

Company: Extraction Oil & Gas

Well Name: Livingston S19-25-10N

API: 05-014-20748

County/Parish: Broomfield

State: Colorado

Country: USA

Job number: 00249EX-CO

Field: DJ Basin

Rig Id: Patterson UTI 901

Survey Company: Atlas Drilling Services

Day MWD Engineer: Keith Cornell

Night MWD: Maui Solorzano

Log measurements:

Depth measured from:

Maximum temperature: 268

Depth

Start: 1638 ft

End: 20924 ft

Date

9/4/2019

9/9/2019

Casing Depth Size

Surface: 1634 ft 9.625"

Intermediate: 7515 ft

Mud Type: OBM

Density: 9.7

Viscosity: 44

Elevations

KB: 29

GL: 5322.9

Rm:

Rmf:

Rmc:

DF: 5351.9

Offsets

Gamma

Survey

Depths

Start

End

Dates

Start

End

Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75"	44.48 ft	58.00 ft	1,638 ft	3,013 ft	09/04/2019 04:00	09/04/2019 10:30
2	8.75"	40.71 ft	54.00 ft	3,013 ft	8,881 ft	09/04/2019 11:00	09/05/2019 9:30
3	8.5"	20.87 ft	28.00 ft	8,881 ft	9,155 ft	09/05/2019 11:30	09/05/2019 20:15
4	8.5"	20.91 ft	28.00 ft	9,155 ft	12,010 ft	09/05/2019 20:40	09/07/2019 04:00
5	8.5"	20.72 ft	27.00 ft	12,010 ft	20,924 ft	09/07/2019 04:20	09/09/2019 19:15
6							
7							
8							
9							
10							

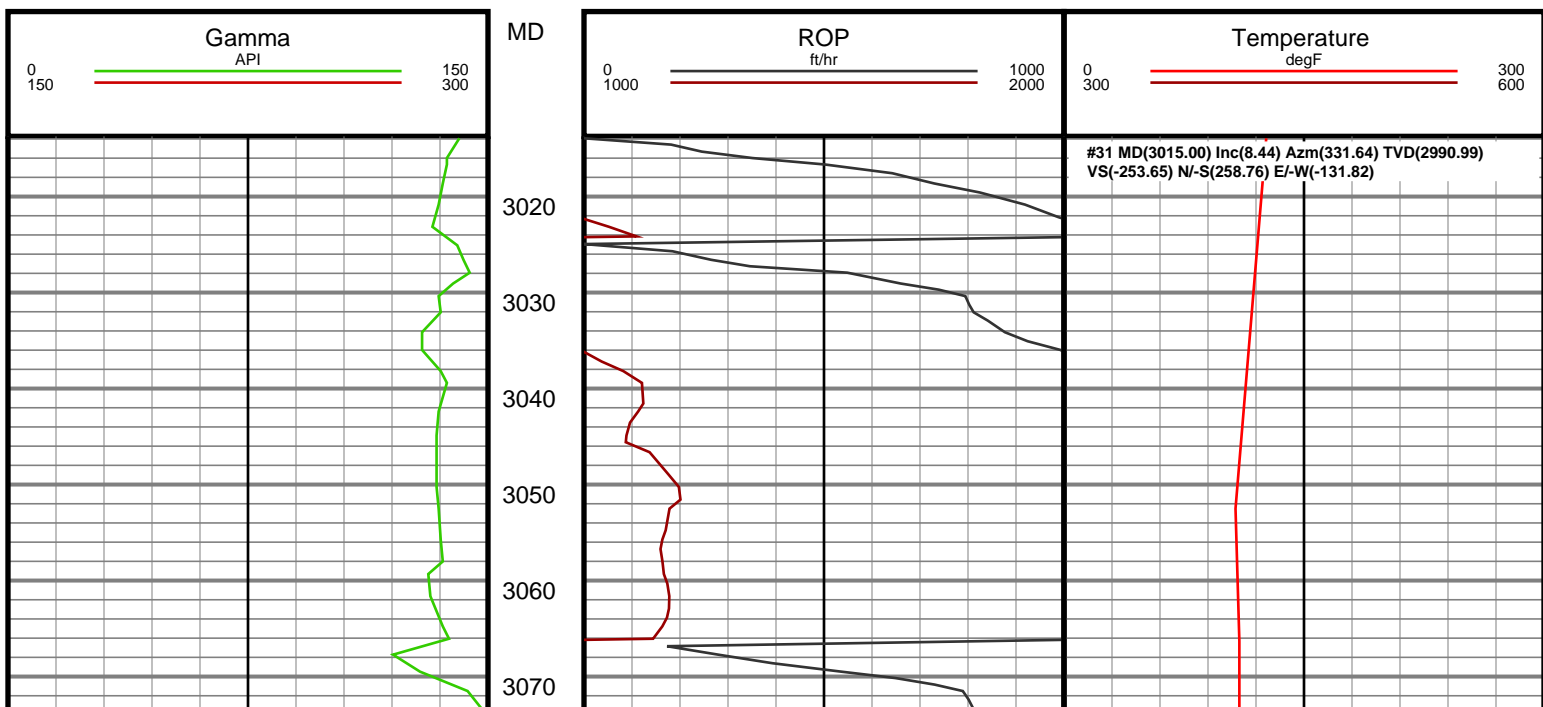
Float 1,591'

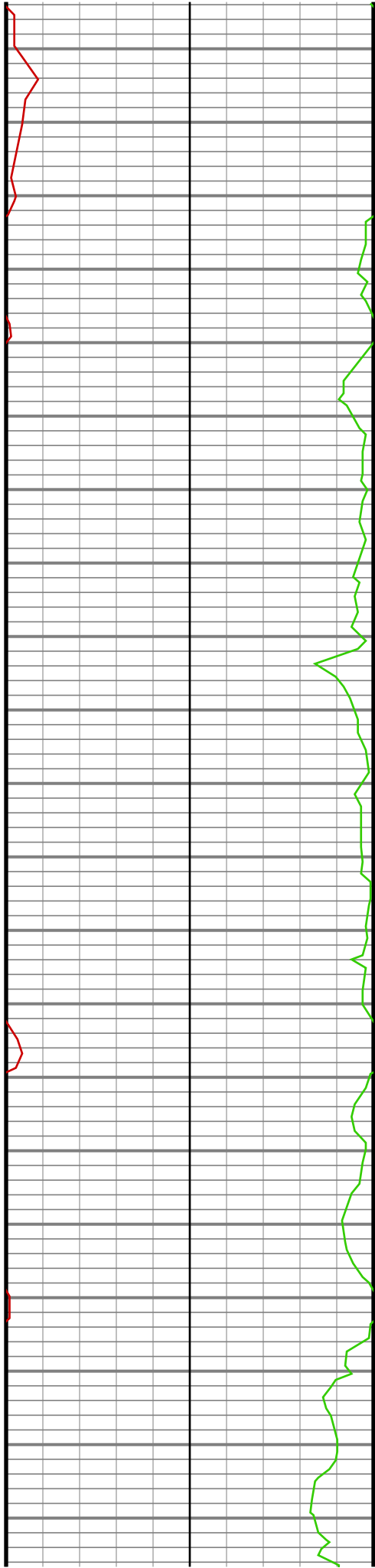
Shoe 1,634'

KOP 7,553'

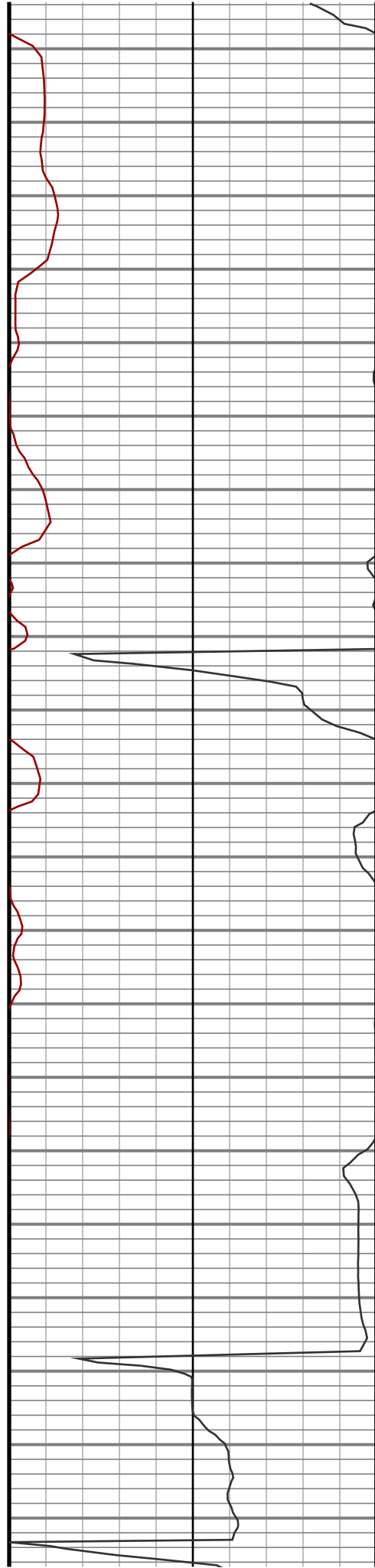
Atlas Drilling Services uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
11							



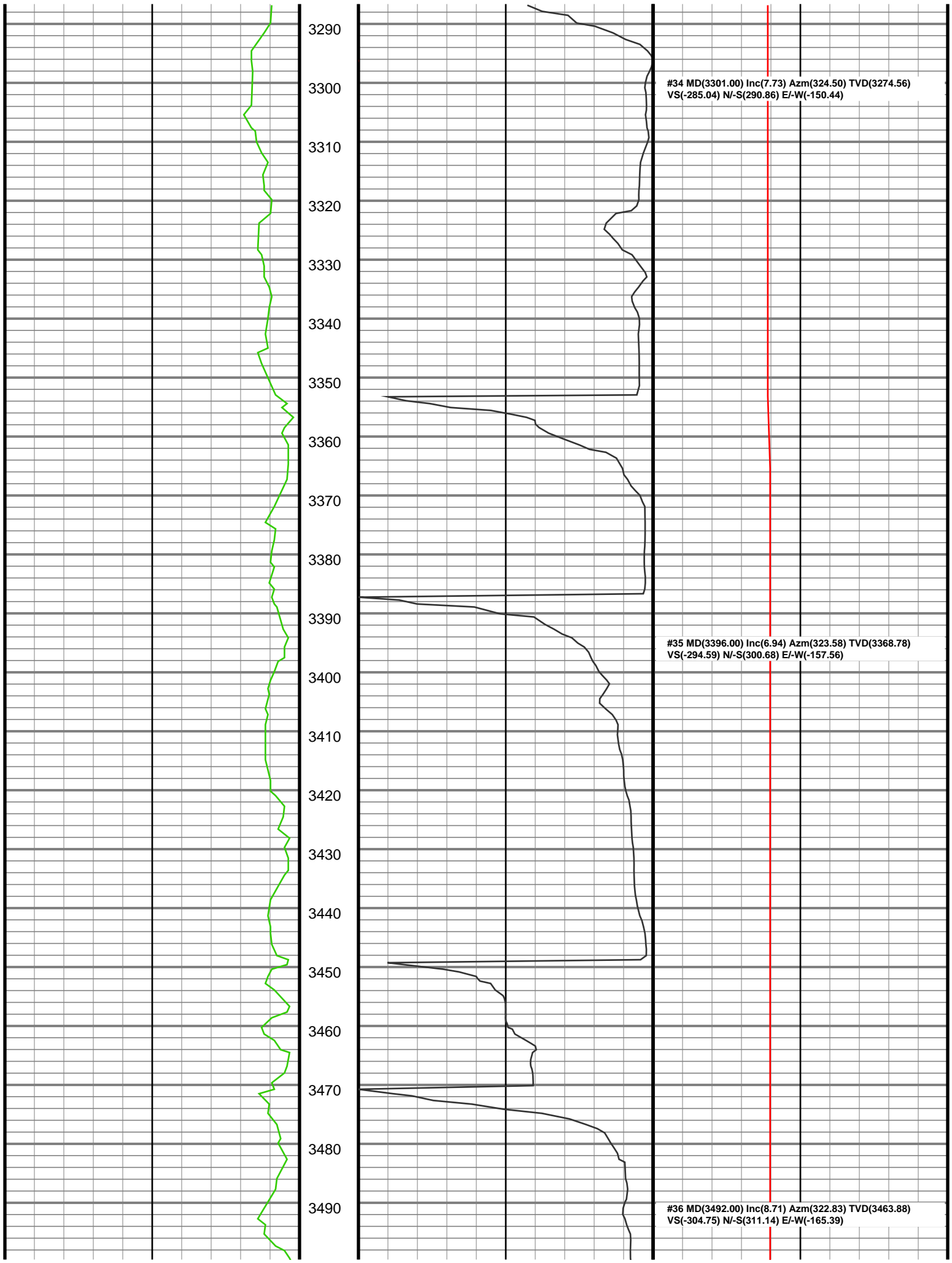


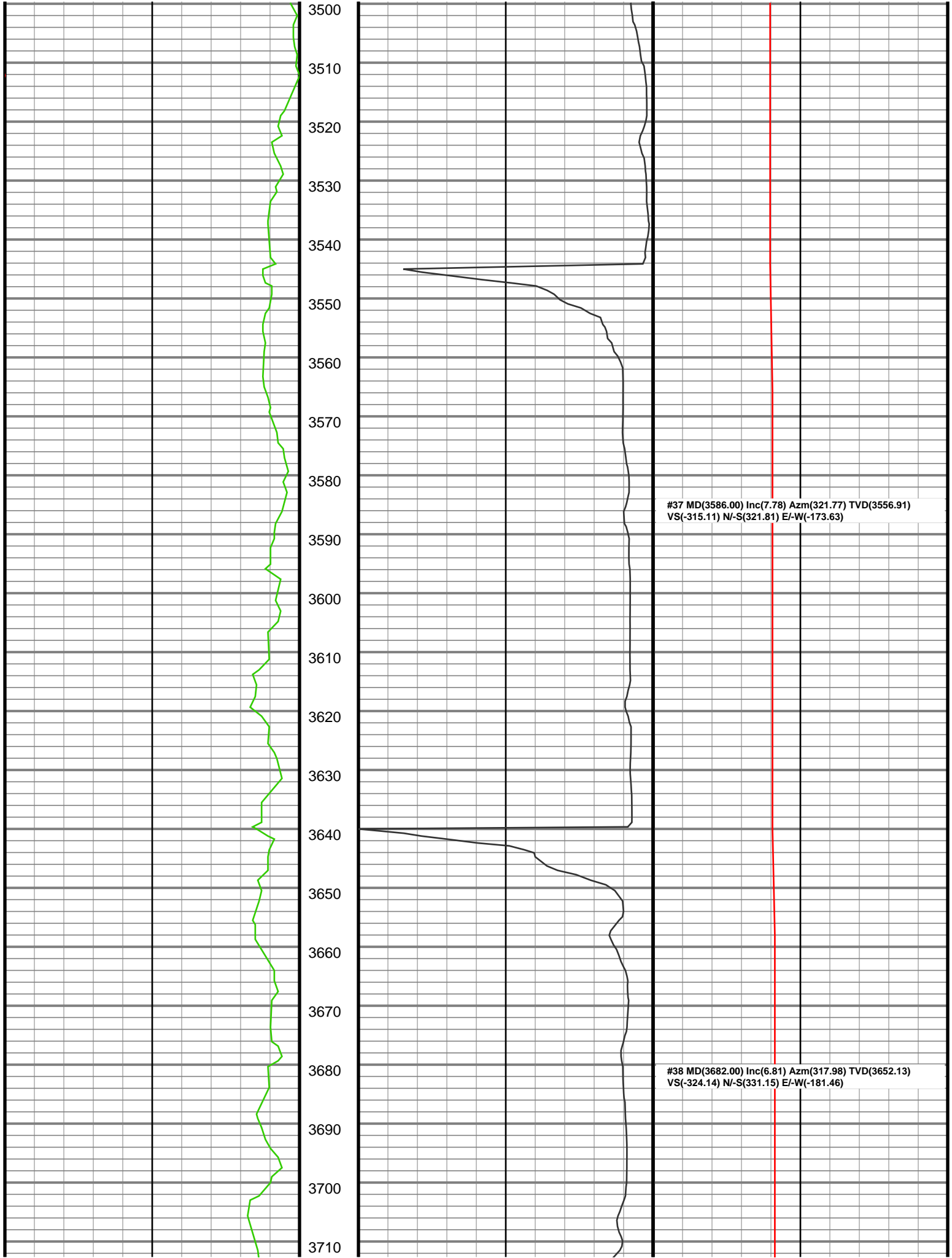
3080
3090
3100
3110
3120
3130
3140
3150
3160
3170
3180
3190
3200
3210
3220
3230
3240
3250
3260
3270
3280

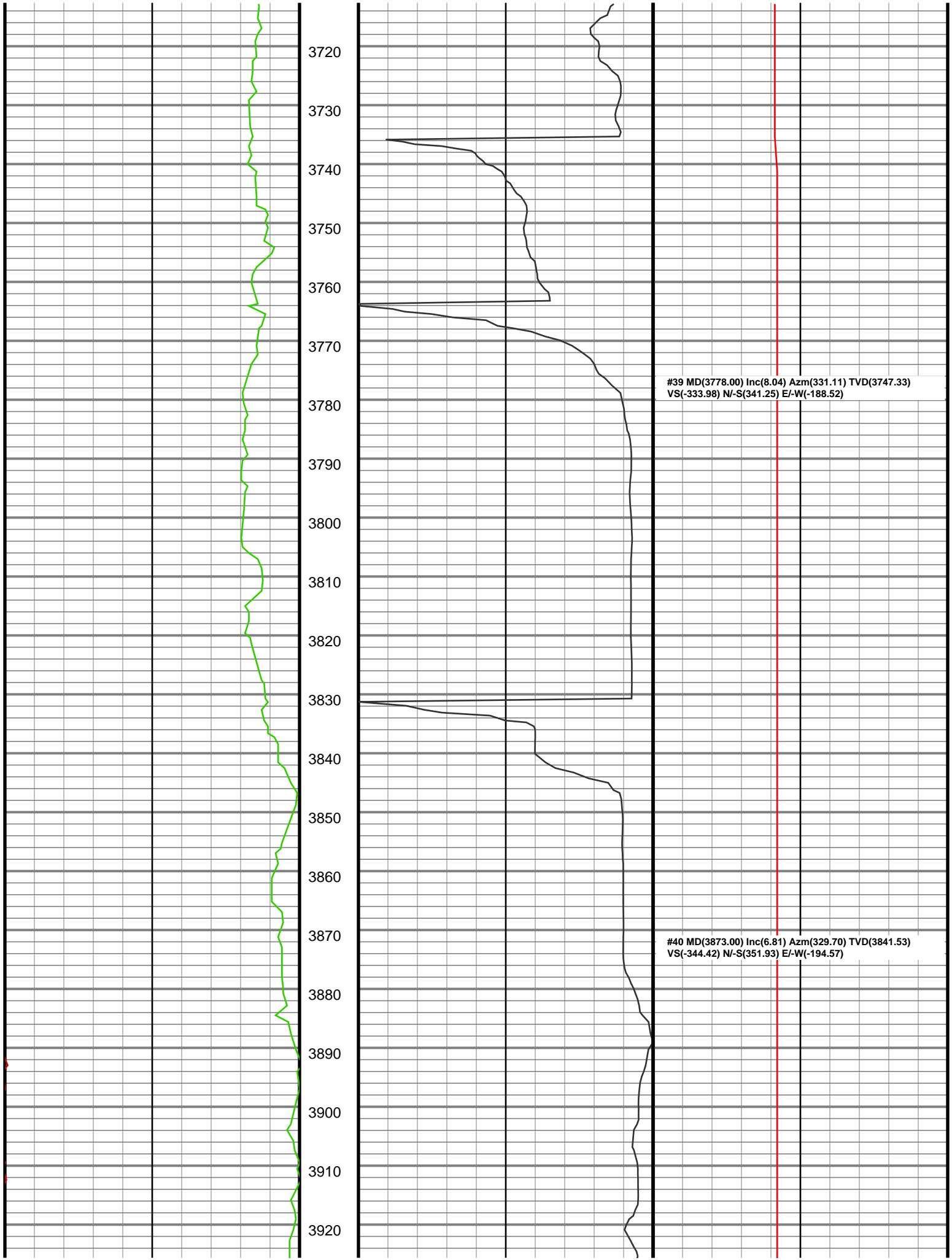


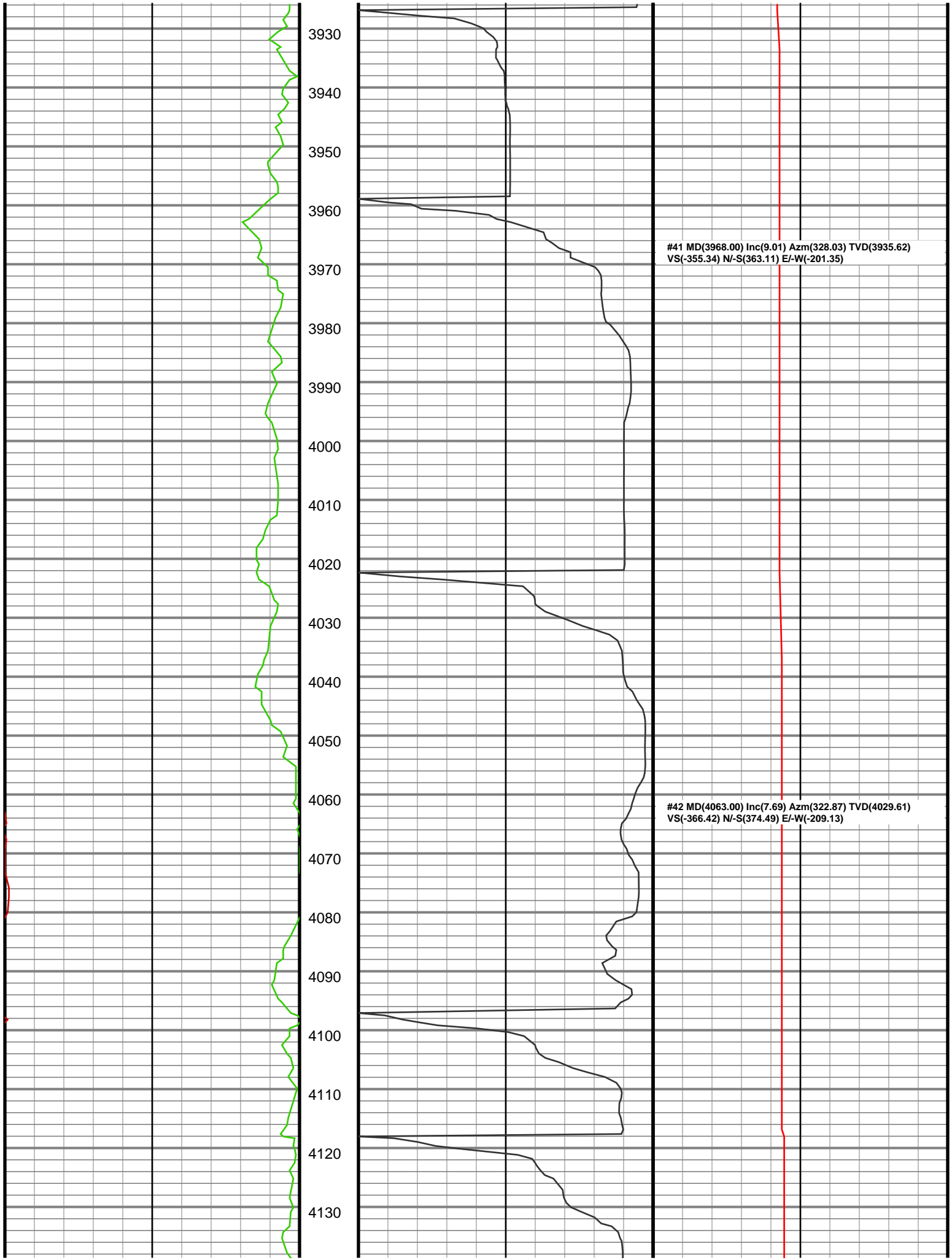
#32 MD(3110.00) Inc(7.69) Azm(332.69) TVD(3085.05)
VS(-265.19) N/-S(270.54) E/-W(-138.05)

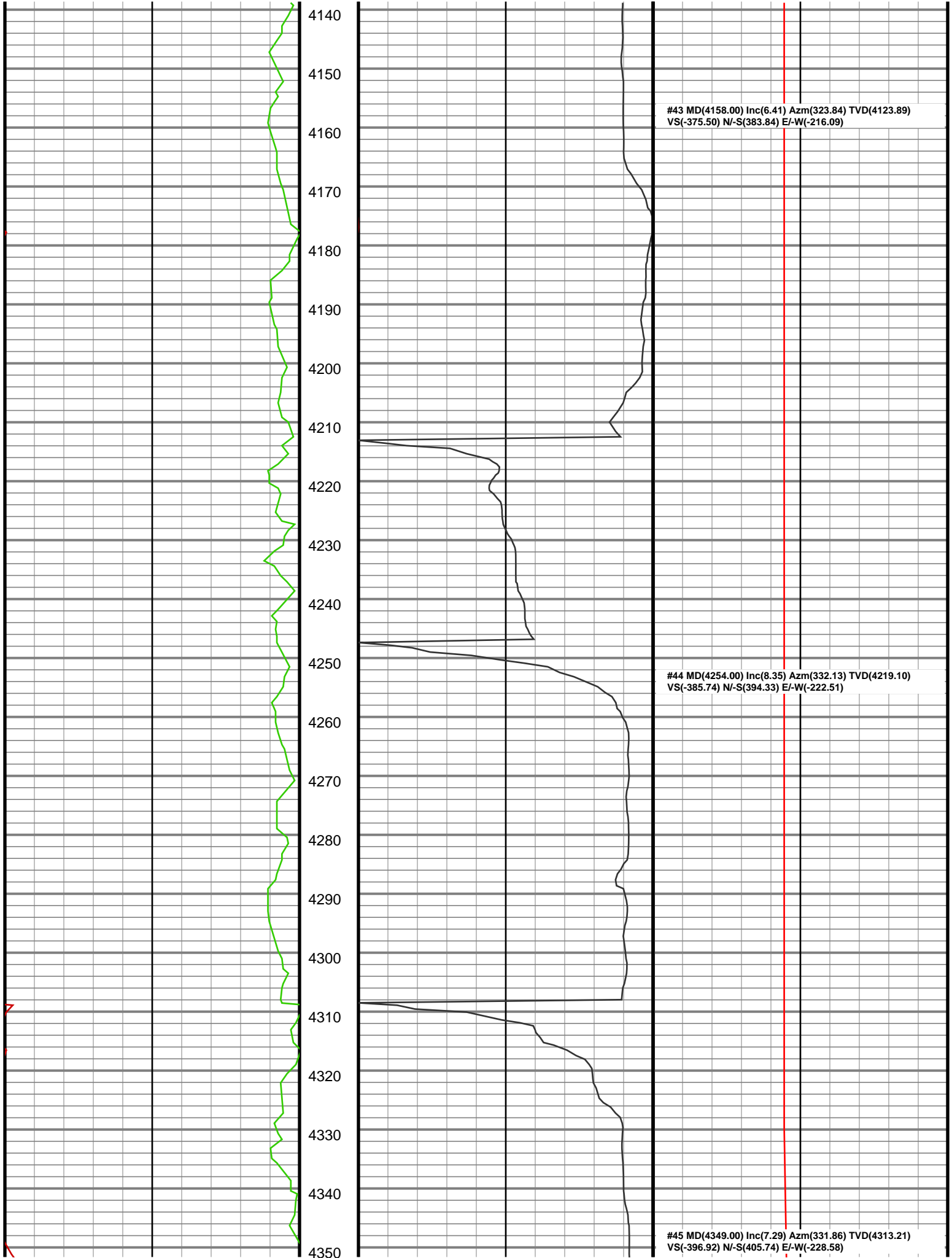
#33 MD(3206.00) Inc(6.63) Azm(328.65) TVD(3180.30)
VS(-275.41) N/-S(280.98) E/-W(-143.88)

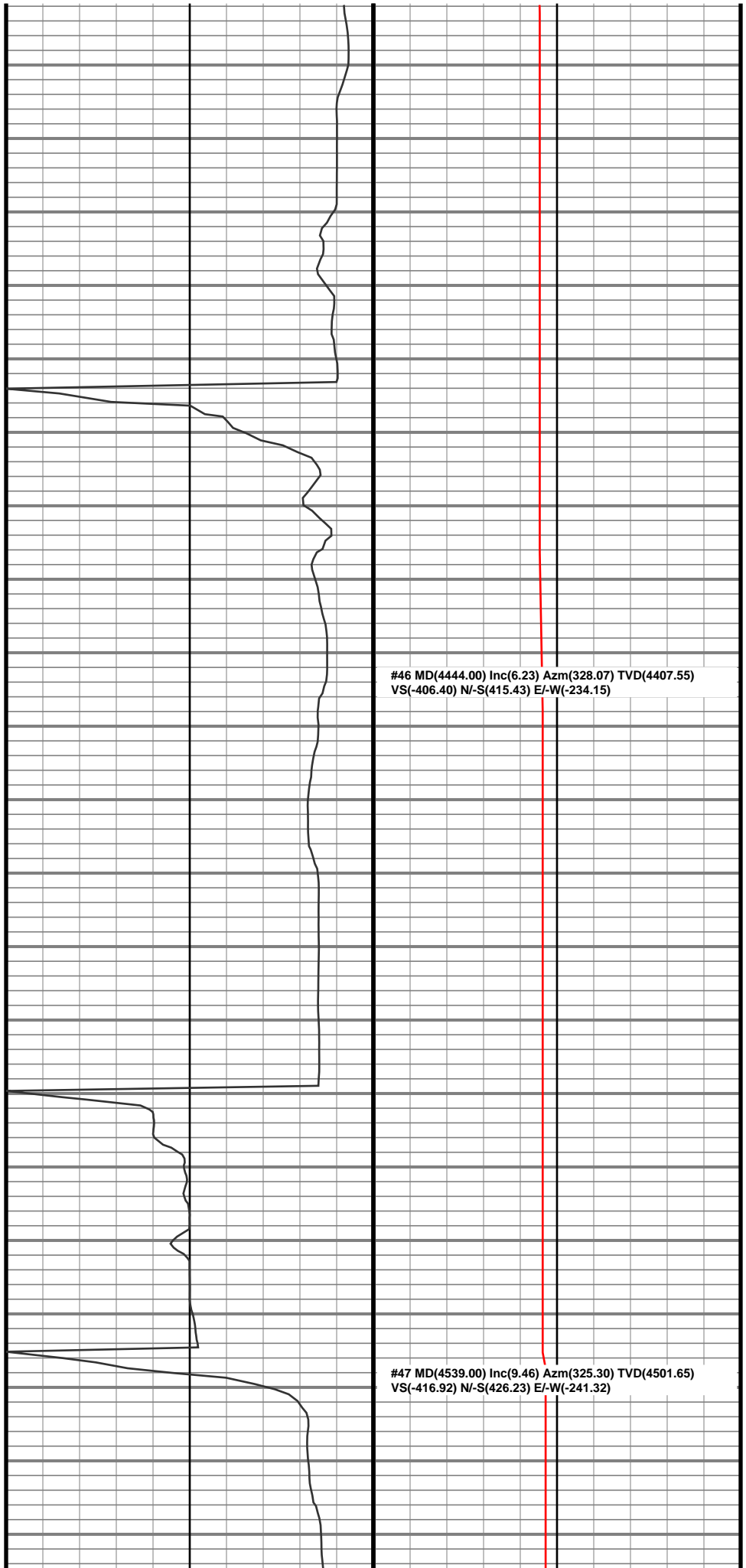
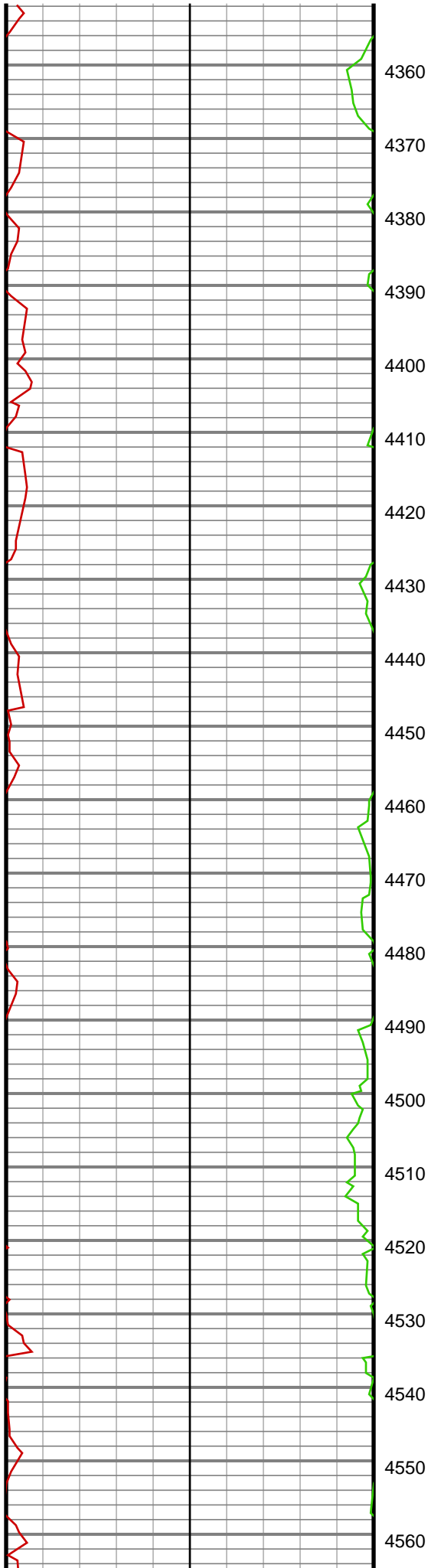


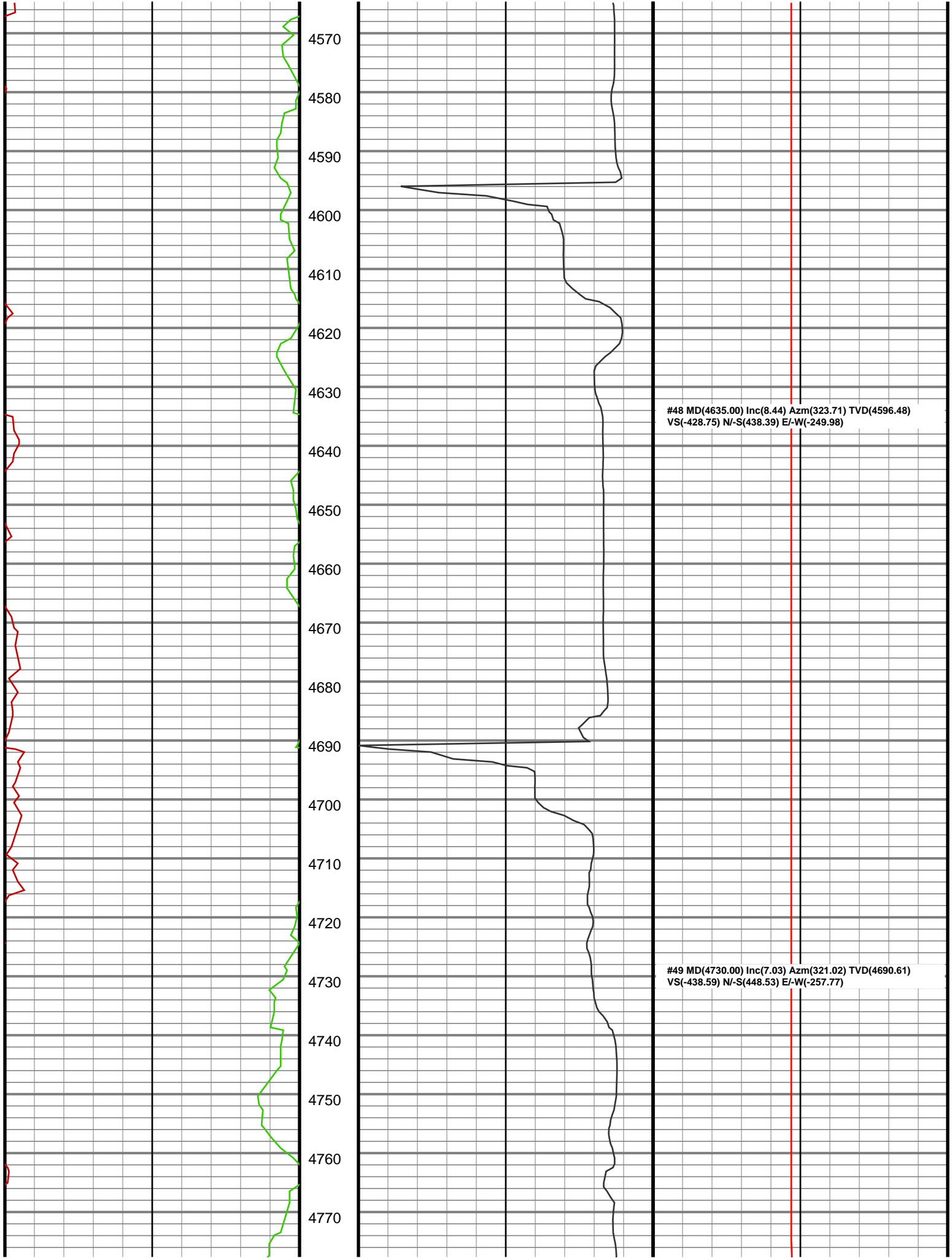


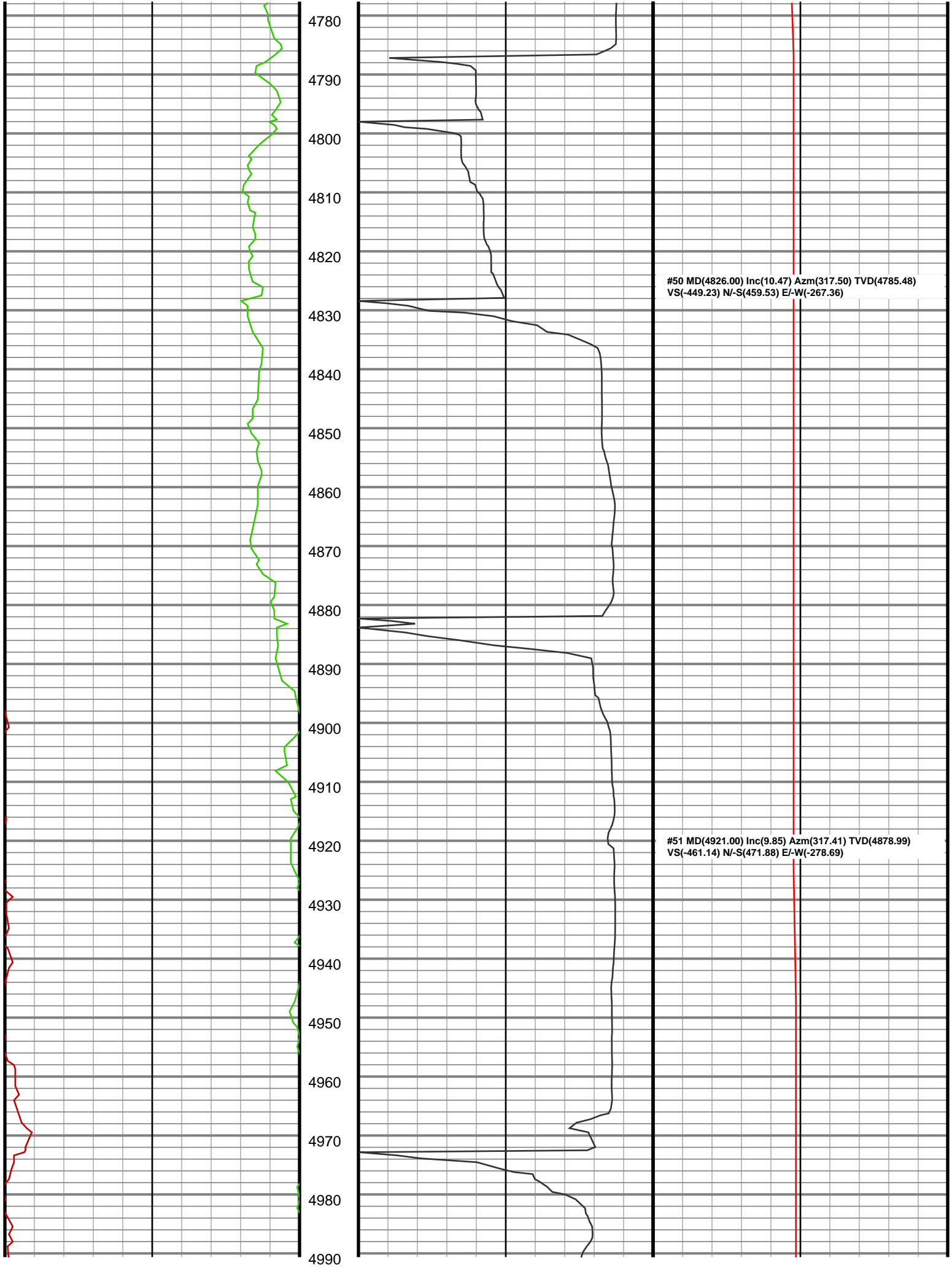


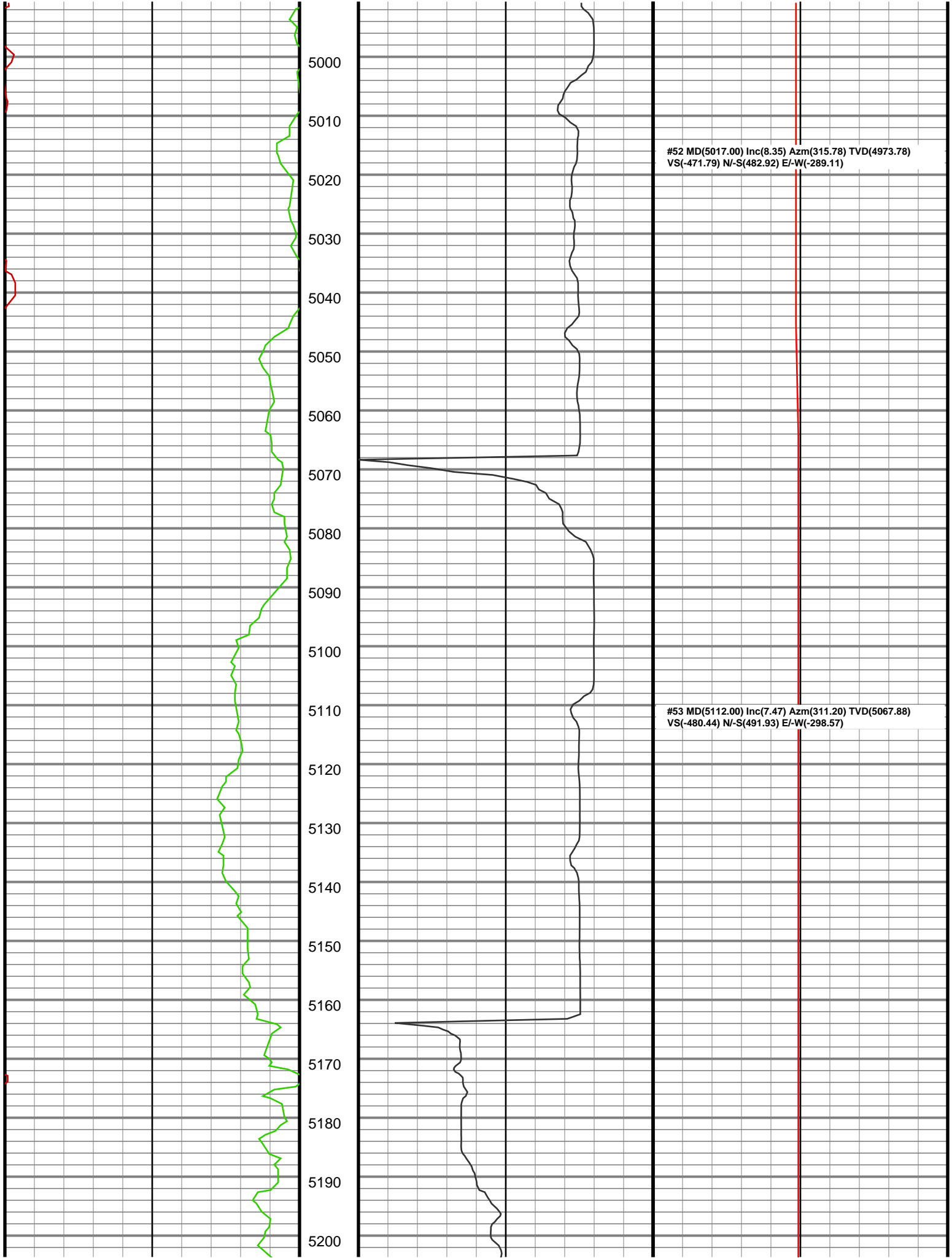


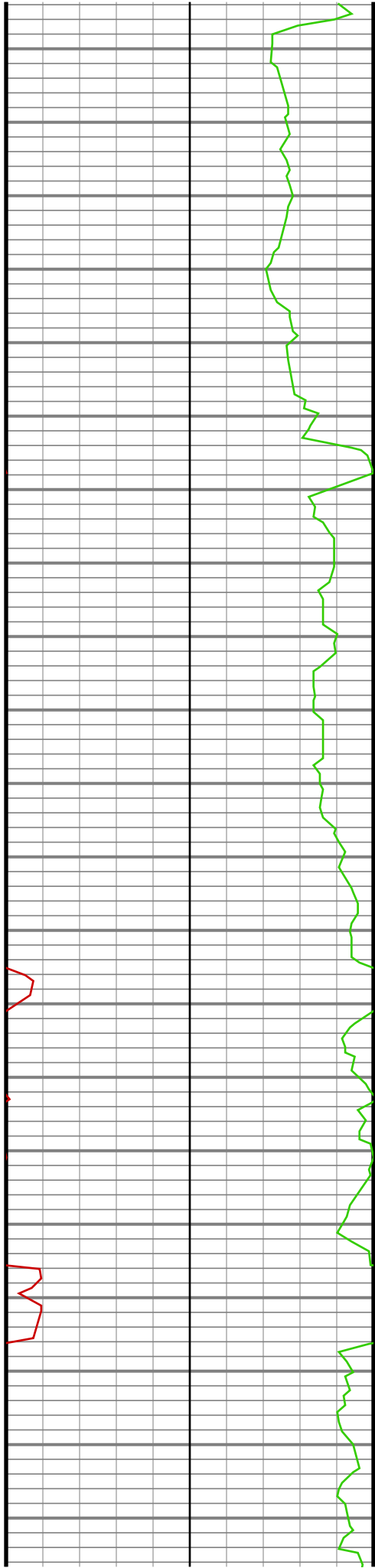




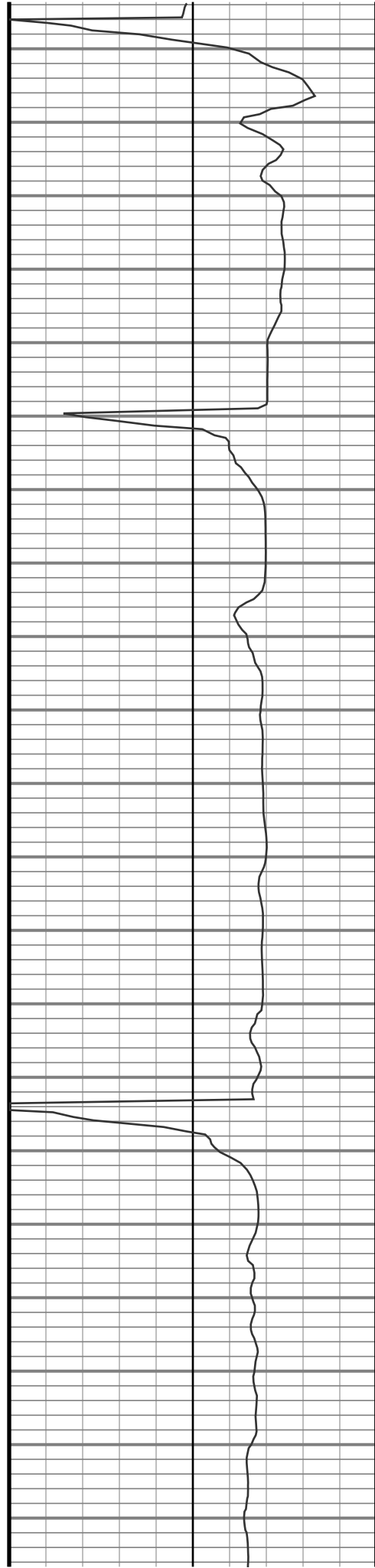








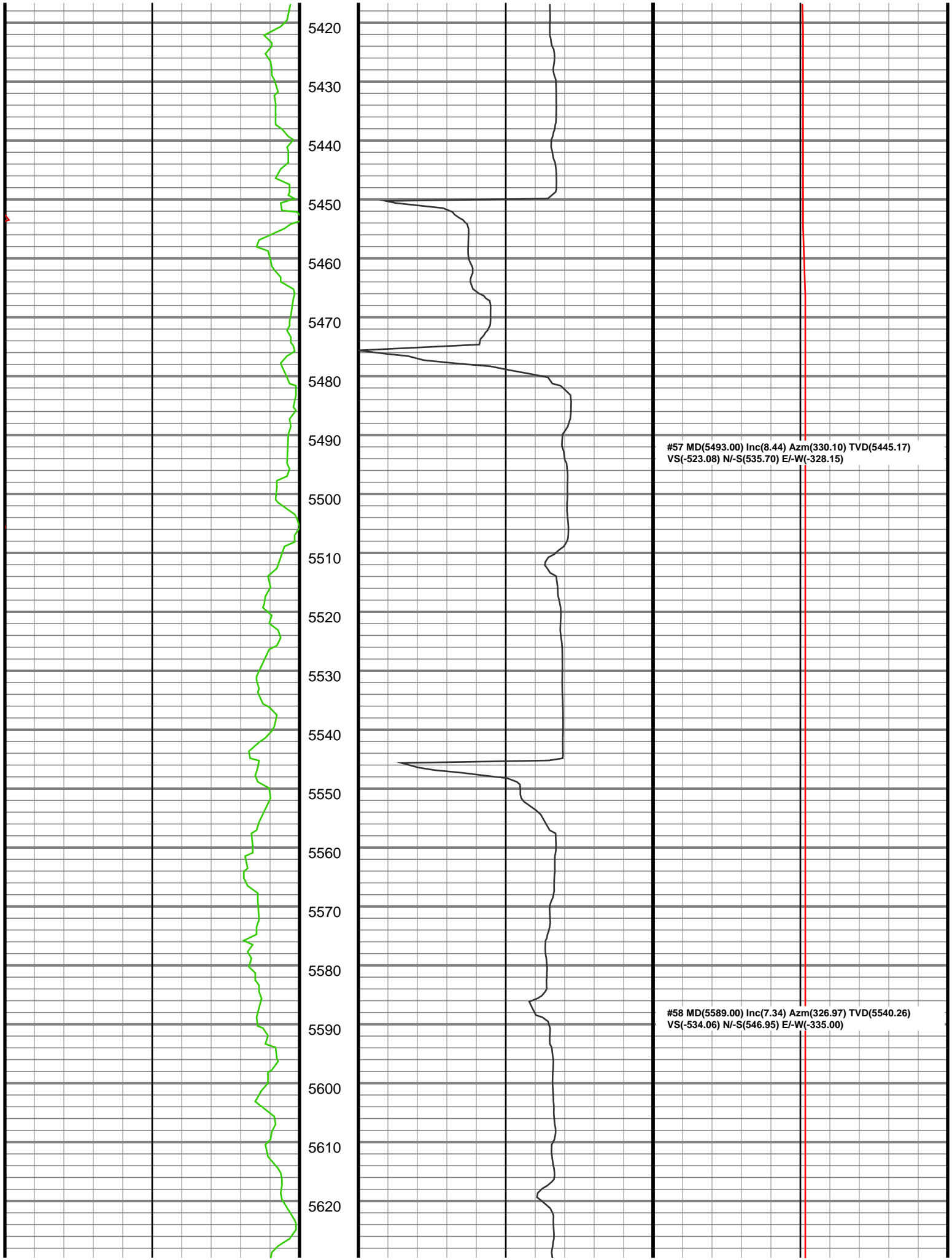
5210
5220
5230
5240
5250
5260
5270
5280
5290
5300
5310
5320
5330
5340
5350
5360
5370
5380
5390
5400
5410

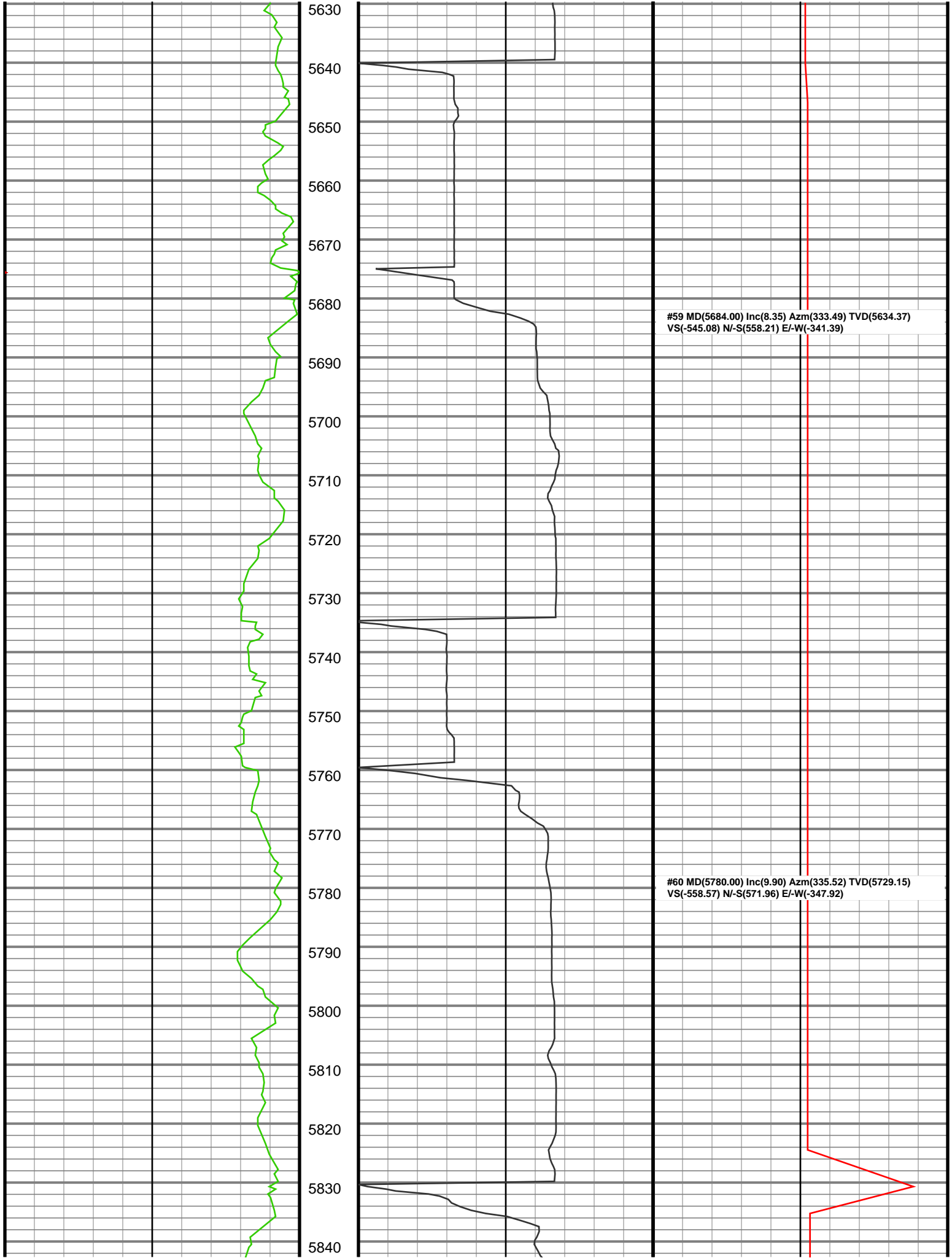


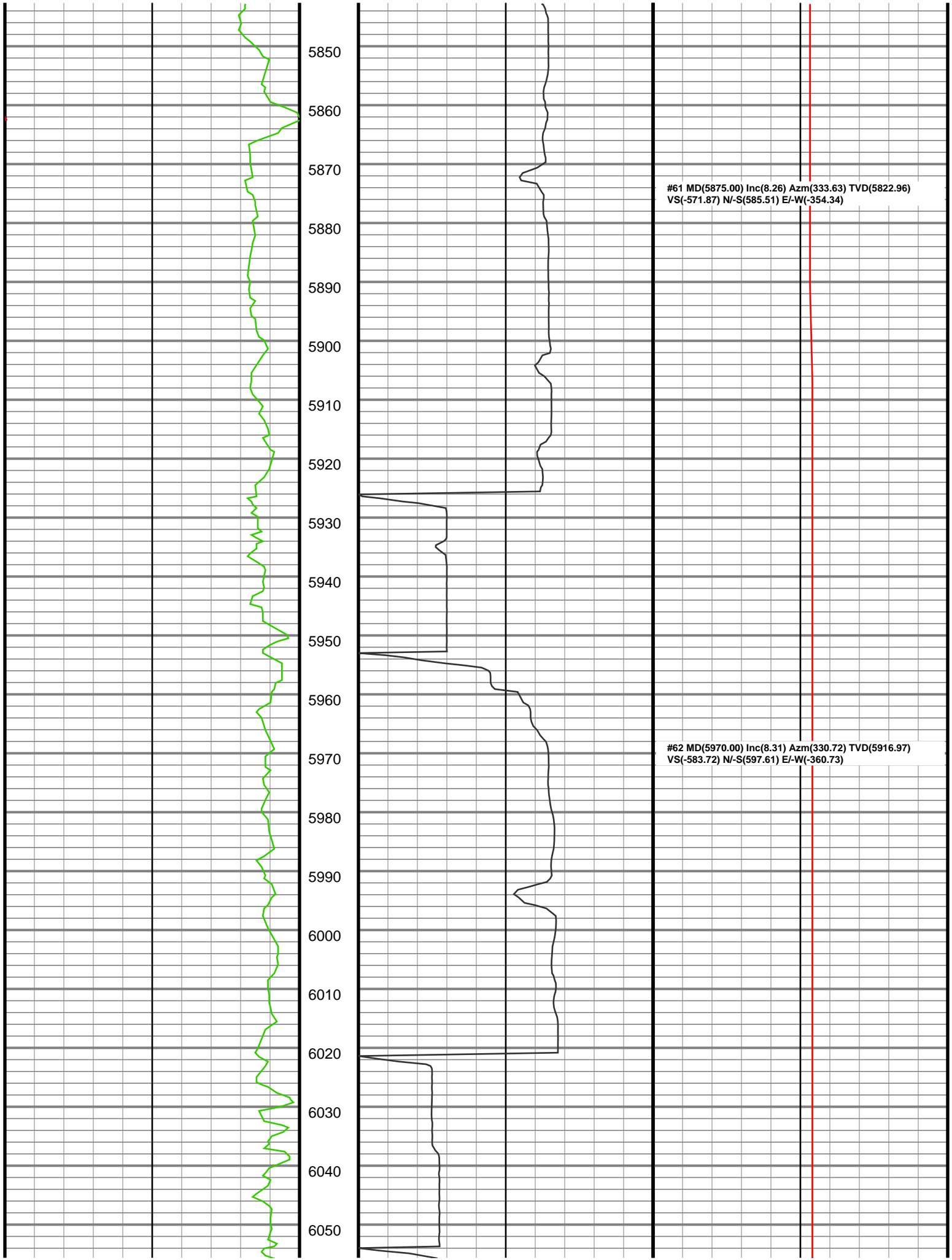
#54 MD(5208.00) Inc(8.26) Azm(328.29) TVD(5162.99)
VS(-490.10) N/-S(501.91) E/-W(-306.89)

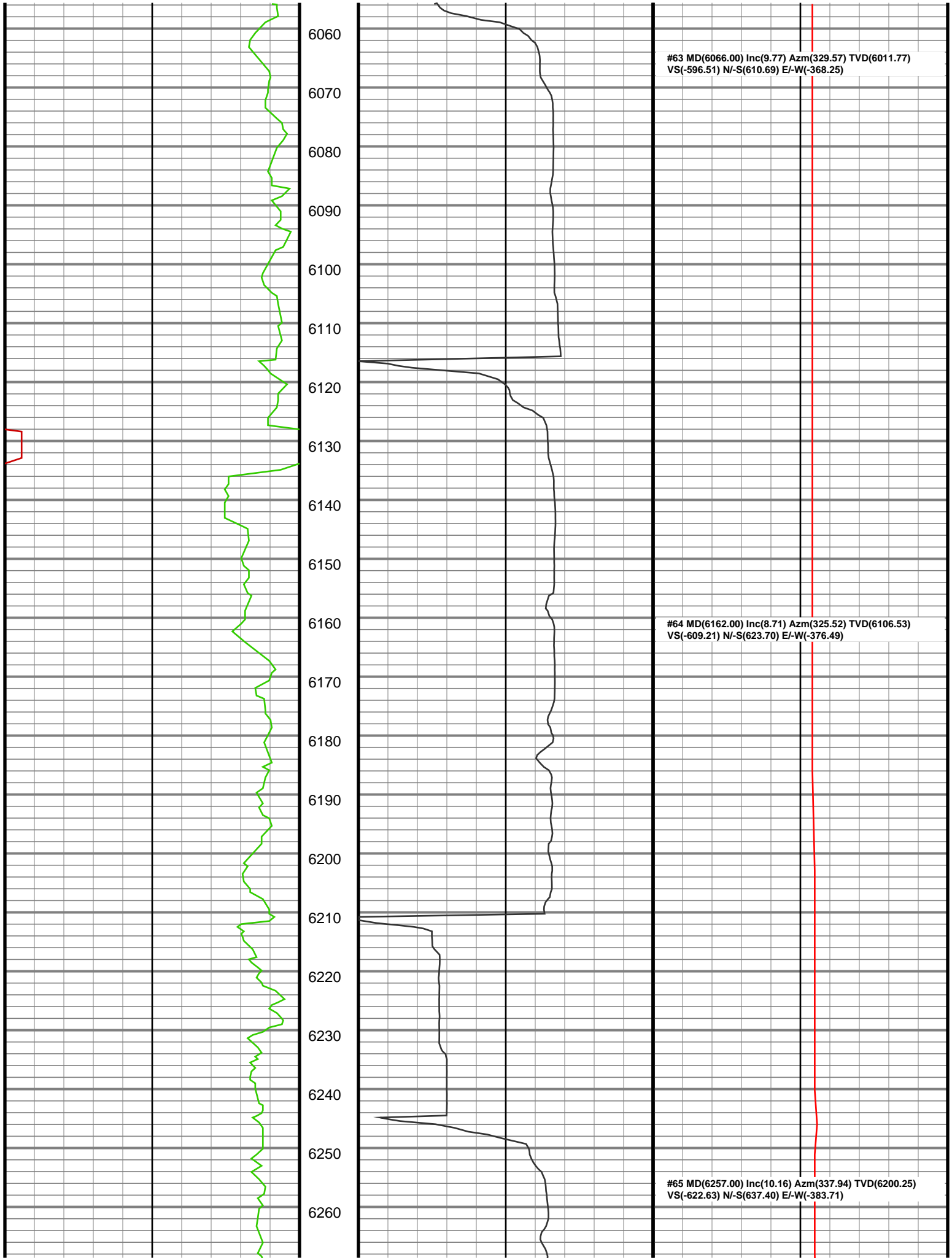
#55 MD(5302.00) Inc(8.48) Azm(327.59) TVD(5255.98)
VS(-501.42) N/-S(513.51) E/-W(-314.15)

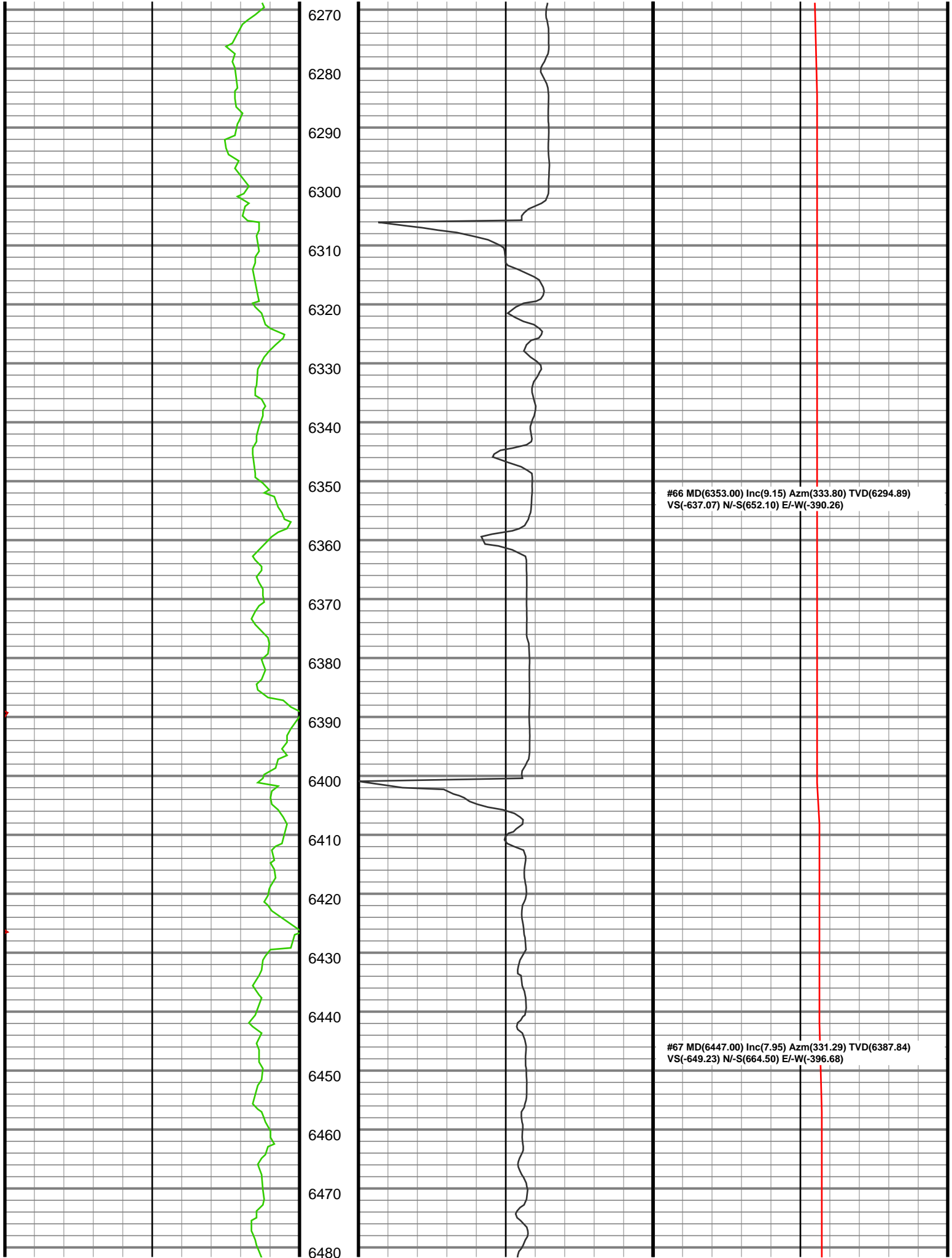
#56 MD(5398.00) Inc(7.34) Azm(326.53) TVD(5351.07)
VS(-512.23) N/-S(524.60) E/-W(-321.33)

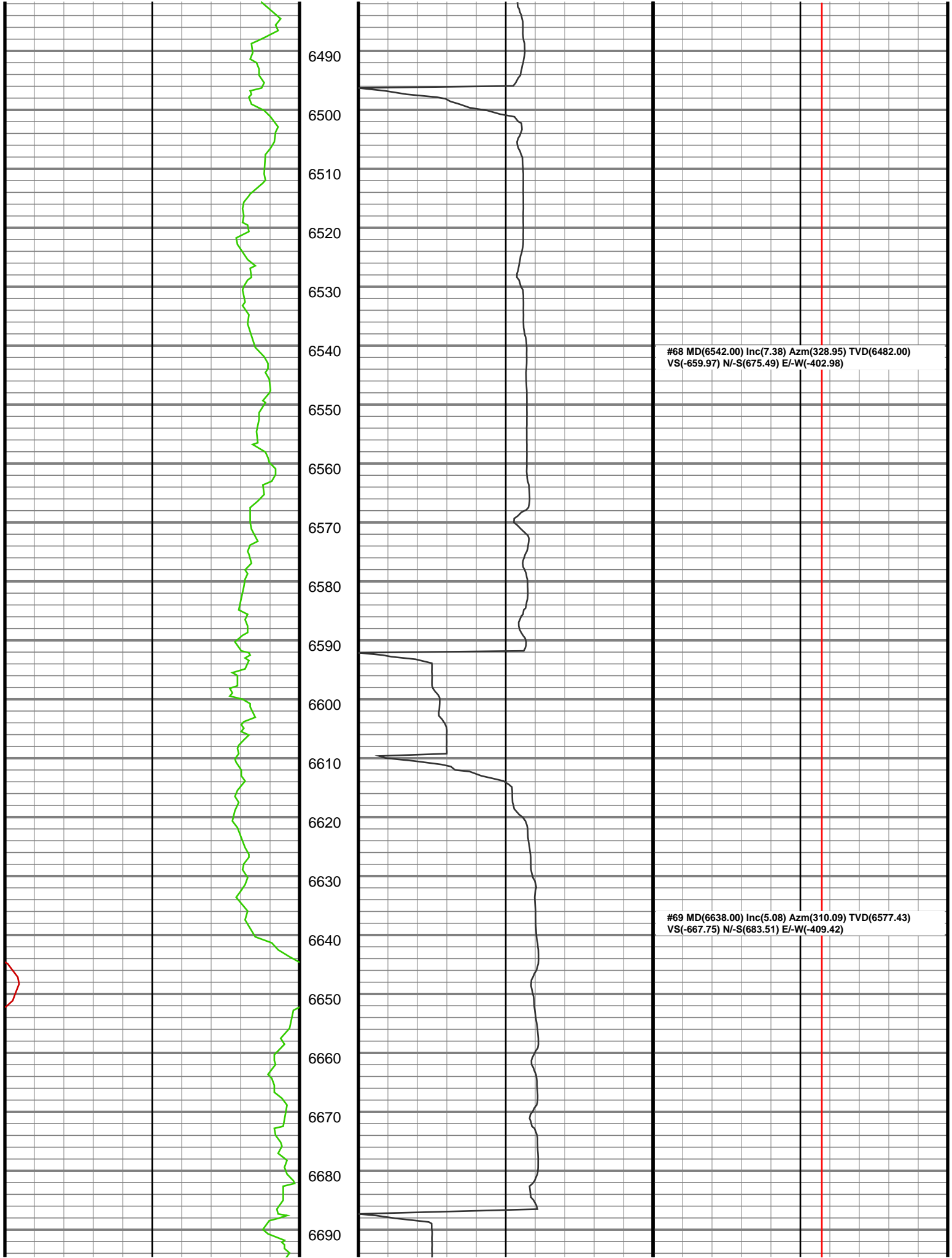


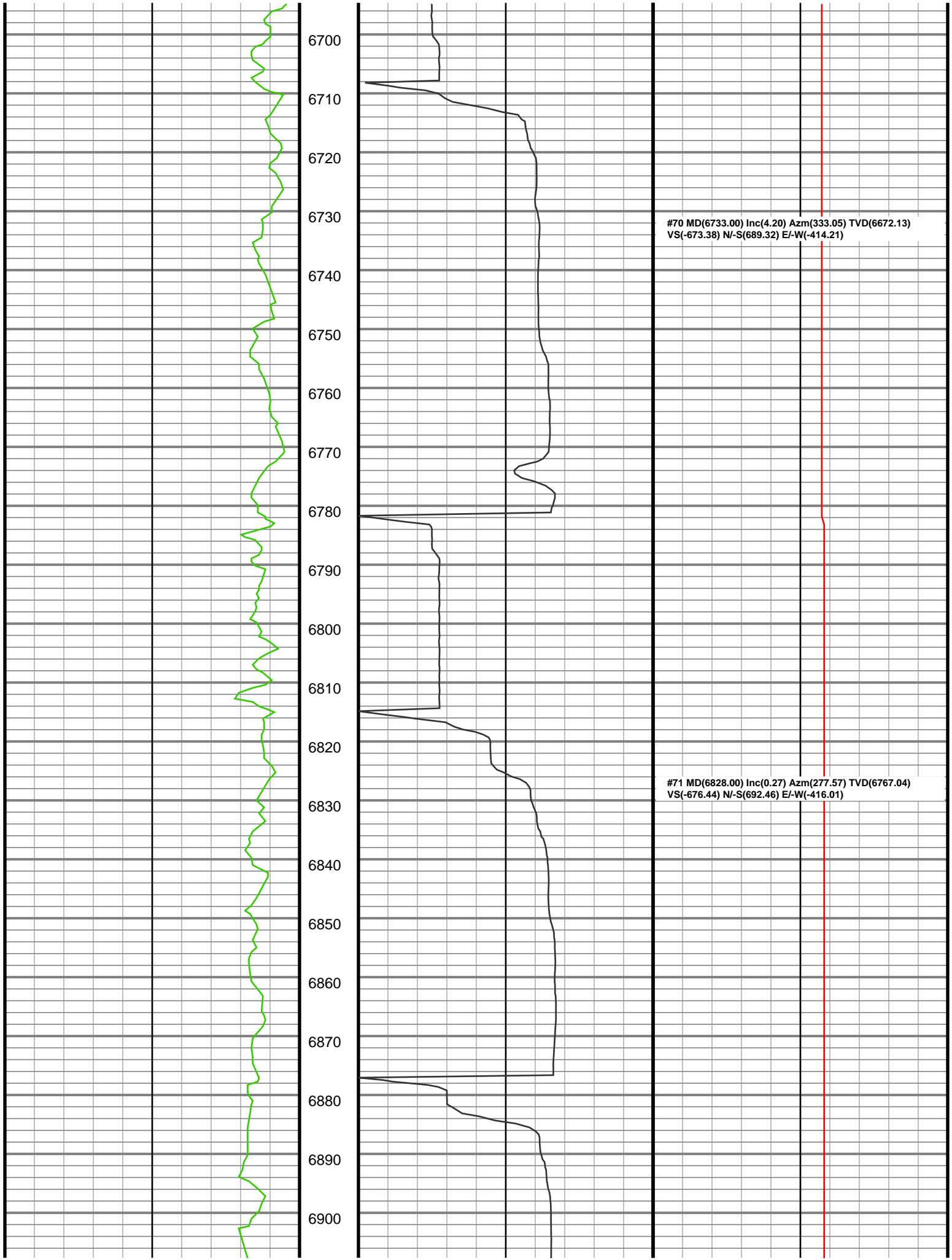


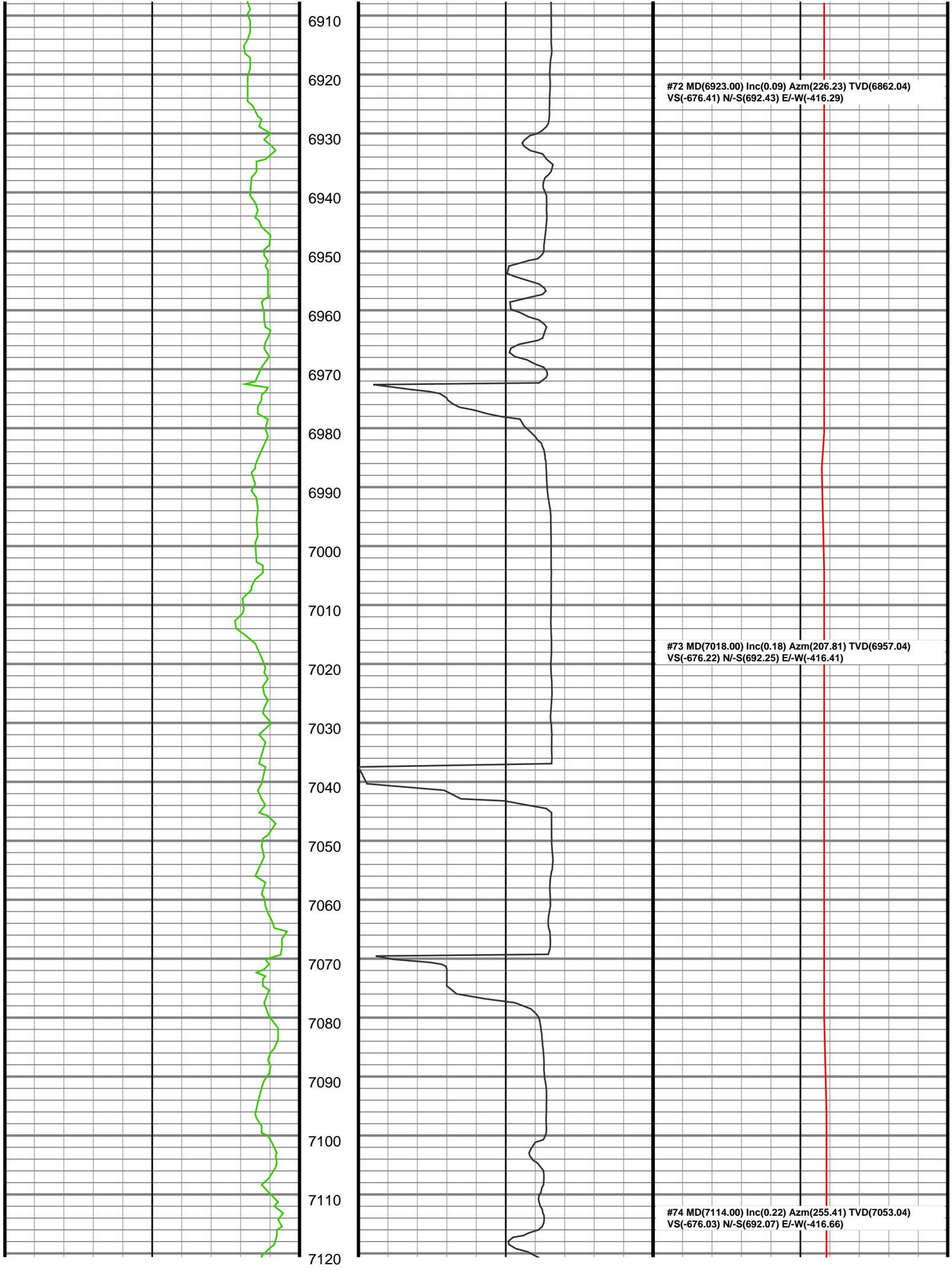


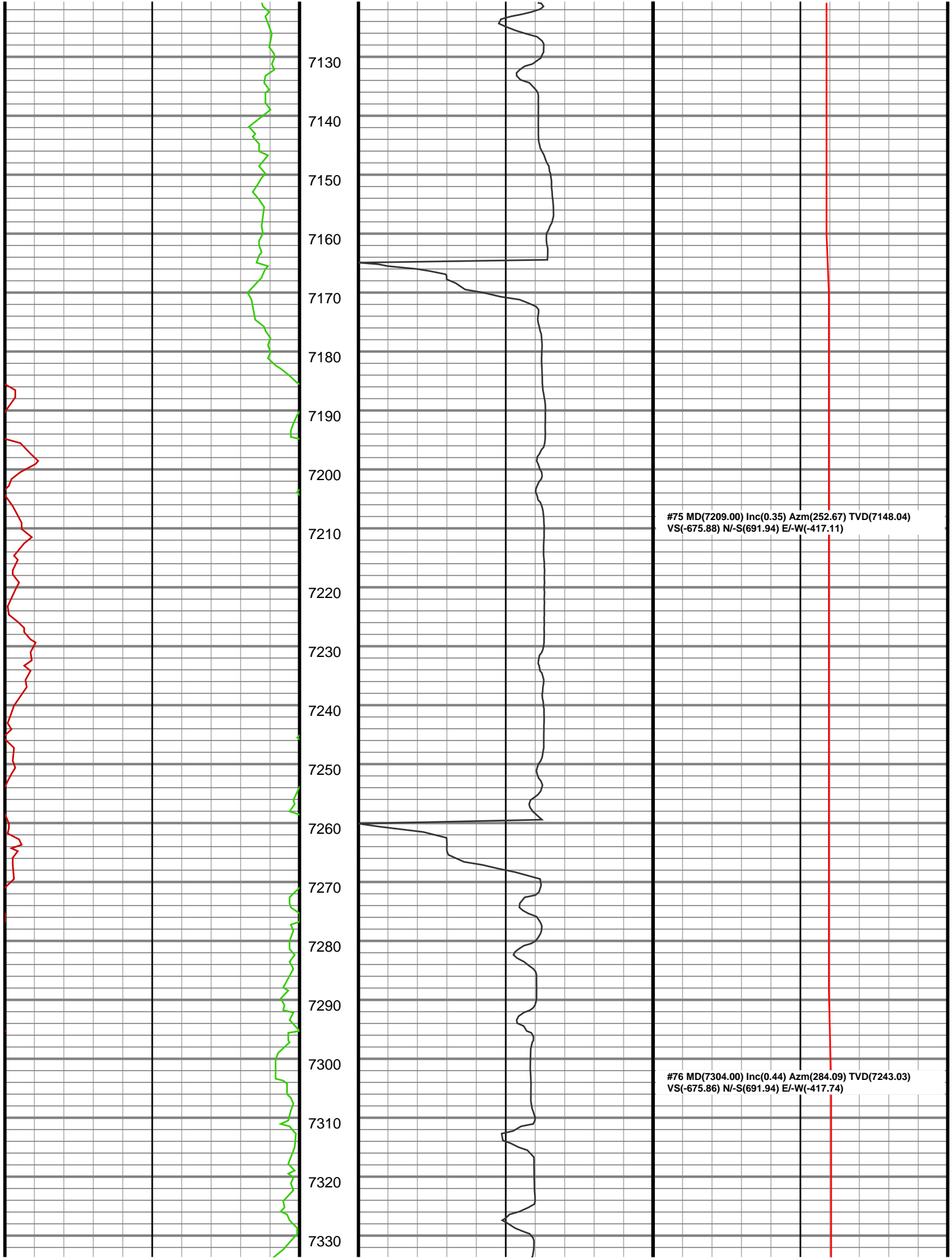


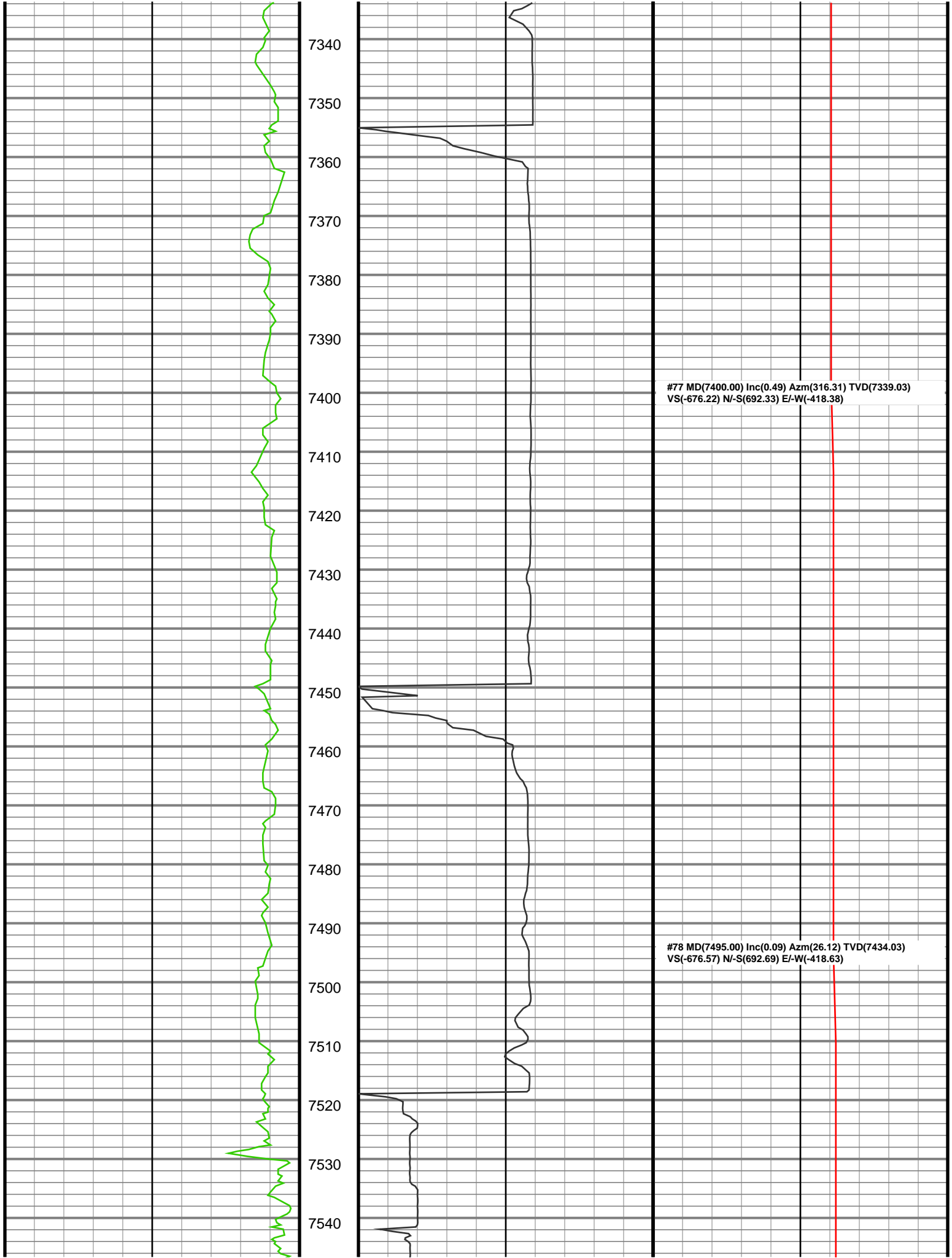


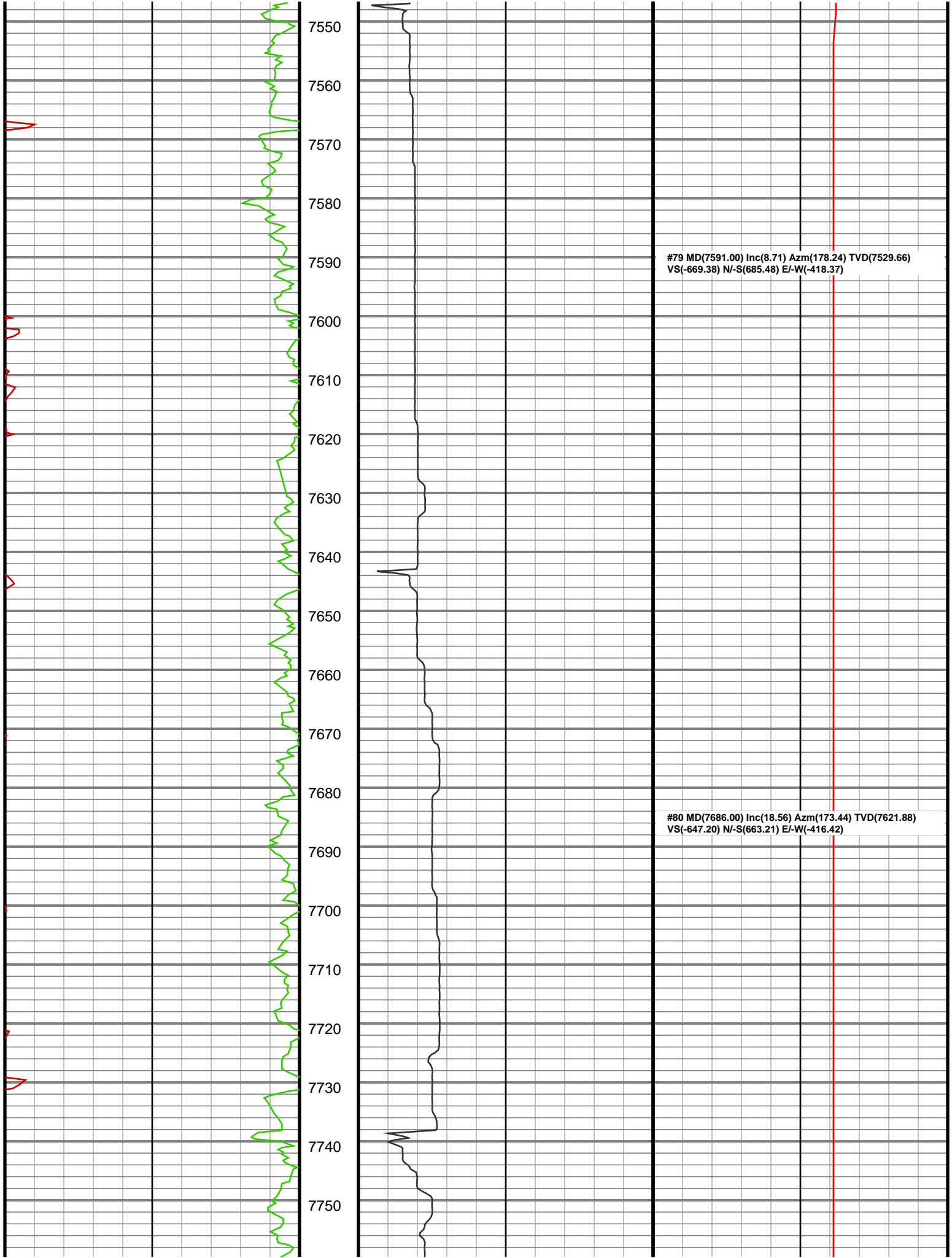


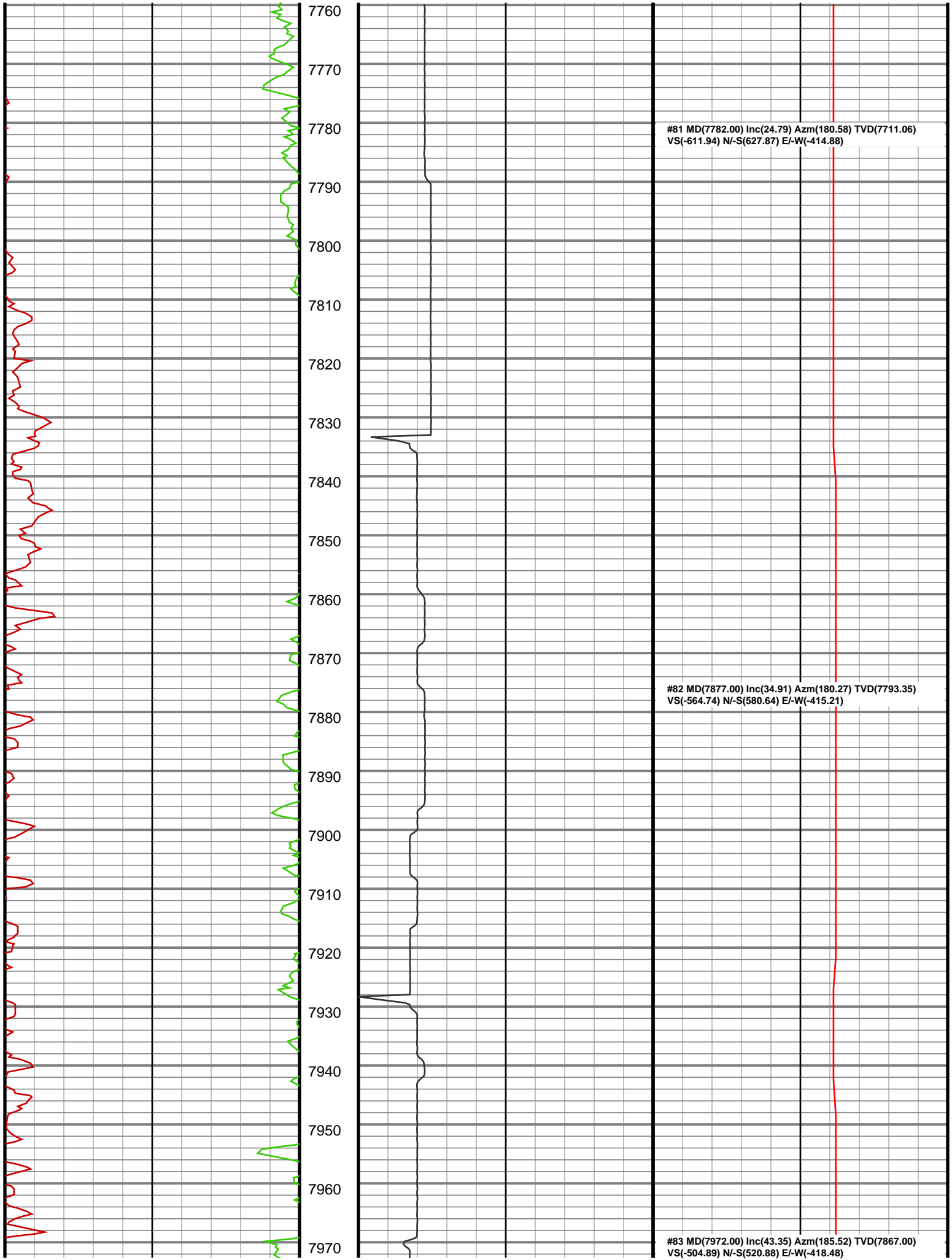


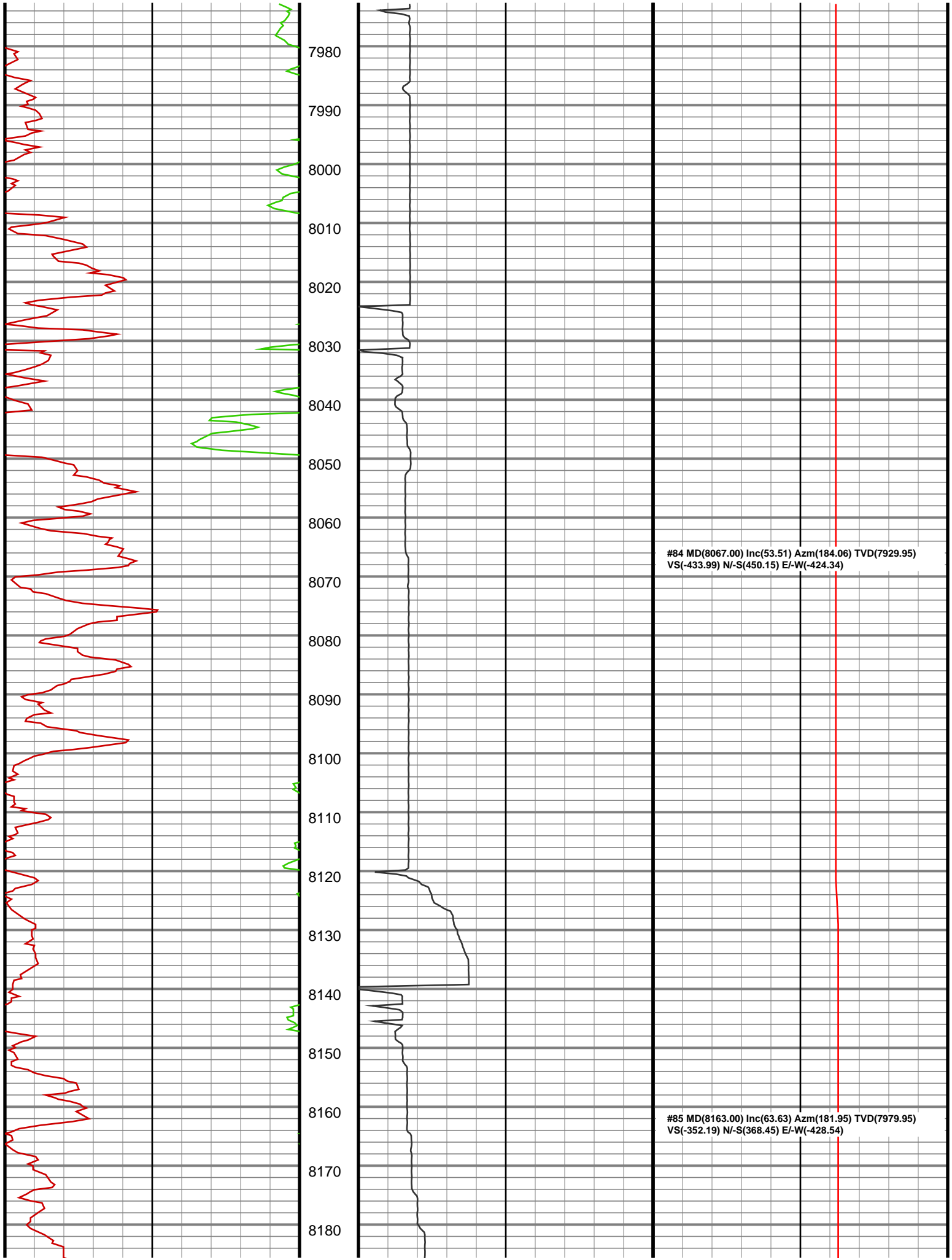


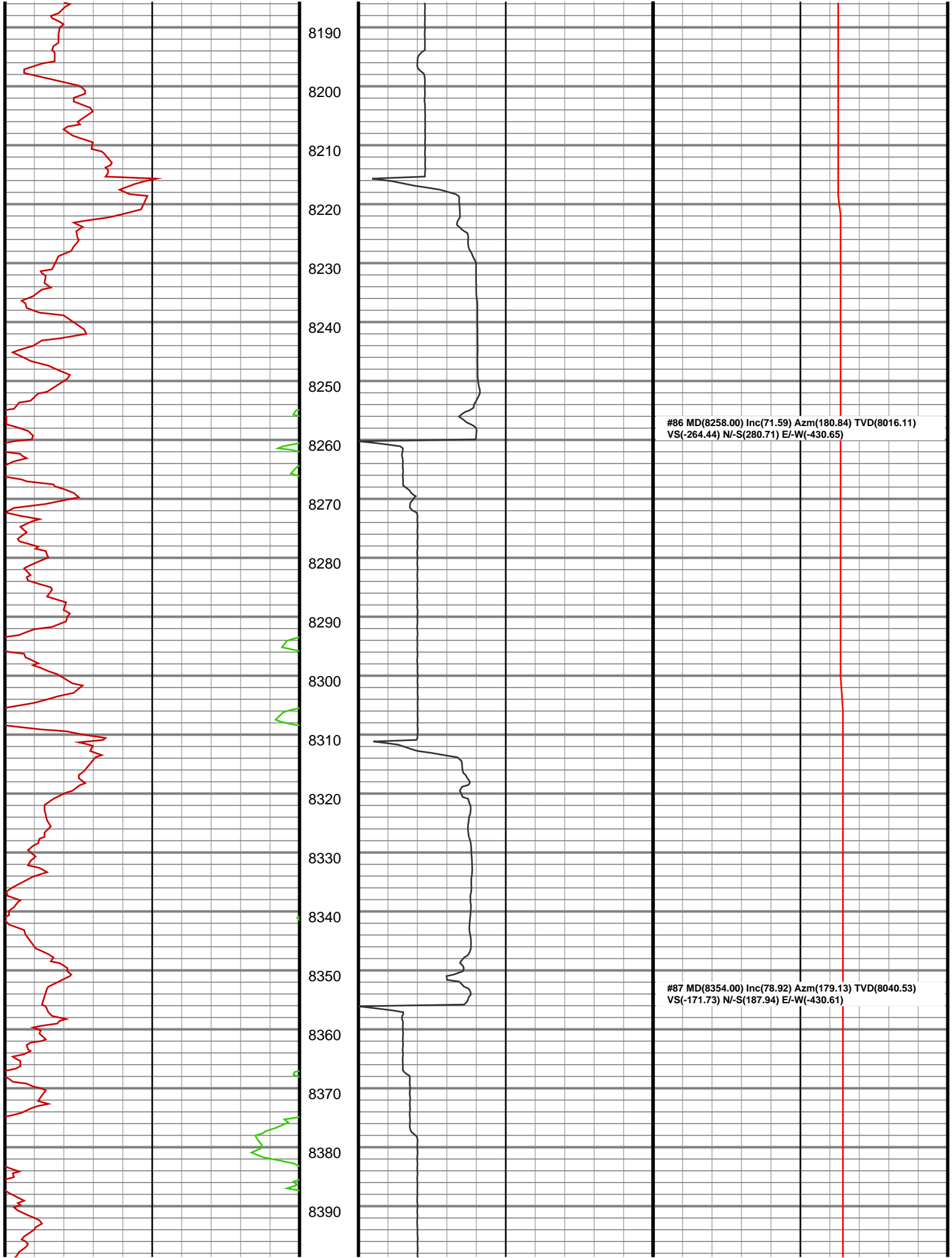


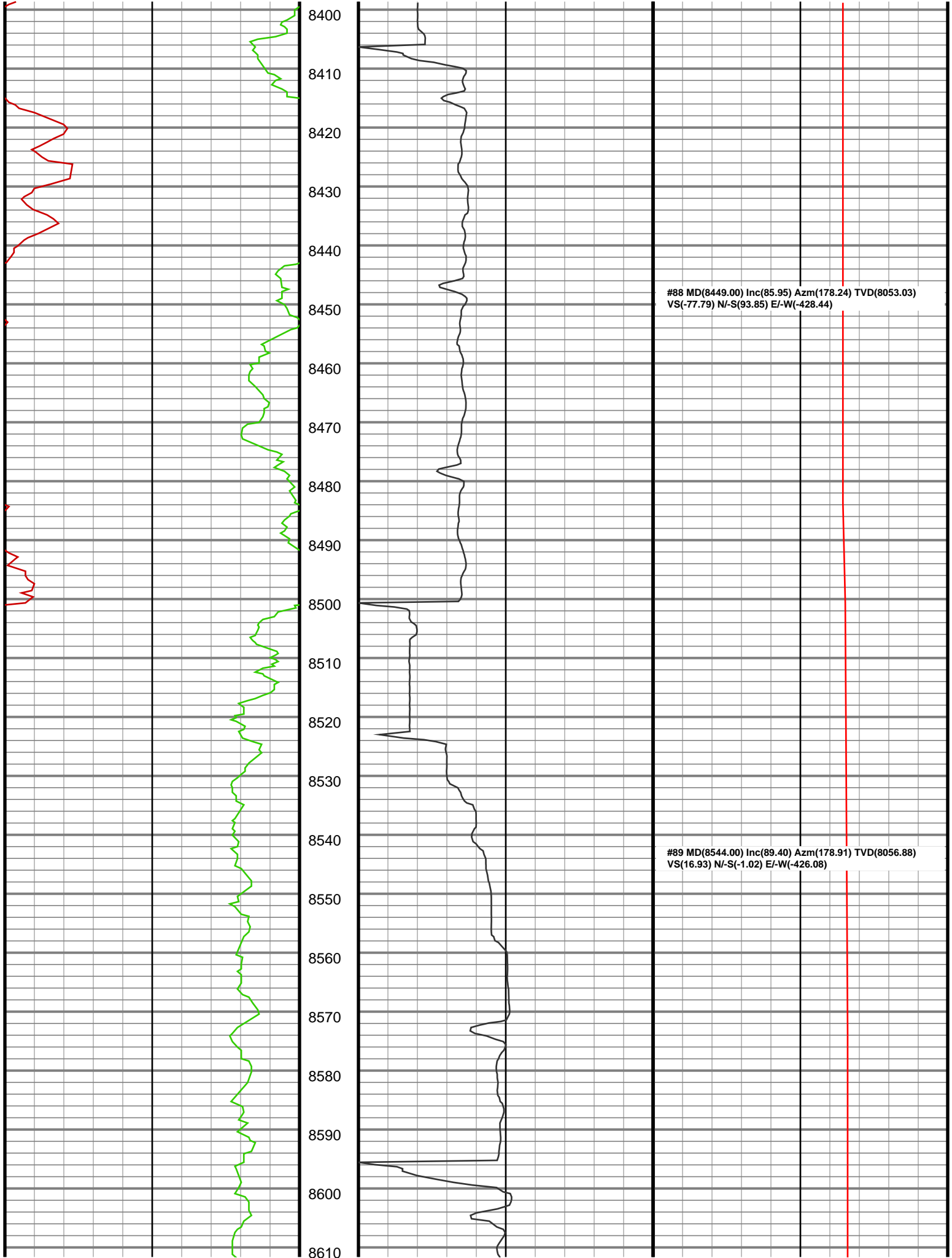


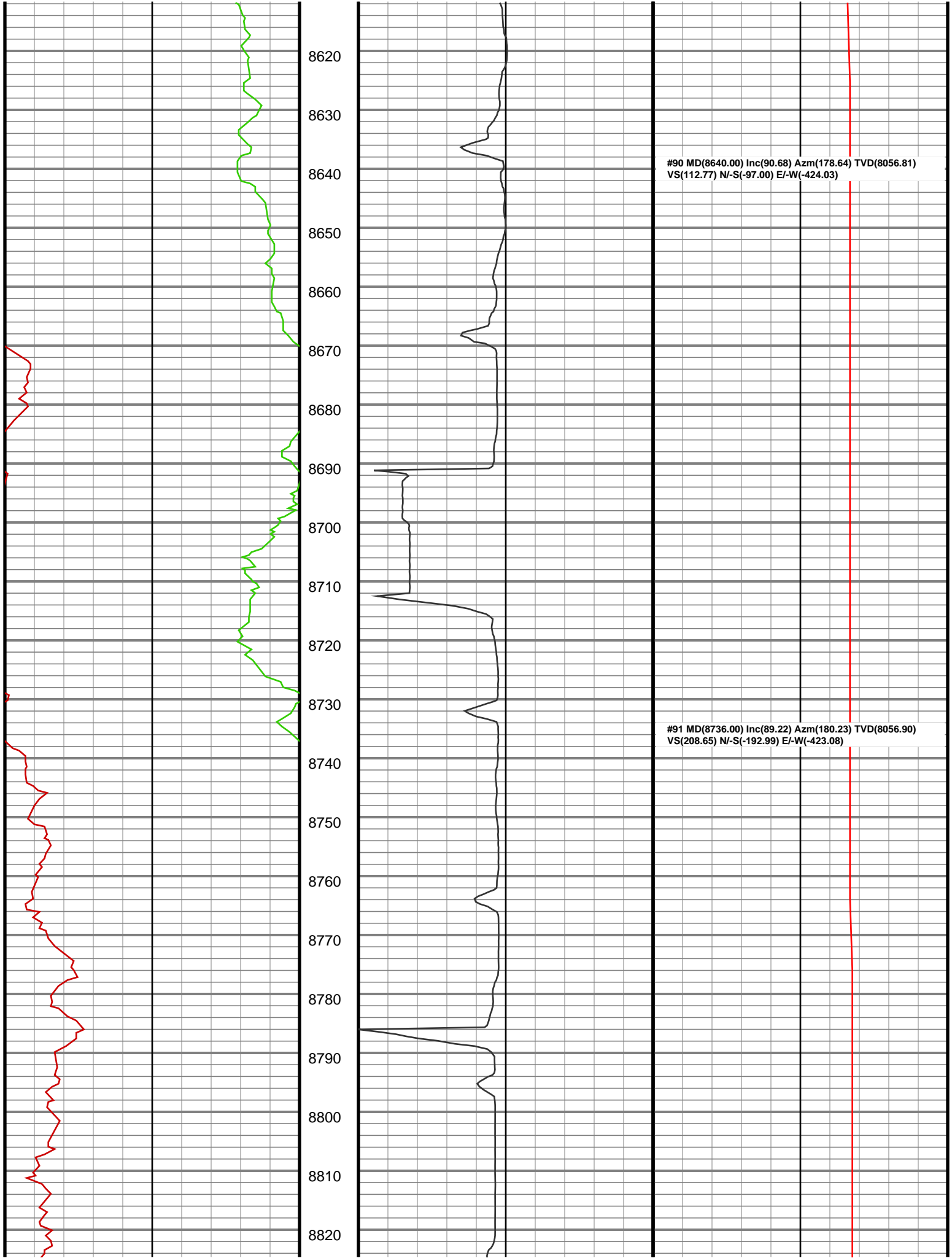


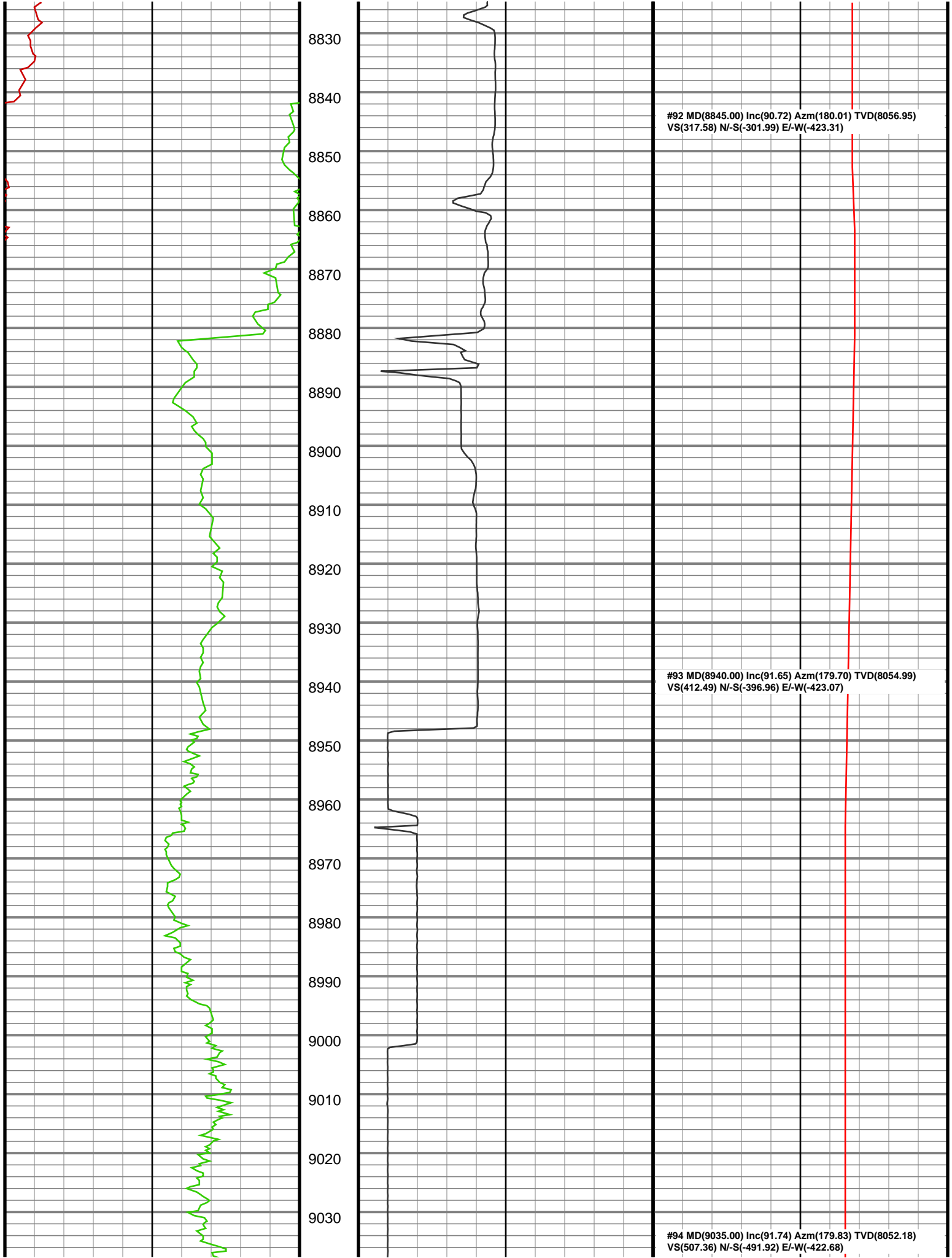


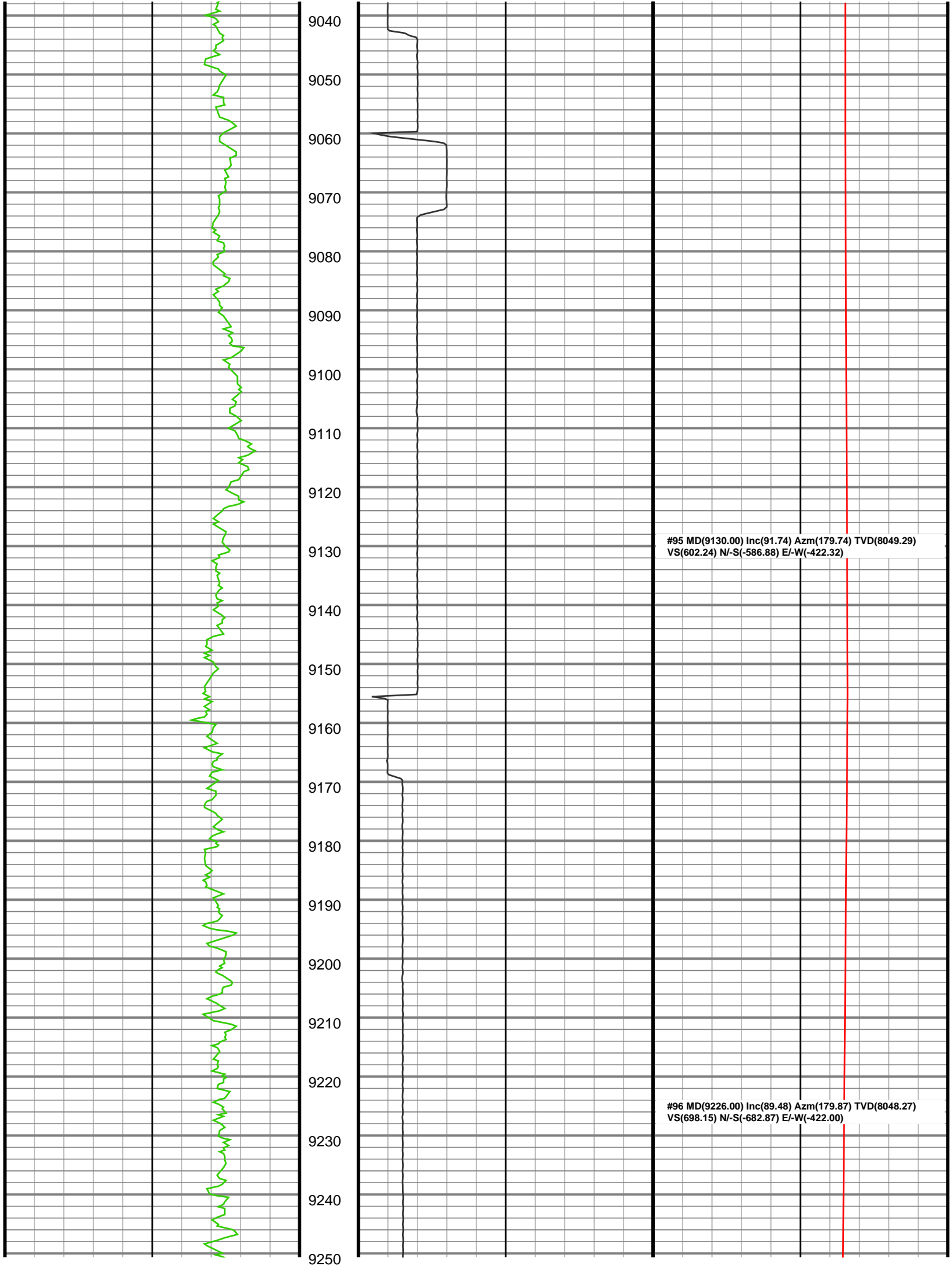


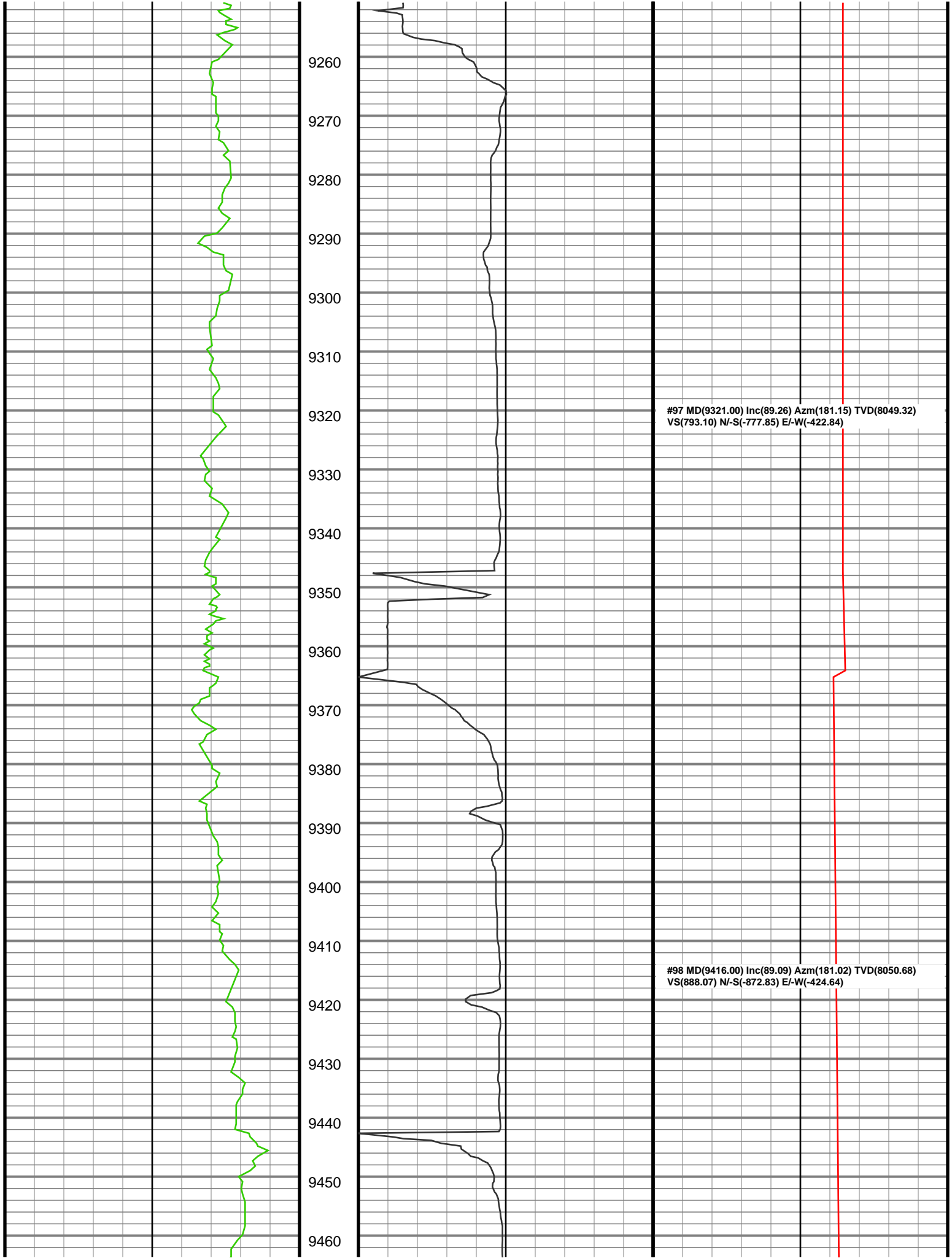


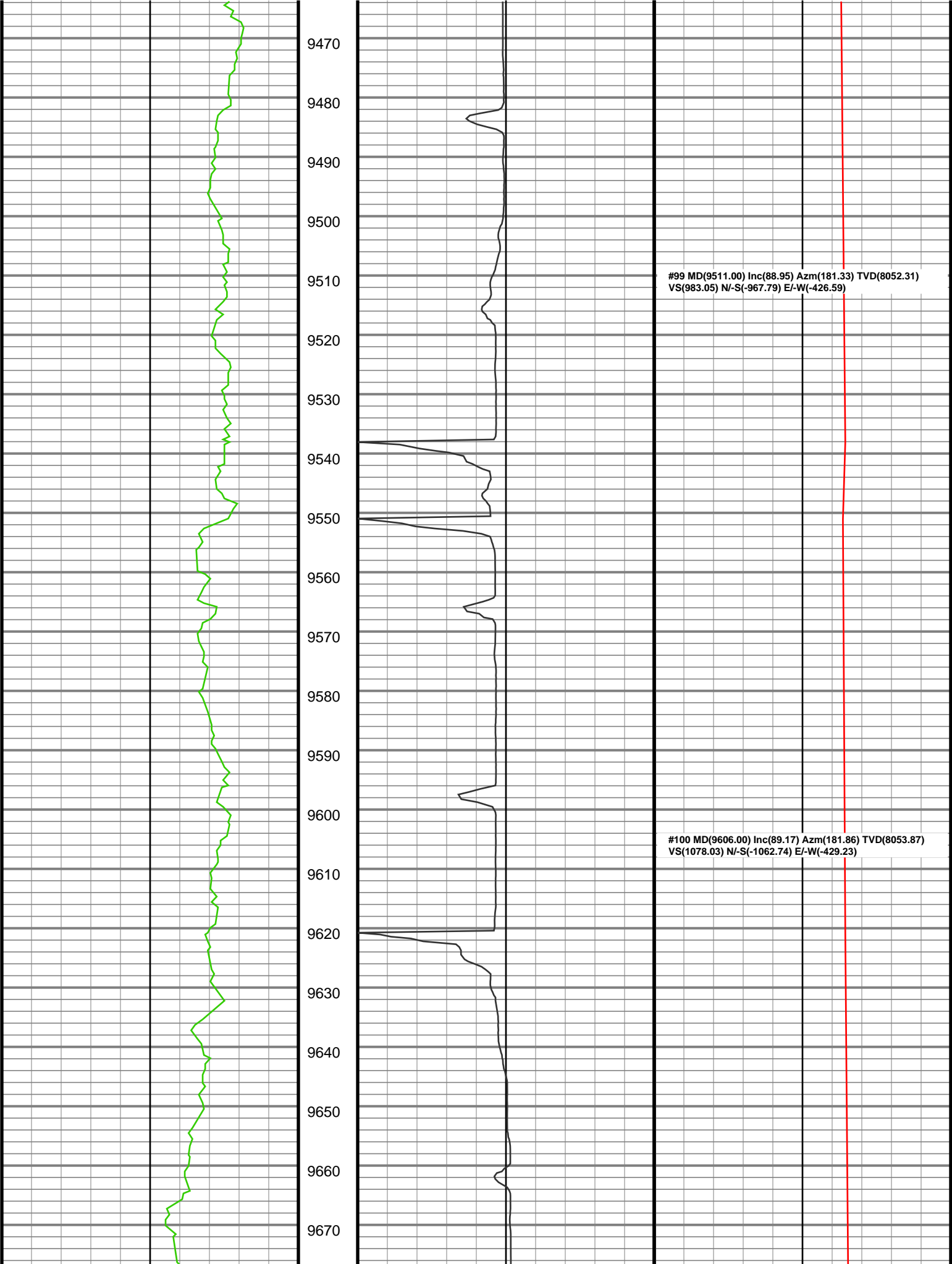


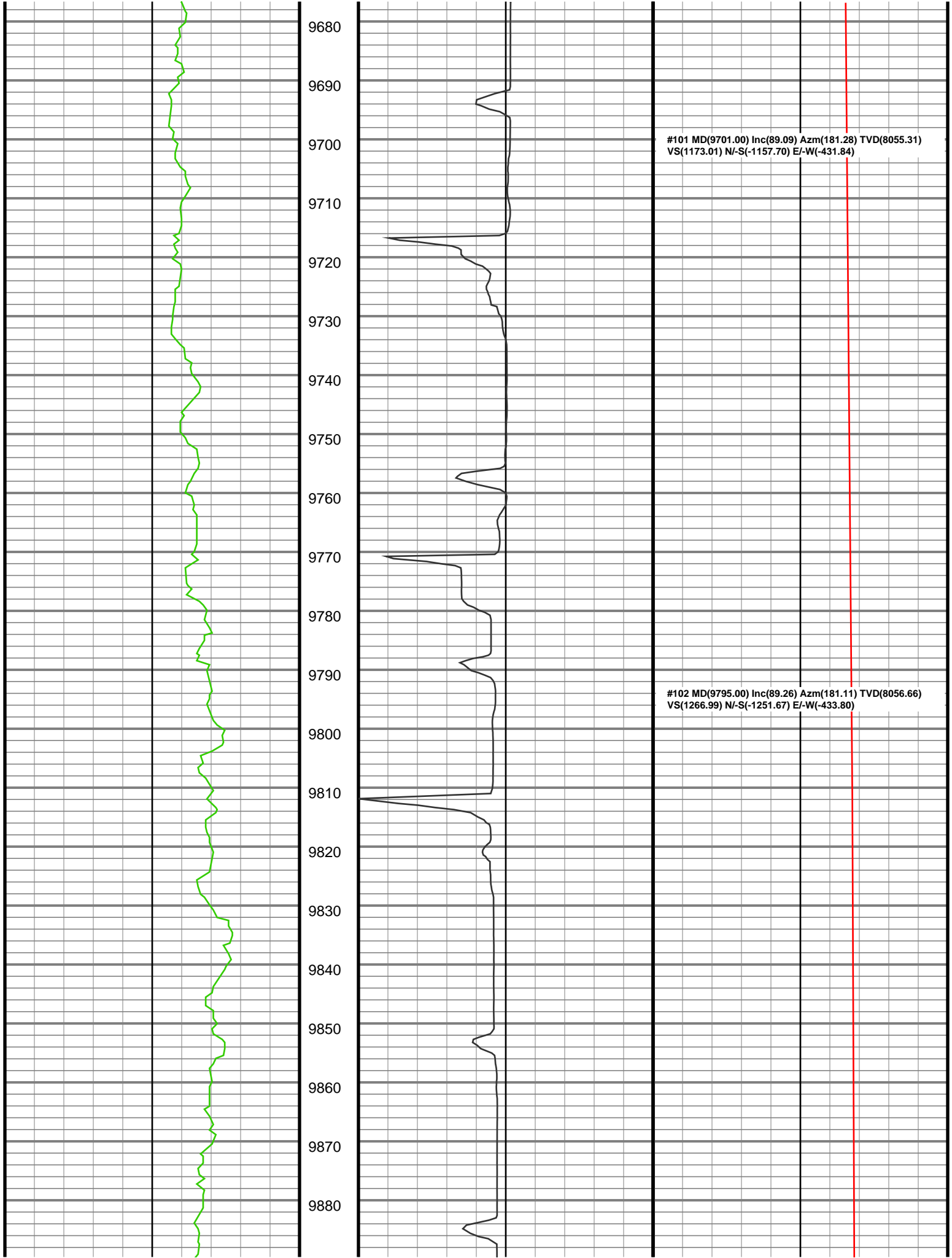


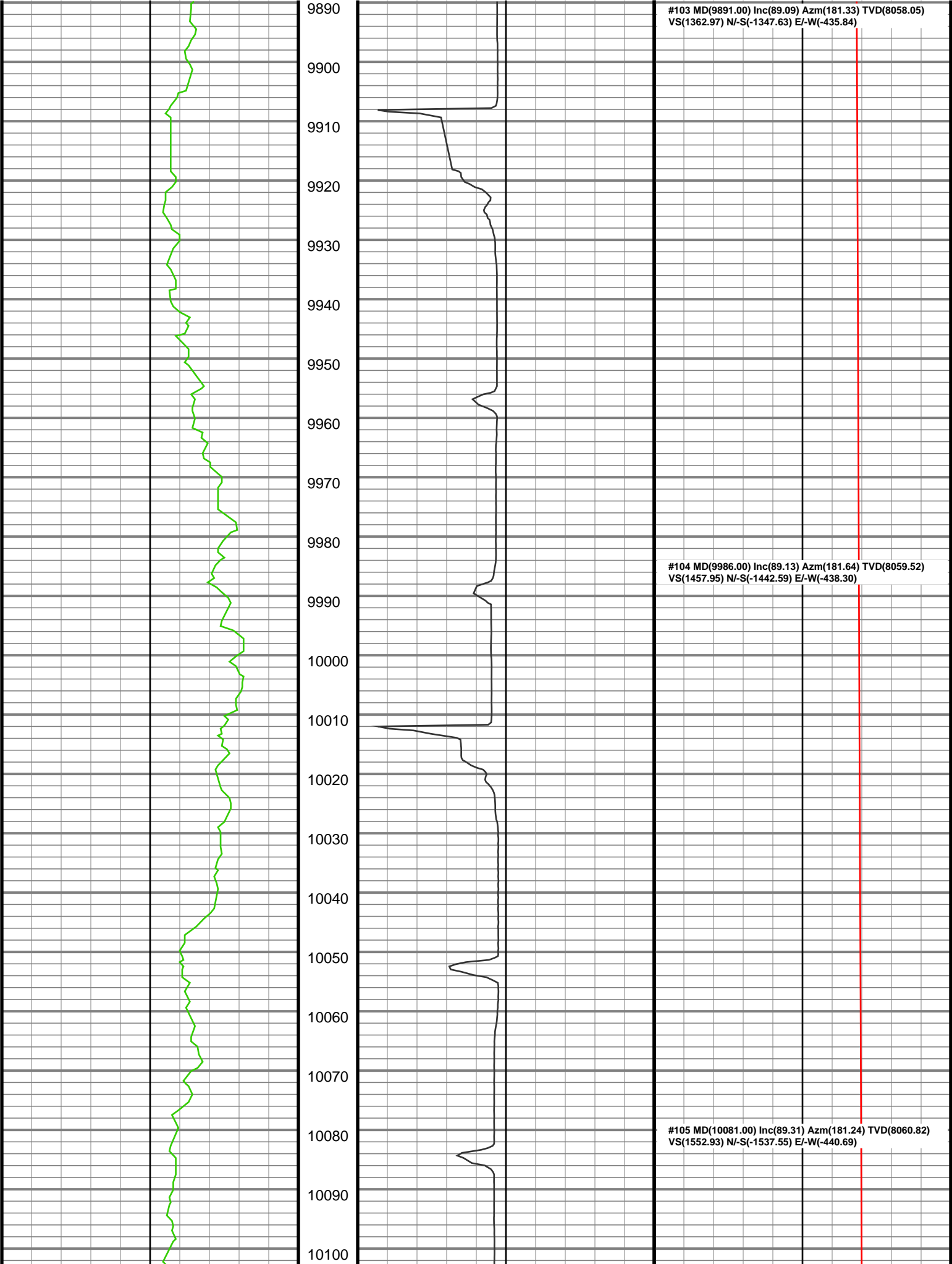


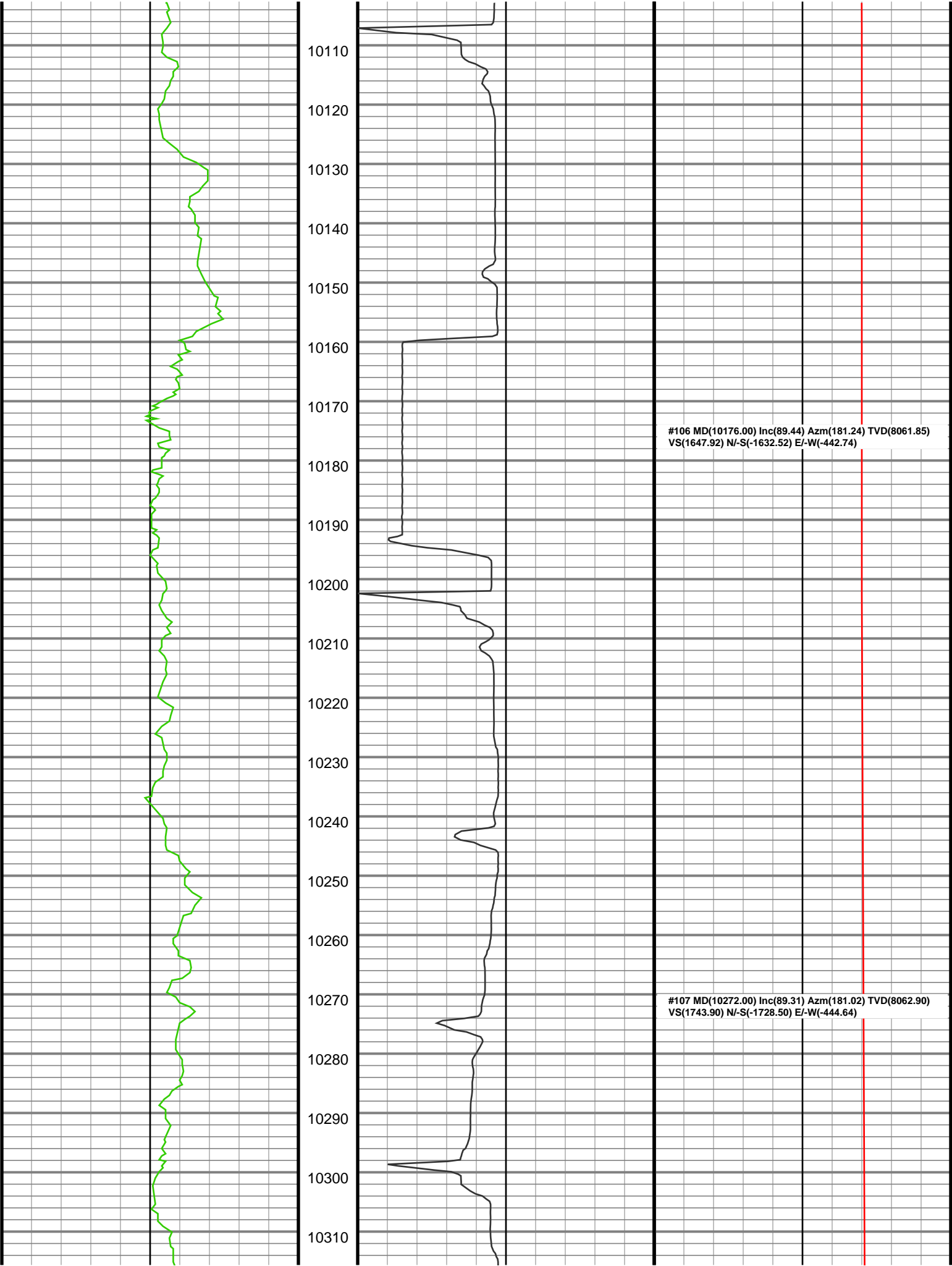


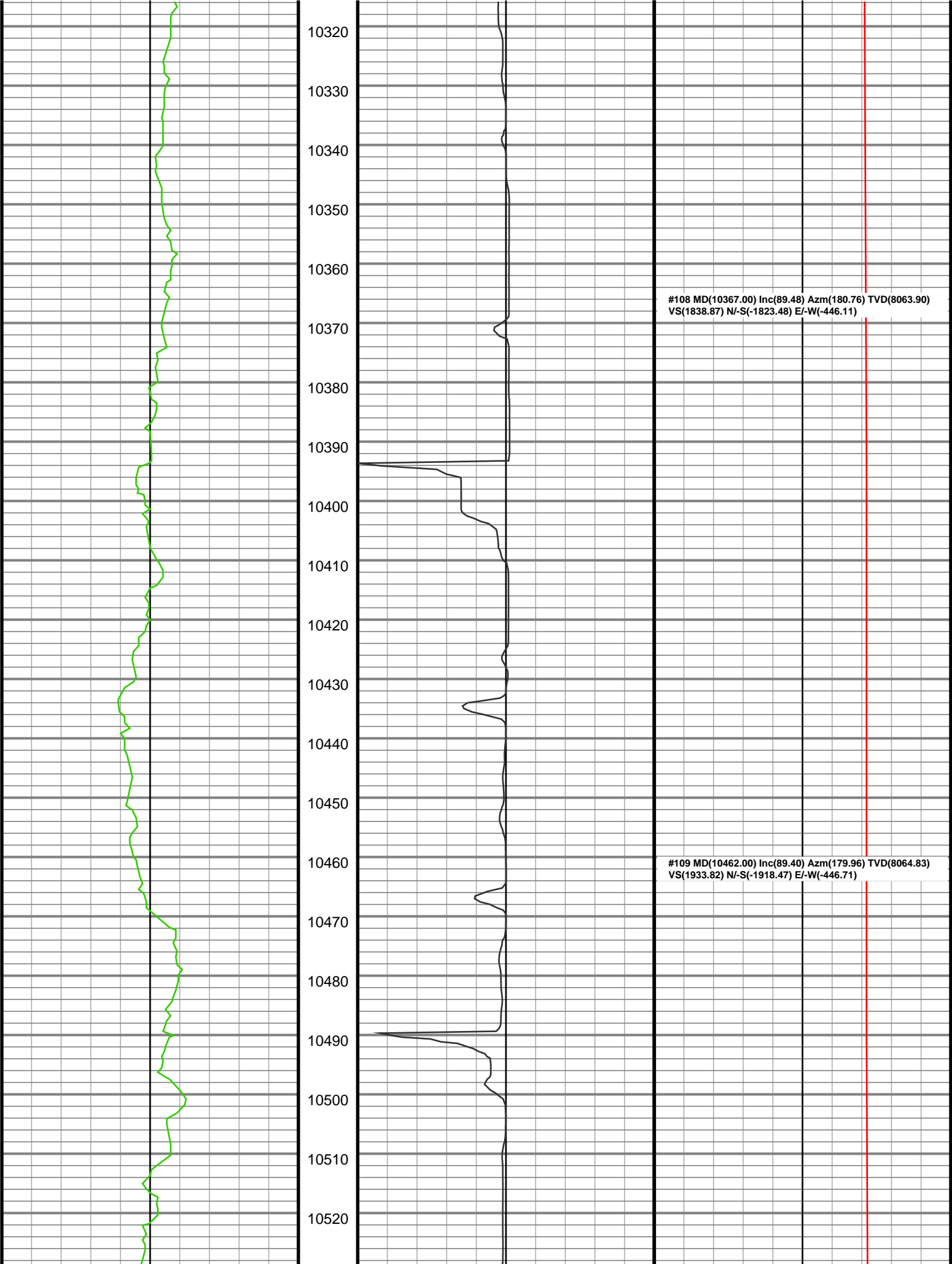


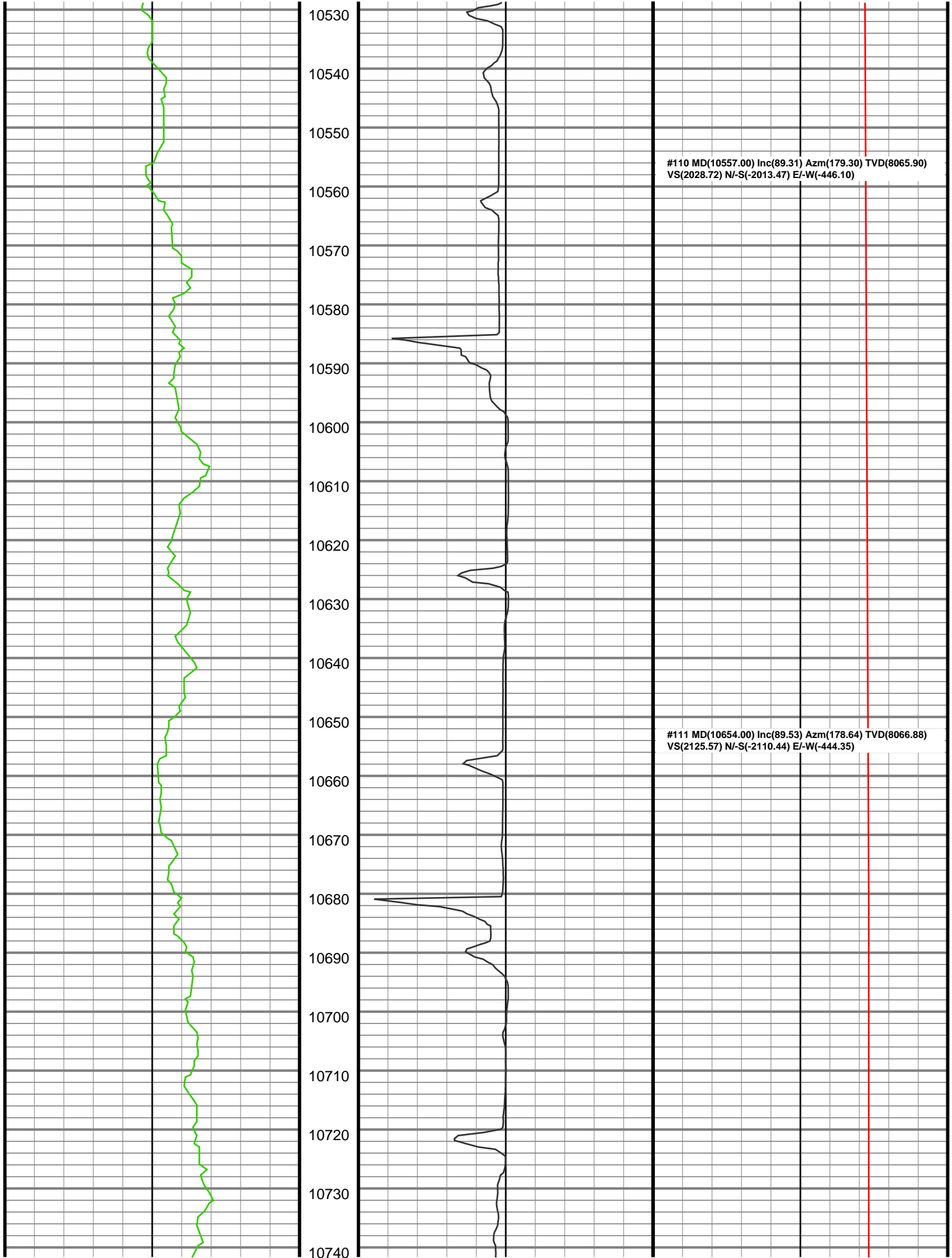


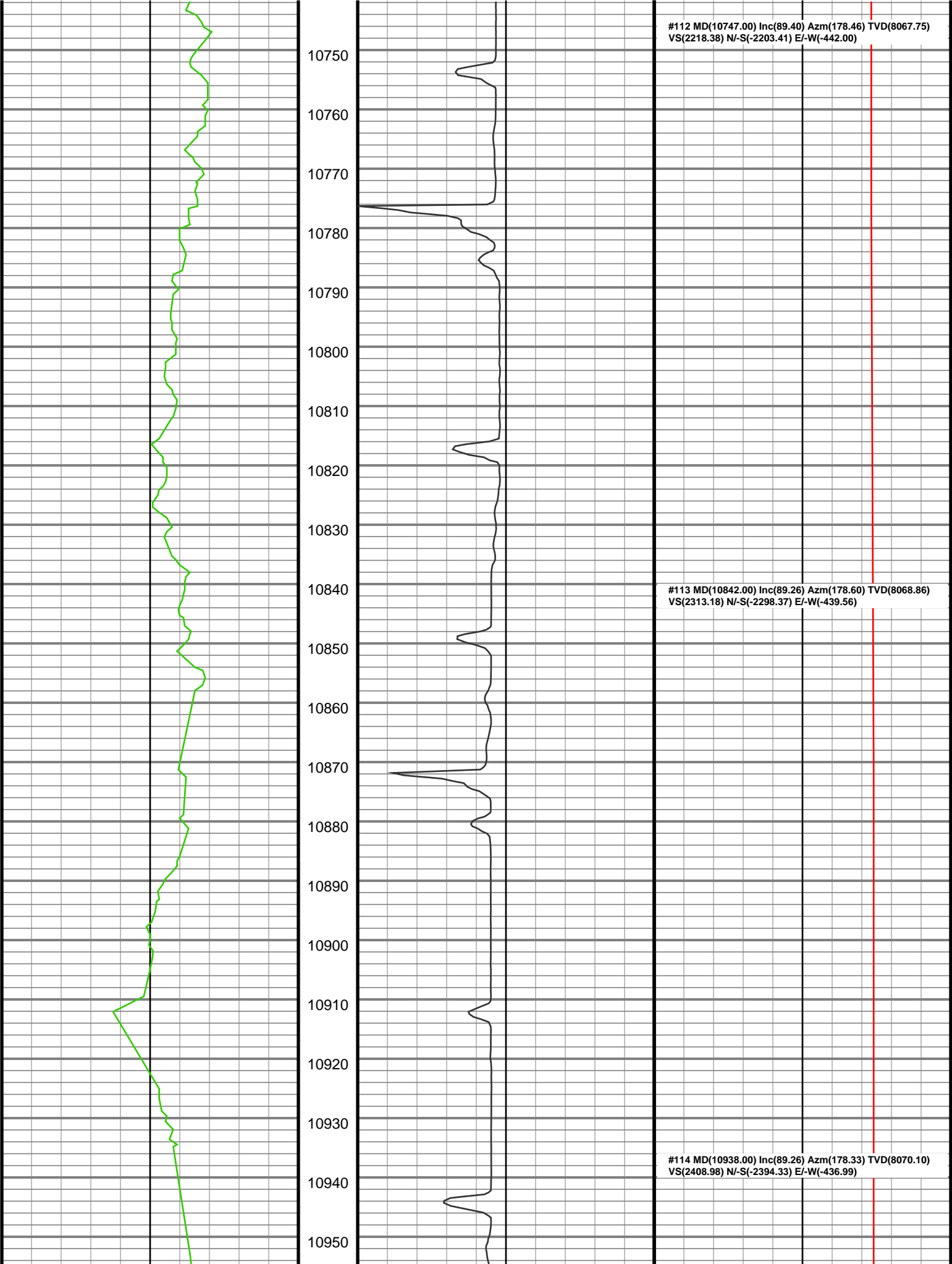


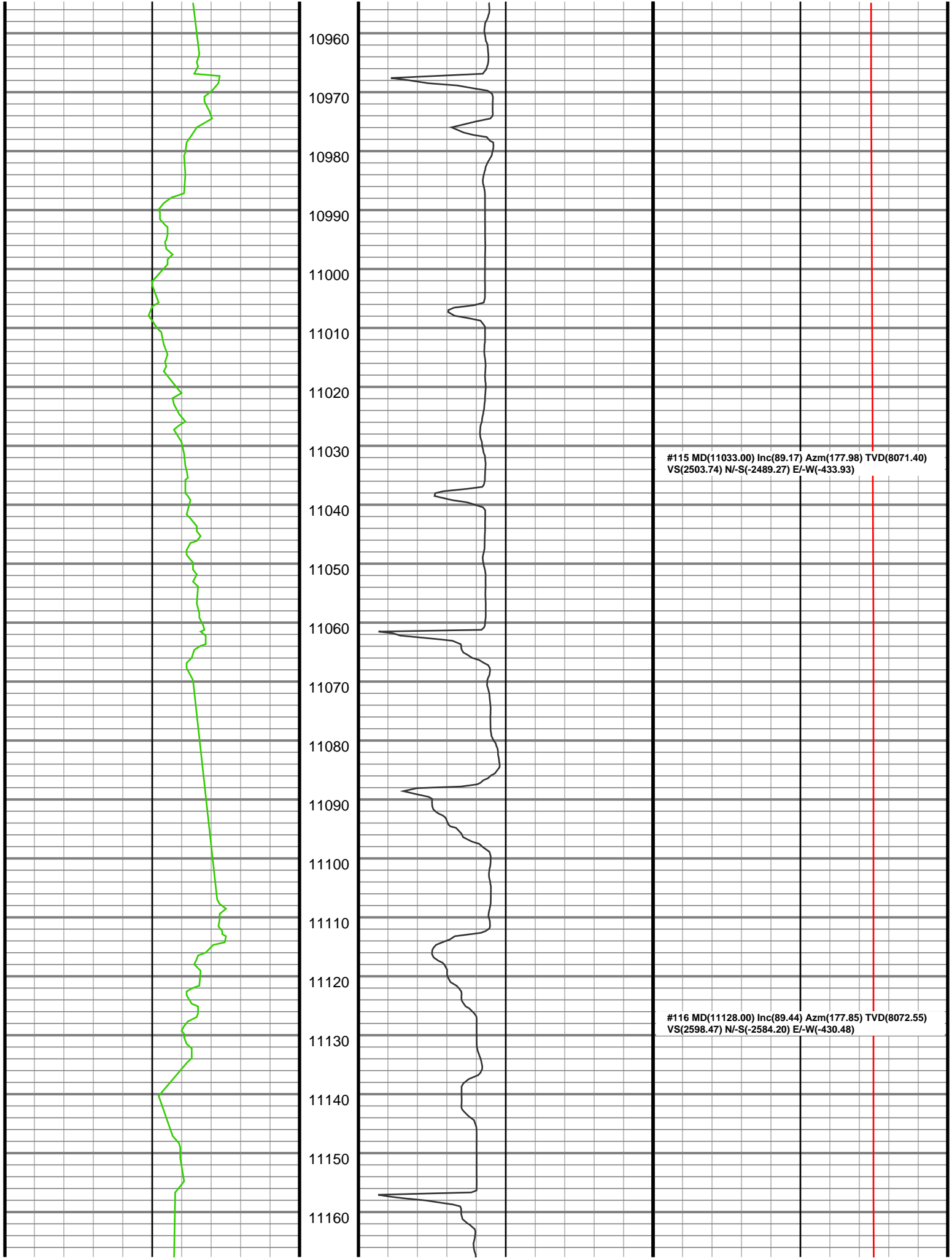


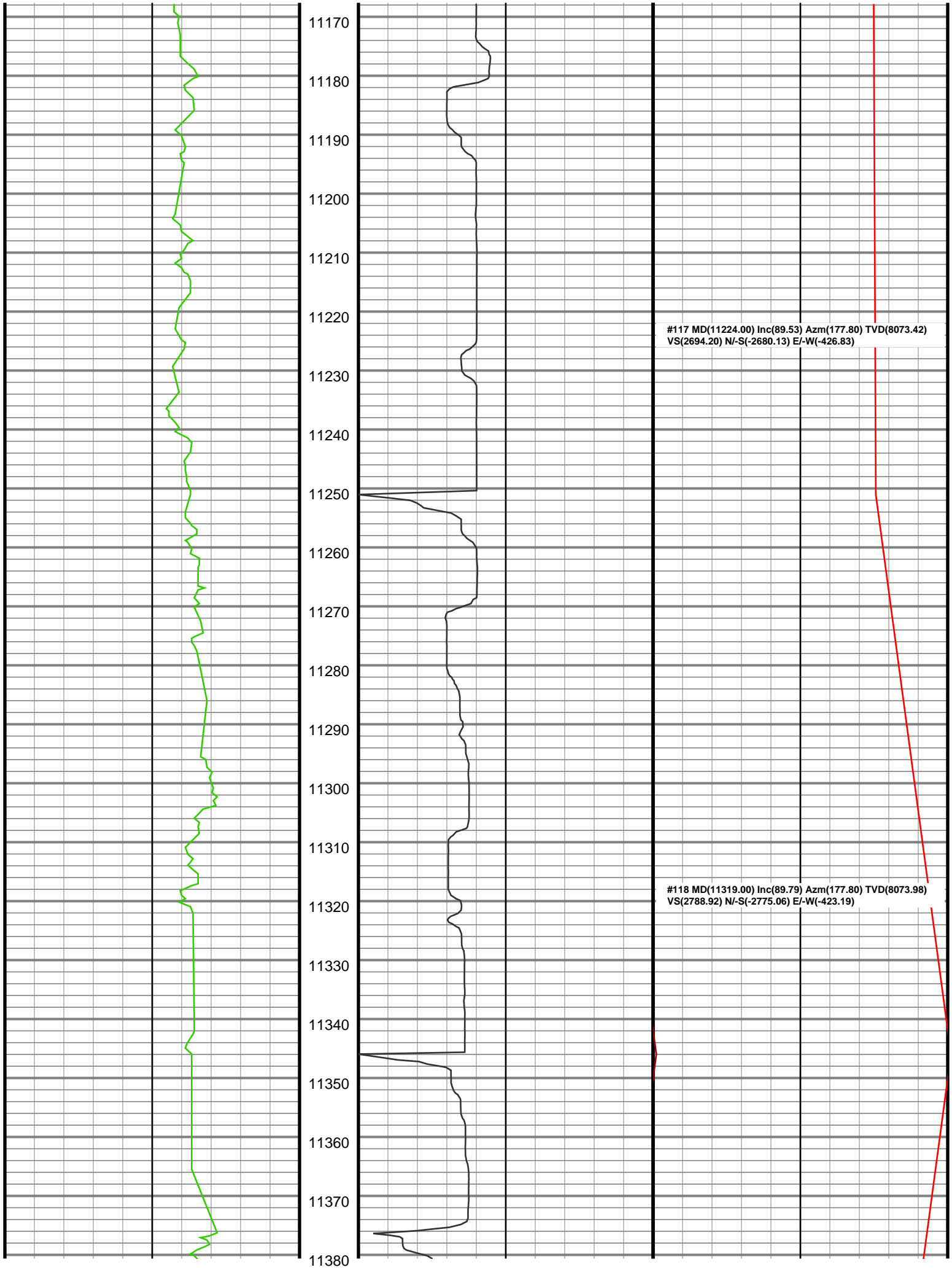


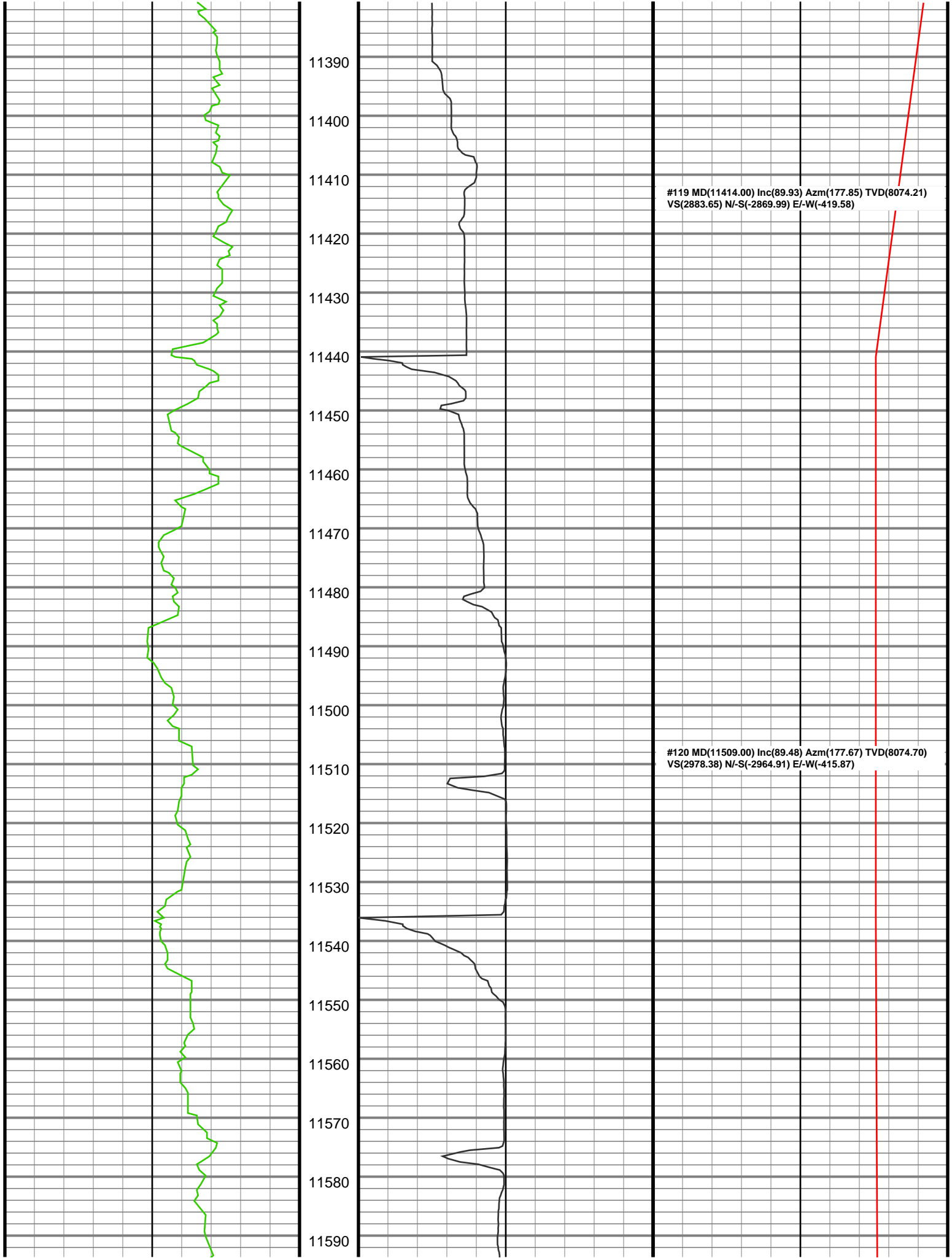


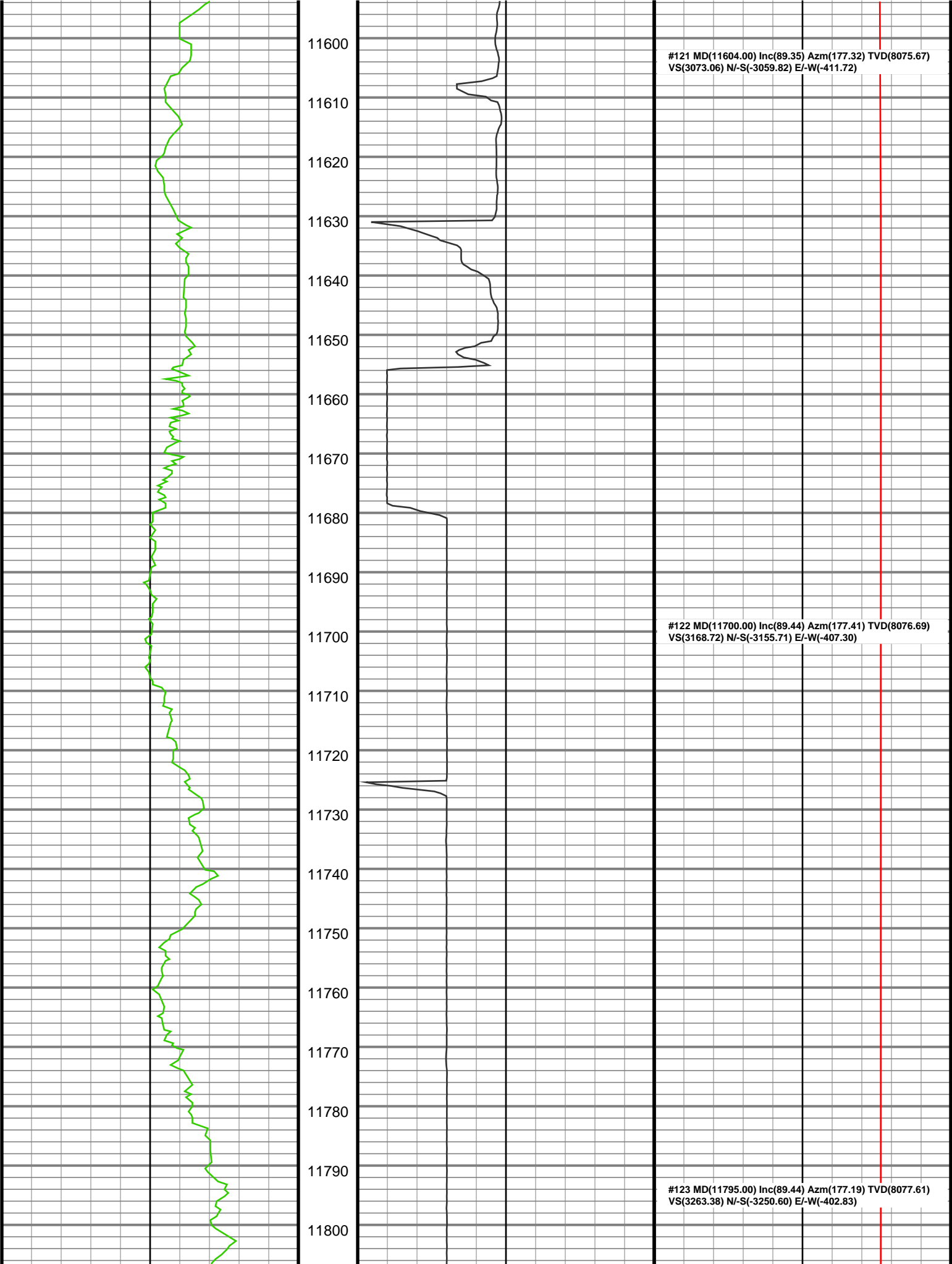


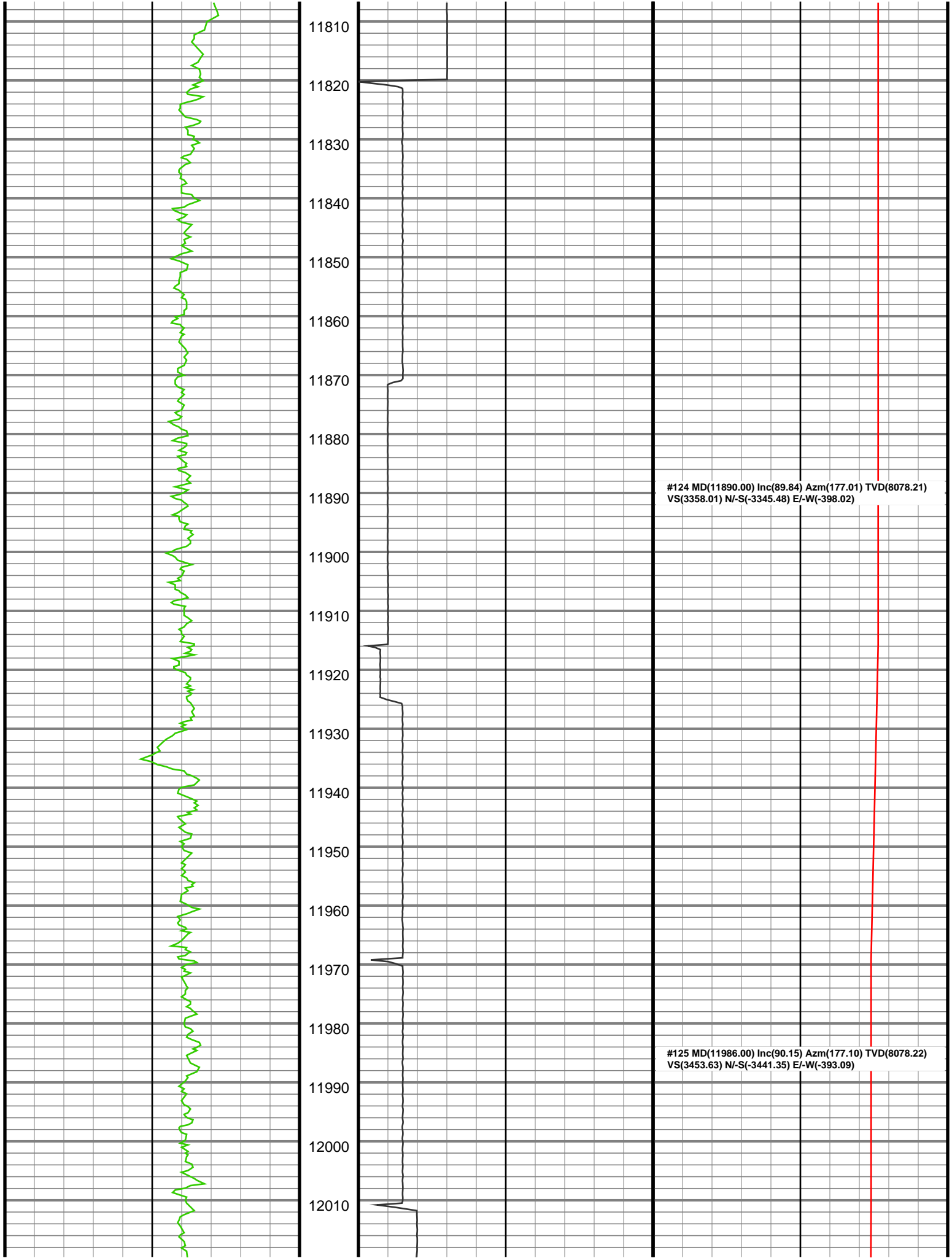


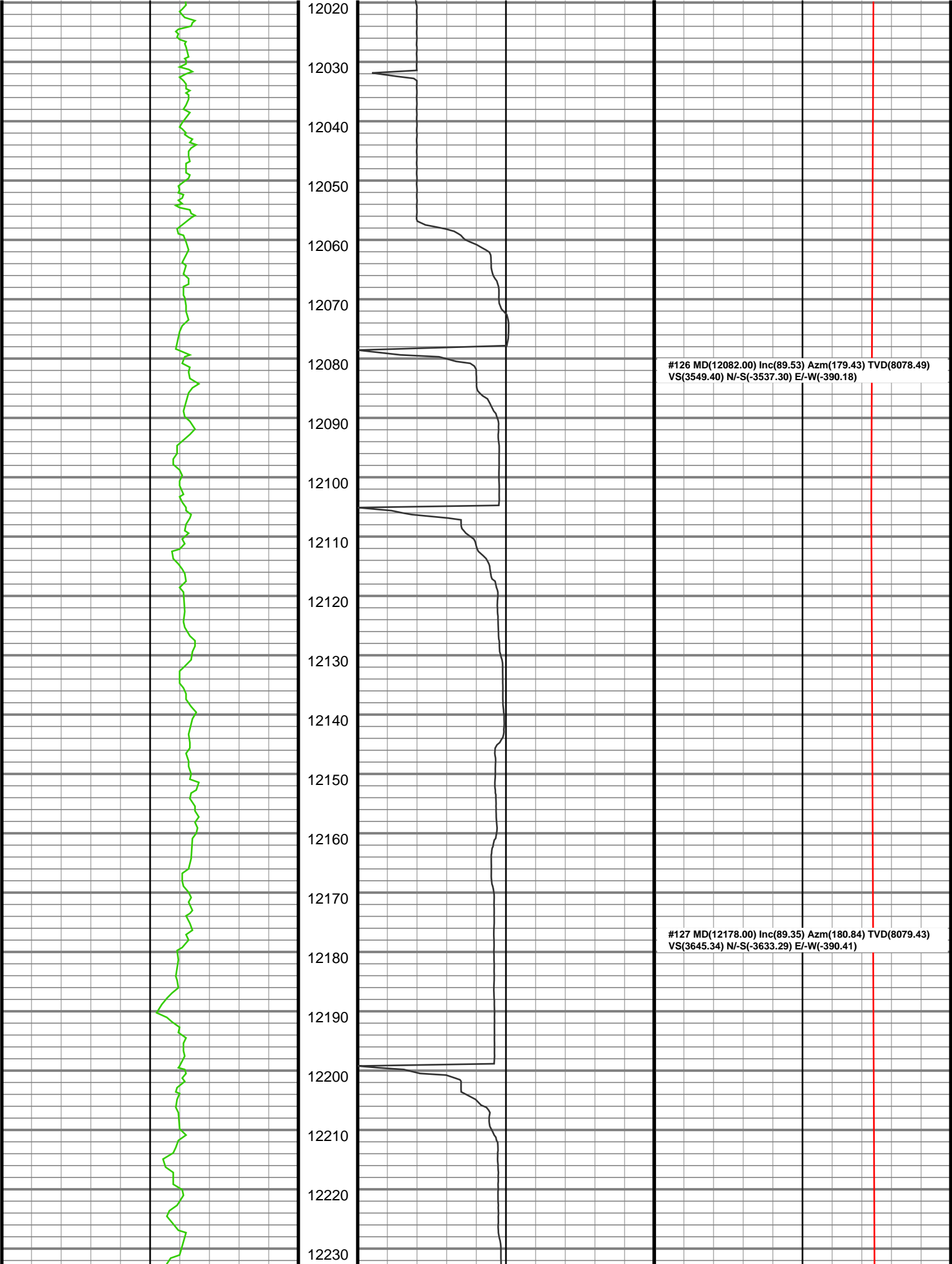


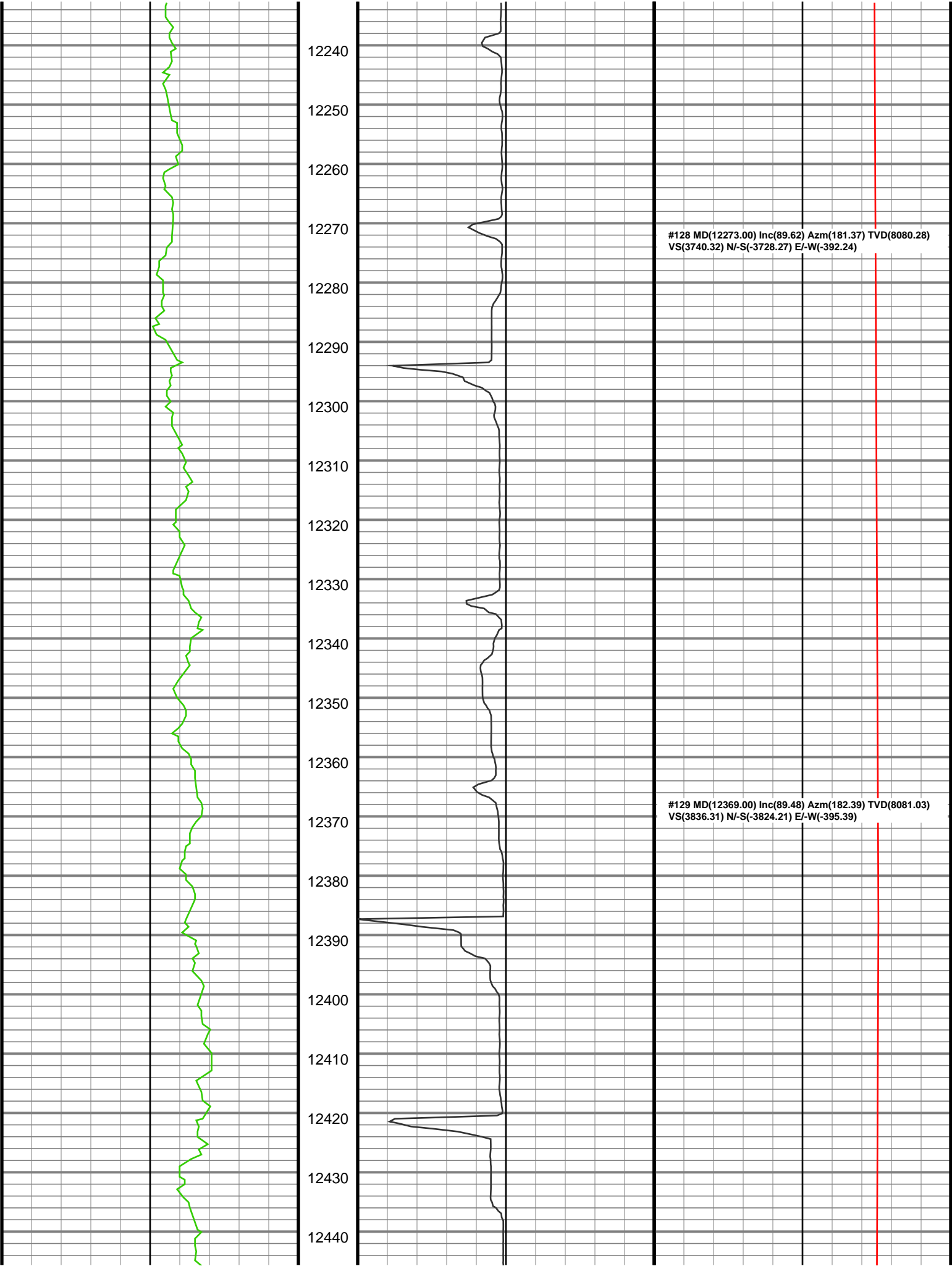


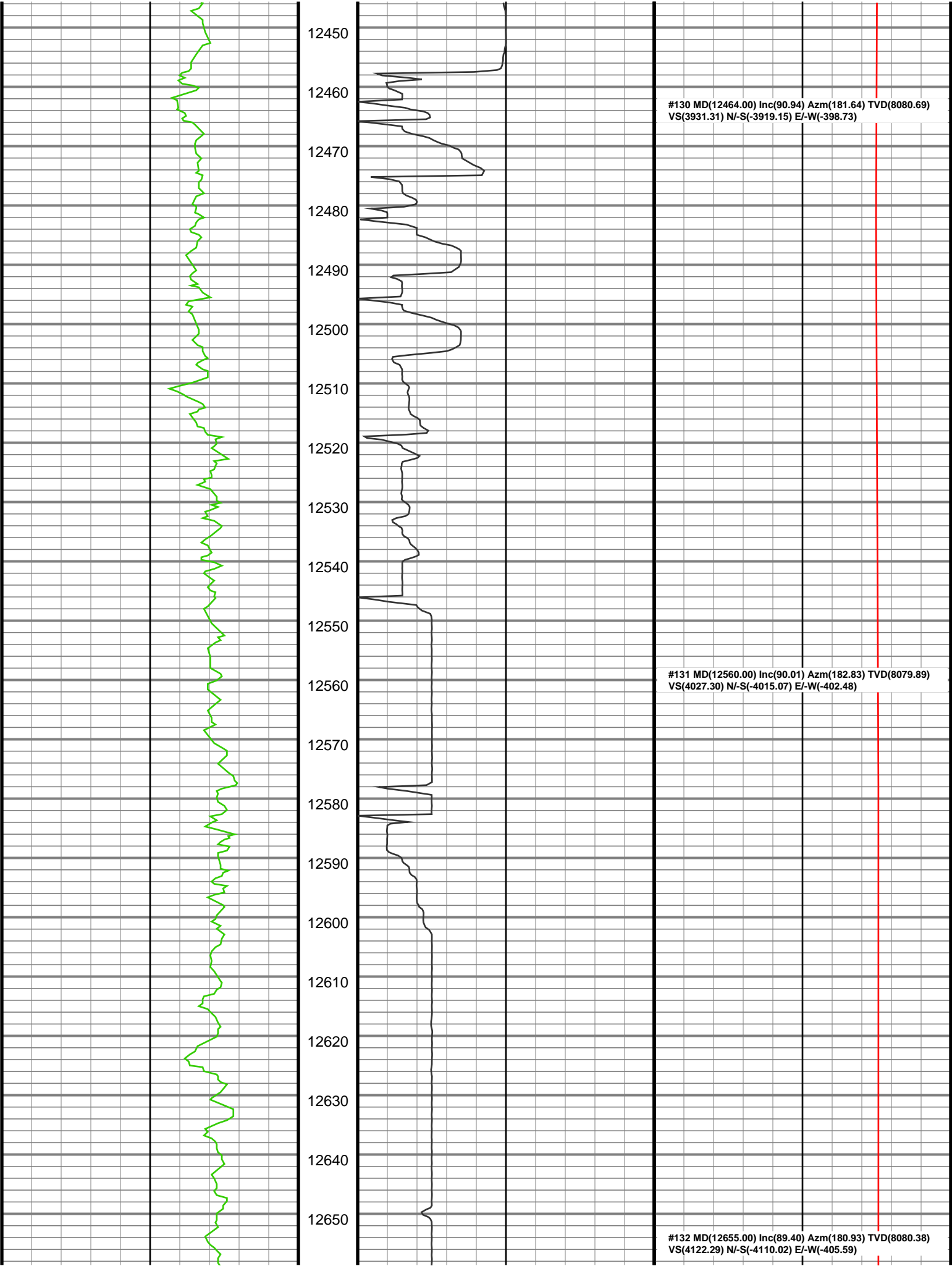


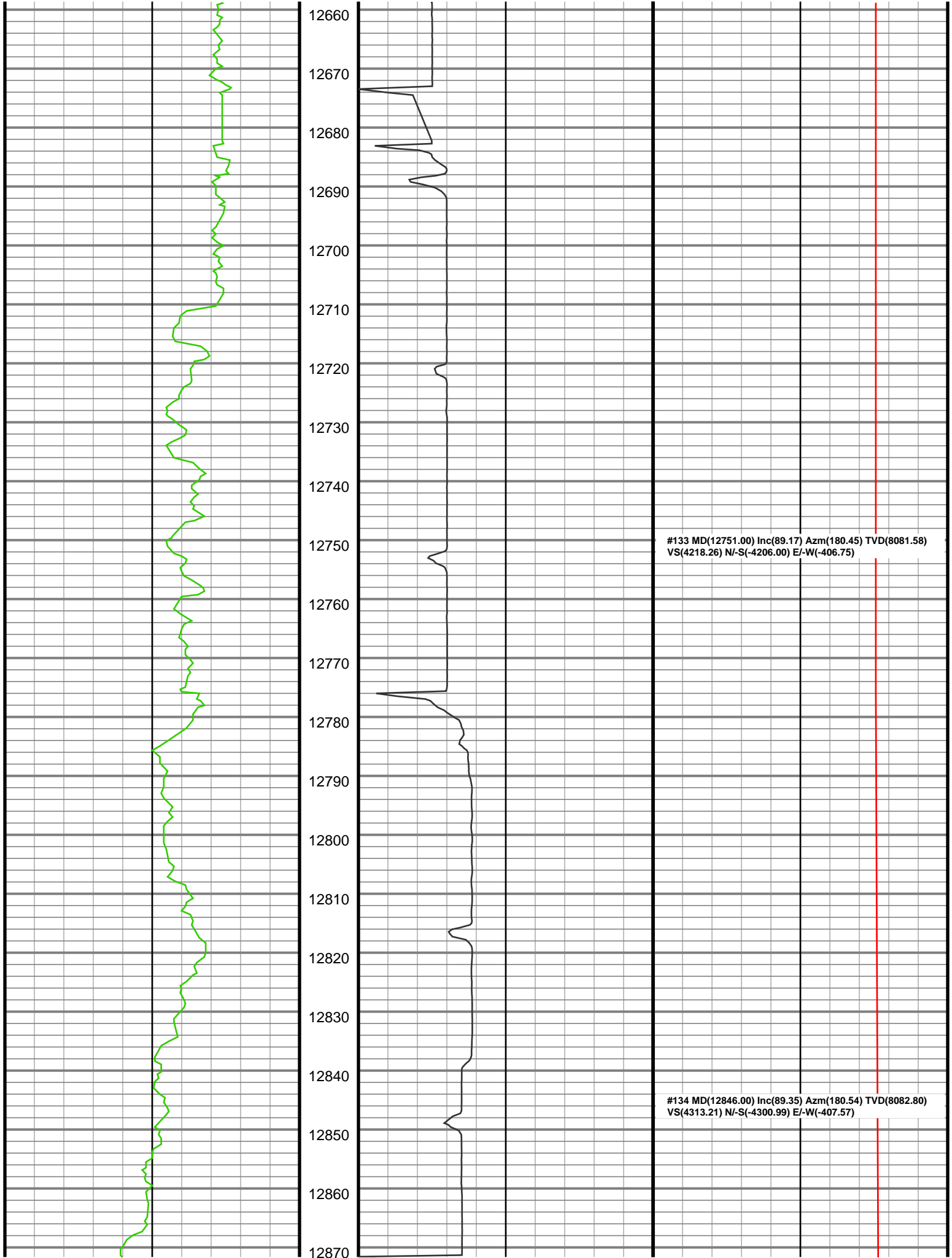


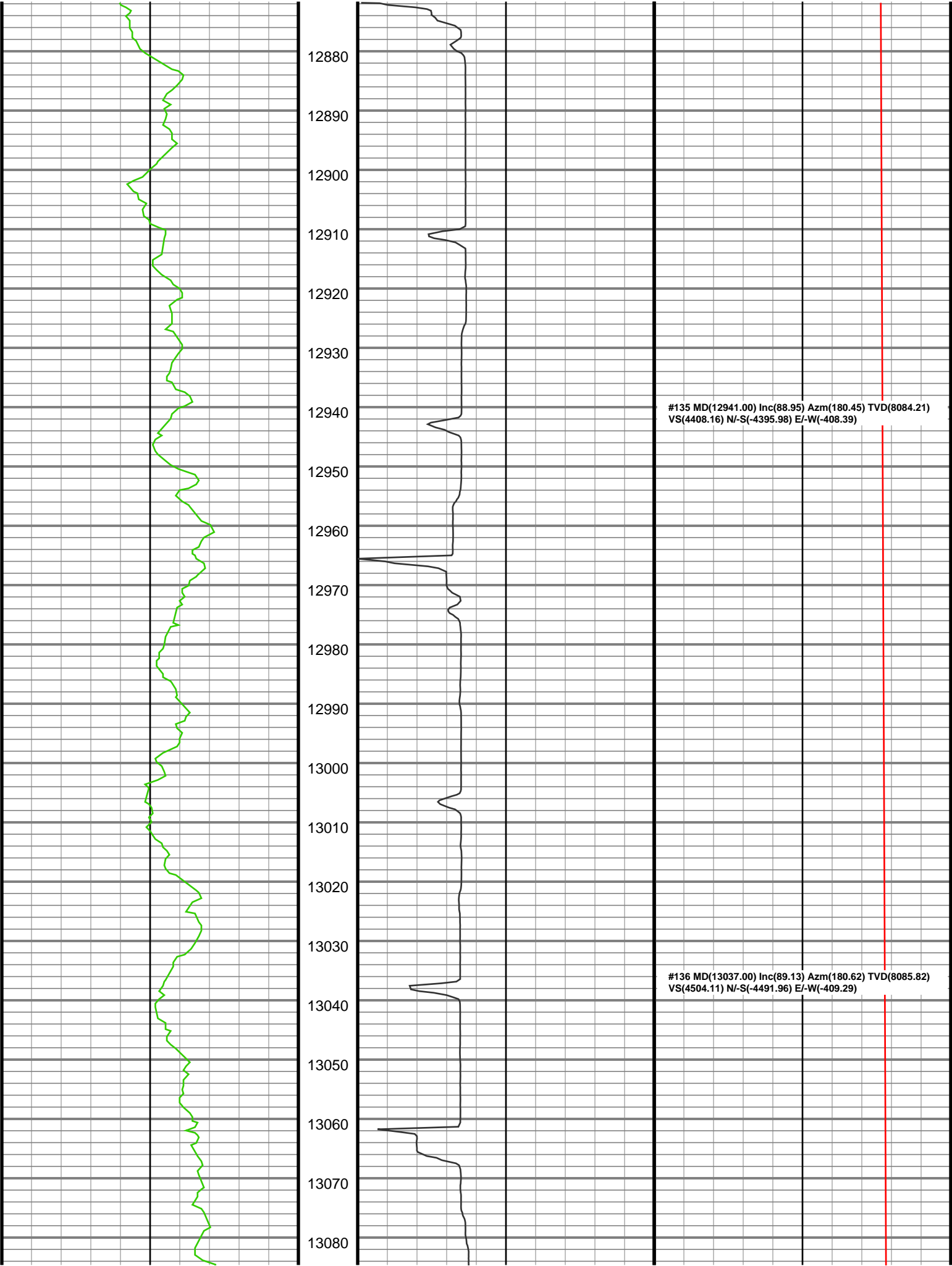


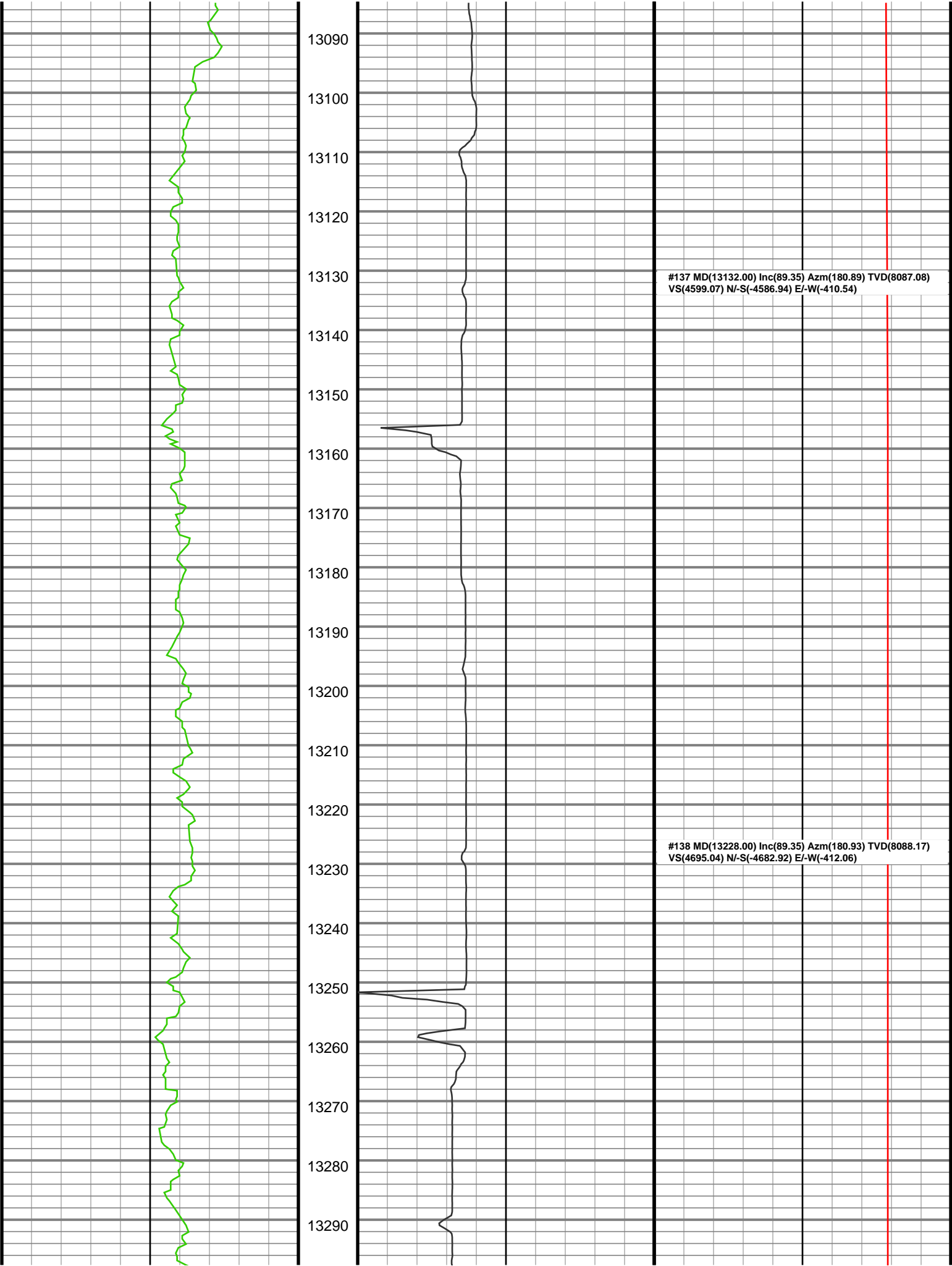


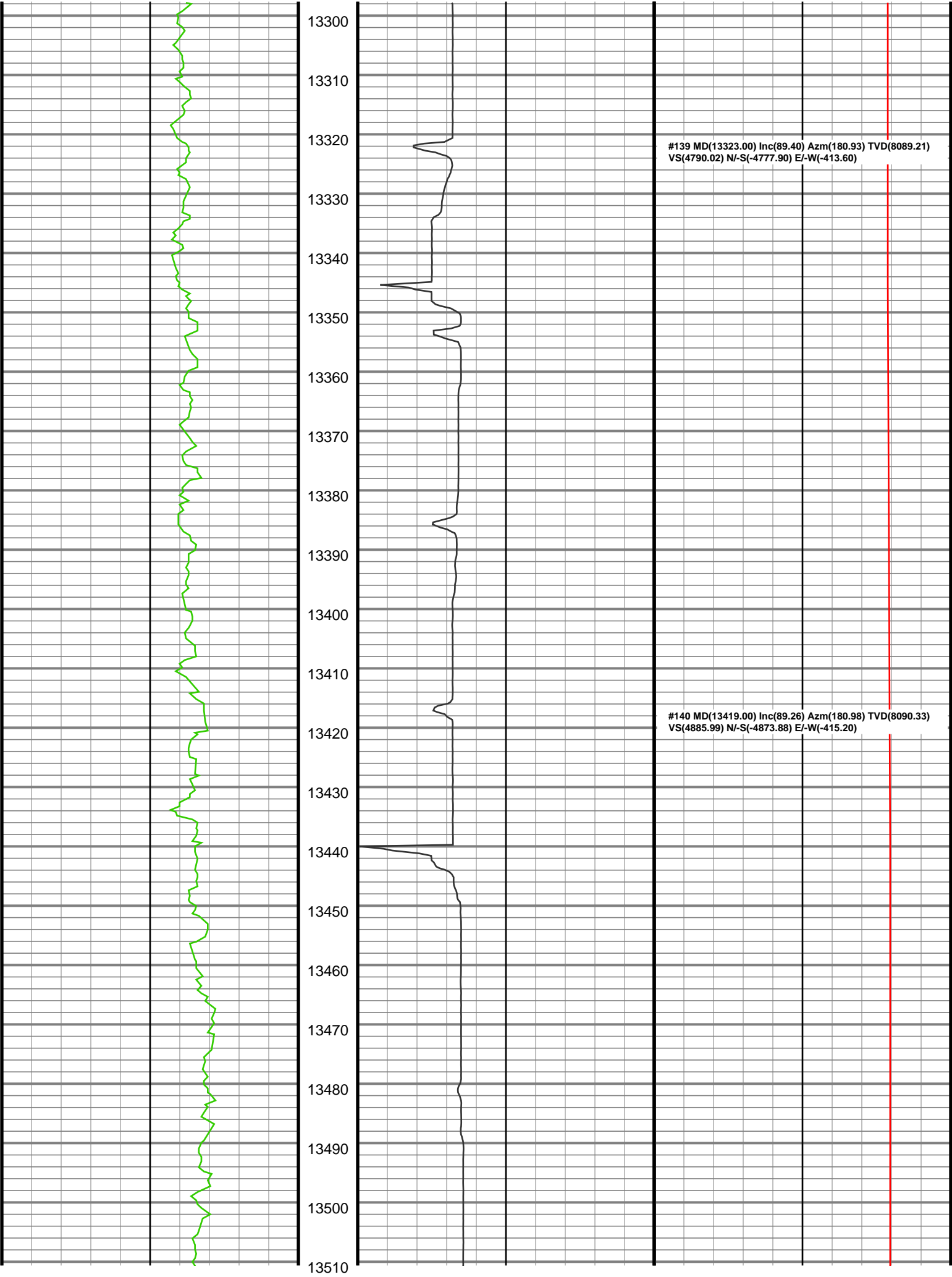


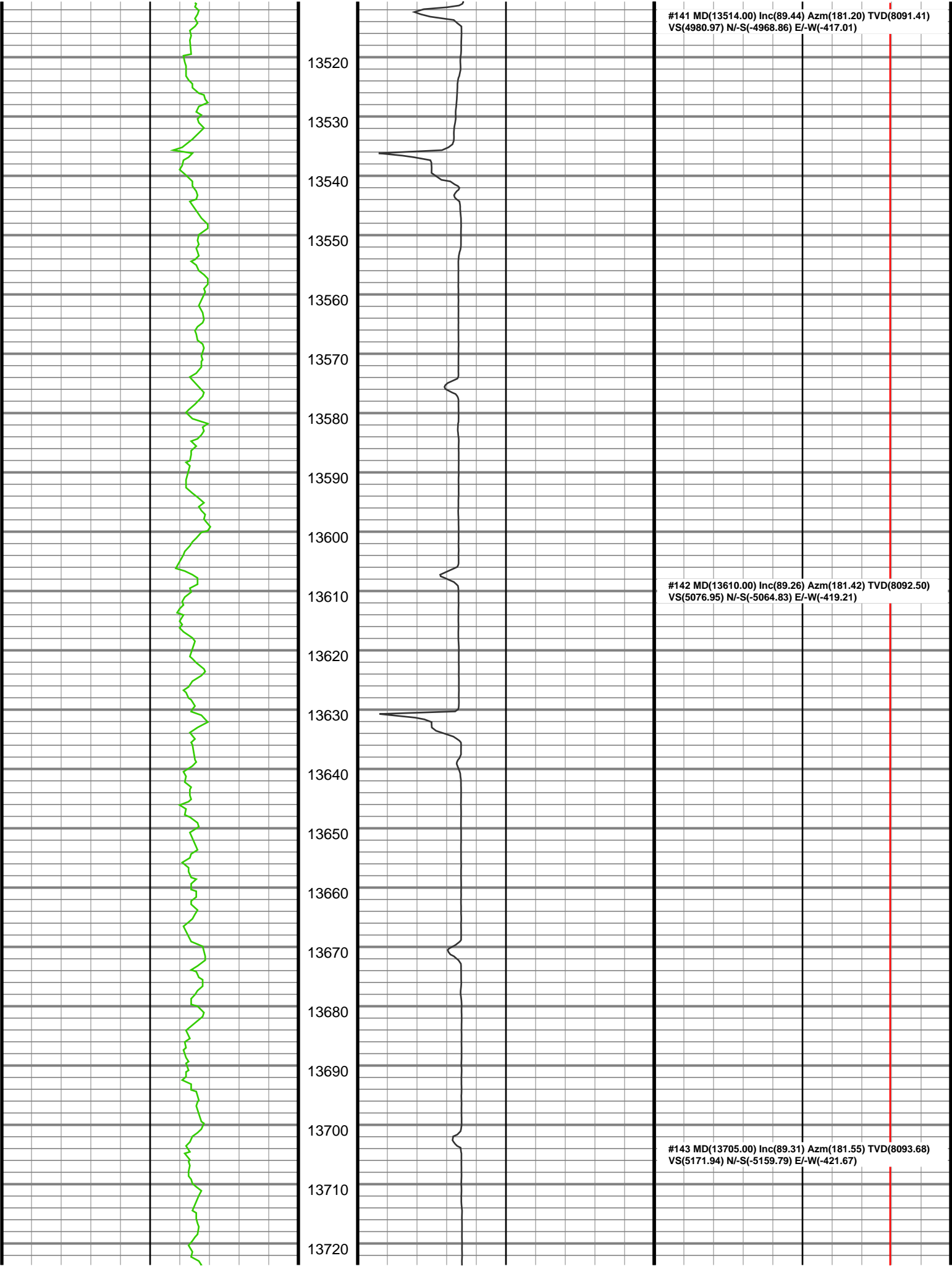


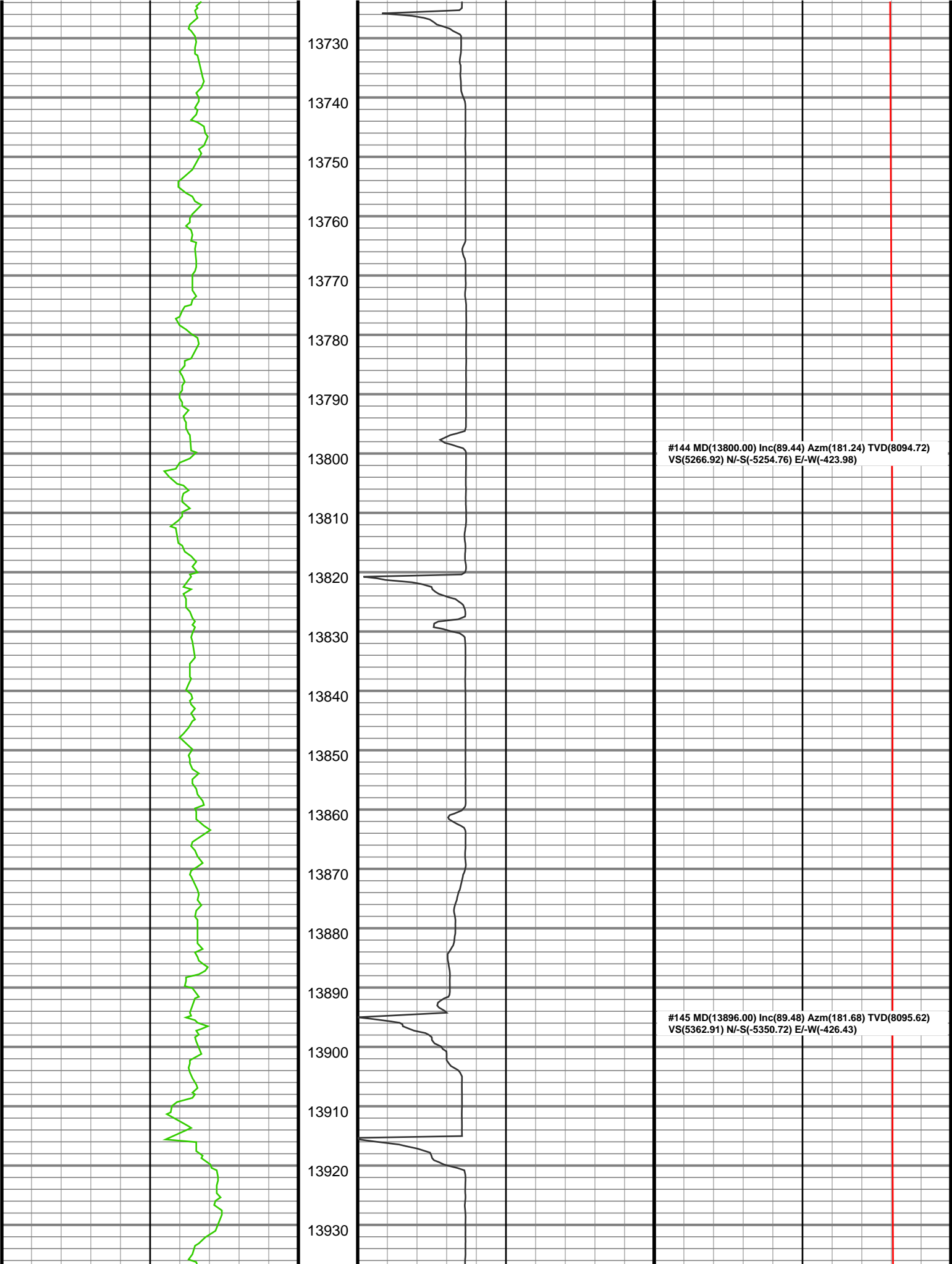


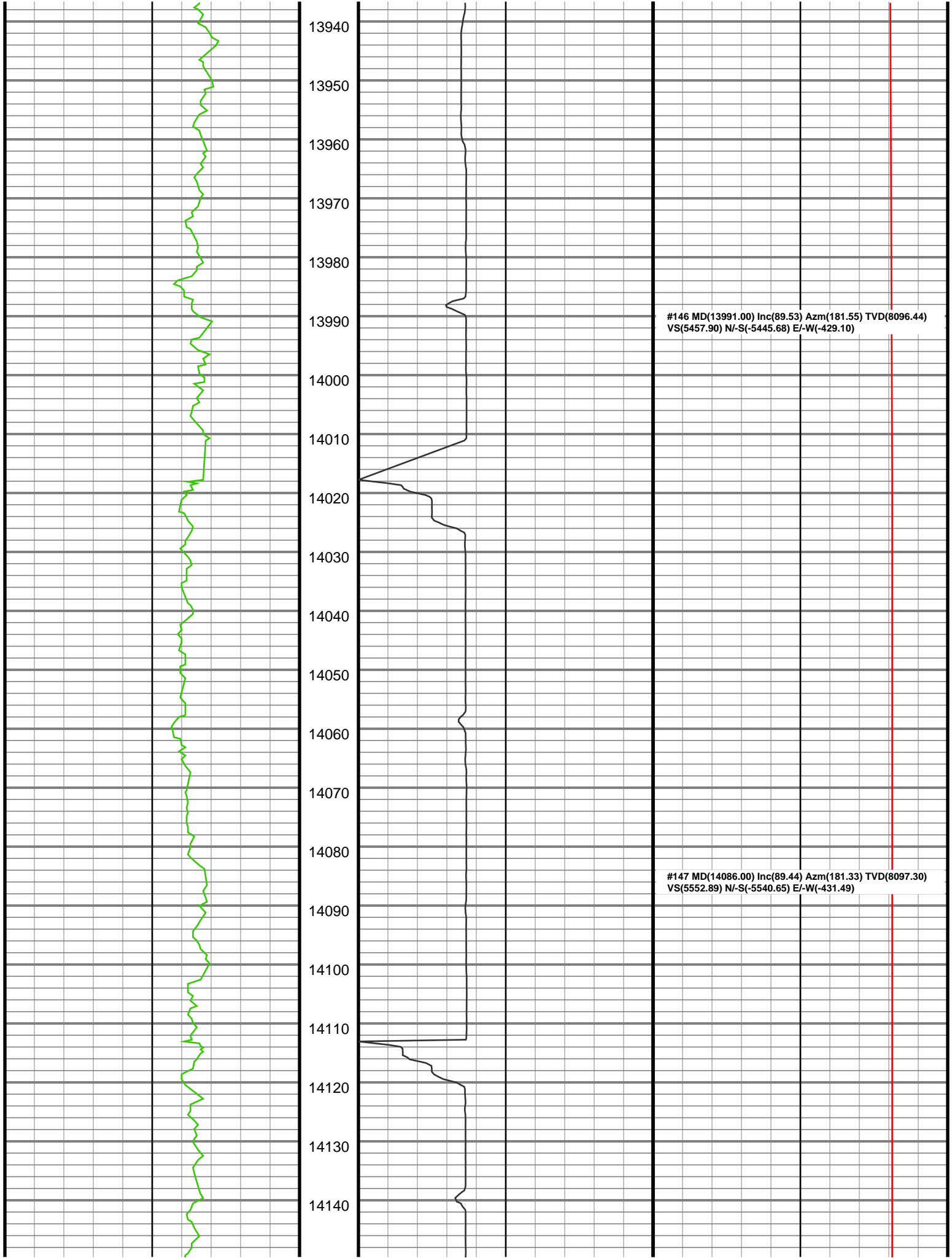


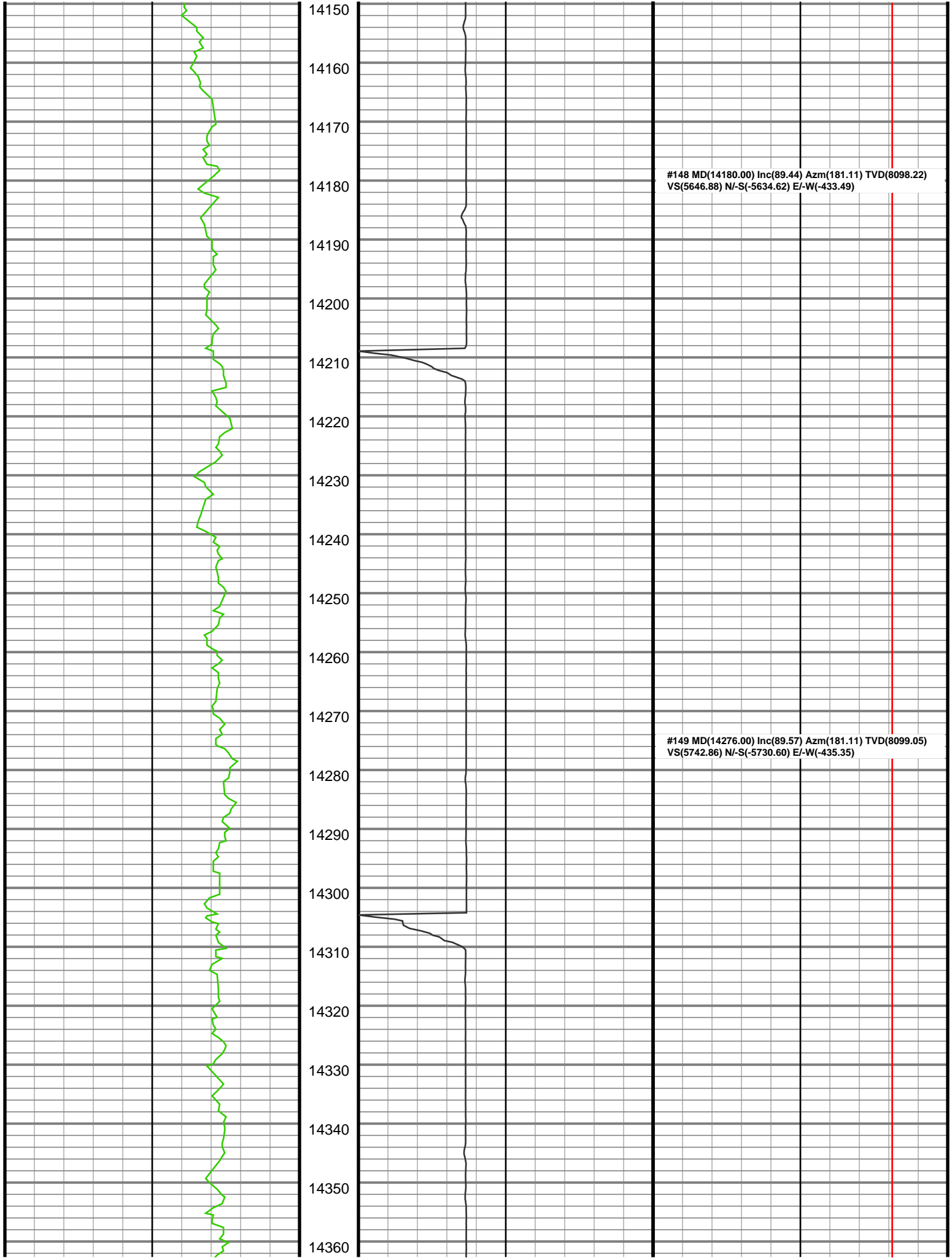


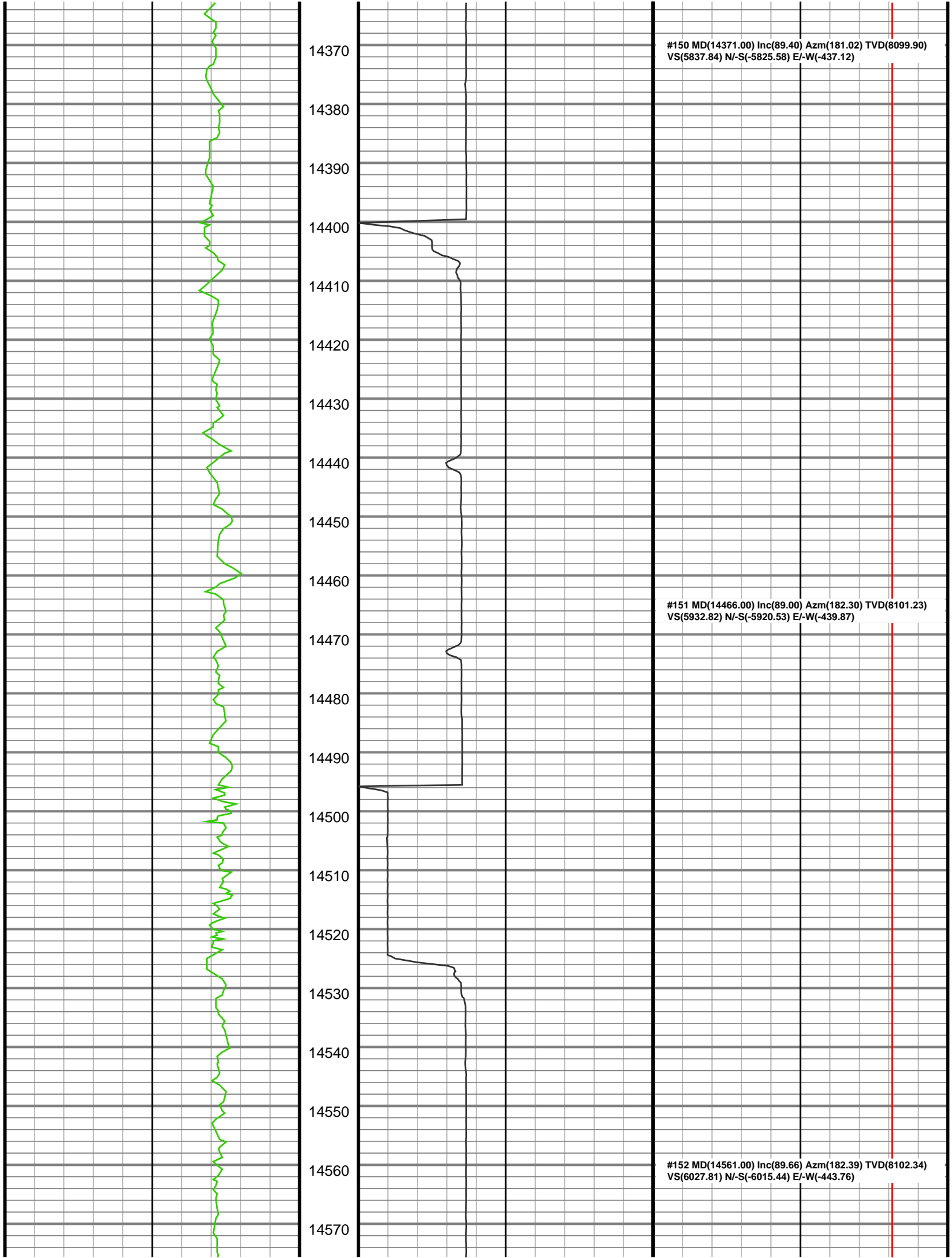


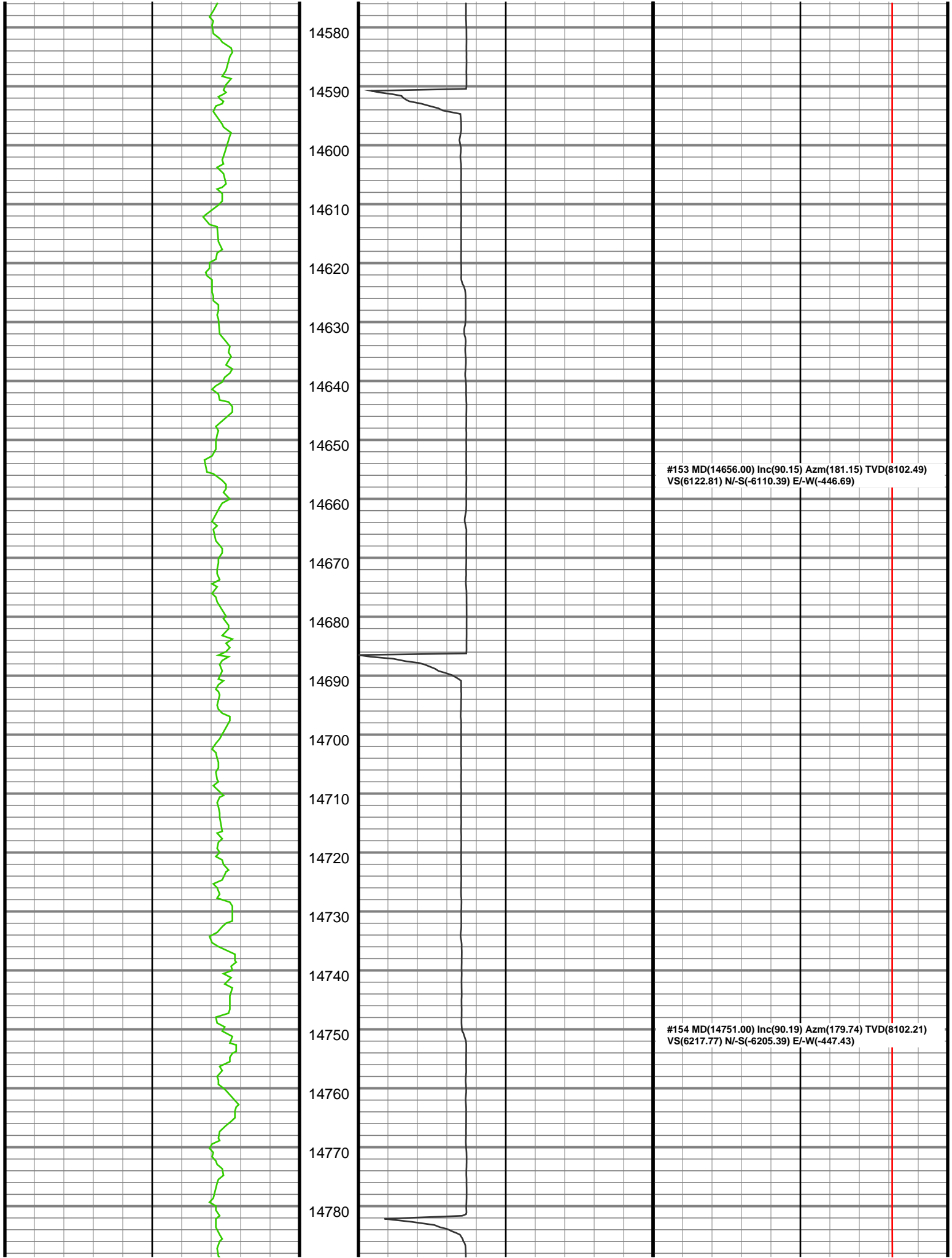












14580

14590

14600

14610

14620

14630

14640

14650

14660

14670

14680

14690

14700

14710

14720

14730

14740

14750

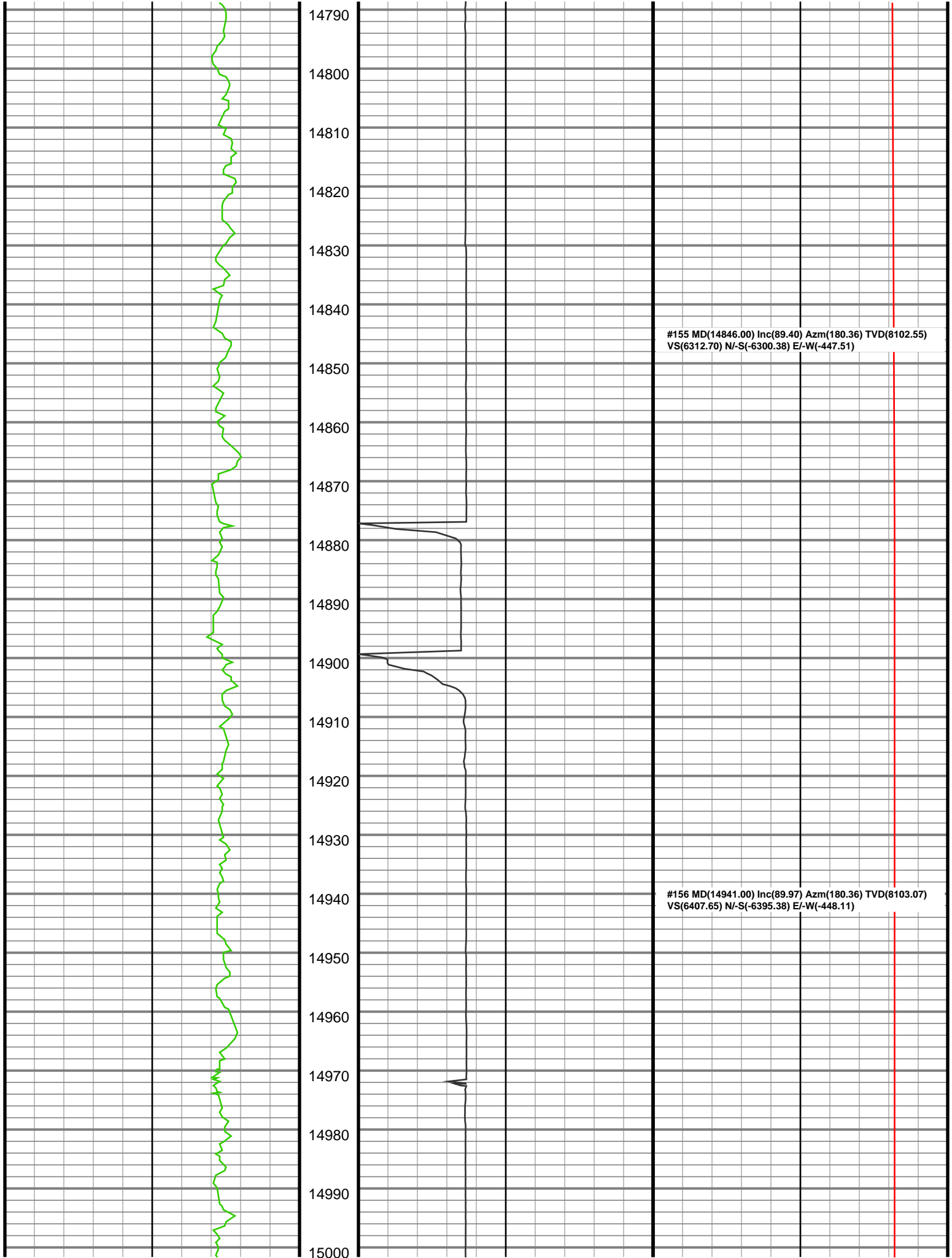
14760

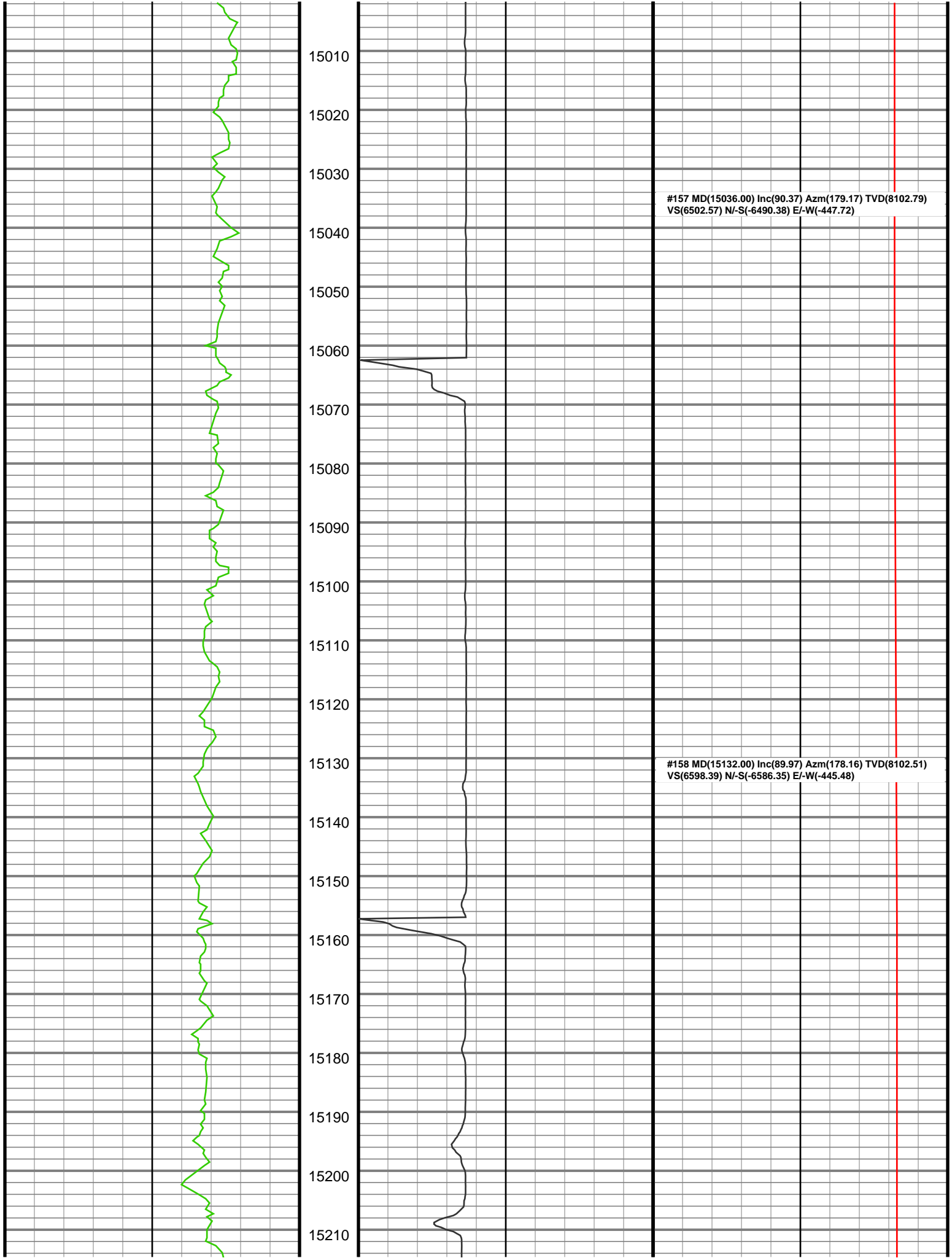
14770

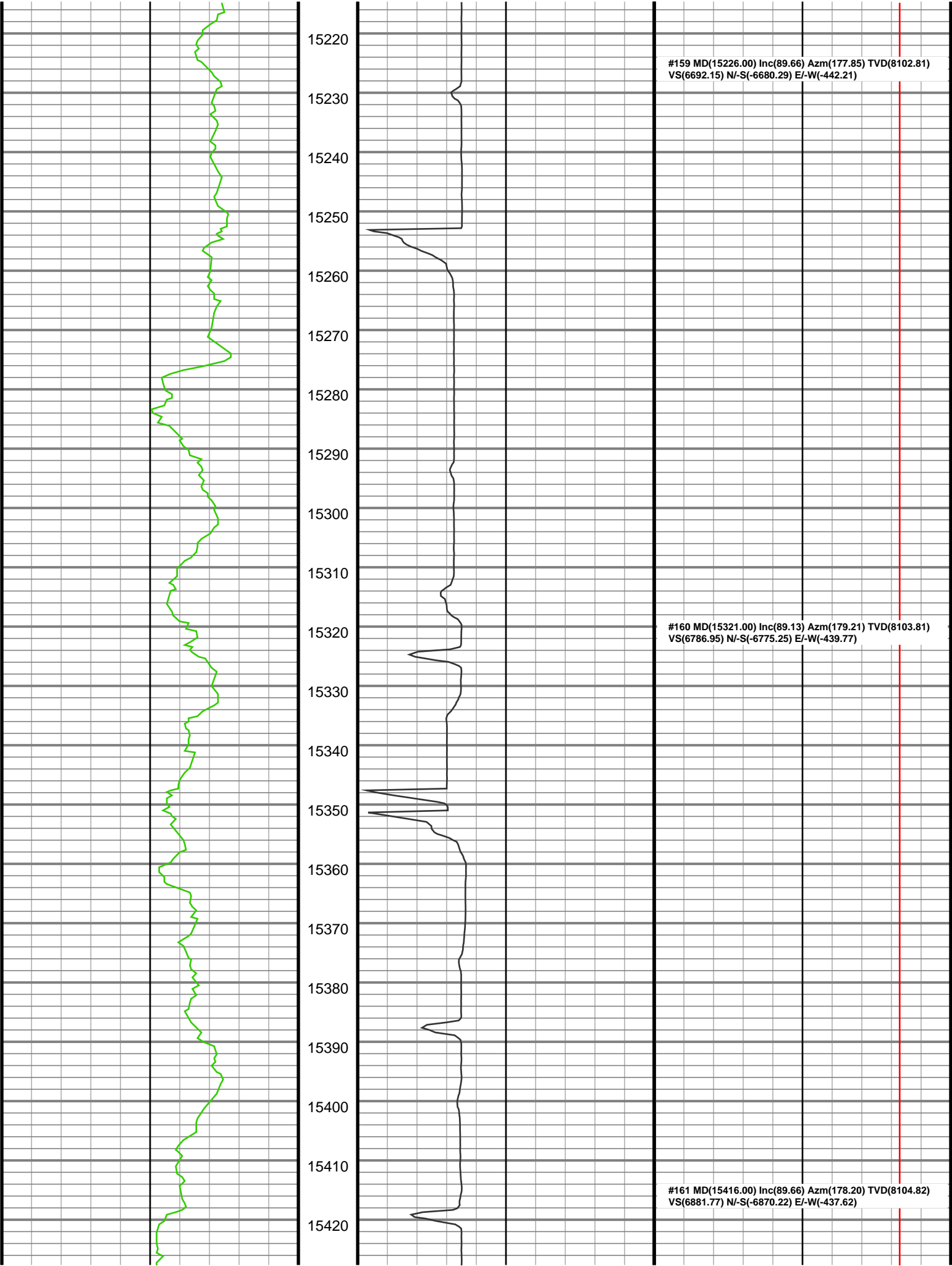
14780

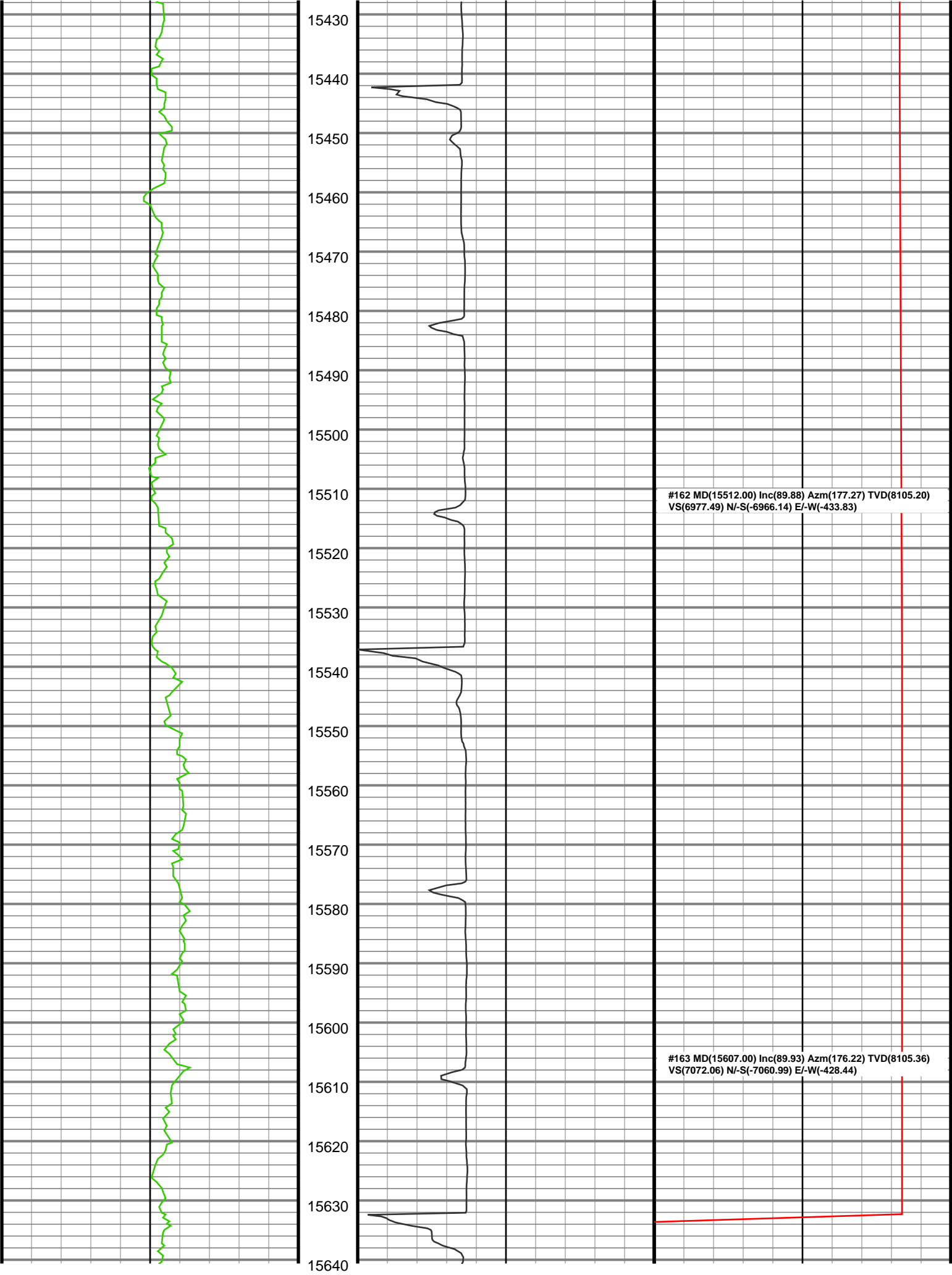
#153 MD(14656.00) Inc(90.15) Azm(181.15) TVD(8102.49)
VS(6122.81) N/-S(-6110.39) E/-W(-446.69)

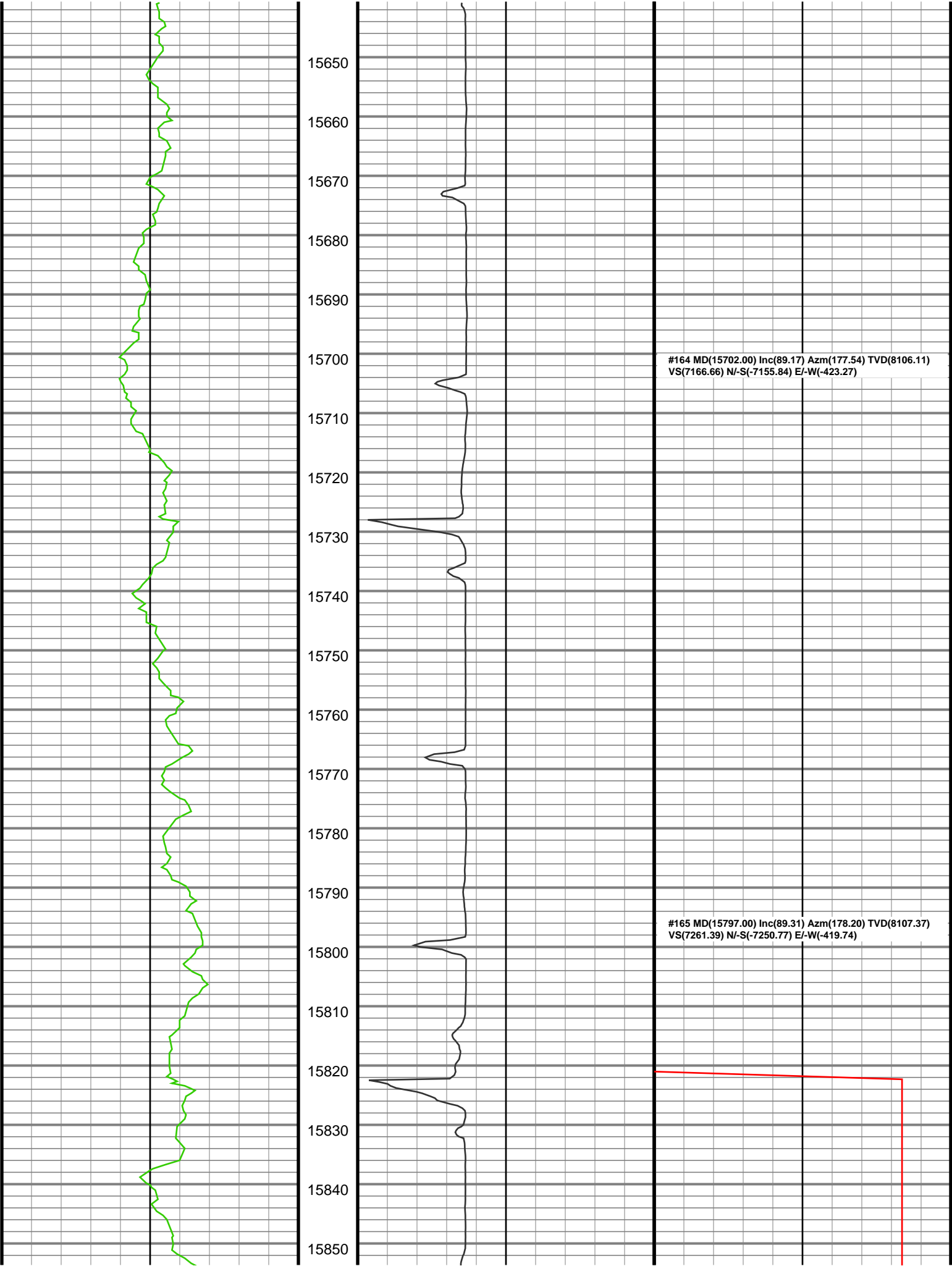
#154 MD(14751.00) Inc(90.19) Azm(179.74) TVD(8102.21)
VS(6217.77) N/-S(-6205.39) E/-W(-447.43)

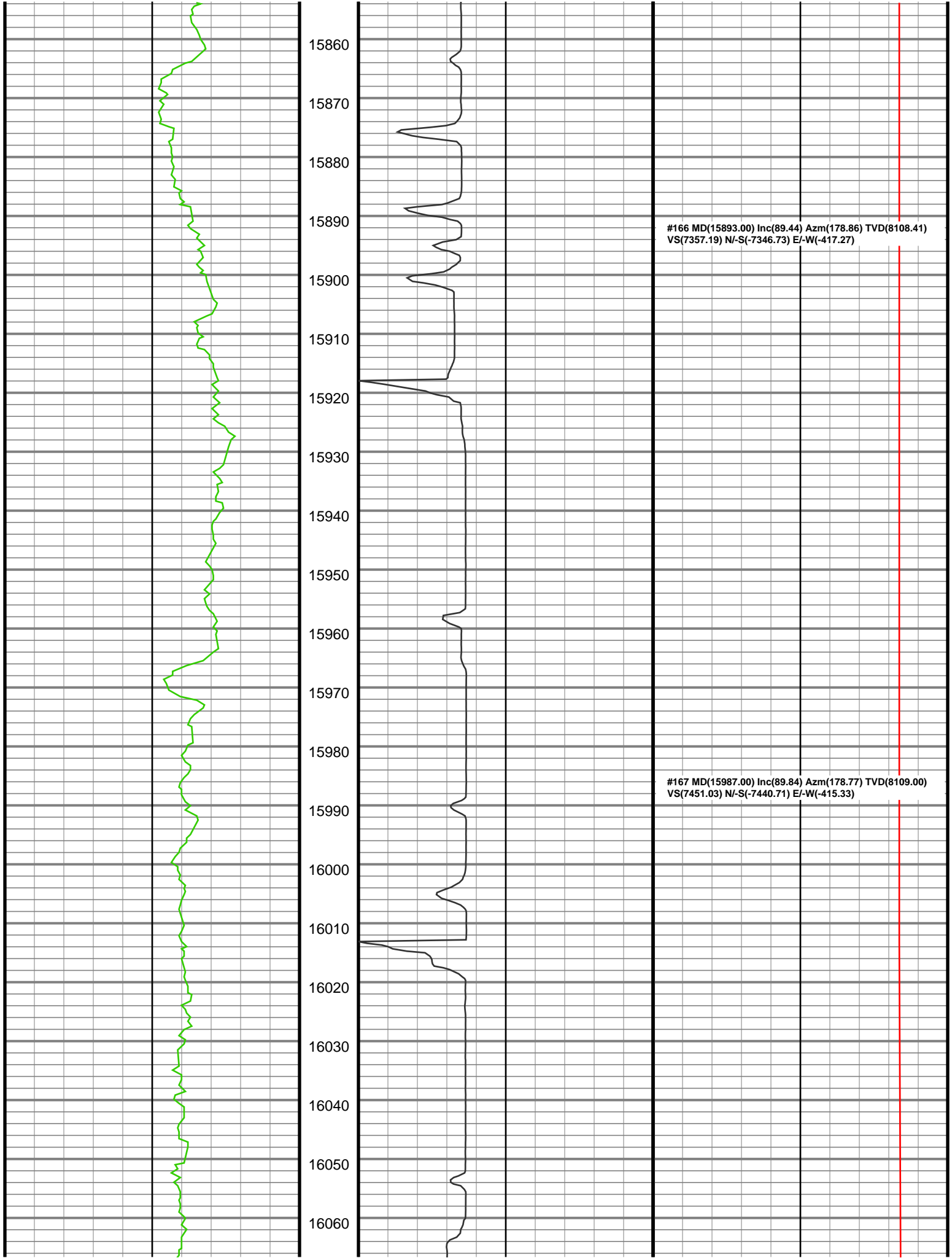


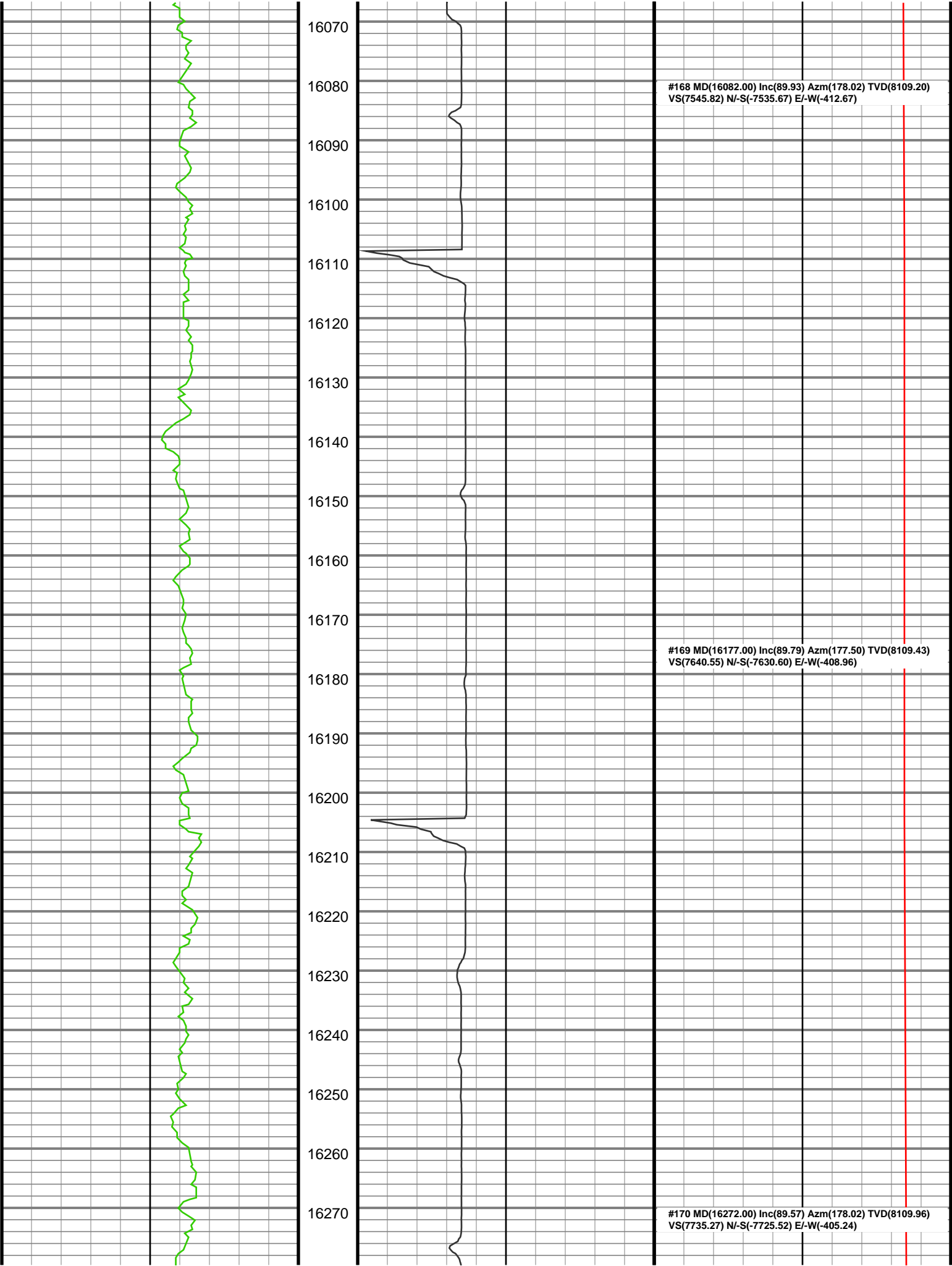


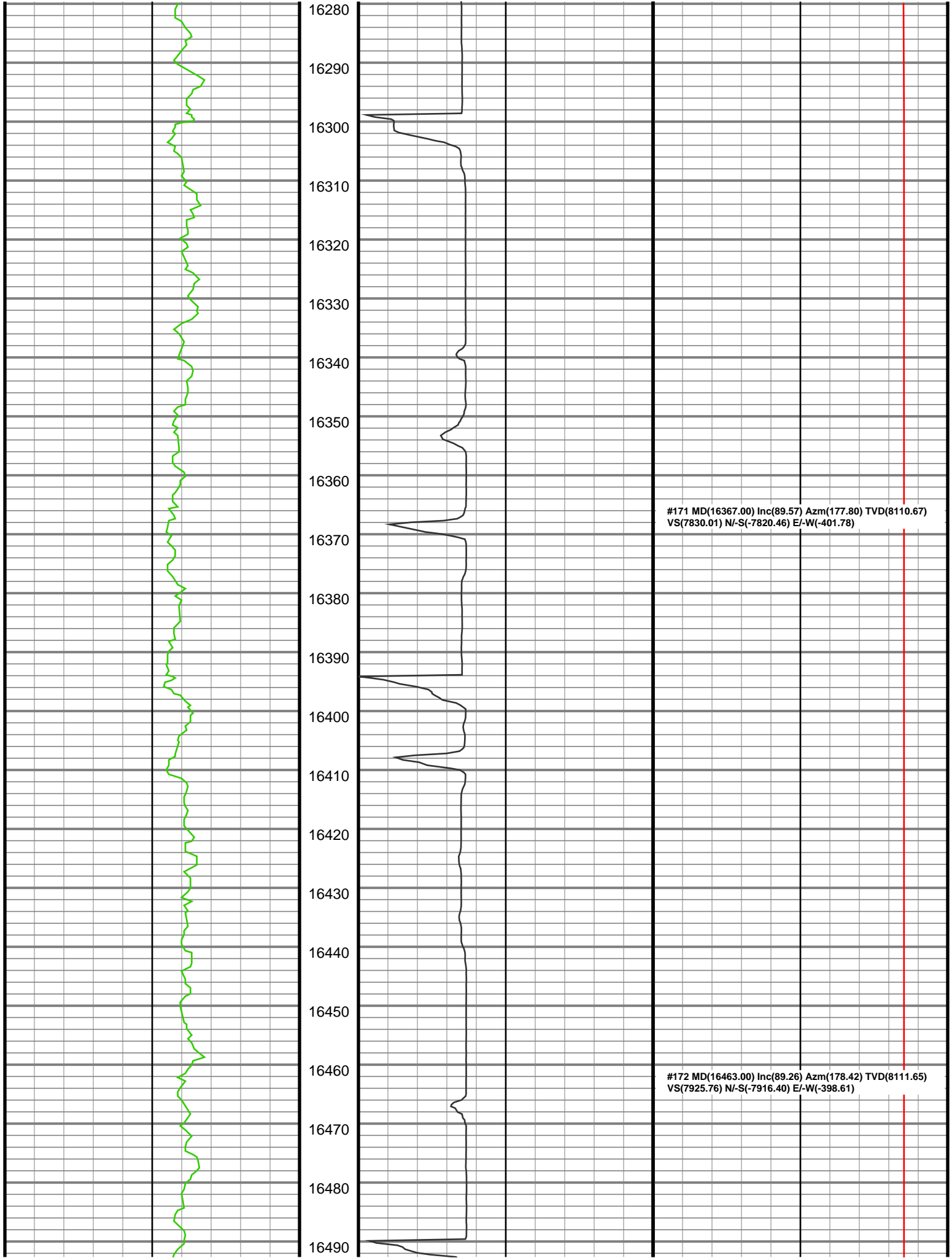






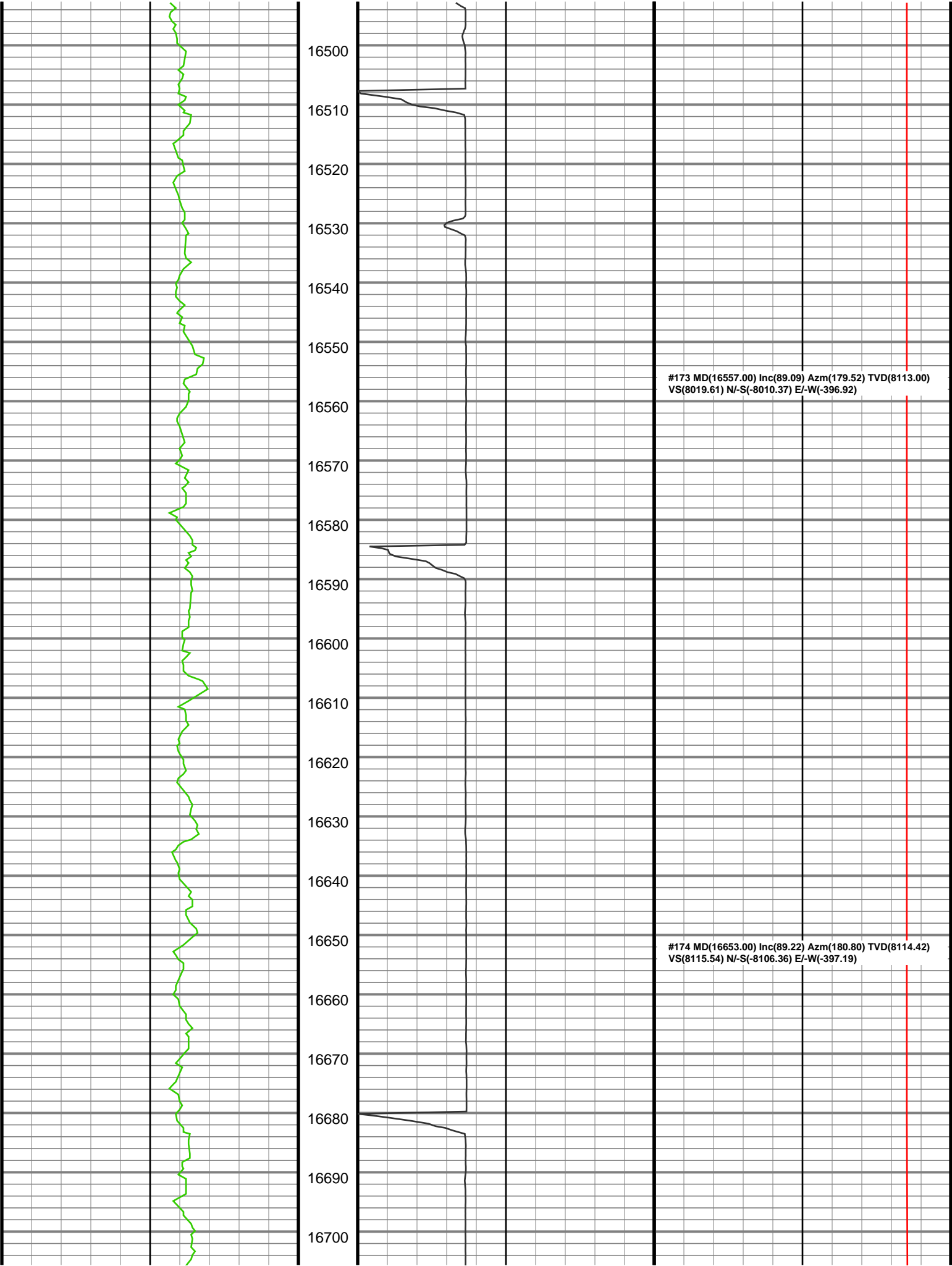


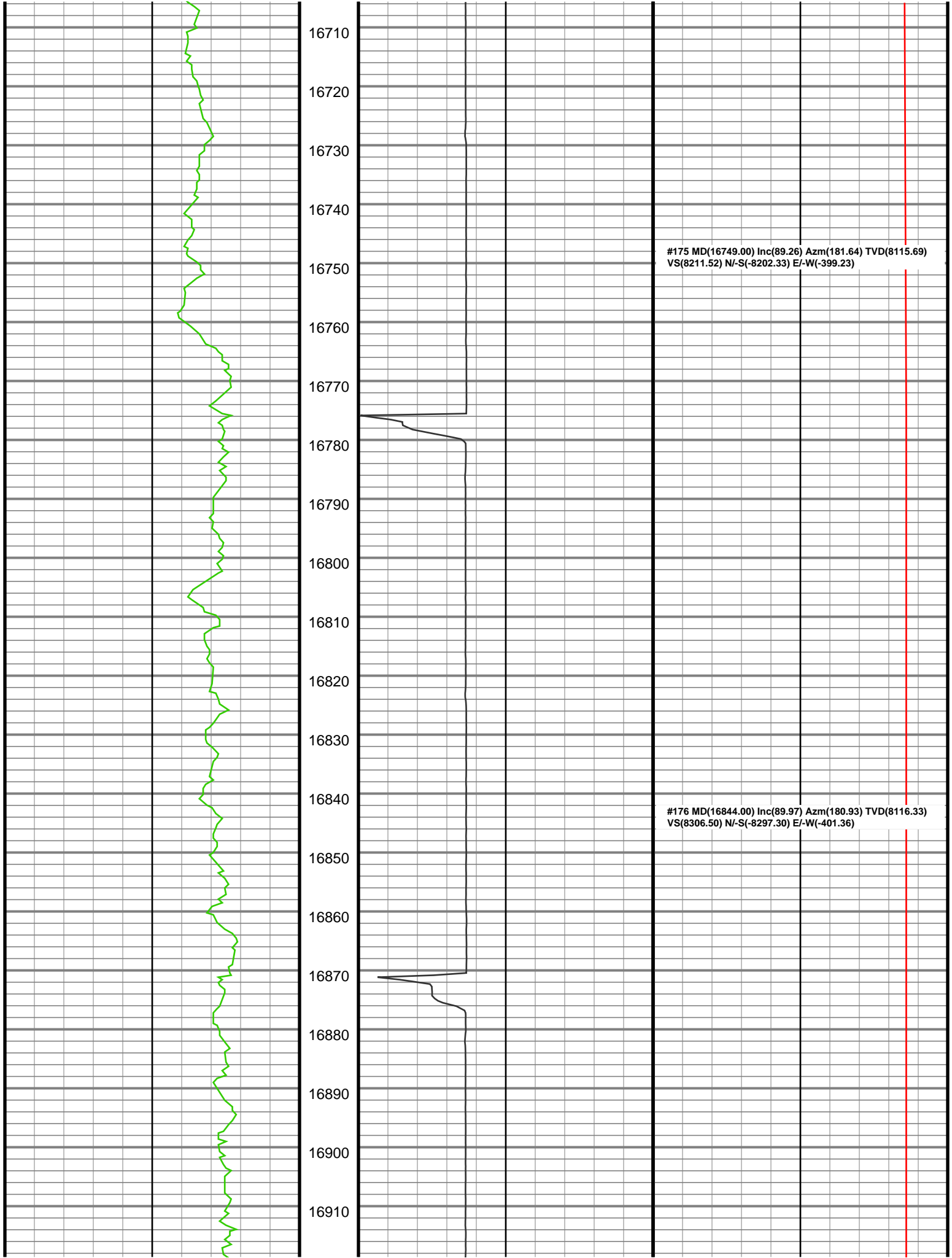


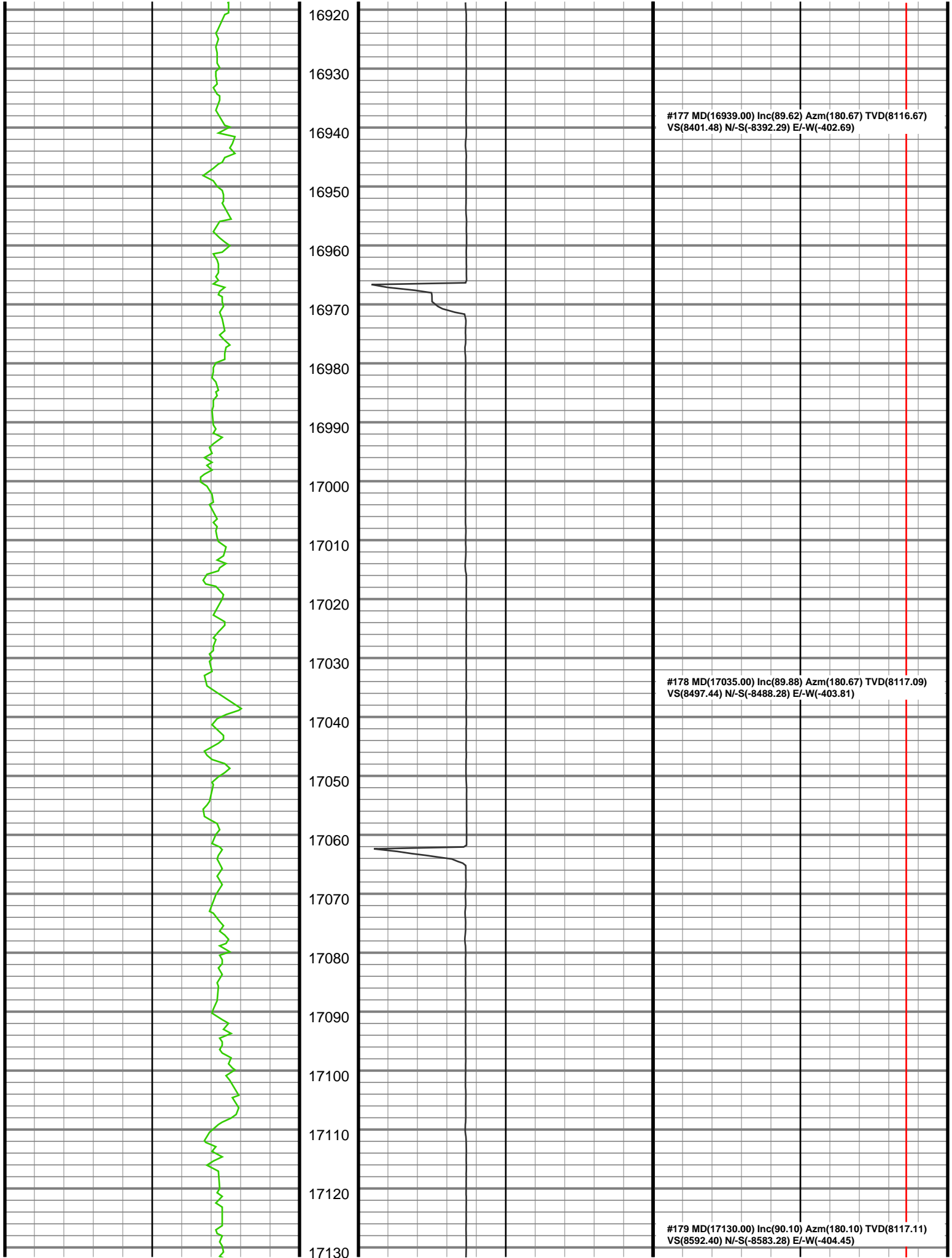


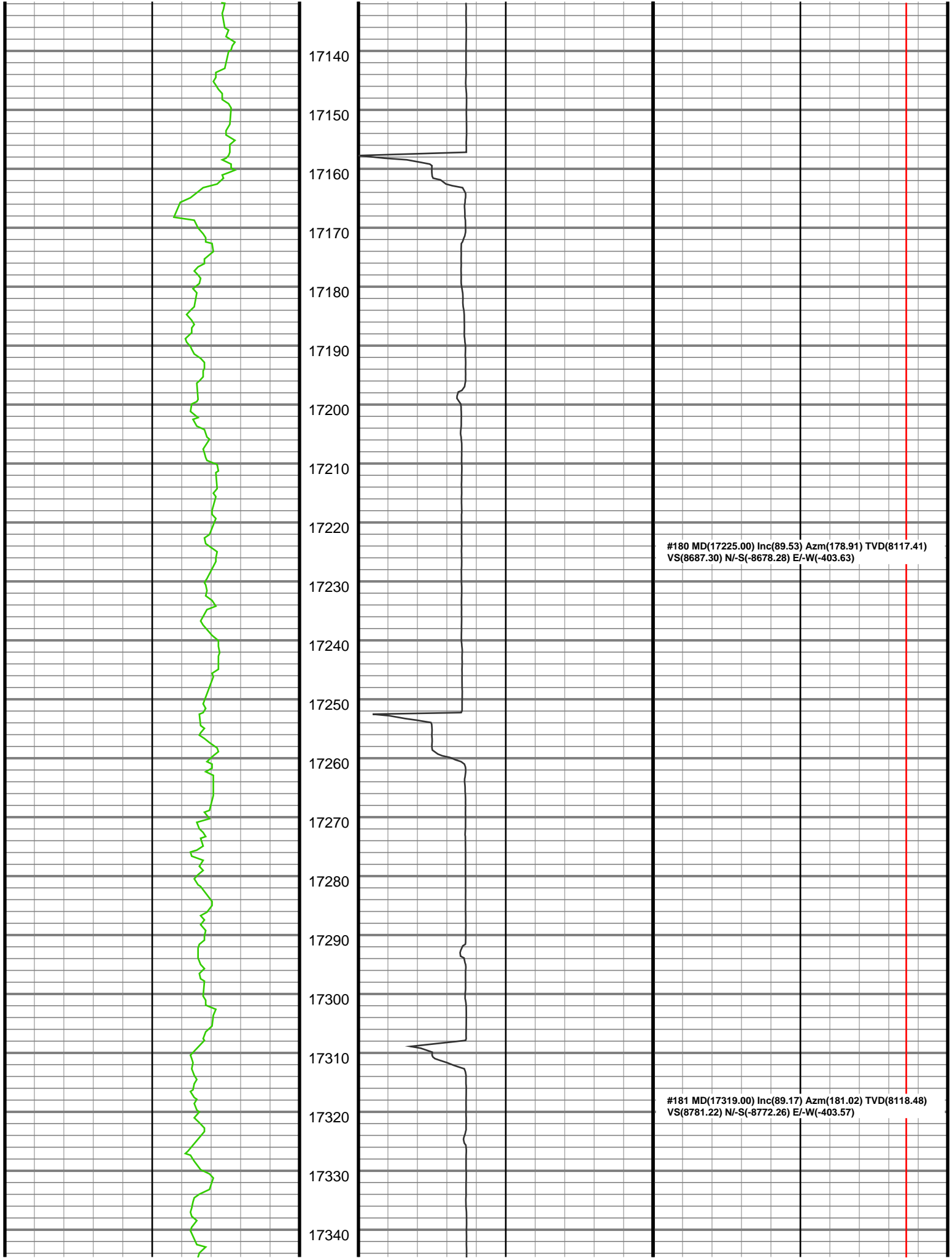
#171 MD(16367.00) Inc(89.57) Azm(177.80) TVD(8110.67)
VS(7830.01) N/-S(-7820.46) E/-W(-401.78)

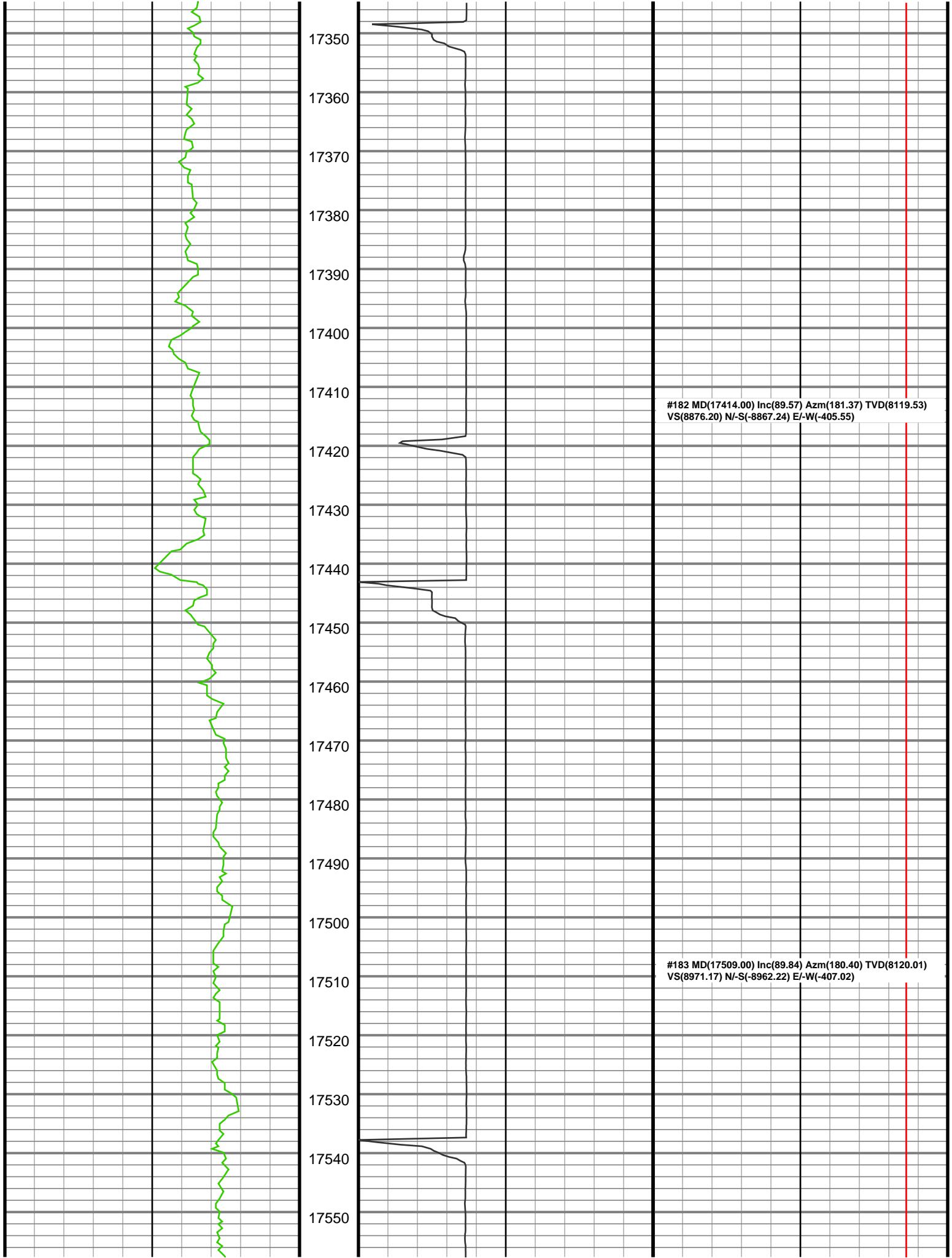
#172 MD(16463.00) Inc(89.26) Azm(178.42) TVD(8111.65)
VS(7925.76) N/-S(-7916.40) E/-W(-398.61)

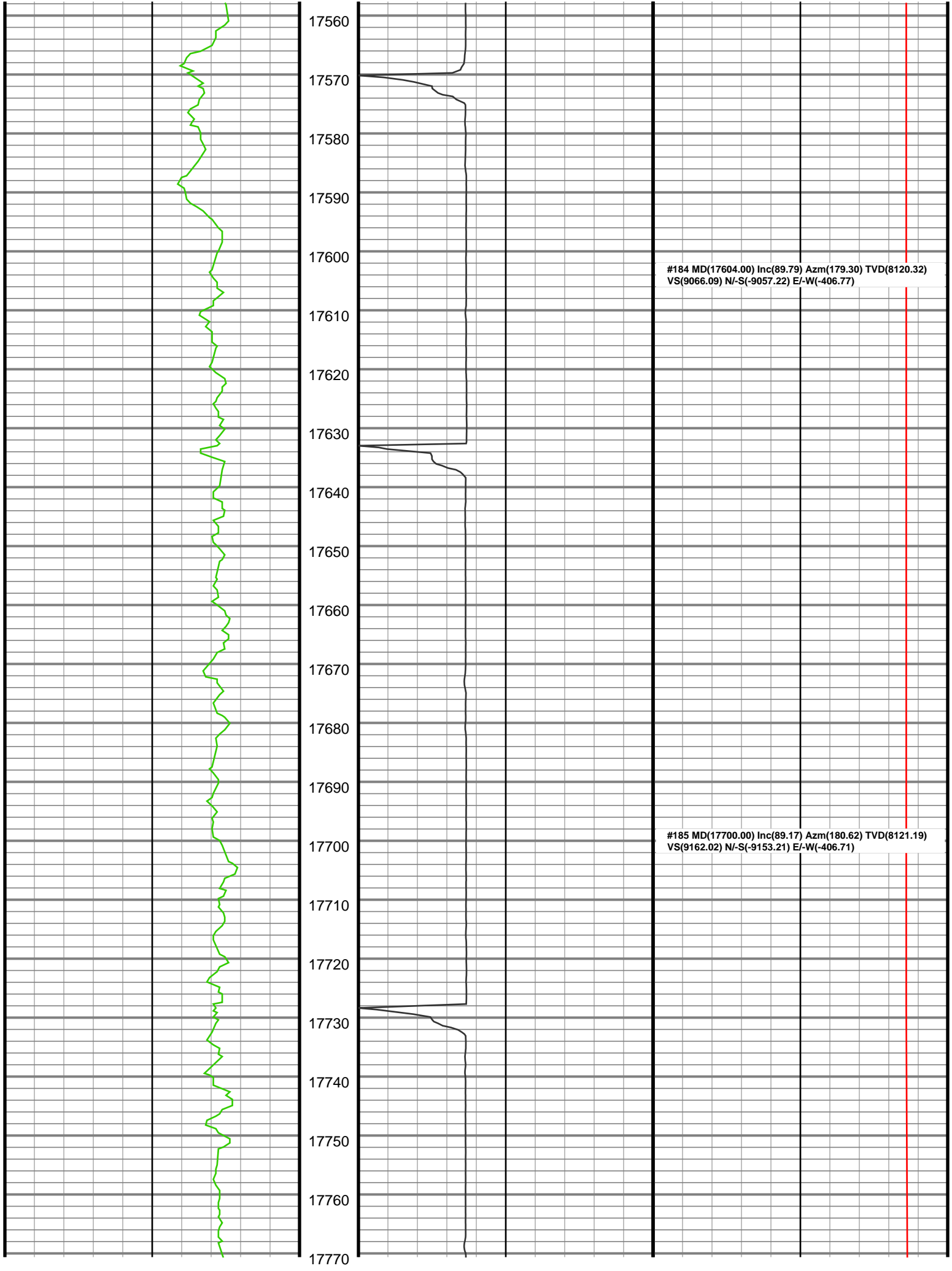


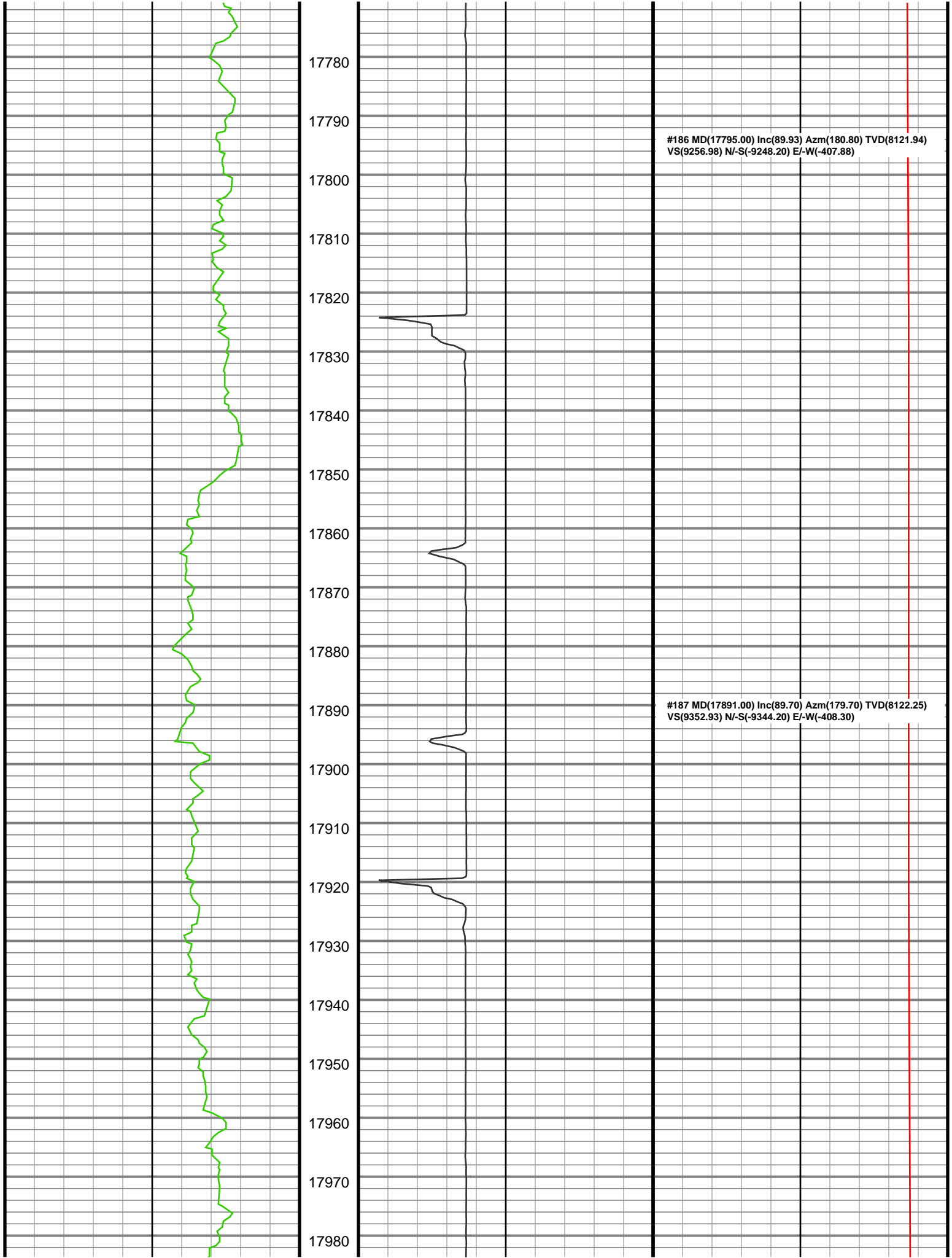


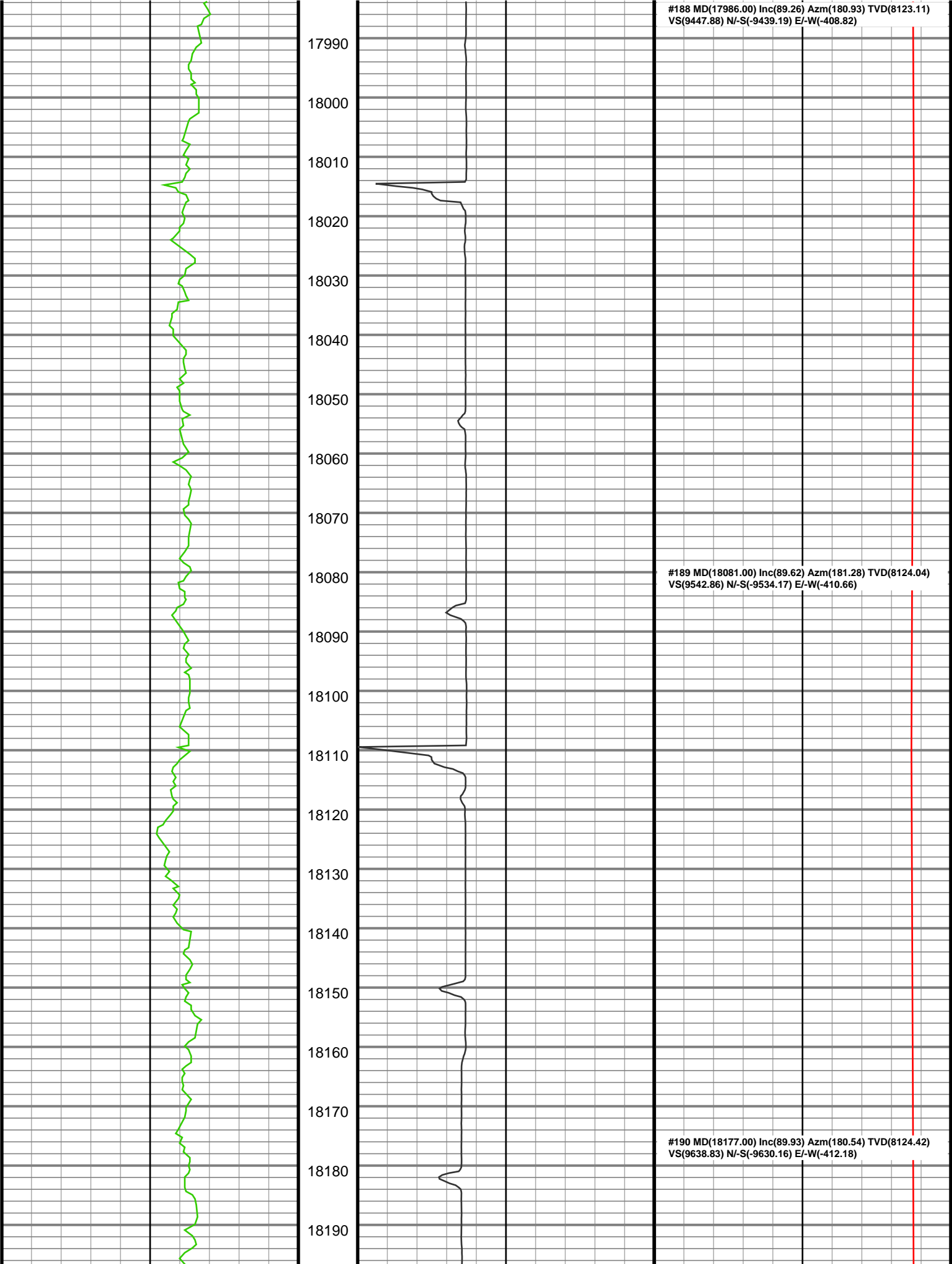


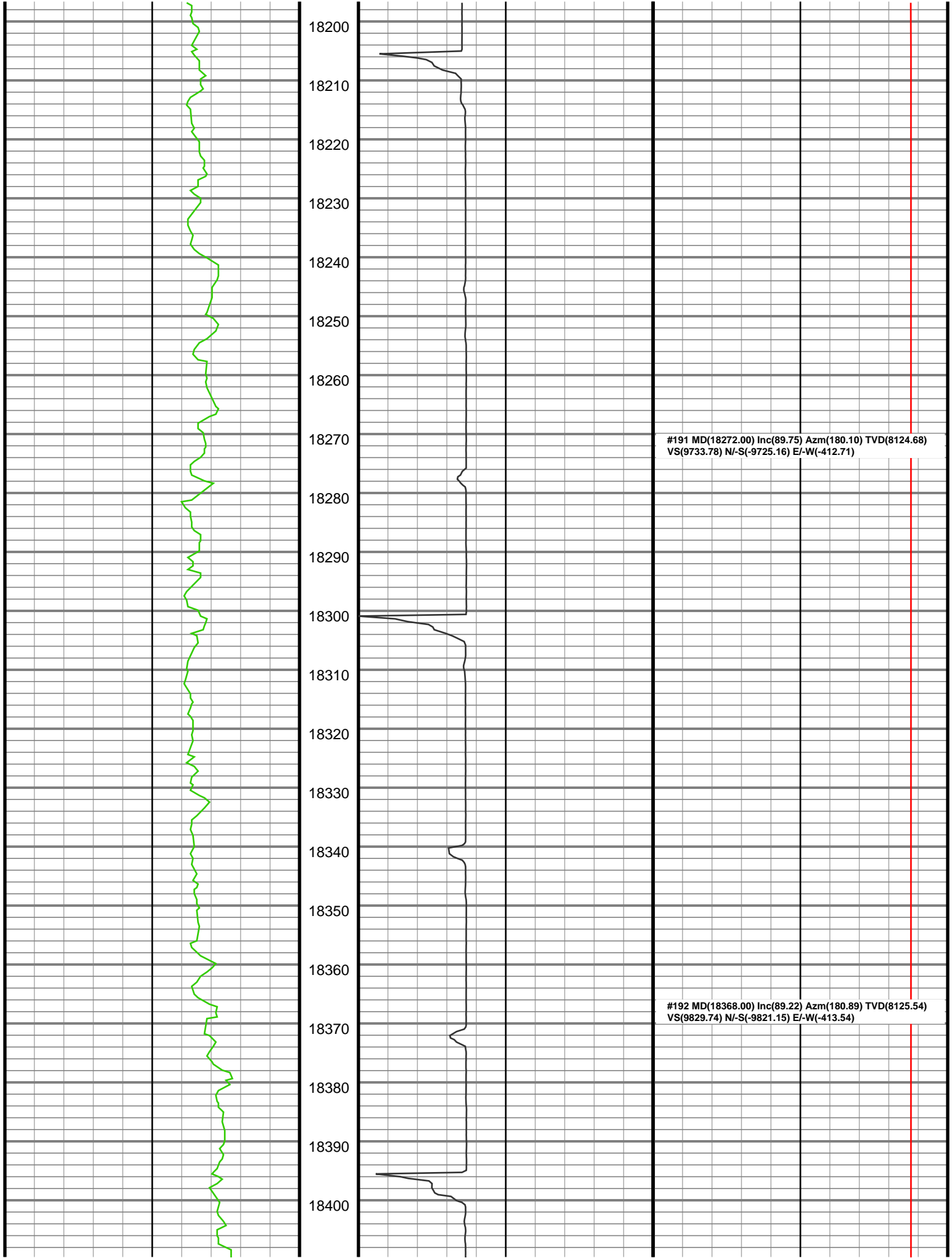


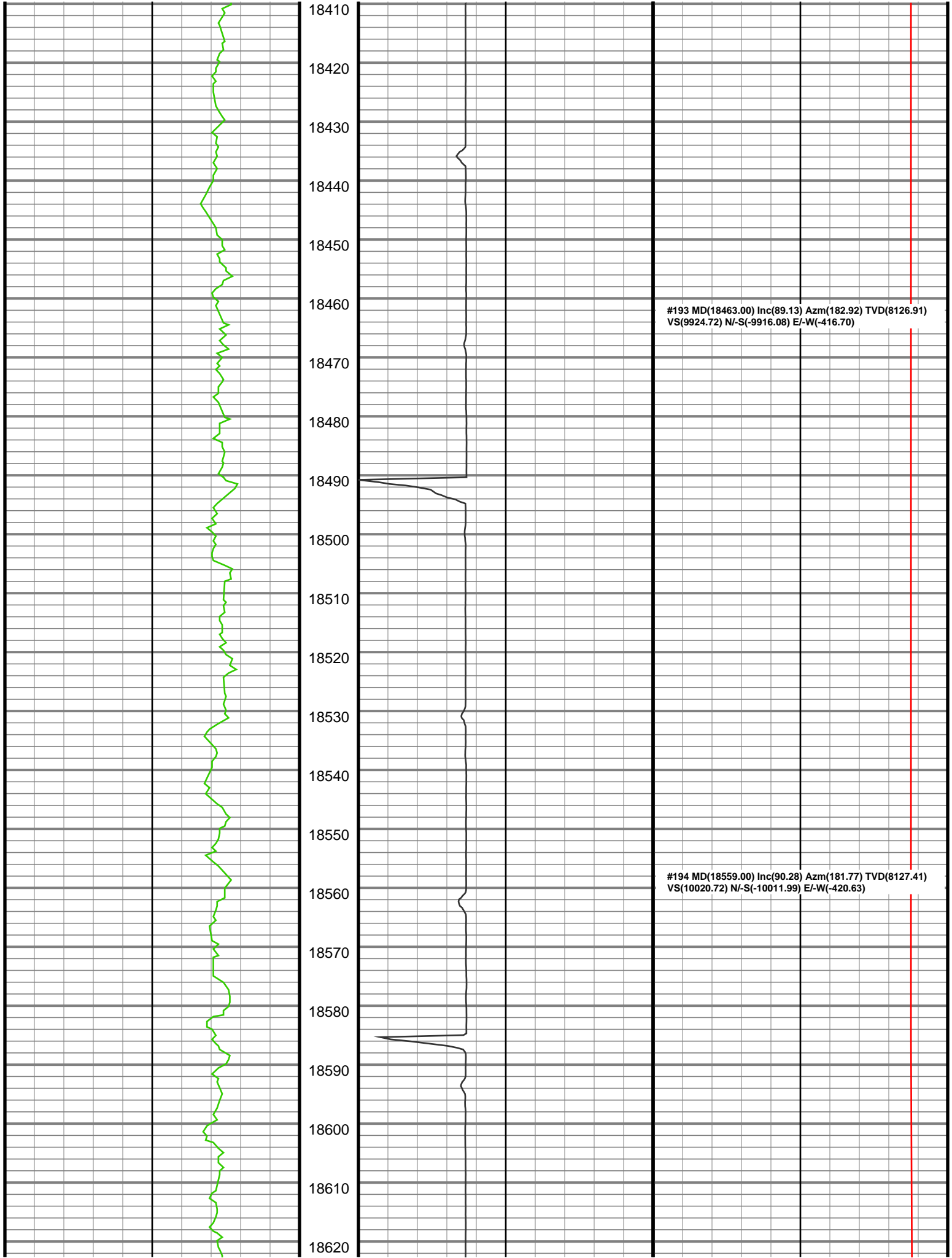


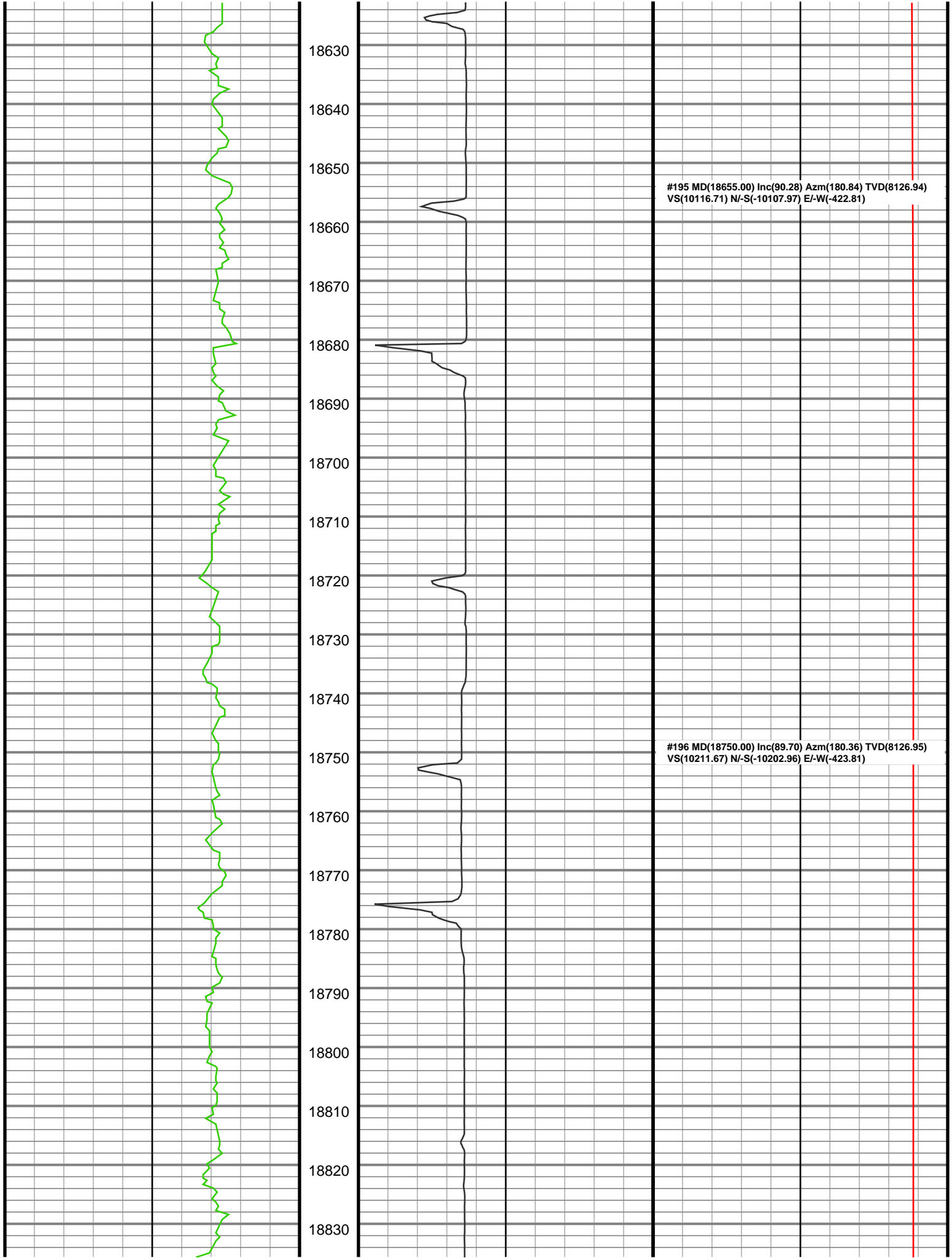


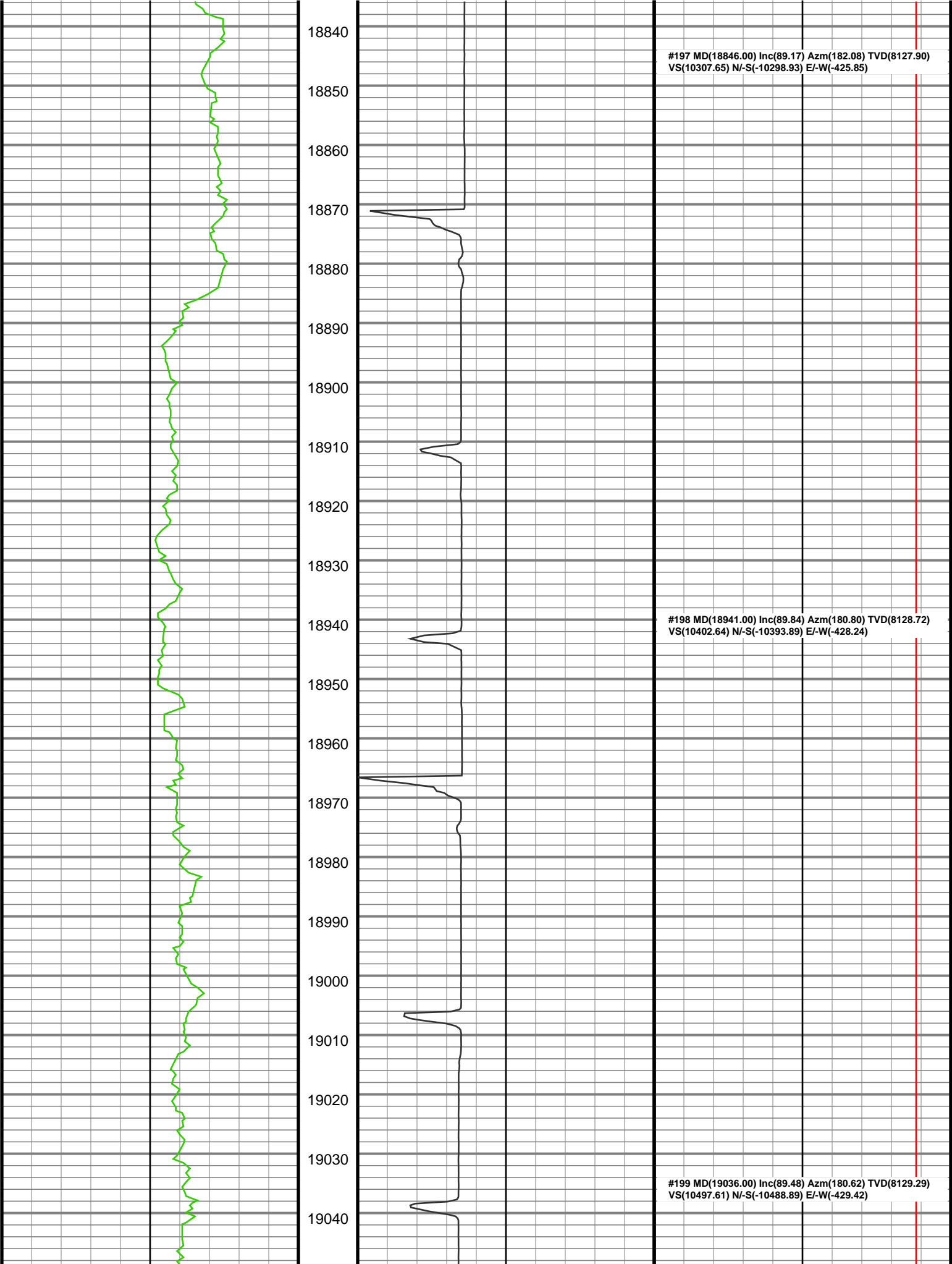


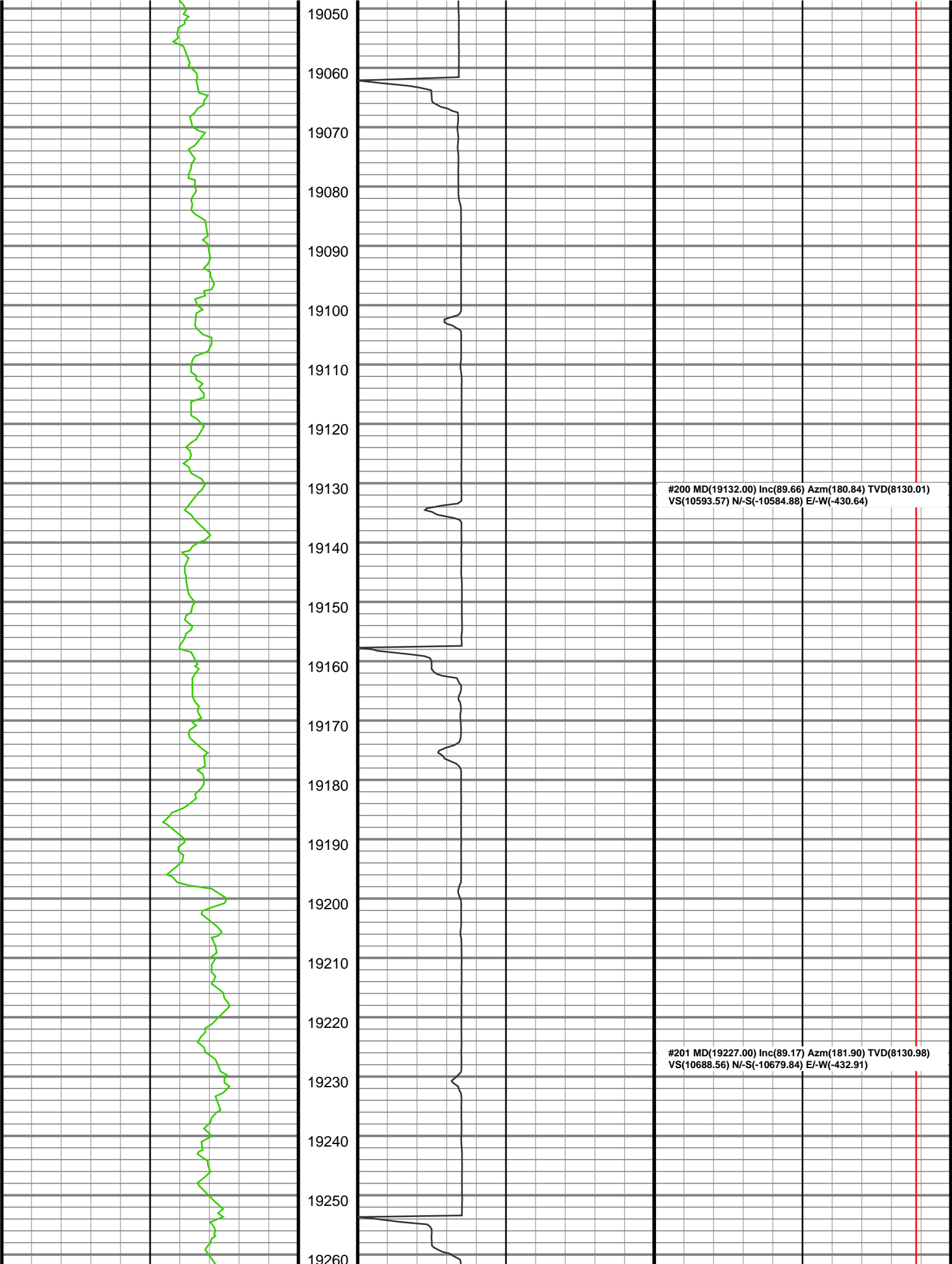


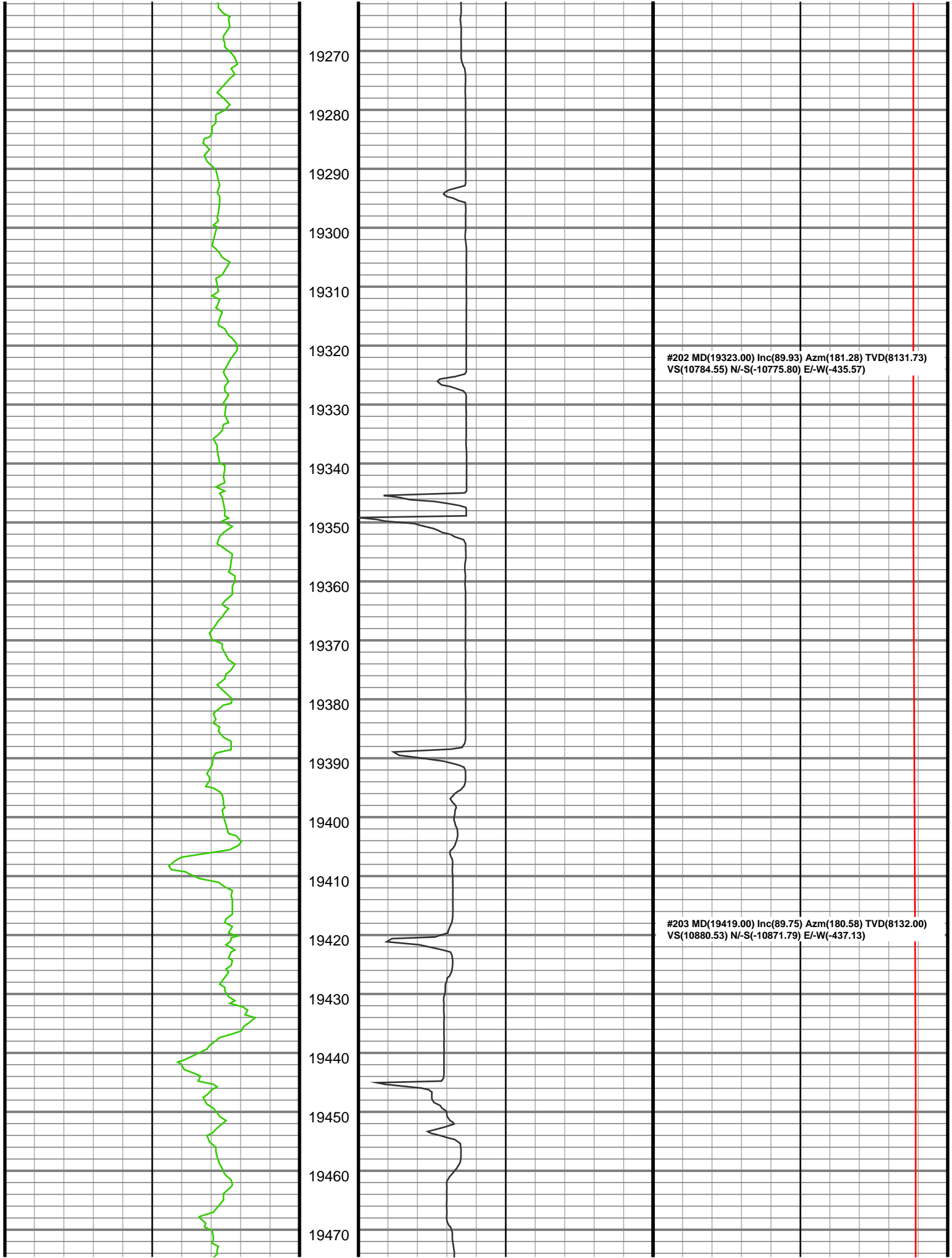


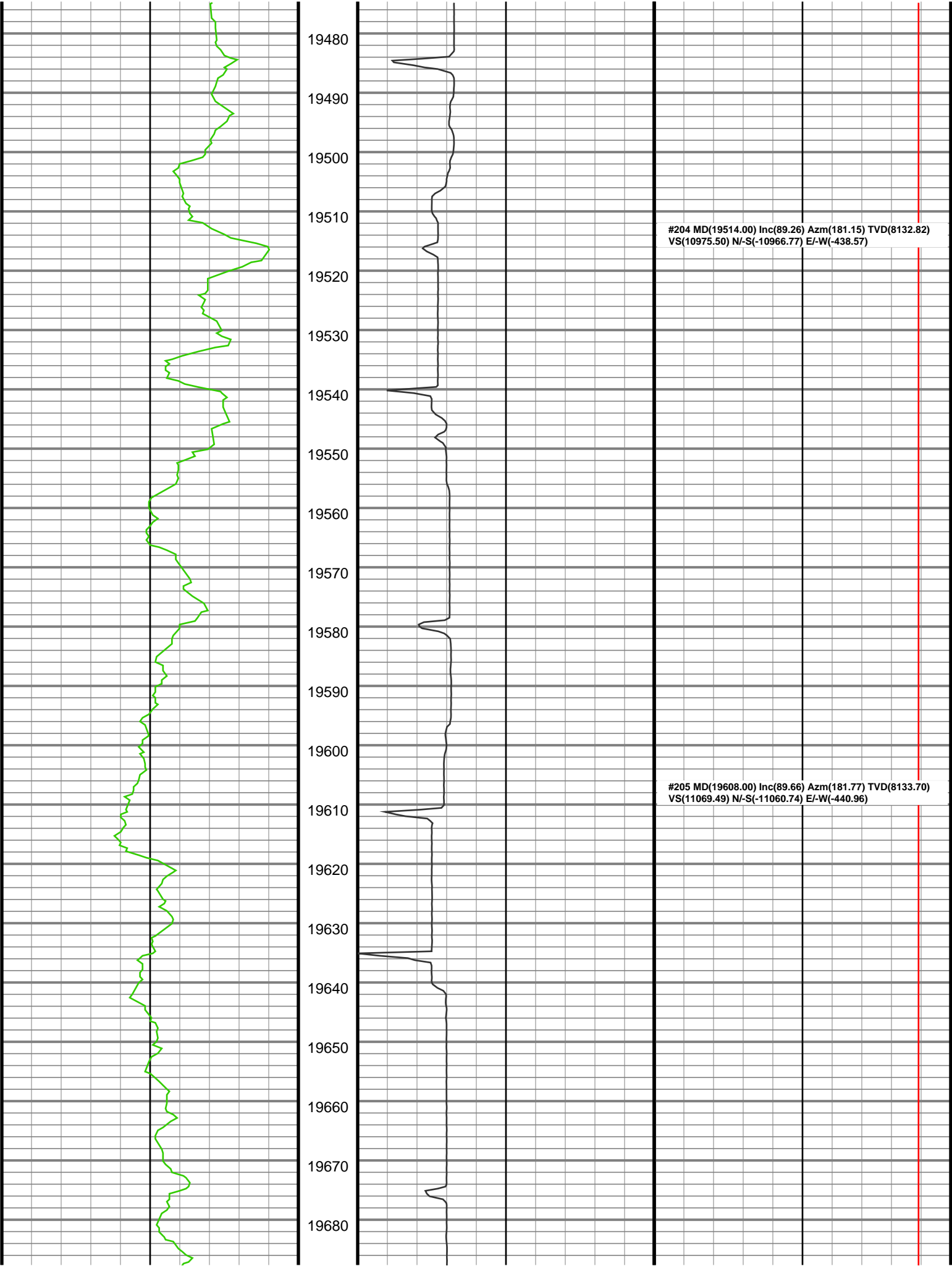


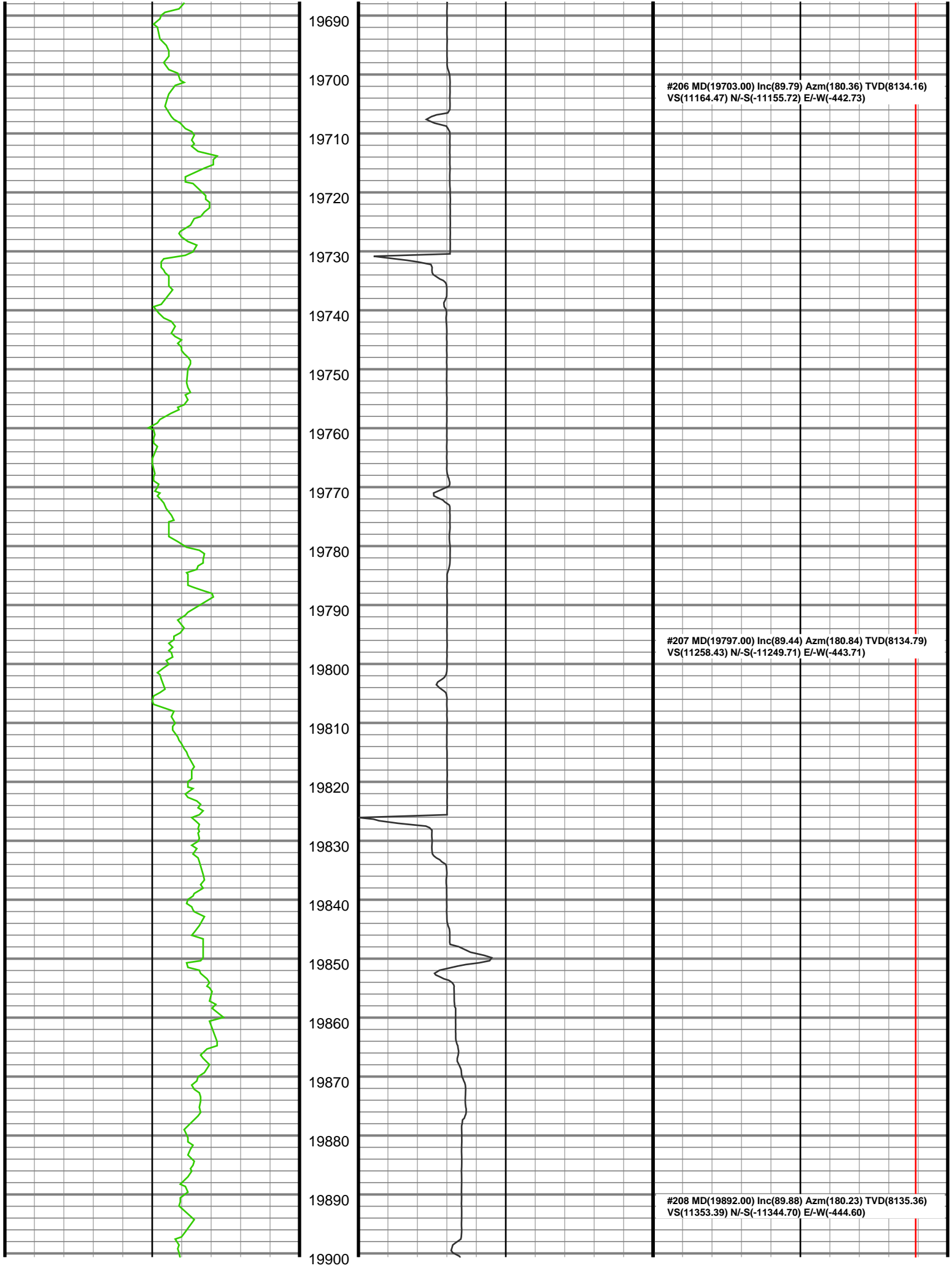


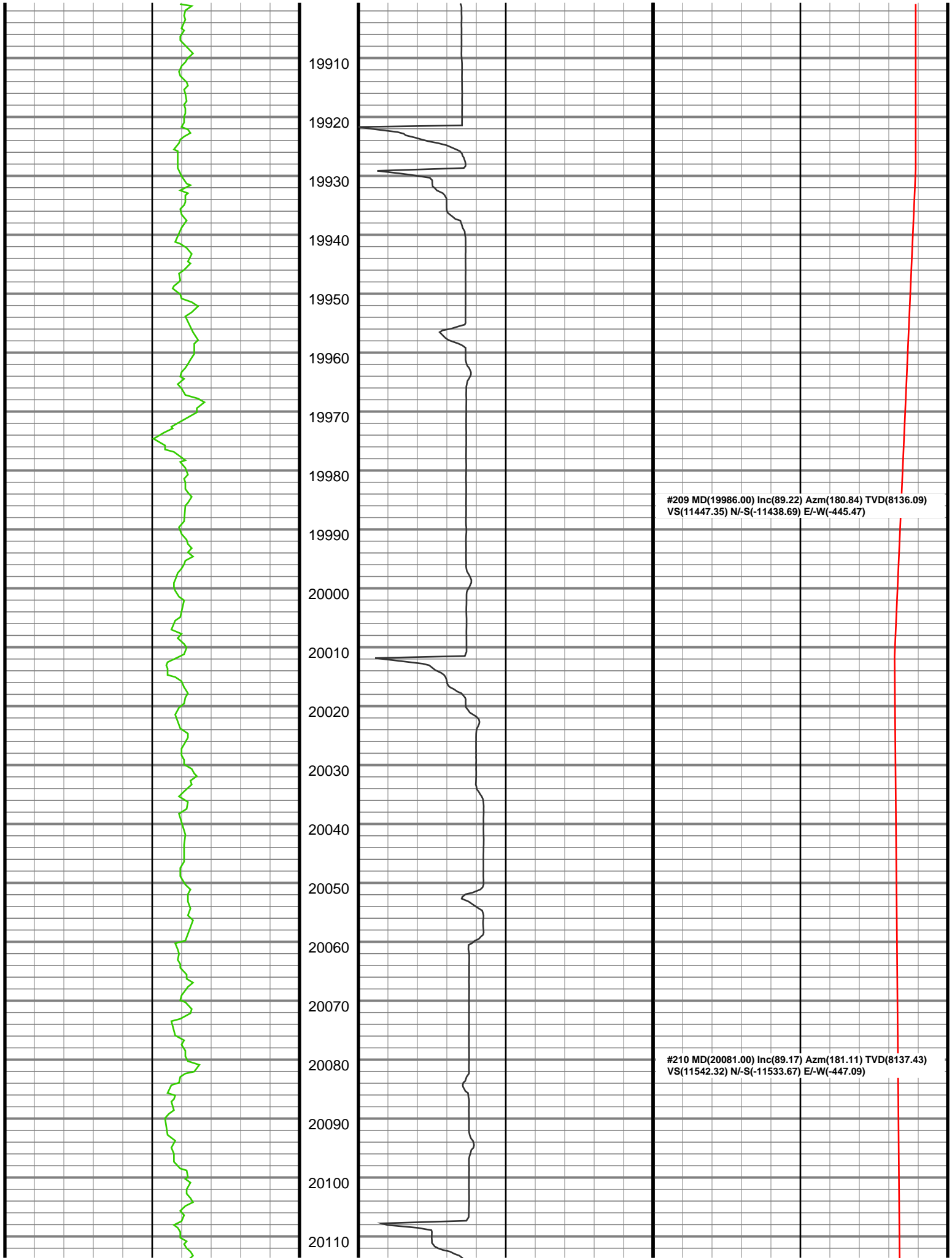


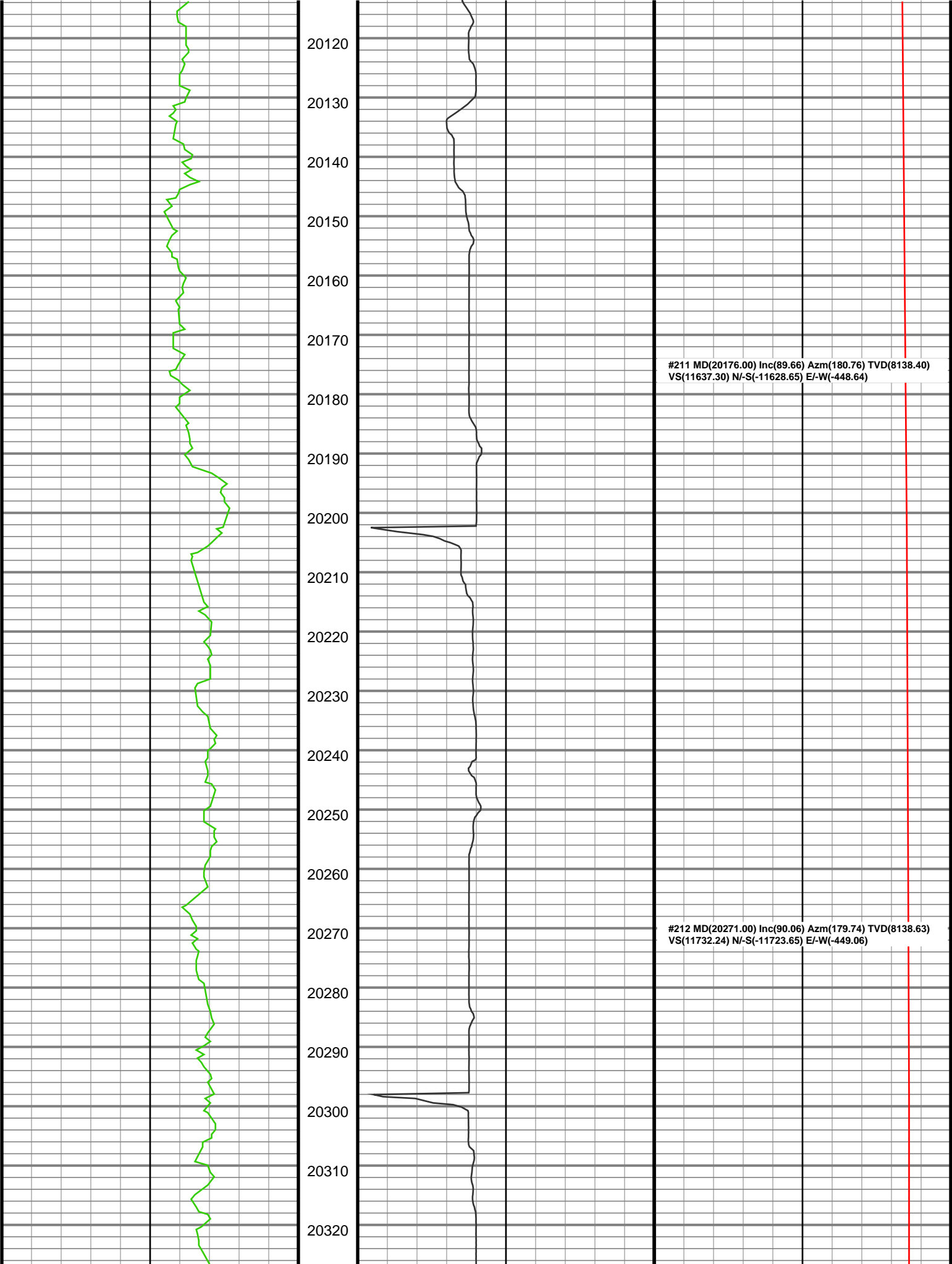


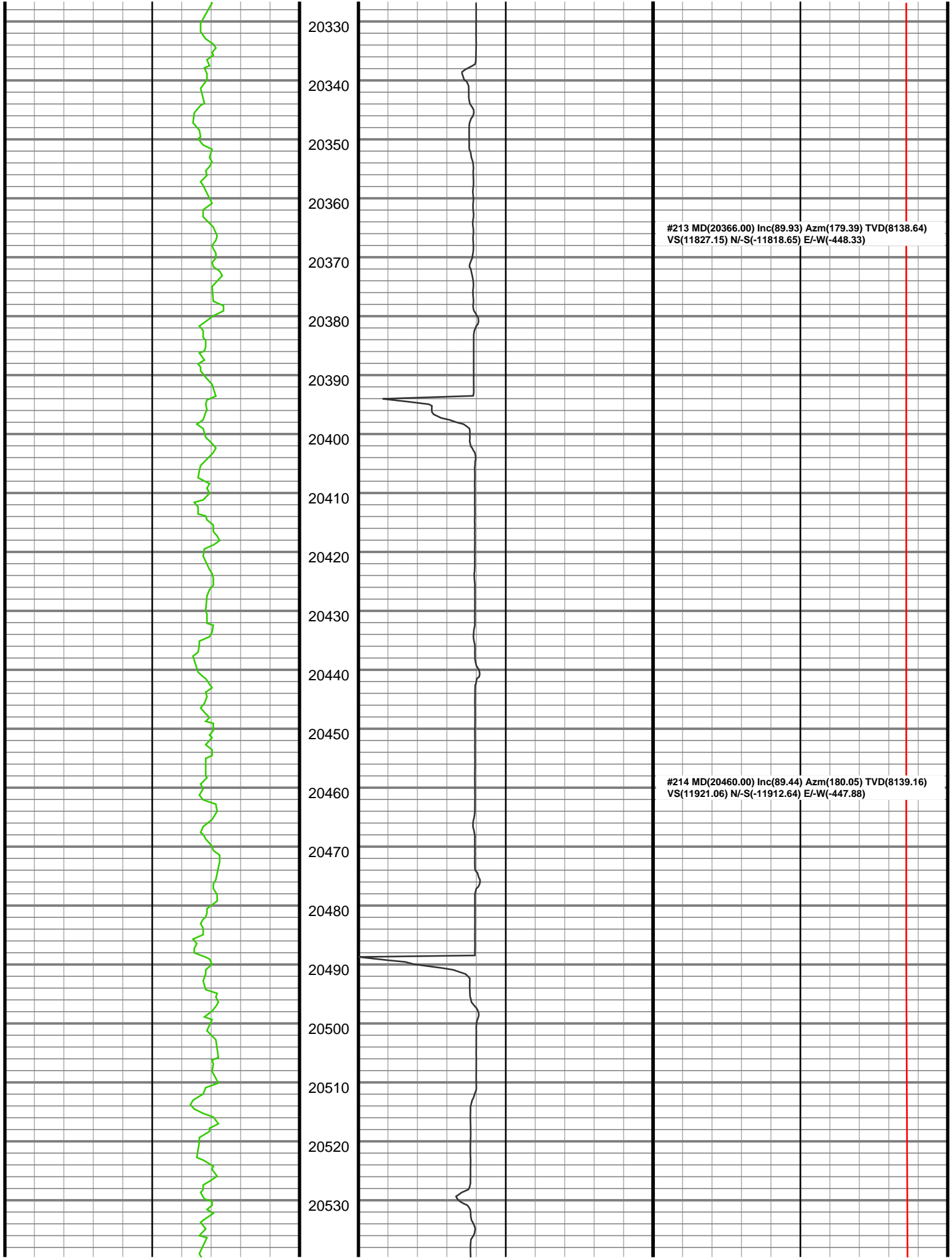


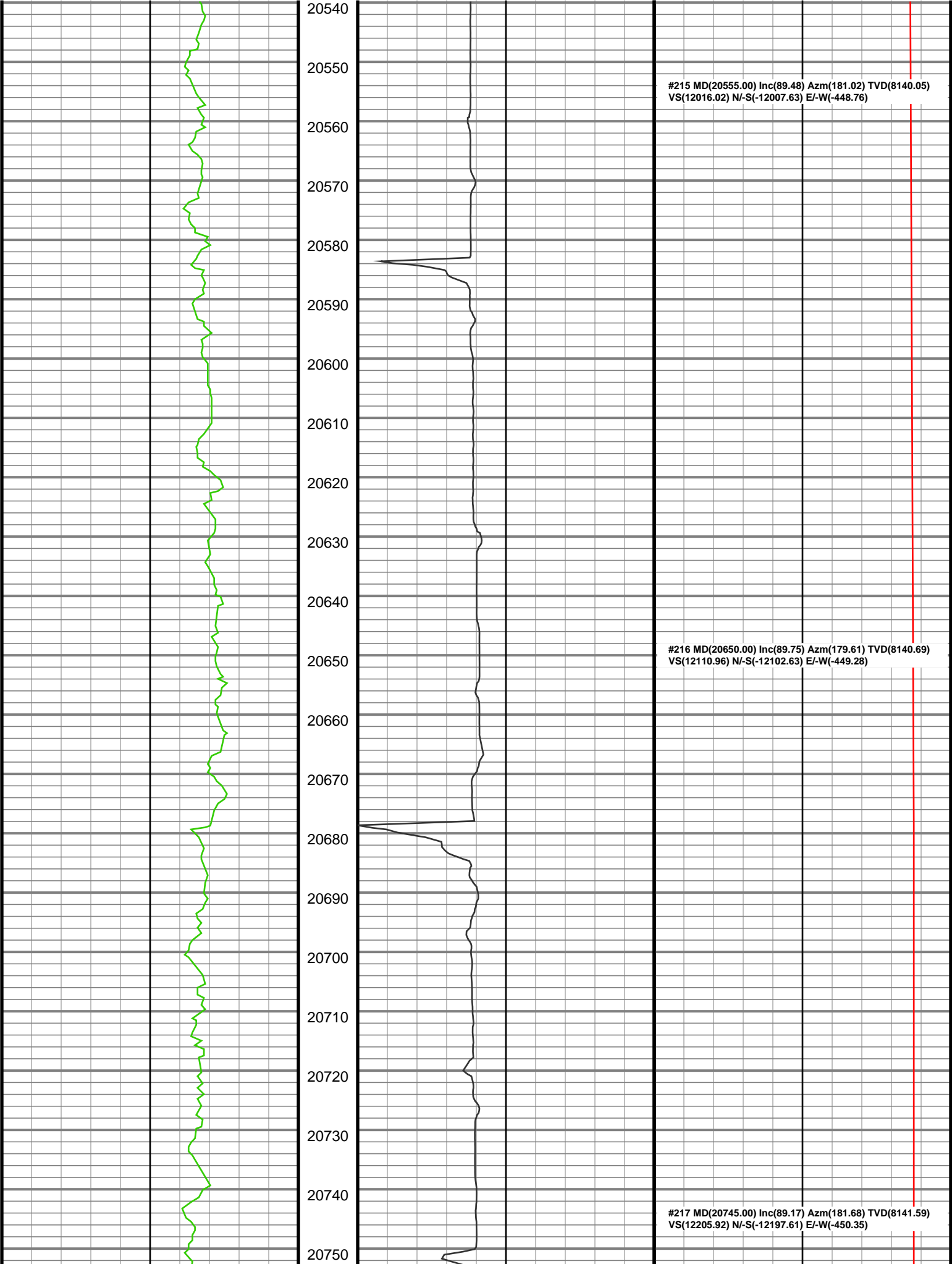


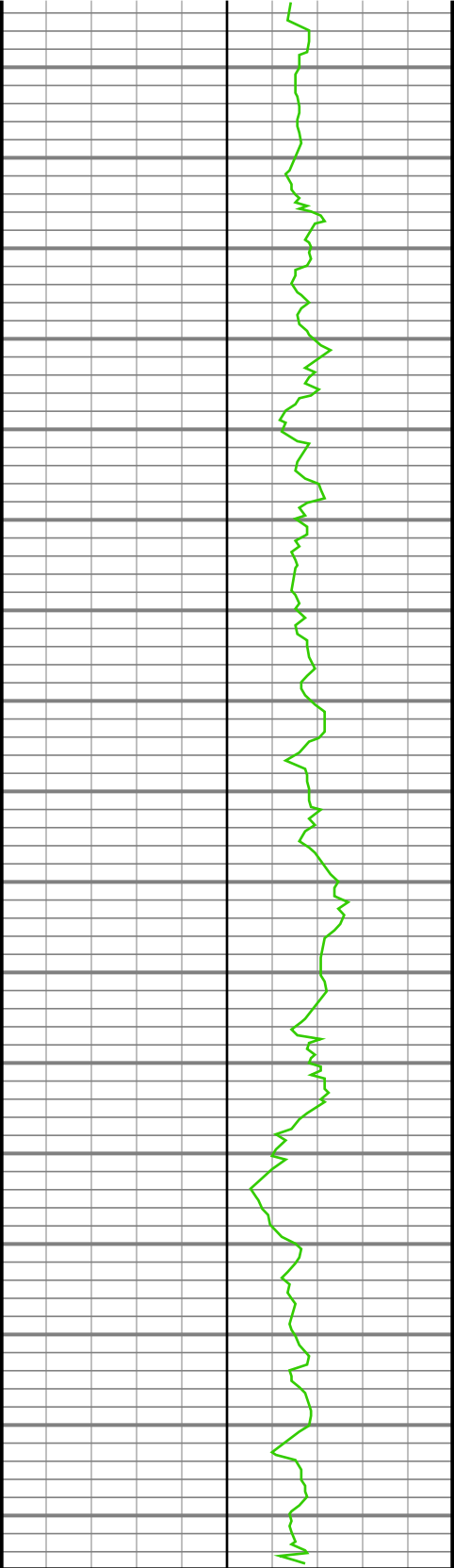




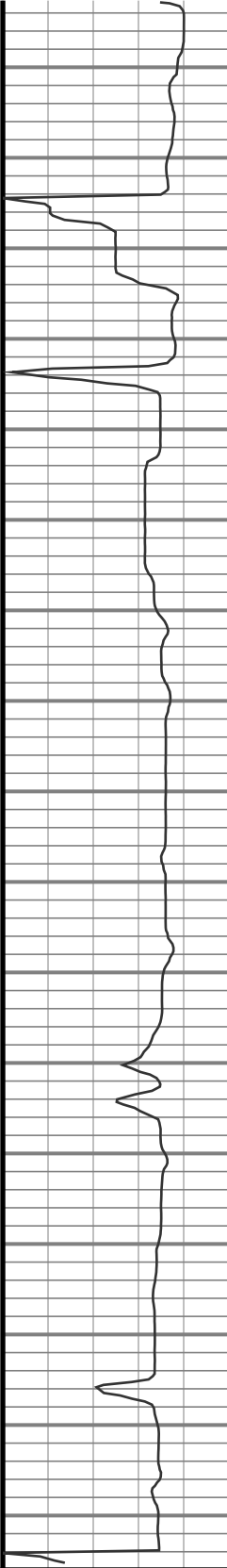








20760
20770
20780
20790
20800
20810
20820
20830
20840
20850
20860
20870
20880
20890
20900
20910
20920



20760
20770
20780
20790
20800
20810
20820
20830
20840
20850
20860
20870
20880
20890
20900
20910
20920

#218 MD(20839.00) Inc(90.10) Azm(179.92) TVD(8142.18)
VS(12299.89) N/-S(-12291.60) E/-W(-451.67)

#219 MD(20897.00) Inc(89.66) Azm(179.61) TVD(8142.31)
VS(12357.84) N/-S(-12349.60) E/-W(-451.43)

