



Premier Directional Drilling
12941 North Freeway Suite 400
Houston, Texas 77060
PH: #281-673-4000

Whisper Rock 1C-25HZ
Scale 5":100' - MD
12/30/2015 6:25 PM

Oper. Company: Anadarko Petroleum Corporation

State: Colorado

Well: Whisper Rock 1C-25HZ

County: Weld

Field: Wattenberg

Country: United States

Rig: Precision 462

Location: Wilson Ranch 8-26HZ Pad

Well ID: 05123413010000

Start Date: 12/26/2015 18:36:39

Job Number: R15420

End Date: 12/29/2015 11:06:00

Notes: LWD Record Mode Data

Gamma Correction Determined by Pipe ID & OD, Mud Weight & Bit Size

Latitude: 40.286117

Elev KB: 5012'

Longitude: -104.962739

Elev DF: 5012'

Elev GL: 4992'

Notes: Datum: NAD1983 Map Zone: 13N (108 W to 102 W) Total Correction: 8.42° Grid Convergence: 0.02° (True North)

Operator 1: Jim Thammavong

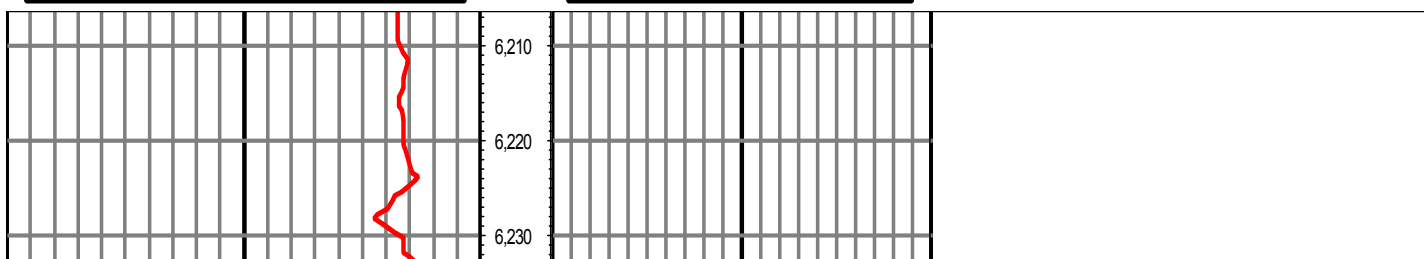
Operator 2: David Clancy

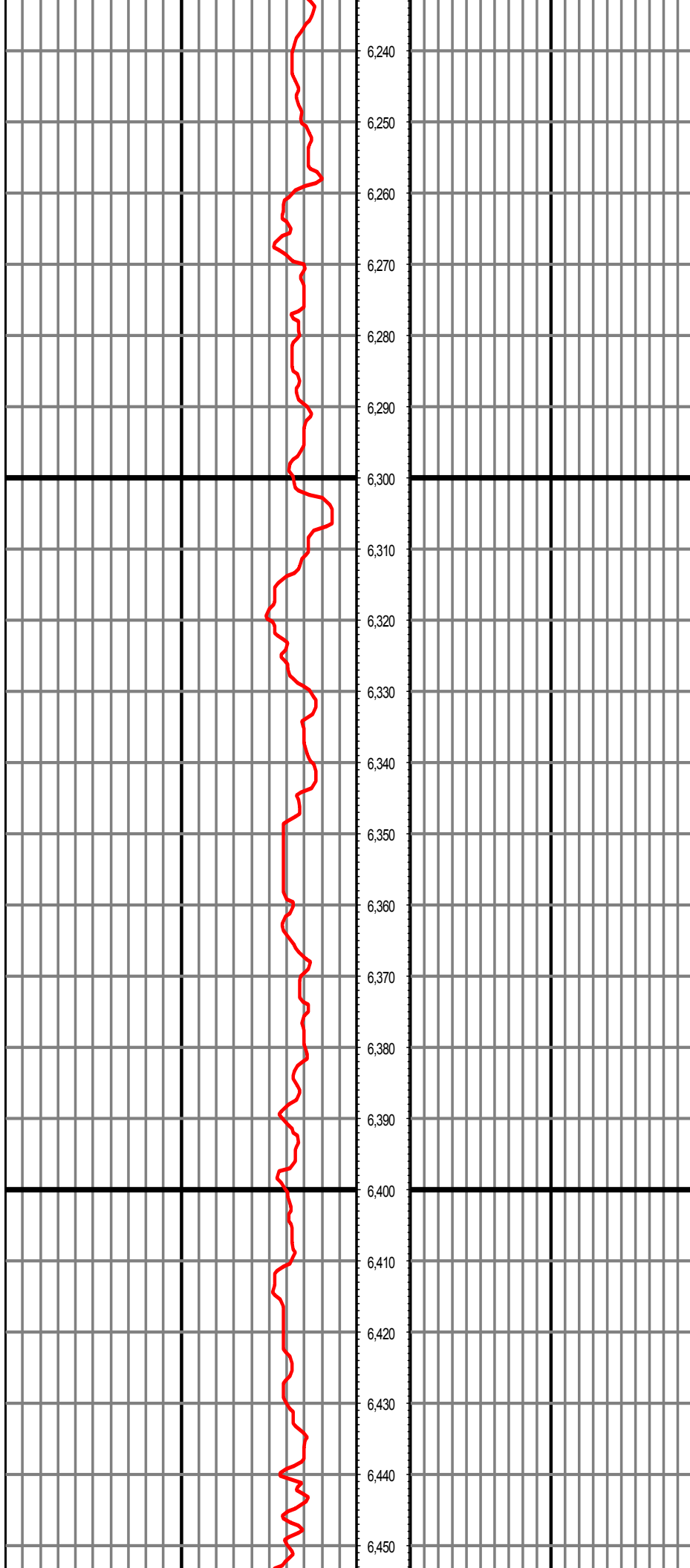
Notes: Smoothing: 2 Gap Fill: 10 Tool Type: EVO One Calculation Method: Minimum Curvature

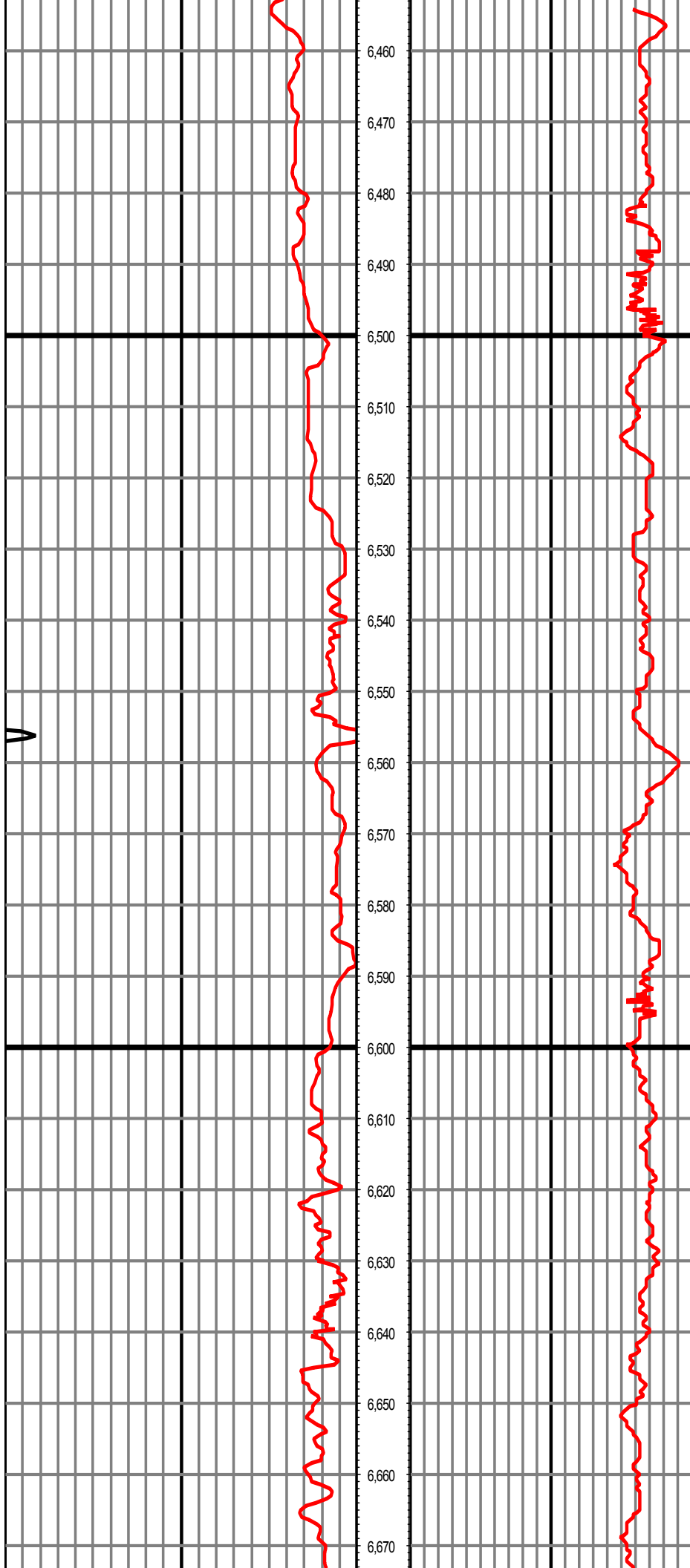
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	EGNF-0067				
Bit Size	8 1/2				
Cal Factor	4.661				
Survey Offset:	73.00				
Gamma Offset	68.00				
Resistivity Offset	0.00				
Start Depth	1862.00				
StartDate	12/26/2015				
StartTime	18:38				
EndDepth	13830.00				
EndDate	12/29/2015				
EndTime	11:06				
Mud Type	OBM				
Mud Weight	9.1 - 9.4				
Funnel Viscosity	63				
Plastic Viscosity	18				
Yield Point	11				
Solids Content	8.69				
Chlorides	58000				
Hole Data			Casing Data		
Size	From	To	Size	From	To
8 1/2	1862.00	13830.00	9 5/8	0.00	1862.00

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

0.00 GR_RM(API) on TVD 200.00 MD 0.00 GR_RM(API) on MD 200.00 Surveys (MD/INC/AZ/TVD/VS)
200.00 2 400.00 FT 200.00 2 400.00

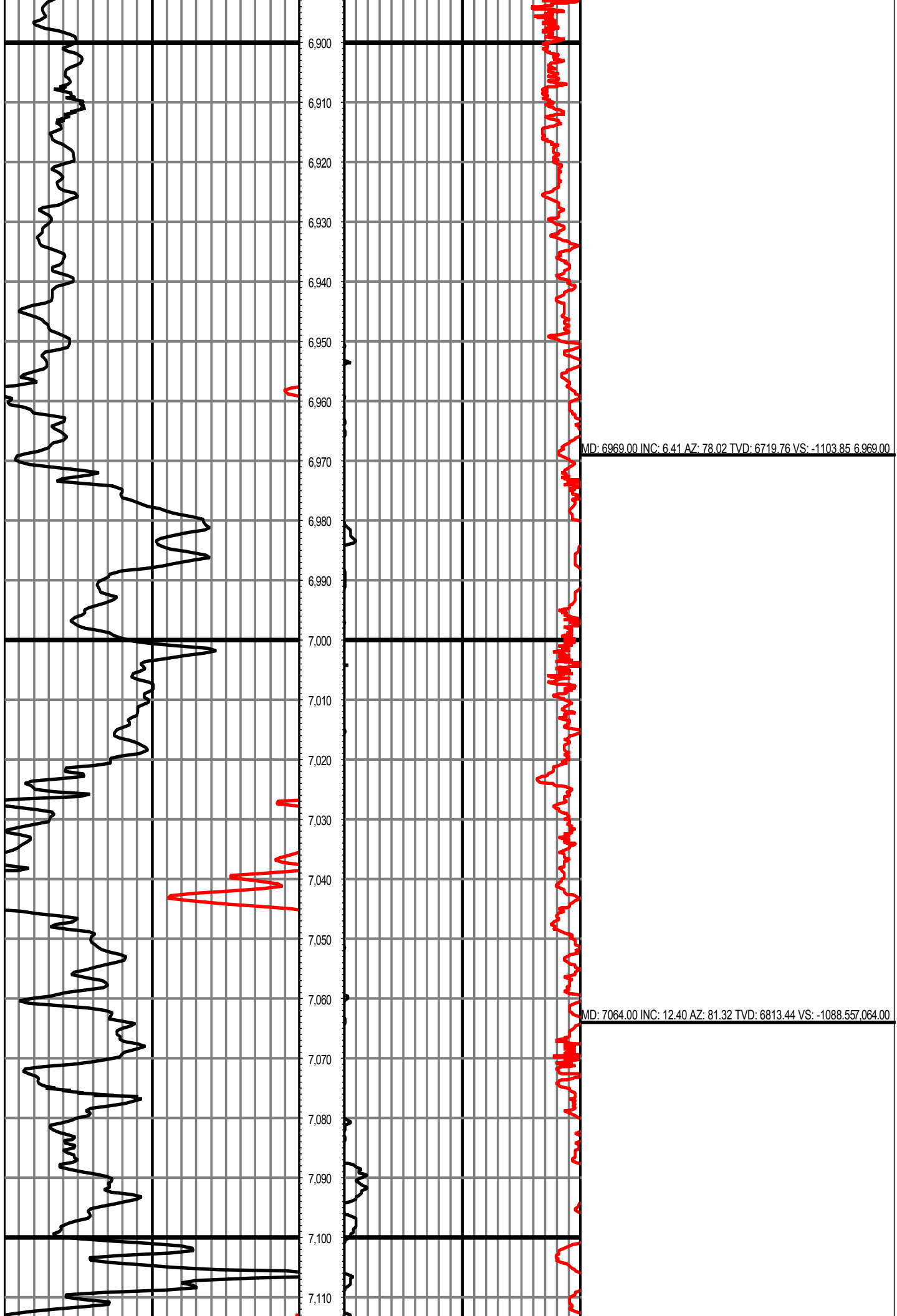


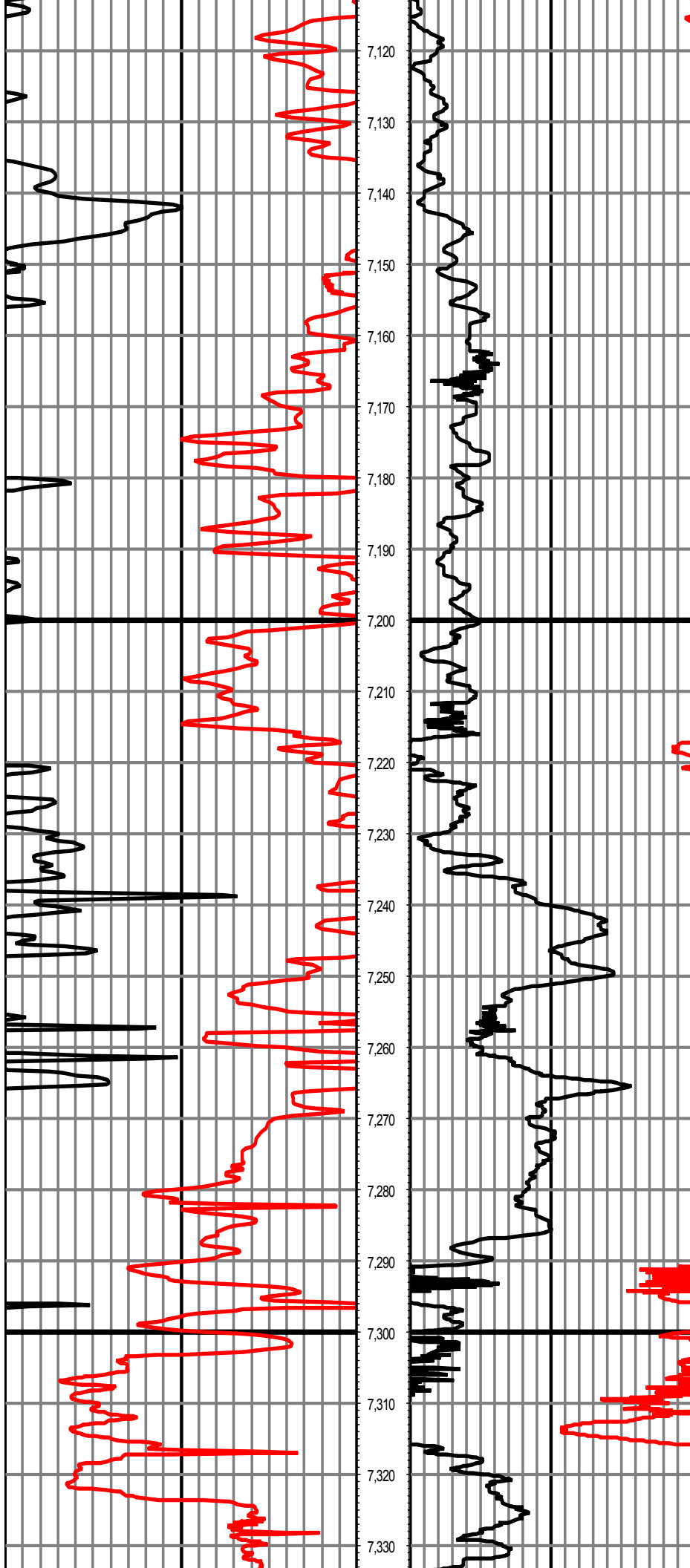




MD: 6684.00 INC: 4.50 AZ: 312.62 TVD: 6435.23 VS: -1107.996 684.00

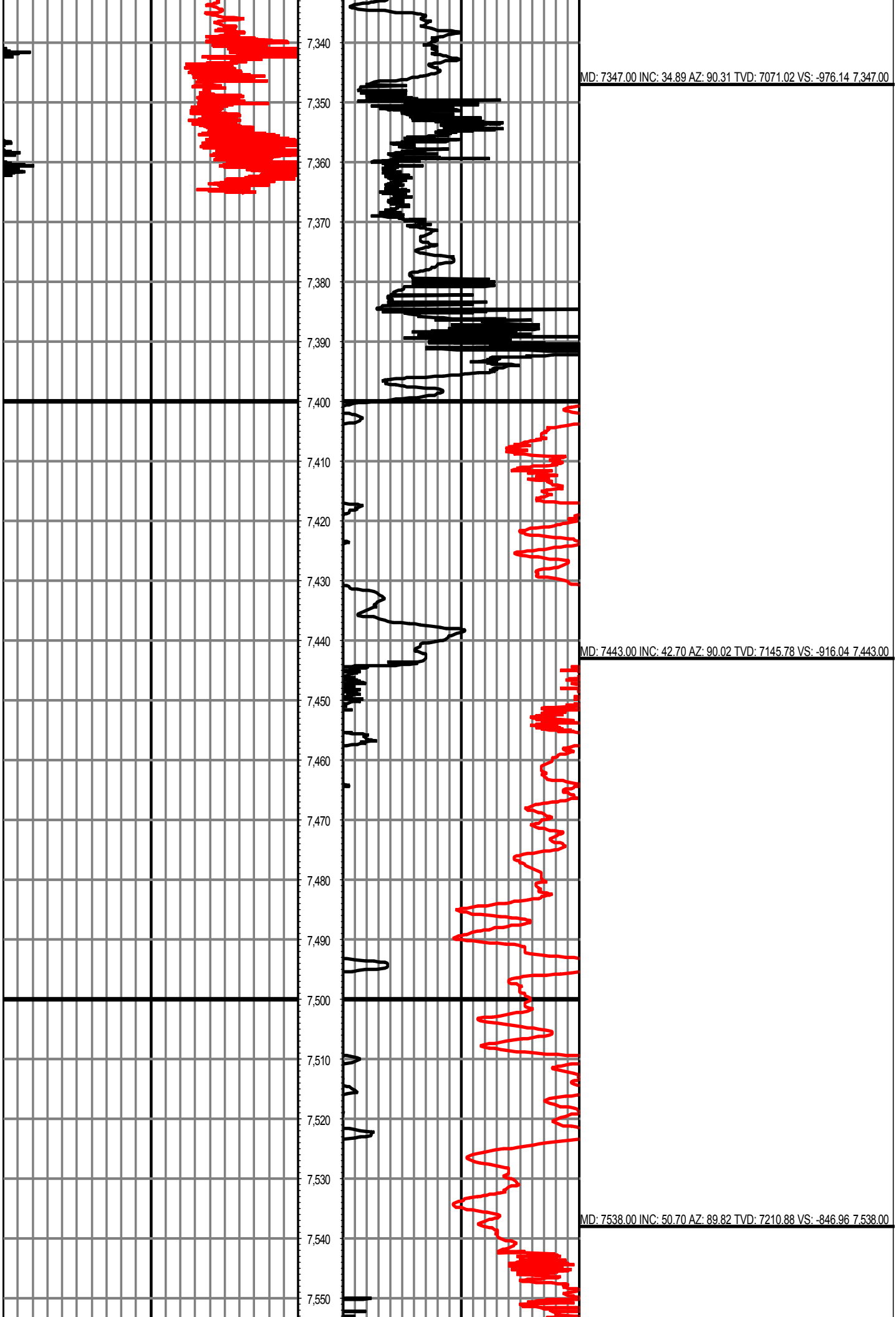
MD: 6874.00 INC: 1.90 AZ: 68.52 TVD: 6625.03 VS: -1110.51 6874.00

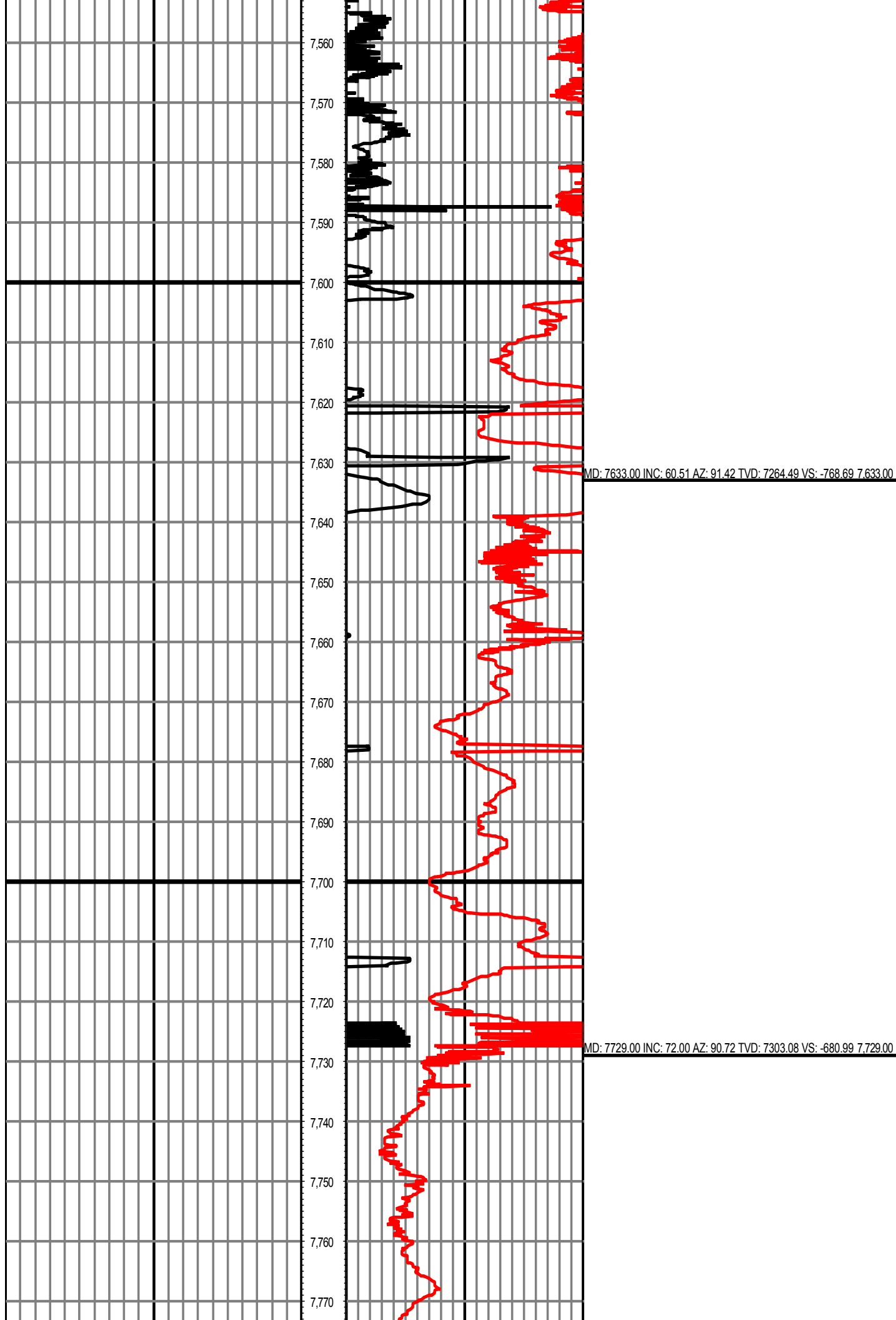


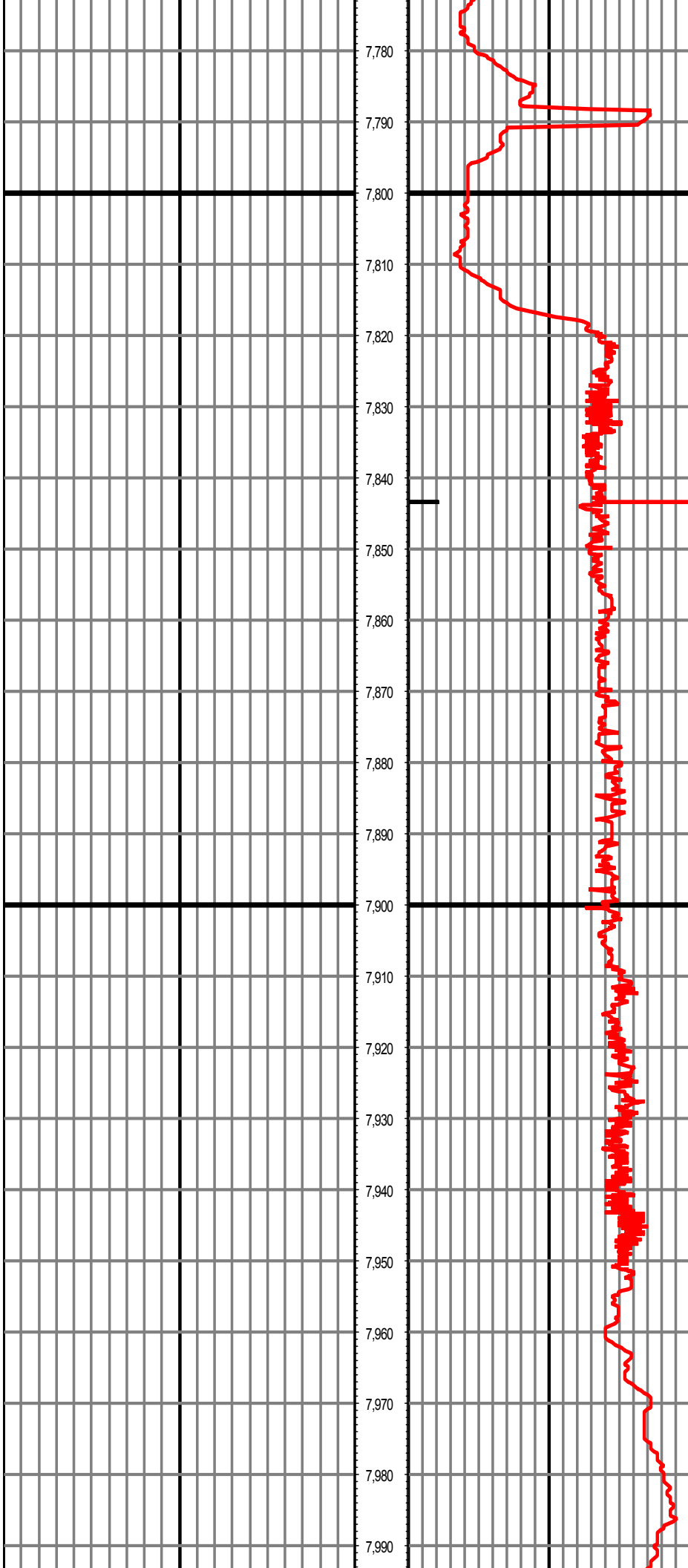


MD: 7157.00 INC: 19.50 AZ: 93.72 TVD: 6902.83 VS: -1063.147,157.00

MD: 7252.00 INC: 27.60 AZ: 94.02 TVD: 6989.84 VS: -1025.327,252.00

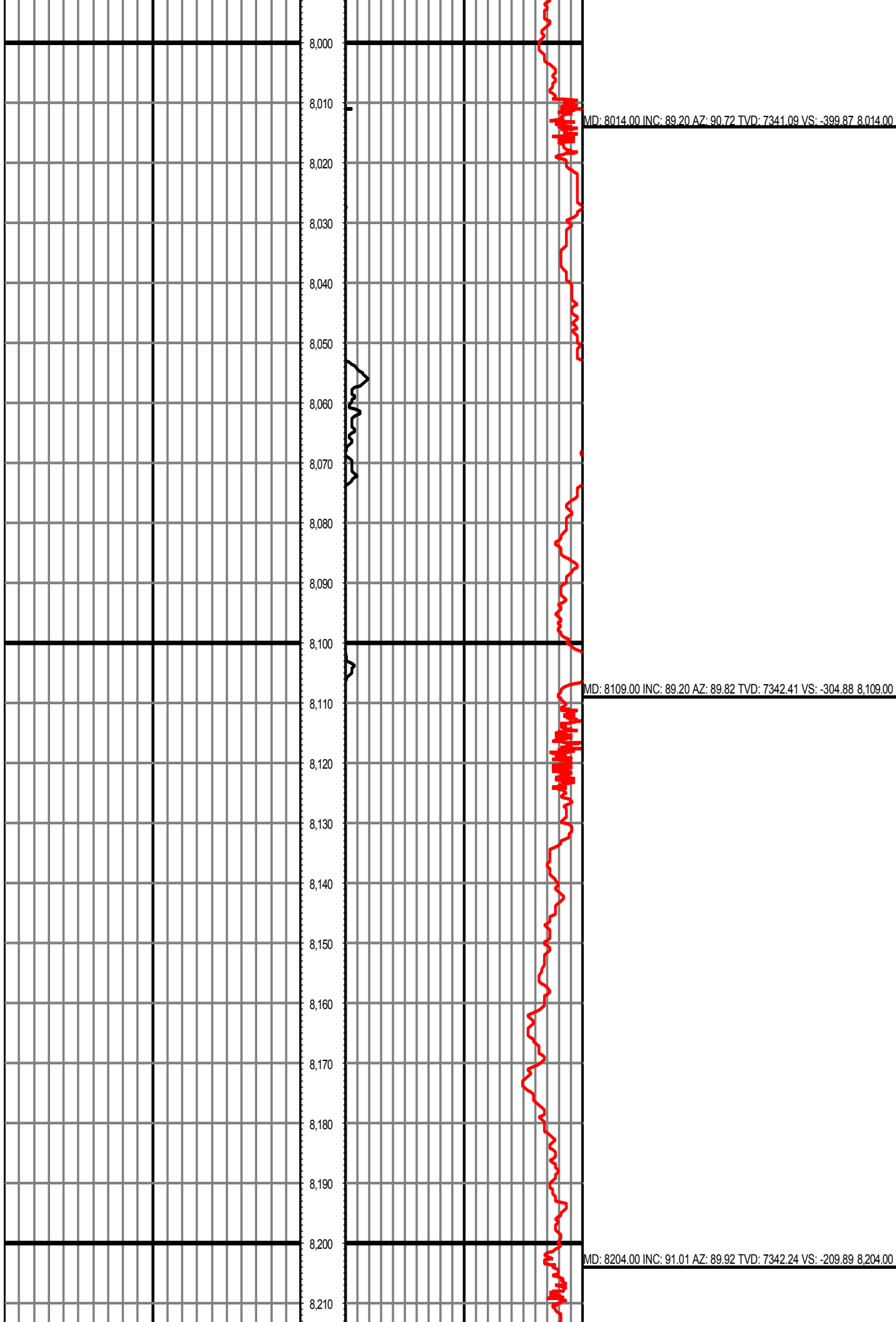


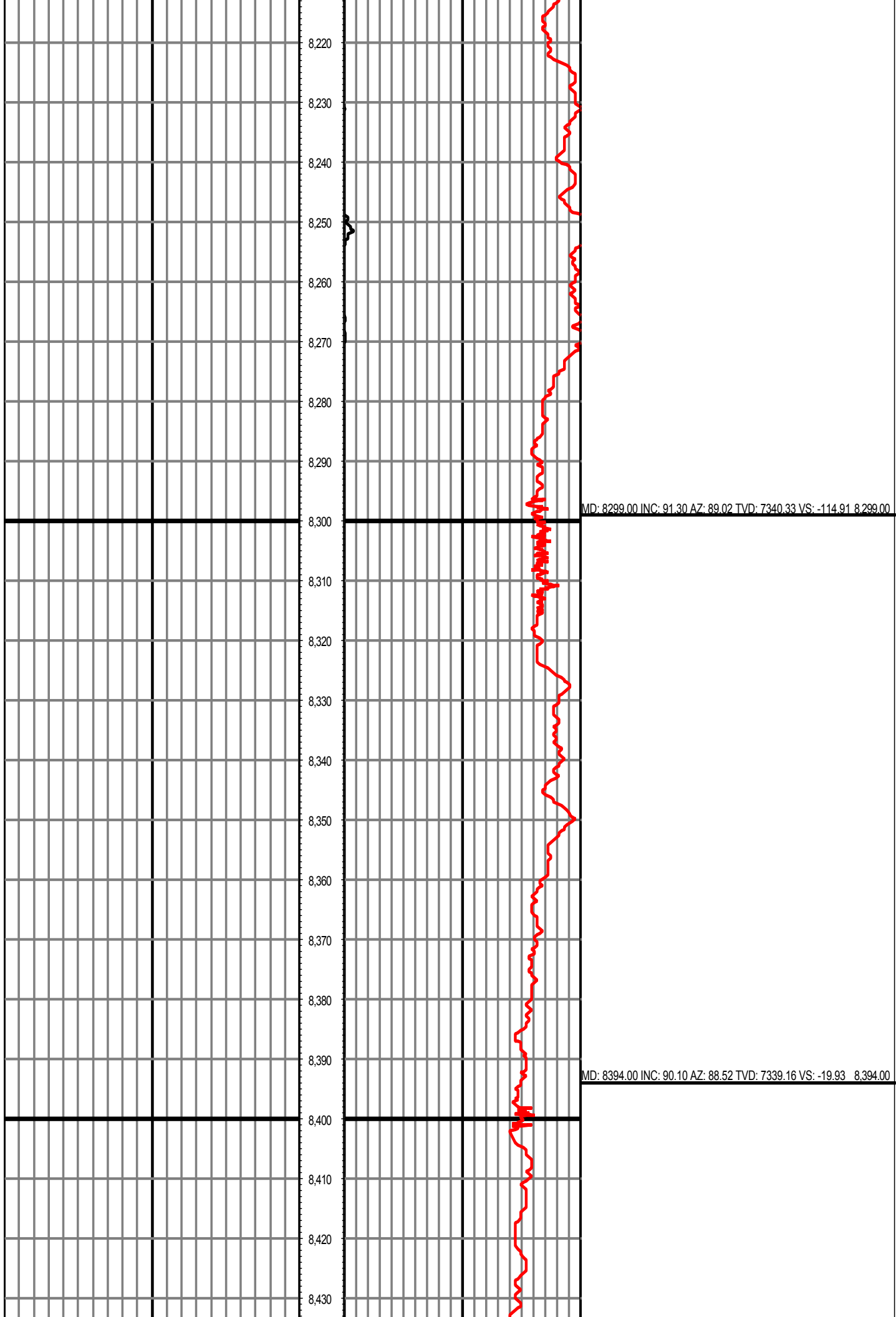


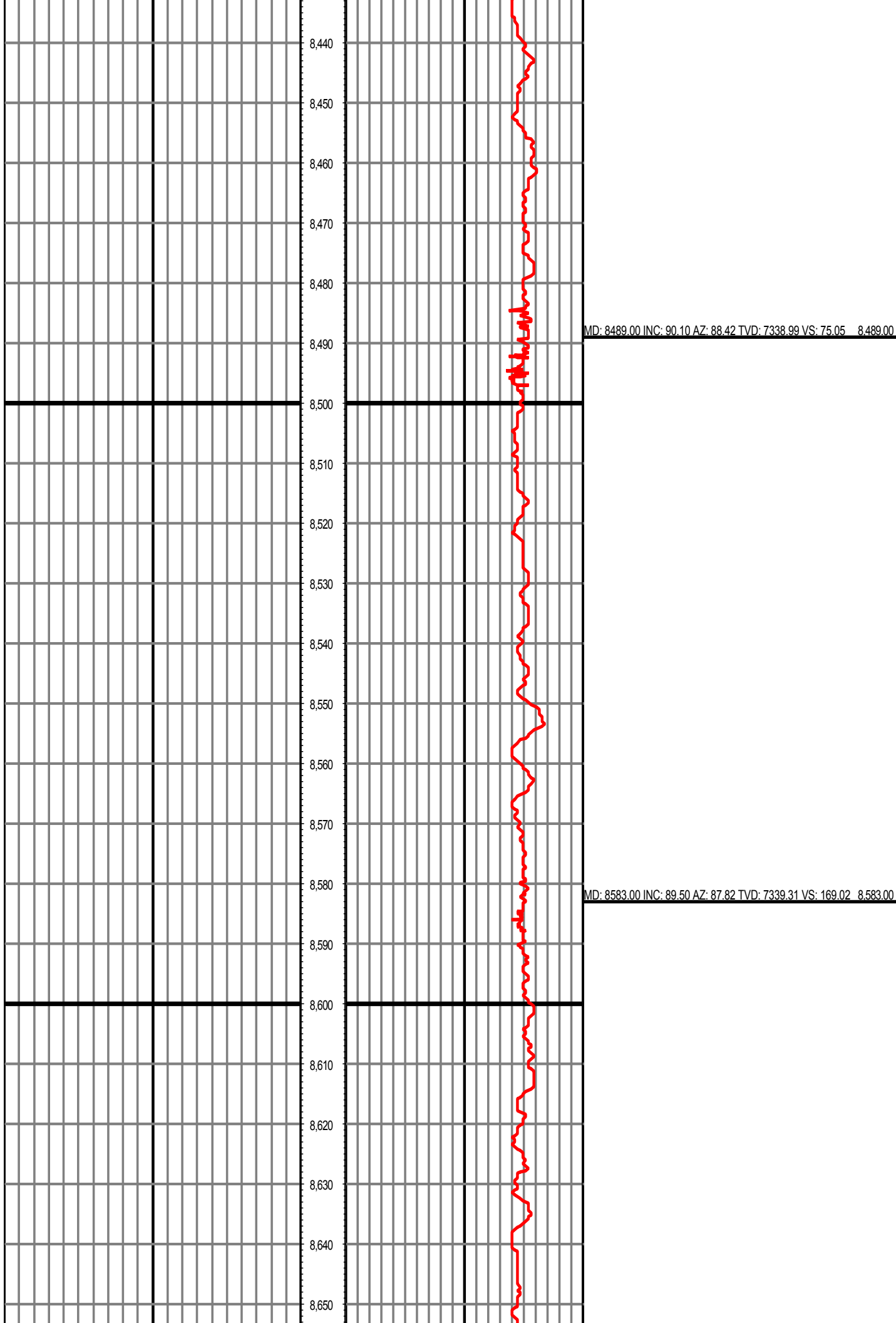


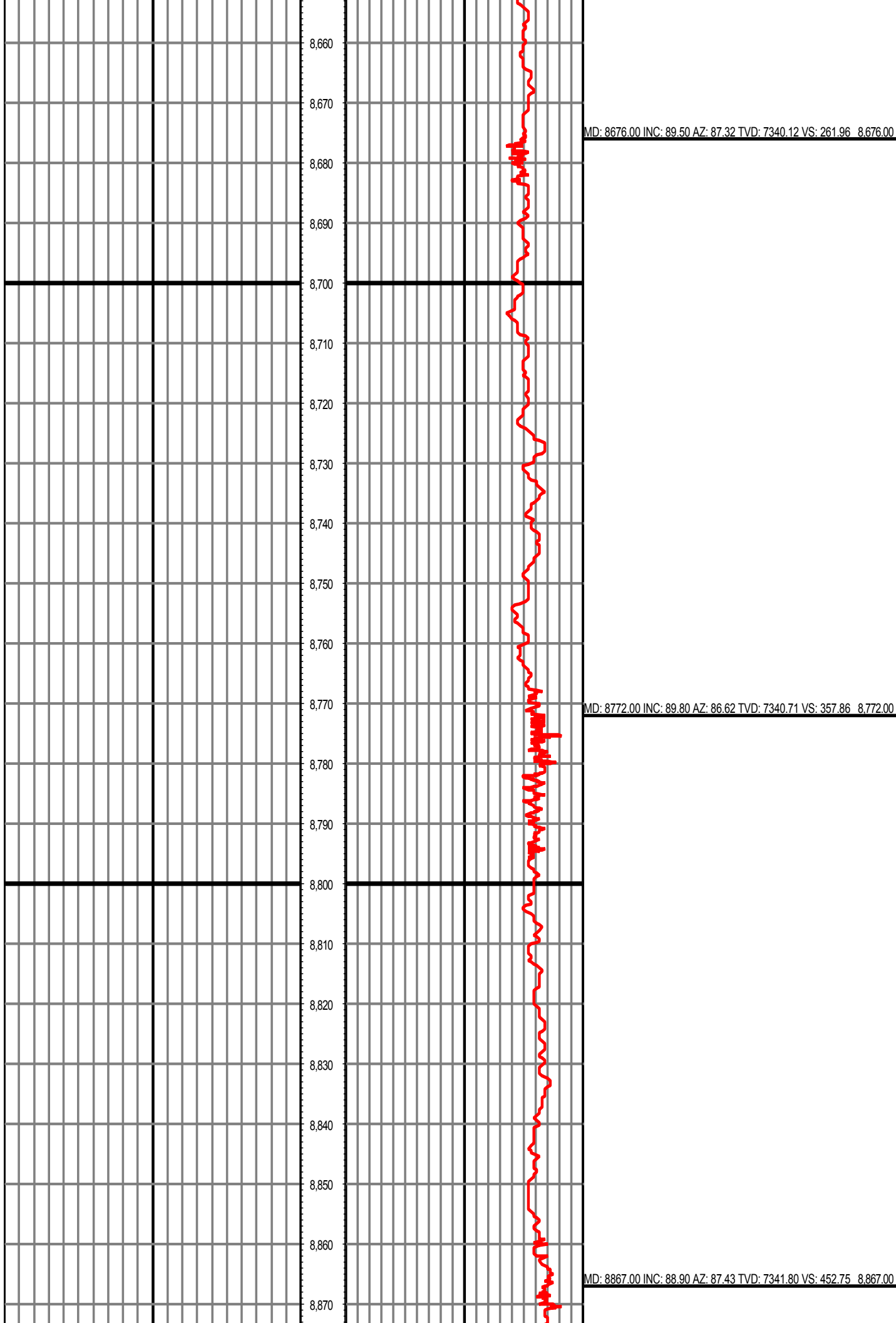
MD: 7824.00 INC: 80.21 AZ: 92.62 TVD: 7325.89 VS: -588.92 7,824.00

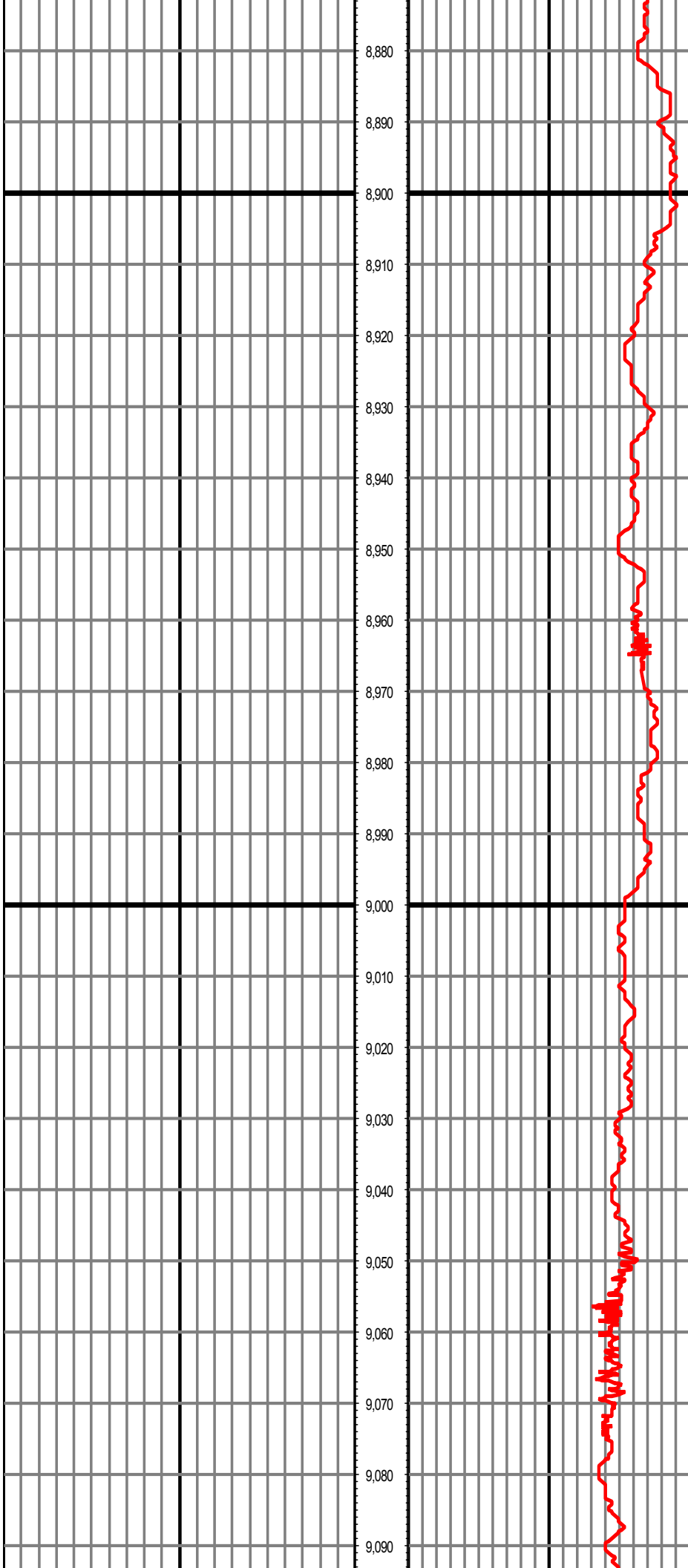
MD: 7919.00 INC: 86.11 AZ: 91.72 TVD: 7337.20 VS: -494.73 7,919.00











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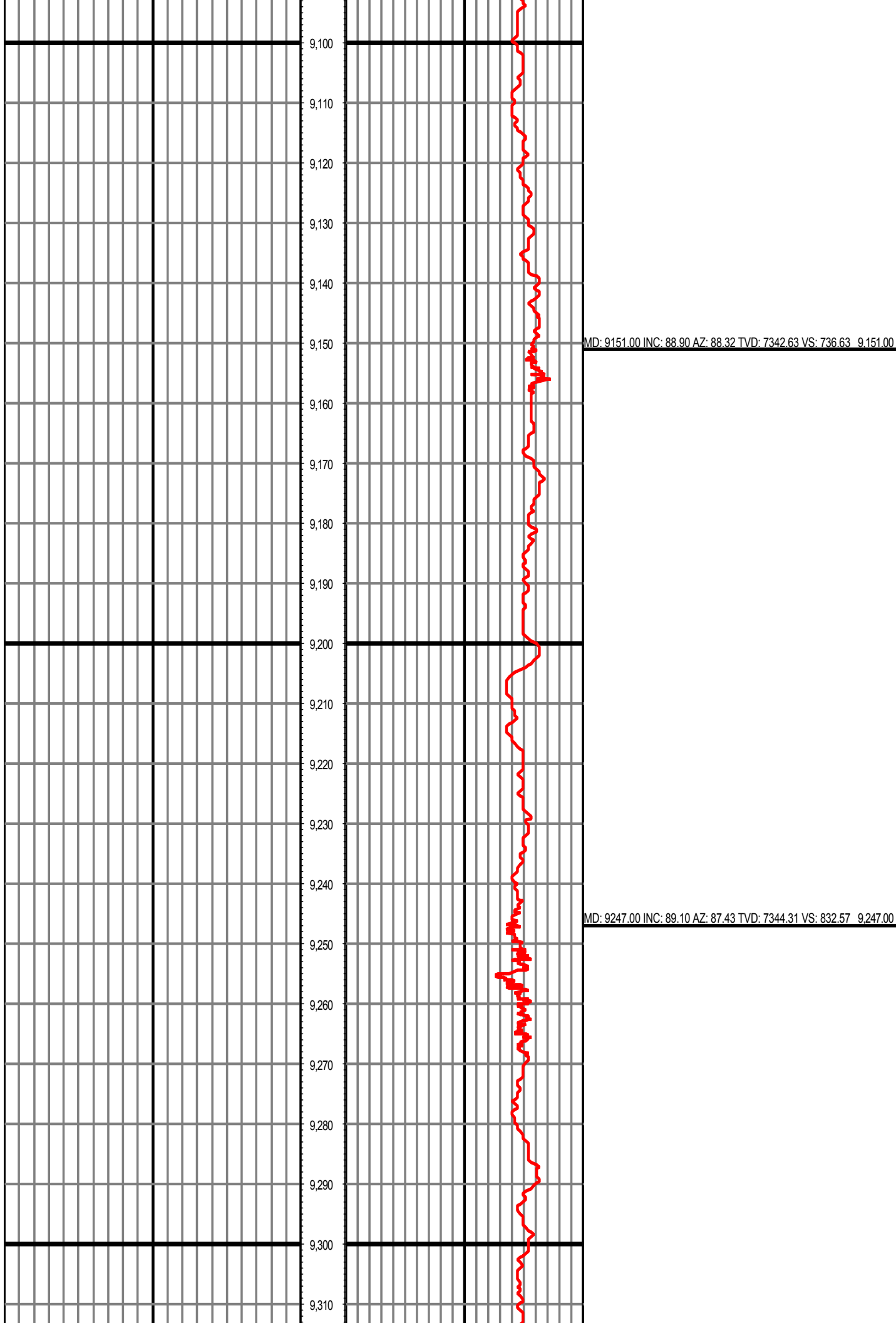
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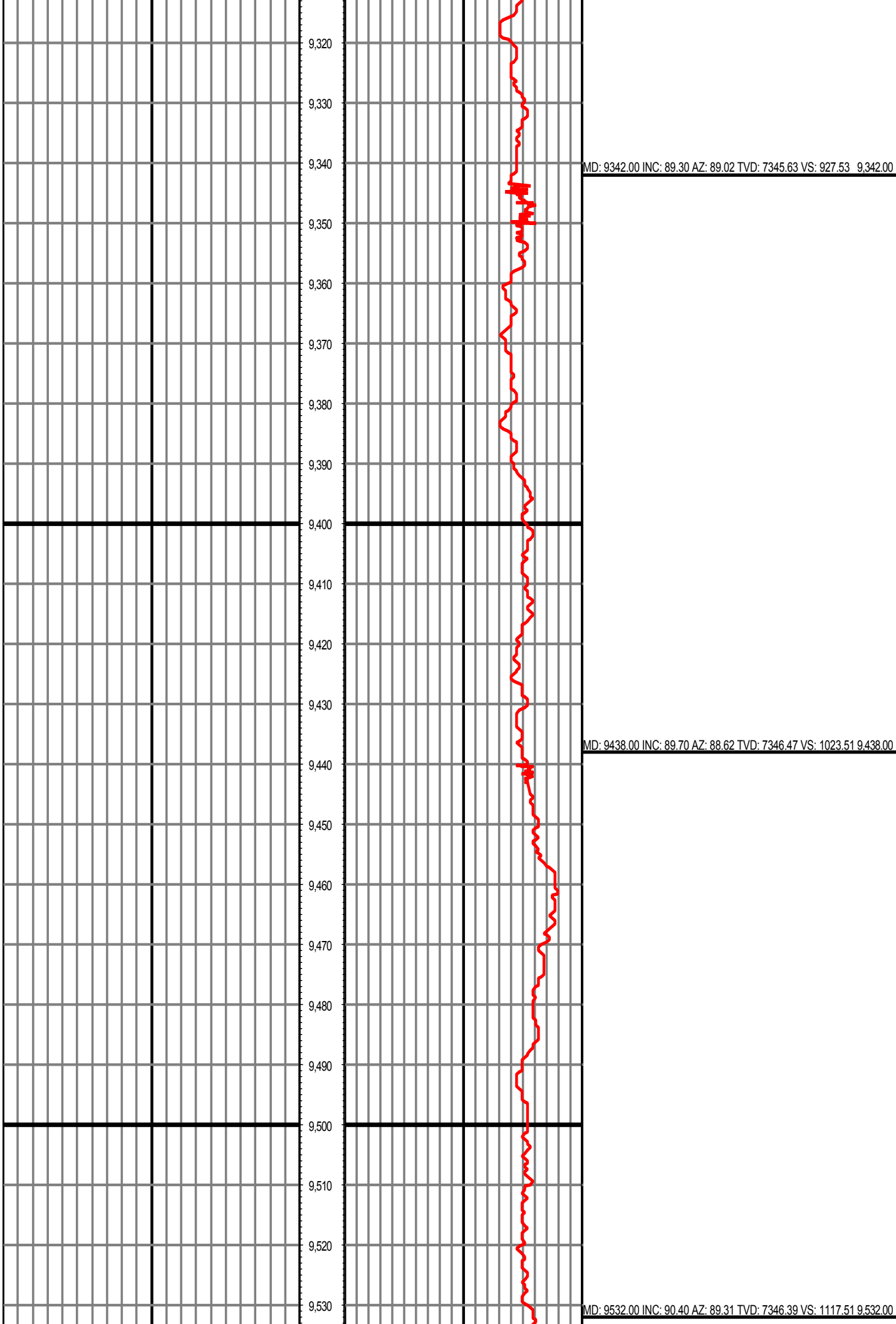
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9,090

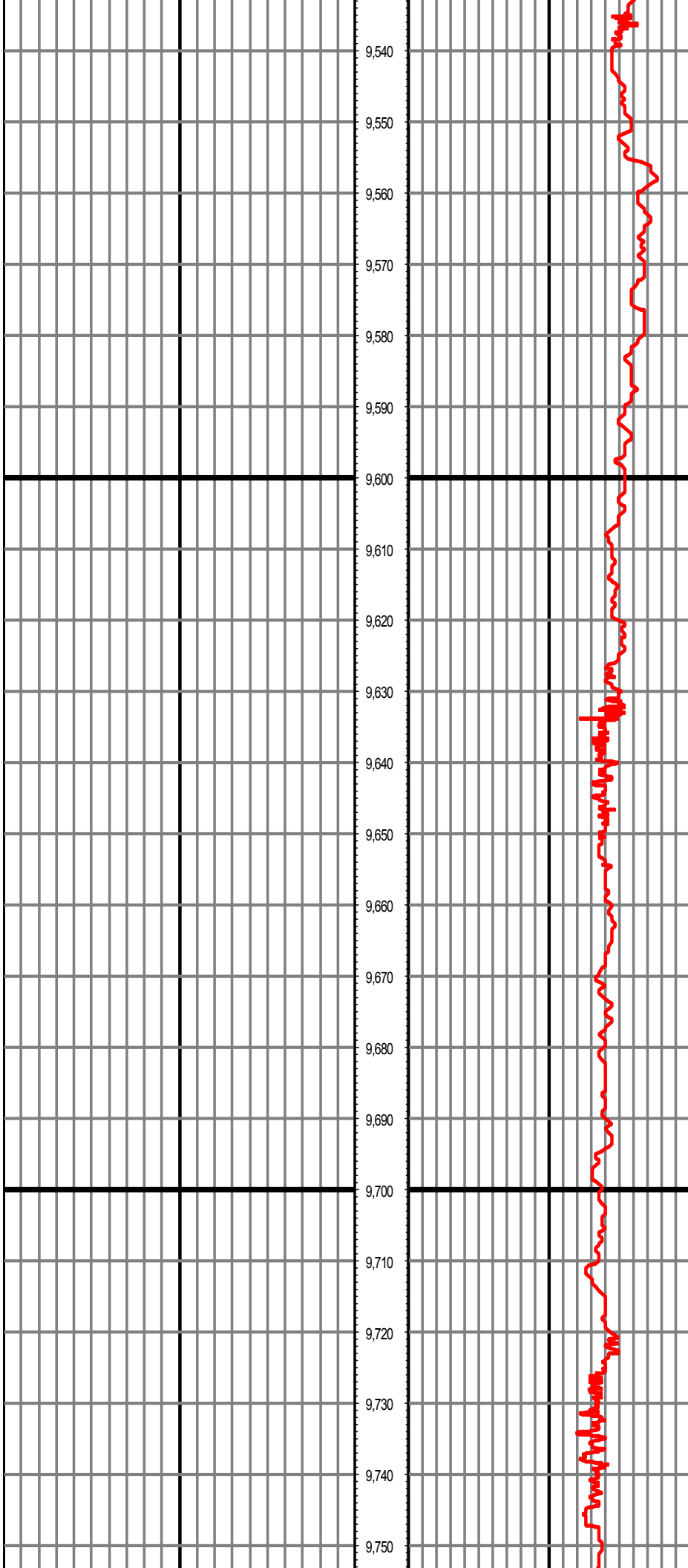
MD: 8961.00 INC: 89.90 AZ: 88.02 TVD: 7342.79 VS: 546.69 8,961.00

MD: 9056.00 INC: 90.70 AZ: 88.12 TVD: 7342.30 VS: 641.66 9,056.00



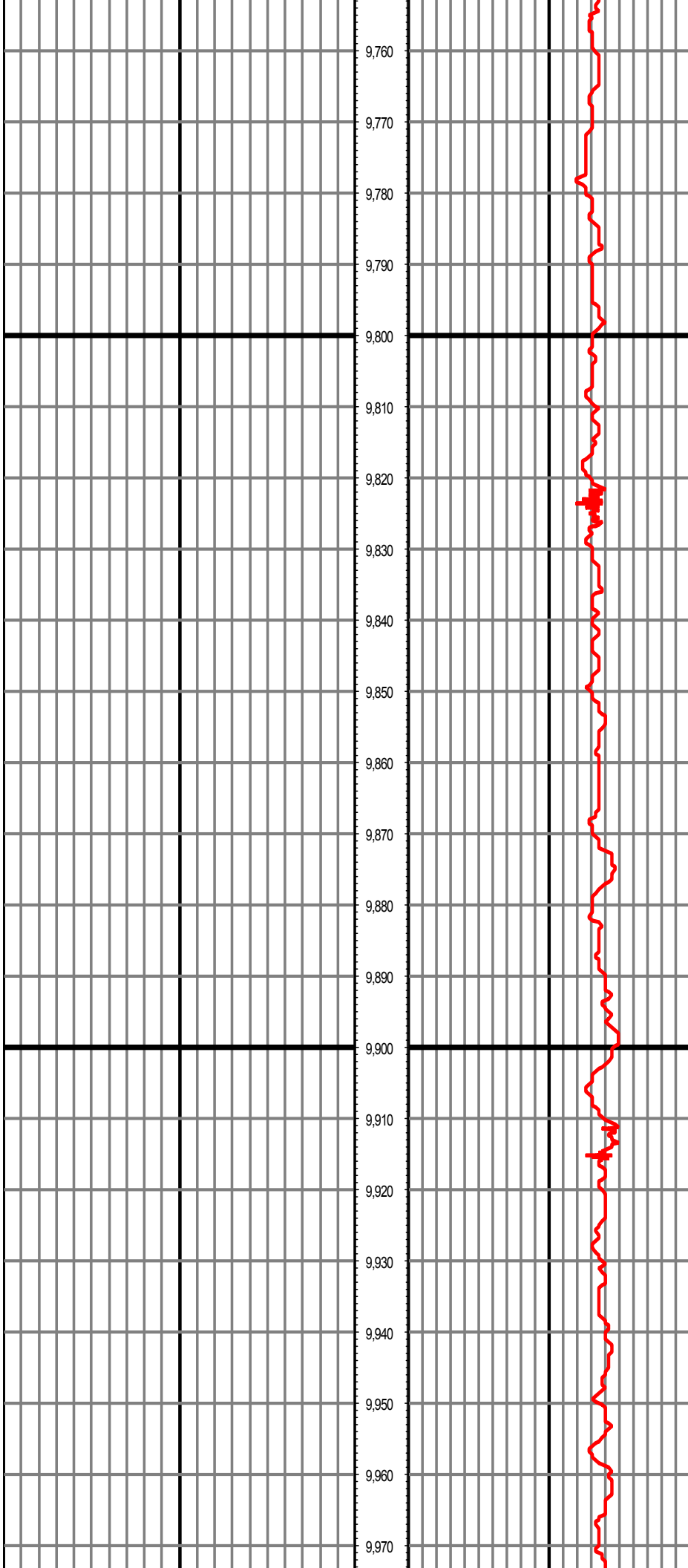


MD: 9532.00 INC: 90.40 AZ: 89.31 TVD: 7346.39 VS: 1117.51 9,532.00



MD: 9627.00 INC: 91.50 AZ: 88.82 TVD: 7344.81 VS: 1212.49 9,627.00

MD: 9723.00 INC: 90.10 AZ: 90.12 TVD: 7343.46 VS: 1308.47 9,723.00



9,760

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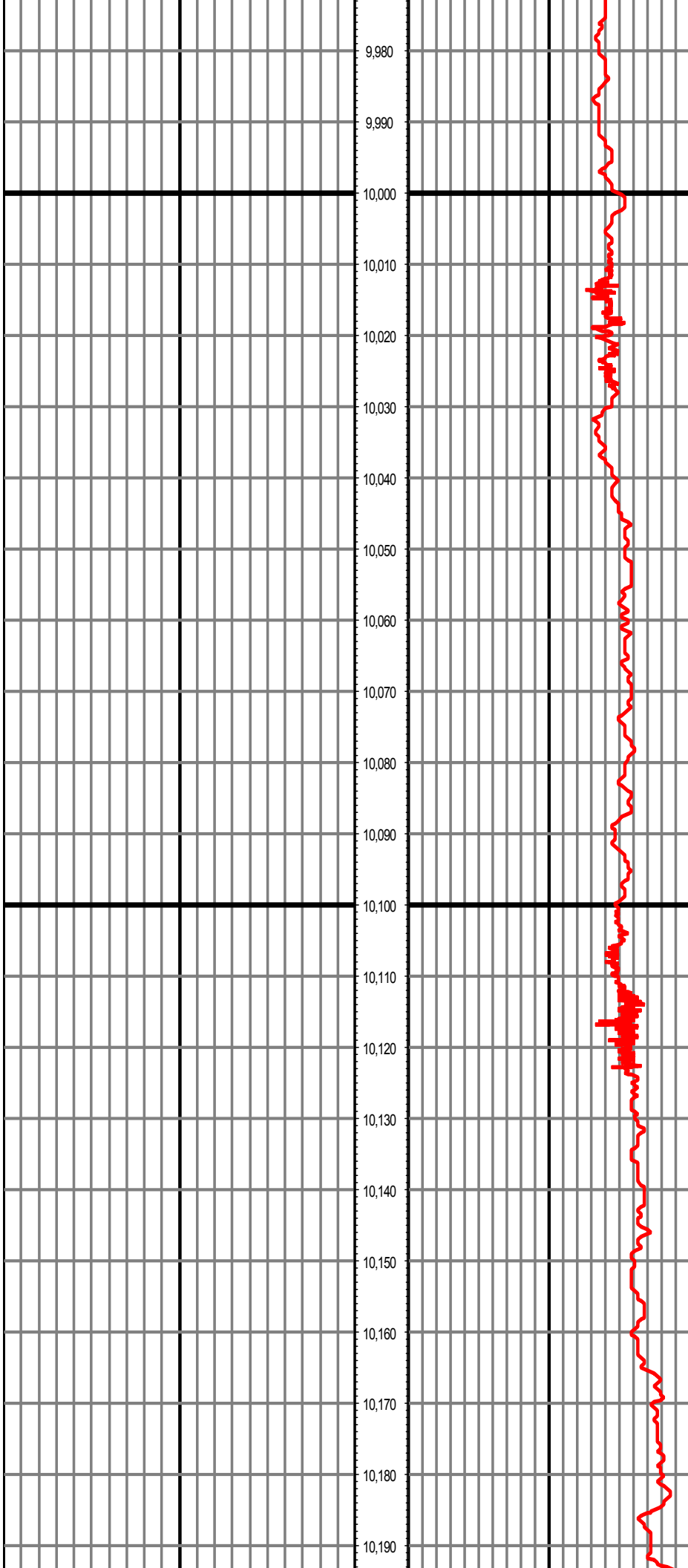
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9,960

9,970

MD: 9818.00 INC: 88.40 AZ: 89.92 TVD: 7344.70 VS: 1403.46 9.818.00

MD: 9912.00 INC: 88.10 AZ: 89.12 TVD: 7347.57 VS: 1497.42 9.912.00



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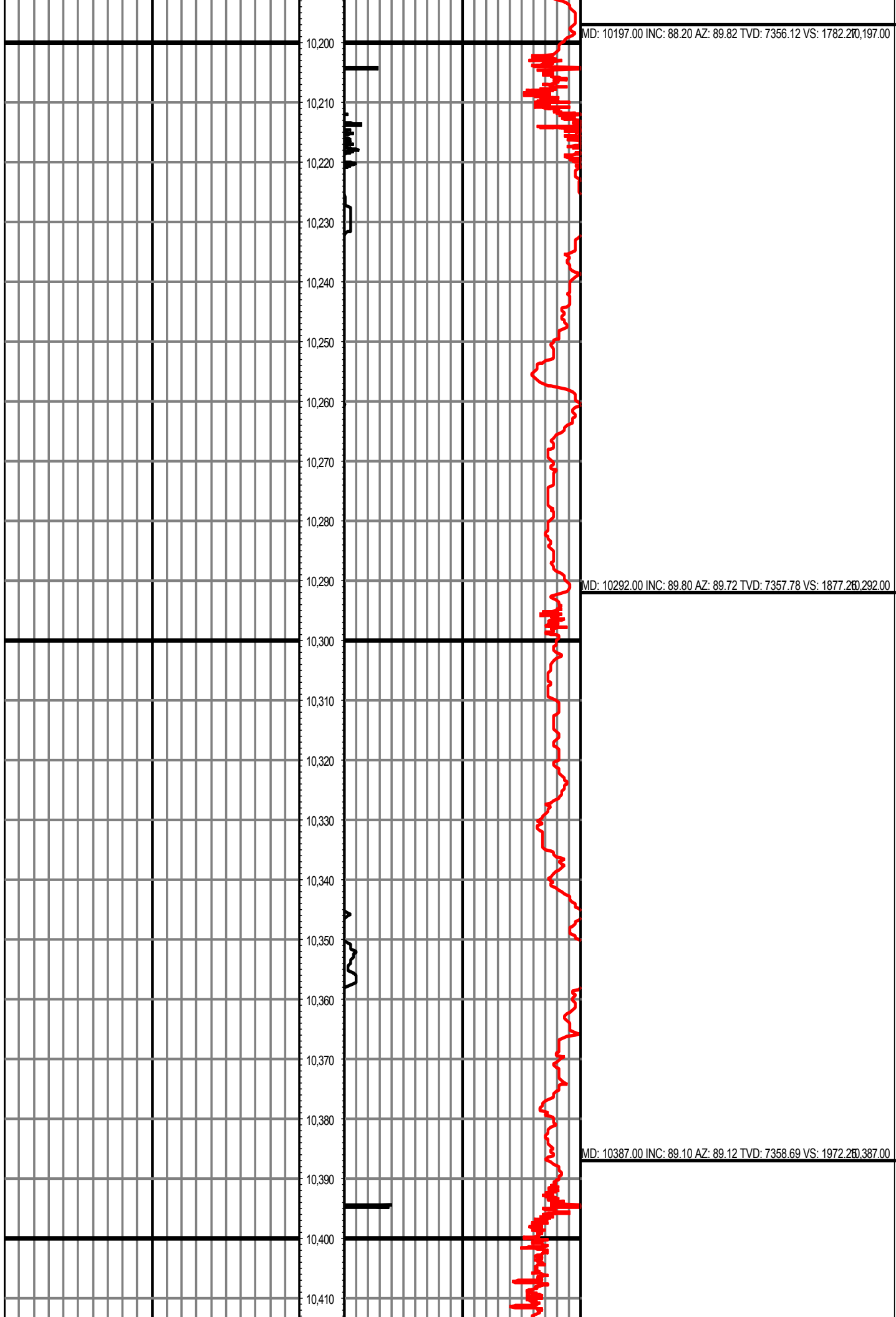
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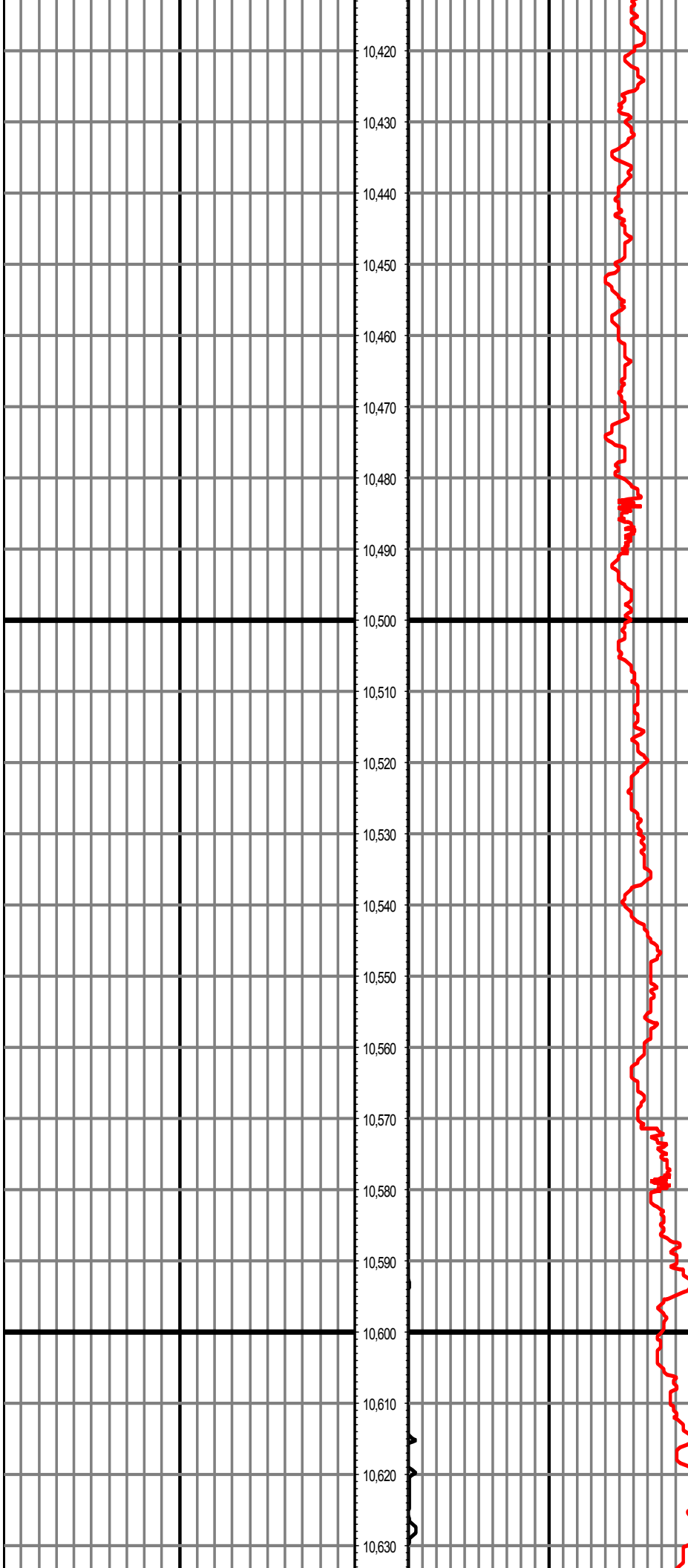
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MD: 10008.00 INC: 87.99 AZ: 88.72 TVD: 7350.84 VS: 1593.36 10,008.00

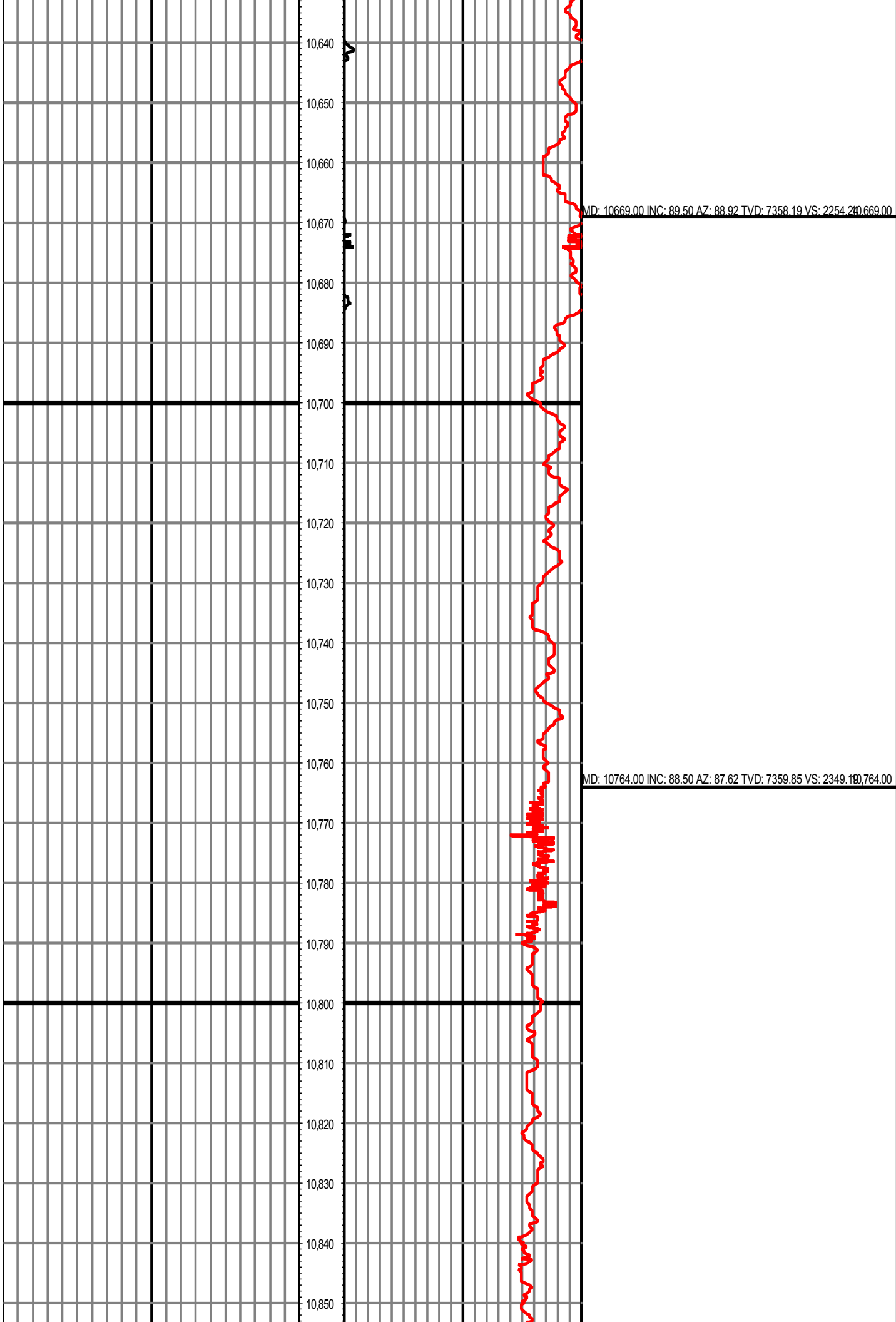
MD: 10102.00 INC: 88.70 AZ: 90.22 TVD: 7353.55 VS: 1687.31 10,102.00

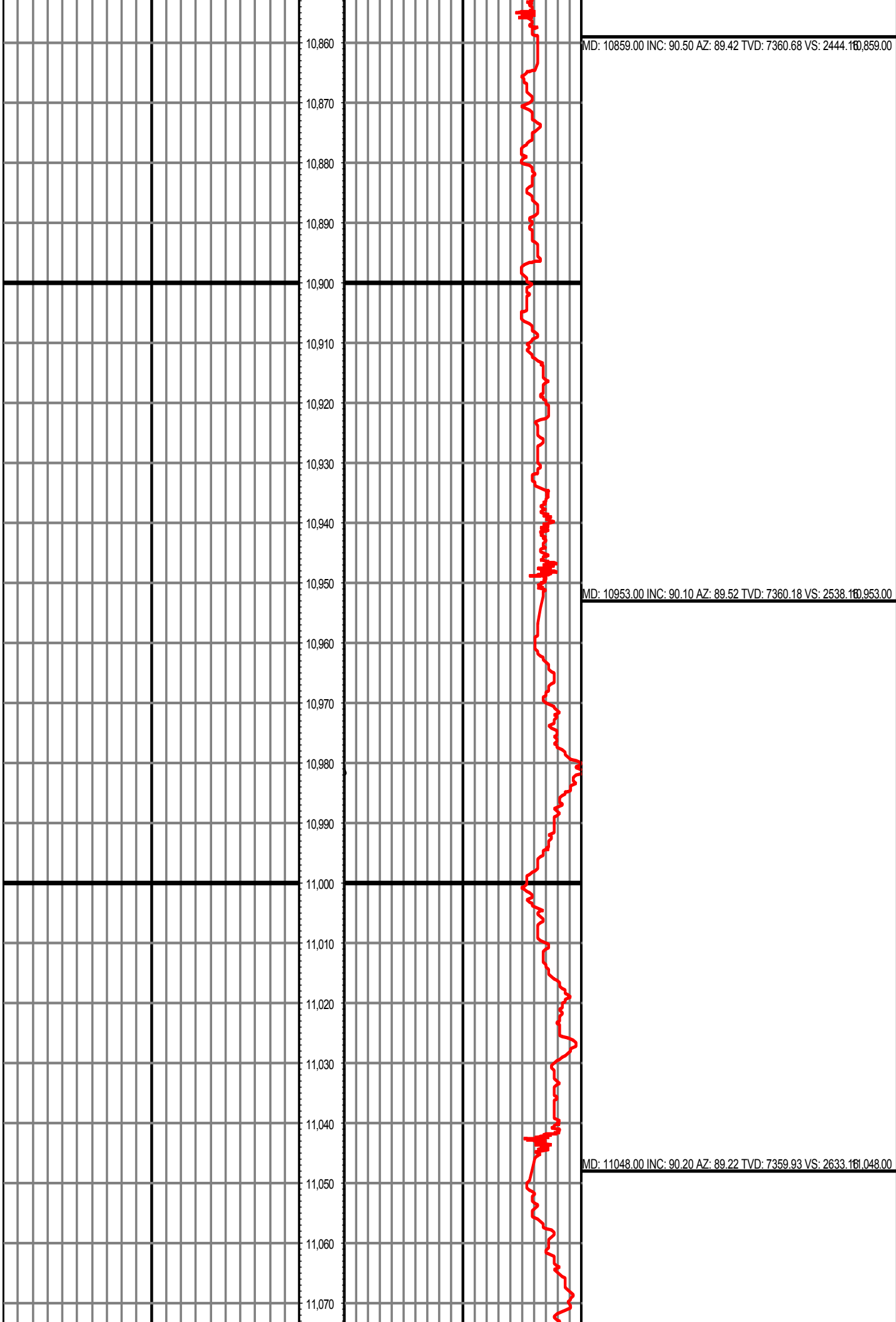


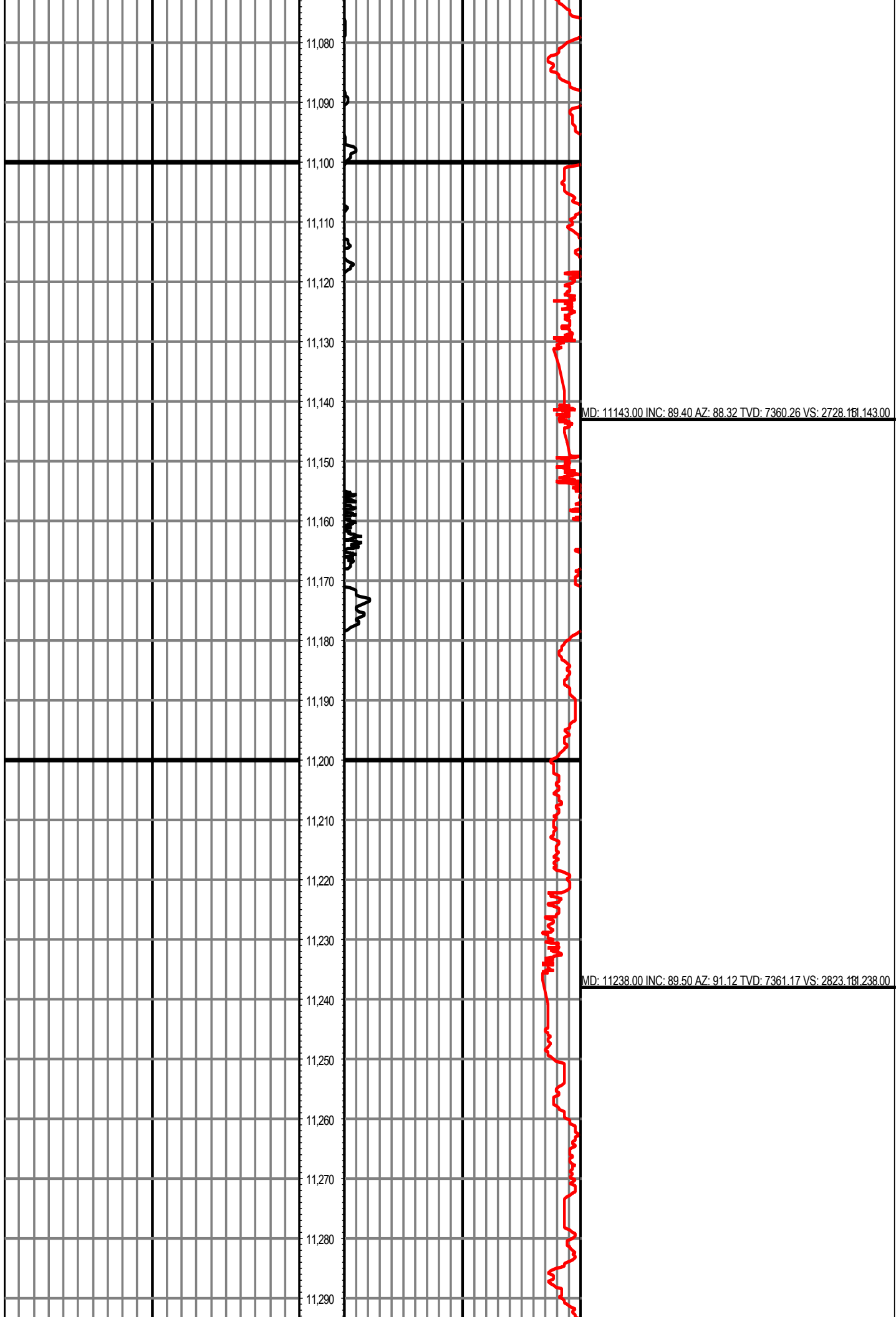


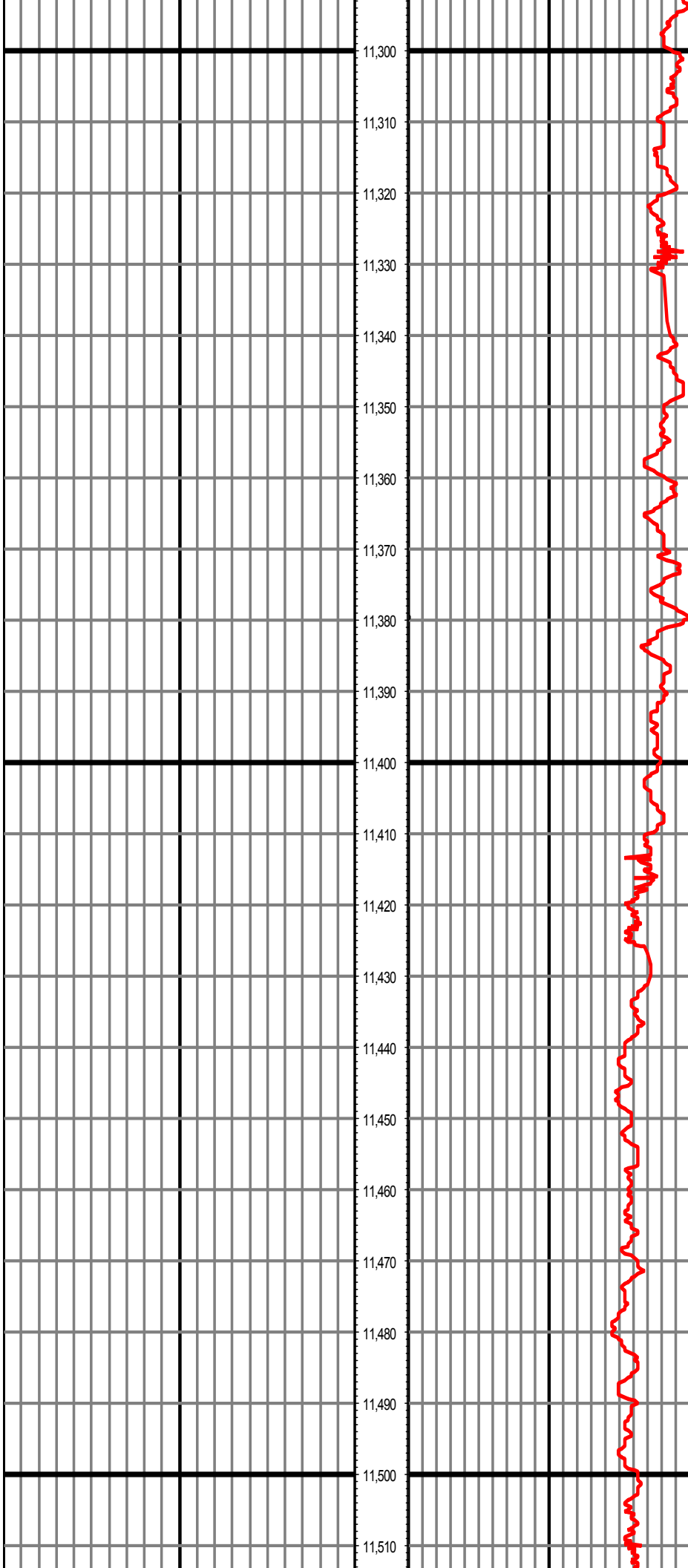
MD: 10480.00 INC: 90.80 AZ: 89.52 TVD: 7358.77 VS: 2065.210,480.00

MD: 10574.00 INC: 90.20 AZ: 89.42 TVD: 7357.95 VS: 2159.210,574.00









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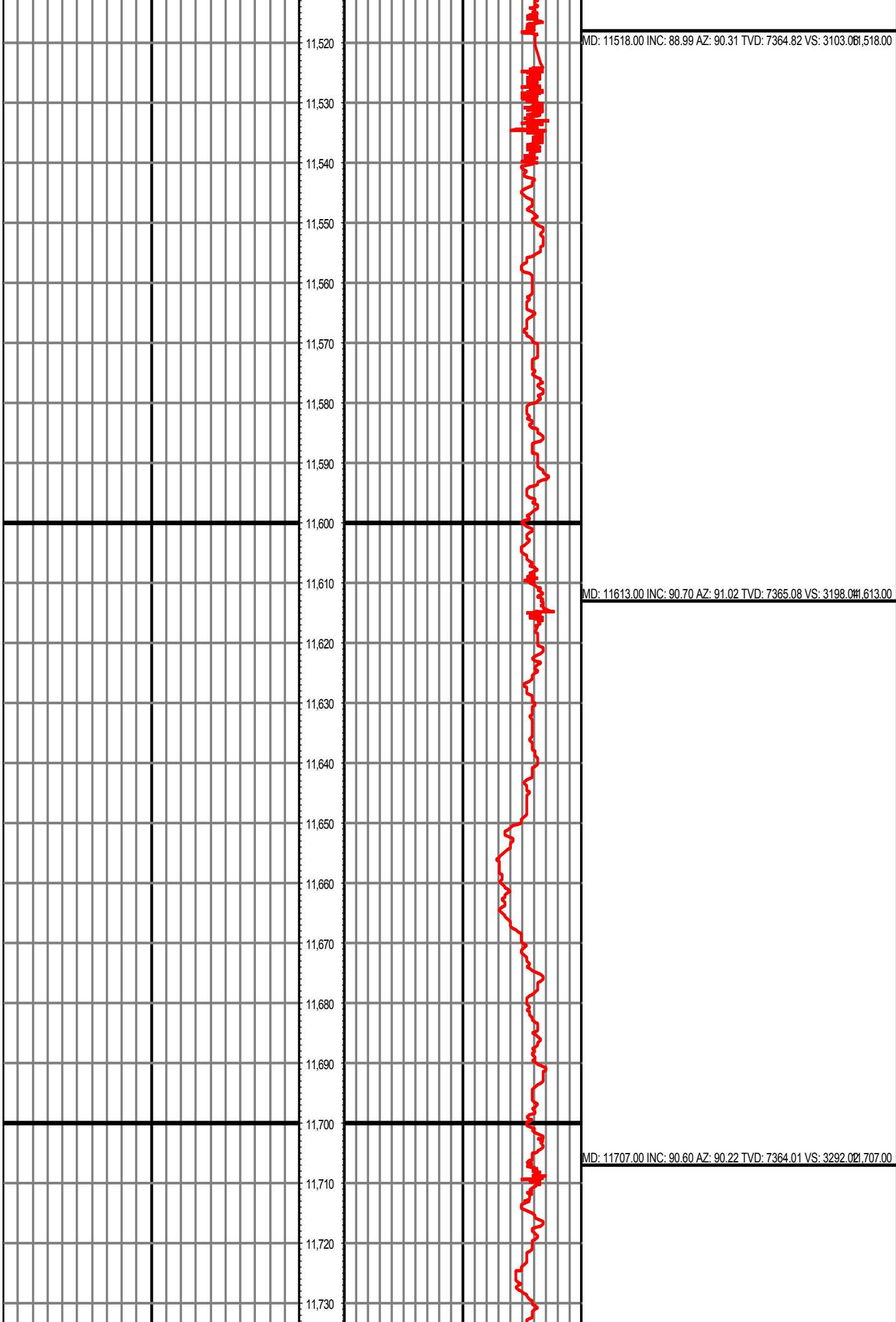
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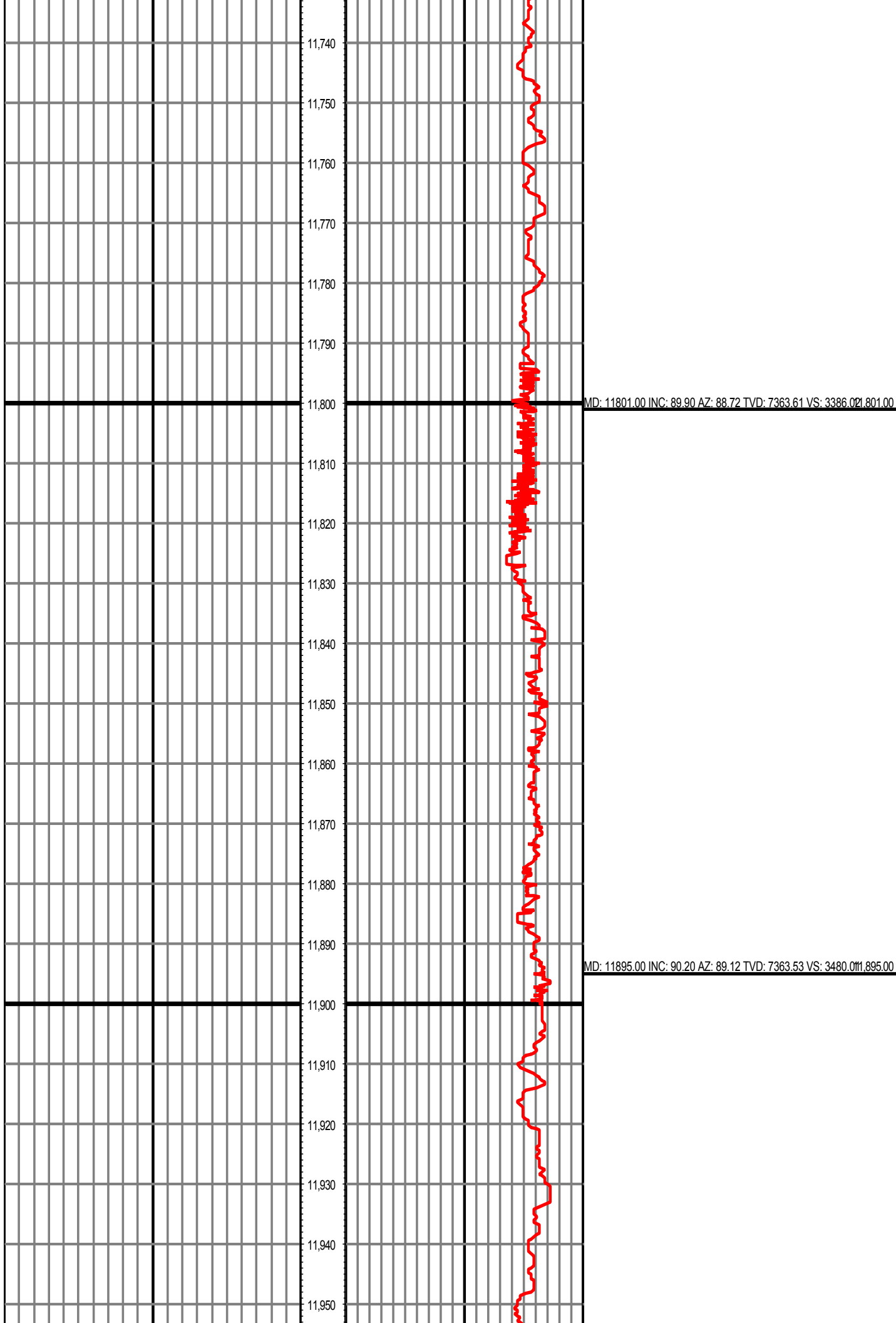
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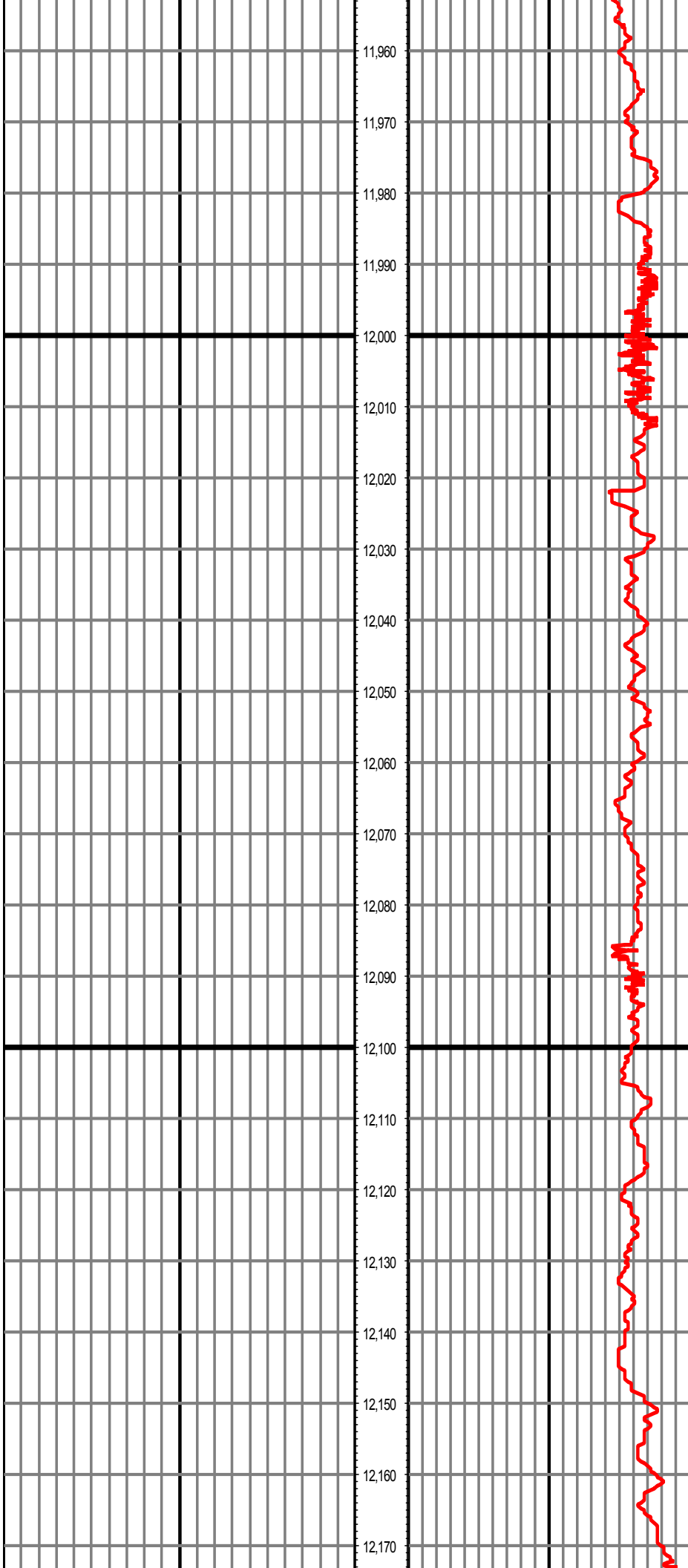
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MD: 11333.00 INC: 89.30 AZ: 90.62 TVD: 7362.16 VS: 2918.11 11333.00

MD: 11426.00 INC: 89.20 AZ: 90.52 TVD: 7363.37 VS: 3011.08 11426.00







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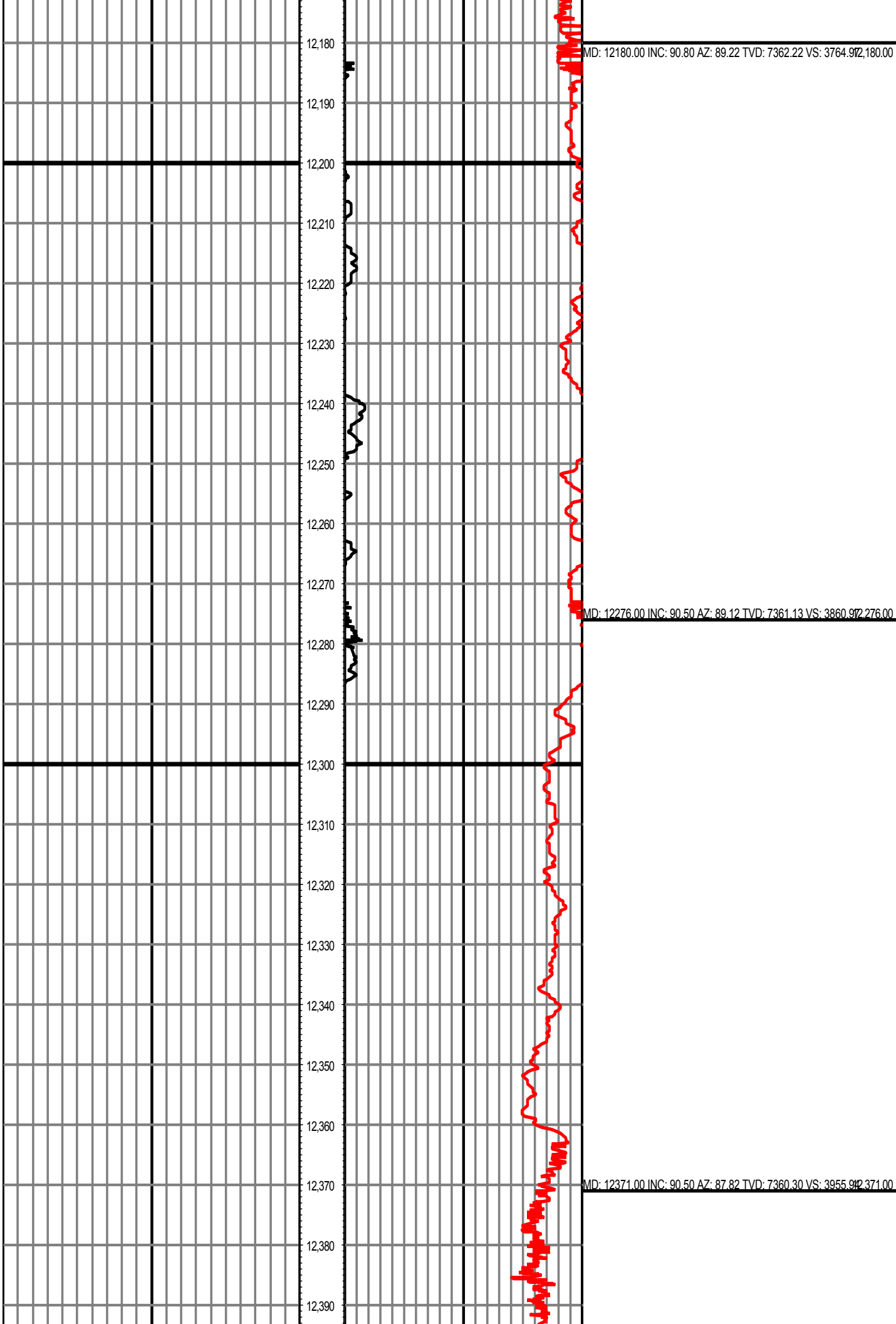
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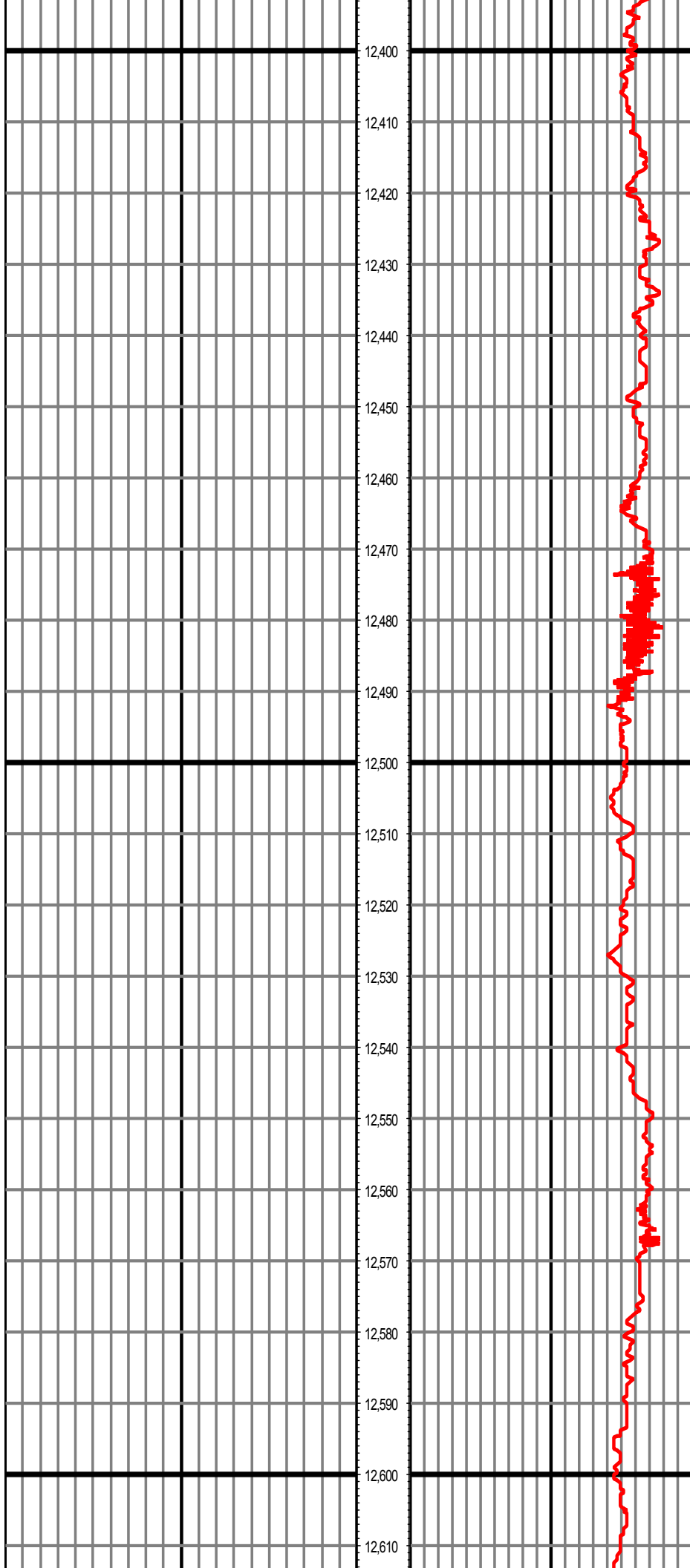
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MD: 11991.00 INC: 89.60 AZ: 88.12 TVD: 7363.69 VS: 3575.99 11991.00

MD: 12086.00 INC: 90.70 AZ: 89.82 TVD: 7363.45 VS: 3670.98 12086.00





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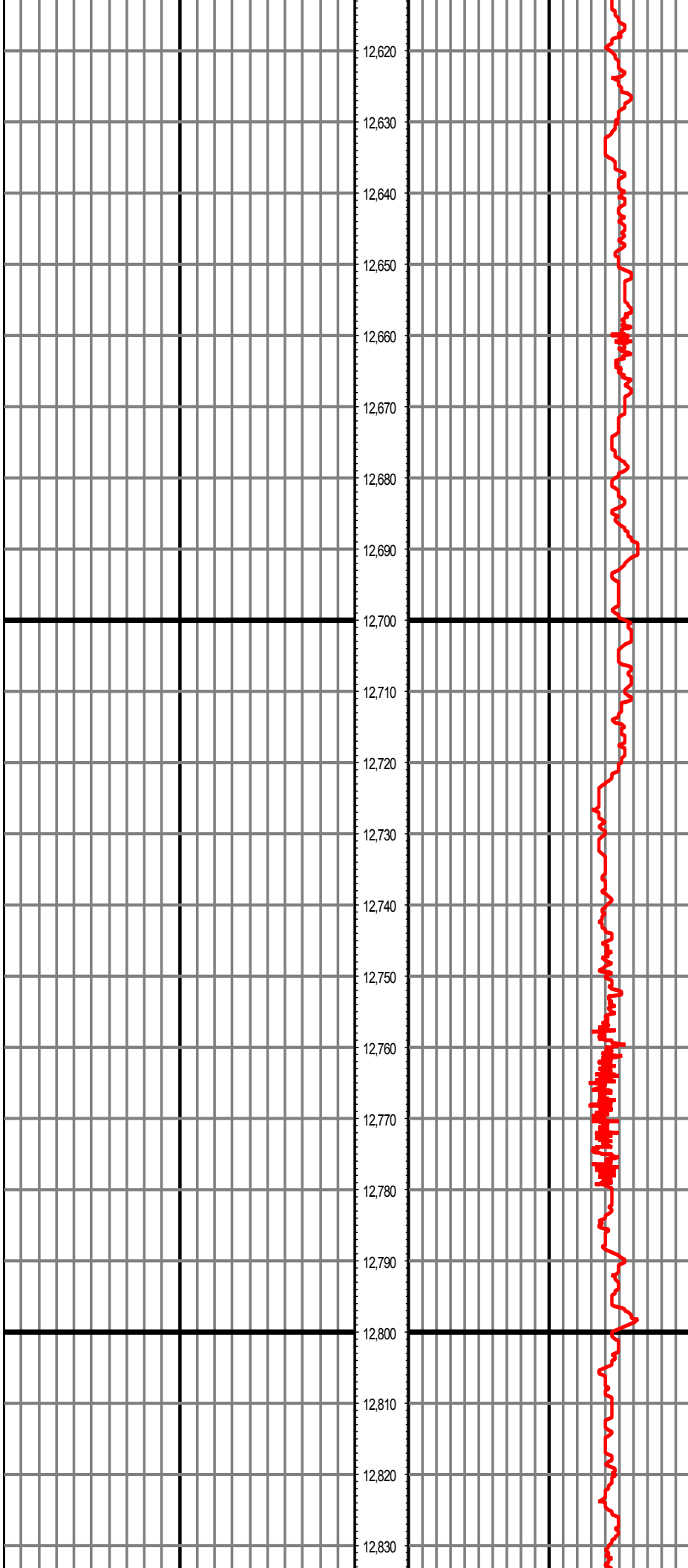
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MD: 12466.00 INC: 90.30 AZ: 89.22 TVD: 7359.64 VS: 4050.92 466.00

MD: 12561.00 INC: 90.20 AZ: 89.62 TVD: 7359.22 VS: 4145.92 561.00



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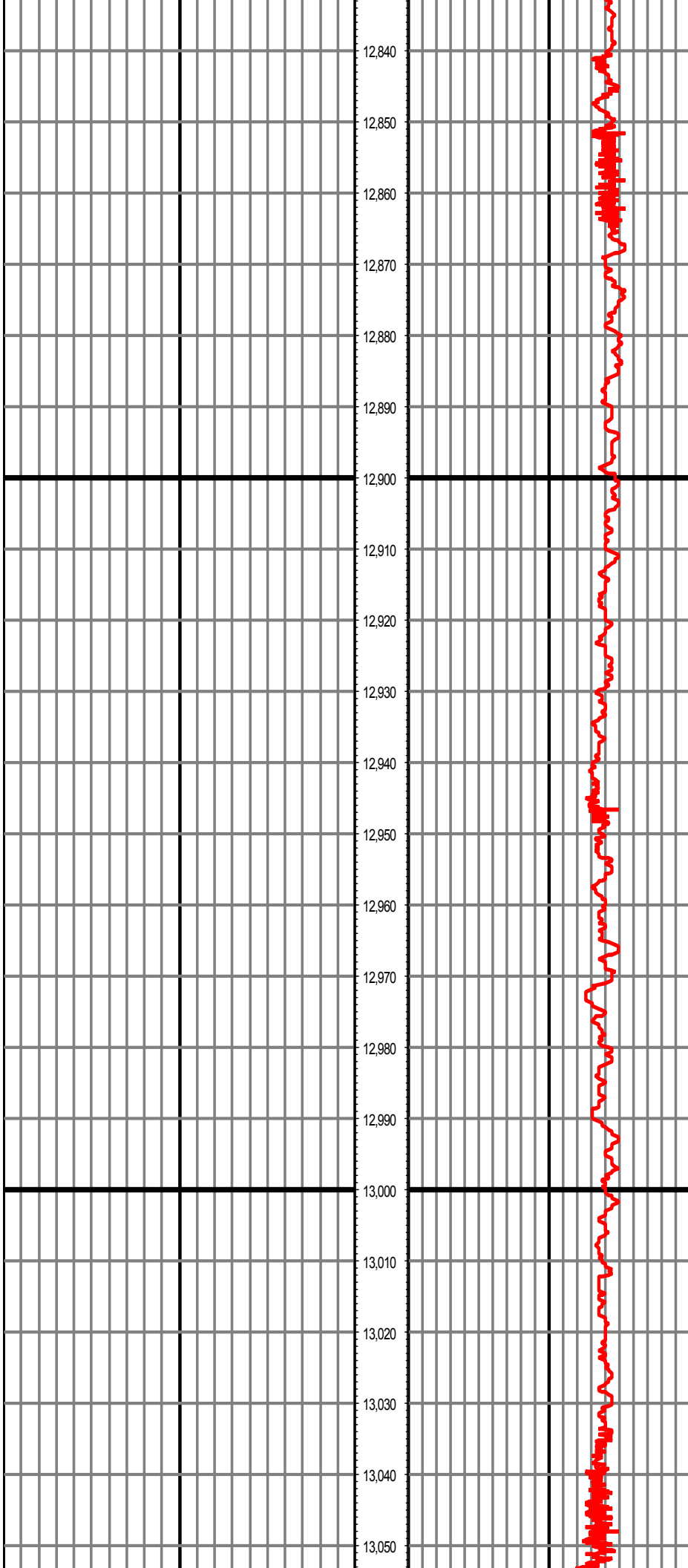
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MD: 12656.00 INC: 90.70 AZ: 89.52 TVD: 7358.47 VS: 4240.91 12,656.00

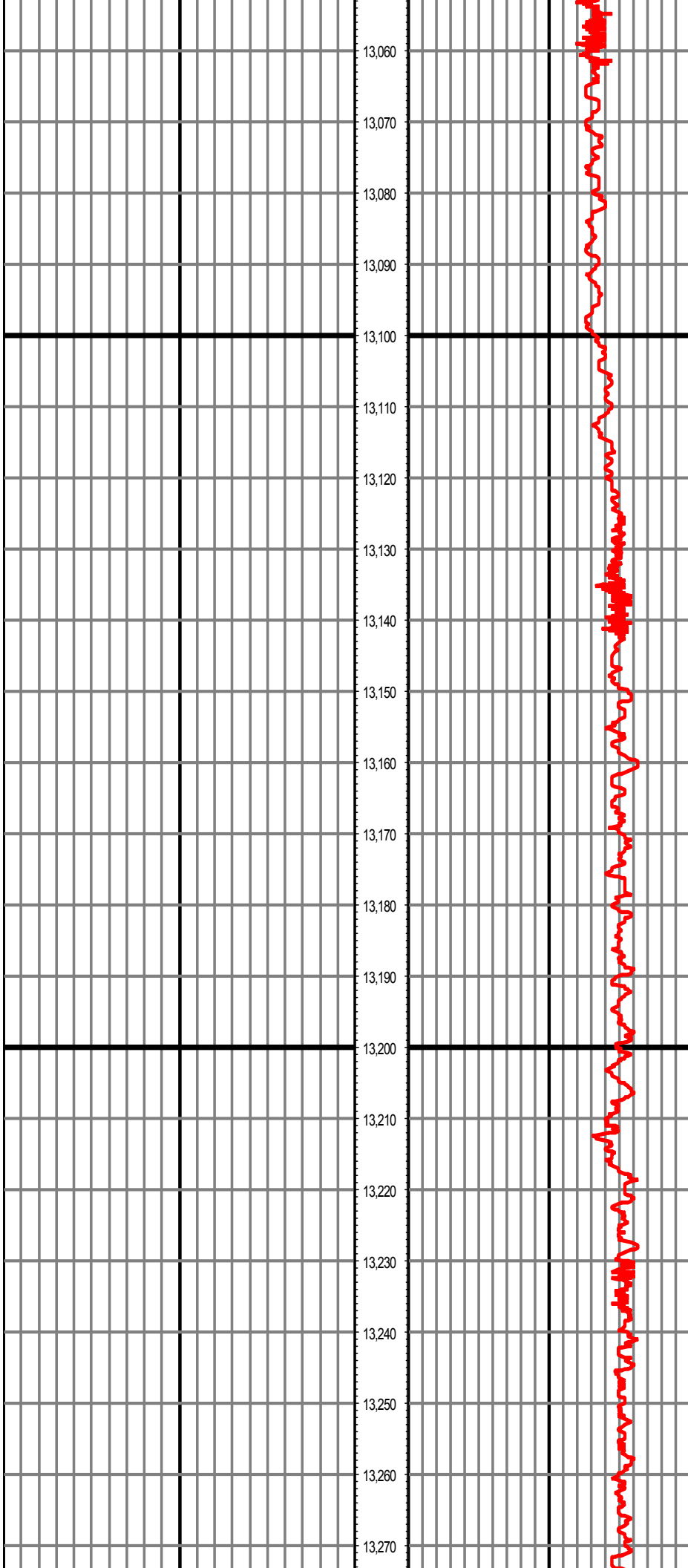
MD: 12752.00 INC: 91.01 AZ: 88.32 TVD: 7357.05 VS: 4336.90 12,752.00



MD: 12846.00 INC: 91.10 AZ: 89.72 TVD: 7355.32 VS: 4430.87 846.00

MD: 12942.00 INC: 91.01 AZ: 89.62 TVD: 7353.56 VS: 4526.86 942.00

MD: 13037.00 INC: 91.10 AZ: 88.92 TVD: 7351.81 VS: 4621.84 037.00



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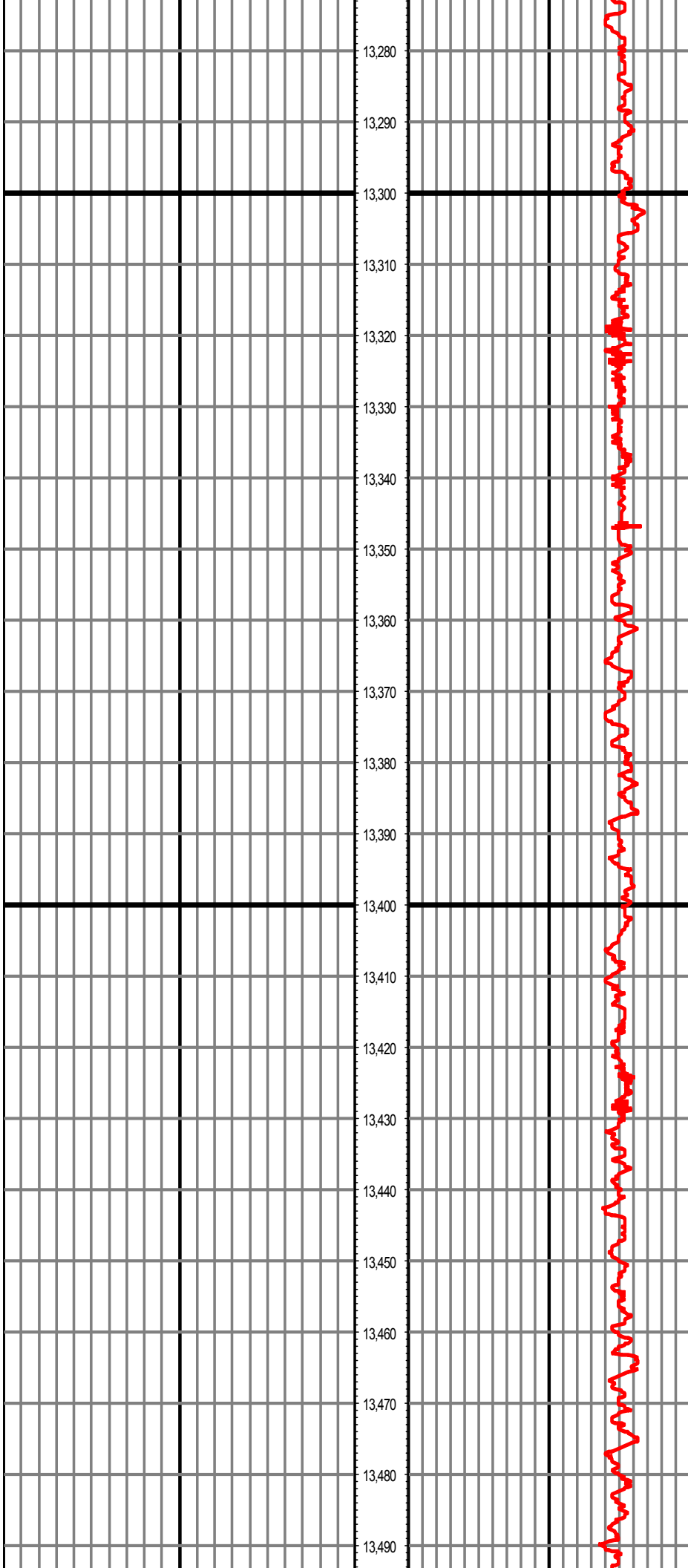
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MD: 13131.00 INC: 91.01 AZ: 90.22 TVD: 7350.07 VS: 4715.82 131.00

MD: 13226.00 INC: 90.50 AZ: 88.82 TVD: 7348.82 VS: 4810.81 132.00



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MD: 13320.00 INC: 89.40 AZ: 87.52 TVD: 7348.90 VS: 4904.78 13,320.00

MD: 13415.00 INC: 89.40 AZ: 86.43 TVD: 7349.90 VS: 4999.67 13,415.00

