

**Premier Directional Drilling**

12941 North Freeway  
# 400  
Houston, TX 77060  
281-673-4000

**Powers 26N-27HZ**  
**Scale 5":100' - MD**  
**10/31/2015 11:53 AM**

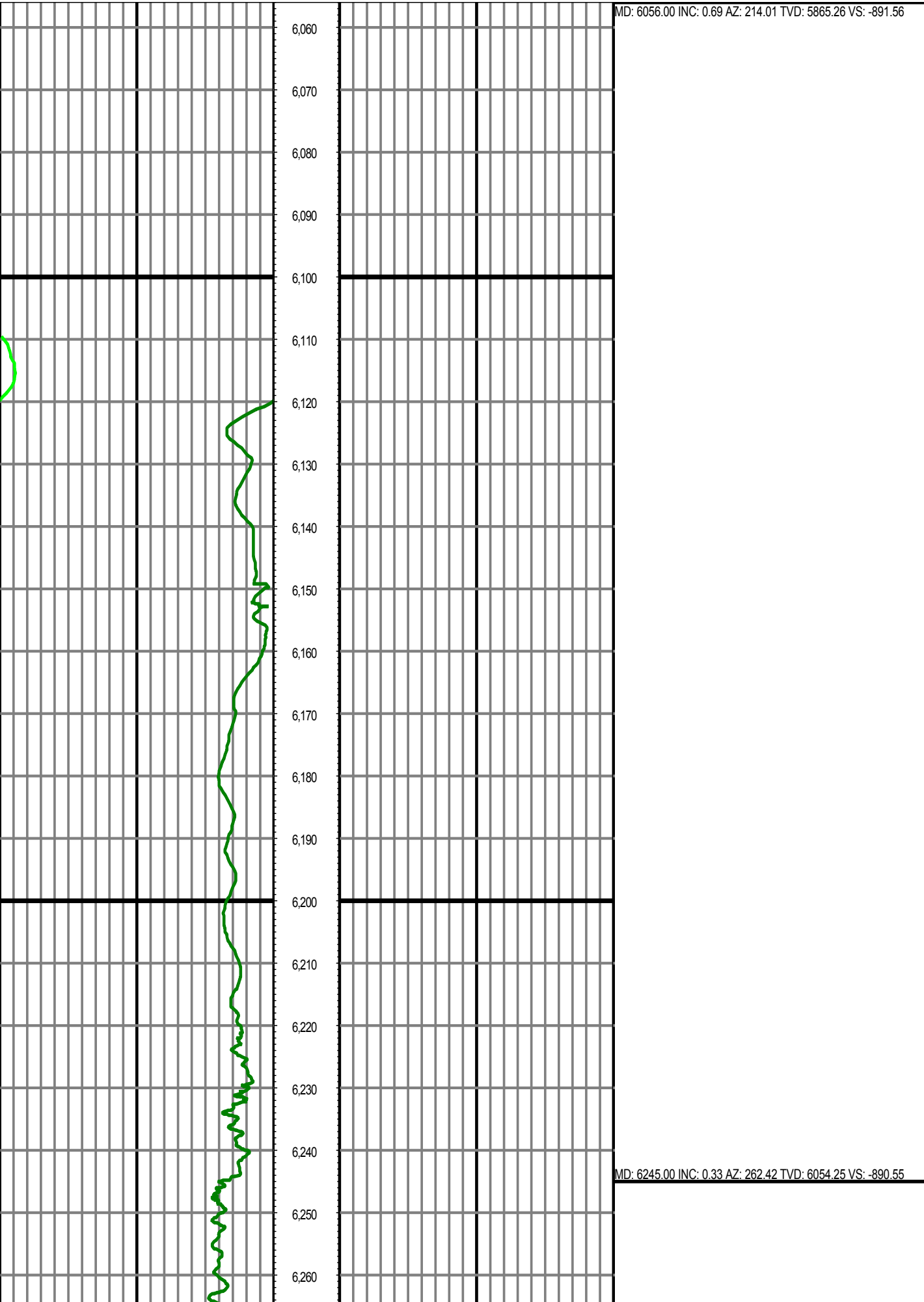
**Oper. Company:** Anadarko Petroleum Corporation**State:** Colorado**Well:** Powers 26N-27HZ**County:** Weld**Field:** Wattenberg**Country:** United States**Rig:** H&P 307**Location:** NENE Sec 22-T2N-R65W**Well ID:** 05123419560000**Start Date:** 10/27/2015 22:45:00**Job Number:** R15386**End Date:** 10/29/2015 16:15:00

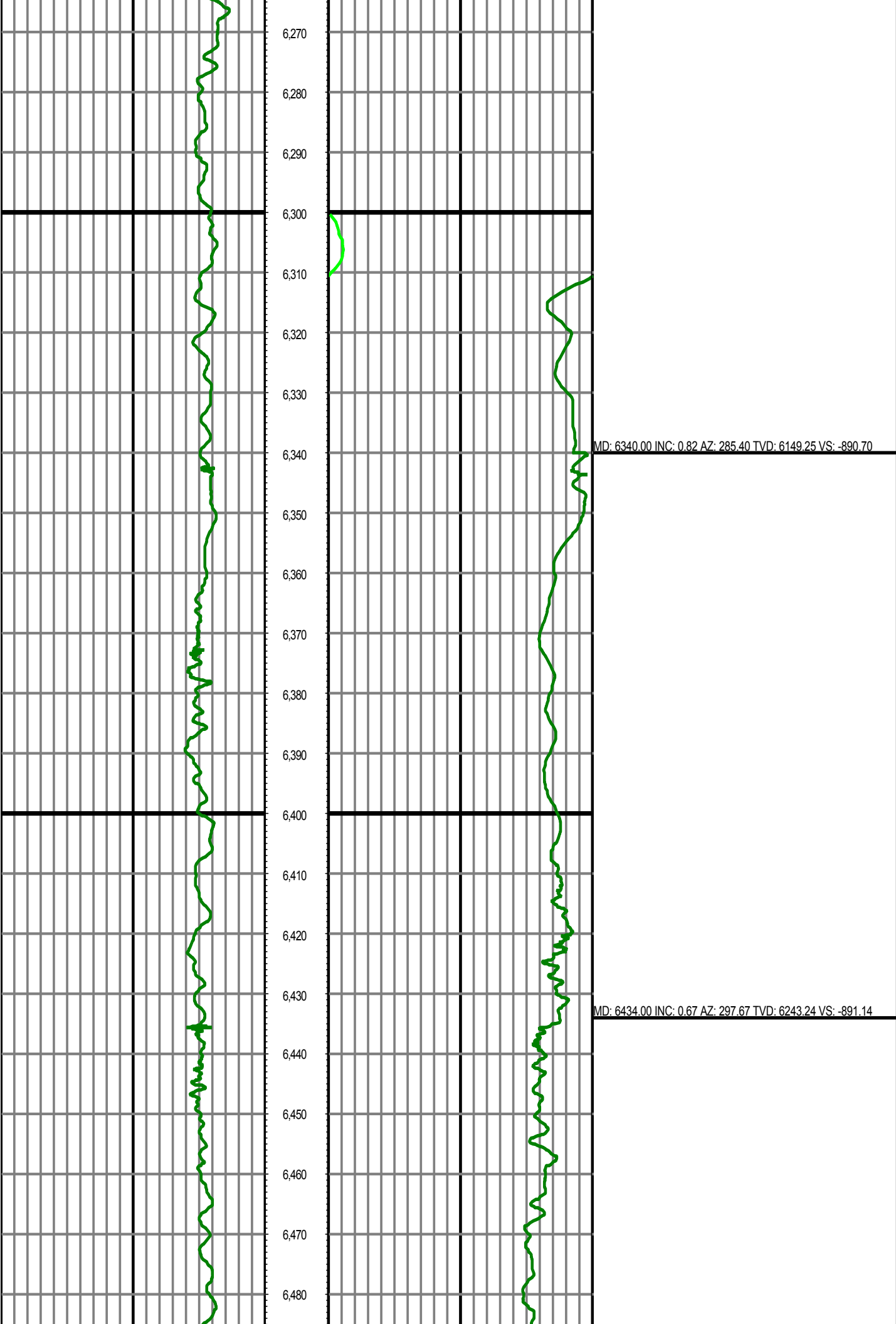
**Notes:** Recorded Mode Log  
Gamma Correction Determined by Pipe ID & OD, Mud Weight & Bit Size

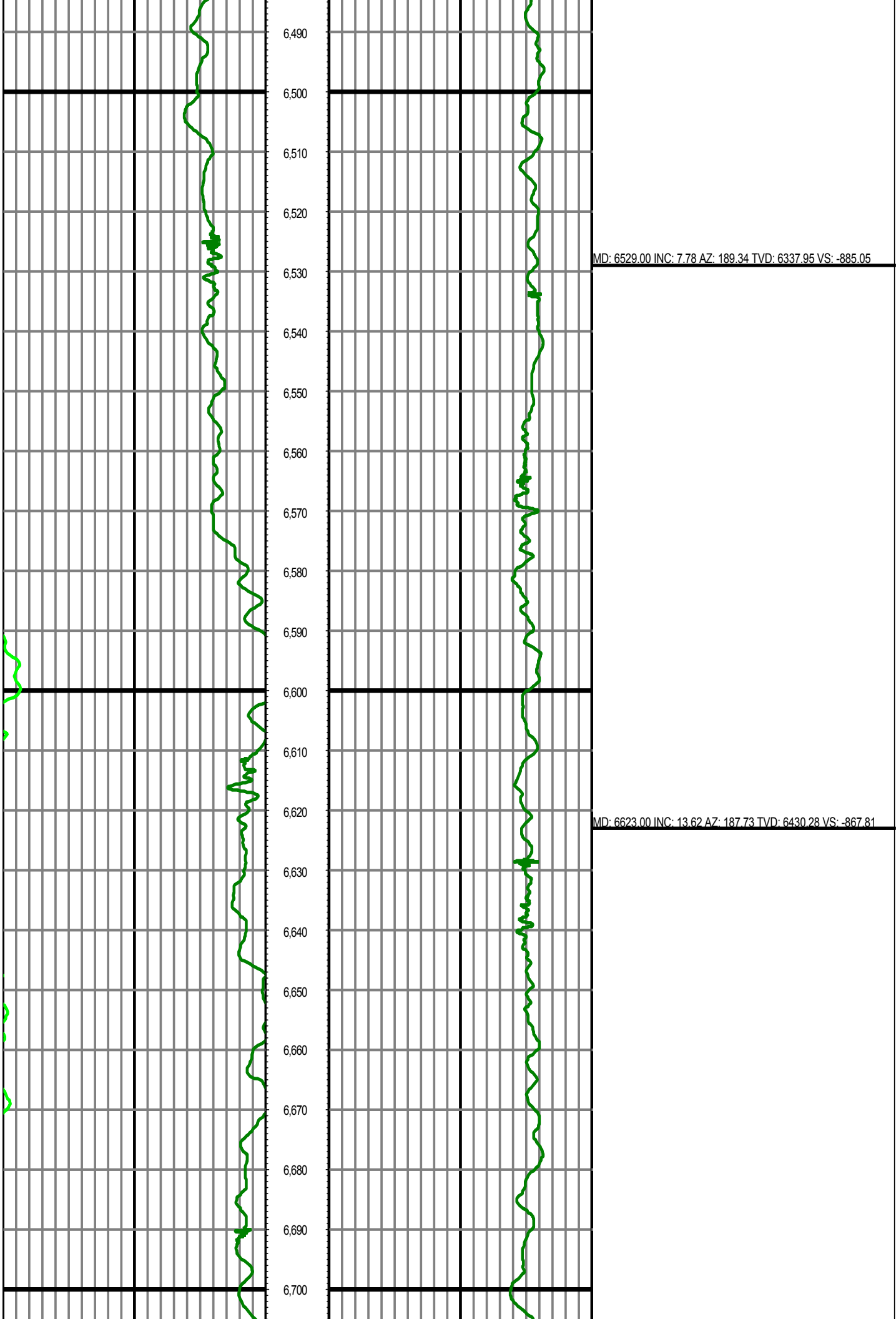
**Latitude:** 40.130530**Elev KB:** 4919'**Longitude:** -104.645509**Elev DF:** 4919'**Elev GL:** 4894'**Notes:** Datum: NAD 1983Map Zone: 13N (108 W to 102 W)Total Correction: 8.22° (Mean MagVar)Grid Convergence: 0.23°**Operator 1:** Robert Grossman**Operator 2:** Jim Thammavong**Notes:** Smoothing: 7Gap Fill: 10Survey Tool Type: Evo 1 Dual TelemetryCalculation Method Minimum Curvature

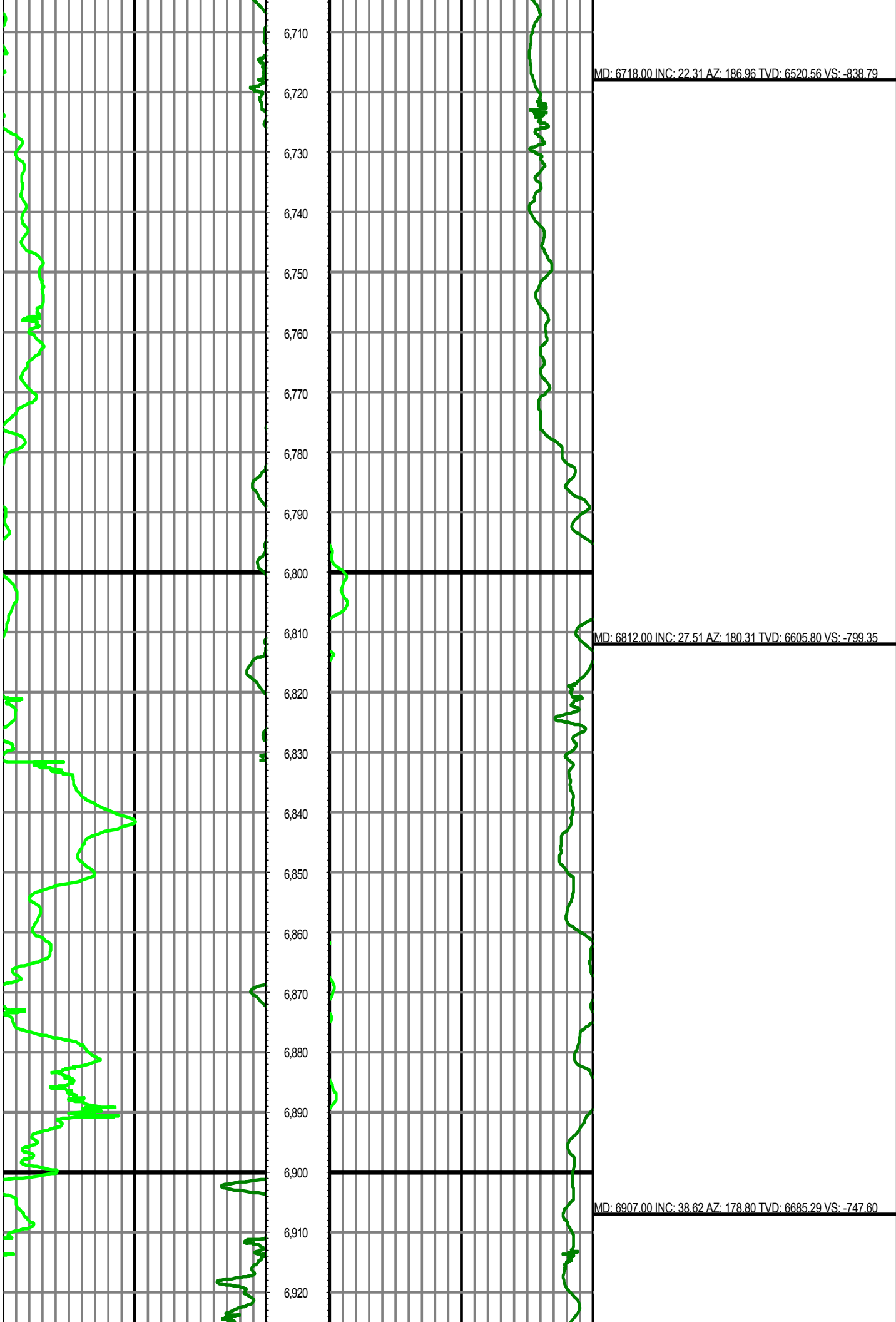
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	EGNF0064				
Bit Size	8.5				
Cal Factor	4.282				
Survey Offset:	63.00				
Gamma Offset	58.00				
Resistivity Offset	0.00				
Start Depth	1847.00				
StartDate	10/26/2015				
StartTime	22:45				
EndDepth	13081.00				
EndDate	10/29/2015				
EndTime	16:15				
Mud Type	OBM				
Mud Weight	9.55				
Funnel Viscosity	73				
Plastic Viscosity	21				
Yield Point	10				
Gel Strength	NA				
Solids Content	6.36				
Sand Content	NA				
Mud Alkalinity	NA				
Filtrate Alkalinity	NA				
Chlorides	55000				
Mud RM	NA				
Mud RMF	NA				
Mud RMC	NA				
Mud RM at BHT	NA				
Temperature	225				
Hole Data			Casing Data		
Size	From	To	Size	From	To
13.5	0.00	1906.00	9.625	0.00	1896.00
8.5	1906.00	13081.00	5.5	0.00	13081.00

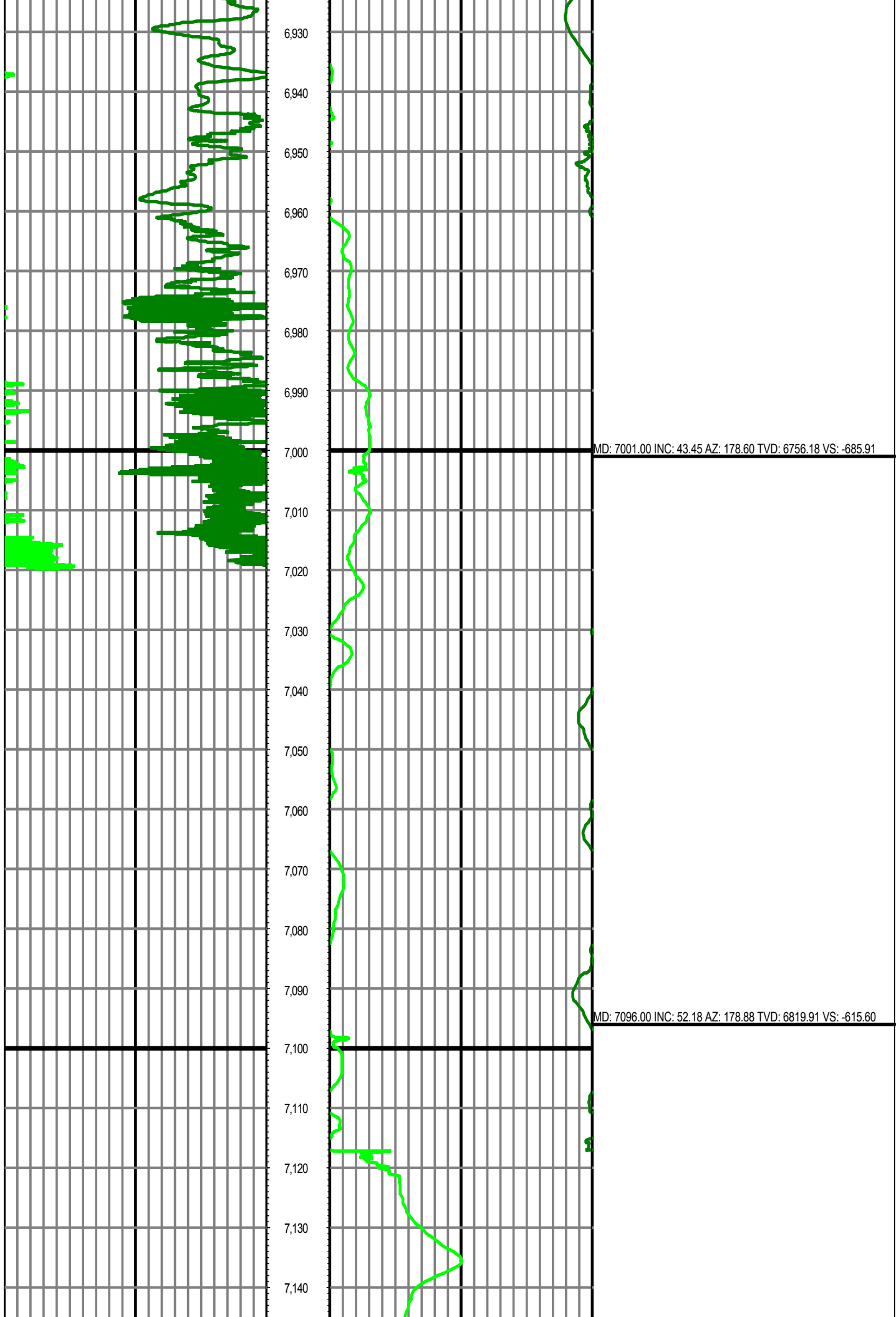
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost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

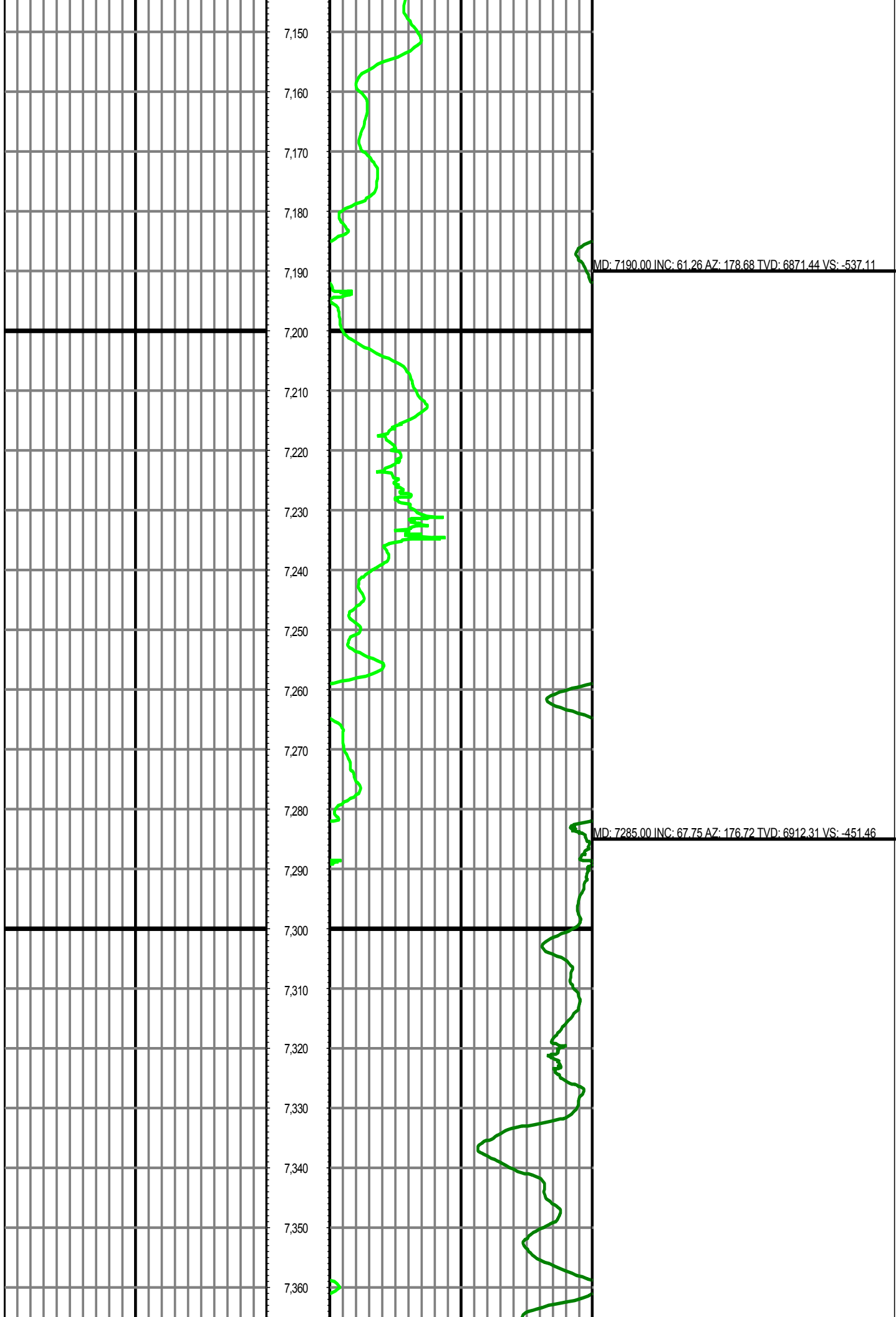


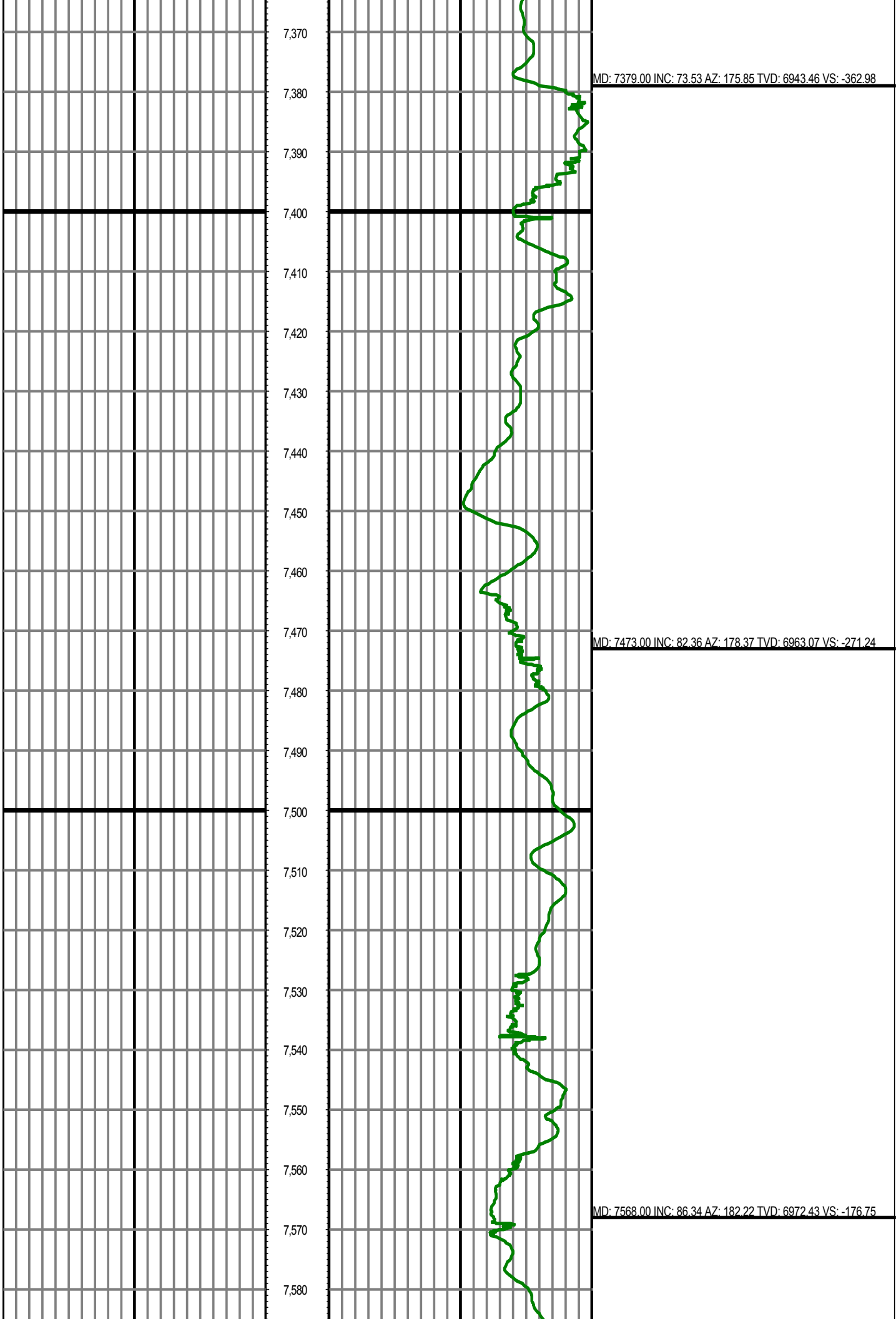




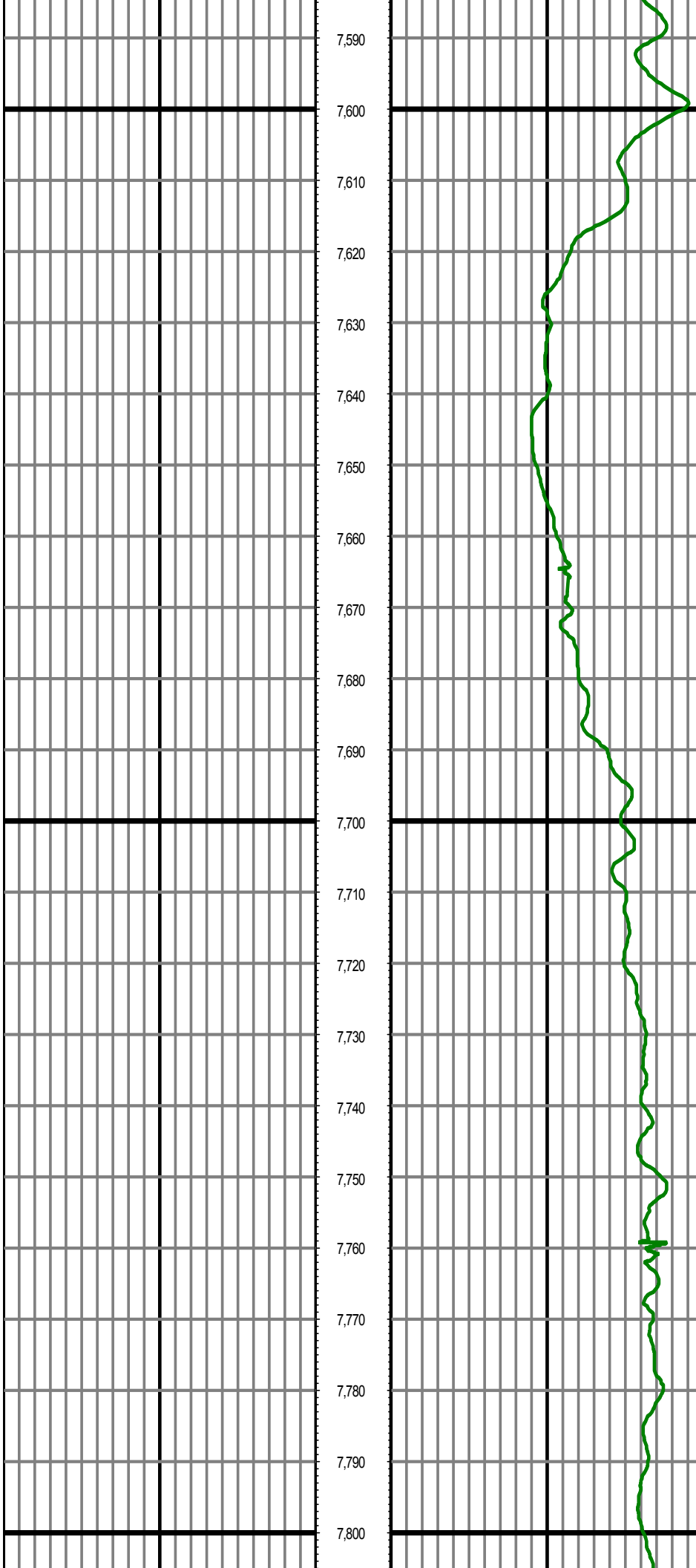






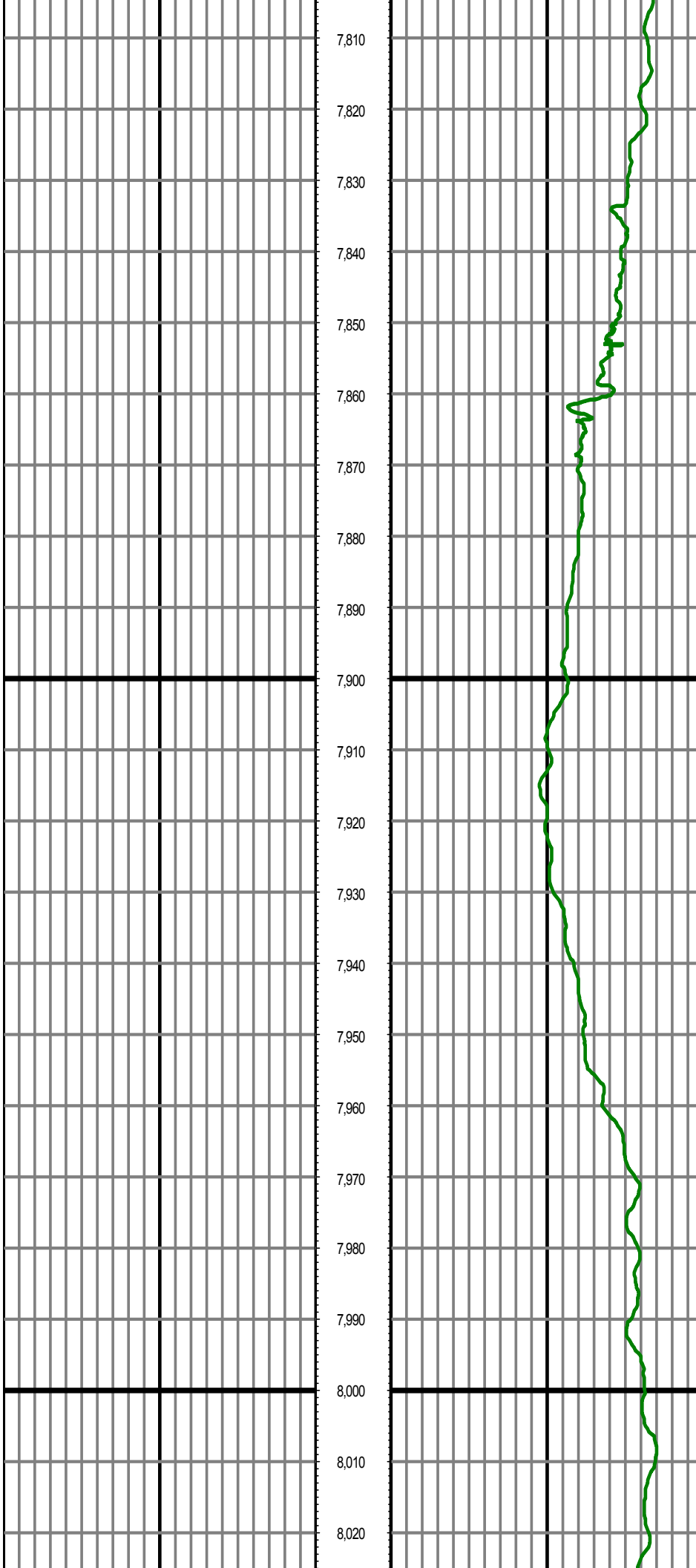






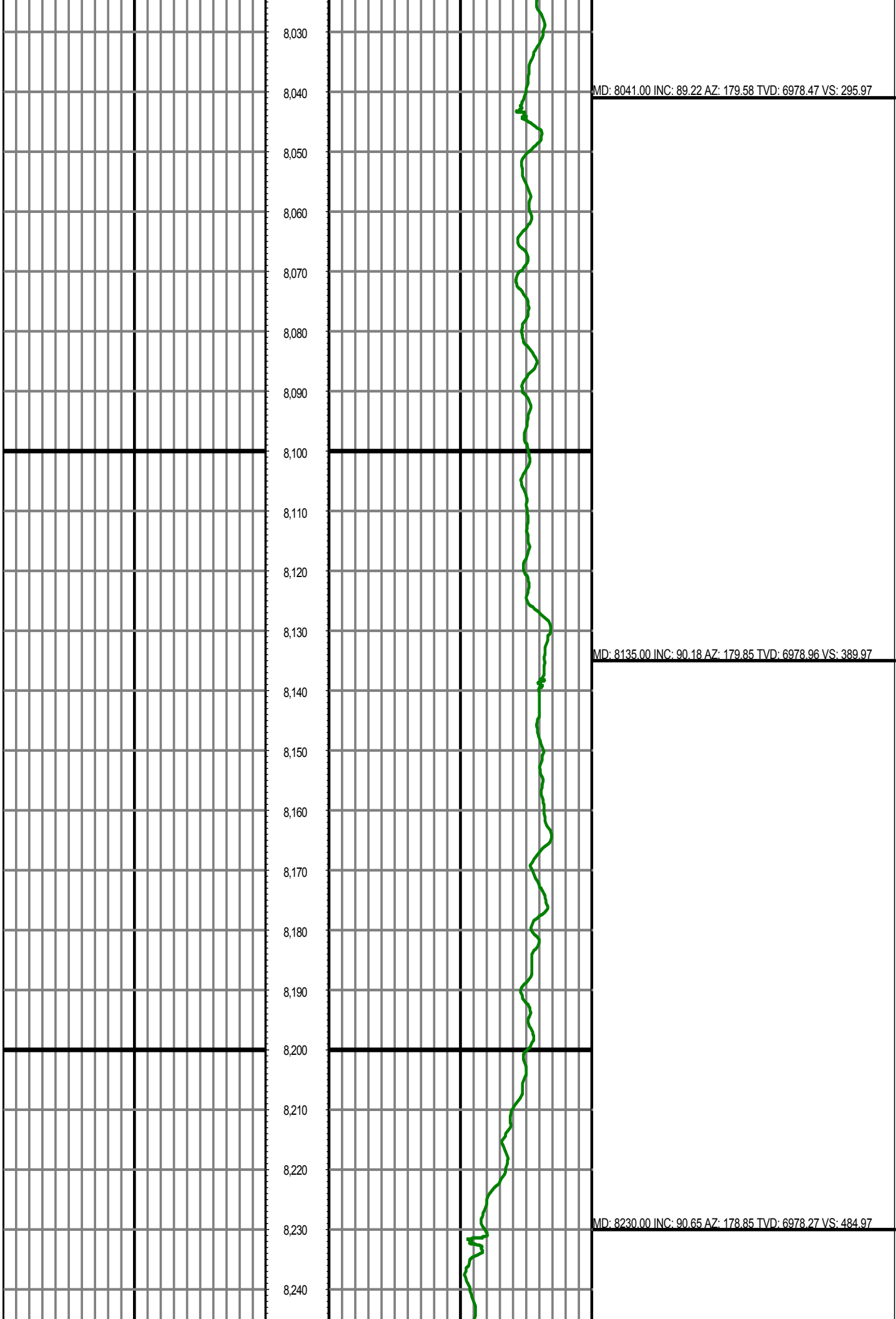
MD: 7662.00 INC: 89.65 AZ: 181.45 TVD: 6975.72 VS: -82.88

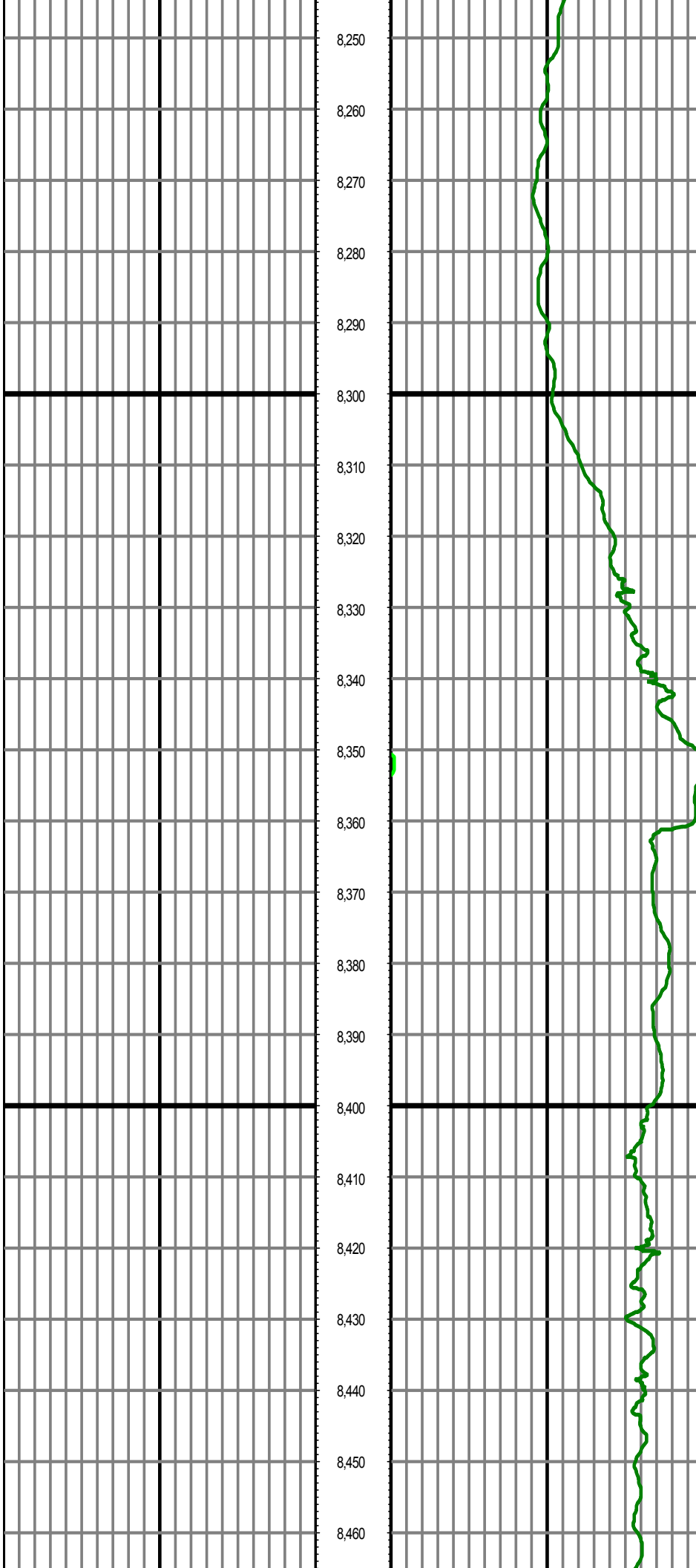
MD: 7757.00 INC: 89.65 AZ: 181.48 TVD: 6976.30 VS: 12.07



MD: 7852.00 INC: 90.45 AZ: 181.70 TVD: 6976.21 VS: 107.02

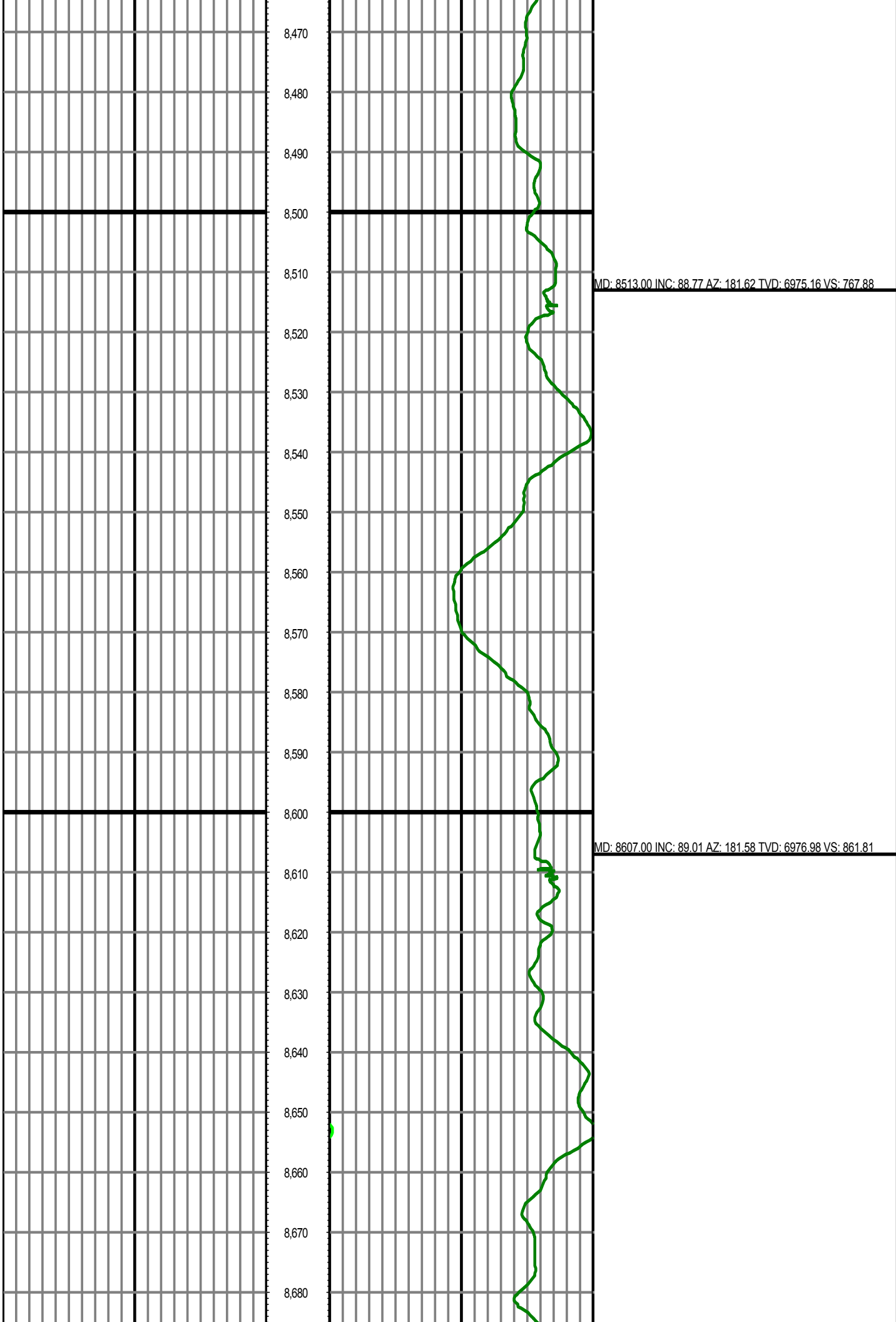
MD: 7946.00 INC: 88.80 AZ: 180.16 TVD: 6976.83 VS: 200.99

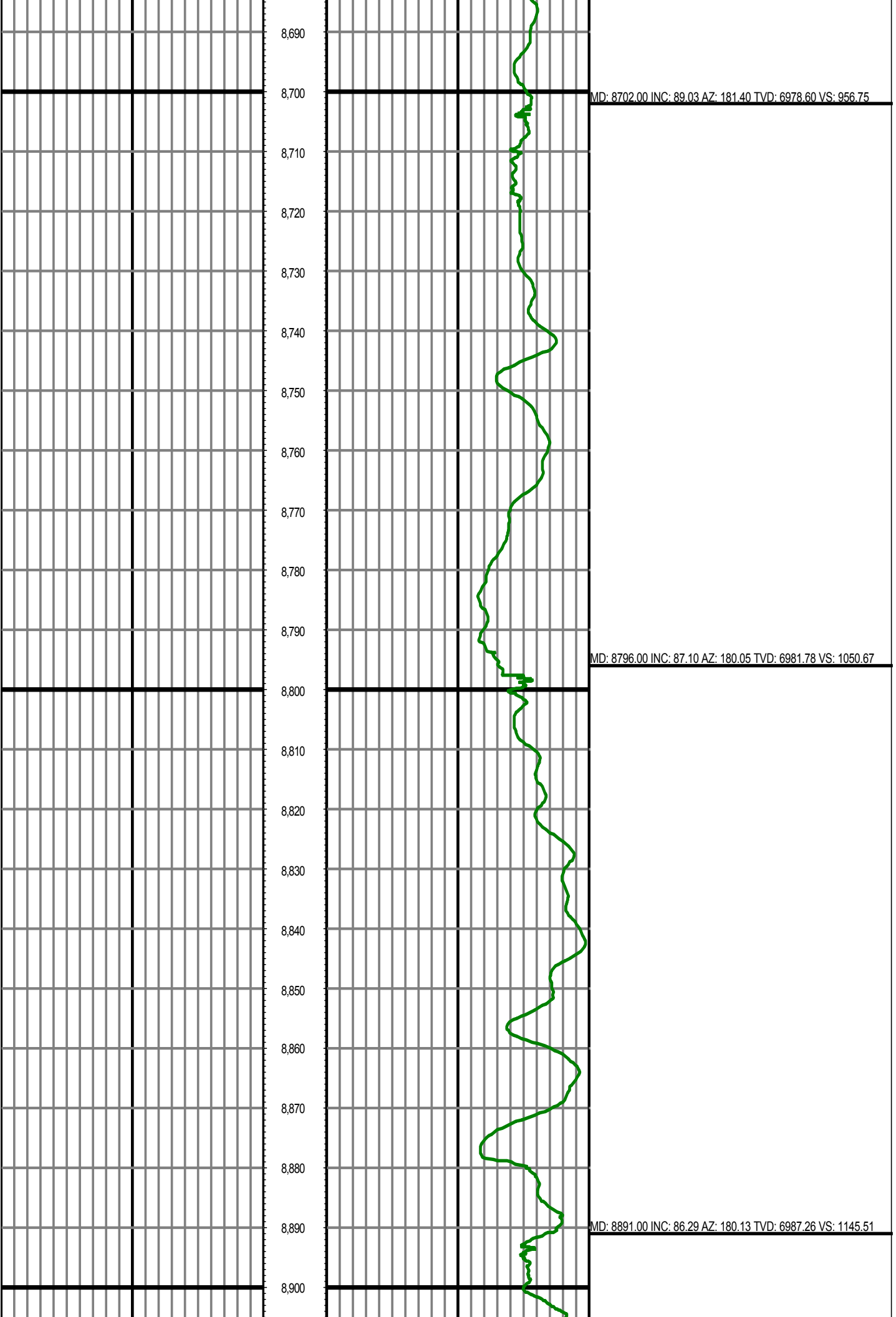


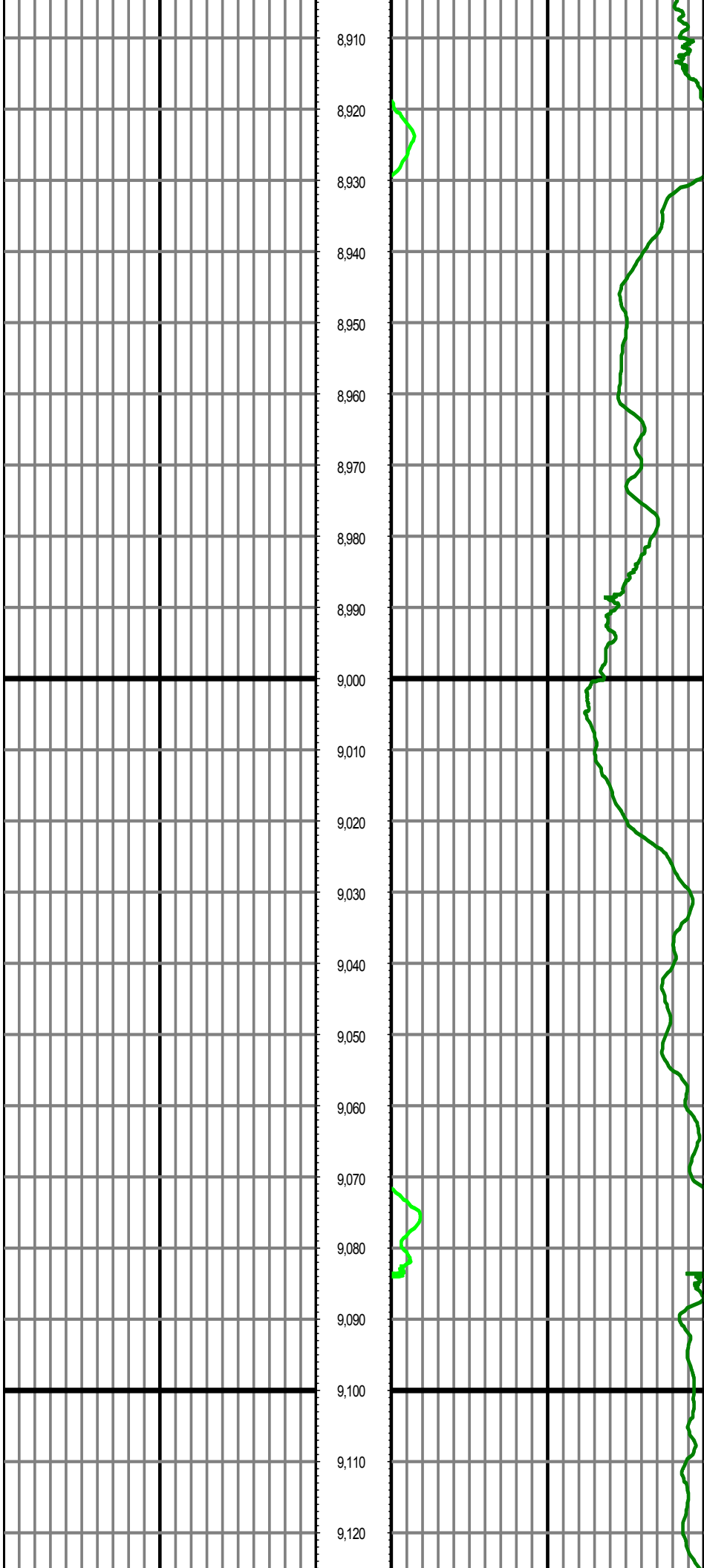


MD: 8324.00 INC: 91.43 AZ: 178.35 TVD: 6976.57 VS: 578.93

MD: 8418.00 INC: 90.76 AZ: 180.40 TVD: 6974.77 VS: 672.91

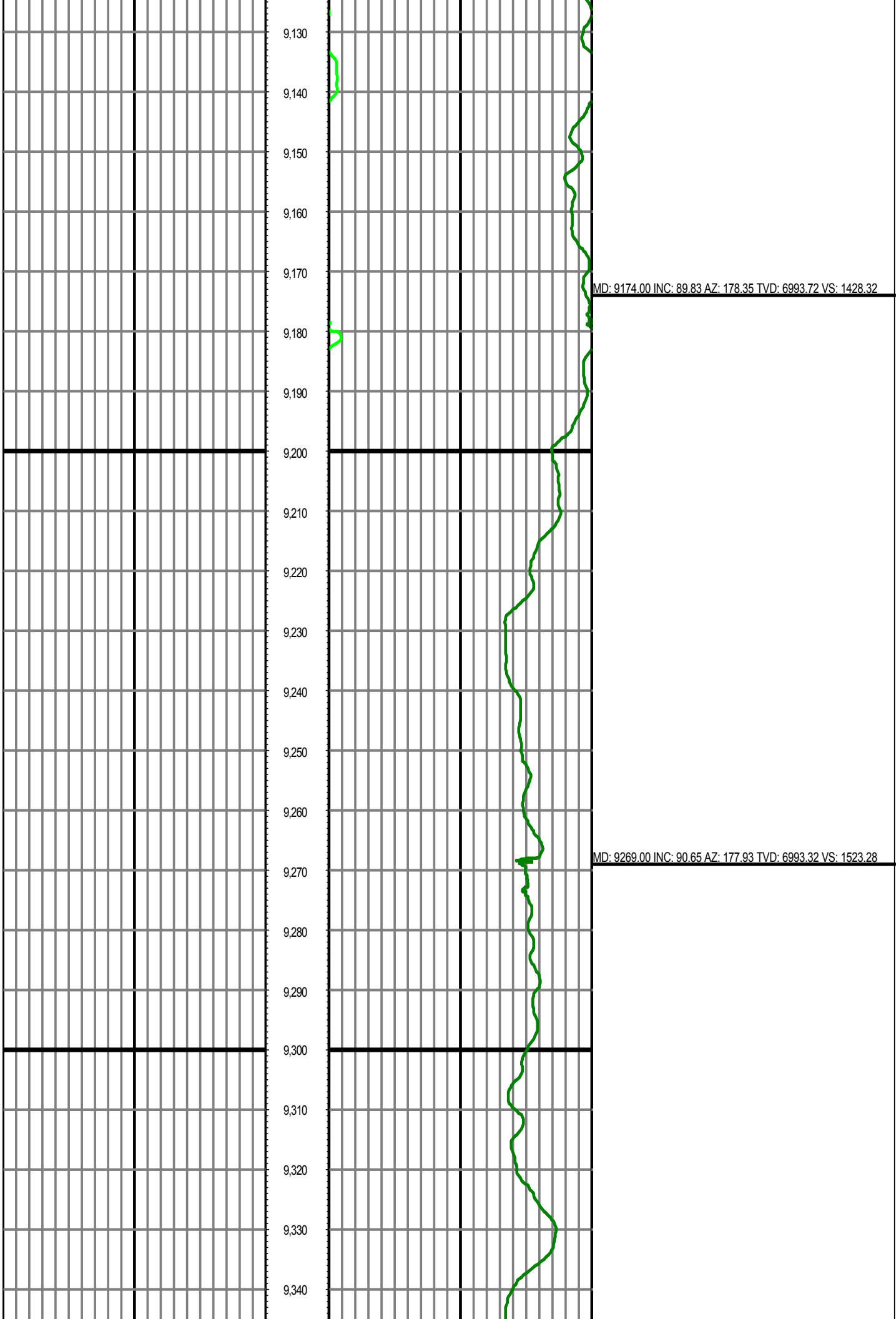




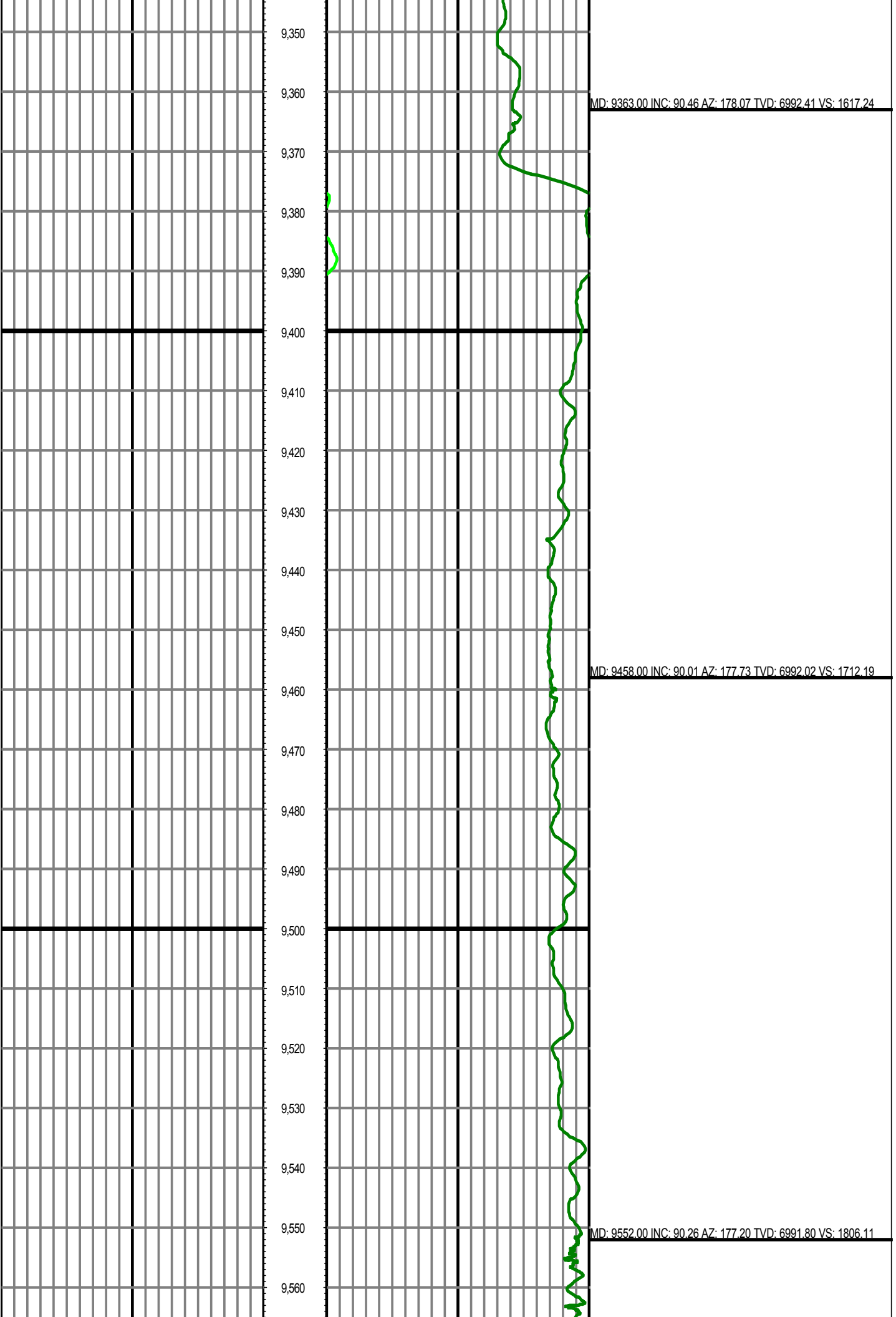


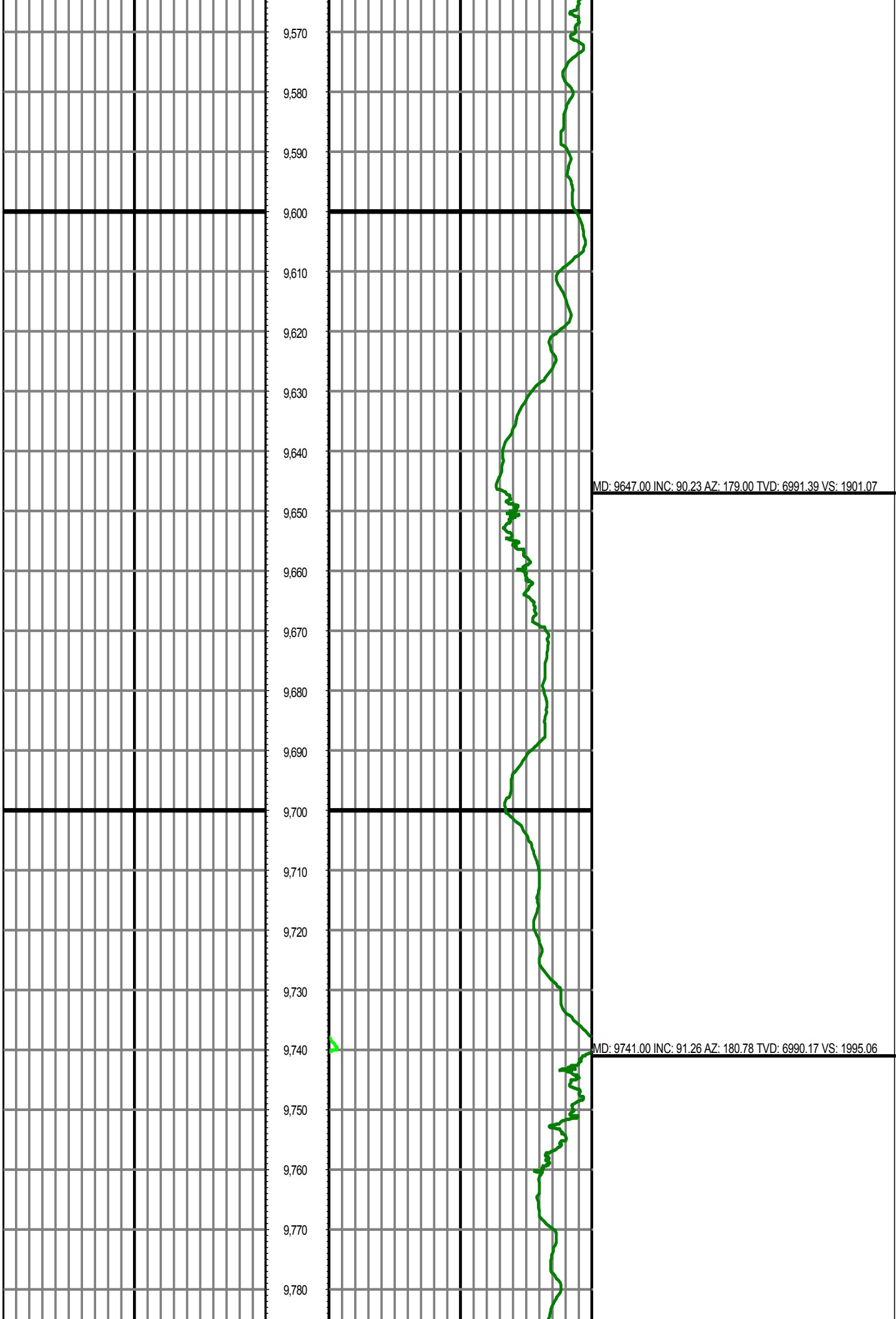
MD: 8985.00 INC: 88.15 AZ: 178.69 TVD: 6991.81 VS: 1239.39

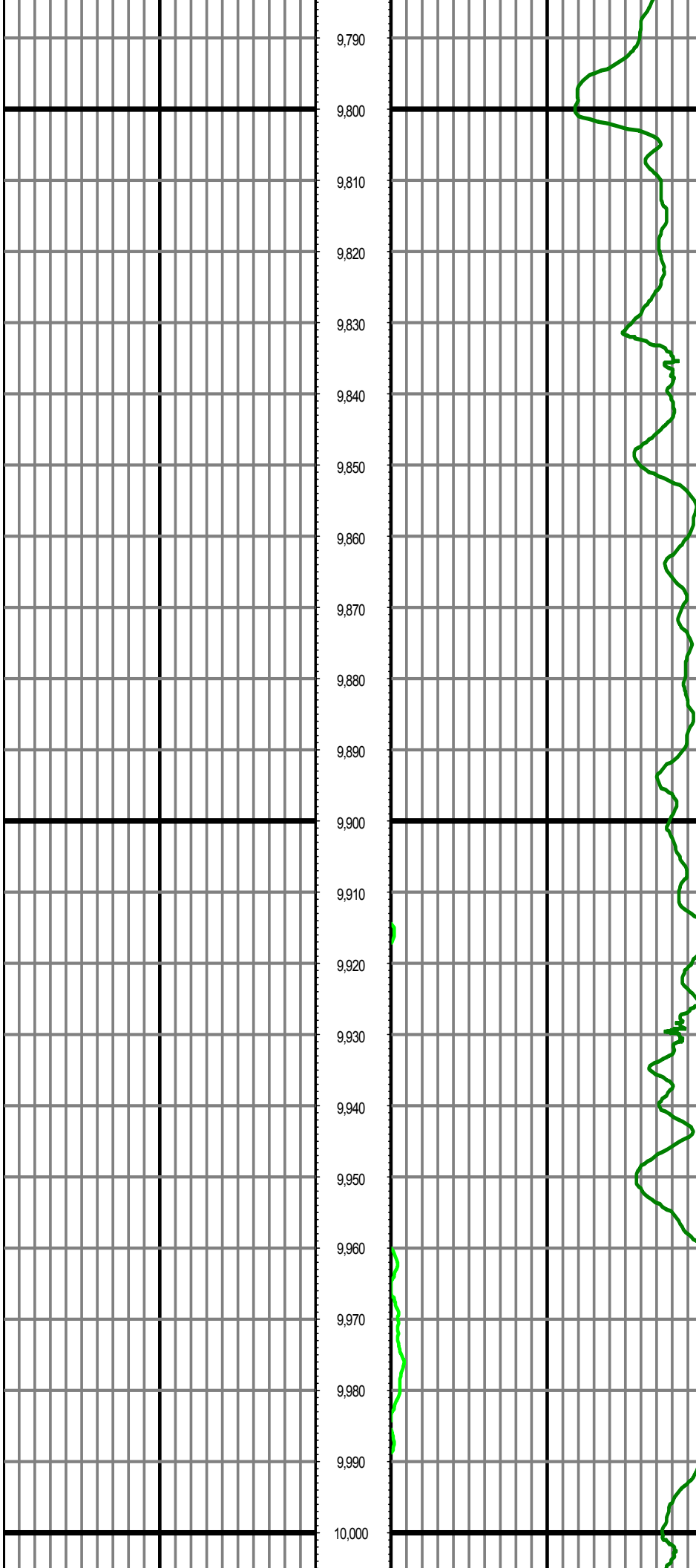
MD: 9080.00 INC: 89.86 AZ: 178.14 TVD: 6993.46 VS: 1334.35





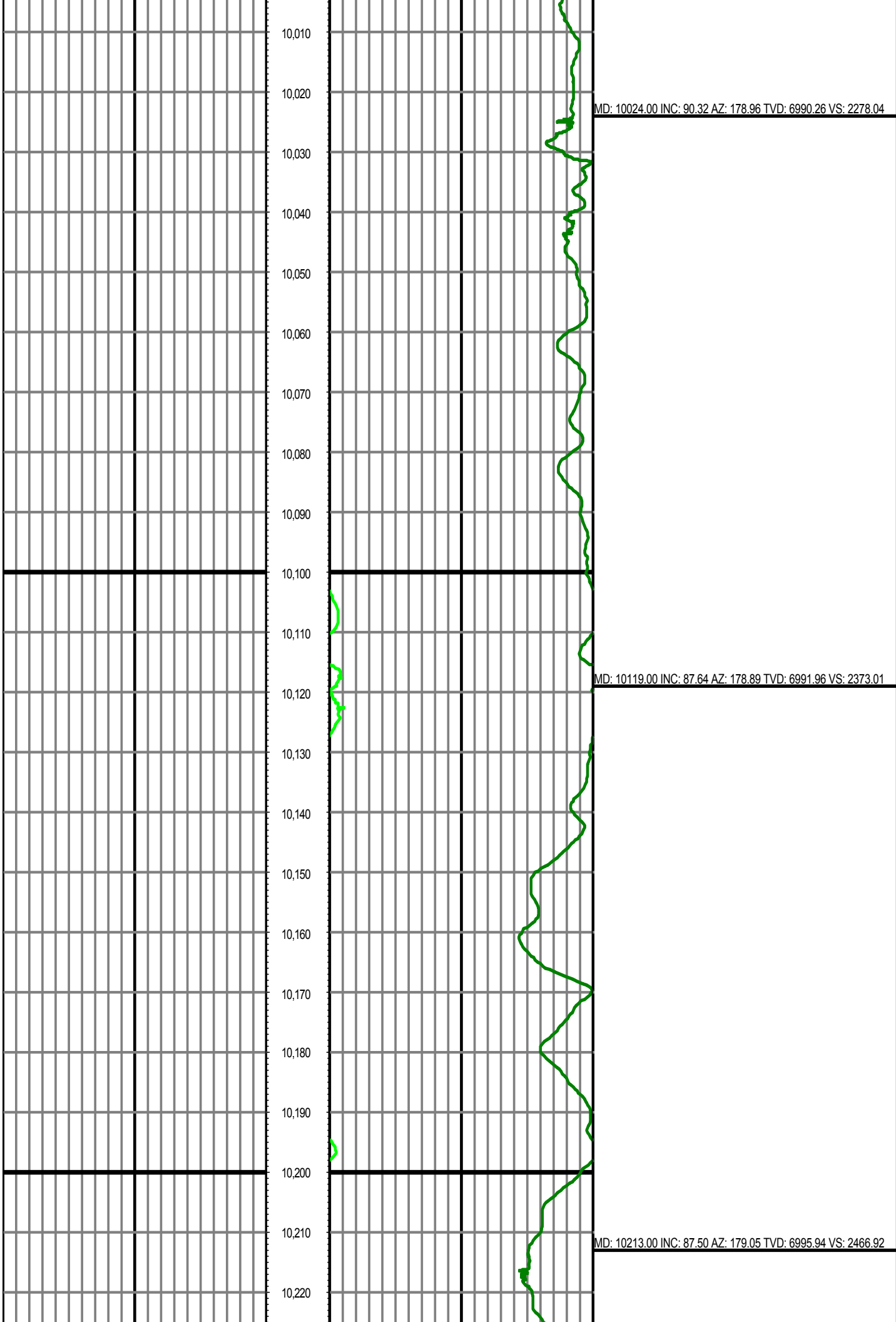


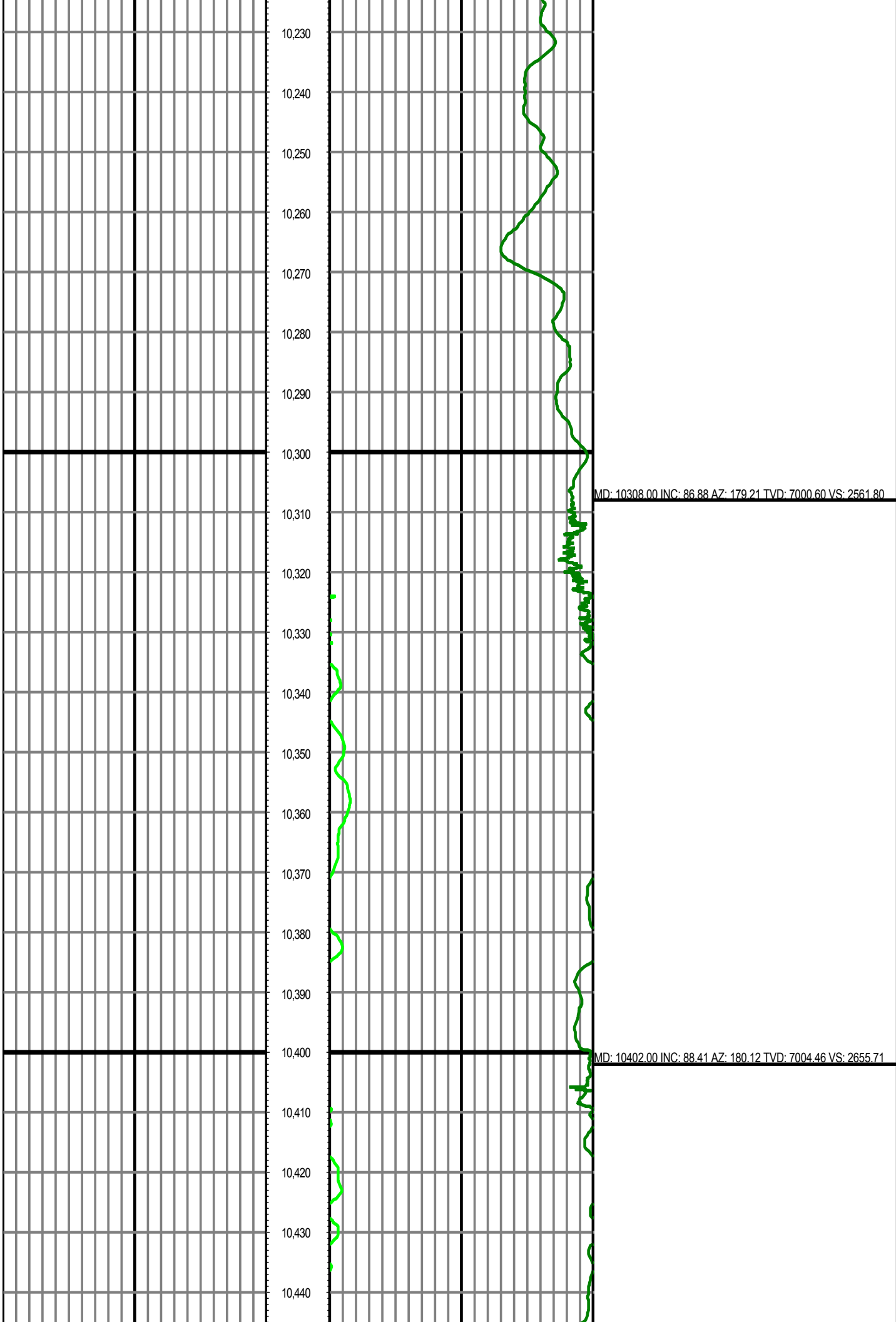


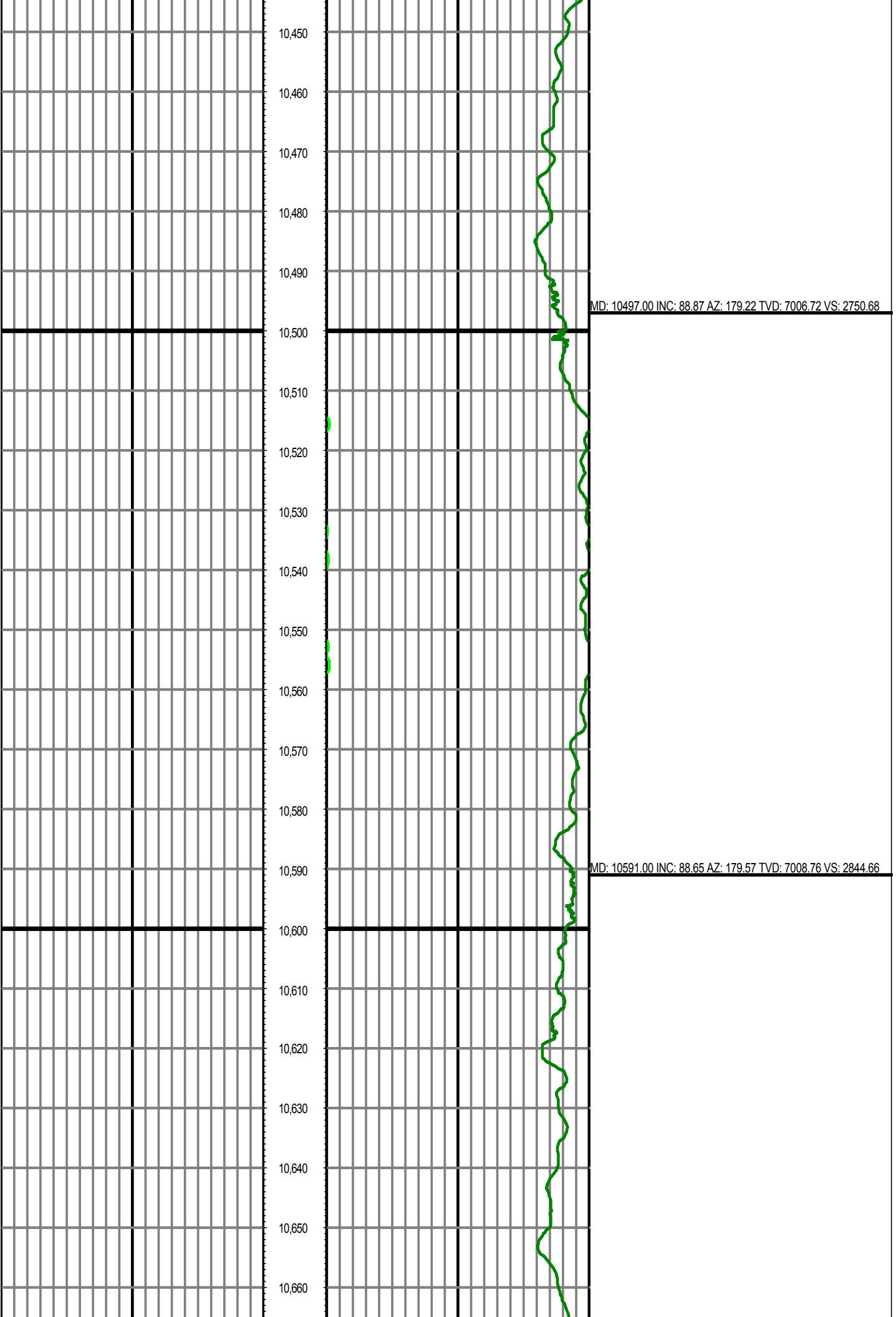


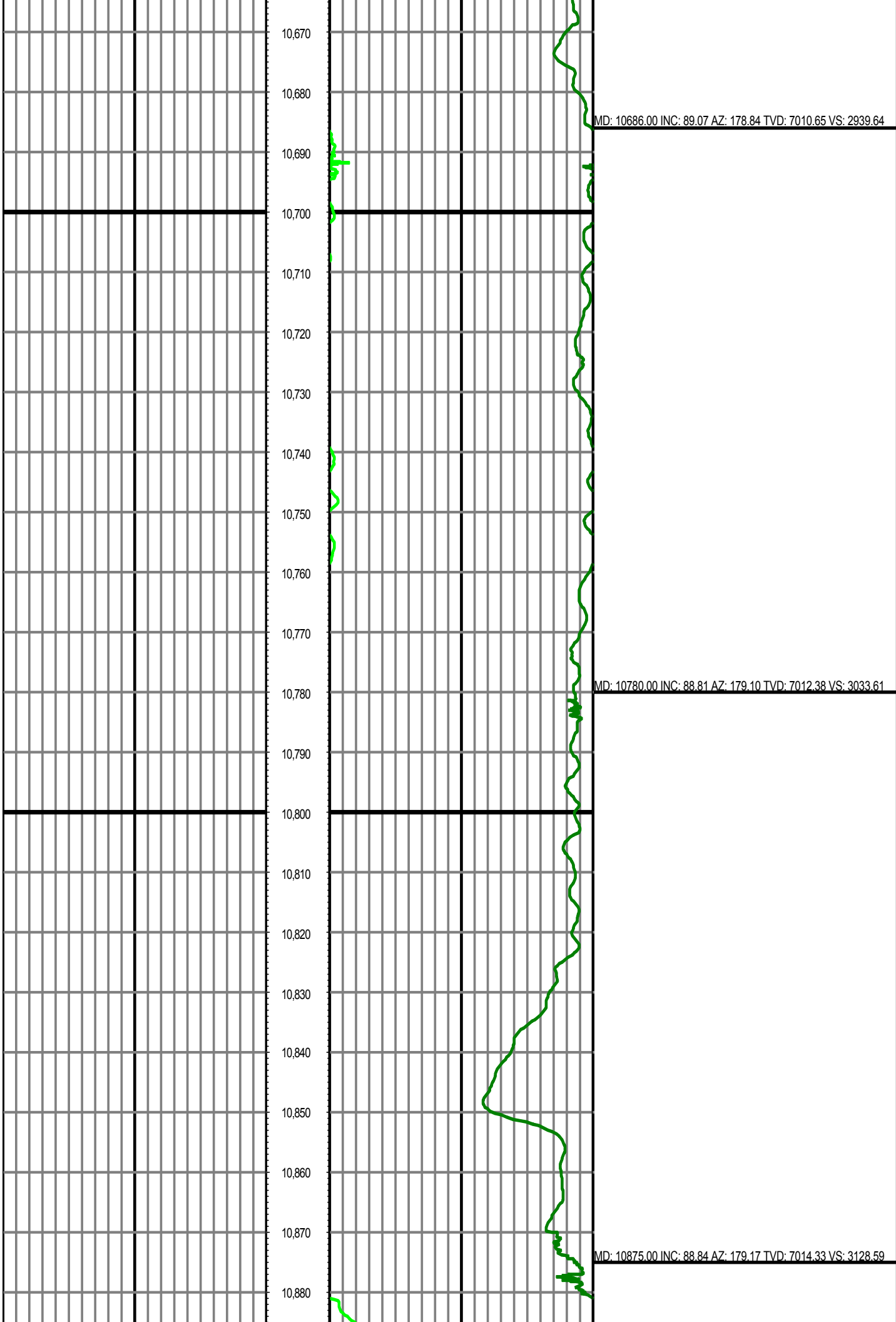
MD: 9836.00 INC: 89.18 AZ: 179.85 TVD: 6989.81 VS: 2090.05

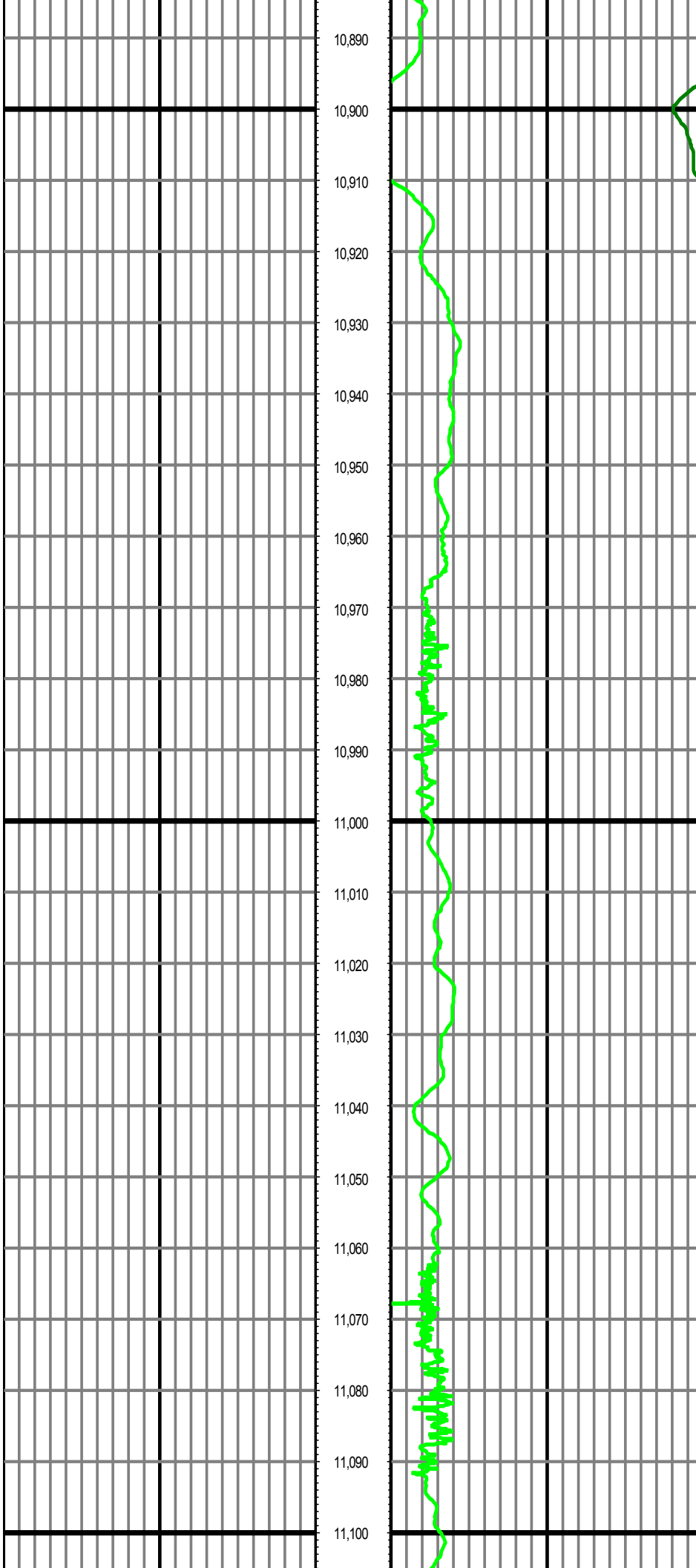
MD: 9930.00 INC: 89.97 AZ: 179.81 TVD: 6990.50 VS: 2184.04







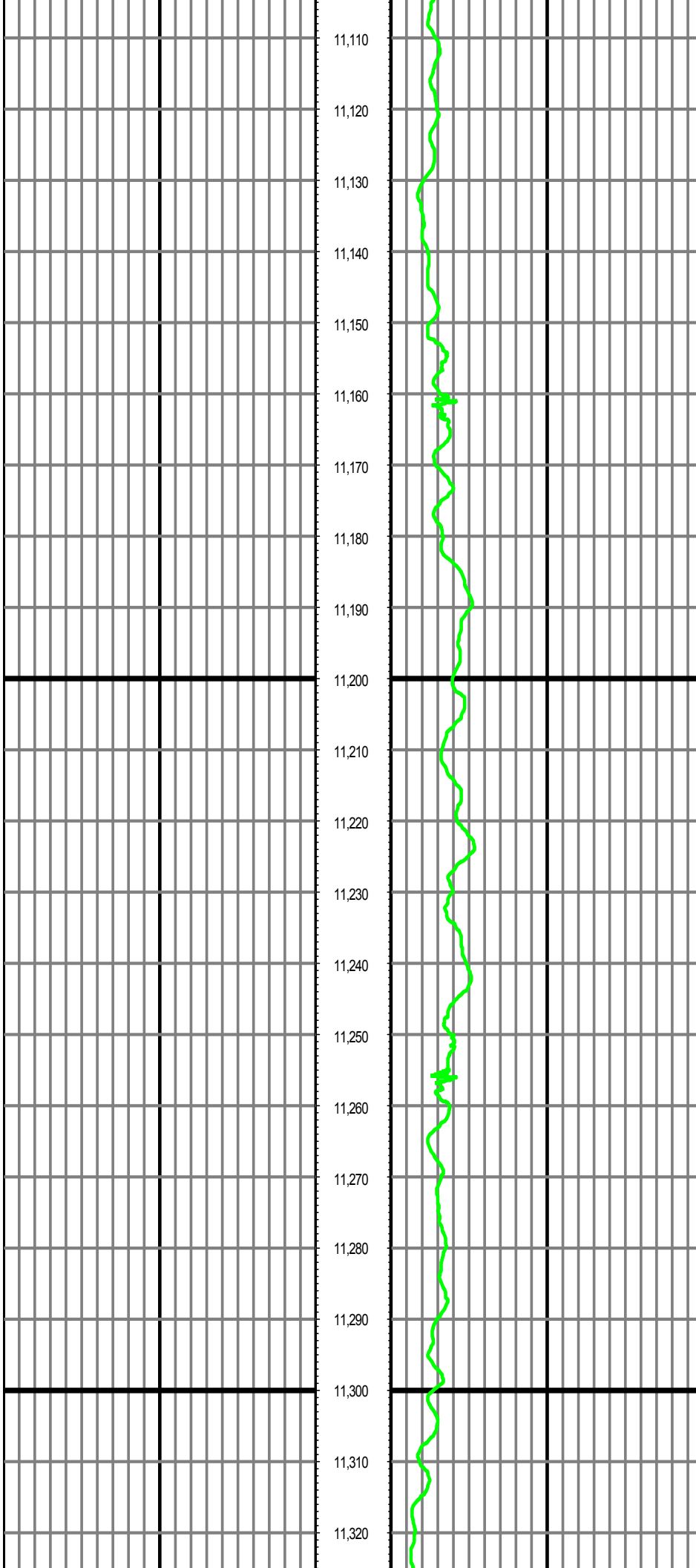




MD: 10969.00 INC: 88.35 AZ: 178.92 TVD: 7016.64 VS: 3222.55

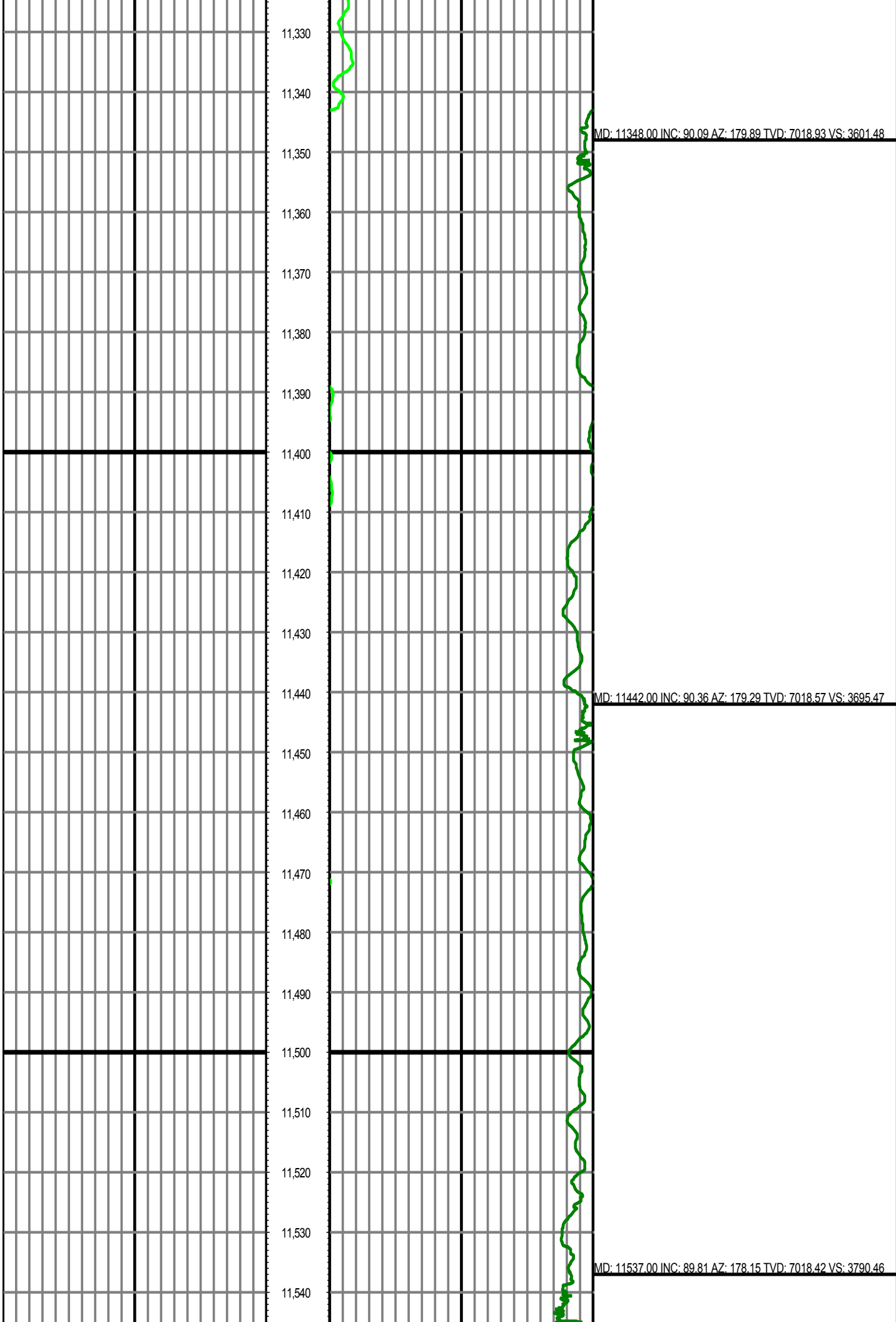
MD: 11064.00 INC: 88.78 AZ: 179.10 TVD: 7019.02 VS: 3317.52

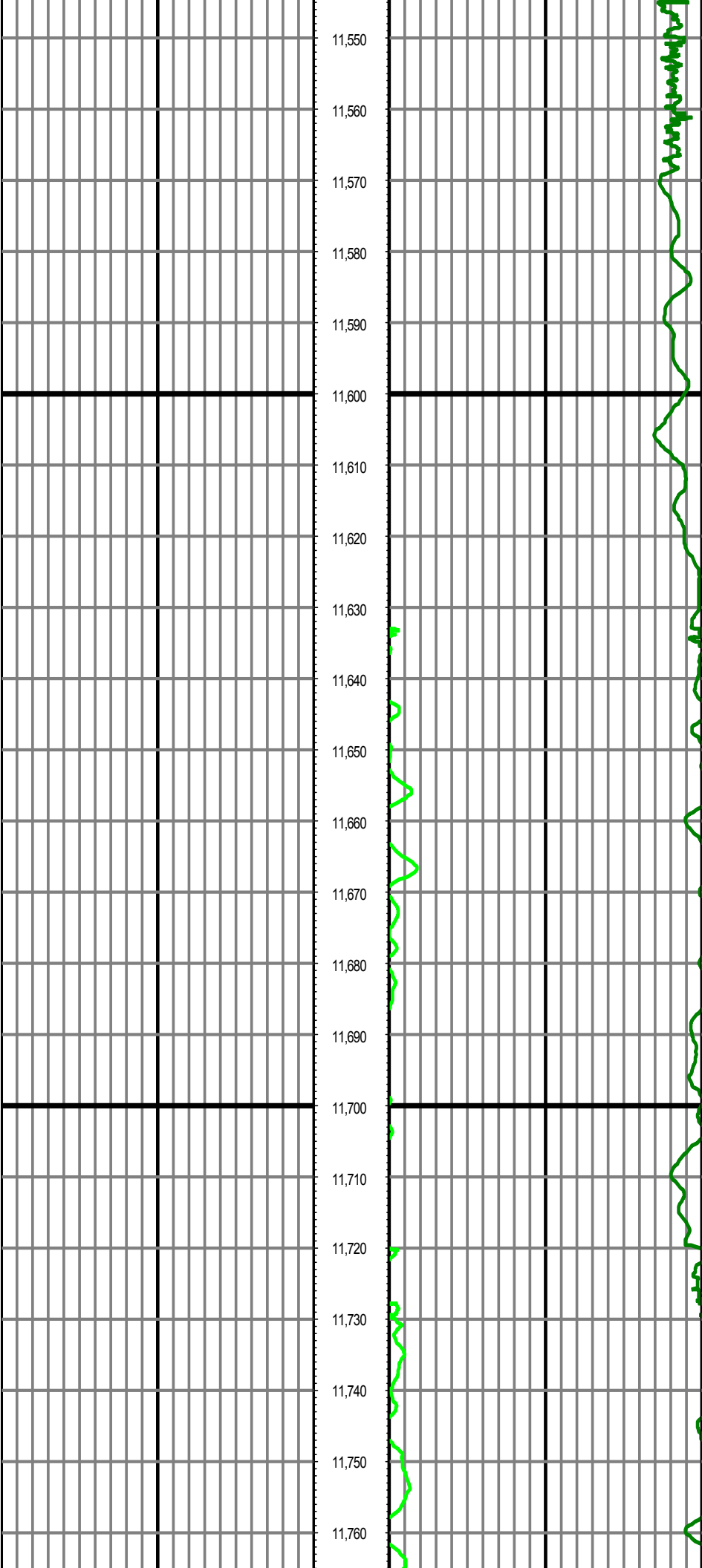




MD: 11158.00 INC: 90.42 AZ: 181.40 TVD: 7019.67 VS: 3411.50

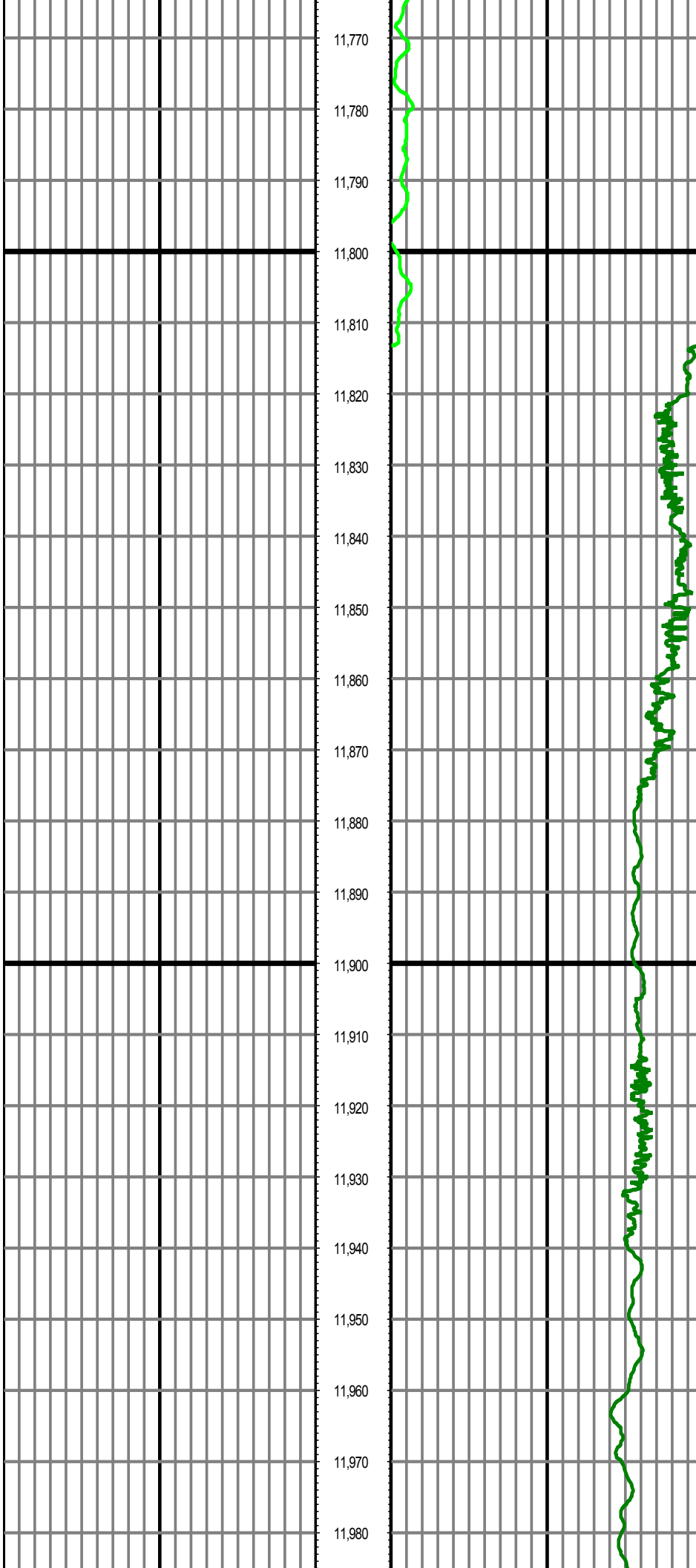
MD: 11253.00 INC: 90.19 AZ: 180.28 TVD: 7019.17 VS: 3506.48





MD: 11631.00 INC: 90.31 AZ: 179.53 TVD: 7018.33 VS: 3884.45

MD: 11725.00 INC: 90.47 AZ: 179.13 TVD: 7017.69 VS: 3978.44



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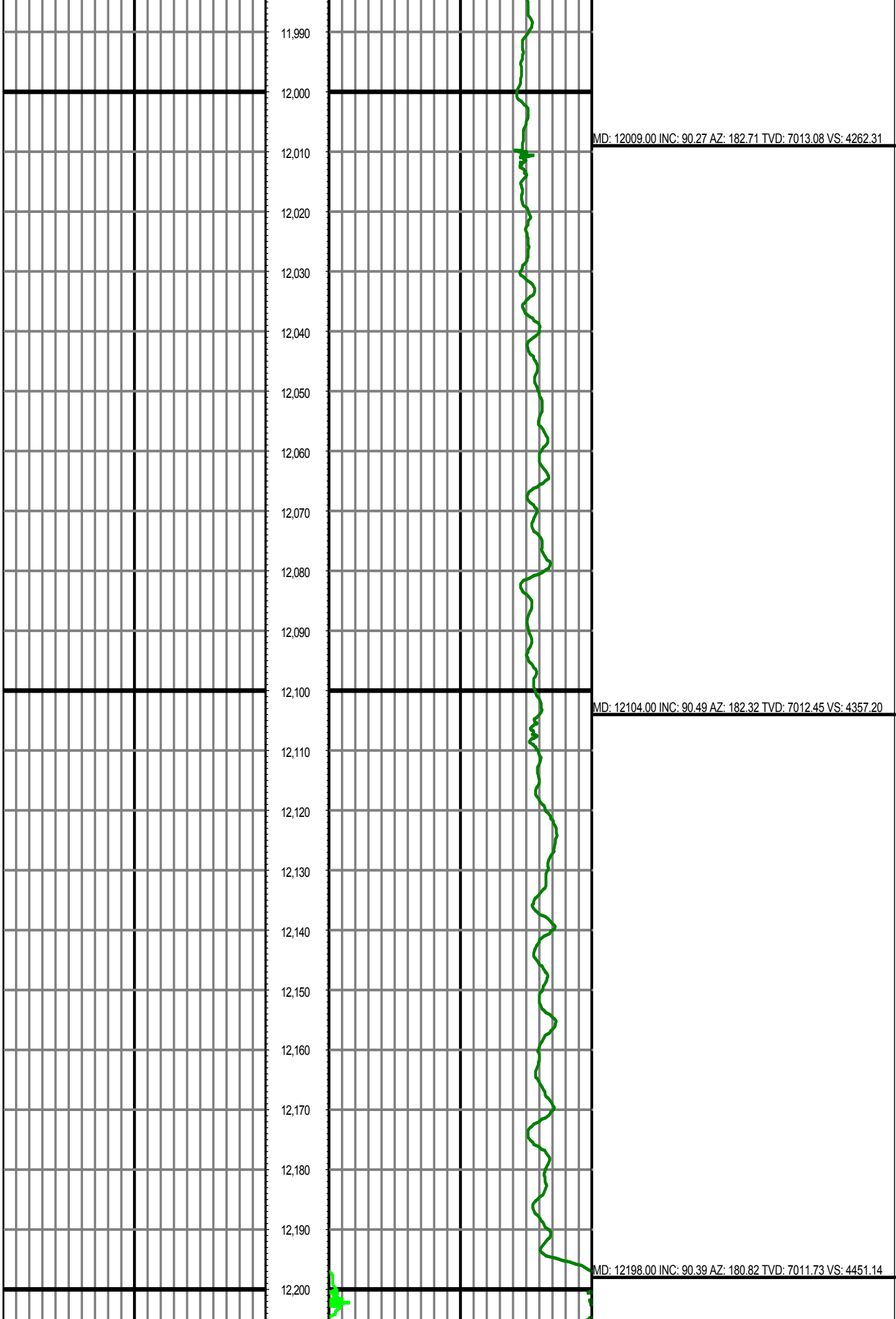
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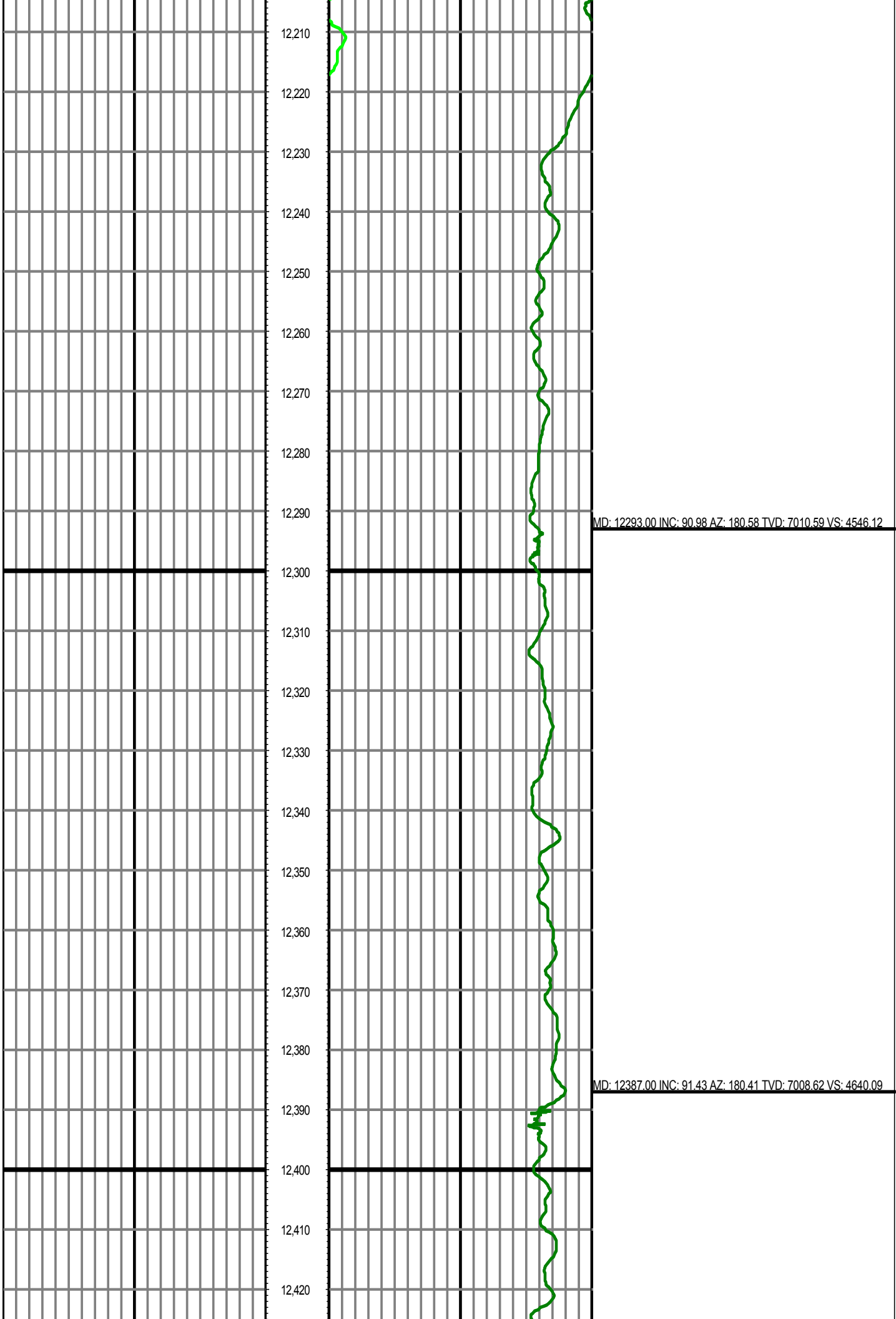
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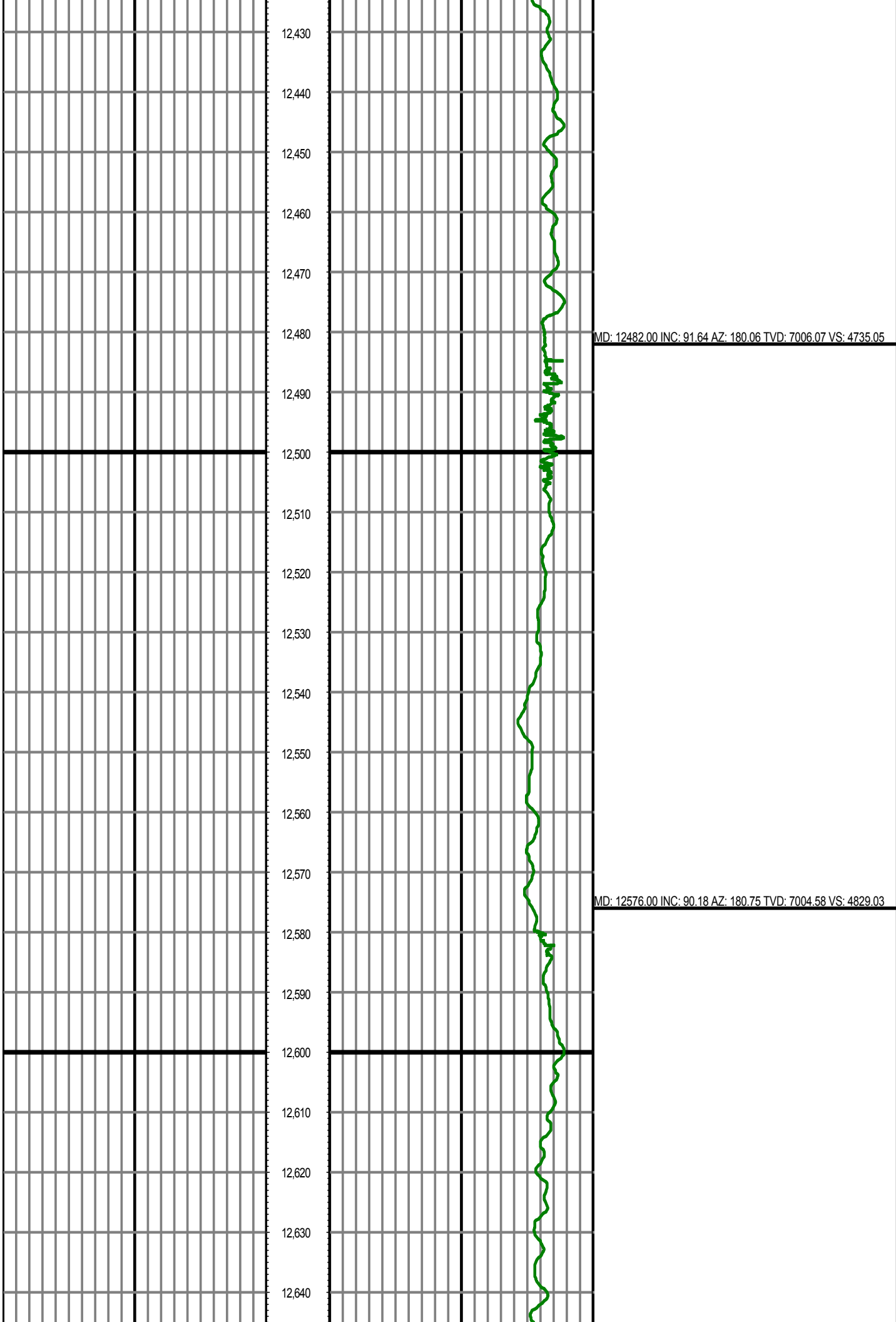
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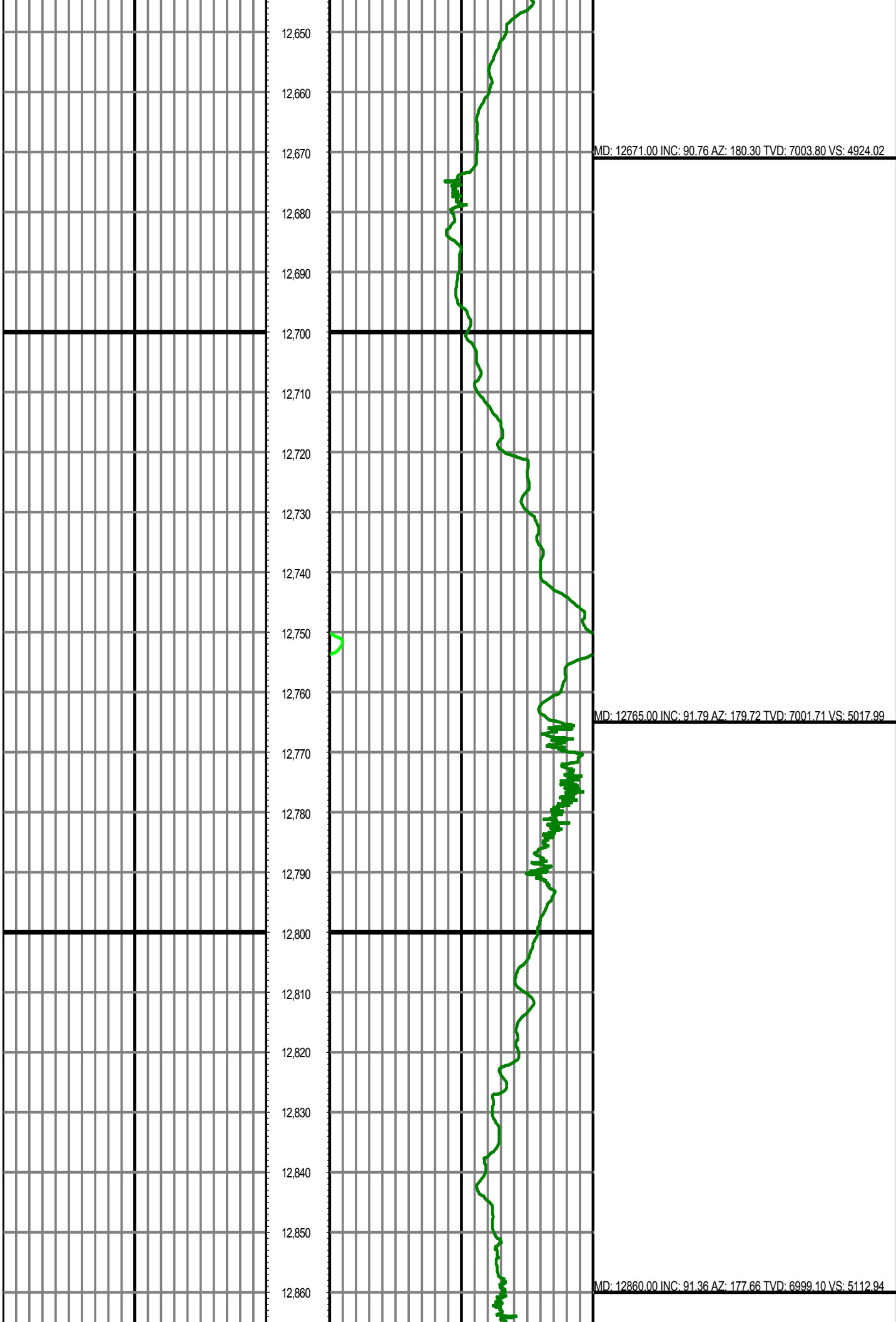
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MD: 11915.00 INC: 92.03 AZ: 180.13 TVD: 7014.97 VS: 4168.39

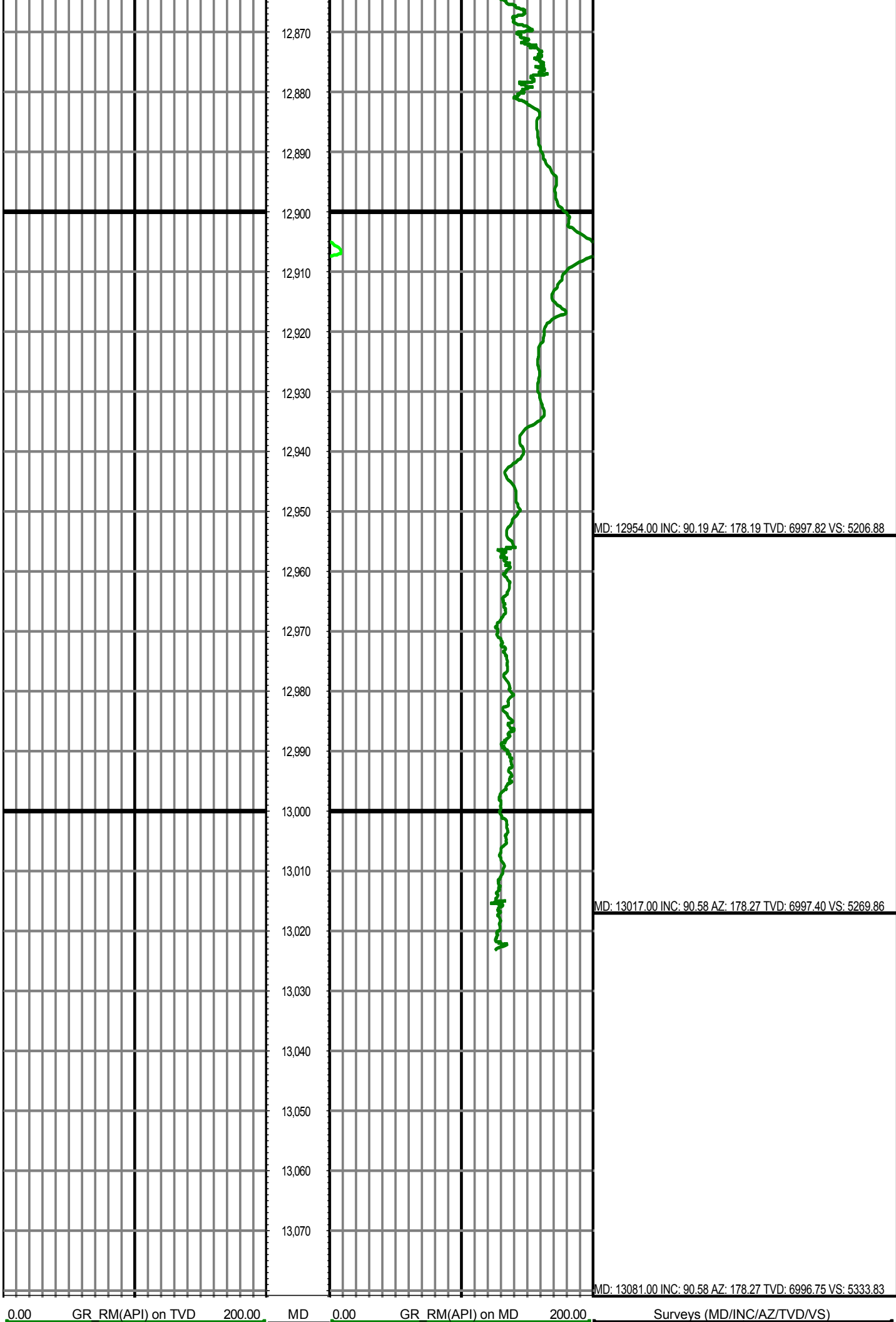












200.00	2	400.00	FT	200.00	2	400.00
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