Shake-11-12HZ

MD
1":100'

Company: Occidental Petroleum Corp
Well Name: Shake 11-12HZ
API: 051235140000
County/Parish: Weld
State/Prov: Colorado
Country: US
Job #: RM-210611

Company:	Occidental Petroleum Corp
Well Name:	Shake 11-12HZ
API:	051235140000
County/Parish:	Weld
State or Prov:	Colorado
Country:	US
Job number:	RM-210611
Field:	DJ Basin
Rig Identification:	PD 461
Survey Company:	Total Directional
Company Man	Joe Wallem / Jason Laub
Company Man	Jeremy Wilde / Steve Martinez
DD Days	Dustin Davis
DD Nights	Dustin Smith
MWD Days	Michael Christopher
MWD Nights	Andrew Stewart
VSD	269.65

Log measurements: Gamma
Depth measured from: 5013 ft
Maximum temperature: 250

	Depth	Date
Start:	1,908 ft	08-22-2021
End:	17,419 ft	08-25-2021

Casing	Depth	Size
Surface:	1898 ft	9 5/8"
Intermediate:		

Mud type: OBM
Density: 9.1
Viscosity: 63
Rm: **Rmf:** **Rmc:**

Elevations	
KB:	5013
DF:	20
GL:	4993

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	7.875"	38.00 ft	58.00 ft	1908 ft	7155 ft	08-22-2021	08-22-2021
2	7.875"	42.00 ft	62.00 ft	7155 ft	7271 ft	08-23-2021	08-23-2021
3	7.875"	38.00 ft	58.00 ft	7271 ft	17419 ft	08-23-2021	08-25-2021
4							
5							
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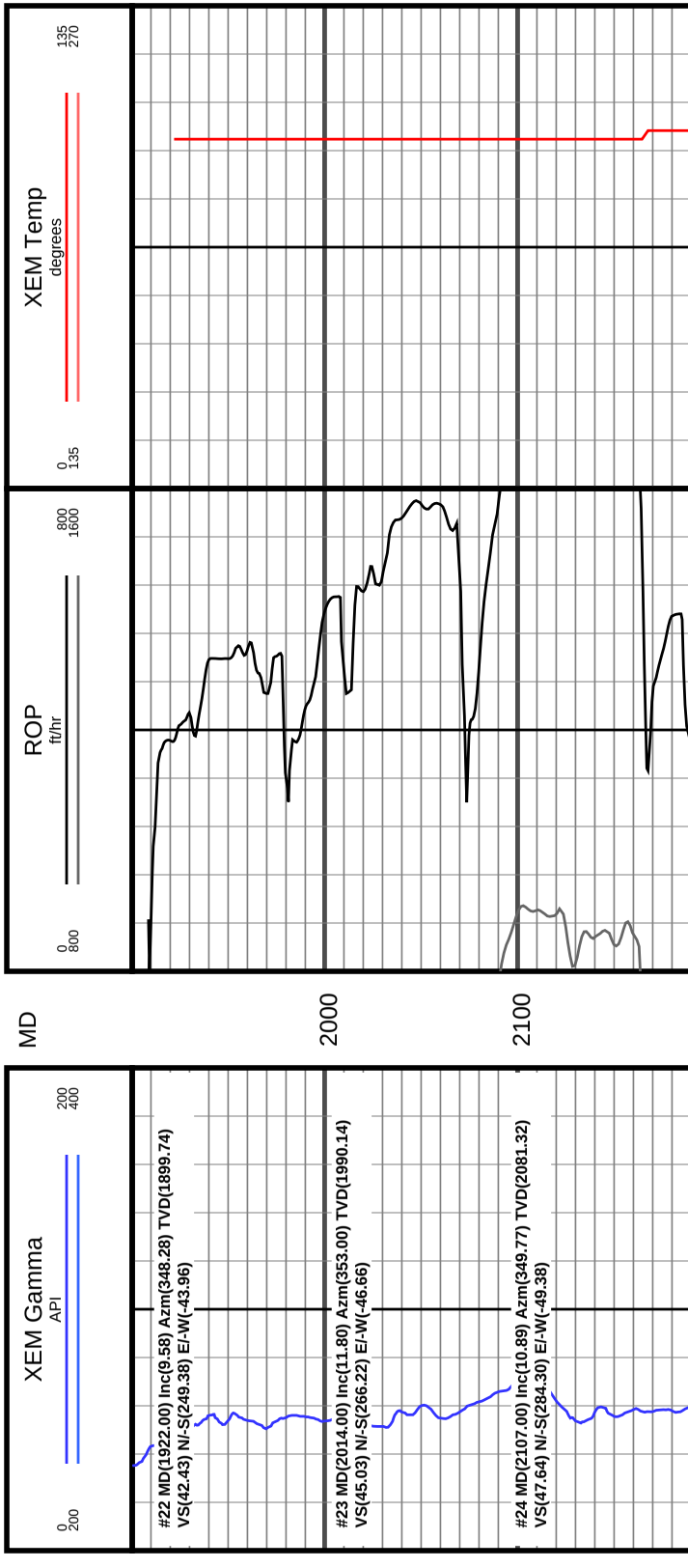
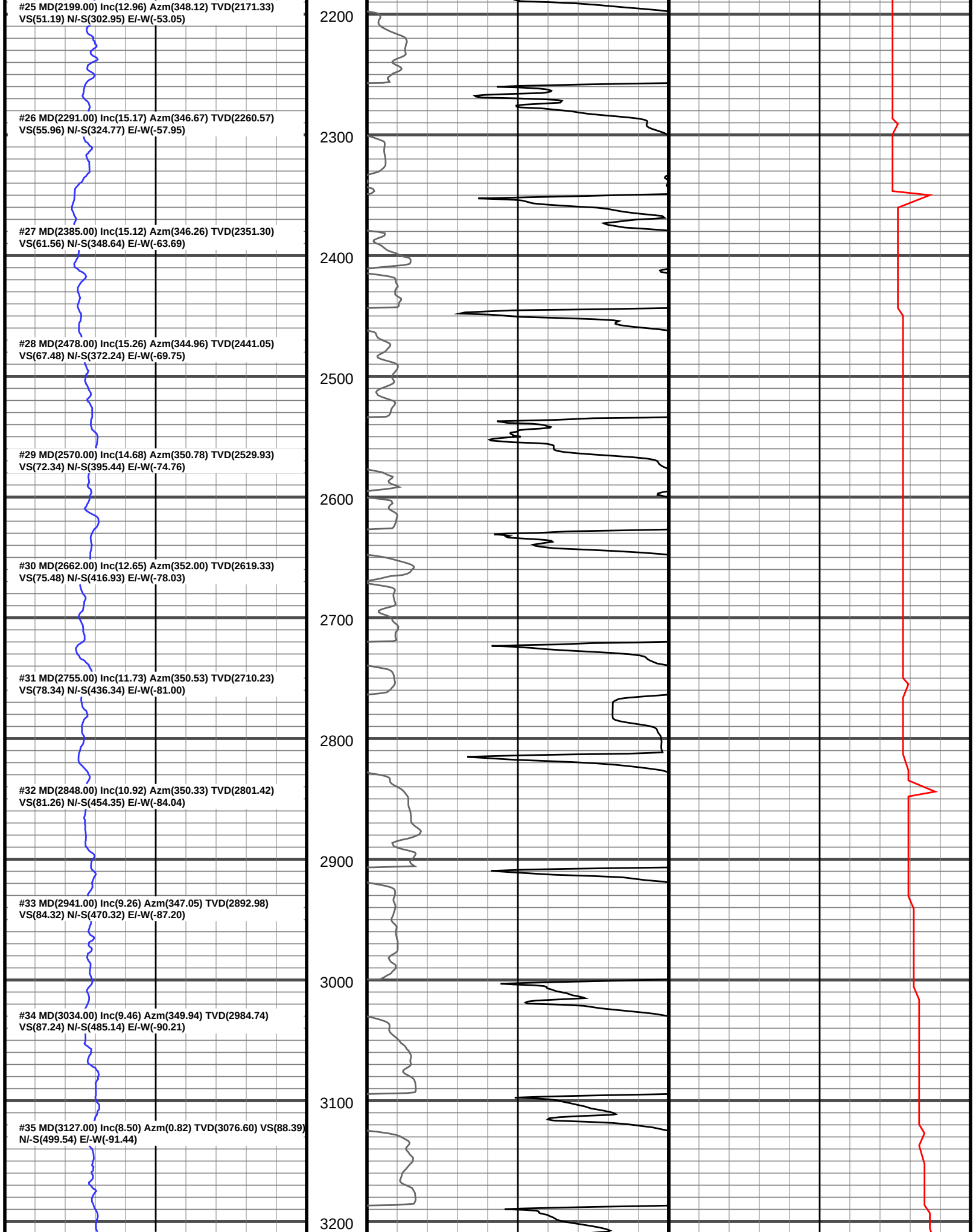
9							
10							

API# 05-1235-1400-00 WELL: Shake 11-12HZ Type of Log: Gamma Logging started at 06:30 on 08/22/2021
Ending at 13:09 on 08/25/2021 Depth Relative to Rig Floor at 5013 Ft Elevation
Logging Company: Total Directional Top of log: 1,908' Bottom of Log: 17,419'

Total Directional 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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#28 MD(2478.00) Inc(15.26) Azm(344.96) TVD(2441.05)
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#29 MD(2570.00) Inc(14.68) Azm(350.78) TVD(2529.93)
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#34 MD(3034.00) Inc(9.46) Azm(349.94) TVD(2984.74)
VS(87.24) N/-S(485.14) E/-W(-90.21)
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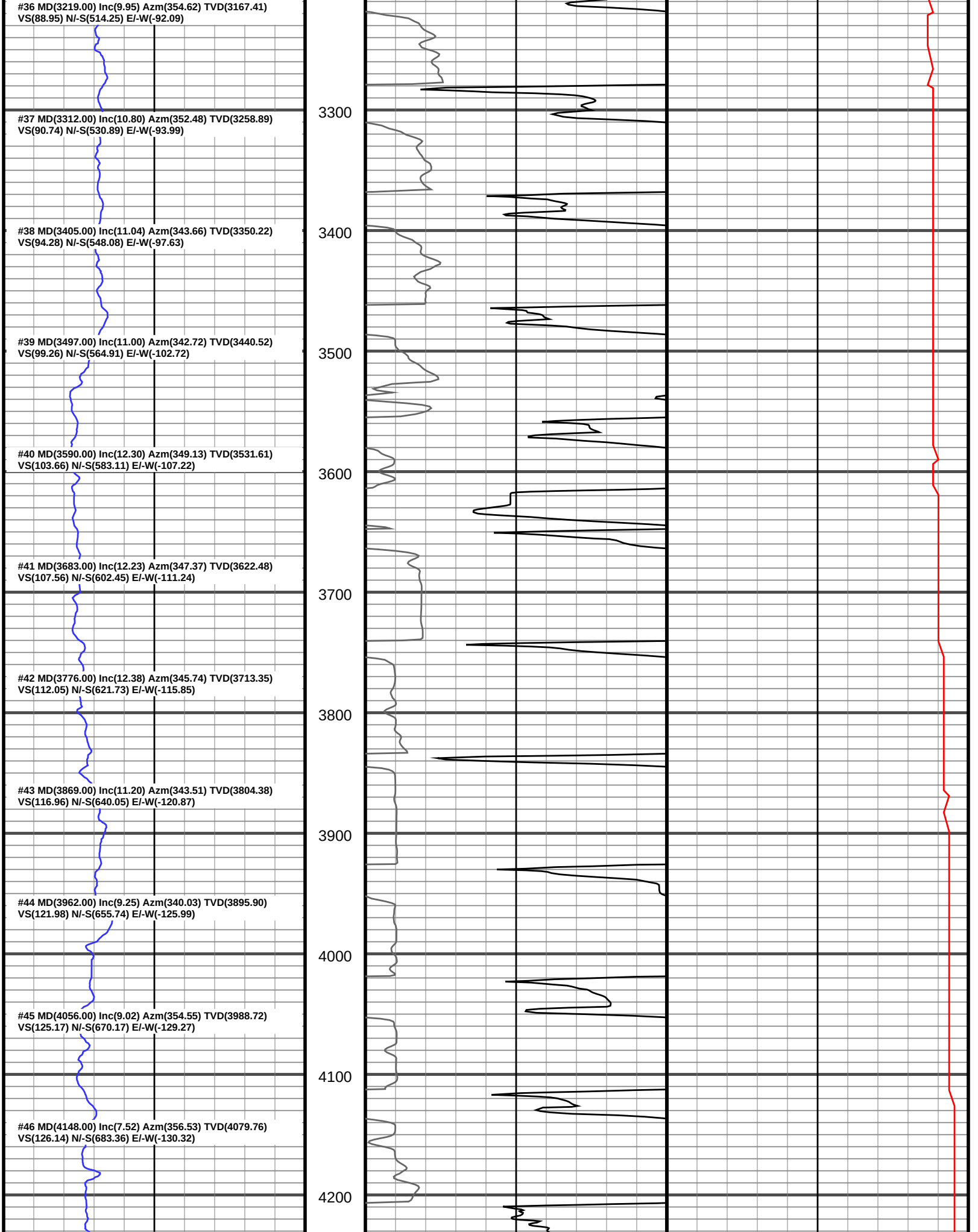
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#38 MD(3405.00) Inc(11.04) Azm(343.66) TVD(3350.22)
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#39 MD(3497.00) Inc(11.00) Azm(342.72) TVD(3440.52)
VS(99.26) N/-S(564.91) E/-W(-102.72)
#40 MD(3590.00) Inc(12.30) Azm(349.13) TVD(3531.61)
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#41 MD(3683.00) Inc(12.23) Azm(347.37) TVD(3622.48)
VS(107.56) N/-S(602.45) E/-W(-111.24)
#42 MD(3776.00) Inc(12.38) Azm(345.74) TVD(3713.35)
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#43 MD(3869.00) Inc(11.20) Azm(343.51) TVD(3804.38)
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#45 MD(4056.00) Inc(9.02) Azm(354.55) TVD(3988.72)
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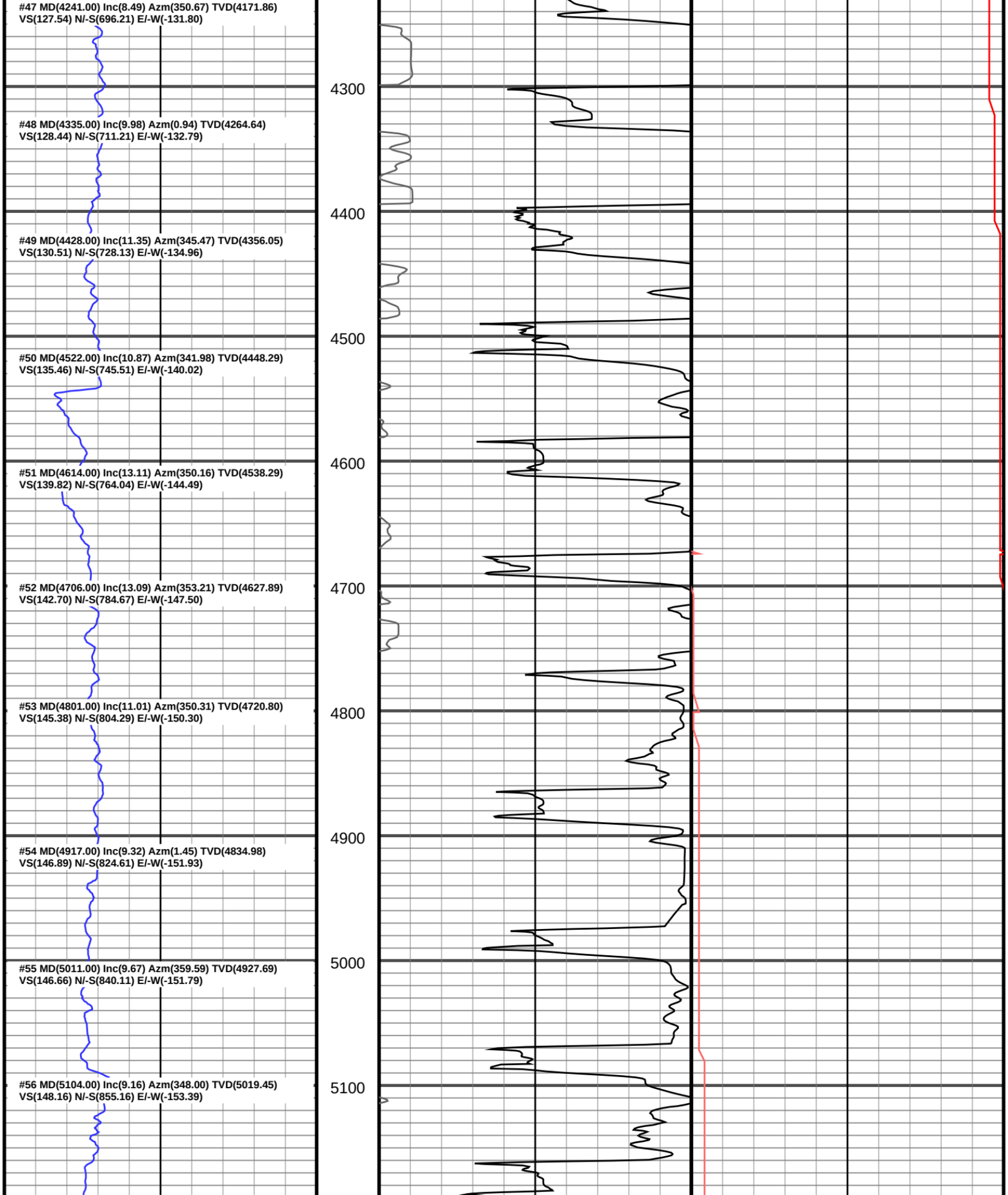
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VS(139.82) N/-S(764.04) E/-W(-144.49)
#52 MD(4706.00) Inc(13.09) Azm(353.21) TVD(4627.89)
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#53 MD(4801.00) Inc(11.01) Azm(350.31) TVD(4720.80)
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#56 MD(5104.00) Inc(9.16) Azm(348.00) TVD(5019.45)
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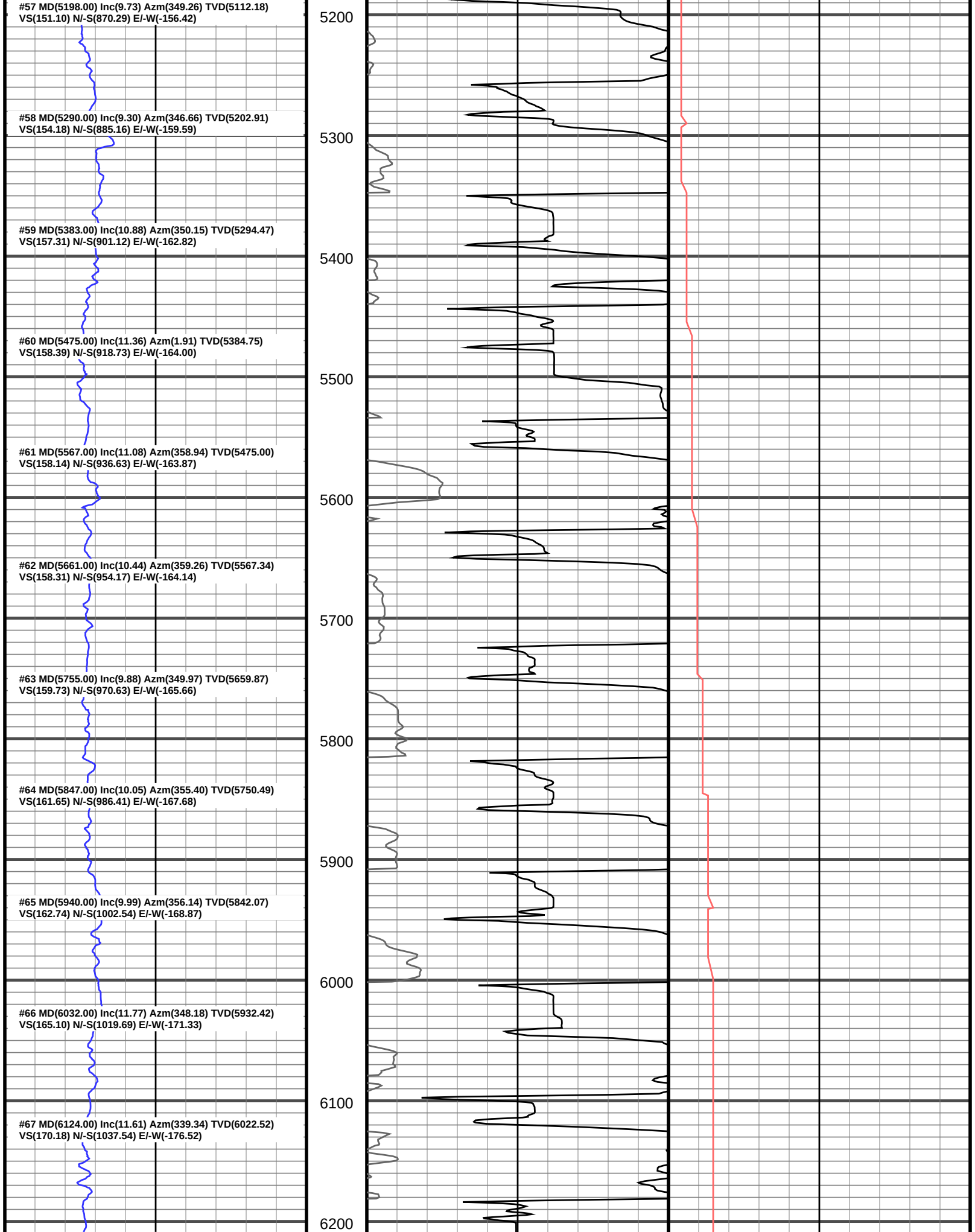
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VS(158.31) N/-S(954.17) E/-W(-164.14)
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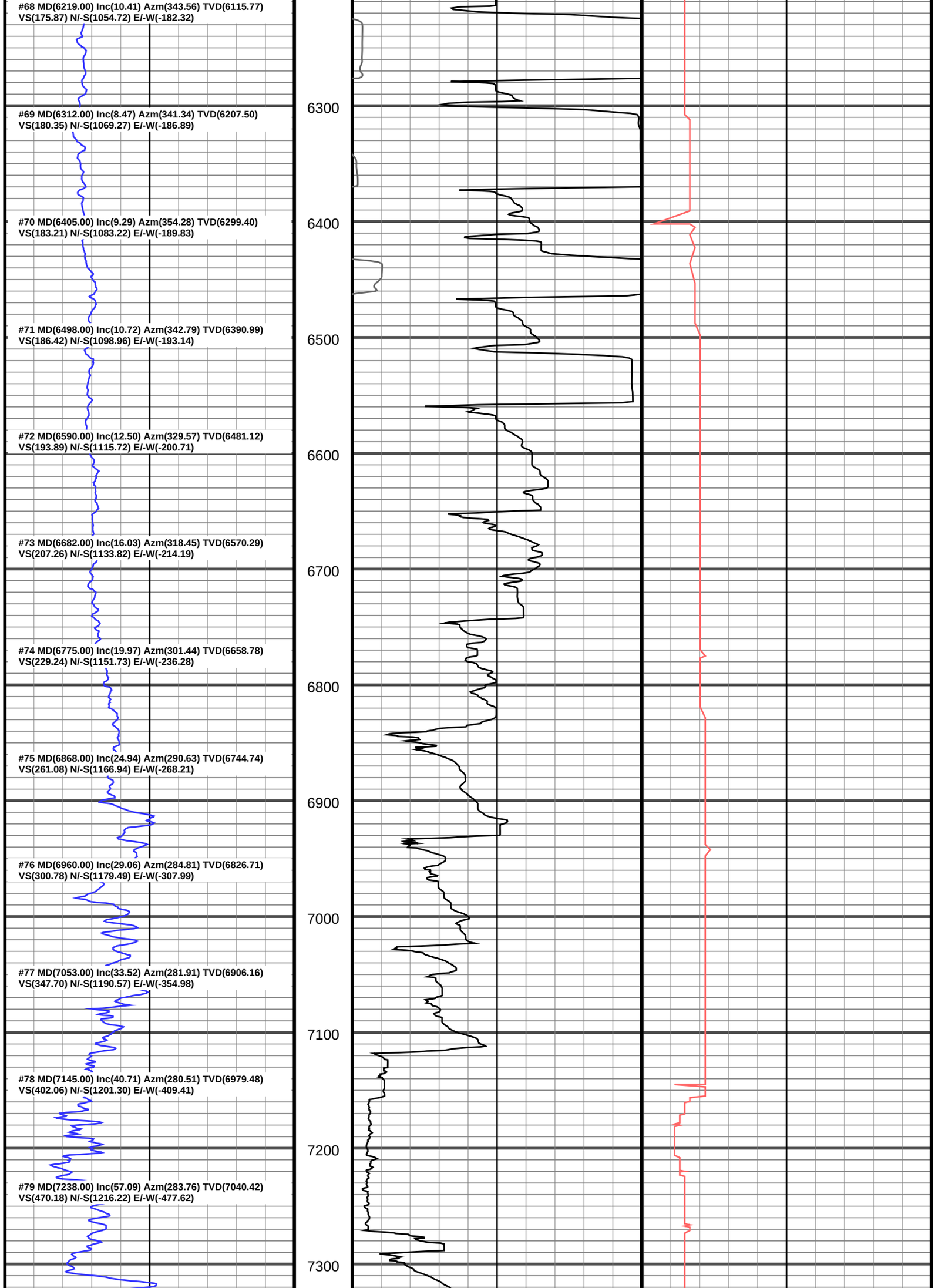
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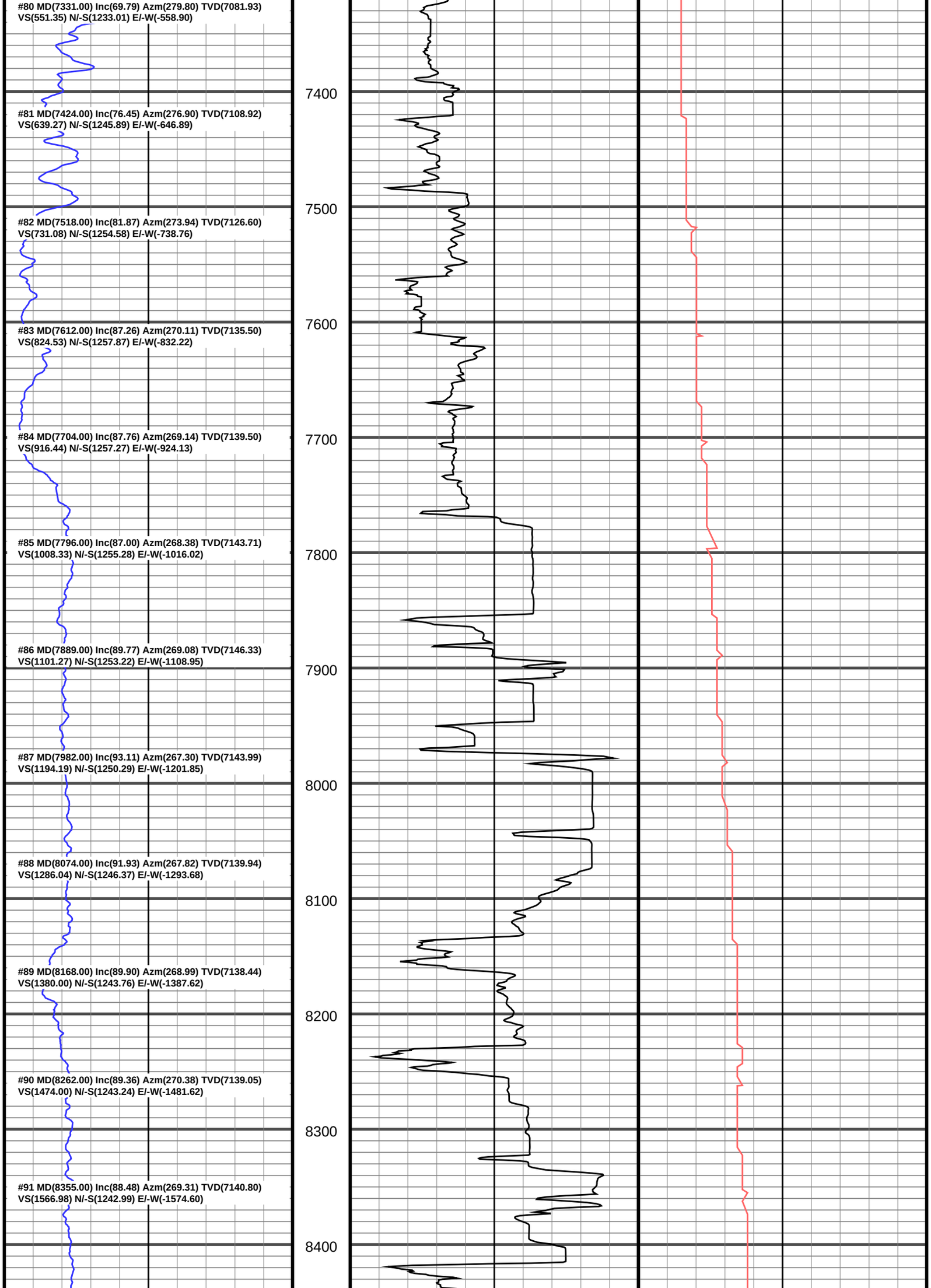
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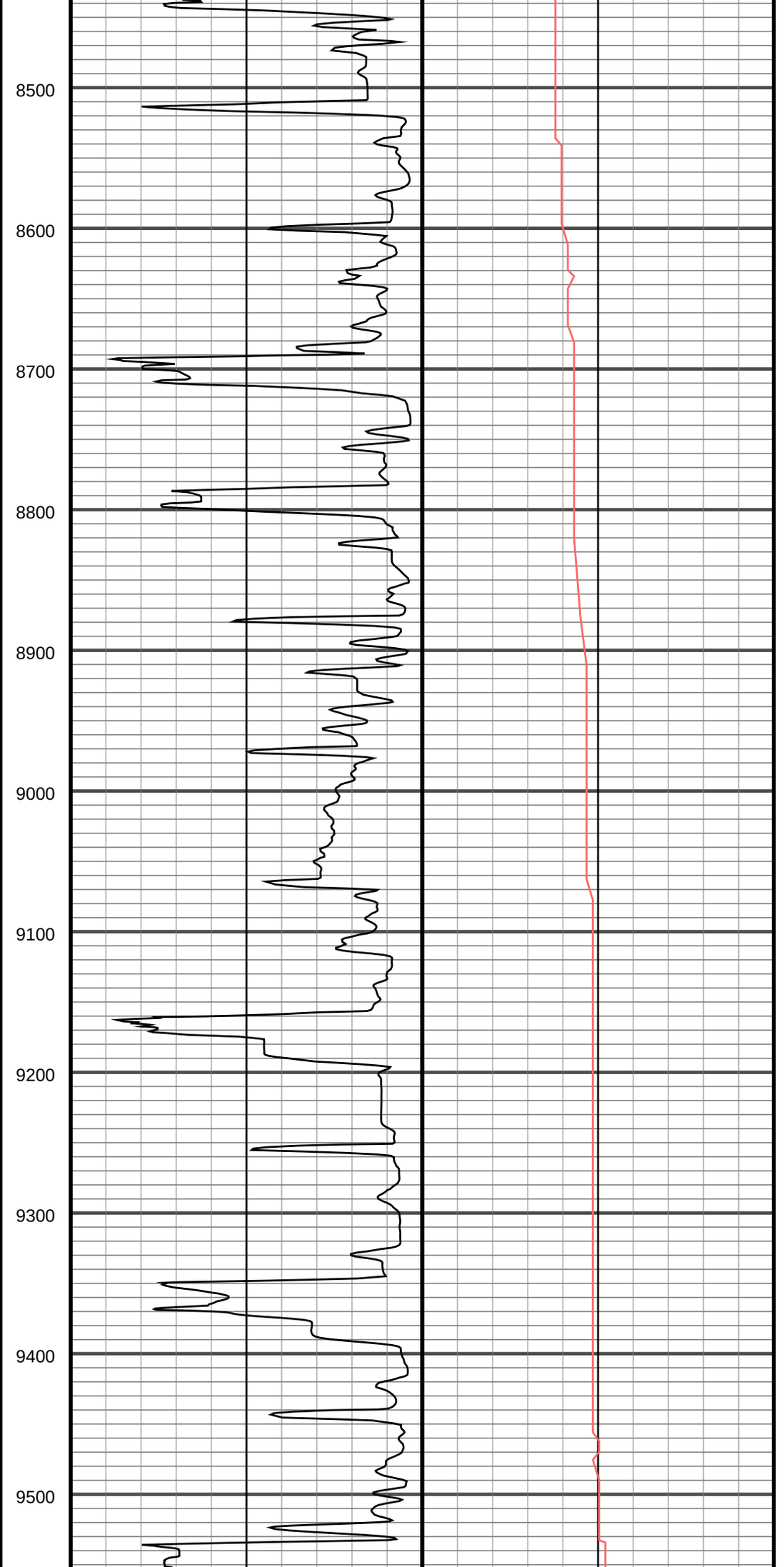

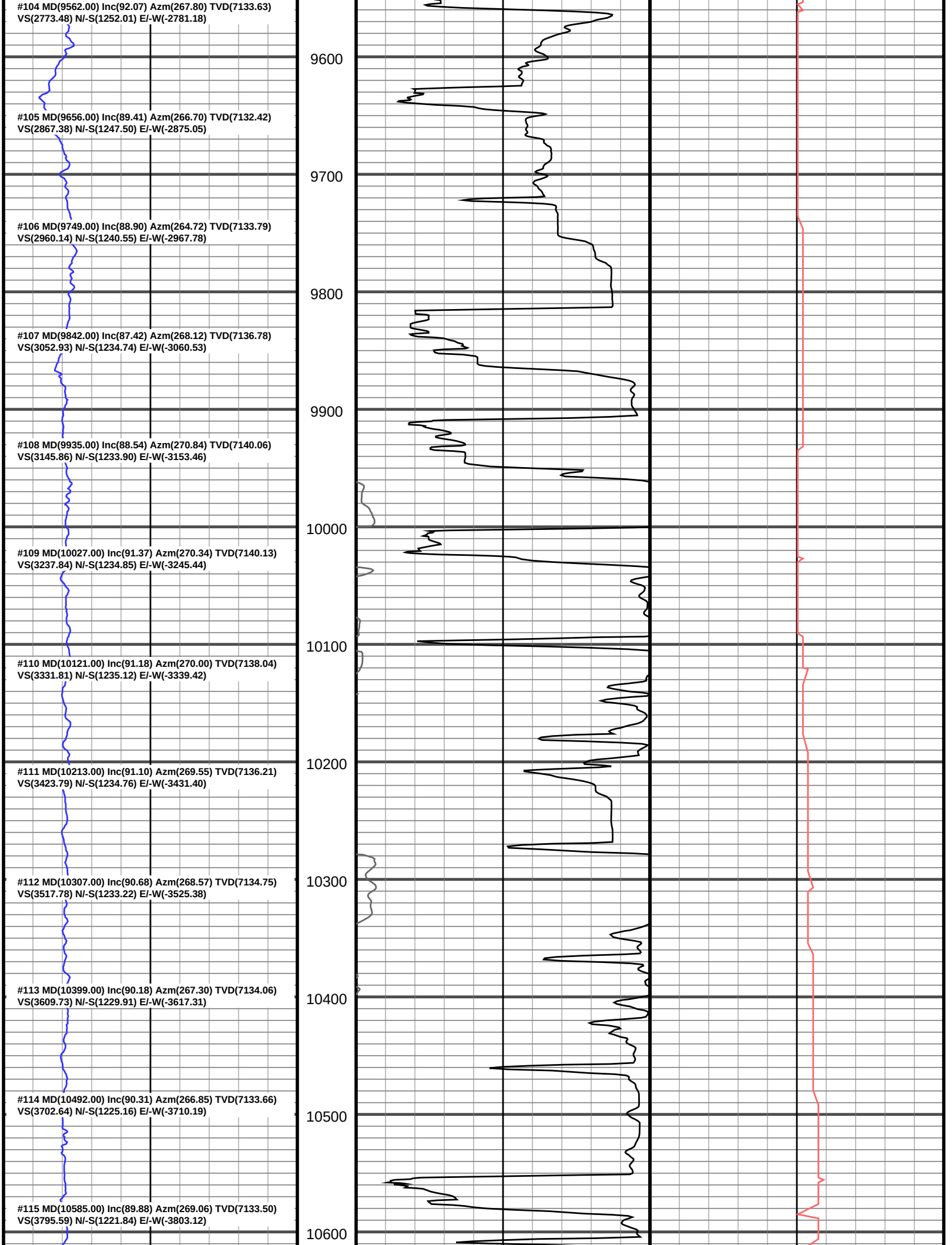
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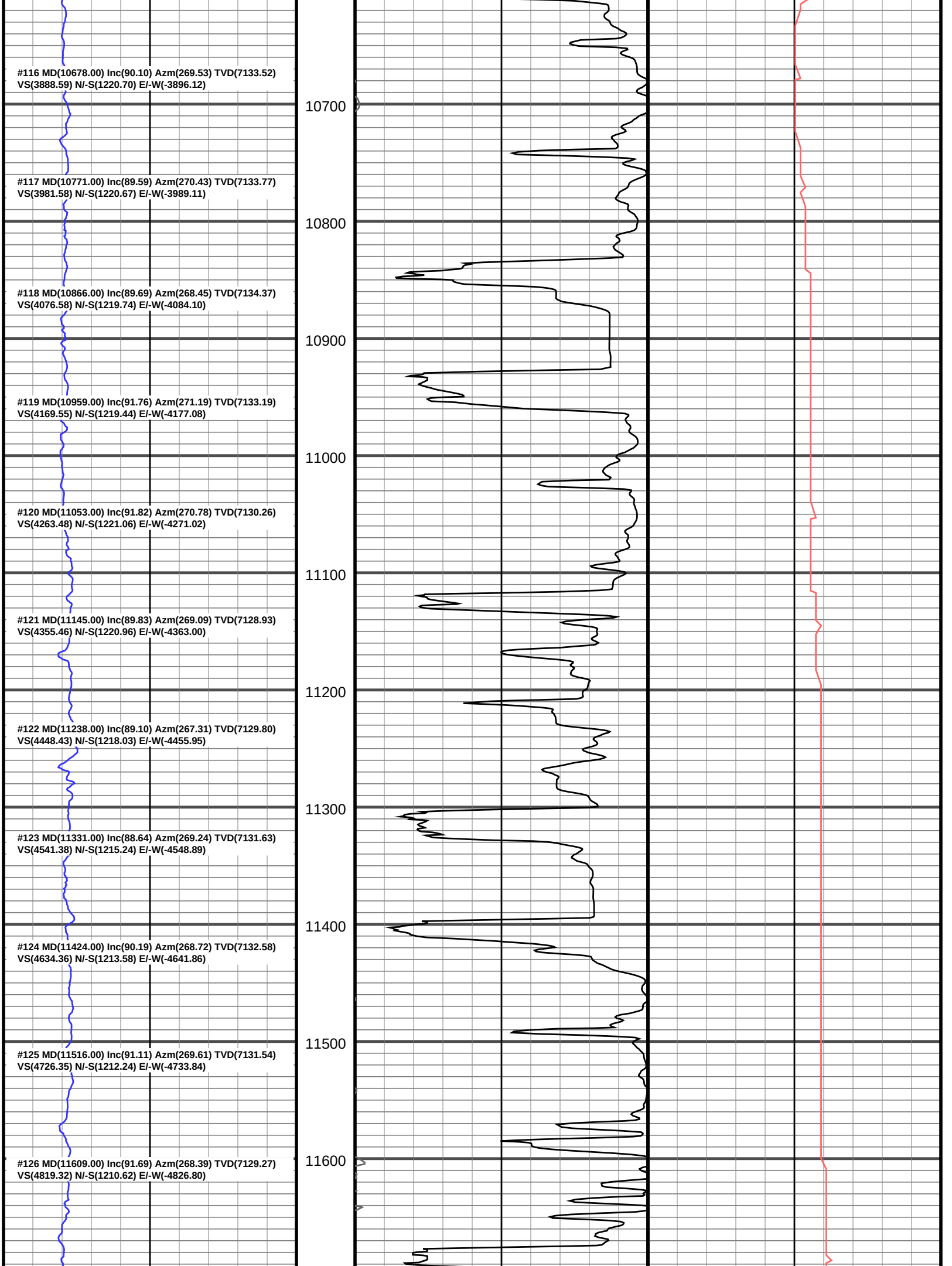
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#122 MD(11238.00) Inc(89.10) Azm(267.31) TVD(7129.80)
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#124 MD(11424.00) Inc(90.19) Azm(268.72) TVD(7132.58)
VS(4634.36) N/-S(1213.58) E/-W(-4641.86)
#125 MD(11516.00) Inc(91.11) Azm(269.61) TVD(7131.54)
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#126 MD(11609.00) Inc(91.69) Azm(268.39) TVD(7129.27)
VS(4819.32) N/-S(1210.62) E/-W(-4826.80)
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#127 MD(11702.00) Inc(89.93) Azm(270.71) TVD(7127.95)
VS(4912.30) N/-S(1209.89) E/-W(-4919.78)

#128 MD(11795.00) Inc(89.48) Azm(270.19) TVD(7128.43)
VS(5005.28) N/-S(1210.62) E/-W(-5012.77)

#129 MD(11887.00) Inc(88.99) Azm(269.49) TVD(7129.66)
VS(5097.28) N/-S(1210.36) E/-W(-5104.76)

#130 MD(11980.00) Inc(89.85) Azm(271.44) TVD(7130.60)
VS(5190.26) N/-S(1211.12) E/-W(-5197.75)

#131 MD(12072.00) Inc(89.79) Azm(271.95) TVD(7130.89)
VS(5282.20) N/-S(1213.84) E/-W(-5289.71)

#132 MD(12166.00) Inc(89.68) Azm(270.86) TVD(7131.33)
VS(5376.15) N/-S(1216.14) E/-W(-5383.68)

#133 MD(12259.00) Inc(89.88) Azm(270.23) TVD(7131.68)
VS(5469.14) N/-S(1217.03) E/-W(-5476.67)

#134 MD(12353.00) Inc(89.61) Azm(270.06) TVD(7132.10)
VS(5563.13) N/-S(1217.26) E/-W(-5570.67)

#135 MD(12447.00) Inc(89.64) Azm(270.45) TVD(7132.72)
VS(5657.13) N/-S(1217.68) E/-W(-5664.67)

#136 MD(12540.00) Inc(89.40) Azm(268.62) TVD(7133.50)
VS(5750.12) N/-S(1216.93) E/-W(-5757.66)

#137 MD(12633.00) Inc(90.33) Azm(268.64) TVD(7133.71)
VS(5843.10) N/-S(1214.70) E/-W(-5850.63)

#138 MD(12725.00) Inc(90.68) Azm(269.35) TVD(7132.90)
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#139 MD(12818.00) Inc(90.96) Azm(267.73) TVD(7131.57)
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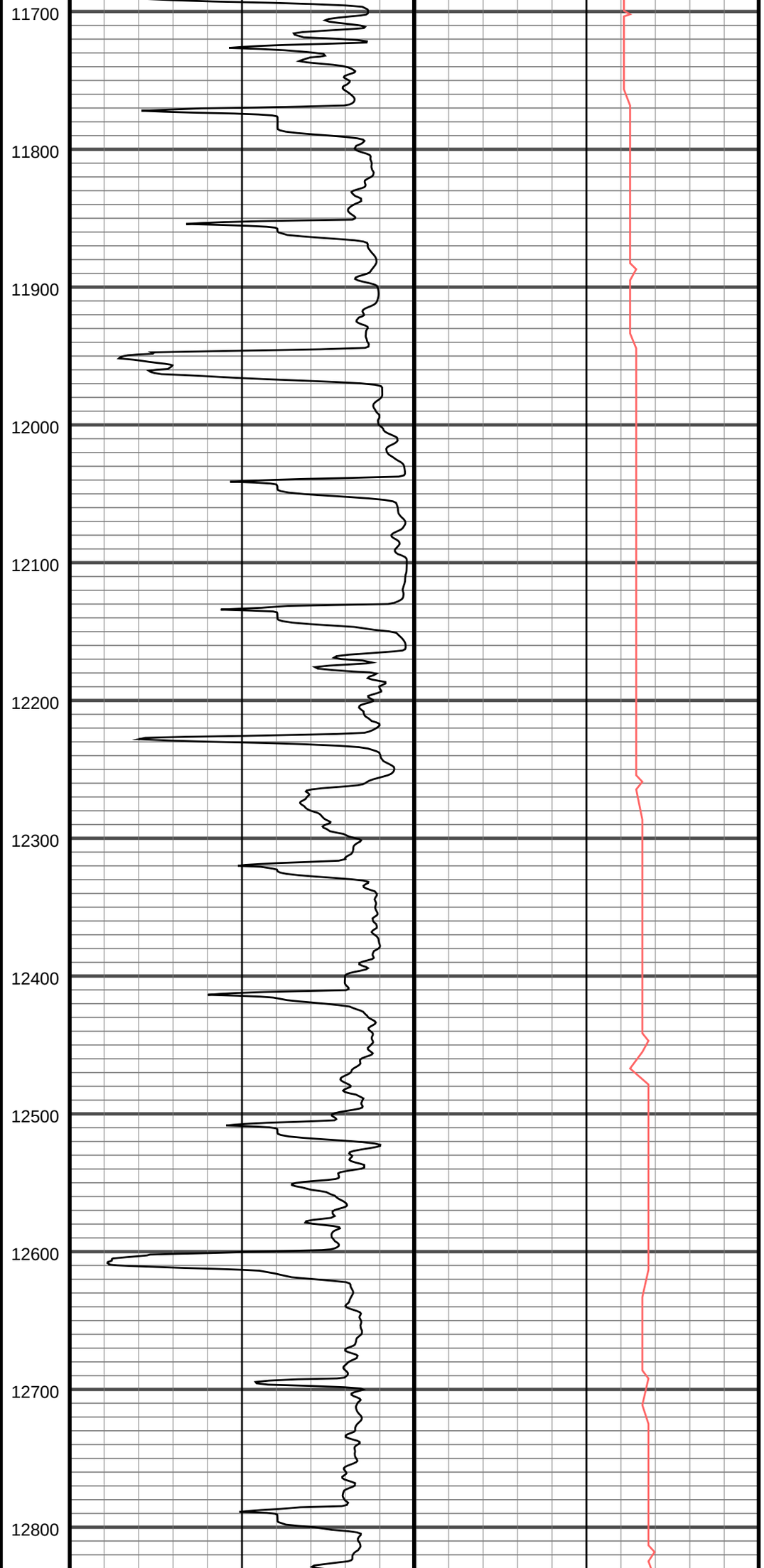

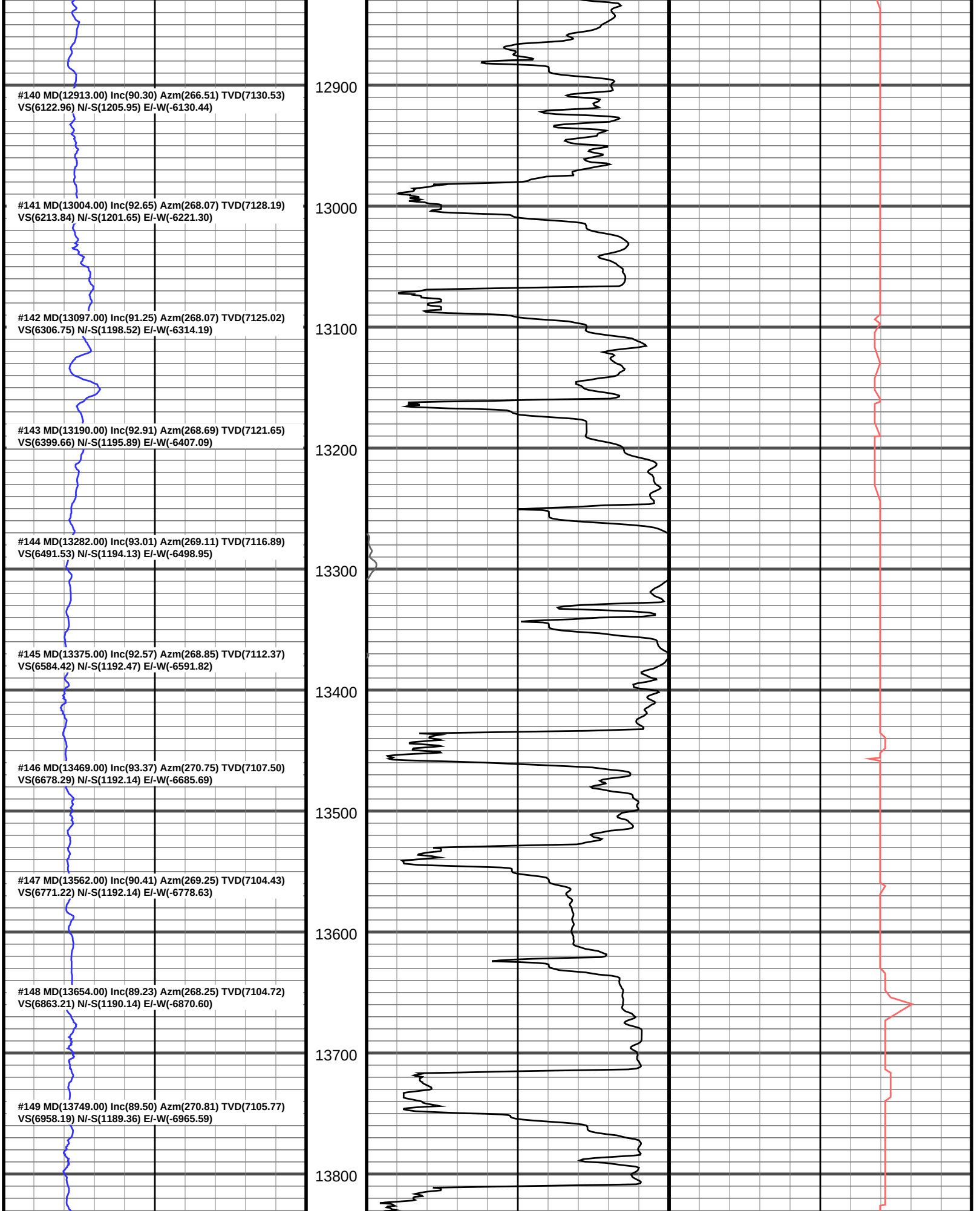
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VS(6213.84) N/-S(1201.65) E/-W(-6221.30)
#142 MD(13097.00) Inc(91.25) Azm(268.07) TVD(7125.02)
VS(6306.75) N/-S(1198.52) E/-W(-6314.19)
#143 MD(13190.00) Inc(92.91) Azm(268.69) TVD(7121.65)
VS(6399.66) N/-S(1195.89) E/-W(-6407.09)
#144 MD(13282.00) Inc(93.01) Azm(269.11) TVD(7116.89)
VS(6491.53) N/-S(1194.13) E/-W(-6498.95)
#145 MD(13375.00) Inc(92.57) Azm(268.85) TVD(7112.37)
VS(6584.42) N/-S(1192.47) E/-W(-6591.82)
#146 MD(13469.00) Inc(93.37) Azm(270.75) TVD(7107.50)
VS(6678.29) N/-S(1192.14) E/-W(-6685.69)
#147 MD(13562.00) Inc(90.41) Azm(269.25) TVD(7104.43)
VS(6771.22) N/-S(1192.14) E/-W(-6778.63)
#148 MD(13654.00) Inc(89.23) Azm(268.25) TVD(7104.72)
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#149 MD(13749.00) Inc(89.50) Azm(270.81) TVD(7105.77)
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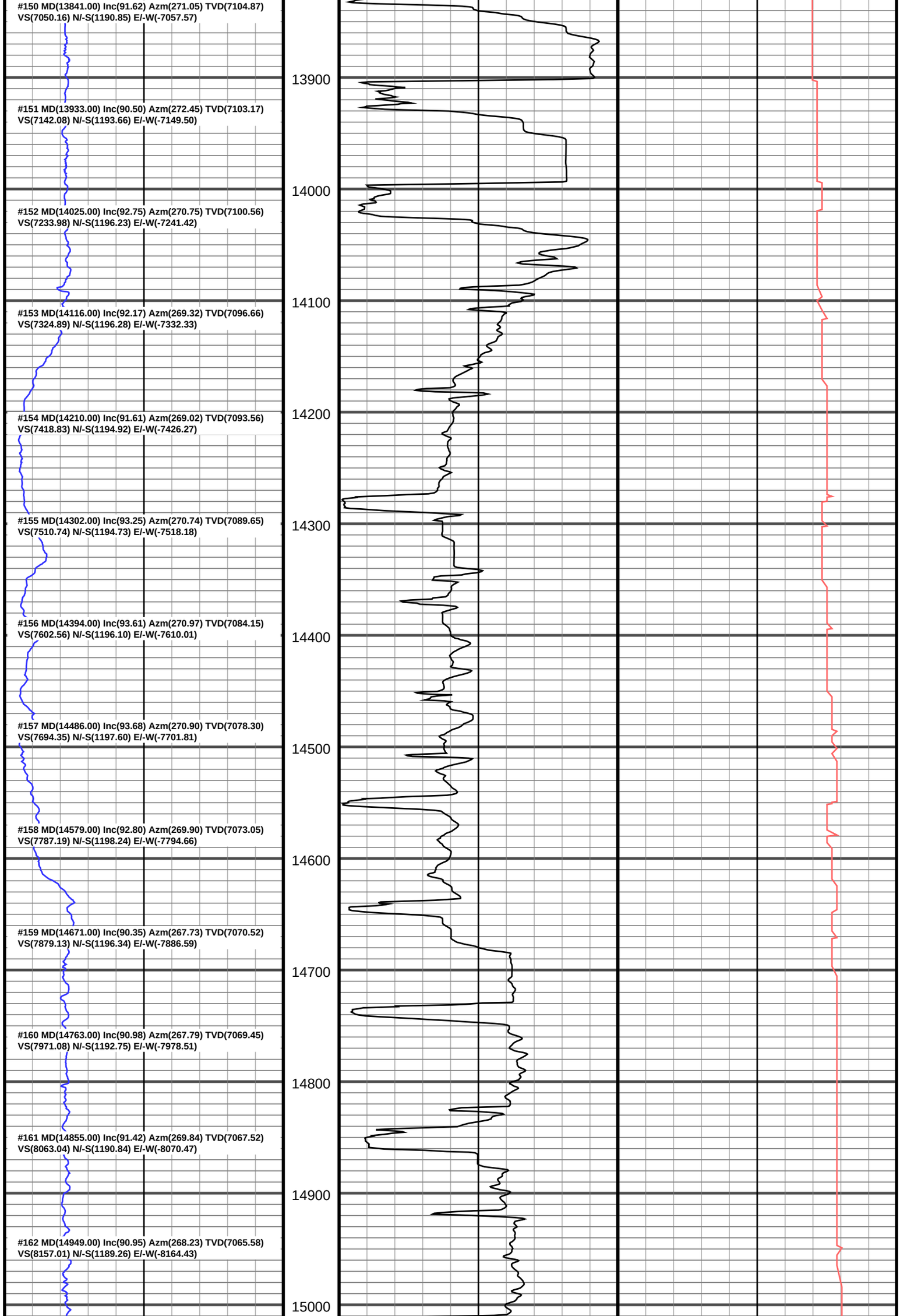
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#152 MD(14025.00) Inc(92.75) Azm(270.75) TVD(7100.56)
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#153 MD(14116.00) Inc(92.17) Azm(269.32) TVD(7096.66)
VS(7324.89) N/-S(1196.28) E/-W(-7332.33)
#154 MD(14210.00) Inc(91.61) Azm(269.02) TVD(7093.56)
VS(7418.83) N/-S(1194.92) E/-W(-7426.27)
#155 MD(14302.00) Inc(93.25) Azm(270.74) TVD(7089.65)
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#157 MD(14486.00) Inc(93.68) Azm(270.90) TVD(7078.30)
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#159 MD(14671.00) Inc(90.35) Azm(267.73) TVD(7070.52)
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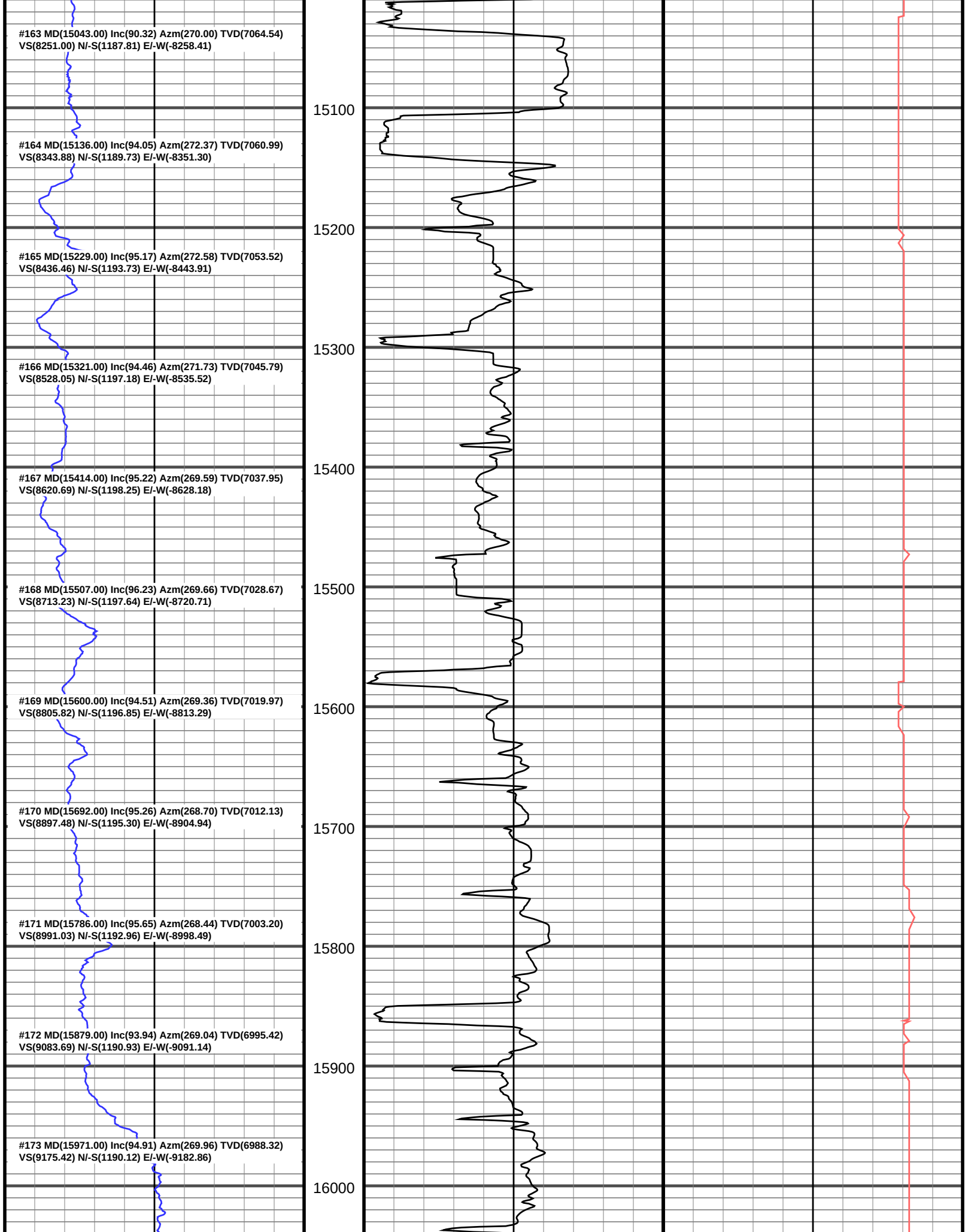
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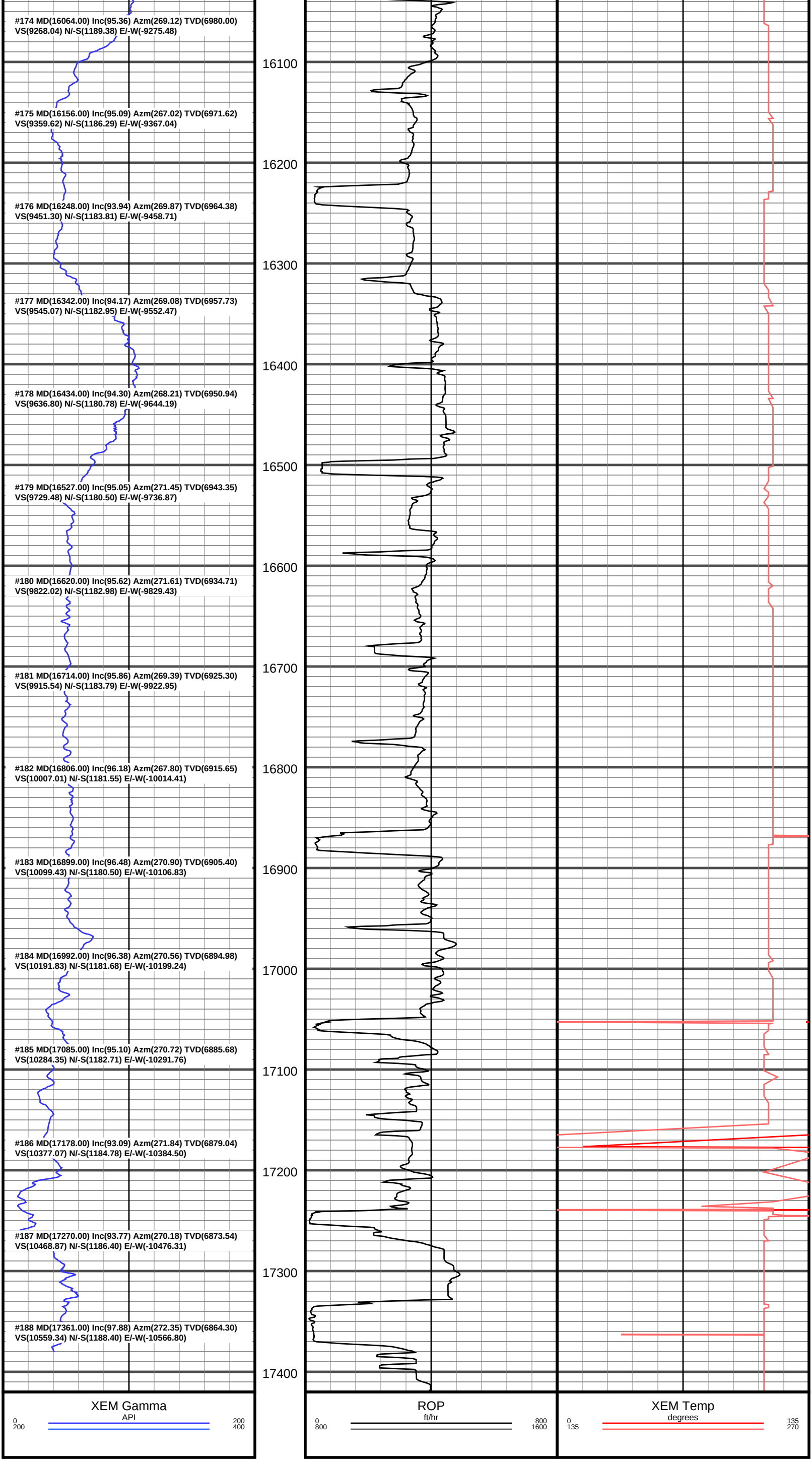
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#176 MD(16248.00) Inc(93.94) Azm(269.87) TVD(6964.38) VS(9451.30) N/-S(1183.81) E/-W(-9458.71)
#177 MD(16342.00) Inc(94.17) Azm(269.08) TVD(6957.73) VS(9545.07) N/-S(1182.95) E/-W(-9552.47)
#178 MD(16434.00) Inc(94.30) Azm(268.21) TVD(6950.94) VS(9636.80) N/-S(1180.78) E/-W(-9644.19)
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#181 MD(16714.00) Inc(95.86) Azm(269.39) TVD(6925.30) VS(9915.54) N/-S(1183.79) E/-W(-9922.95)
#182 MD(16806.00) Inc(96.18) Azm(267.80) TVD(6915.65) VS(10007.01) N/-S(1181.55) E/-W(-10014.41)
#183 MD(16899.00) Inc(96.48) Azm(270.90) TVD(6905.40) VS(10099.43) N/-S(1180.50) E/-W(-10106.83)
#184 MD(16992.00) Inc(96.38) Azm(270.56) TVD(6894.98) VS(10191.83) N/-S(1181.68) E/-W(-10199.24)
#185 MD(17085.00) Inc(95.10) Azm(270.72) TVD(6885.68) VS(10284.35) N/-S(1182.71) E/-W(-10291.76)
#186 MD(17178.00) Inc(93.09) Azm(271.84) TVD(6879.04) VS(10377.07) N/-S(1184.78) E/-W(-10384.50)
#187 MD(17270.00) Inc(93.77) Azm(270.18) TVD(6873.54) VS(10468.87) N/-S(1186.40) E/-W(-10476.31)
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