Polaris Guidance Systems LLC

Extraction_Ensign 147_AD Fed Library 20W-25-18

MD
5":100'

Company: Extraction Oil & Gas
Well Name: AD Fed Library 20W-25-18
API: 05-123-45037
County/Parish: Weld
State: Colorado
Country: USA
Job number: 00227EX-CO
Field: Wattenberg
Rig Id: Ensign #147
Survey Company: Atlas Drilling Services
Day MWD Keith Cornell
Night MWD Brandon Snyder

Log measurements: Gamma
Depth measured from: DF ft
Maximum temperature: 286.5

	Depth	Date
Start:	1,650' ft	07/24/2019
End:	19,816' ft	07/29/2019

Casing	Depth	Size
Surface:	1,590 ft	9.625"
Intermediate:		

Mud Type: OBM
Density: 10.1
Viscosity: 49
Rm: **Rmf:** **Rmc:**

Elevations
KB: 28'
GL: 4,638'
DF: 4,666'

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.5"	38.87 ft	58.00 ft	1,650 ft	6,177 ft	07/24/2019 15:00	07/25/2019 20:30
2	8.5"	46.82 ft	66.00 ft	6,177 ft	7,932 ft	07/25/2019 21:00	07/26/2019 19:46
3	8.5"	22.42 ft	33.00 ft	7,932 ft	19,816 ft	07/26/2019 20:00	07/29/2019 01:53
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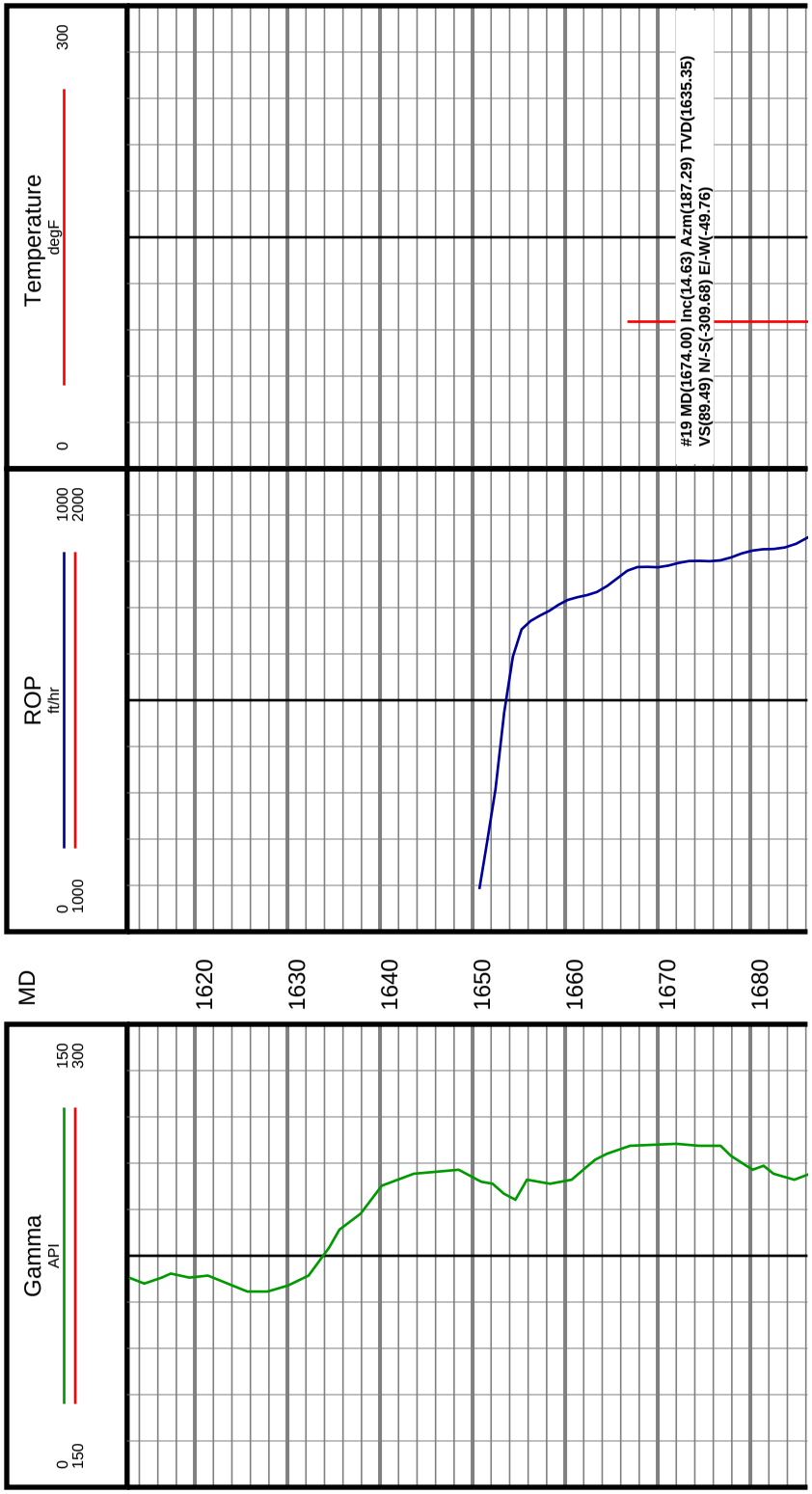
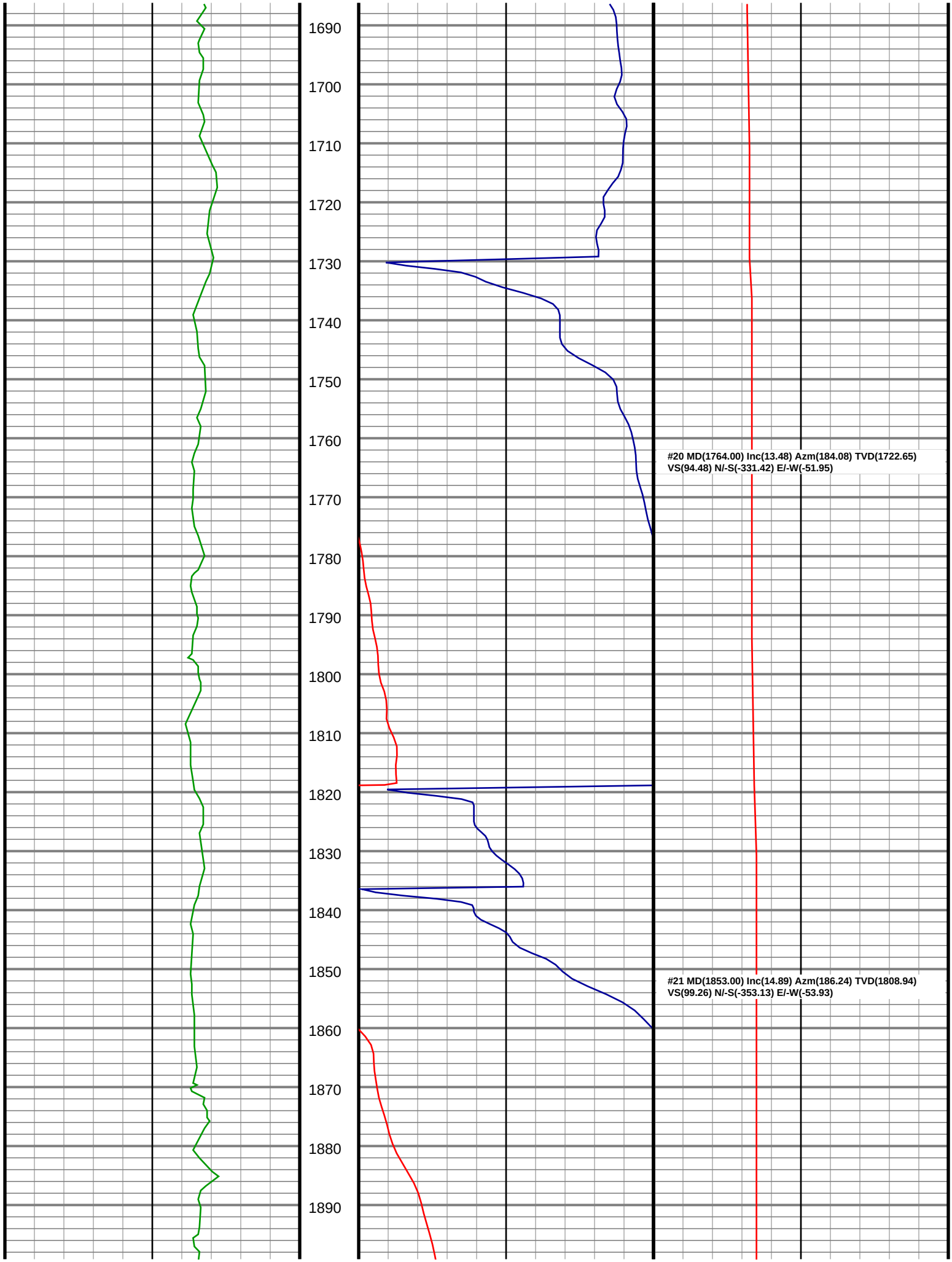
Float:1,590' Shoe:1,633' KOP:6,595' LP:7,735' TD:19,816'

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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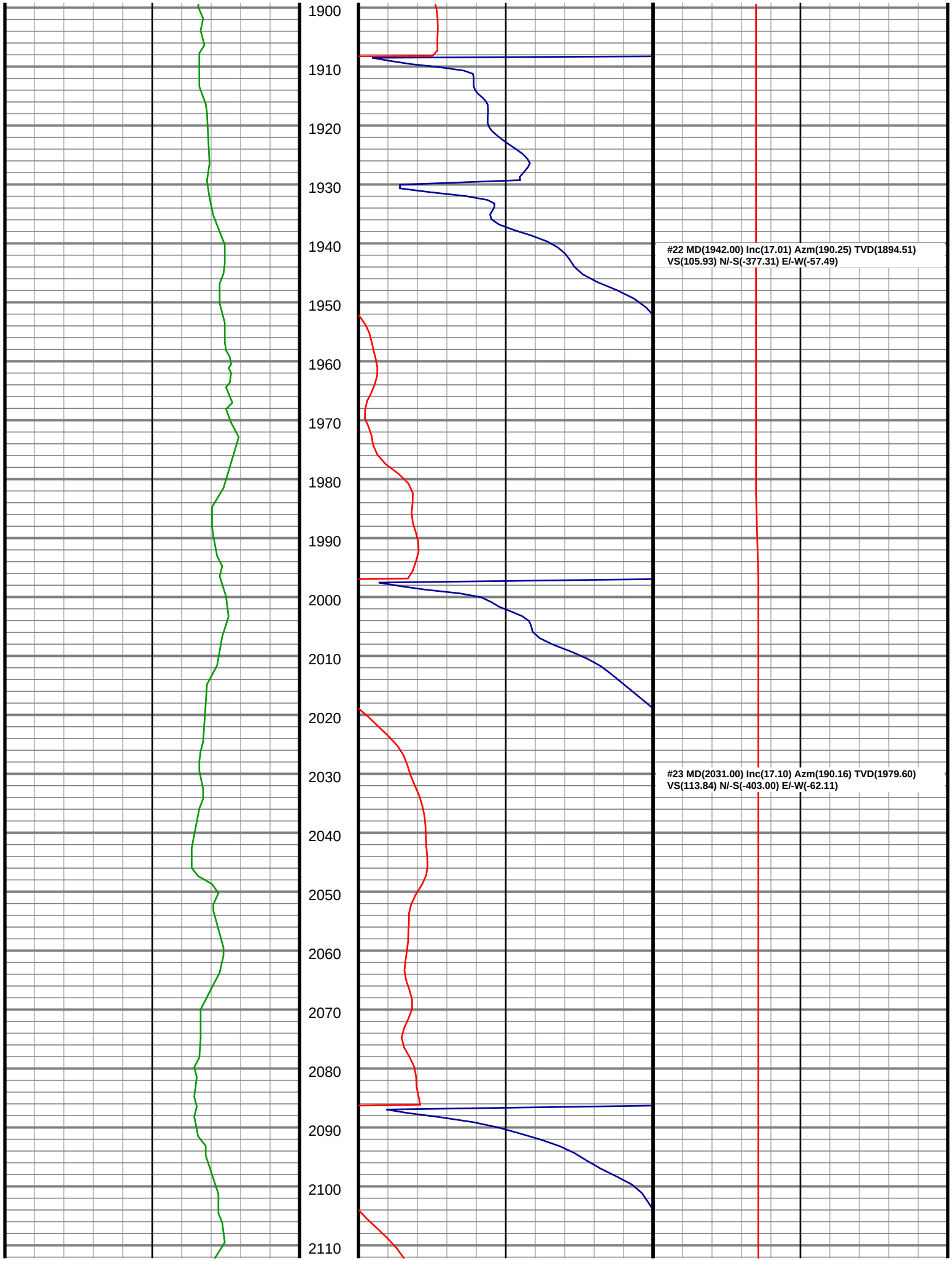
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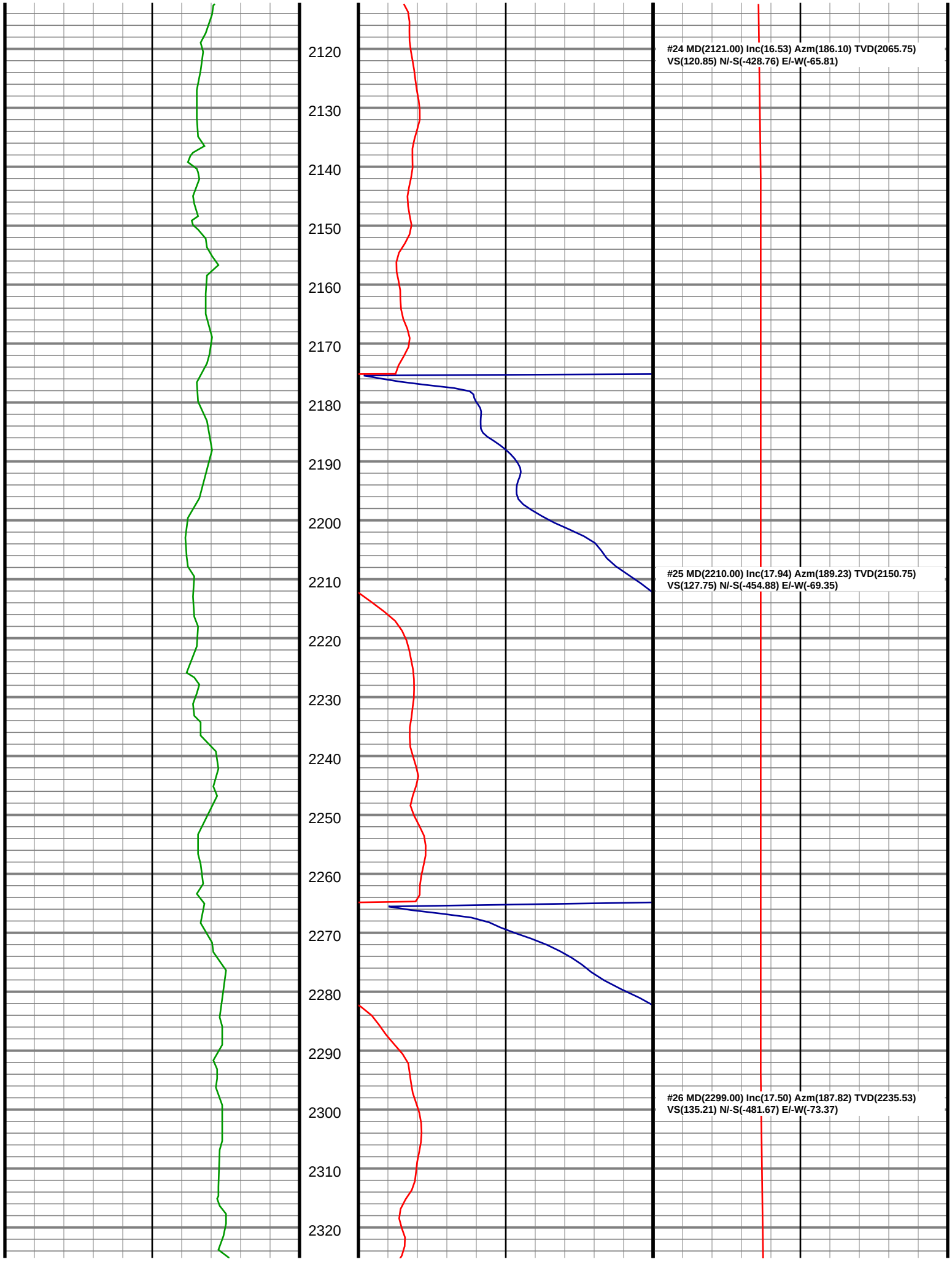
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VS(127.75) N/-S(-454.88) E/-W(-69.35)
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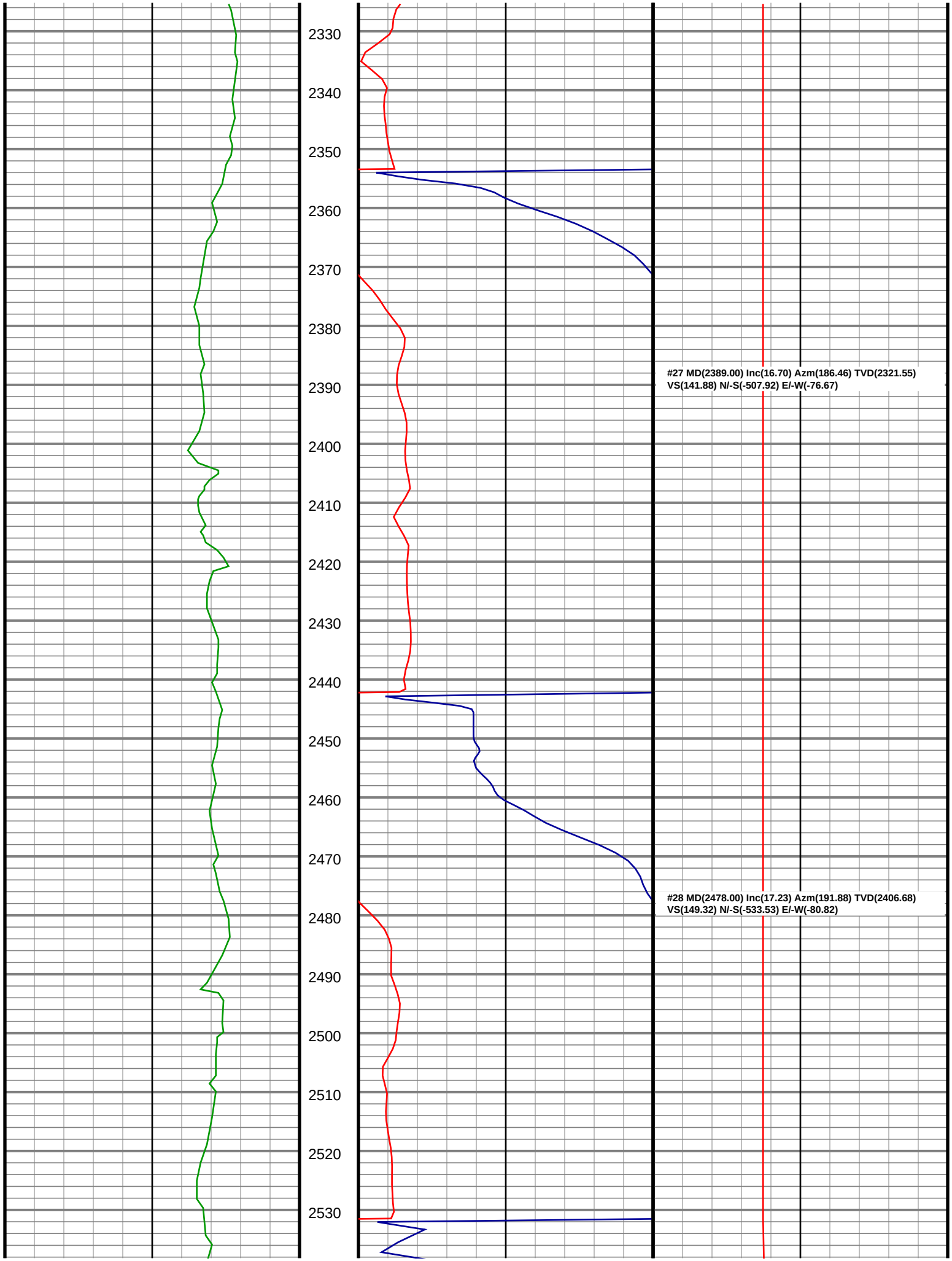
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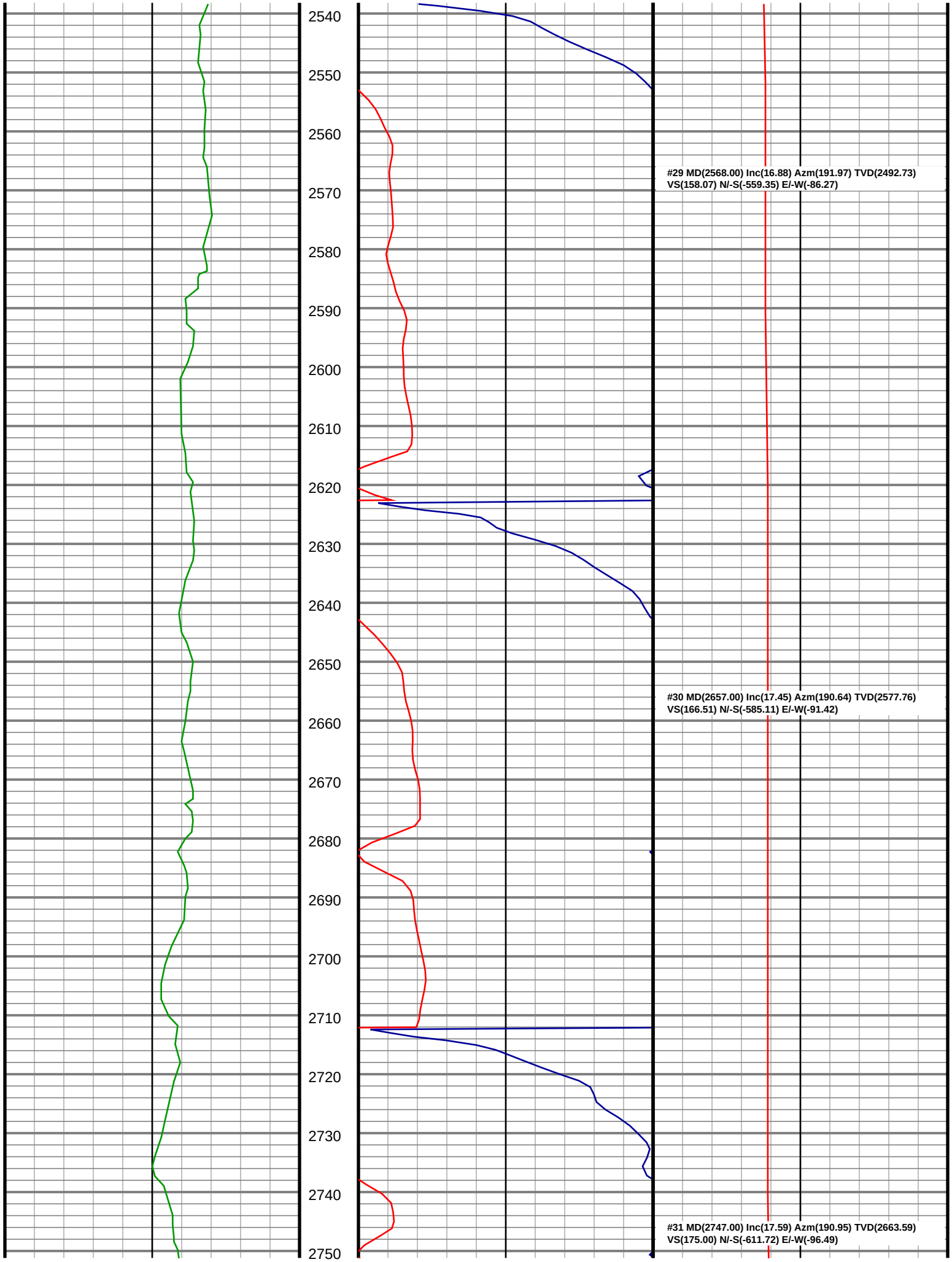
VS(149.32) N/-S(-533.53) E/-W(-80.82)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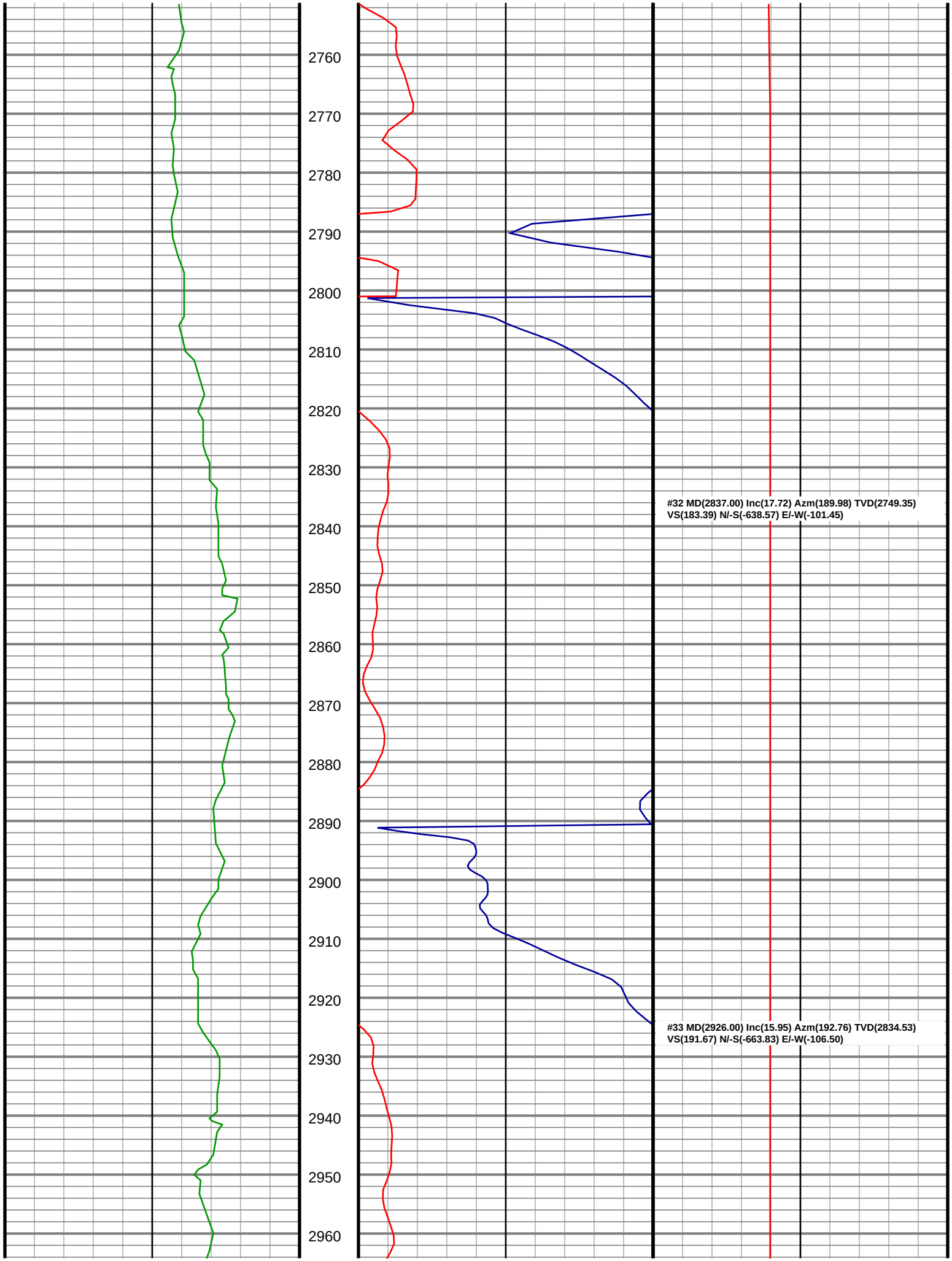
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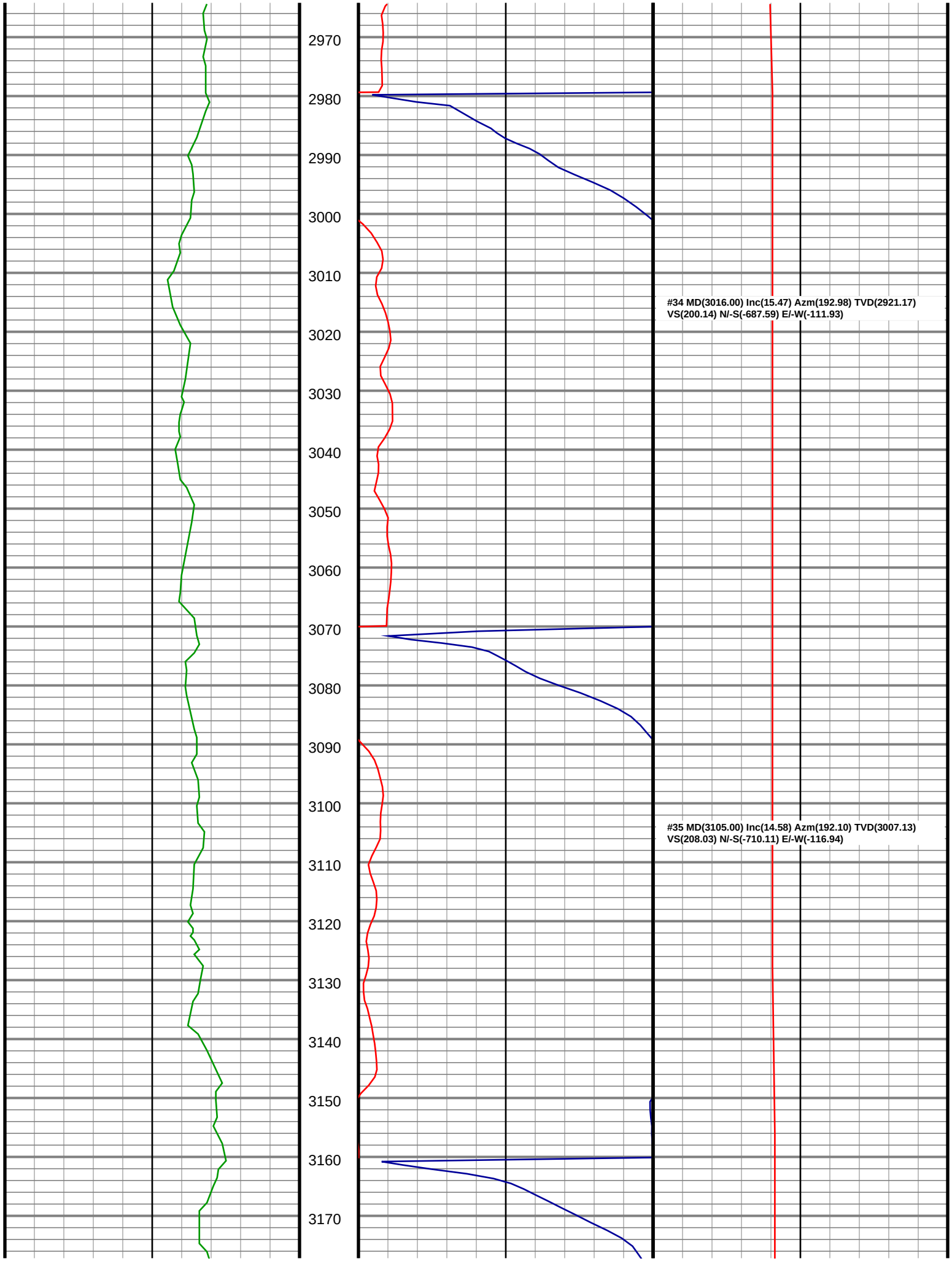
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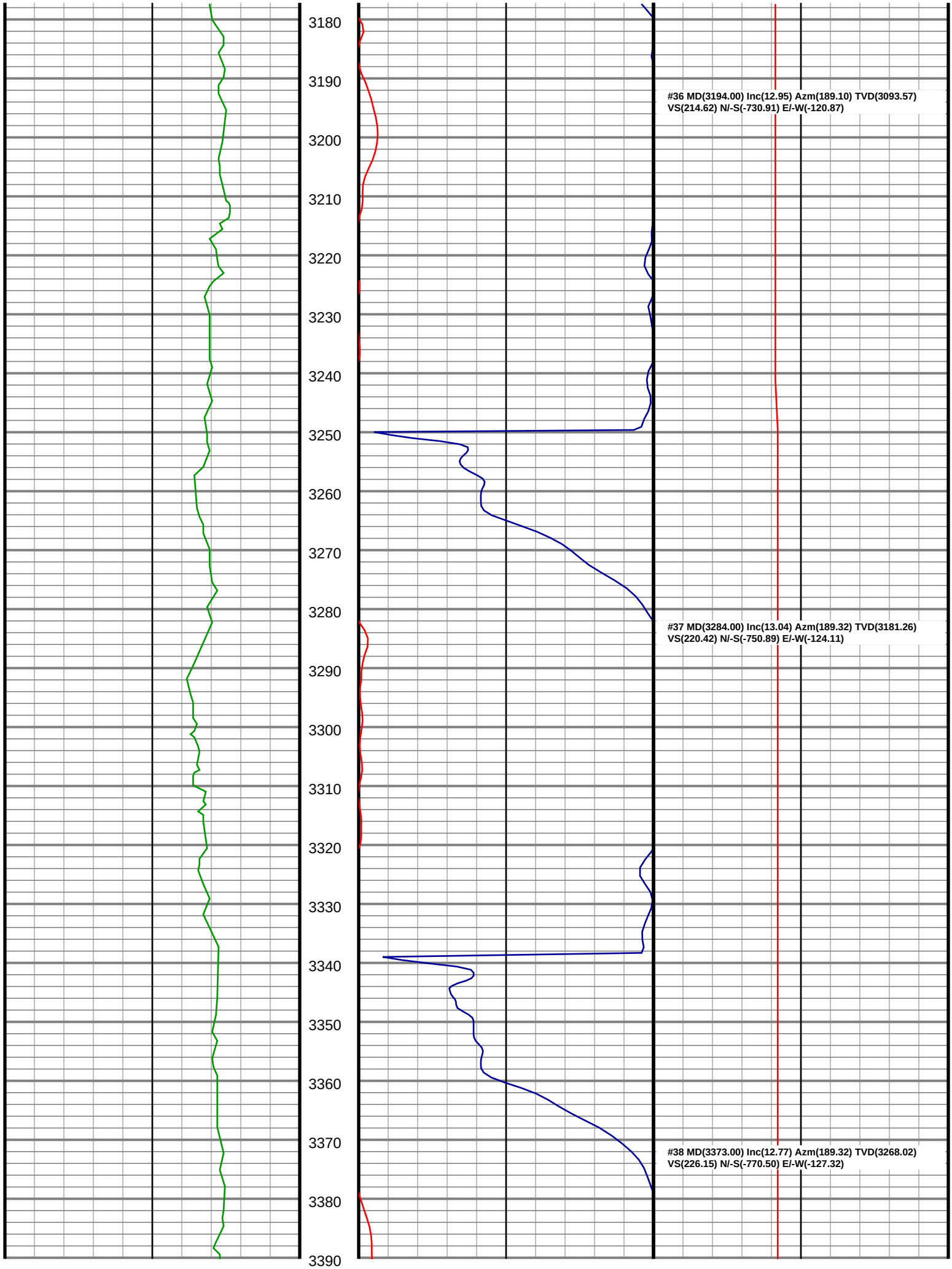
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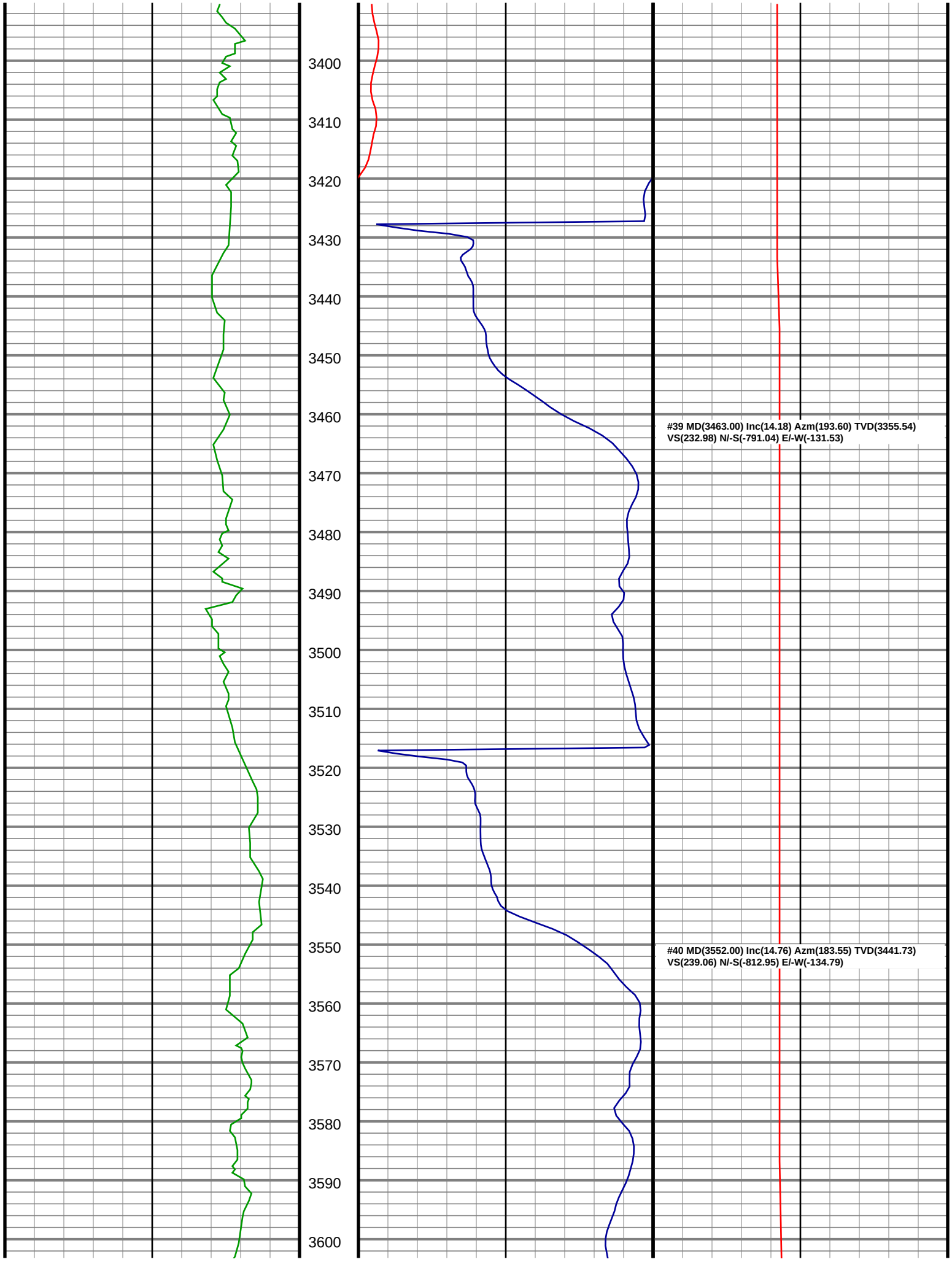
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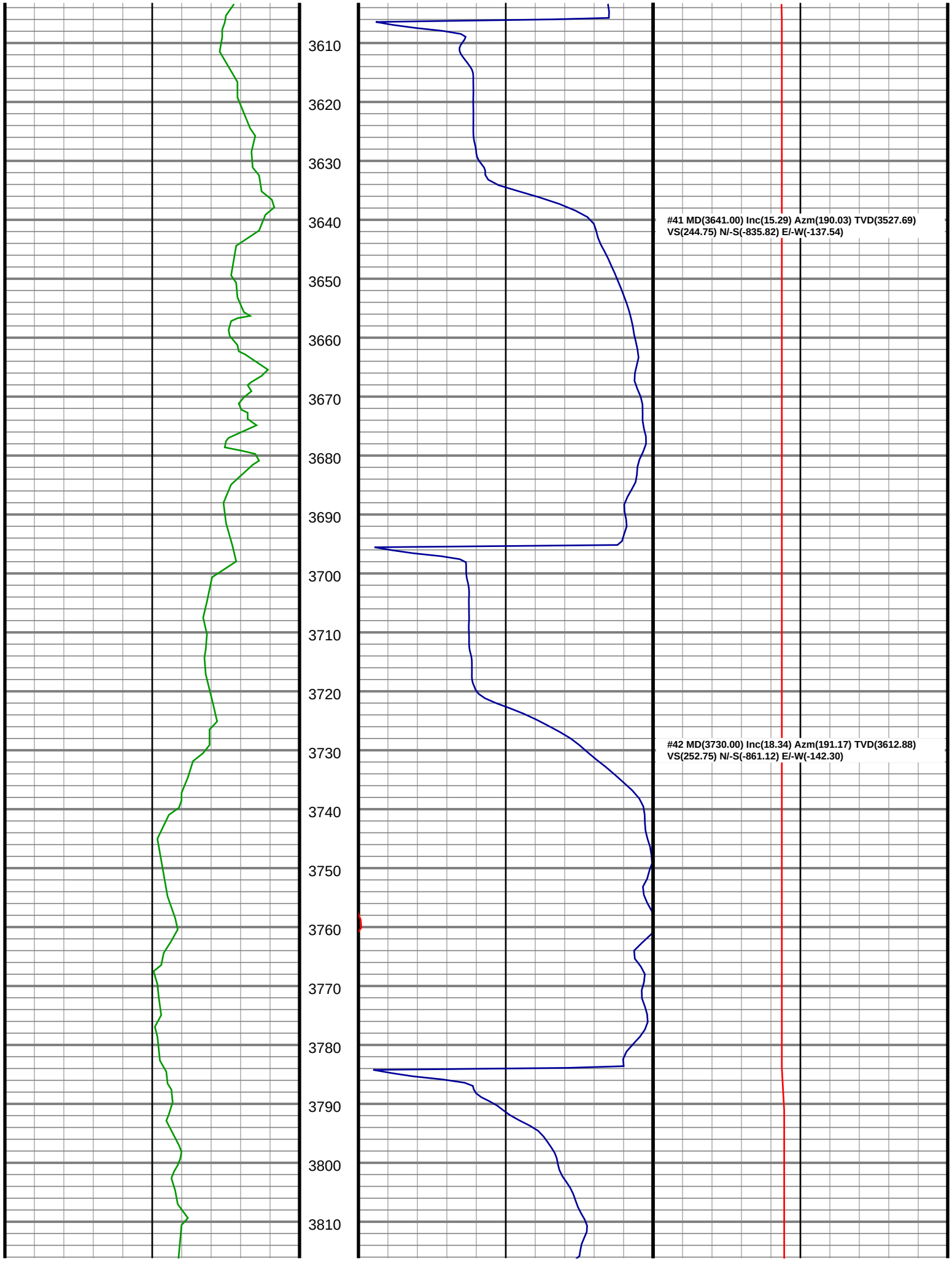
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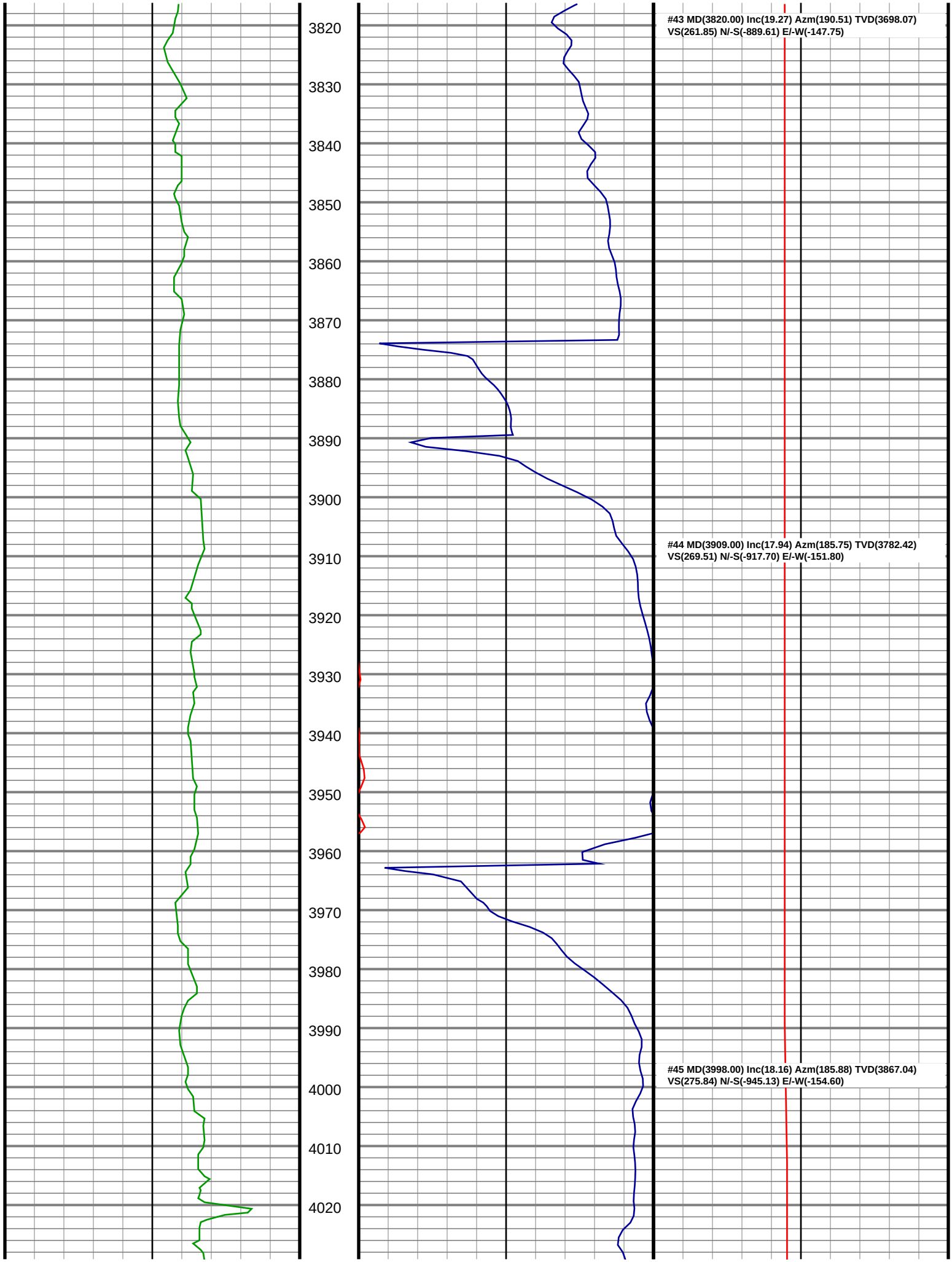
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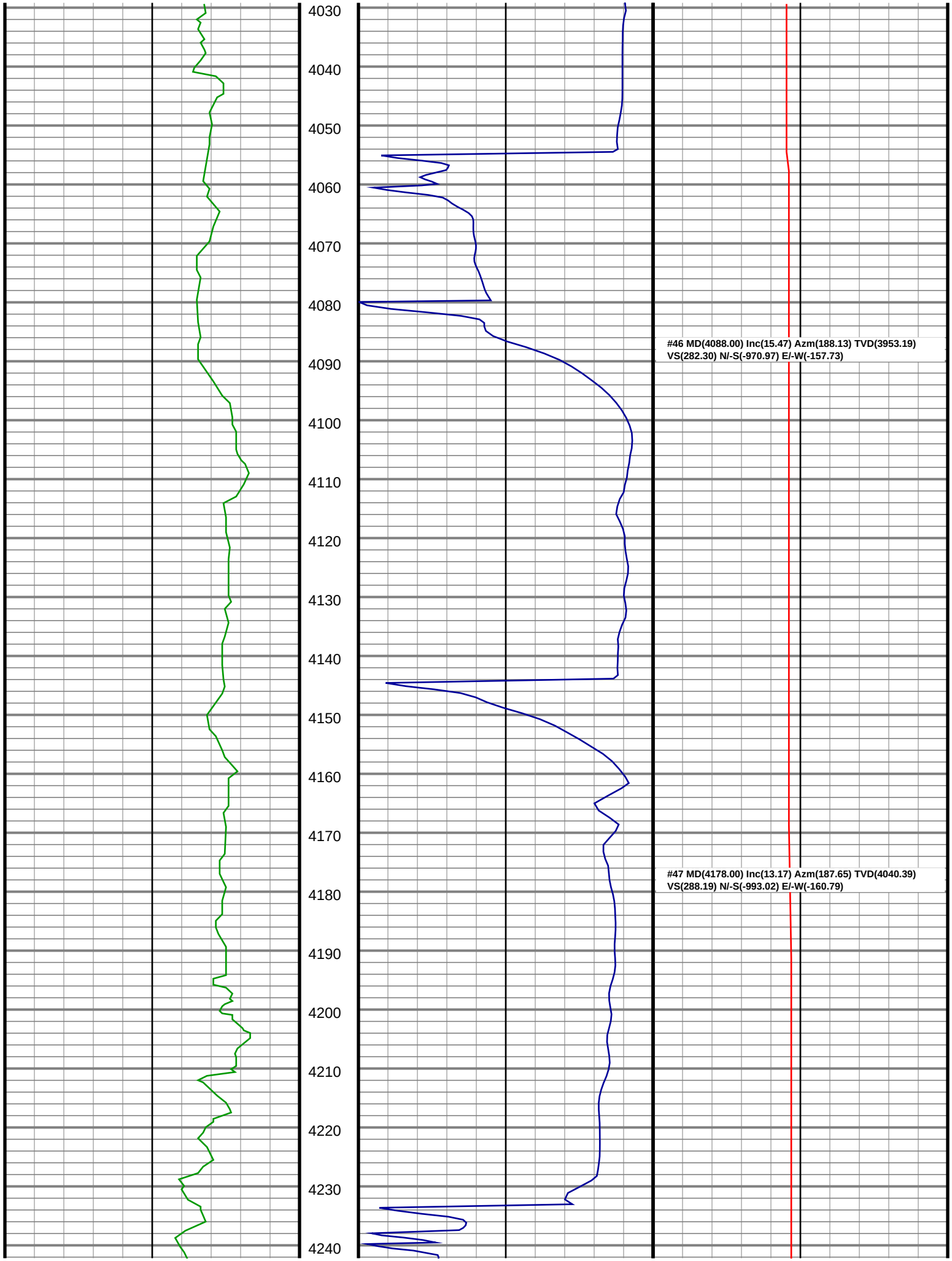
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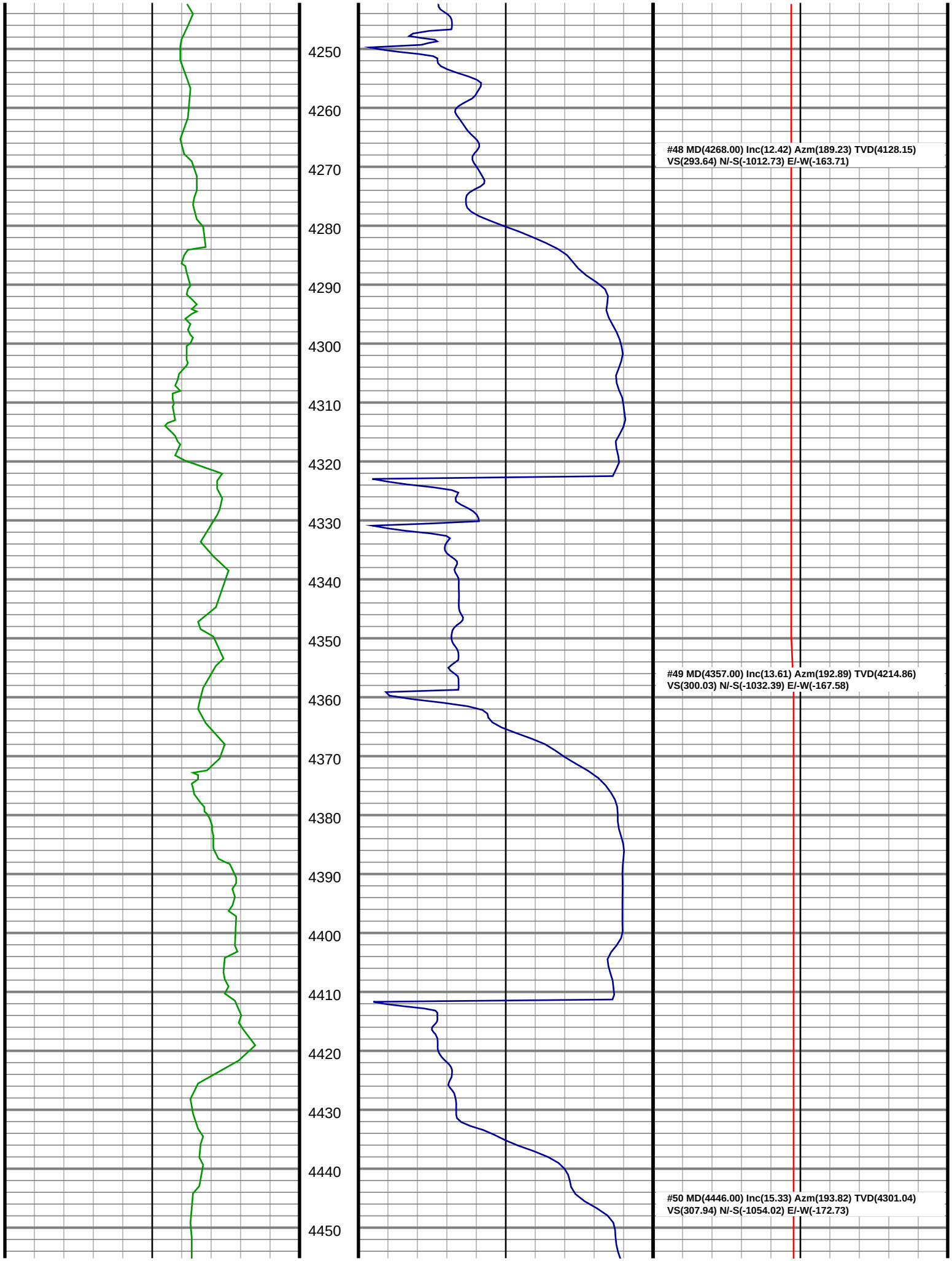
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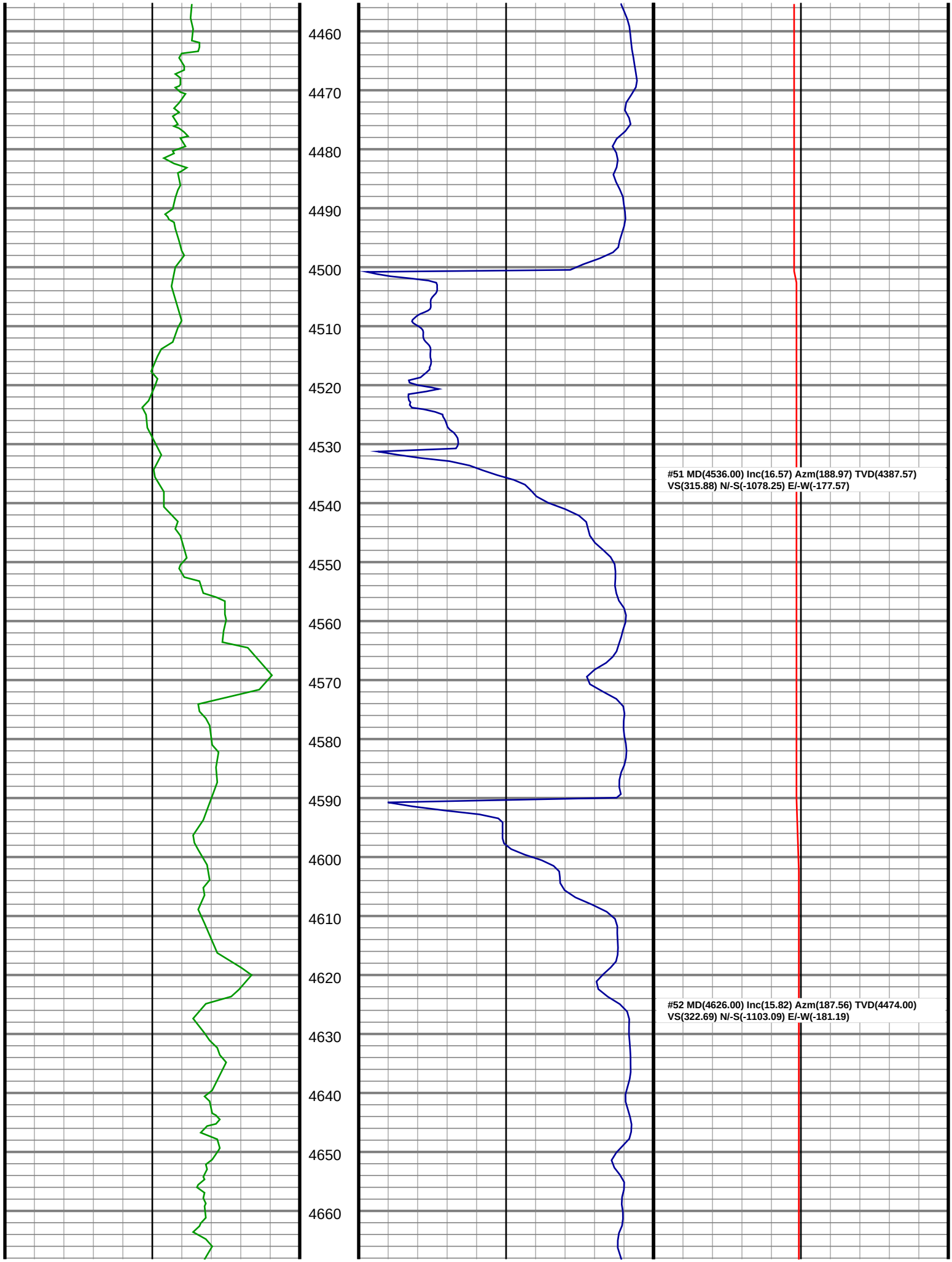
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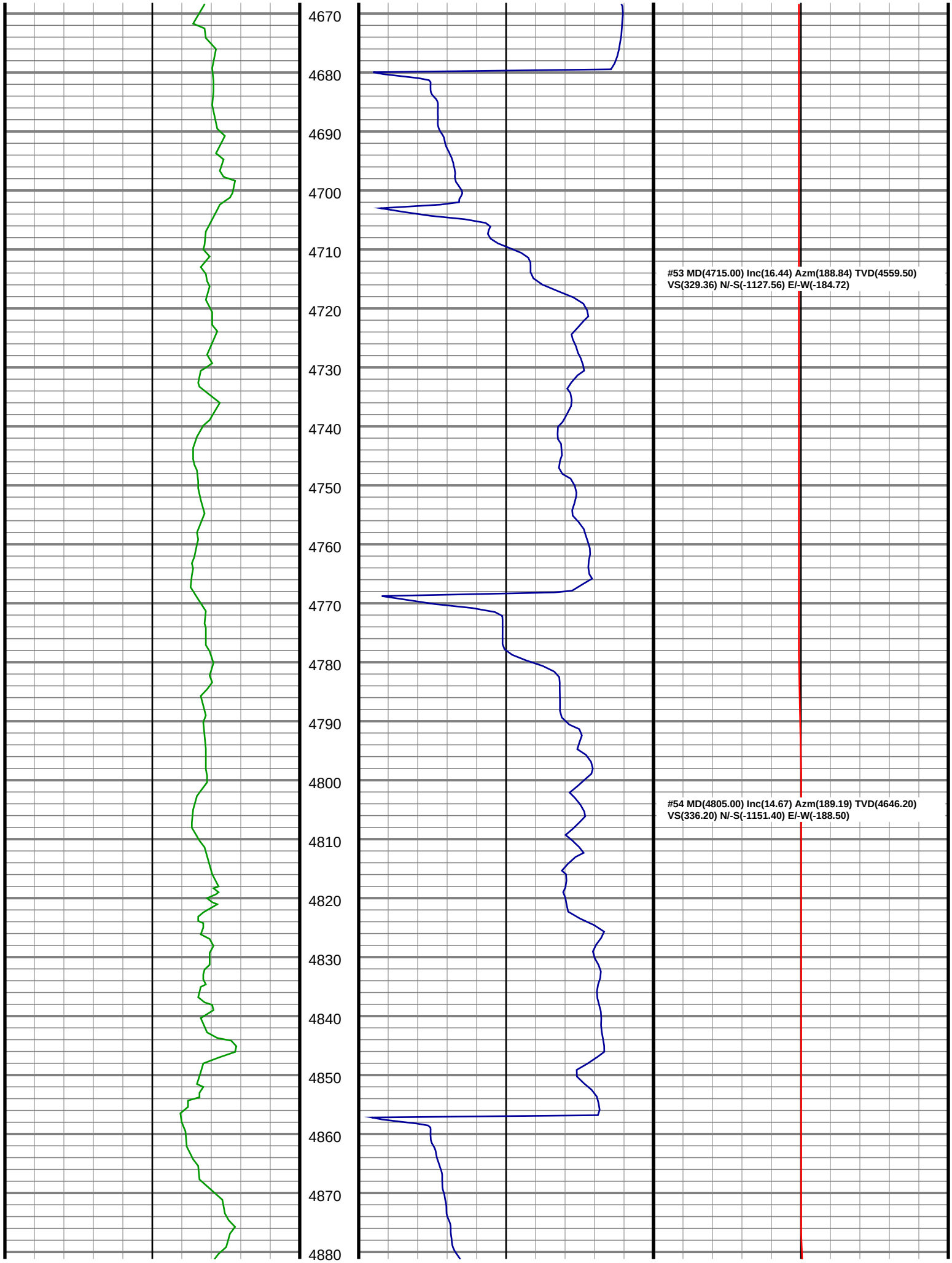
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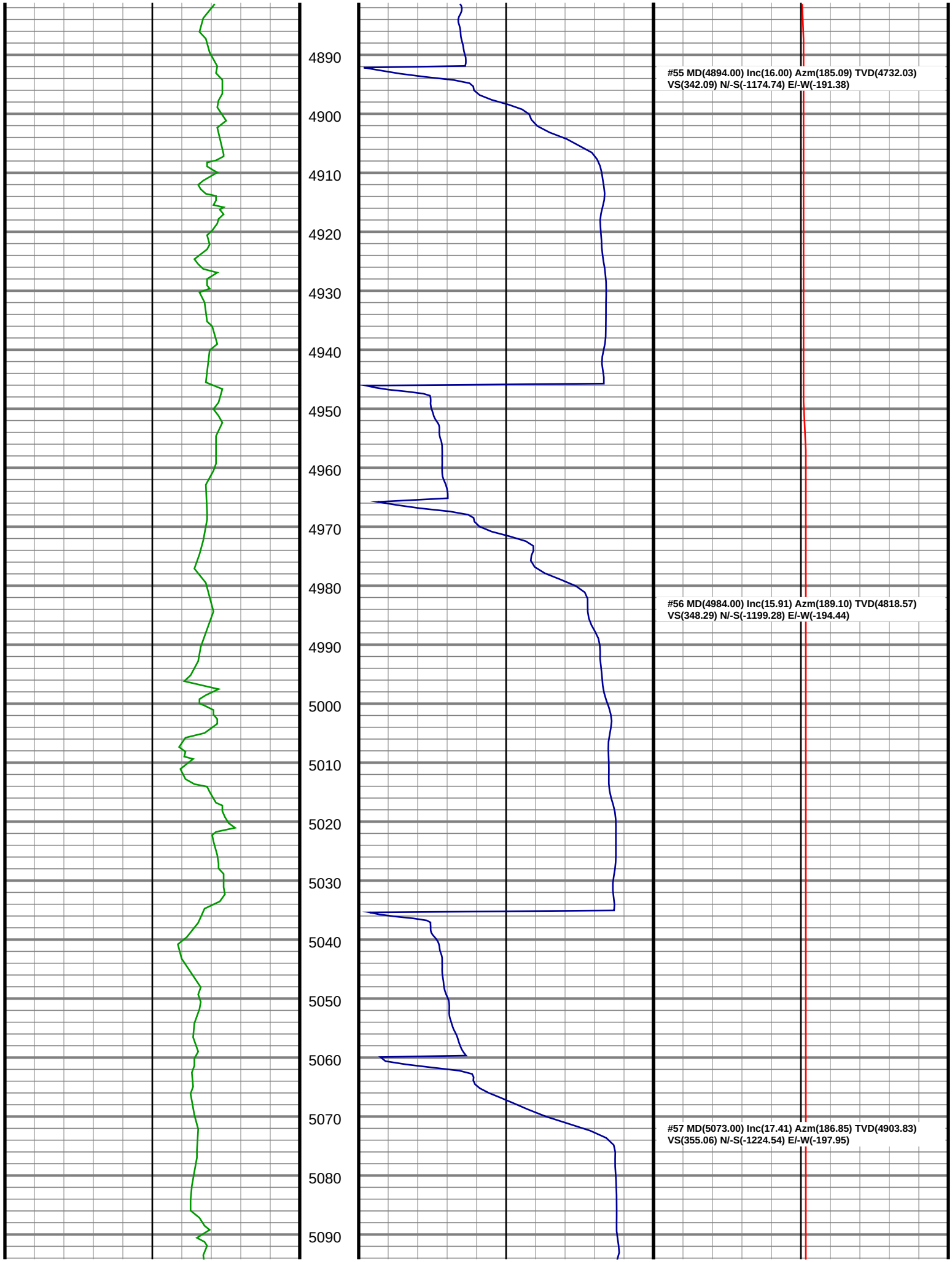
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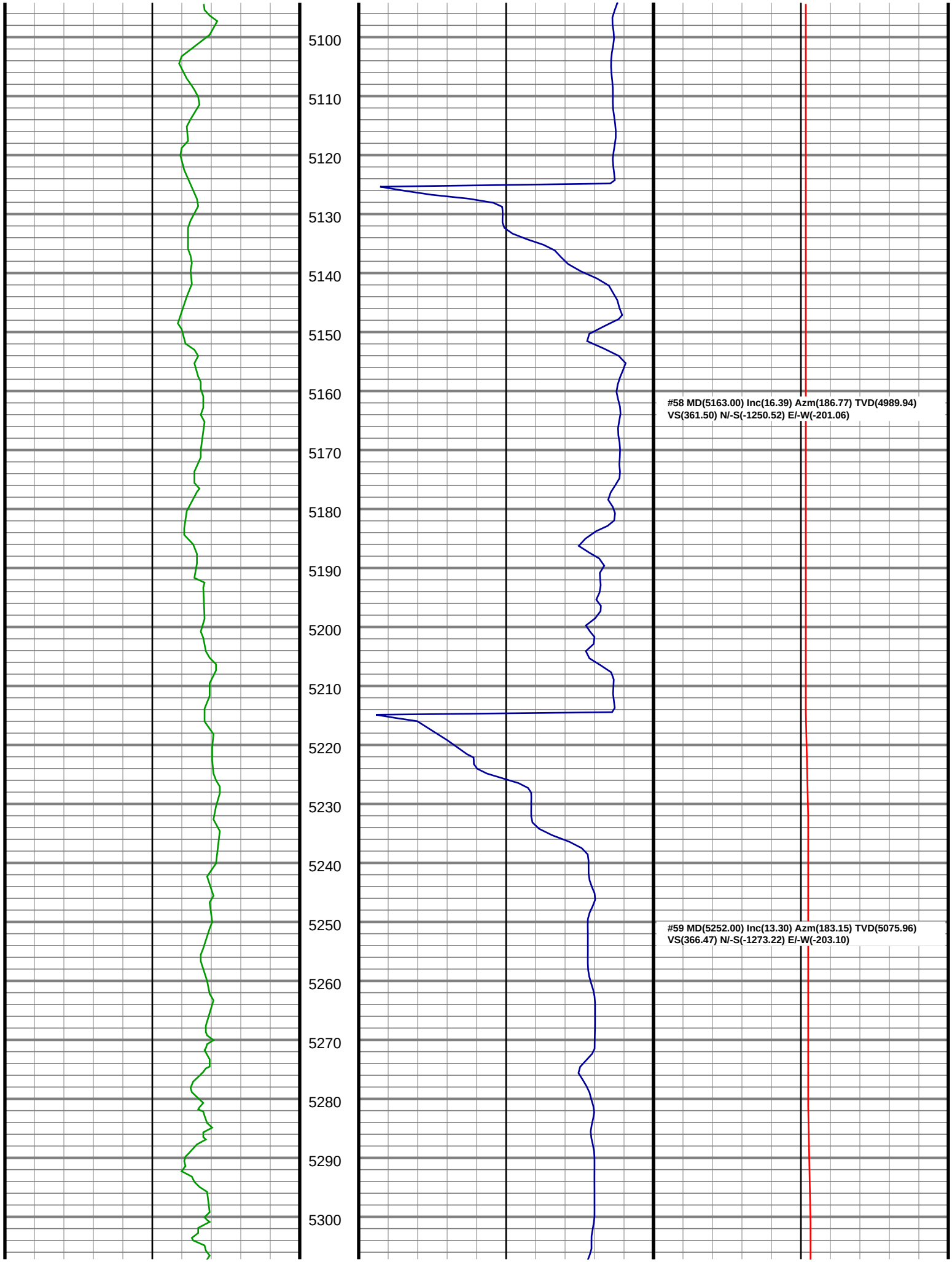
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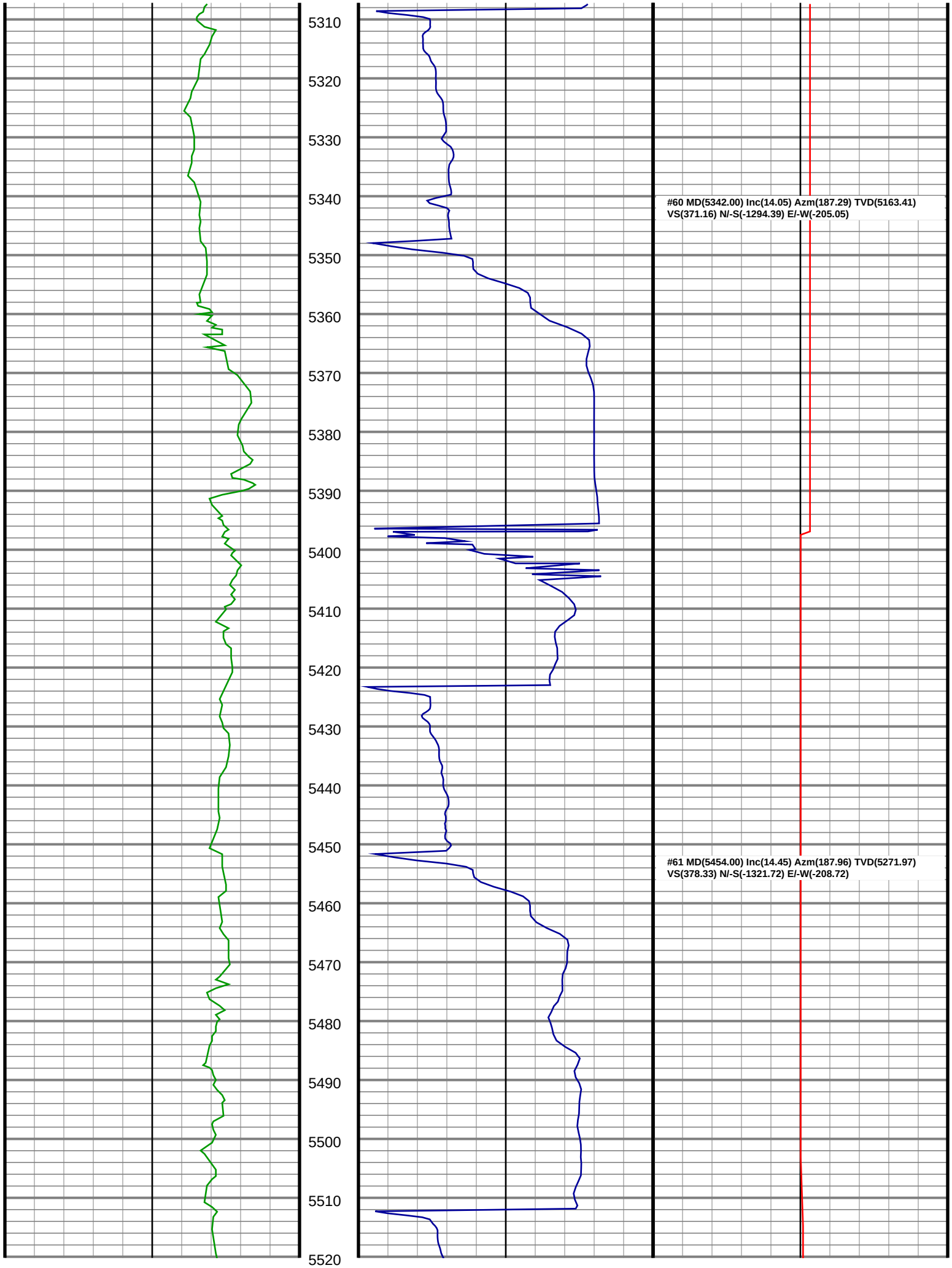
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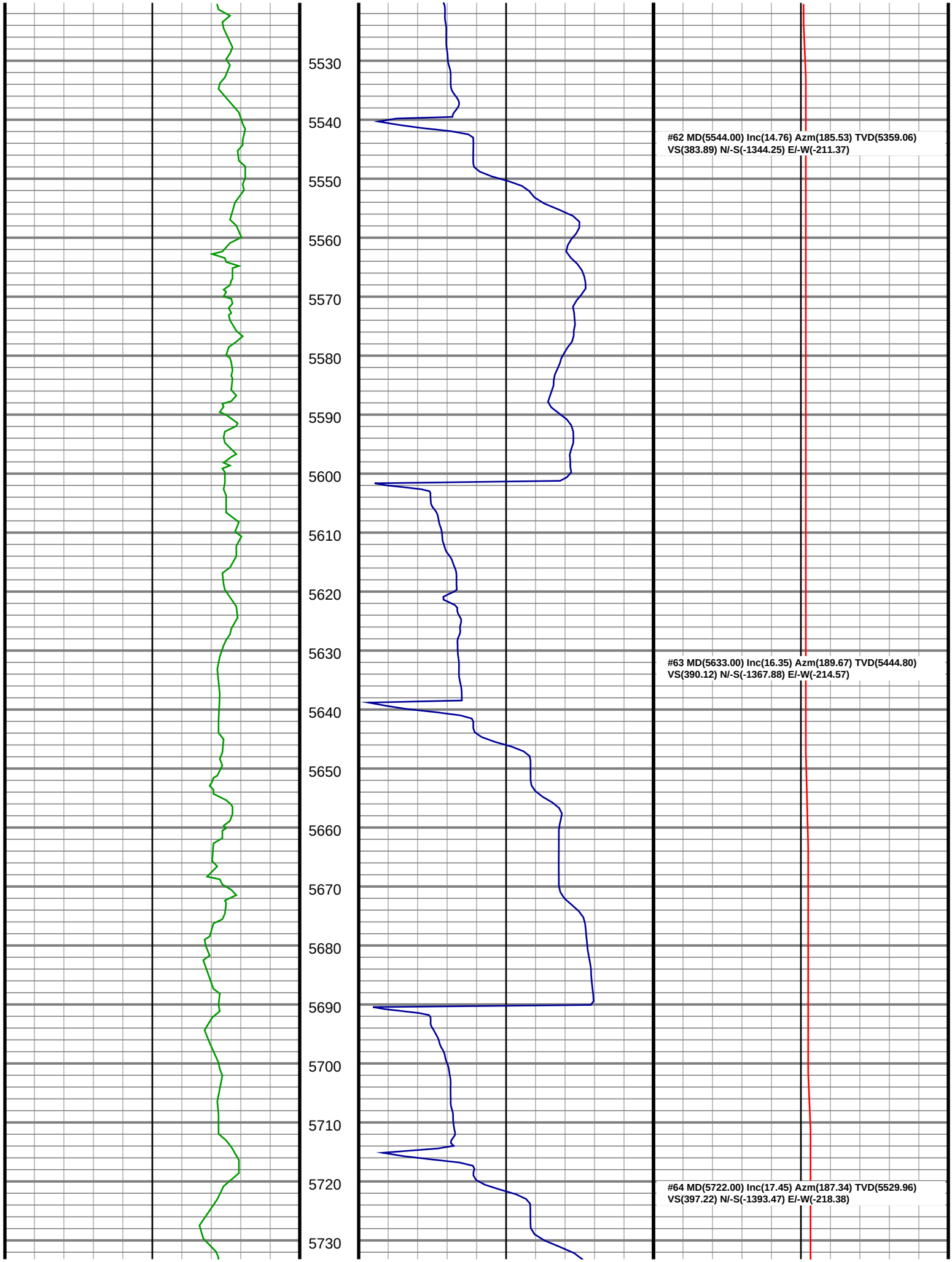
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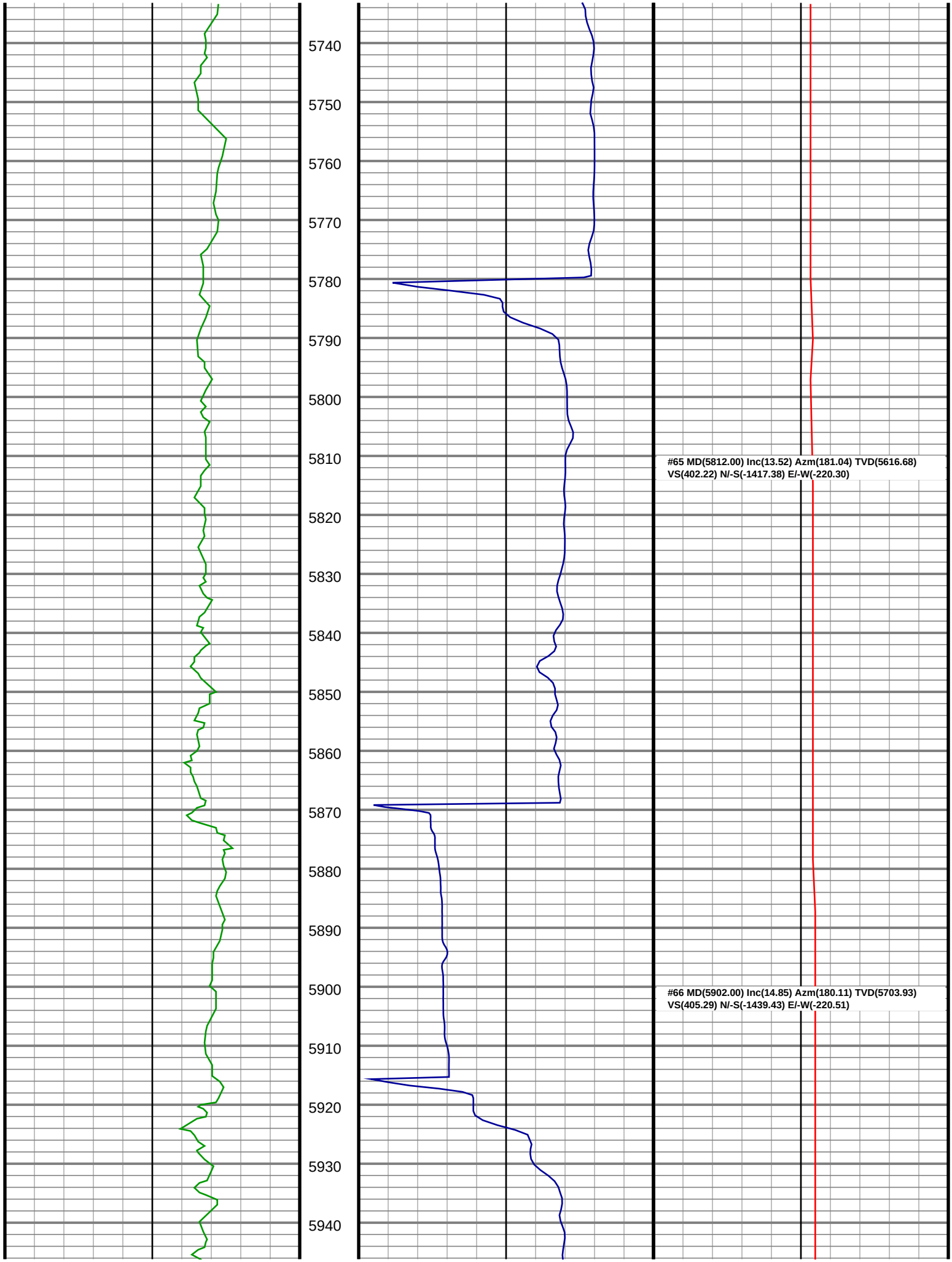
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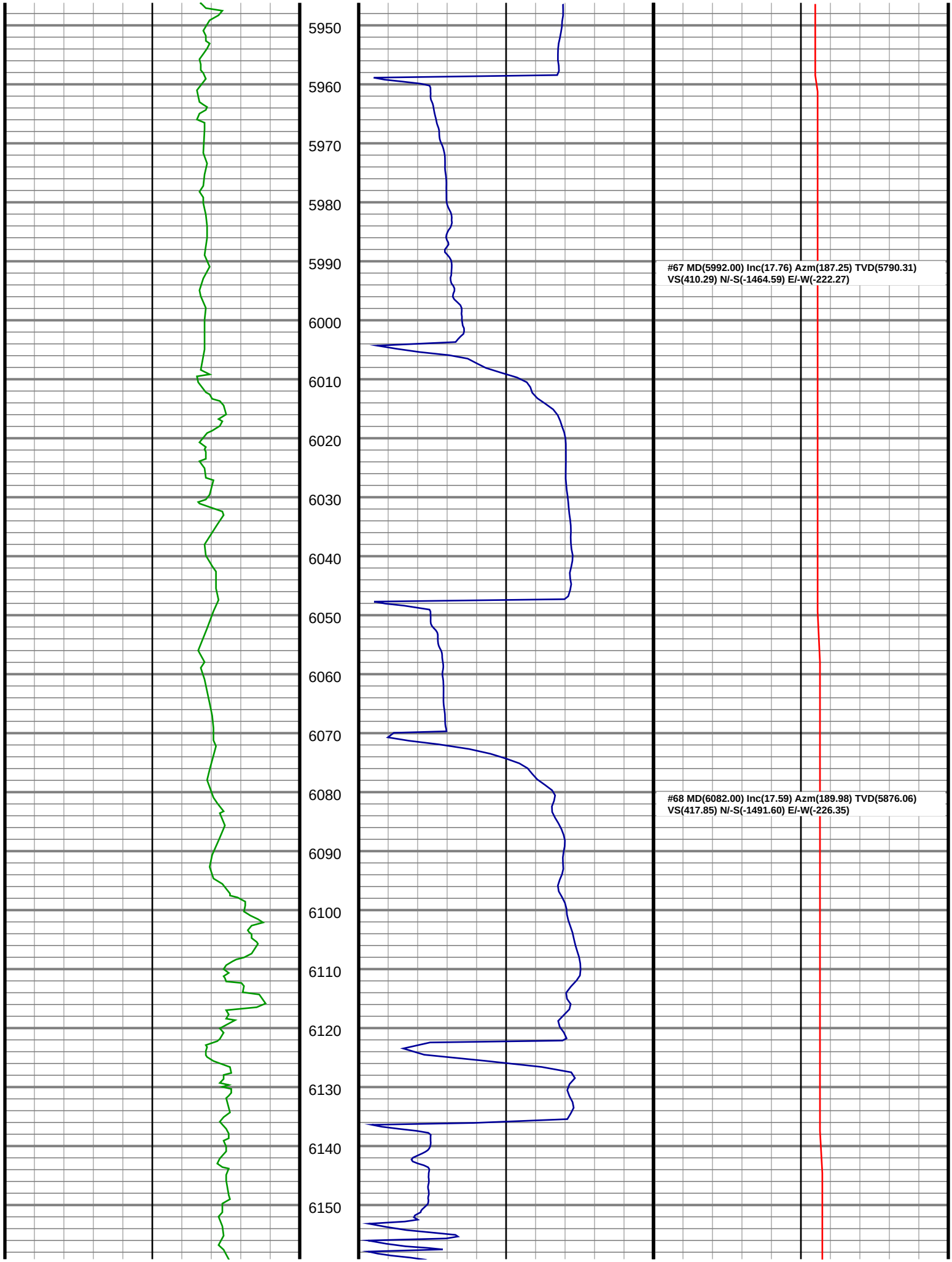
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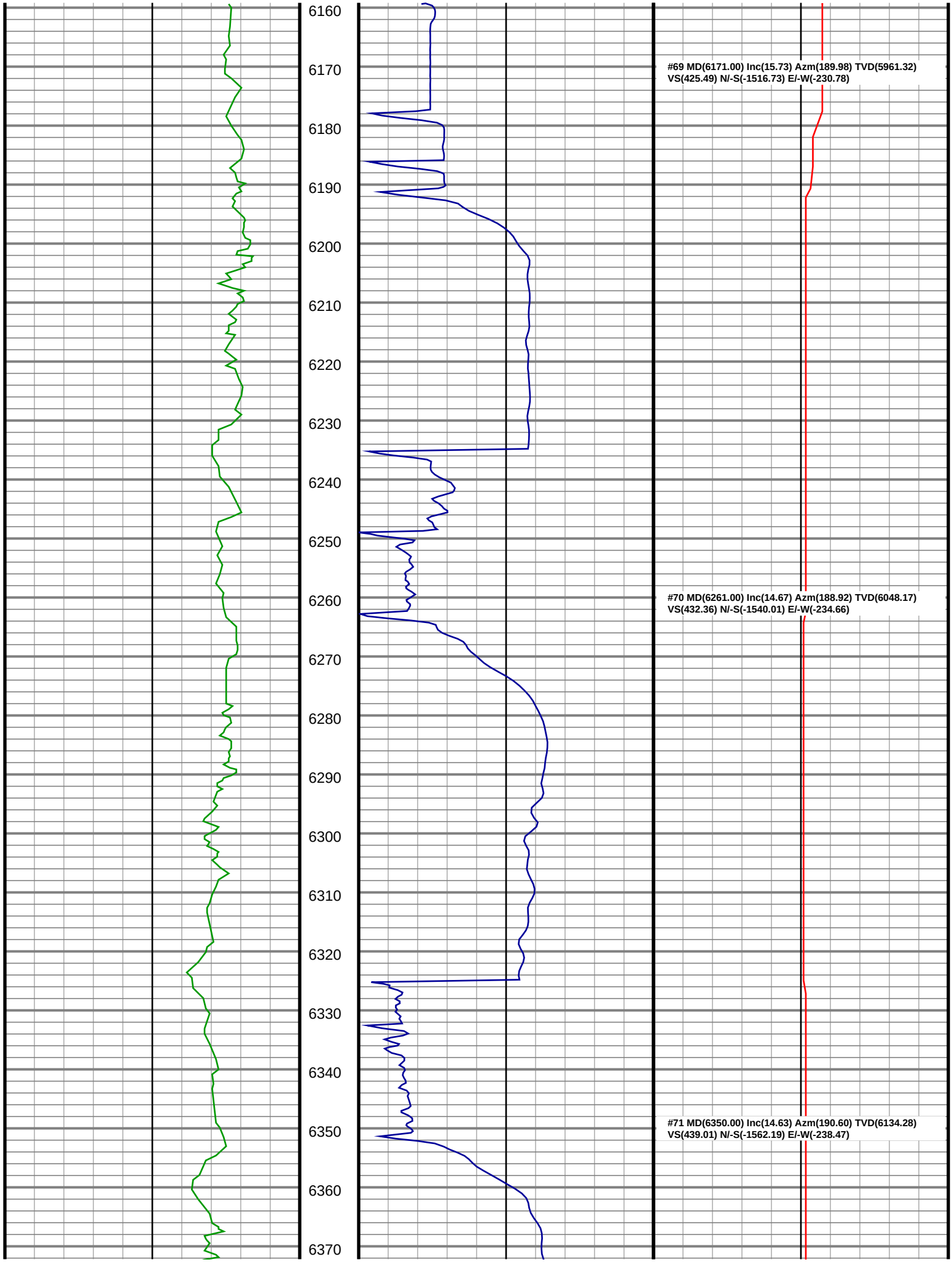
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VS(432.36) N/-S(-1540.01) E/-W(-234.66)
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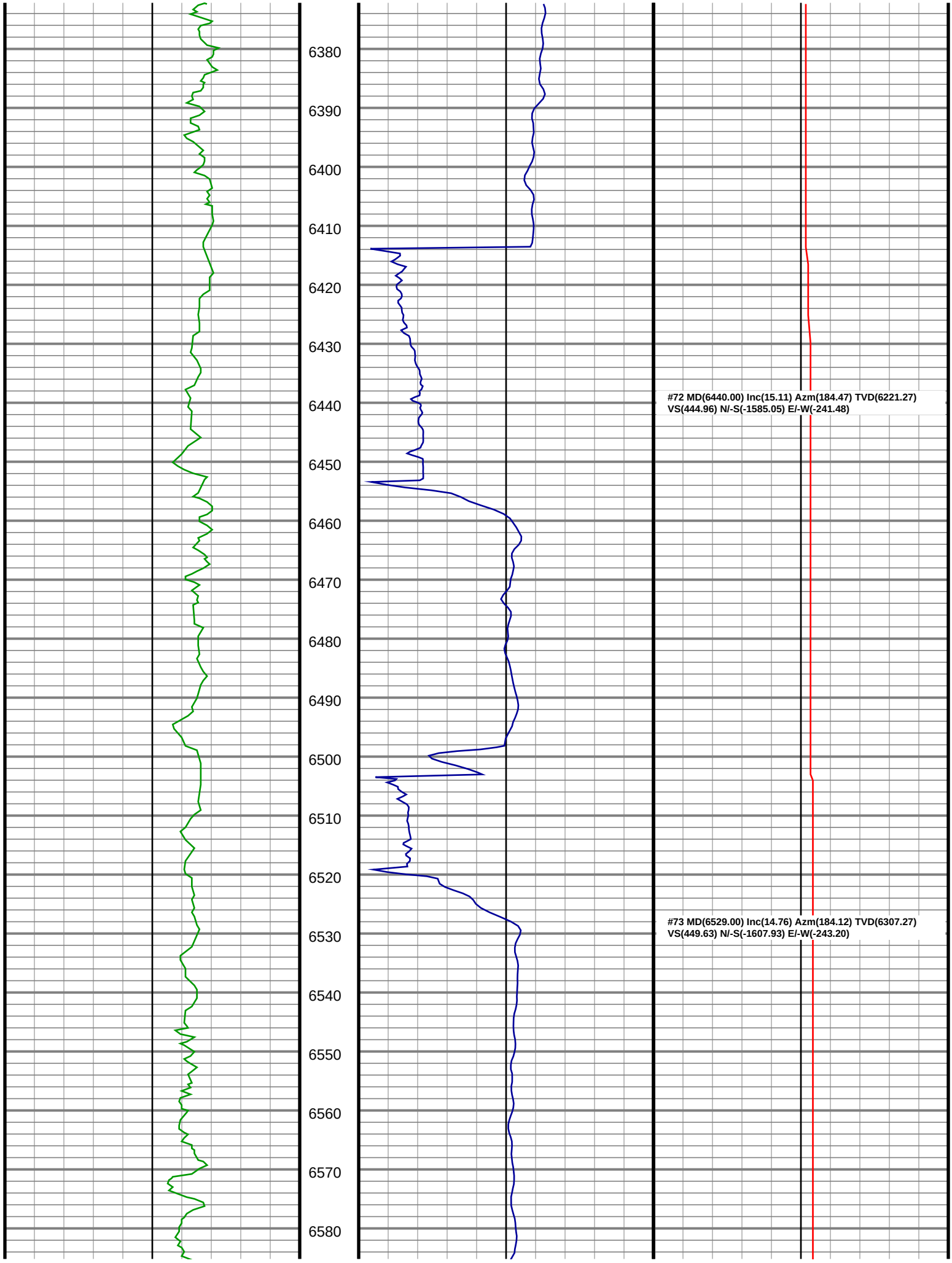
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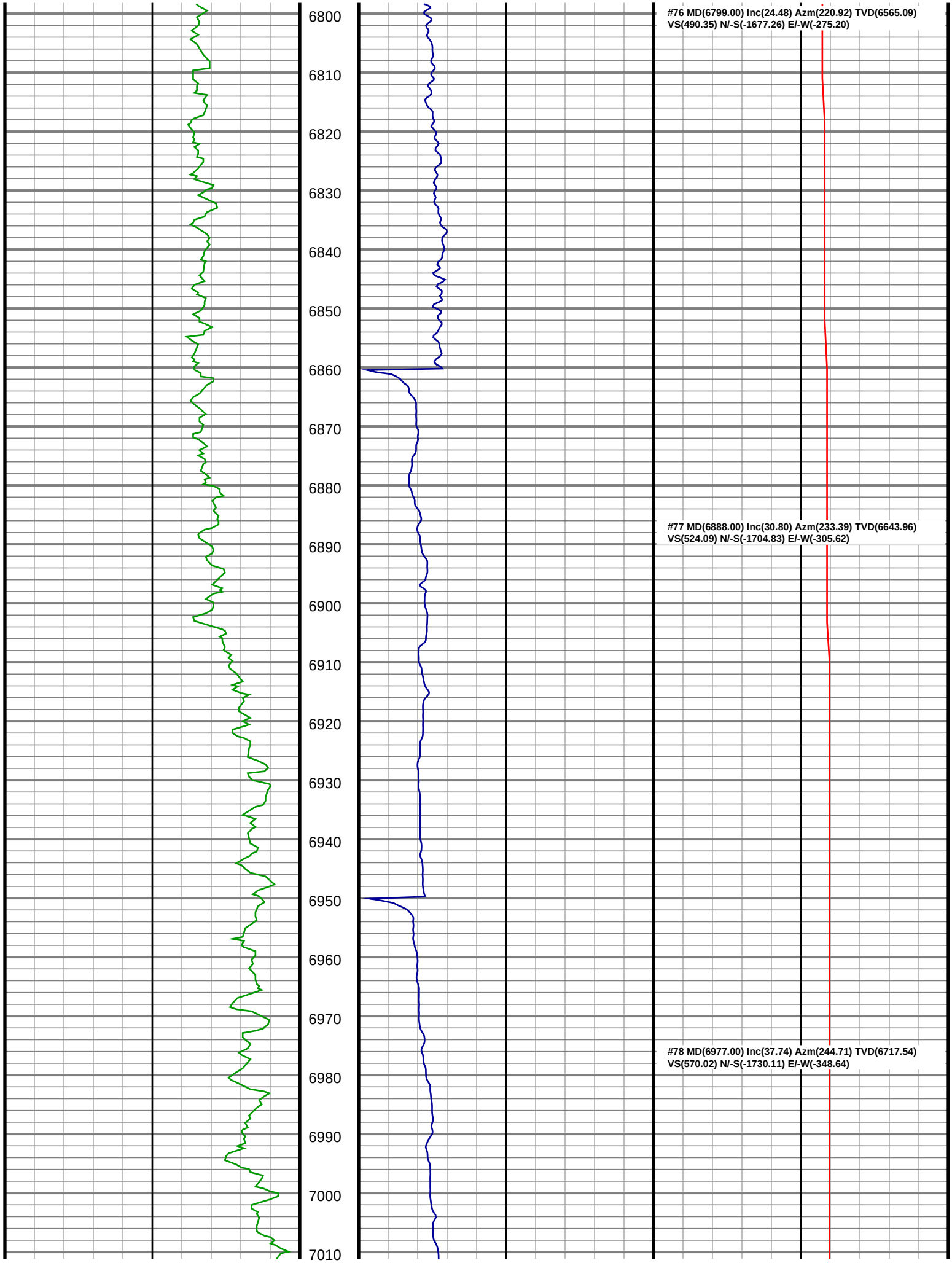
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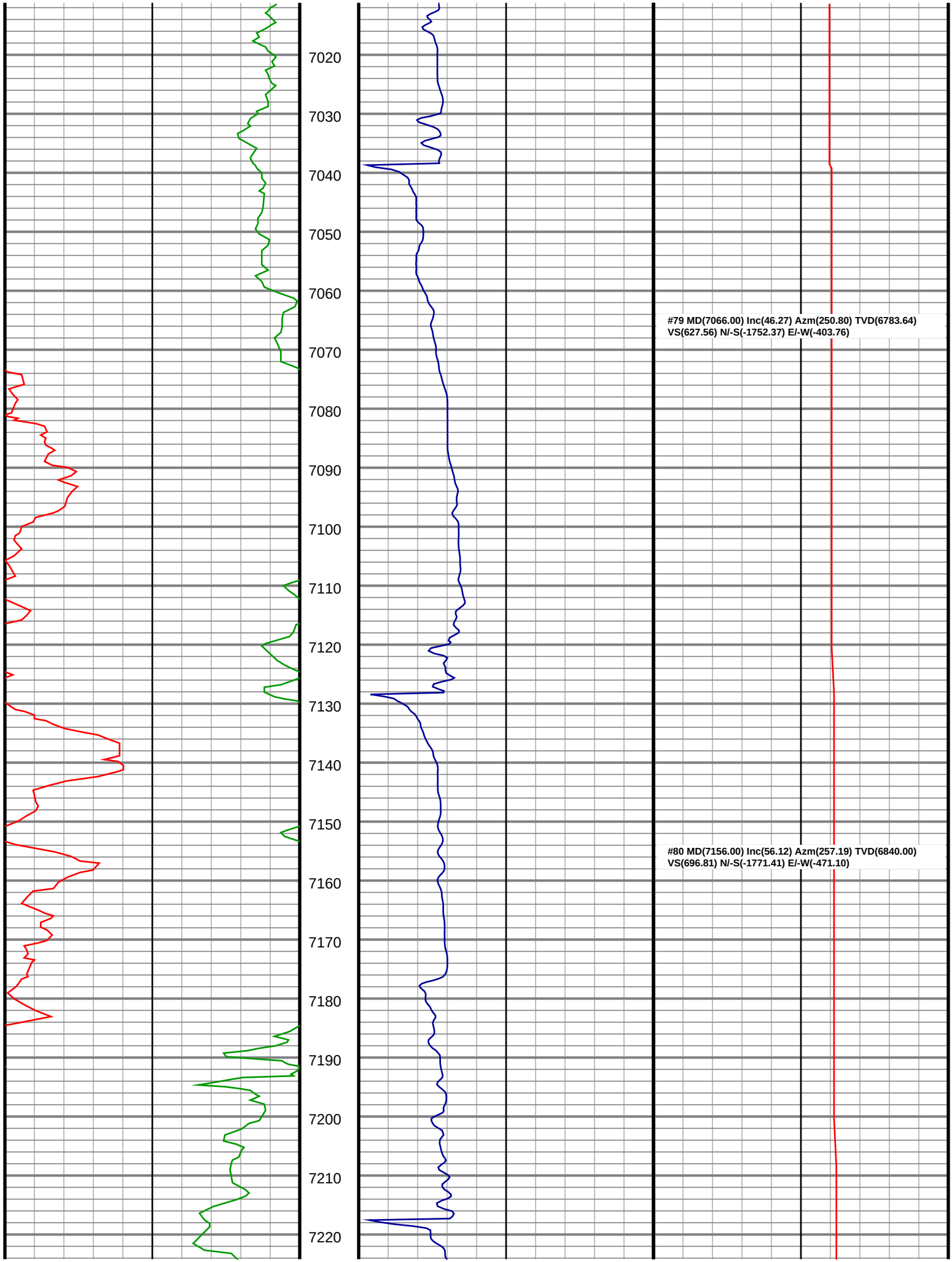
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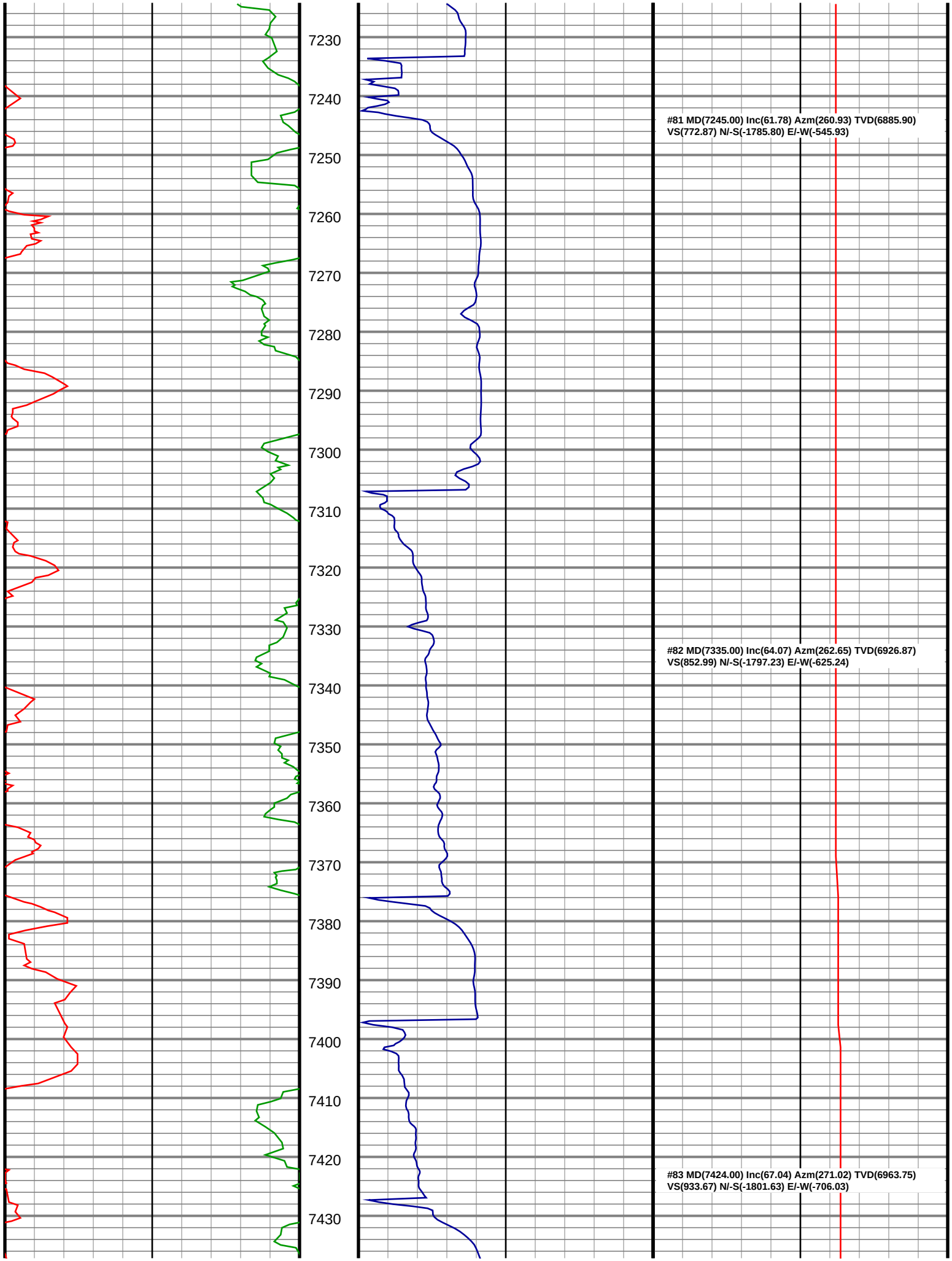
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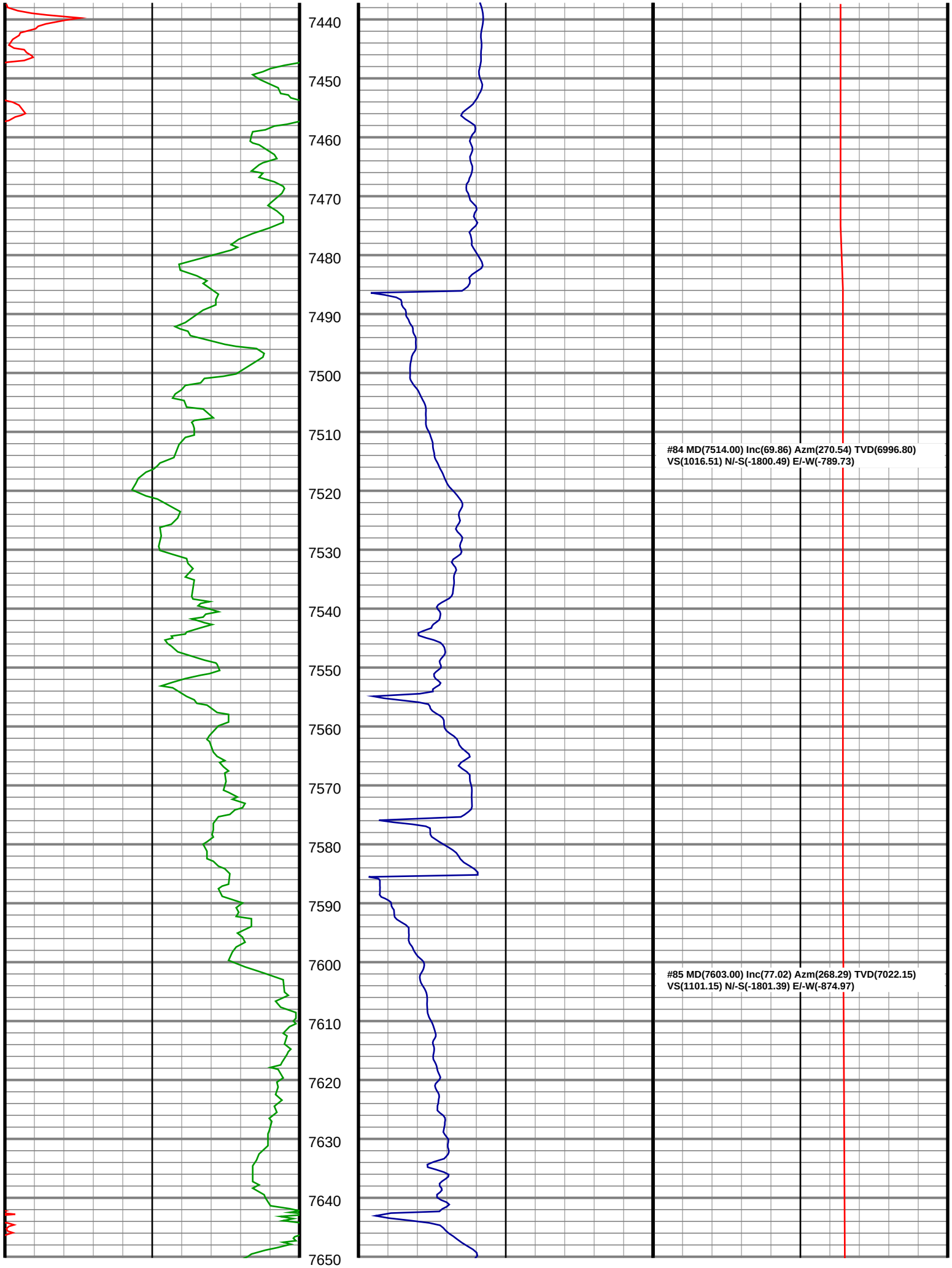
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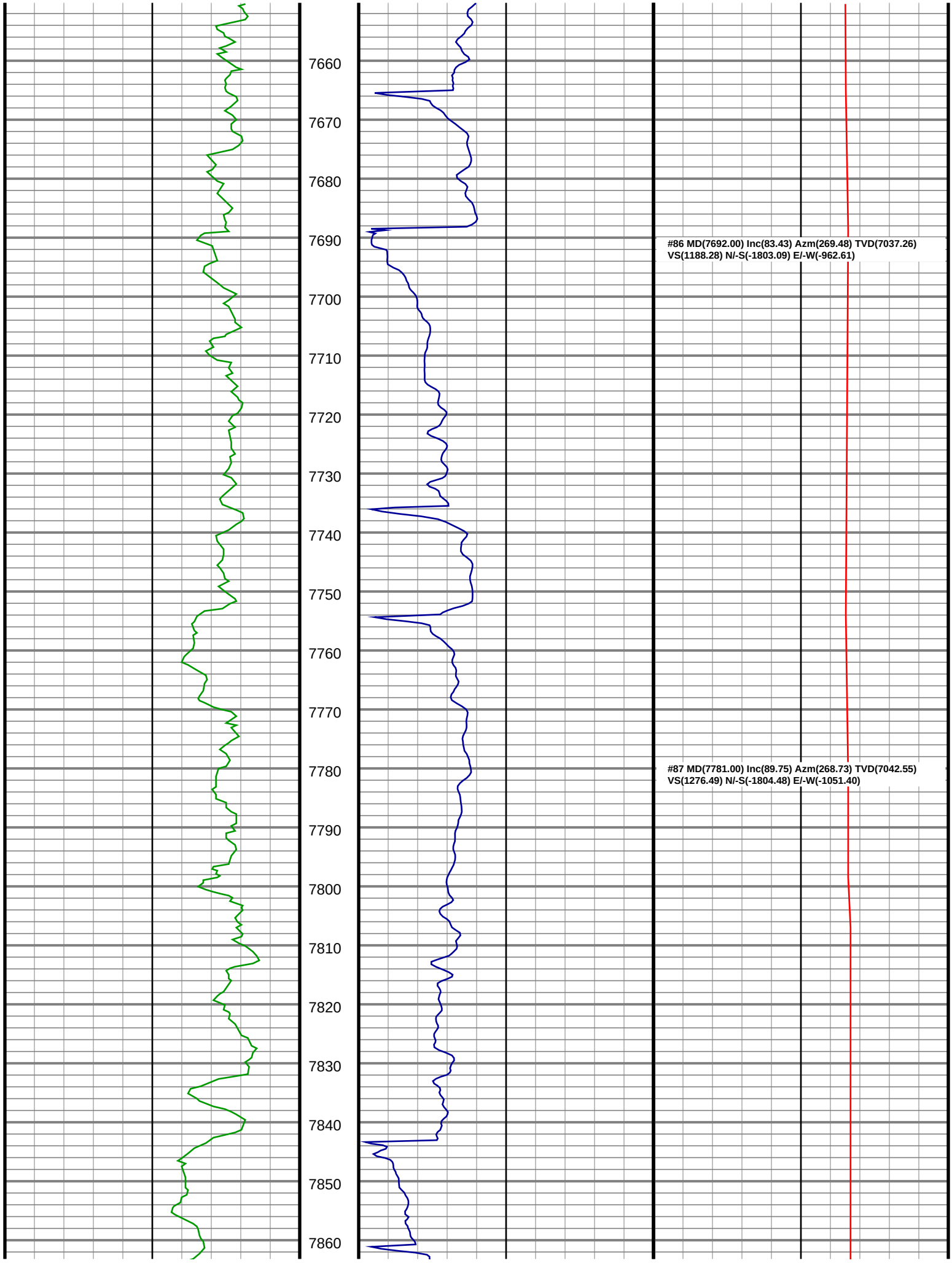
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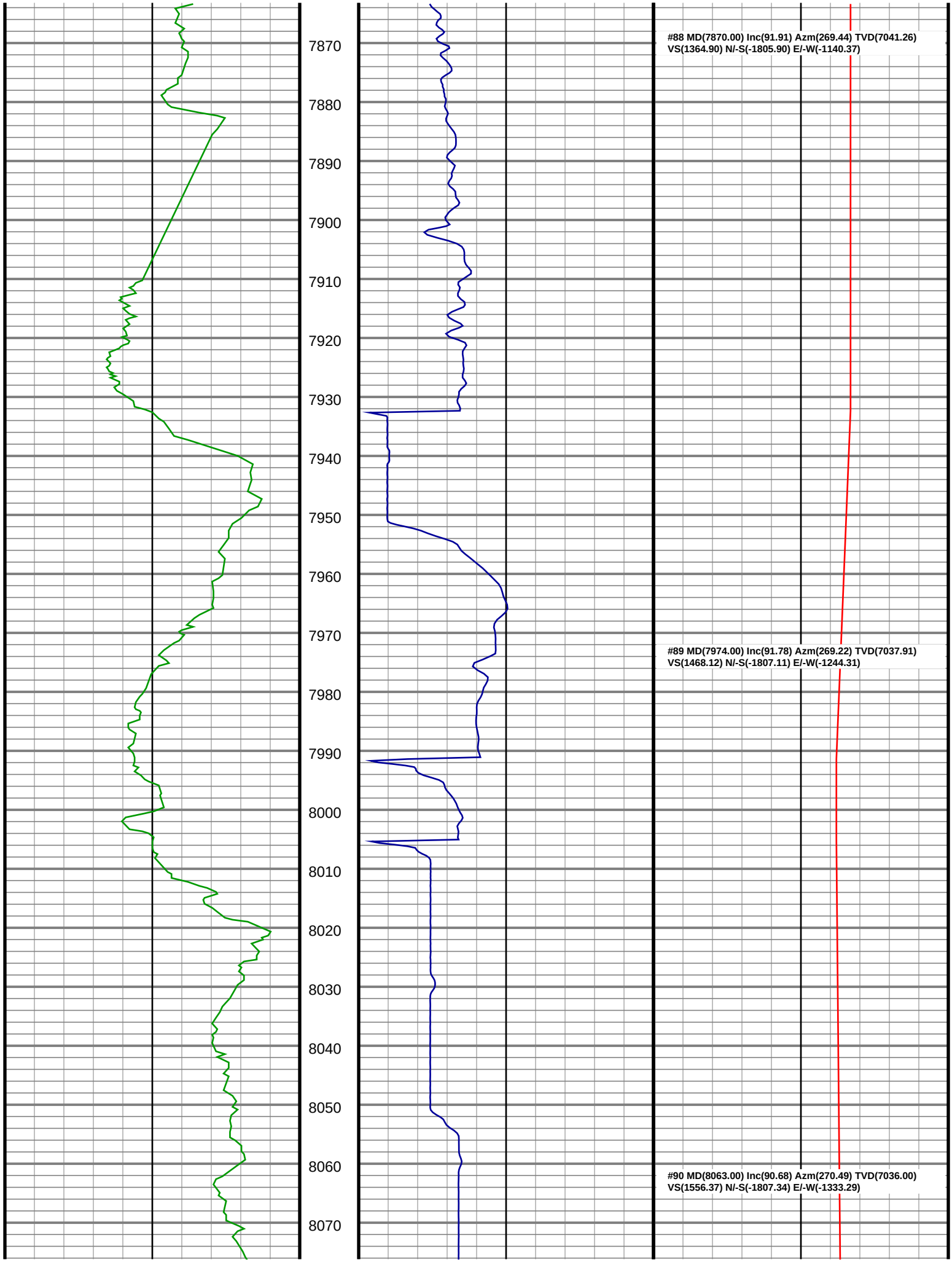
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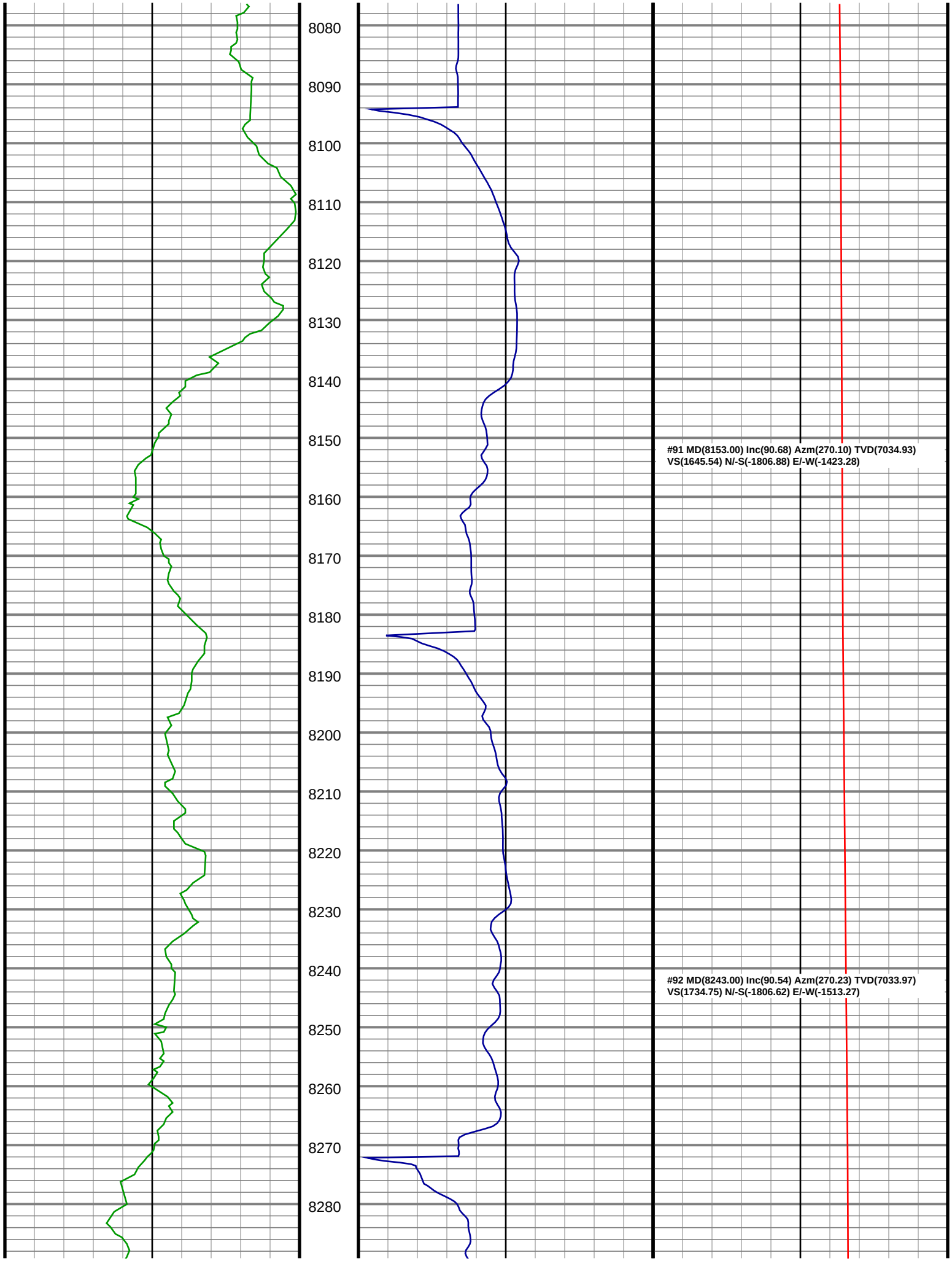
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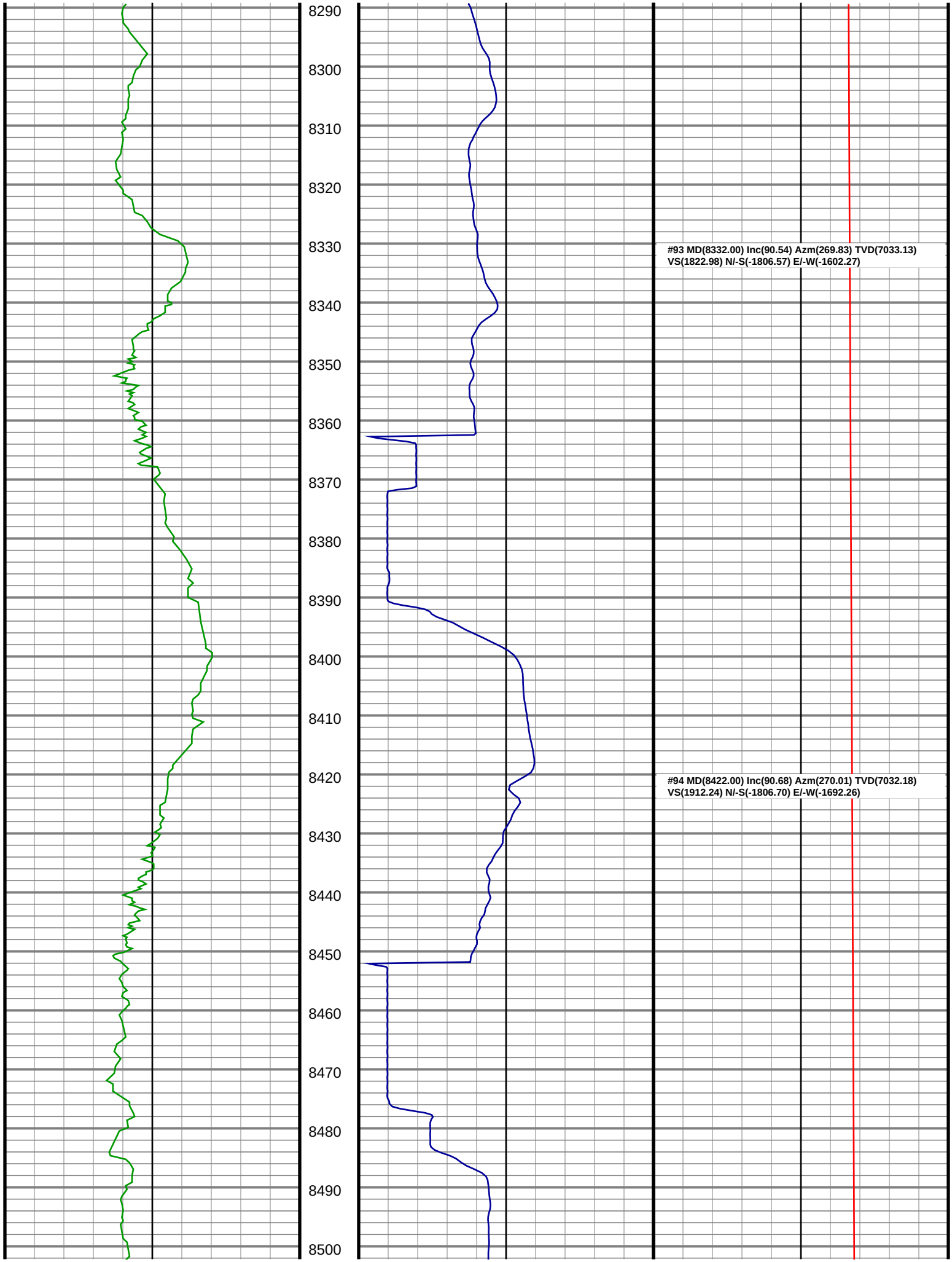
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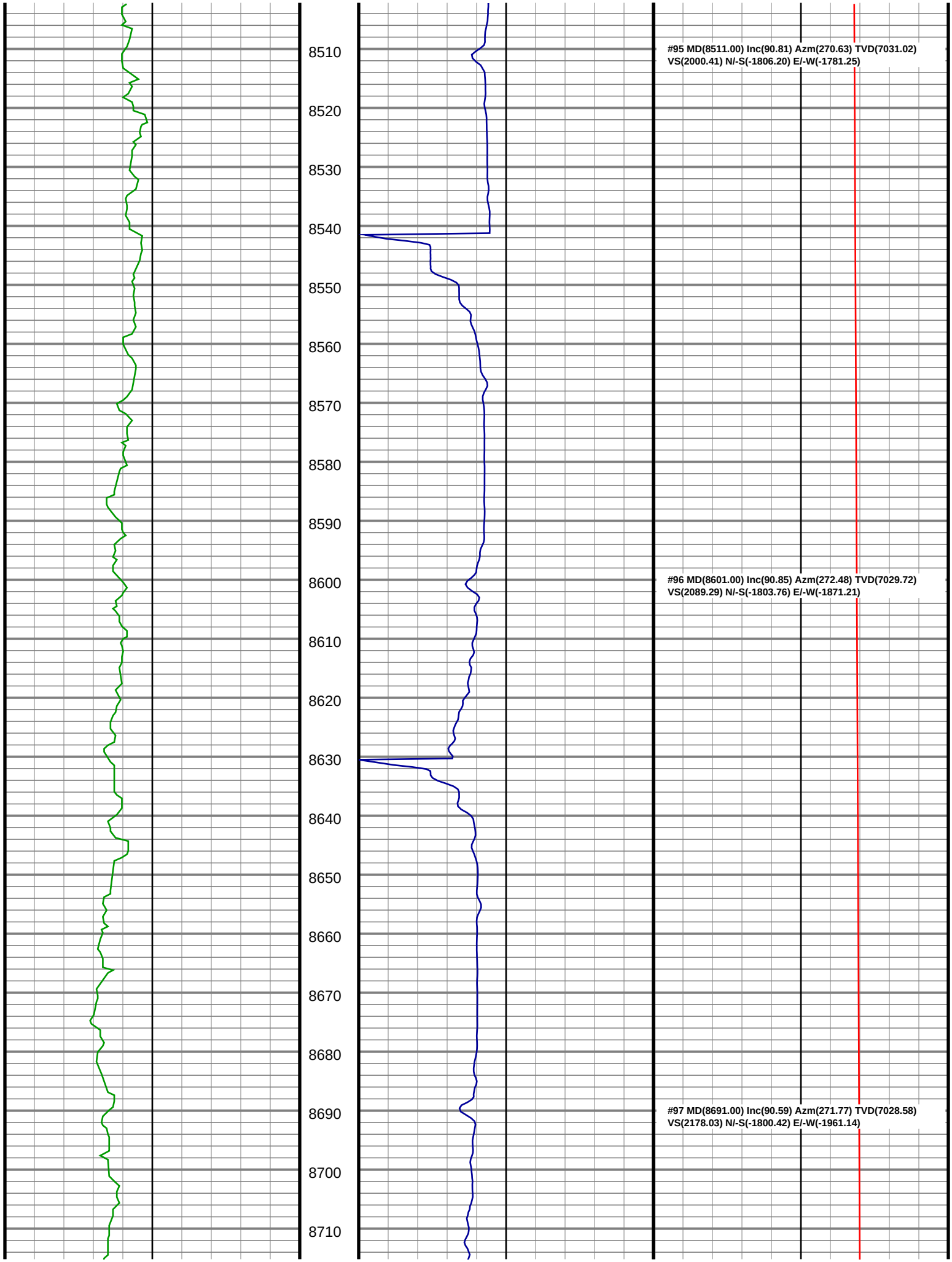
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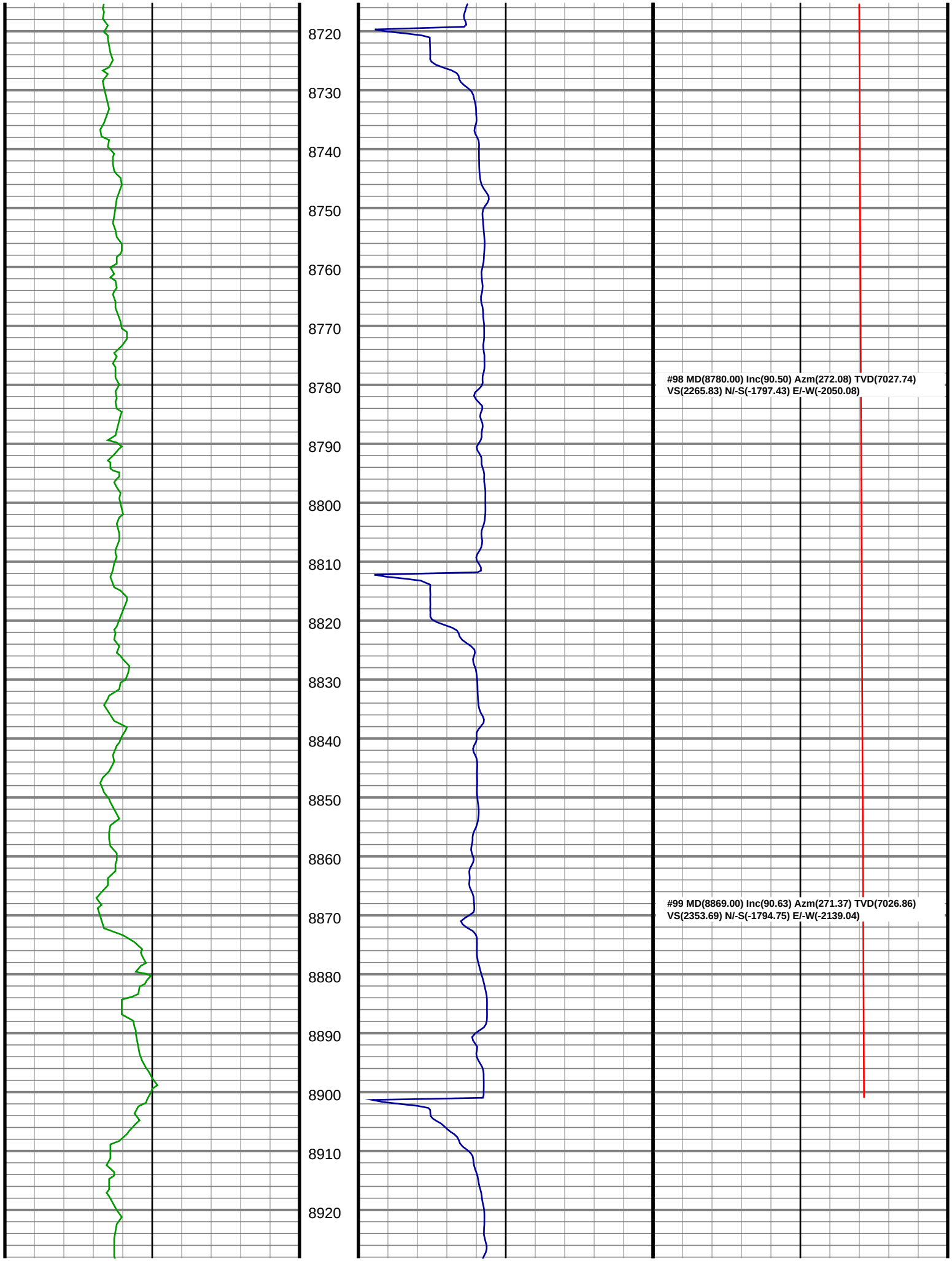
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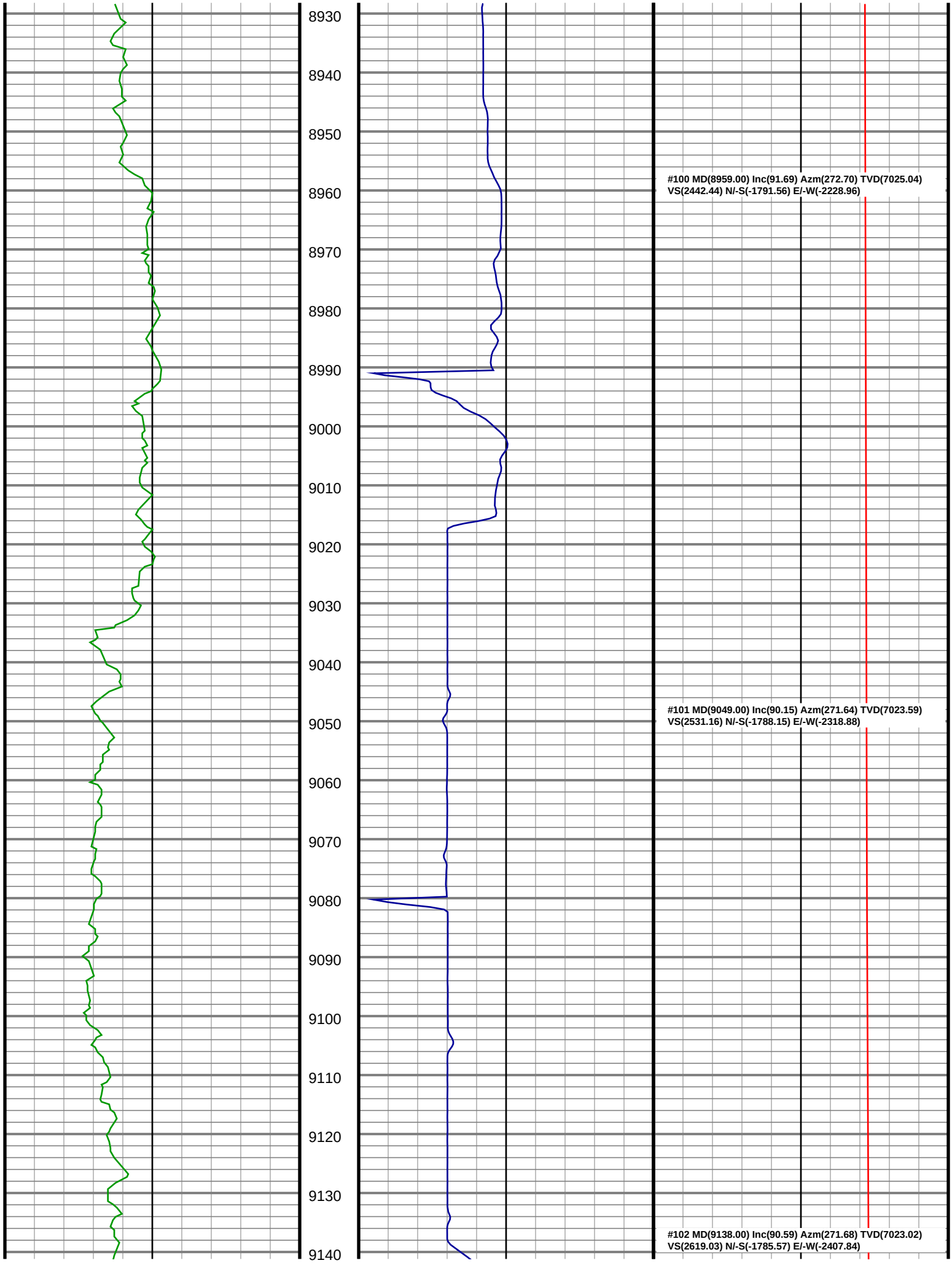
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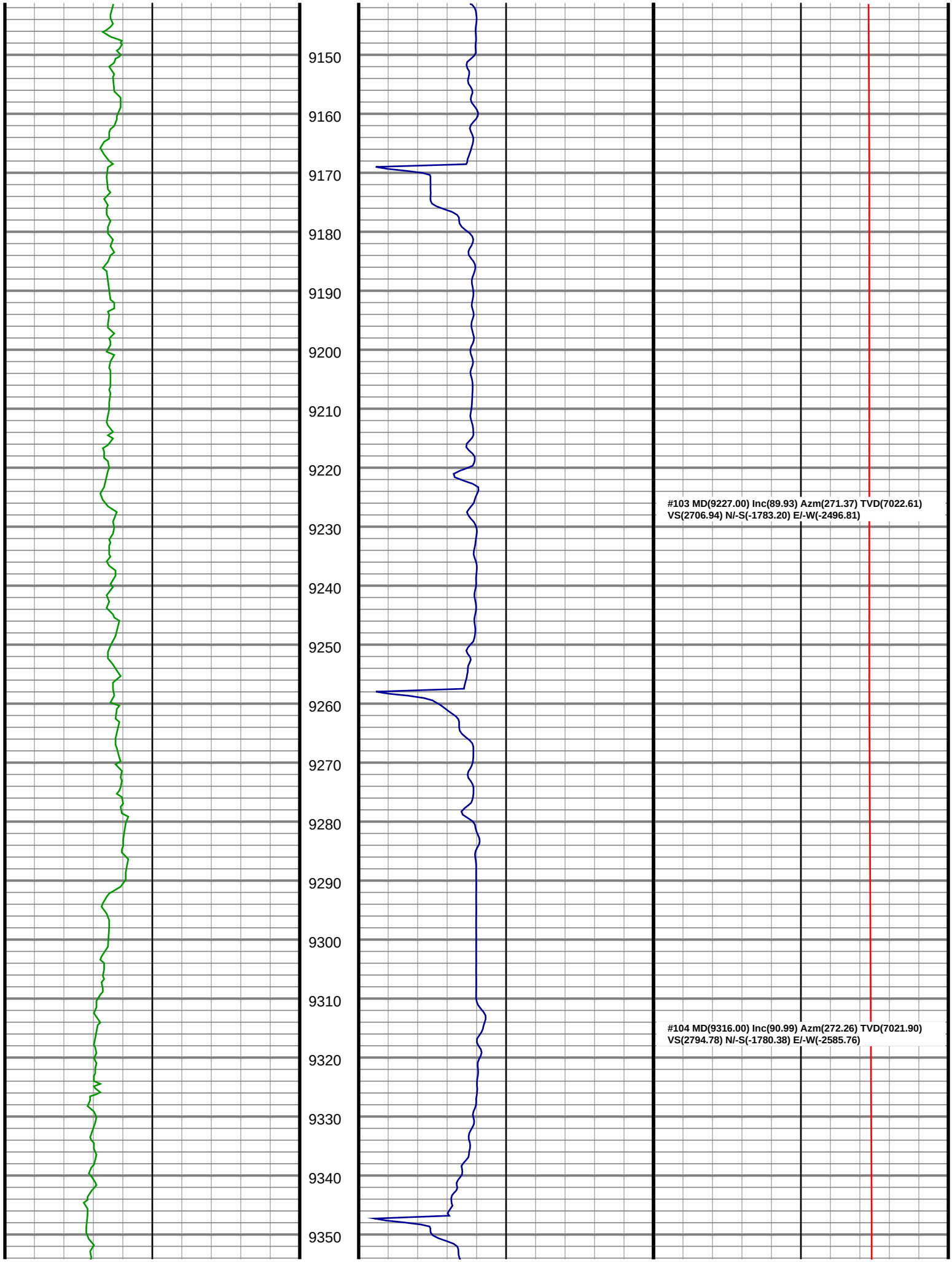
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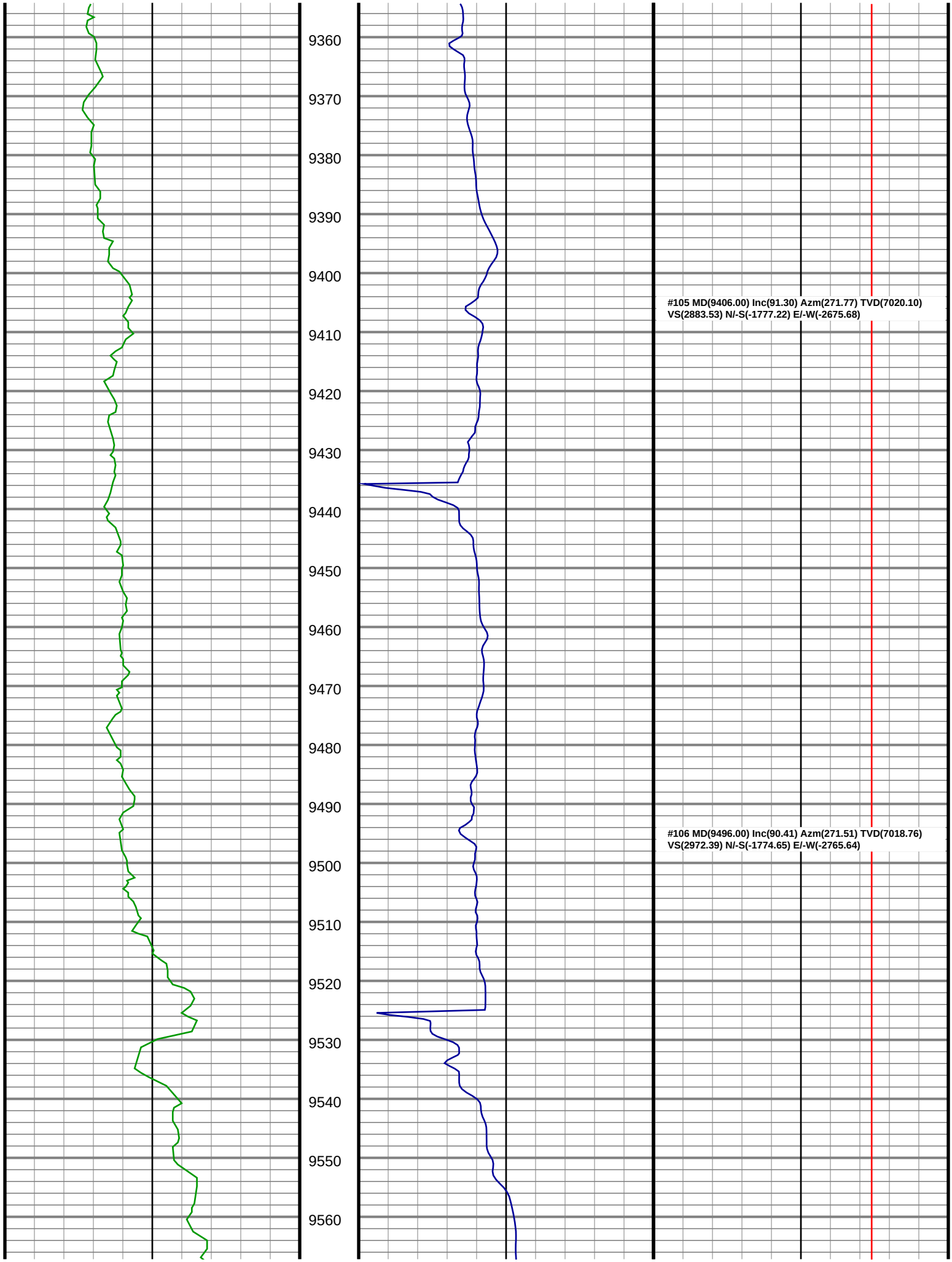
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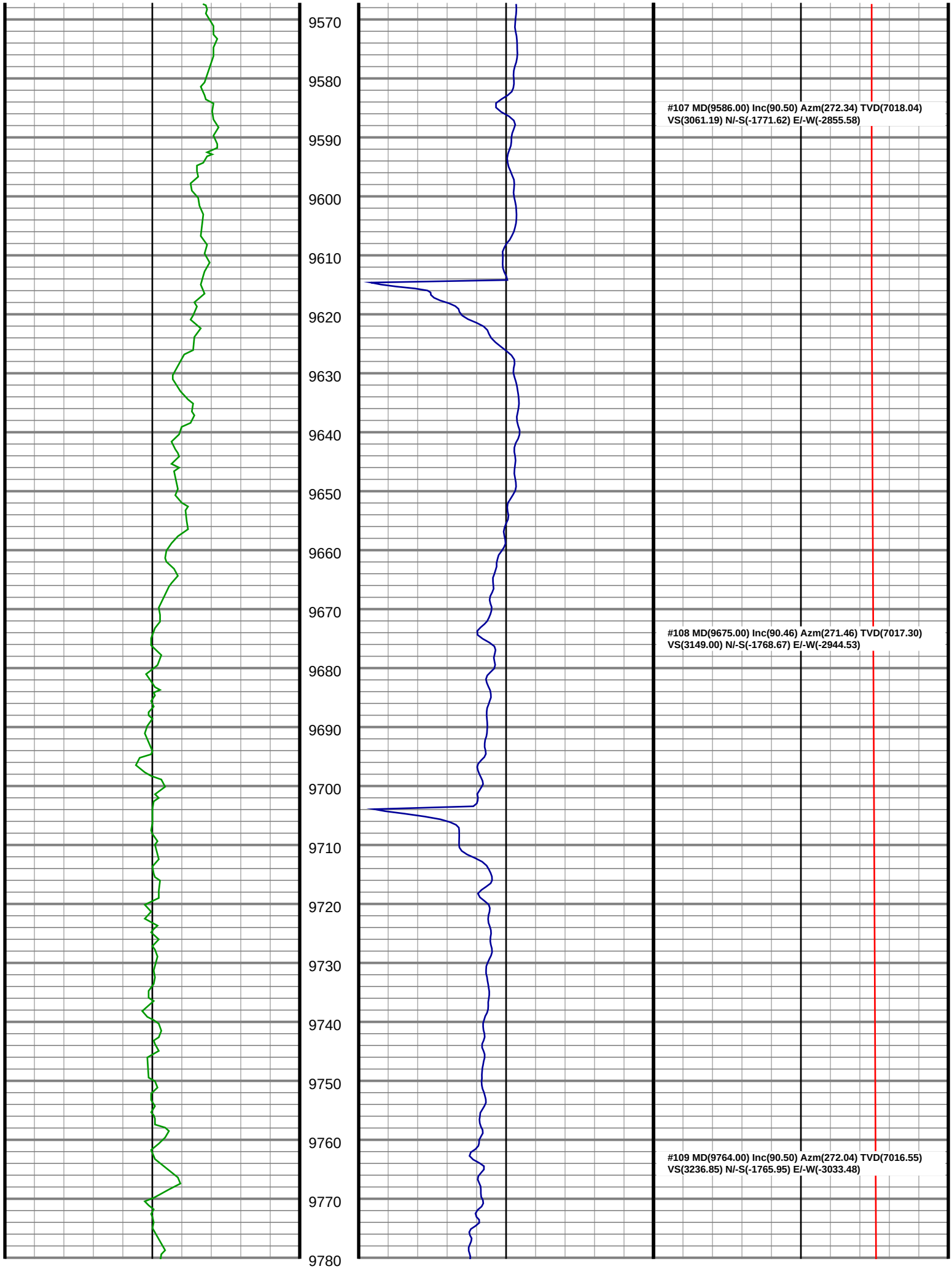
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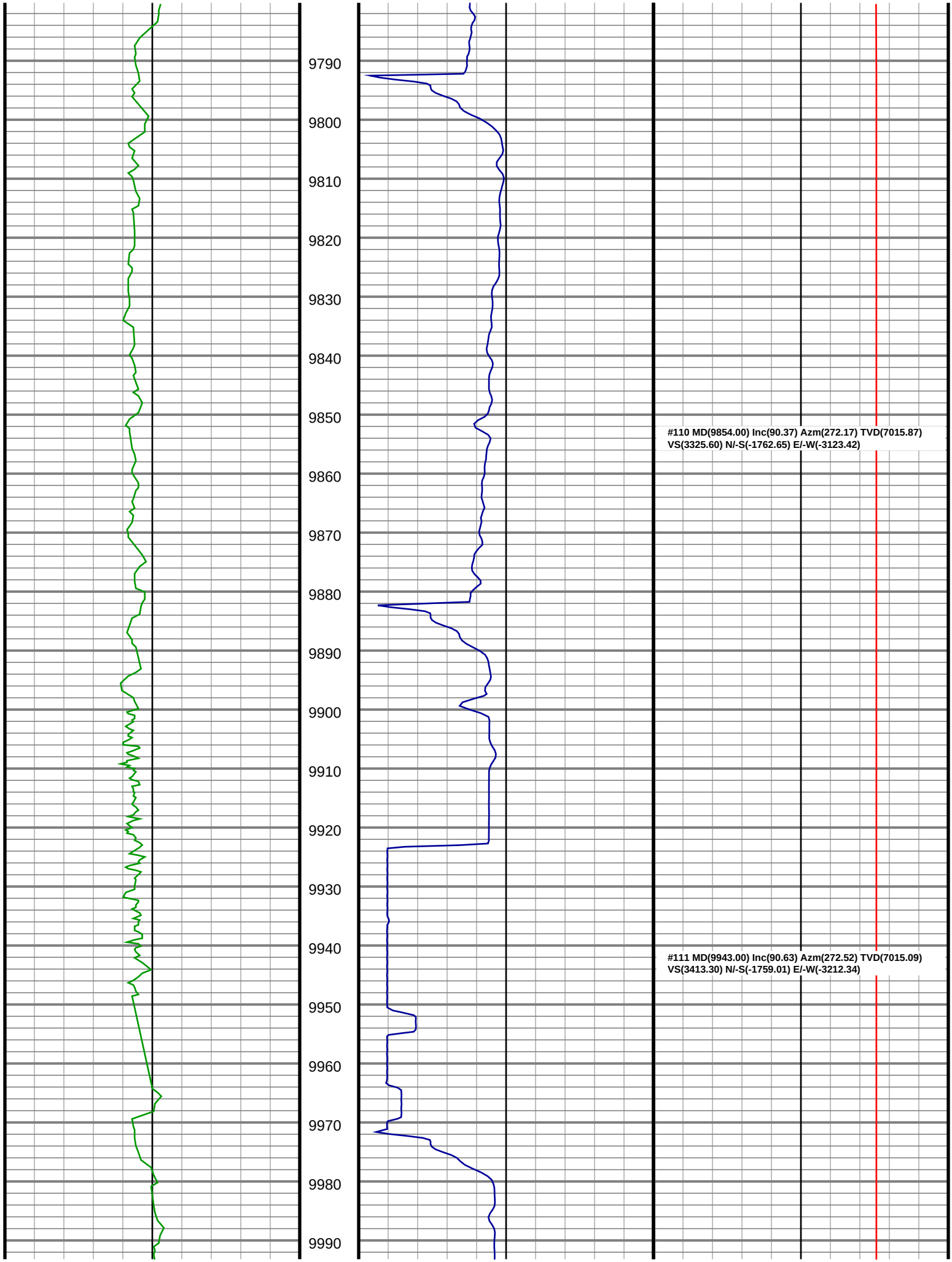
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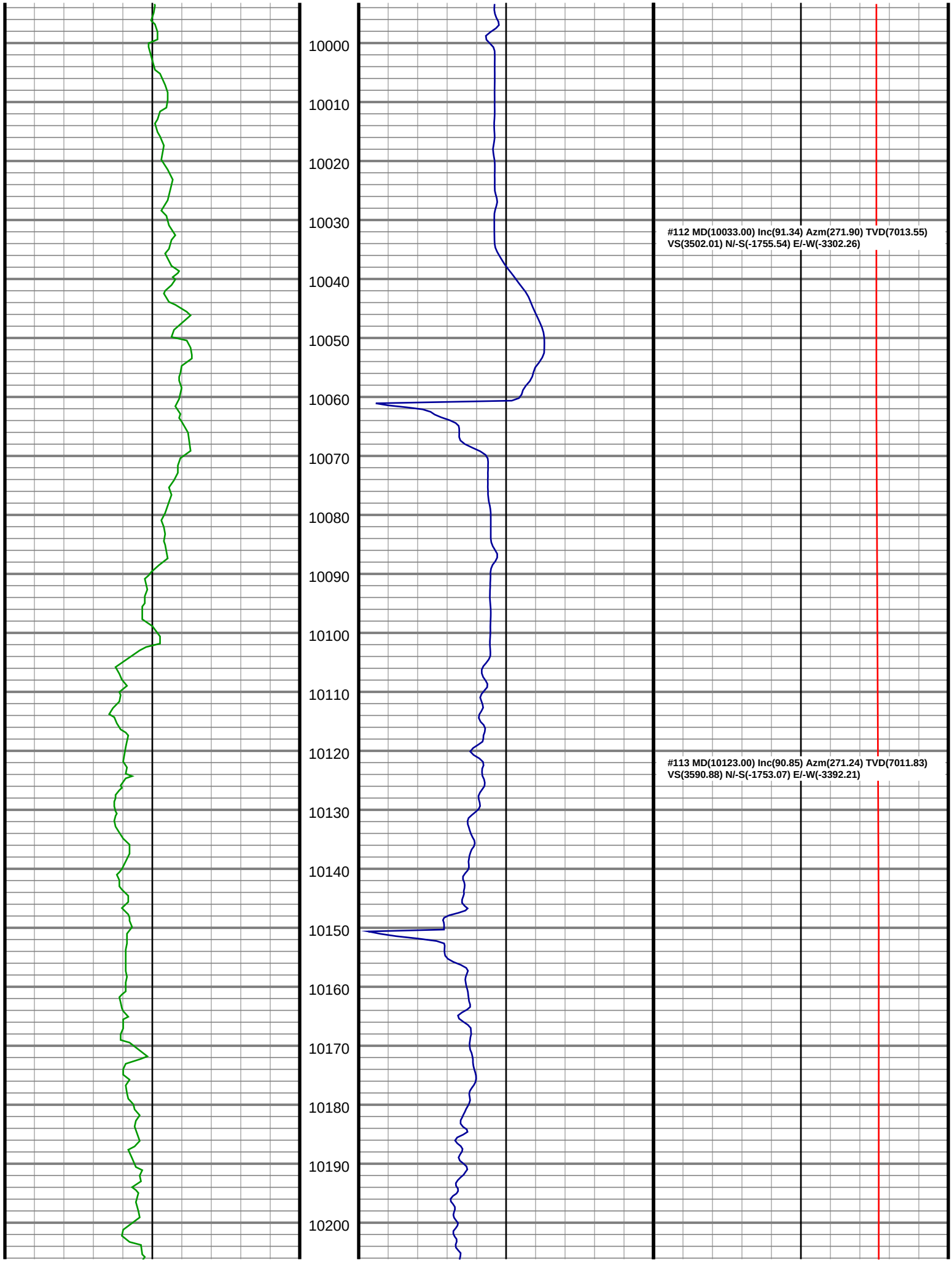
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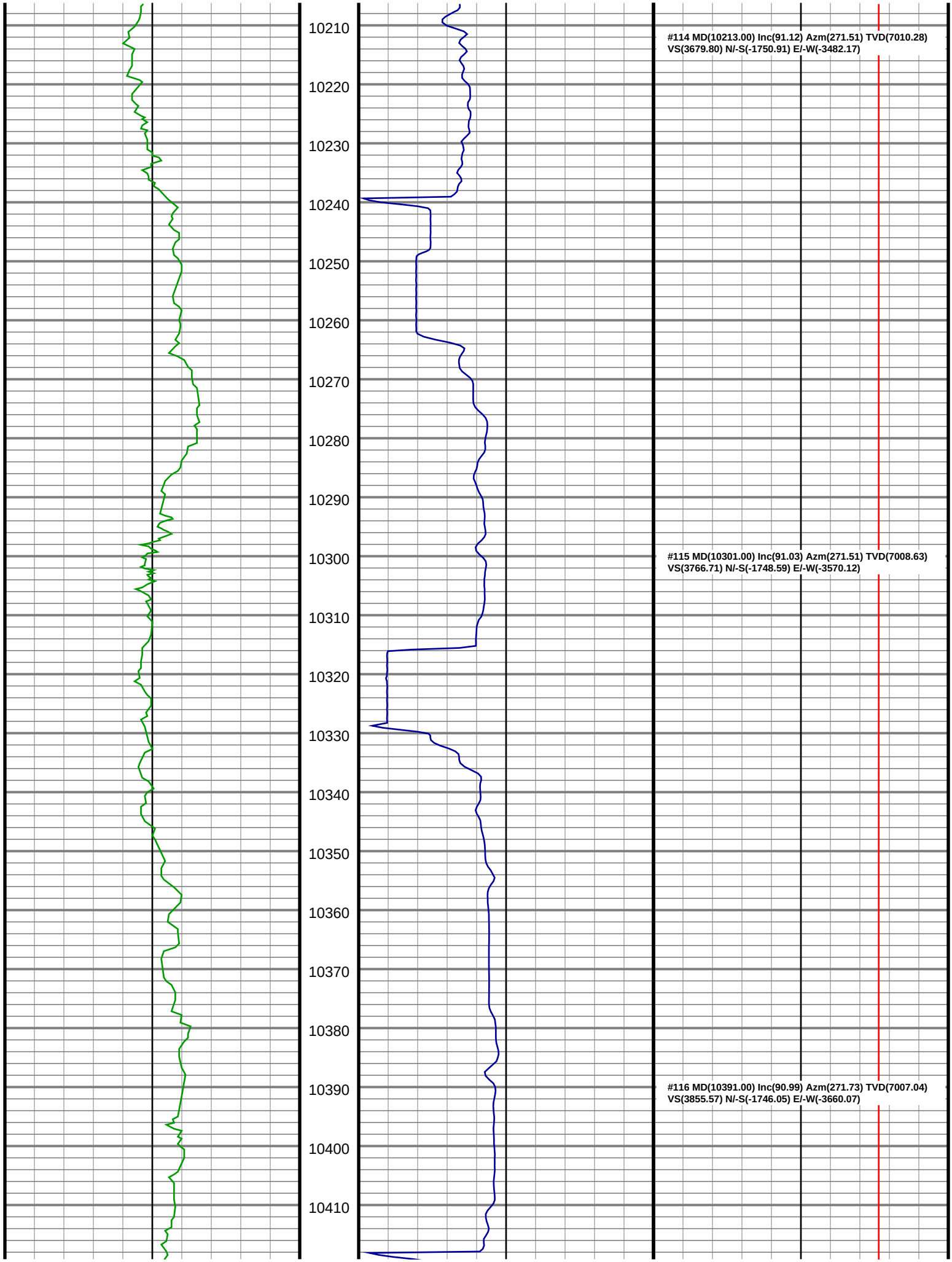
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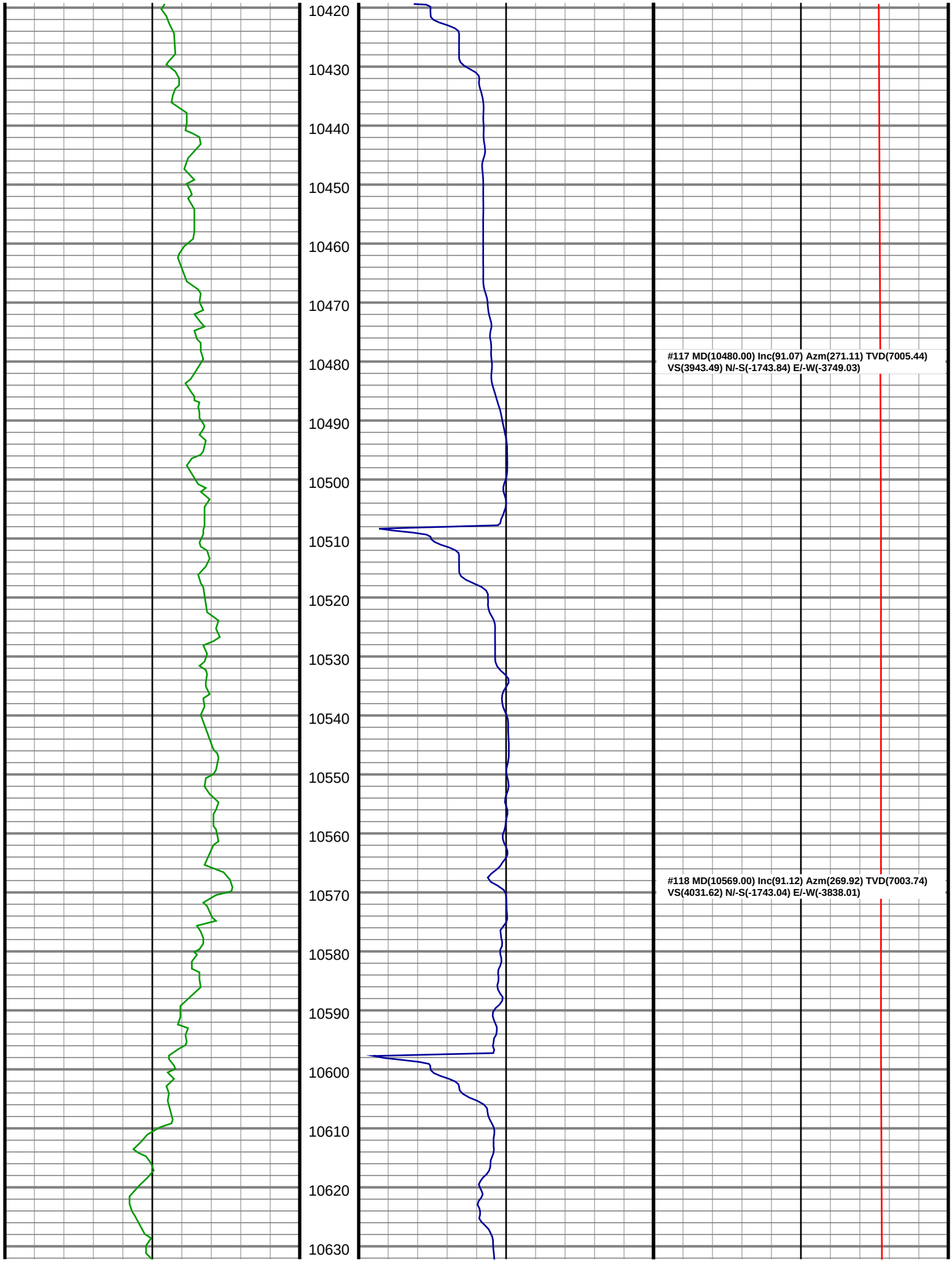
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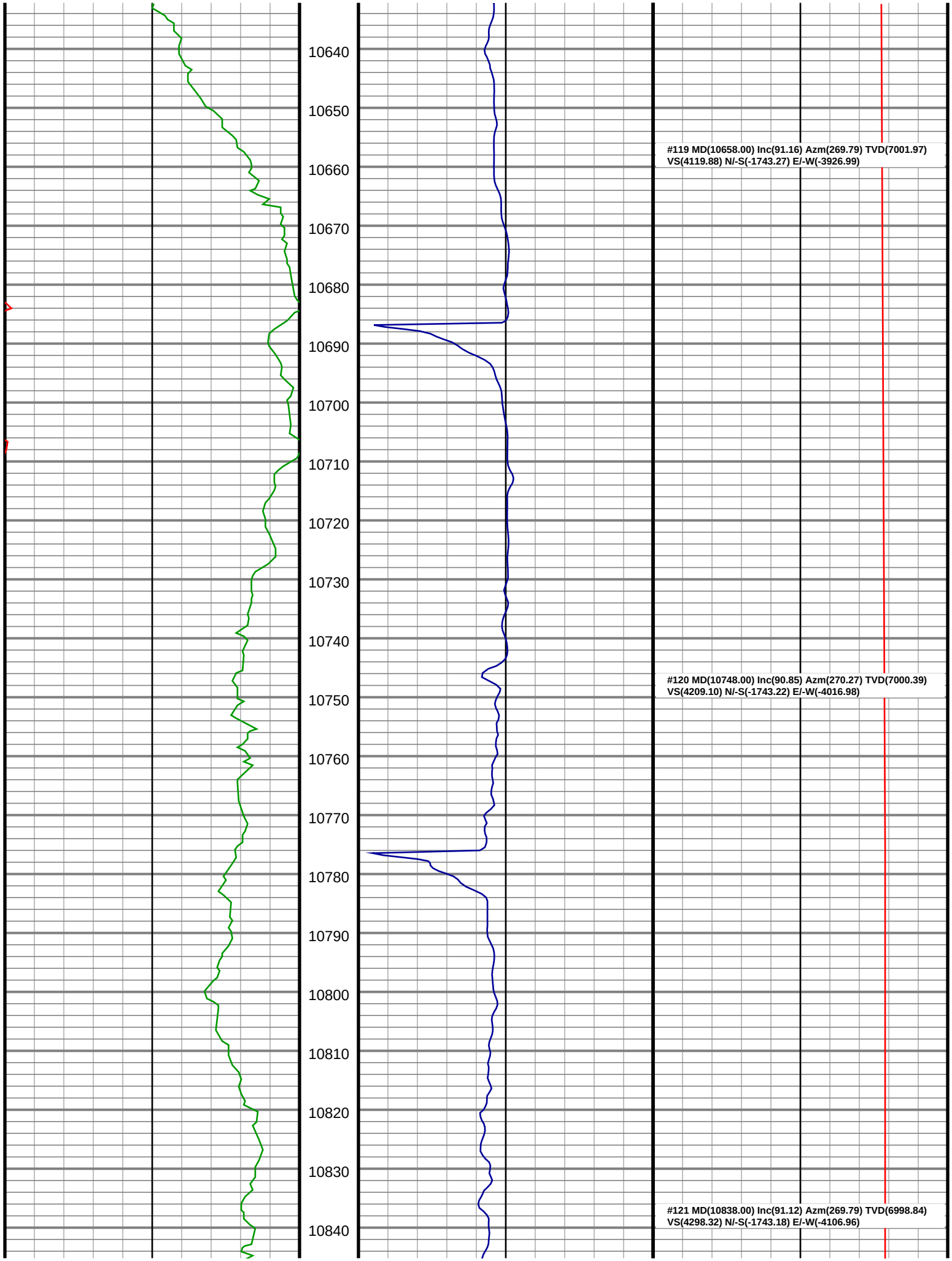
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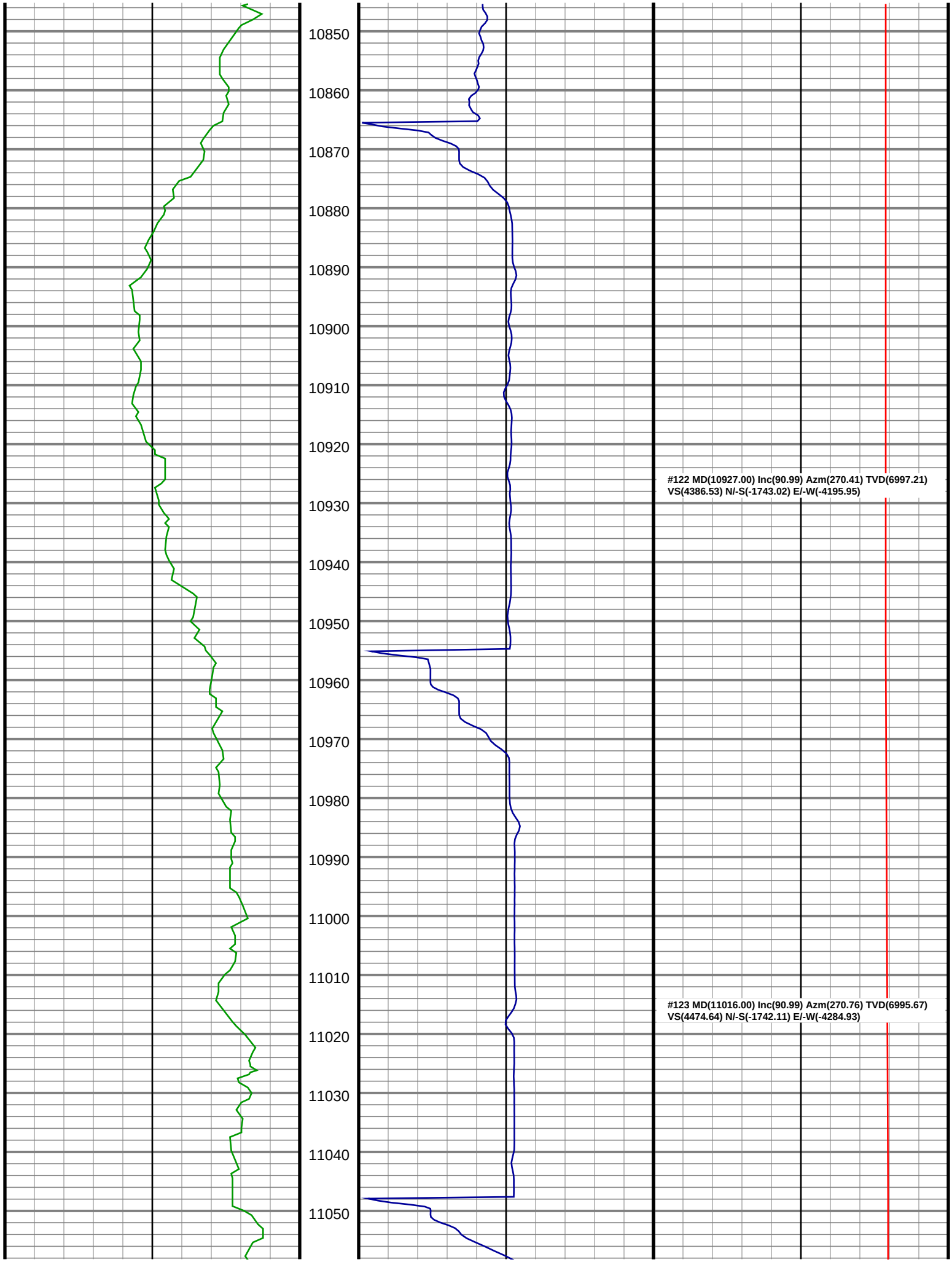
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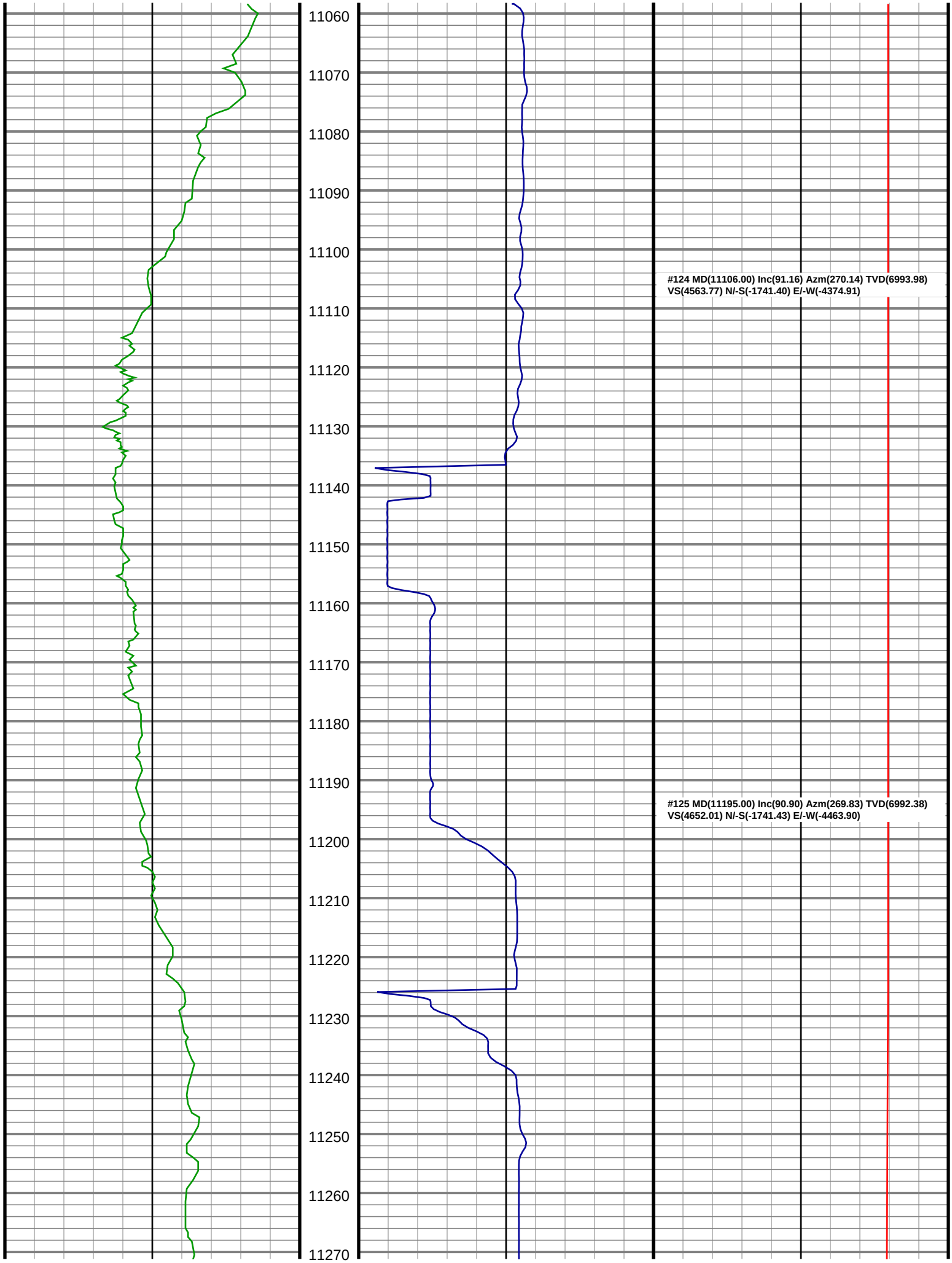
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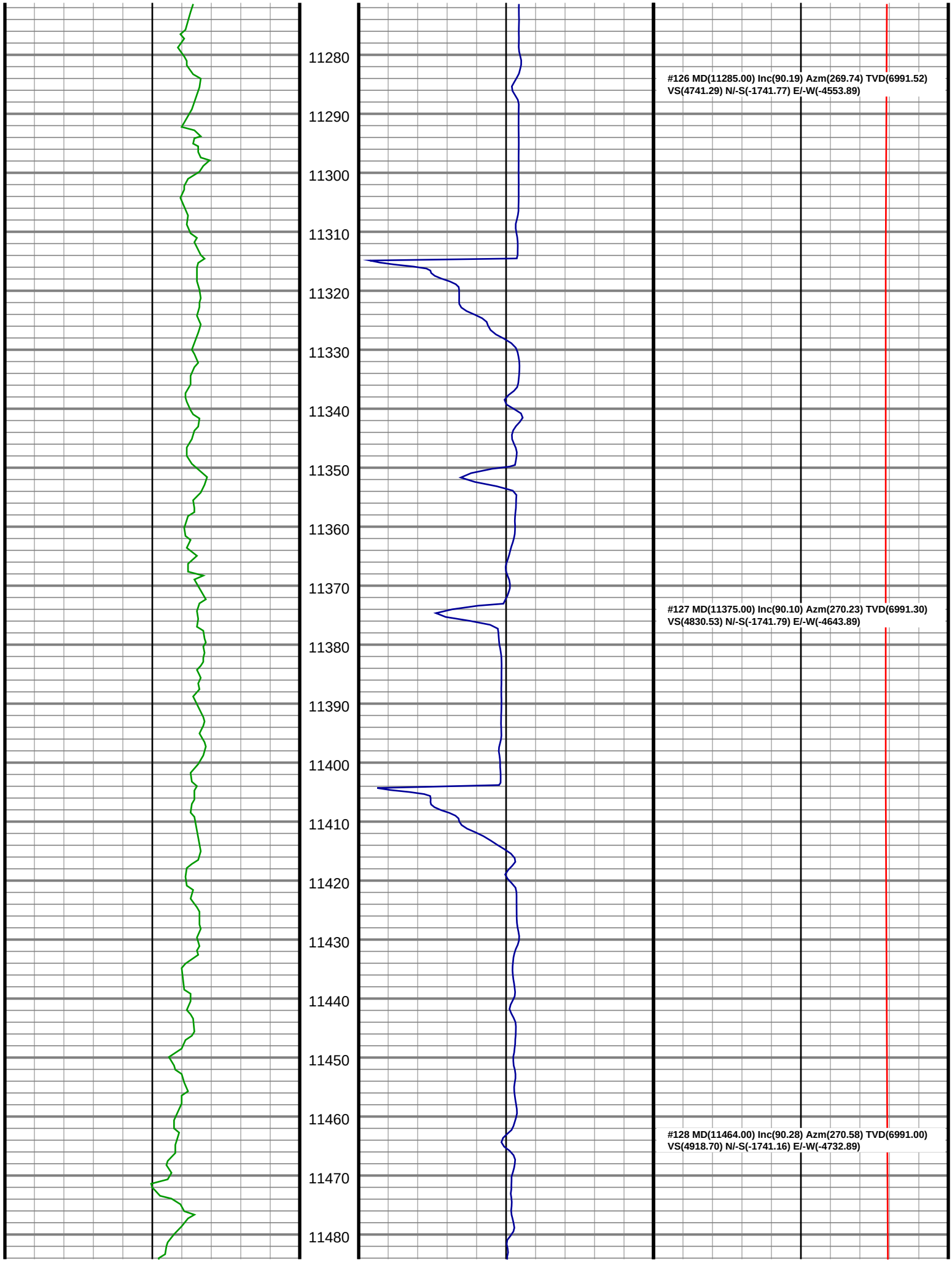
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VS(4830.53) N/-S(-1741.79) E/-W(-4643.89)
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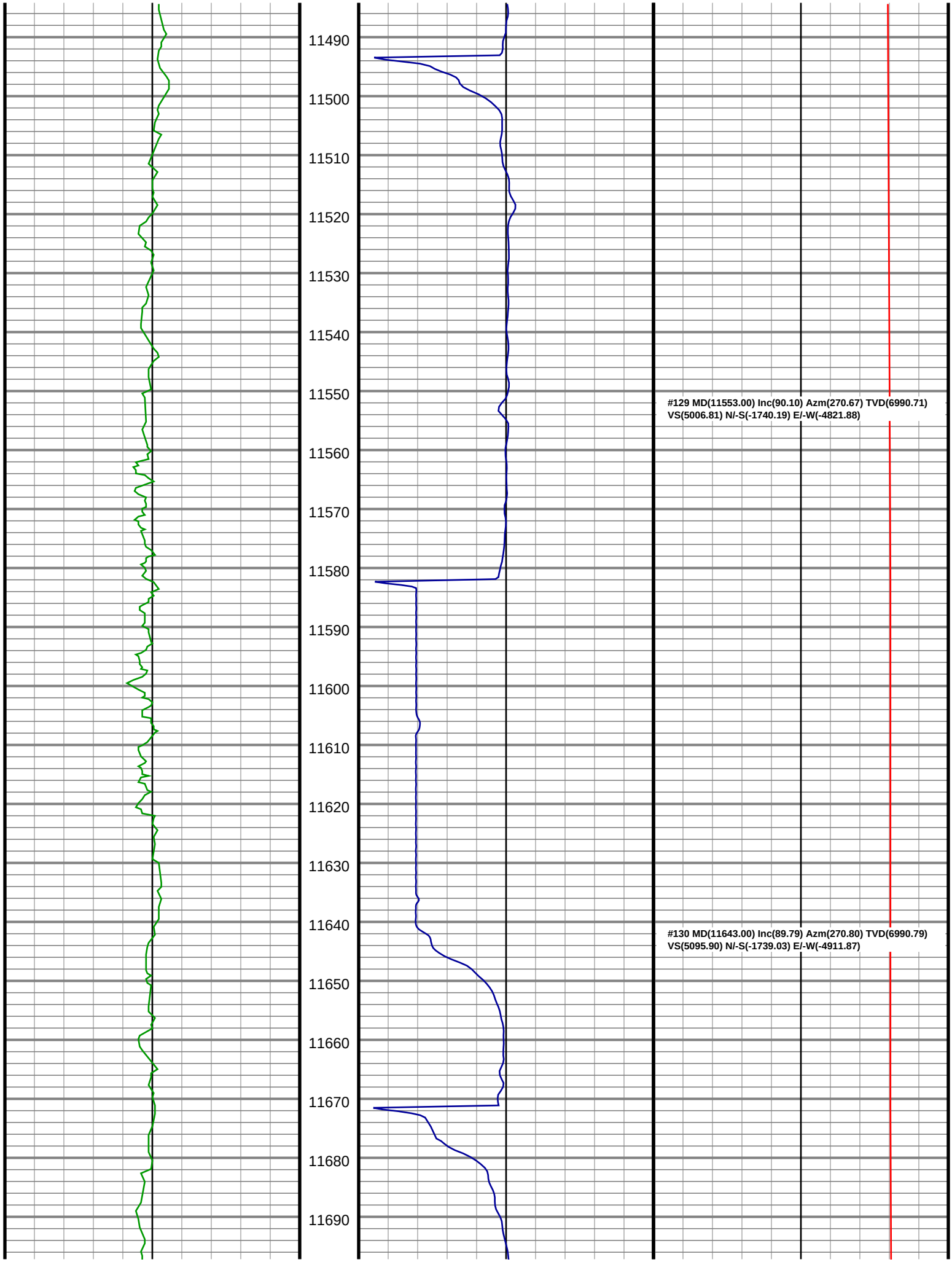
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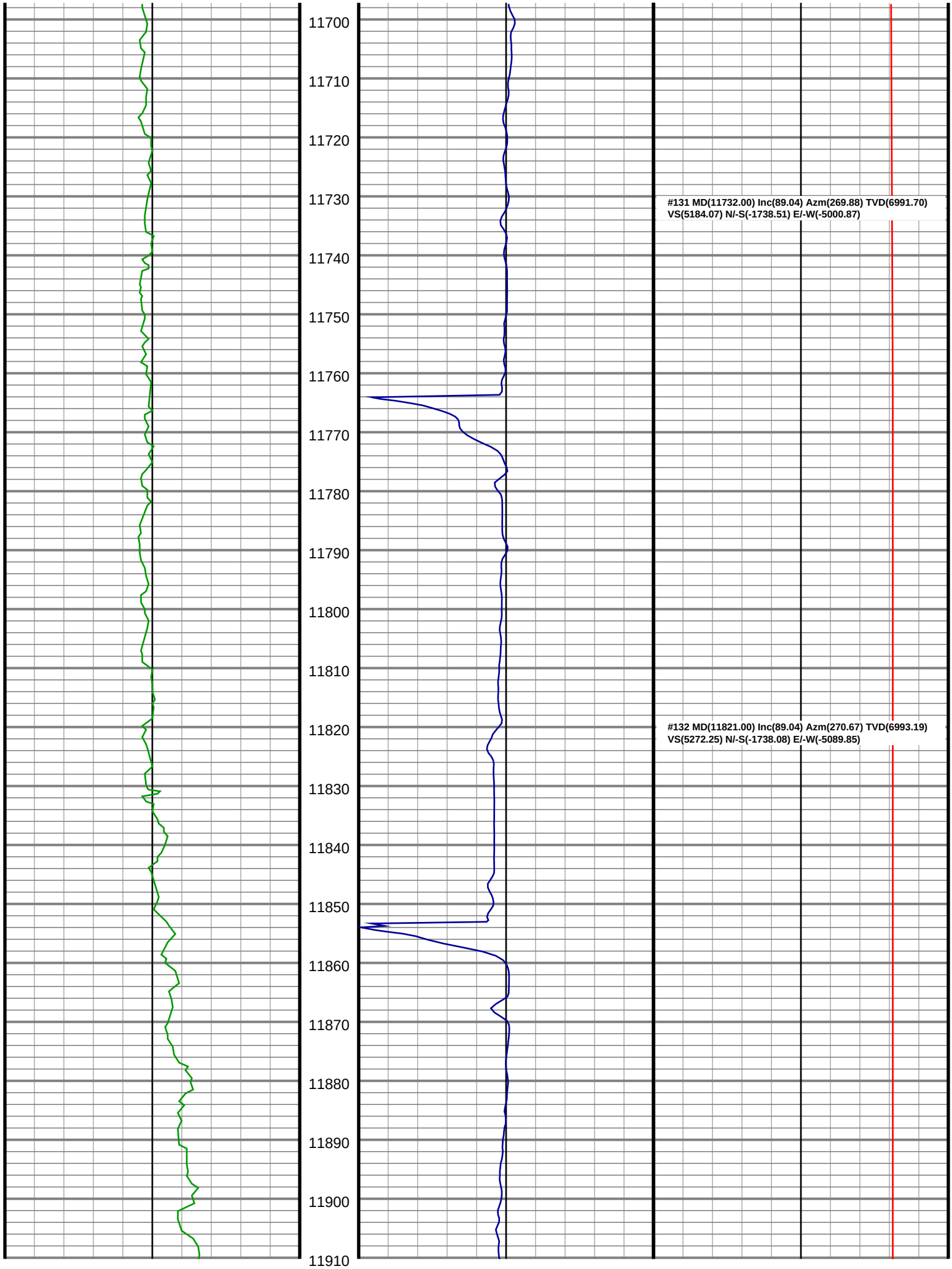
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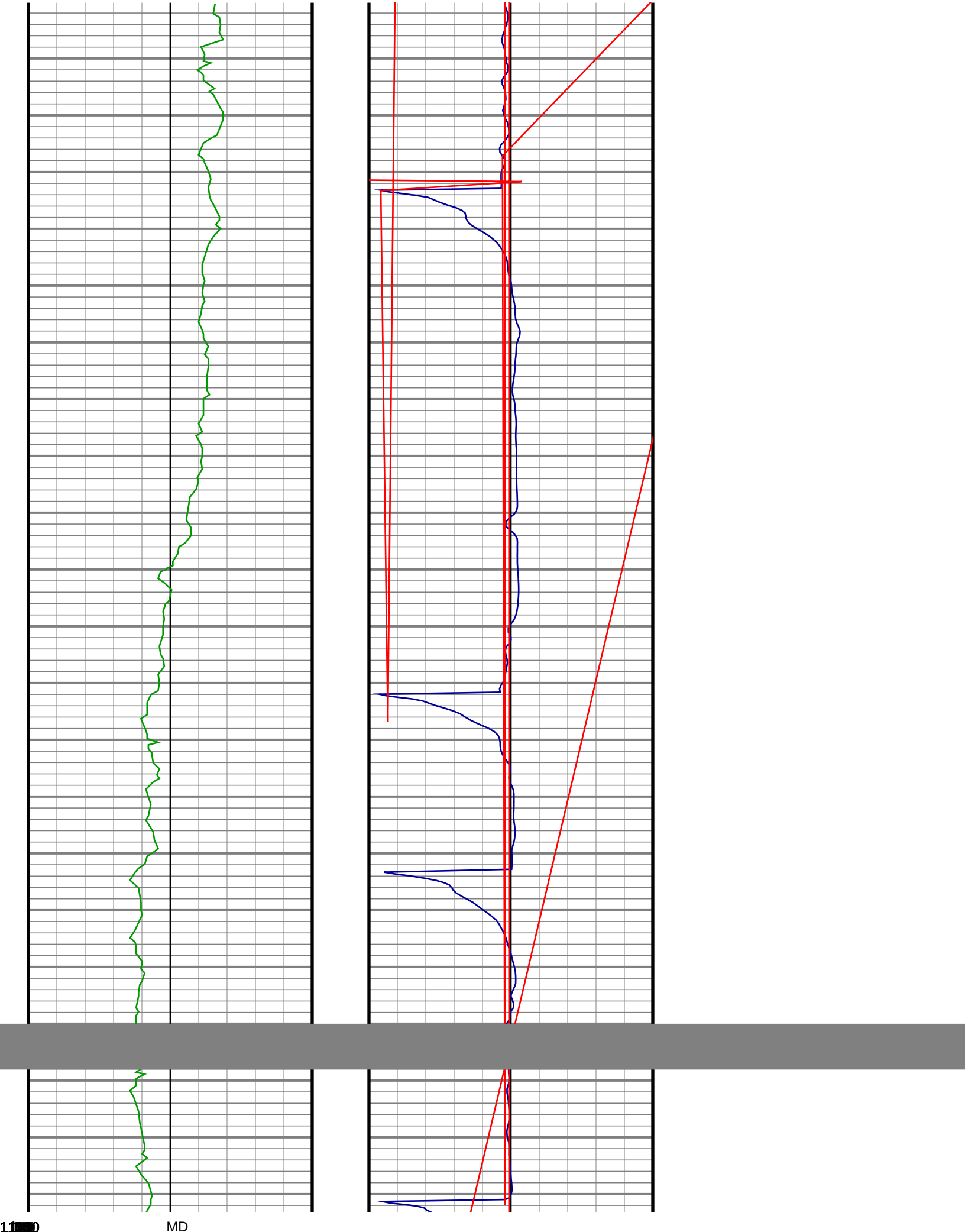
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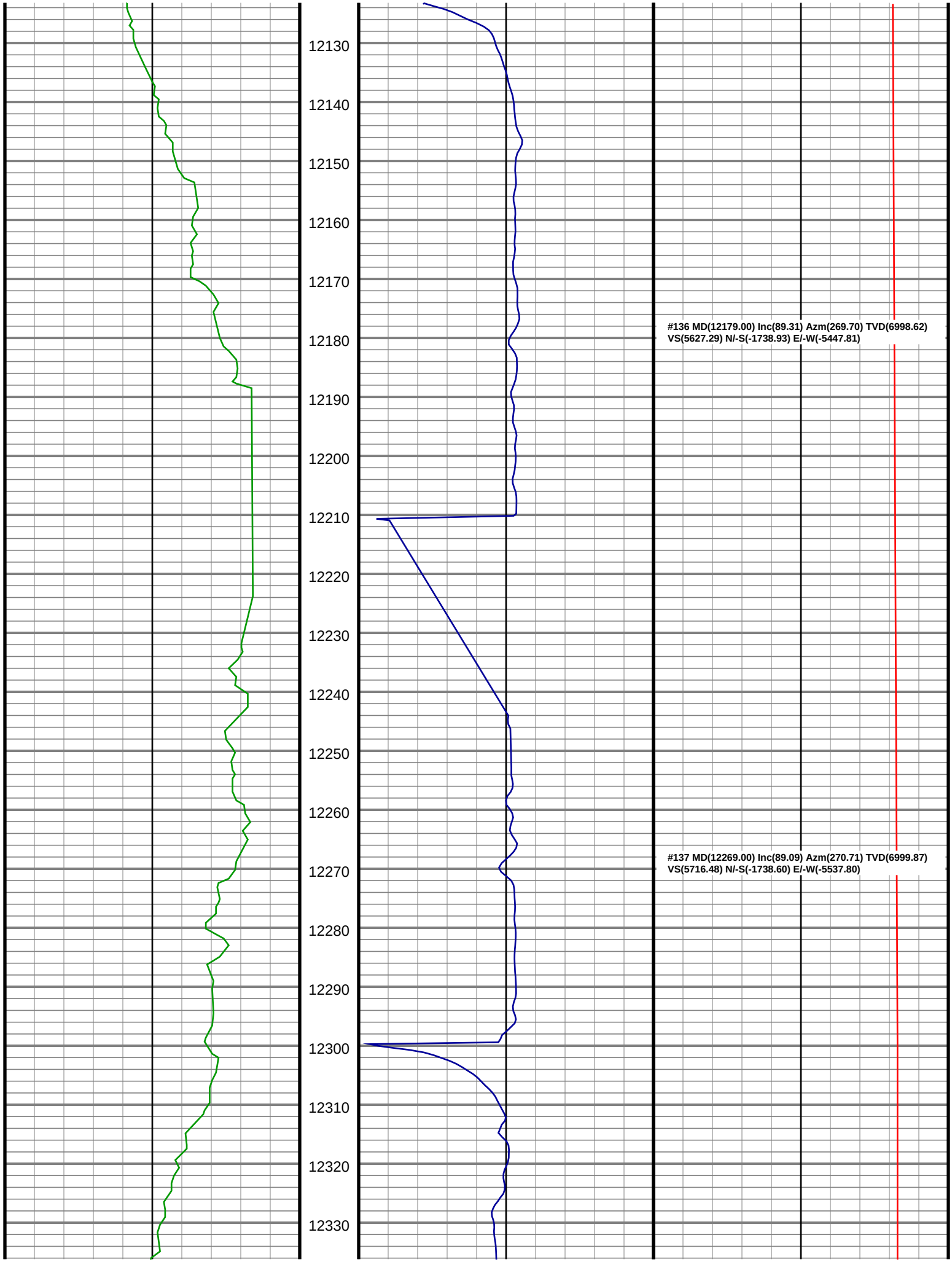
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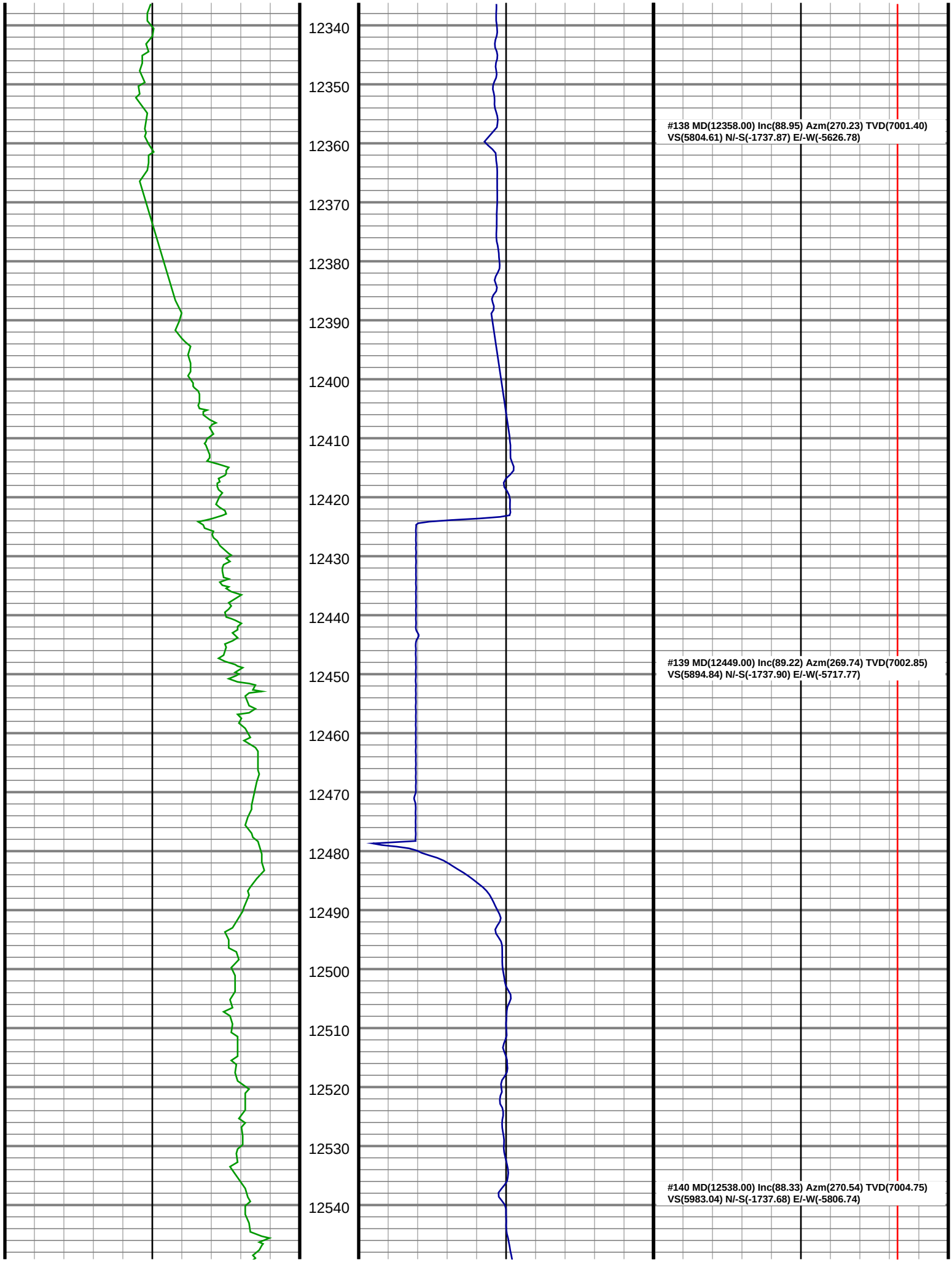
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VS(5894.84) N/-S(-1737.90) E/-W(-5717.77)
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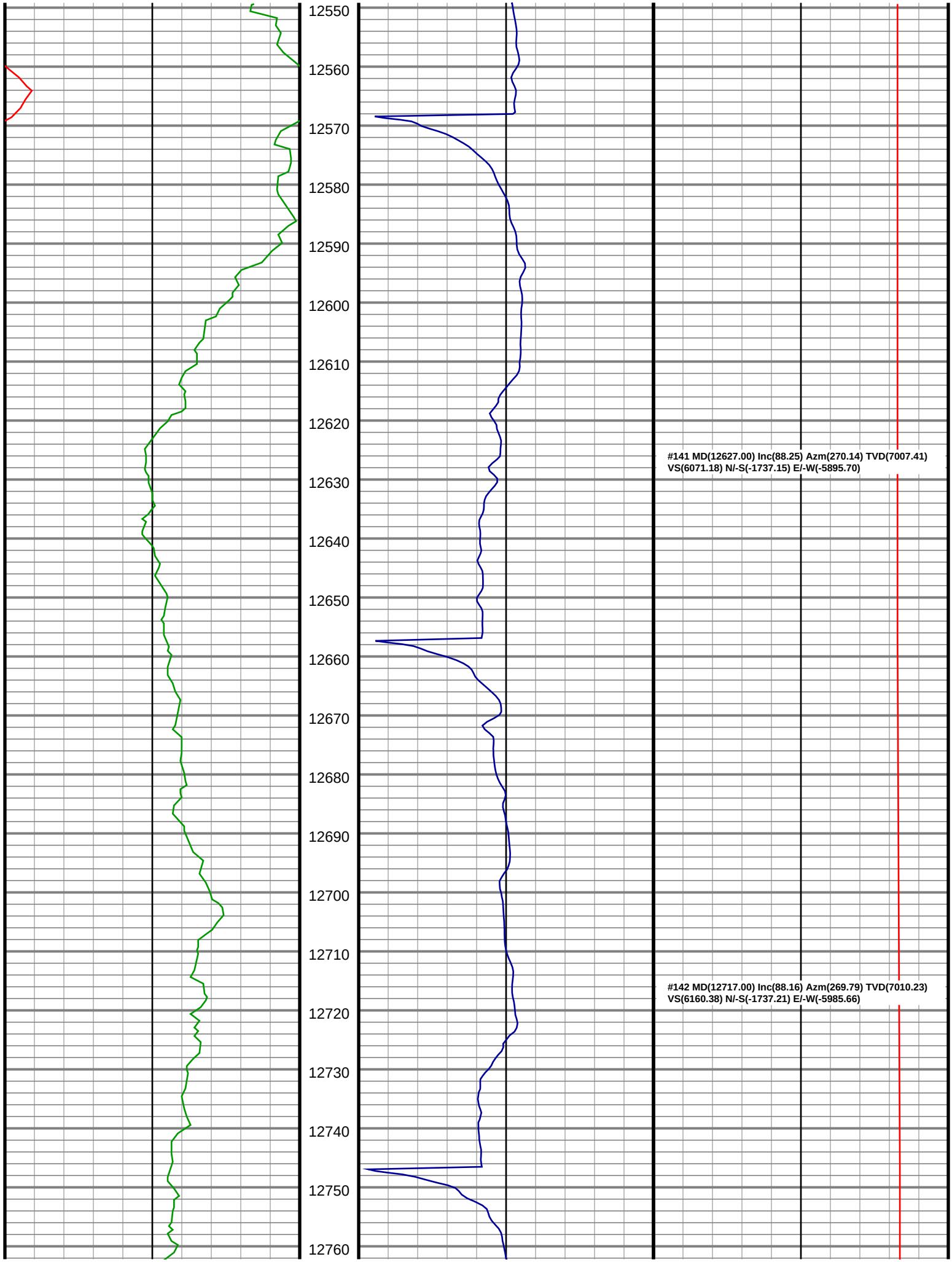
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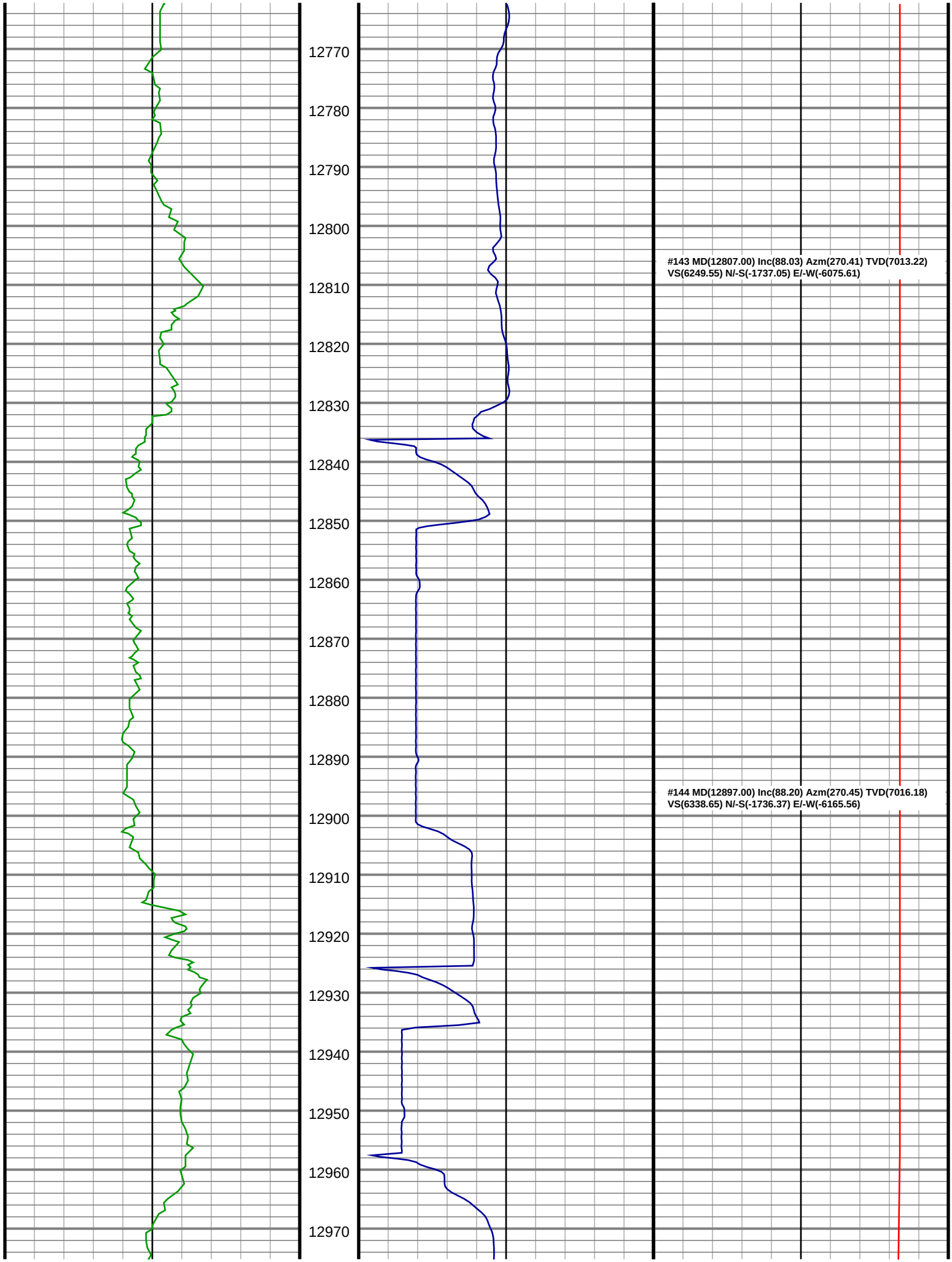
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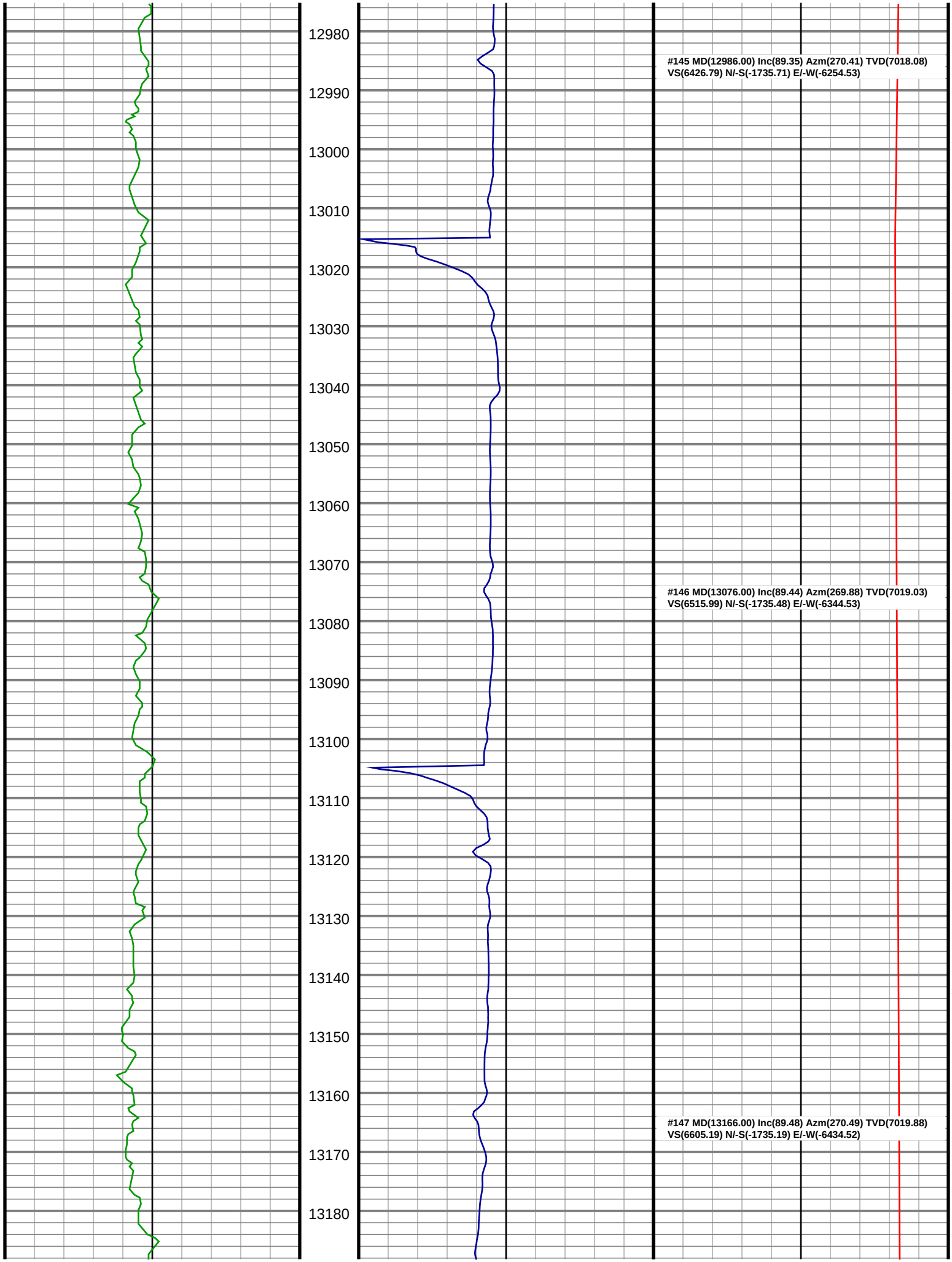
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VS(6426.79) N/-S(-1735.71) E/-W(-6254.53)
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VS(6515.99) N/-S(-1735.48) E/-W(-6344.53)
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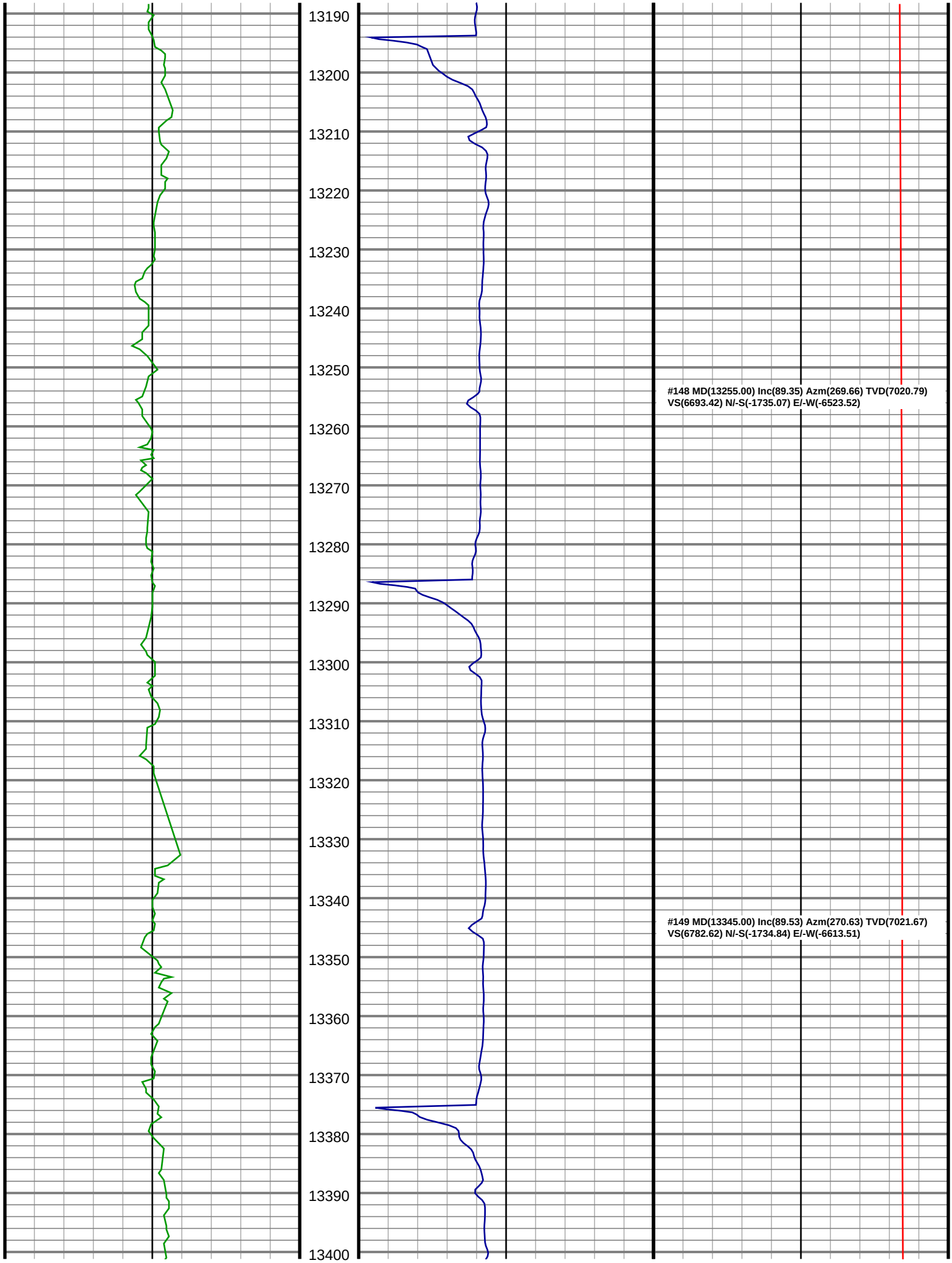
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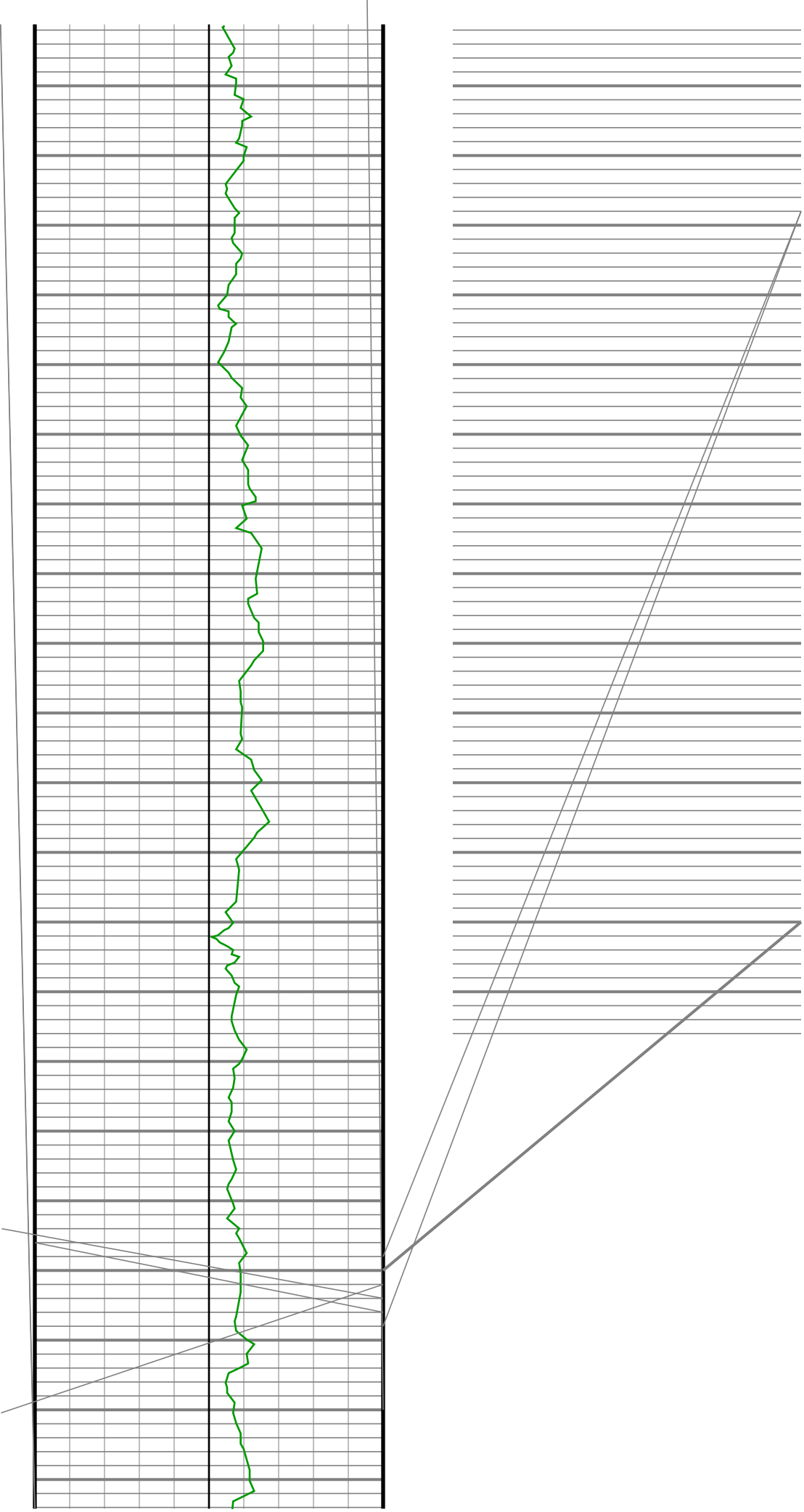

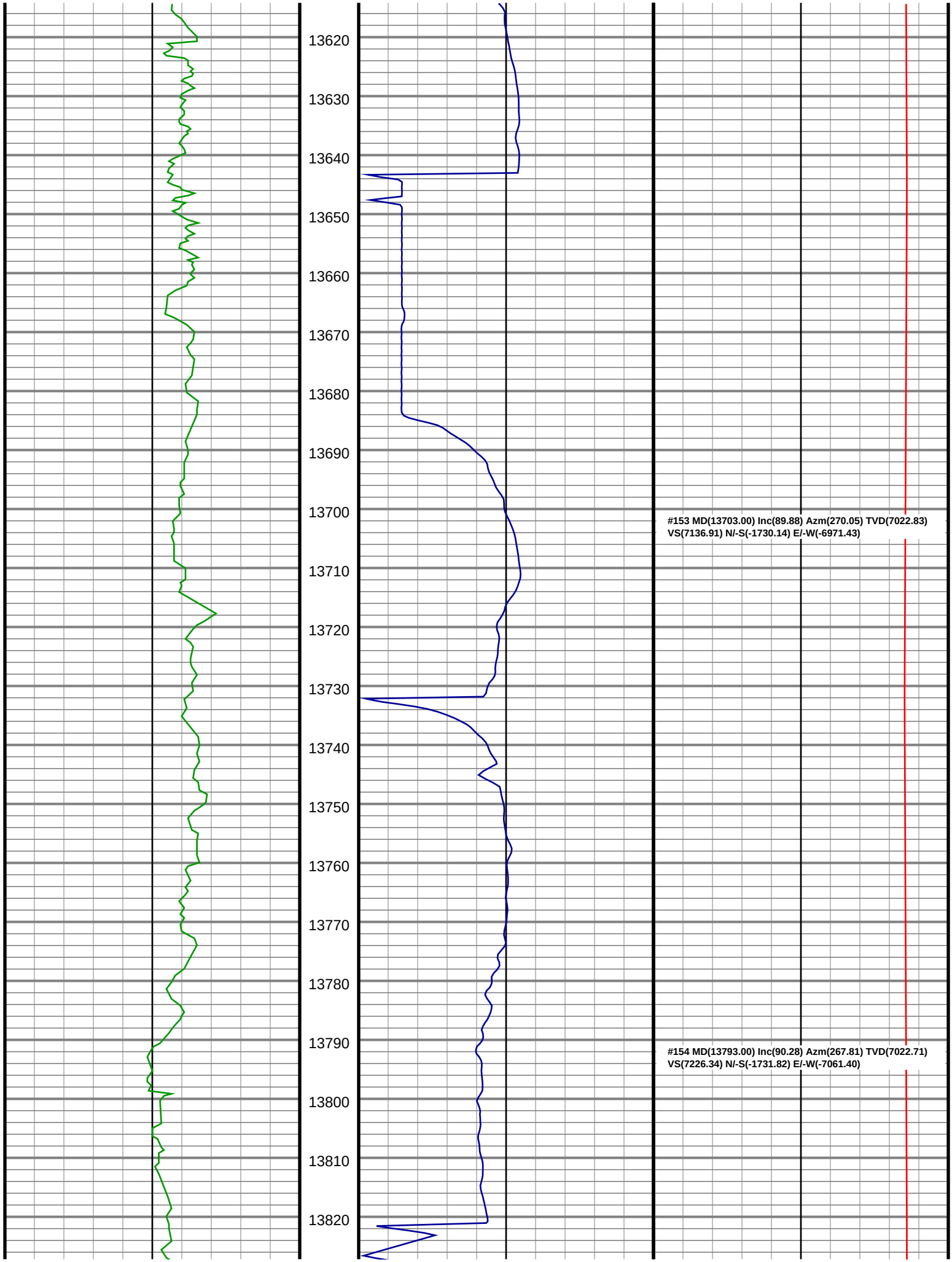
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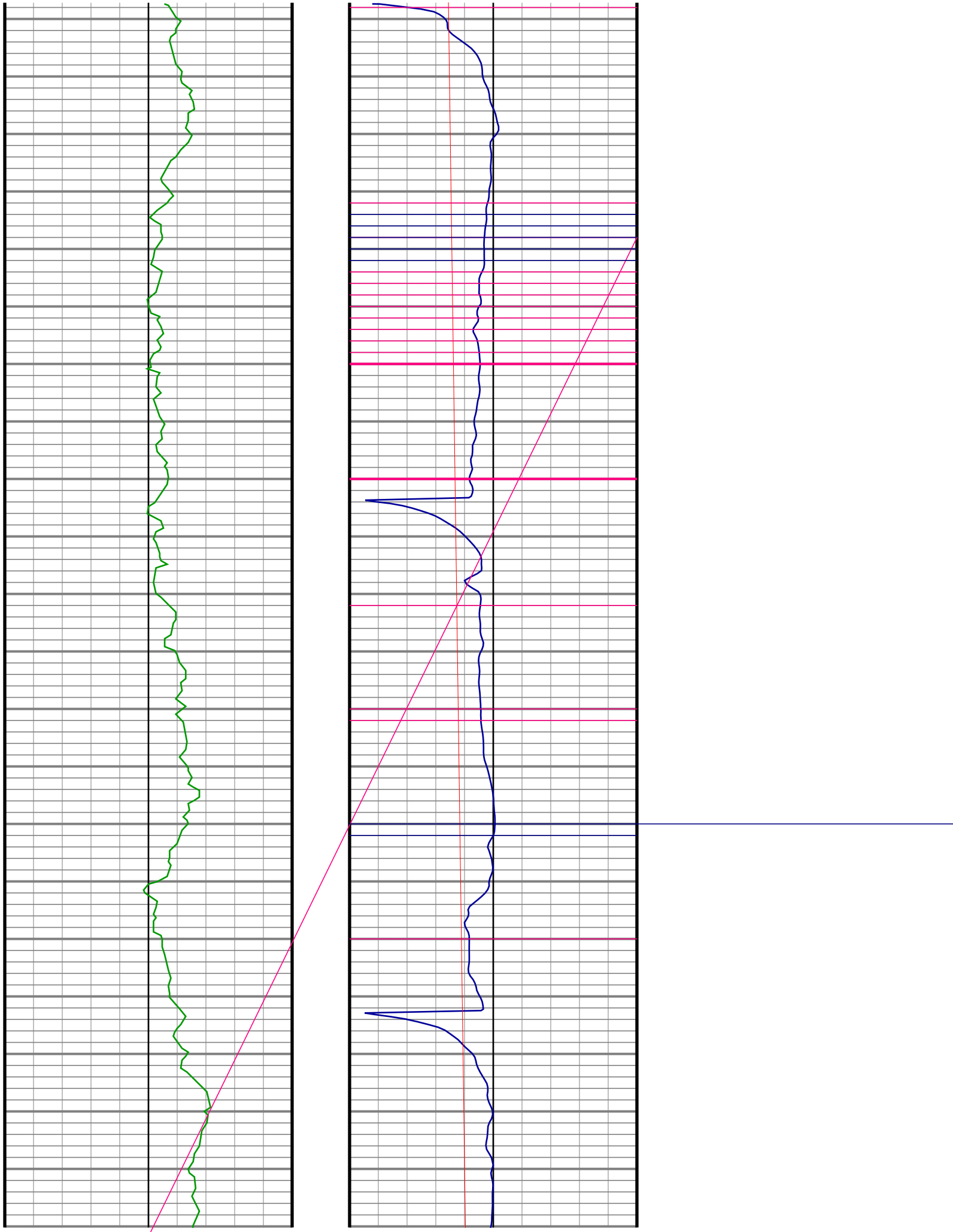

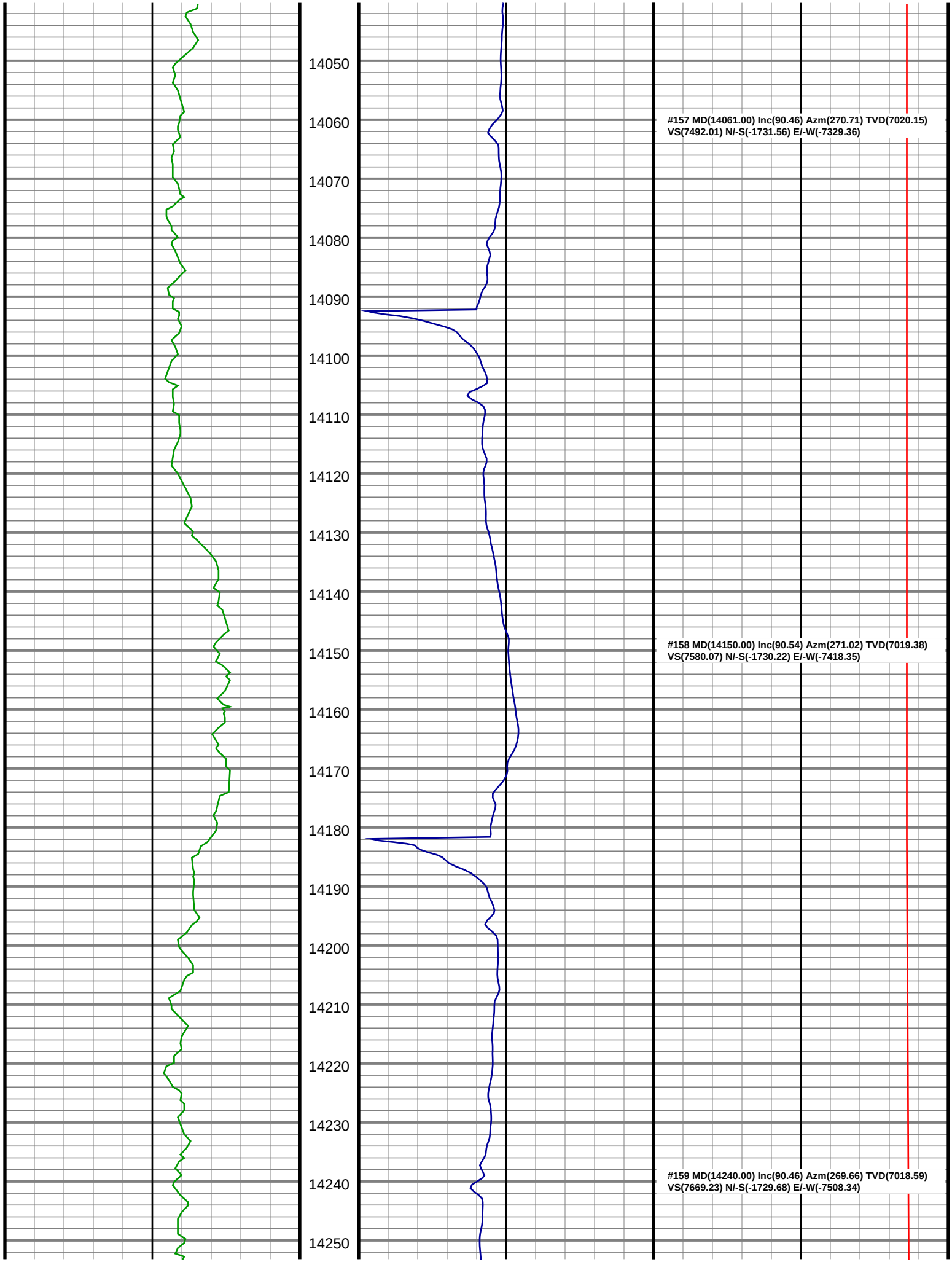
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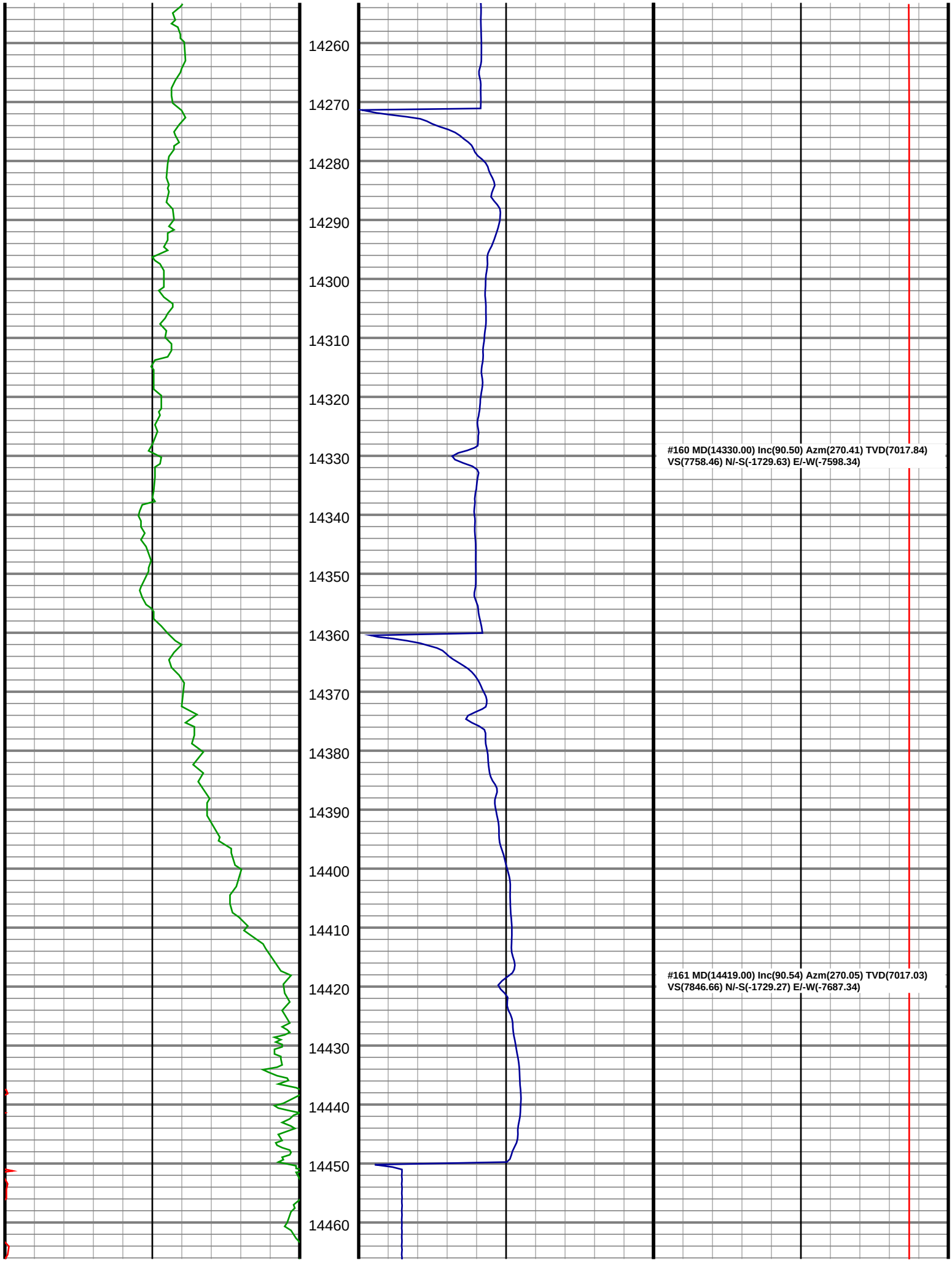
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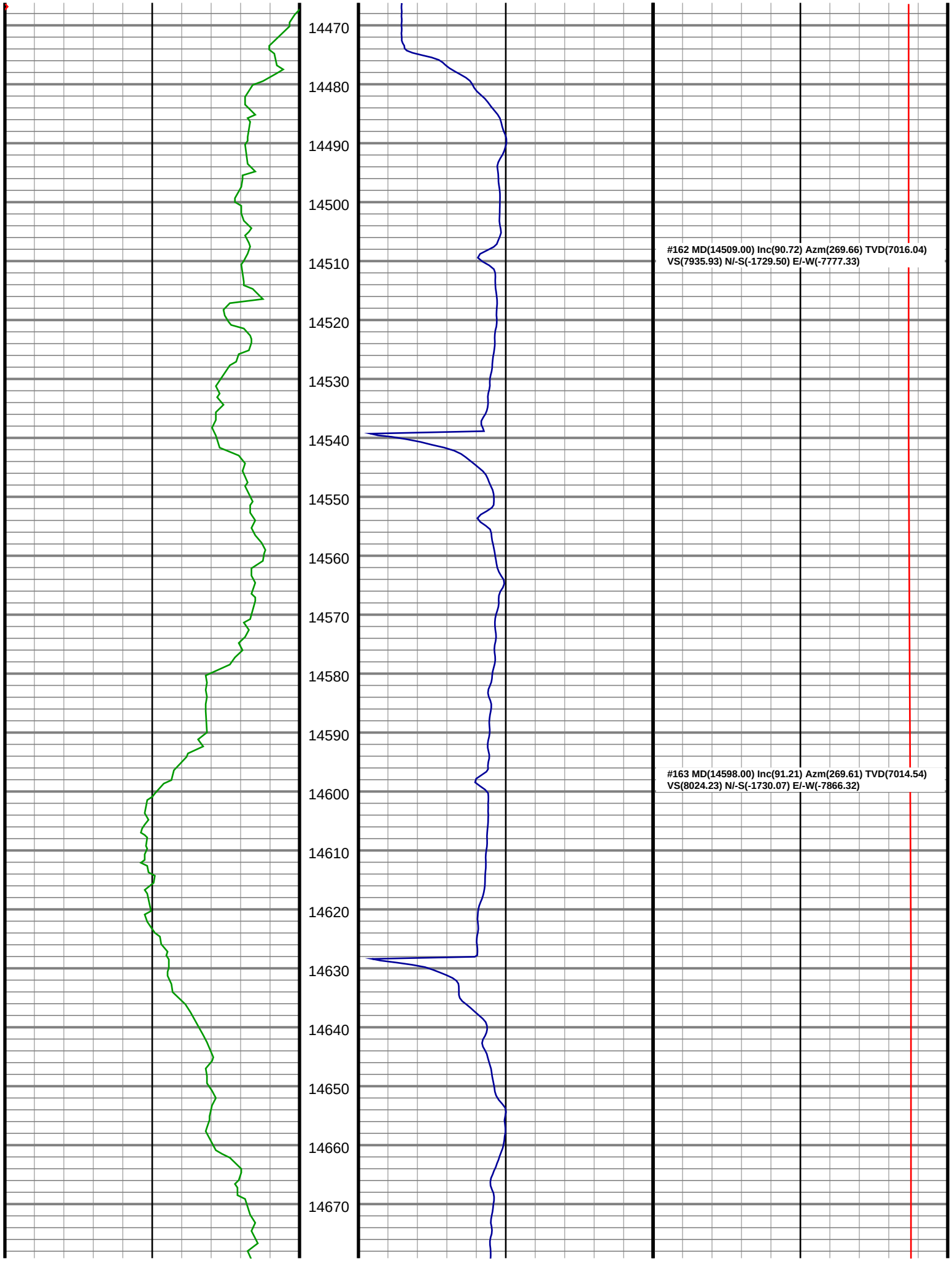
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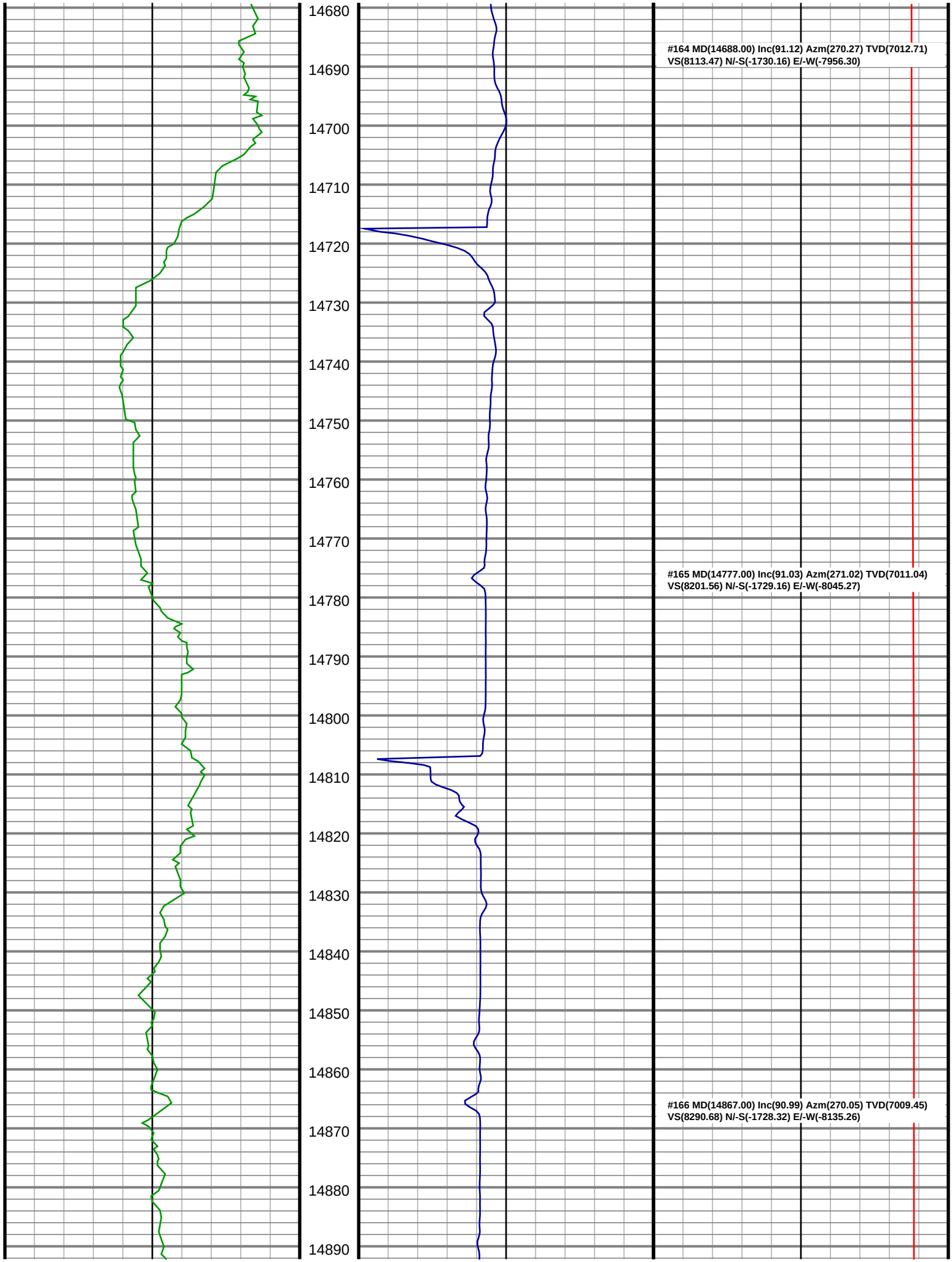
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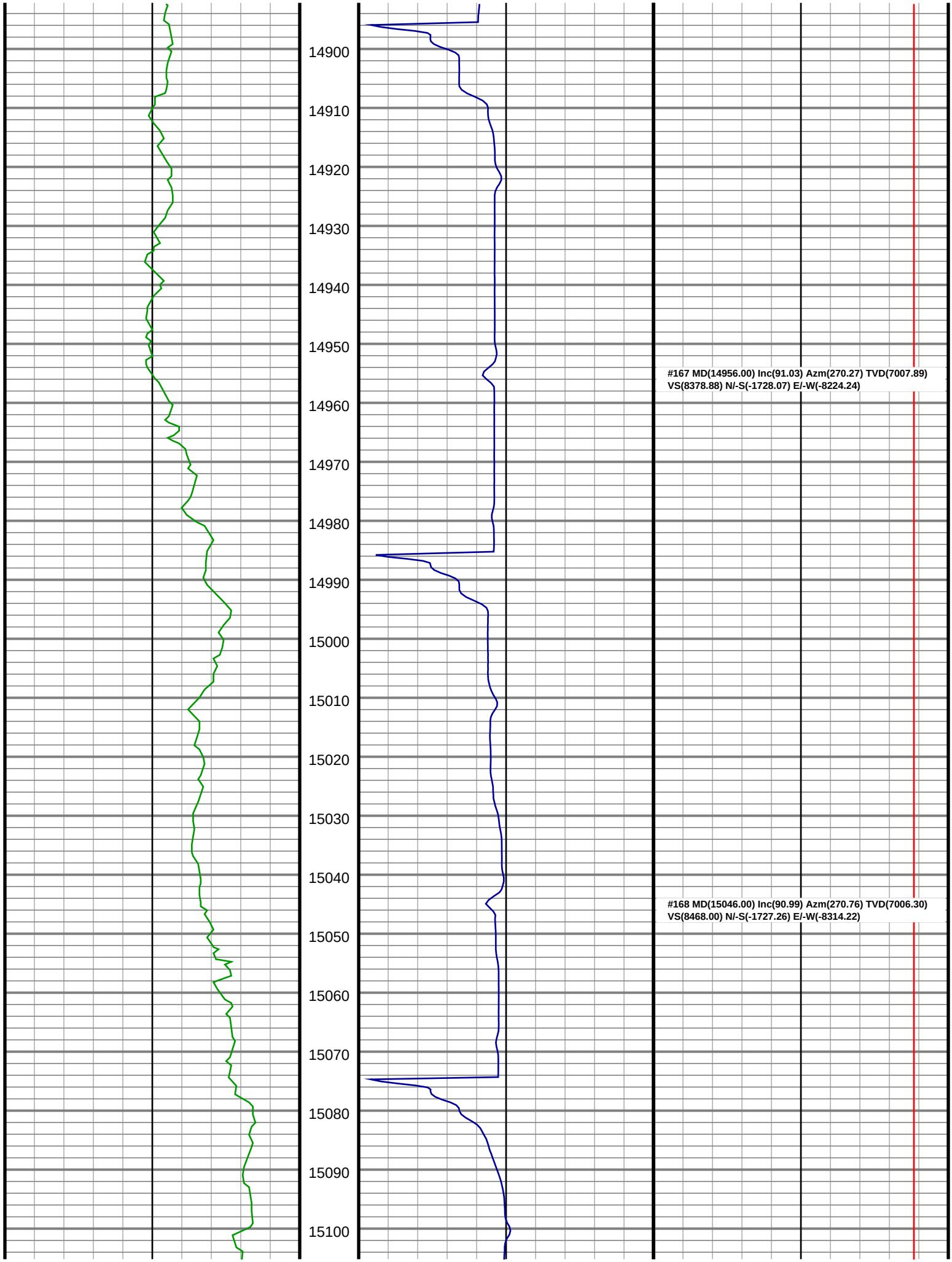
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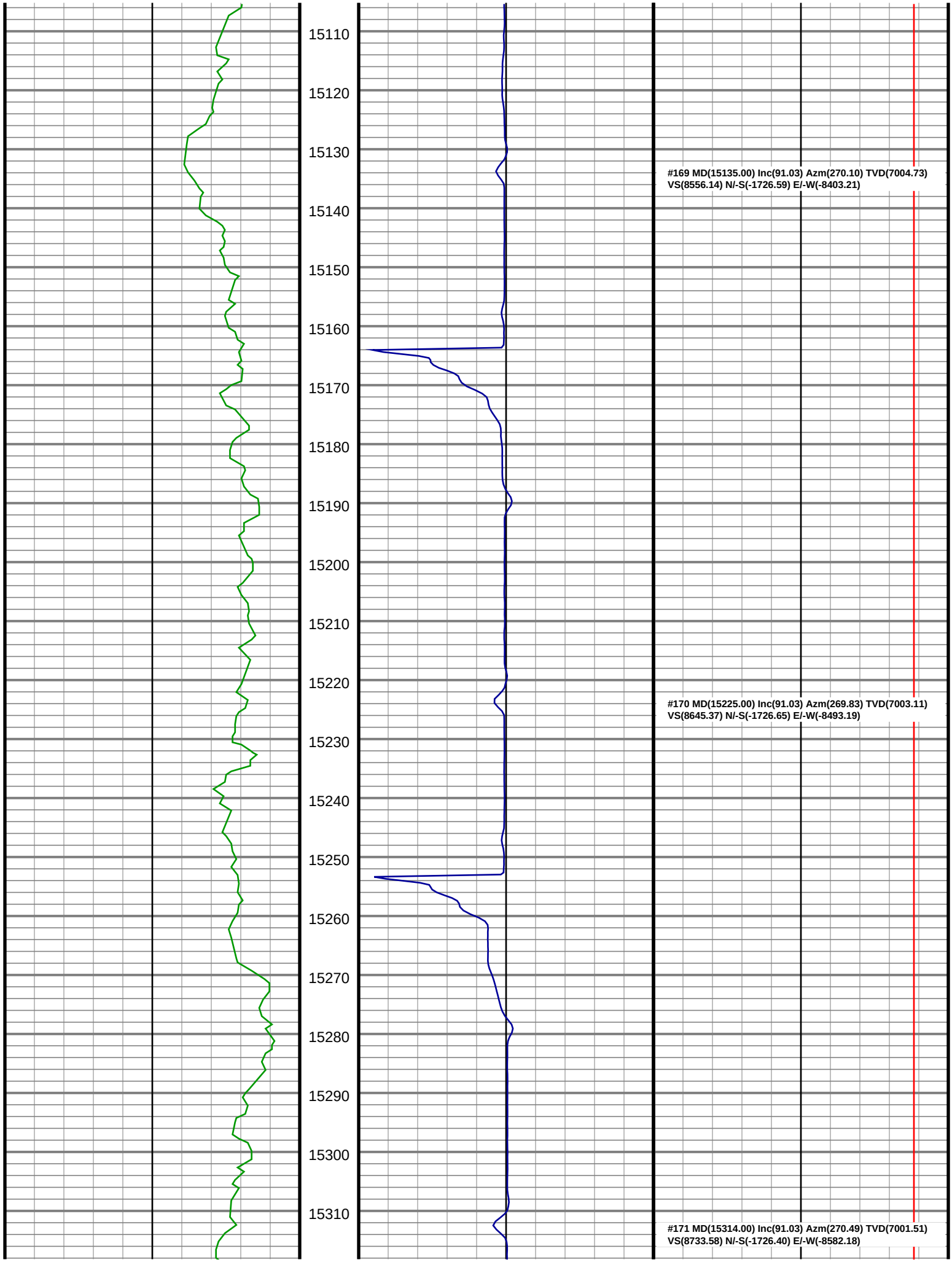
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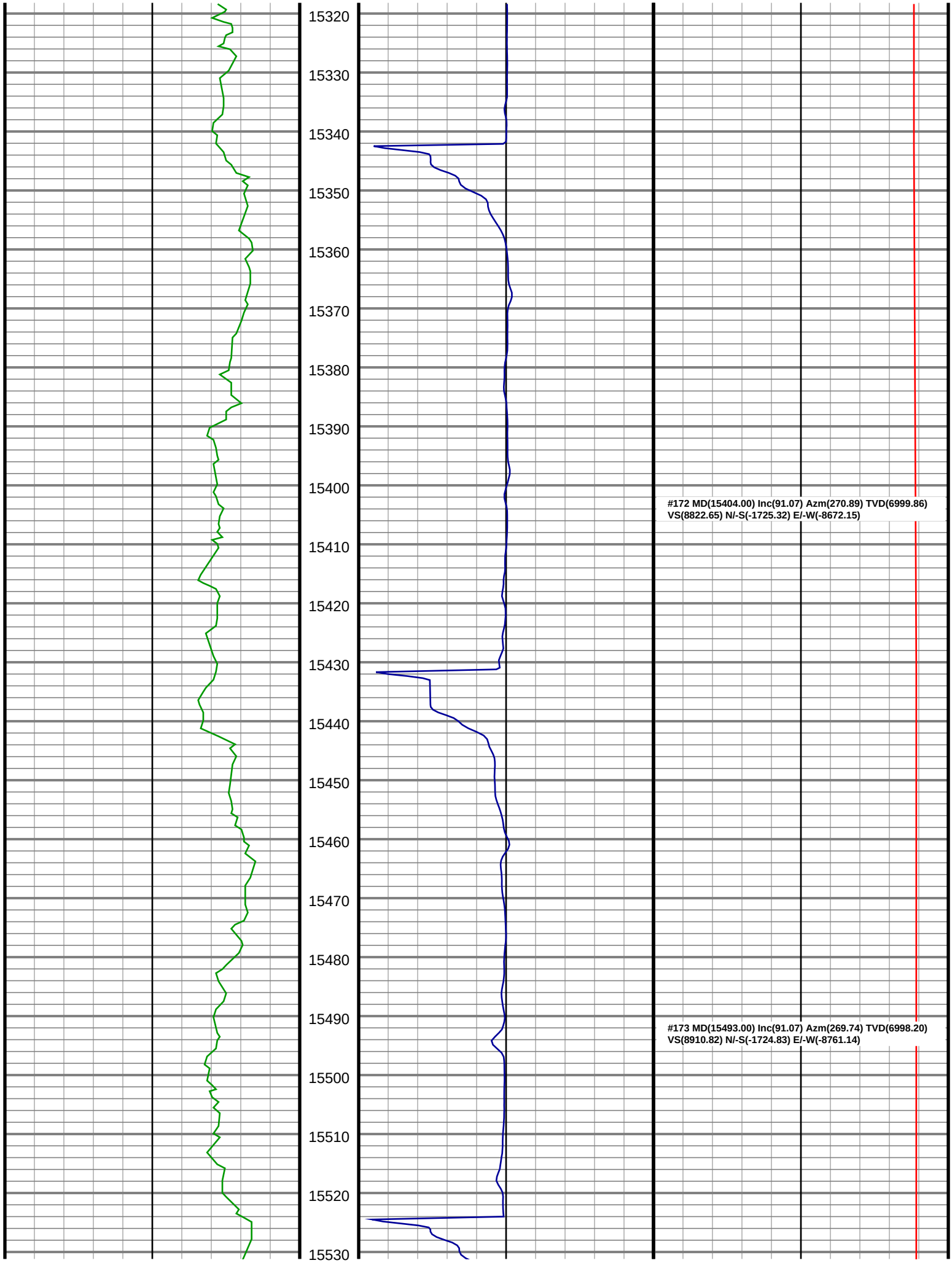
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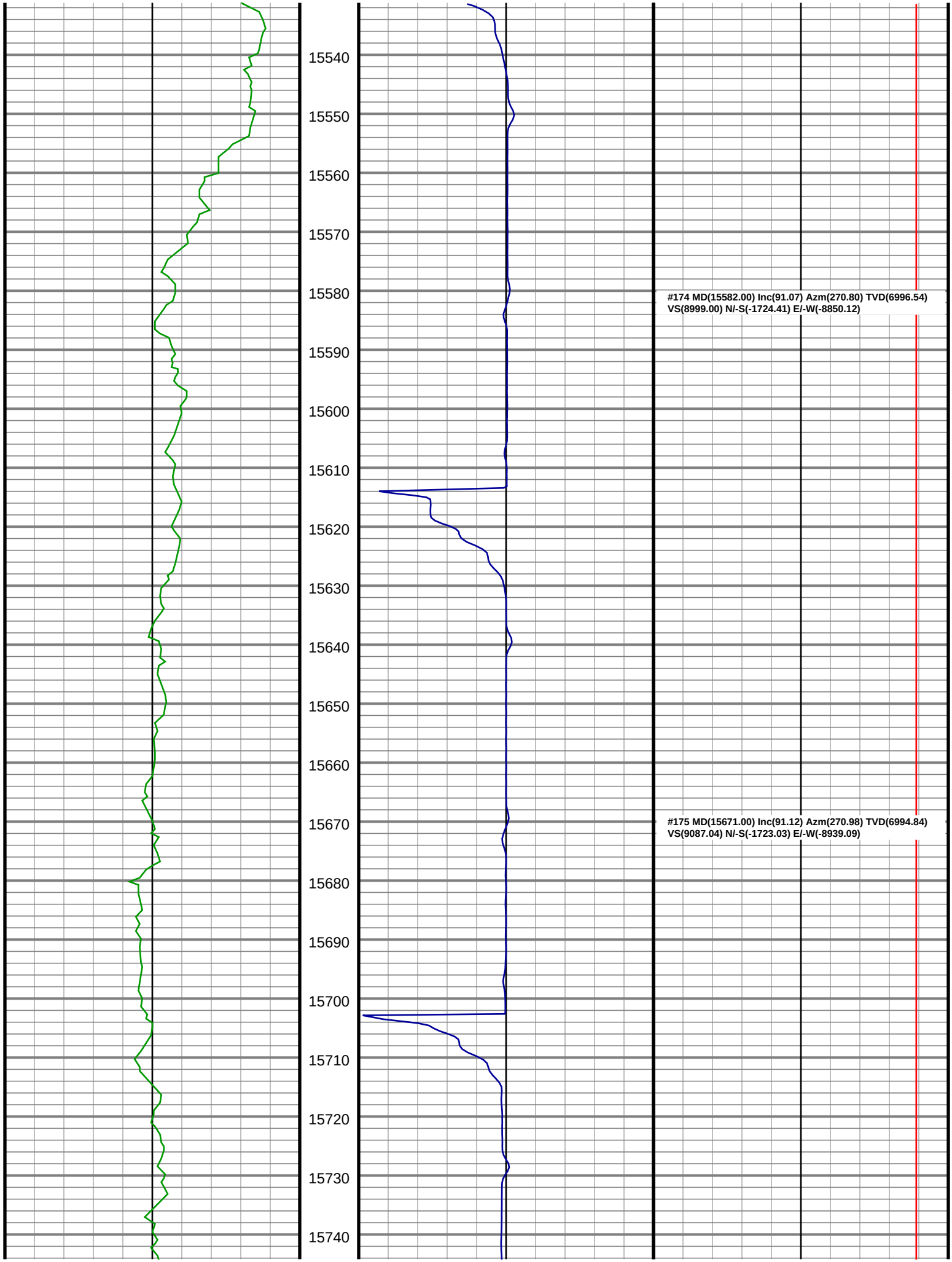
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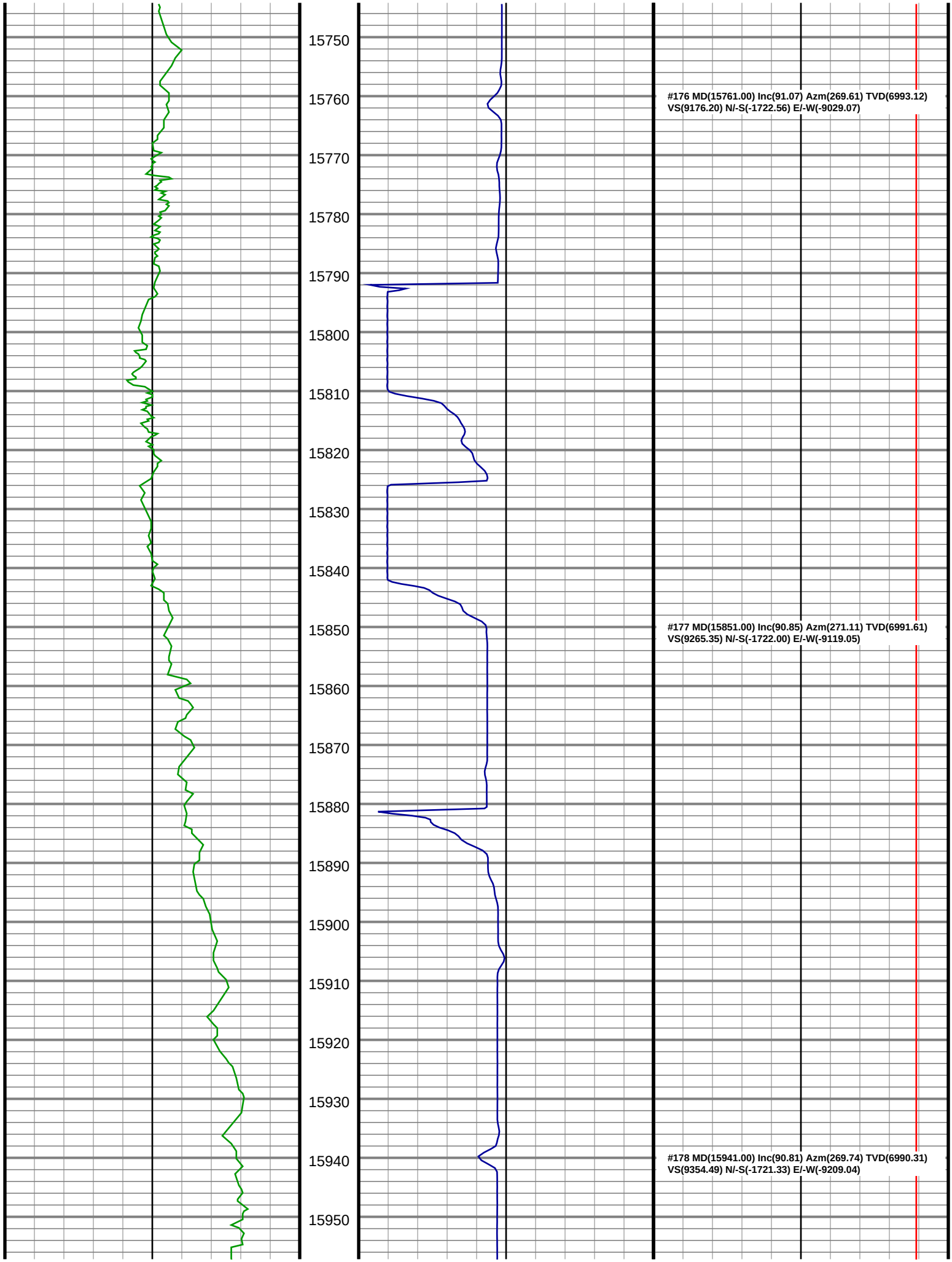
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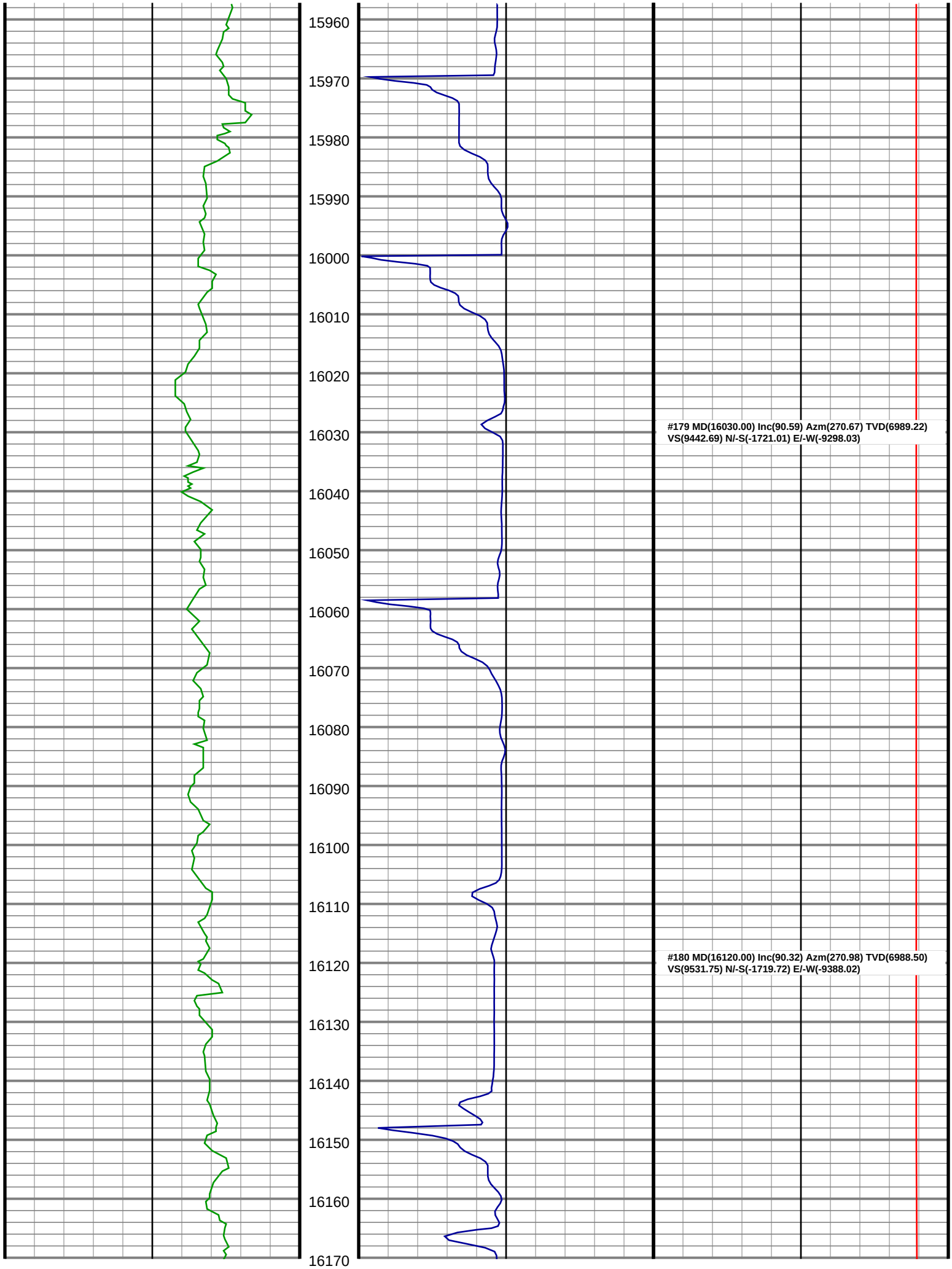
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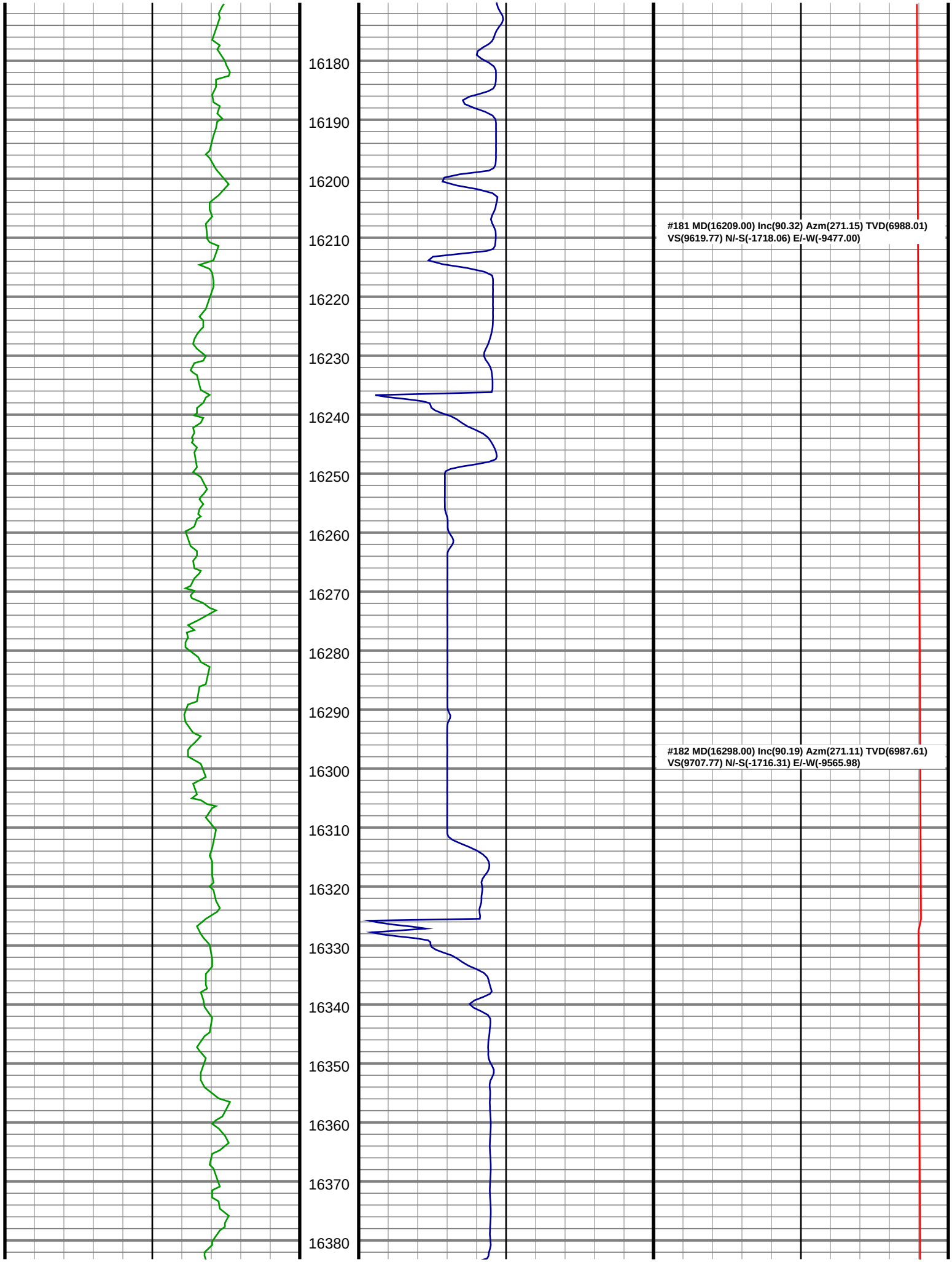
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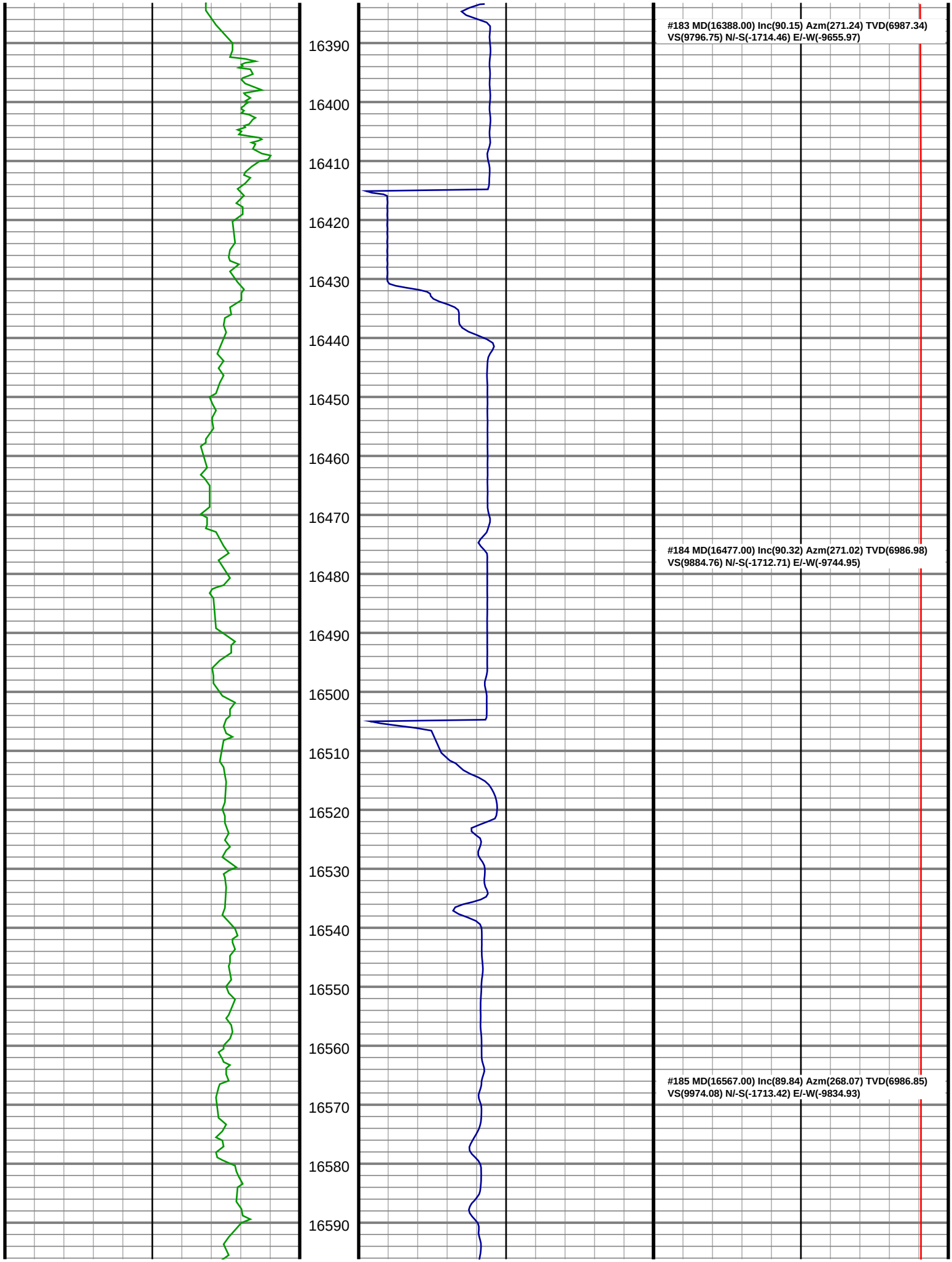
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VS(9884.76) N/-S(-1712.71) E/-W(-9744.95)
#185 MD(16567.00) Inc(89.84) Azm(268.07) TVD(6986.85)
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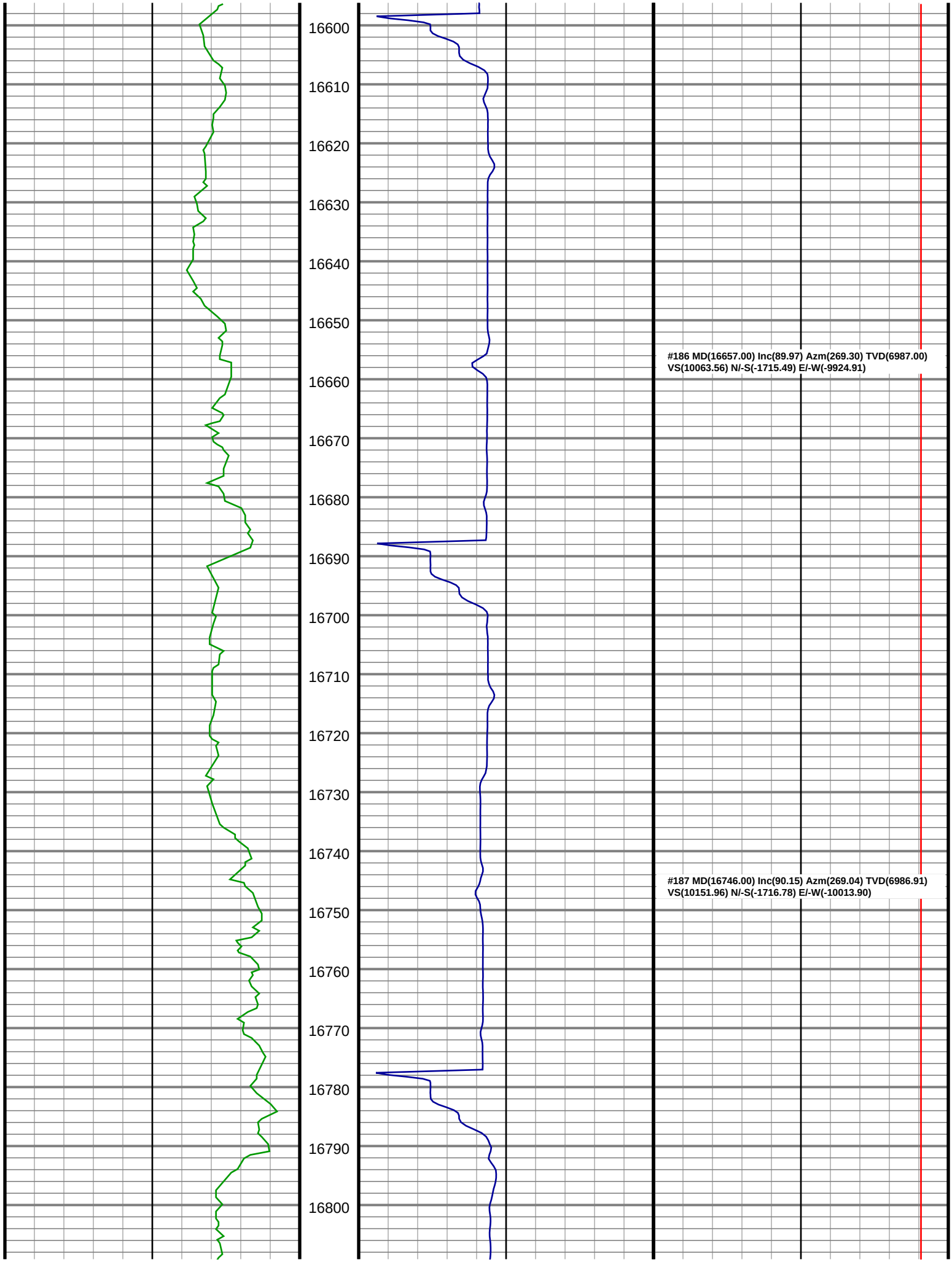
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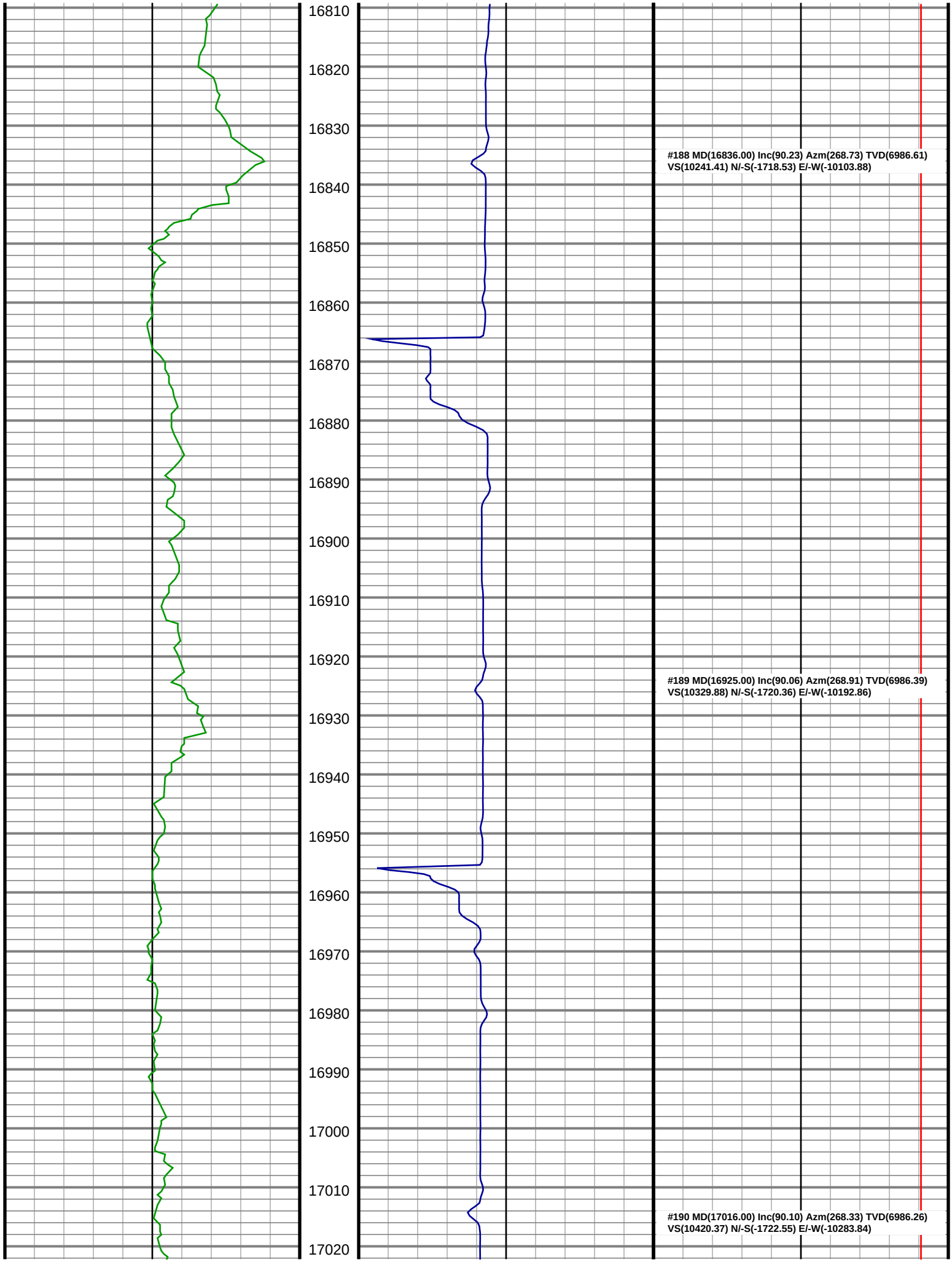
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#189 MD(16925.00) Inc(90.06) Azm(268.91) TVD(6986.39)
VS(10329.88) N/-S(-1720.36) E/-W(-10192.86)
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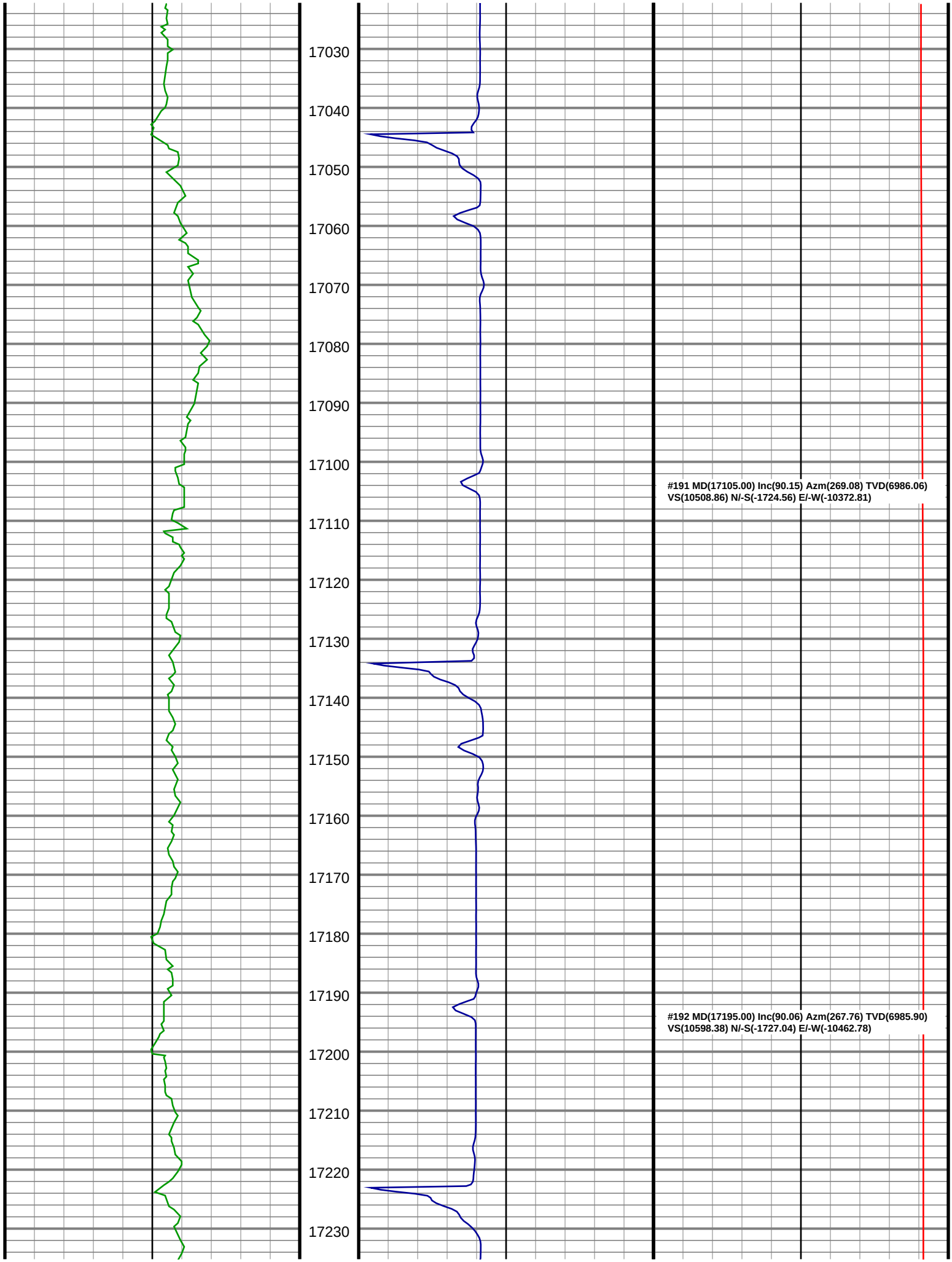
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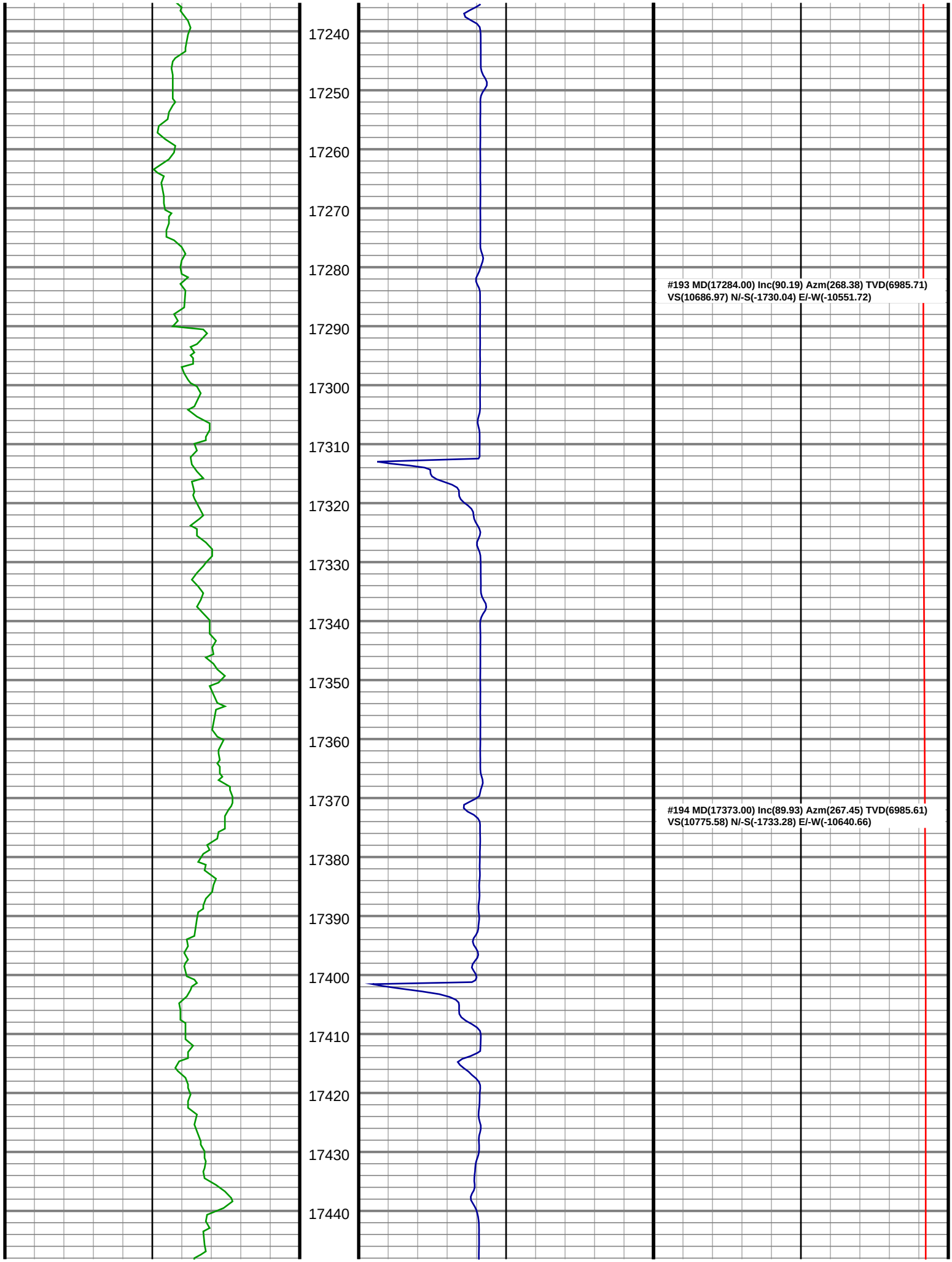
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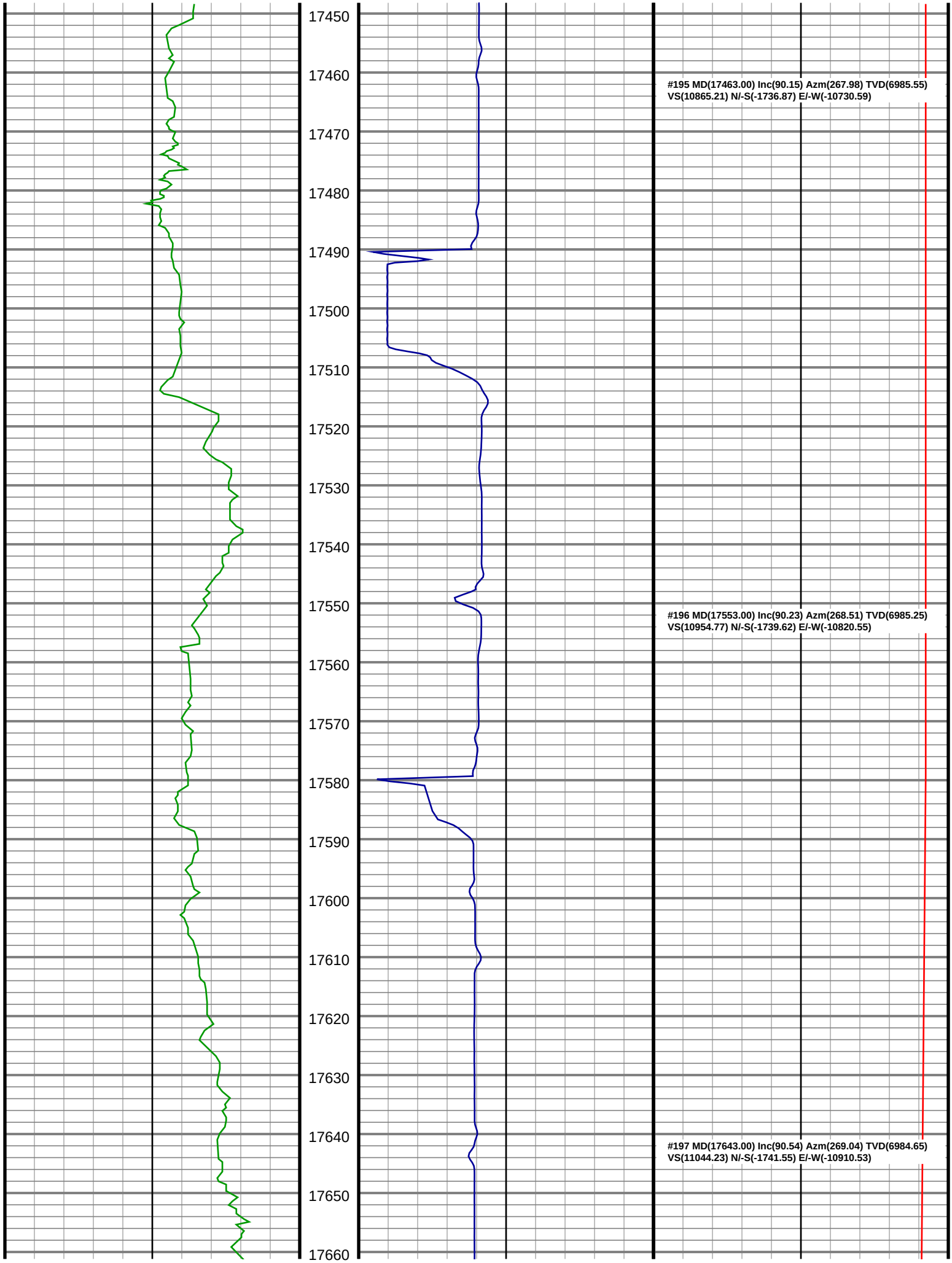
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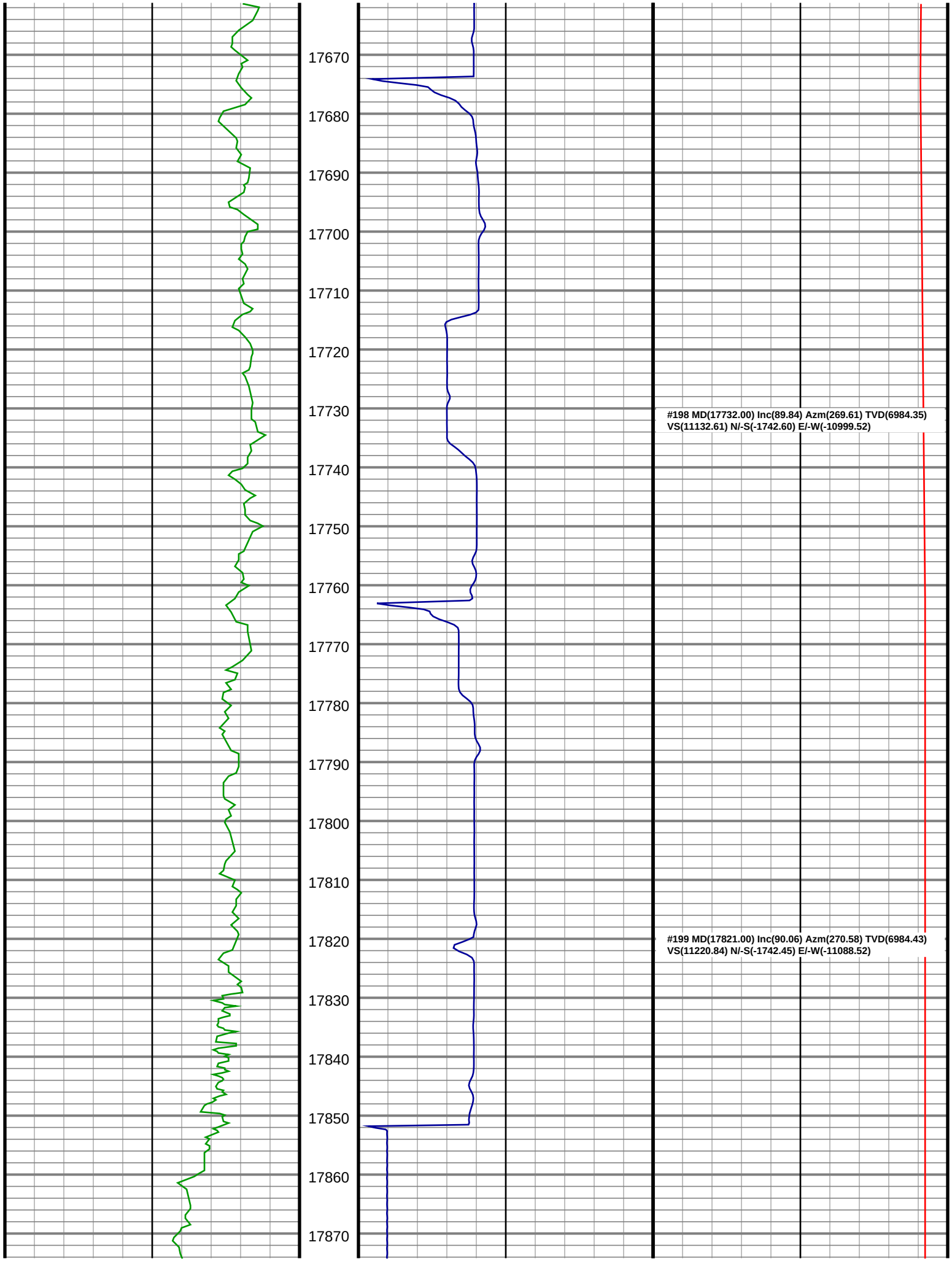
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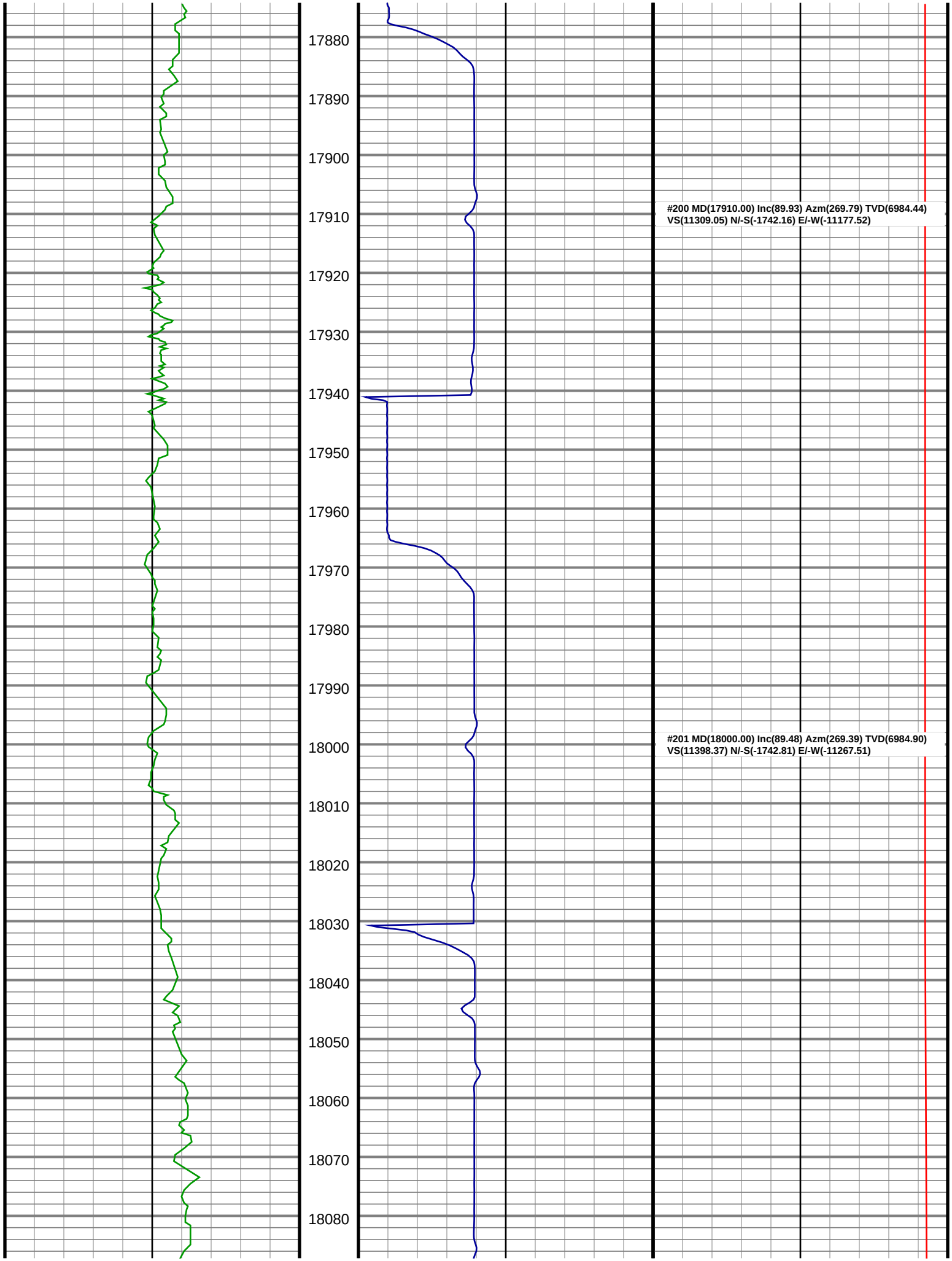
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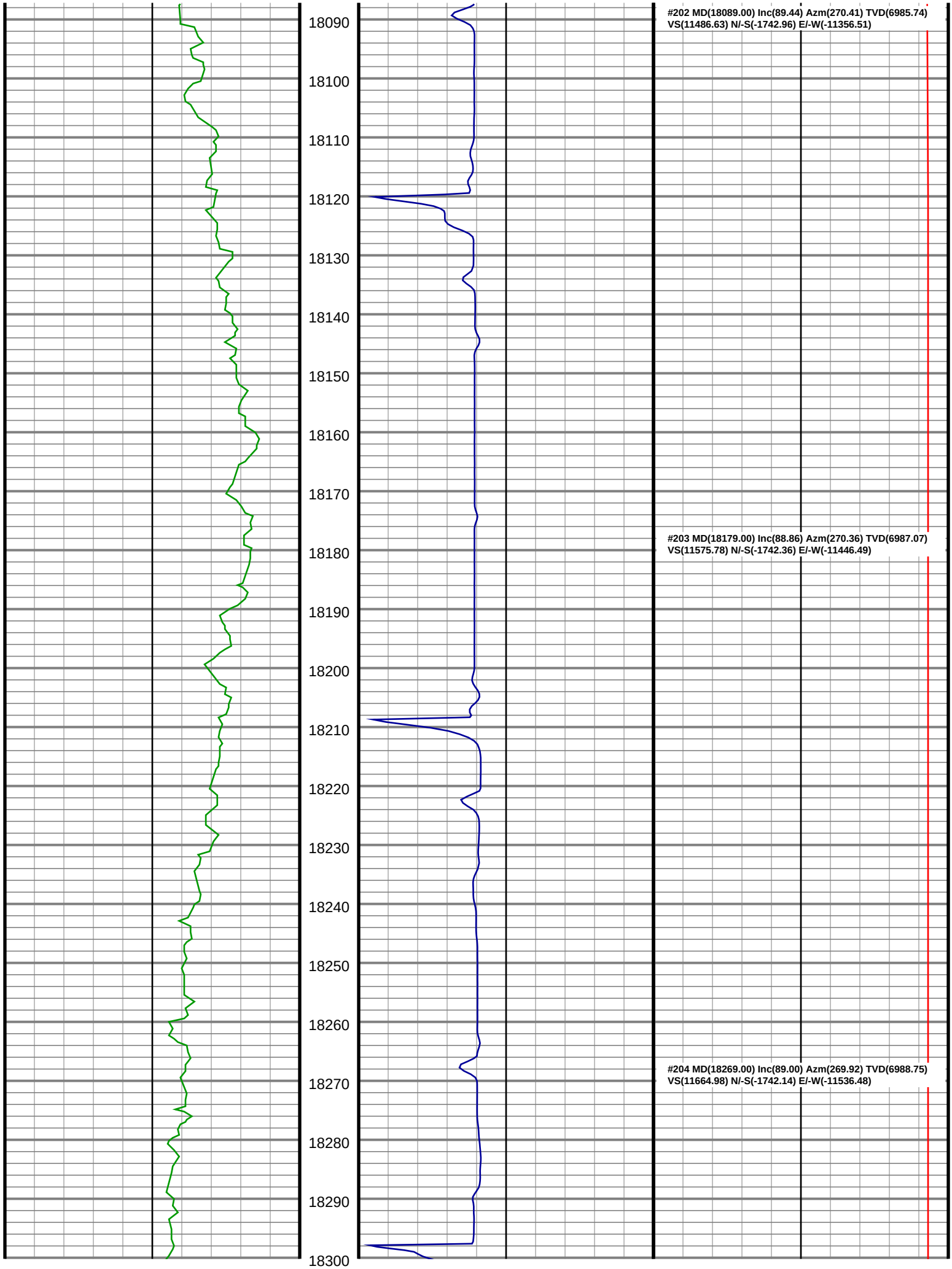
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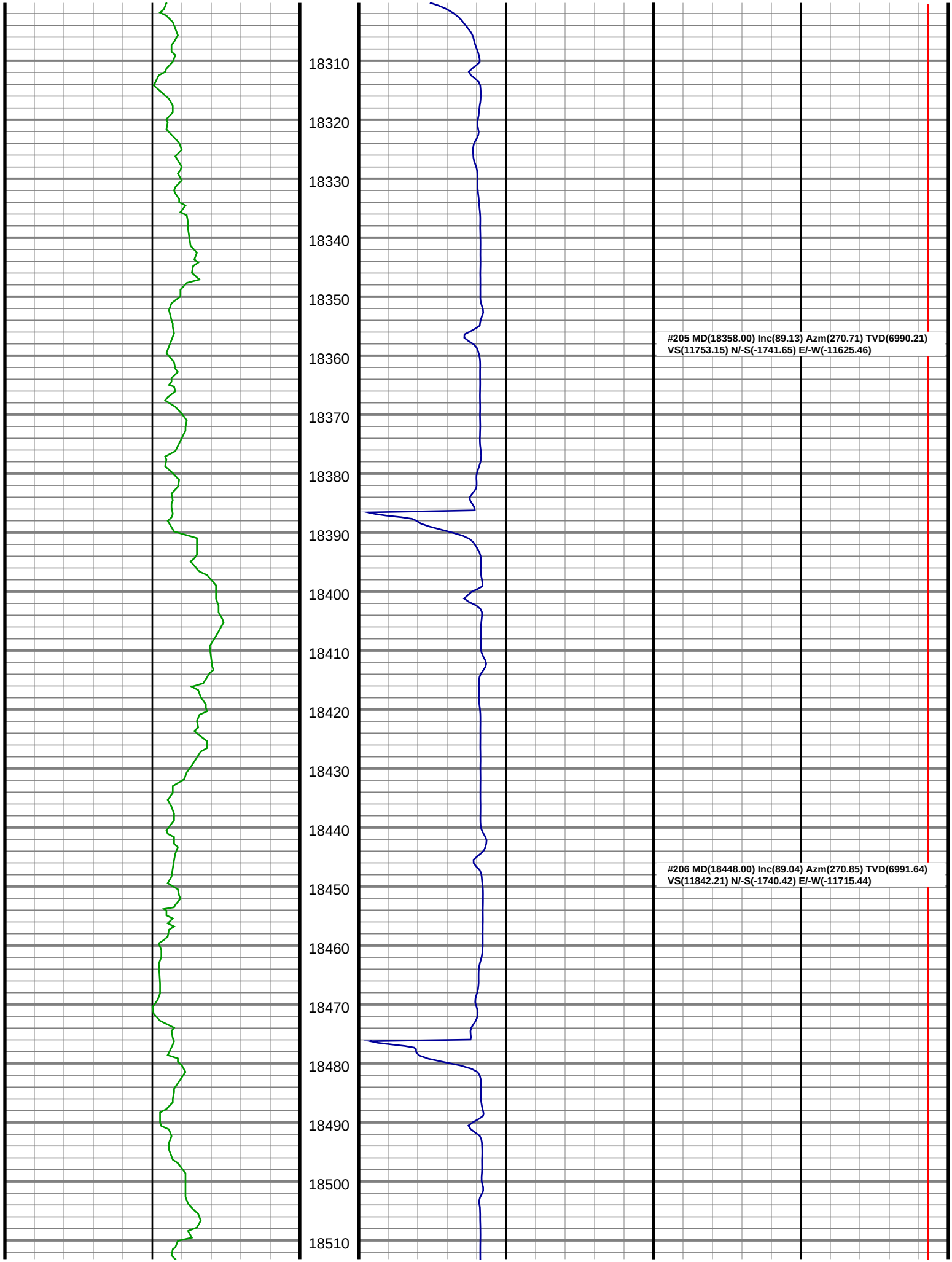
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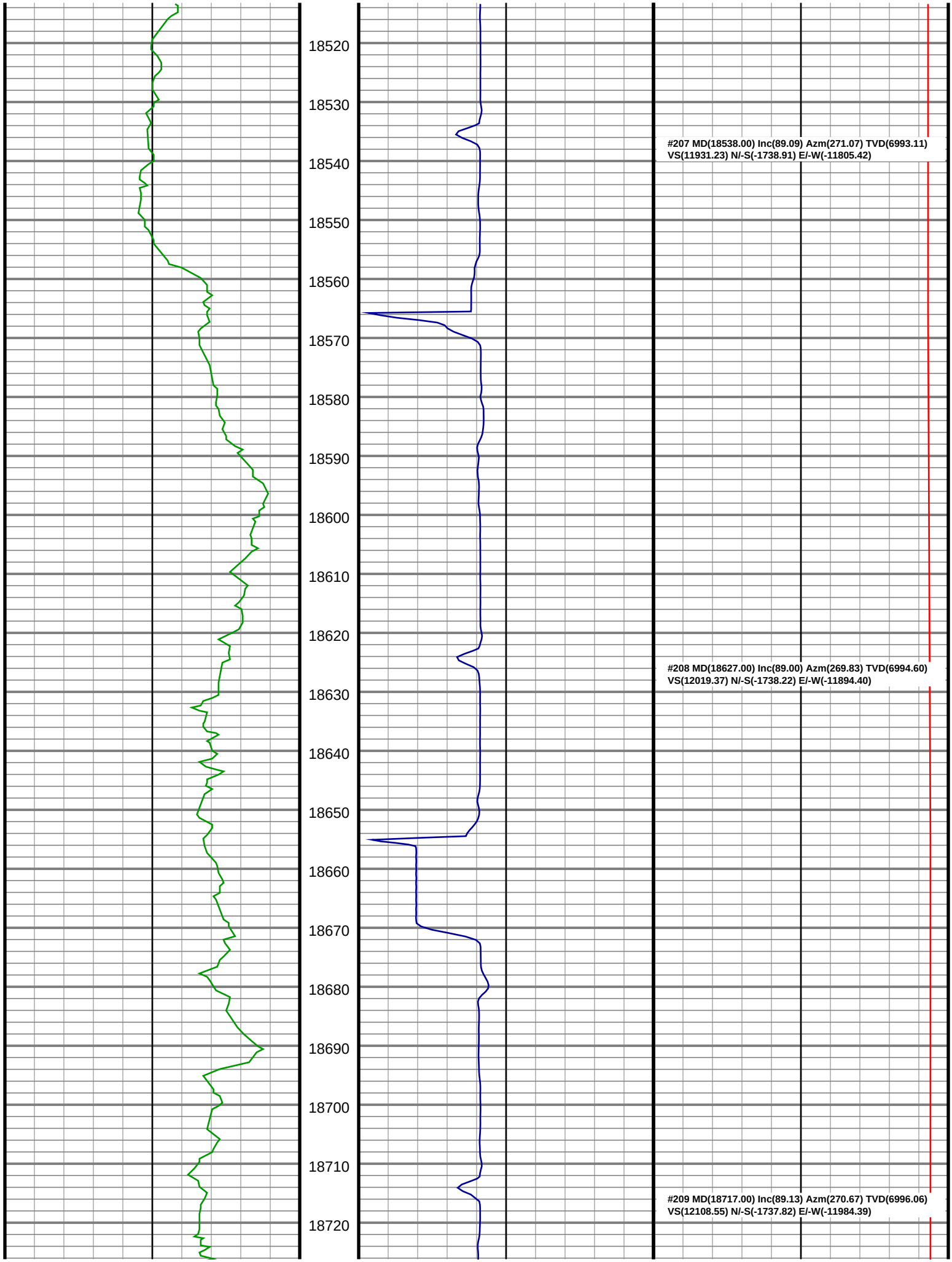
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VS(12019.37) N/-S(-1738.22) E/-W(-11894.40)
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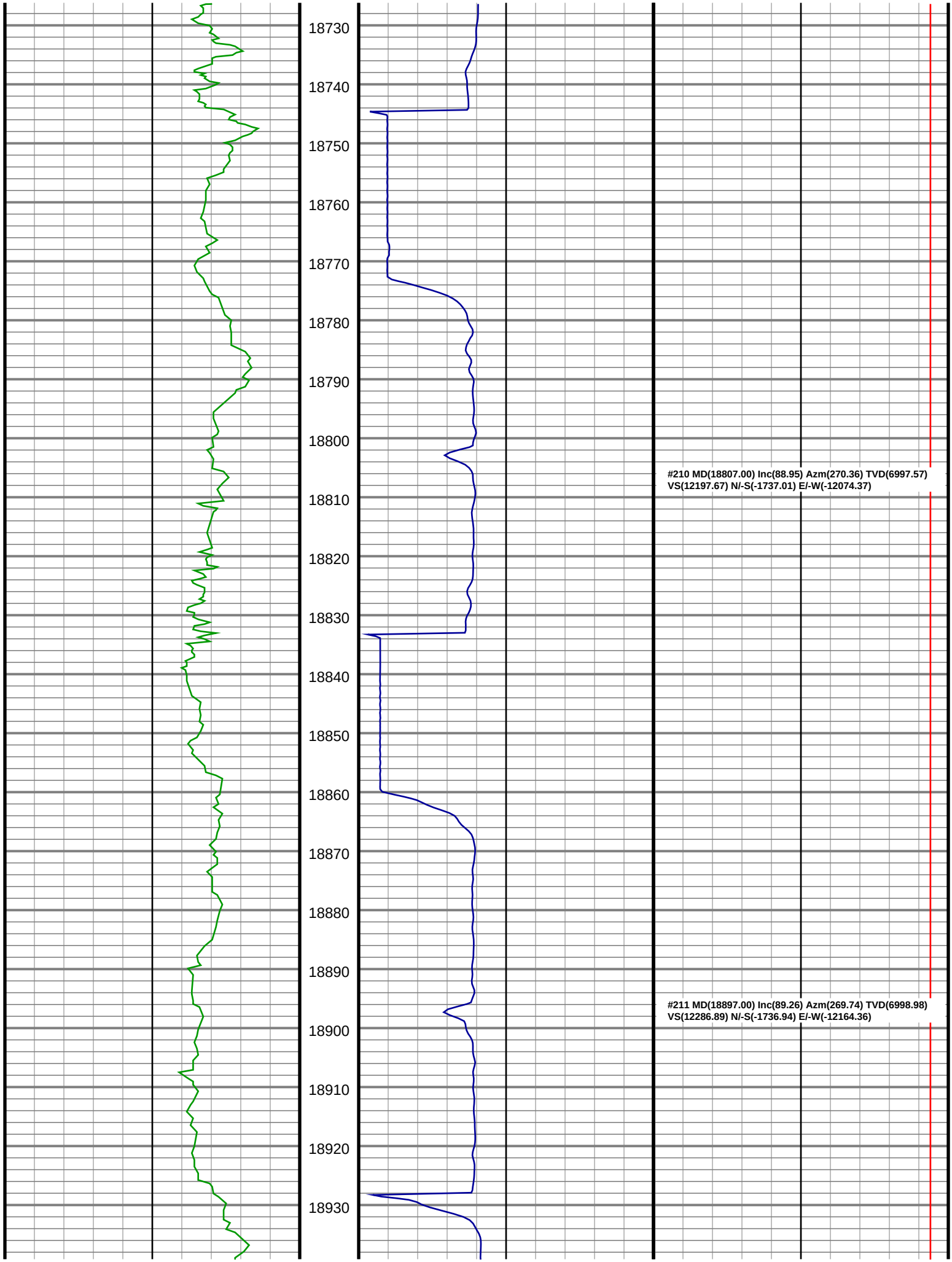
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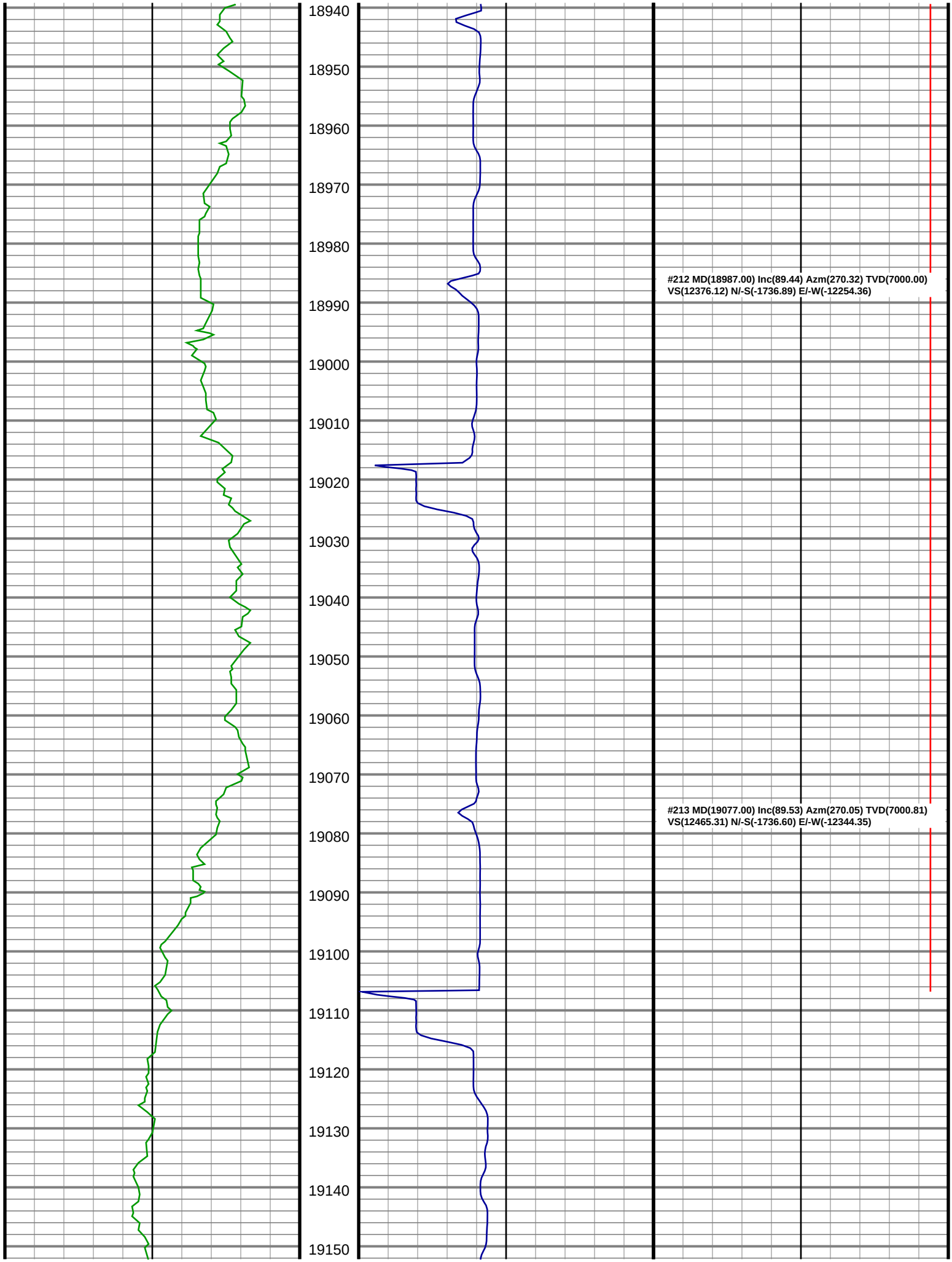
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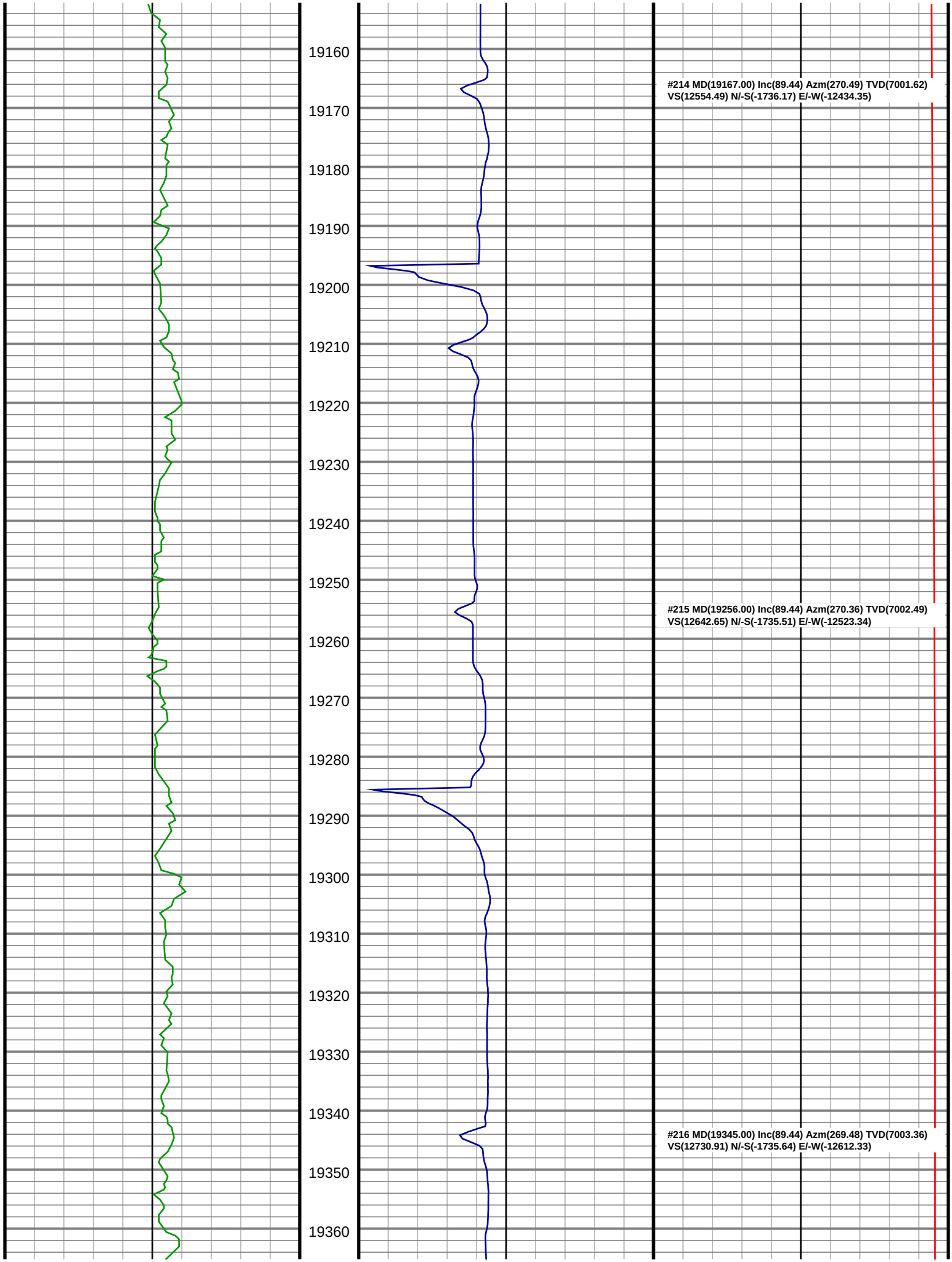
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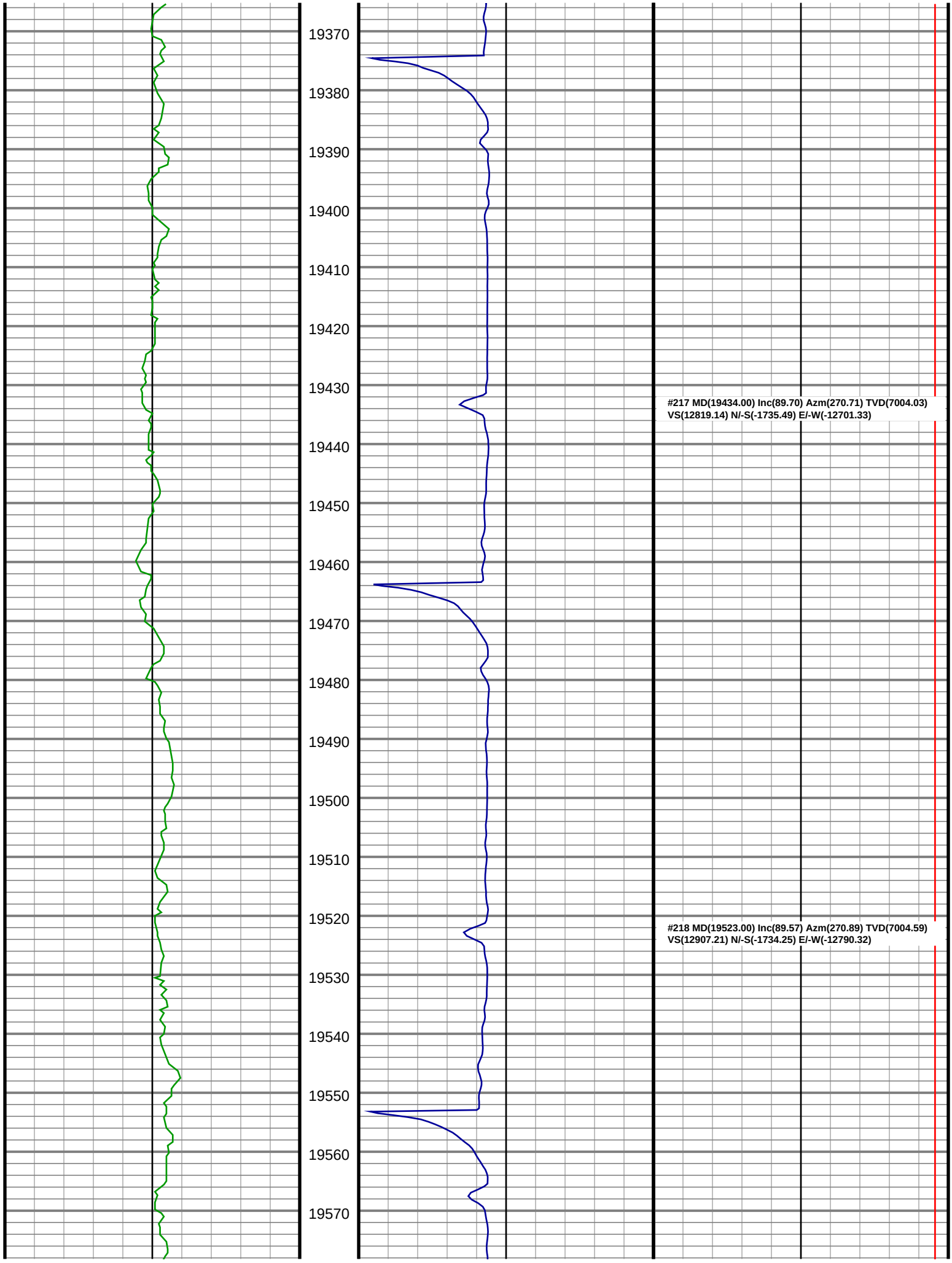
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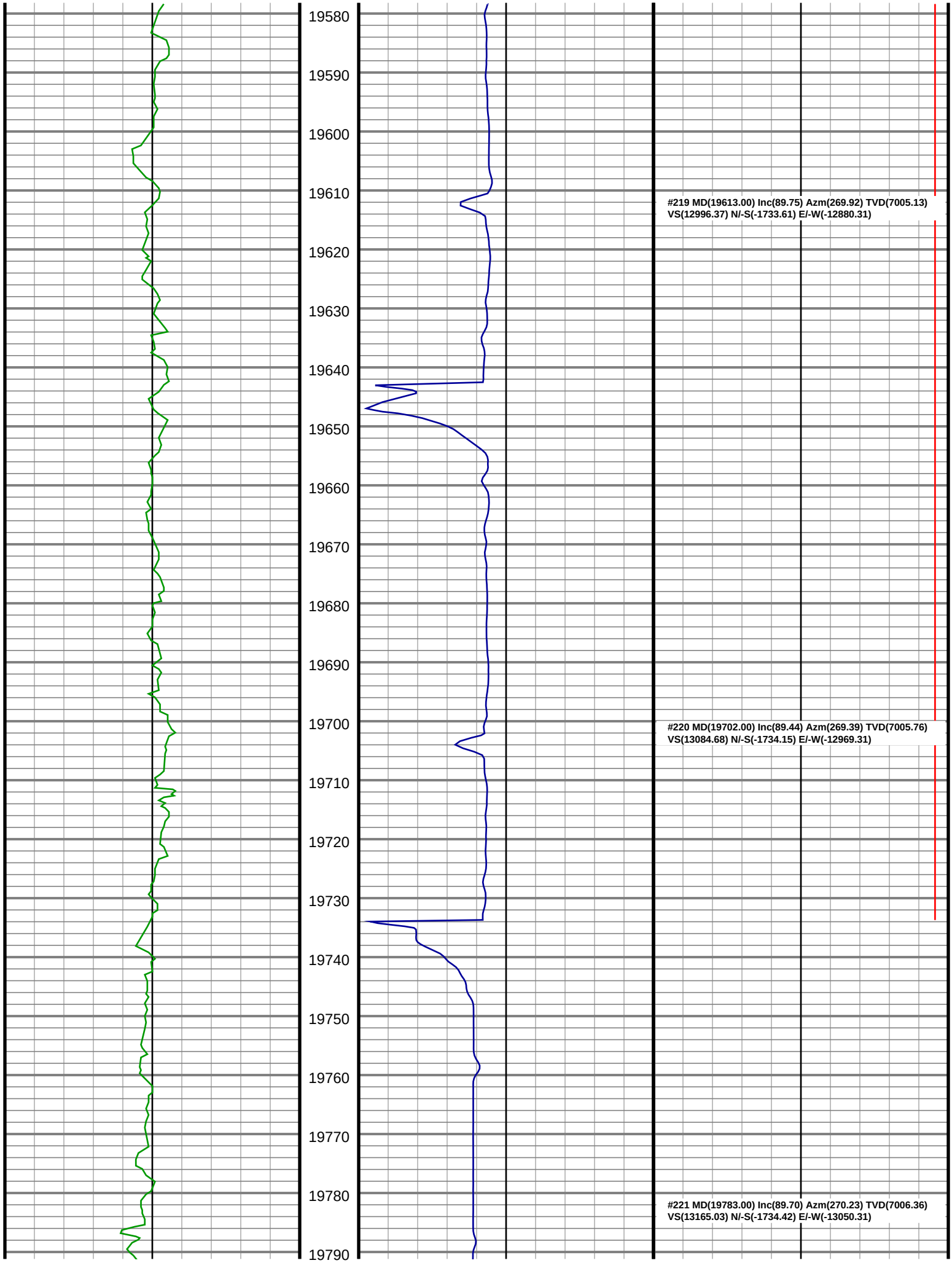
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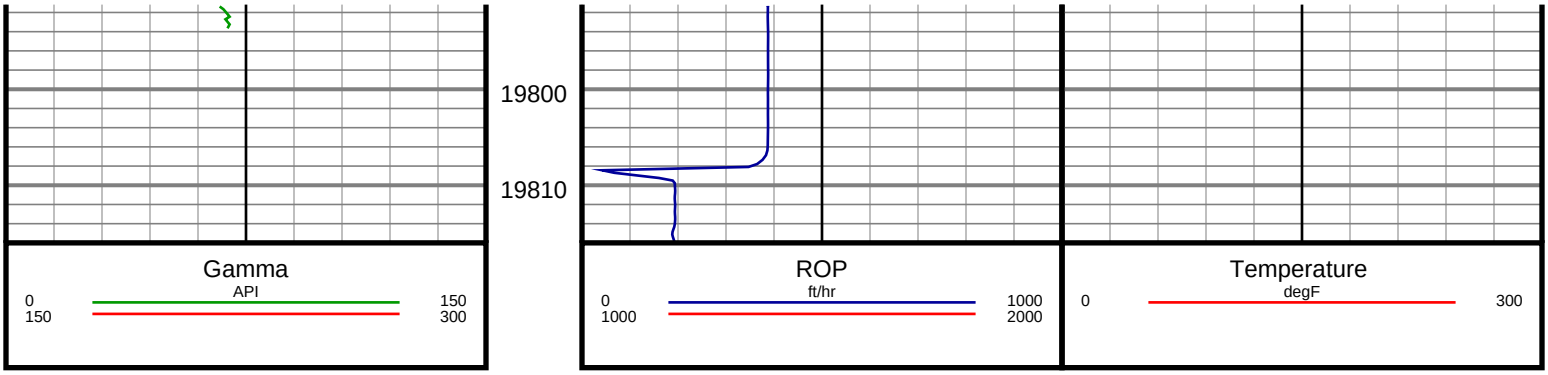
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