



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

Wilson Ranch 5N-27HZ

Scale 5":100' - MD

12/16/2015 11:29 AM

Oper. Company: Anadarko Petroleum Corporation

State: Colorado

Well: Wilson Ranch 5N-27HZ

County: Weld

Field: Wattenburg

Country: USA

Rig: Precision 462

Location:

Well ID: 05123412980000

Start Date: 12/13/2015 07:30:00

Job Number: R15417

End Date: 12/16/2015 11:07:00

Notes: LWD Real Time Data Log
Gamma Correction Determined by Pipe ID & OD, Mud Weight & Bit Size

Latitude: 40.286223

Elev KB: 5012'

Longitude: -104.962903

Elev DF: 5012'

Elev GL: 4992'

Notes: Datum: NAD1983 Map Zone: 13N (108 W to 102 W) Total Correction: 8.44° Grid Convergence: 0.02° (True North)

Operator 1: Jim Thamvavong

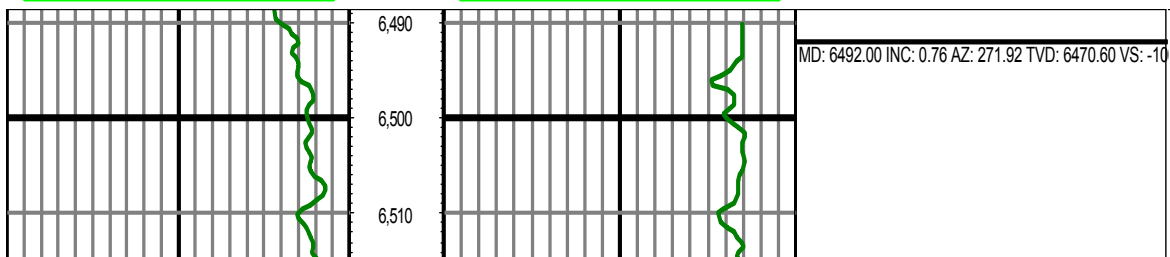
Operator 2: Austin Capaldo

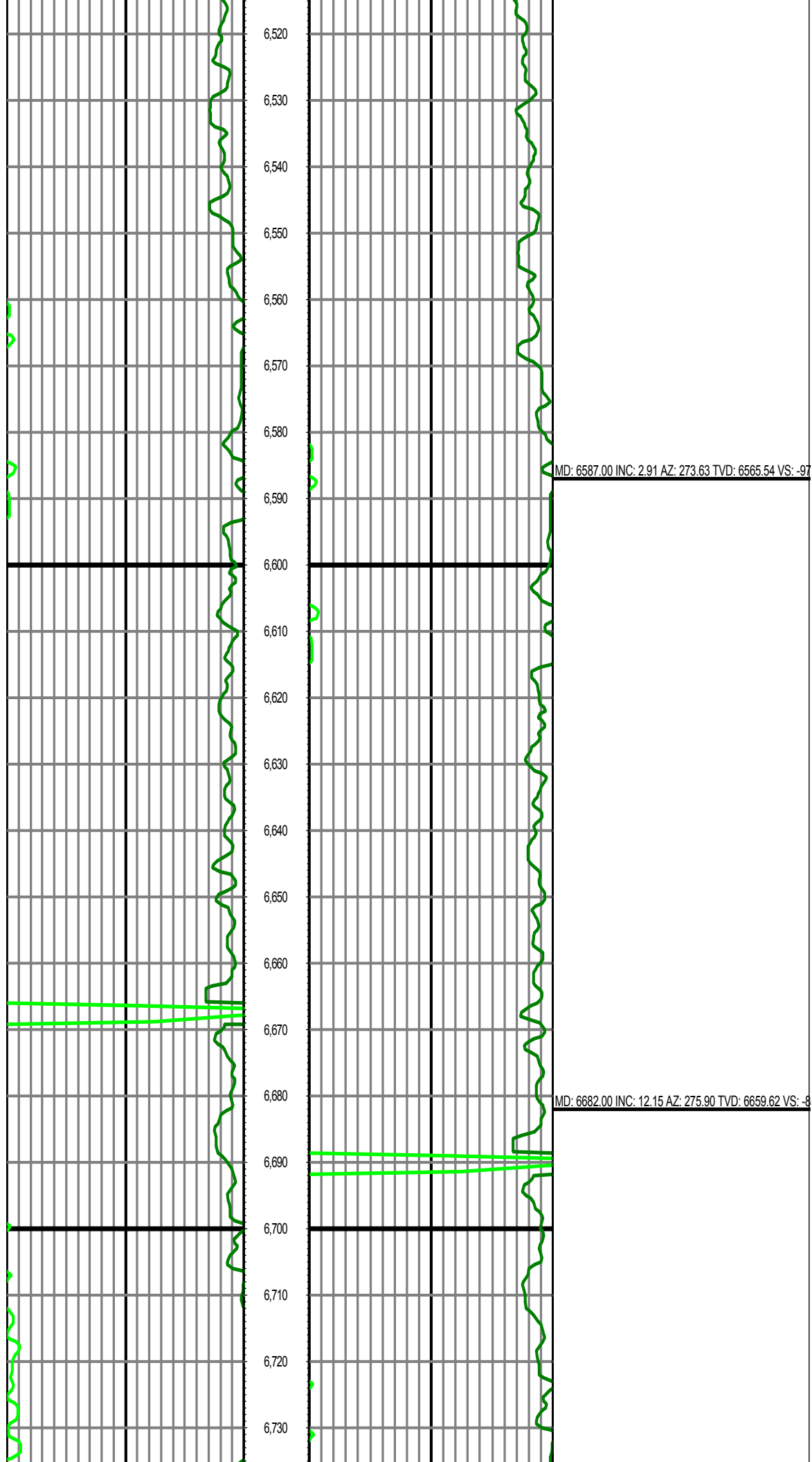
Notes: Smoothing: 2 Gap Fill: 10 Tool Type: Mud Pulse Calculation Method: Minimum Curvature

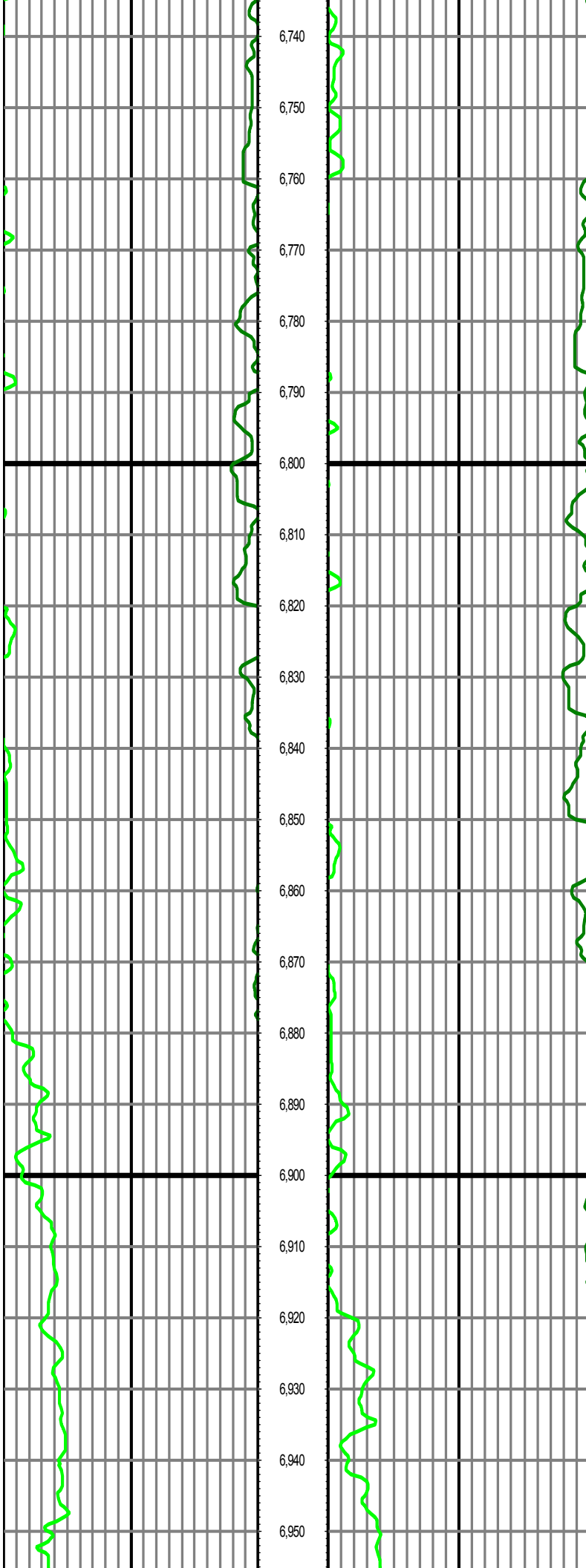
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	EGNF0070				
Bit Size	8 1/2				
Cal Factor	4.661				
Survey Offset:	69.00				
Gamma Offset	65.00				
Resistivity Offset	0.00				
Start Depth	6490.00				
StartDate	12/13/2015				
StartTime	07:30				
EndDepth	16585.00				
EndDate	12/16/2015				
EndTime	11:07				
Mud Type	OBM				
Mud Weight	9.2 - 9.4				
Funnel Viscosity	65				
Plastic Viscosity	17				
Yield Point	13				
Solids Content	8.5				
Chlorides	62000				
Hole Data			Casing Data		
Size	From	To	Size	From	To
8 1/2	1846.00	16585.00	9 5/8	0.00	1846.00

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







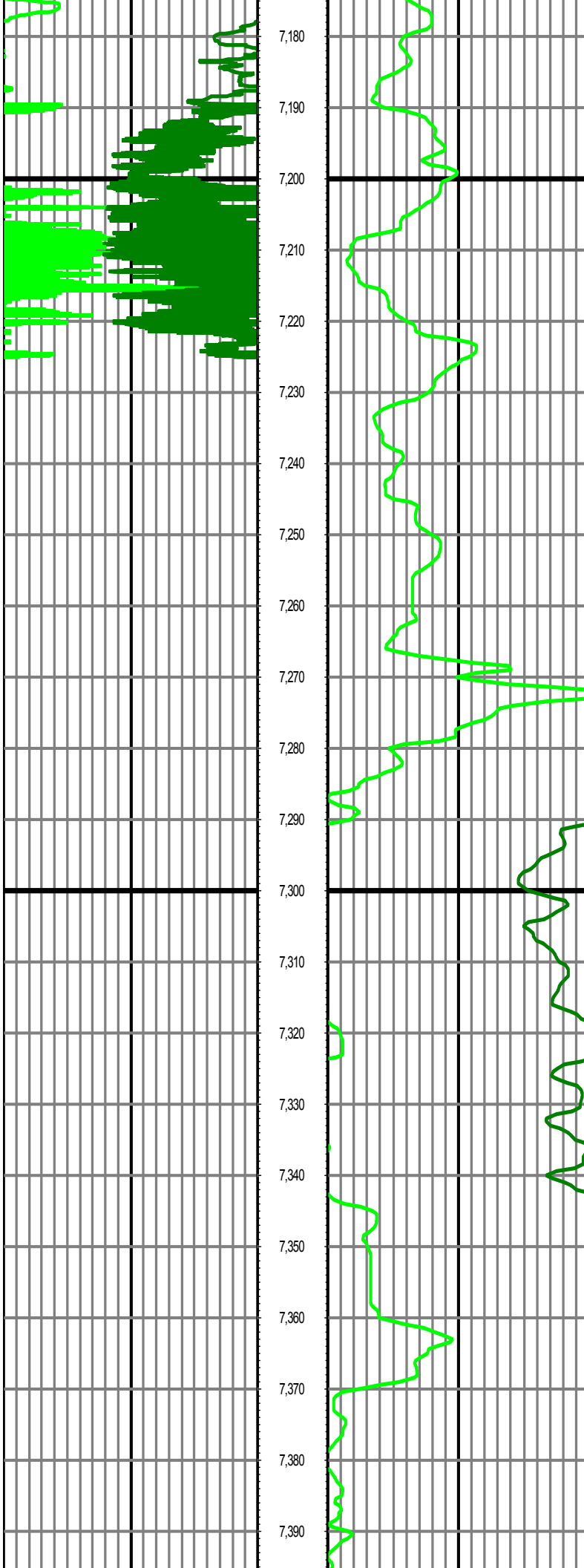
MD: 6778.00 INC: 17.07 AZ: 279.30 TVD: 6752.49 VS: -6

MD: 6872.00 INC: 25.17 AZ: 264.54 TVD: 6840.16 VS: -27.98

MD: 6967.00 INC: 33.91 AZ: 259.28 TVD: 6922.75 VS: 18

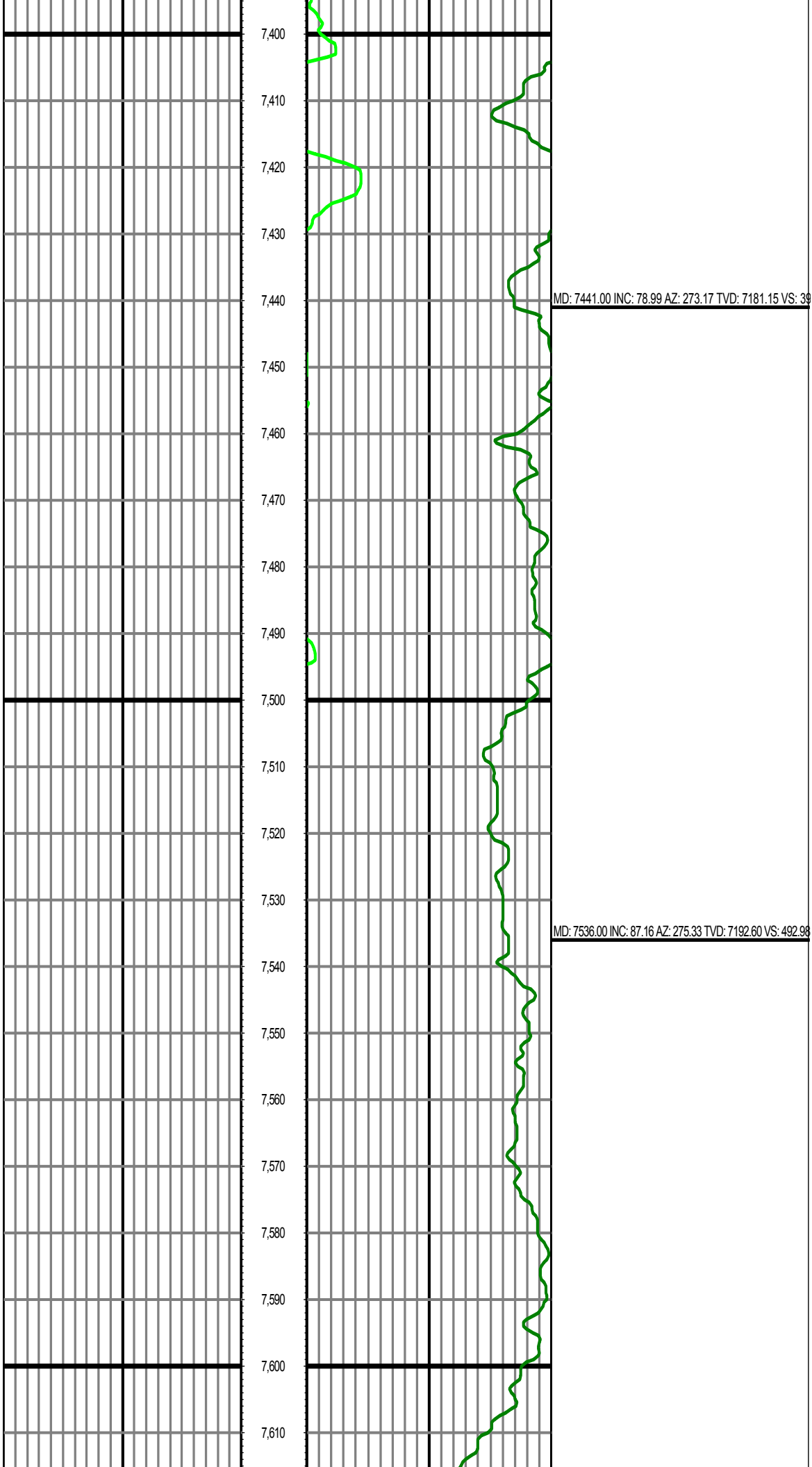
MD: 7062.00 INC: 42.28 AZ: 259.58 TVD: 6997.45 VS: 75.84

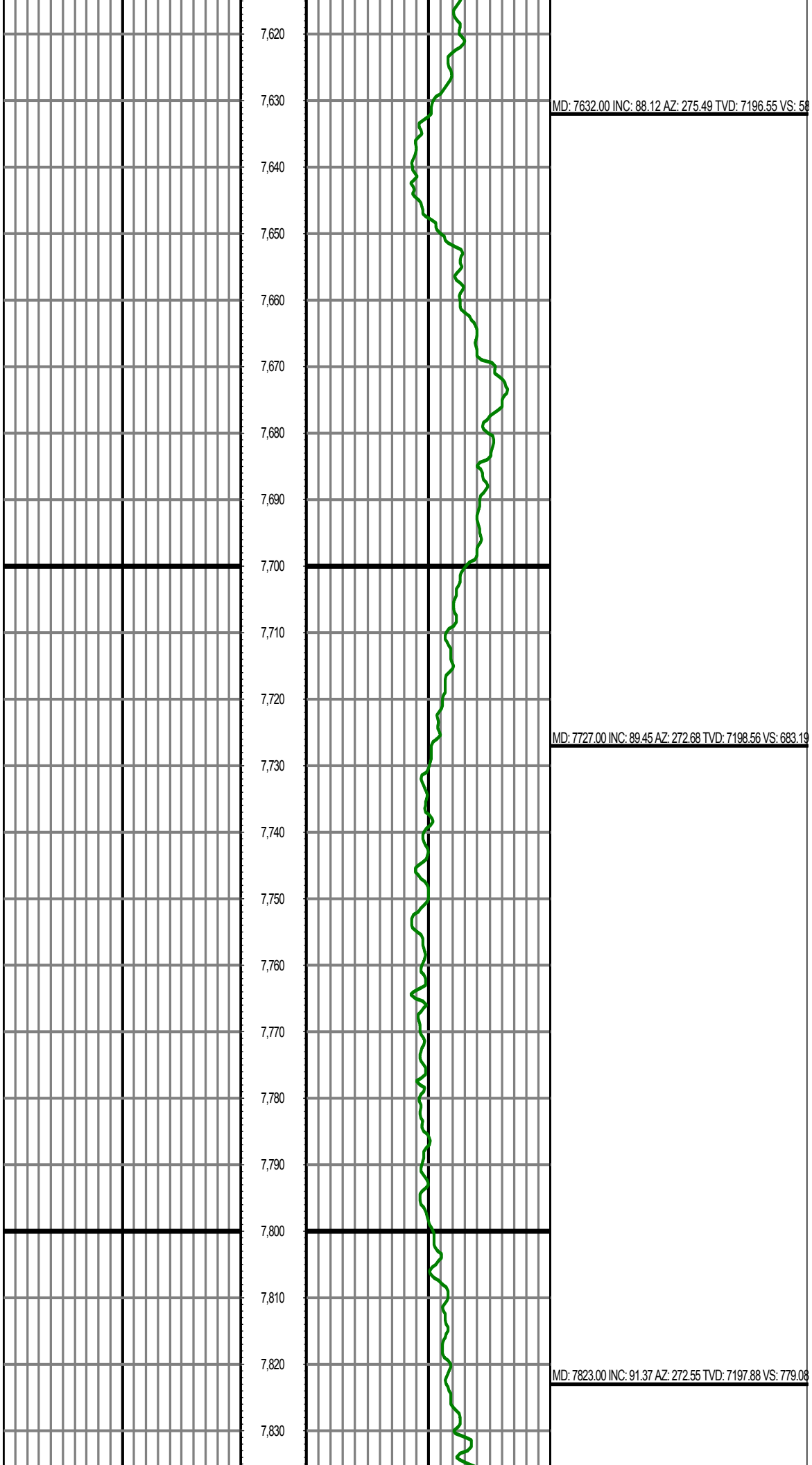
MD: 7155.00 INC: 52.09 AZ: 261.13 TVD: 7060.58 VS: 14

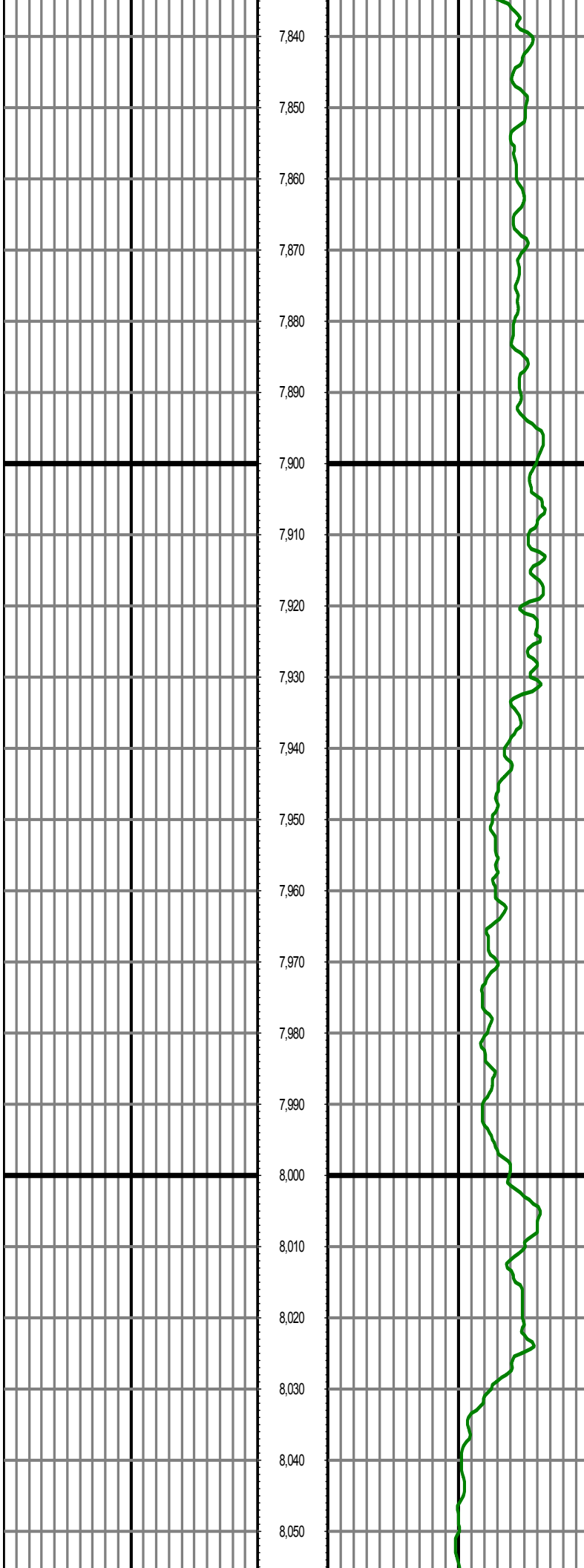


MD: 7251.00 INC: 60.22 AZ: 268.59 TVD: 7114.05 VS: 22

MD: 7346.00 INC: 68.85 AZ: 272.47 TVD: 7154.87 VS: 307.96

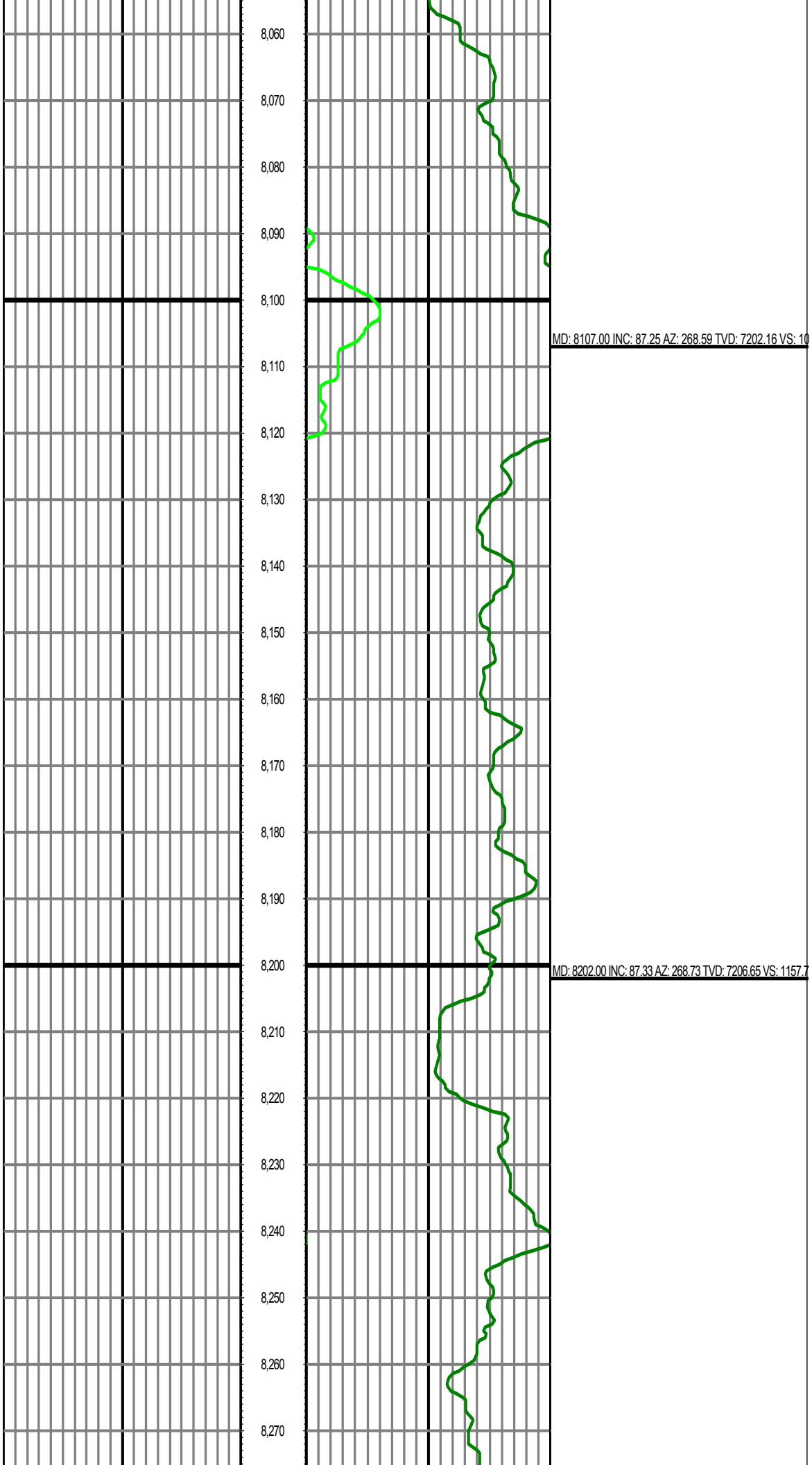


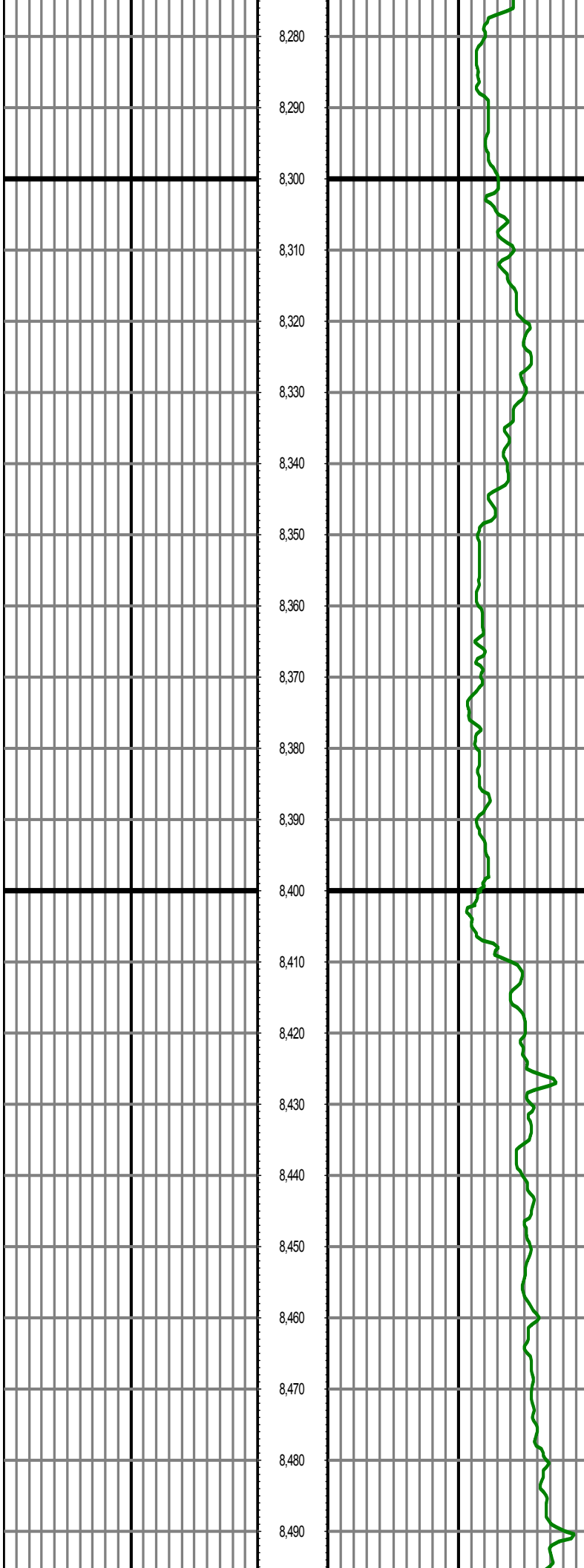




MD: 7917.00 INC: 90.81 AZ: 271.48 TVD: 7196.09 VS: 87

MD: 8012.00 INC: 87.31 AZ: 269.00 TVD: 7197.65 VS: 967.97



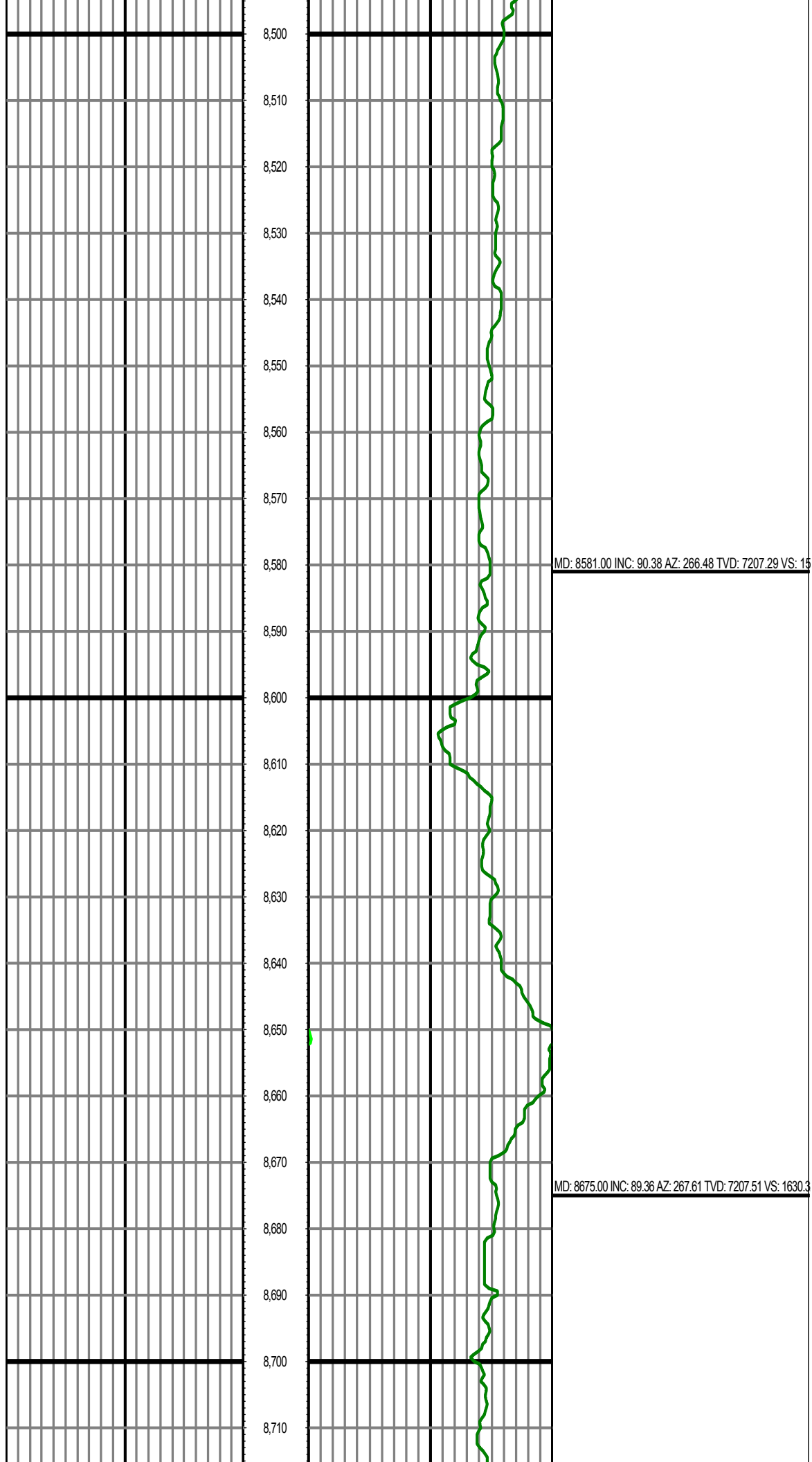


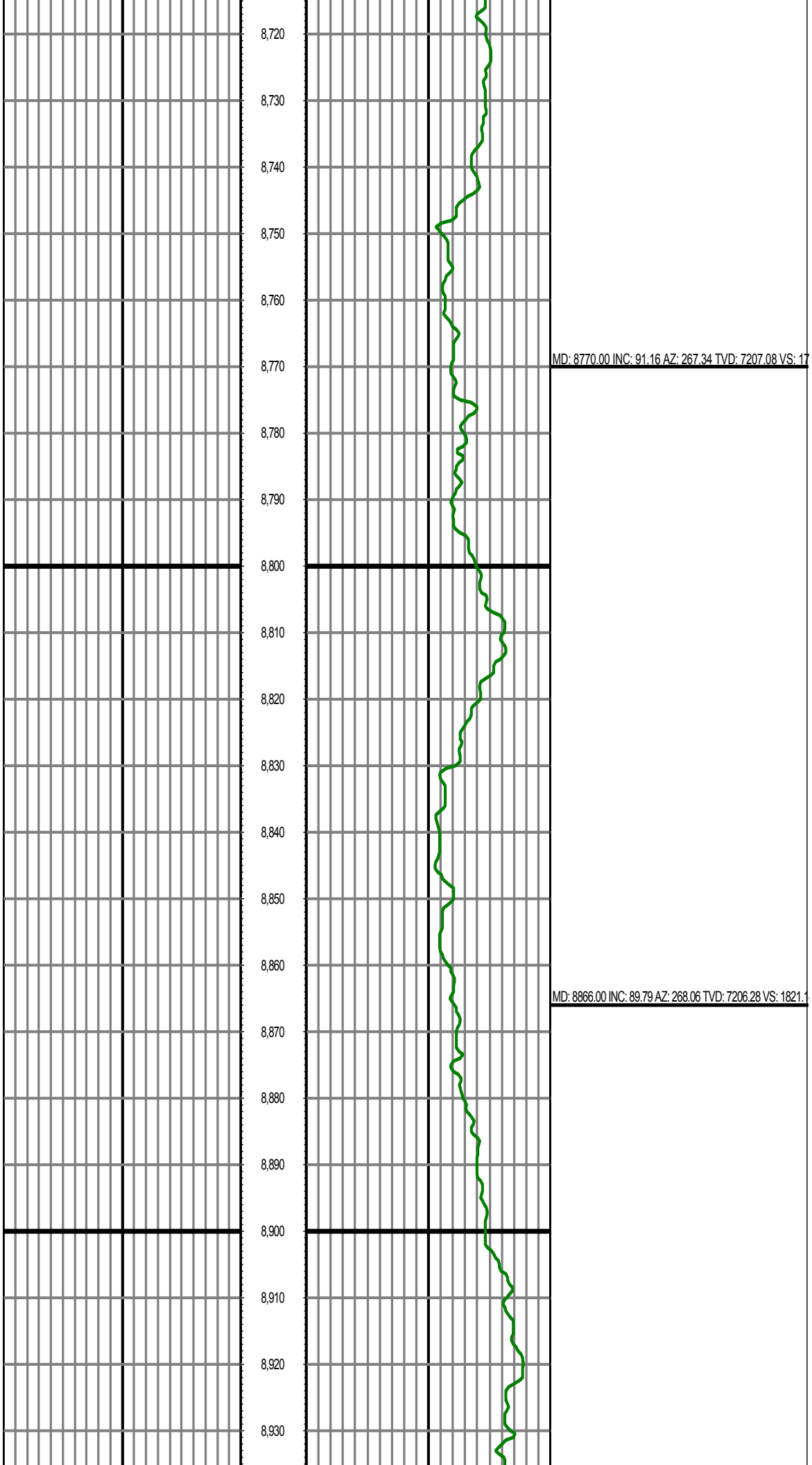
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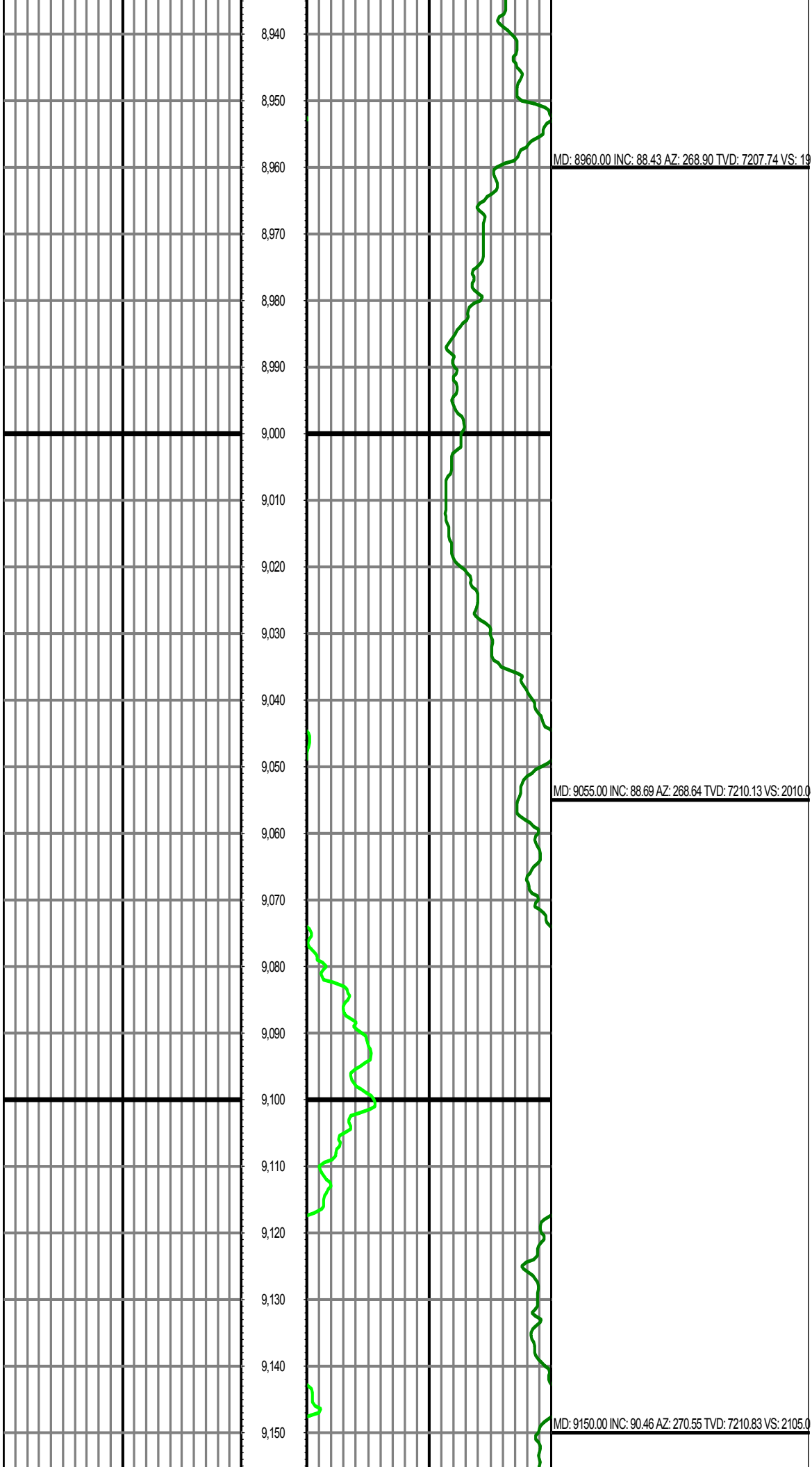
MD: 8298.00 INC: 89.52 AZ: 269.80 TVD: 7209.29 VS: 12

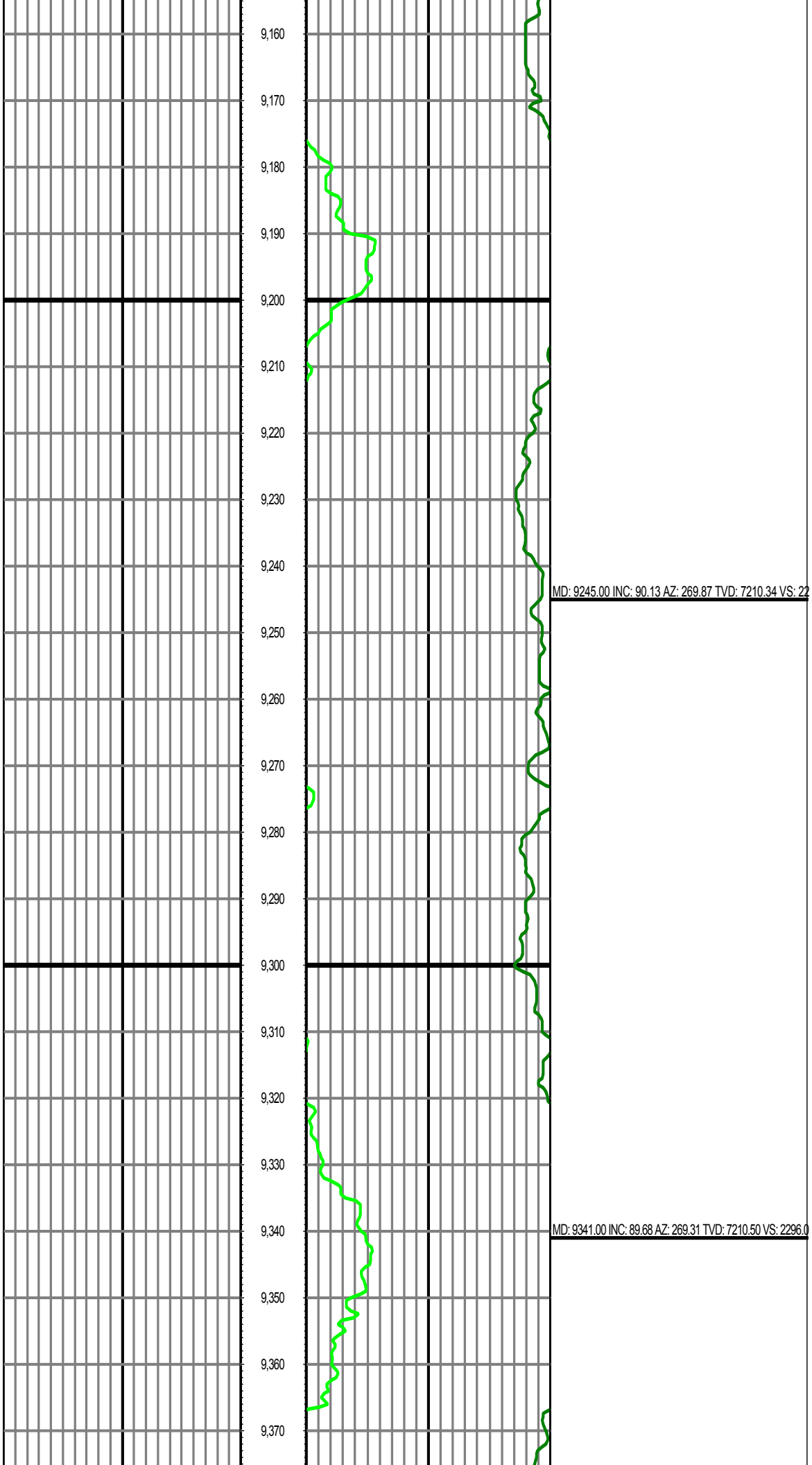
MD: 8393.00 INC: 91.34 AZ: 269.31 TVD: 7208.57 VS: 1348.6

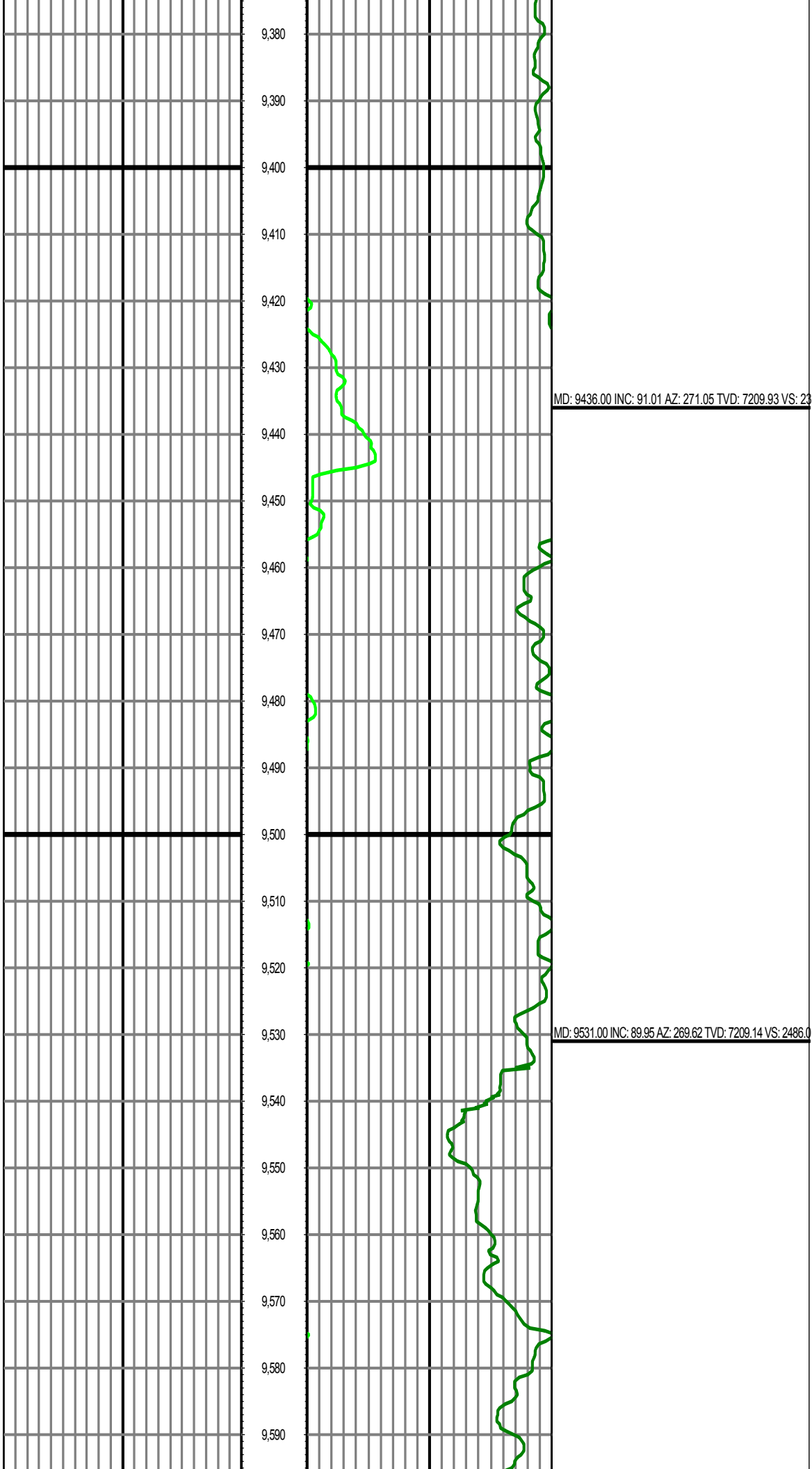
MD: 8487.00 INC: 89.92 AZ: 267.20 TVD: 7207.54 VS: 1442.5

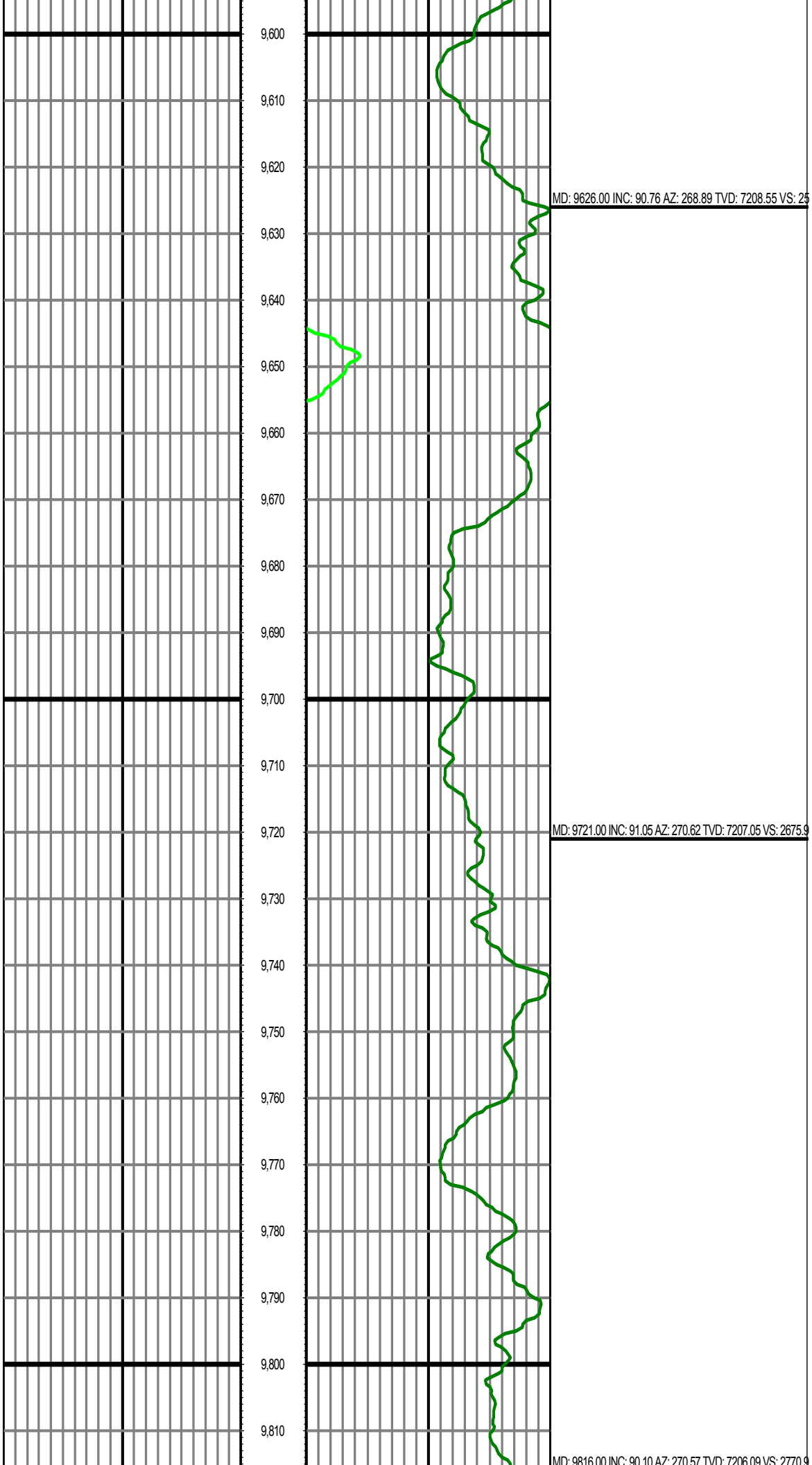












MD: 9816.00 INC: 90.10 AZ: 270.57 TVD: 7206.09 VS: 27

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9,830

9,840

9,850

9,860

9,870

9,880

9,890

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MD: 9911.00 INC: 90.66 AZ: 269.64 TVD: 7205.46 VS: 2865.9

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9,990

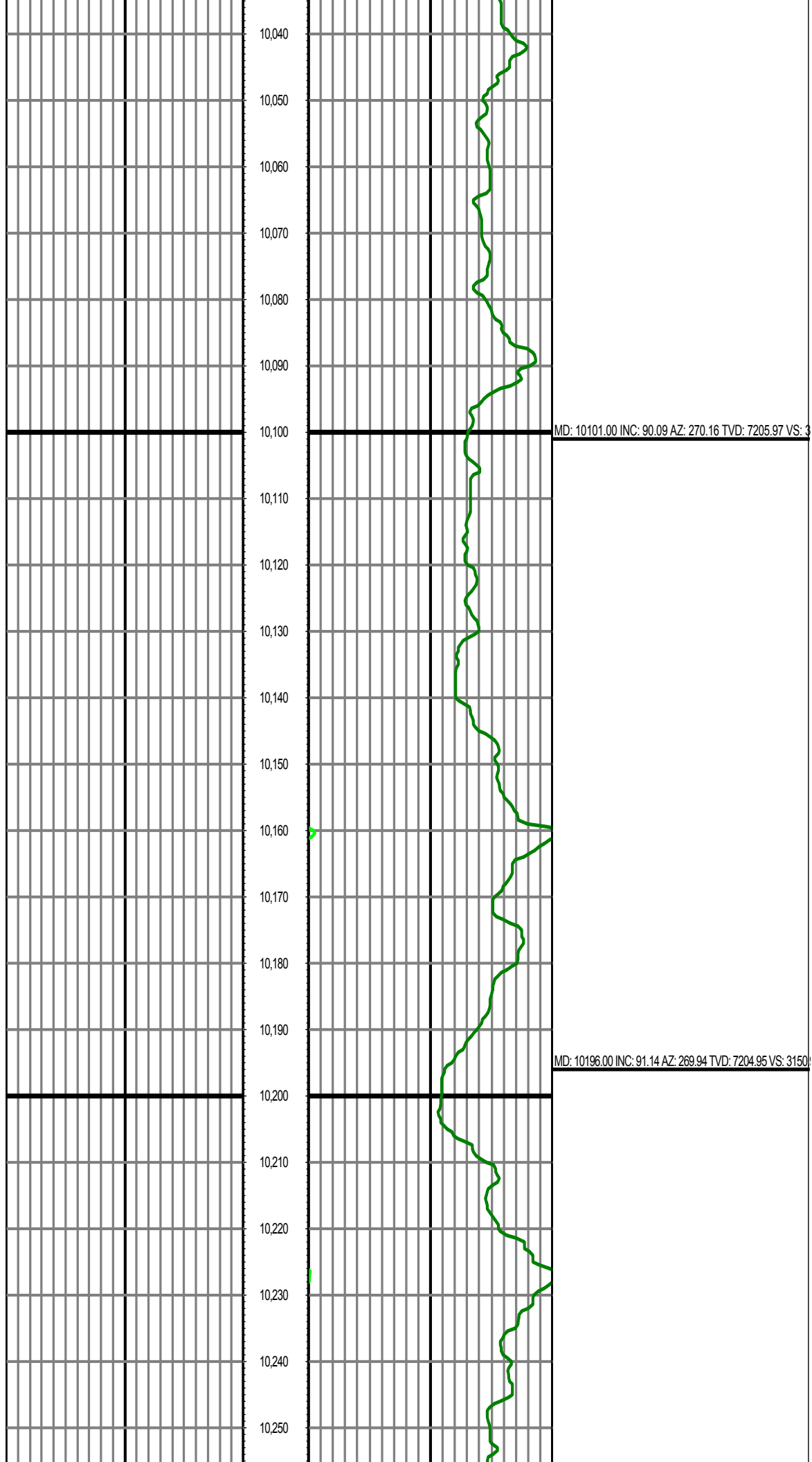
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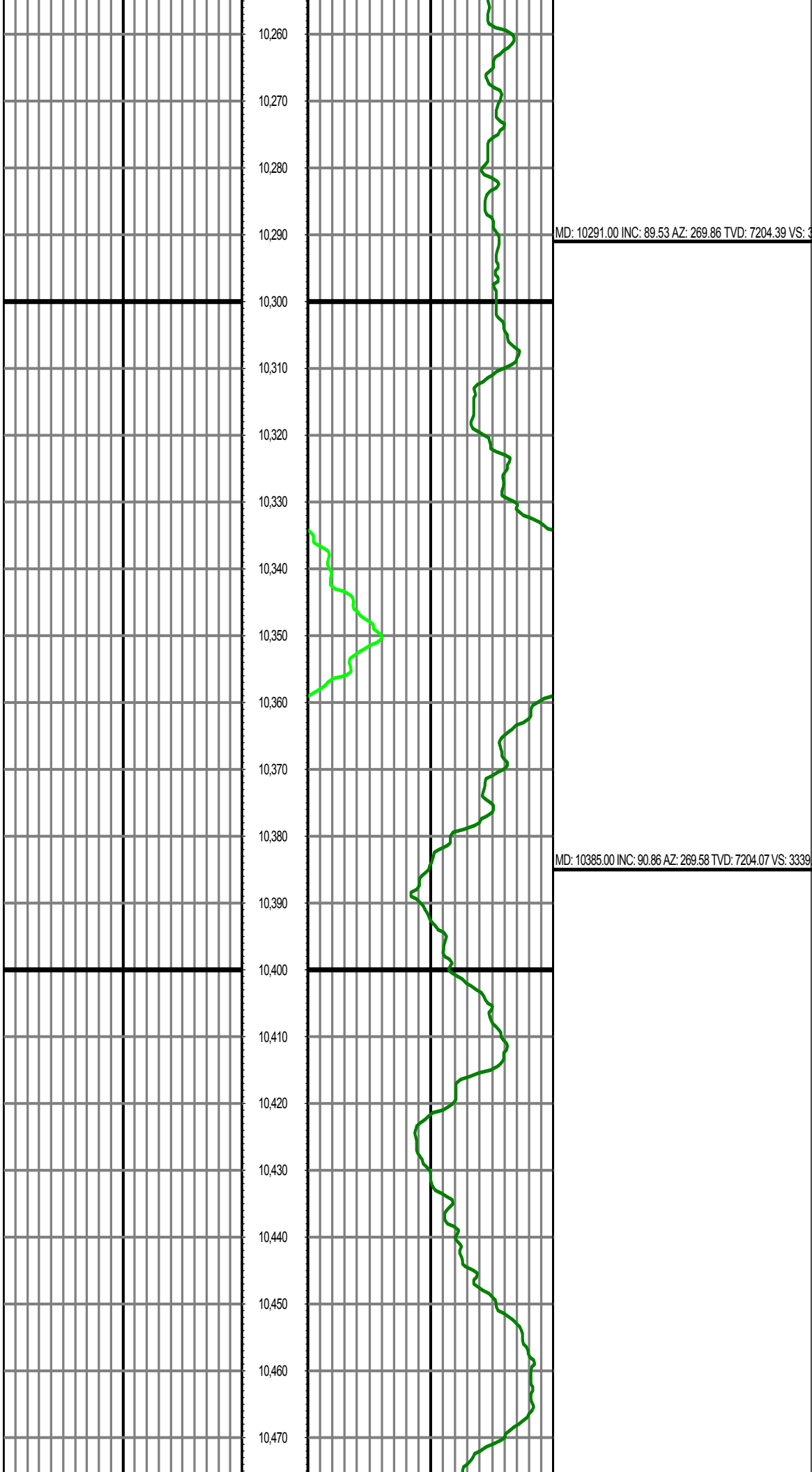
MD: 10006.00 INC: 89.32 AZ: 270.93 TVD: 7205.48 VS: 2

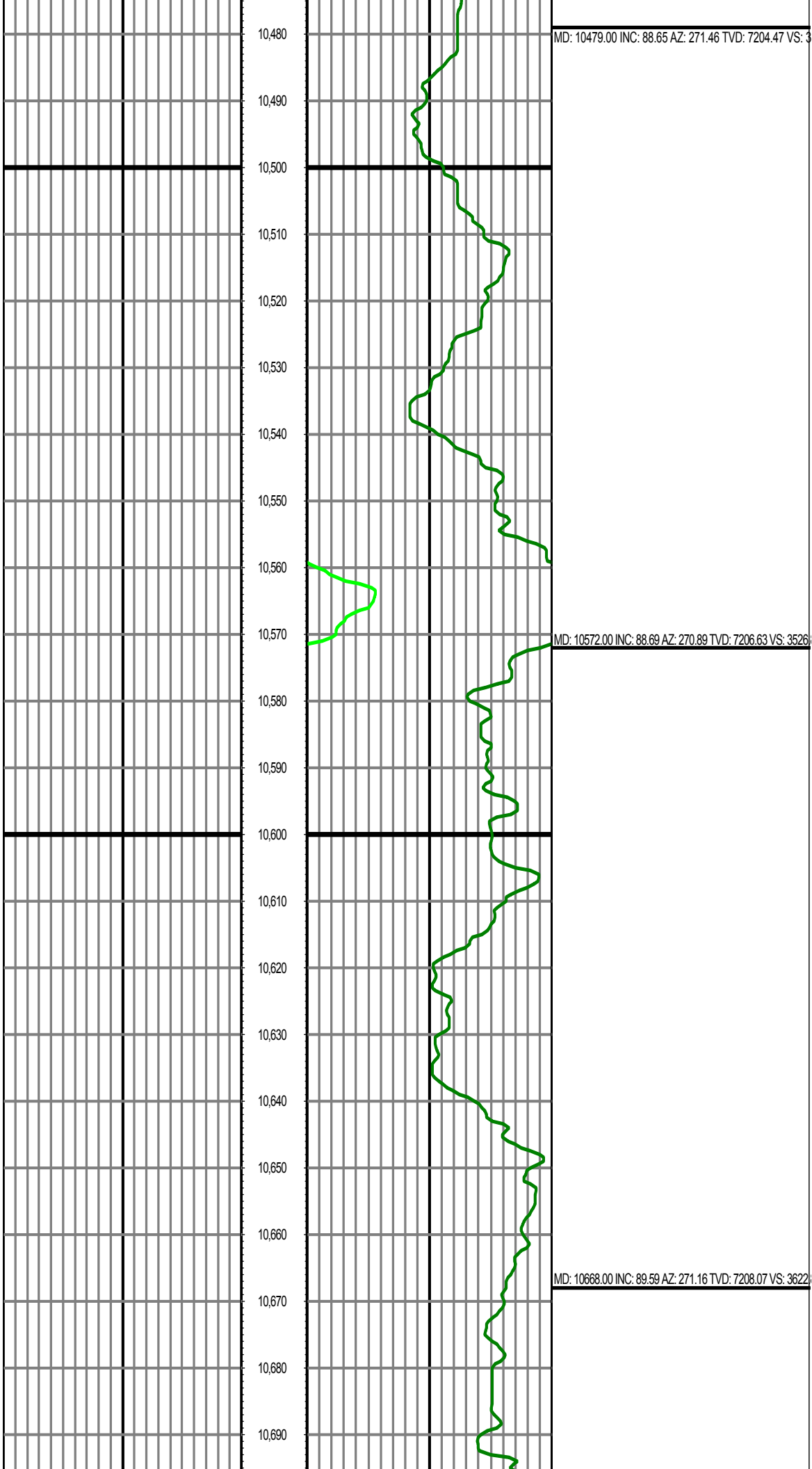
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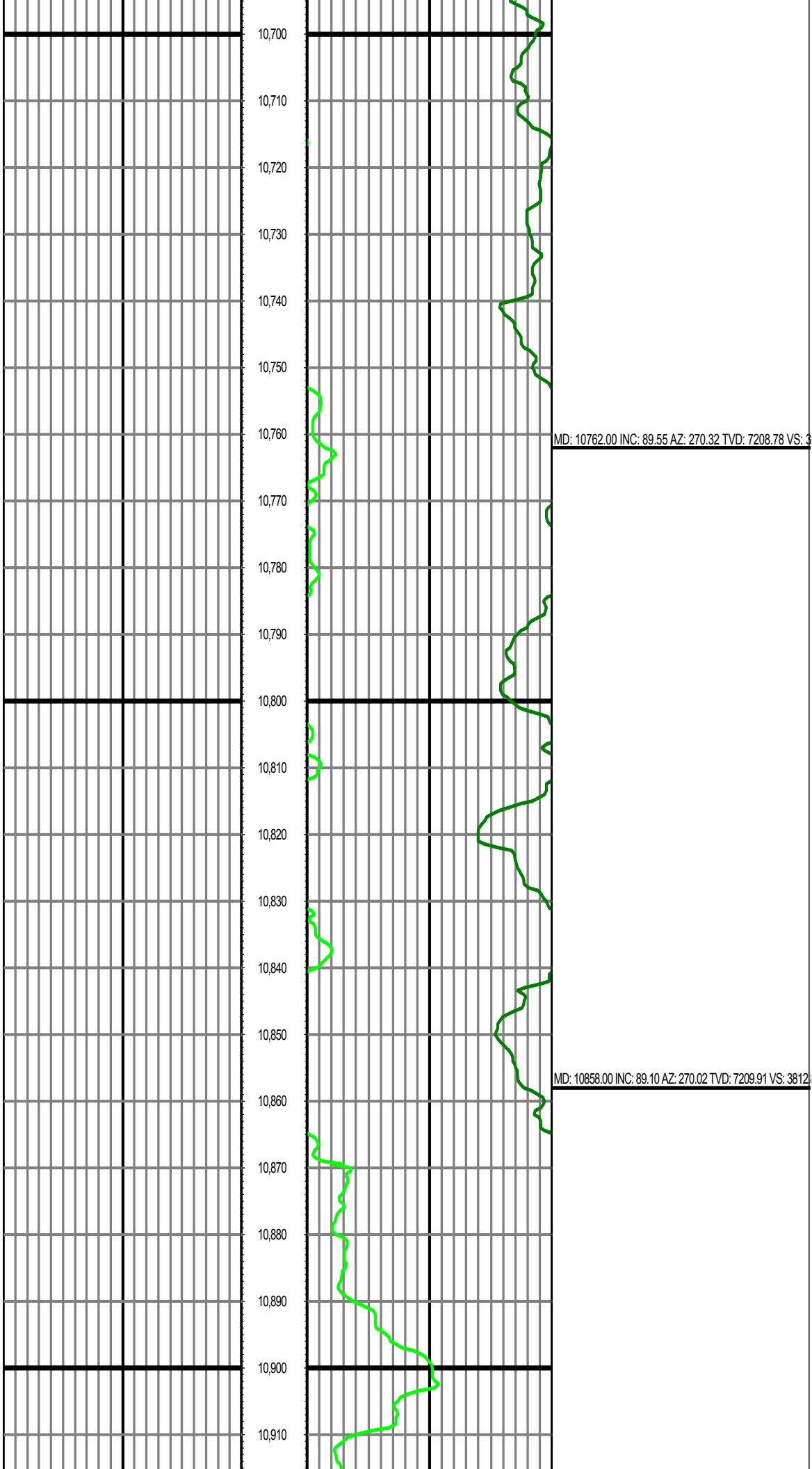
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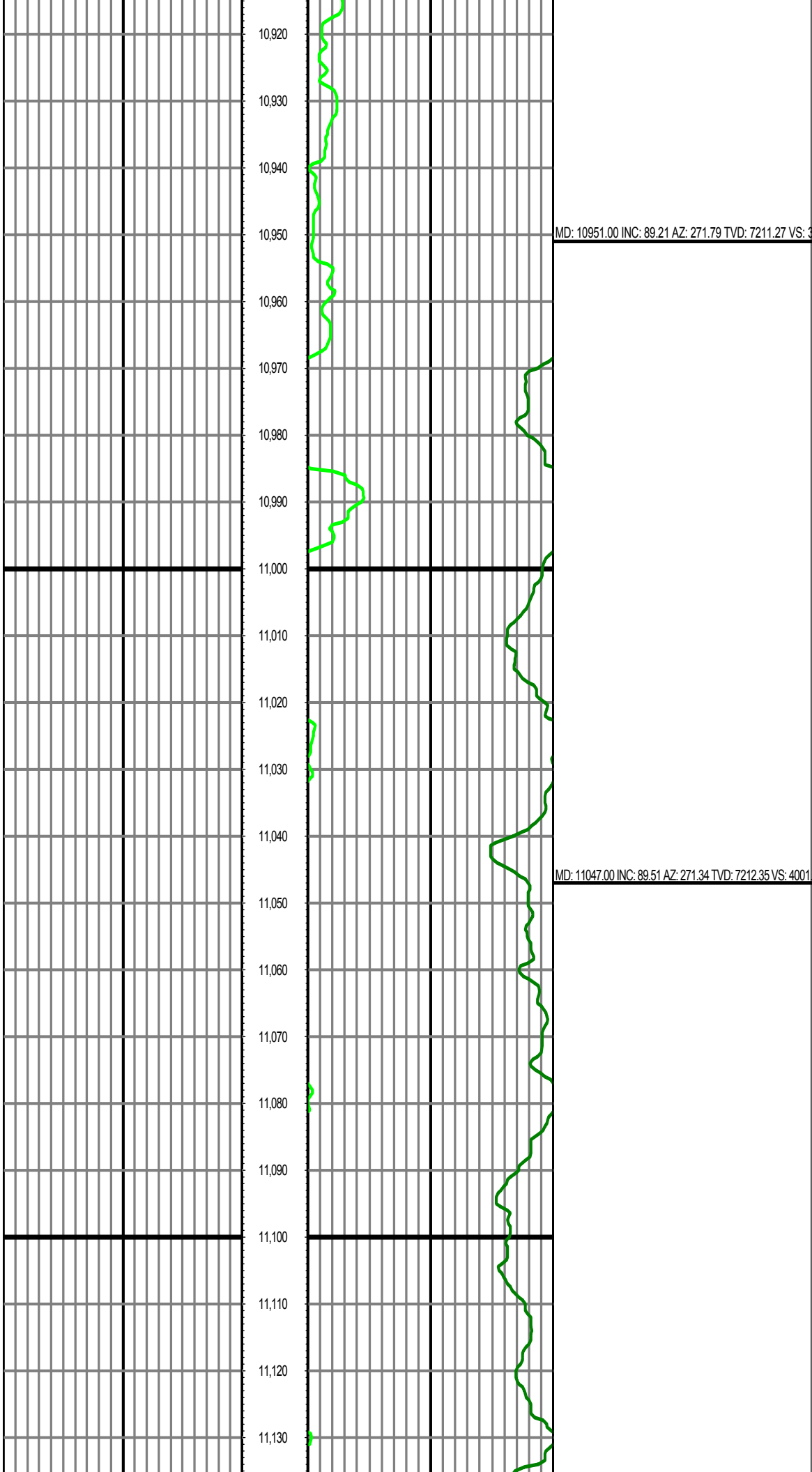
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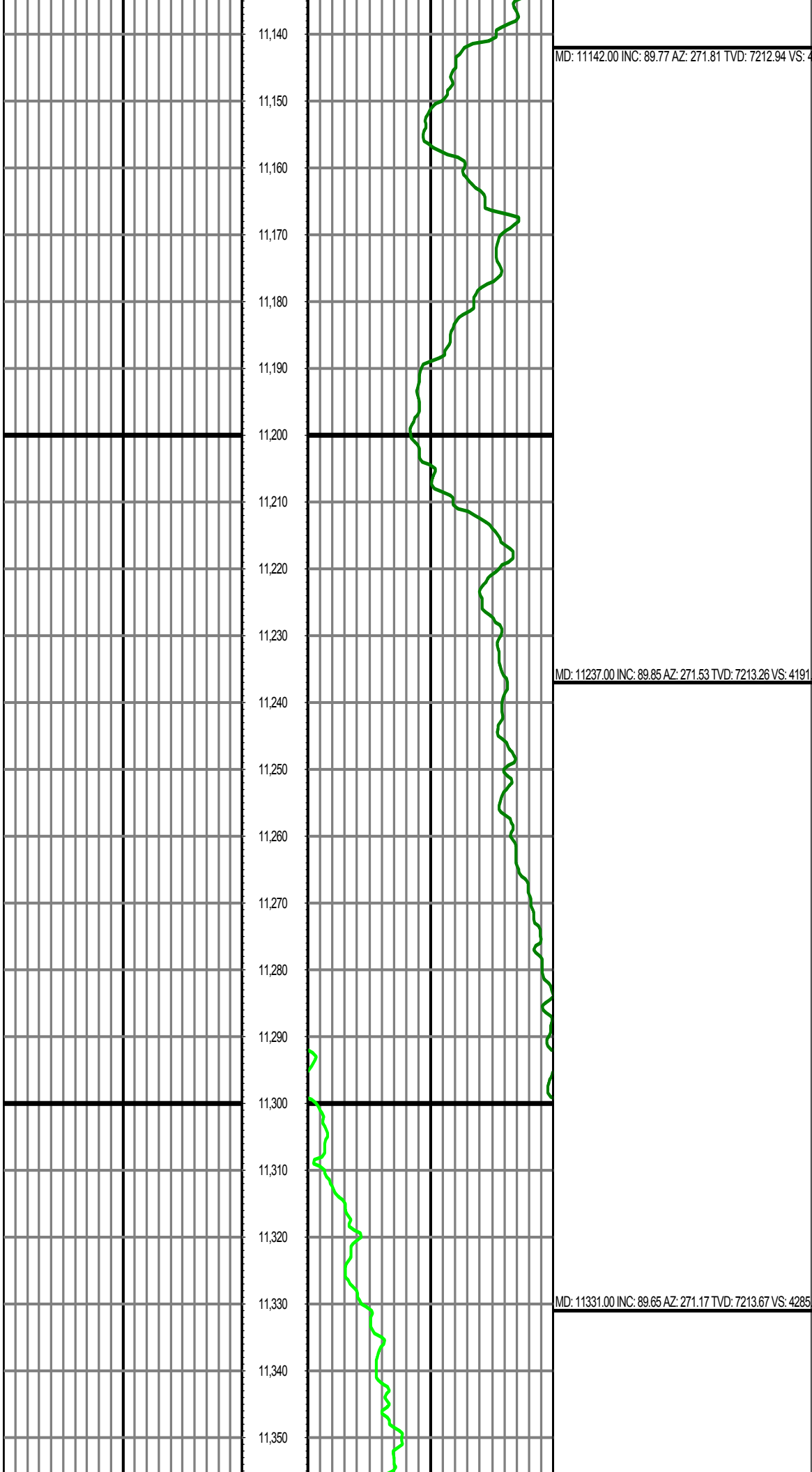


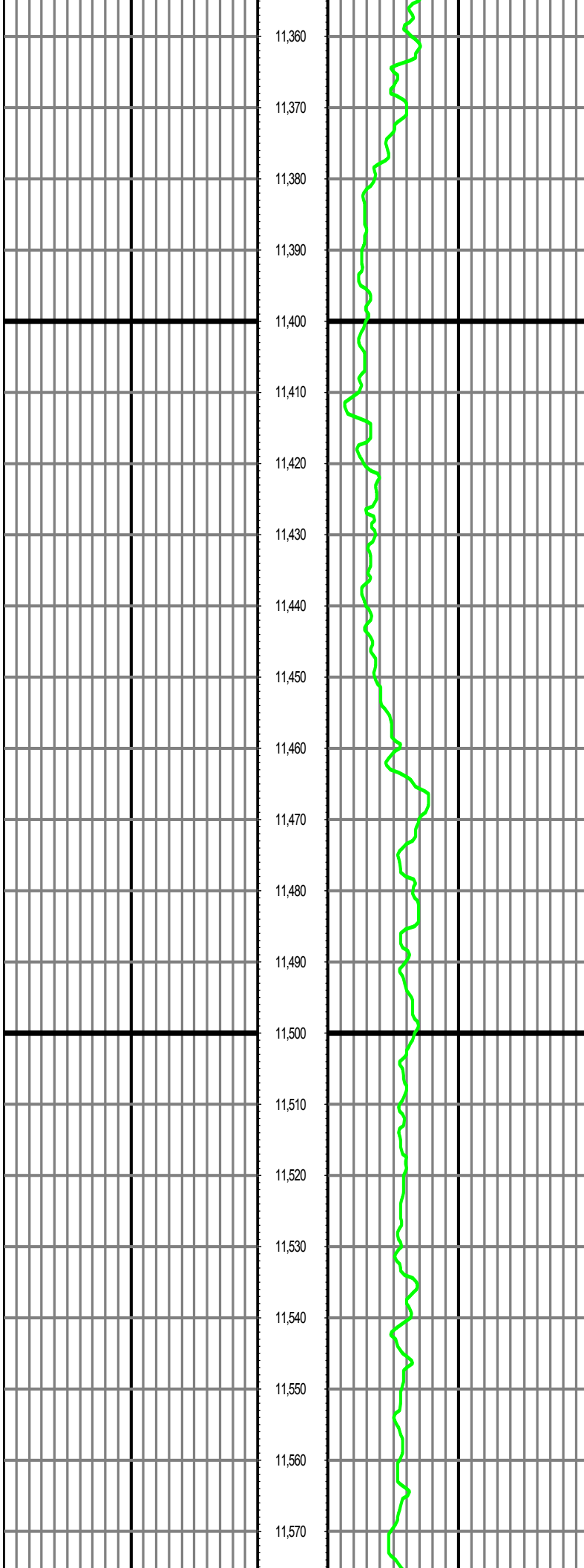






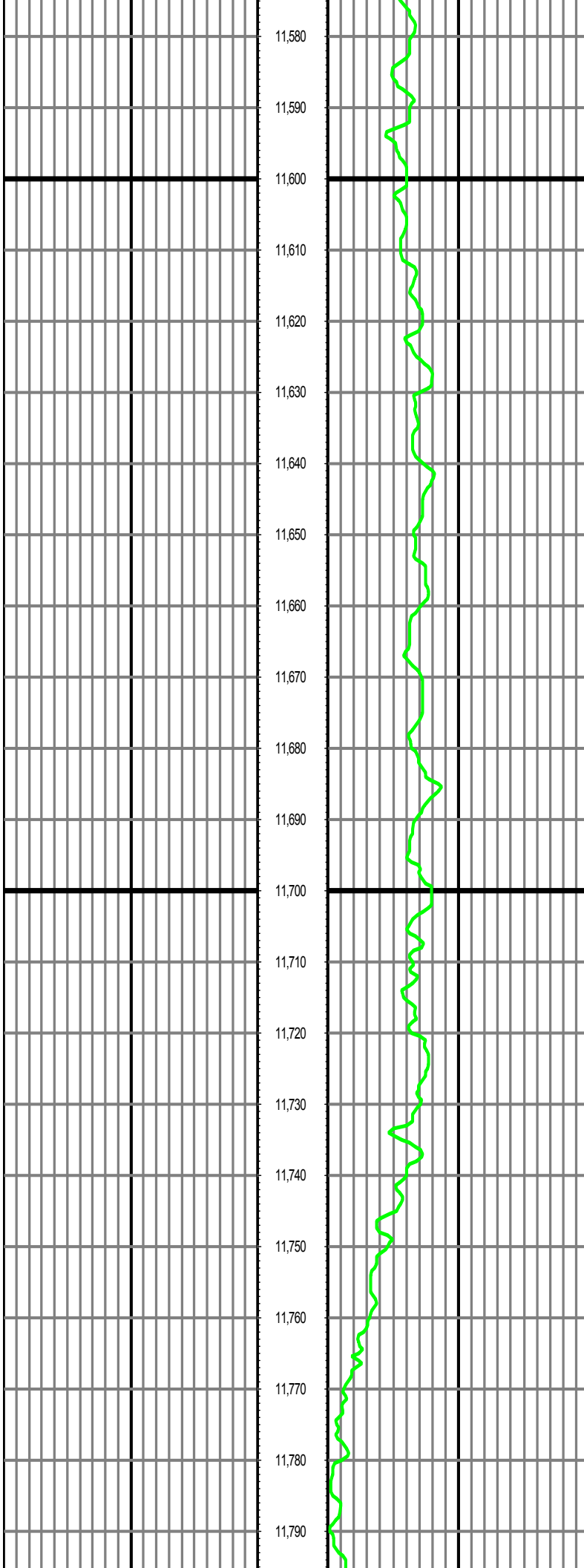






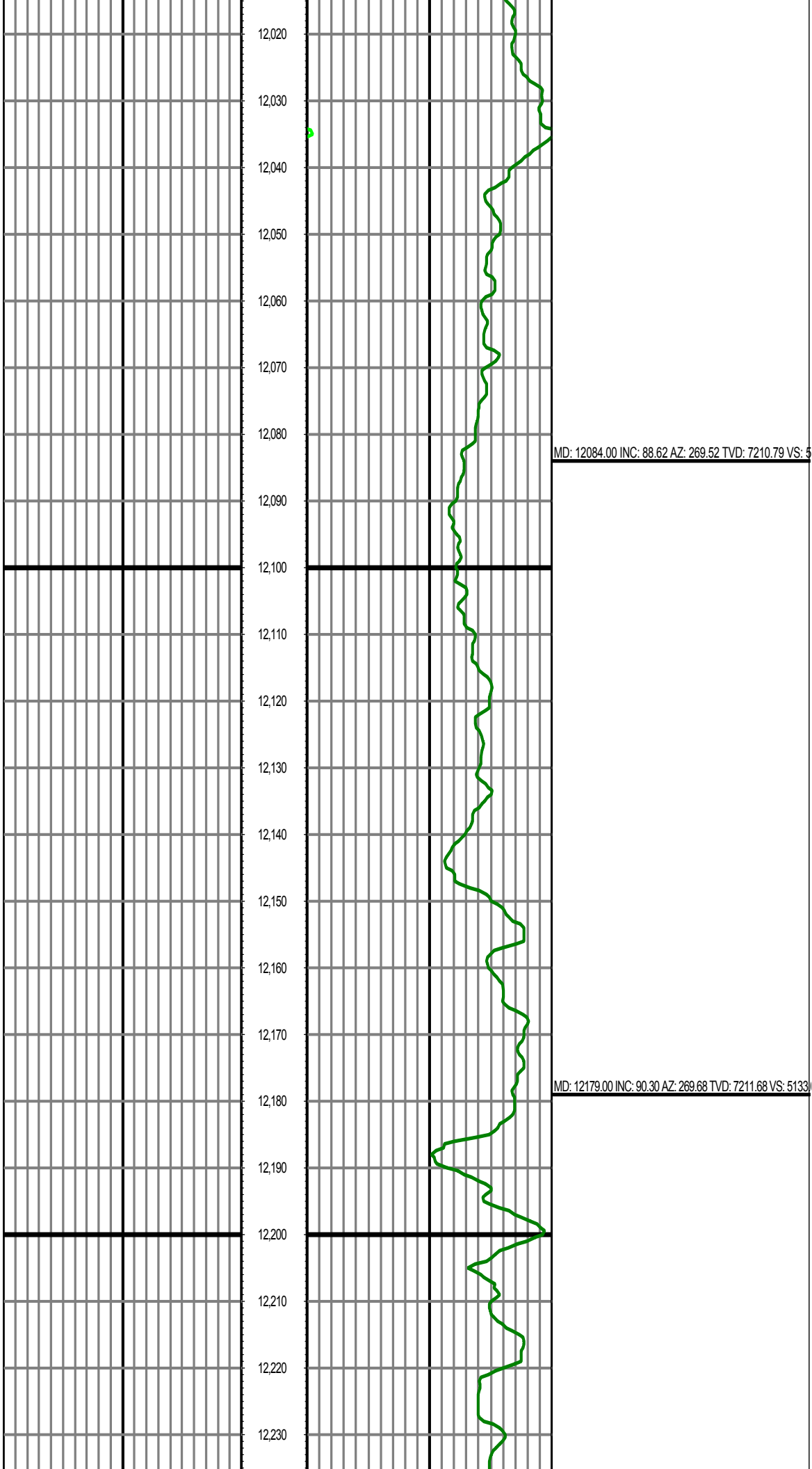
MD: 11424.00 INC: 91.07 AZ: 271.93 TVD: 7213.08 VS: 4

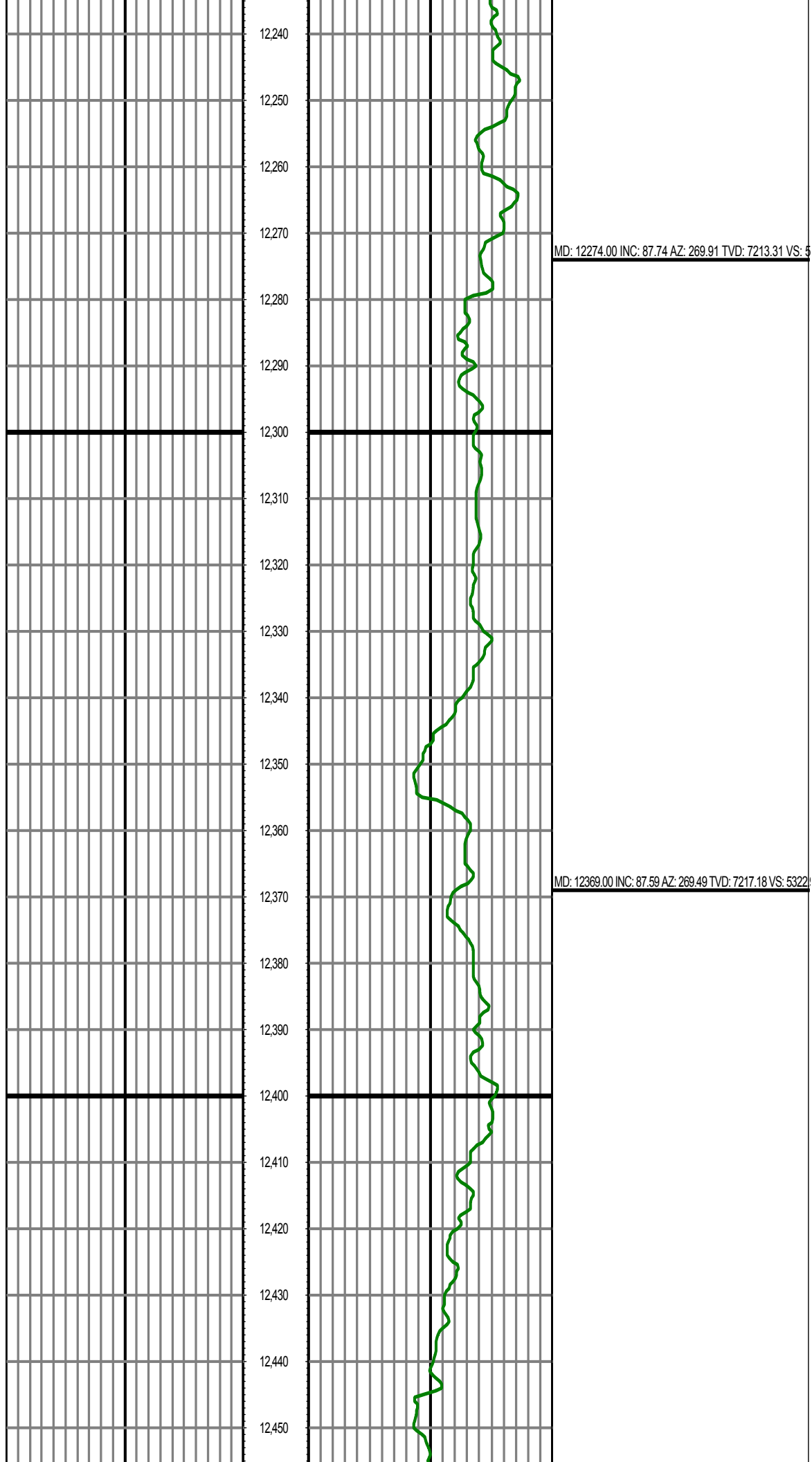
MD: 11517.00 INC: 90.84 AZ: 270.48 TVD: 7211.53 VS: 4471



MD: 11611.00 INC: 91.08 AZ: 269.76 TVD: 7209.96 VS: 4

MD: 11705.00 INC: 91.25 AZ: 268.47 TVD: 7208.05 VS: 4659

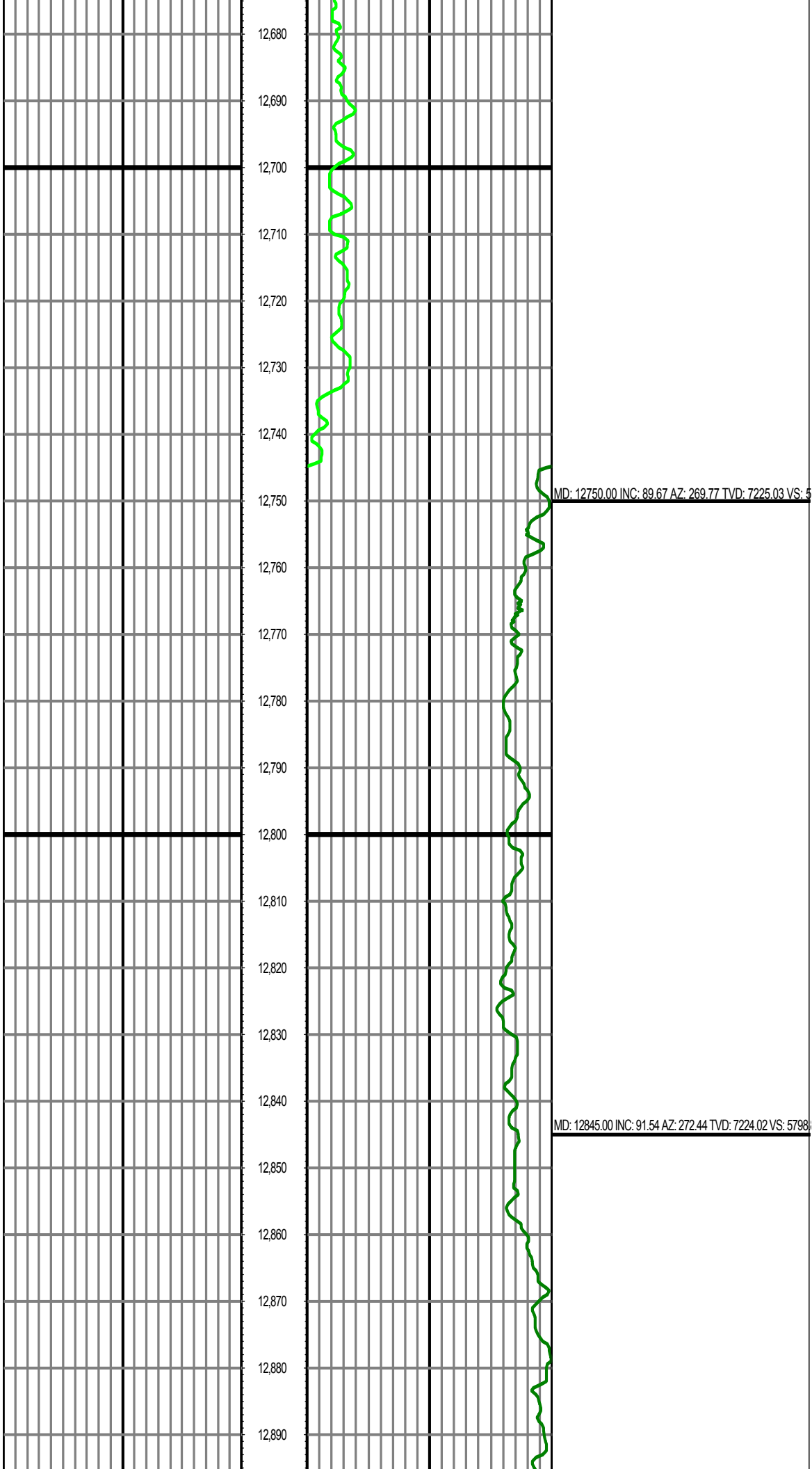


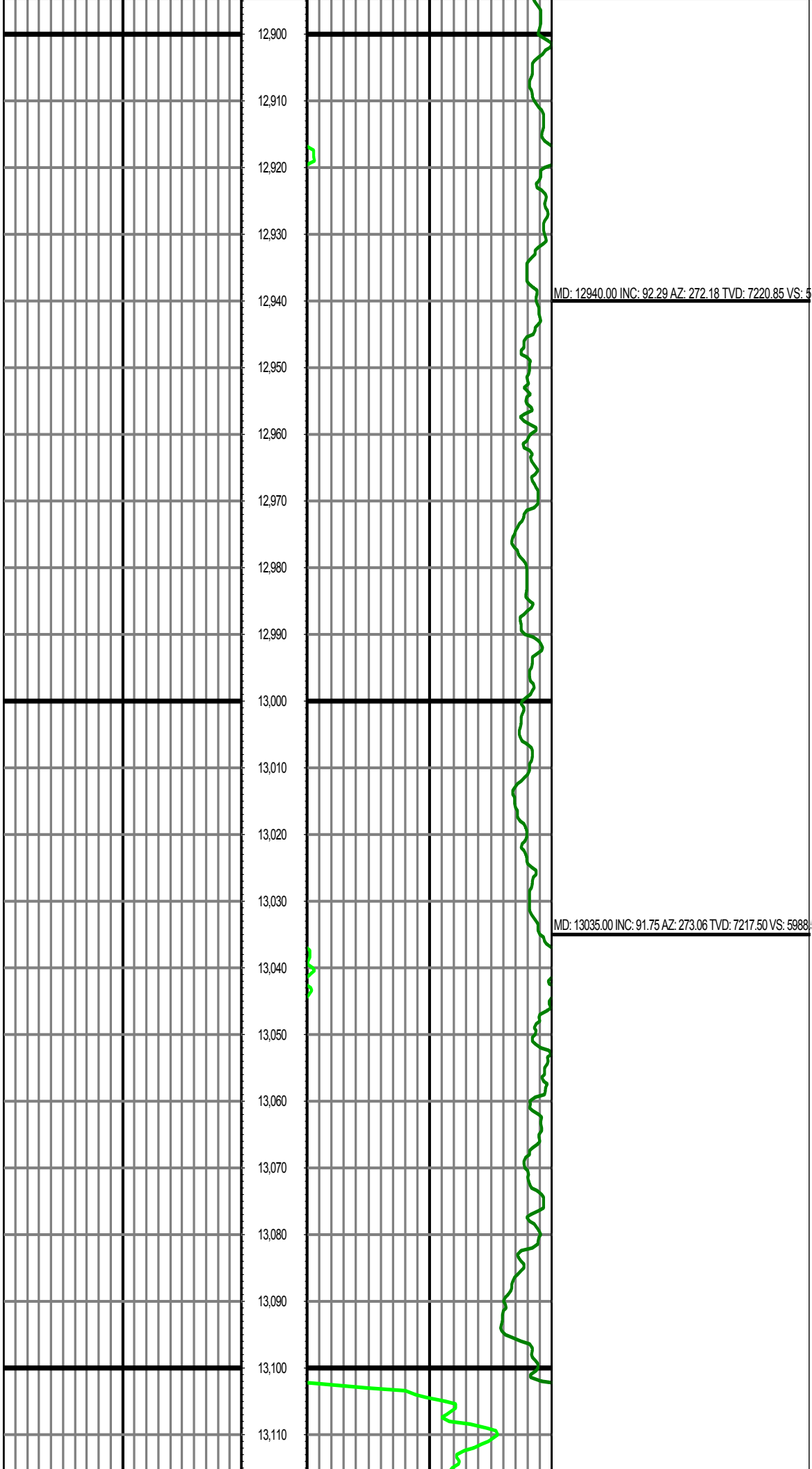


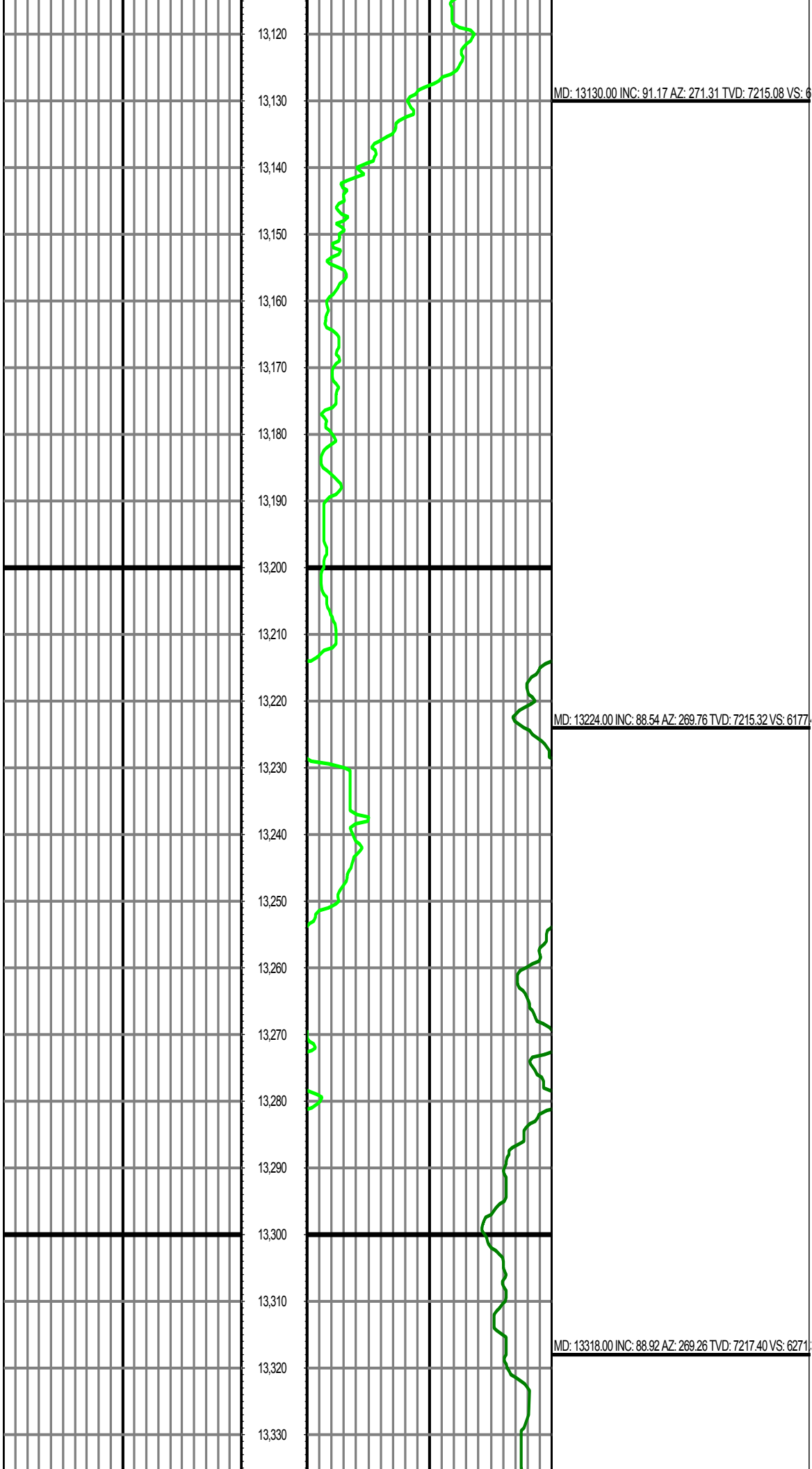
MD: 12465.00 INC: 88.14 AZ: 269.33 TVD: 7220.76 VS: 5

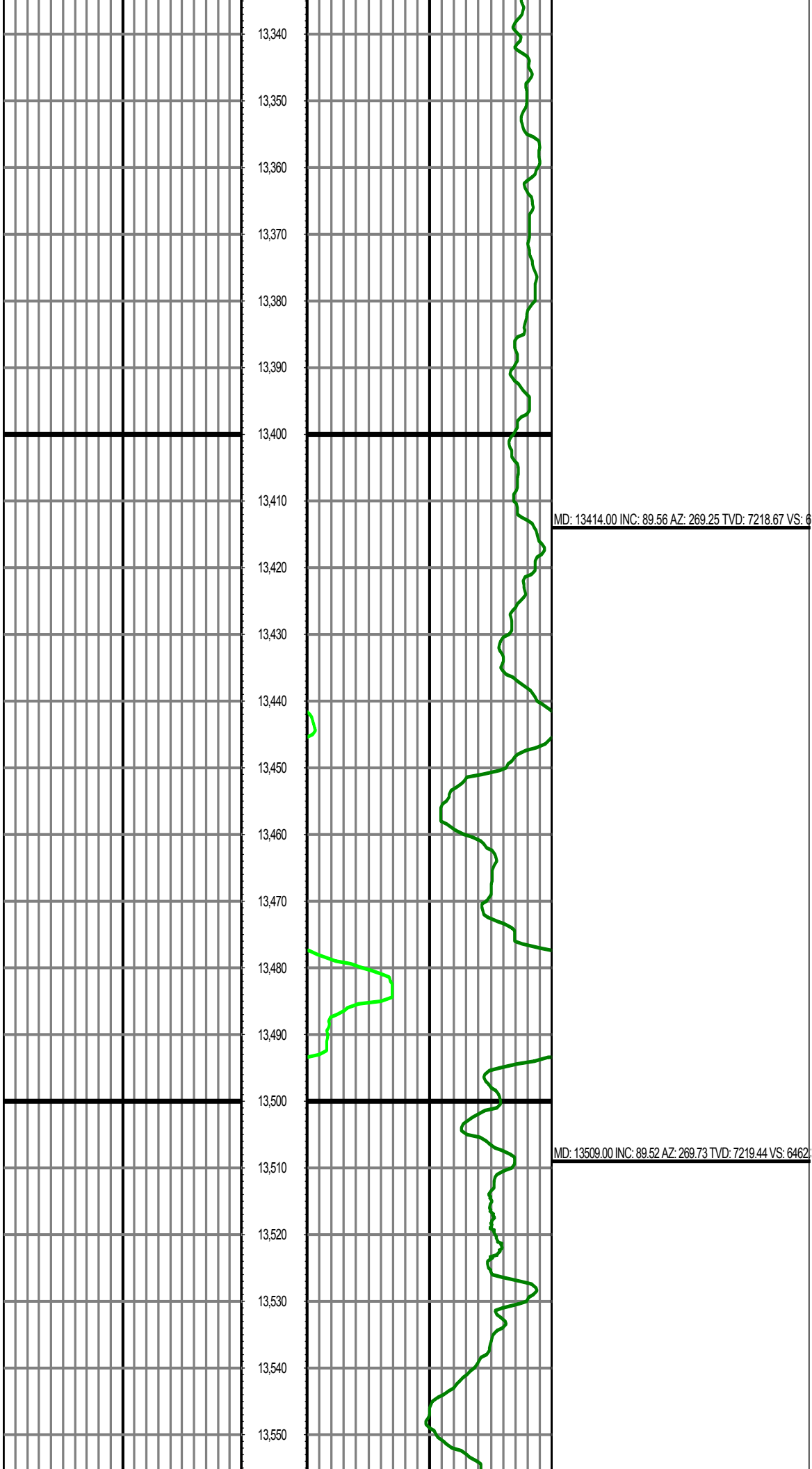
MD: 12559.00 INC: 88.76 AZ: 269.23 TVD: 7223.30 VS: 5512

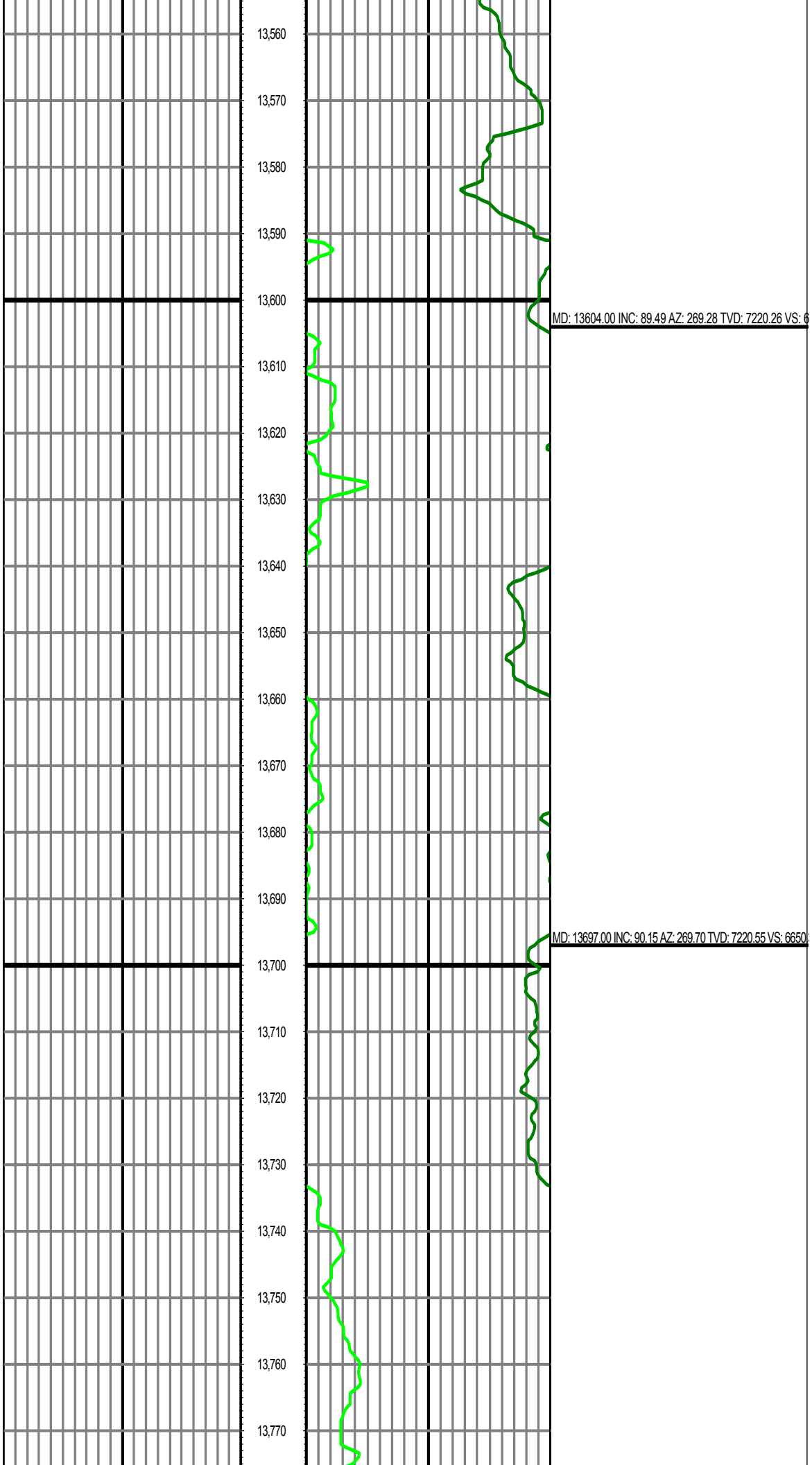
MD: 12655.00 INC: 89.75 AZ: 268.88 TVD: 7224.55 VS: 5608

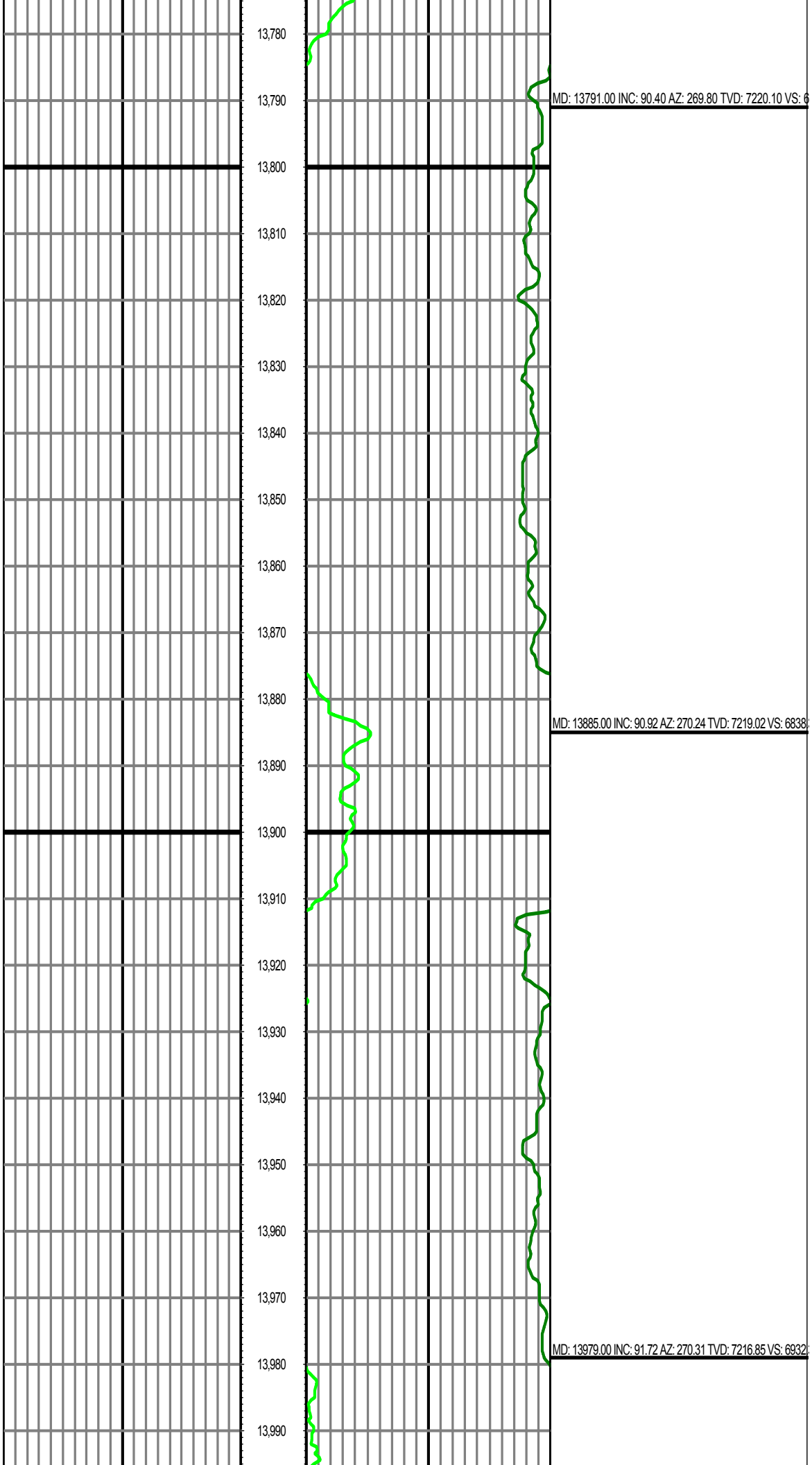


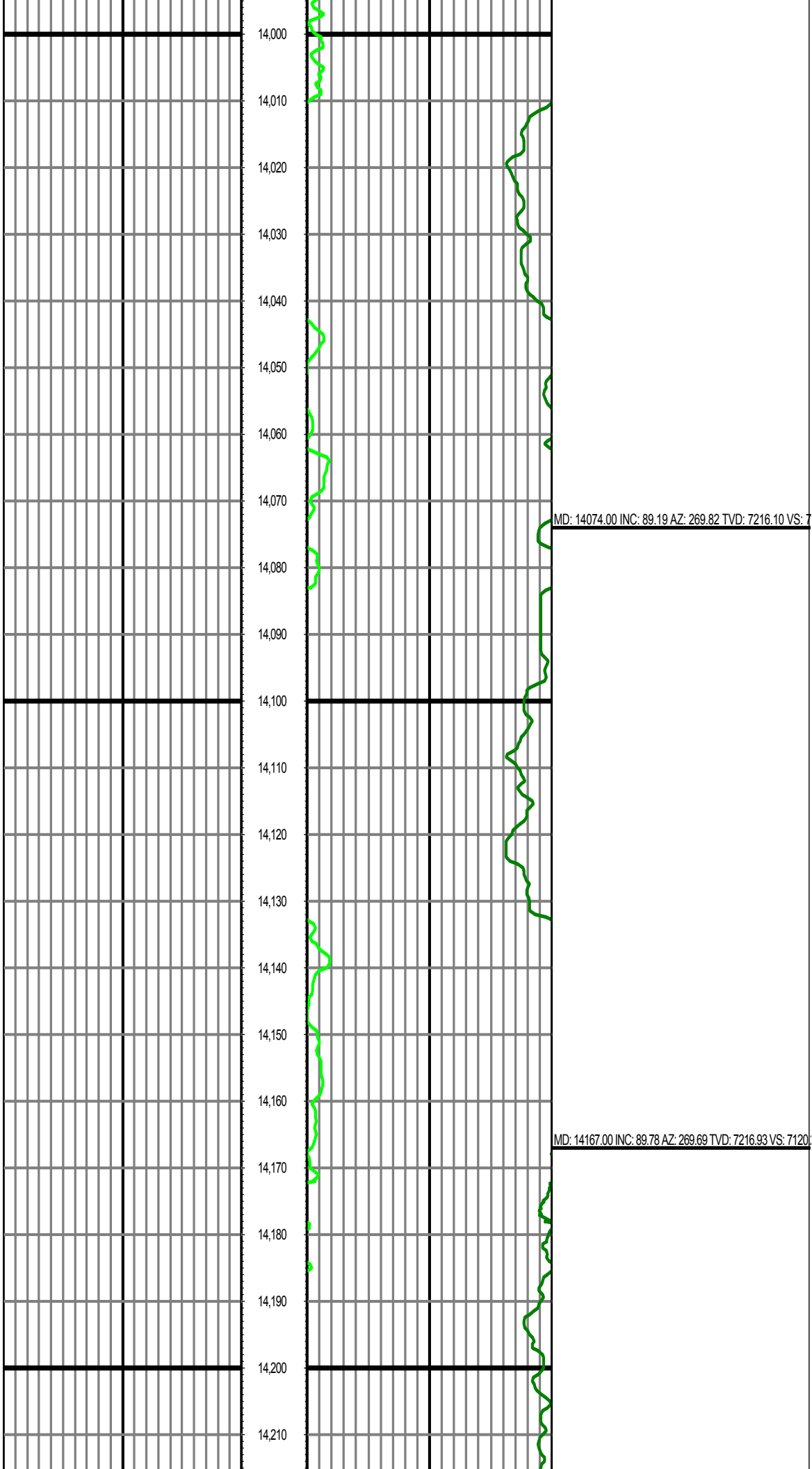


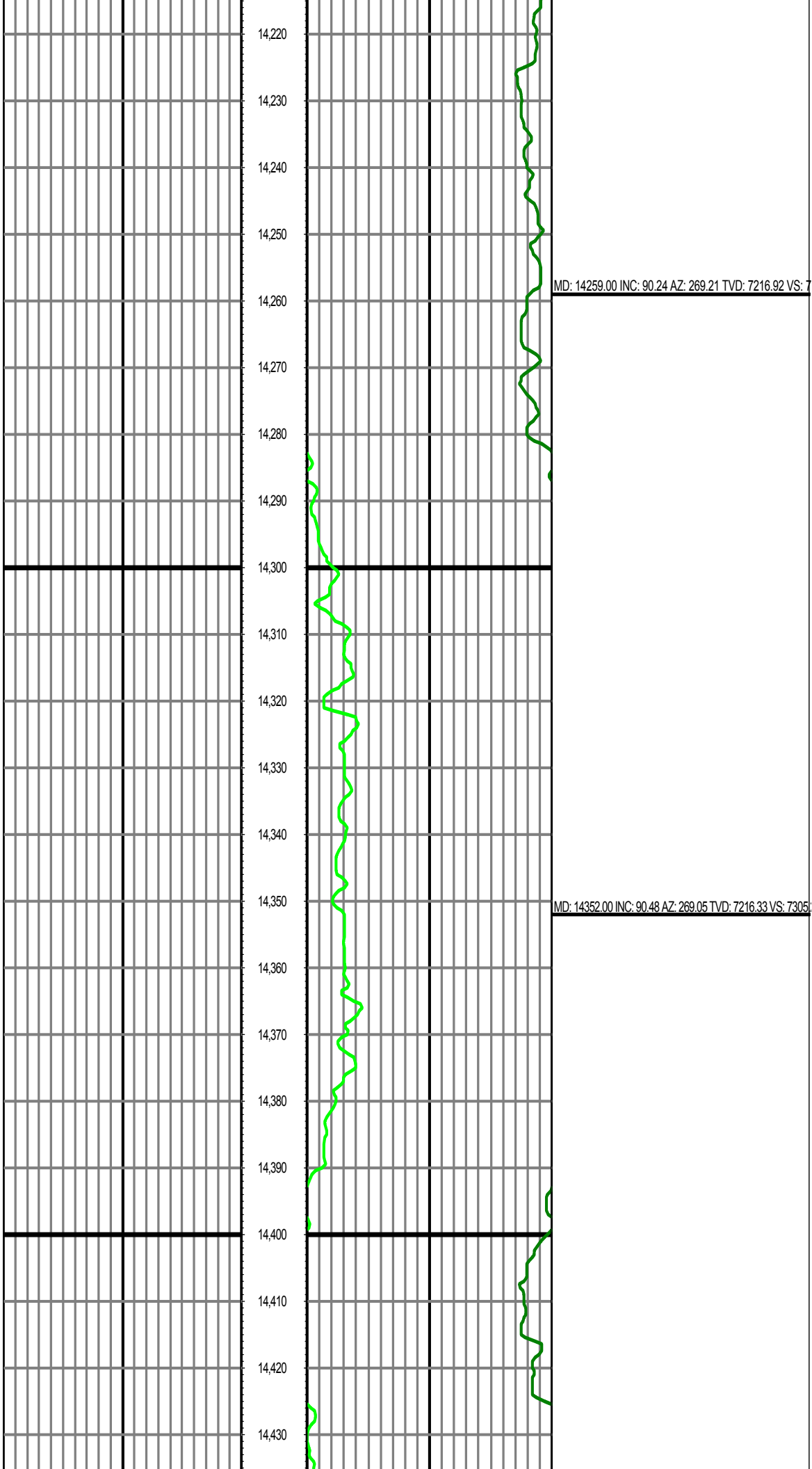


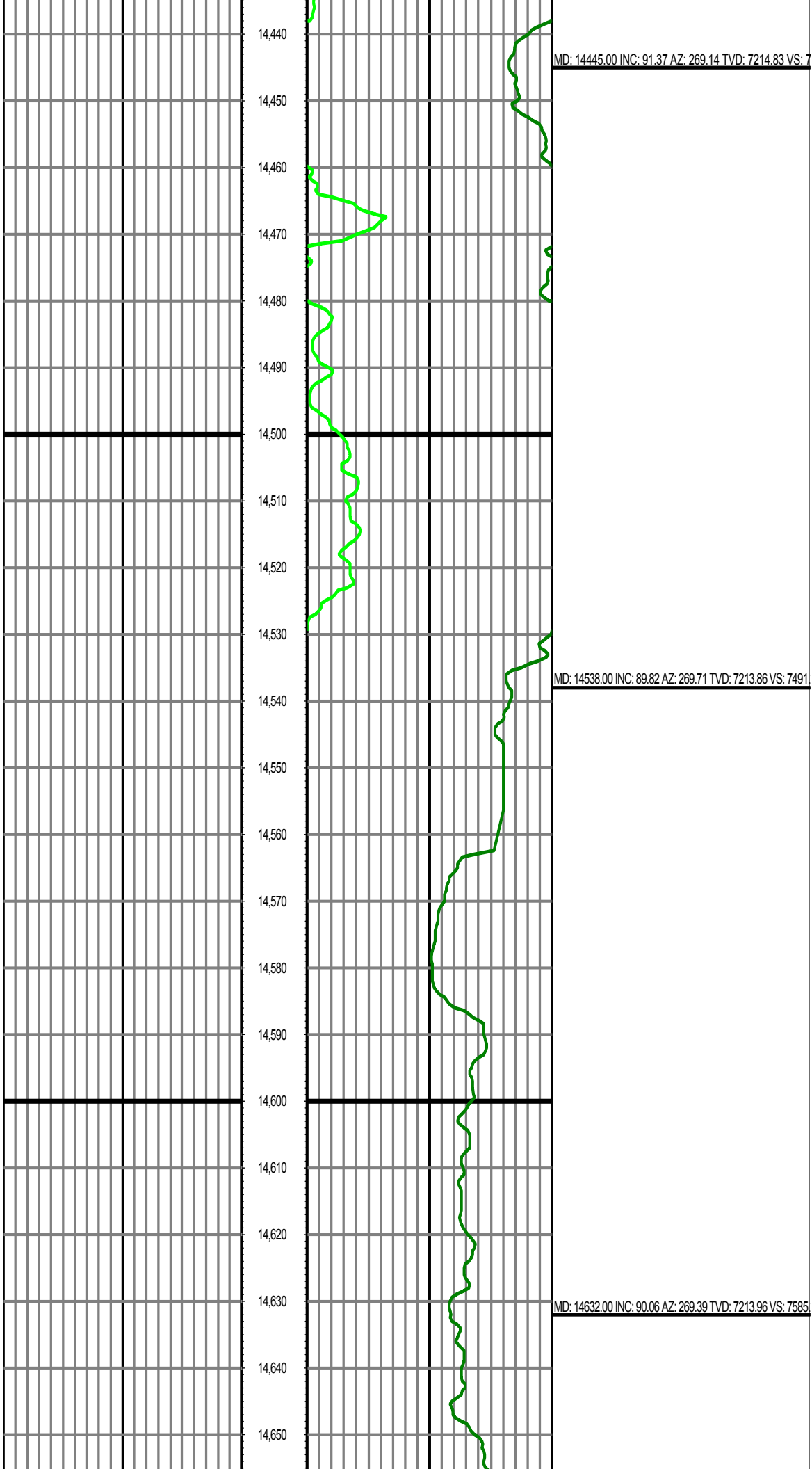


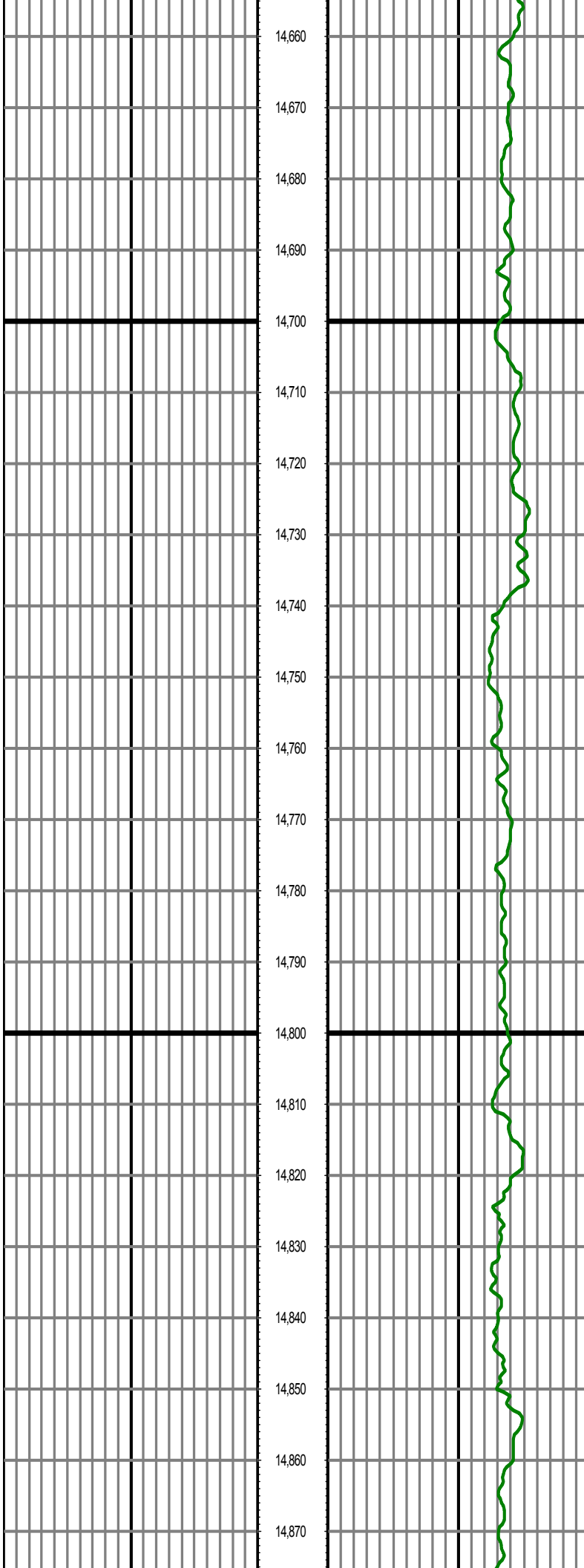






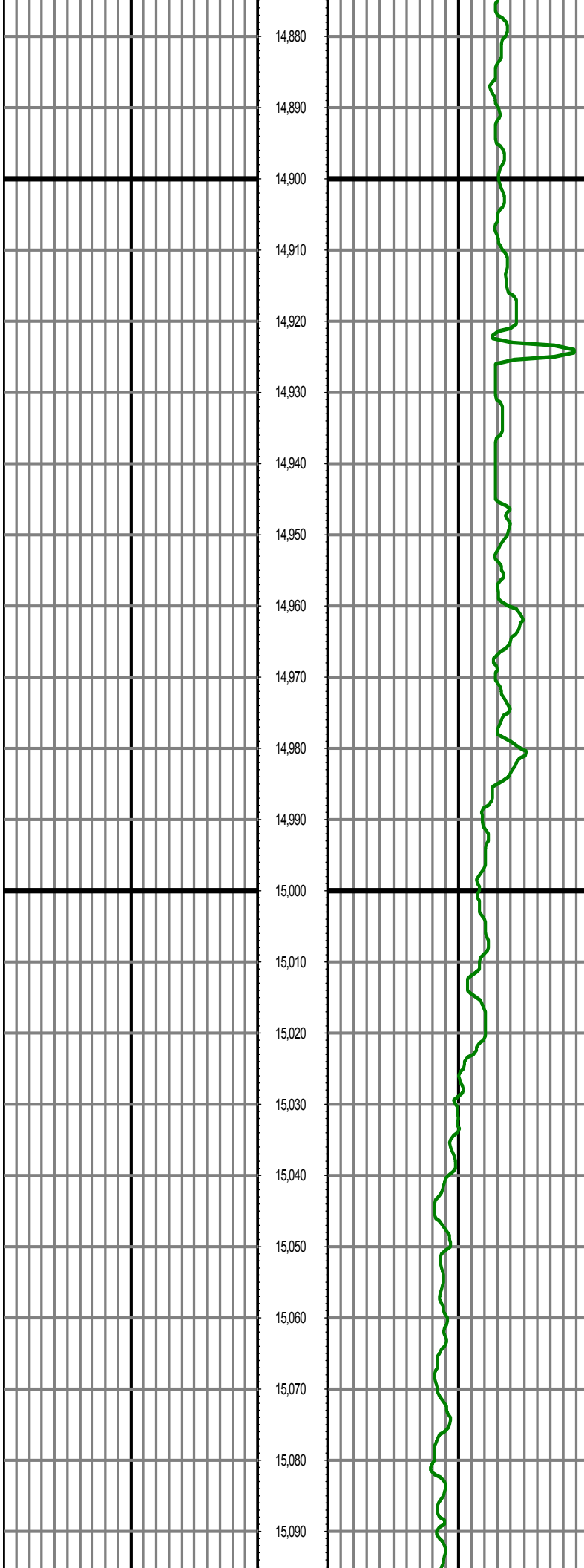






MD: 14724.00 INC: 90.23 AZ: 268.95 TVD: 7213.73 VS: 7

MD: 14818.00 INC: 91.57 AZ: 269.44 TVD: 7212.25 VS: 7771



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15,060

15,070

15,080

15,090

MD: 14911.00 INC: 89.47 AZ: 269.93 TVD: 7211.41 VS: 7

MD: 15005.00 INC: 90.30 AZ: 269.82 TVD: 7211.60 VS: 7958

