



CATHEDRAL

Cathedral Energy Services
1949 North Pyrite Road
Casper, Wyoming 82604

145318

5"-100' - MD

10/29/2014 1:31:20 PM

Oper. Company: Encana Oil & Gas (USA) Inc.

Country: U.S.A.

State / Province: Colorado

County / Parish: Weld

Started: 09/23/2014 11:30 PM

API/UWI: 05-123-37585-00

Field: Wattenberg (Codell)

Well: Drieth 1B-6H-A368

Rig: Ensign Drilling 135

Ended: 10/02/2014 10:00 PM

Gamma Ray
Section Plane: 270.00
Magnetic North: 8.56
Gamma Averaging: 7%

Personnel

Day Hand: J. Corby

Night Hand: K. Wagoner

Comp. Emp:

Maximum Temperature: 206°F

Location

Latitude: 40.260160

Longitude: -105.038150

Elev. GL: 5087

Elev. DF:

Elev. KB: 5100

Log and Survey Depths Relative to Kelly Bushing (KB) Depth

Hole Data

Size	From	To
8-3/4	875	7735
6-1/8	7735	11617

Casing Data

Size	From	To
9-5/8	0	838
7	0	7717

Bit Sizes

Size	From	To
8-3/4	0	7735
6-1/8	7735	11617

Mud Data

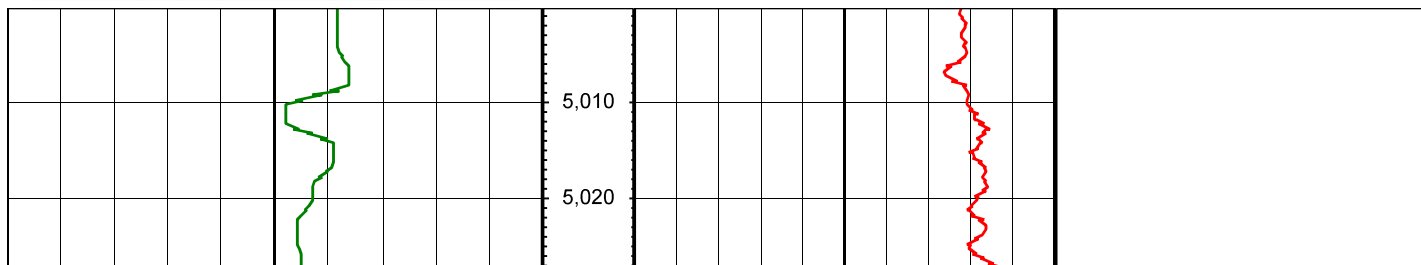
Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
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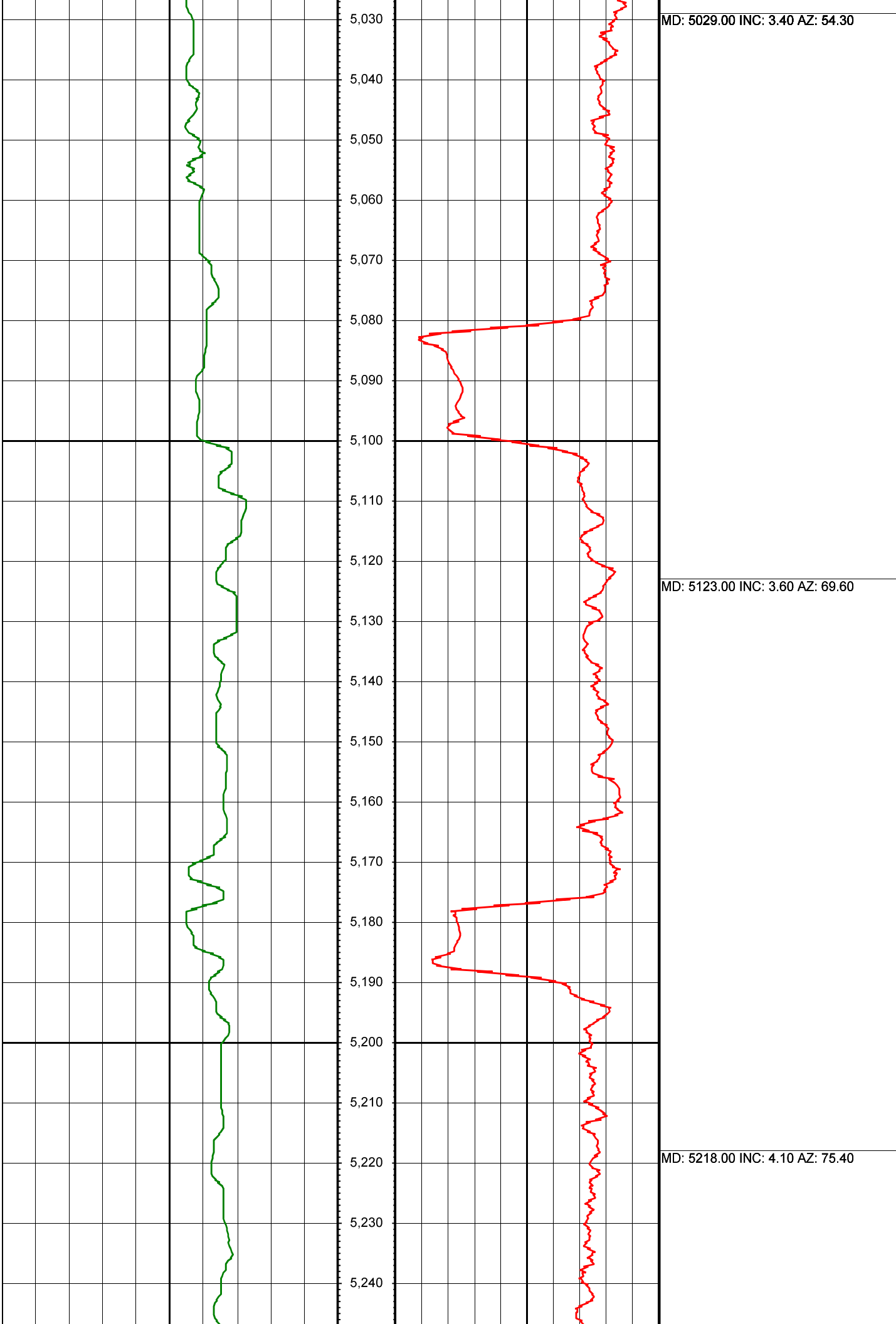
Tool Run Data

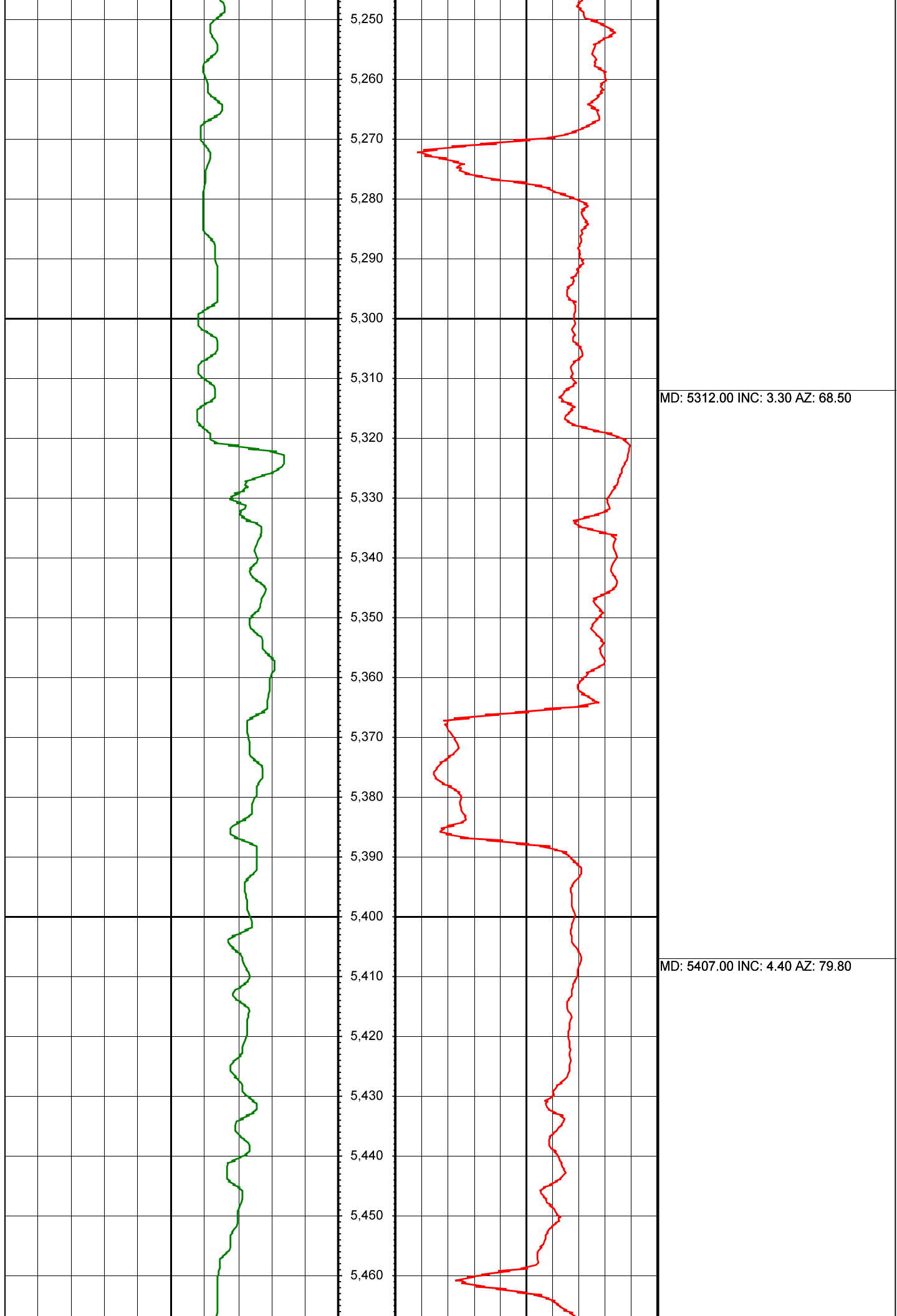
Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
2008	39.72	0	9/23/2014 11:30:51 PM	5000	9/26/2014 4:00:51 PM	7314
2008	40.23	0	9/28/2014 12:00:20 PM	7735	9/30/2014 11:00:20 PM	9394
2018	40.23	0	10/1/2014 11:30:36 PM	9396	10/2/2014 7:30:36 AM	11617

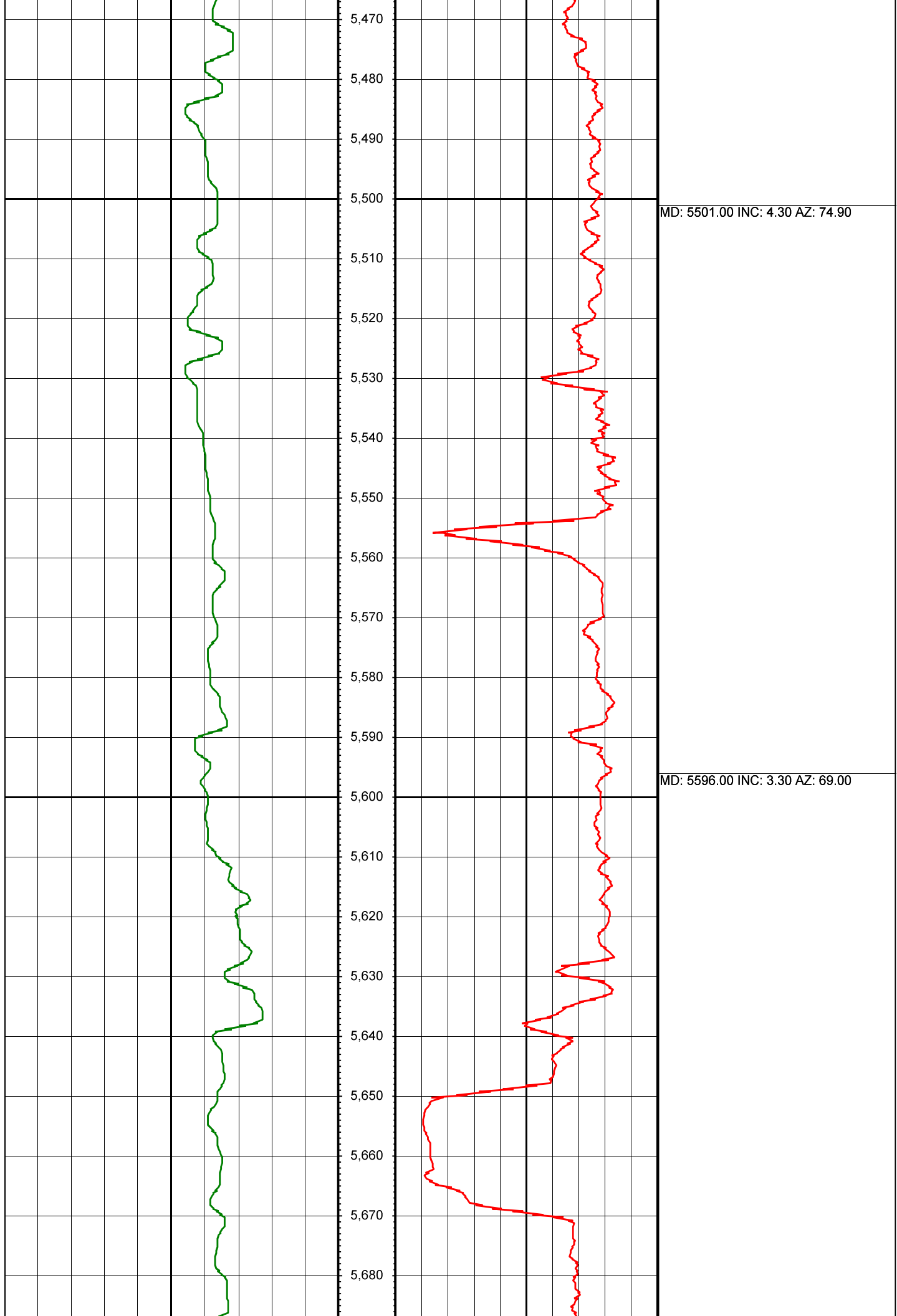
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost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

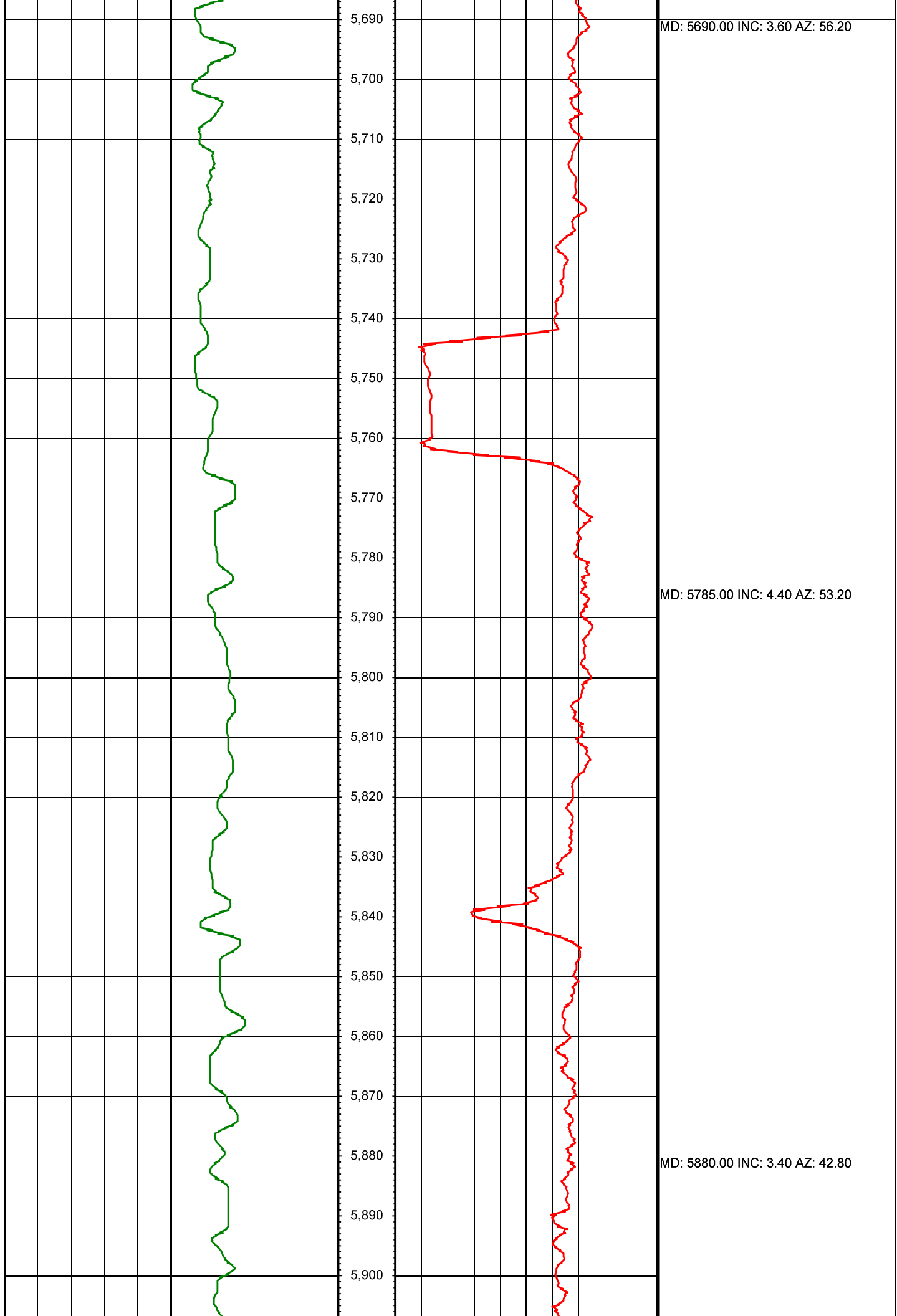
0.00 Gamma Ray (API) 150.00 MD 0.00 ROP (FT/HR) 600.00 Surveys (MD/INC/AZ)
150.00 2 300.00 FT

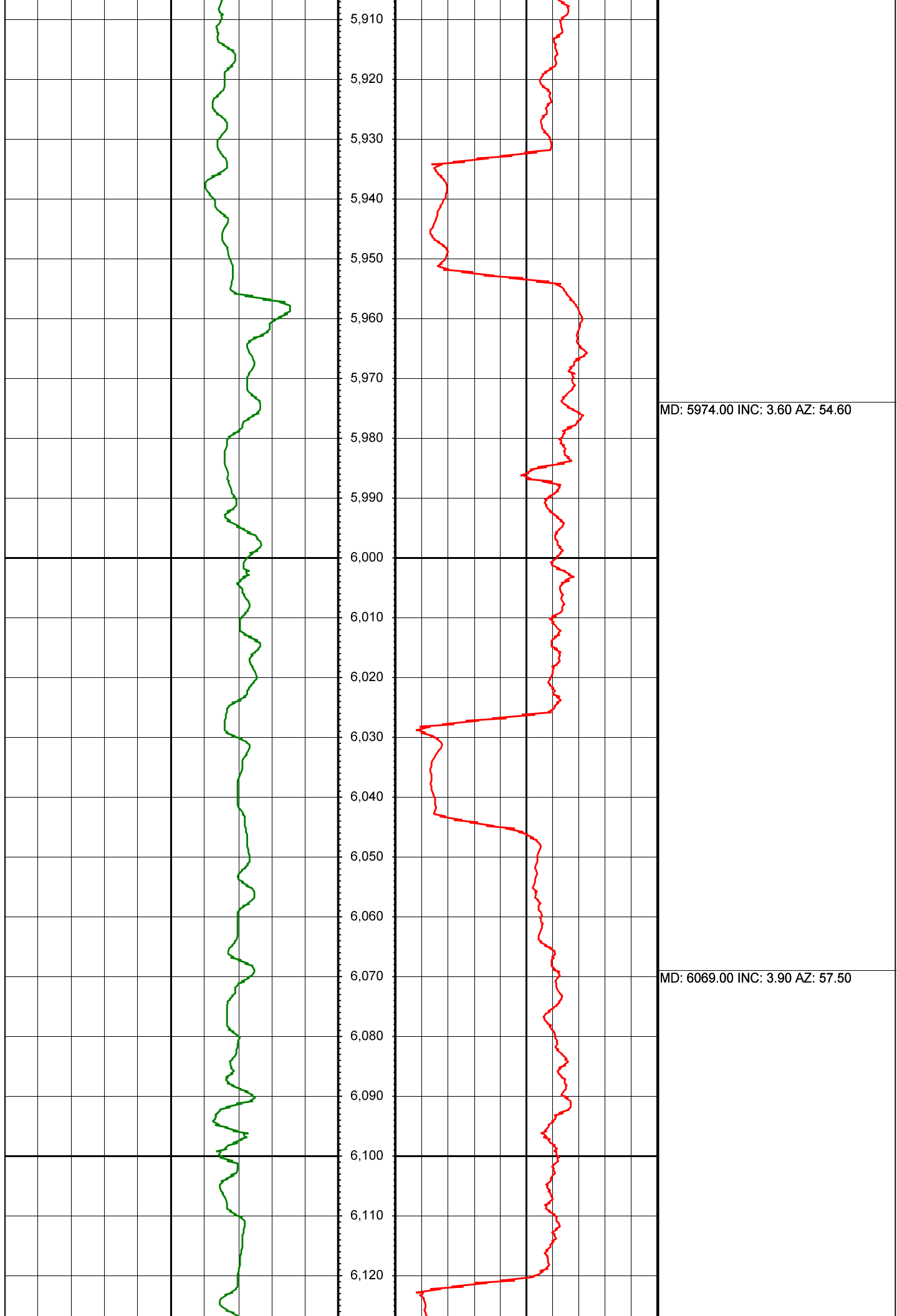


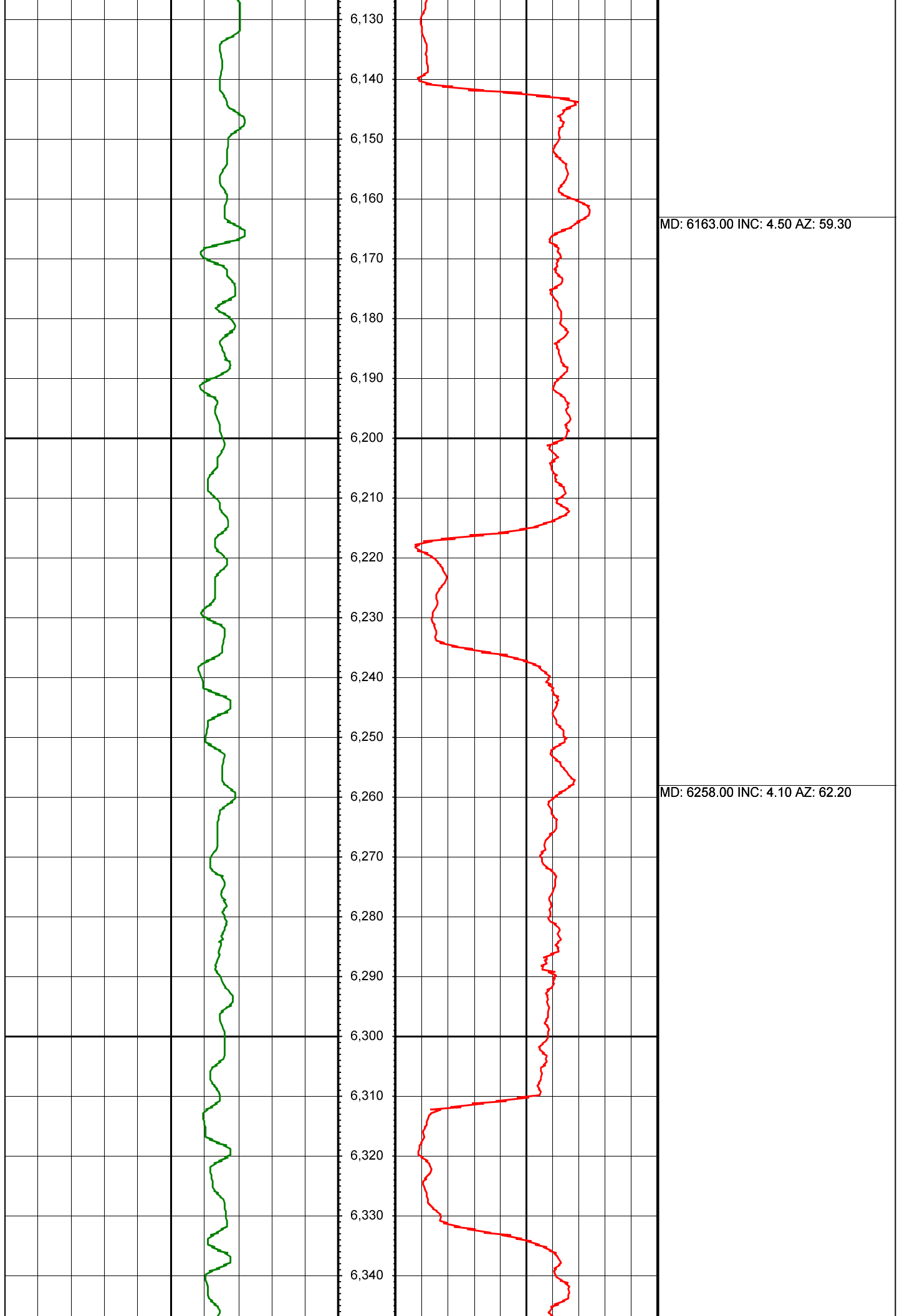


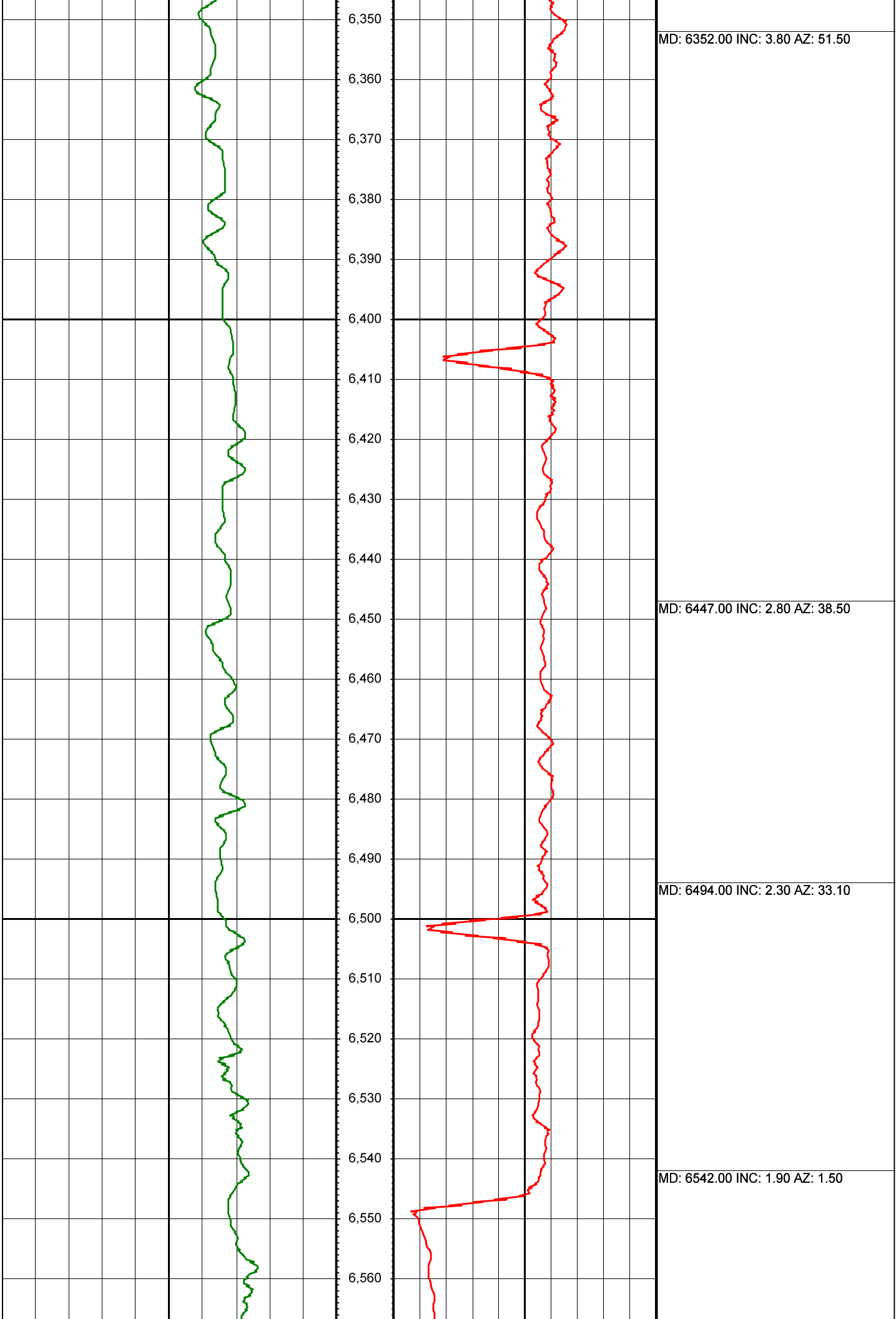


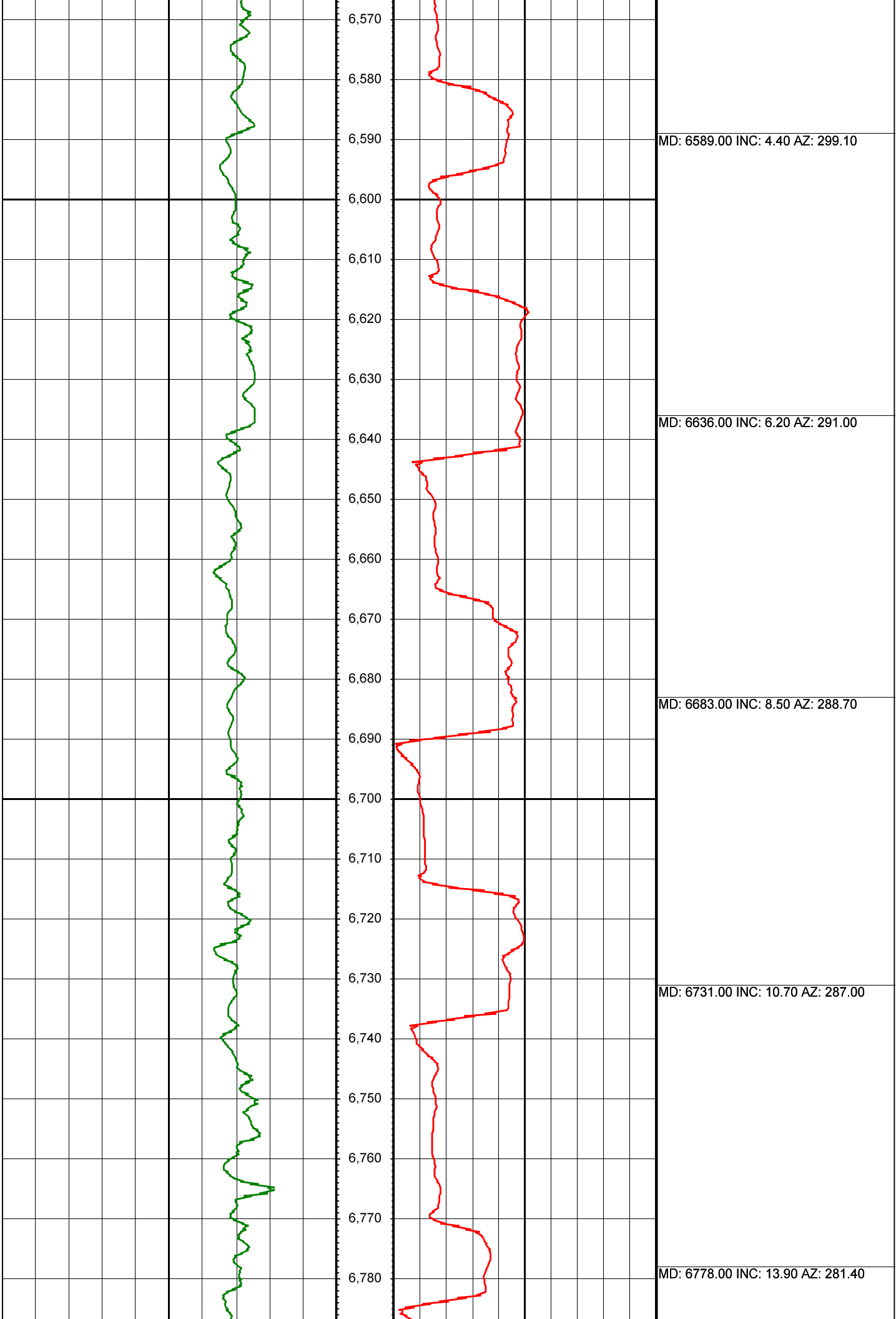


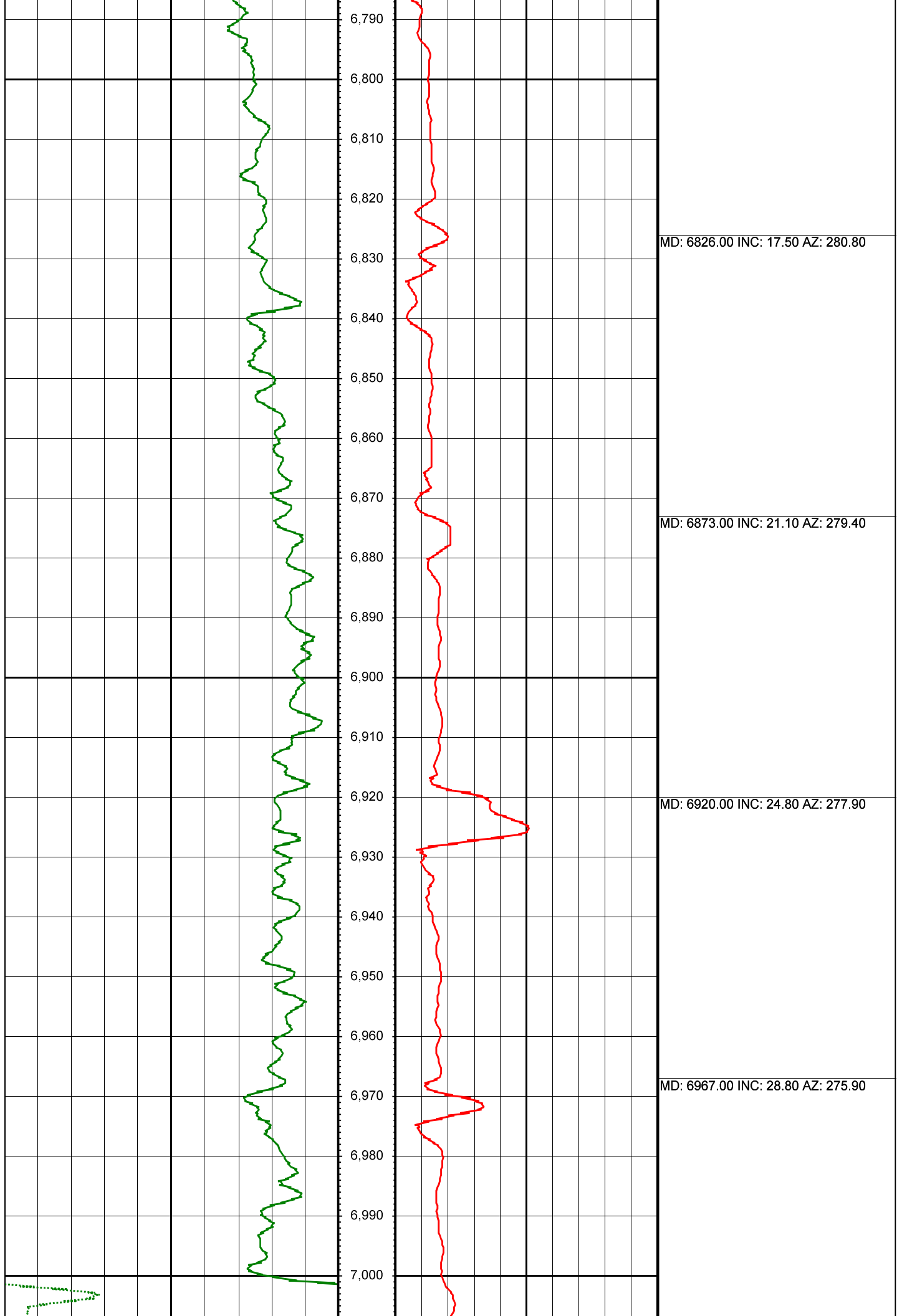


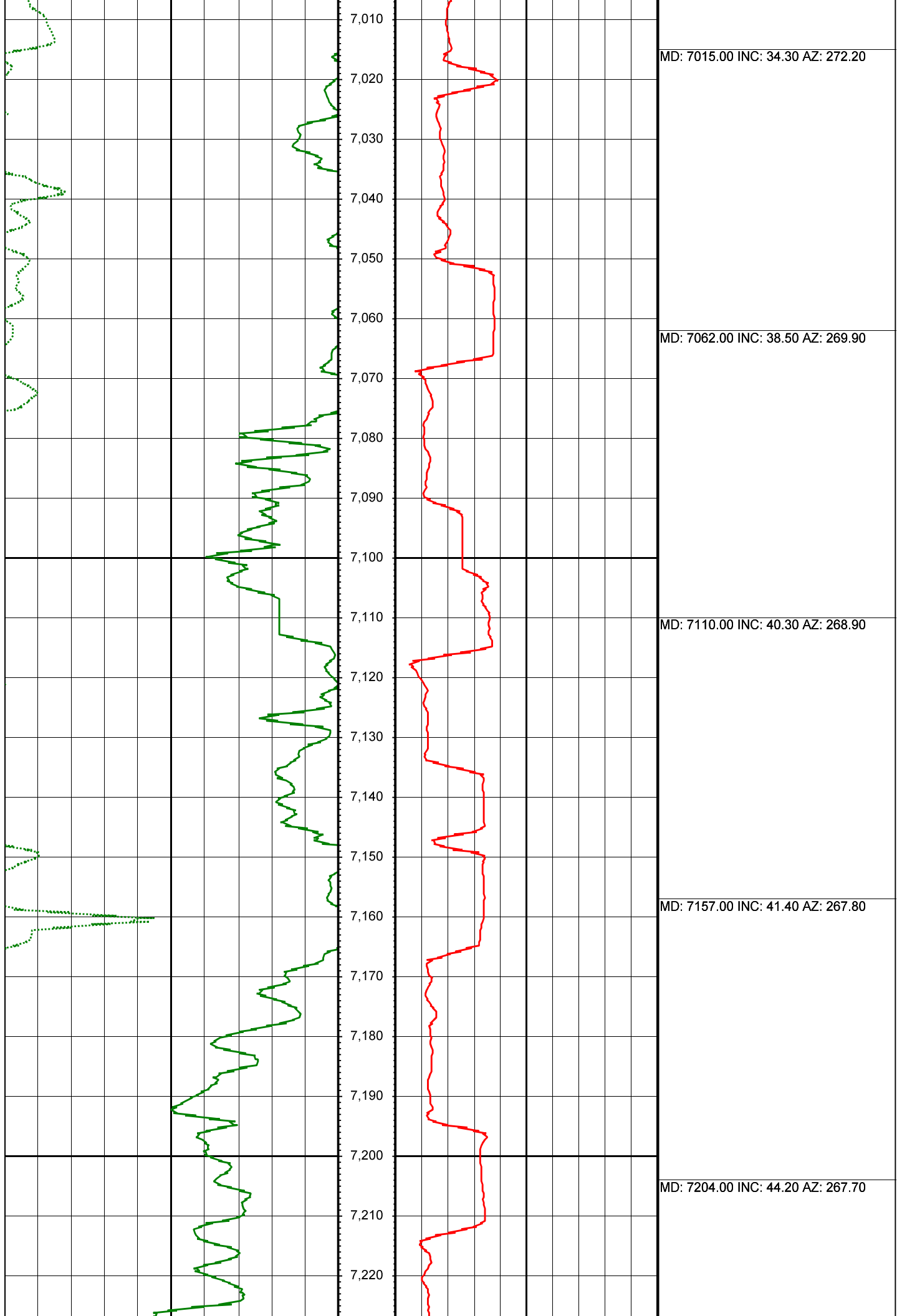


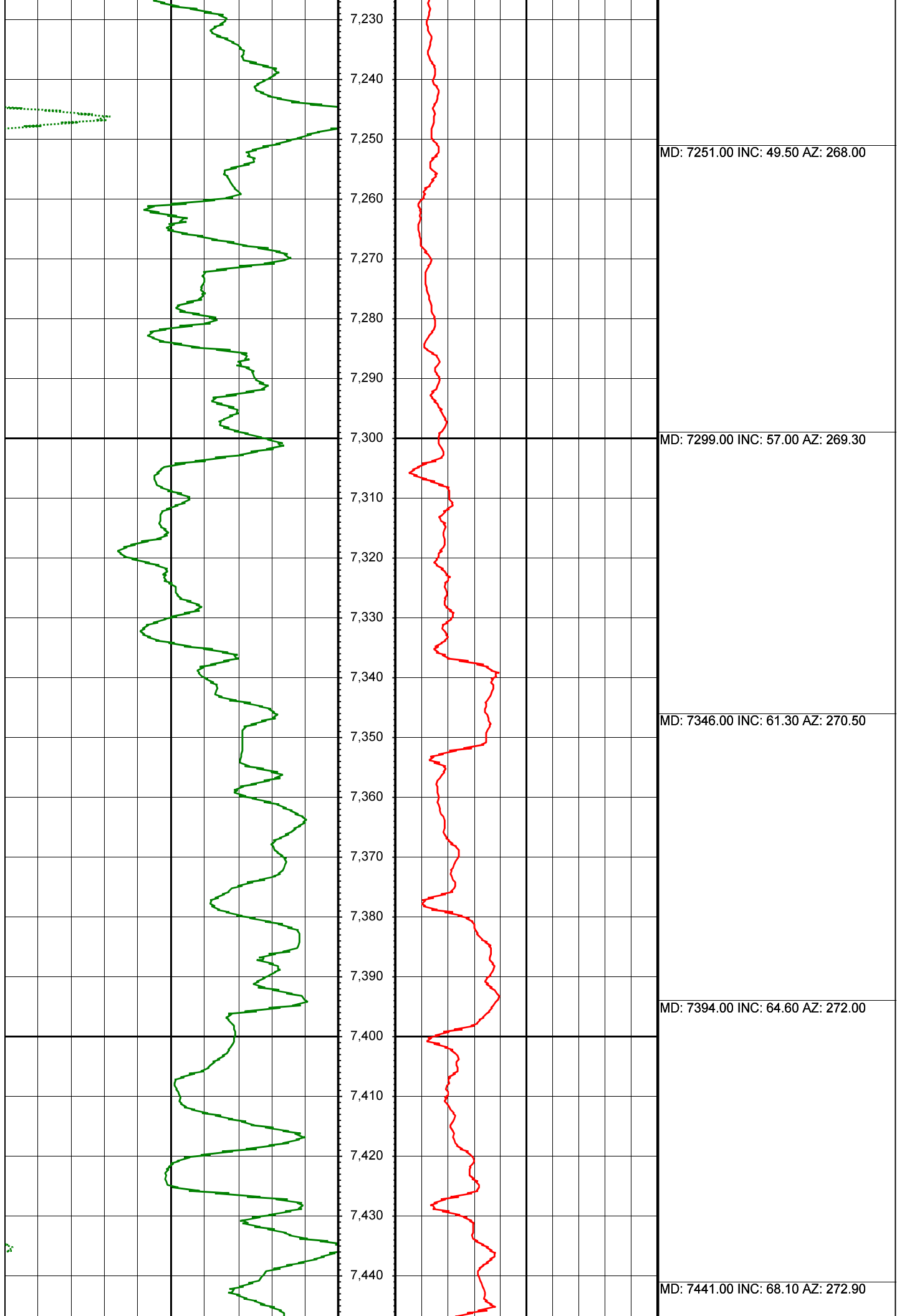


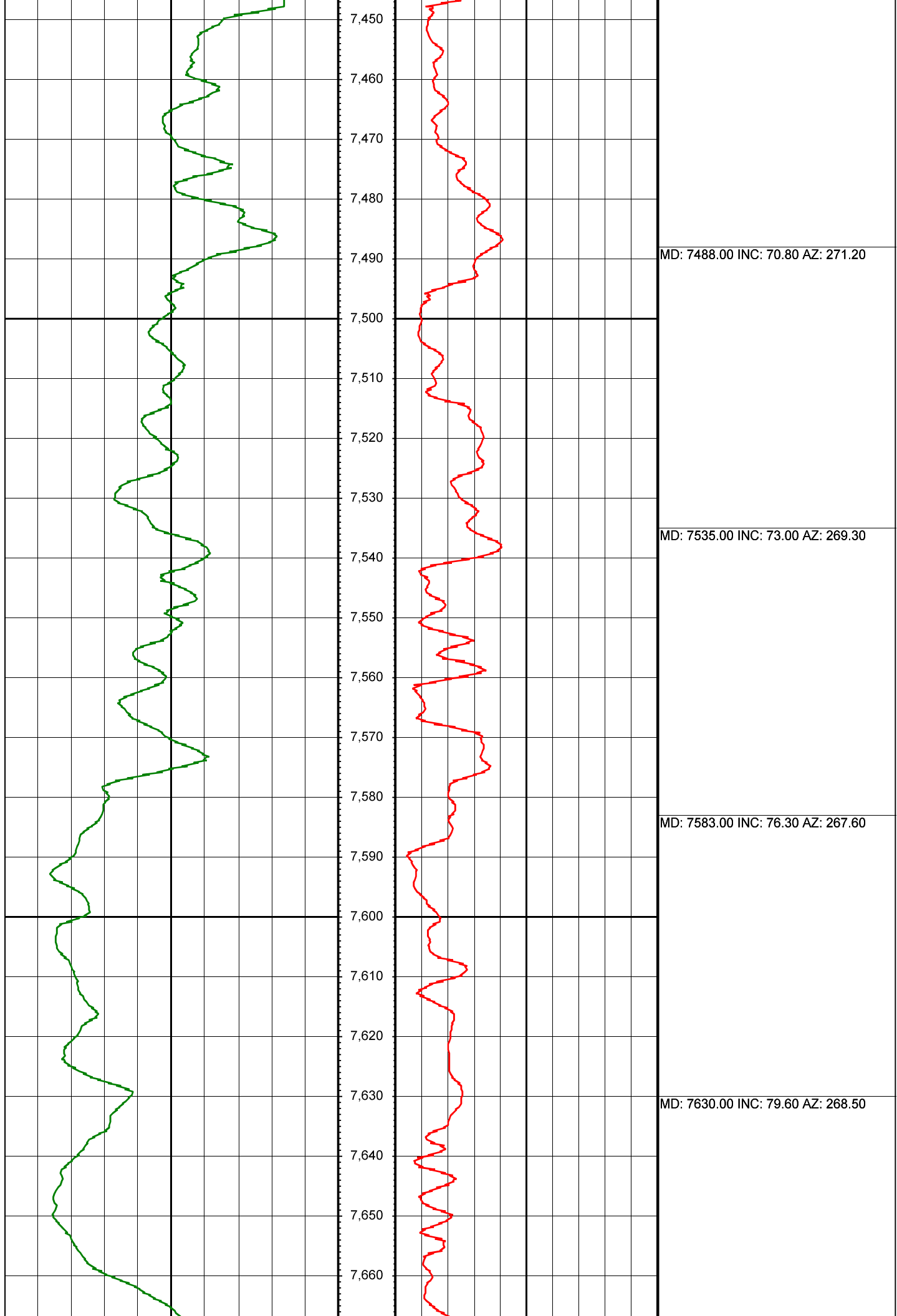


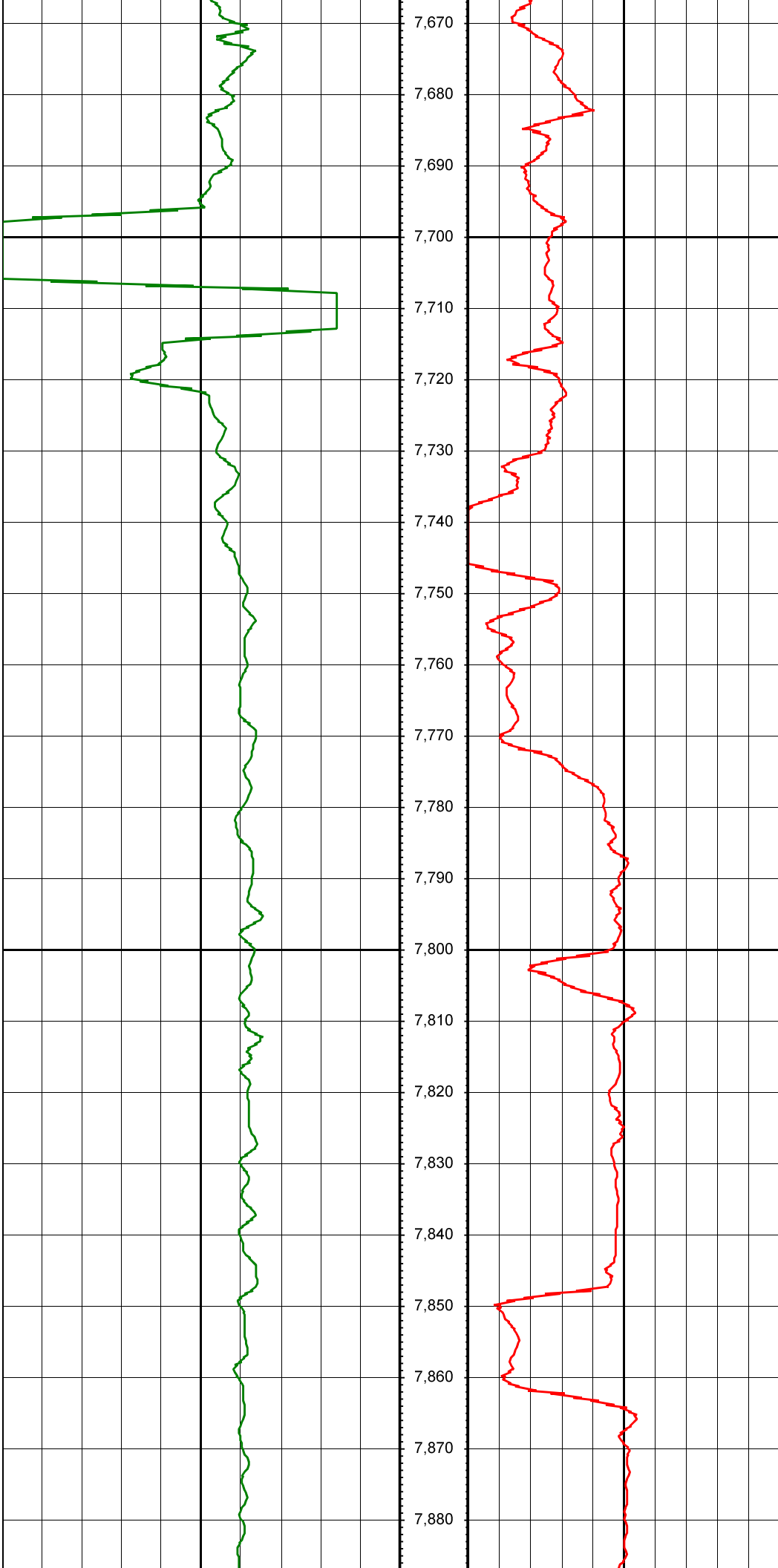










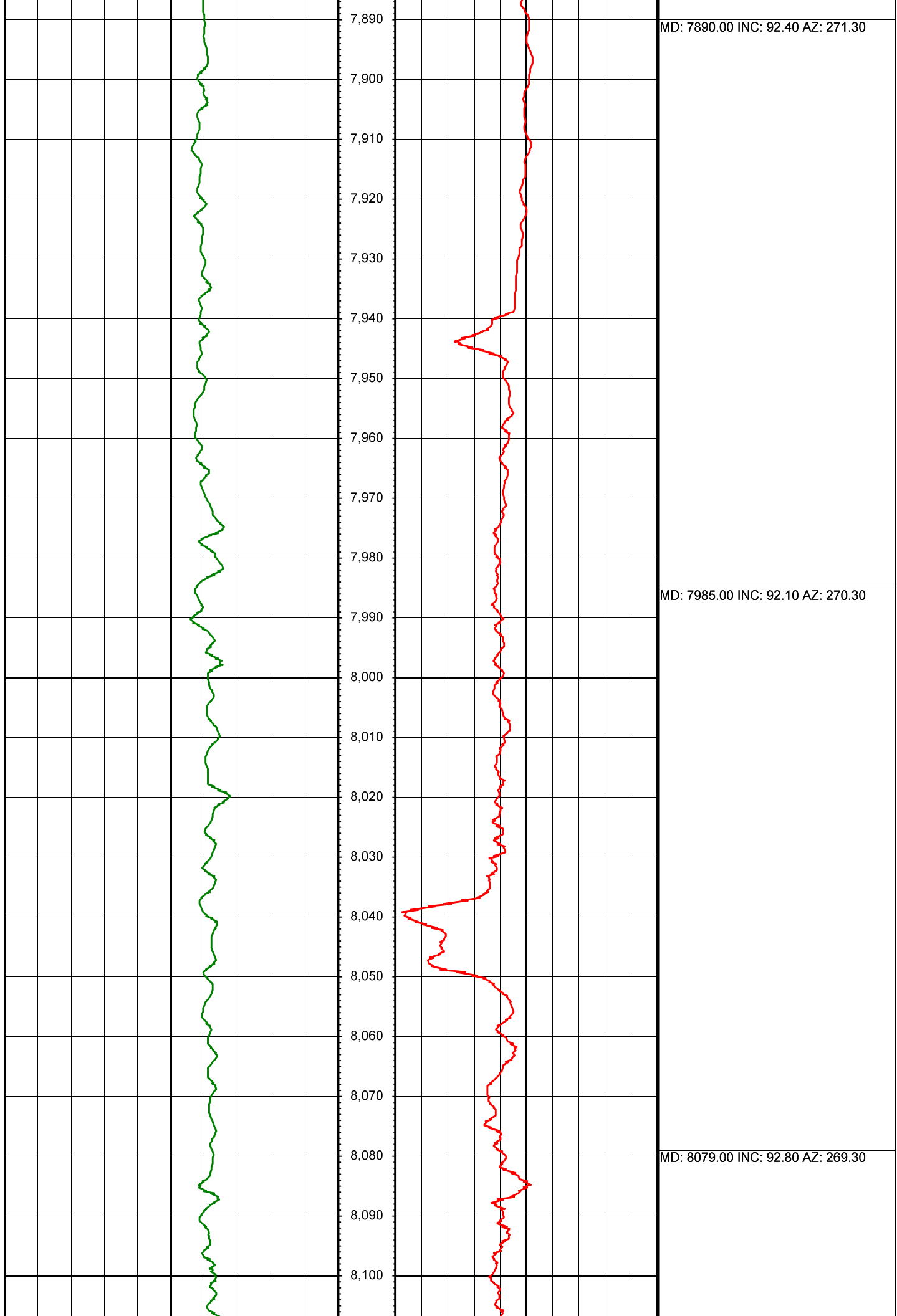


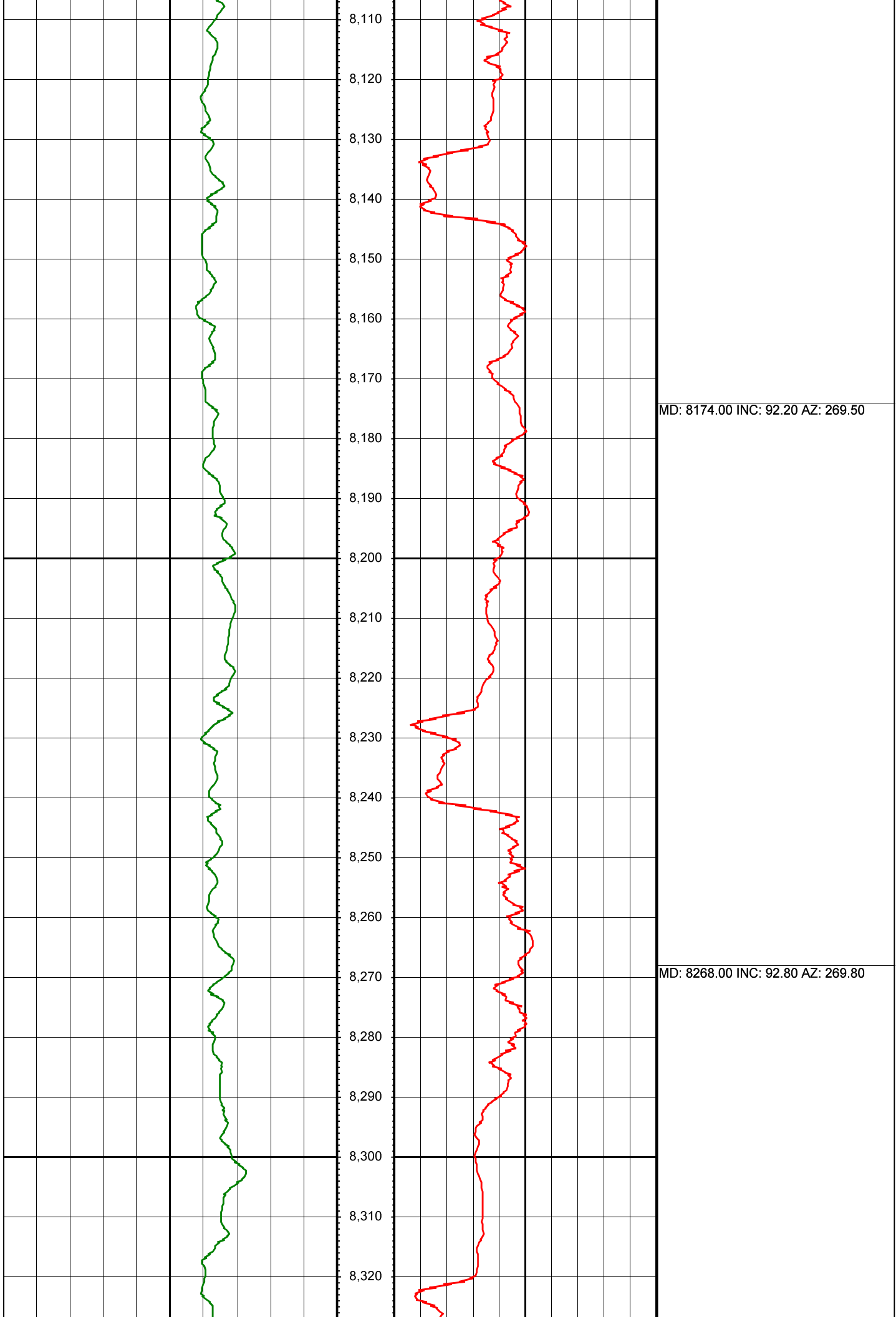
MD: 7678.00 INC: 81.90 AZ: 270.70

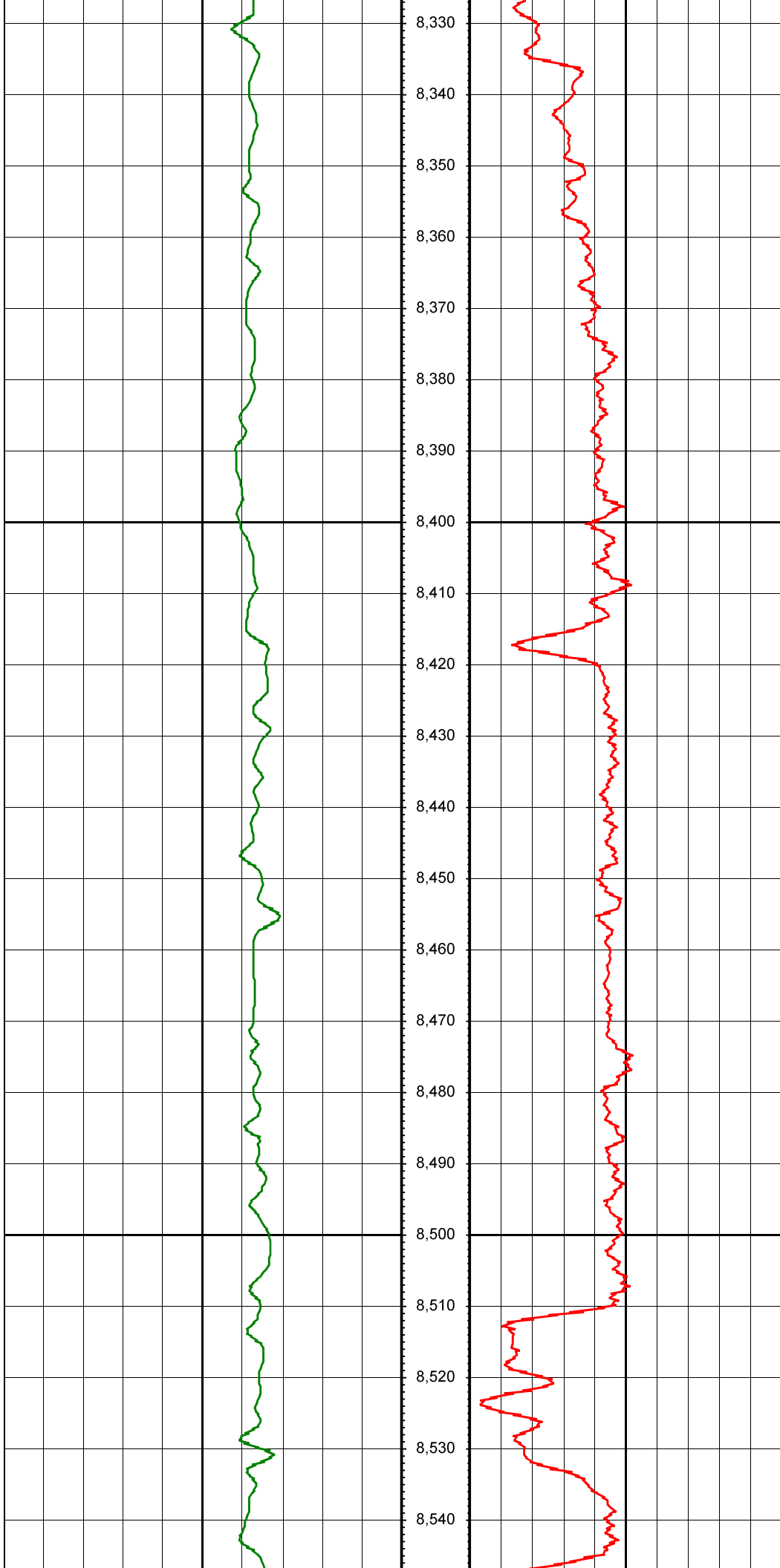
MD: 7683.00 INC: 82.30 AZ: 270.90

MD: 7747.00 INC: 89.00 AZ: 271.00

MD: 7795.00 INC: 90.90 AZ: 271.40

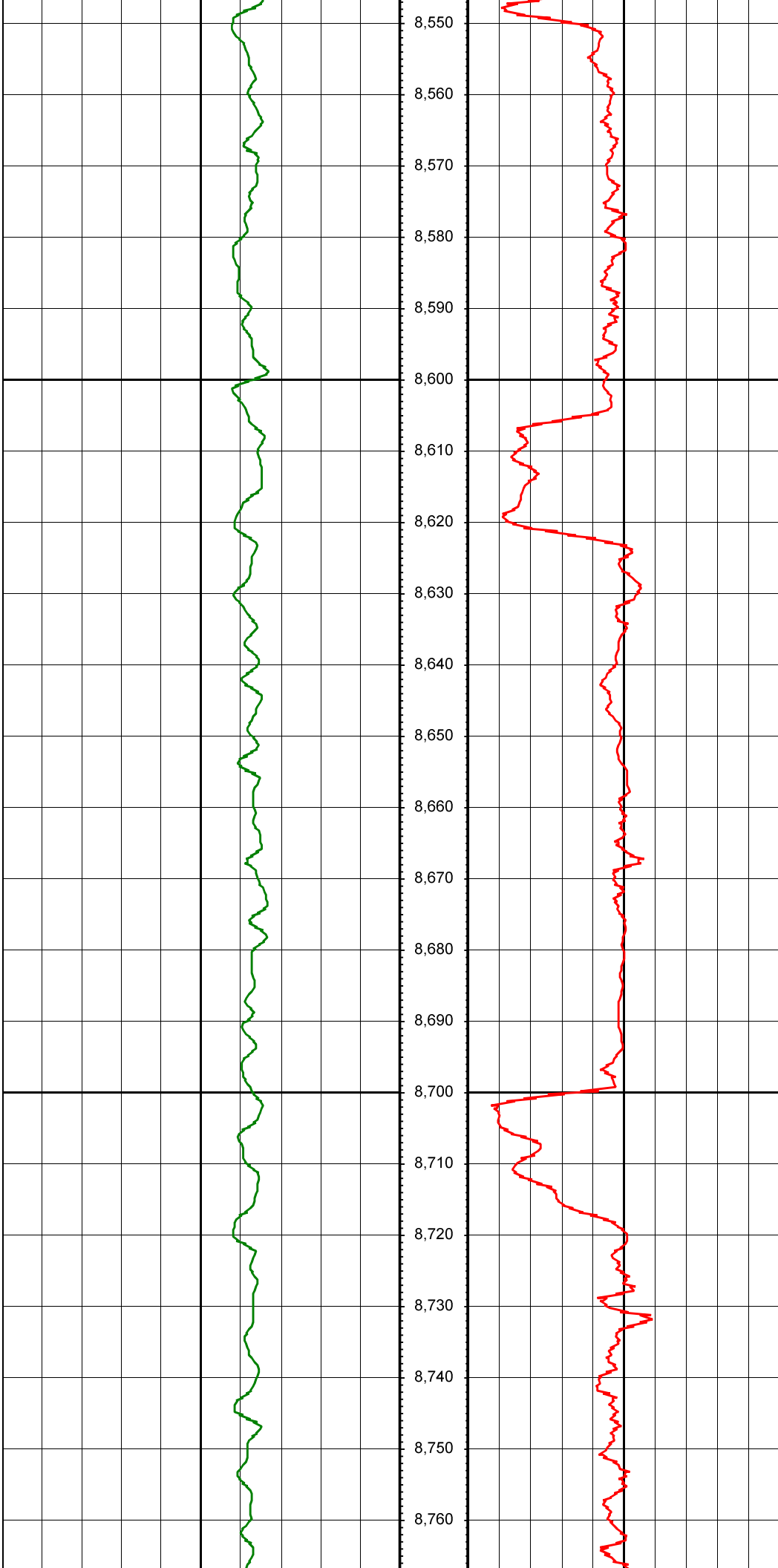






MD: 8363.00 INC: 92.70 AZ: 270.70

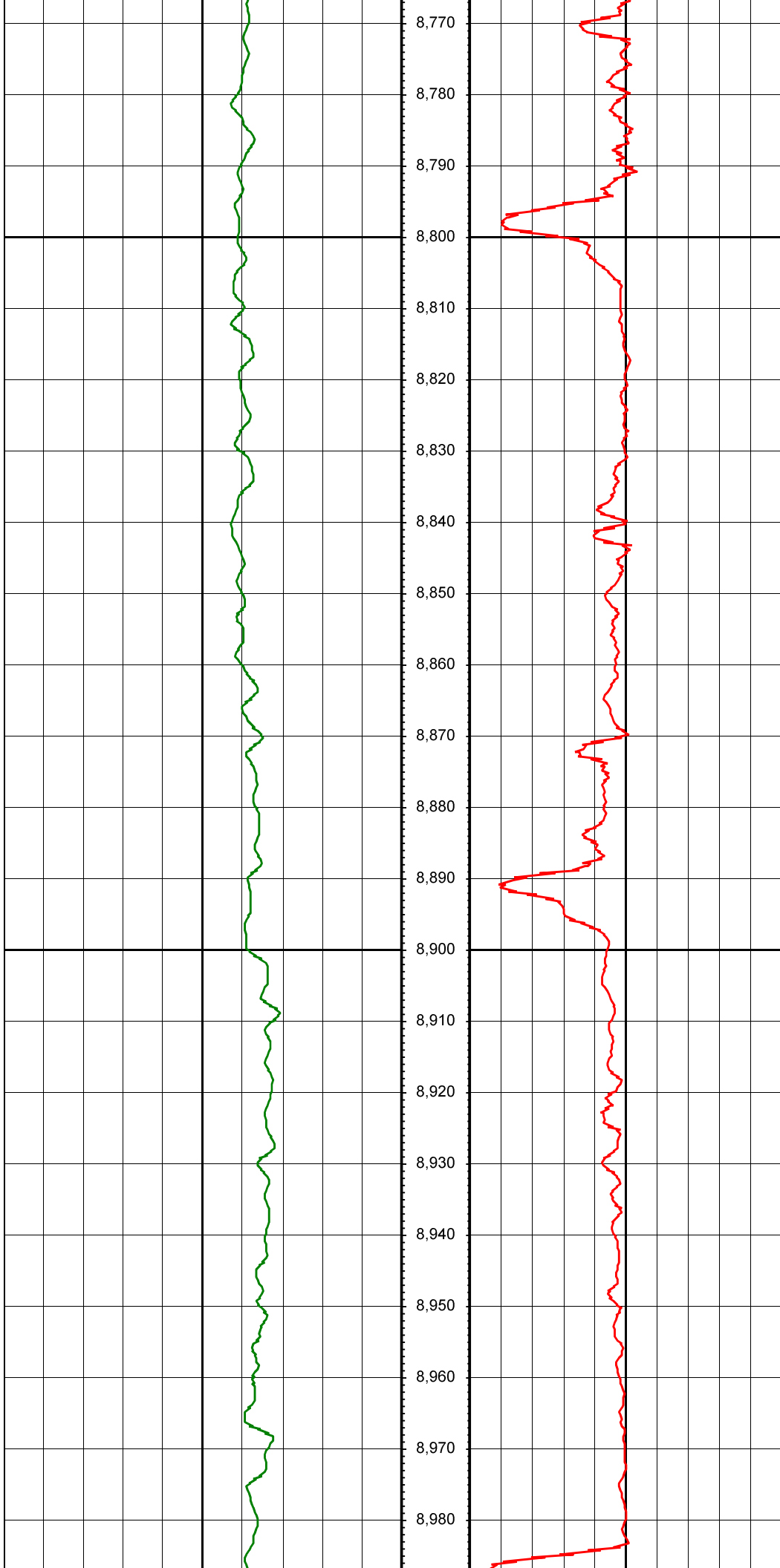
MD: 8458.00 INC: 92.90 AZ: 269.90



MD: 8553.00 INC: 93.00 AZ: 270.90

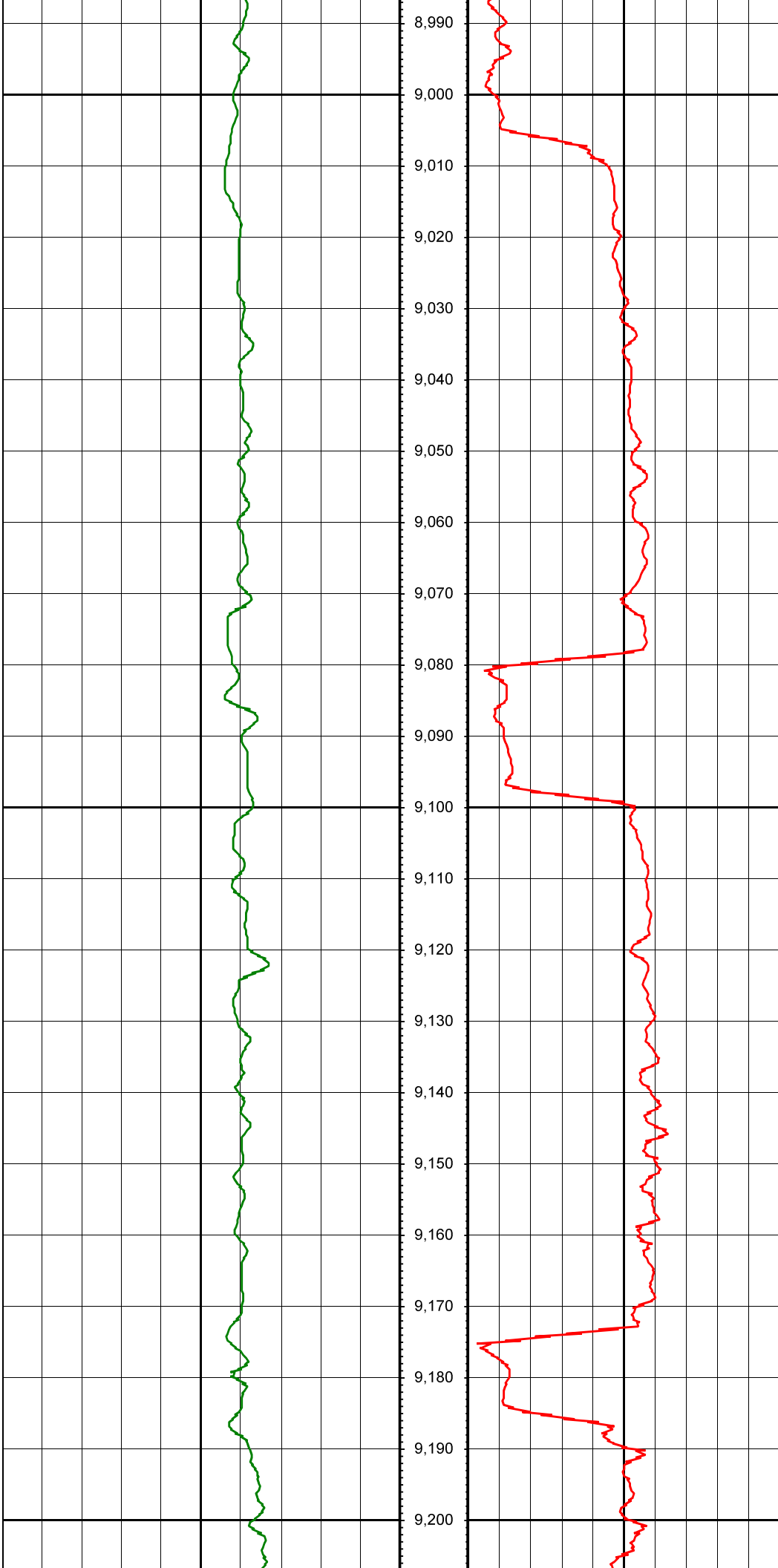
MD: 8647.00 INC: 91.30 AZ: 271.00

MD: 8742.00 INC: 92.50 AZ: 271.00



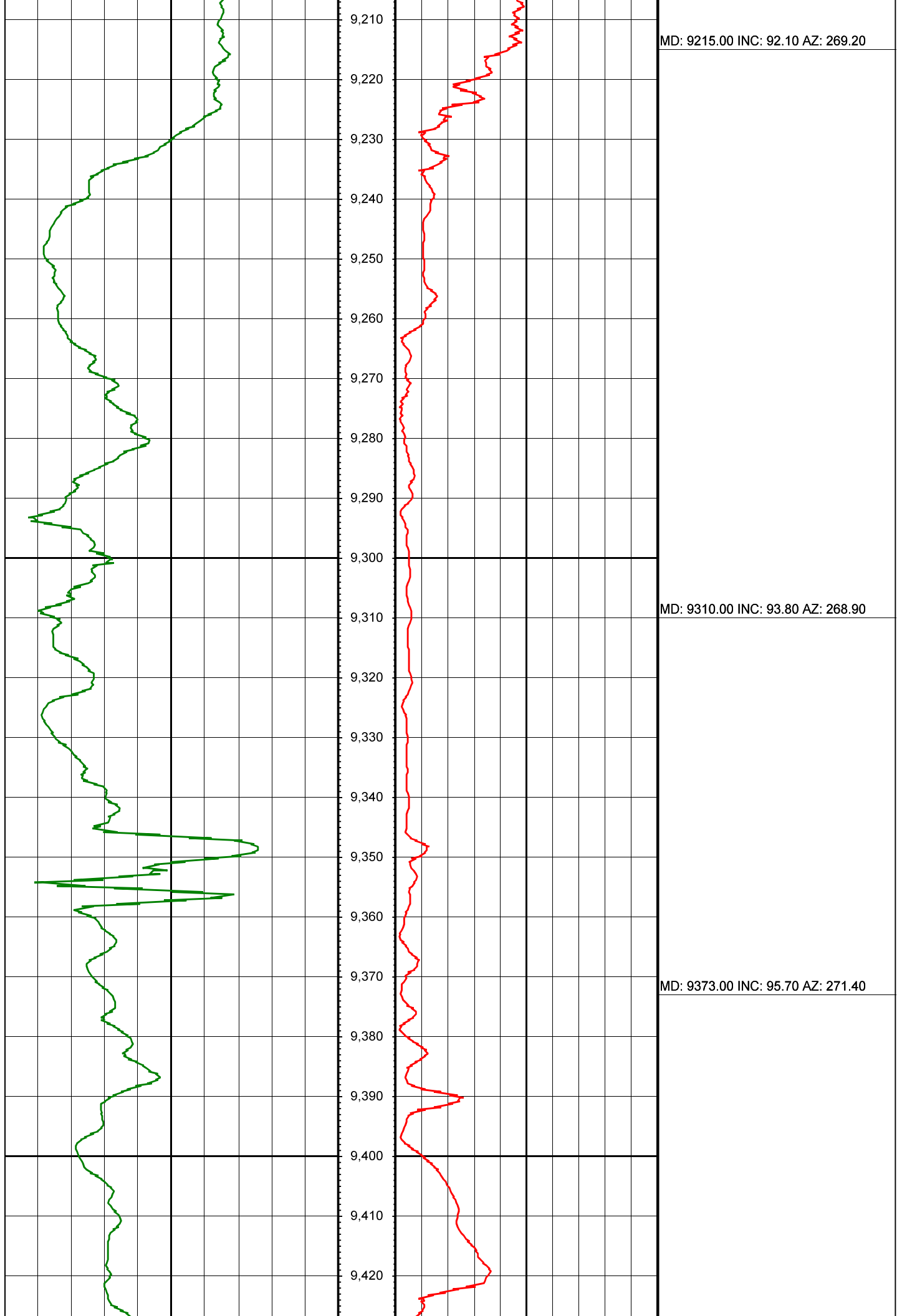
MD: 8837.00 INC: 92.30 AZ: 269.90

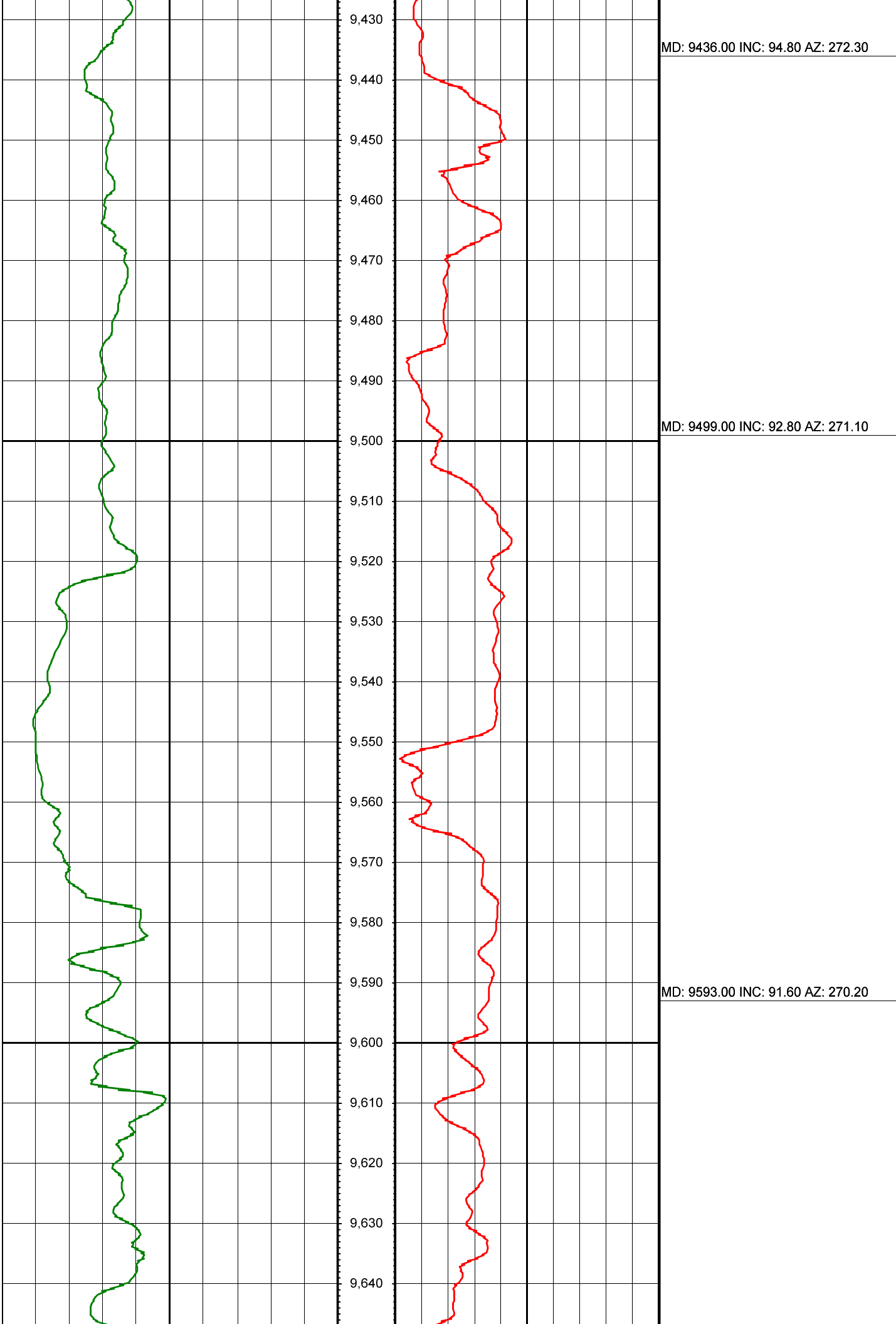
MD: 8931.00 INC: 91.00 AZ: 268.90

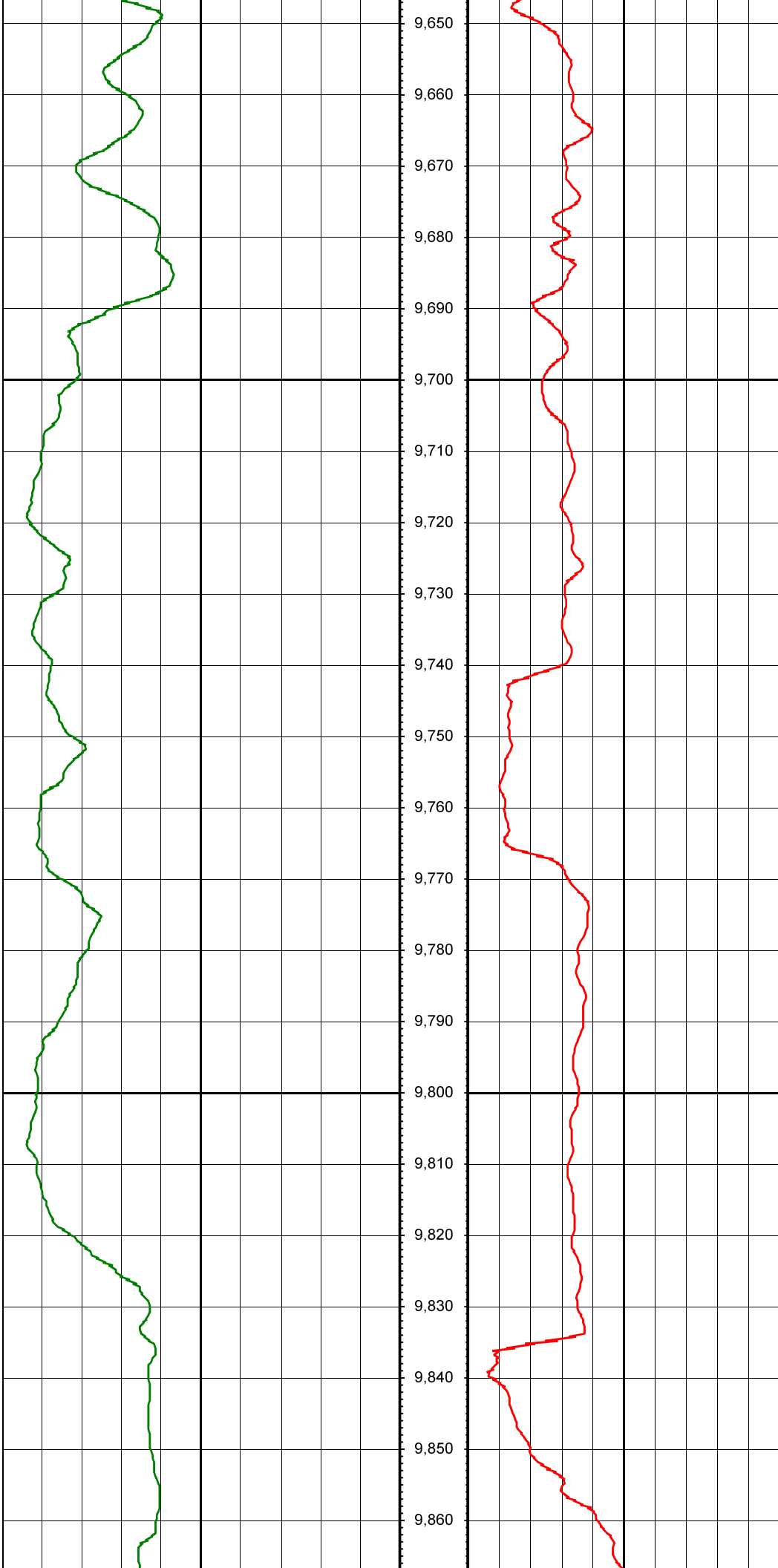


MD: 9026.00 INC: 91.30 AZ: 268.70

MD: 9121.00 INC: 92.70 AZ: 268.60

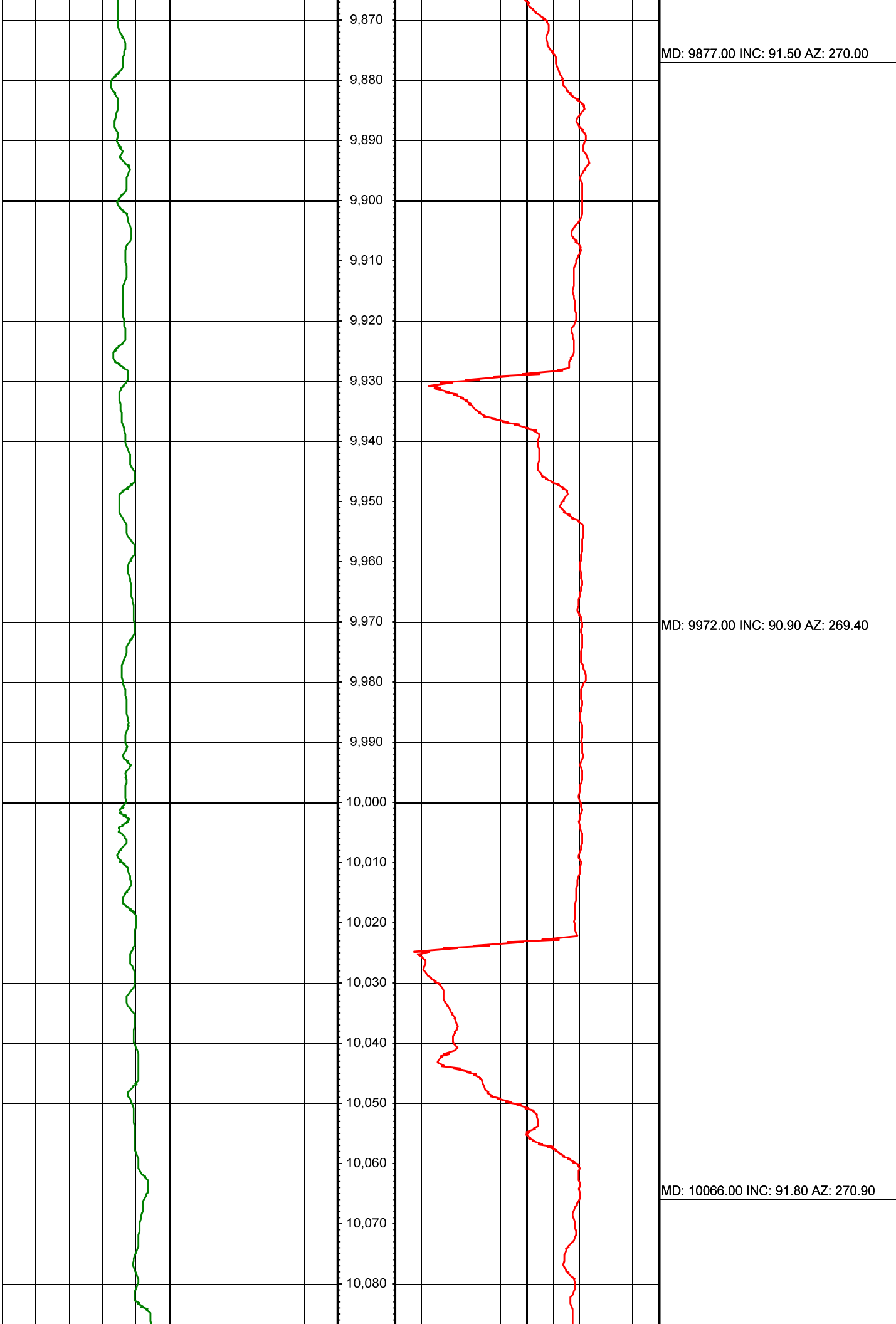


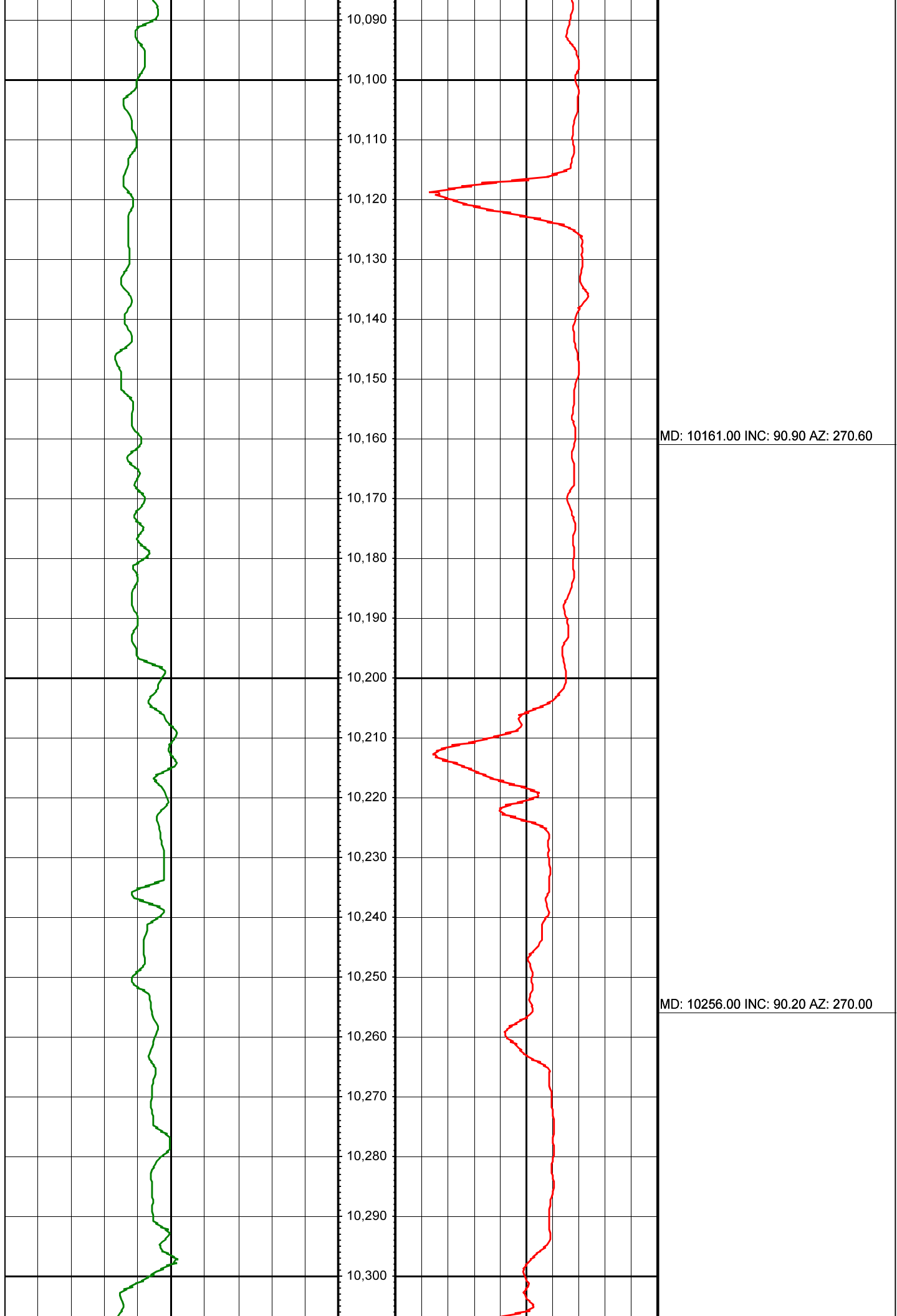


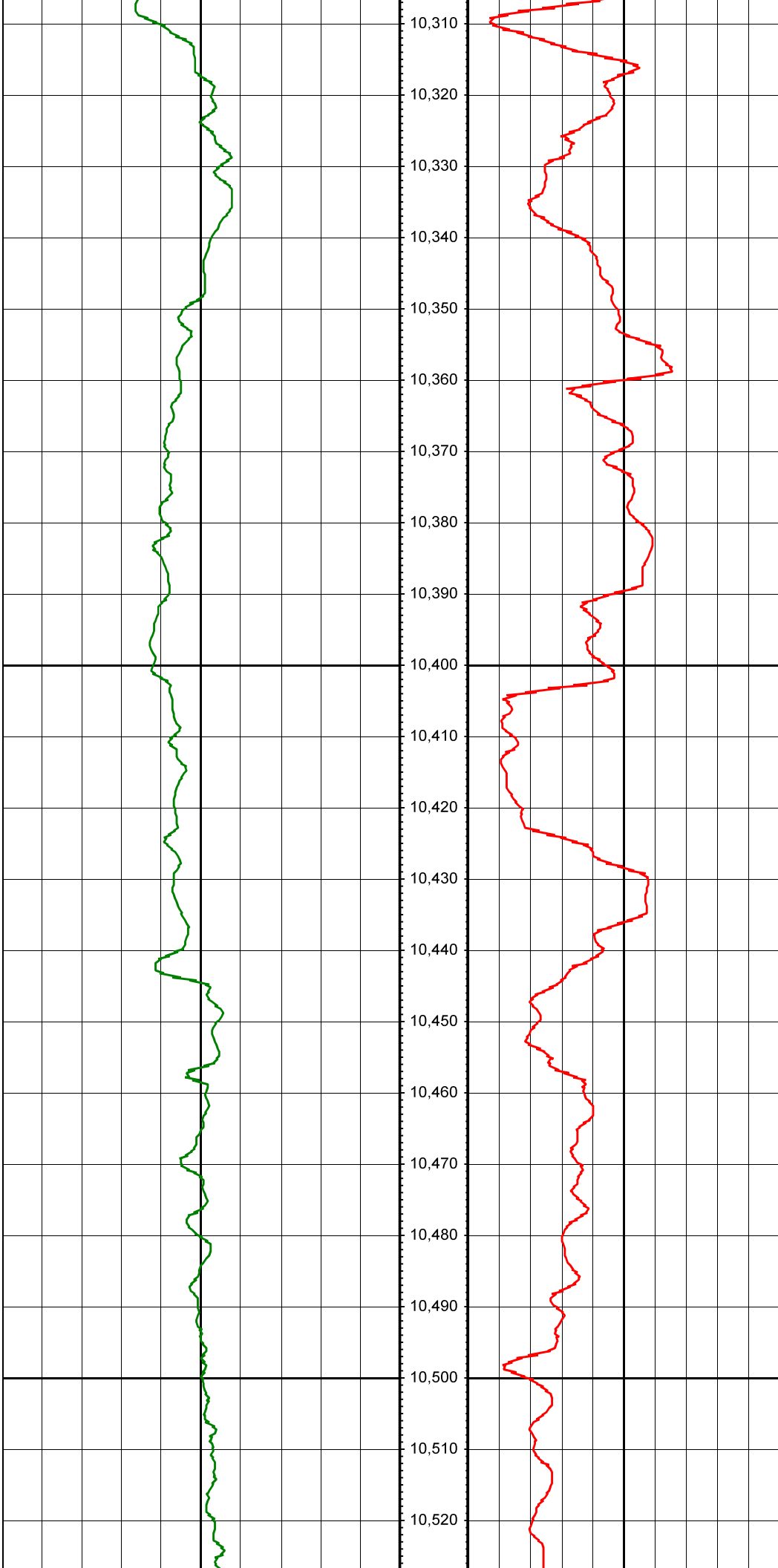


MD: 9688.00 INC: 89.80 AZ: 270.00

MD: 9783.00 INC: 91.00 AZ: 270.20

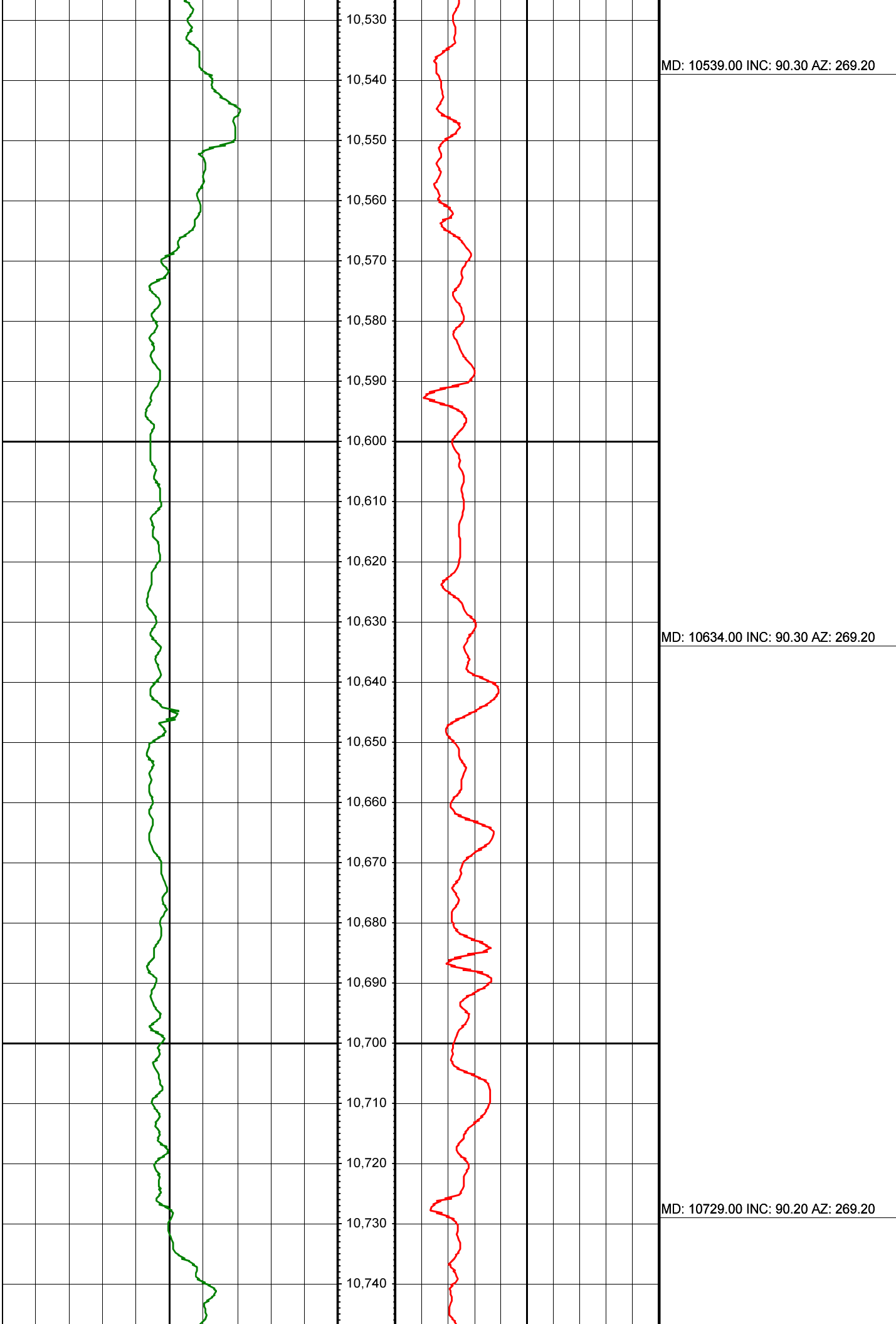


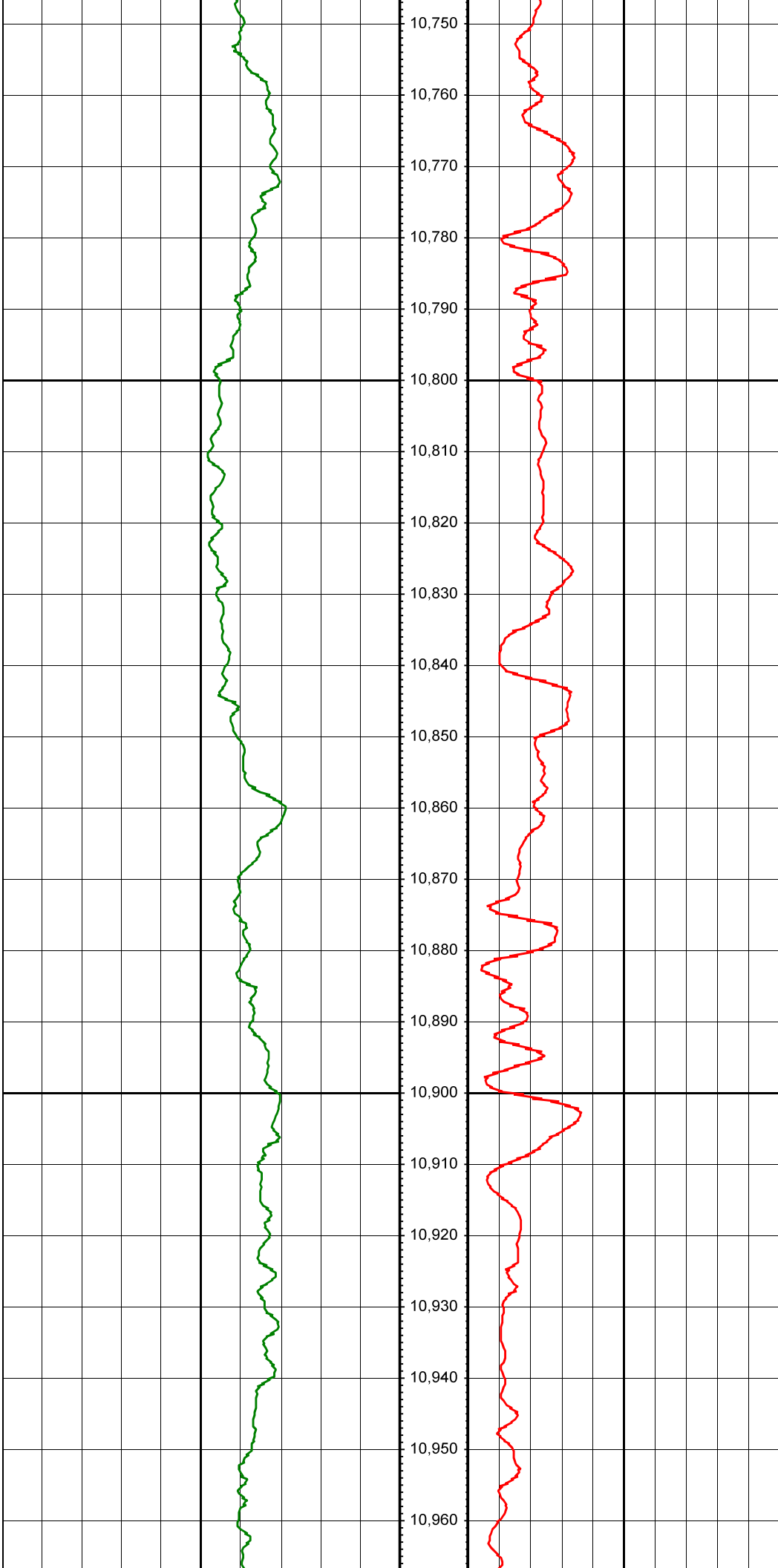




MD: 10350.00 INC: 89.20 AZ: 269.20

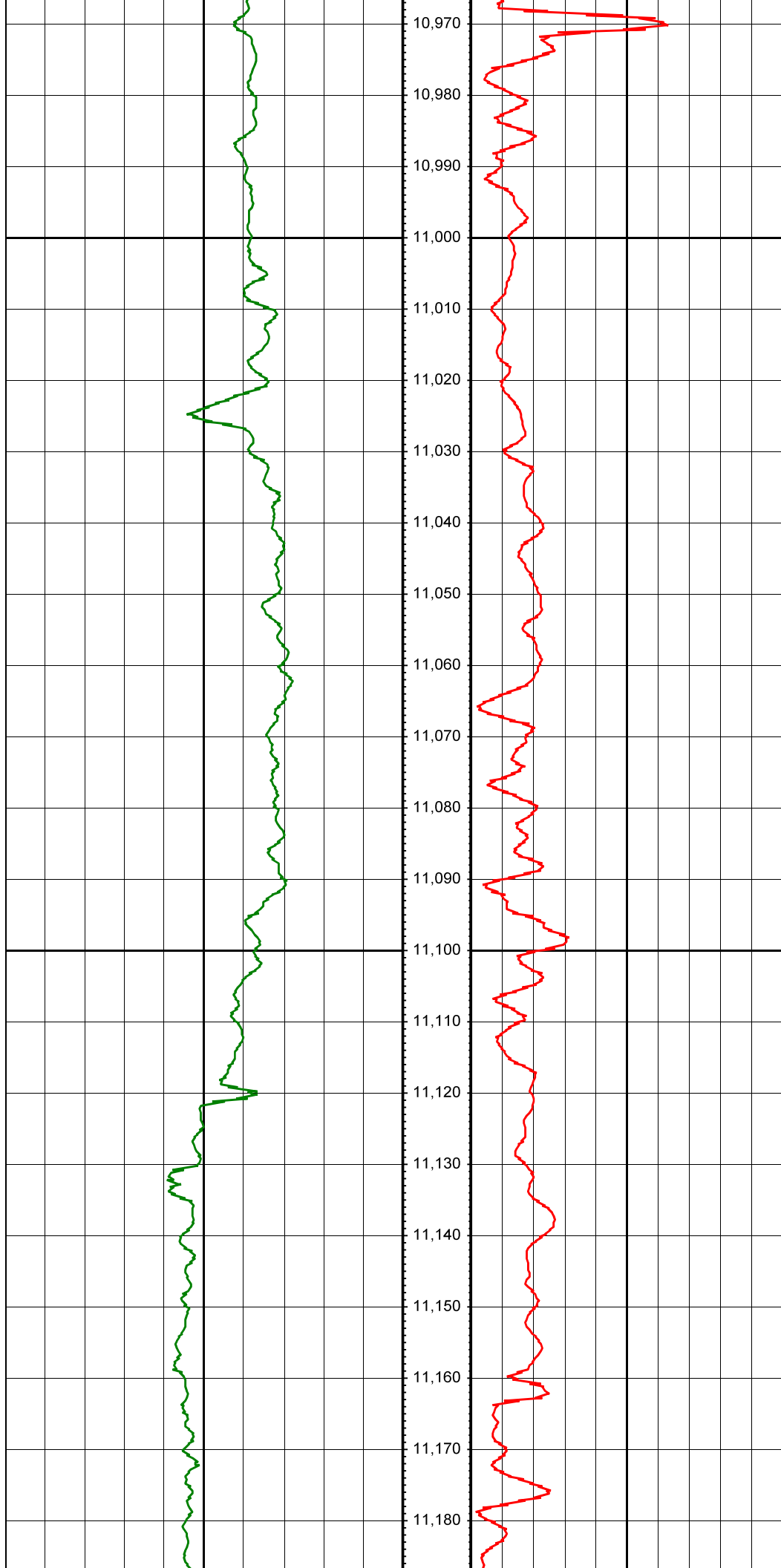
MD: 10445.00 INC: 90.10 AZ: 270.30





MD: 10823.00 INC: 90.50 AZ: 269.90

MD: 10918.00 INC: 91.90 AZ: 267.20



MD: 11012.00 INC: 92.90 AZ: 266.10

MD: 11107.00 INC: 91.30 AZ: 266.00

