



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

WILSON RANCH 5C-27HZ

Scale 5":100' - MD

11/29/2015 1:26 PM

Oper. Company: Anadarko Petroleum Corporation

State: Colorado

Well: WILSON RANCH 5C-27HZ

County: Weld

Field: Wattenburg

Country: USA

Rig: Precision 462

Location: 8-26HZ Pad

Well ID: 05123412950000

Start Date:

Job Number: R15415

End Date:

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

Latitude: 40.286063

Elev KB: 20'

Longitude: -104.962657

Elev DF: 5012'

Elev GL: 4992'

Notes: Datum: NAD1983 Map Zone: 13N (108 W to 102 W) Total Correction: 8.43° Grid Convergence: 0.02° (True North)

Operator 1: Justin Wallace

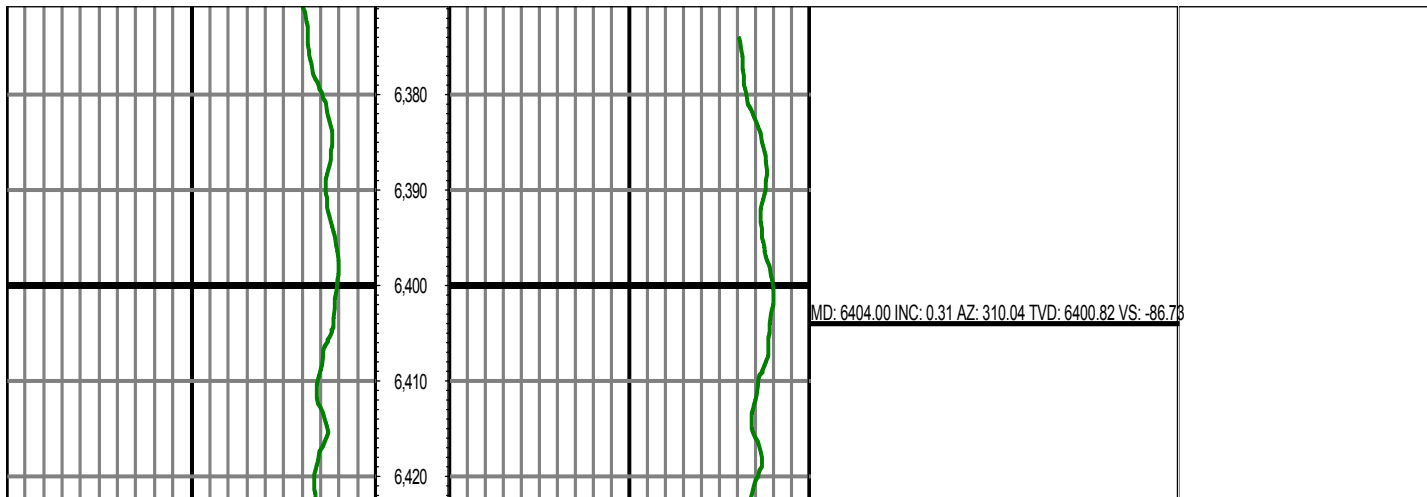
Operator 2: David Clancy

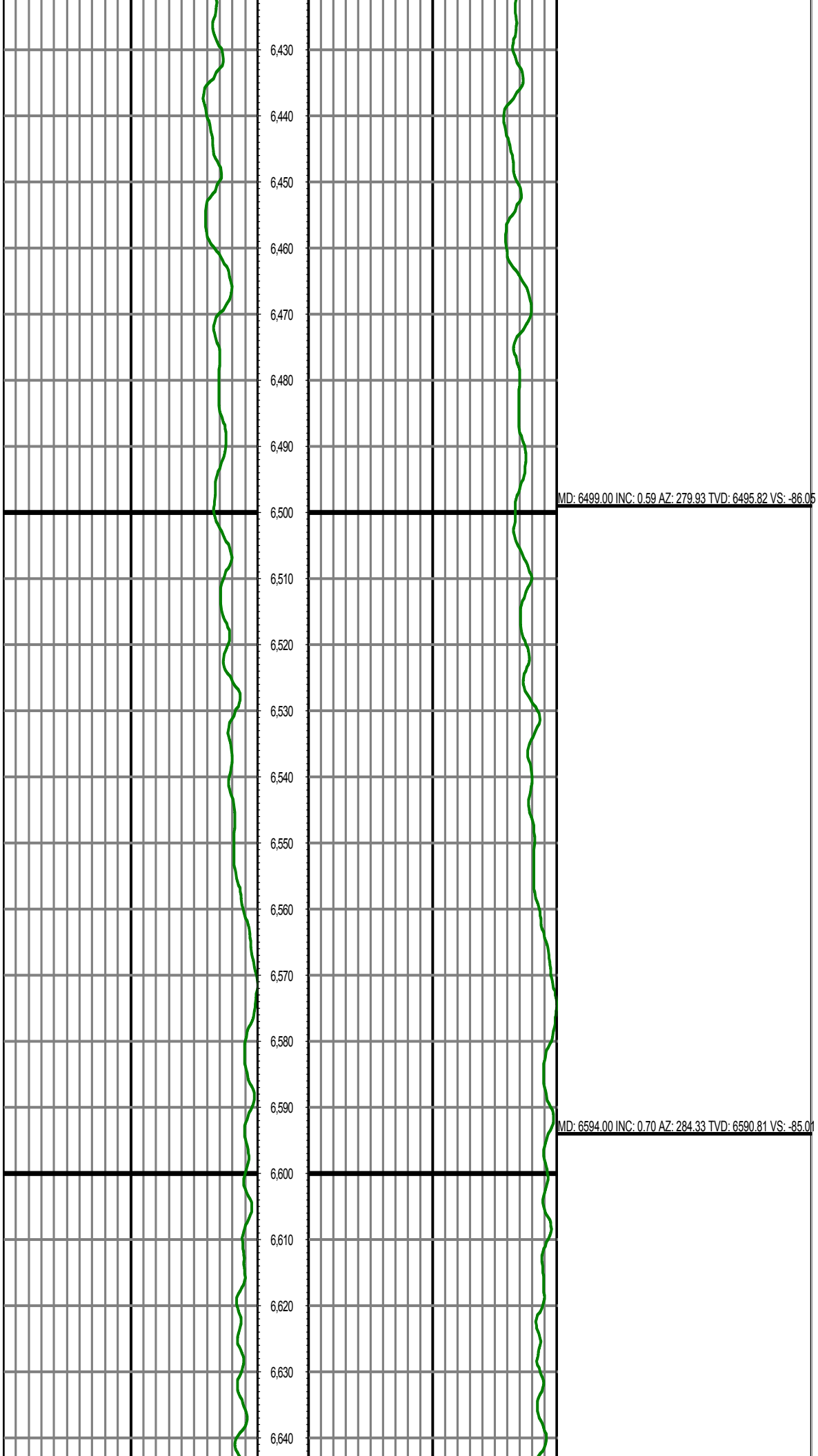
Notes: Smoothing: 6 Gap Fill: 10 Tool Type: Mud Pulse Calculation Method: Minimum Curvature

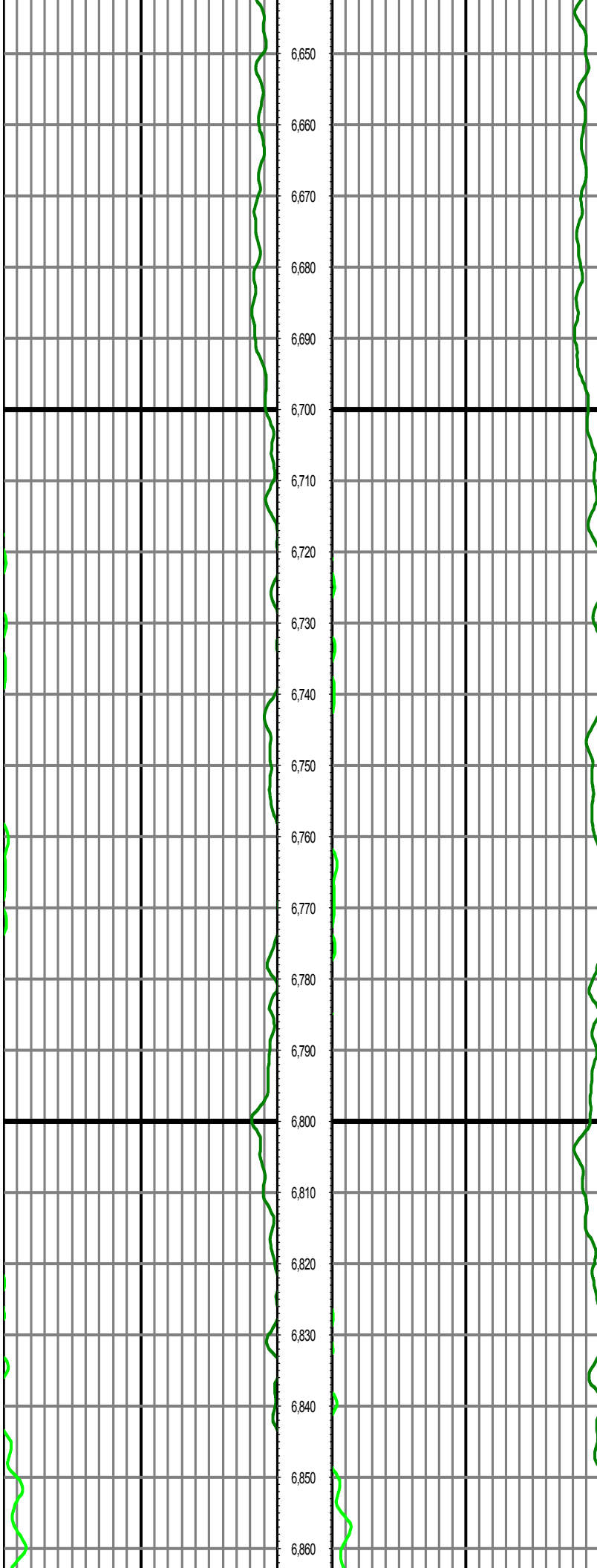
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	EGNF0098				
Bit Size	8.5				
Cal Factor	4.66				
Survey Offset:	72.00				
Gamma Offset	68.00				
Resistivity Offset	0.00				
Start Depth	6600.00				
StartDate	11/24/2015				
StartTime	18:47				
EndDepth	16730.00				
EndDate	11/29/2015				
EndTime	13:10				
Hole Data			Casing Data		
Size	From	To	Size	From	To
8 1/2	1850.00	16730.00	9 5/8	0.00	1850.00

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

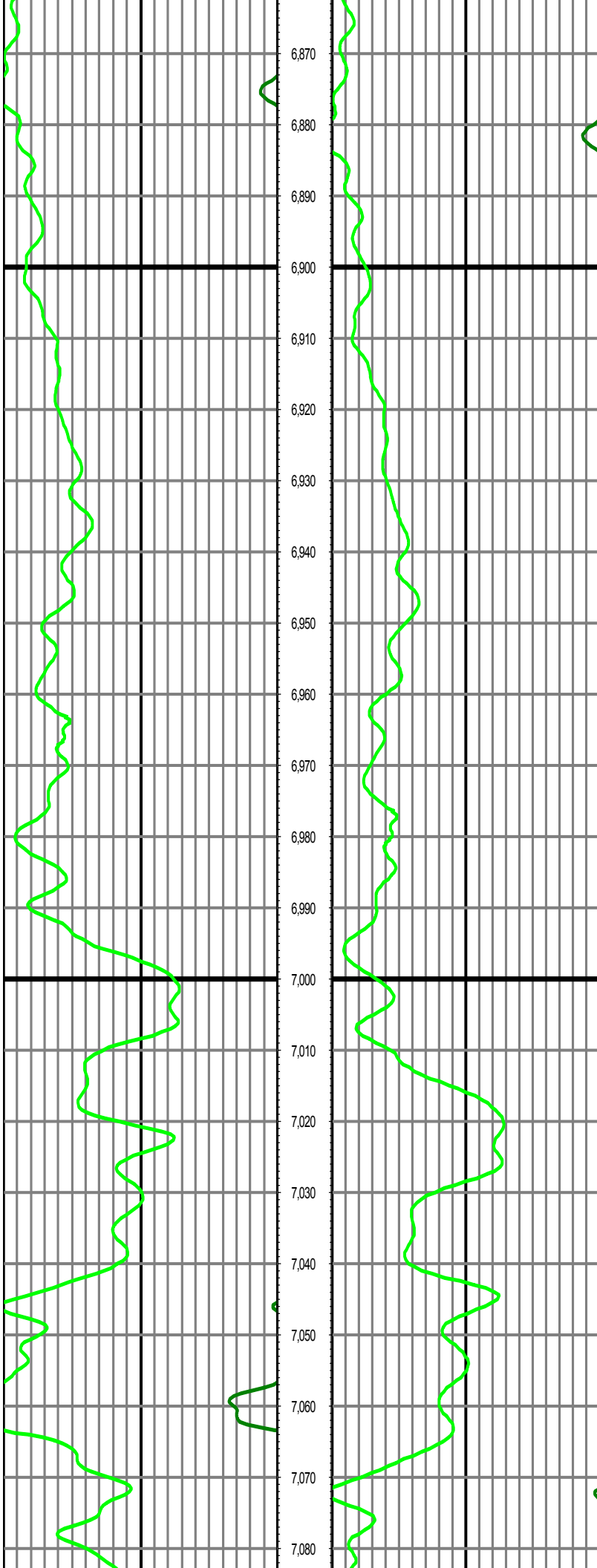






MD: 6688.00 INC: 2.00 AZ: 257.56 TVD: 6684.79 VS: -82.85

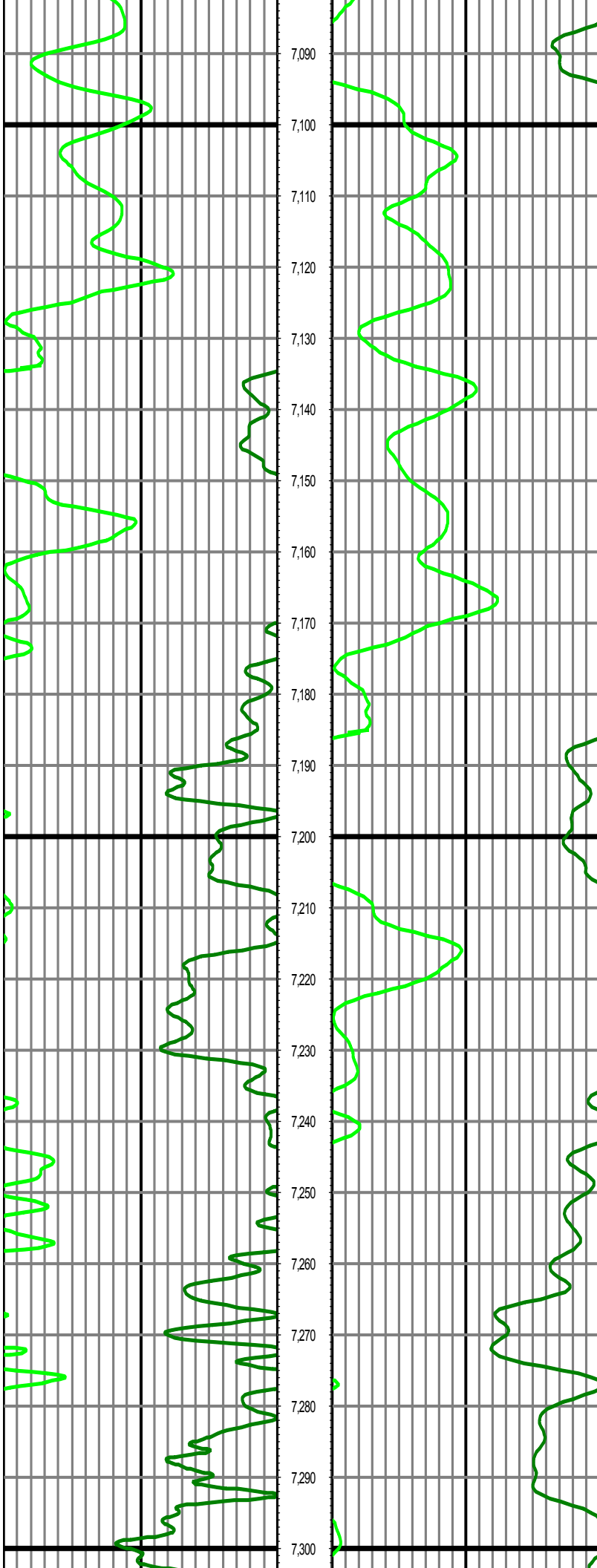
MD: 6783.00 INC: 8.69 AZ: 252.67 TVD: 6779.32 VS: -74.33



MD: 6878.00 INC: 16.83 AZ: 263.06 TVD: 6871.91 VS: -53.7

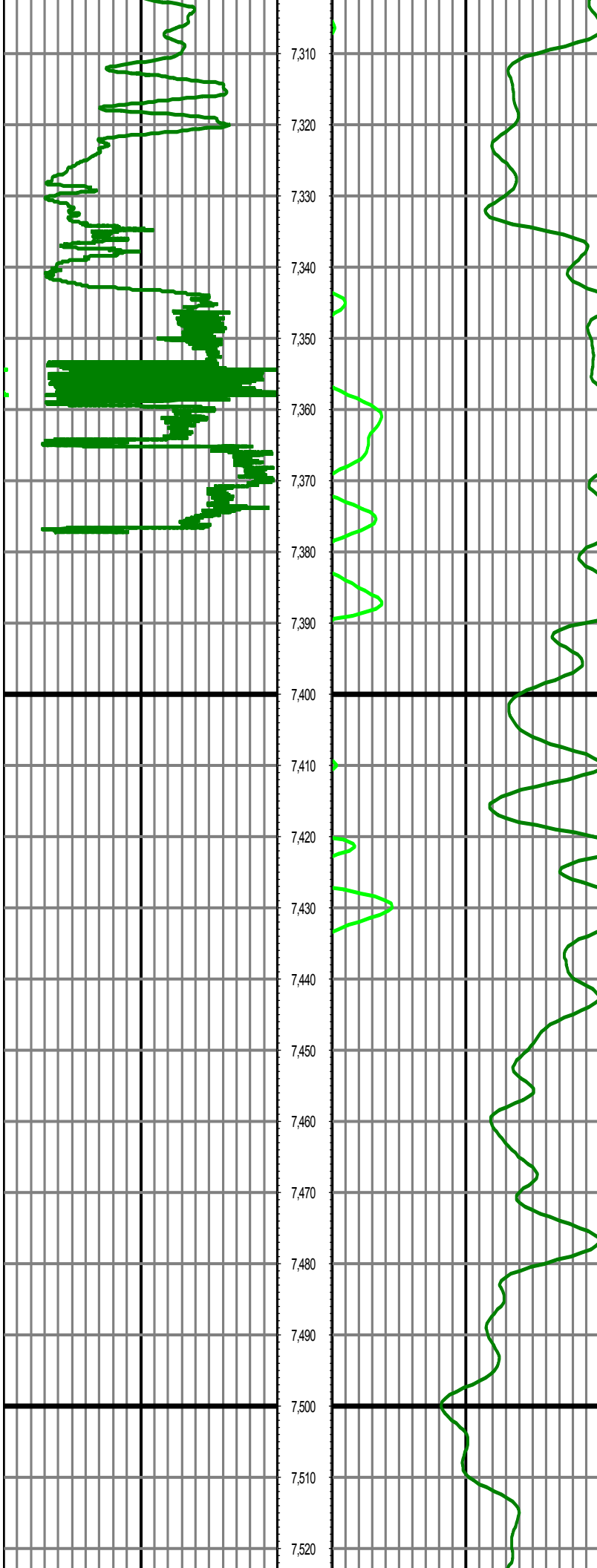
MD: 6972.00 INC: 26.10 AZ: 262.95 TVD: 6959.29 VS: -19.57

MD: 7067.00 INC: 33.17 AZ: 262.50 TVD: 7041.81 VS: 27.0



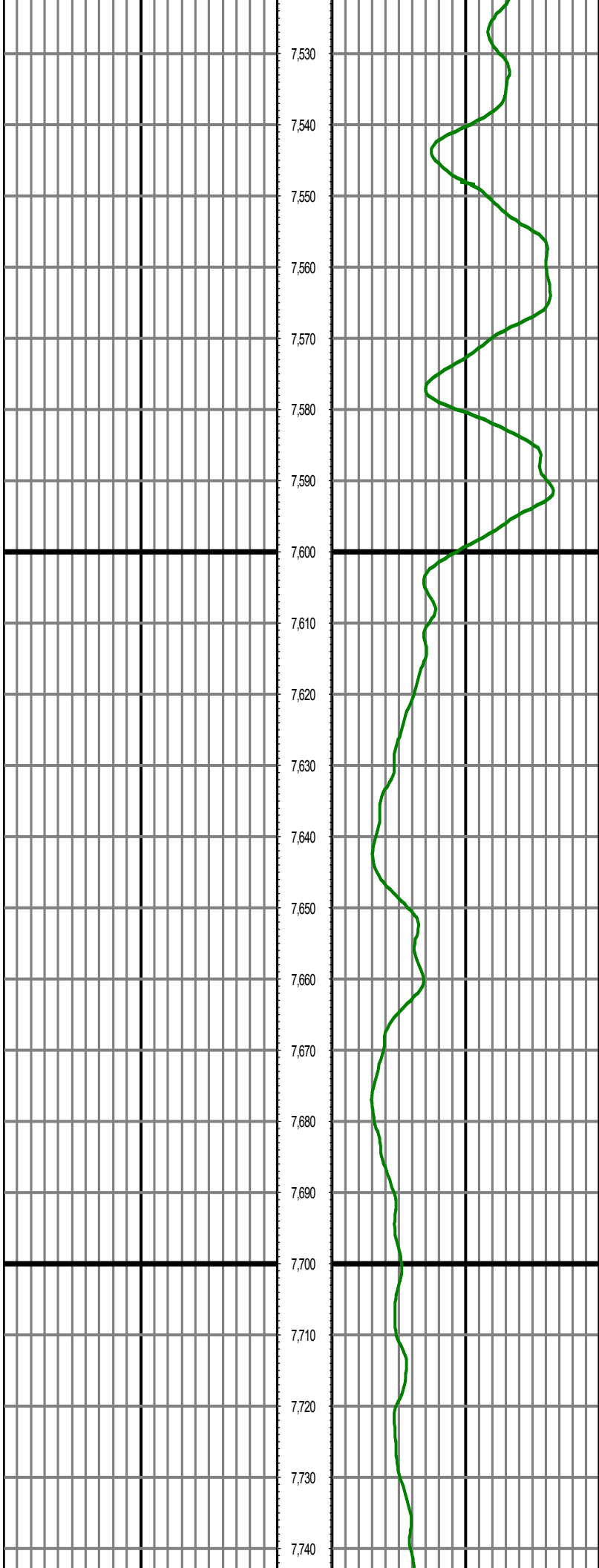
MD: 7162.00 INC: 41.25 AZ: 270.10 TVD: 7117.45 VS: 84.3

MD: 7257.00 INC: 48.08 AZ: 271.46 TVD: 7184.98 VS: 151



MD: 7352.00 INC: 58.69 AZ: 268.85 TVD: 7241.56 VS: 227

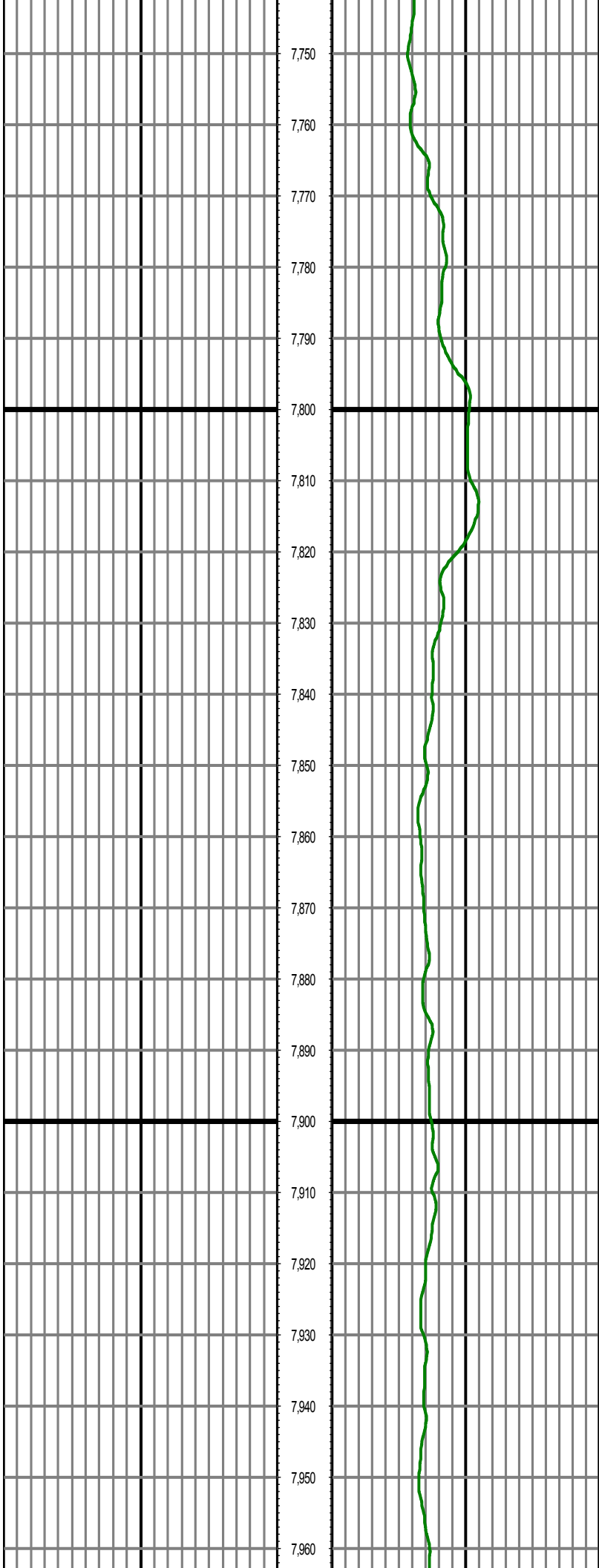
MD: 7448.00 INC: 68.74 AZ: 270.26 TVD: 7284.02 VS: 313.12



MD: 7543.00 INC: 76.96 AZ: 271.40 TVD: 7312.01 VS: 403.7

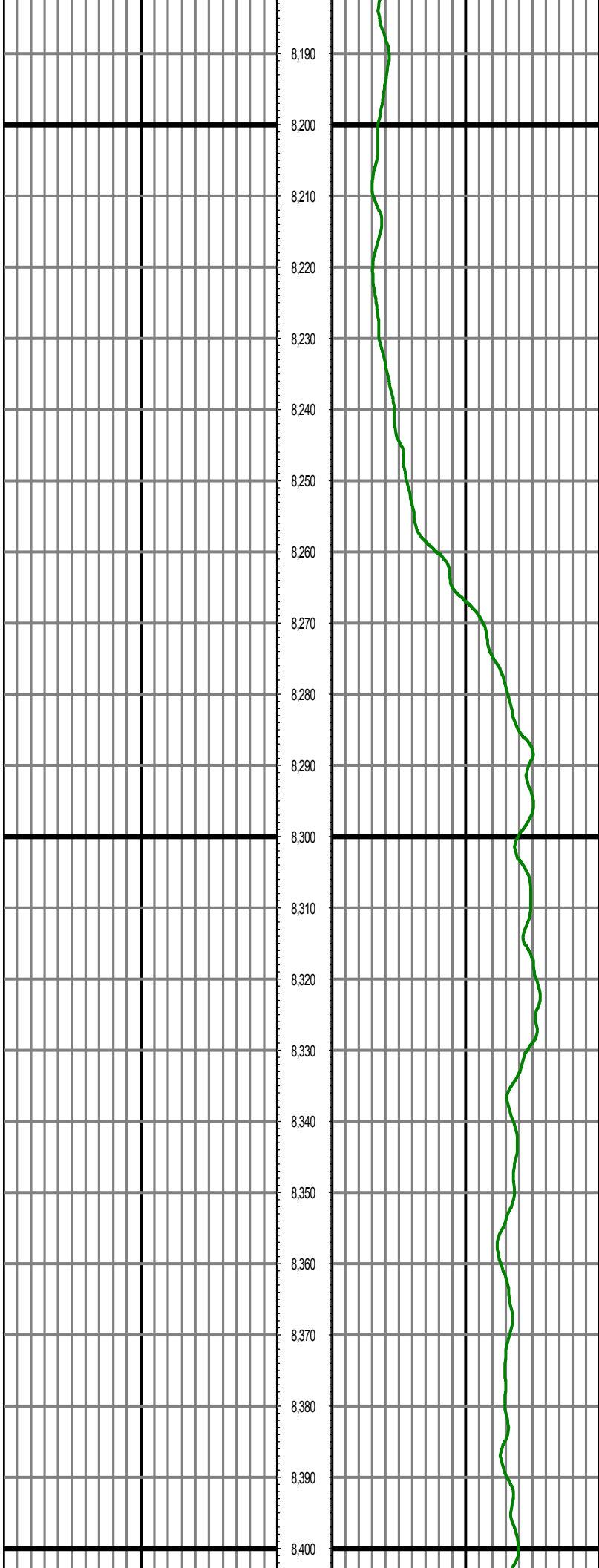
MD: 7639.00 INC: 83.87 AZ: 272.26 TVD: 7327.99 VS: 498.27

MD: 7734.00 INC: 89.13 AZ: 270.48 TVD: 7333.79 VS: 592.99



MD: 7828.00 INC: 89.42 AZ: 270.10 TVD: 7334.98 VS: 686.1

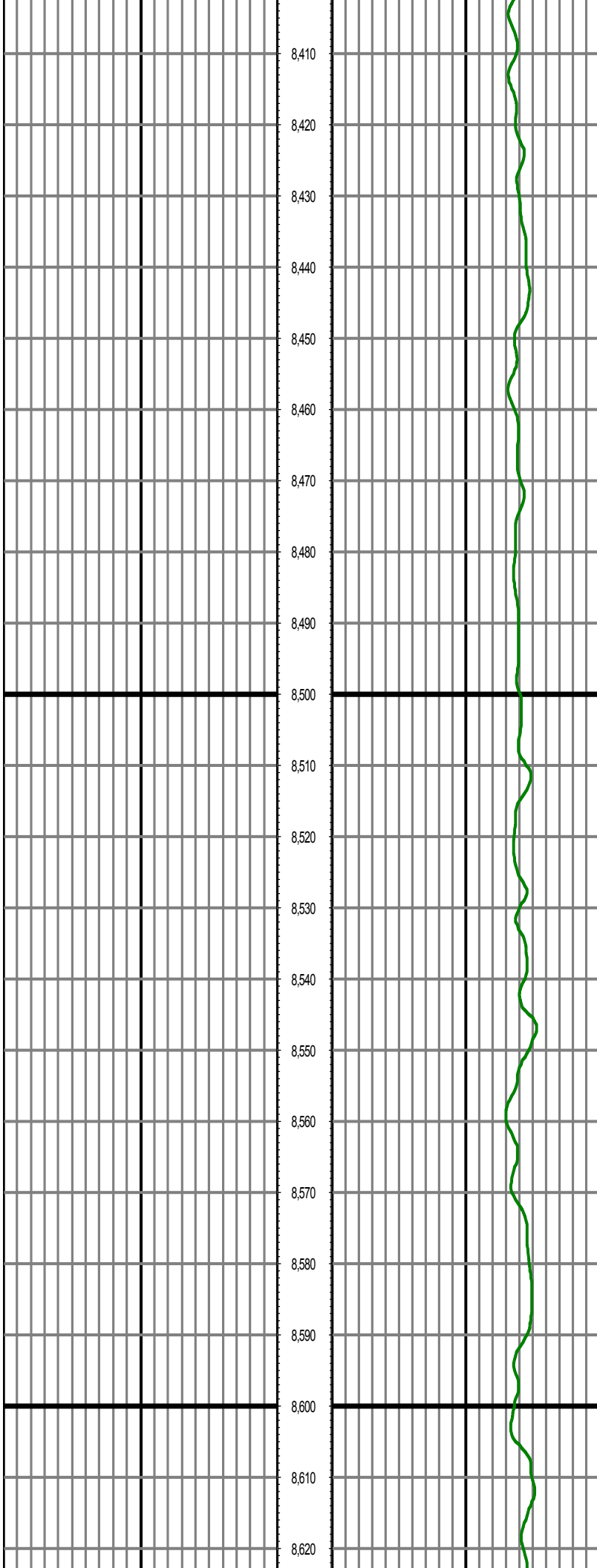
MD: 7923.00 INC: 90.11 AZ: 271.24 TVD: 7335.37 VS: 781.93



MD: 8209.00 INC: 87.82 AZ: 267.64 TVD: 7340.86 VS: 1067

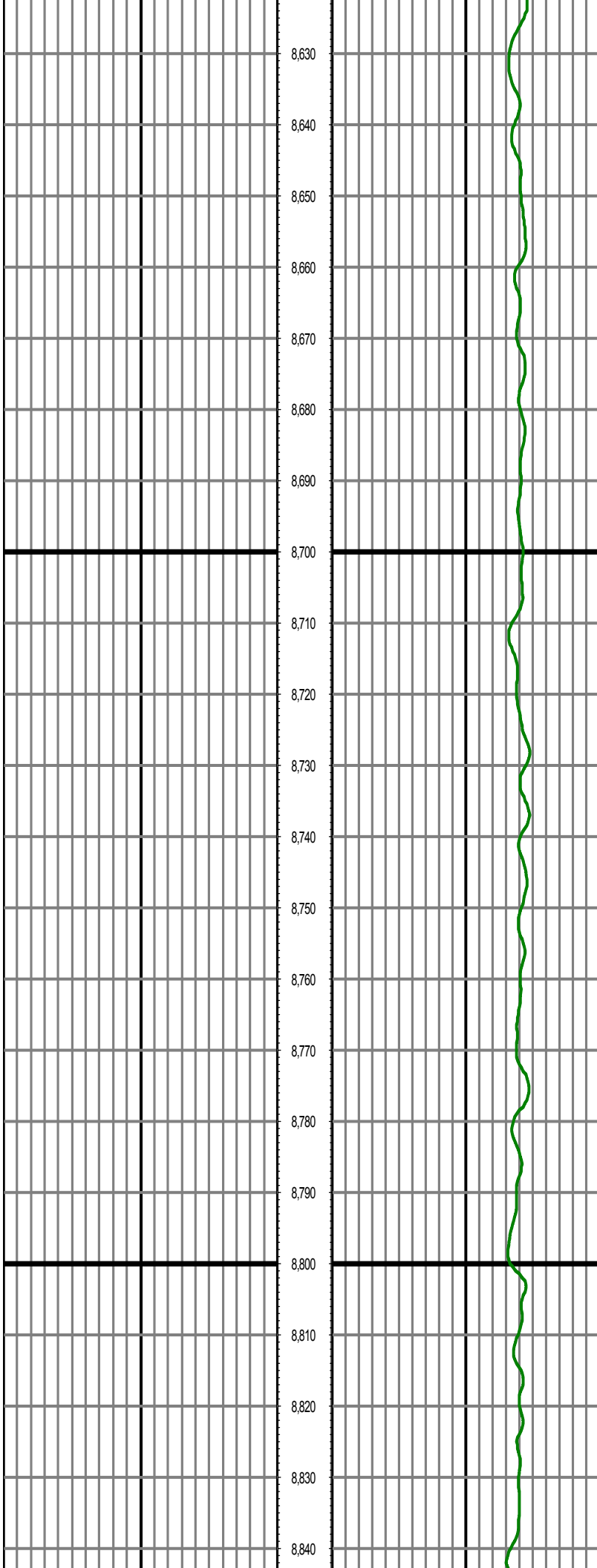
MD: 8303.00 INC: 87.65 AZ: 267.00 TVD: 7344.57 VS: 1161.68

MD: 8397.00 INC: 88.75 AZ: 266.17 TVD: 7347.52 VS: 1255.54



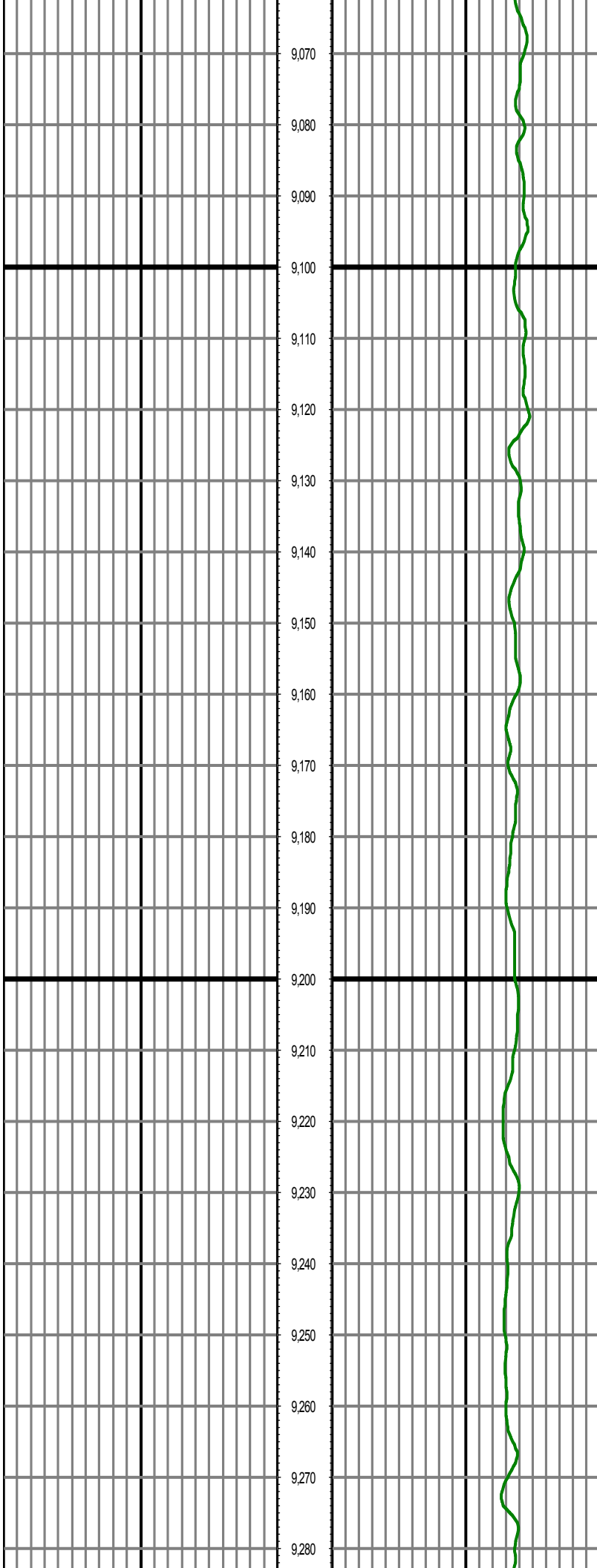
MD: 8491.00 INC: 89.28 AZ: 267.99 TVD: 7349.14 VS: 1349

MD: 8586.00 INC: 90.72 AZ: 267.93 TVD: 7349.14 VS: 1444.43



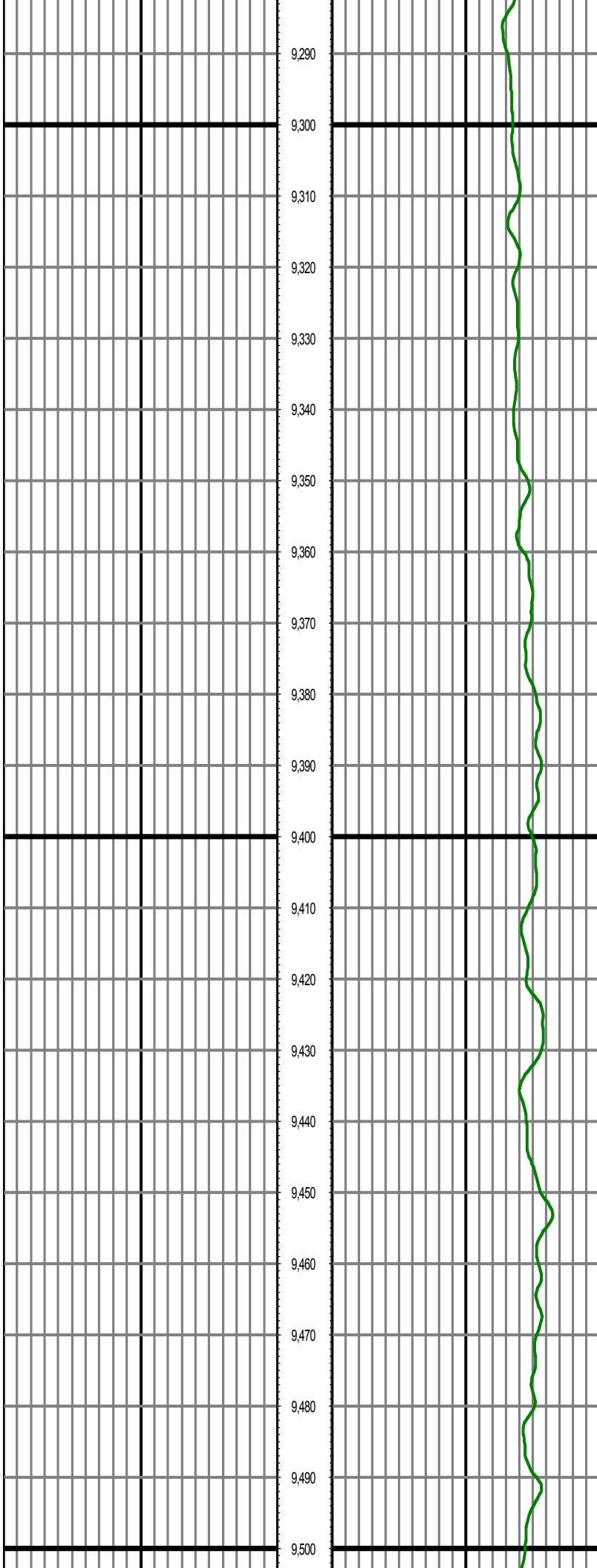
MD: 8682.00 INC: 90.19 AZ: 269.56 TVD: 7348.38 VS: 1540

MD: 8776.00 INC: 88.85 AZ: 270.36 TVD: 7349.17 VS: 1634.41



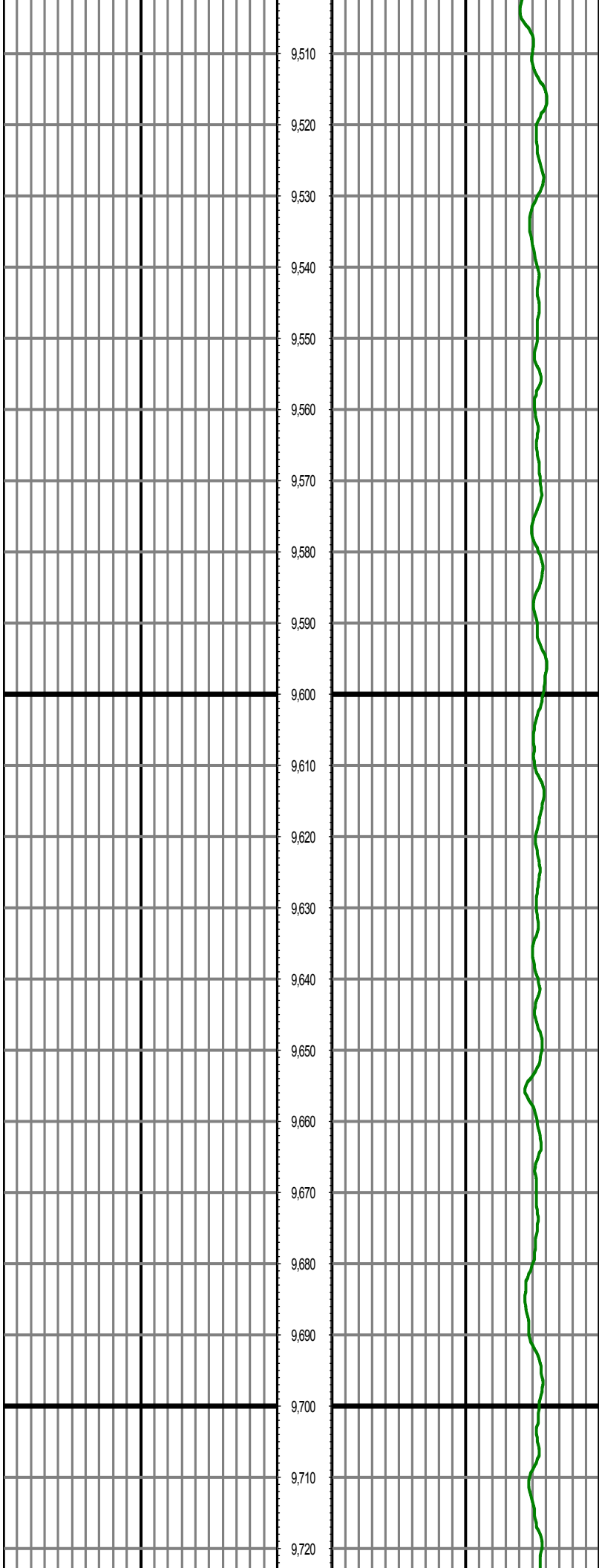
MD: 9157.00 INC: 90.56 AZ: 270.27 TVD: 7348.31 VS: 2015

MD: 9252.00 INC: 89.89 AZ: 269.44 TVD: 7347.94 VS: 2110.35



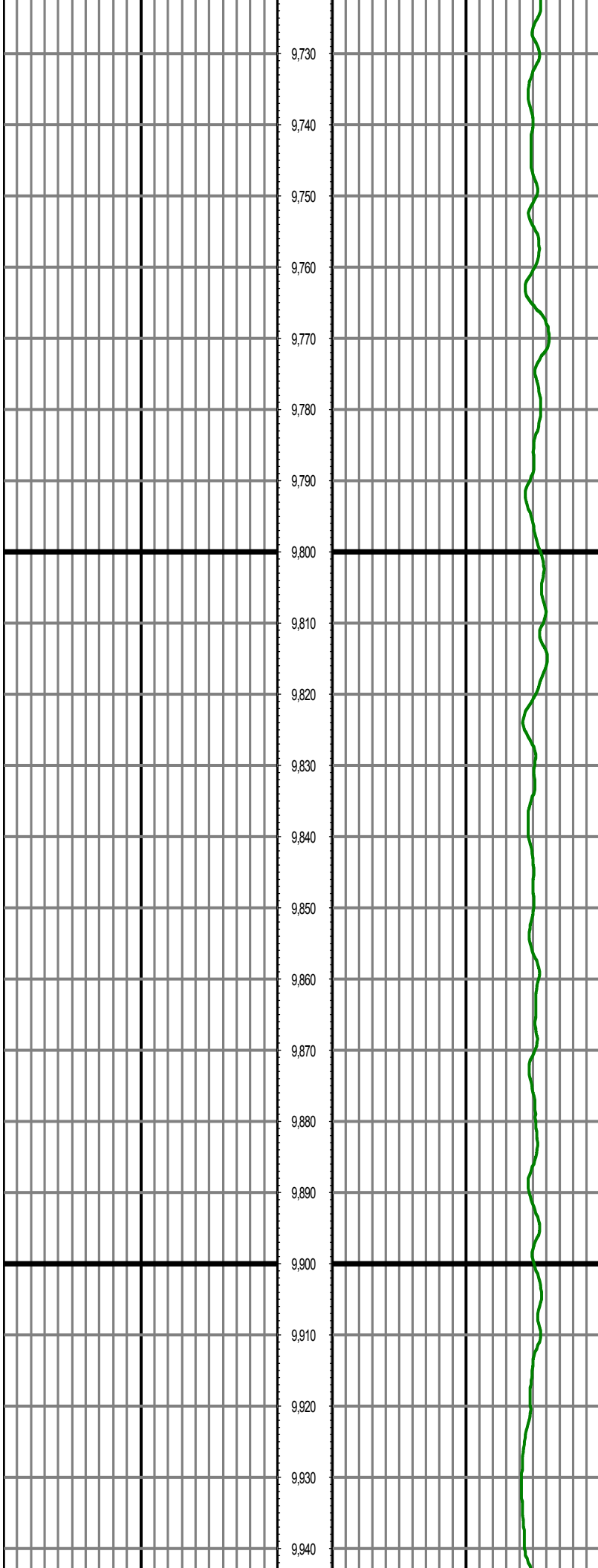
MD: 9347.00 INC: 91.31 AZ: 269.36 TVD: 7346.95 VS: 2205

MD: 9442.00 INC: 89.46 AZ: 268.52 TVD: 7346.31 VS: 2300.33



MD: 9538.00 INC: 89.17 AZ: 267.32 TVD: 7347.46 VS: 2396

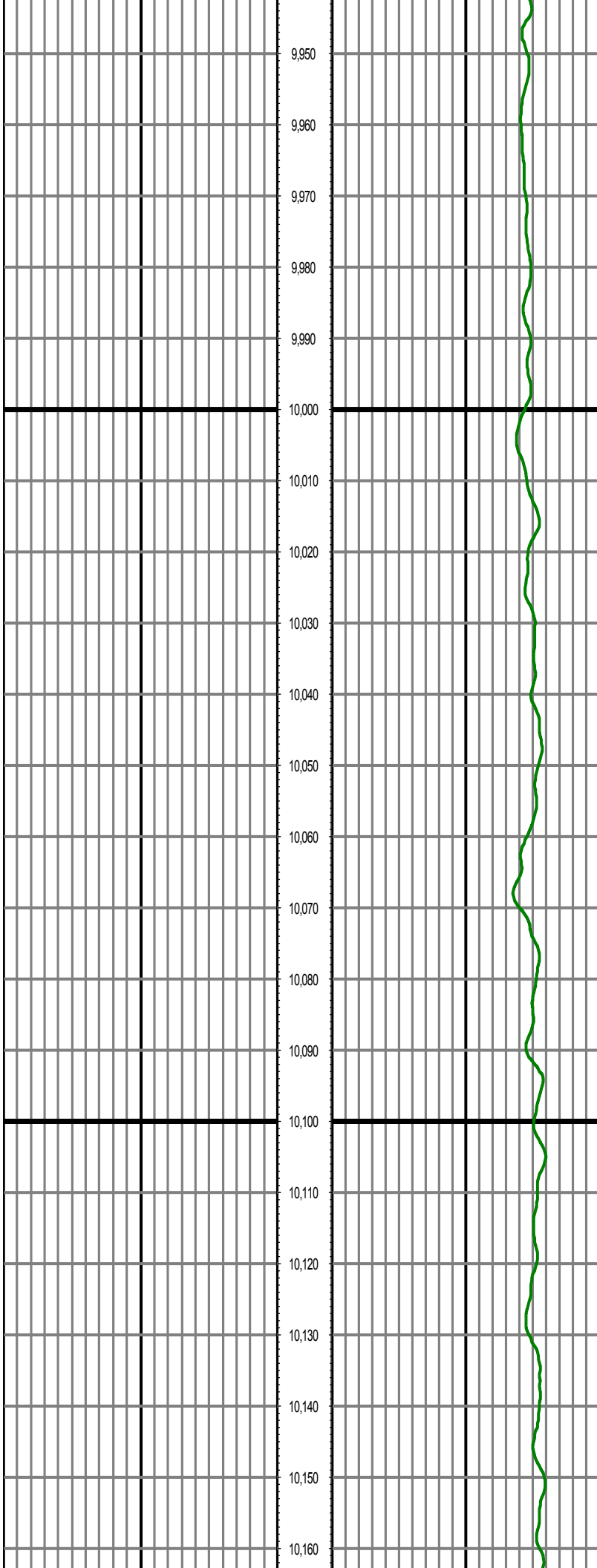
MD: 9632.00 INC: 89.57 AZ: 268.93 TVD: 7348.49 VS: 2490.27



MD: 9727.00 INC: 90.63 AZ: 268.45 TVD: 7348.33 VS: 2585

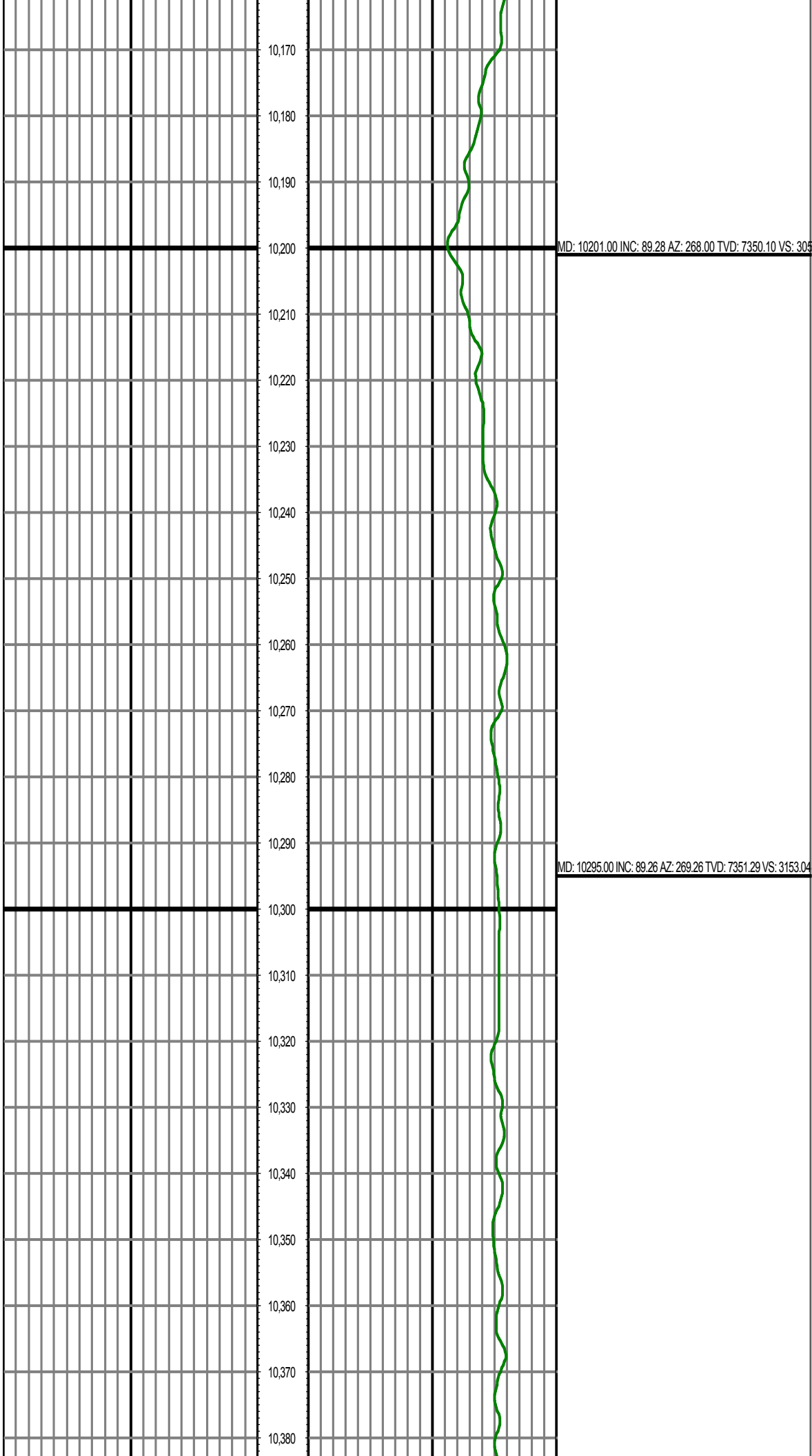
MD: 9822.00 INC: 88.41 AZ: 268.55 TVD: 7349.12 VS: 2680.25

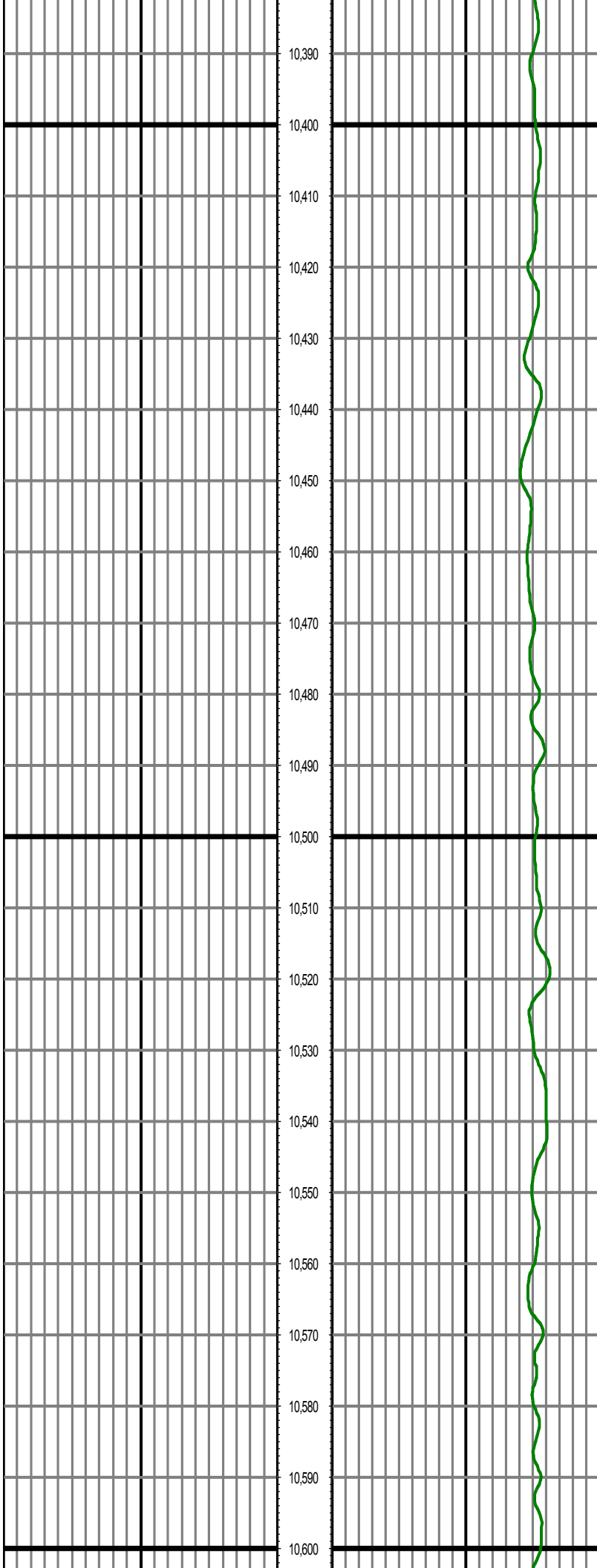
MD: 9917.00 INC: 89.17 AZ: 267.95 TVD: 7351.13 VS: 2775.22



MD: 10012.00 INC: 90.52 AZ: 267.65 TVD: 7351.39 VS: 287

MD: 10107.00 INC: 90.88 AZ: 266.29 TVD: 7350.23 VS: 2965.11

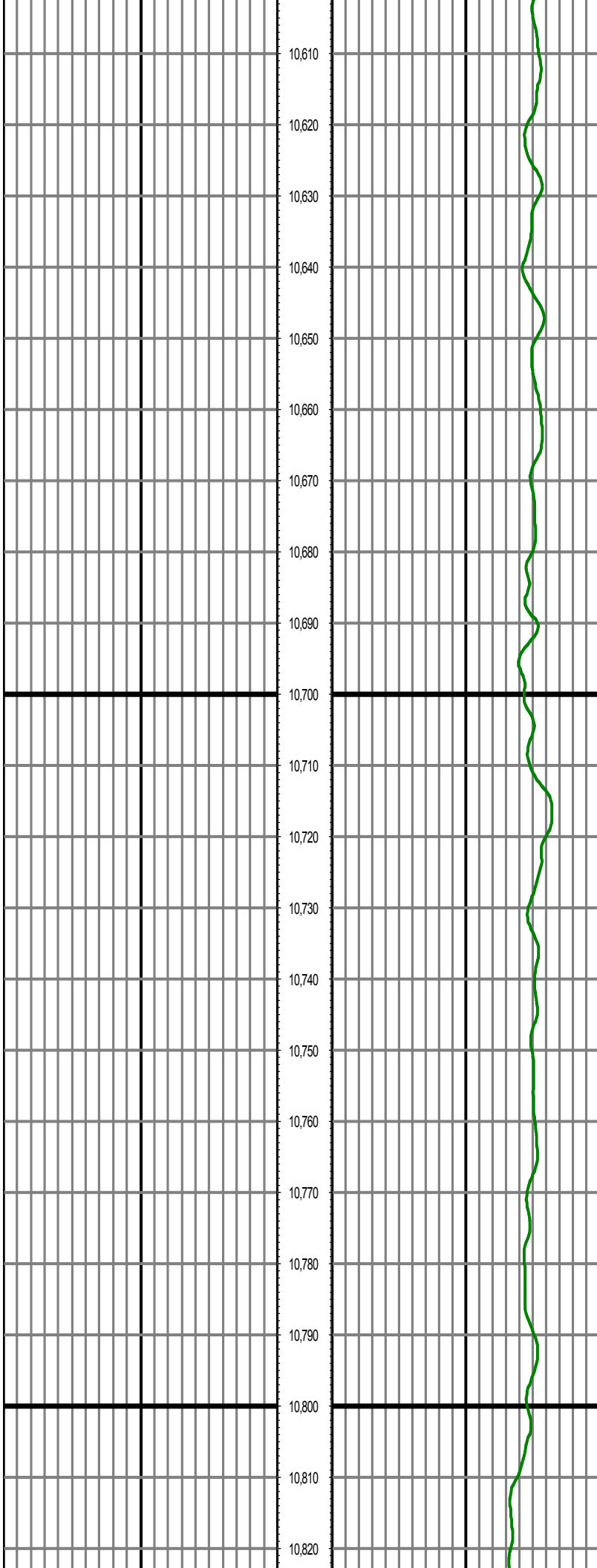




MD: 10389.00 INC: 88.71 AZ: 267.77 TVD: 7352.96 VS: 324

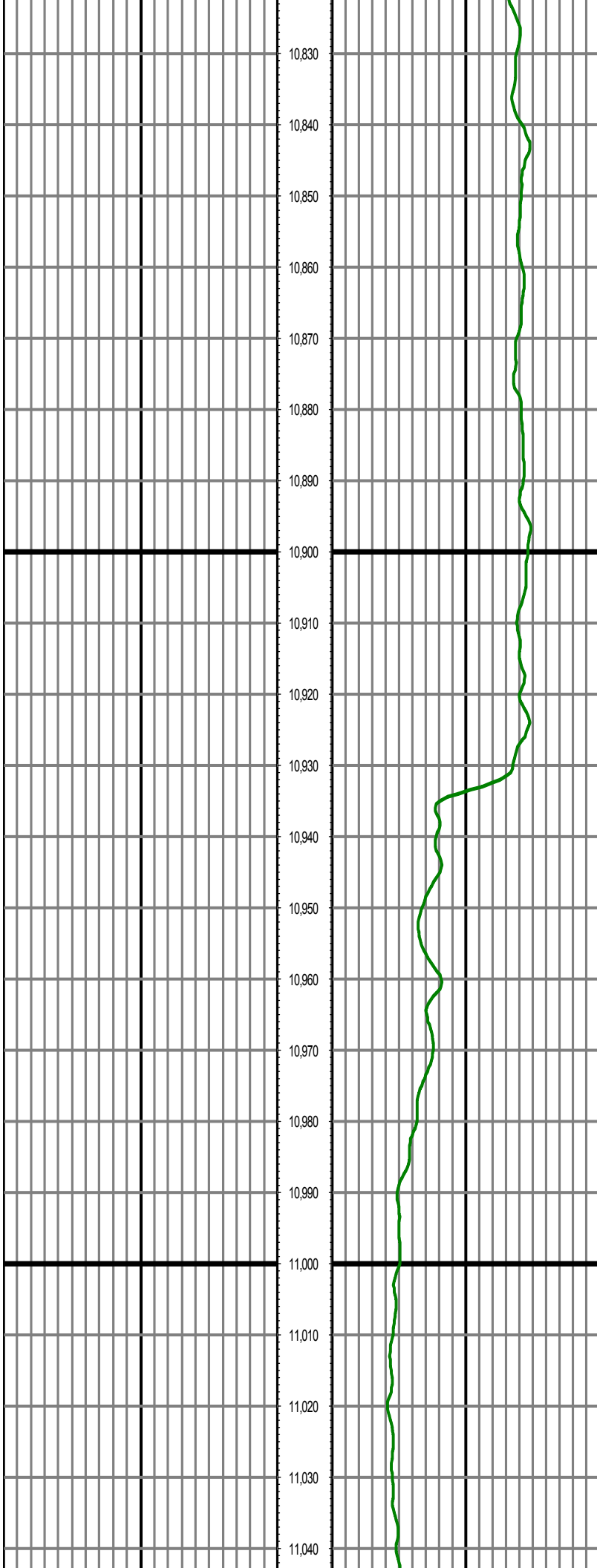
MD: 10484.00 INC: 89.82 AZ: 269.78 TVD: 7354.18 VS: 3342.00

MD: 10579.00 INC: 90.00 AZ: 271.35 TVD: 7354.33 VS: 3436.96



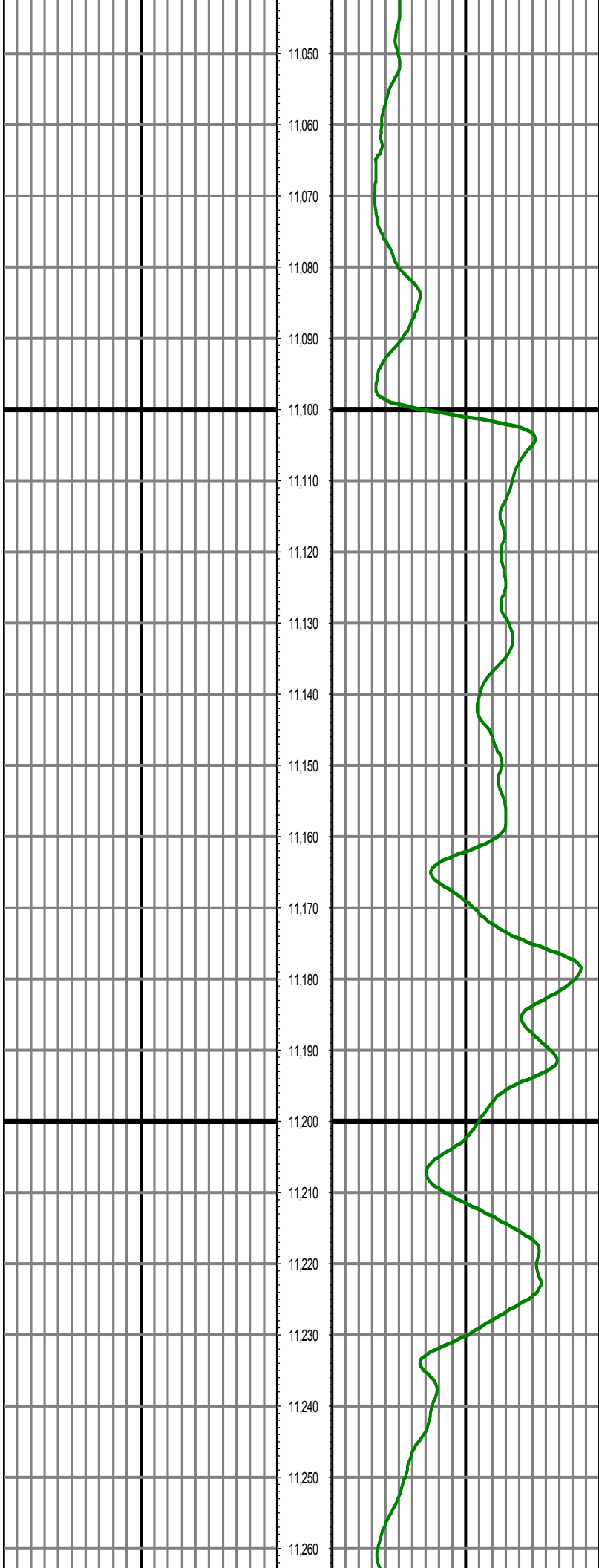
MD: 10674.00 INC: 88.69 AZ: 269.07 TVD: 7355.41 VS: 353

MD: 10767.00 INC: 89.20 AZ: 270.71 TVD: 7357.12 VS: 3624.91



MD: 10863.00 INC: 90.81 AZ: 270.45 TVD: 7357.12 VS: 372

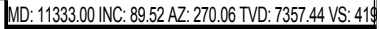
MD: 10958.00 INC: 91.68 AZ: 269.88 TVD: 7355.05 VS: 3815.83



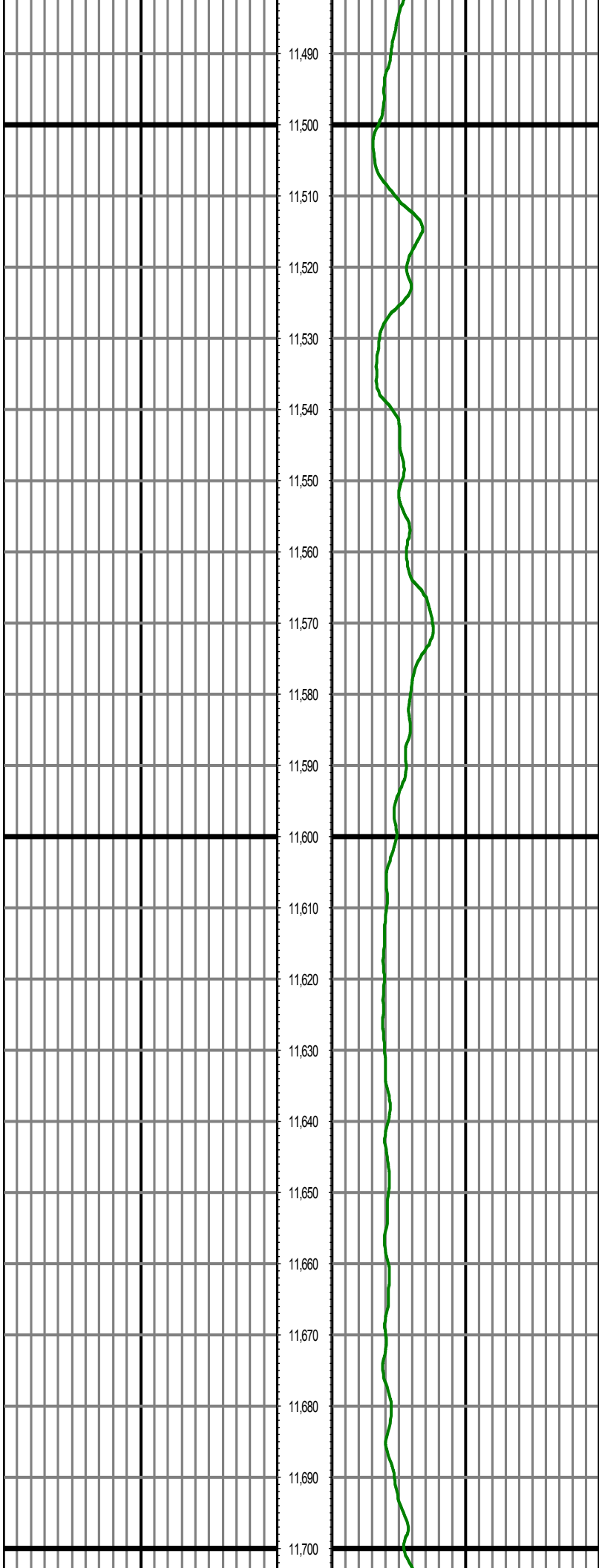
MD: 11053.00 INC: 90.29 AZ: 270.38 TVD: 7353.42 VS: 391

MD: 11148.00 INC: 88.92 AZ: 270.72 TVD: 7354.07 VS: 4005.77

MD: 11240.00 INC: 88.69 AZ: 270.05 TVD: 7355.99 VS: 4097.73

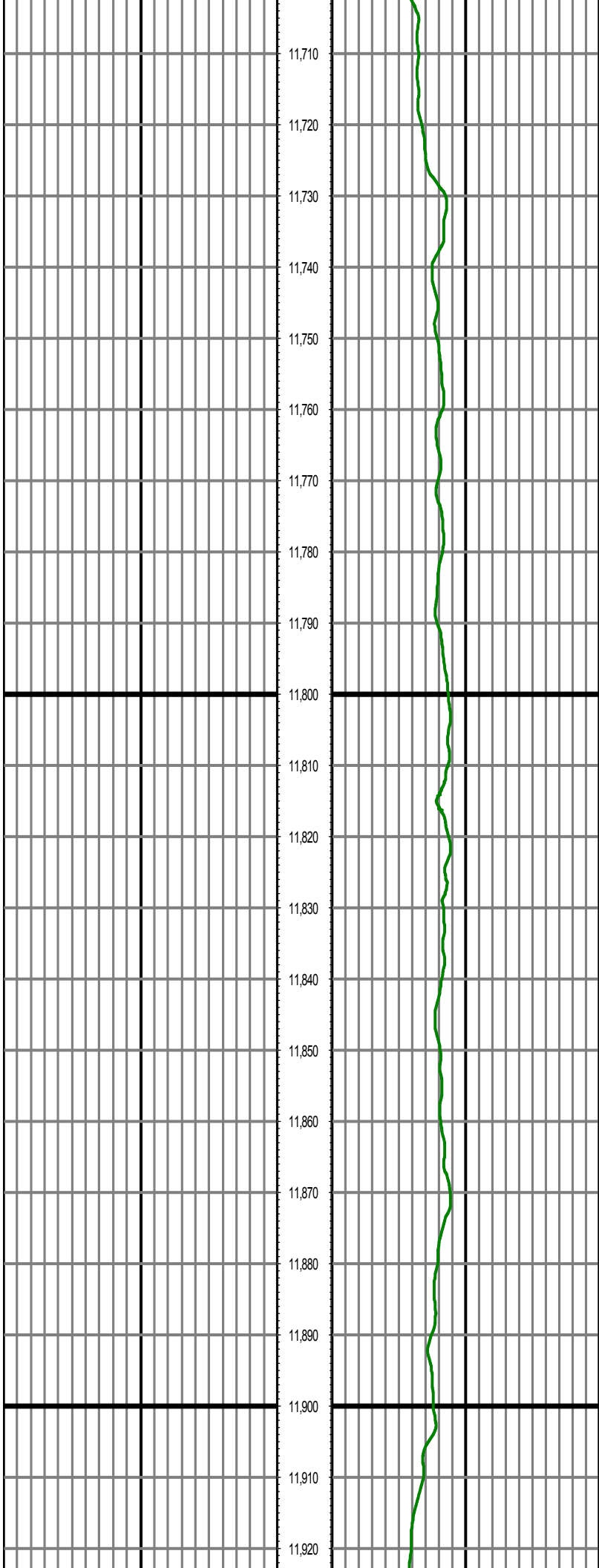


MD: 11427.00 INC: 89.12 AZ: 269.16 TVD: 7358.56 VS: 4284.69



MD: 11521.00 INC: 90.11 AZ: 268.59 TVD: 7359.19 VS: 437

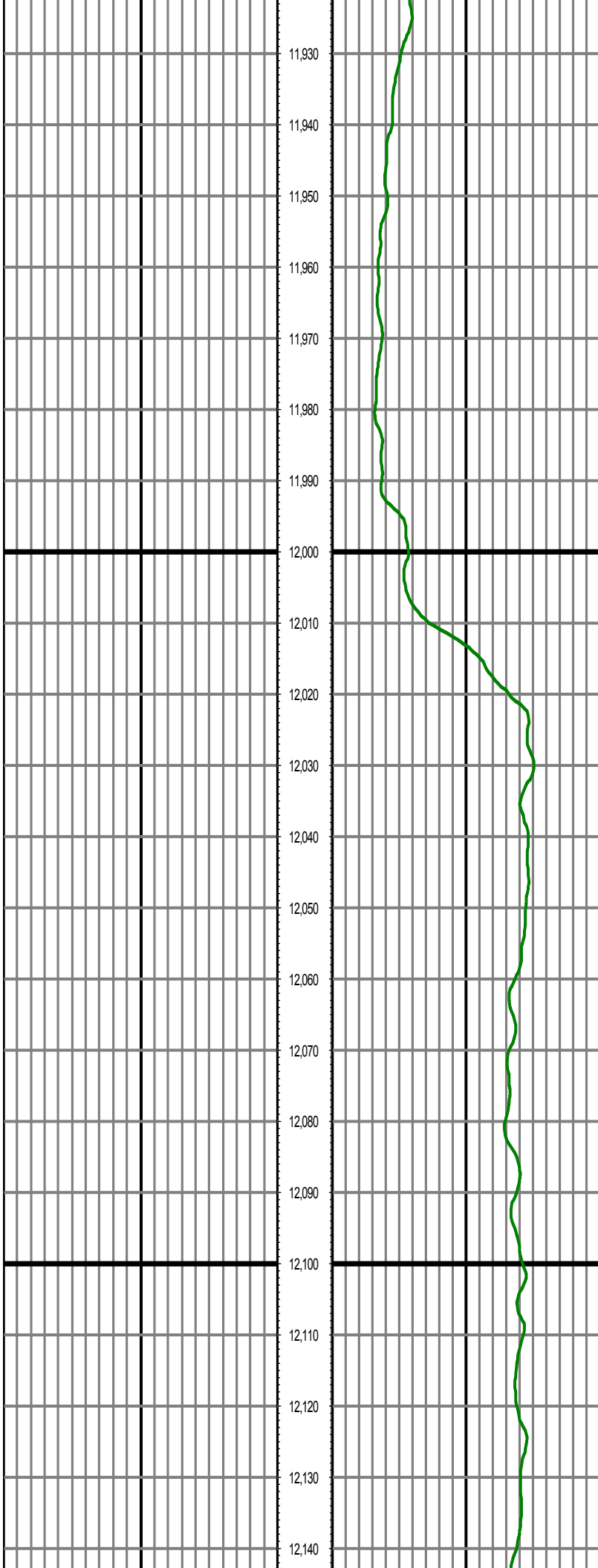
MD: 11616.00 INC: 91.55 AZ: 268.44 TVD: 7357.81 VS: 4473.67



MD: 11710.00 INC: 90.25 AZ: 268.68 TVD: 7356.34 VS: 456

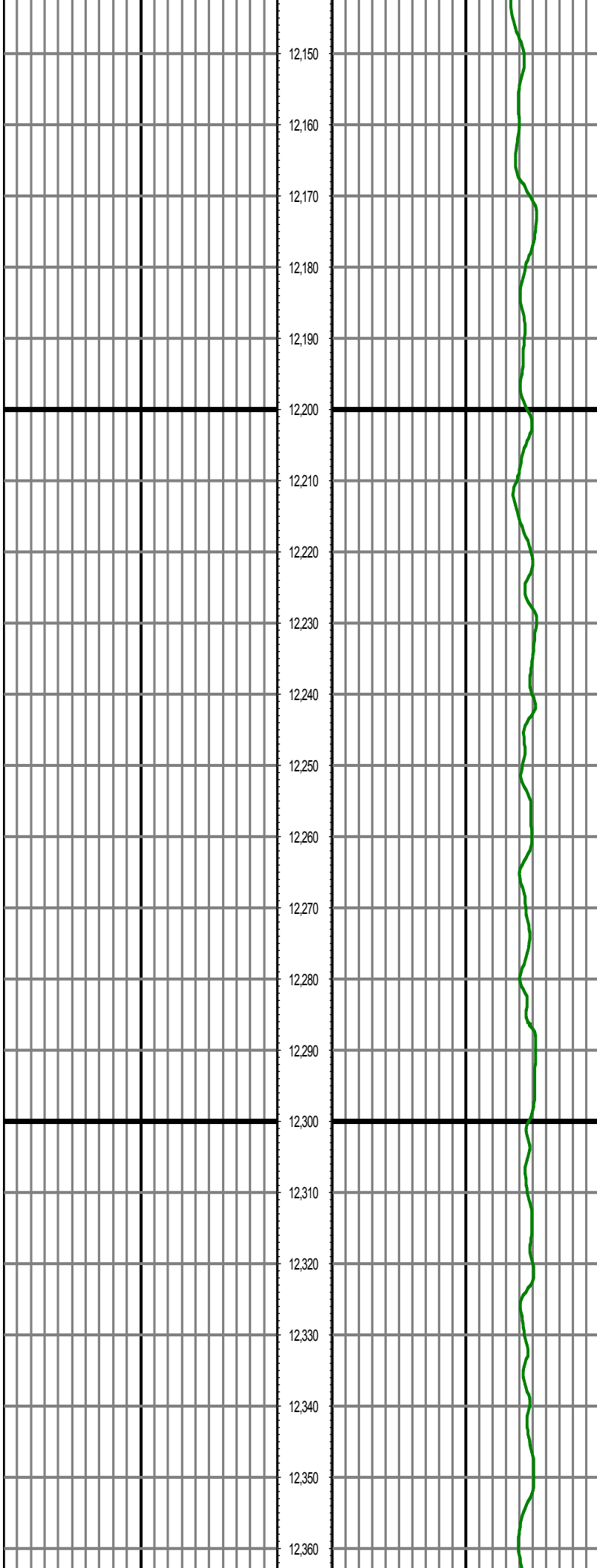
MD: 11805.00 INC: 90.78 AZ: 269.50 TVD: 7355.48 VS: 4662.65

MD: 11901.00 INC: 91.08 AZ: 270.11 TVD: 7353.92 VS: 4758.63



MD: 11995.00 INC: 89.11 AZ: 271.48 TVD: 7353.77 VS: 485

MD: 12091.00 INC: 88.38 AZ: 270.94 TVD: 7355.87 VS: 4948.50



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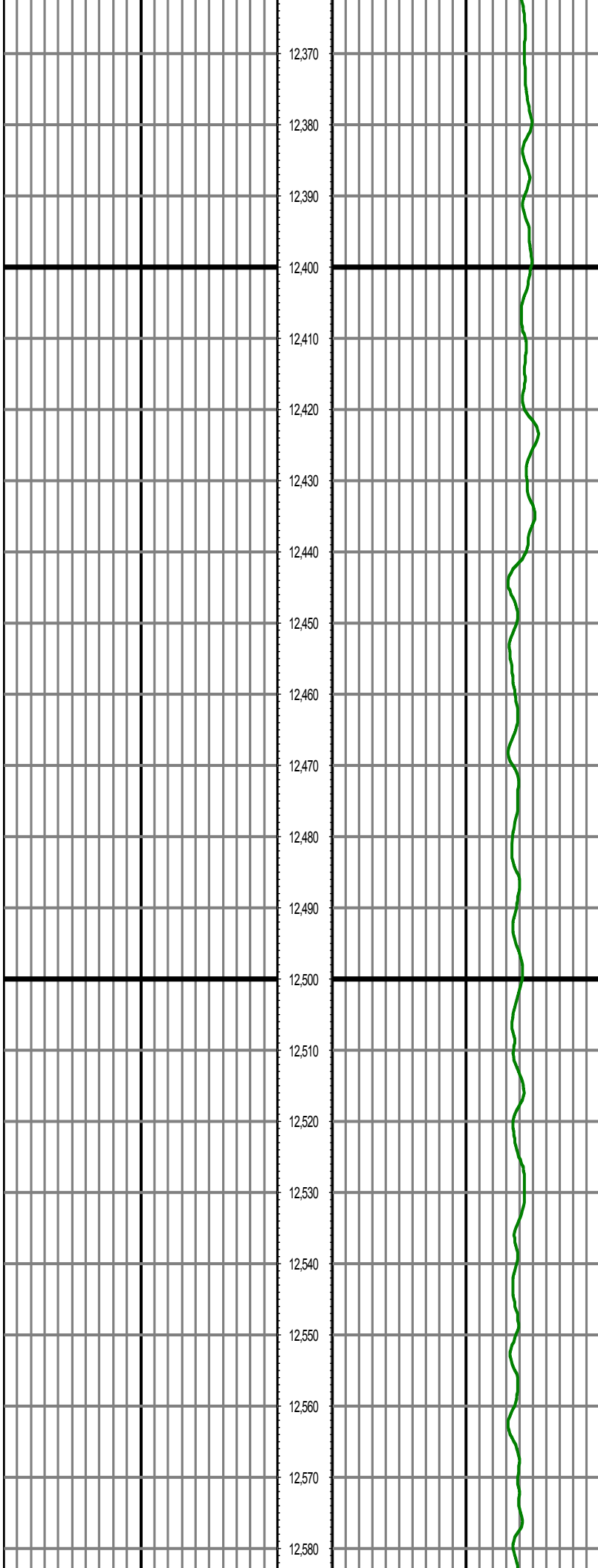
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MD: 12186.00 INC: 90.02 AZ: 270.94 TVD: 7357.20 VS: 504

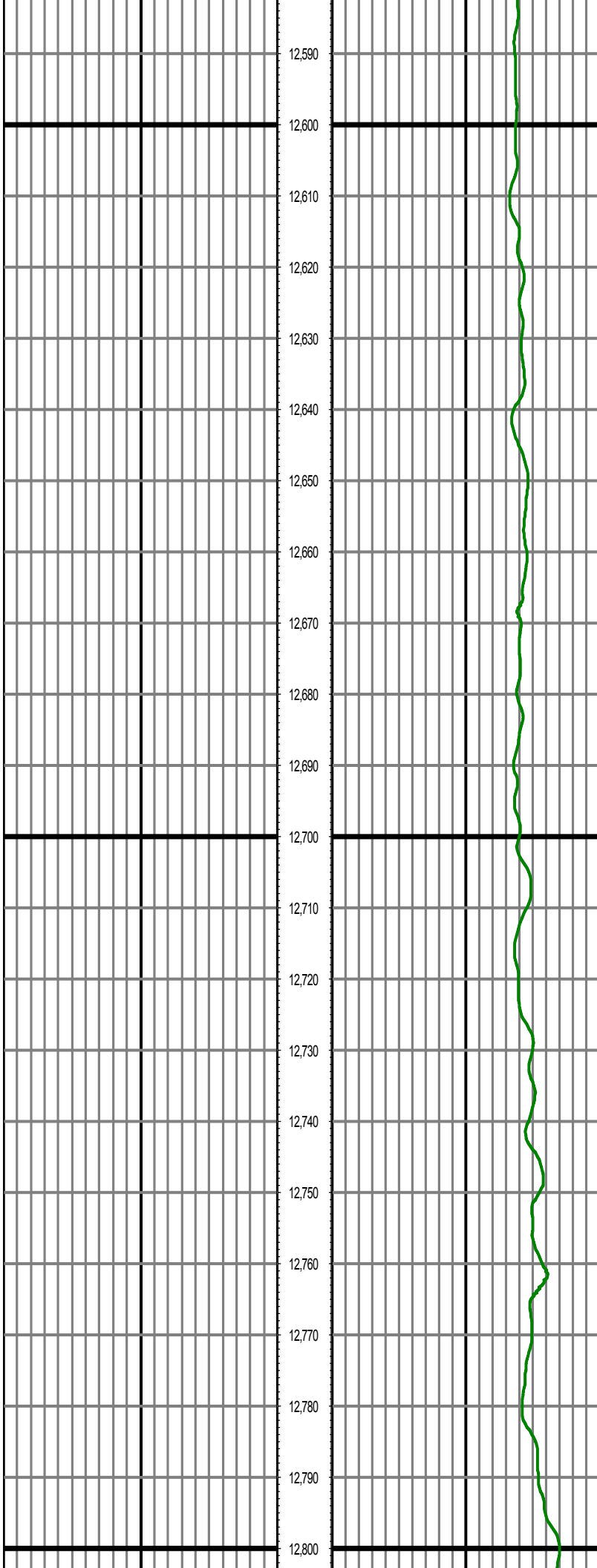
MD: 12281.00 INC: 89.80 AZ: 270.56 TVD: 7357.35 VS: 5138.40



MD: 12376.00 INC: 91.12 AZ: 270.13 TVD: 7356.58 VS: 523.34

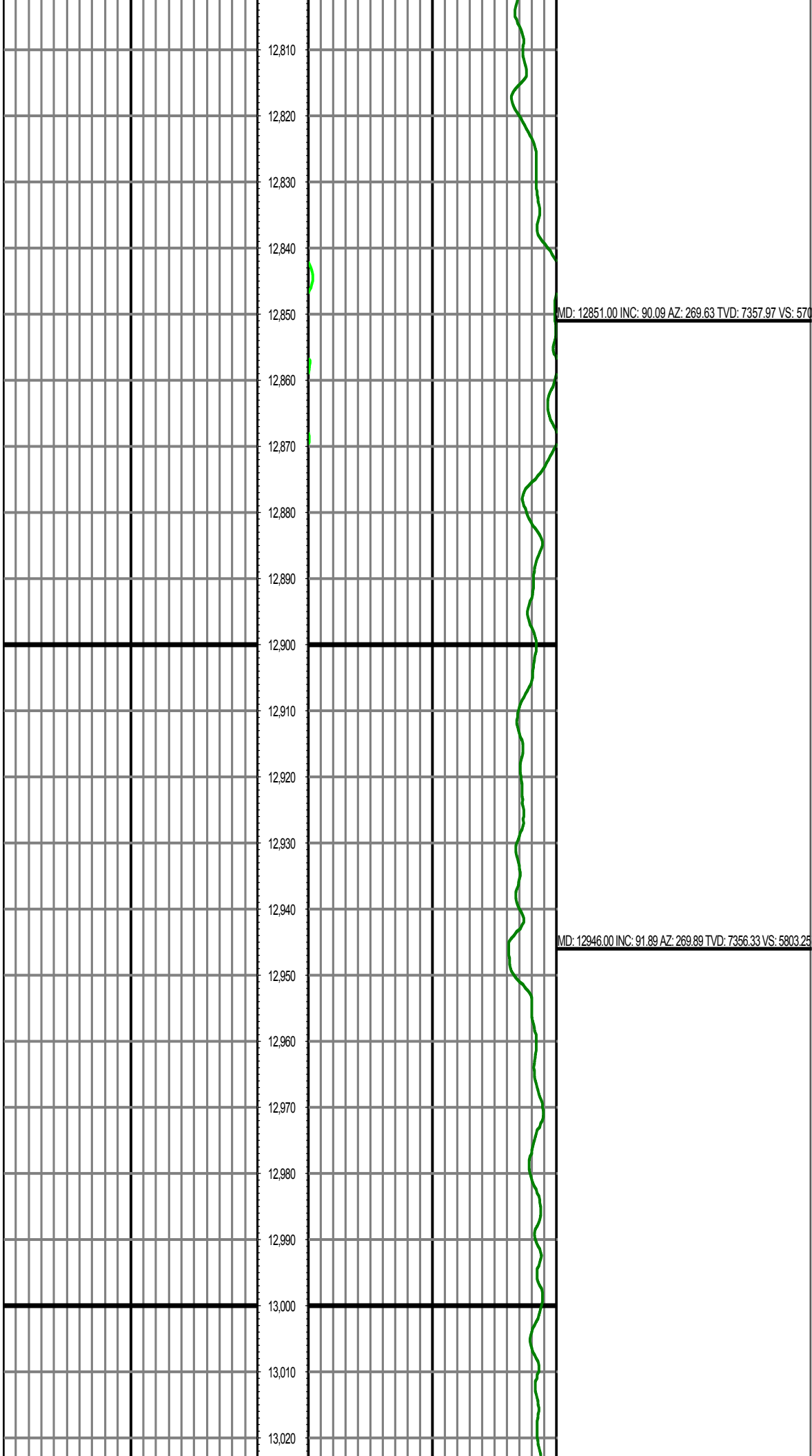
MD: 12471.00 INC: 90.04 AZ: 270.85 TVD: 7355.62 VS: 5328.34

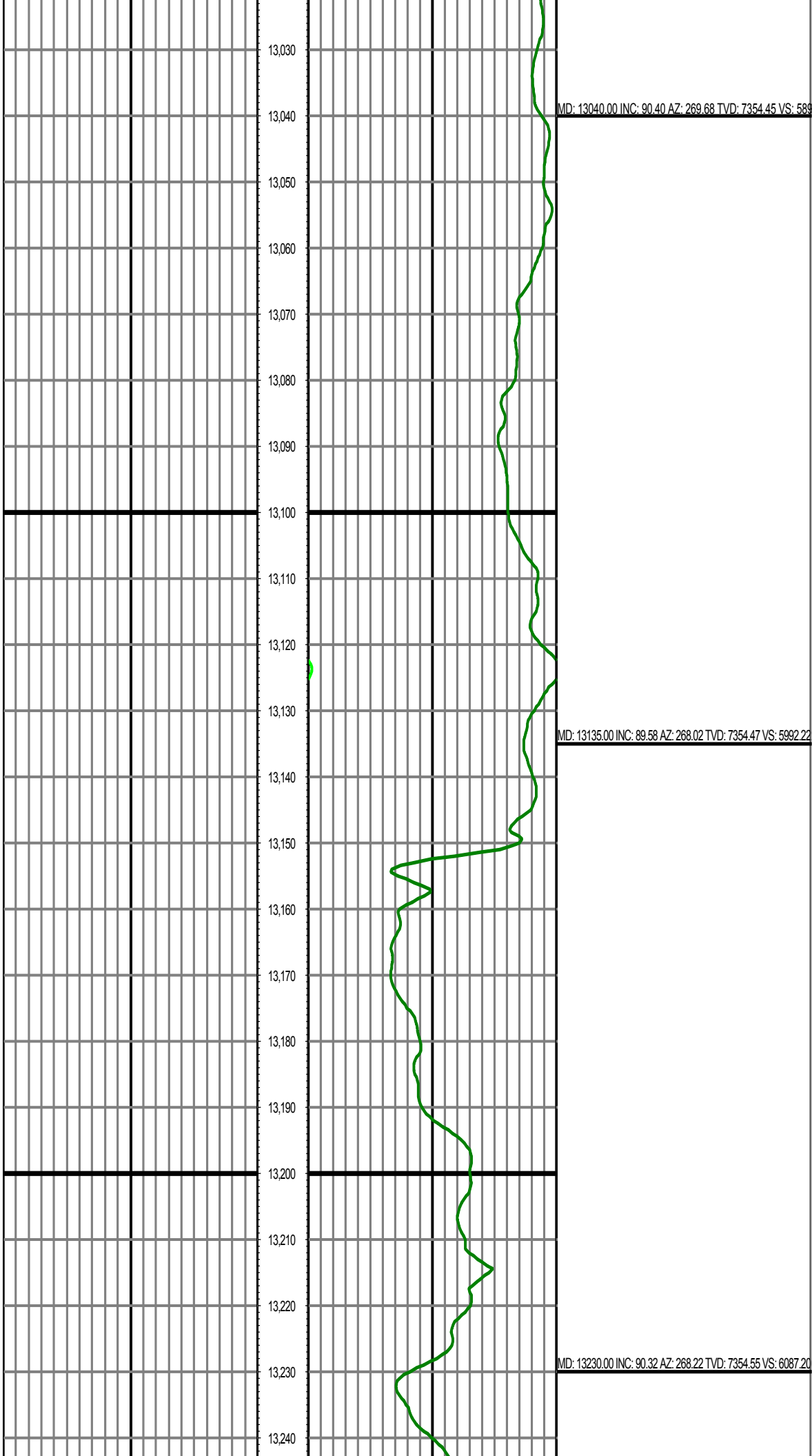
MD: 12566.00 INC: 88.94 AZ: 270.17 TVD: 7356.47 VS: 5423.31

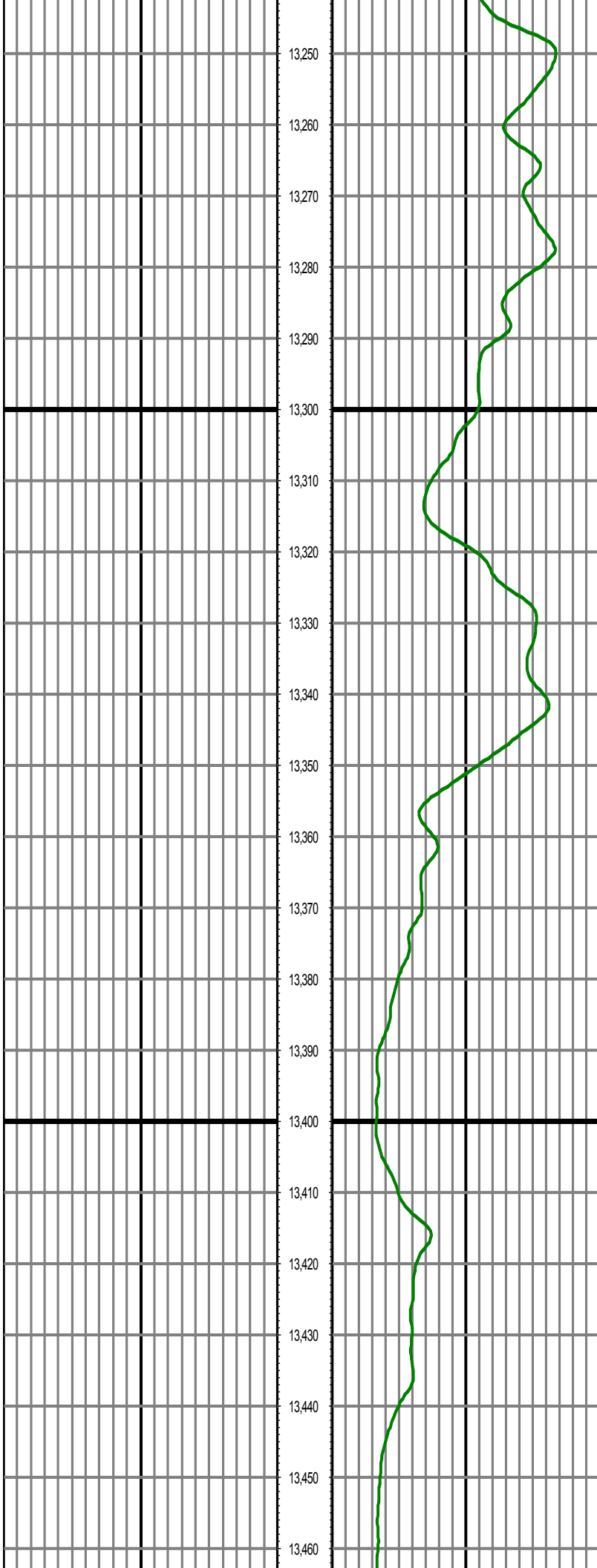


MD: 12661.00 INC: 90.55 AZ: 269.82 TVD: 7356.89 VS: 551

MD: 12756.00 INC: 89.03 AZ: 269.77 TVD: 7357.24 VS: 5613.28

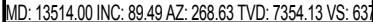




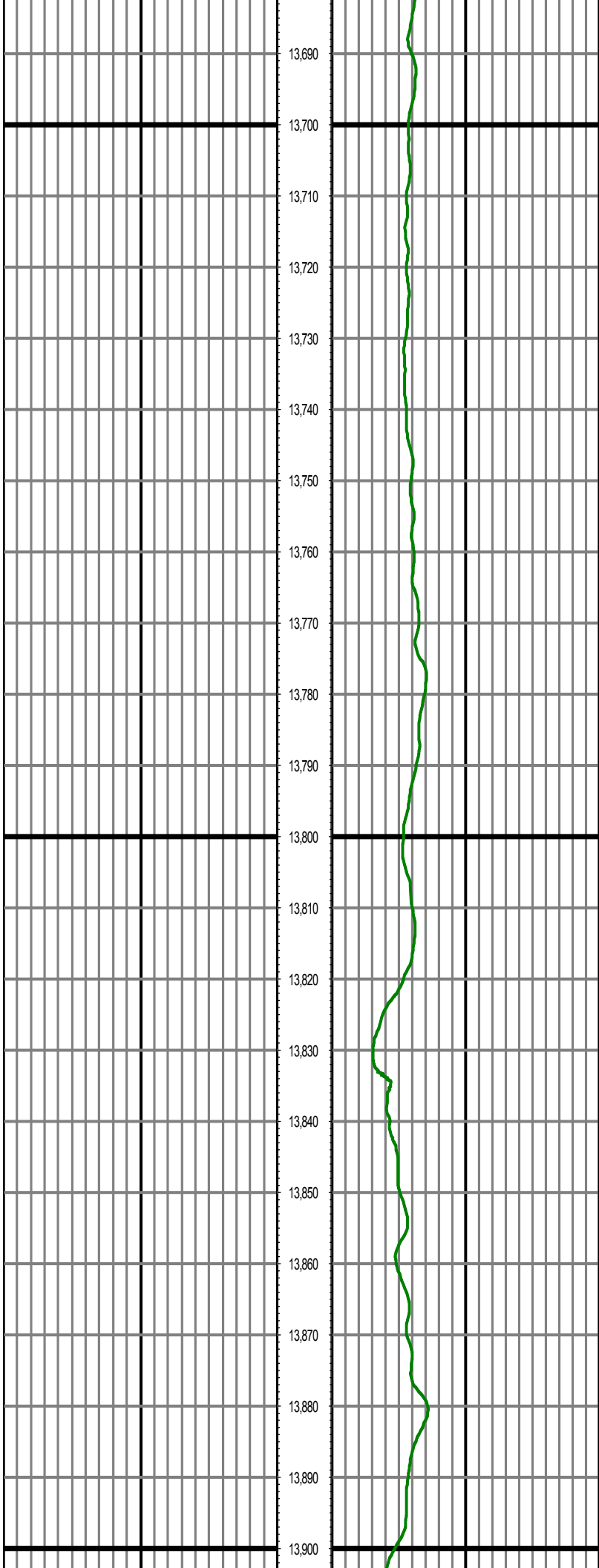


MD: 13325.00 INC: 89.61 AZ: 267.44 TVD: 7354.61 VS: 618

MD: 13420.00 INC: 90.74 AZ: 266.52 TVD: 7354.32 VS: 6277.11



MD: 13608.00 INC: 89.98 AZ: 267.25 TVD: 7354.56 VS: 6465.04



MD: 13701.00 INC: 90.32 AZ: 270.12 TVD: 7354.32 VS: 655

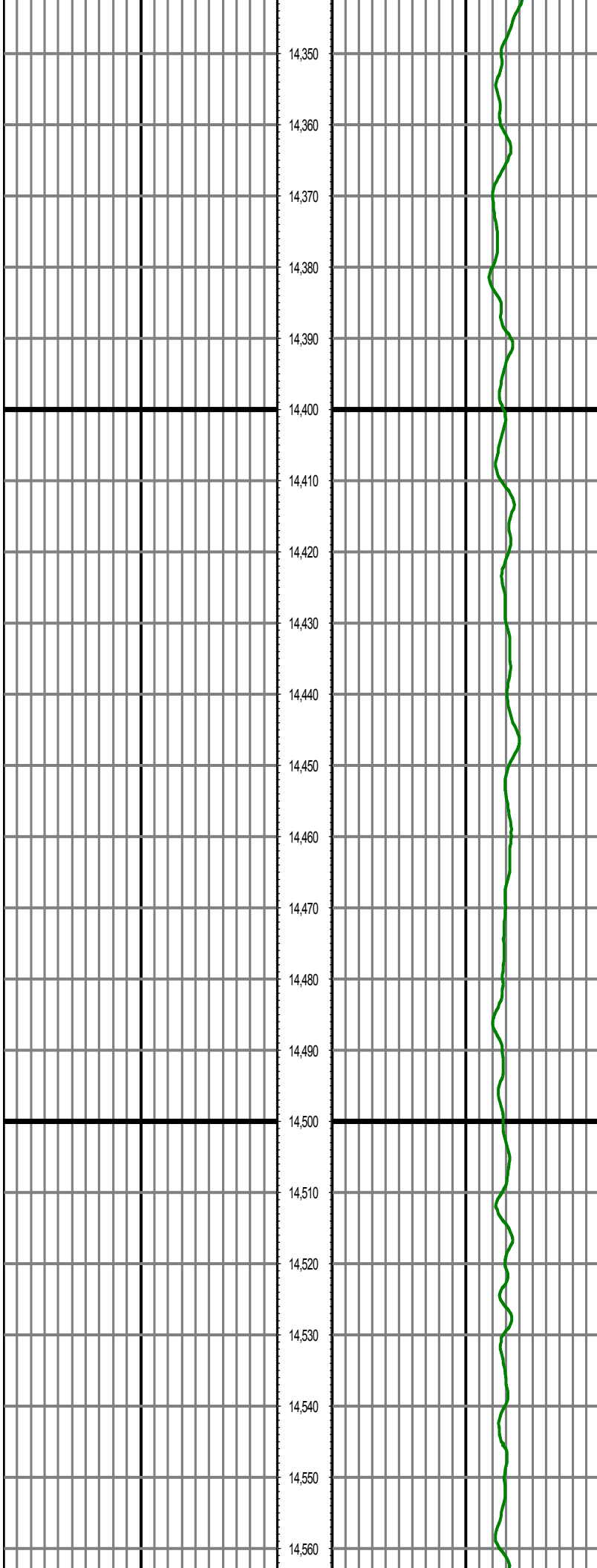
MD: 13796.00 INC: 88.49 AZ: 270.30 TVD: 7355.31 VS: 6653.00

MD: 13890.00 INC: 88.98 AZ: 270.42 TVD: 7357.38 VS: 6746.96



MD: 13983.00 INC: 88.34 AZ: 269.34 TVD: 7359.56 VS: 683

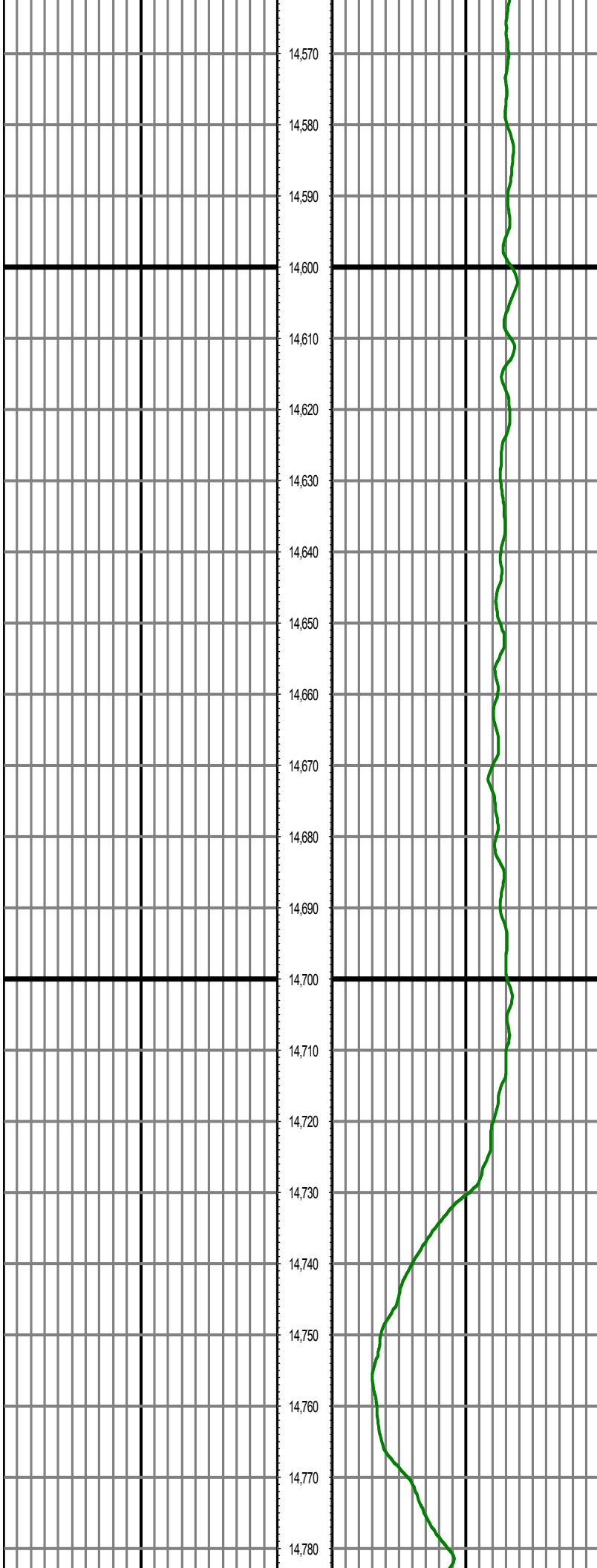
MD: 14075.00 INC: 88.57 AZ: 268.56 TVD: 7362.04 VS: 6931.89



MD: 14350.00 INC: 88.99 AZ: 262.29 TVD: 7363.64 VS: 7397.20

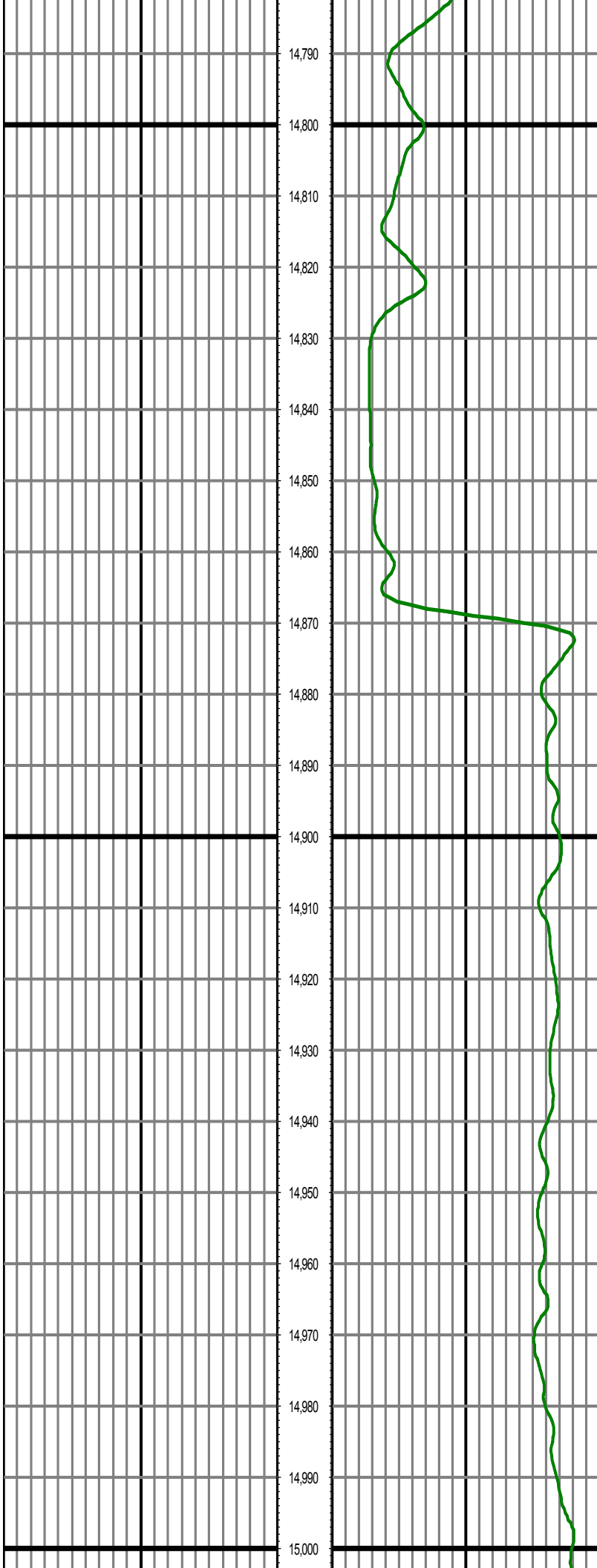
MD: 14447.00 INC: 88.05 AZ: 266.12 TVD: 7366.46 VS: 7303.65

MD: 14541.00 INC: 85.58 AZ: 267.07 TVD: 7371.68 VS: 7397.41



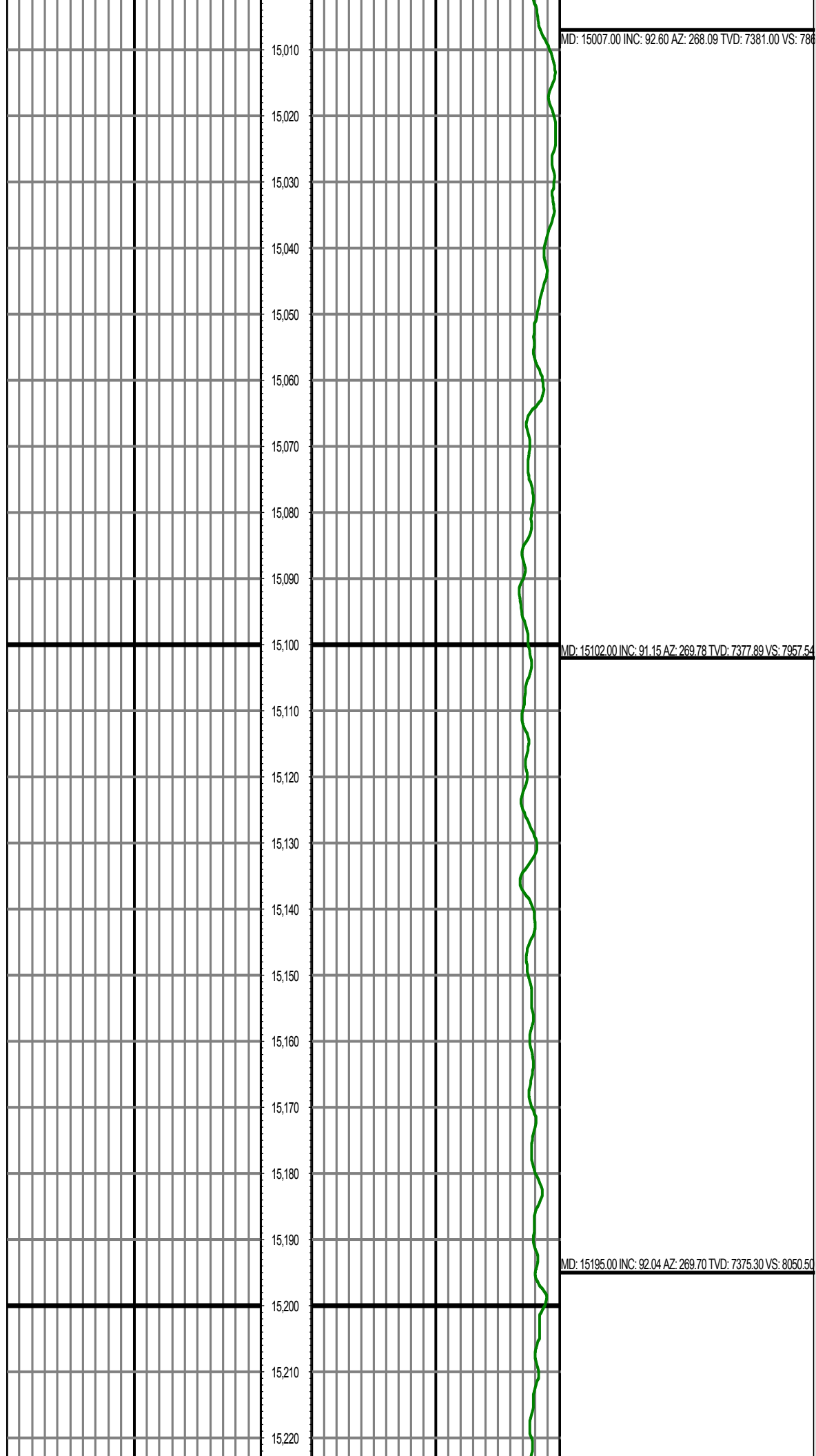
MD: 14633.00 INC: 85.67 AZ: 266.55 TVD: 7378.70 VS: 748

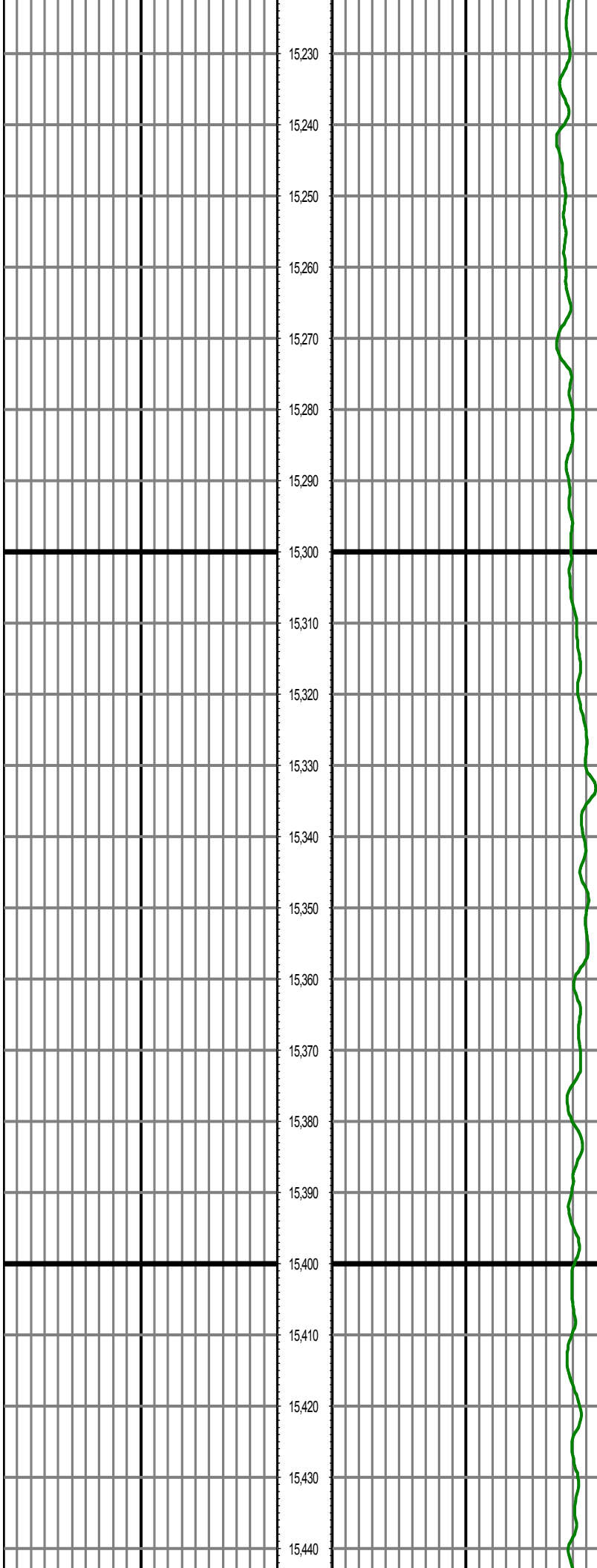
MD: 14726.00 INC: 87.60 AZ: 266.24 TVD: 7384.16 VS: 7581.79



MD: 14820.00 INC: 90.45 AZ: 267.96 TVD: 7385.75 VS: 767

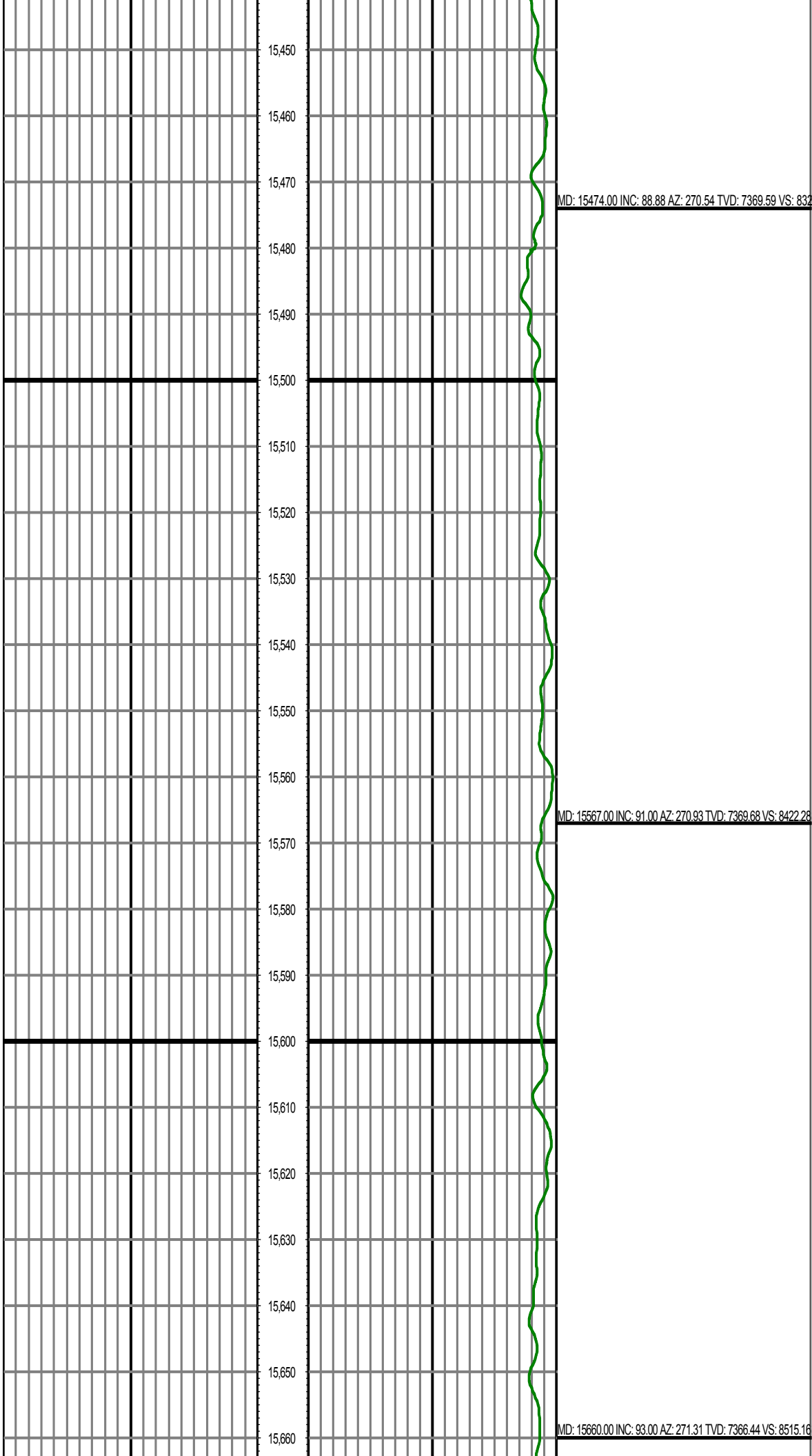
MD: 14912.00 INC: 91.37 AZ: 268.29 TVD: 7384.29 VS: 7767.67

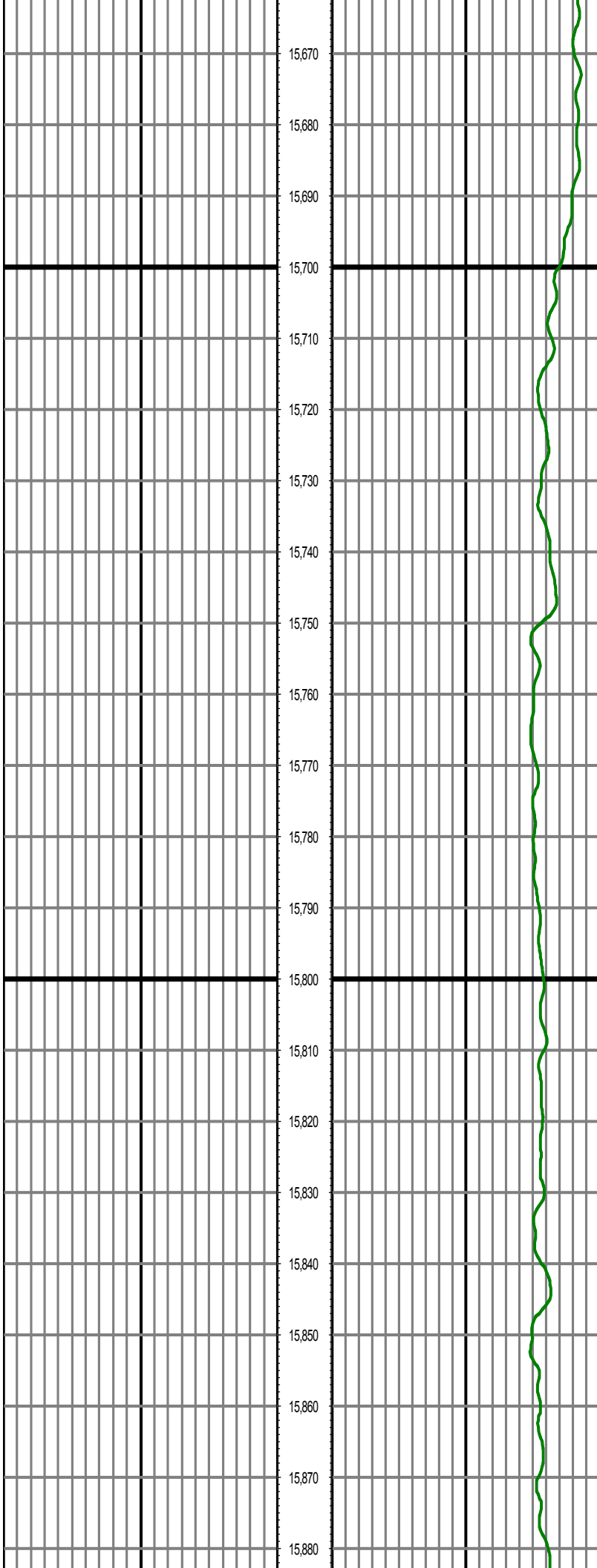




MD: 15288.00 INC: 92.14 AZ: 270.44 TVD: 7371.91 VS: 814

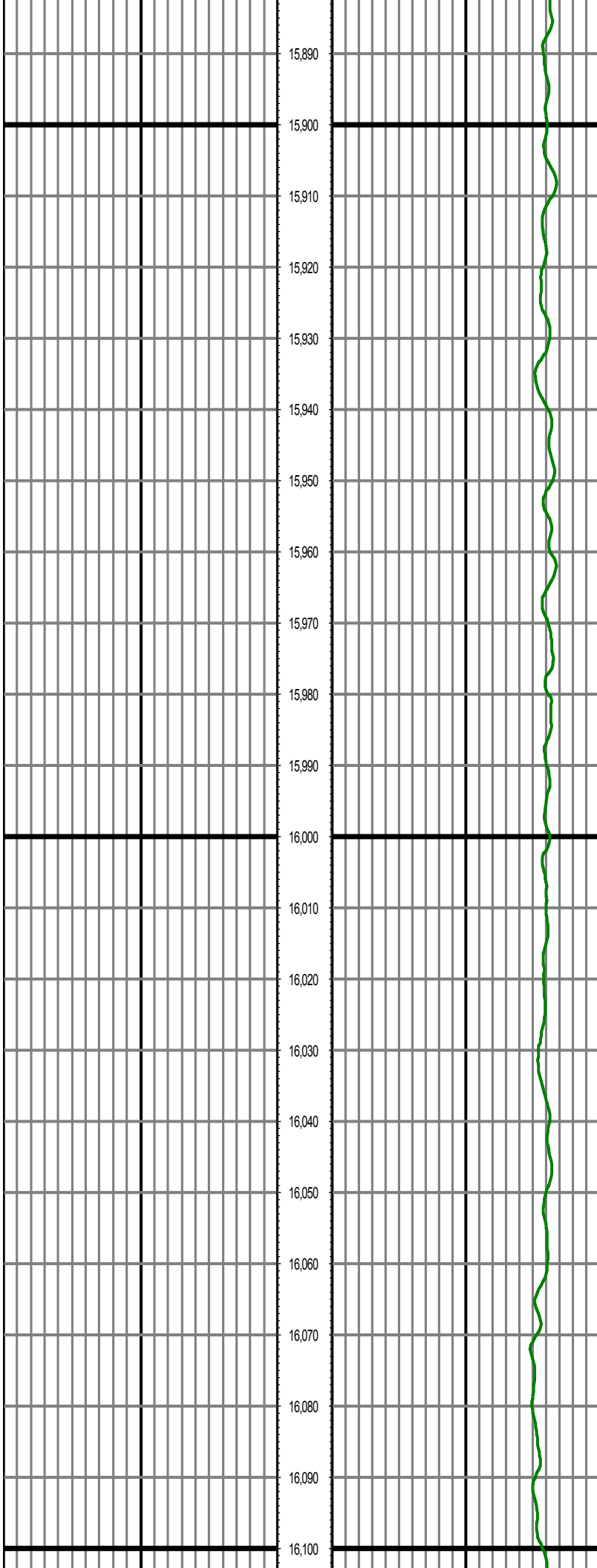
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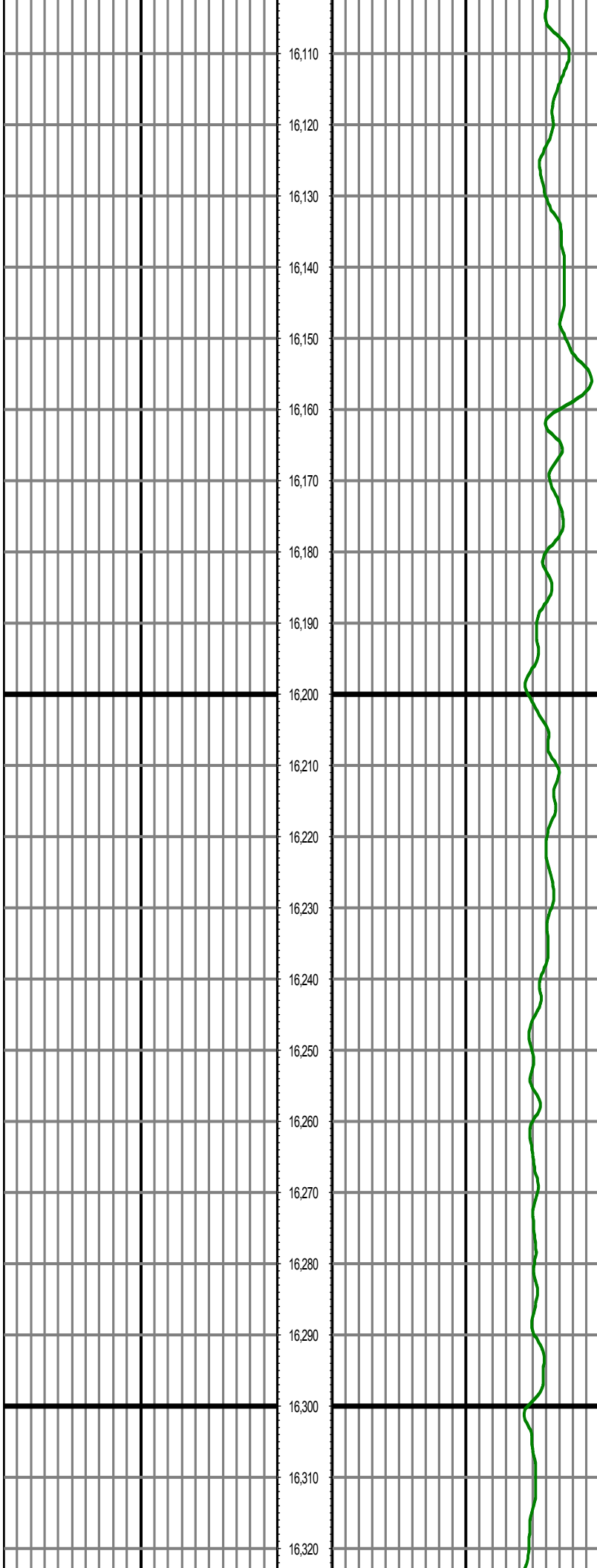
MD: 15754.00 INC: 91.09 AZ: 270.37 TVD: 7363.08 VS: 860

MD: 15848.00 INC: 88.69 AZ: 269.13 TVD: 7363.27 VS: 8703.04



MD: 15942.00 INC: 90.49 AZ: 268.97 TVD: 7363.94 VS: 879

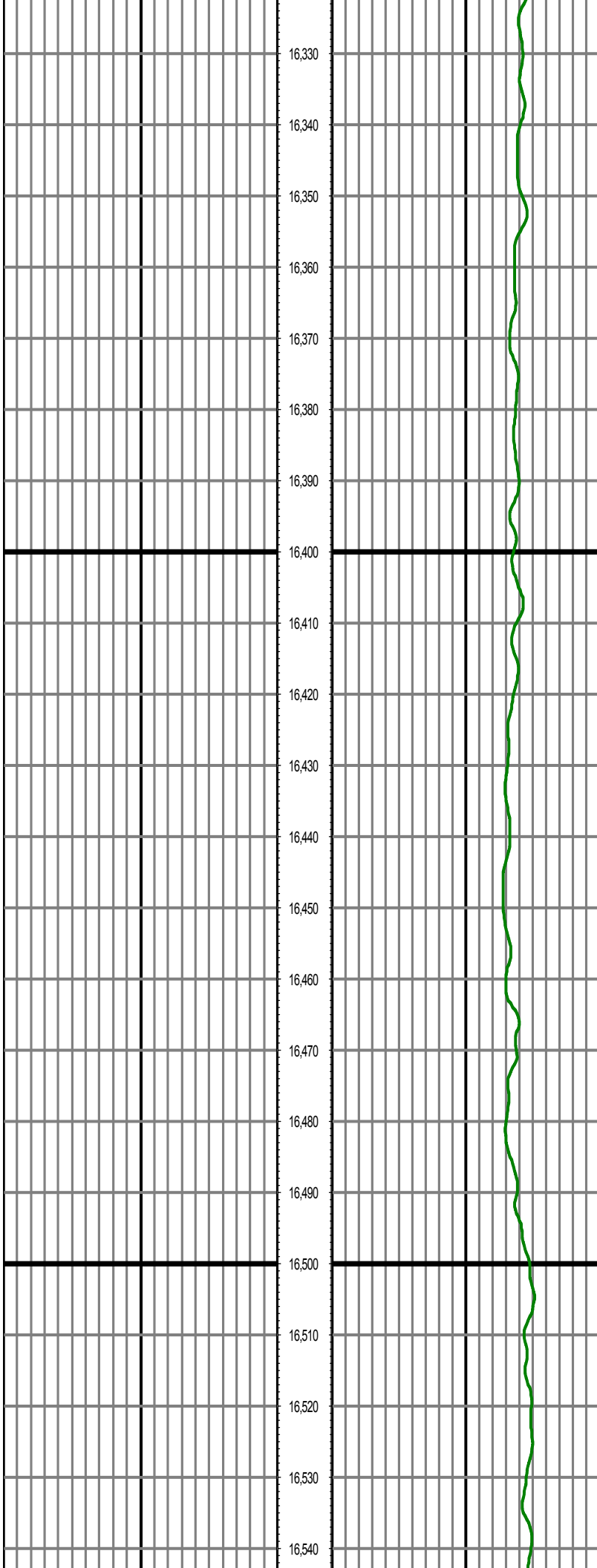
MD: 16035.00 INC: 92.17 AZ: 269.51 TVD: 7361.78 VS: 8890.01



MD: 16130.00 INC: 93.64 AZ: 269.09 TVD: 7356.96 VS: 898

MD: 16225.00 INC: 91.49 AZ: 269.41 TVD: 7352.71 VS: 9079.78

MD: 16320.00 INC: 93.18 AZ: 269.25 TVD: 7348.84 VS: 9174.70



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MD: 16413.00 INC: 92.35 AZ: 269.32 TVD: 7344.36 VS: 926

MD: 16508.00 INC: 93.40 AZ: 268.65 TVD: 7339.60 VS: 9362.47

