Gamma Log

MD
5":100'

Company: Crestone Peak Resources
Well Name: Alamosa 5-64 6-1 1BH
API: 05-005-07524-00
County/Parish: Arapahoe
State/Prov: Colorado
Country: US
Job #: RM-230622

Company:	Crestone Peak Resources
Well Name:	Alamosa 5-64 6-1 1BH
API:	05-005-07524-00
County/Parish:	Arapahoe
State or Prov:	Colorado
Country:	US
Job number:	RM-230622
Field:	DJ Basin
Rig Identification:	Patterson 572
Survey Company:	Total Directional Services
Company Man	Danny Herrera
Company Man	Brent Moon
DD Days	Breven Williams
DD Nights	Robert Dix
MWD Days	Mark Aguilar
MWD Nights	David Gerstenberg

Log measurements: Gamma, ROP, Temp
Depth measured from: KB 6023 ft
Maximum temperature: 261

	Depth	Date
Start:	0' ft	04-30-2023
End:	18,608' ft	05-05-2023

Casing	Depth	Size
Surface:	3,355 ft	9 5/8"
Intermediate:		

Mud type: OBM
Density: 9.5
Viscosity: 45
Rm: N/A **Rmf:** N/A **Rmc:** N/A

Elevations	
KB:	6023
DF:	25
GL:	5998

Run	Bit Size	Gamma Factor	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	13.50"	N/A		66.00 ft	0 ft	3,355 ft	04-30-2023	05-01-2023
2	8.5"	8.8	45.05 ft	64.00 ft	3,355 ft	18,608 ft	05-02-2023	05-05-2023
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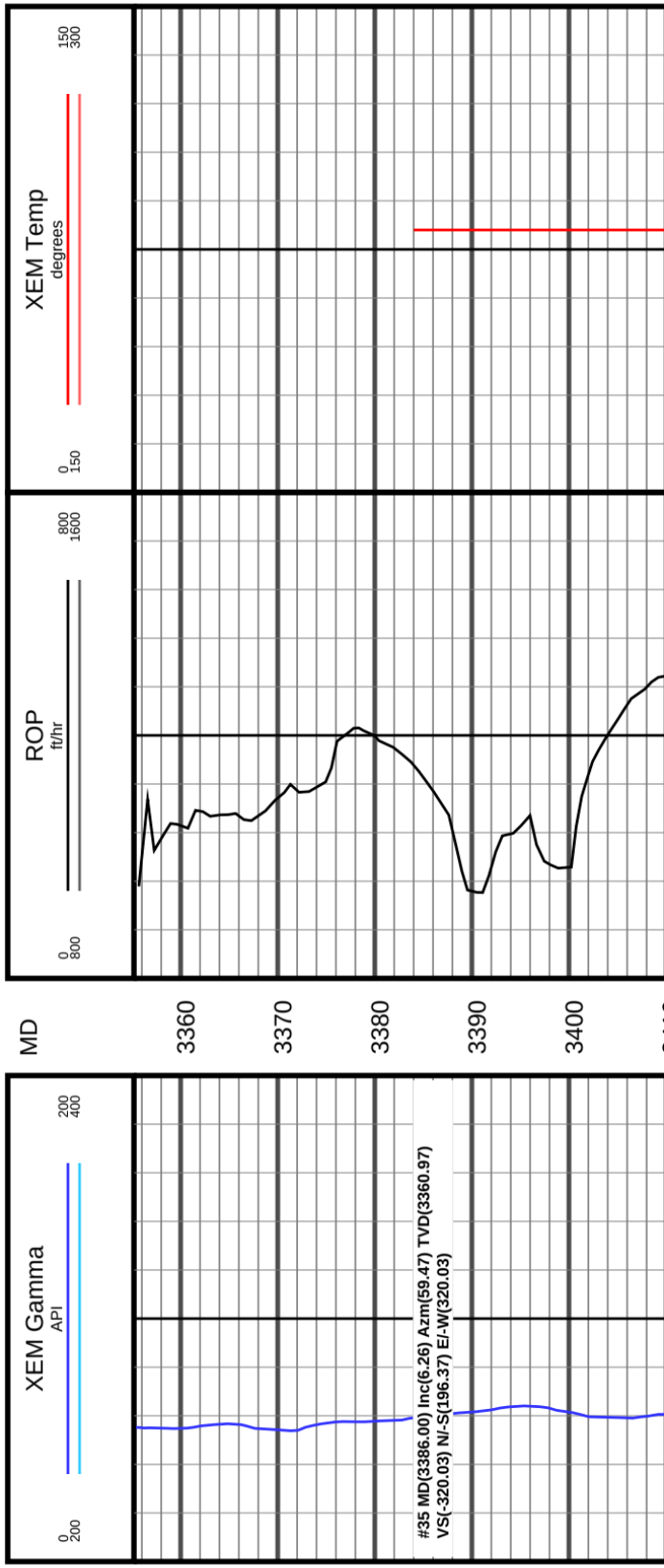
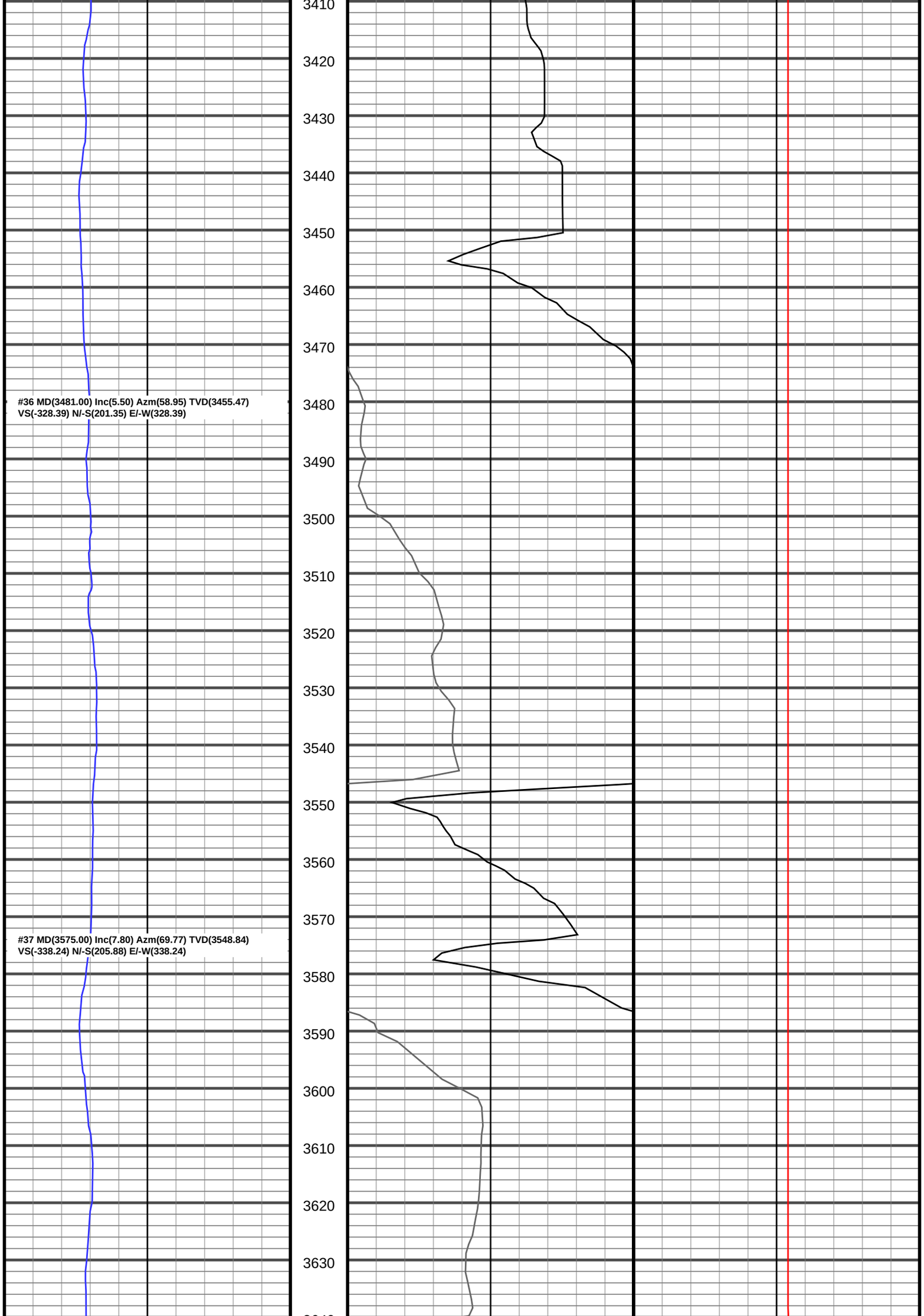
API# 05-005-07524-00 WELL: Alamosa 5-64 6-1 1BH
Type of Log: Gamma Logging started at 17:45 on 05/02/2023
Ending at 09:04 on 05/05/2023 Depth Relative to RKB @ at 6,021' Ft
Logging Company: Total Directional Services LLC Top of log: 3,355' Bottom of Log: 18,608'

Total 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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#36 MD(3481.00) Inc(5.50) Azm(58.95) TVD(3455.47)
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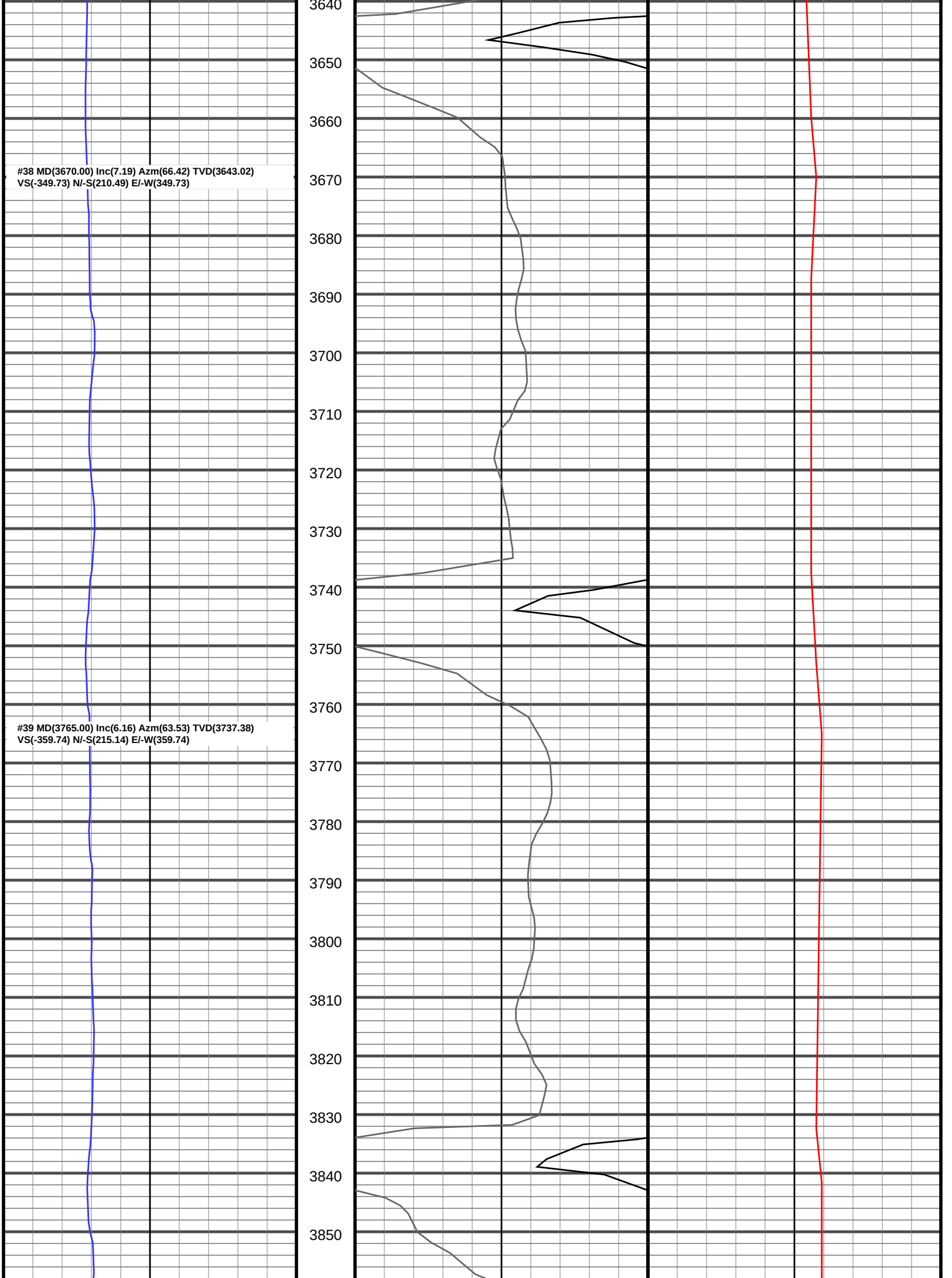
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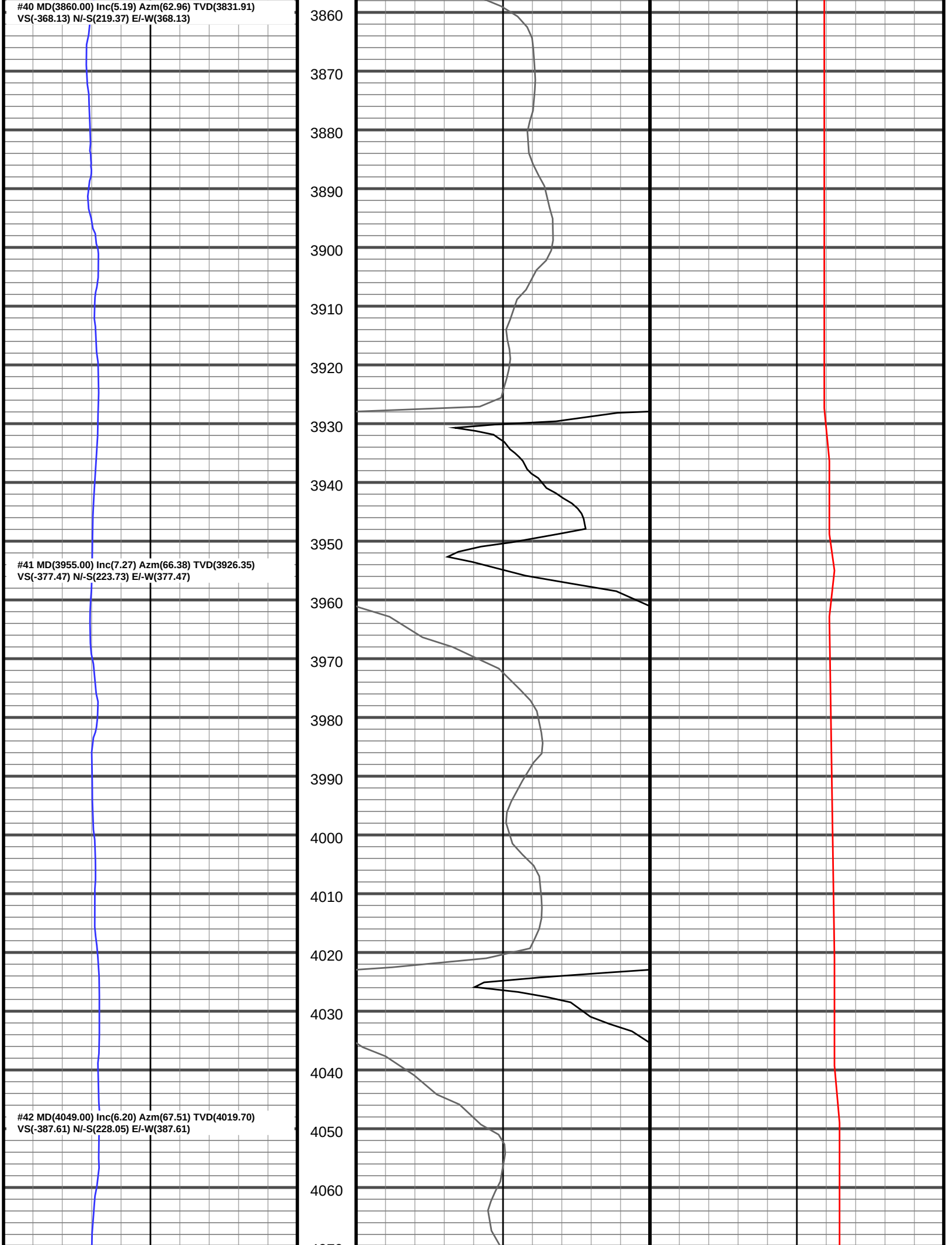
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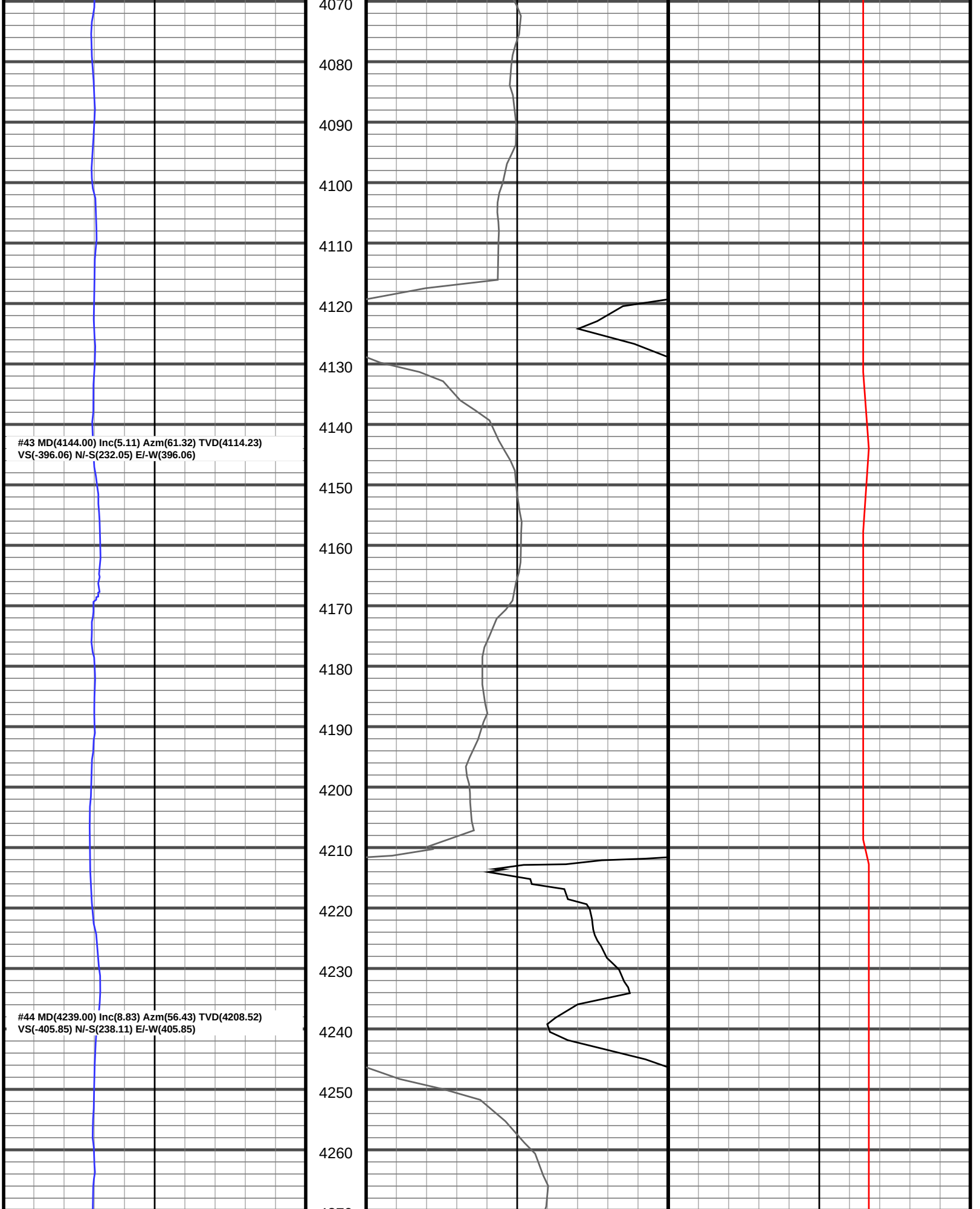
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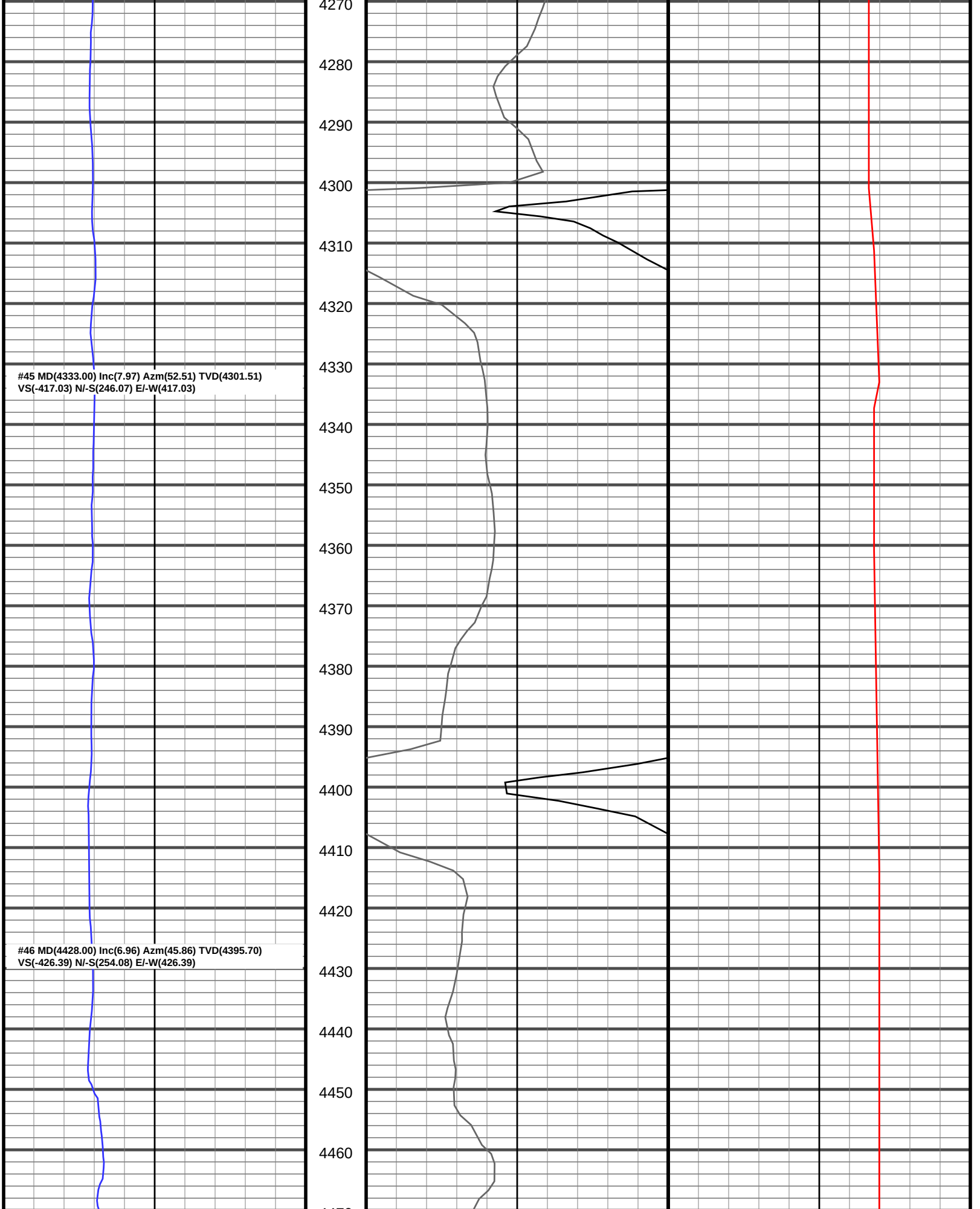
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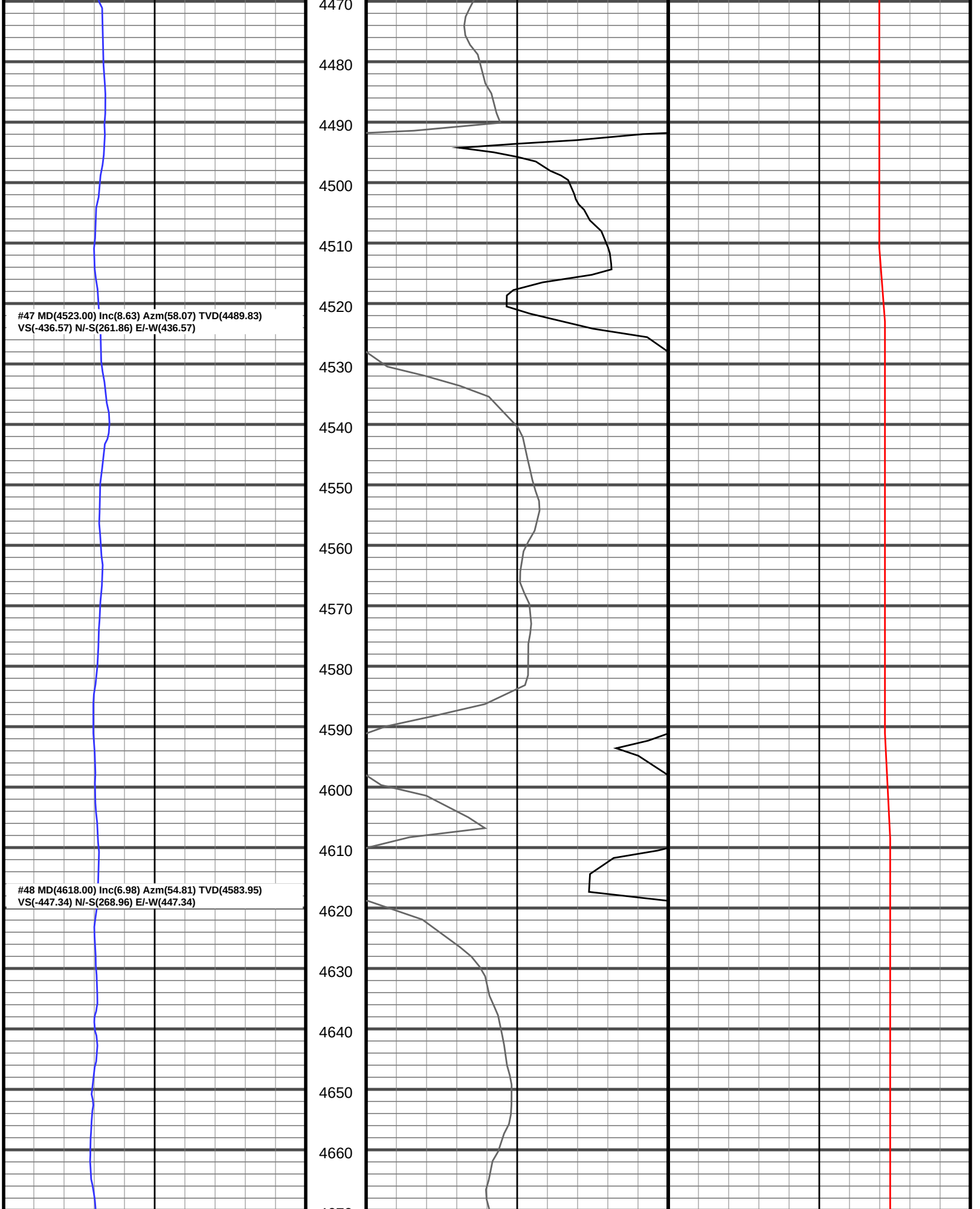
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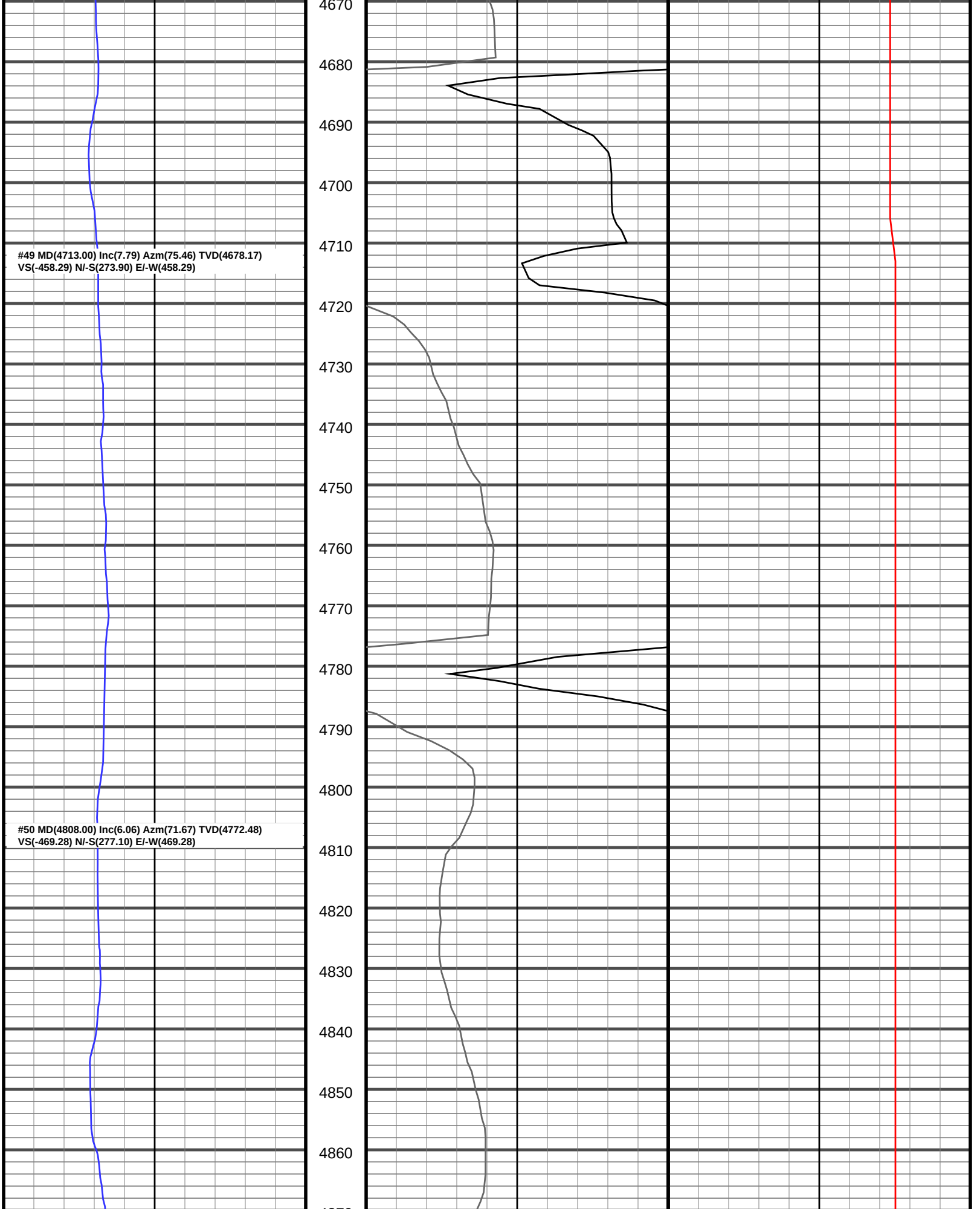
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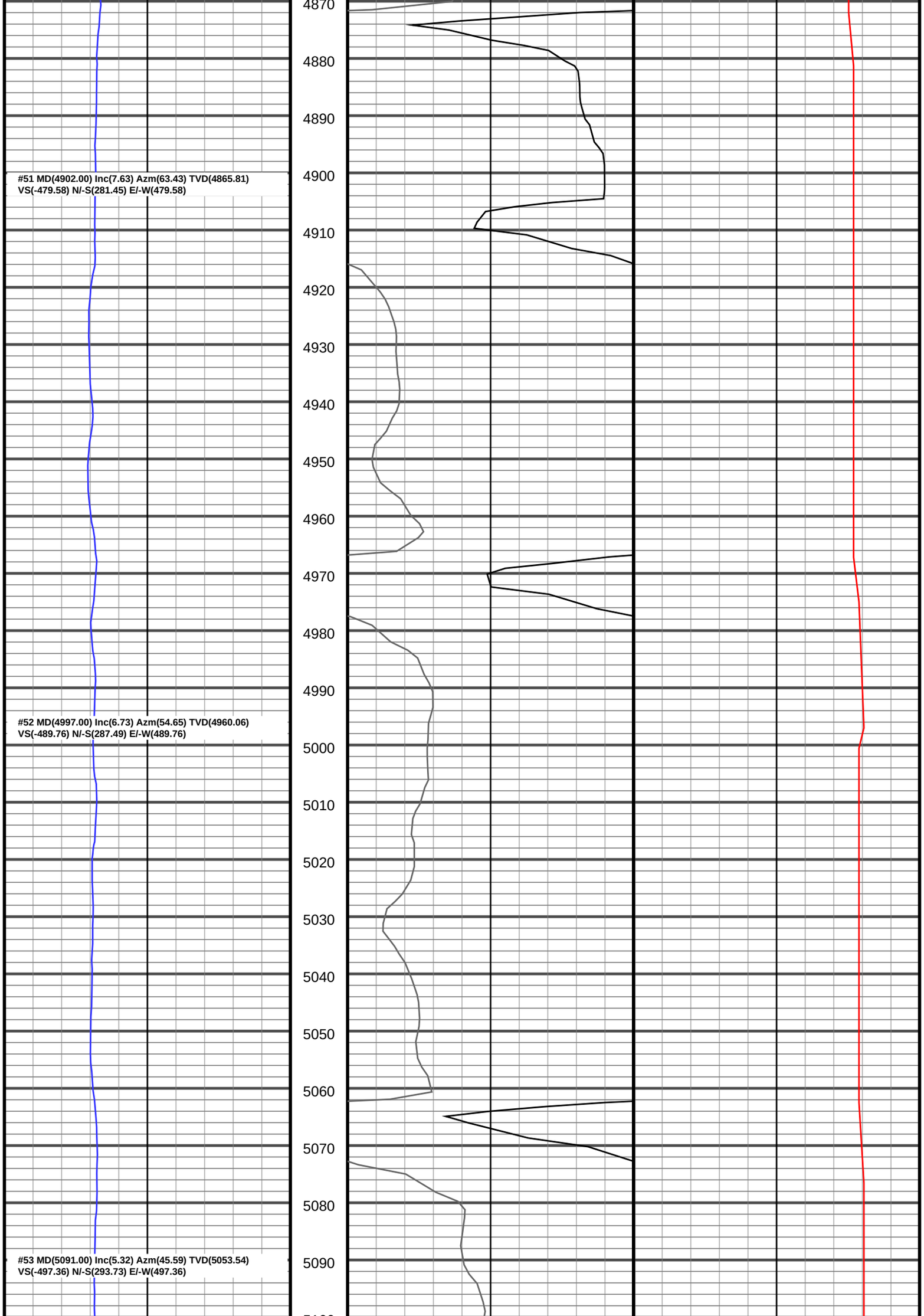
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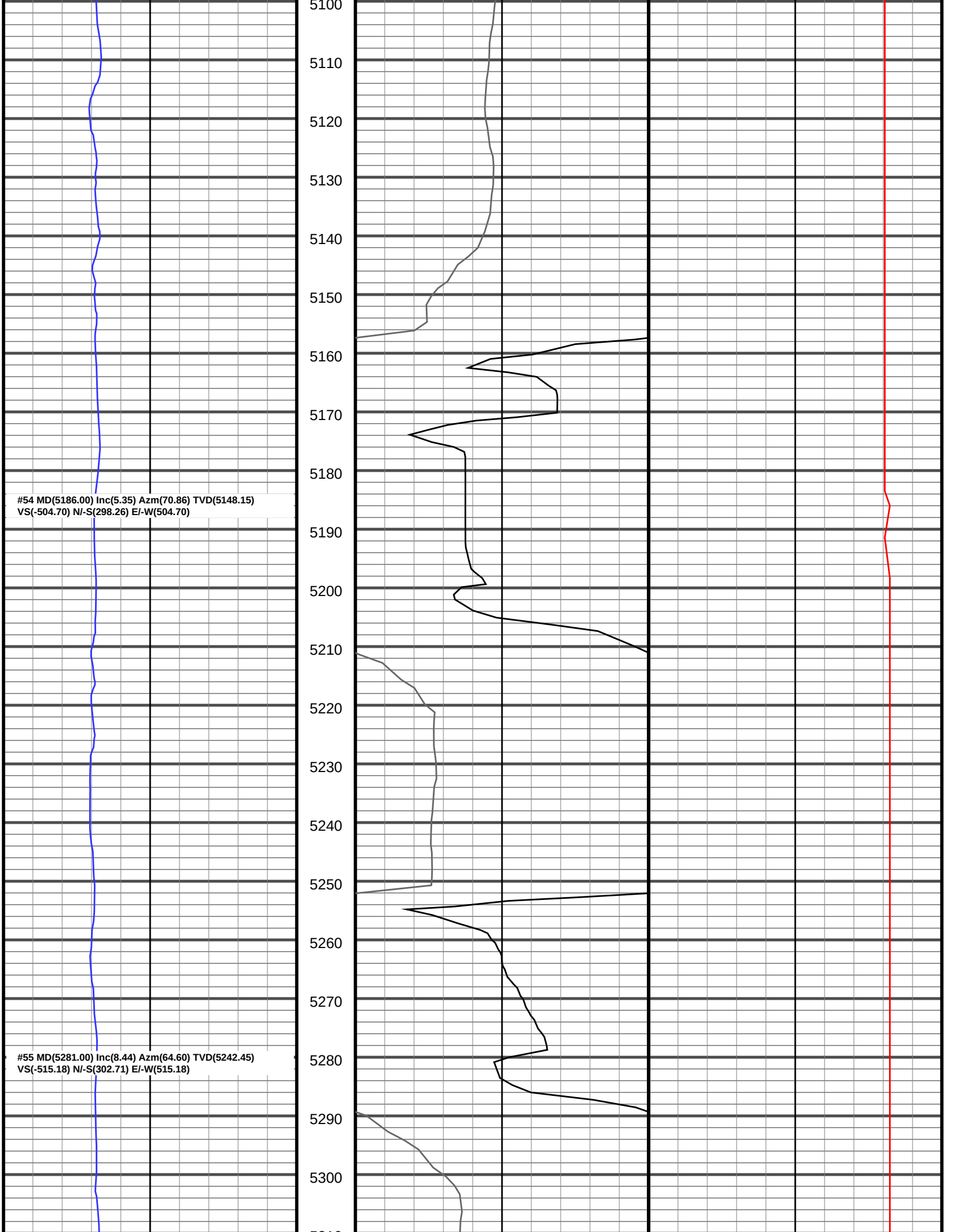
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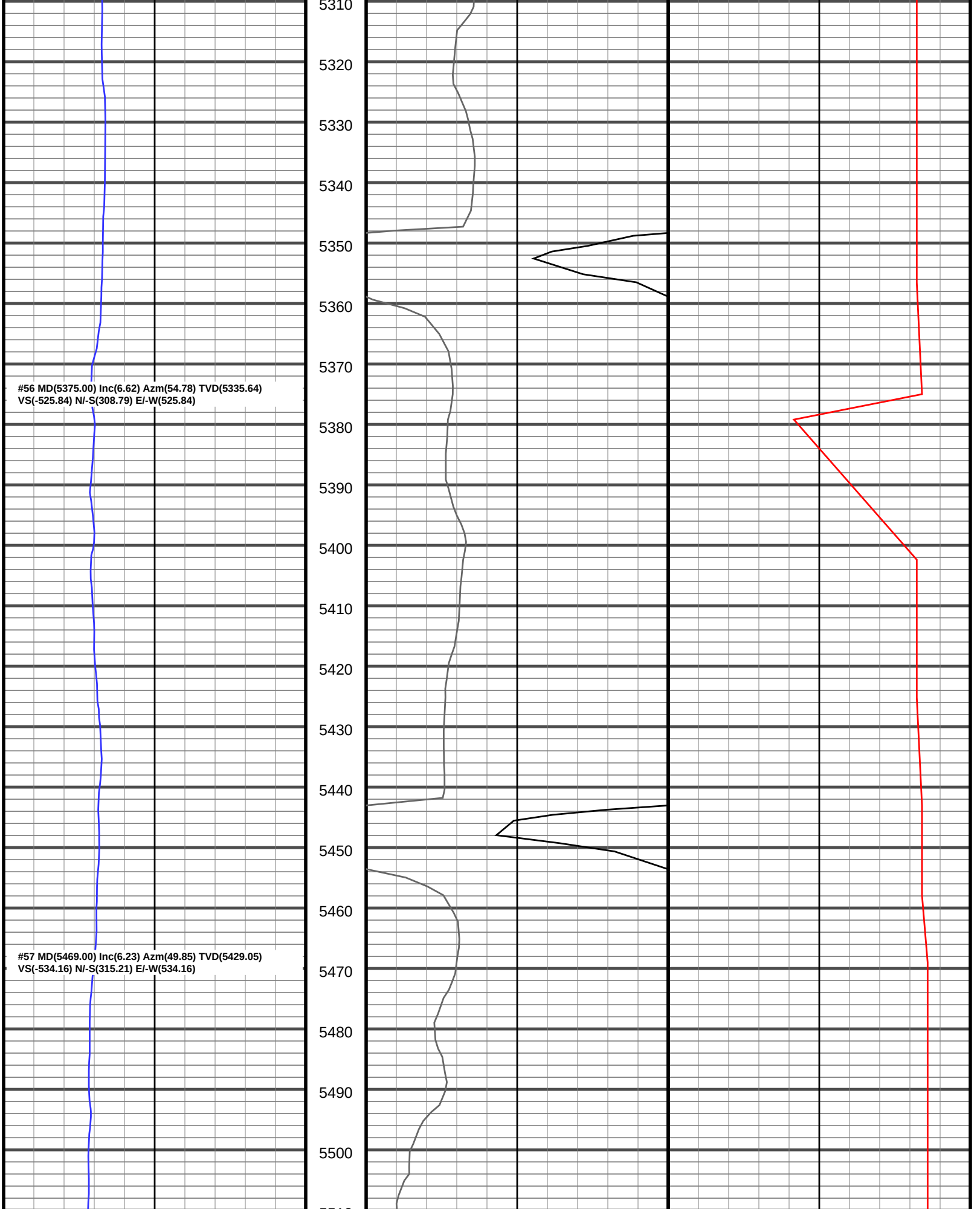
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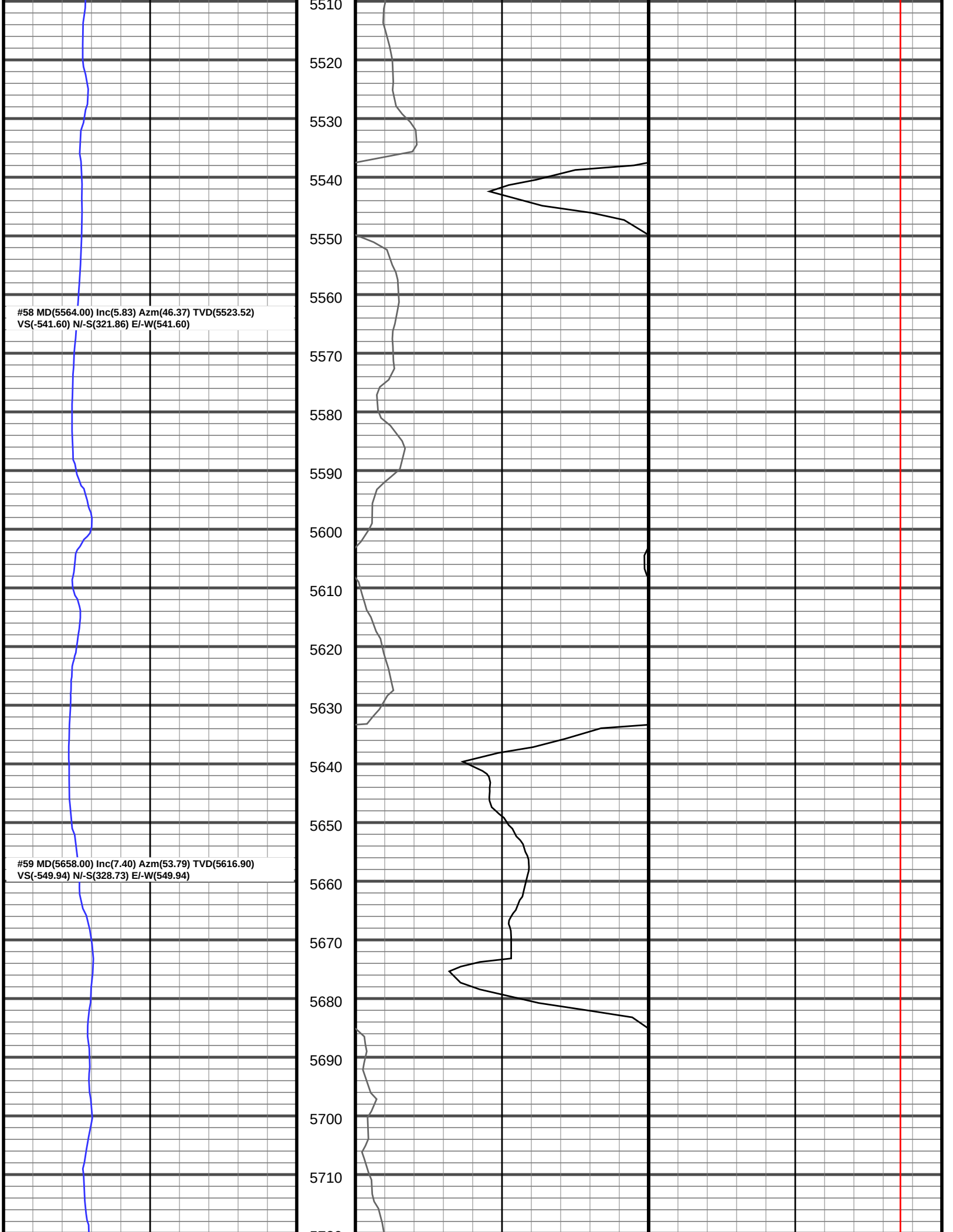
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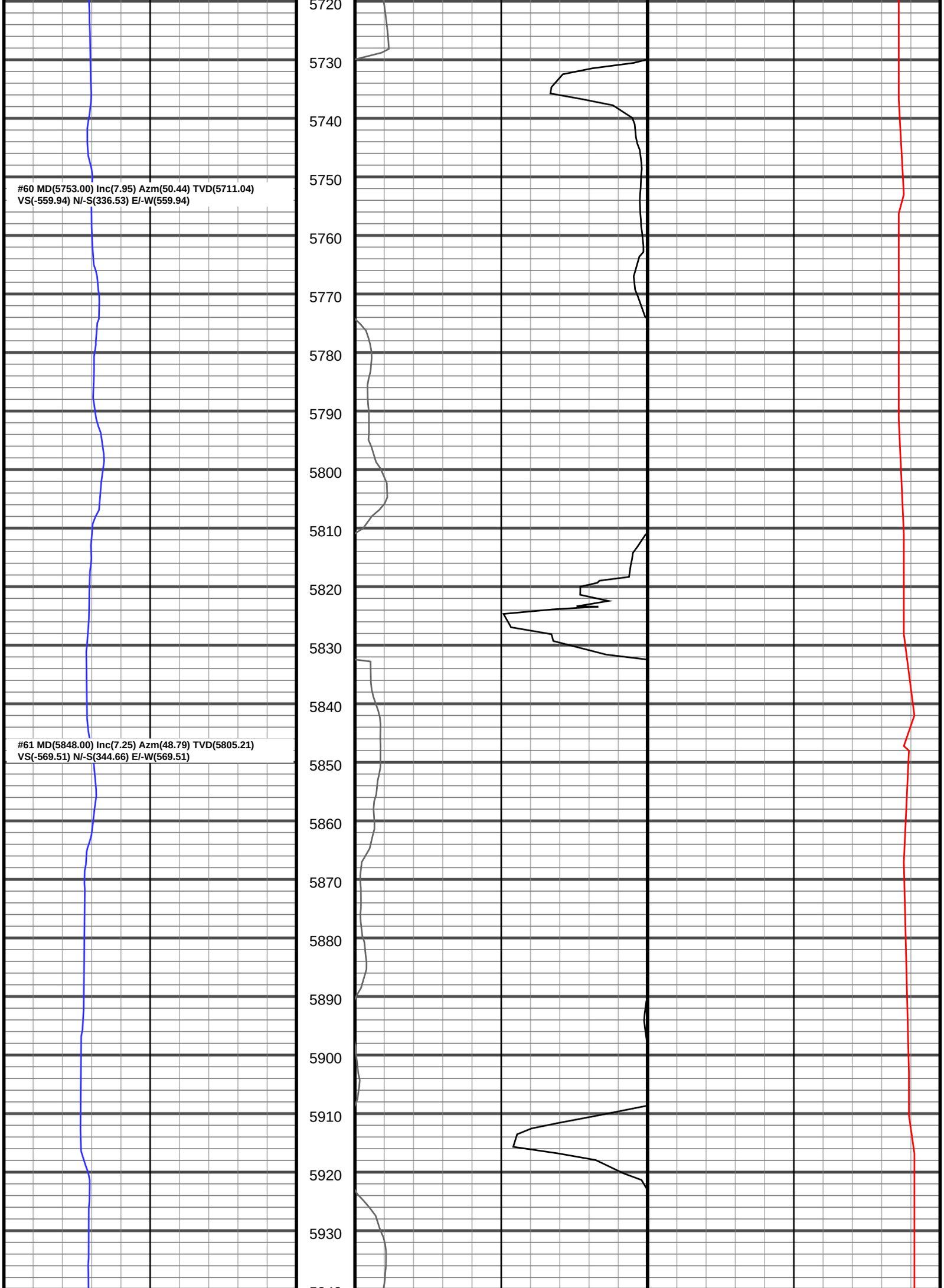
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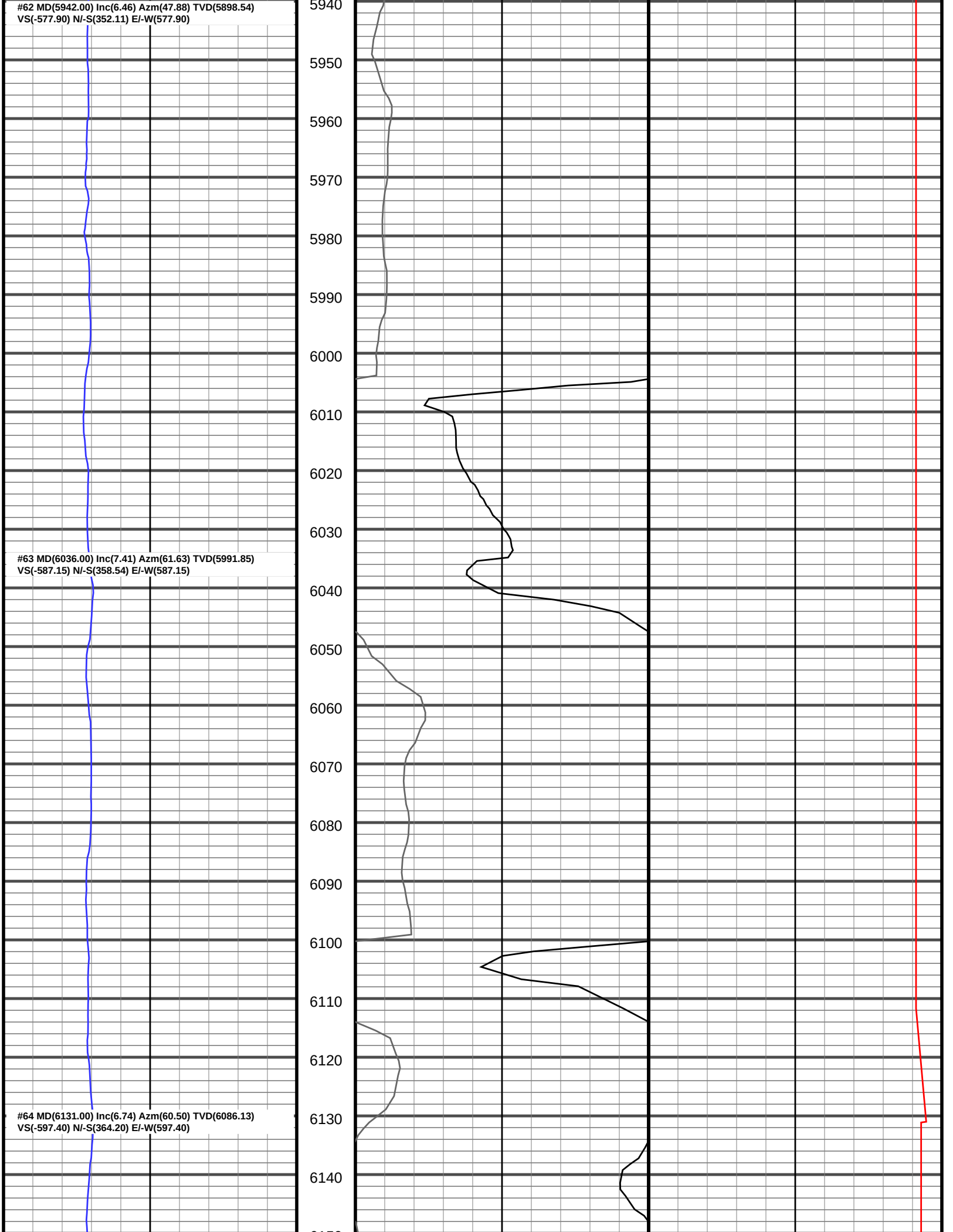
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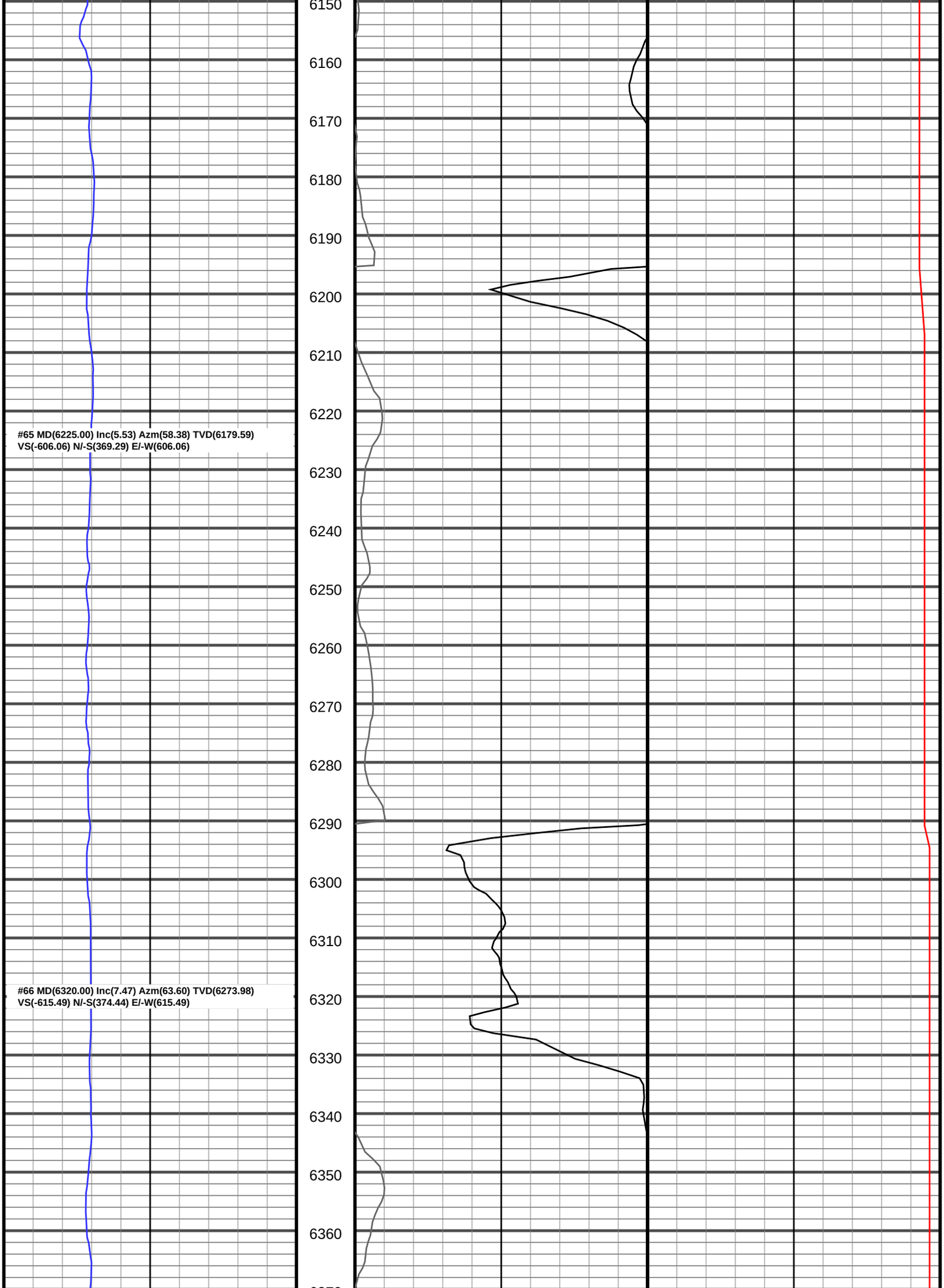
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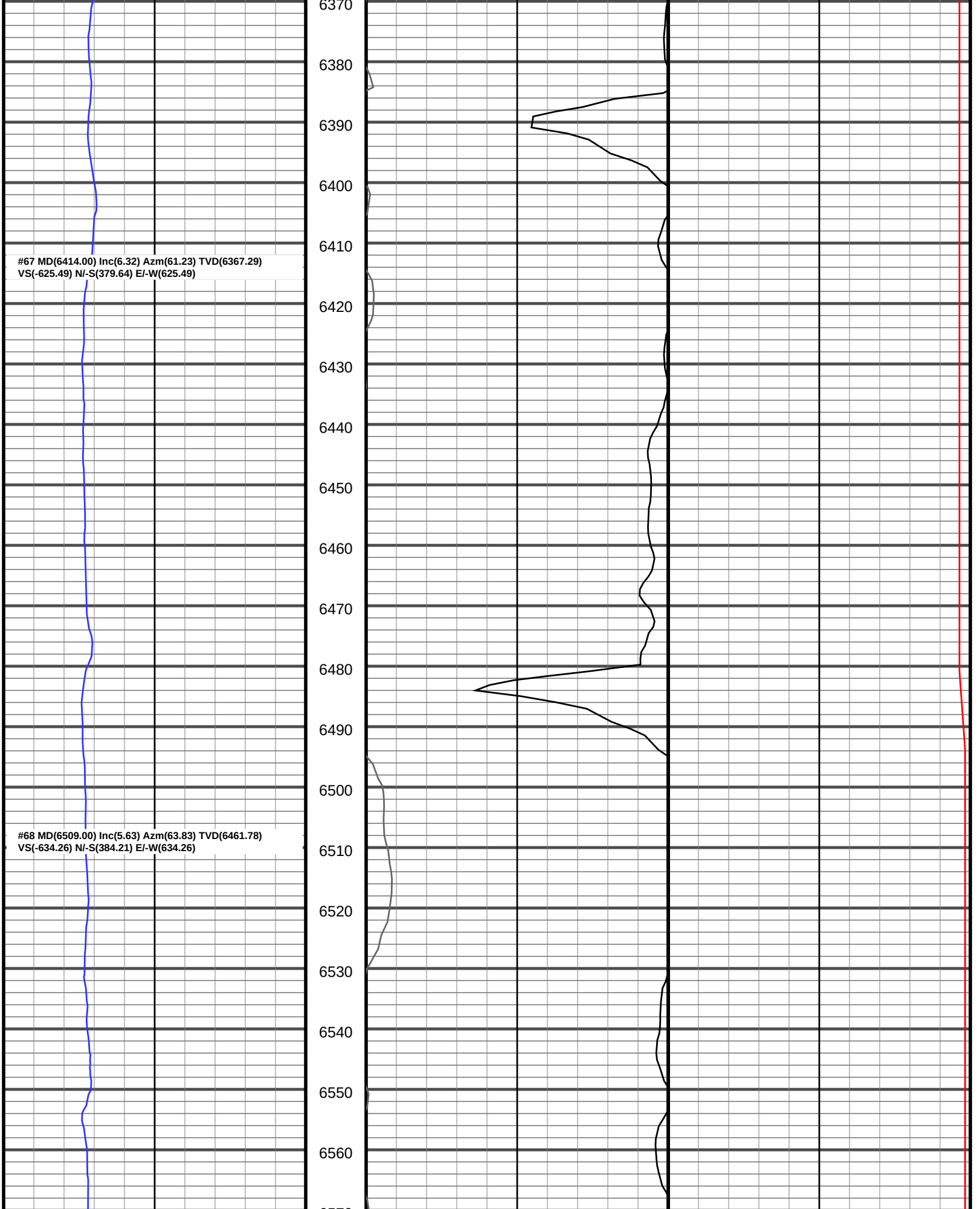
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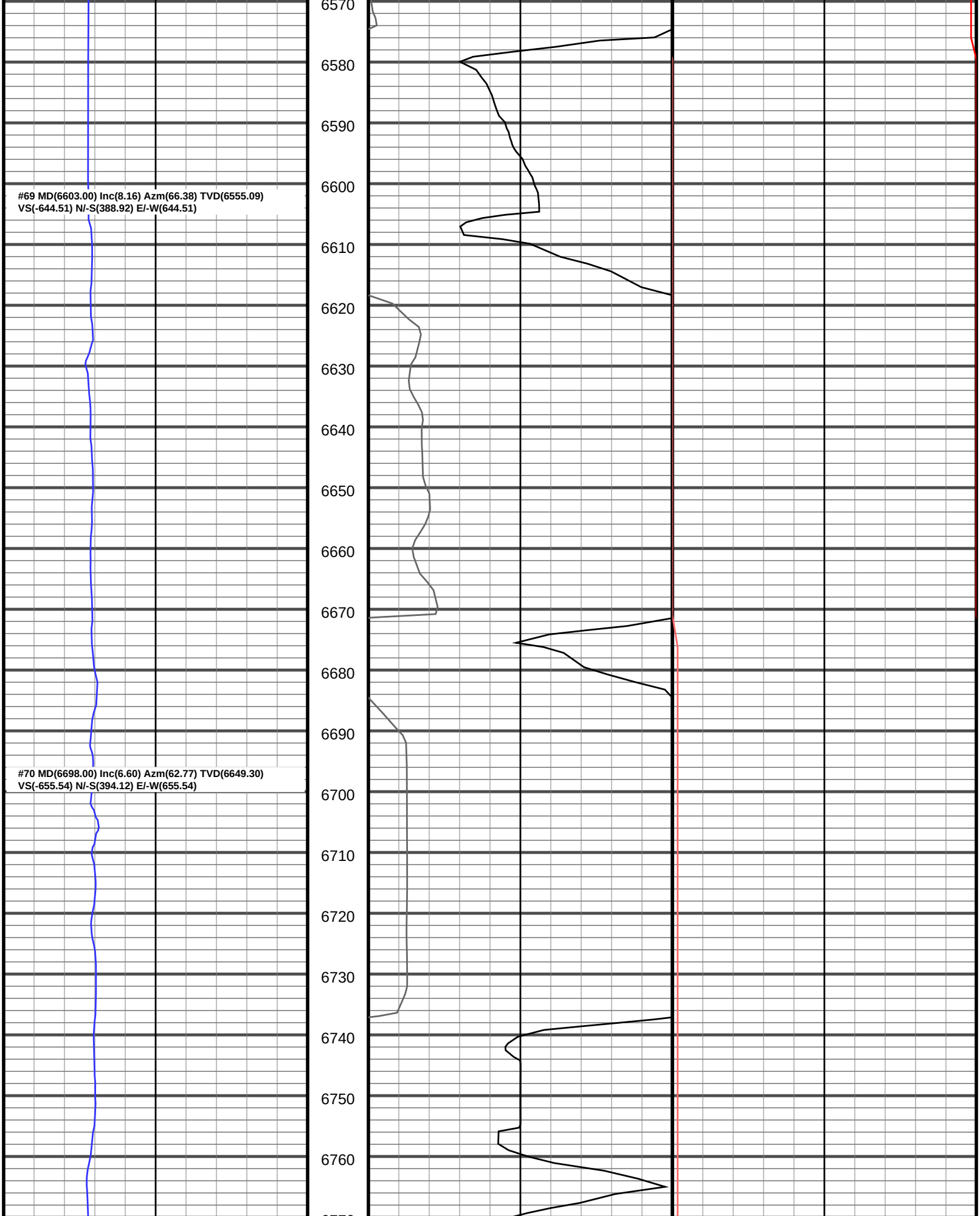
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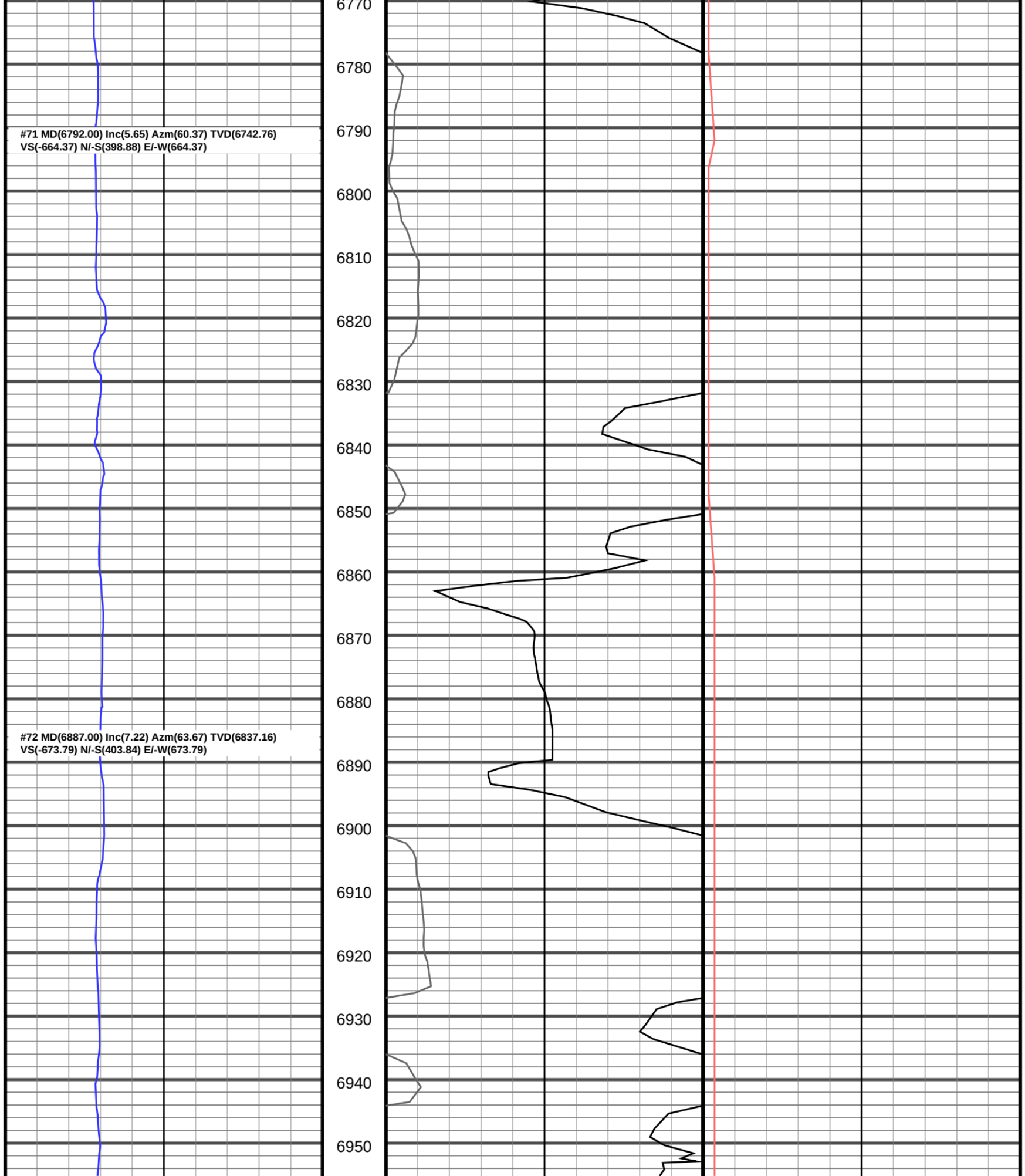
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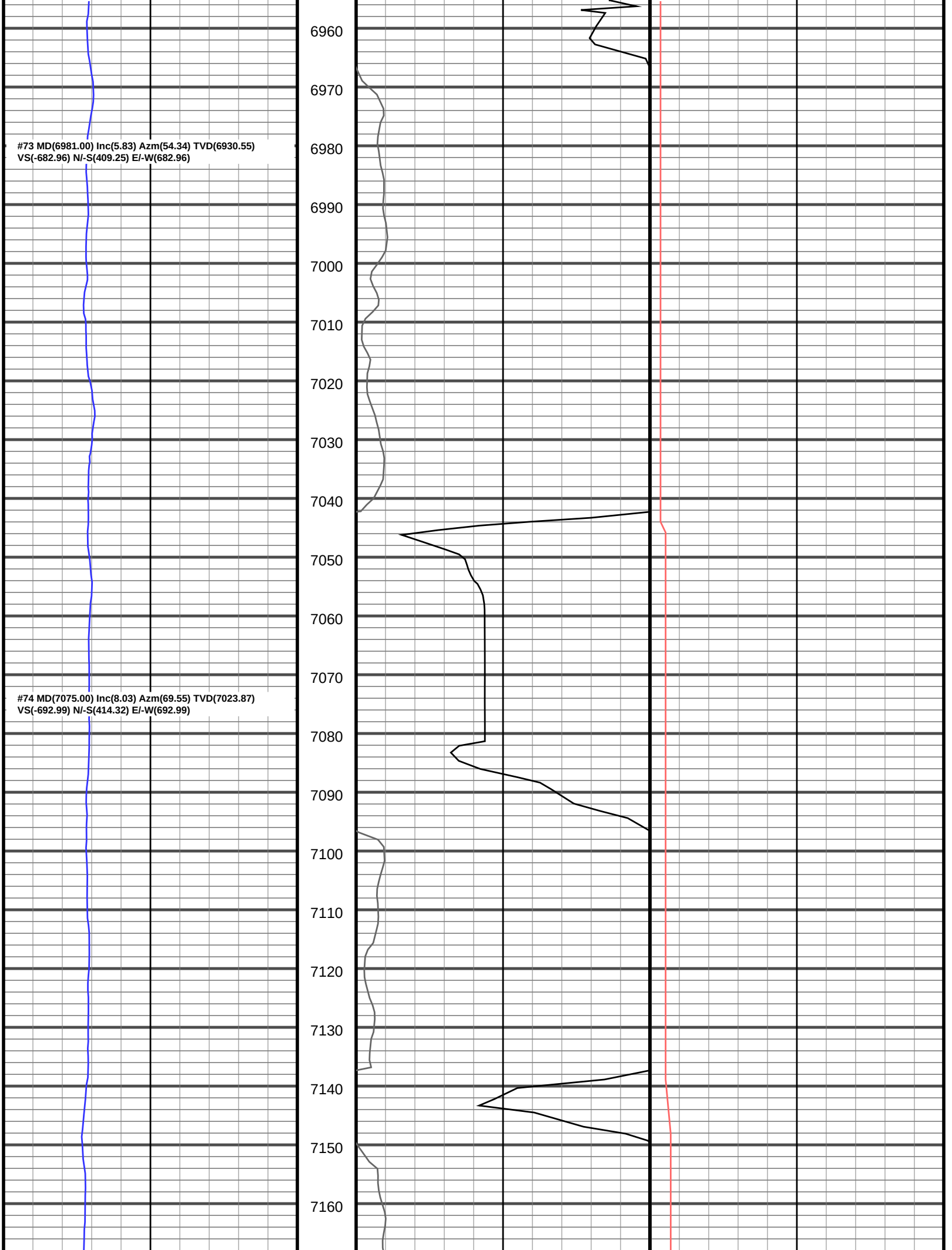
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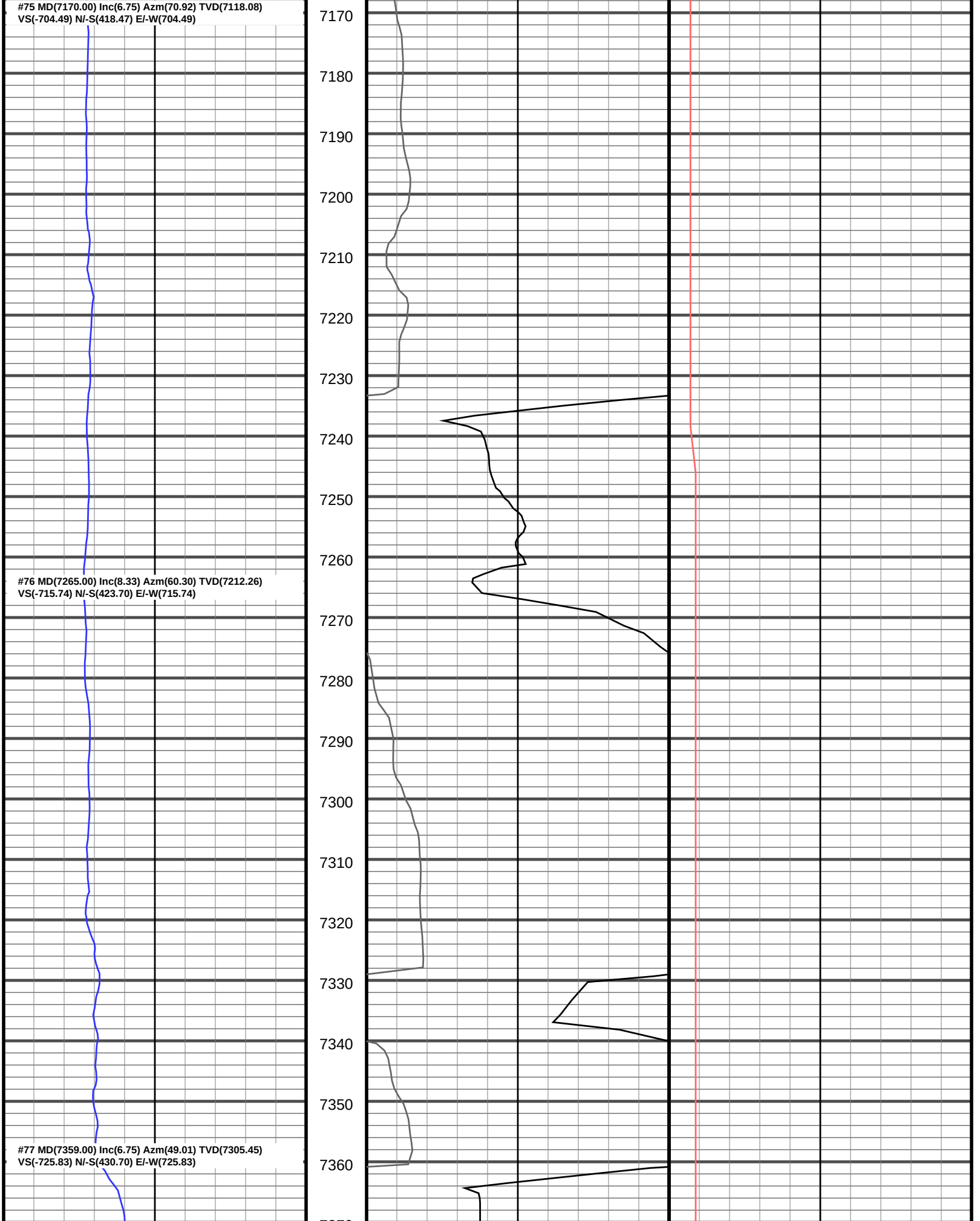
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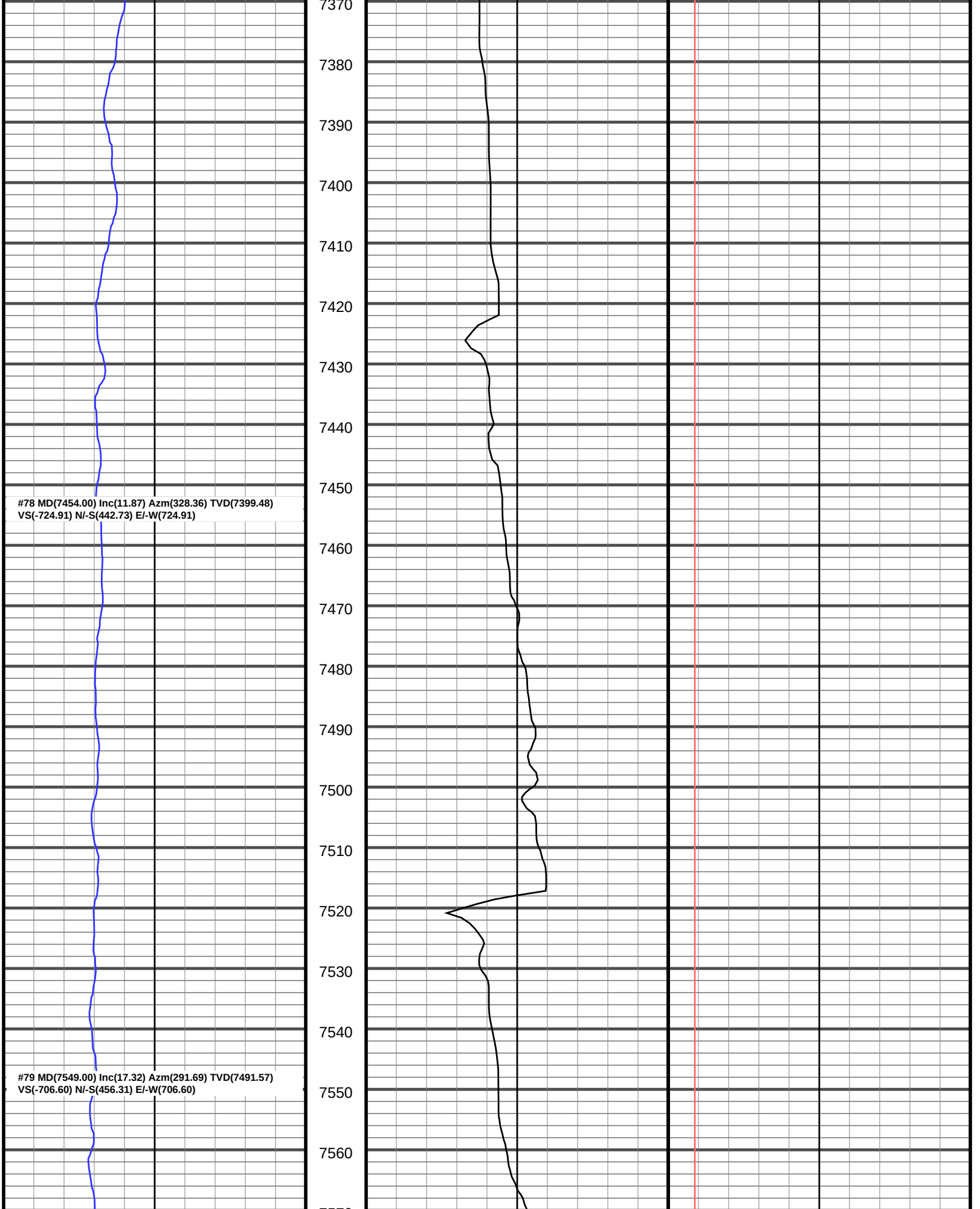
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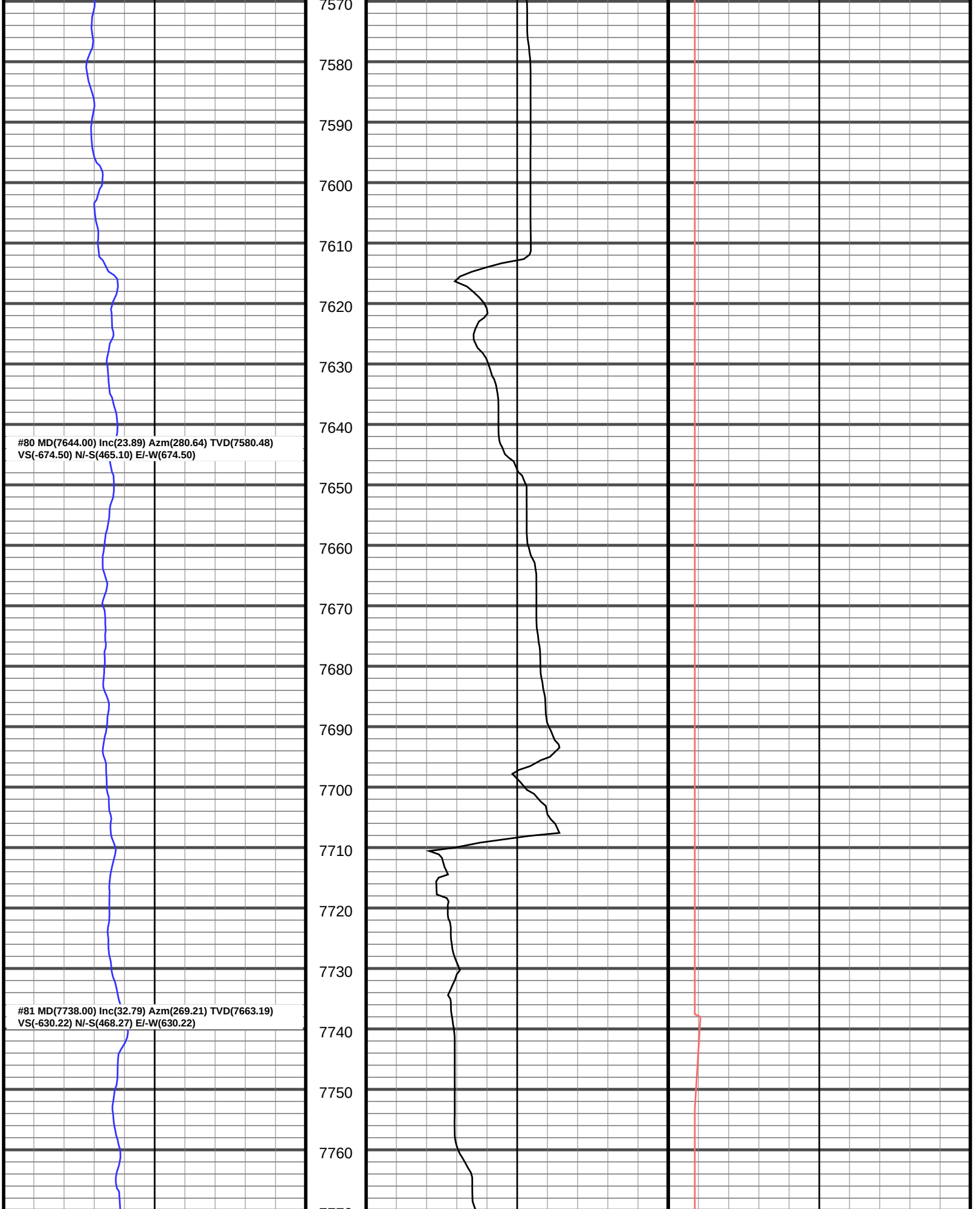
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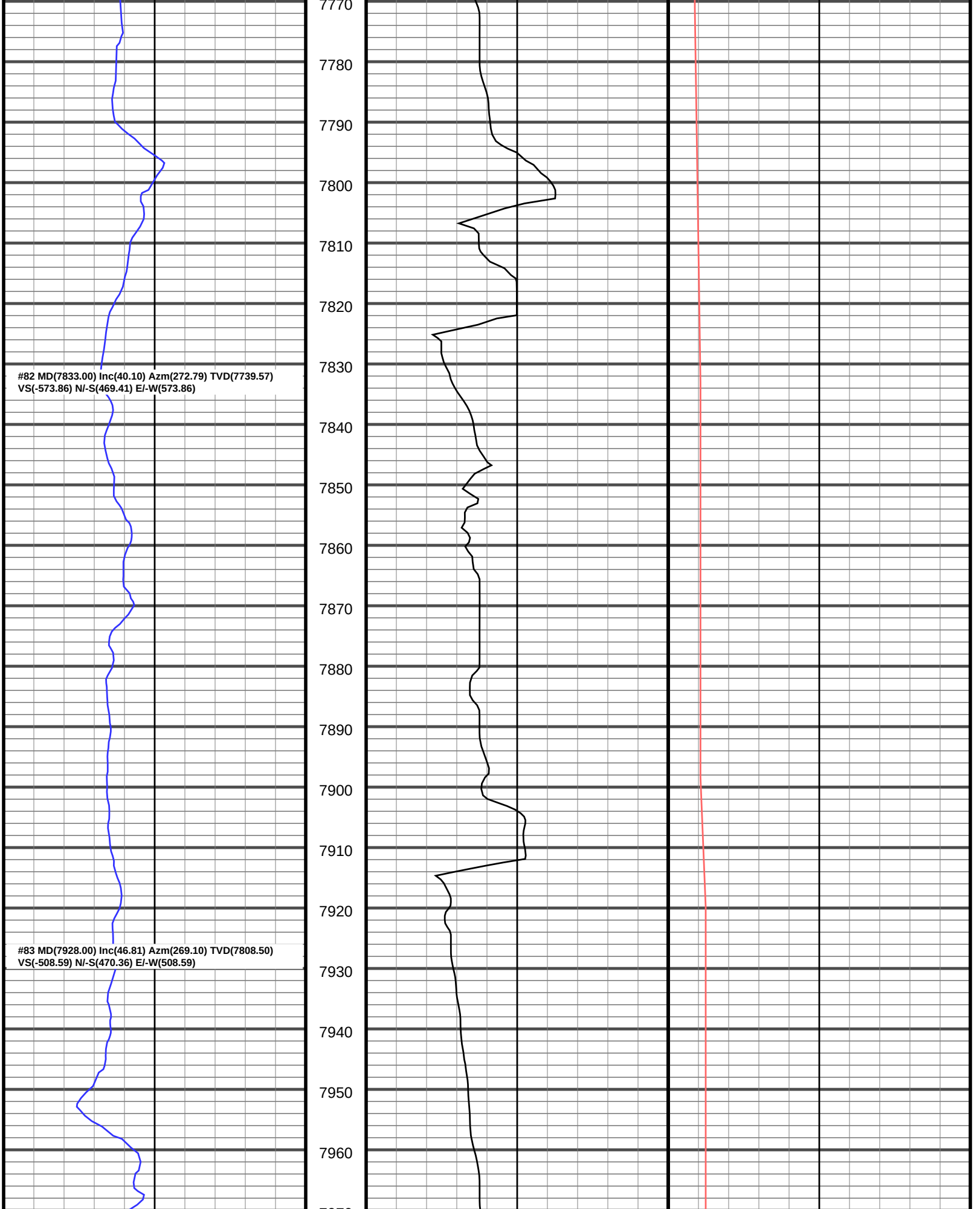
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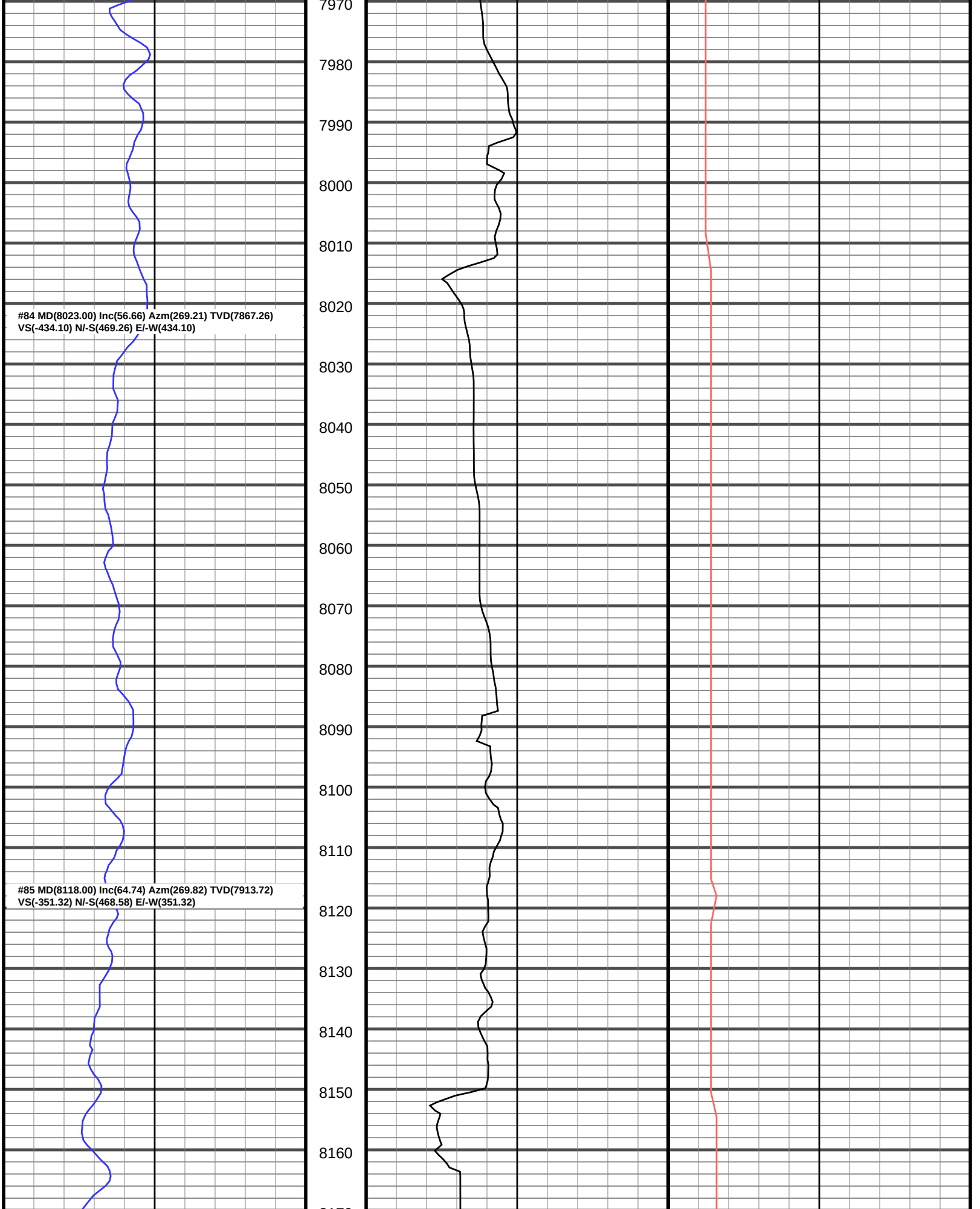
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#84 MD(8023.00) Inc(56.66) Azm(269.21) TVD(7867.26)
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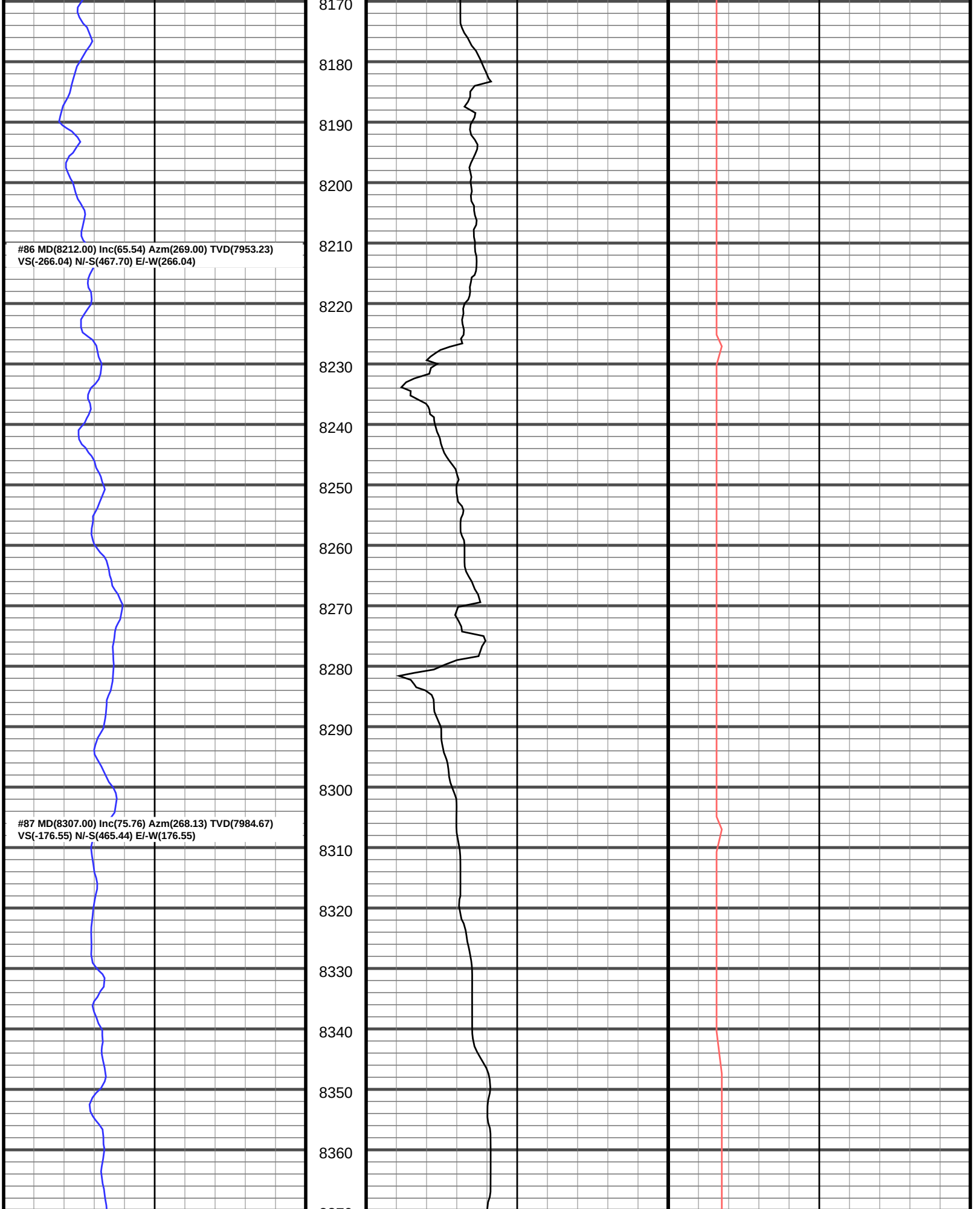
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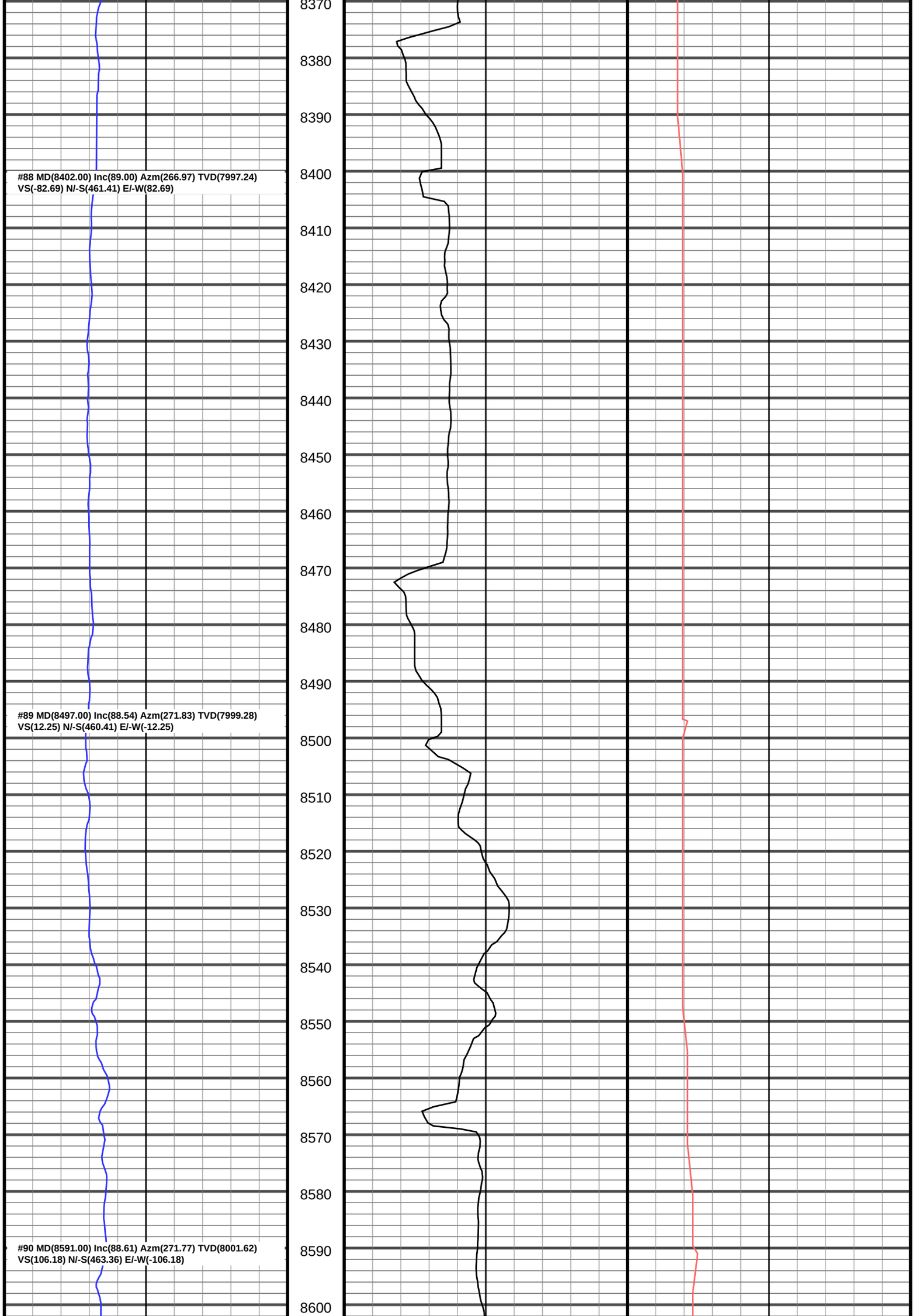
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#89 MD(8497.00) Inc(88.54) Azm(271.83) TVD(7999.28)
VS(12.25) N/-S(460.41) E/-W(-12.25)
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VS(106.18) N/-S(463.36) E/-W(-106.18)
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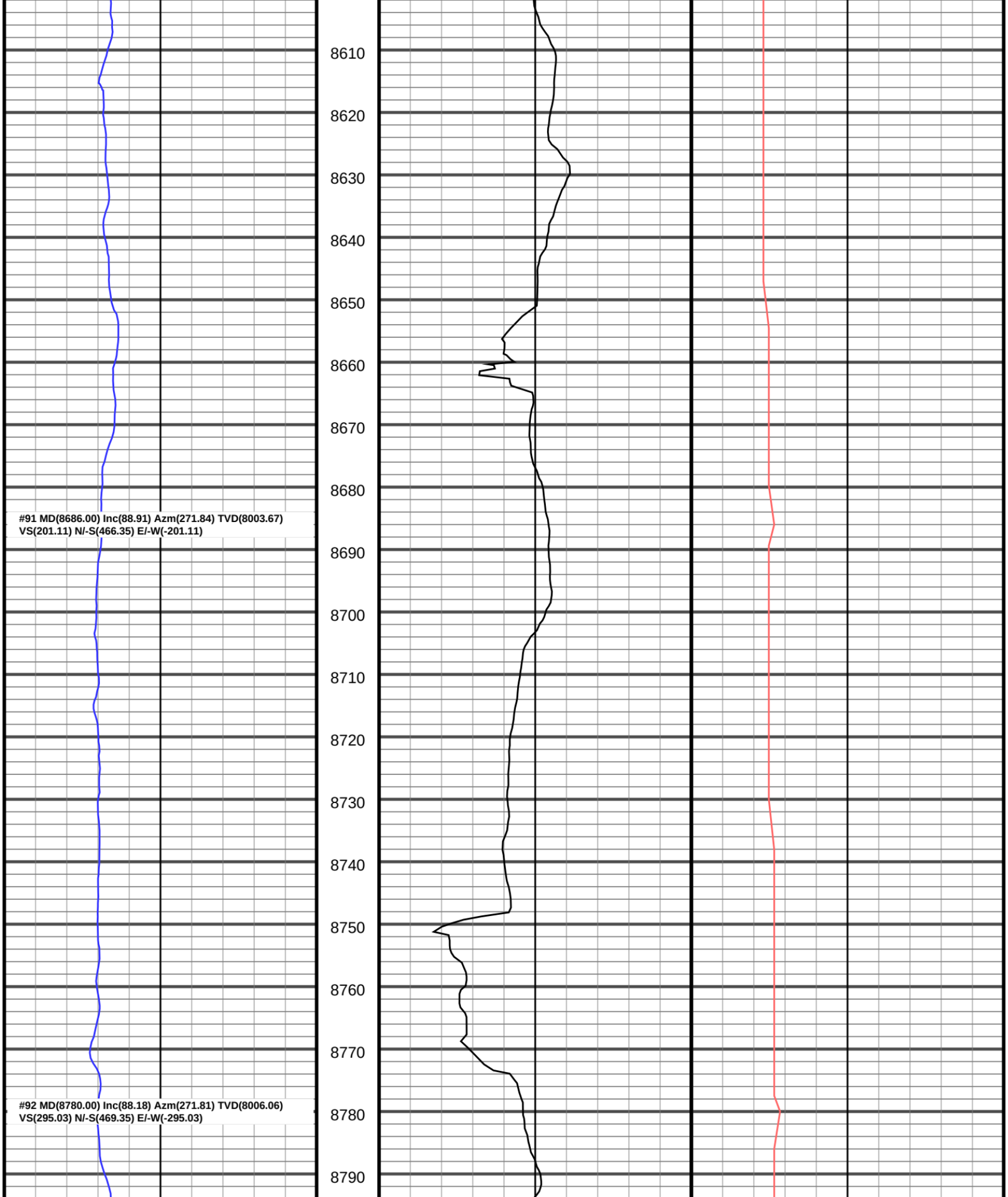
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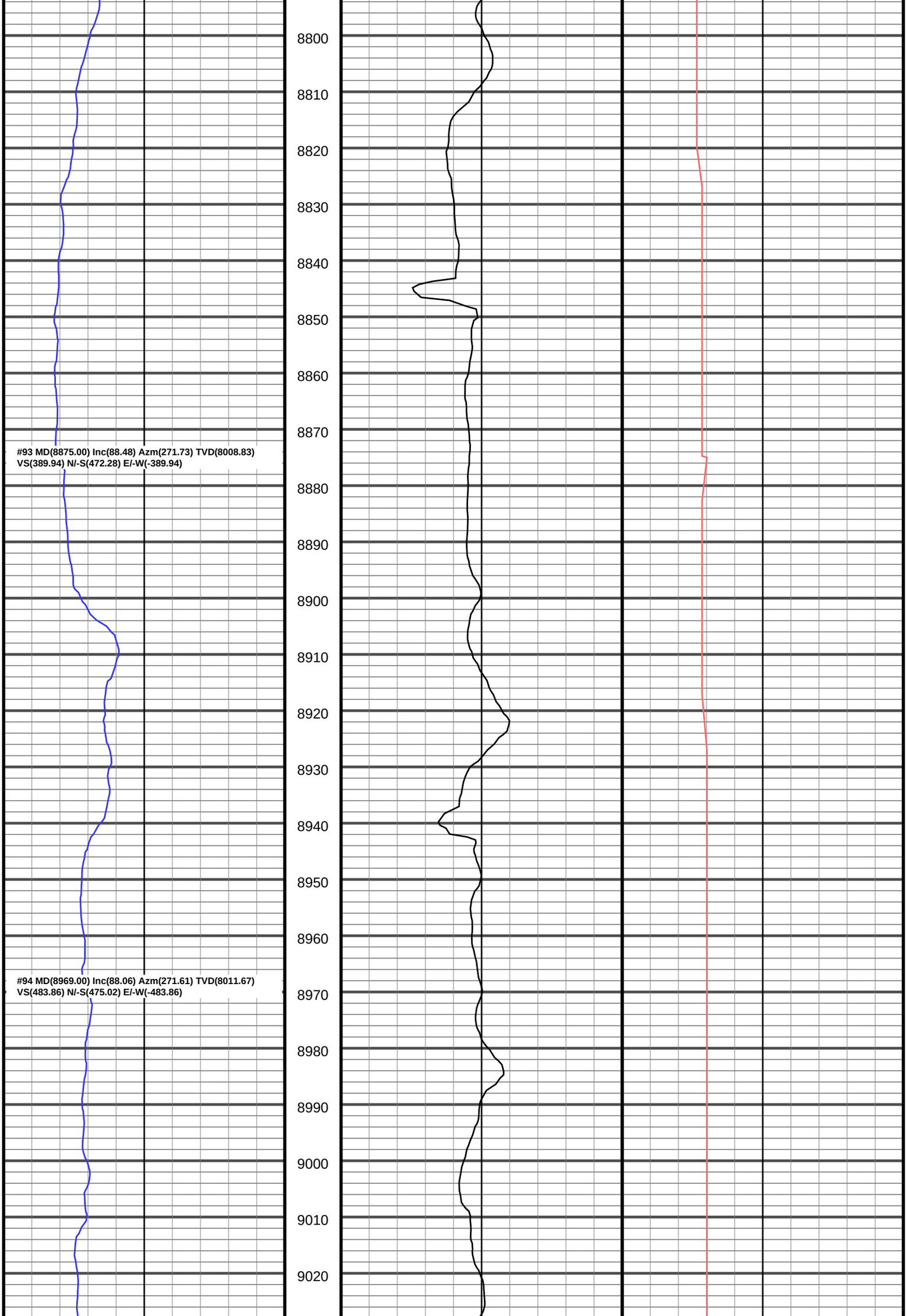
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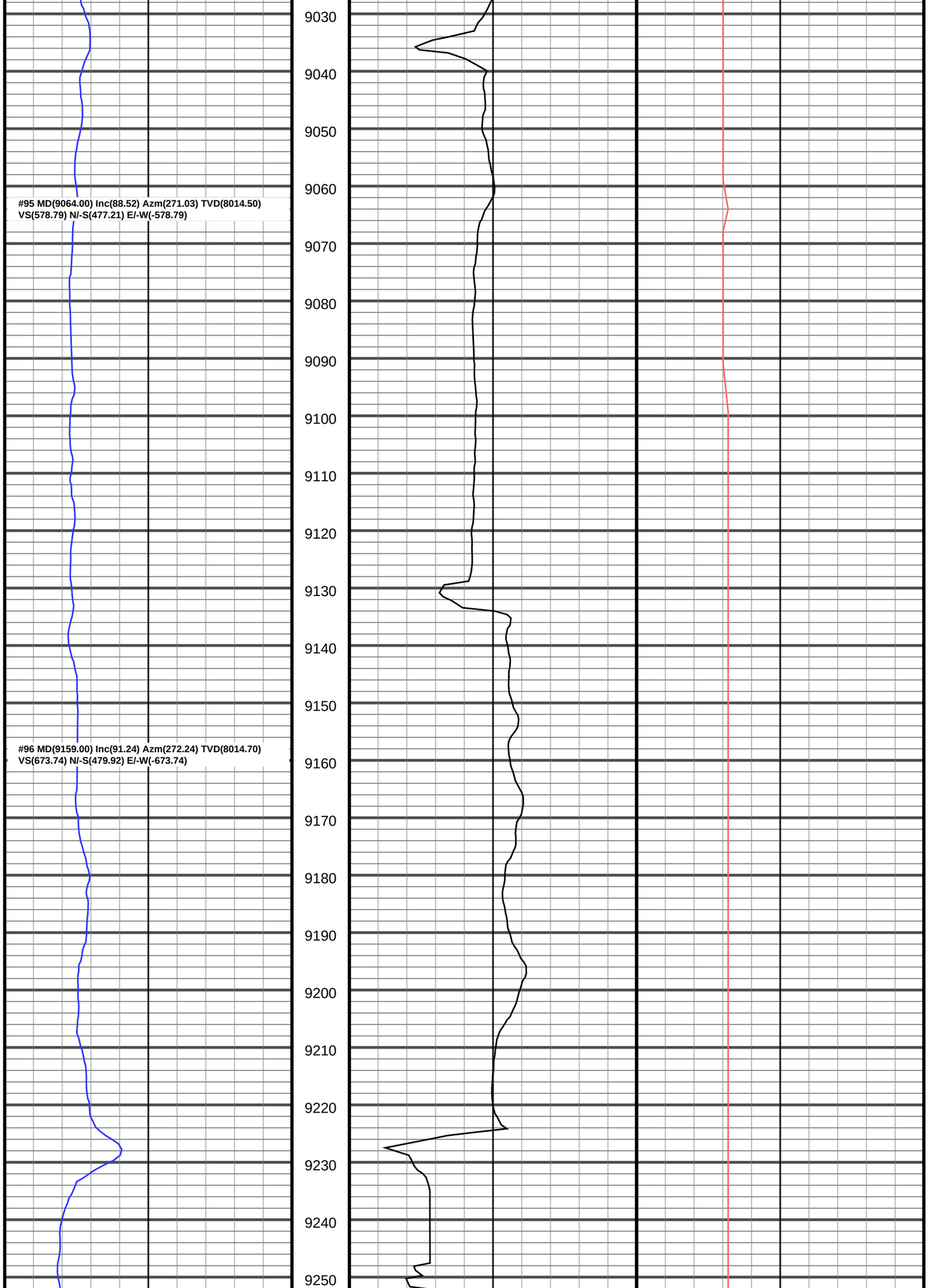
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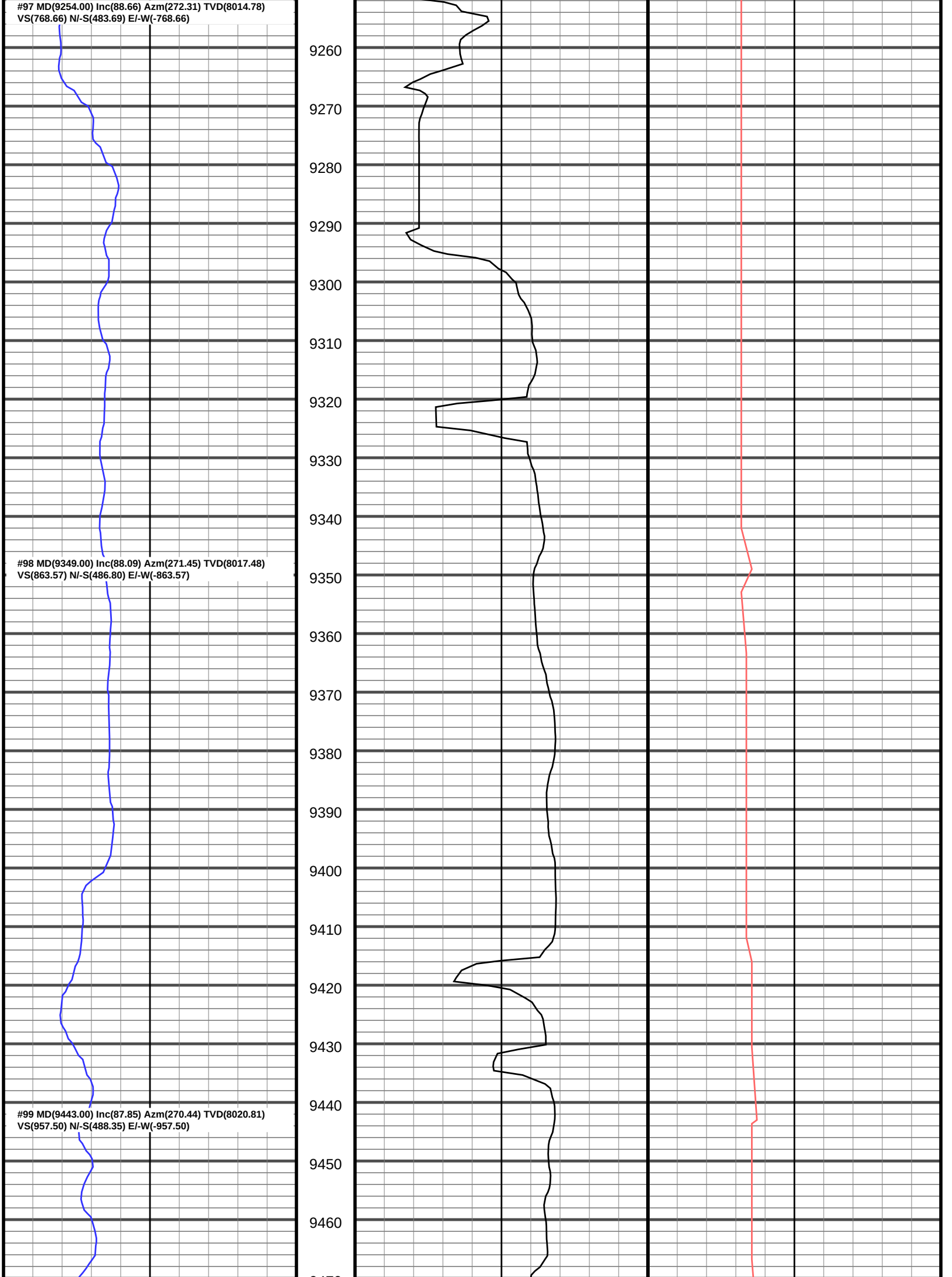
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VS(863.57) N/-S(486.80) E/-W(-863.57)
#99 MD(9443.00) Inc(87.85) Azm(270.44) TVD(8020.81)
VS(957.50) N/-S(488.35) E/-W(-957.50)
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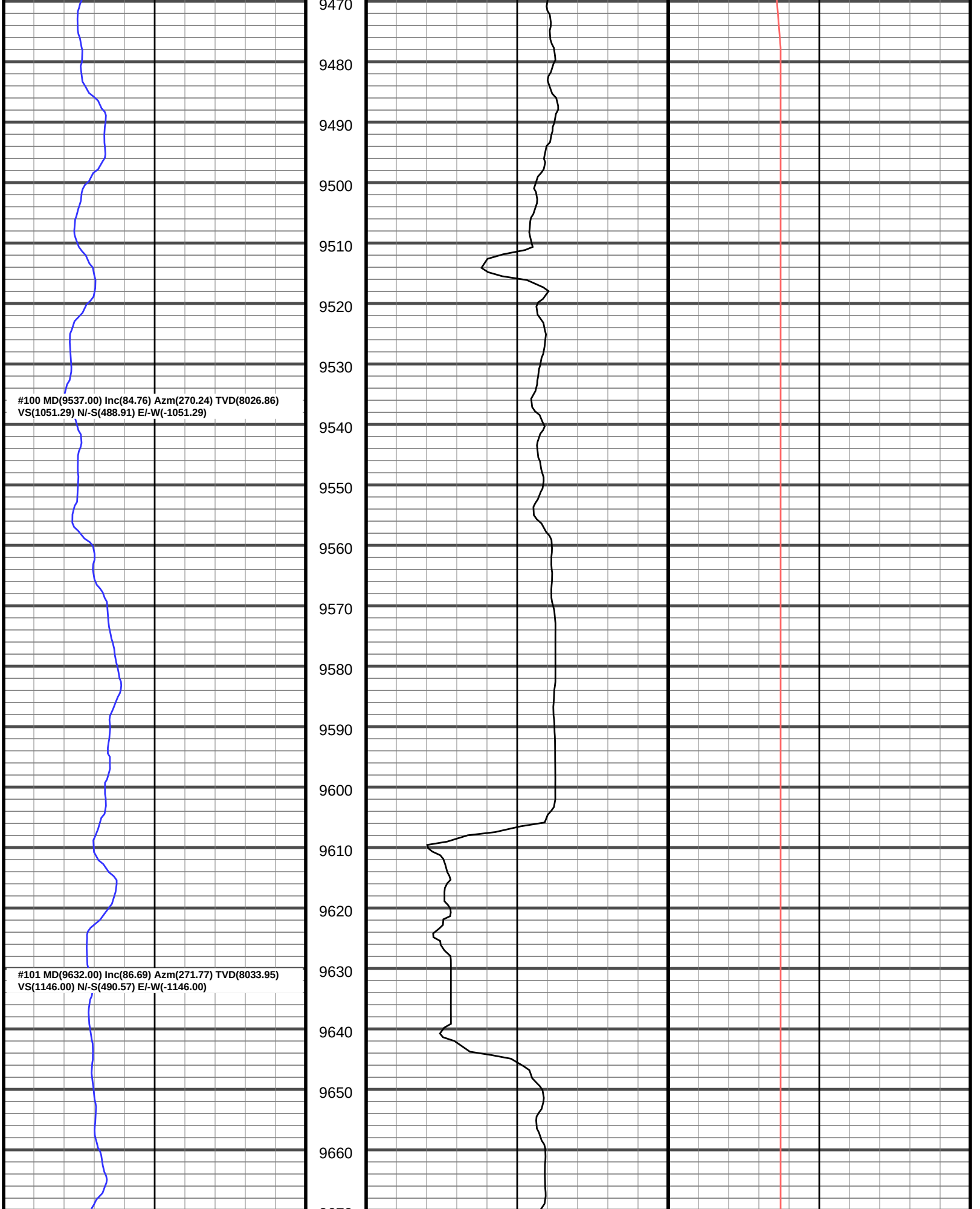
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#101 MD(9632.00) Inc(86.69) Azm(271.77) TVD(8033.95)
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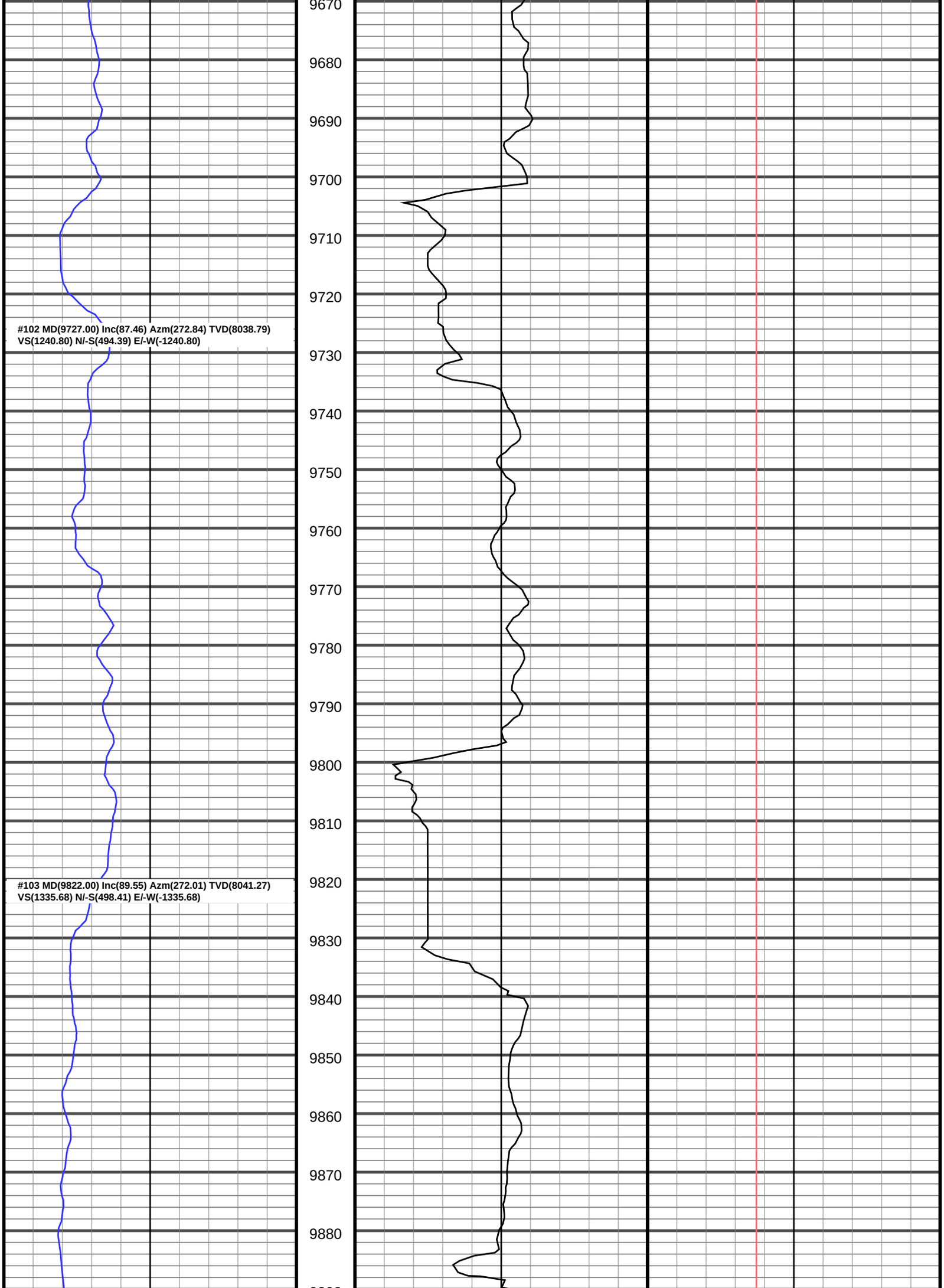
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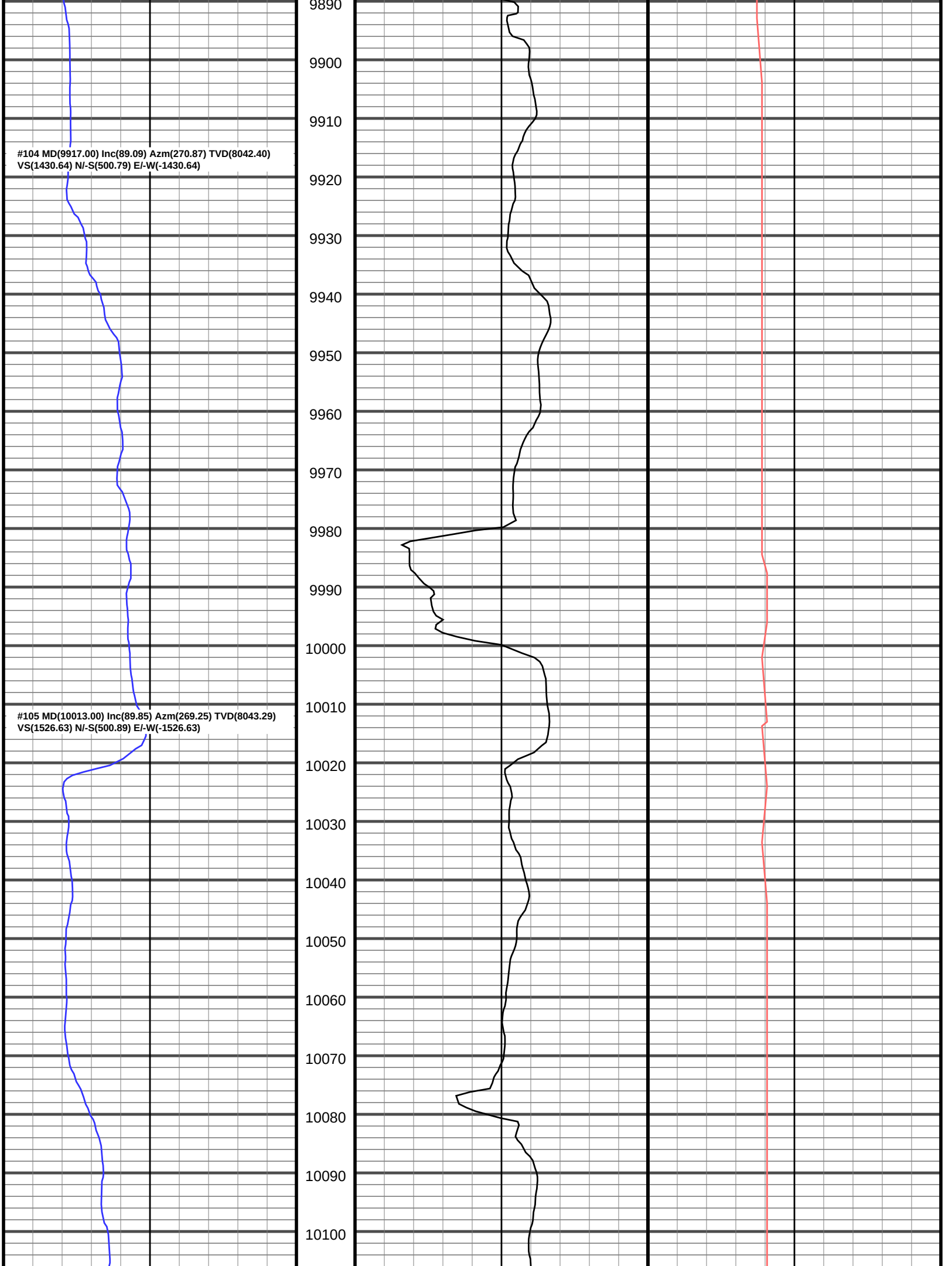
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VS(1430.64) N/-S(500.79) E/-W(-1430.64)
#105 MD(10013.00) Inc(89.85) Azm(269.25) TVD(8043.29)
VS(1526.63) N/-S(500.89) E/-W(-1526.63)
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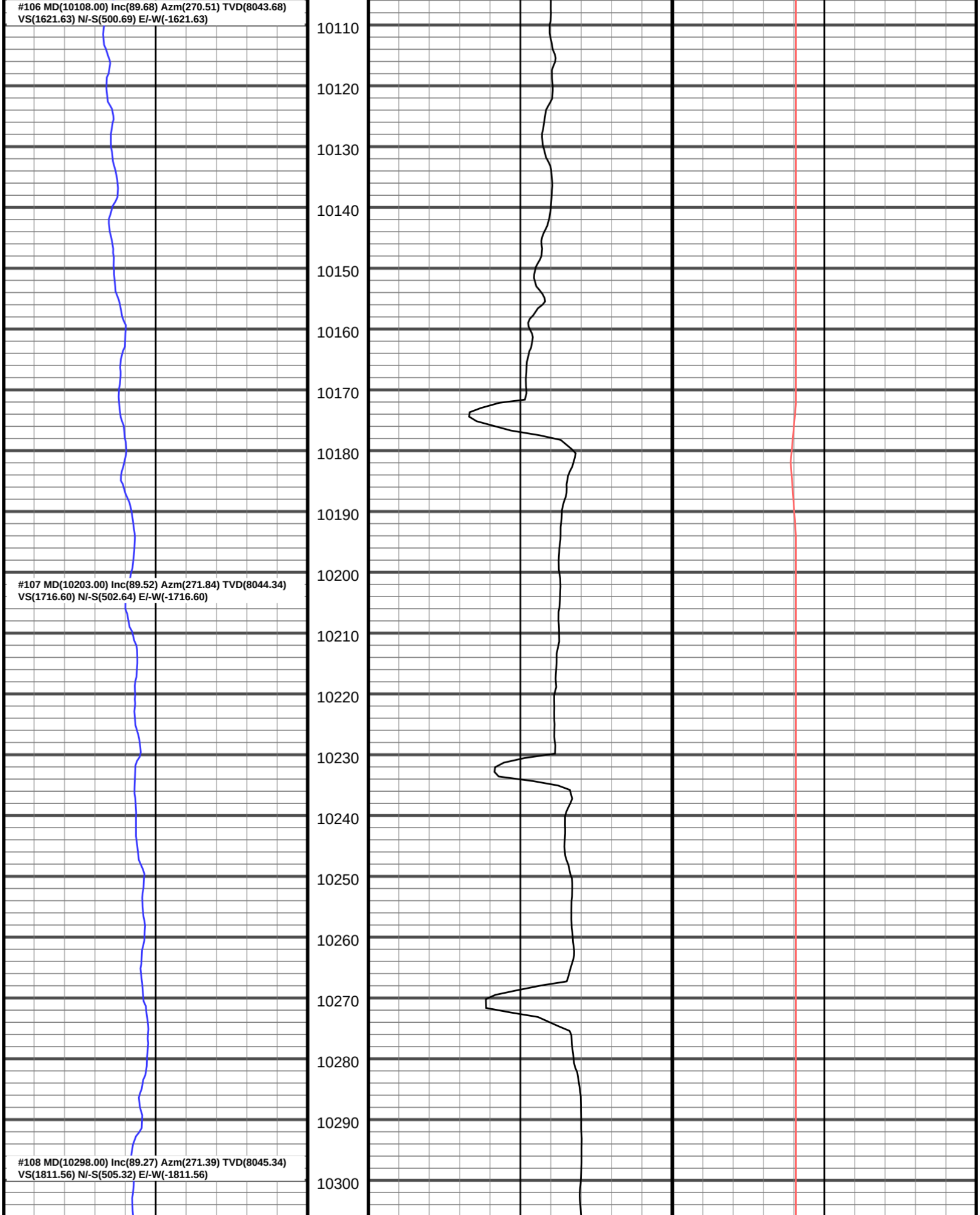
#106 MD(10108.00) Inc(89.68) Azm(270.51) TVD(8043.68)
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#107 MD(10203.00) Inc(89.52) Azm(271.84) TVD(8044.34)
VS(1716.60) N/-S(502.64) E/-W(-1716.60)
#108 MD(10298.00) Inc(89.27) Azm(271.39) TVD(8045.34)
VS(1811.56) N/-S(505.32) E/-W(-1811.56)
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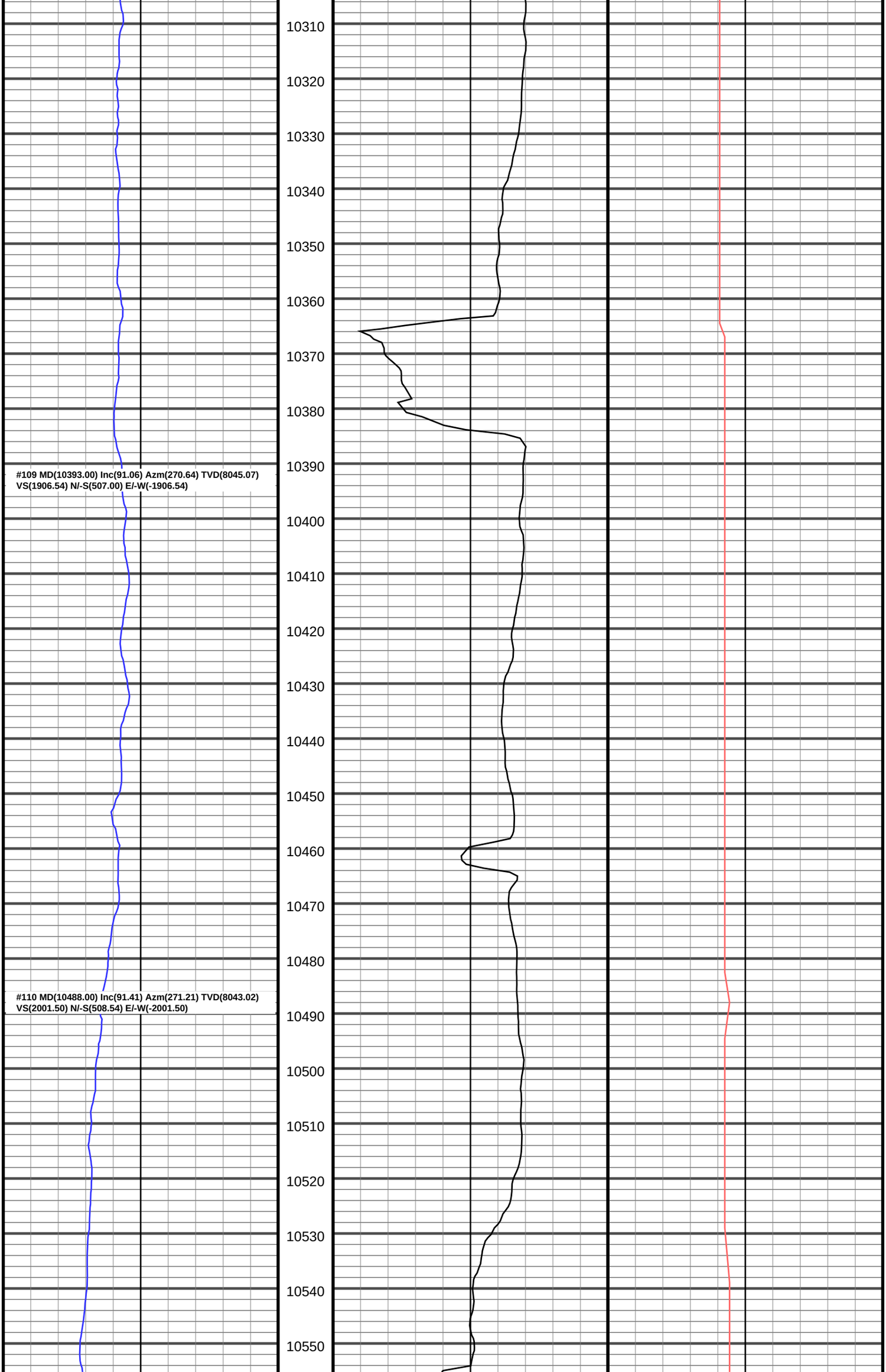
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#109 MD(10393.00) Inc(91.06) Azm(270.64) TVD(8045.07)
VS(1906.54) N/-S(507.00) E/-W(-1906.54)
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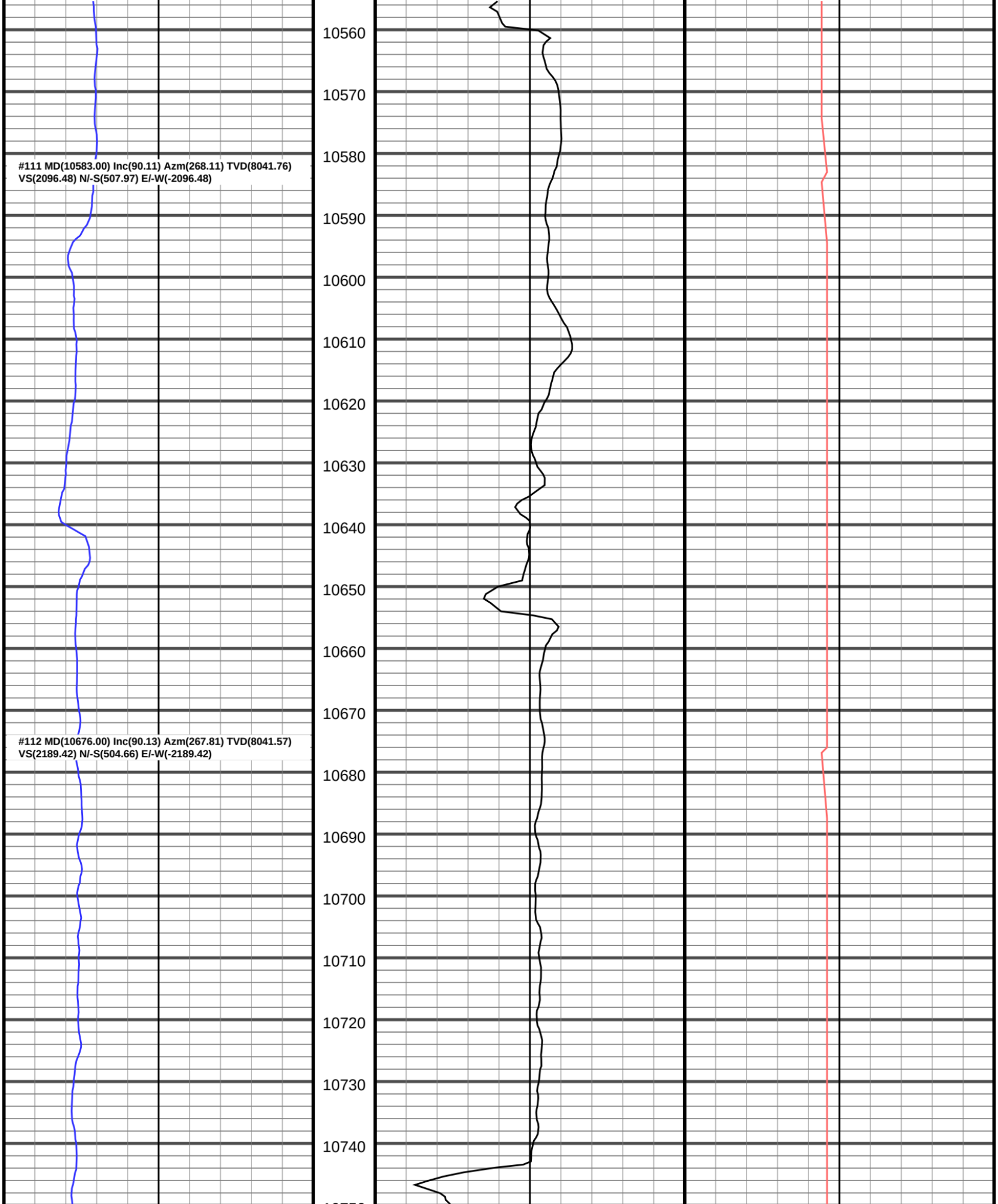
VS(2001.50) N/-S(508.54) E/-W(-2001.50)


#111 MD(10583.00) Inc(90.11) Azm(268.11) TVD(8041.76)
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#112 MD(10676.00) Inc(90.13) Azm(267.81) TVD(8041.57)
VS(2189.42) N/-S(504.66) E/-W(-2189.42)
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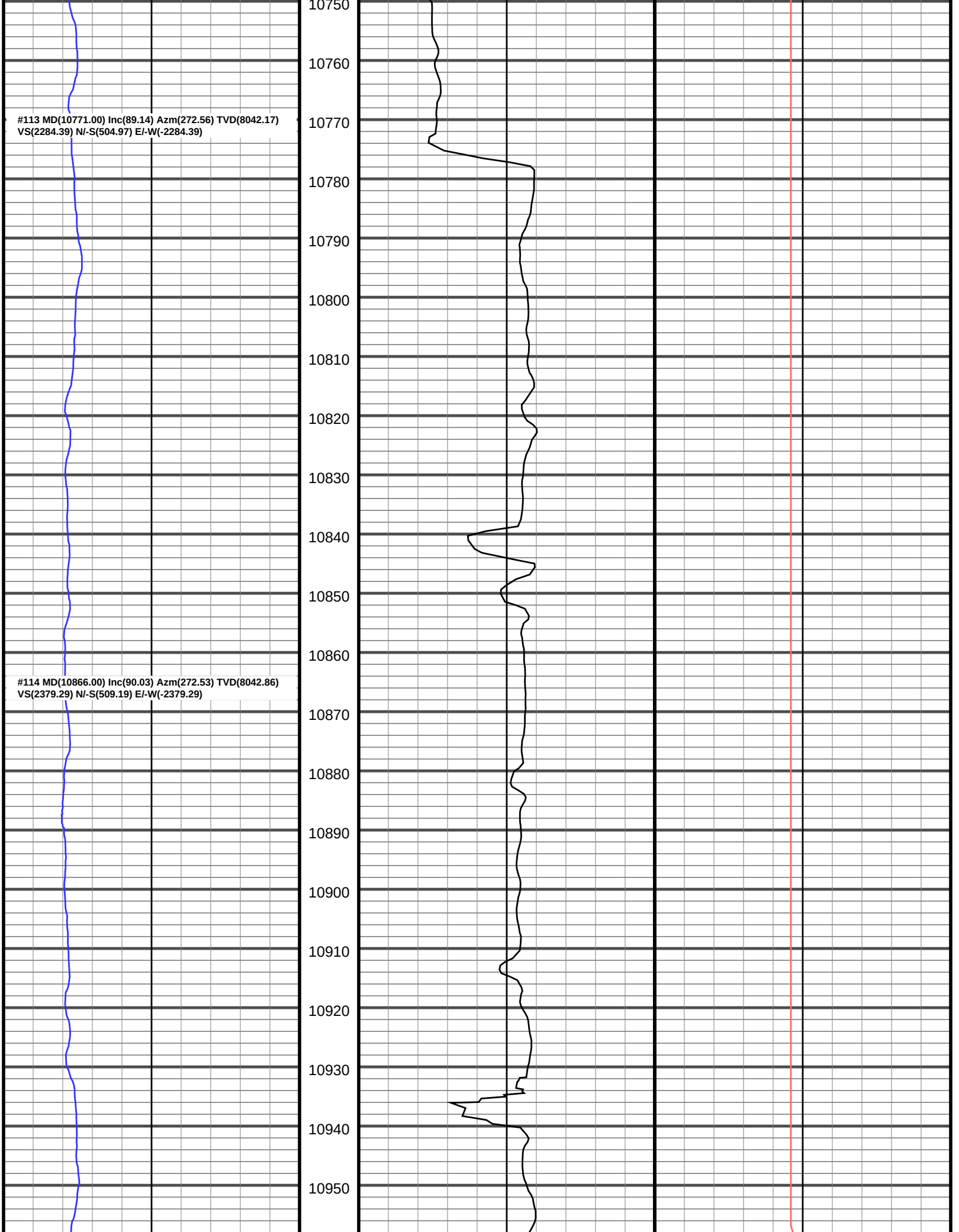
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VS(2284.39) N/-S(504.97) E/-W(-2284.39)
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VS(2379.29) N/-S(509.19) E/-W(-2379.29)
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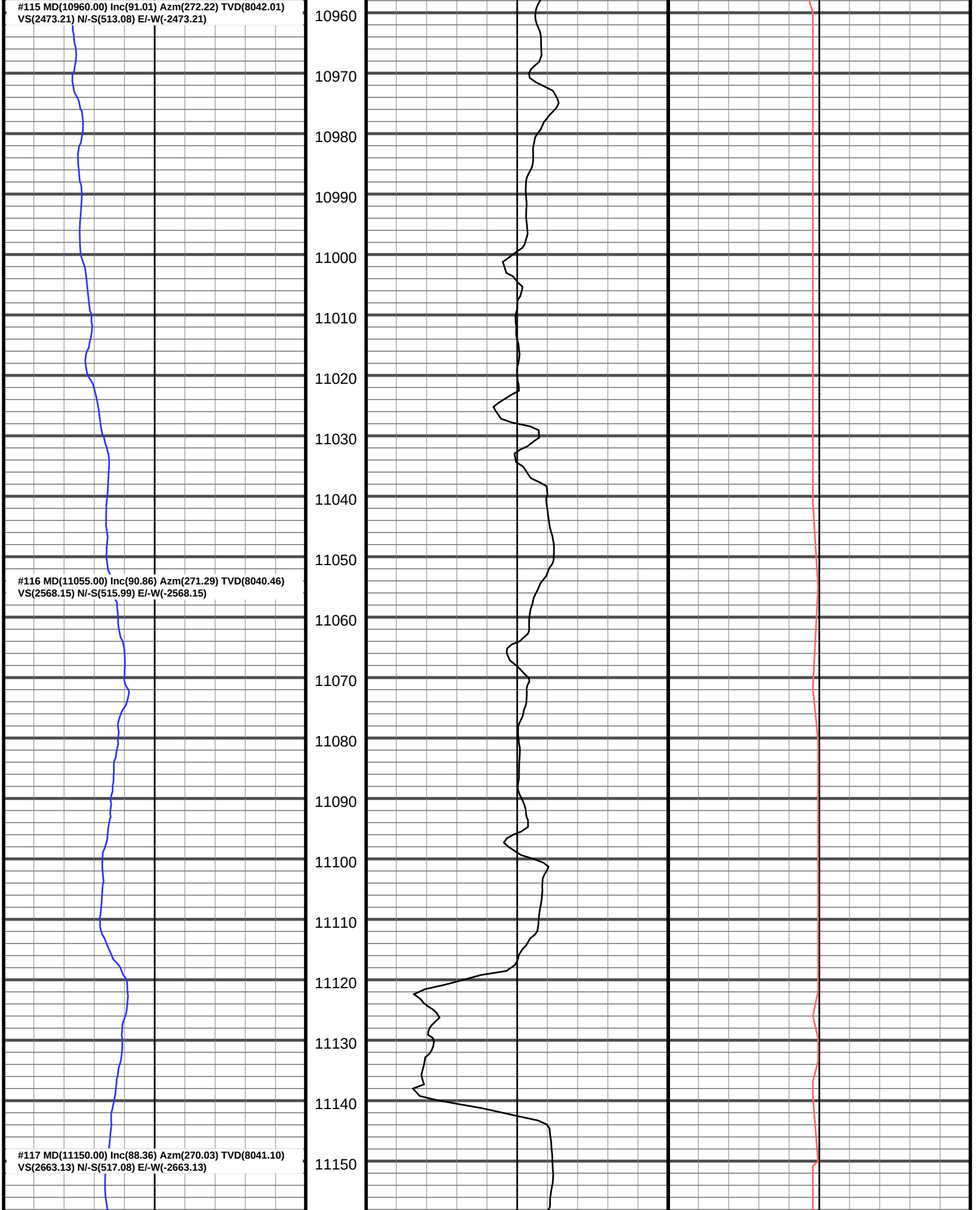
#115 MD(10960.00) Inc(91.01) Azm(272.22) TVD(8042.01)
VS(2473.21) N/-S(513.08) E/-W(-2473.21)
#116 MD(11055.00) Inc(90.86) Azm(271.29) TVD(8040.46)
VS(2568.15) N/-S(515.99) E/-W(-2568.15)
#117 MD(11150.00) Inc(88.36) Azm(270.03) TVD(8041.10)
VS(2663.13) N/-S(517.08) E/-W(-2663.13)
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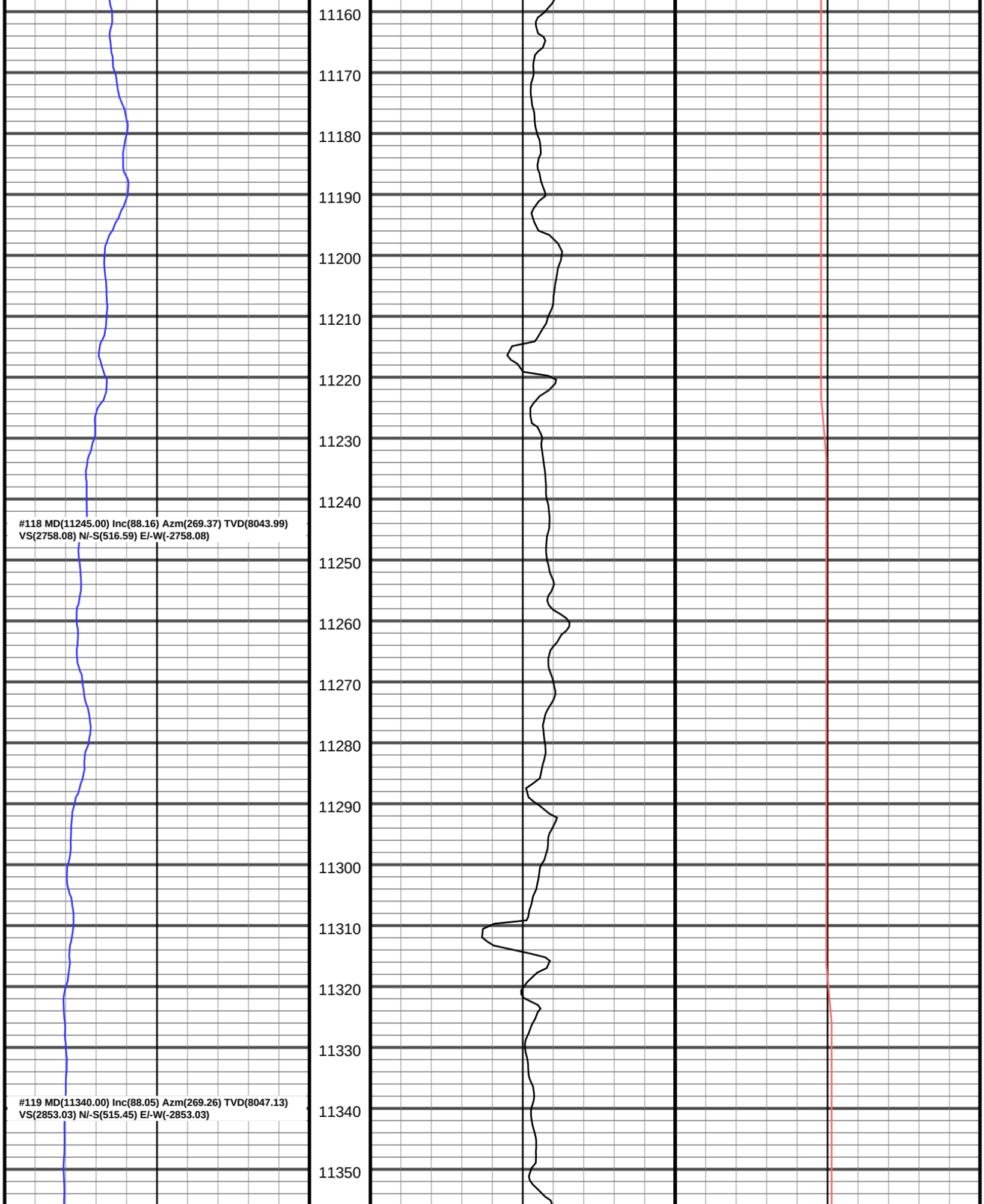
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VS(2758.08) N/-S(516.59) E/-W(-2758.08)
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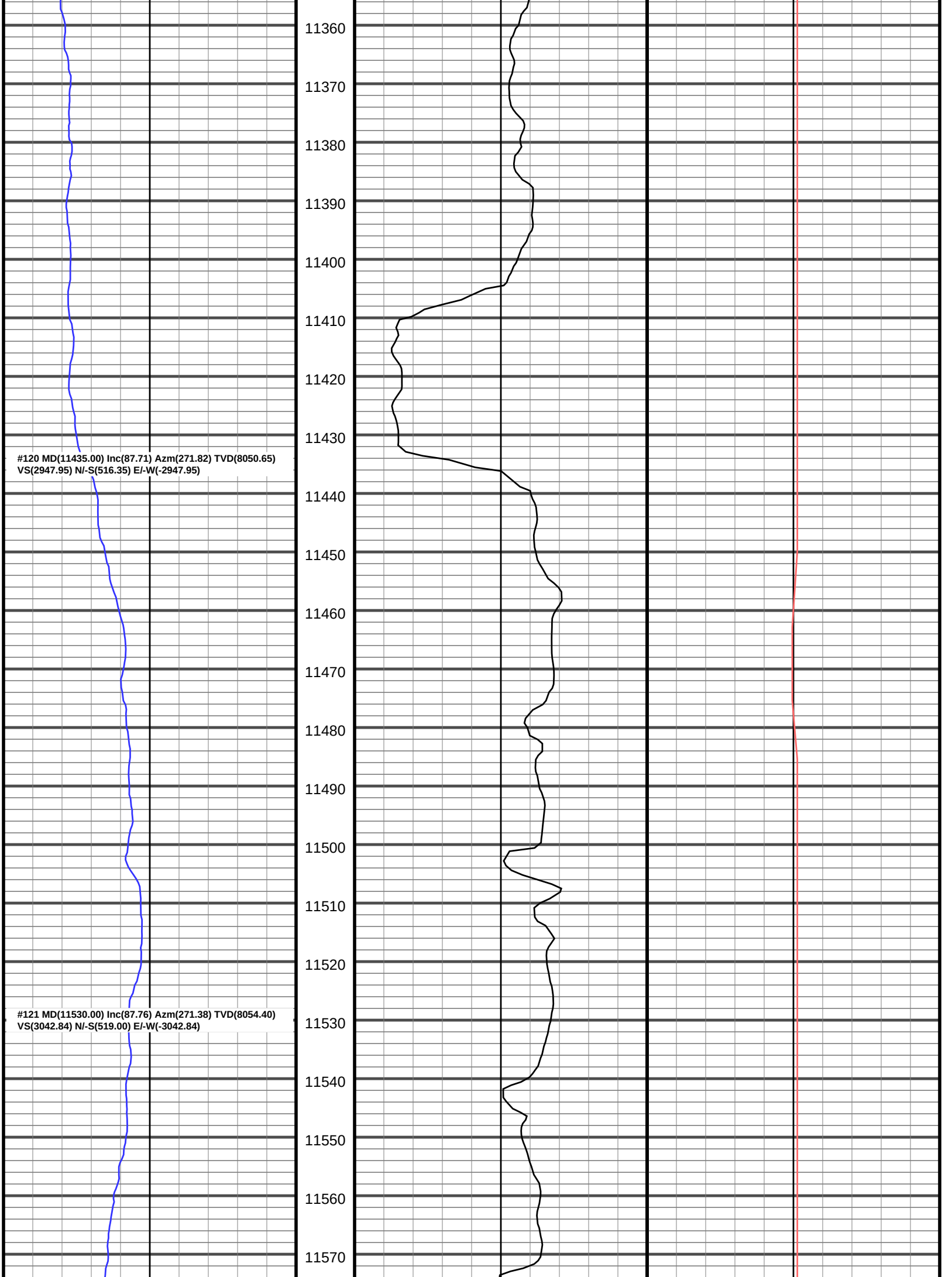
VS(2853.03) N/-S(515.45) E/-W(-2853.03)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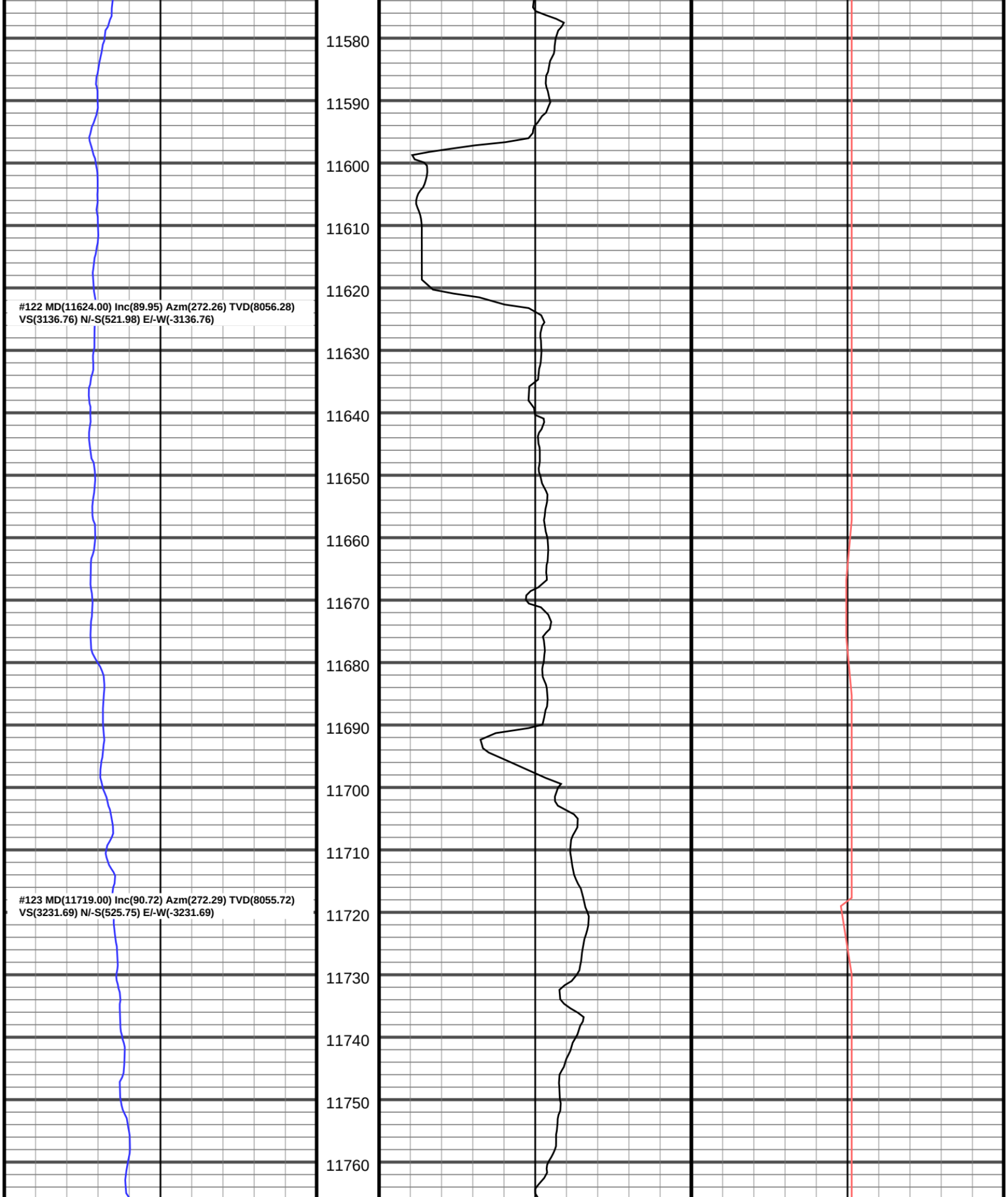
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#123 MD(11719.00) Inc(90.72) Azm(272.29) TVD(8055.72)
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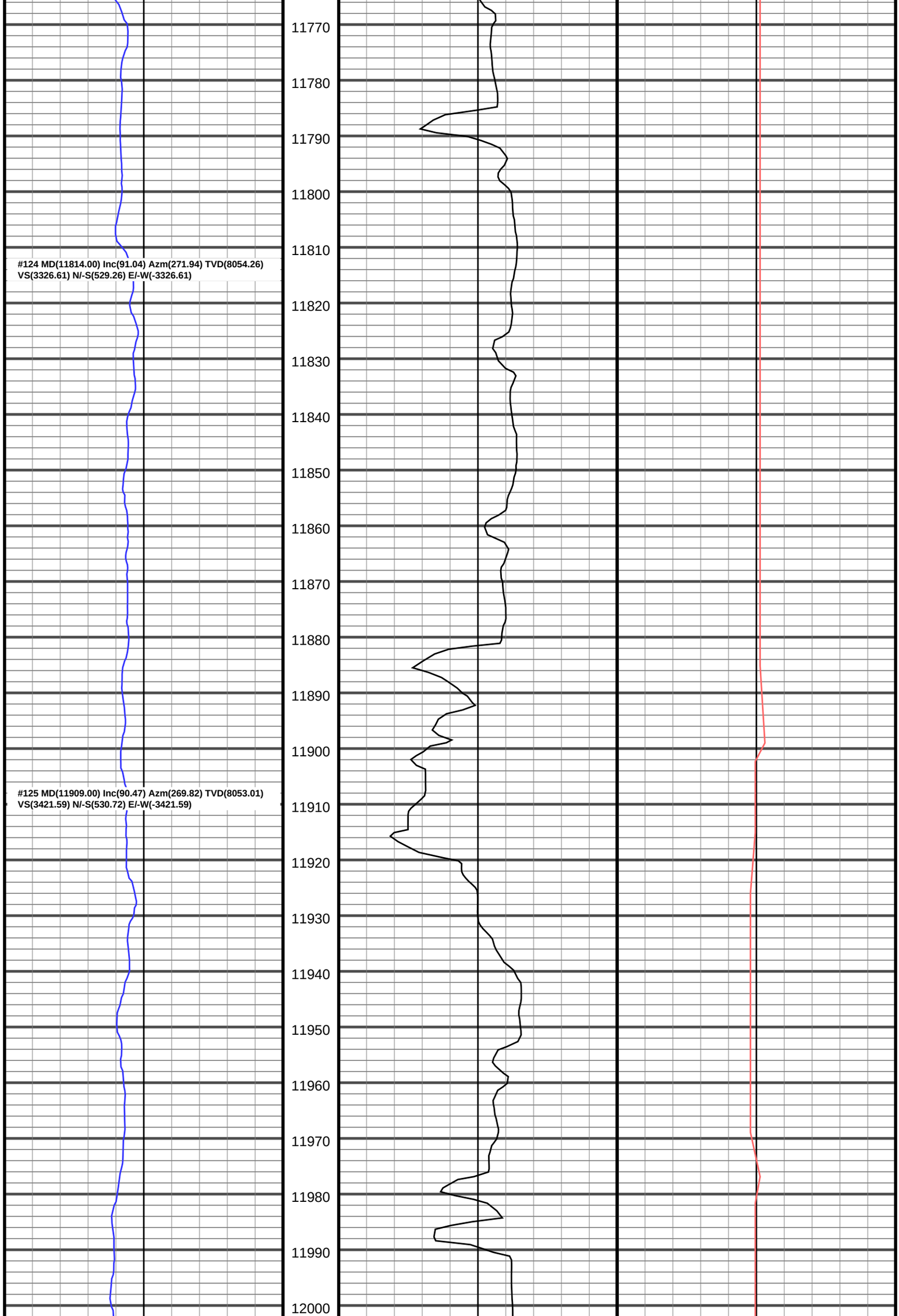
#124 MD(11814.00) Inc(91.04) Azm(271.94) TVD(8054.26)
VS(3326.61) N/-S(529.26) E/-W(-3326.61)
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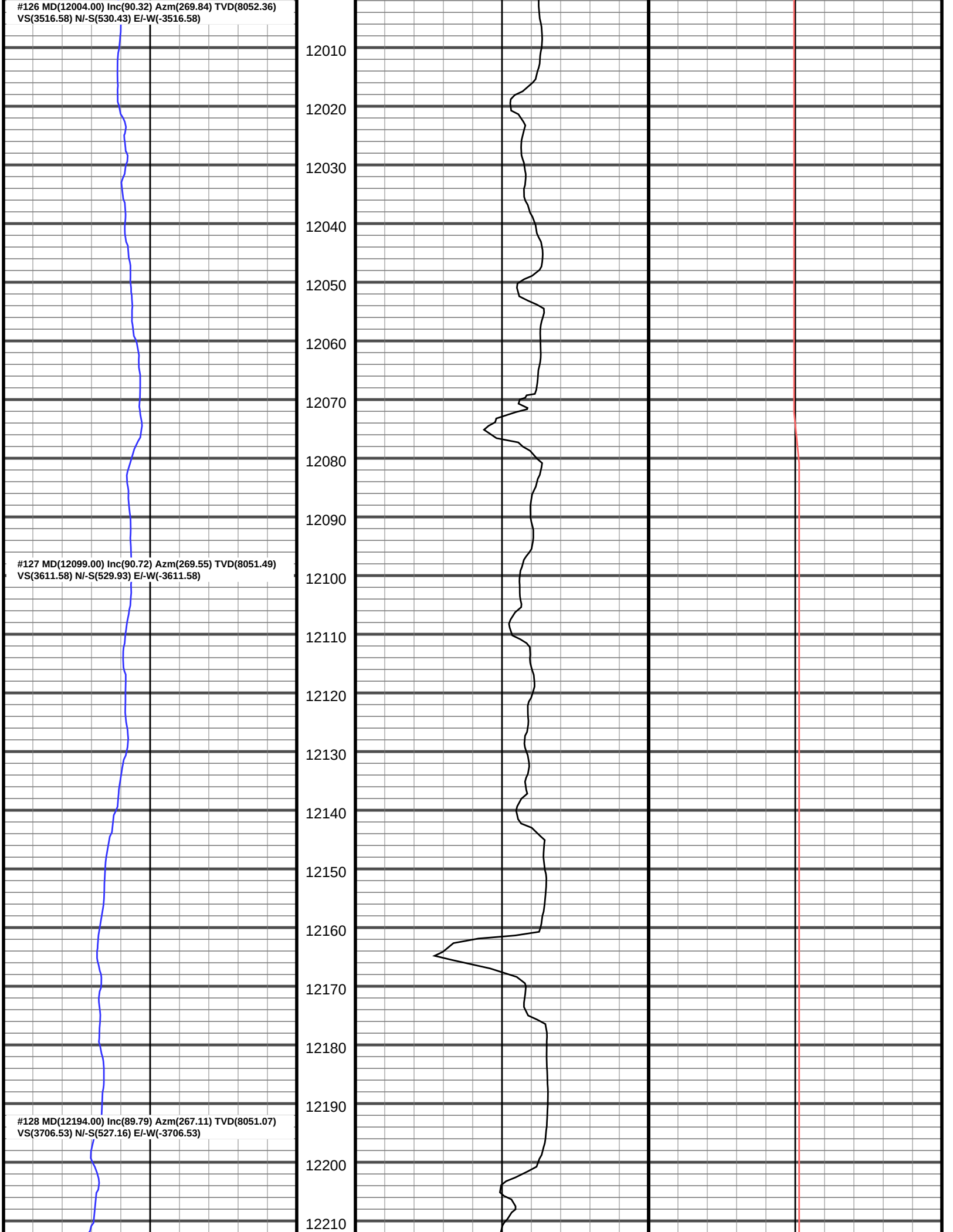
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#127 MD(12099.00) Inc(90.72) Azm(269.55) TVD(8051.49)
VS(3611.58) N/-S(529.93) E/-W(-3611.58)
#128 MD(12194.00) Inc(89.79) Azm(267.11) TVD(8051.07)
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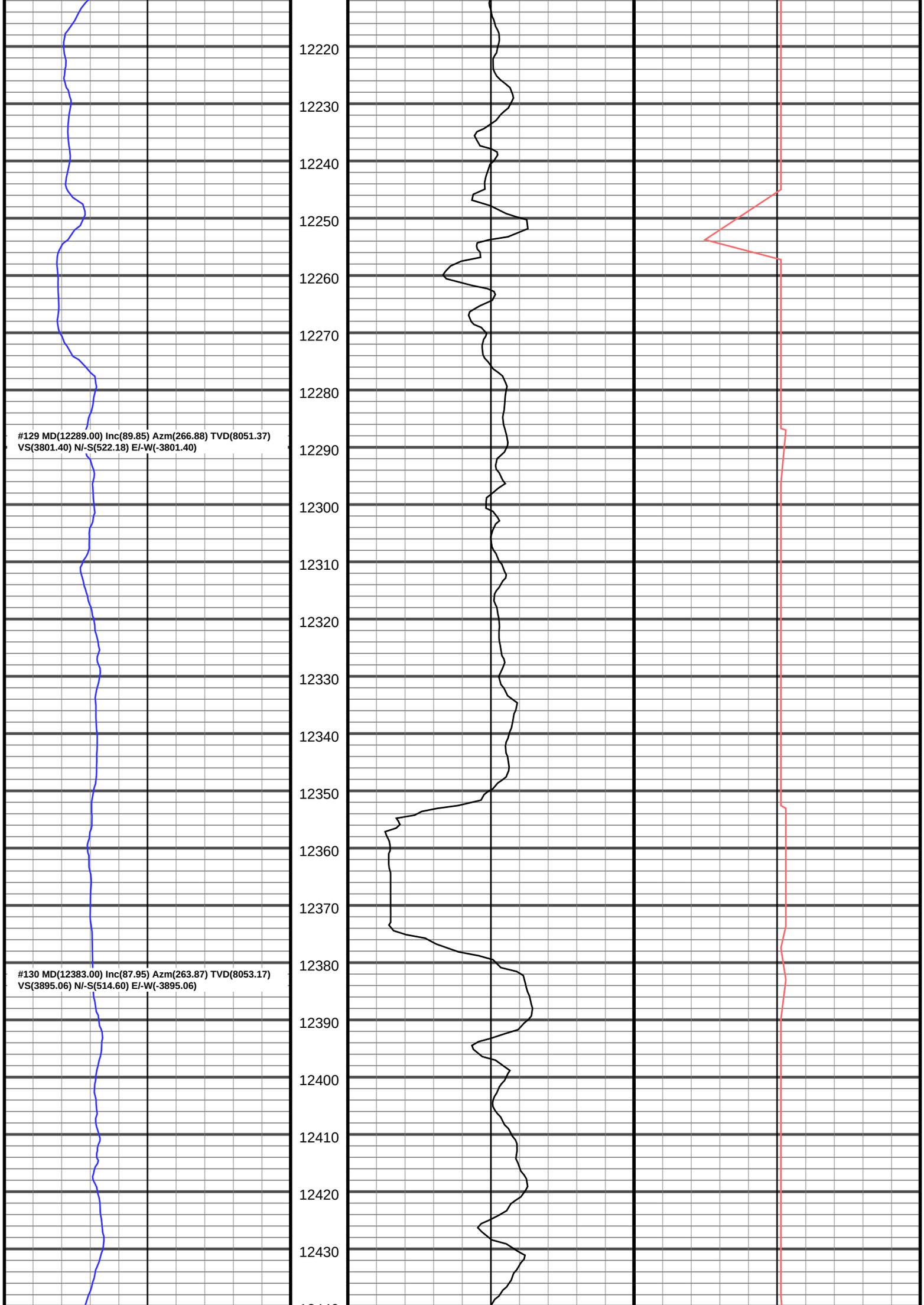
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VS(3801.40) N/-S(522.18) E/-W(-3801.40)
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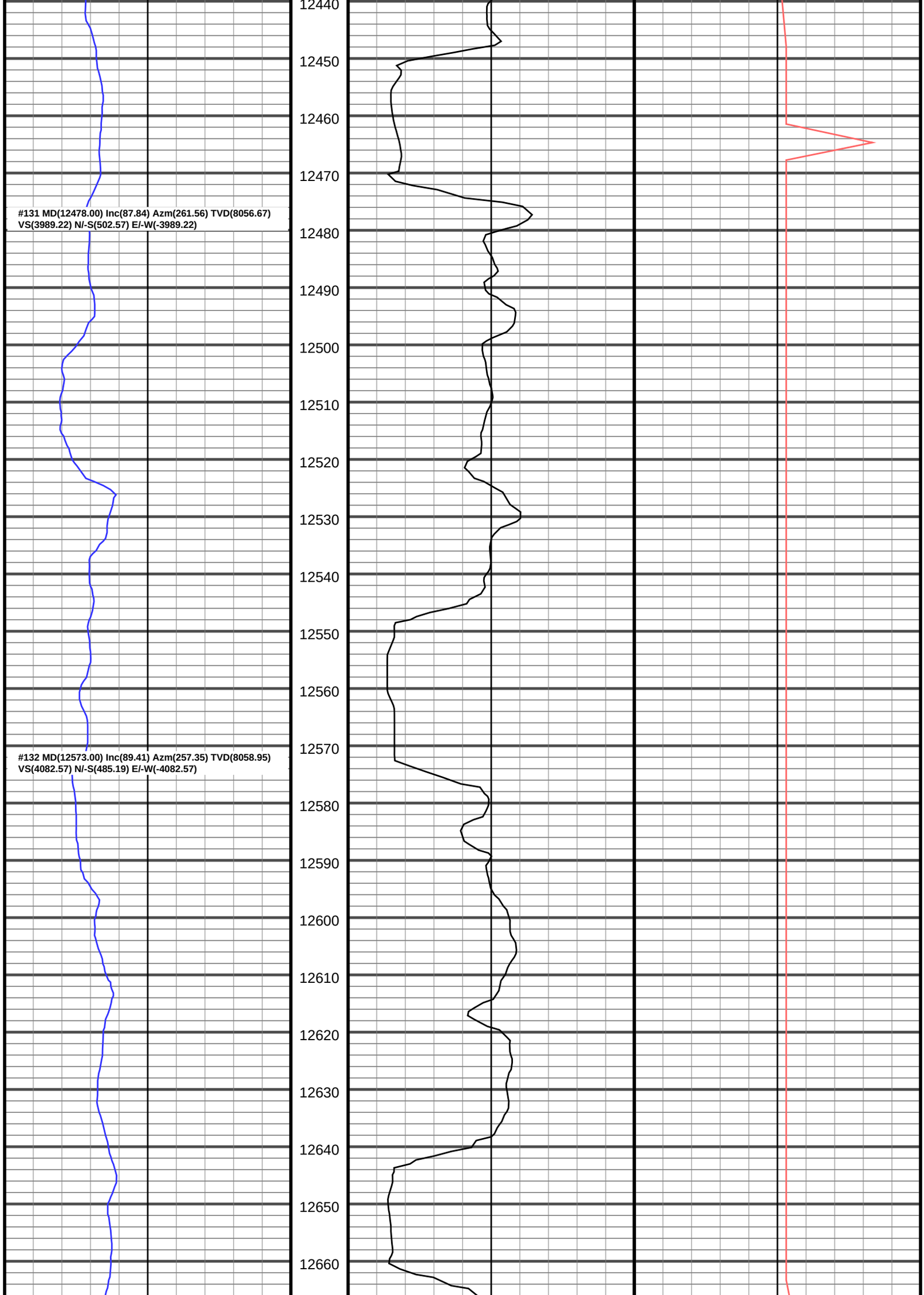
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VS(4082.57) N/-S(485.19) E/-W(-4082.57)
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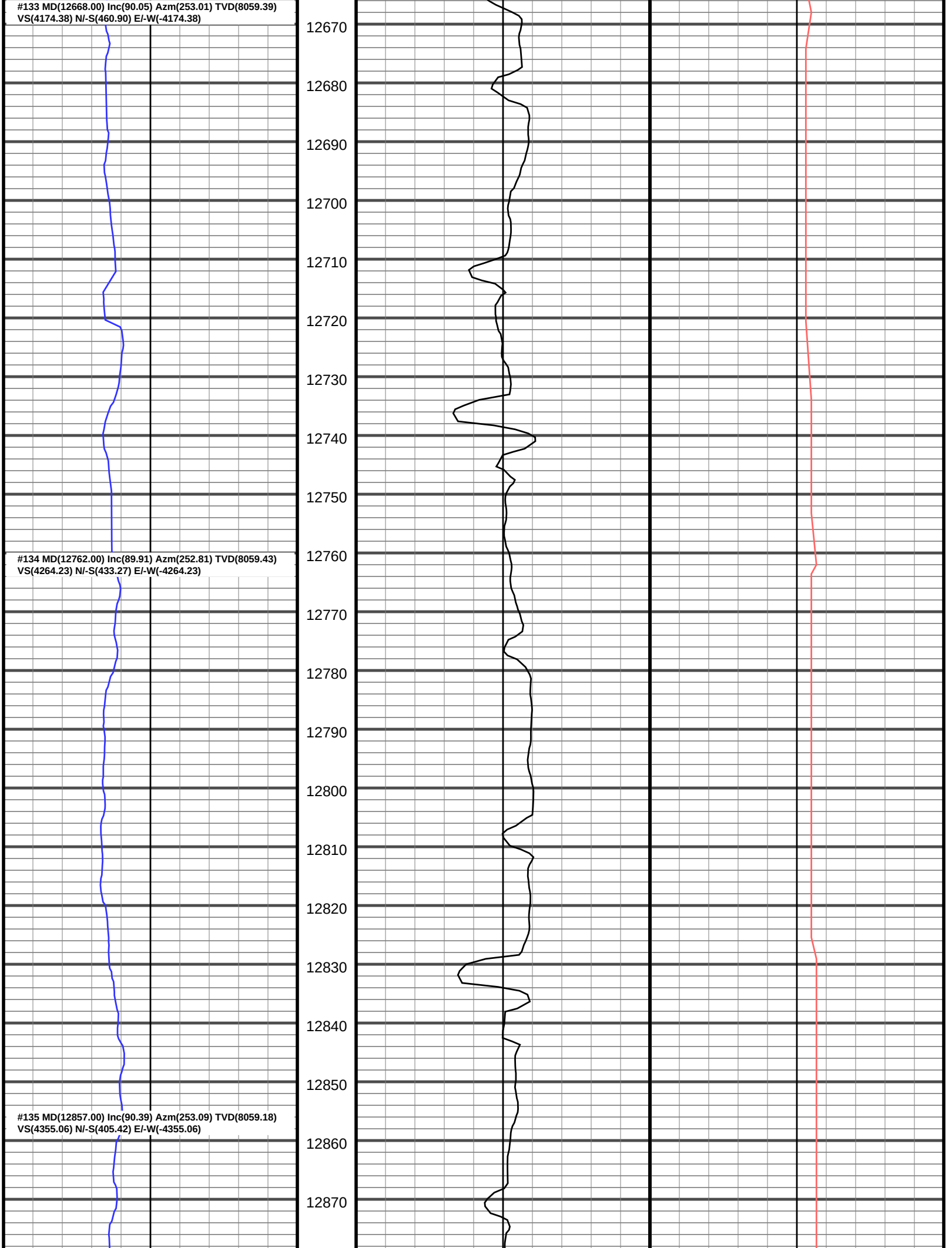
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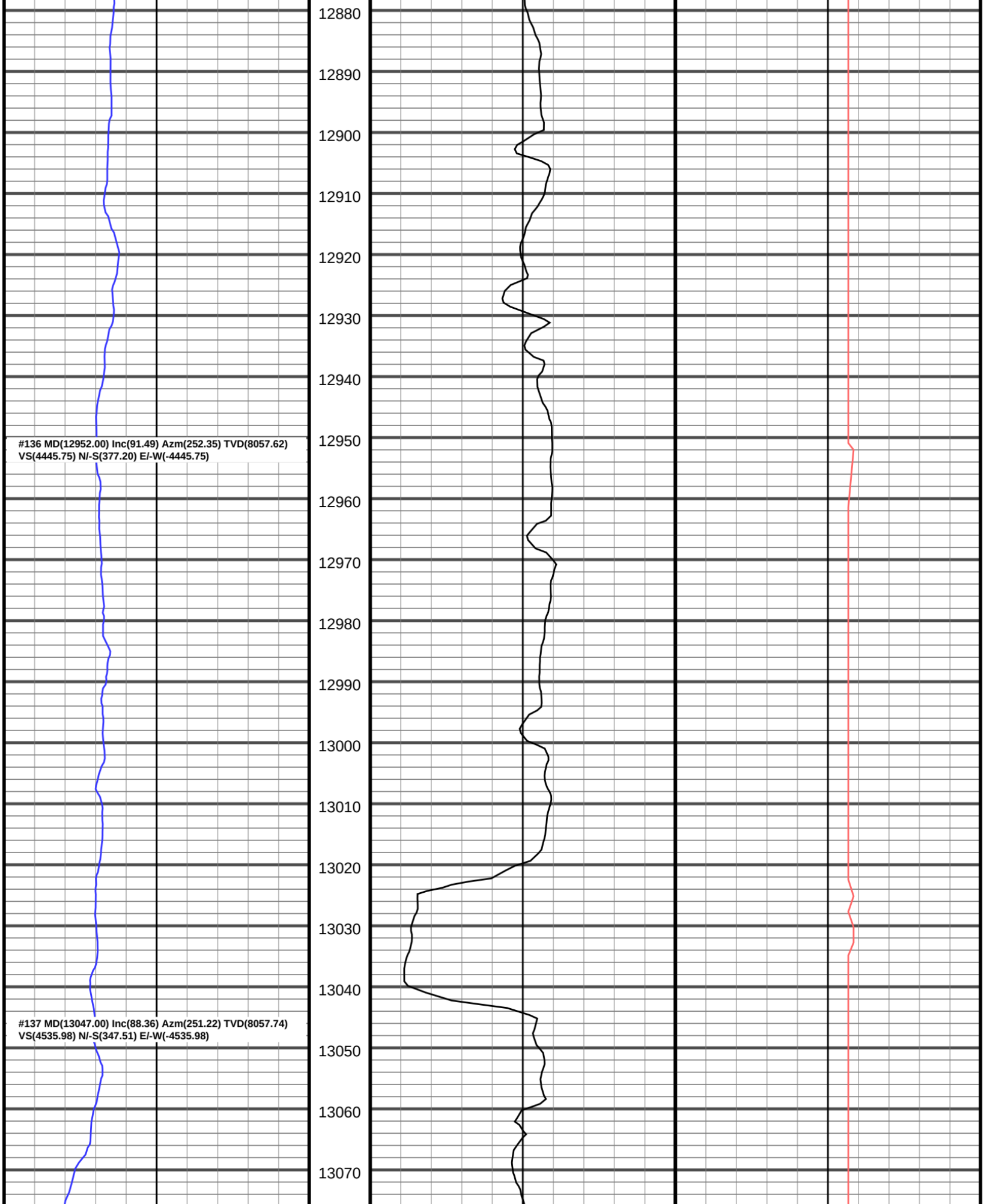
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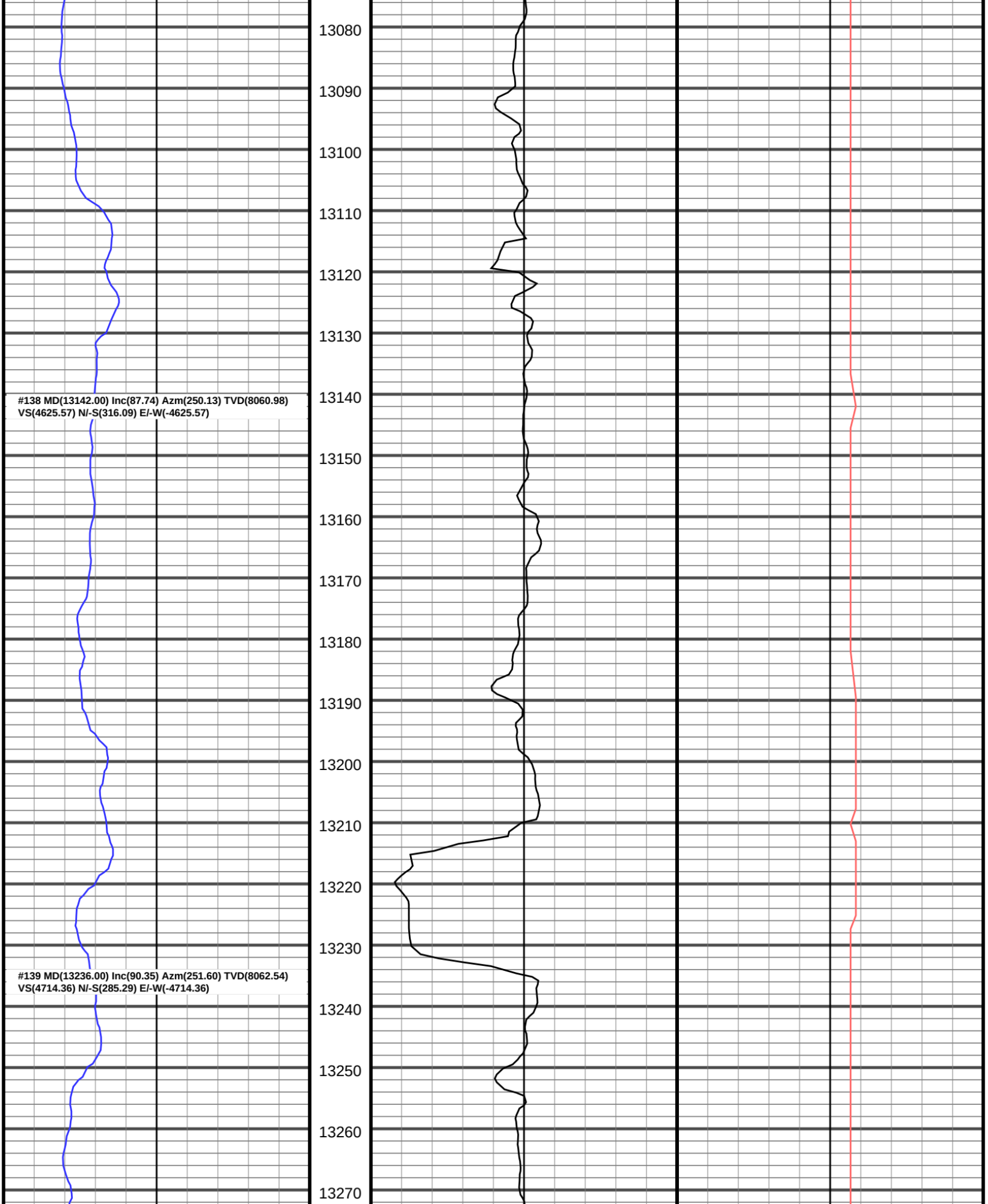
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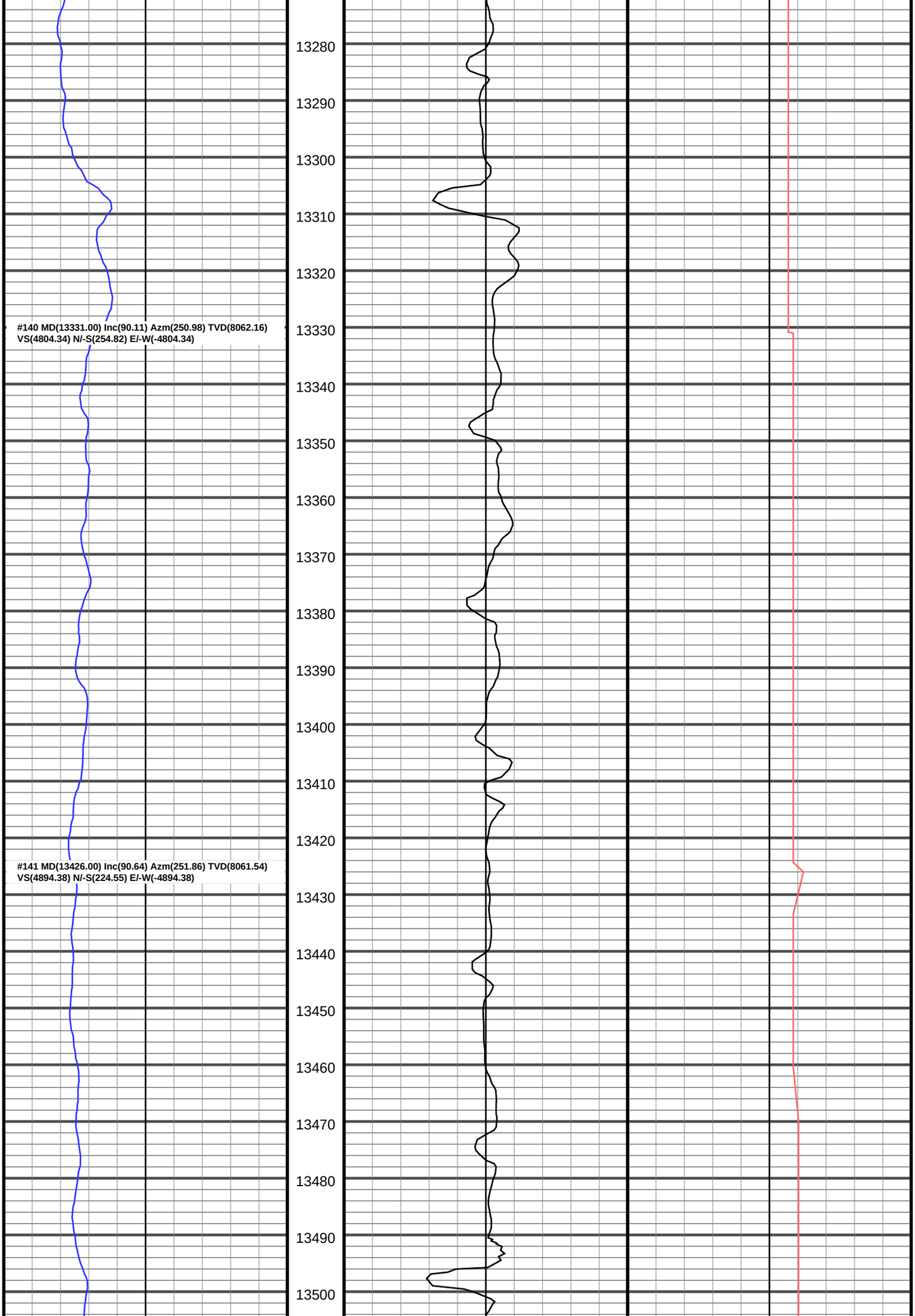
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VS(4804.34) N/-S(254.82) E/-W(-4804.34)
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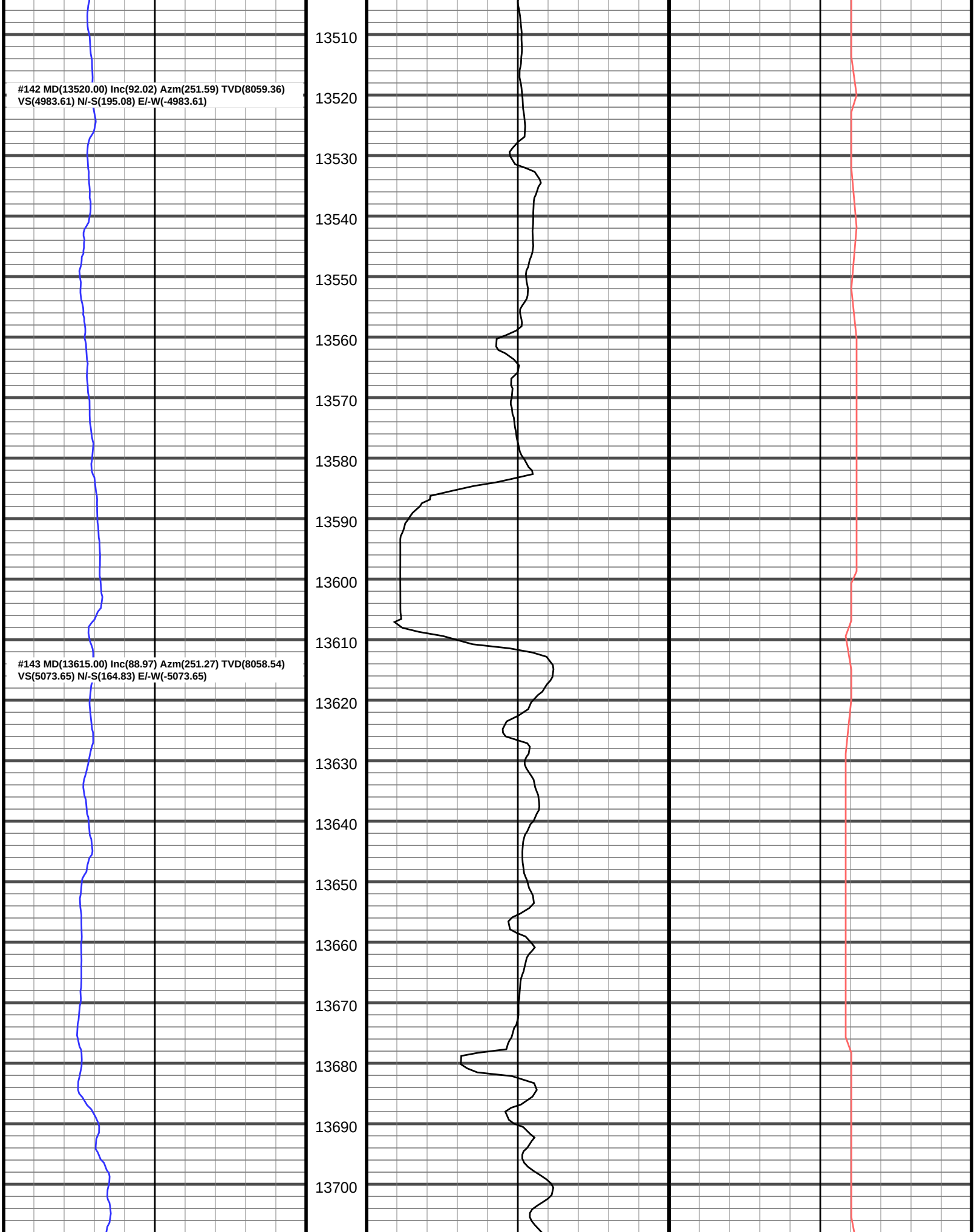
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#143 MD(13615.00) Inc(88.97) Azm(251.27) TVD(8058.54)
VS(5073.65) N/-S(164.83) E/-W(-5073.65)
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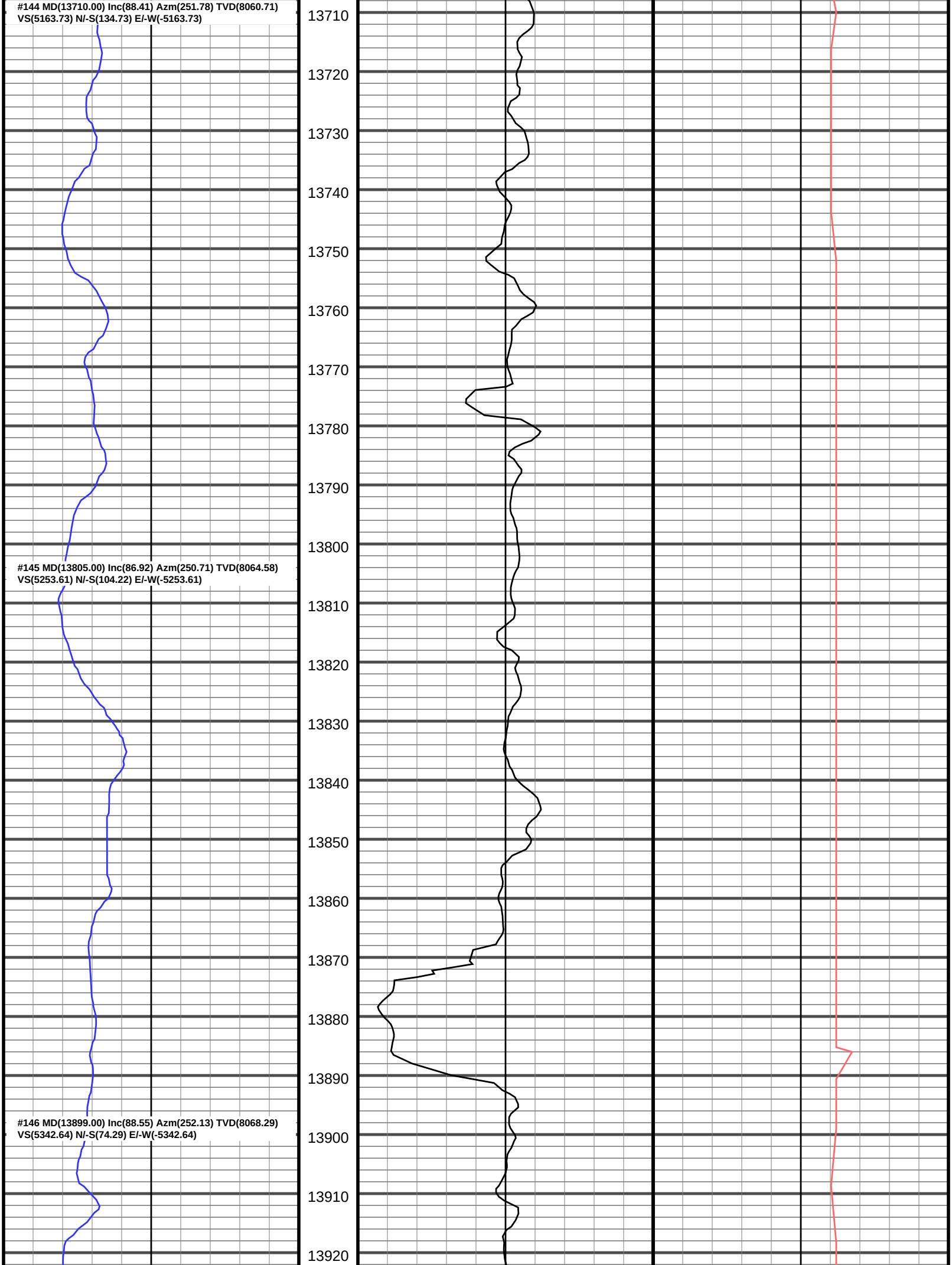
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VS(5253.61) N/-S(104.22) E/-W(-5253.61)
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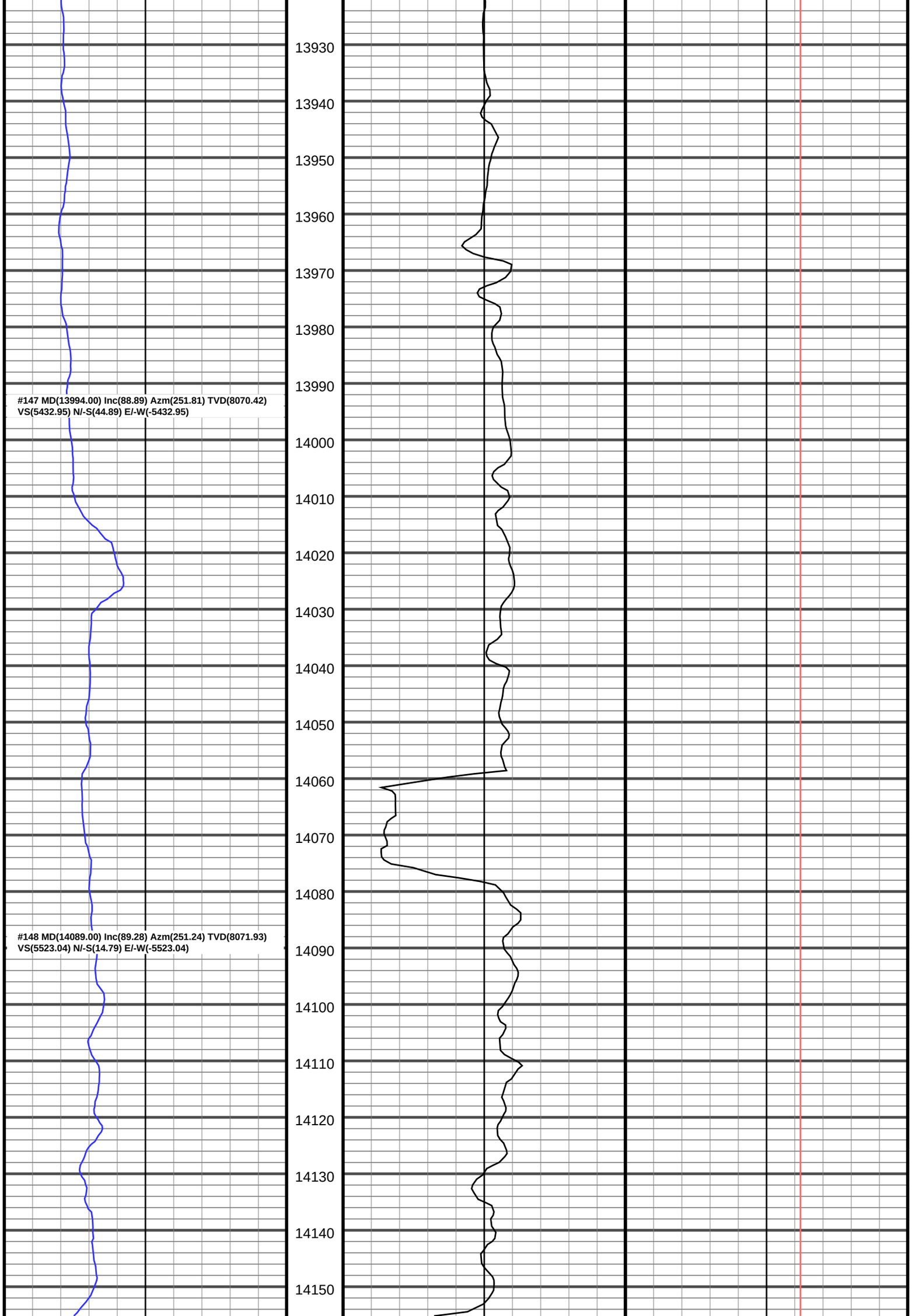
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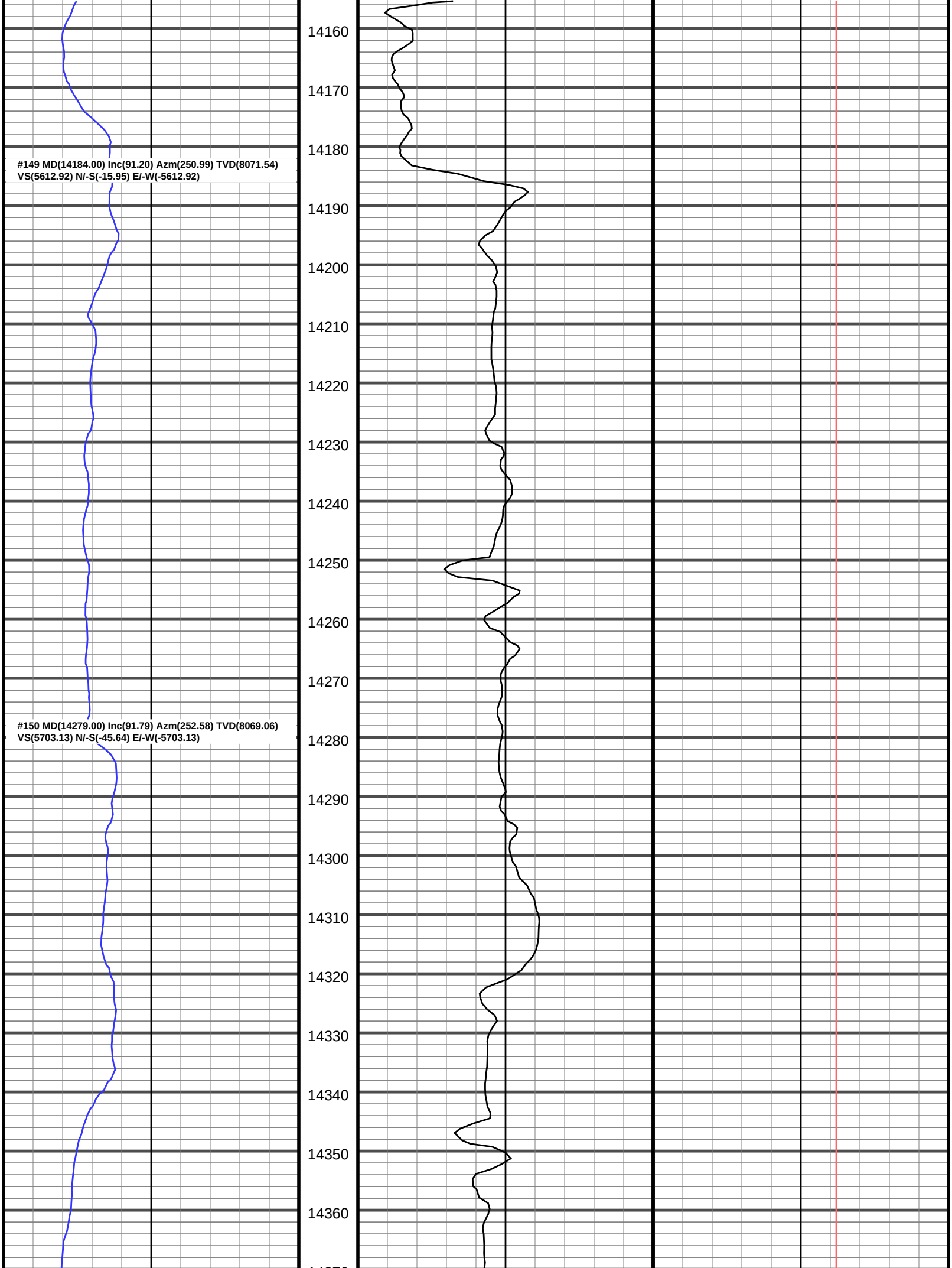
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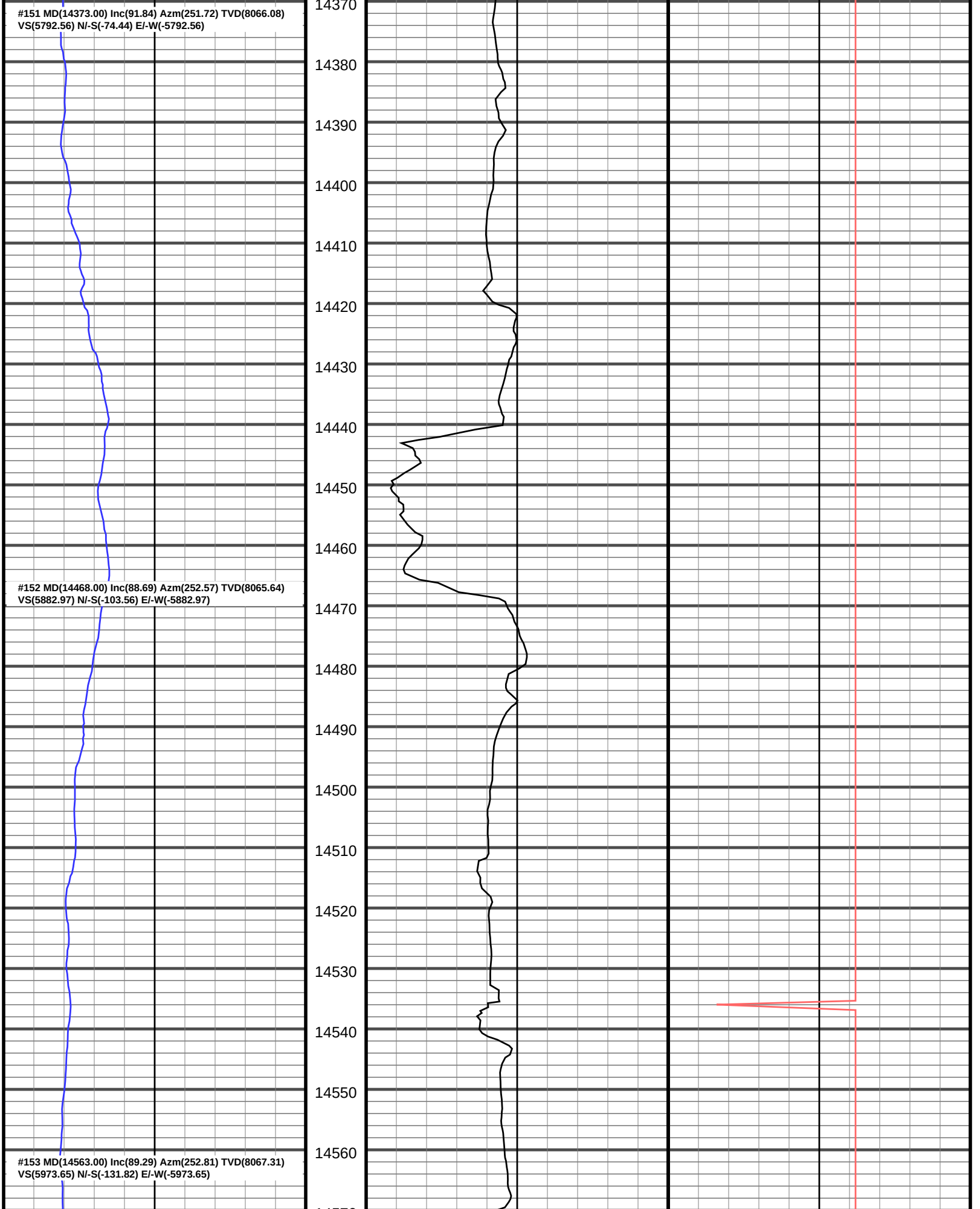
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VS(5882.97) N/-S(-103.56) E/-W(-5882.97)
#153 MD(14563.00) Inc(89.29) Azm(252.81) TVD(8067.31)
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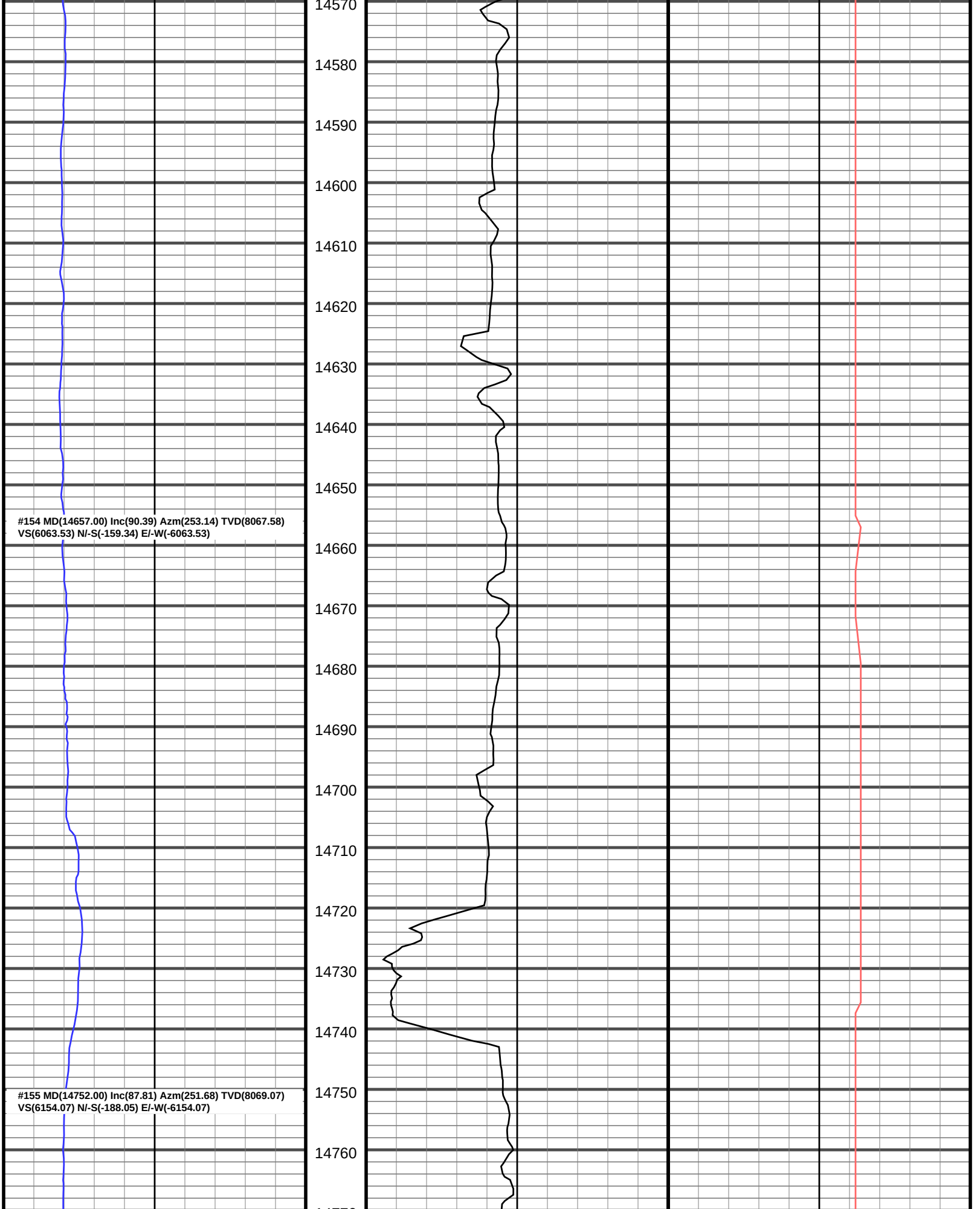
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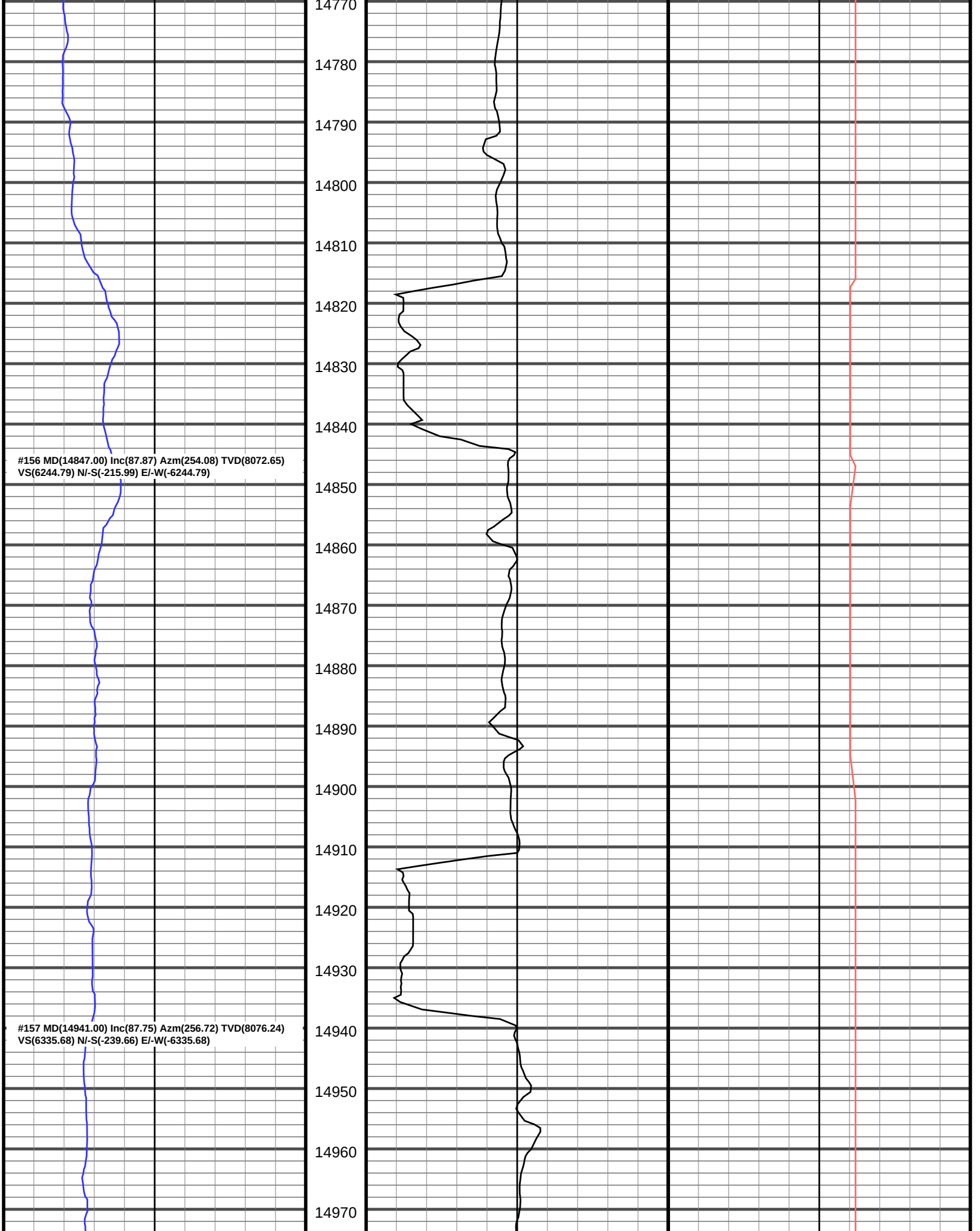
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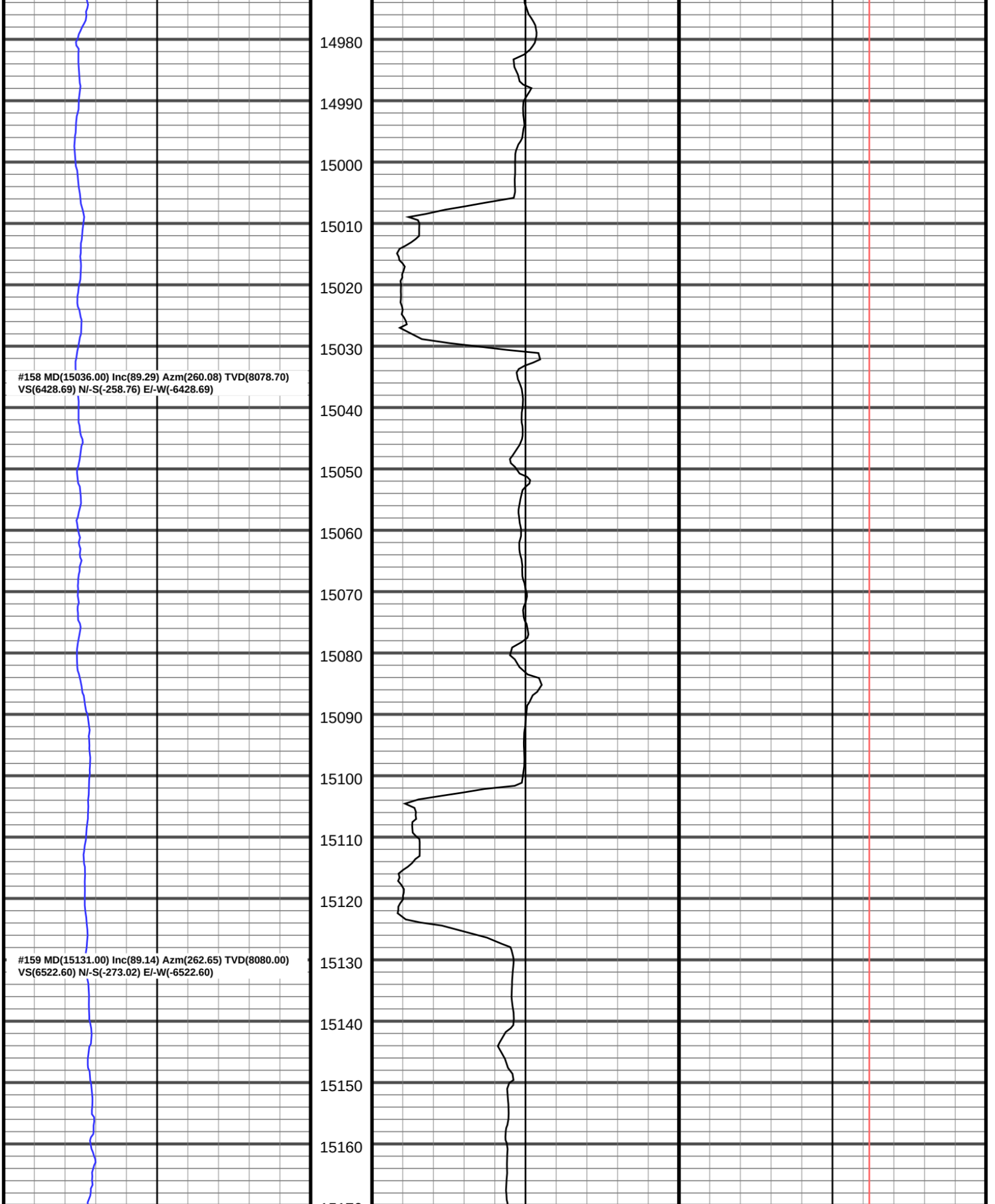
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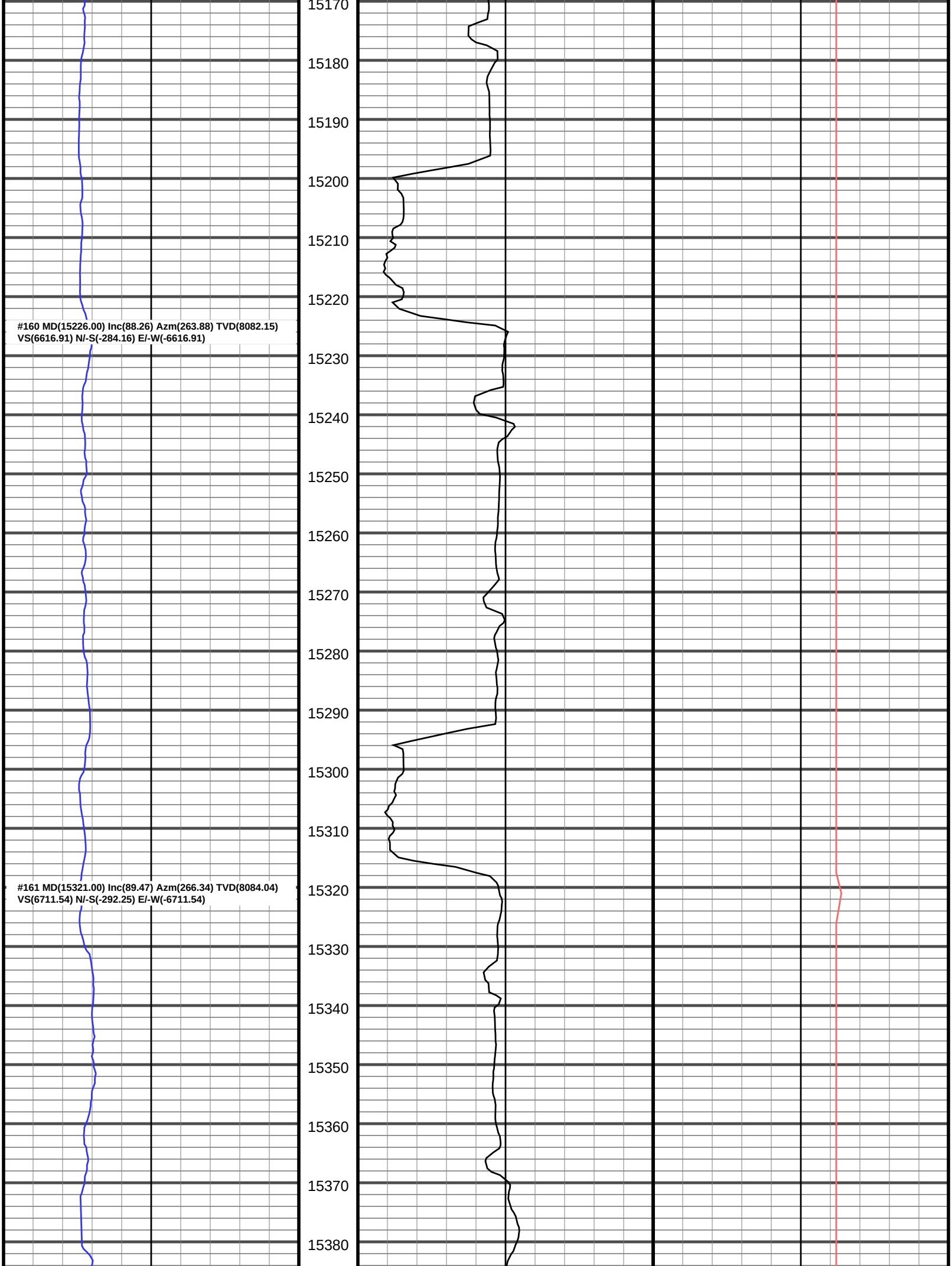
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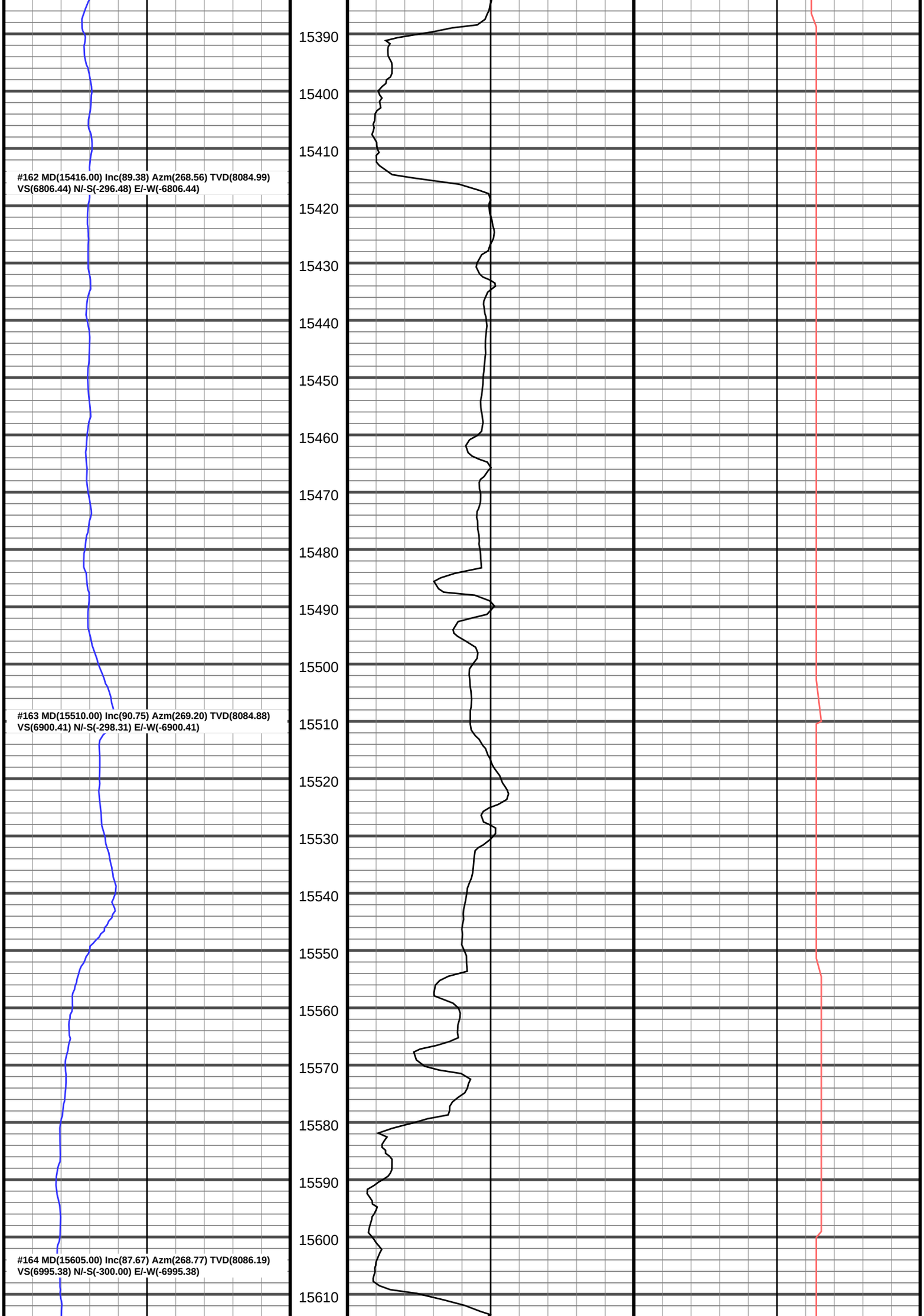
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VS(6900.41) N/-S(-298.31) E/-W(-6900.41)
#164 MD(15605.00) Inc(87.67) Azm(268.77) TVD(8086.19)
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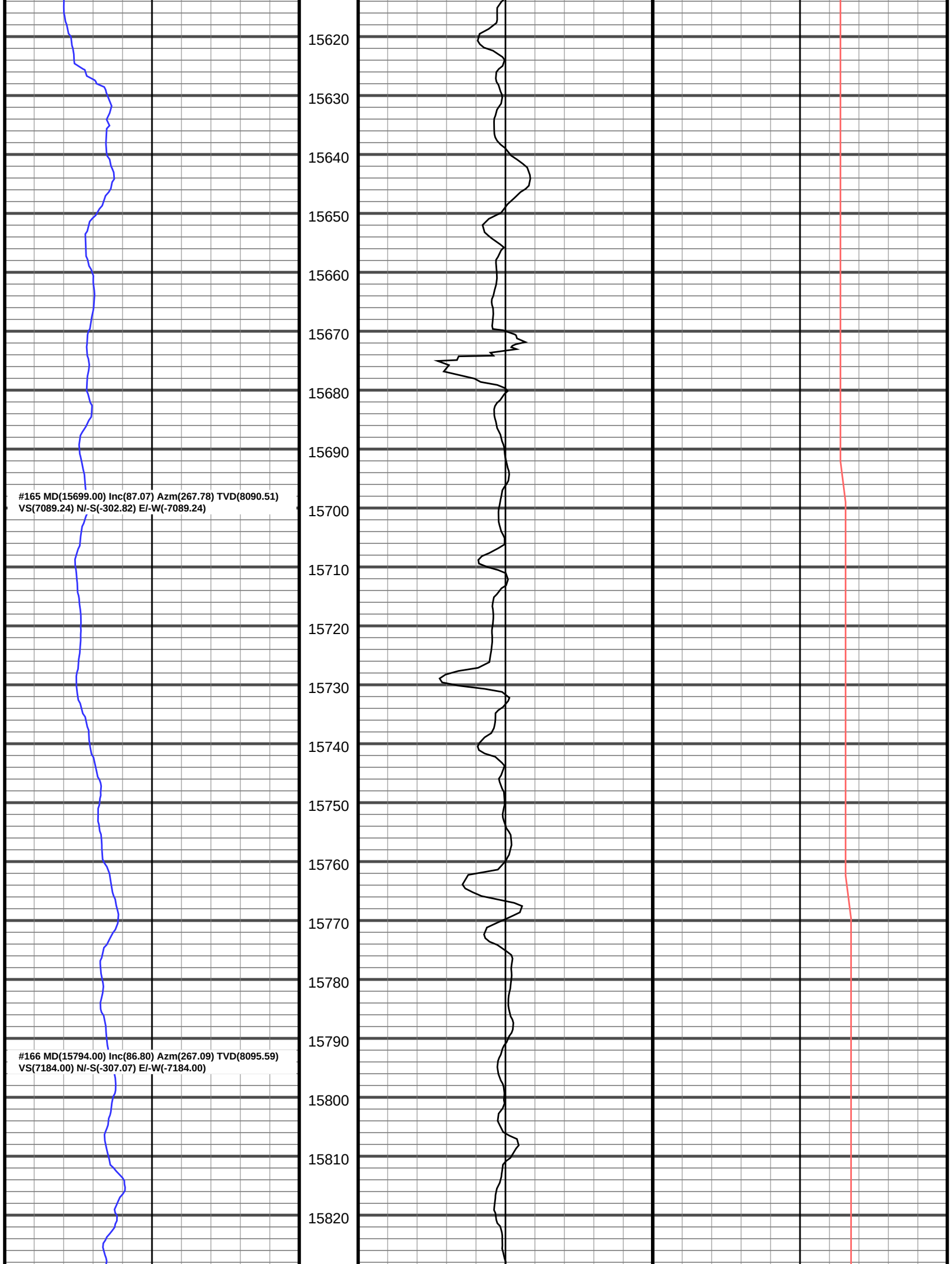
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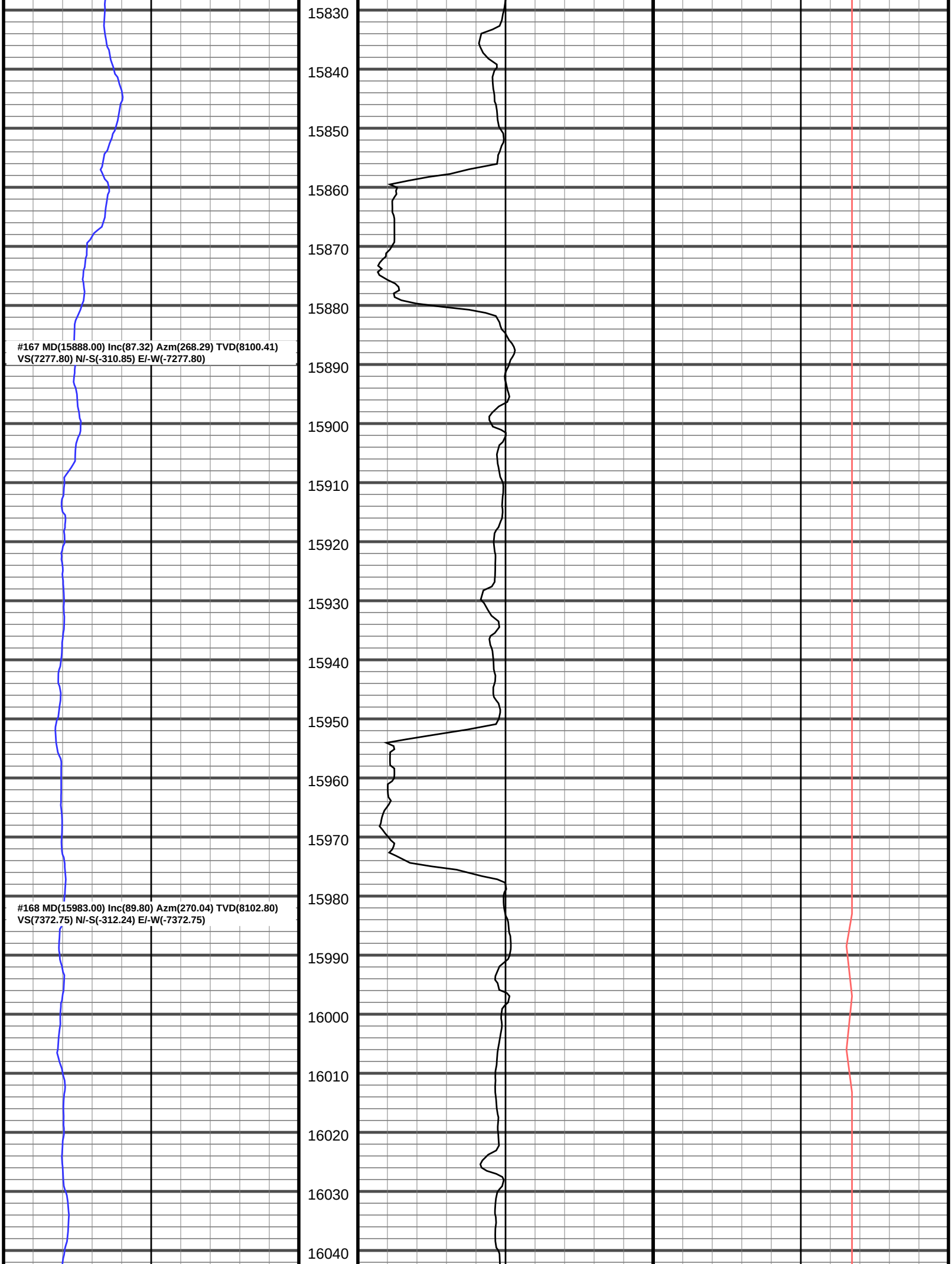
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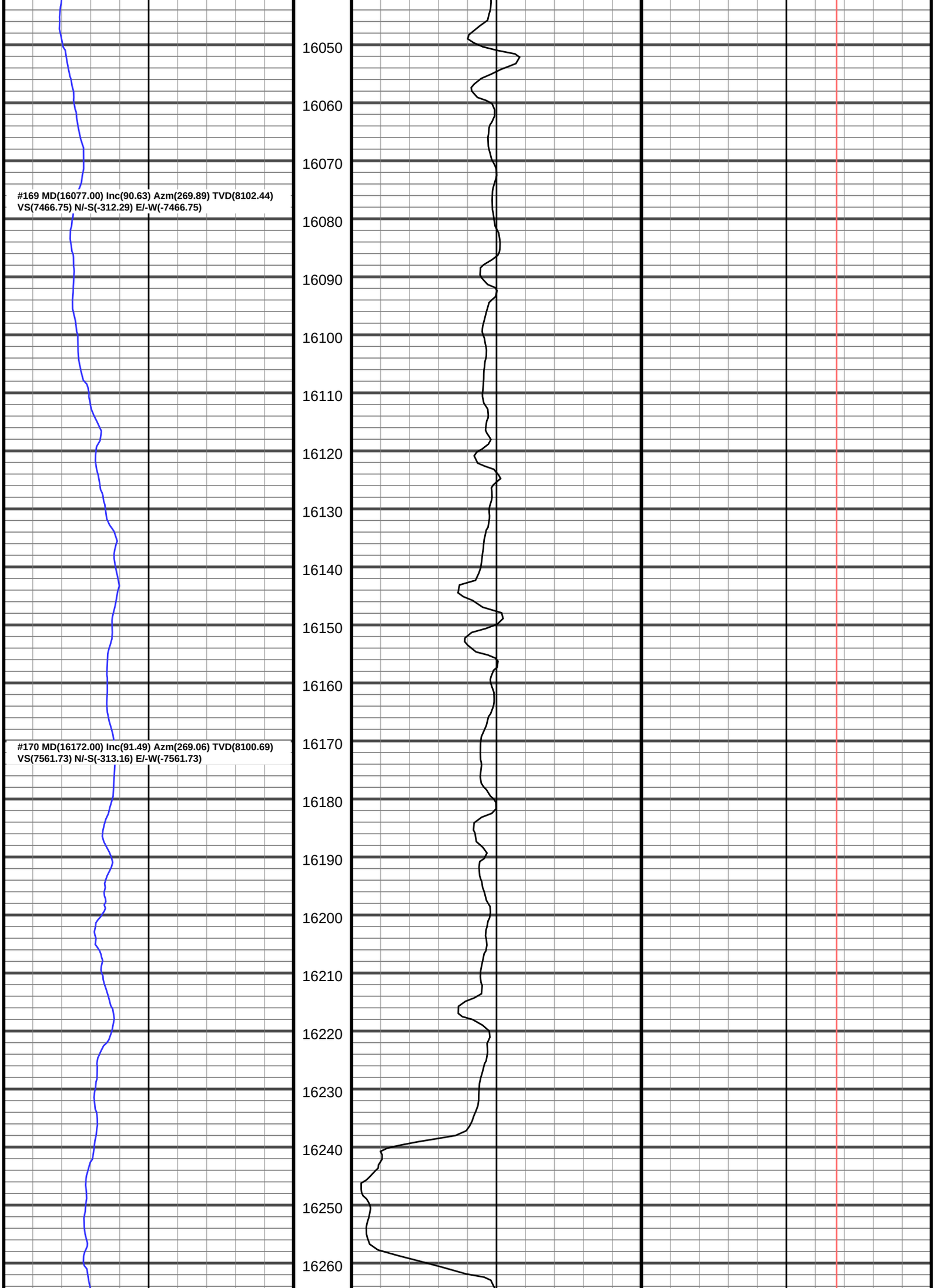
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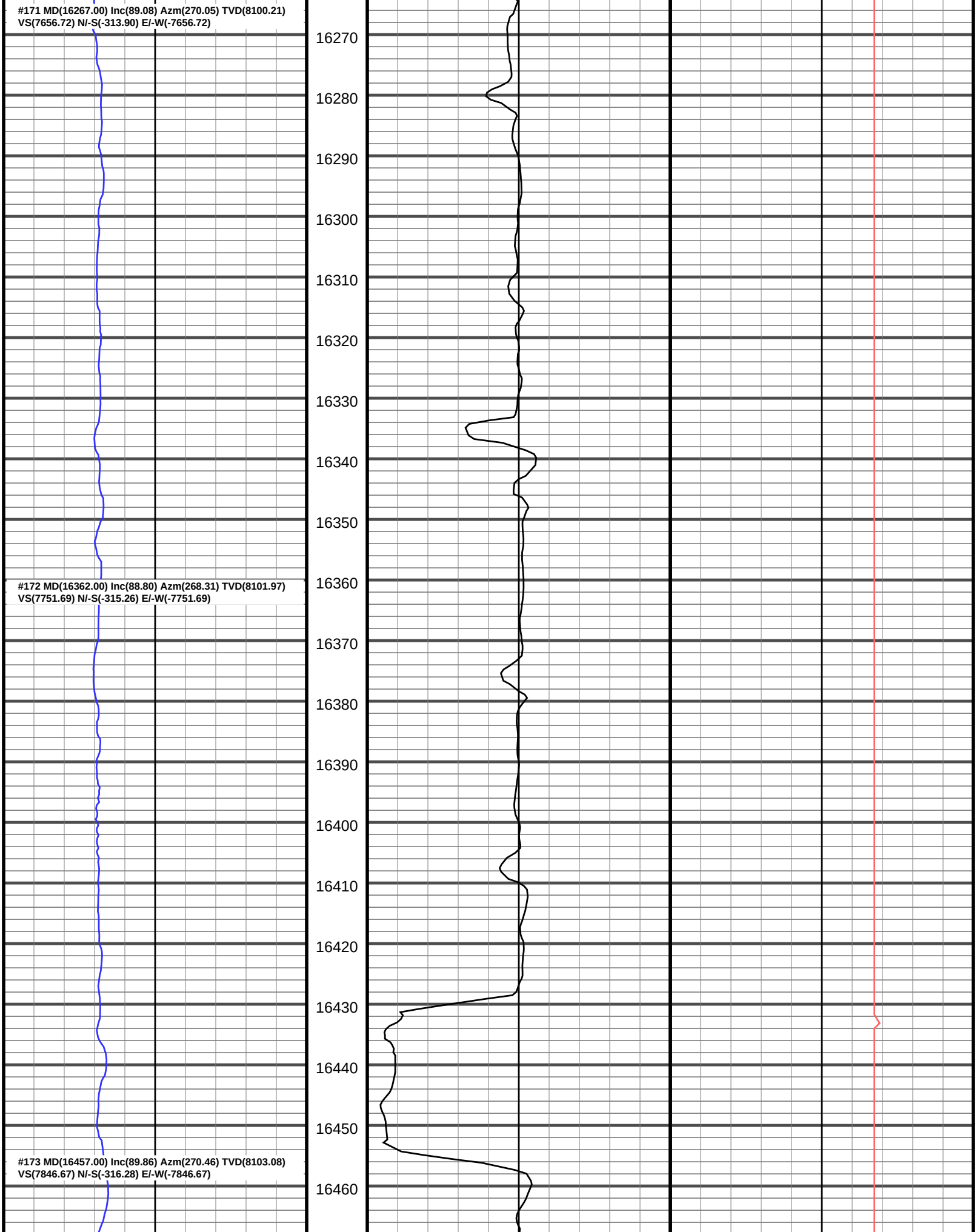
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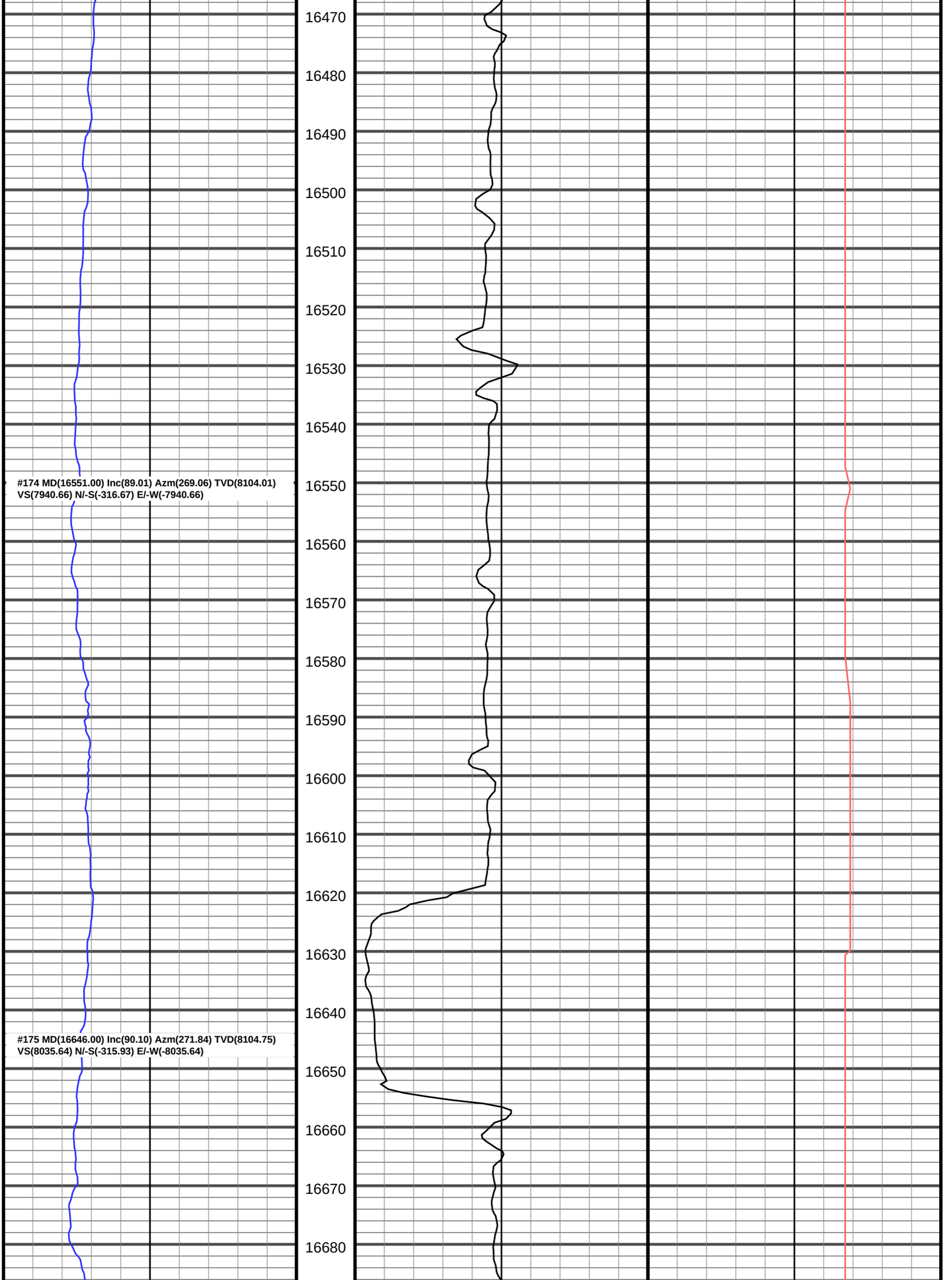
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VS(7940.66) N/-S(-316.67) E/-W(-7940.66)
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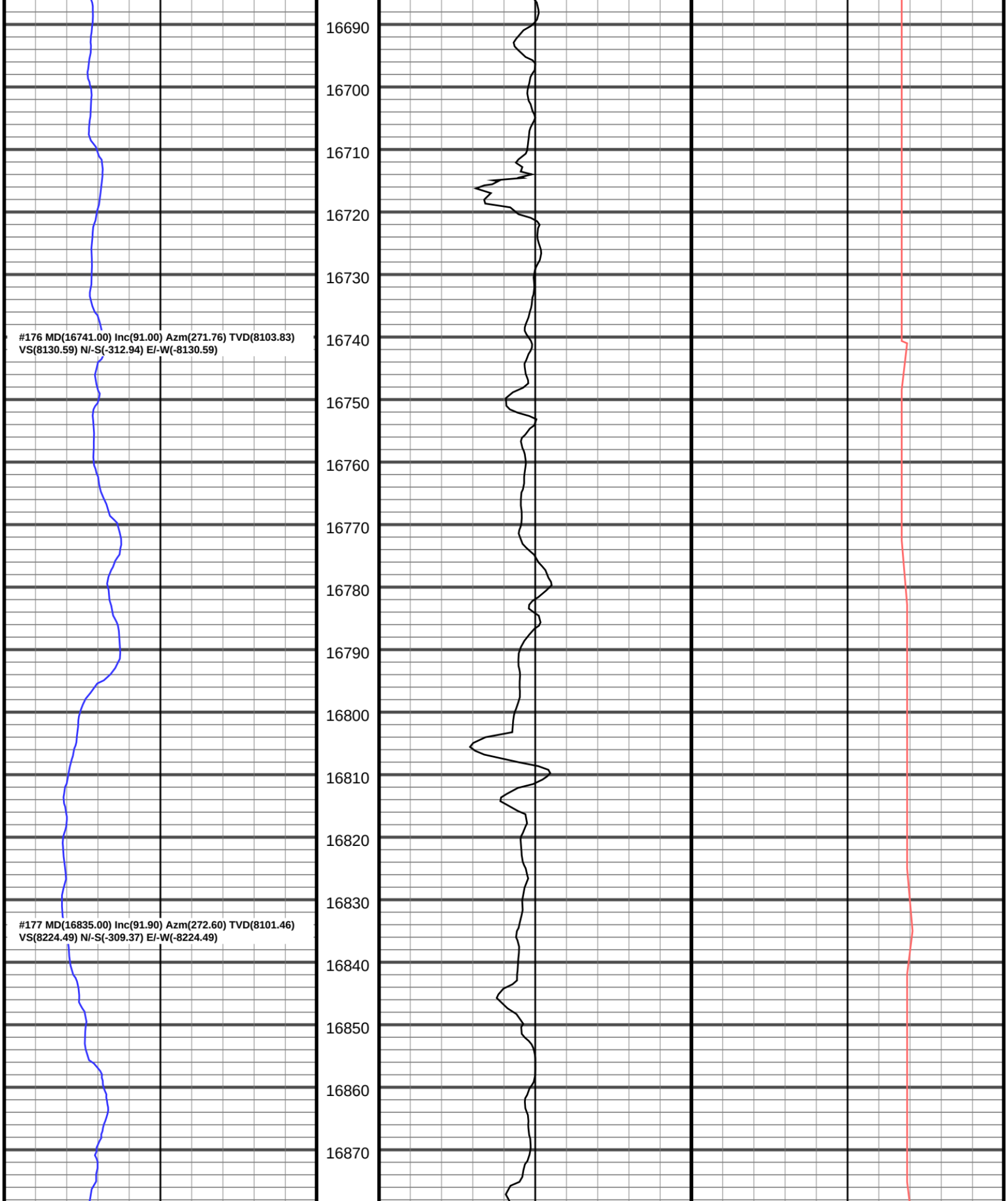
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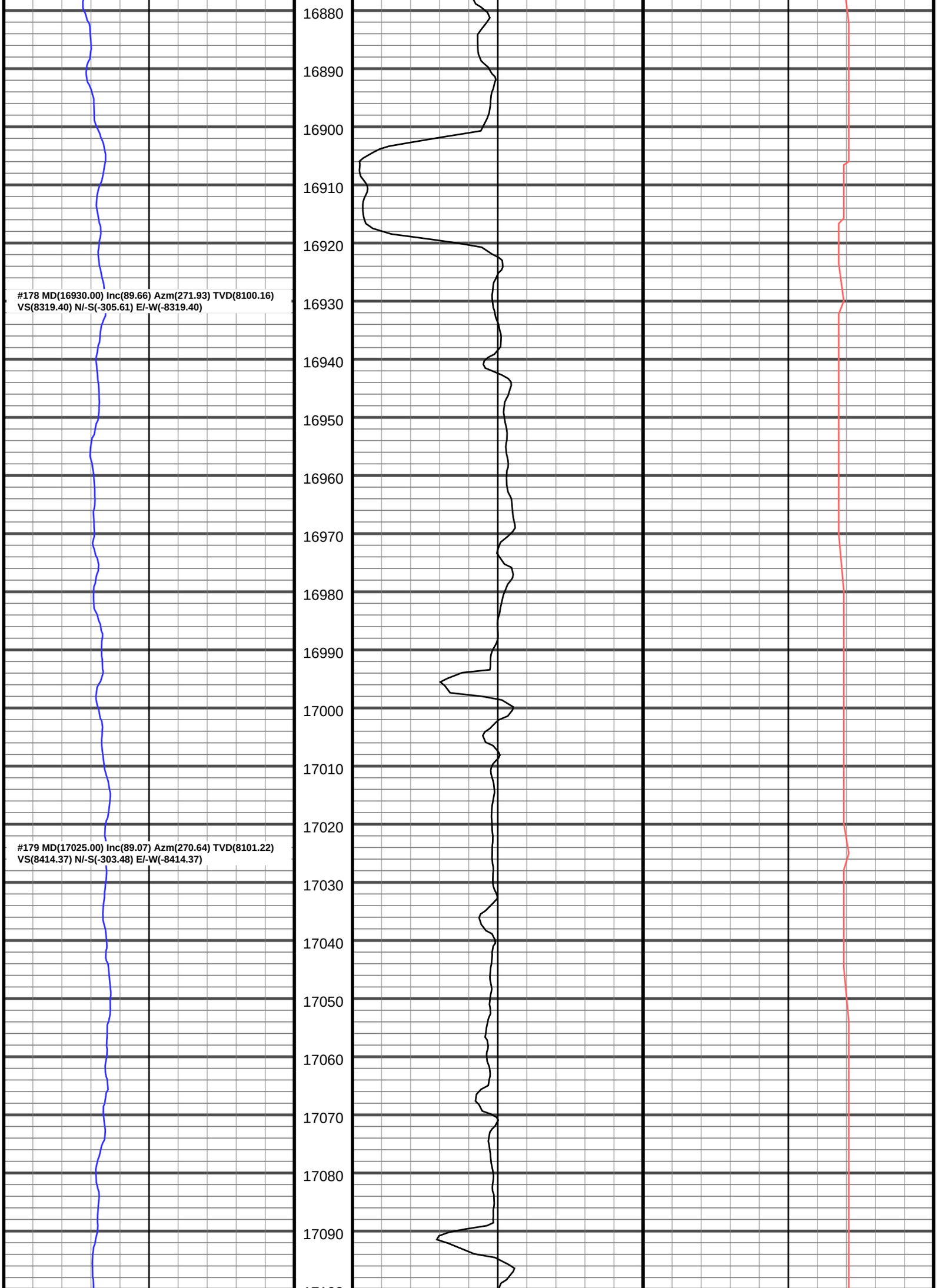
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#178 MD(16930.00) Inc(89.66) Azm(271.93) TVD(8100.16)
VS(8319.40) N/-S(-305.61) E/-W(-8319.40)
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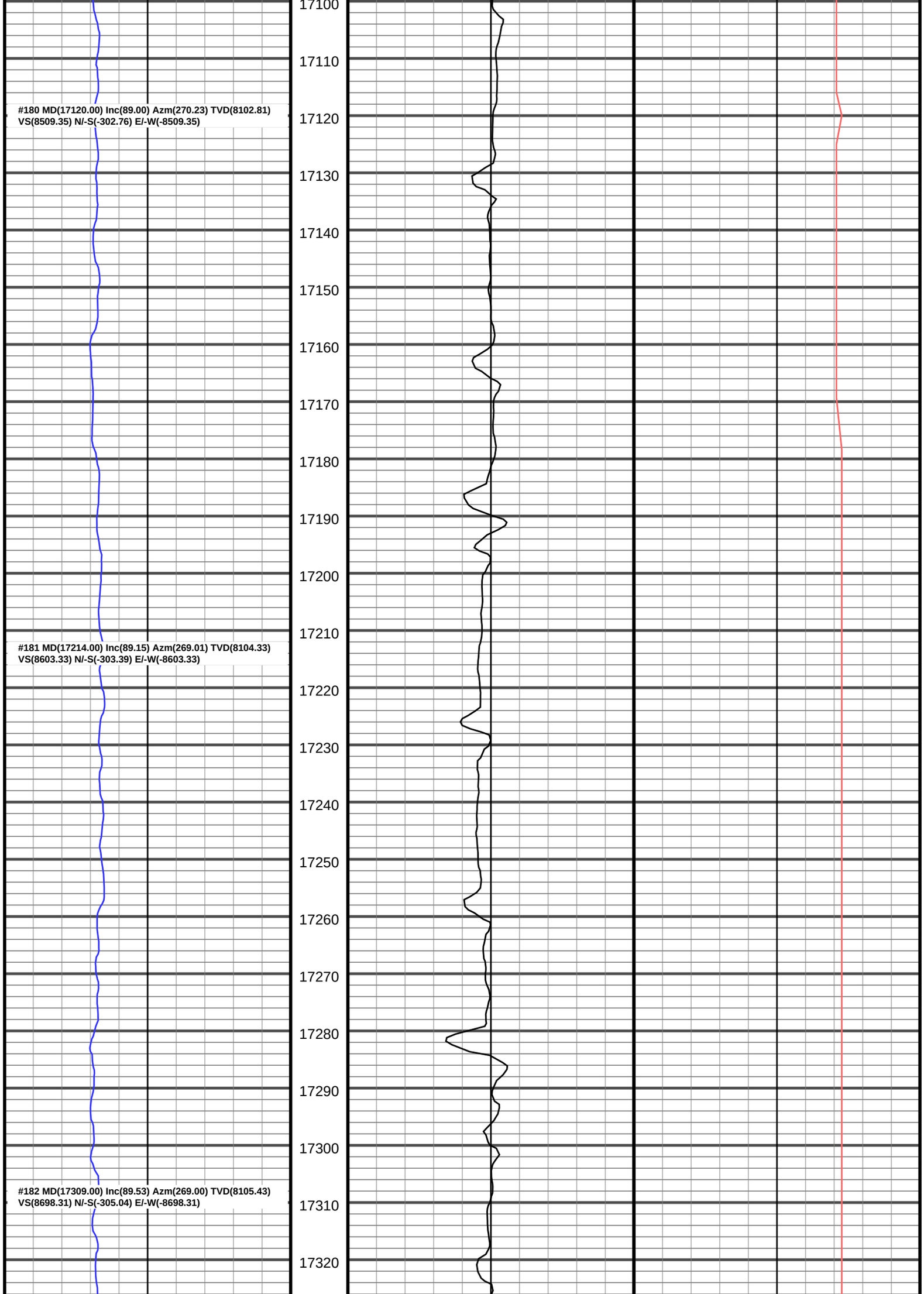
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#181 MD(17214.00) Inc(89.15) Azm(269.01) TVD(8104.33)
VS(8603.33) N/-S(-303.39) E/-W(-8603.33)
#182 MD(17309.00) Inc(89.53) Azm(269.00) TVD(8105.43)
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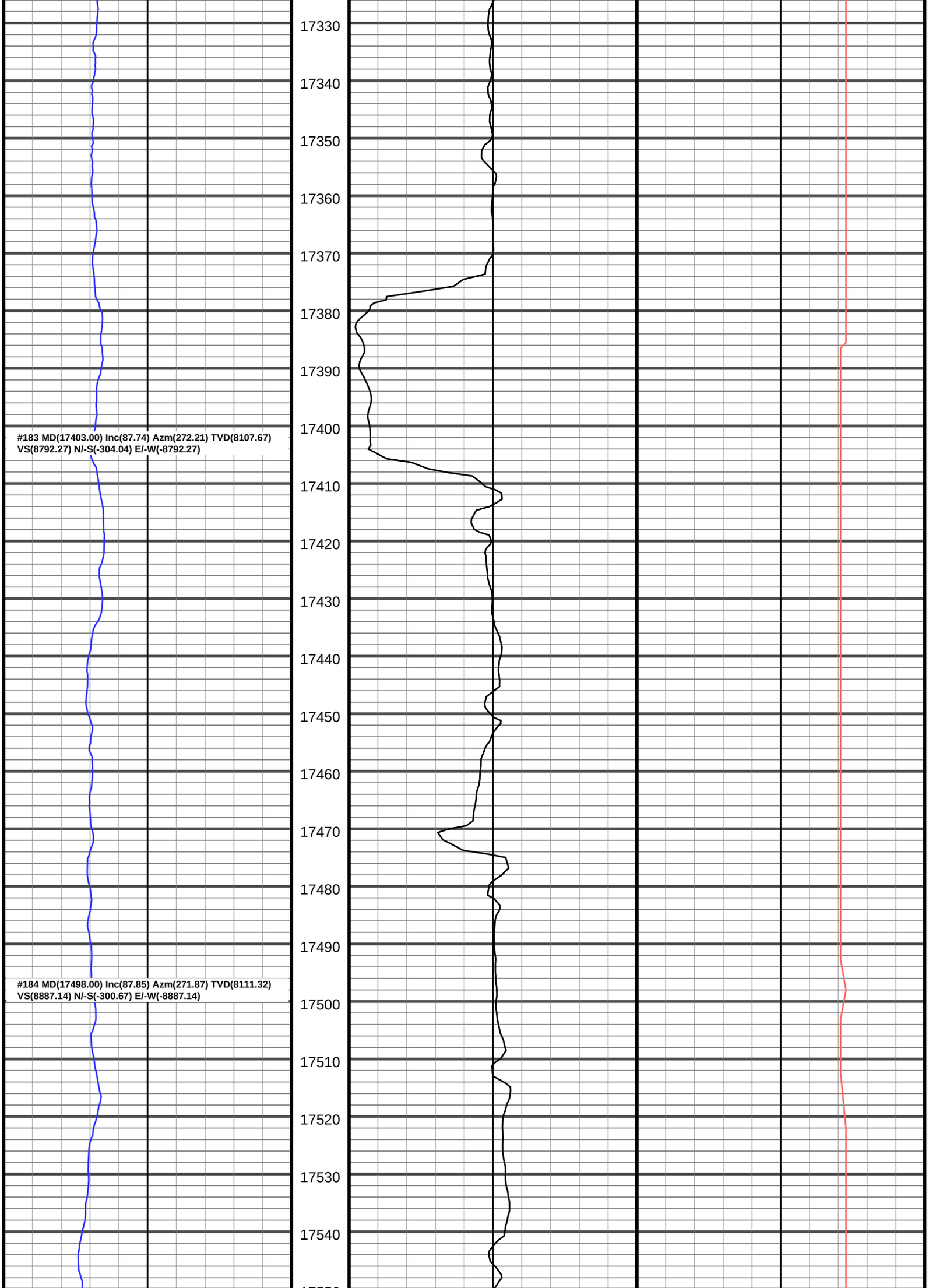
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VS(8792.27) N/-S(-304.04) E/-W(-8792.27)
#184 MD(17498.00) Inc(87.85) Azm(271.87) TVD(8111.32)
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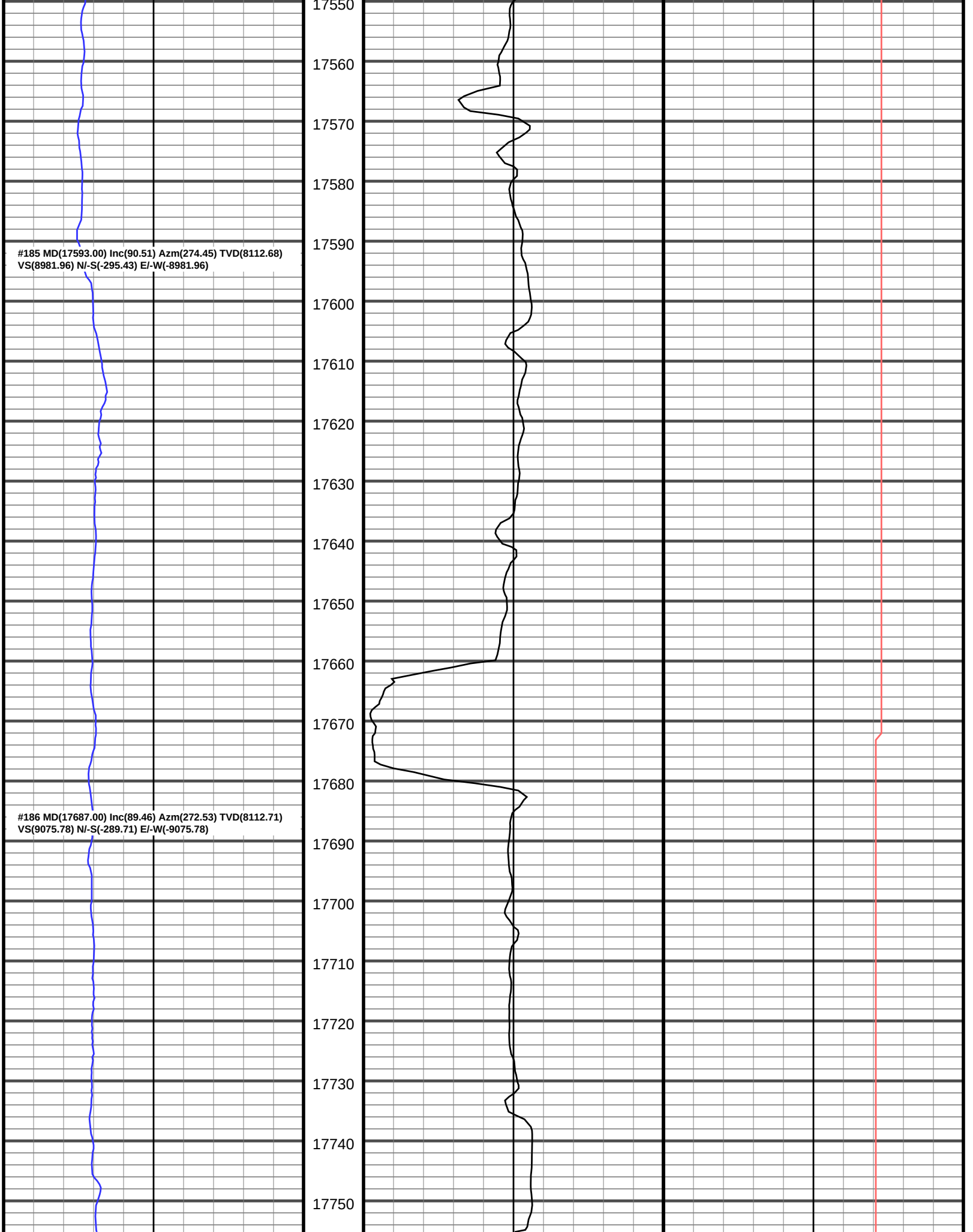
#185 MD(17593.00) Inc(90.51) Azm(274.45) TVD(8112.68)
VS(8981.96) N/-S(-295.43) E/-W(-8981.96)
#186 MD(17687.00) Inc(89.46) Azm(272.53) TVD(8112.71)
VS(9075.78) N/-S(-289.71) E/-W(-9075.78)
17550
17560
17570
17580
17590
17600
17610
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17640
17650
17660
17670
17680
17690
17700
17710
17720
17730
17740
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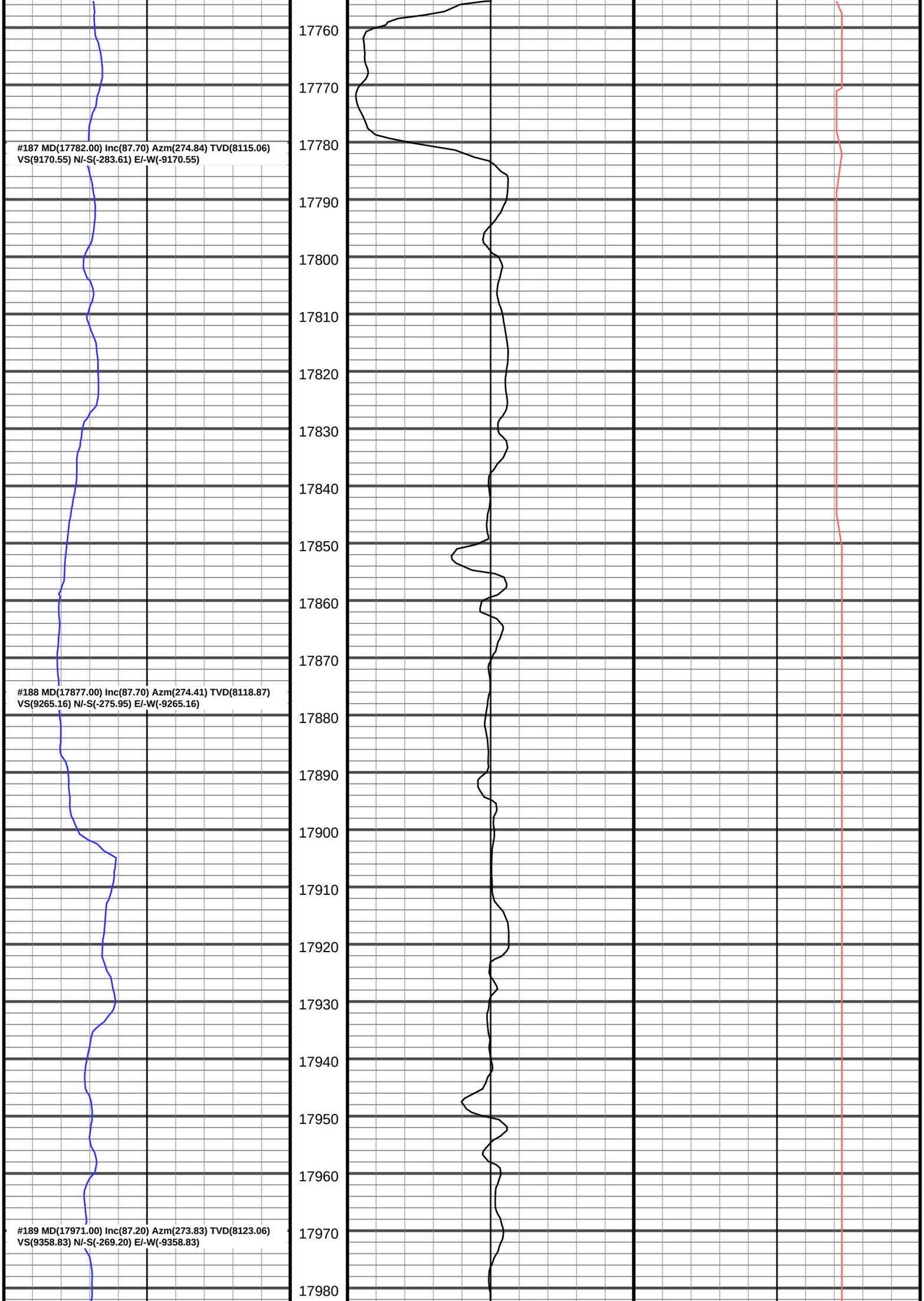
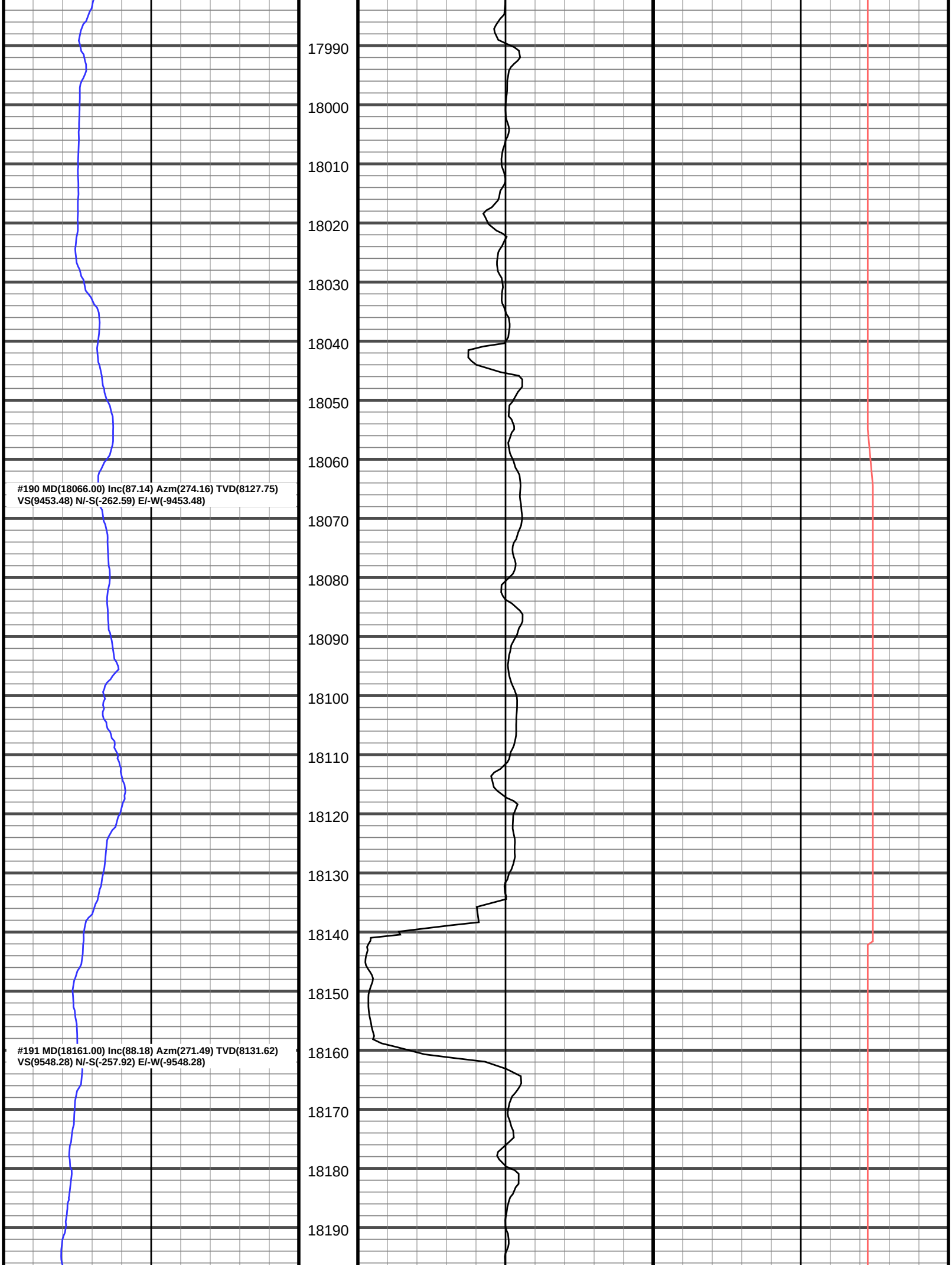
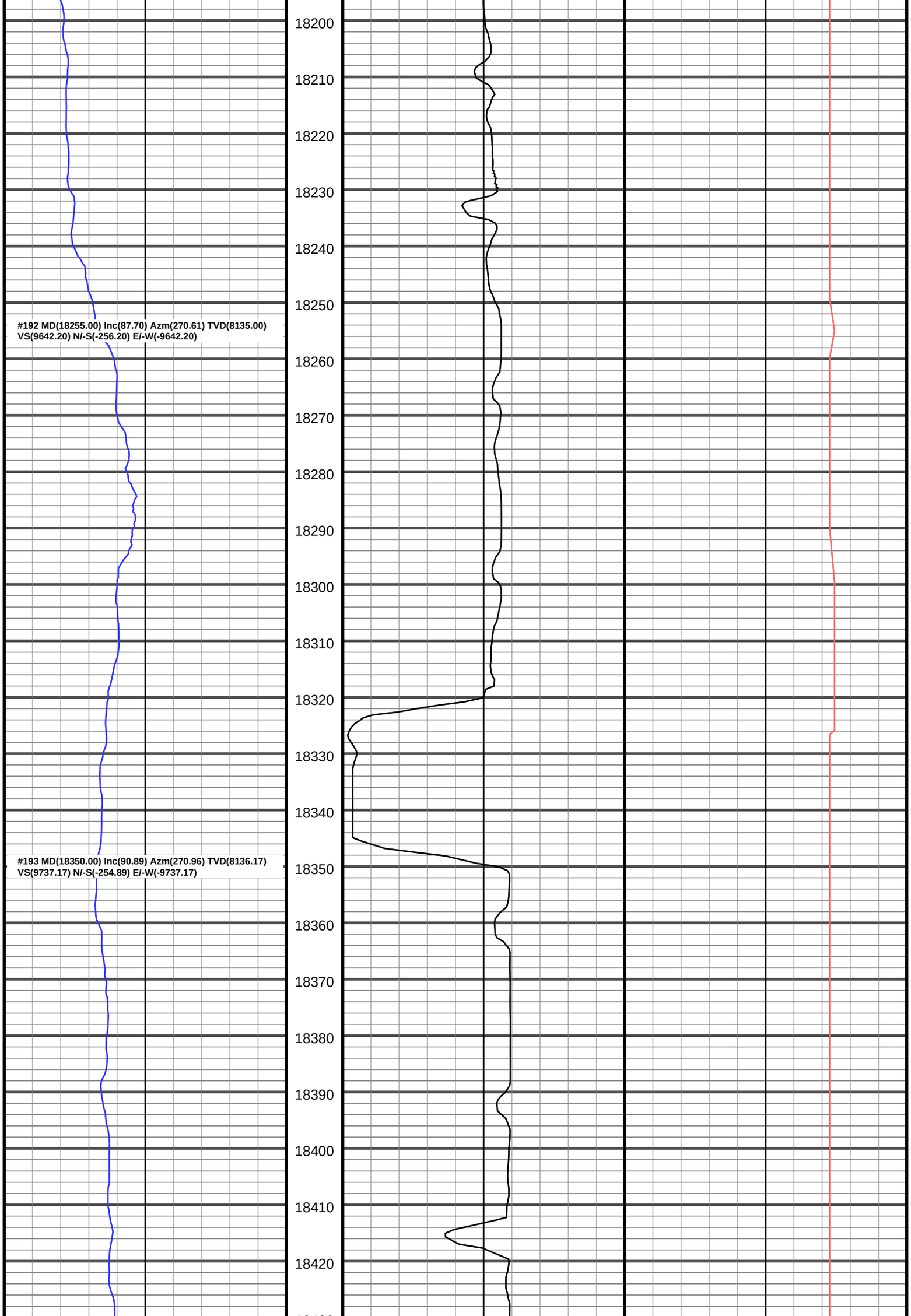

#187 MD(17782.00) Inc(87.70) Azm(274.84) TVD(8115.06)
VS(9170.55) N/-S(-283.61) E/-W(-9170.55)
#188 MD(17877.00) Inc(87.70) Azm(274.41) TVD(8118.87)
VS(9265.16) N/-S(-275.95) E/-W(-9265.16)
#189 MD(17971.00) Inc(87.20) Azm(273.83) TVD(8123.06)
VS(9358.83) N/-S(-269.20) E/-W(-9358.83)
17760
17770
17780
17790
17800
17810
17820
17830
17840
17850
17860
17870
17880
17890
17900
17910
17920
17930
17940
17950
17960
17970
17980


17990
18000
18010
18020
18030
18040
18050
18060
#190 MD(18066.00) Inc(87.14) Azm(274.16) TVD(8127.75)
VS(9453.48) N/-S(-262.59) E/-W(-9453.48)
18070
18080
18090
18100
18110
18120
18130
18140
18150
#191 MD(18161.00) Inc(88.18) Azm(271.49) TVD(8131.62)
VS(9548.28) N/-S(-257.92) E/-W(-9548.28)
18160
18170
18180
18190


#192 MD(18255.00) Inc(87.70) Azm(270.61) TVD(8135.00)
VS(9642.20) N/-S(-256.20) E/-W(-9642.20)
#193 MD(18350.00) Inc(90.89) Azm(270.96) TVD(8136.17)
VS(9737.17) N/-S(-254.89) E/-W(-9737.17)
18200
18210
18220
18230
18240
18250
18260
18270
18280
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18320
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18340
18350
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18380
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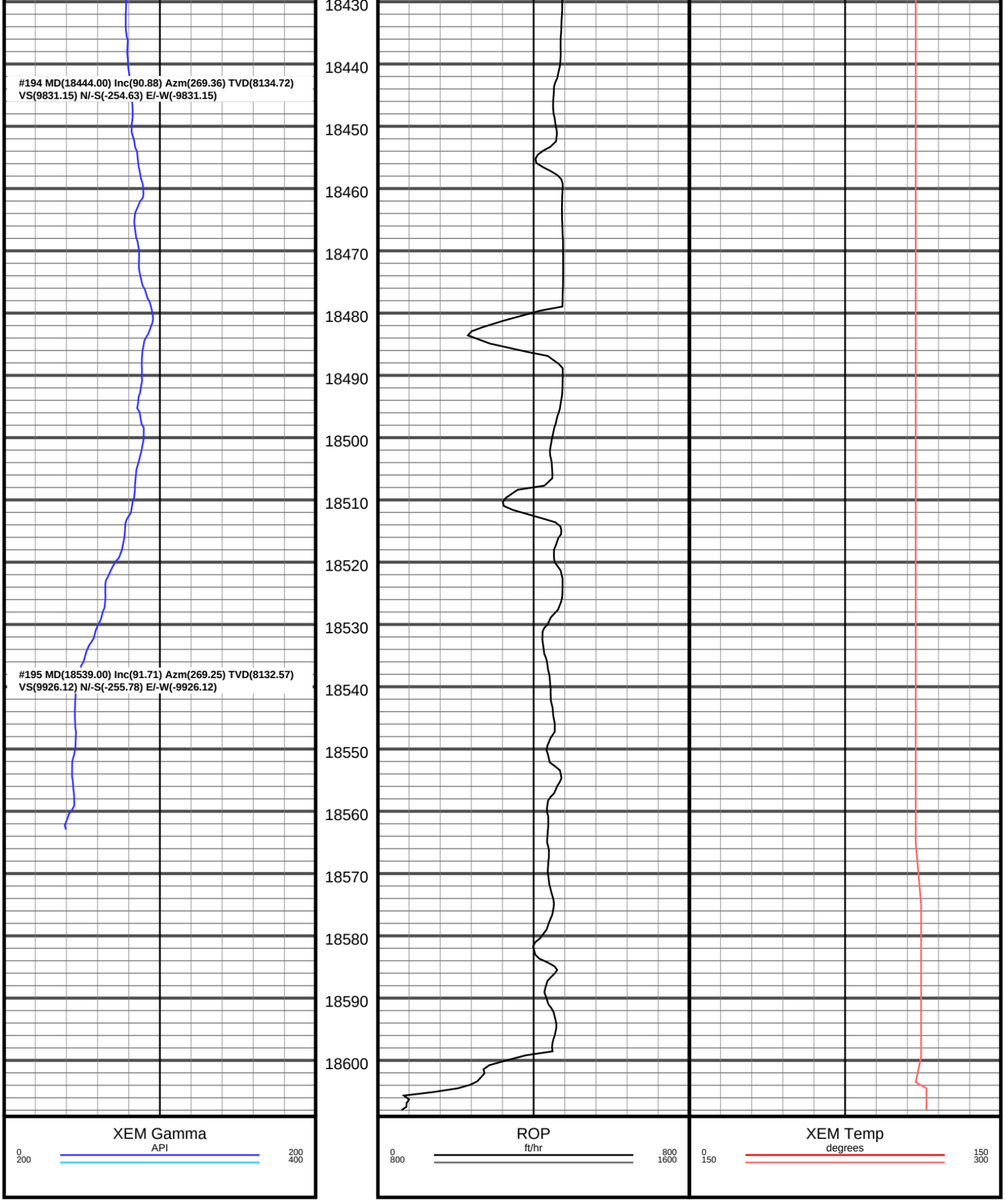
18410
18420


#194 MD(18444.00) Inc(90.88) Azm(269.36) TVD(8134.72)
VS(9831.15) N/-S(-254.63) E/-W(-9831.15)
#195 MD(18539.00) Inc(91.71) Azm(269.25) TVD(8132.57)
VS(9926.12) N/-S(-255.78) E/-W(-9926.12)
18430
18440
18450
18460
18470
18480
18490
18500
18510
18520
18530
18540
18550
18560
18570
18580
18590
18600
XEM Gamma
API
0
200
200
400
ROP
ft/hr
0
800
800
1600
XEM Temp
degrees
0
150
150
300