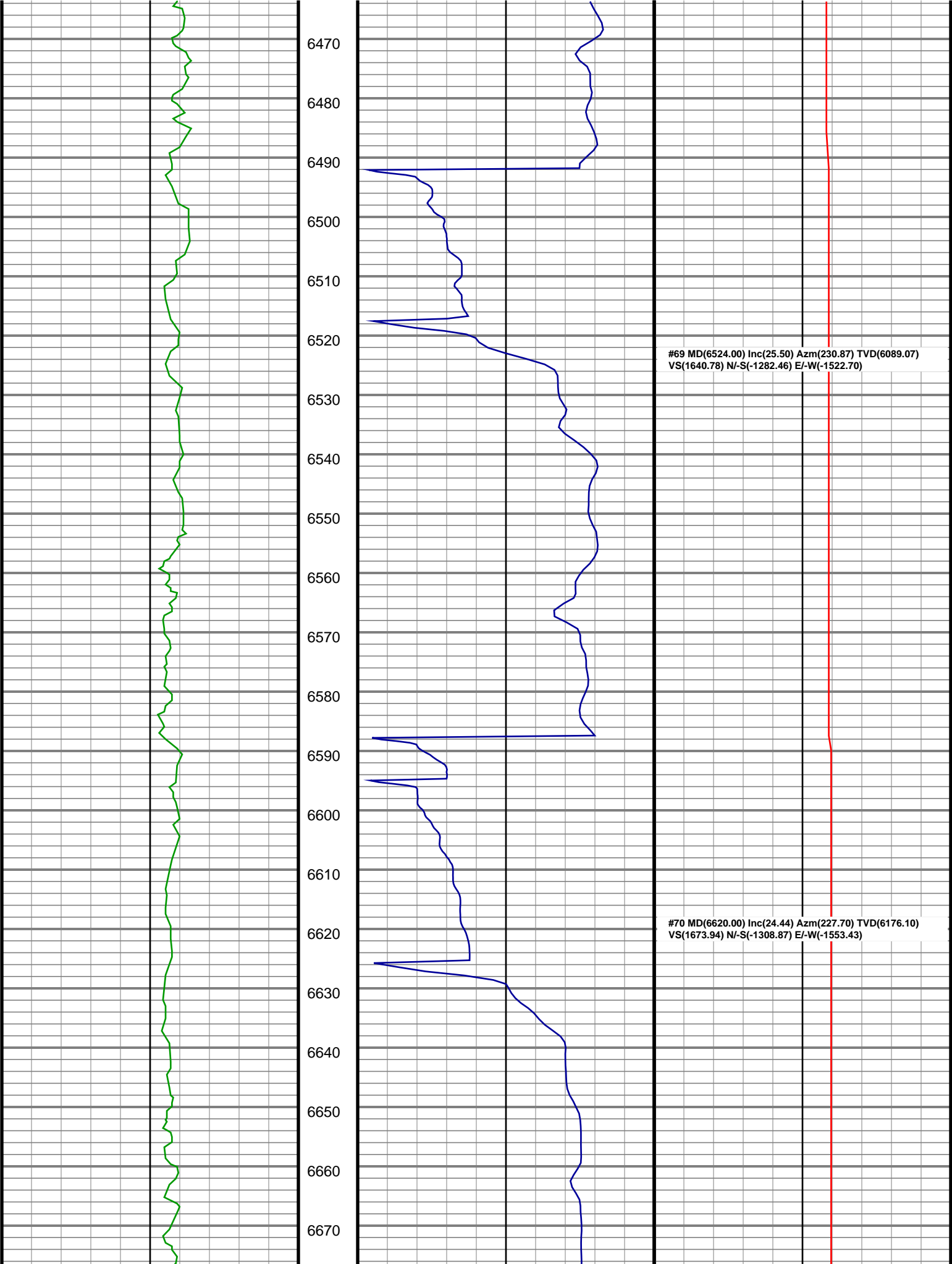




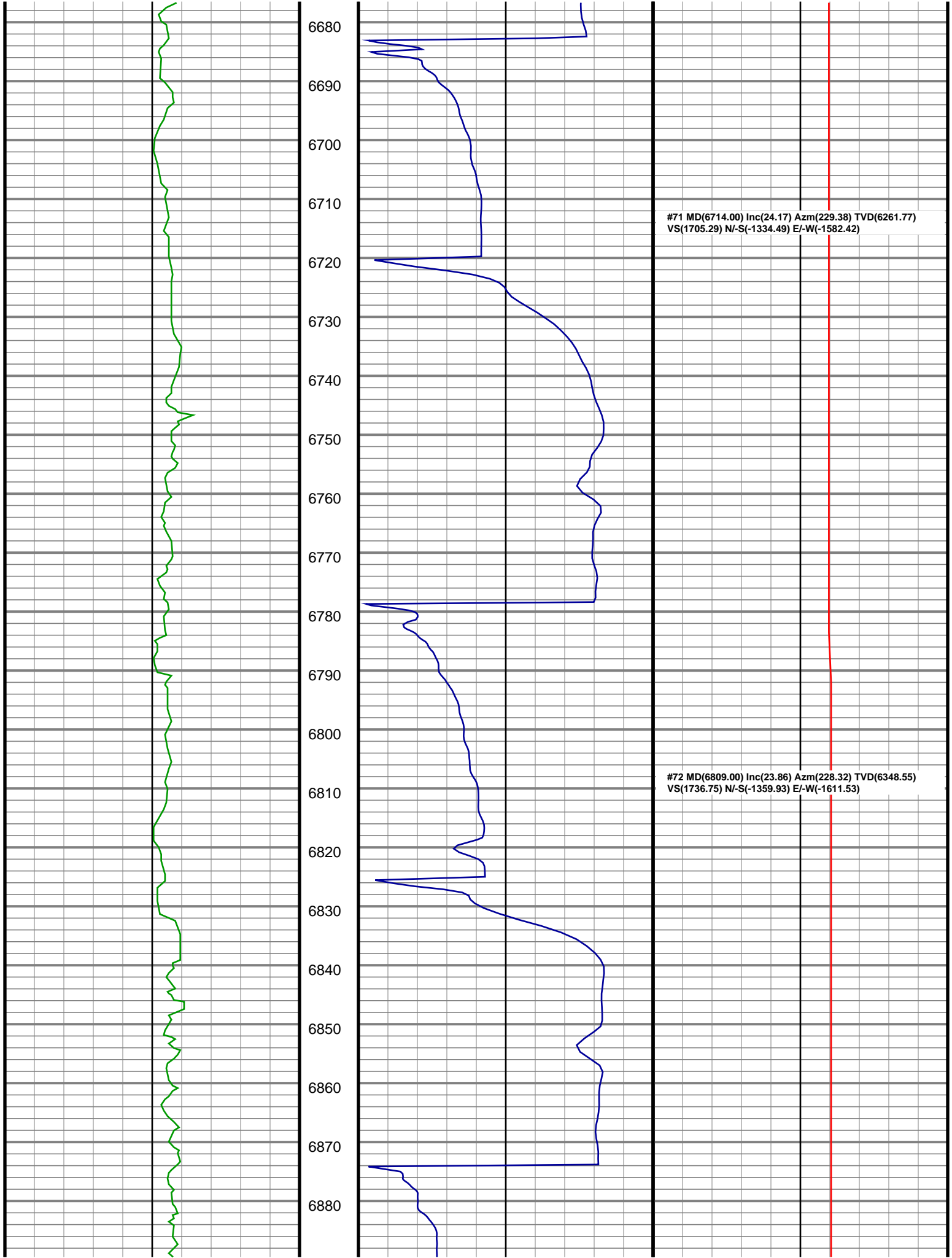


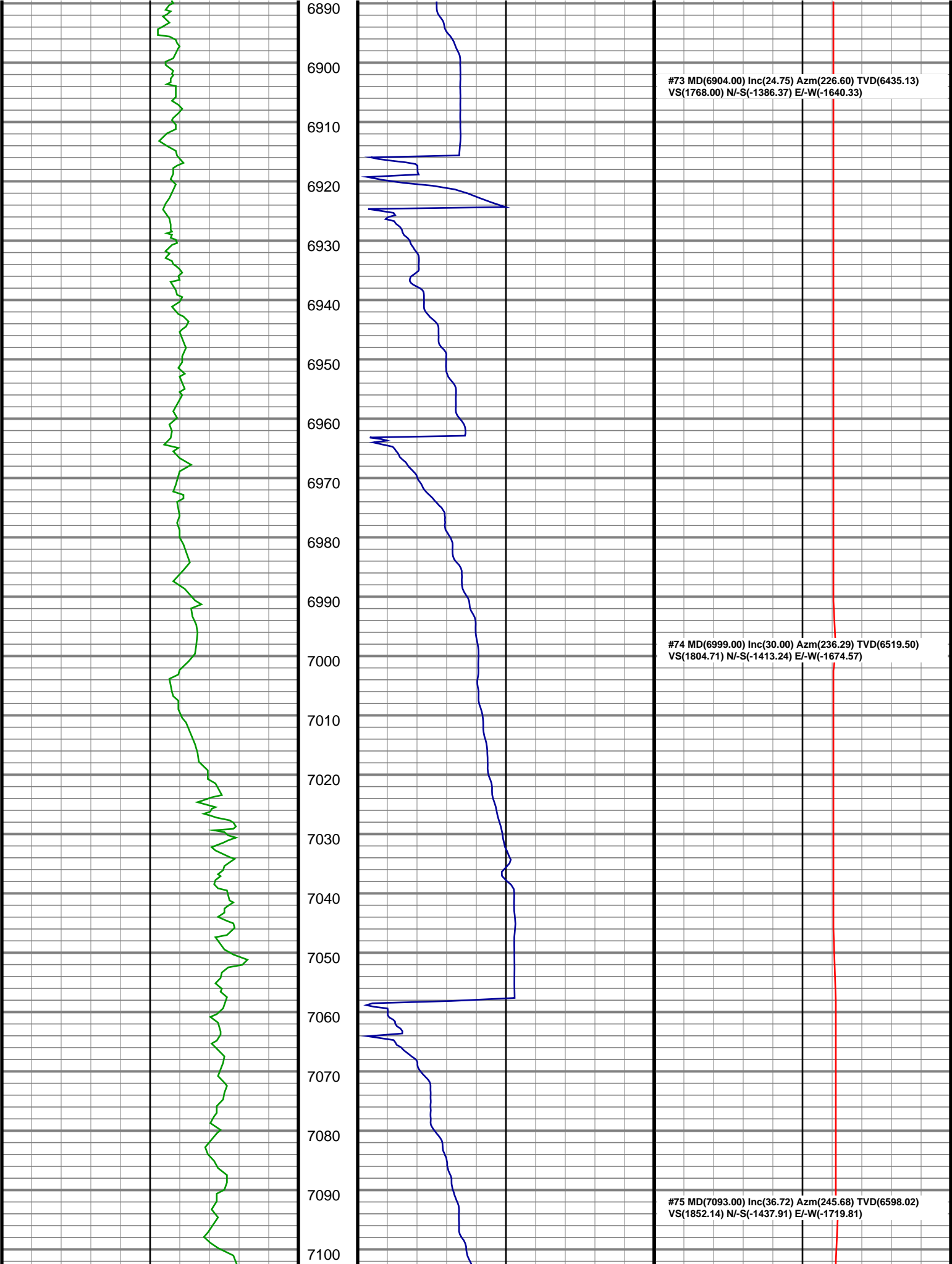


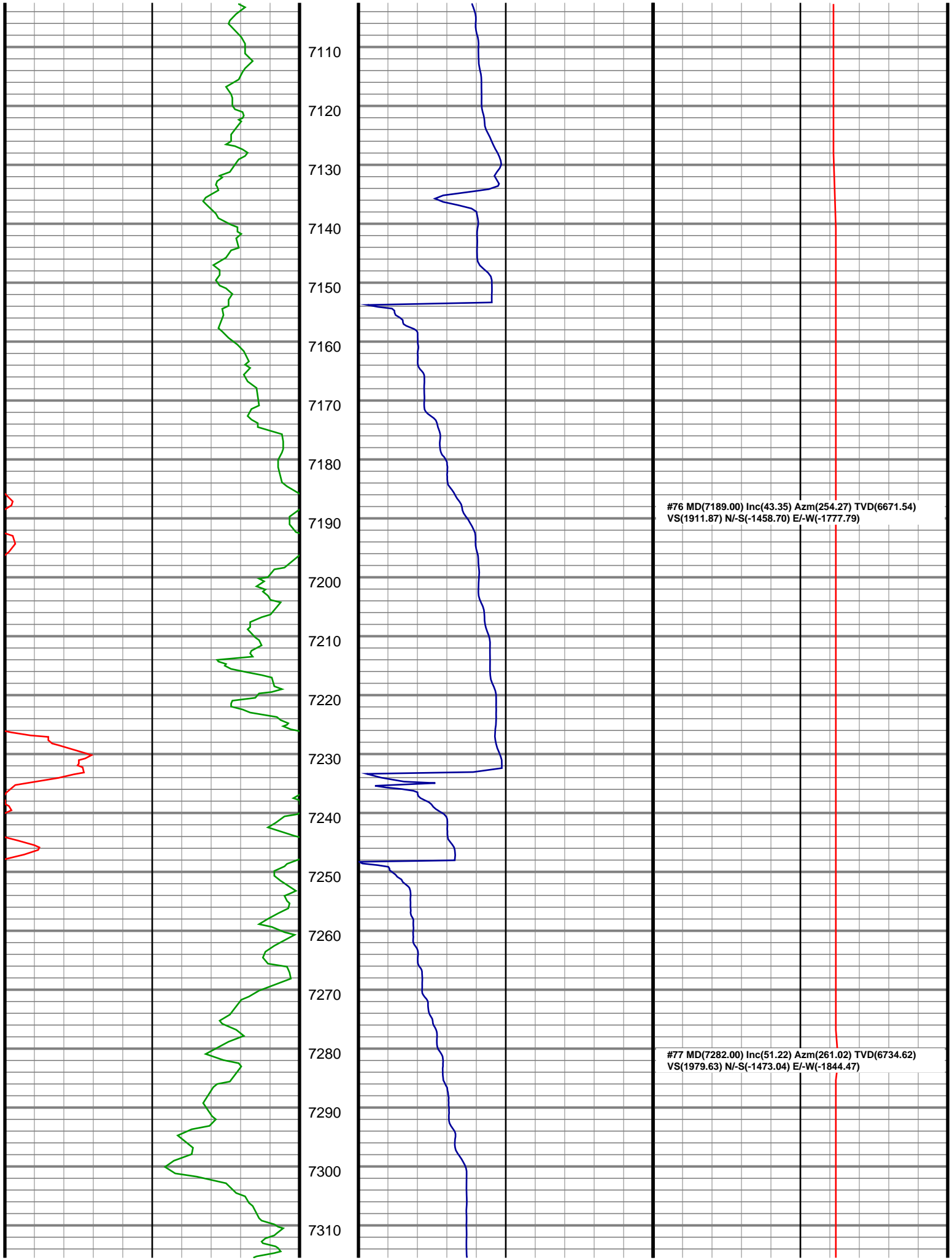


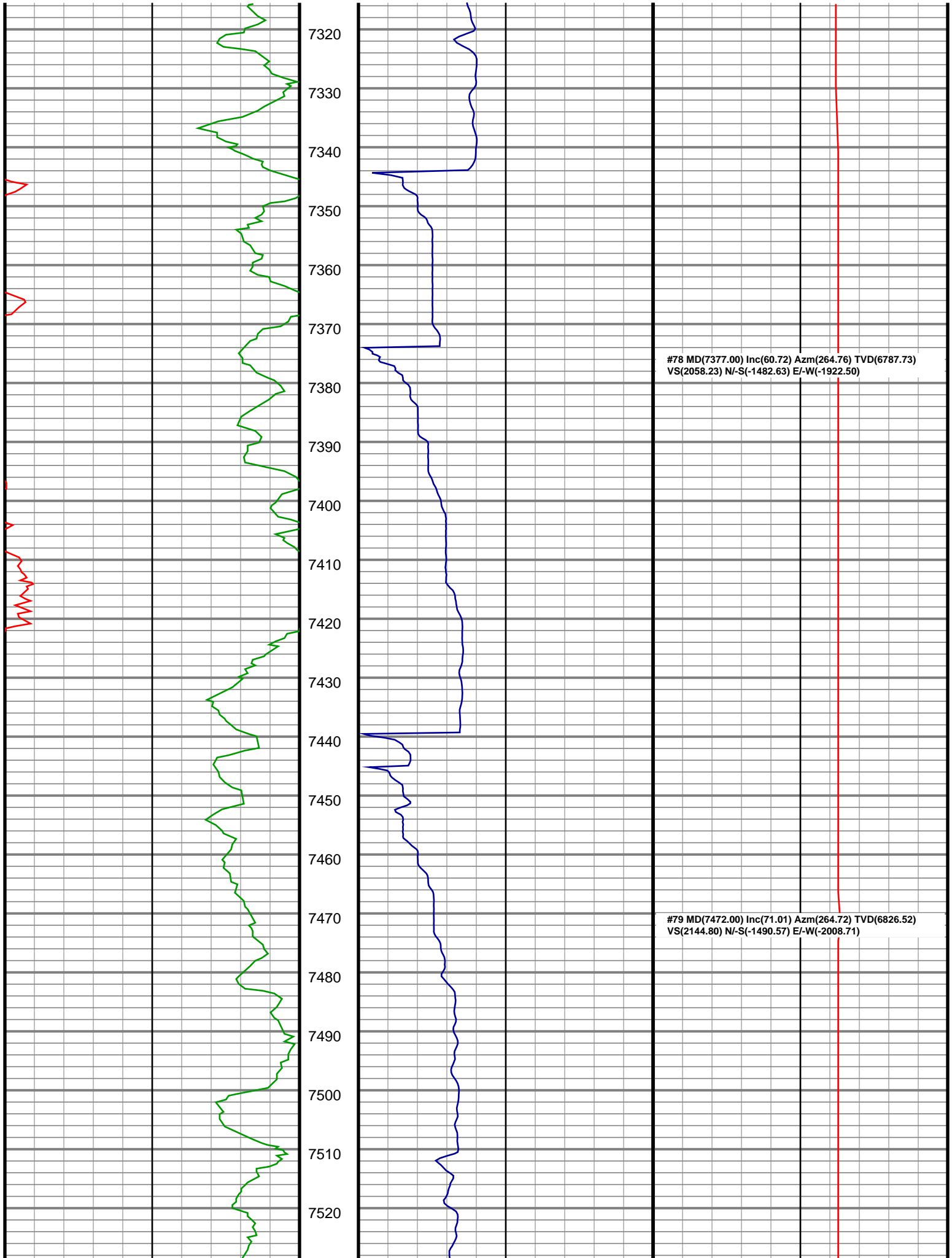


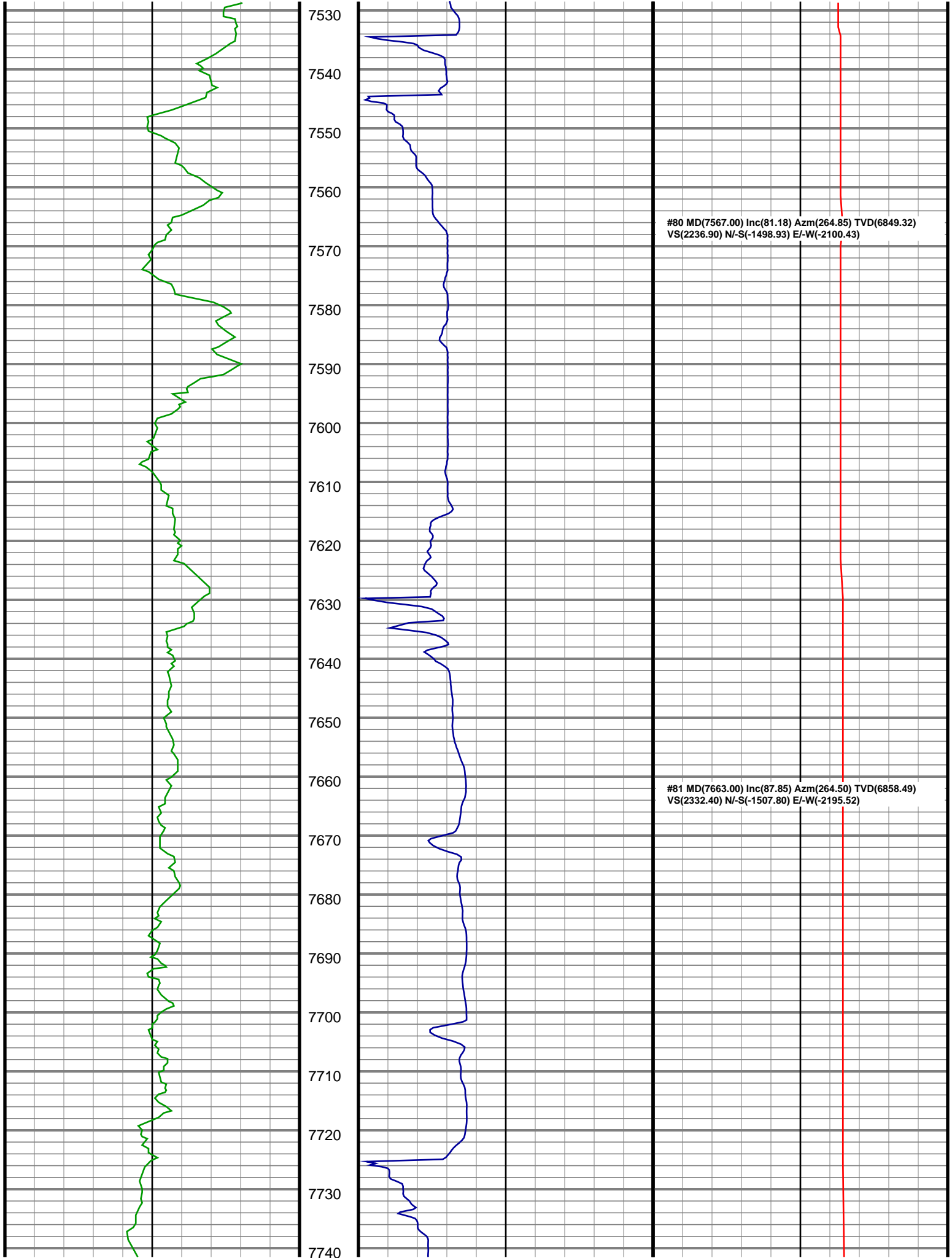


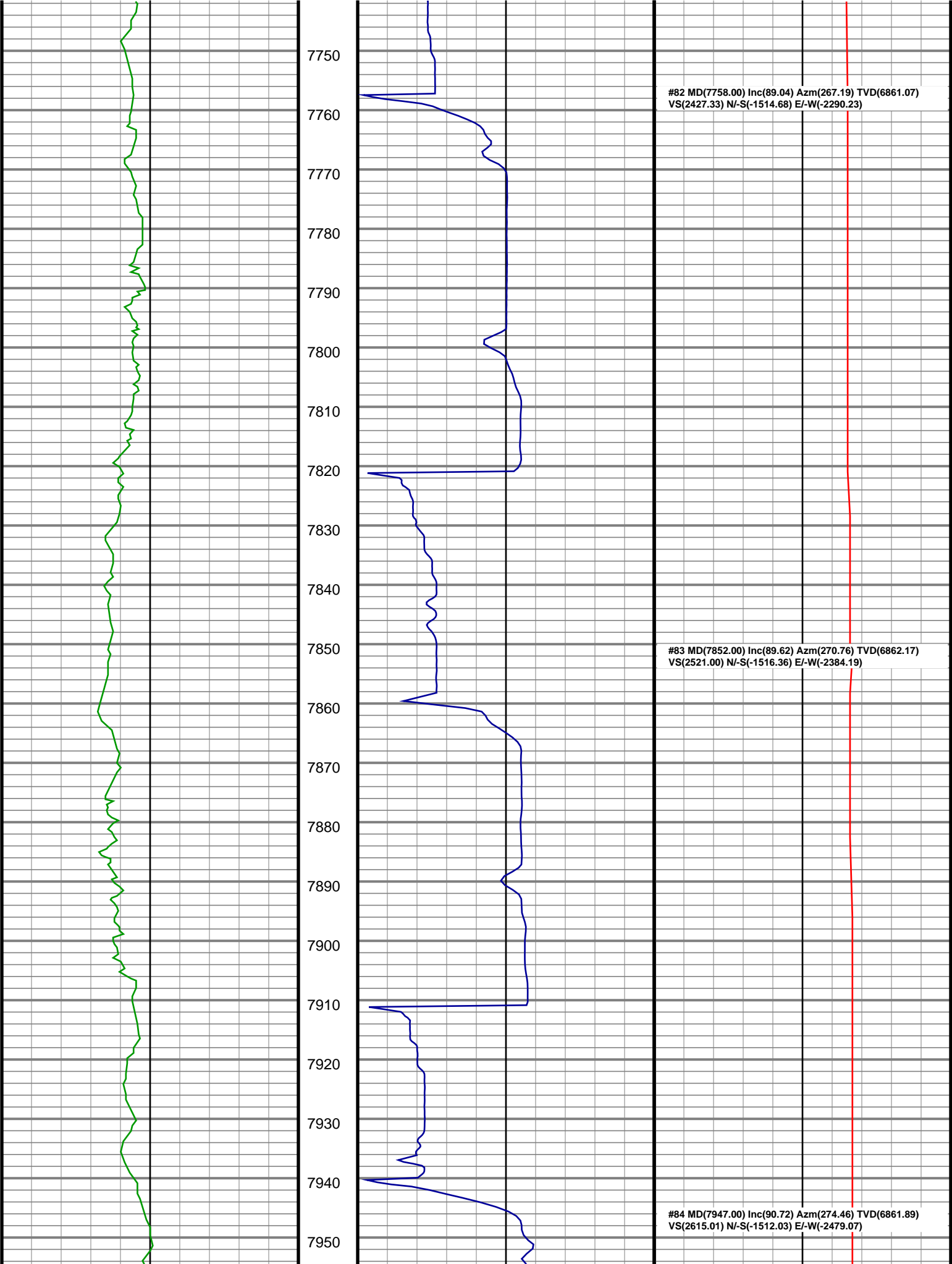


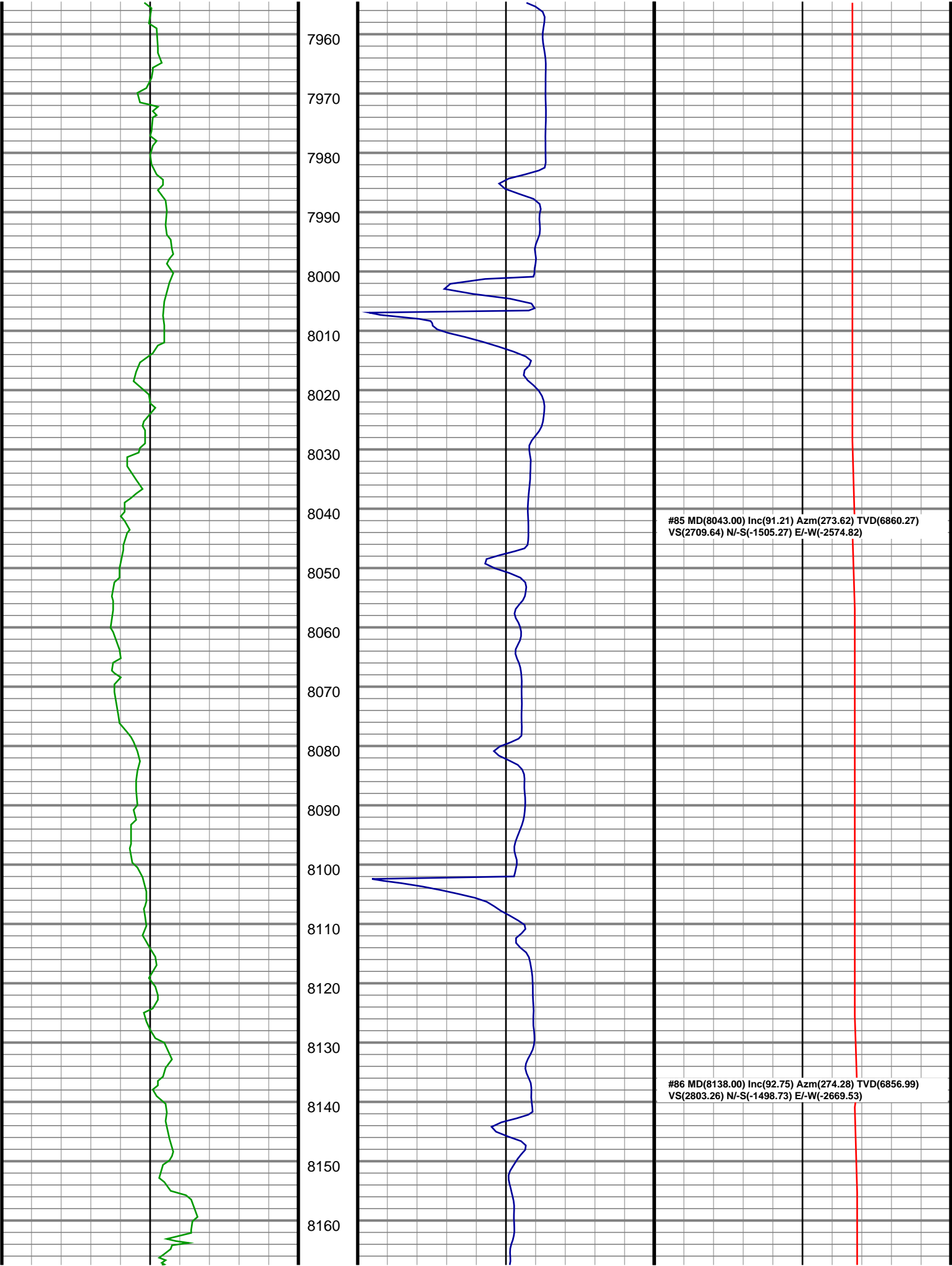


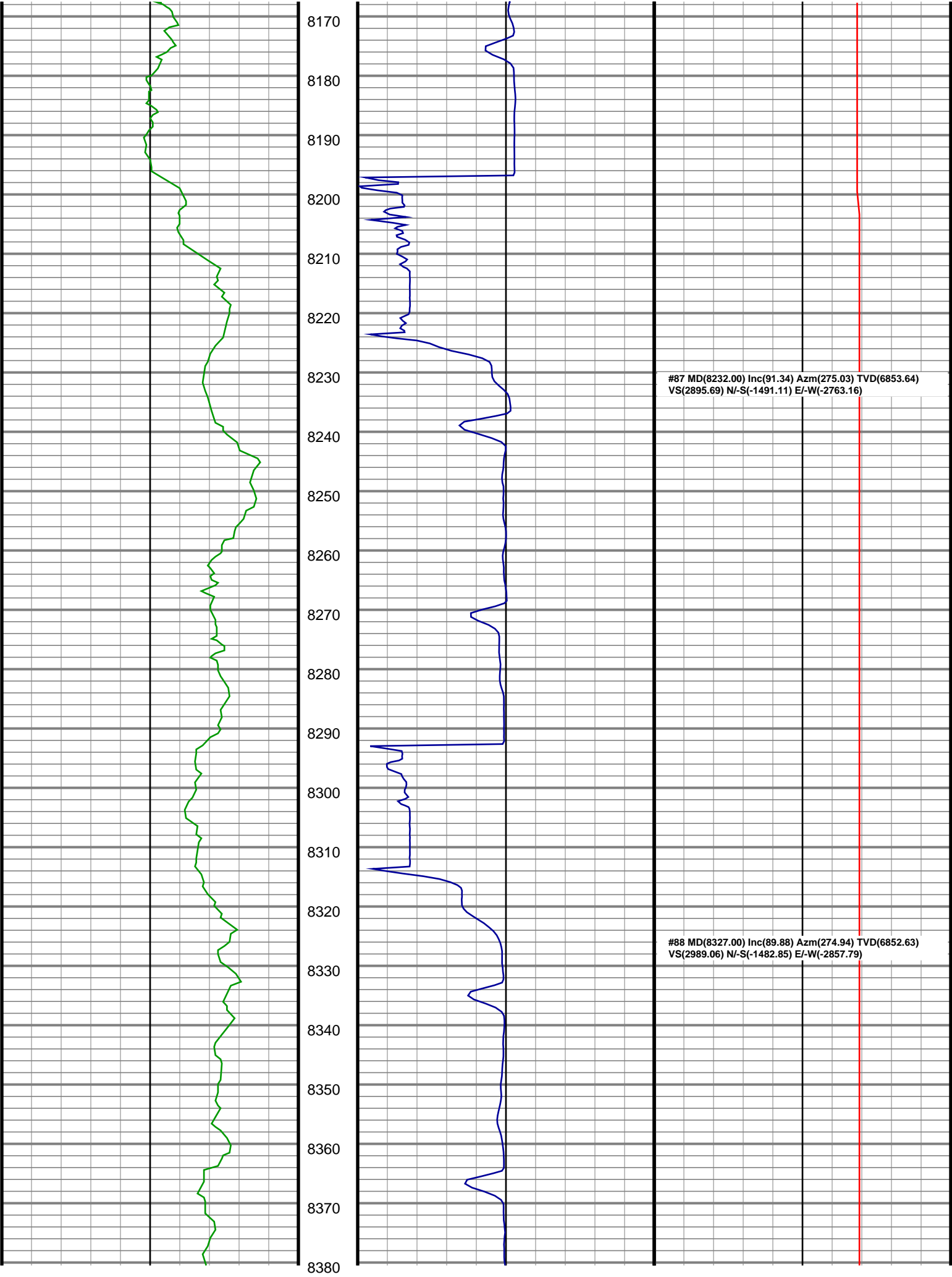




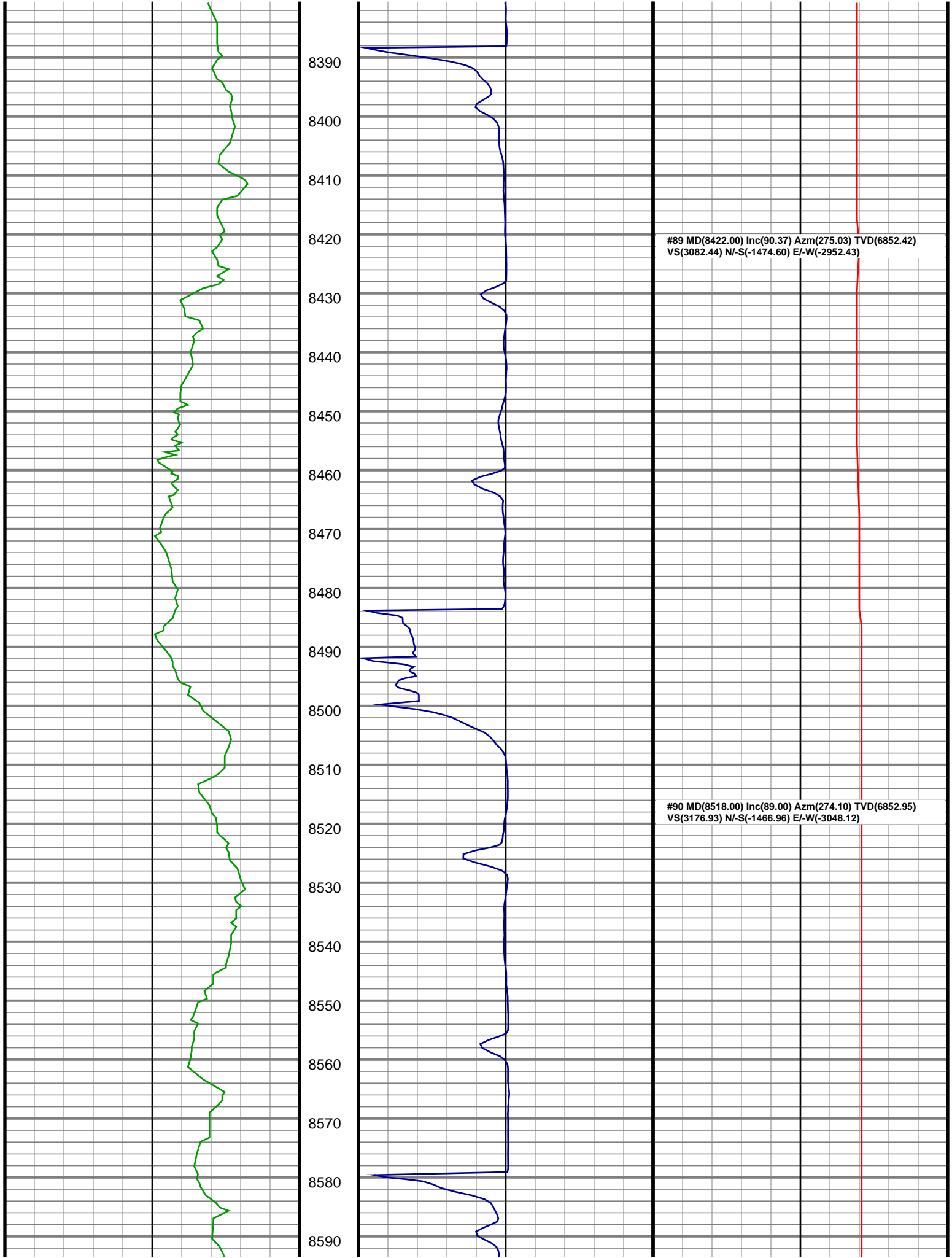


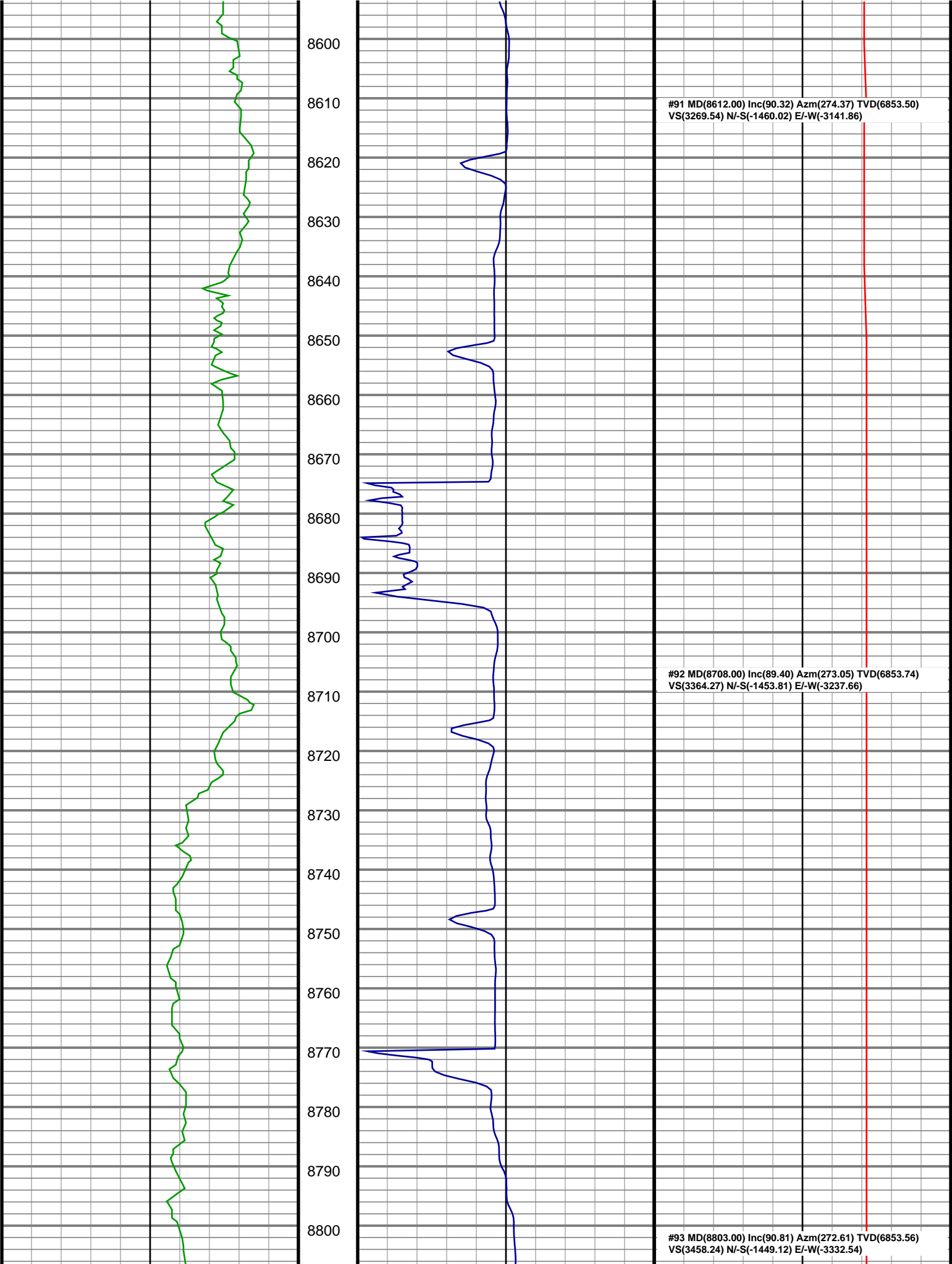


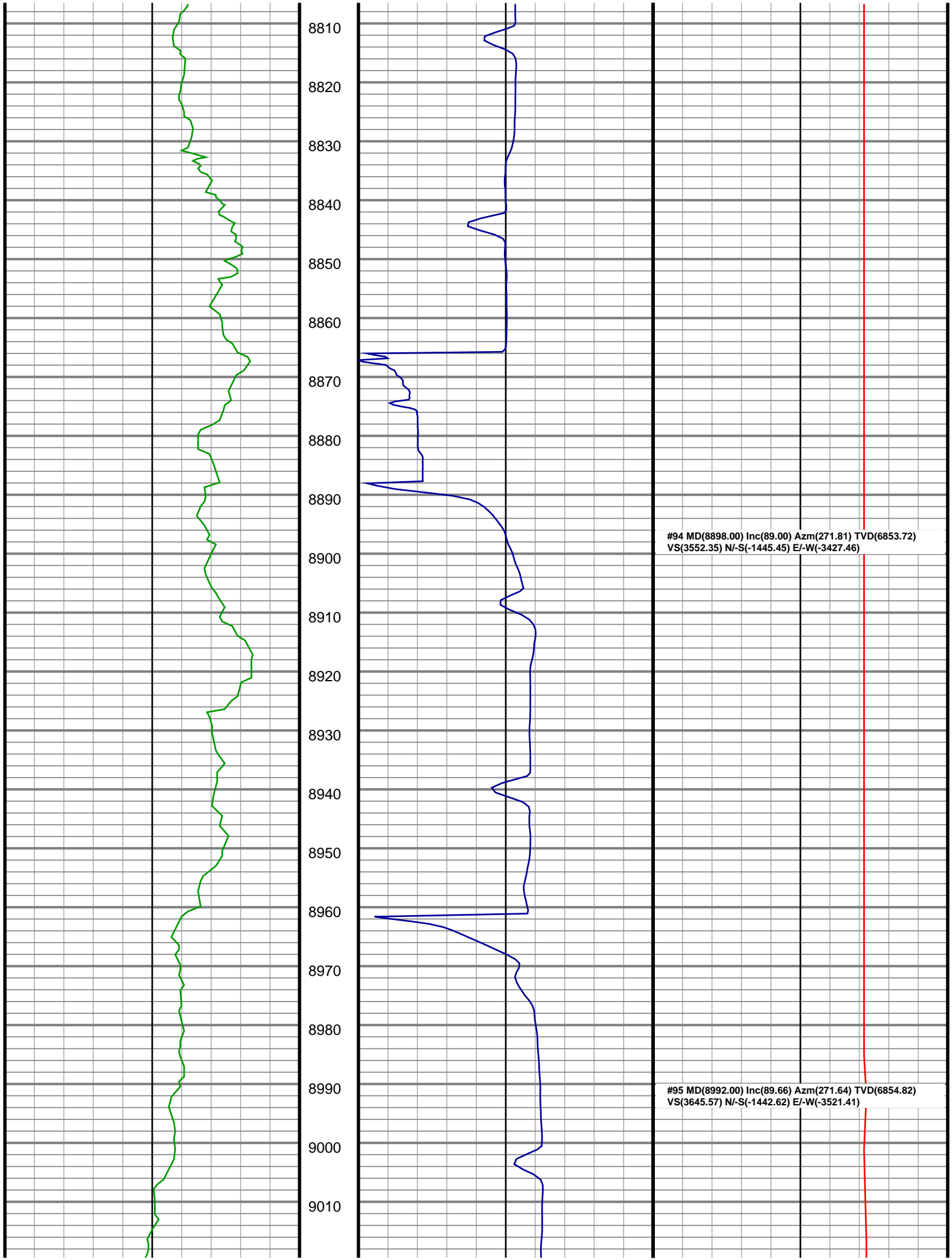


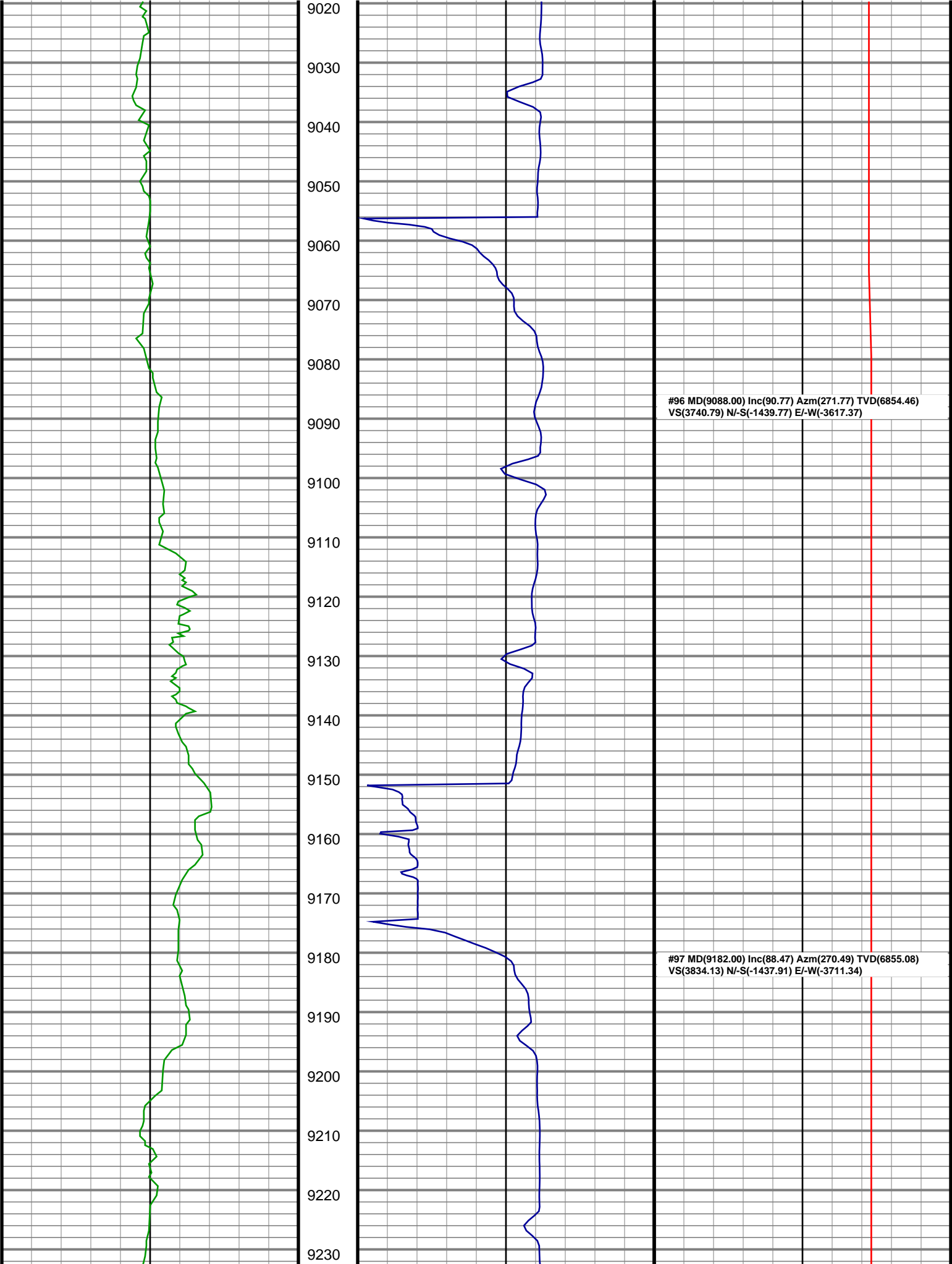


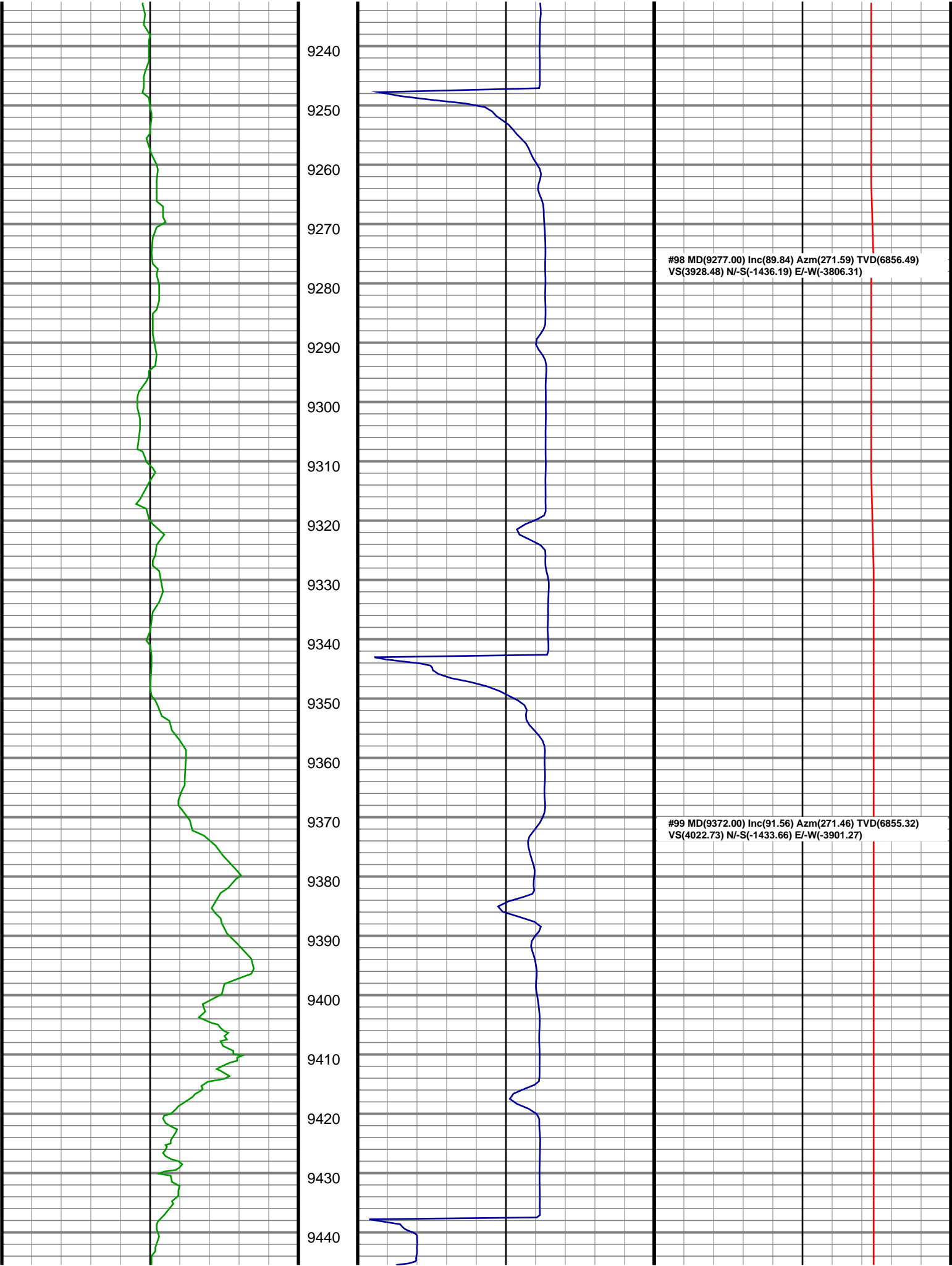


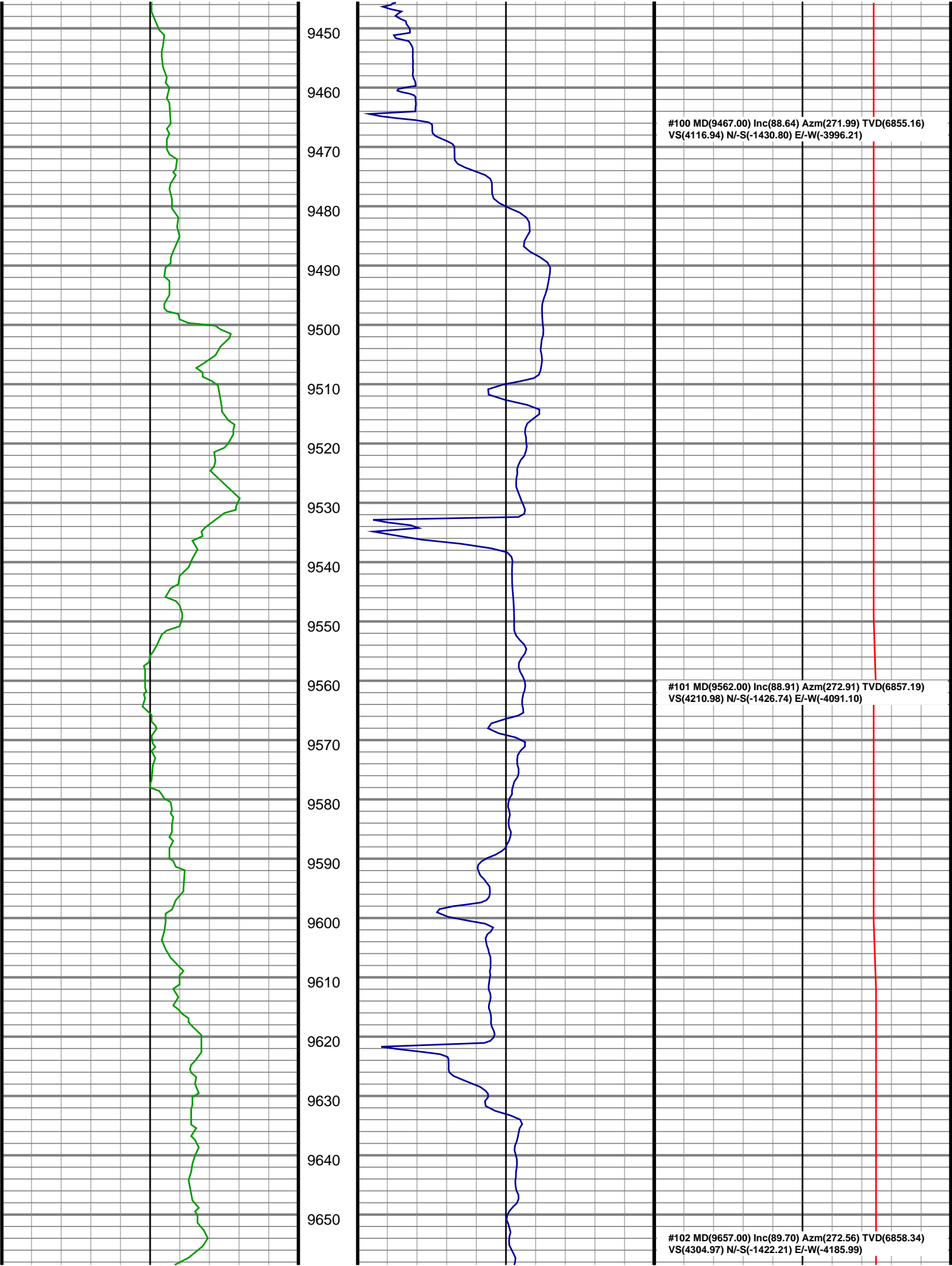


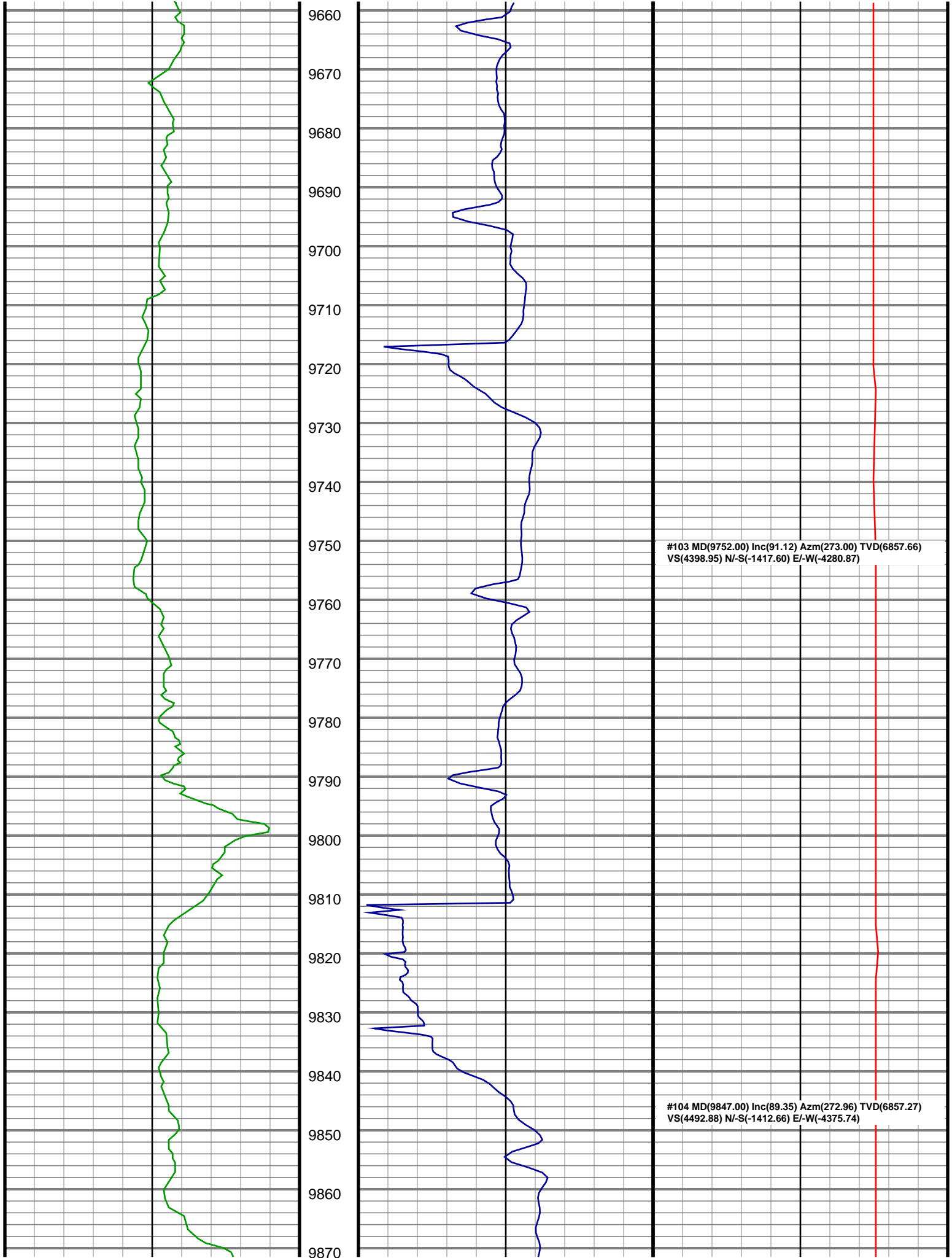








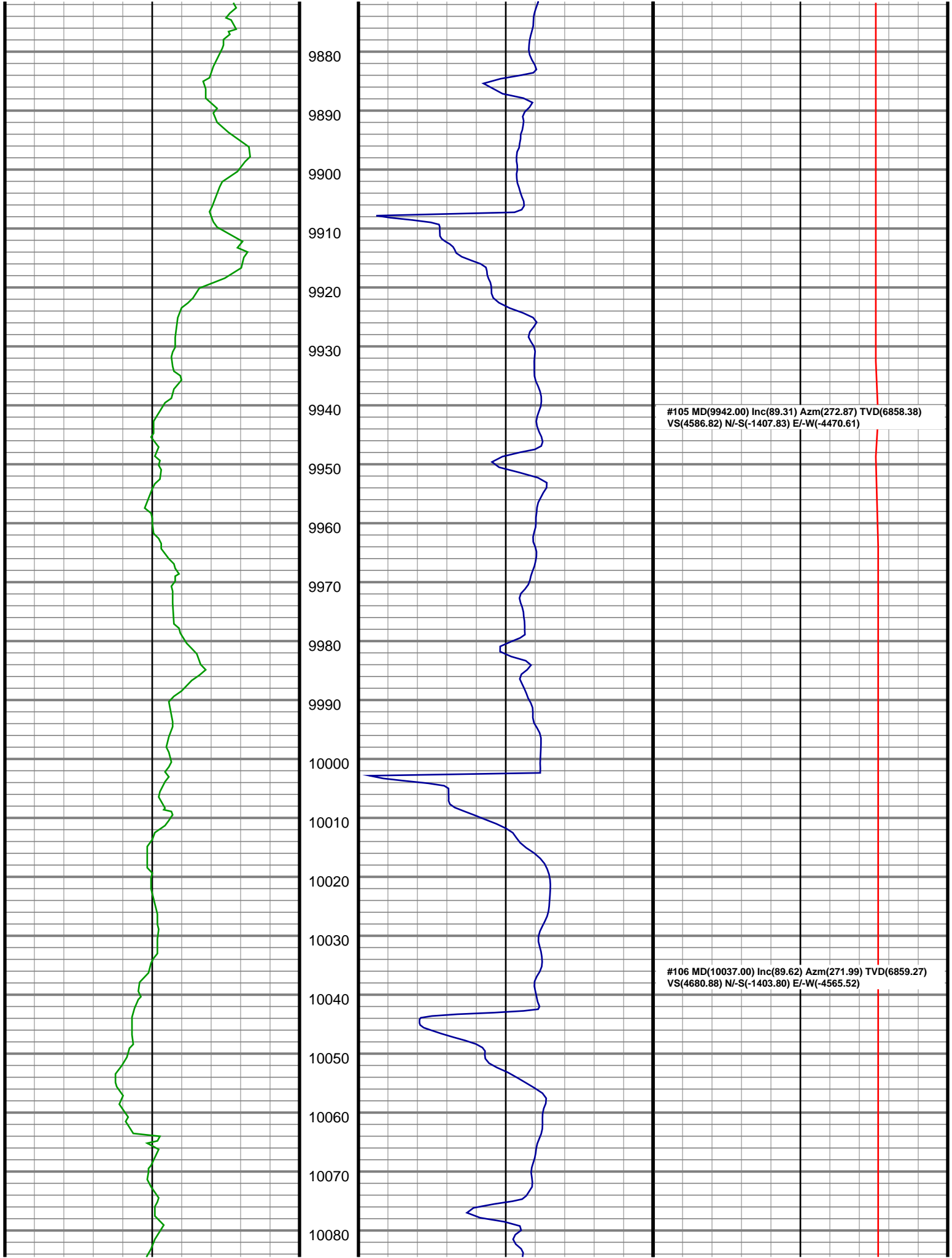




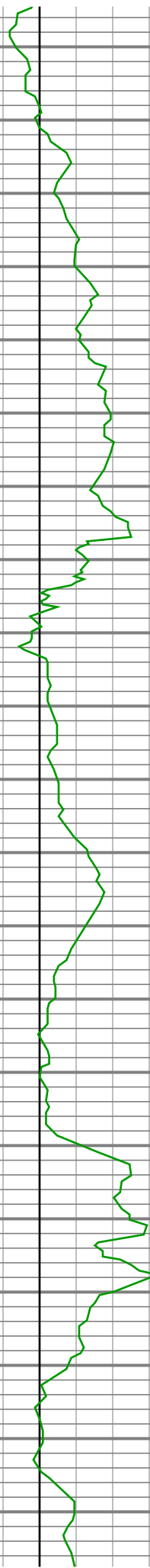
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#103 MD(9752.00) Inc(91.12) Azm(273.00) TVD(6857.66)  
VS(4398.95) N/-S(-1417.60) E/-W(-4280.87)

#104 MD(9847.00) Inc(89.35) Azm(272.96) TVD(6857.27)  
VS(4492.88) N/-S(-1412.66) E/-W(-4375.74)





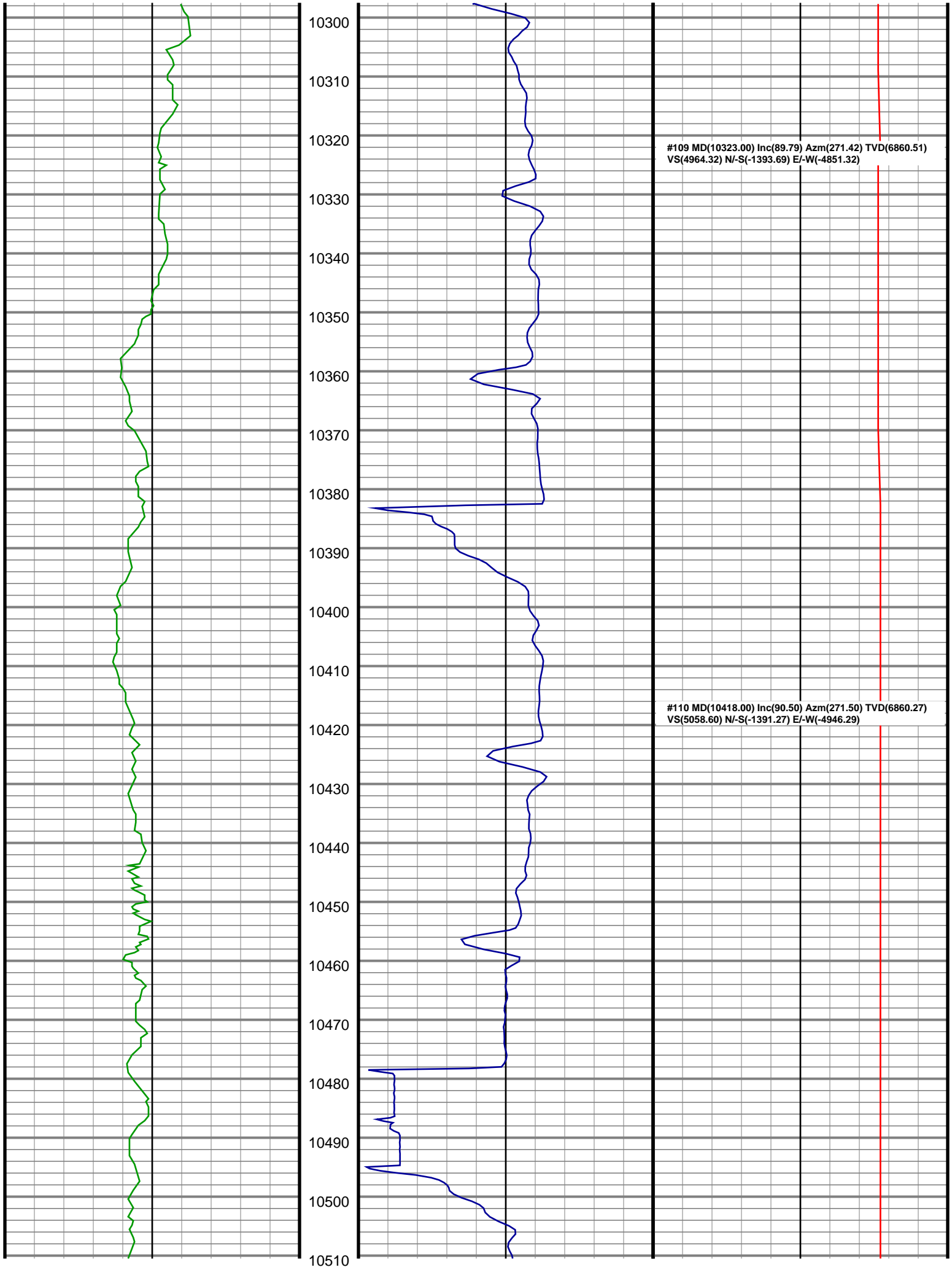


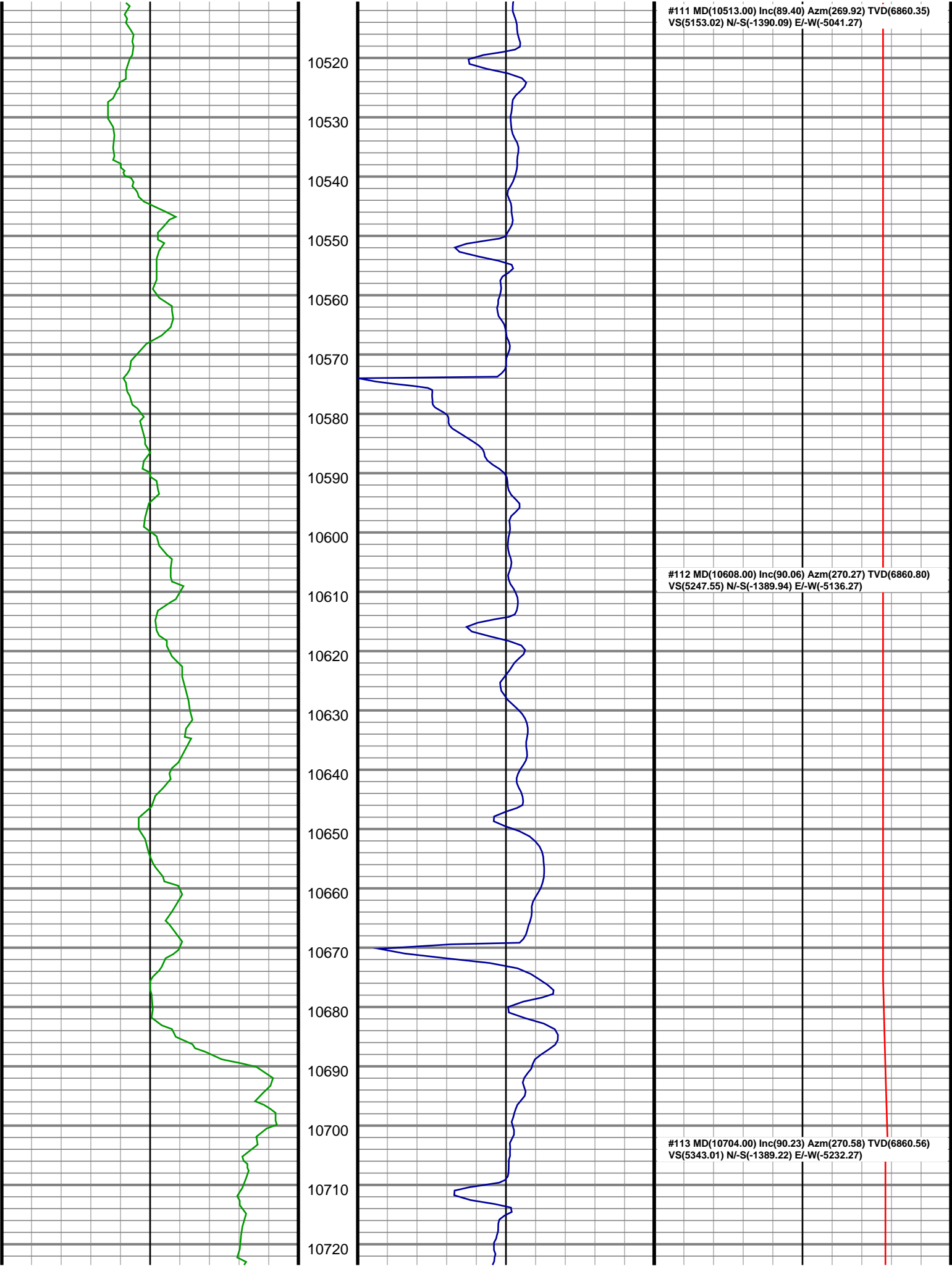
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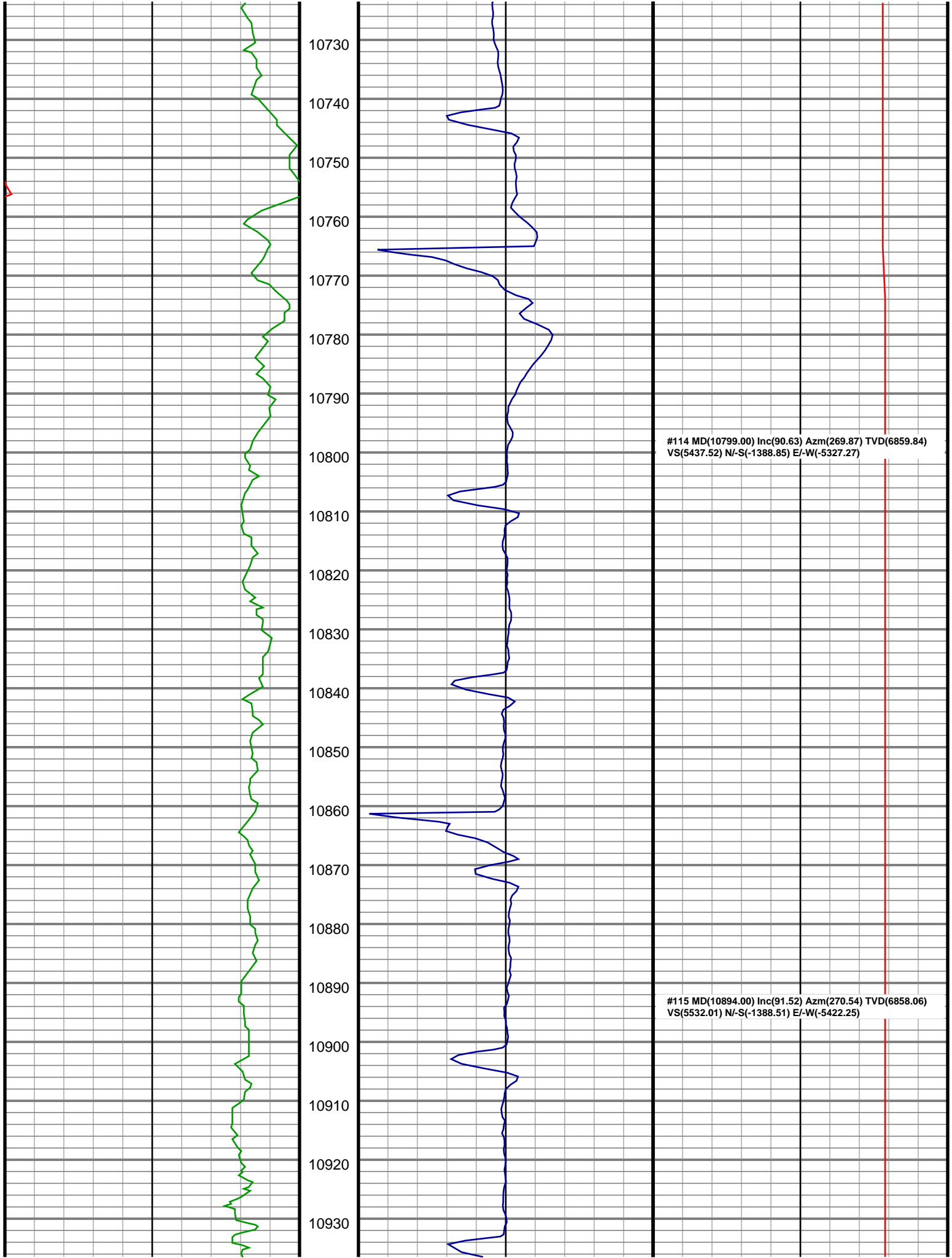


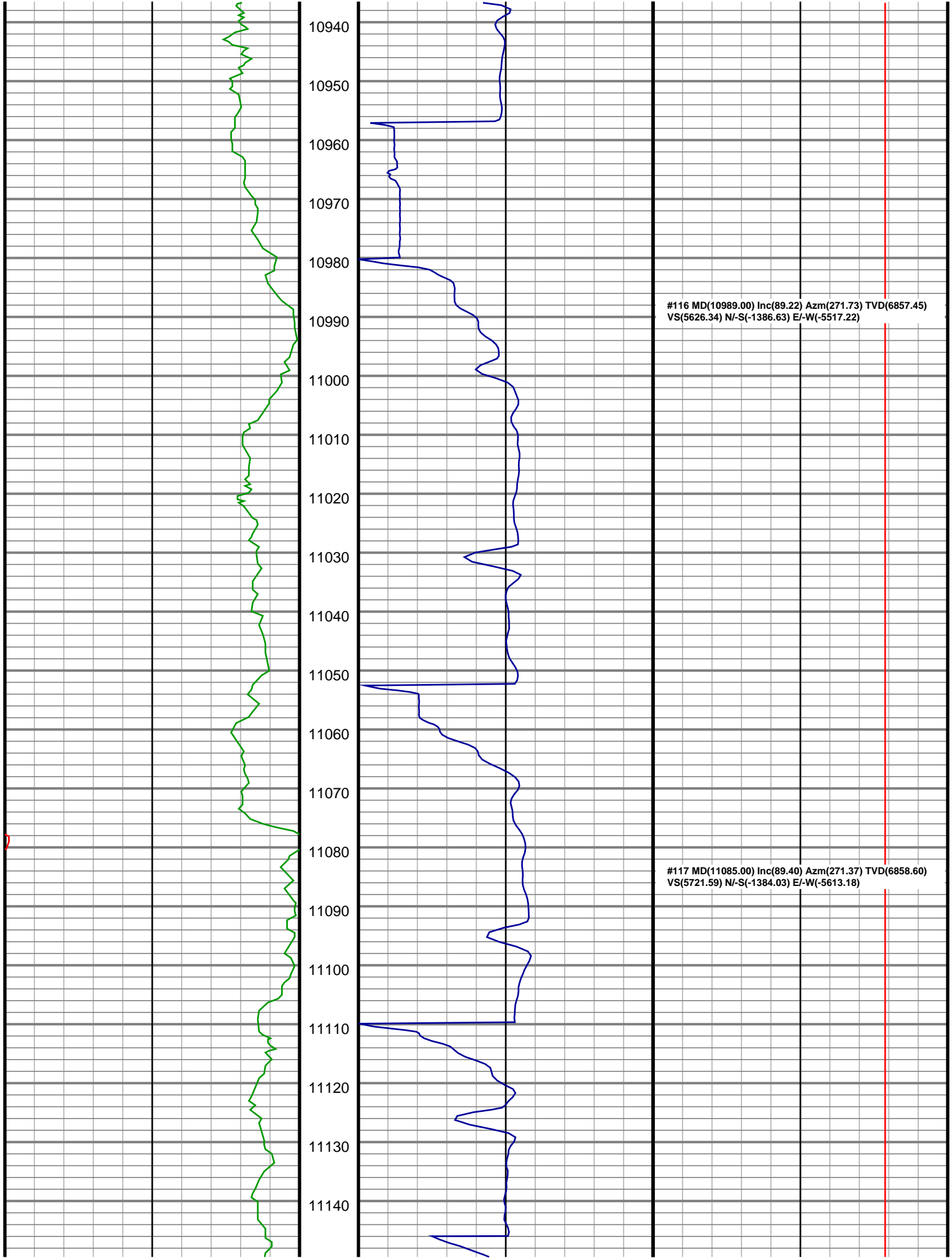
#107 MD(10133.00) Inc(90.15) Azm(273.09) TVD(6859.46)  
VS(4775.91) N/-S(-1399.55) E/-W(-4661.42)

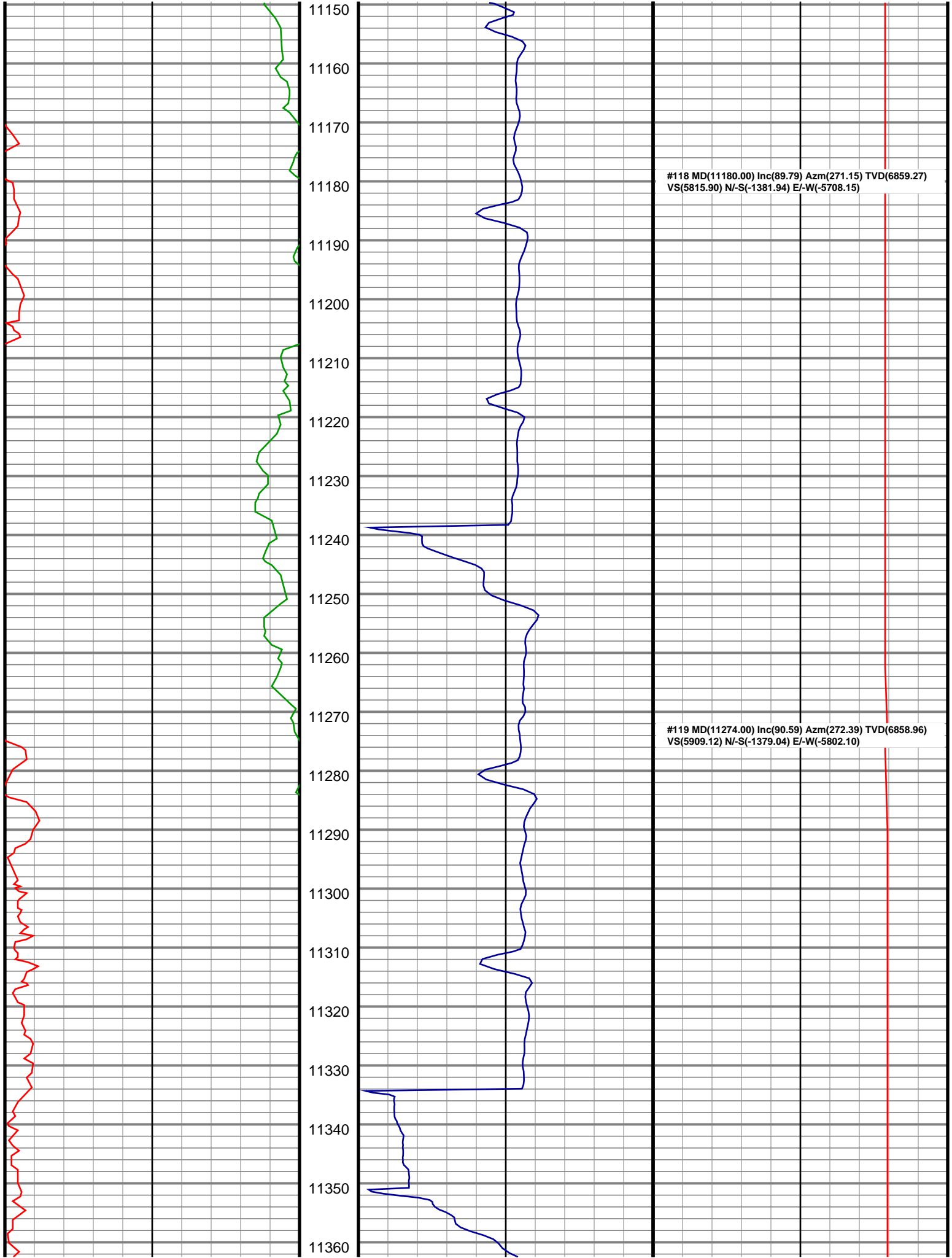
#108 MD(10228.00) Inc(89.40) Azm(271.28) TVD(6859.84)  
VS(4870.03) N/-S(-1395.93) E/-W(-4756.35)

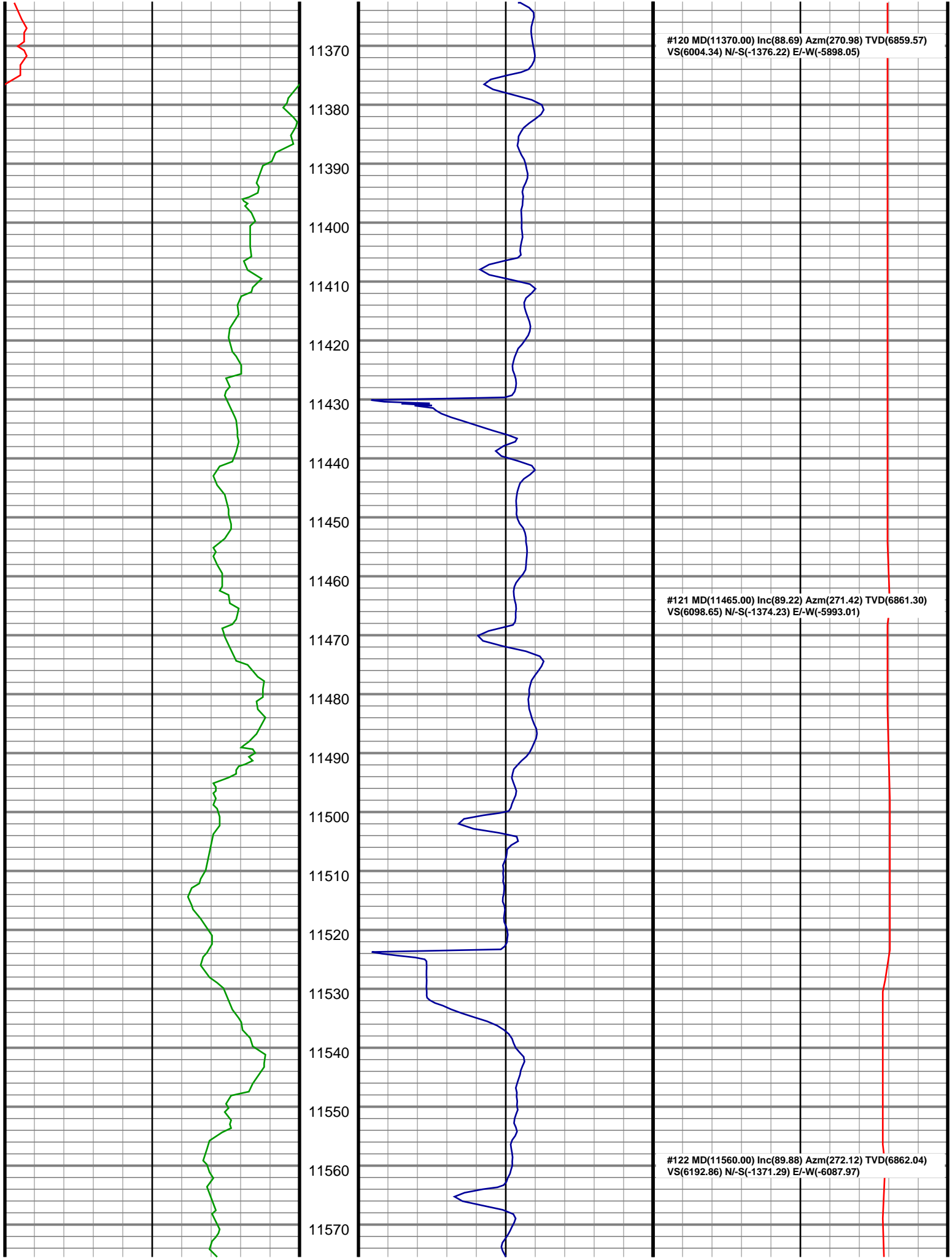


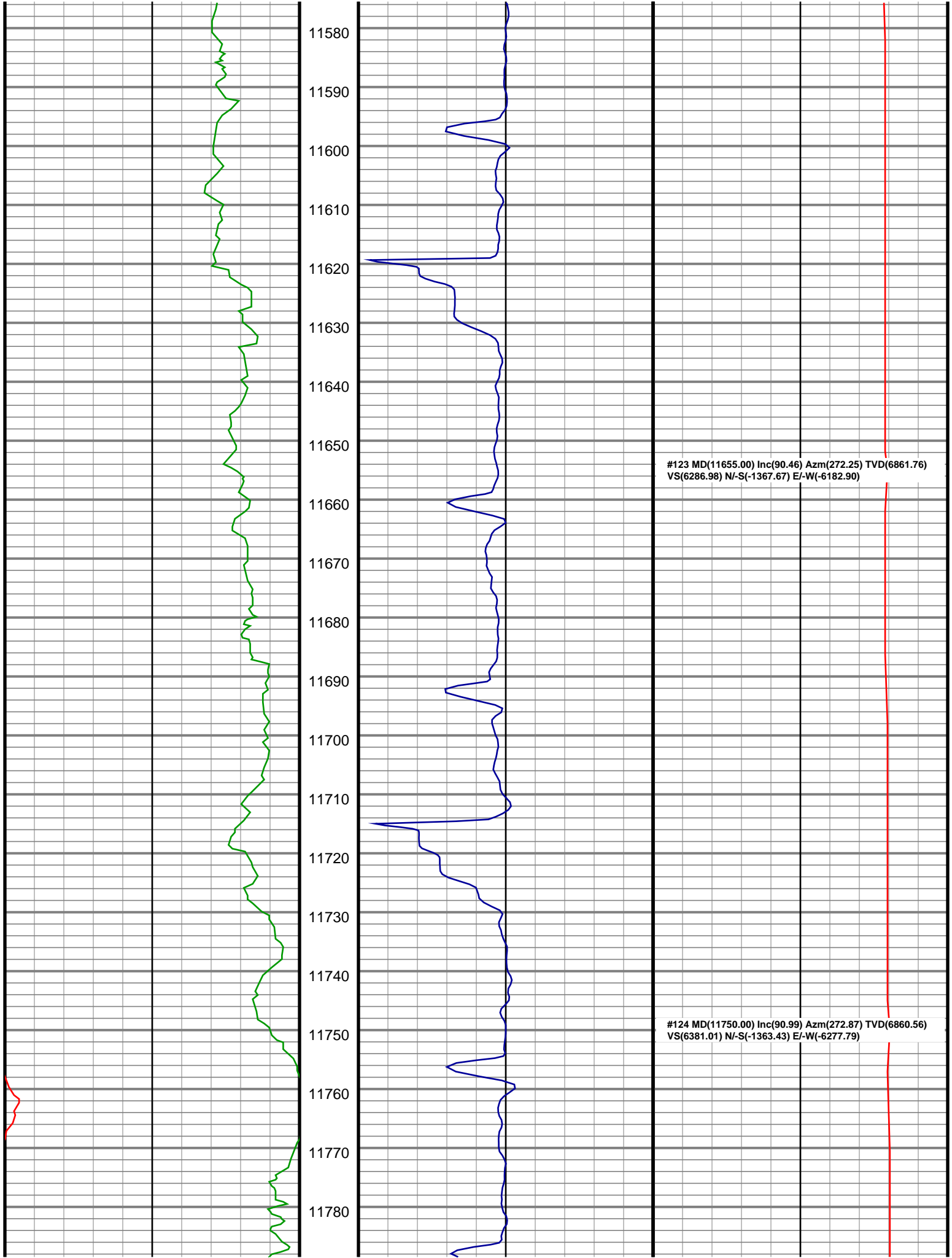




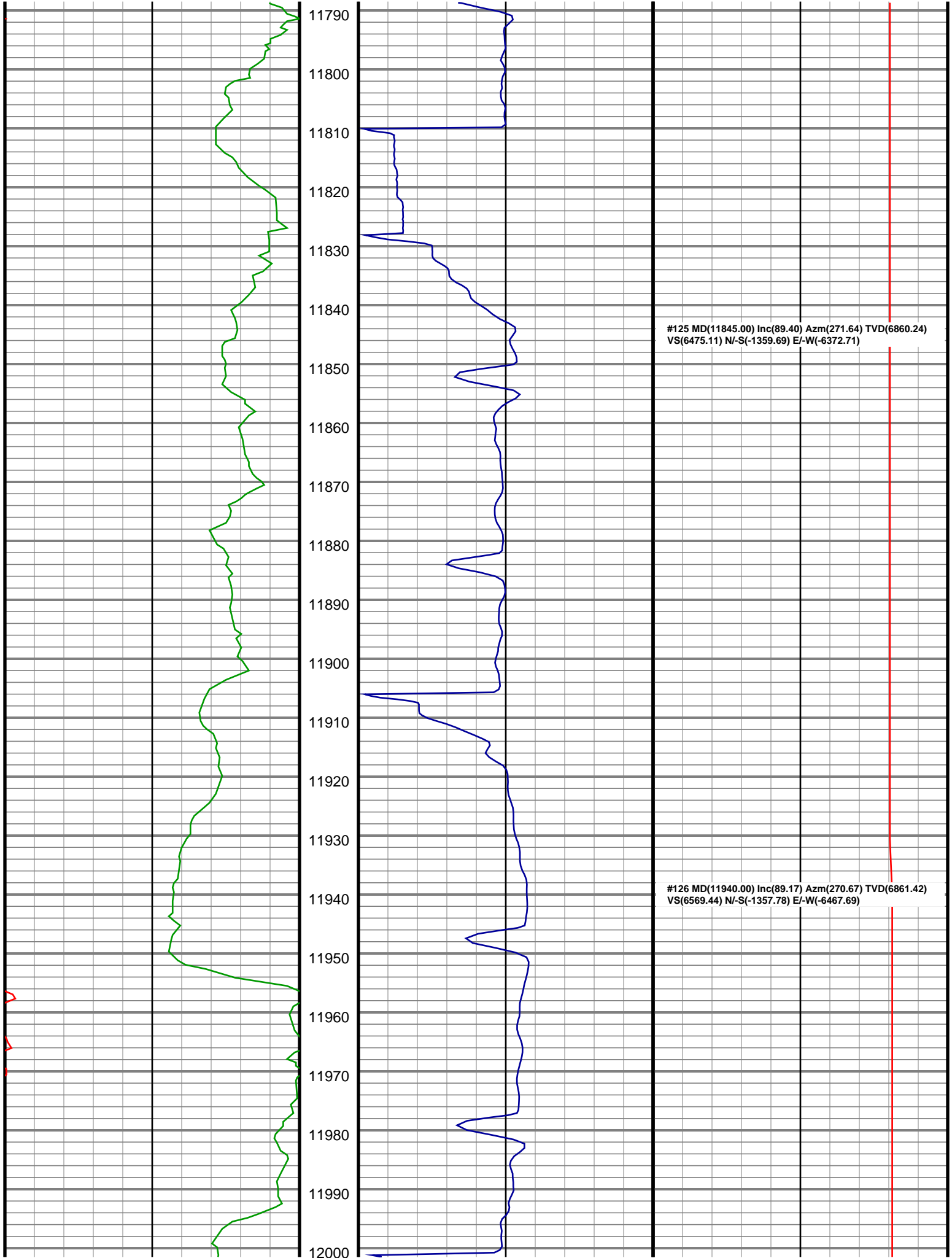






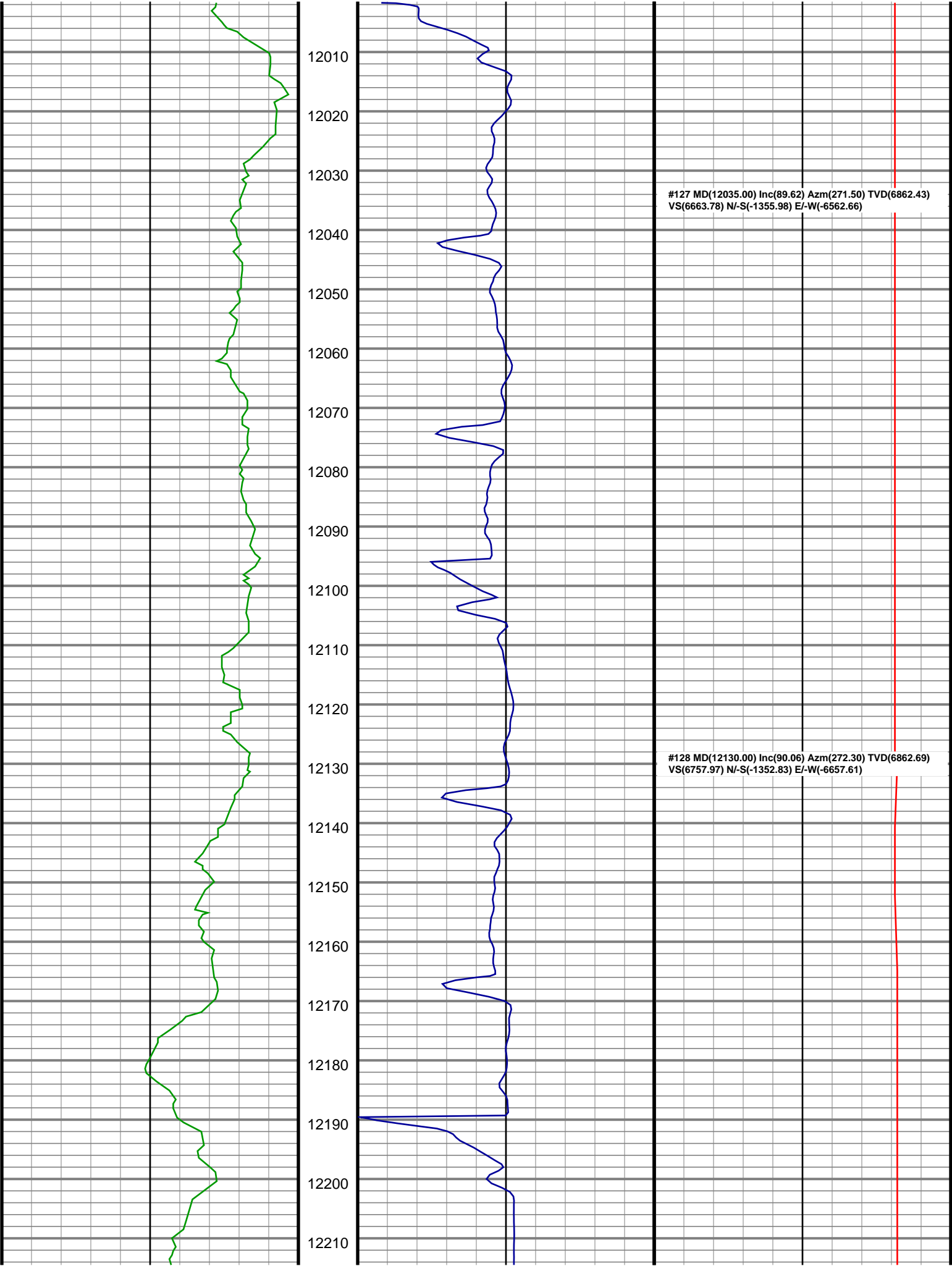


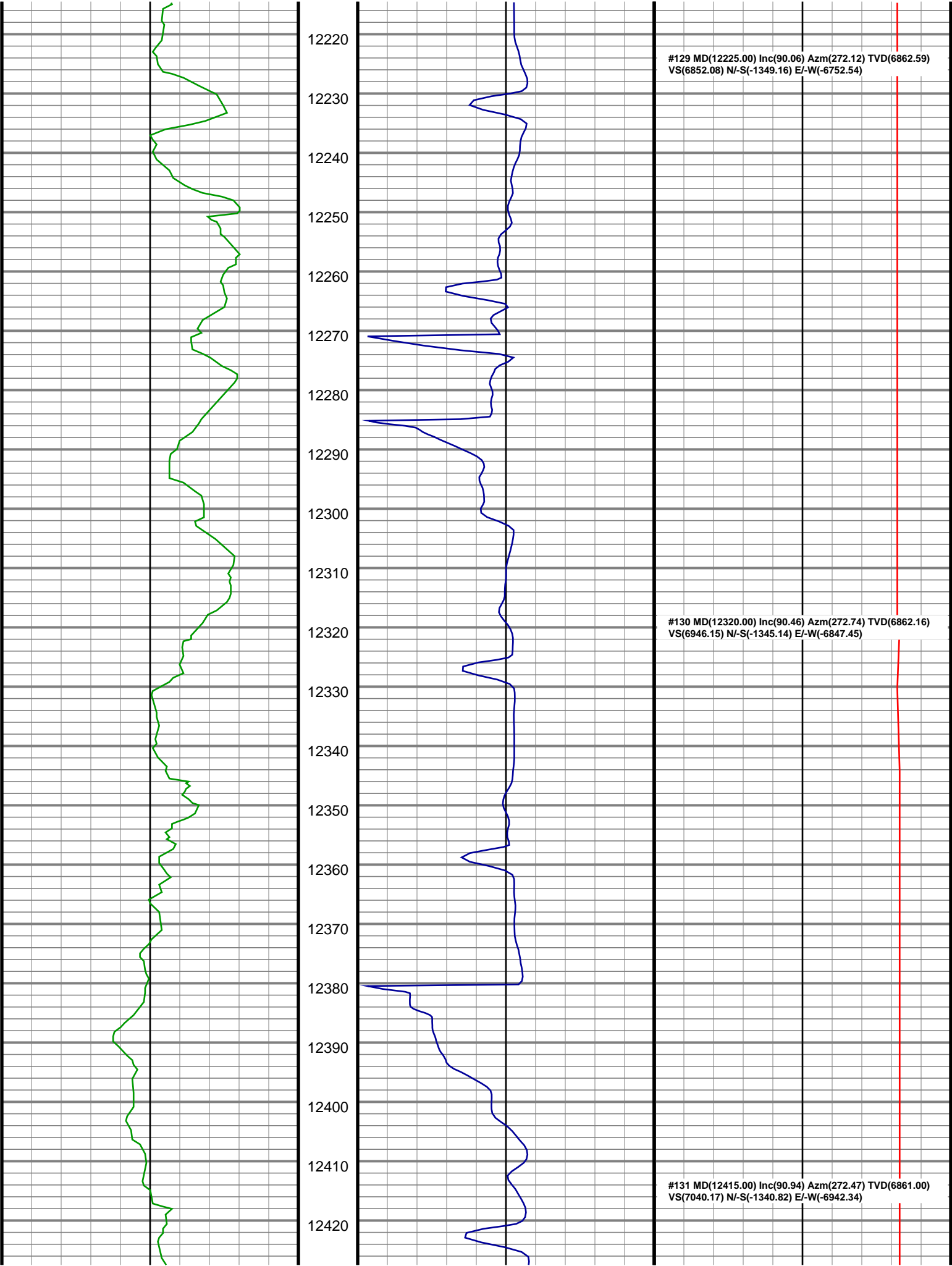


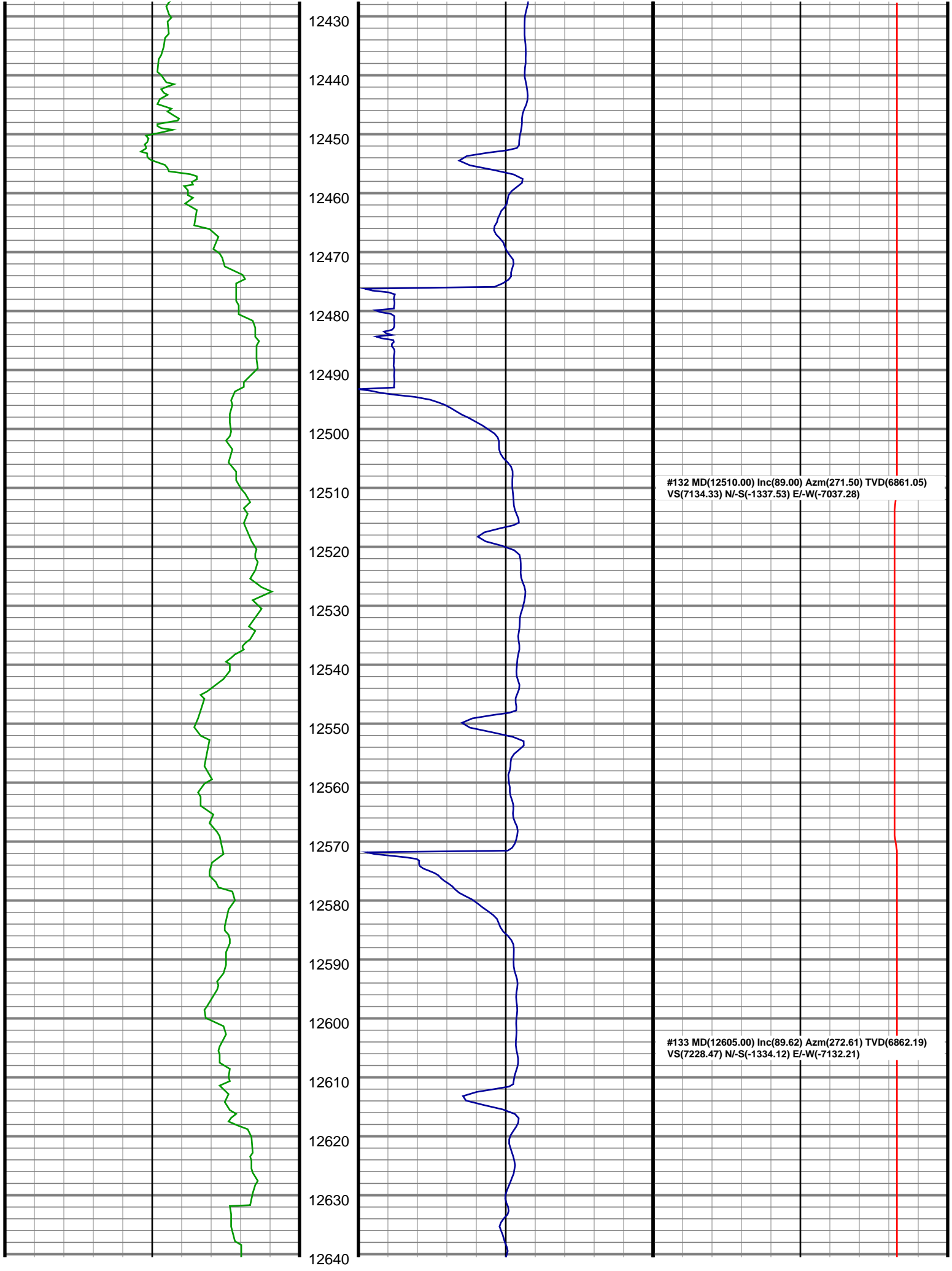


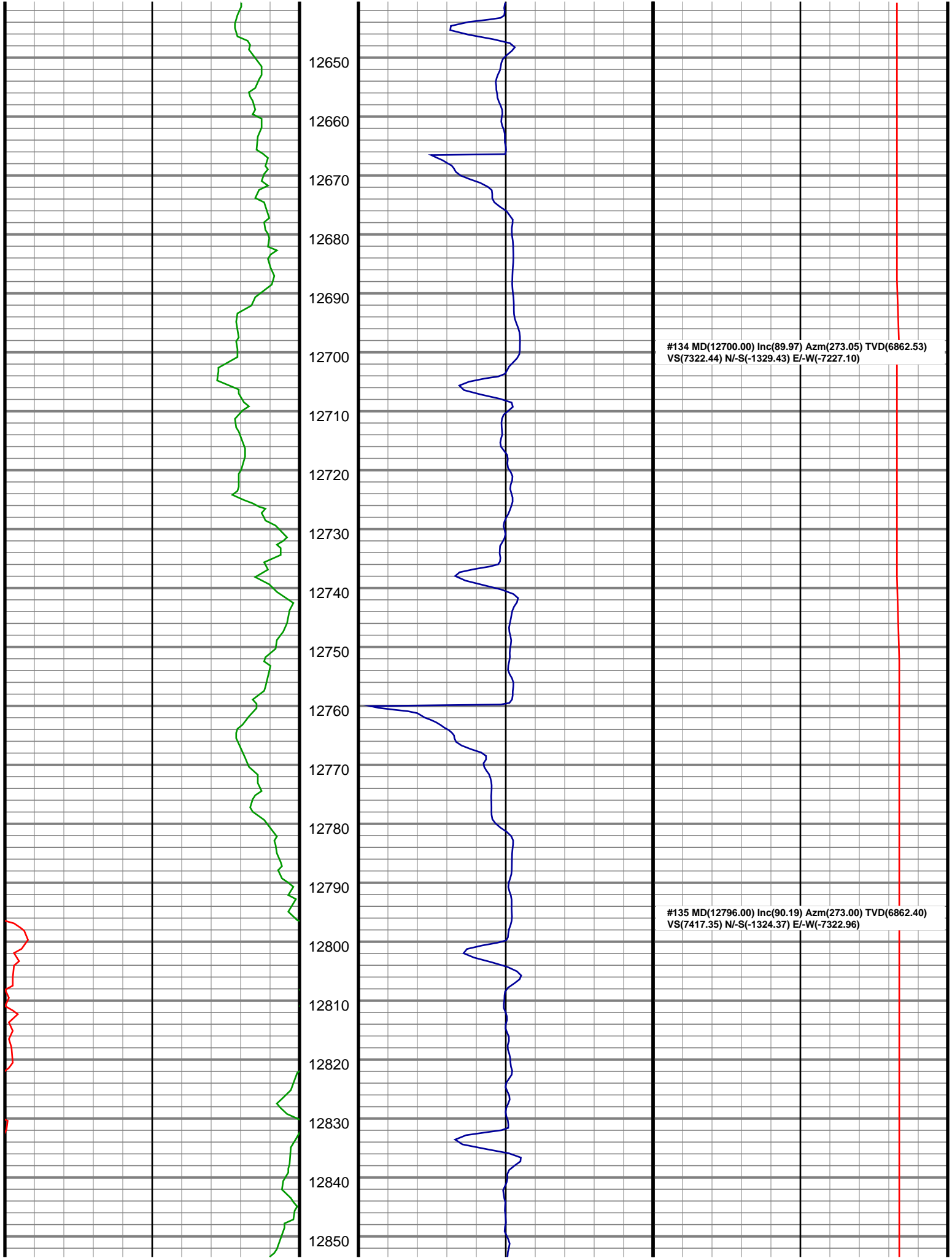
#125 MD(11845.00) Inc(89.40) Azm(271.64) TVD(6860.24)  
VS(6475.11) N/-S(-1359.69) E/-W(-6372.71)

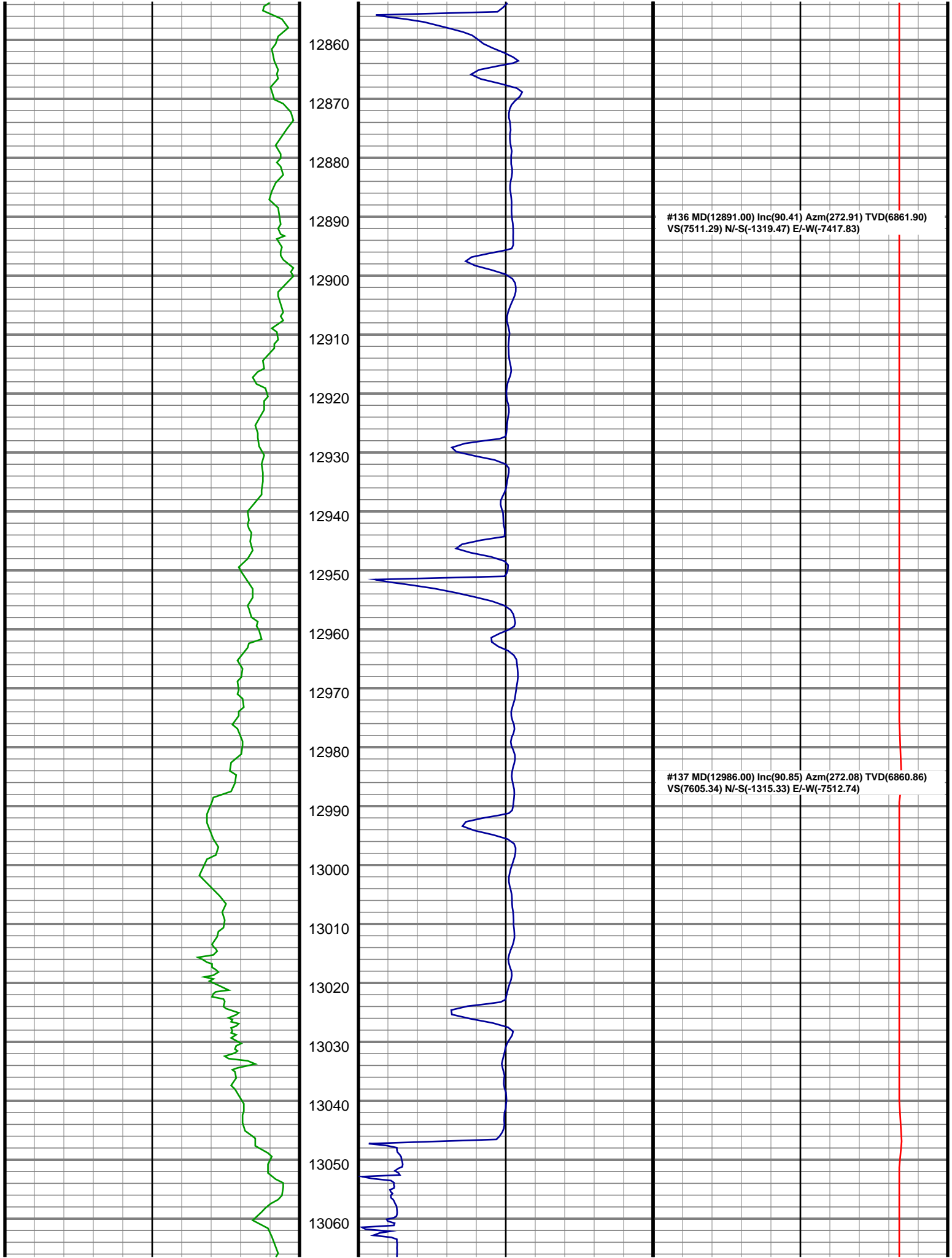
#126 MD(11940.00) Inc(89.17) Azm(270.67) TVD(6861.42)  
VS(6569.44) N/-S(-1357.78) E/-W(-6467.69)

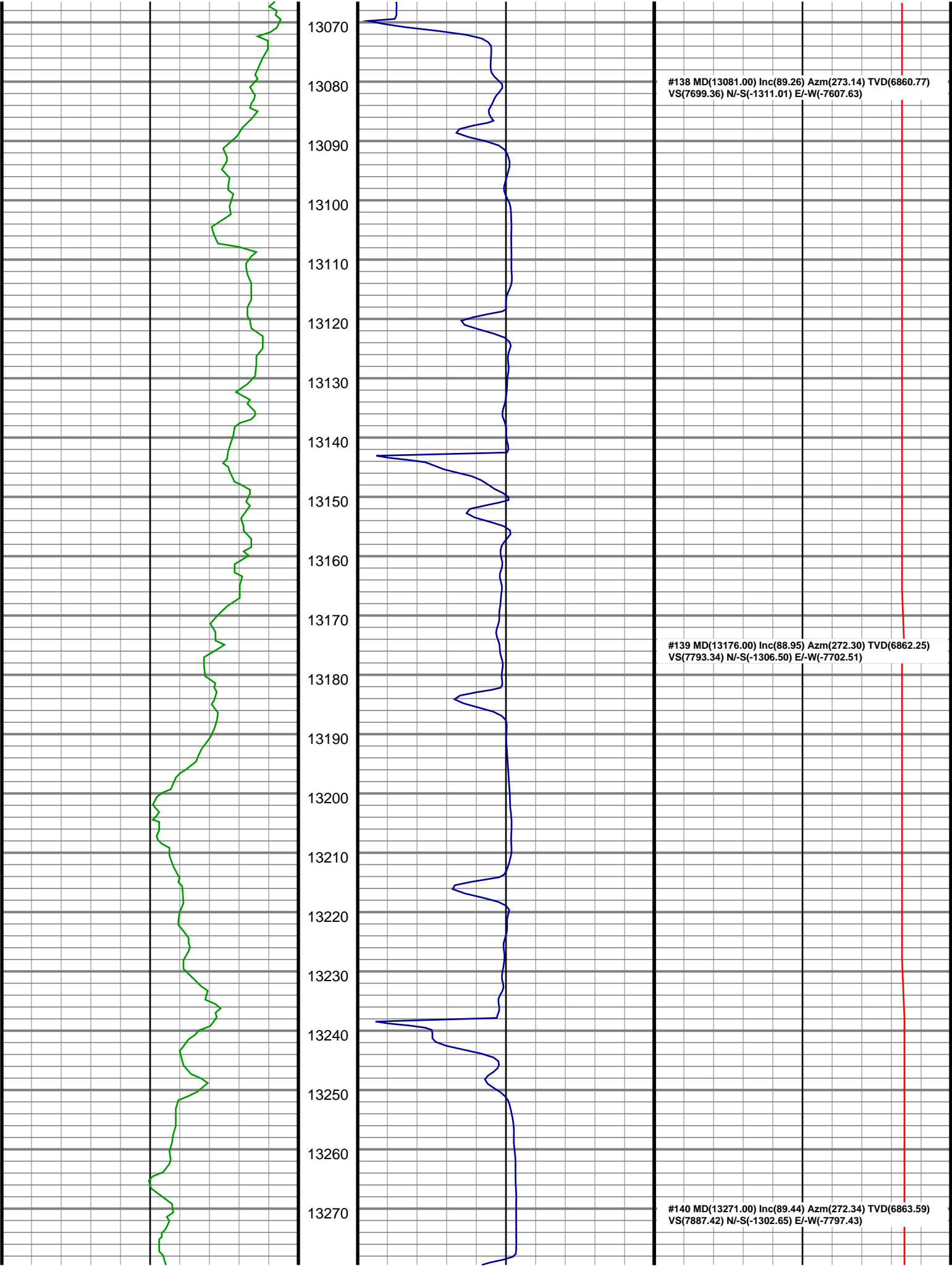


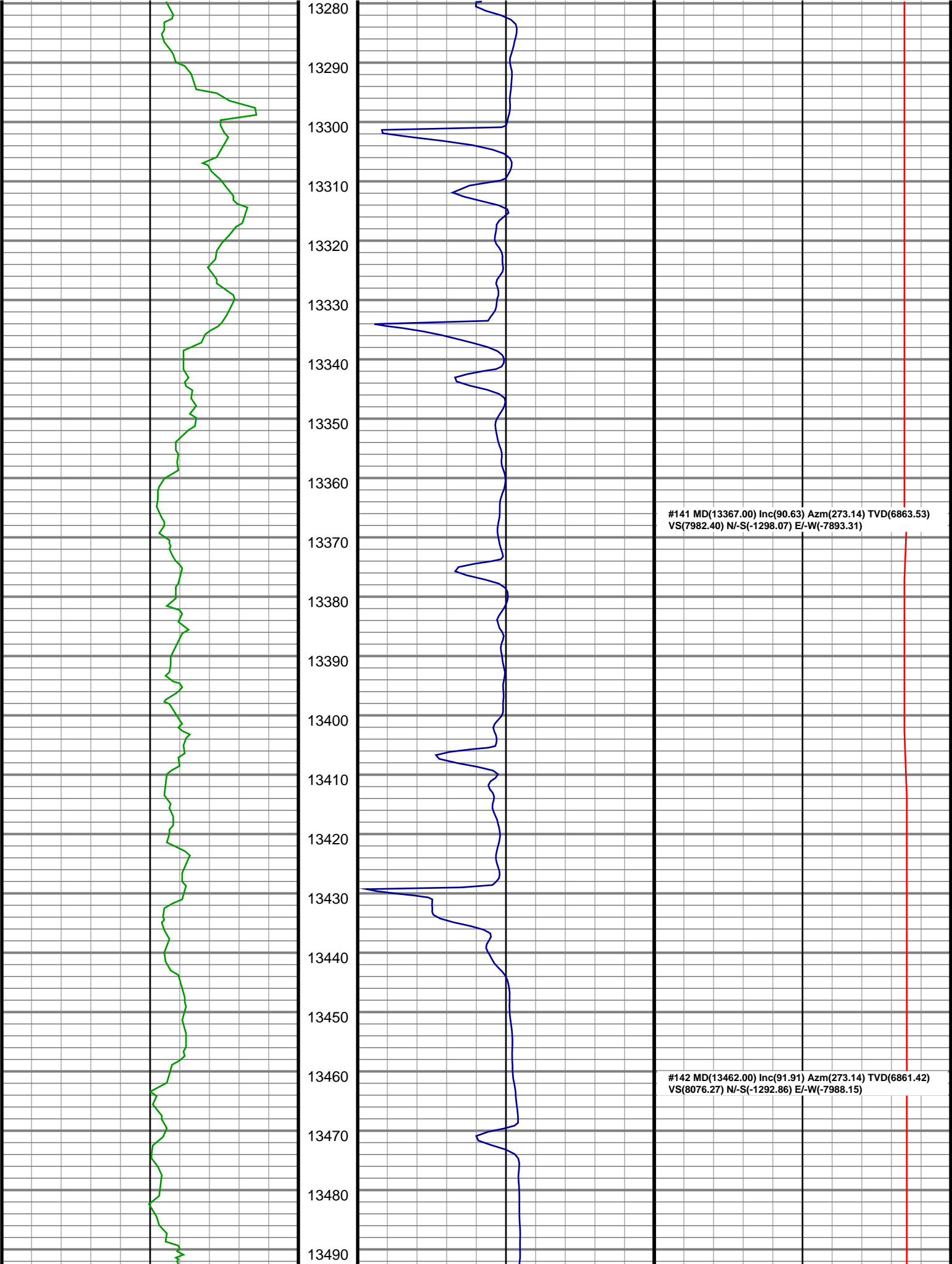




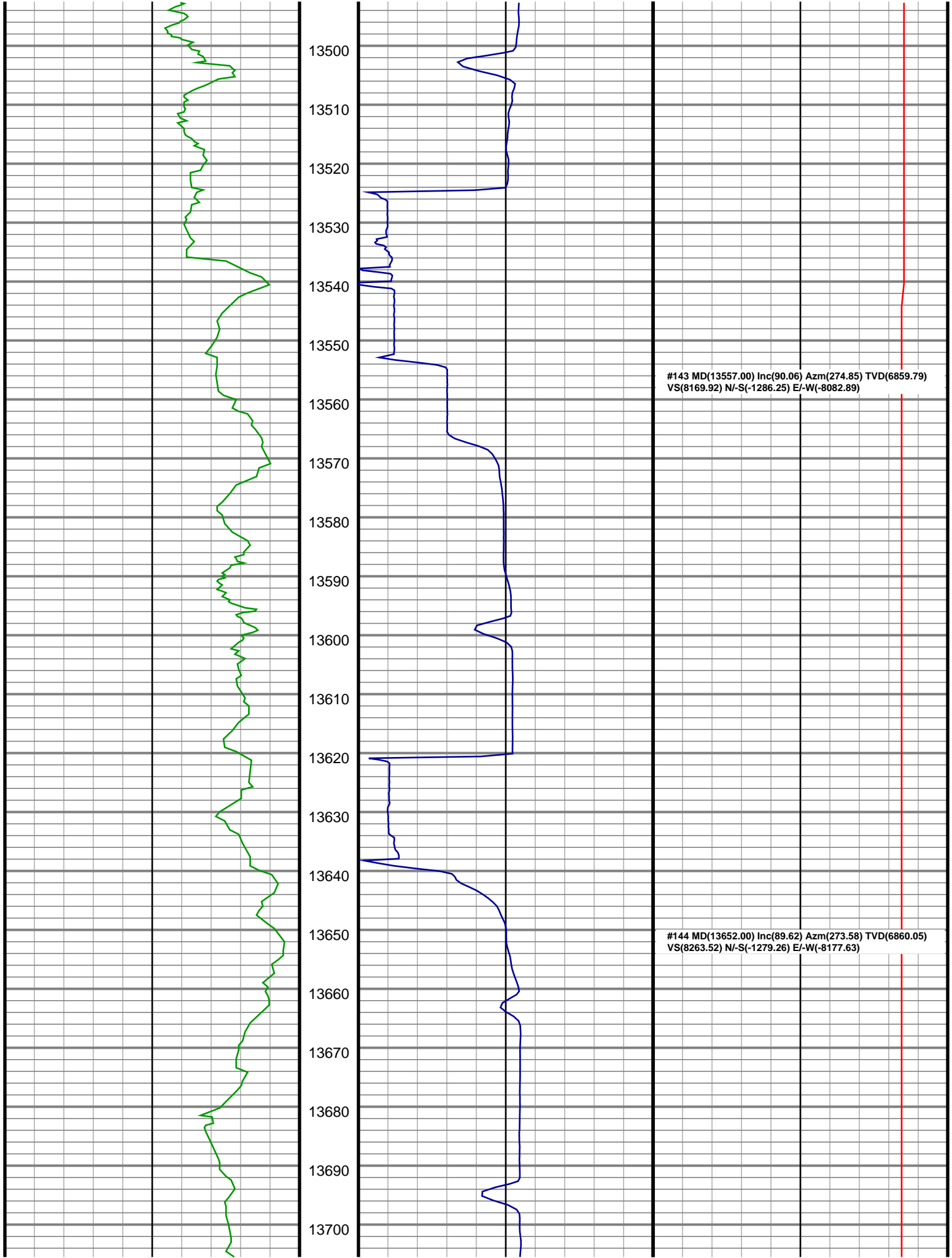


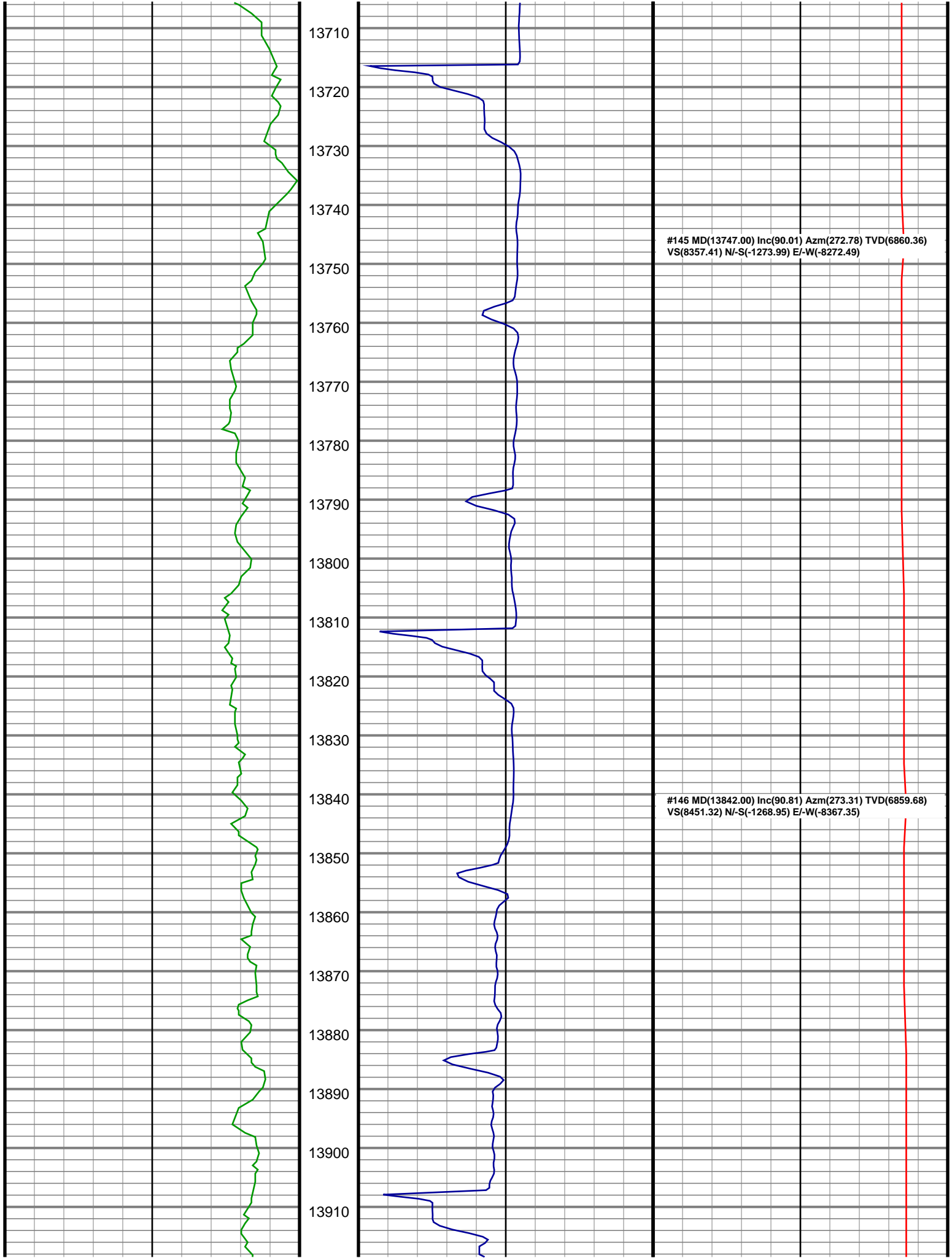


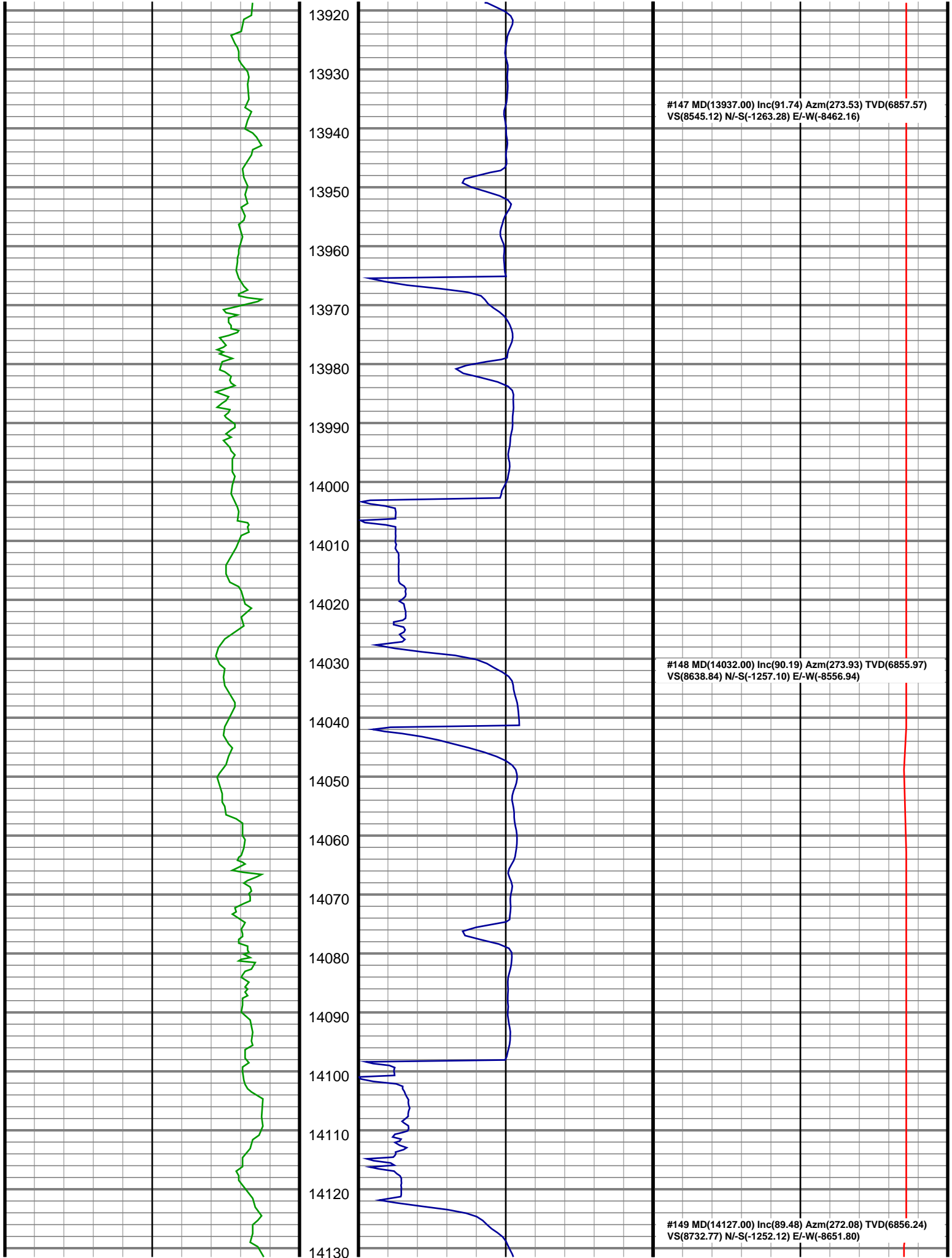


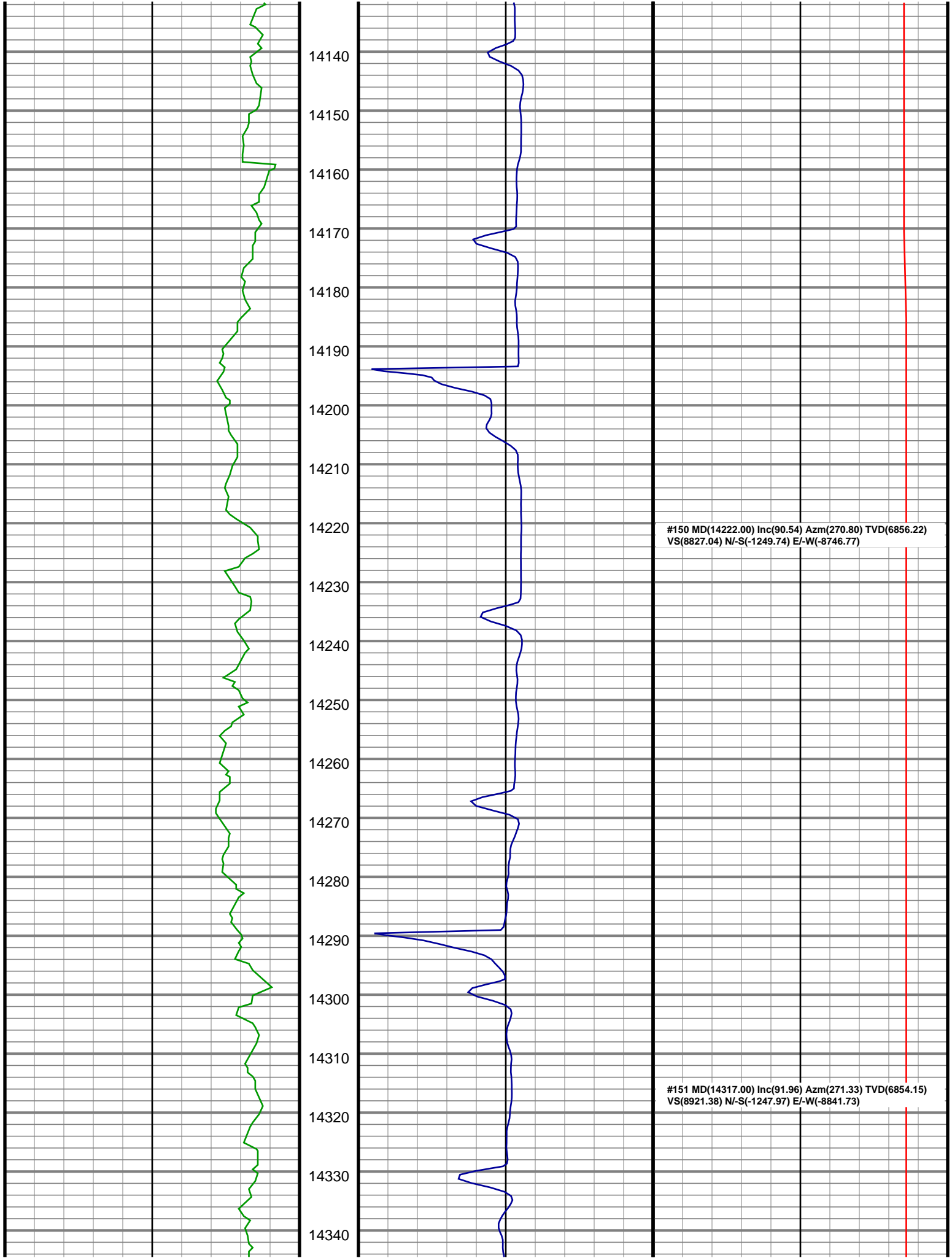


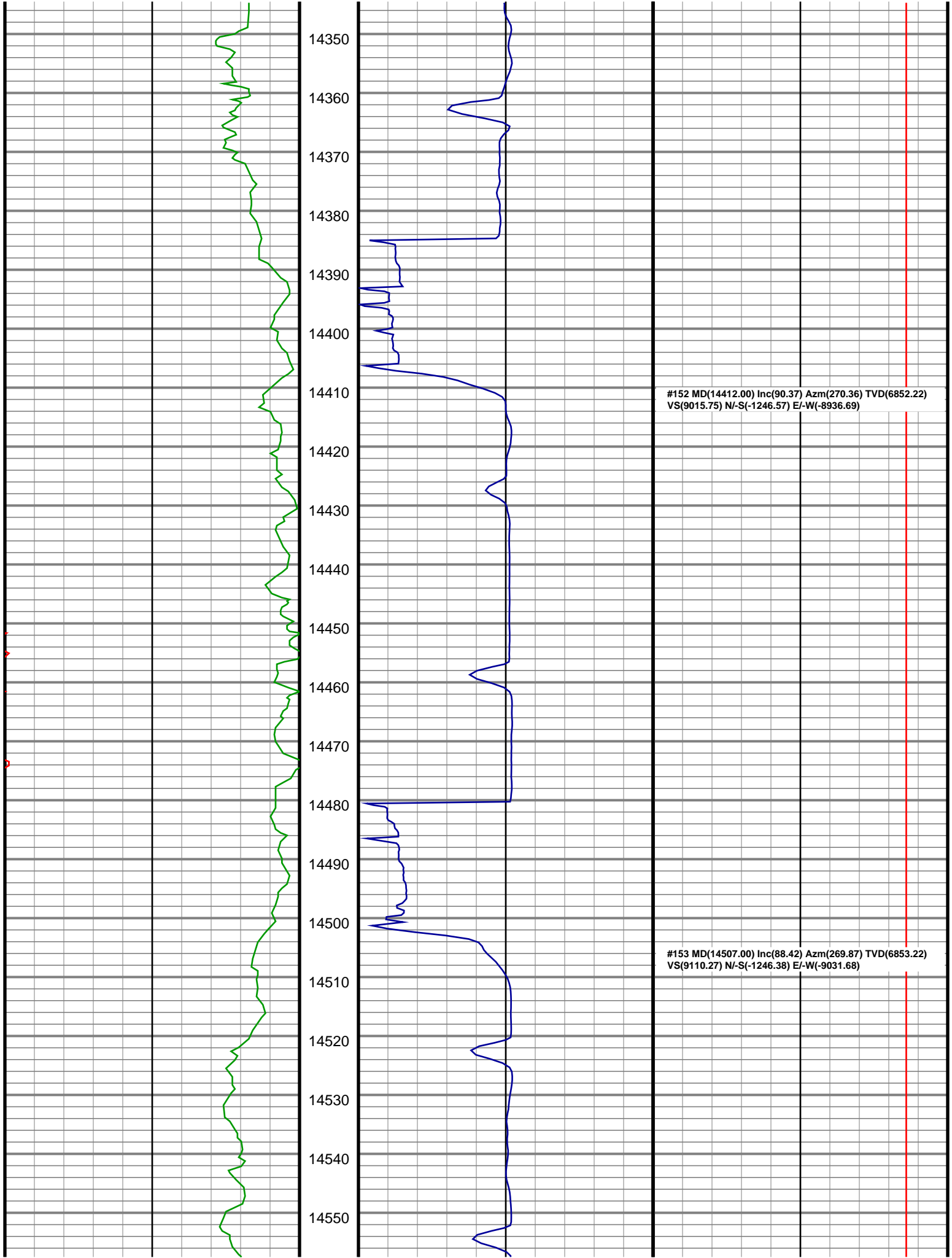


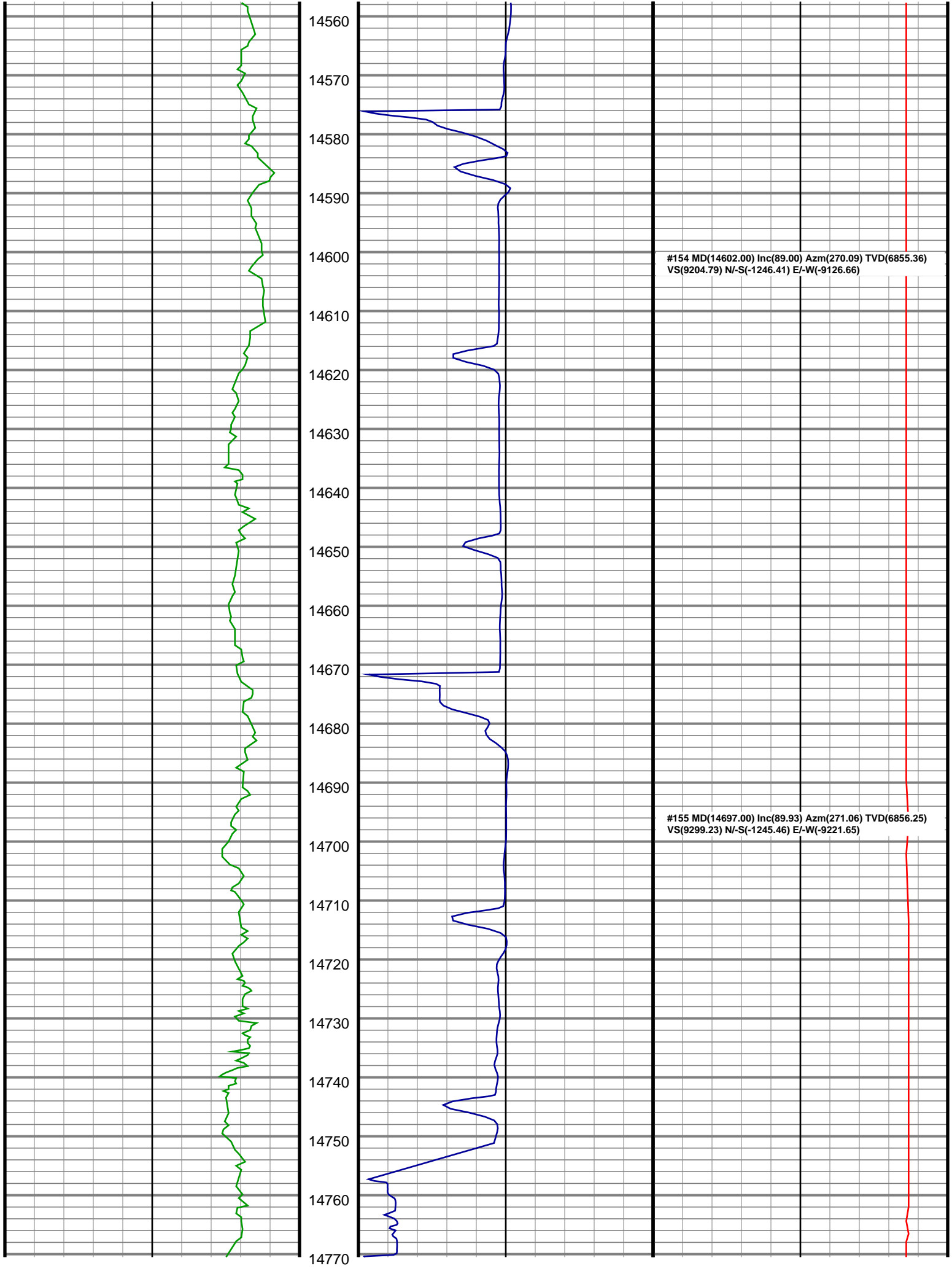


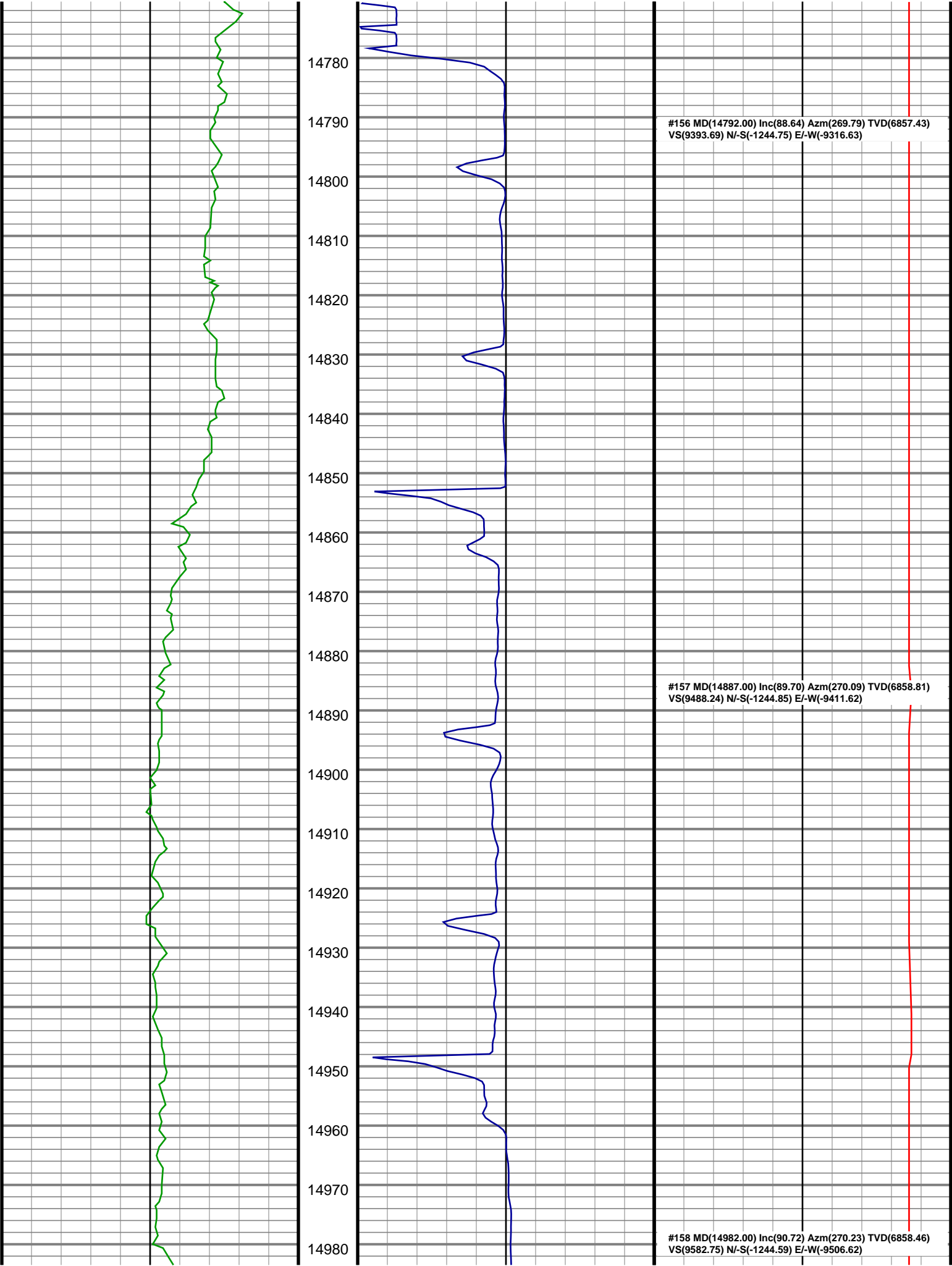


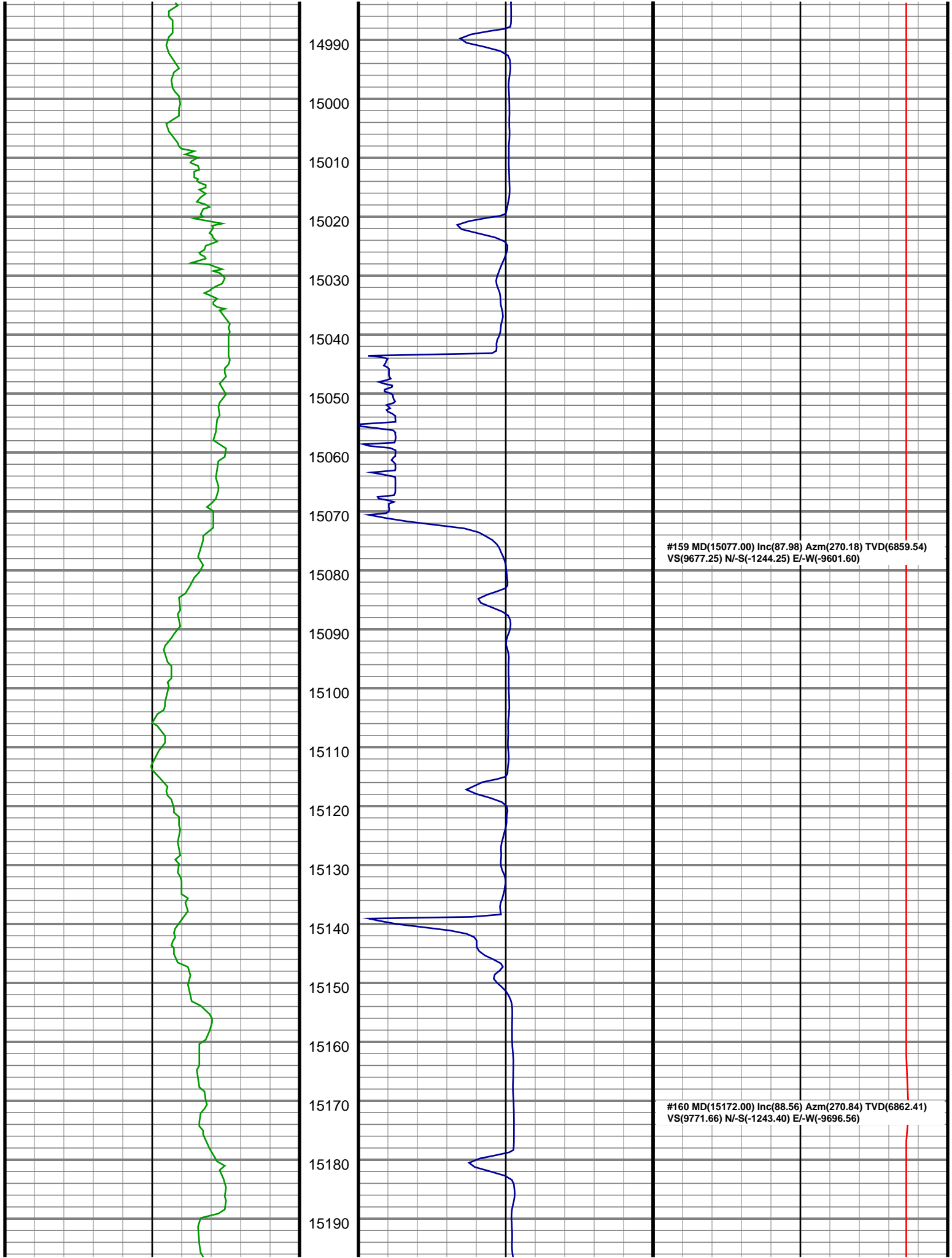




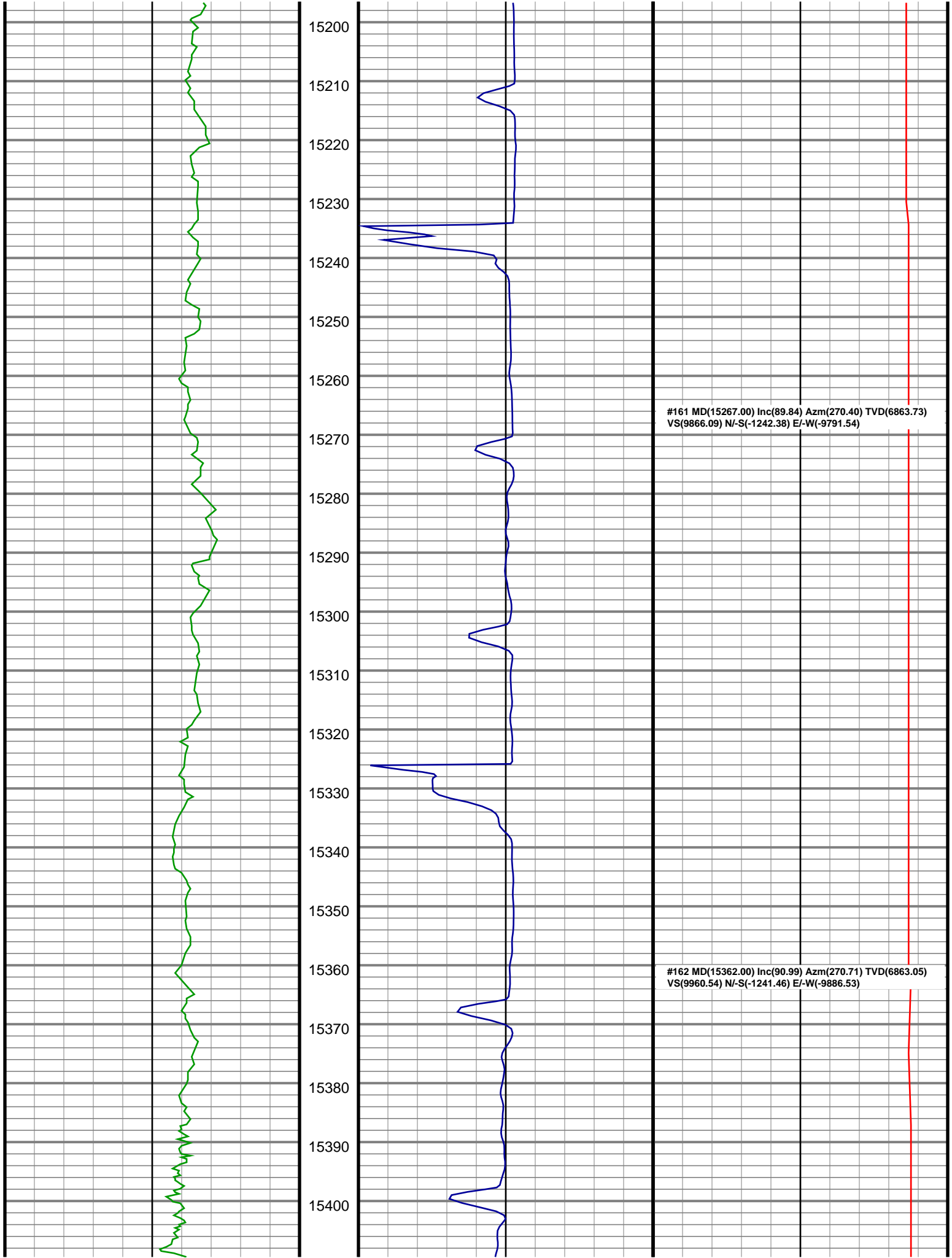


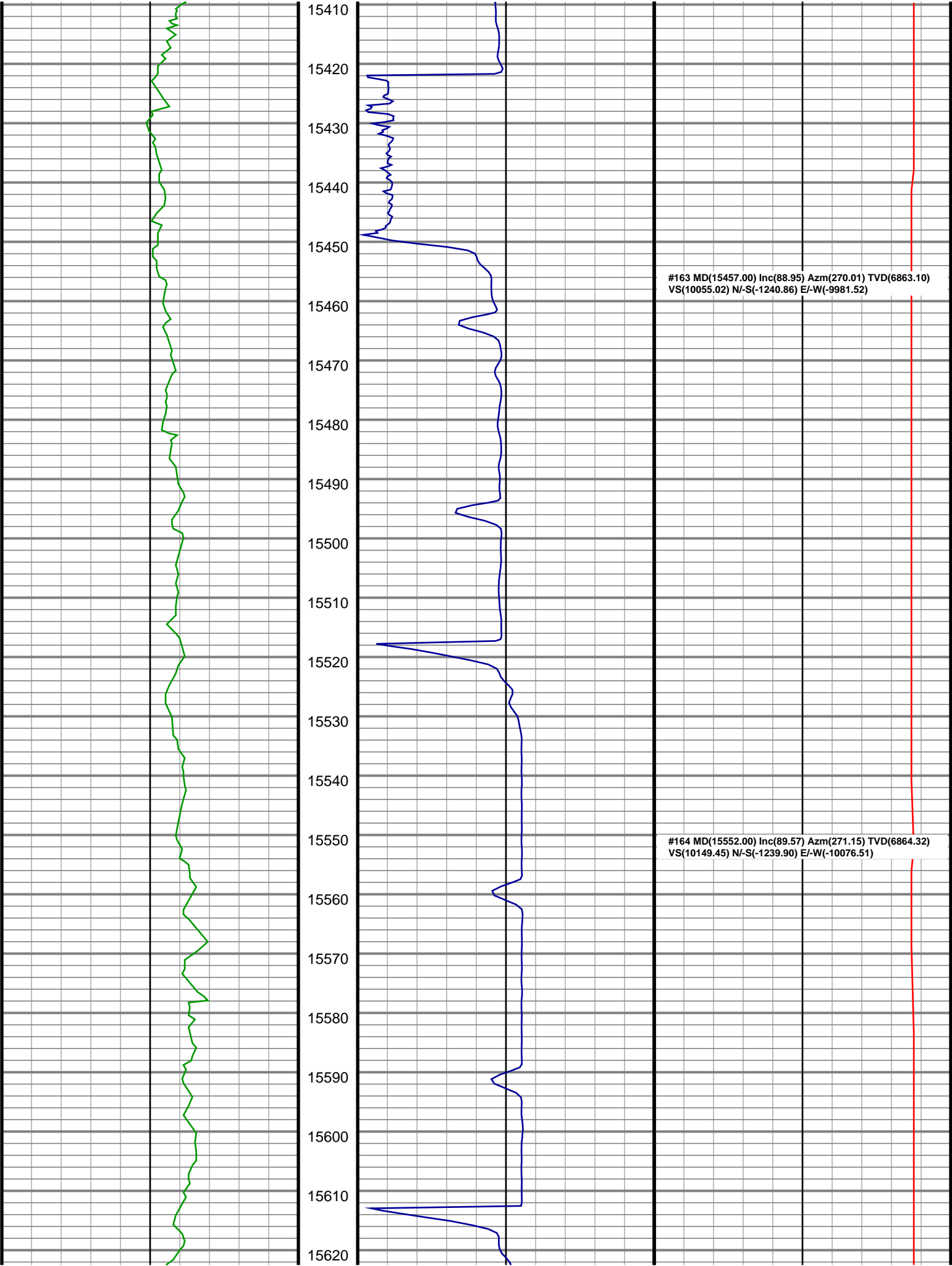


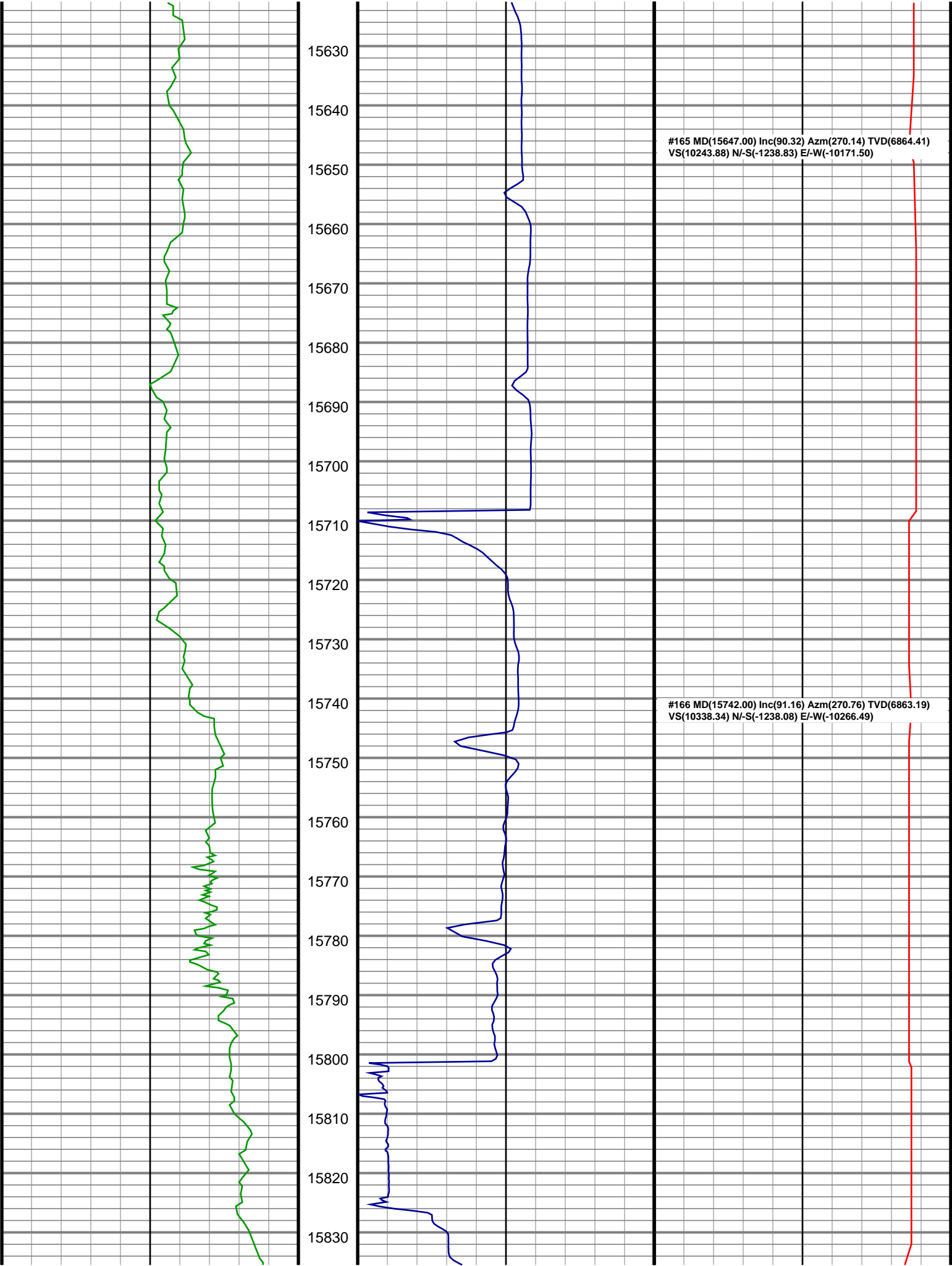


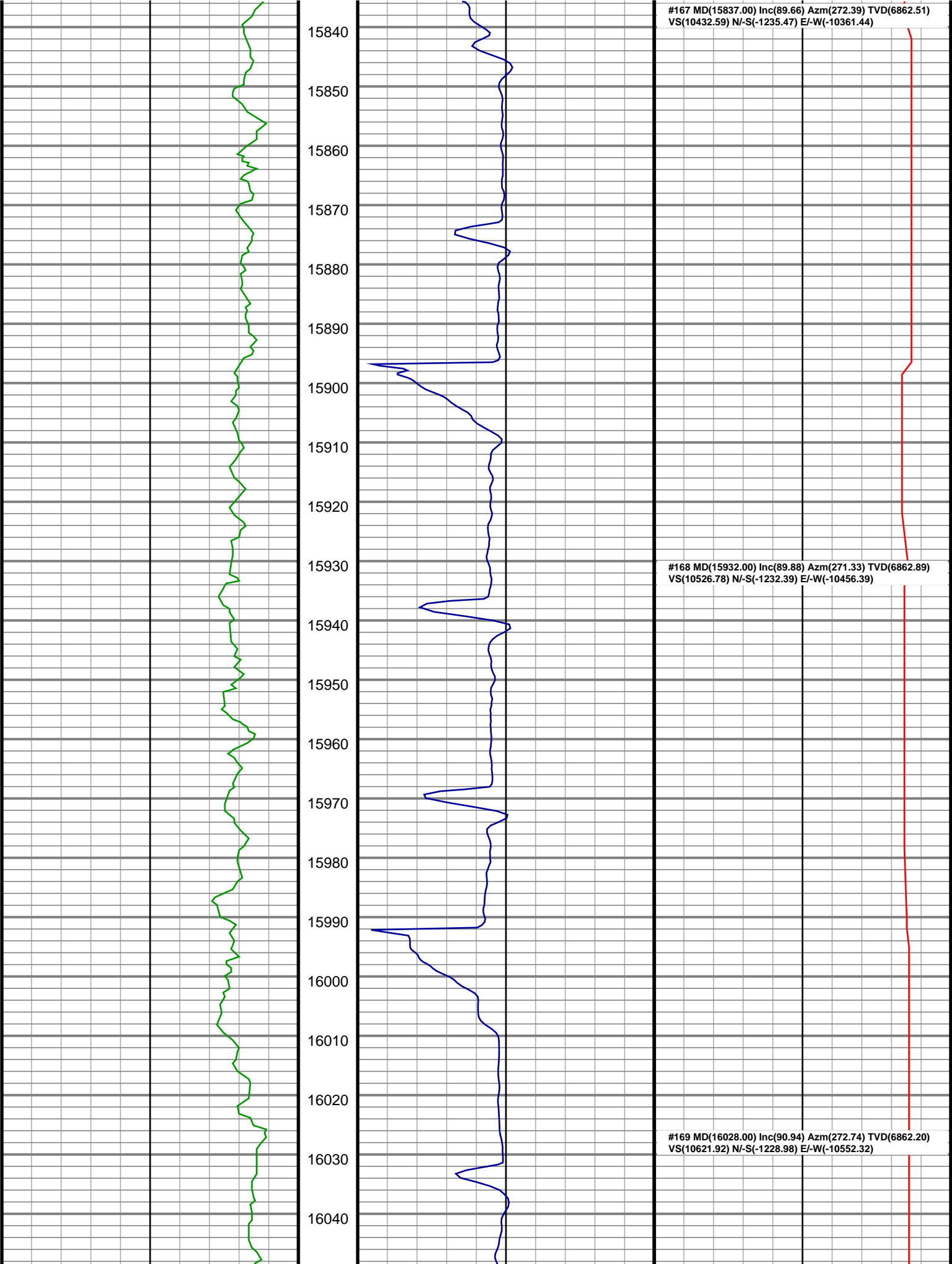


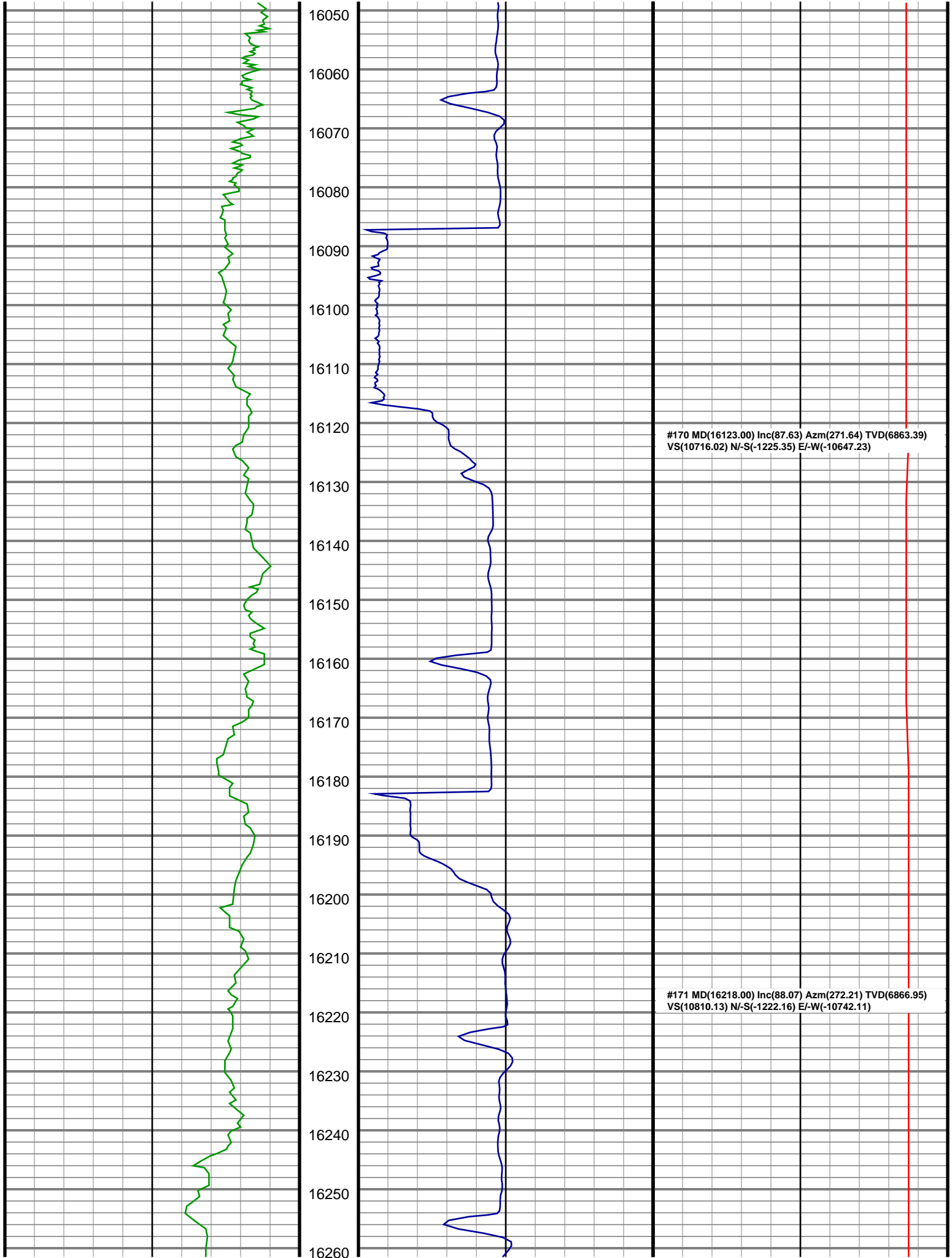


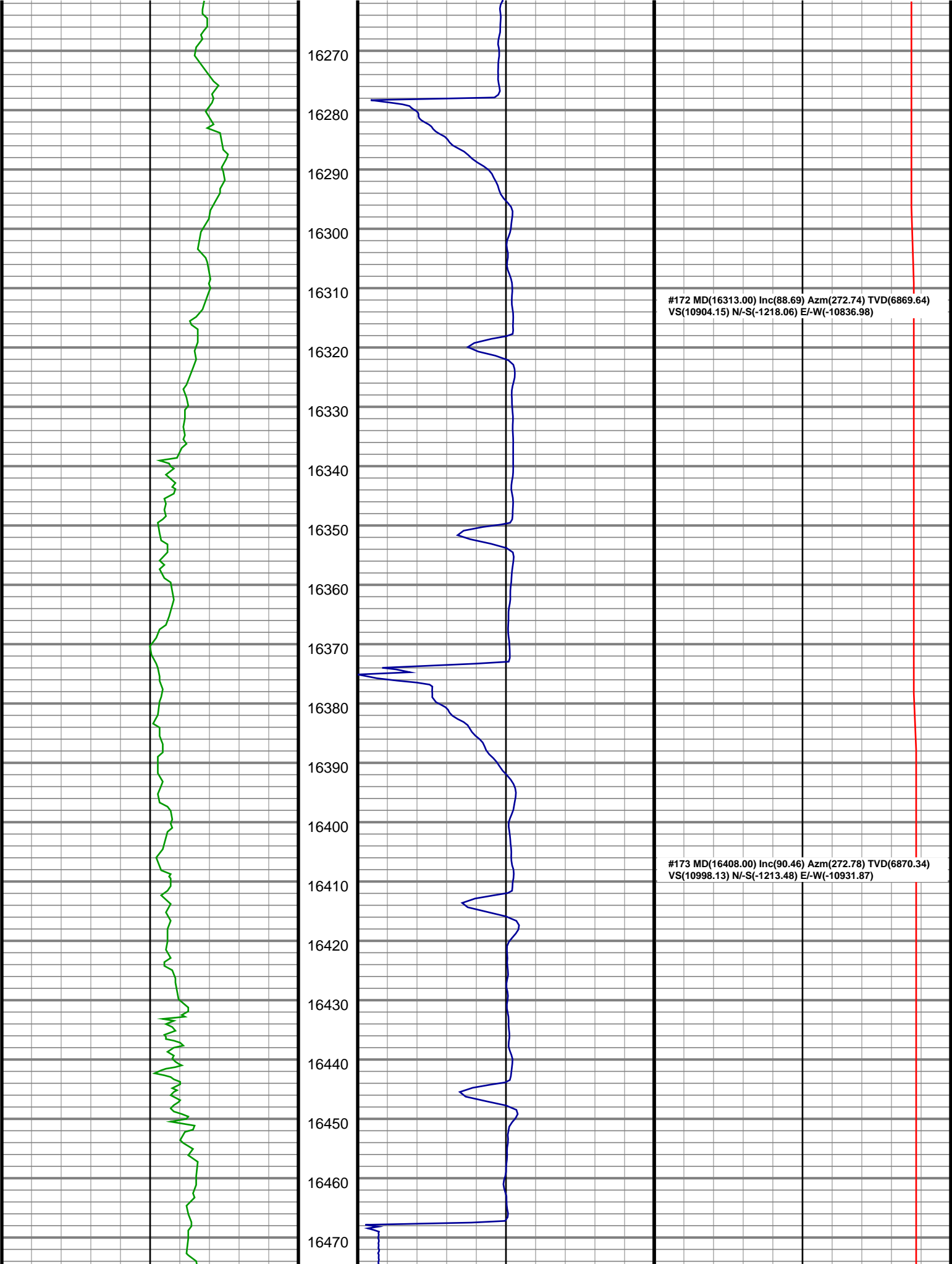


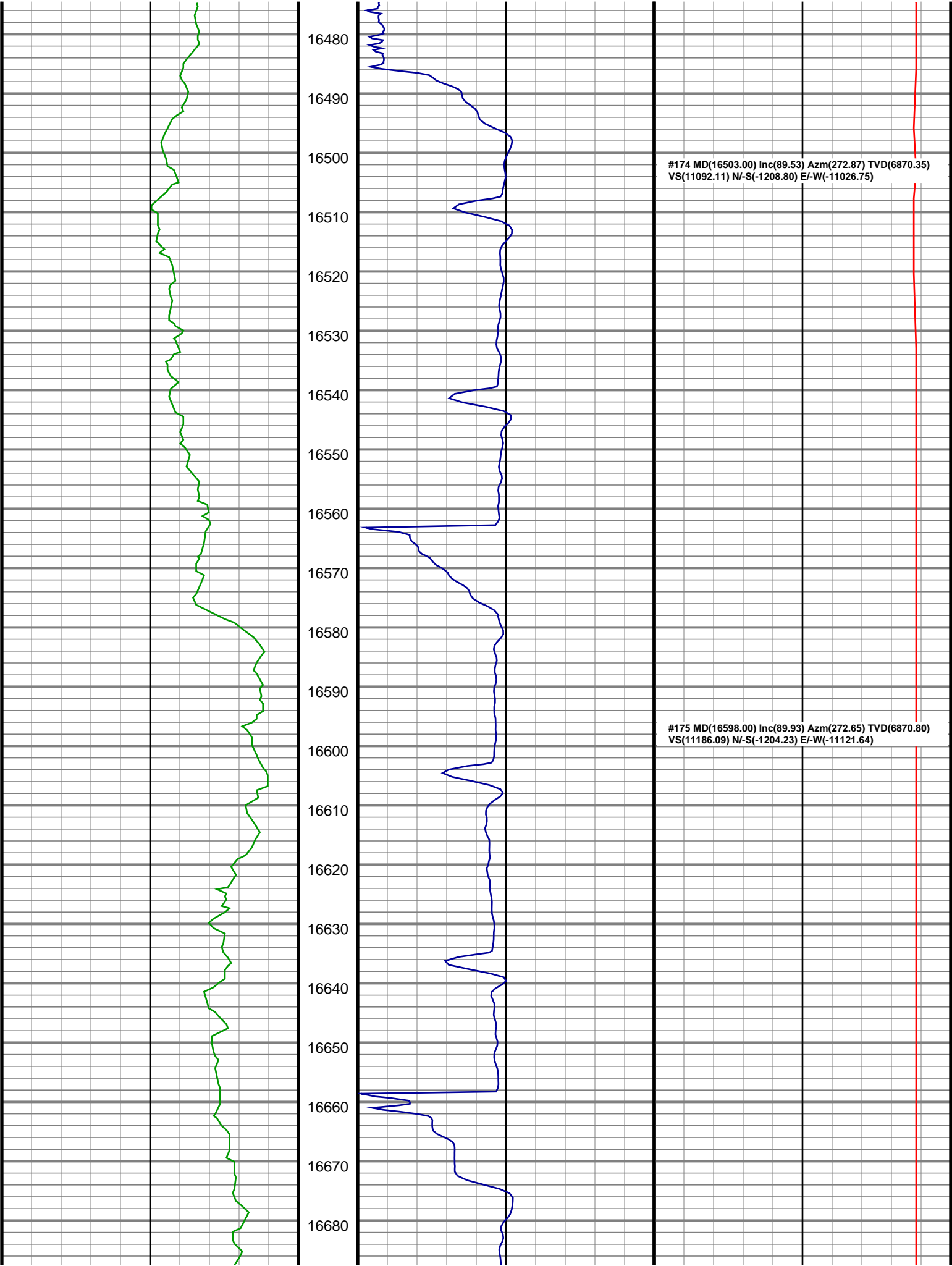


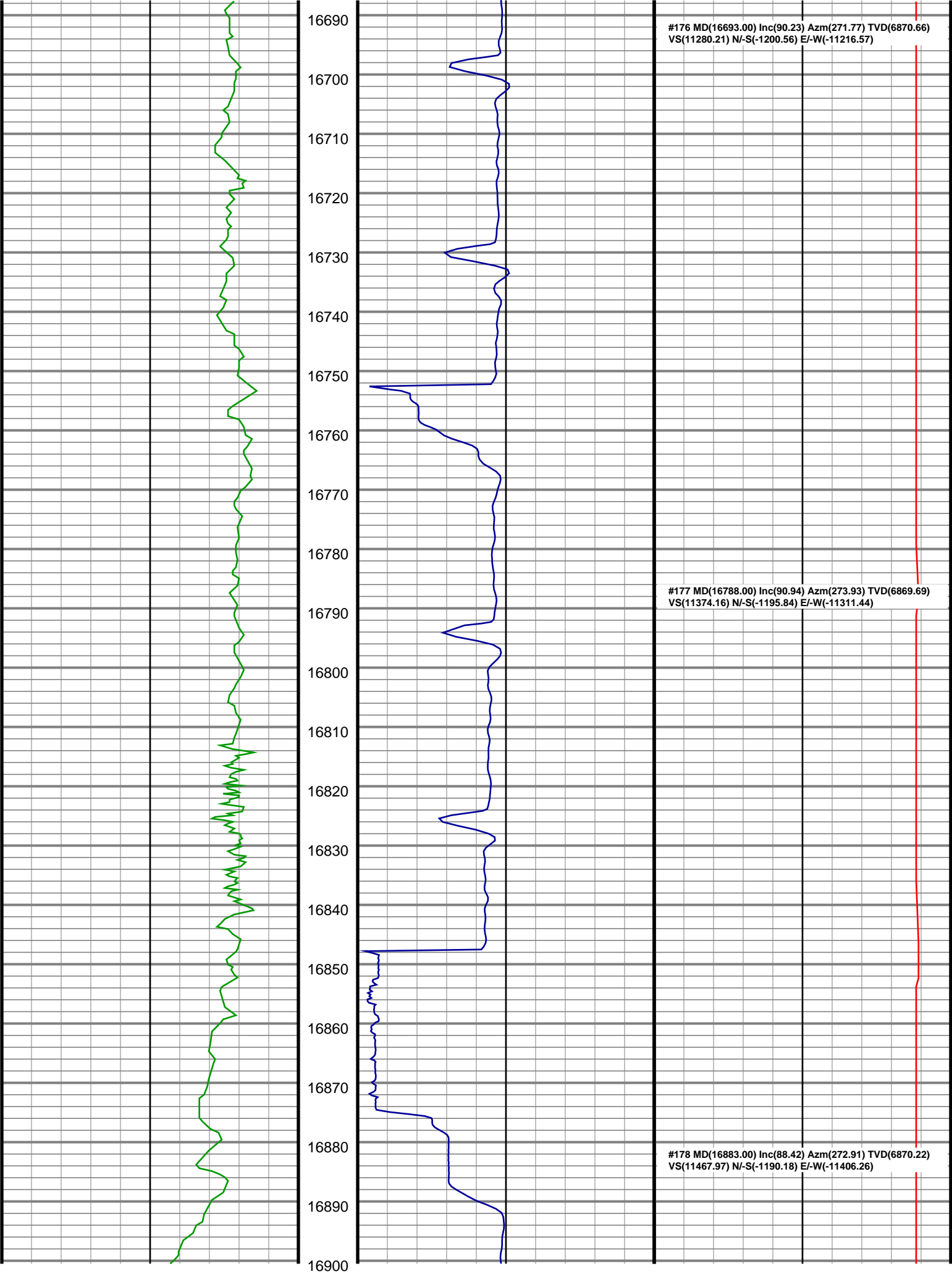




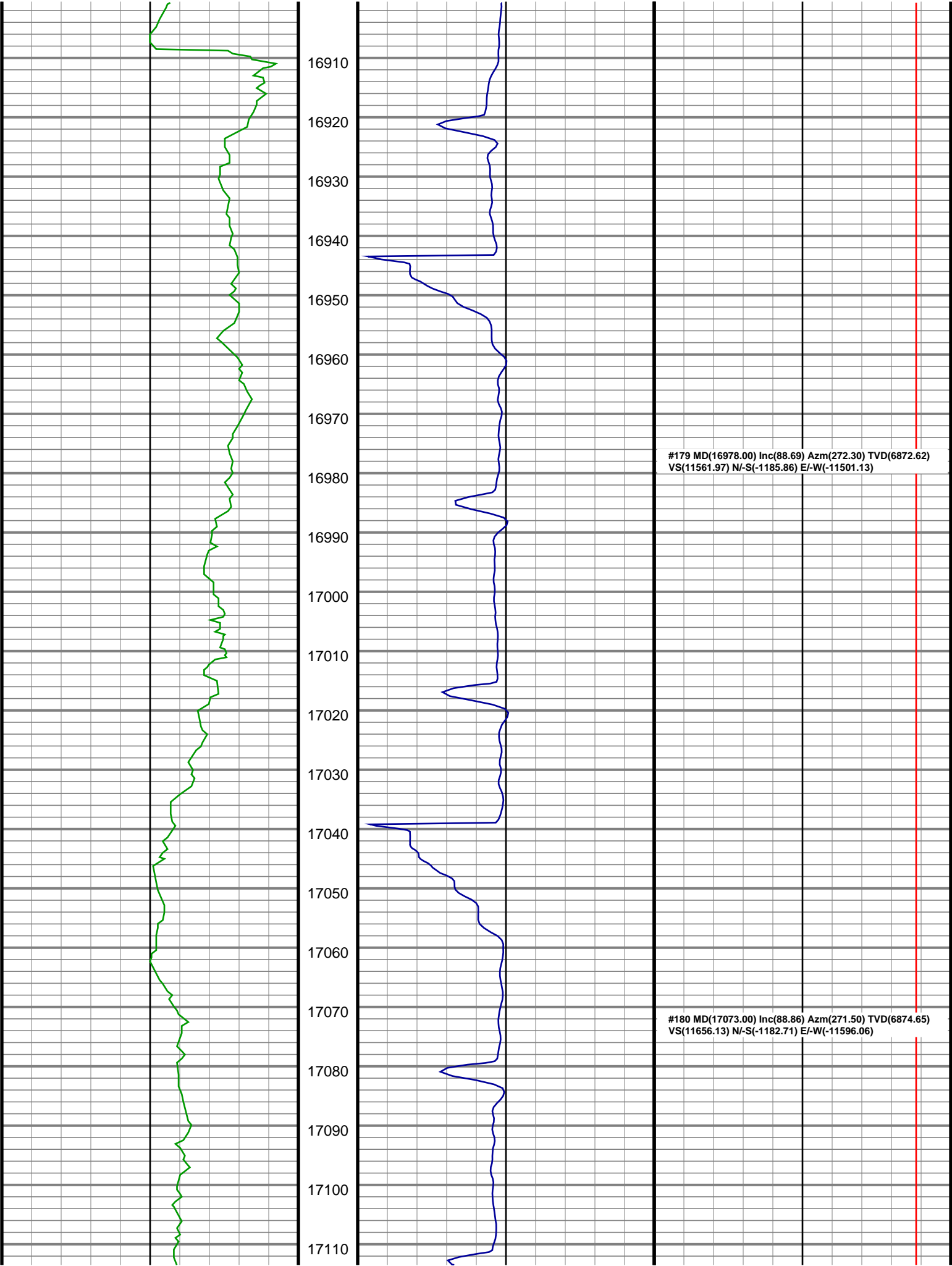


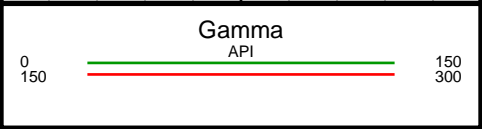
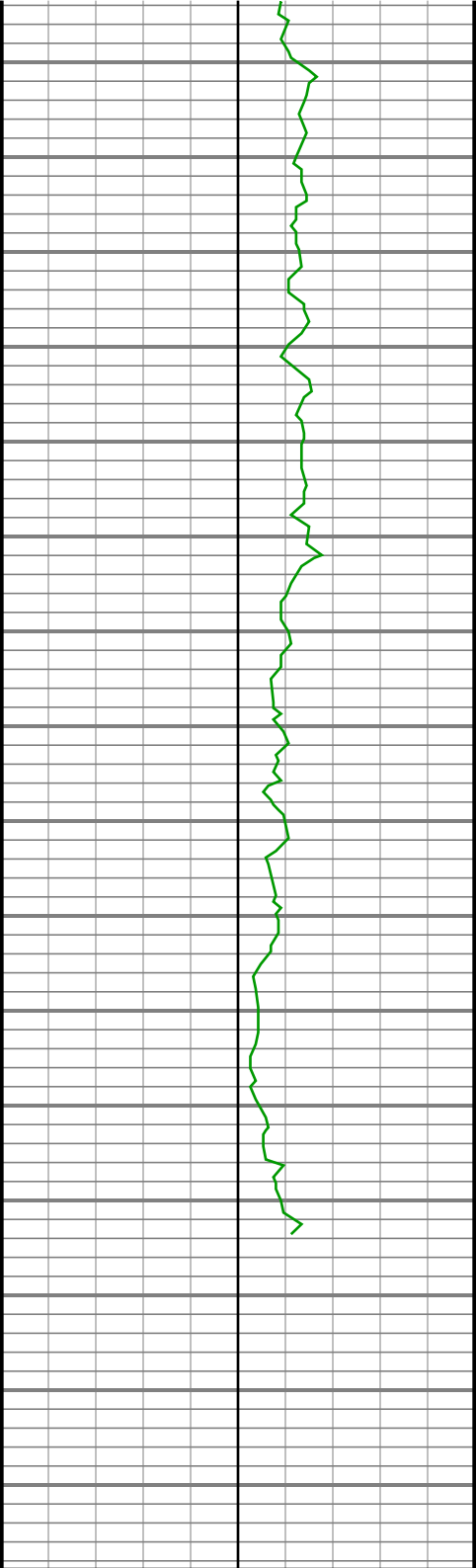




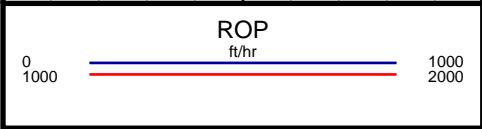
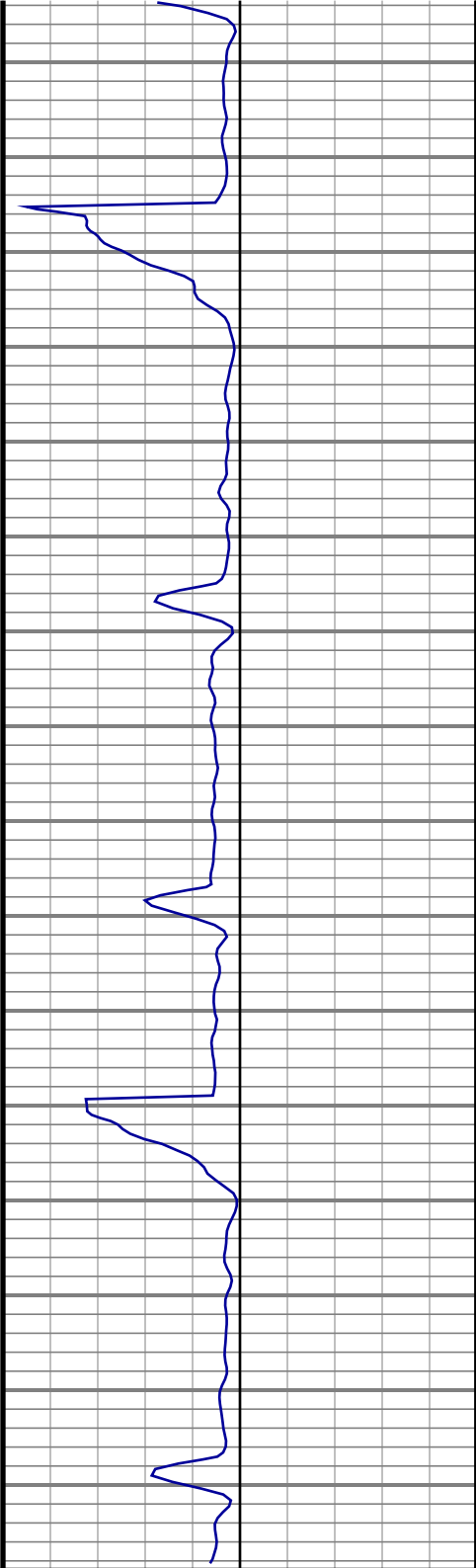








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#181 MD(17168.00) Inc(89.79) Azm(271.73) TVD(6875.77)  
VS(11750.37) N/-S(-1180.03) E/-W(-11691.01)

#182 MD(17218.00) Inc(90.41) Azm(272.25) TVD(6875.68)  
VS(11799.93) N/-S(-1178.30) E/-W(-11740.98)

