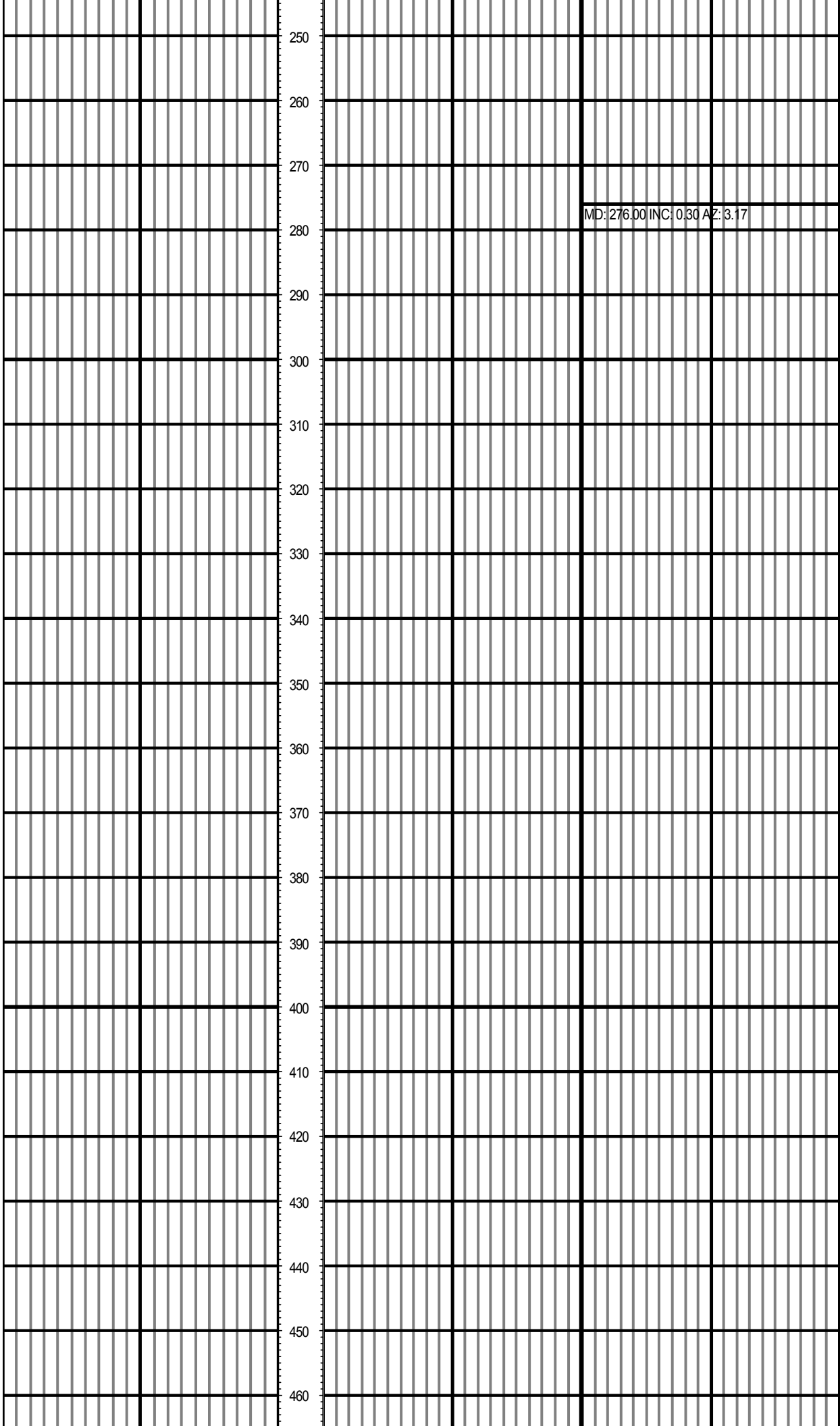
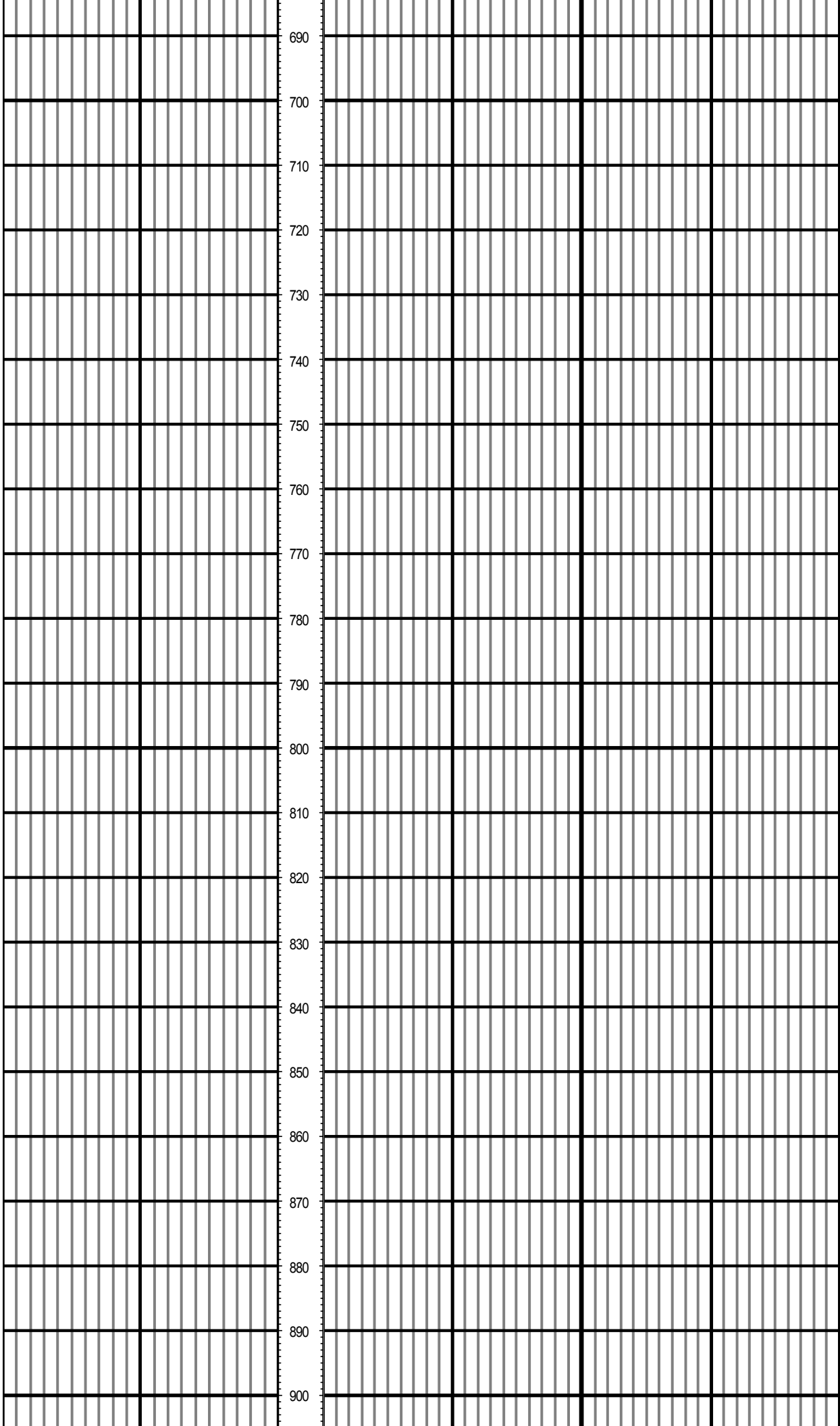


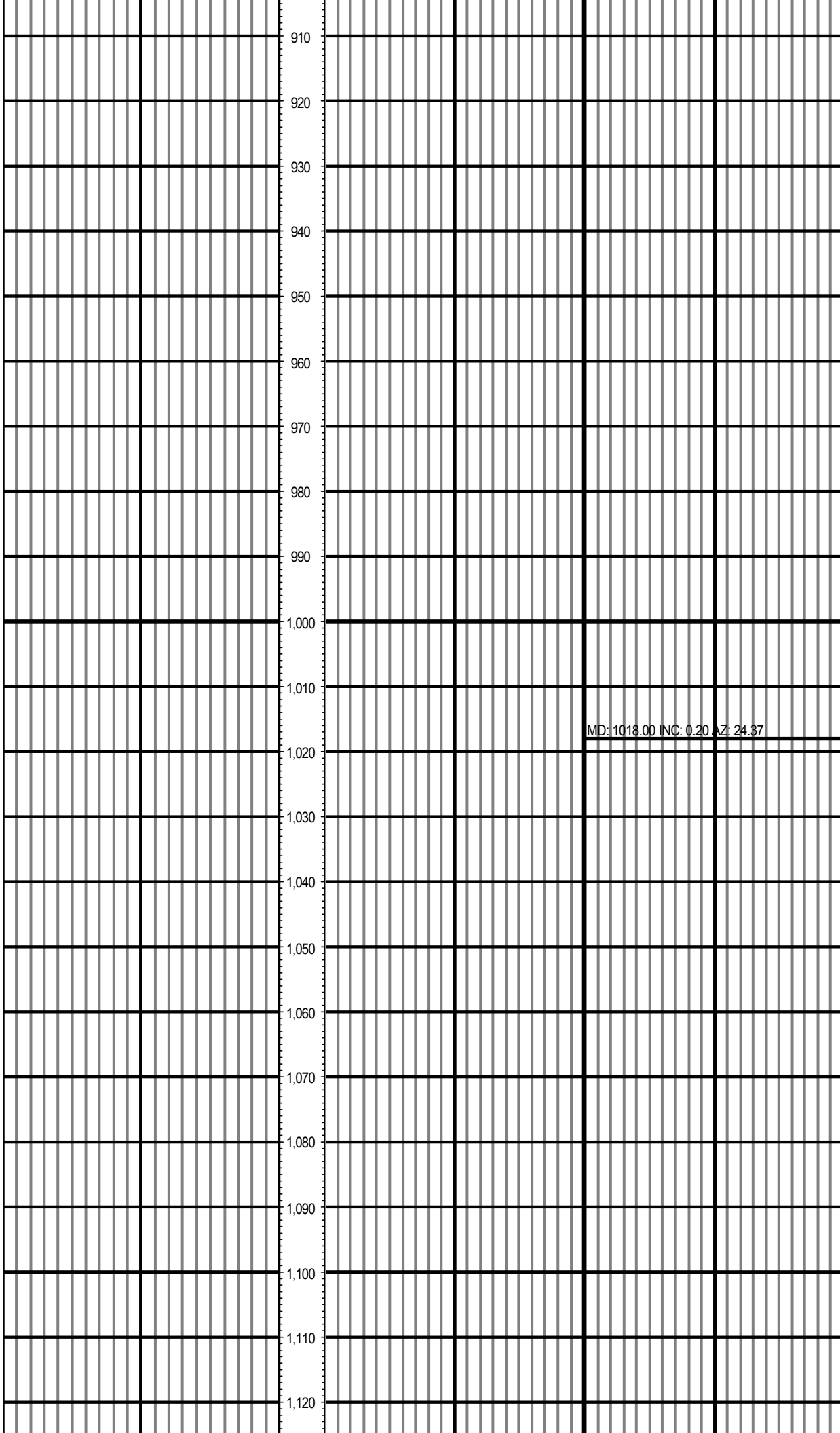


[illegible]



		470				
		480				
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		500				
		510				
		520				
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		540				
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		560				
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		580				
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		610				
		620				
		630				
		640			MD: 644.00 INC: 0.60 AZ: 299.37	
		650				
		660				
		670				
		680				





910

920

930

940

950

960

970

980

990

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1,010

MD: 1018.00 INC: 0.20 AZ: 24.37

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1,030

1,040

1,050

1,060

1,070

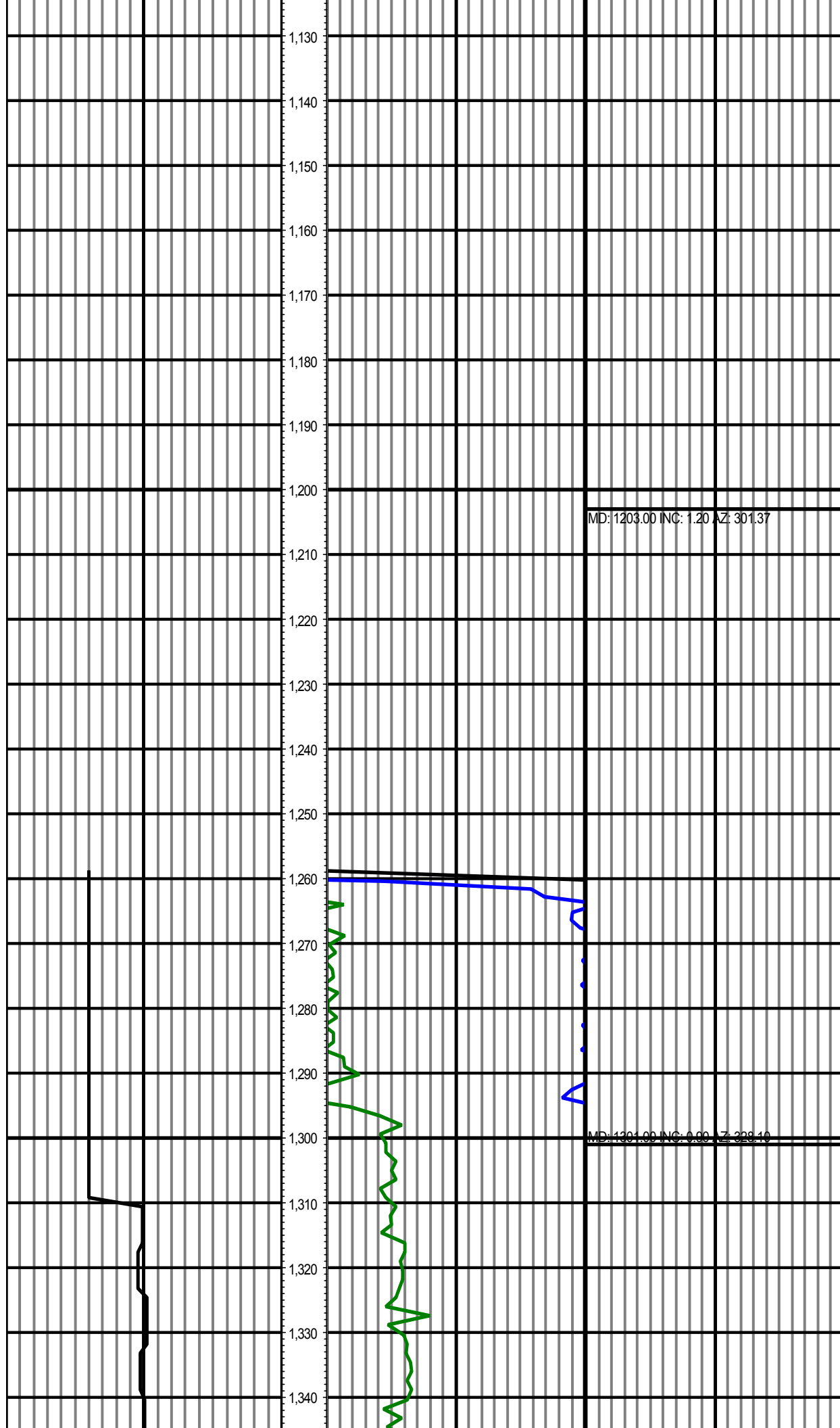
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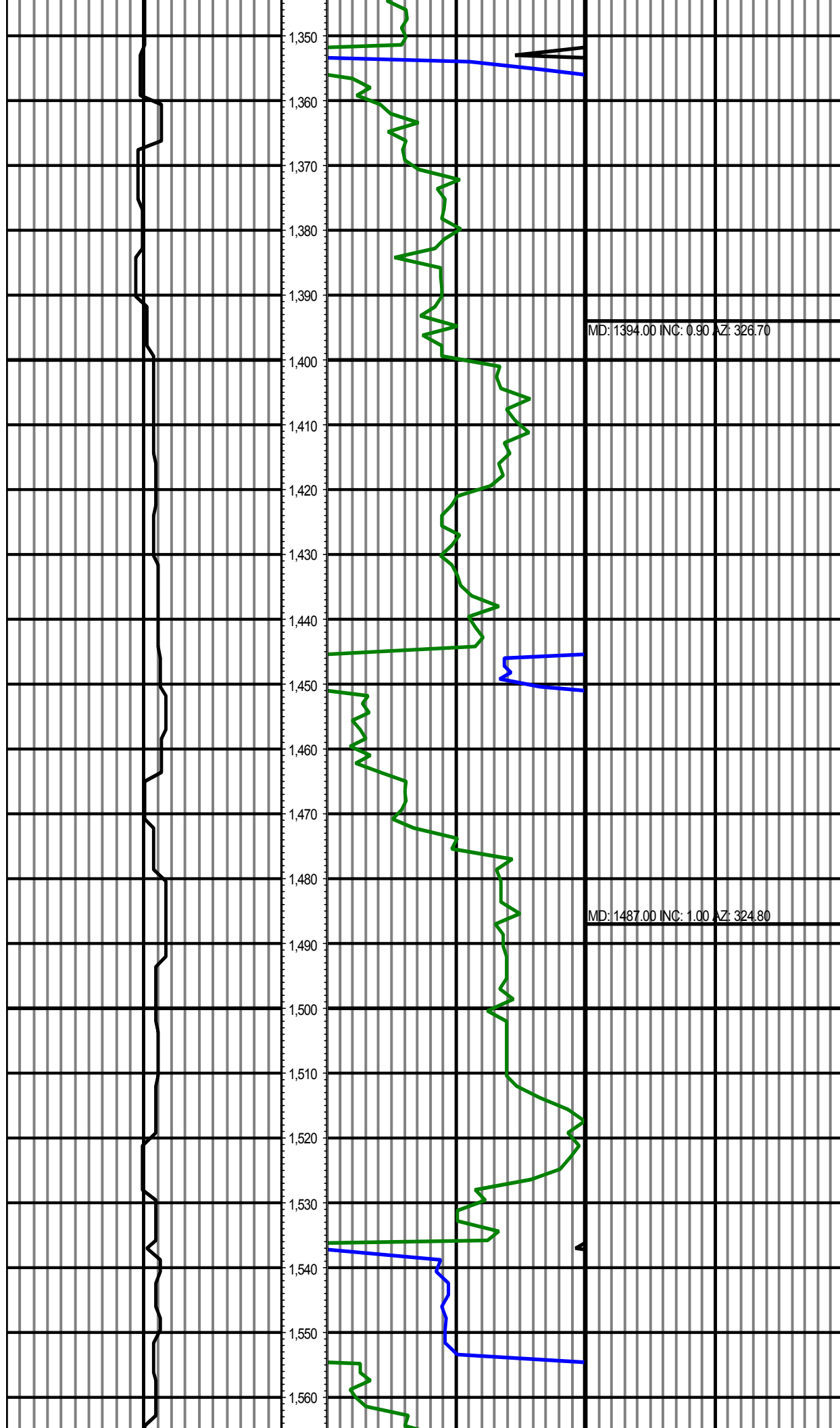
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1,100

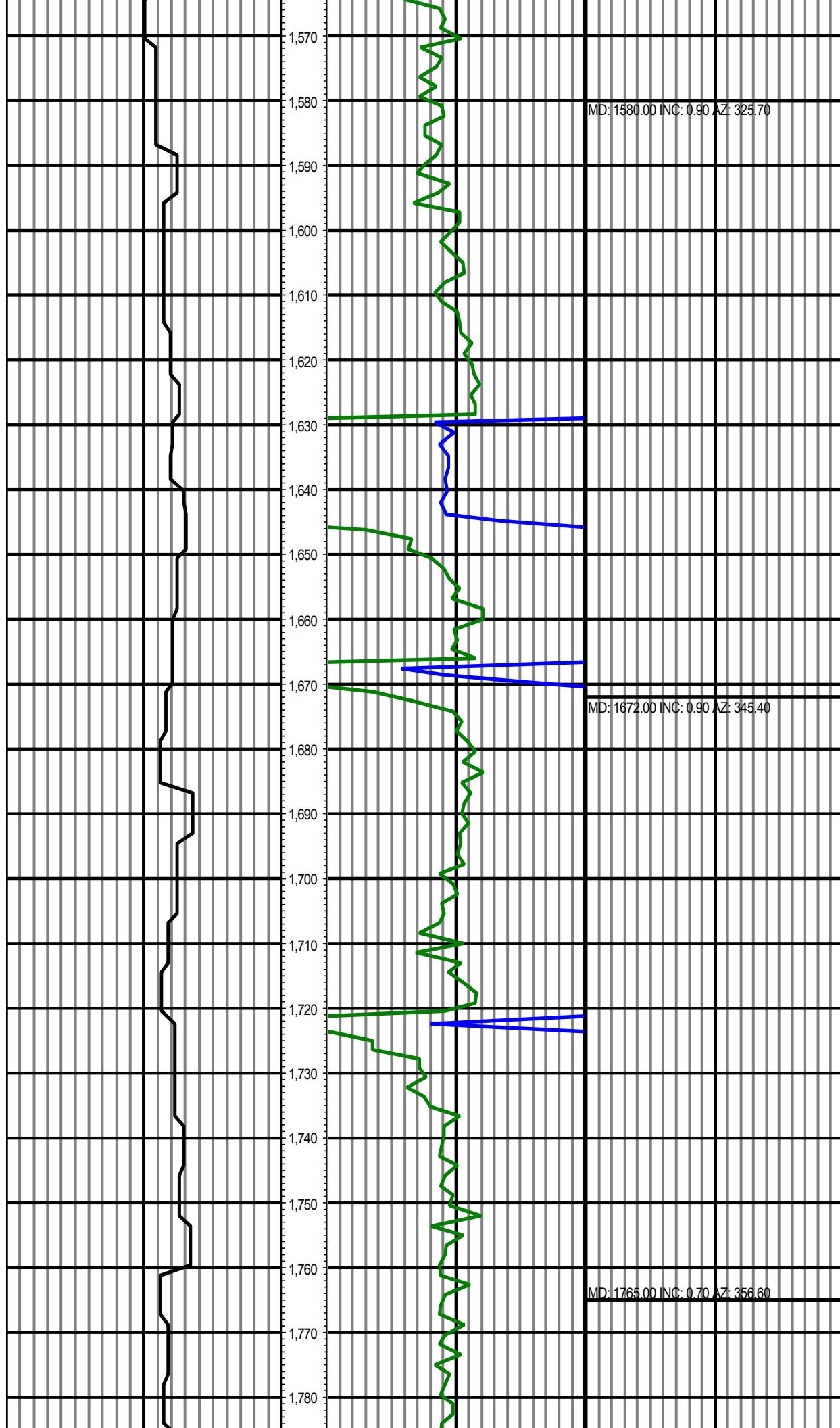
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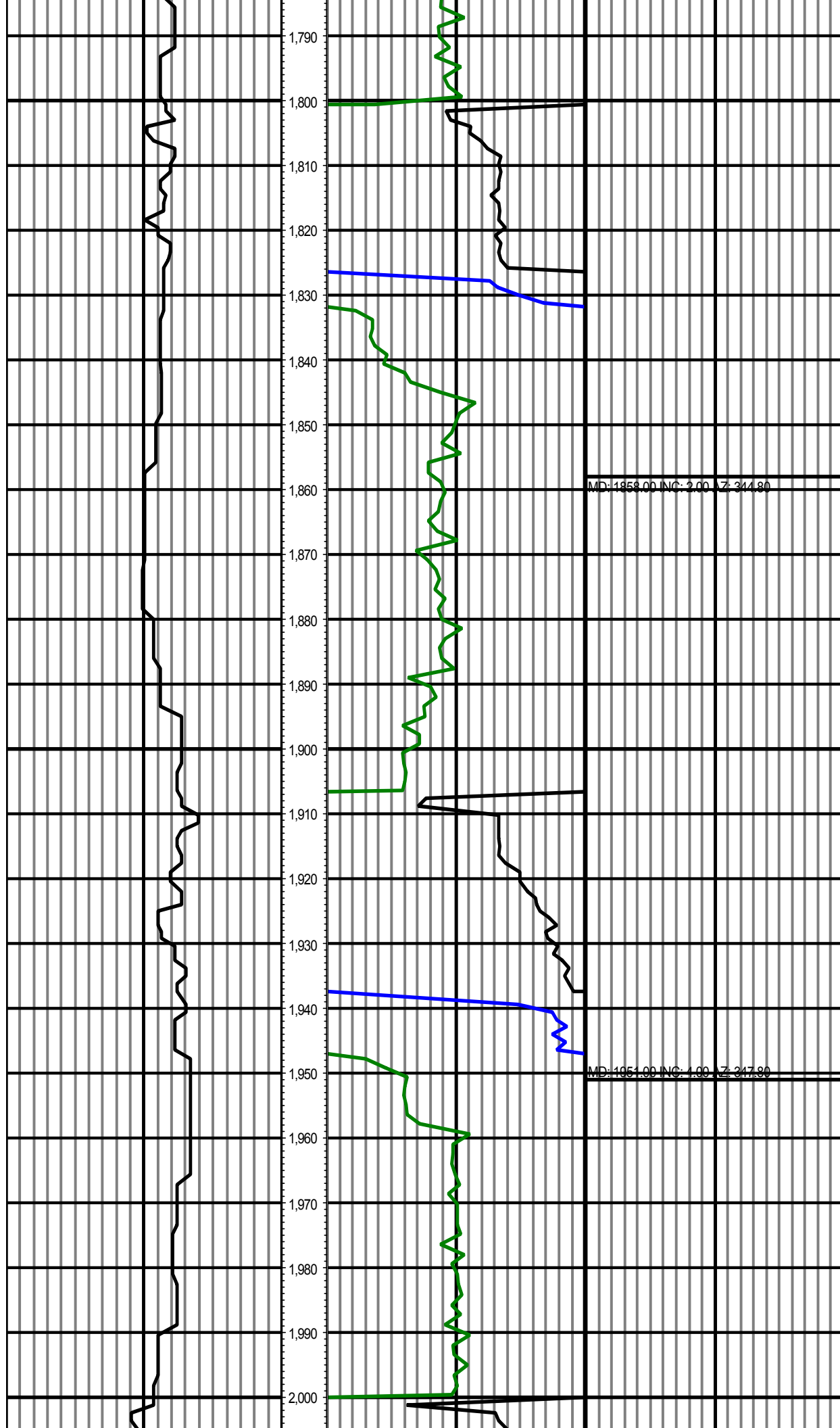
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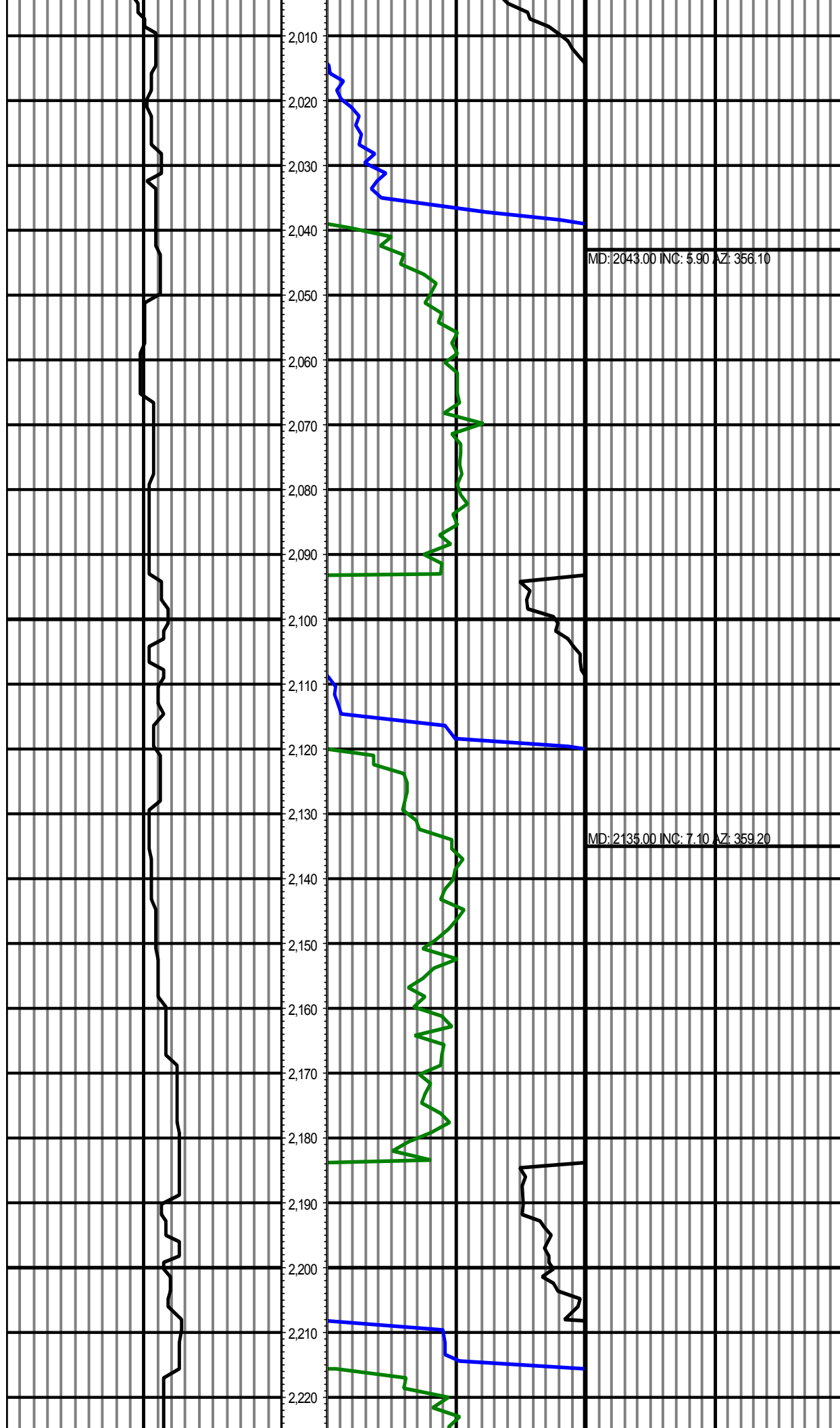


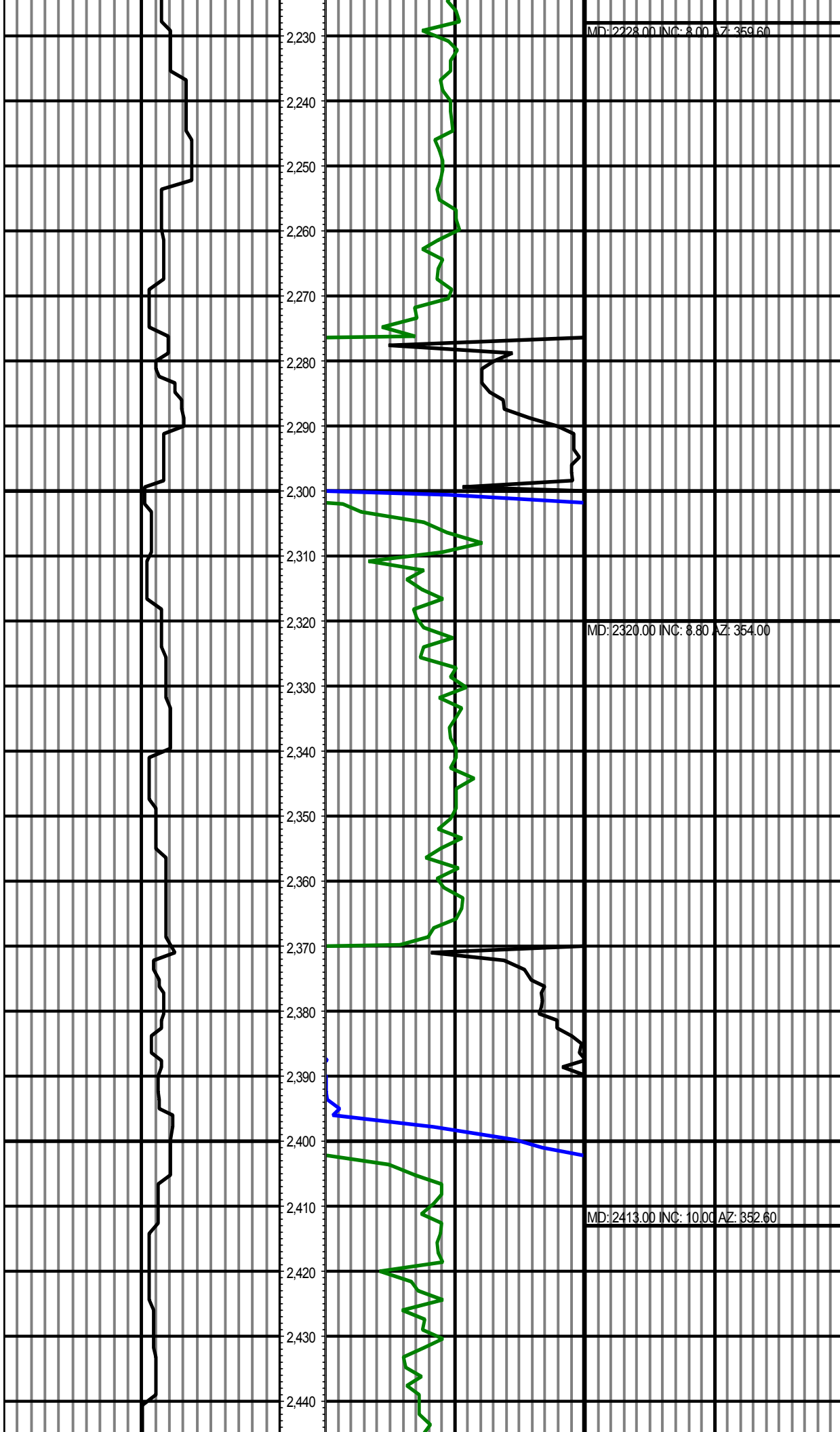


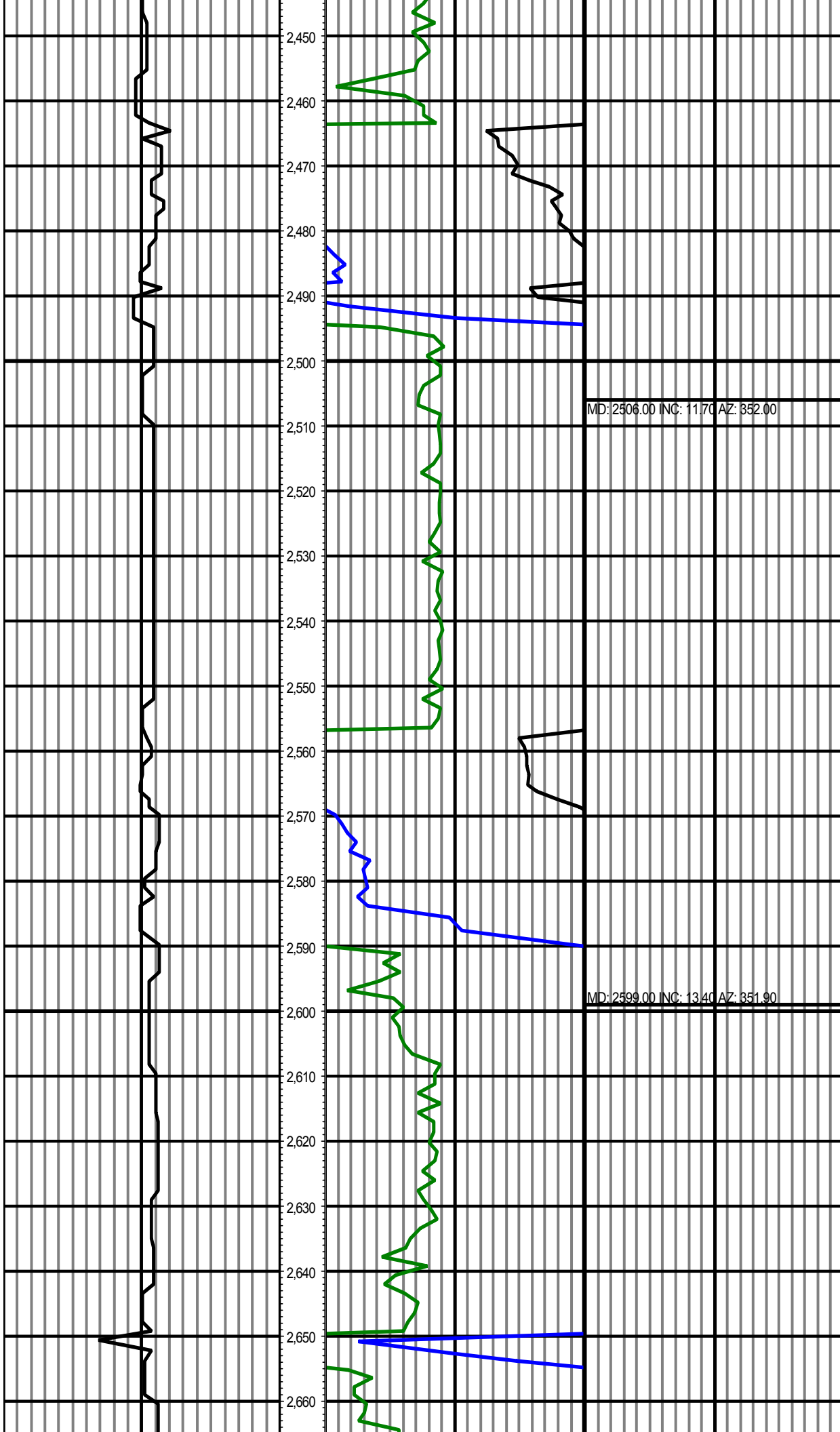


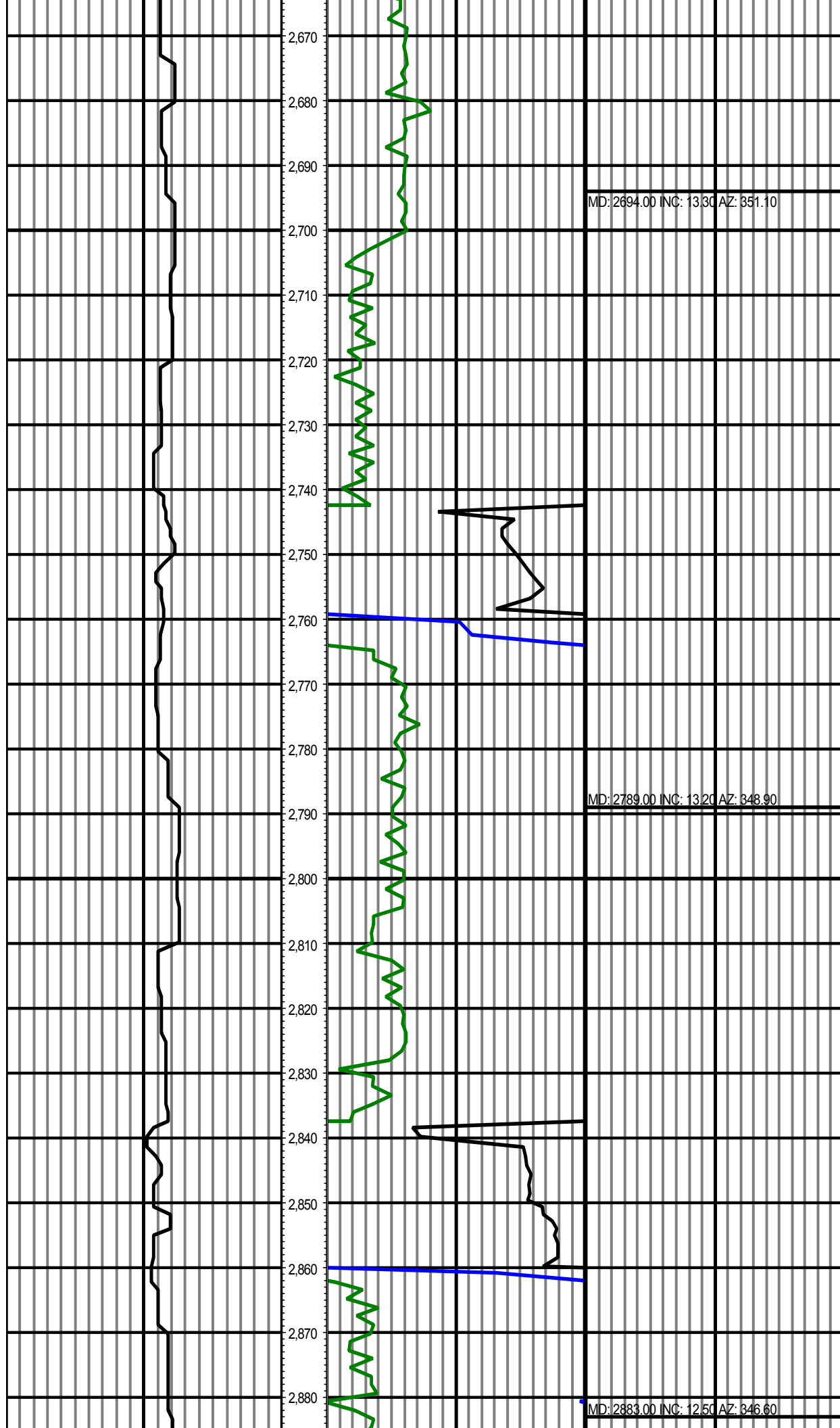


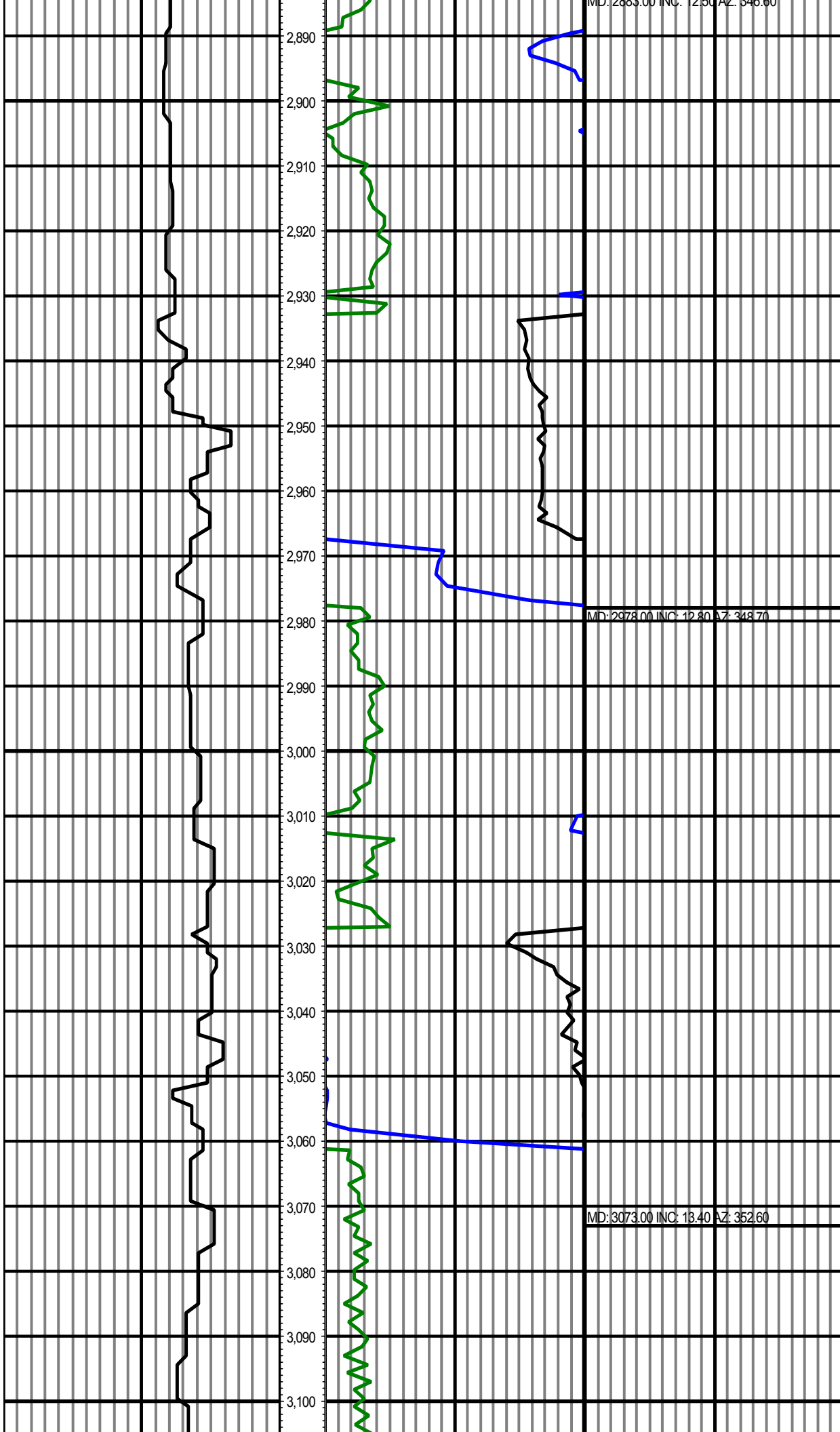


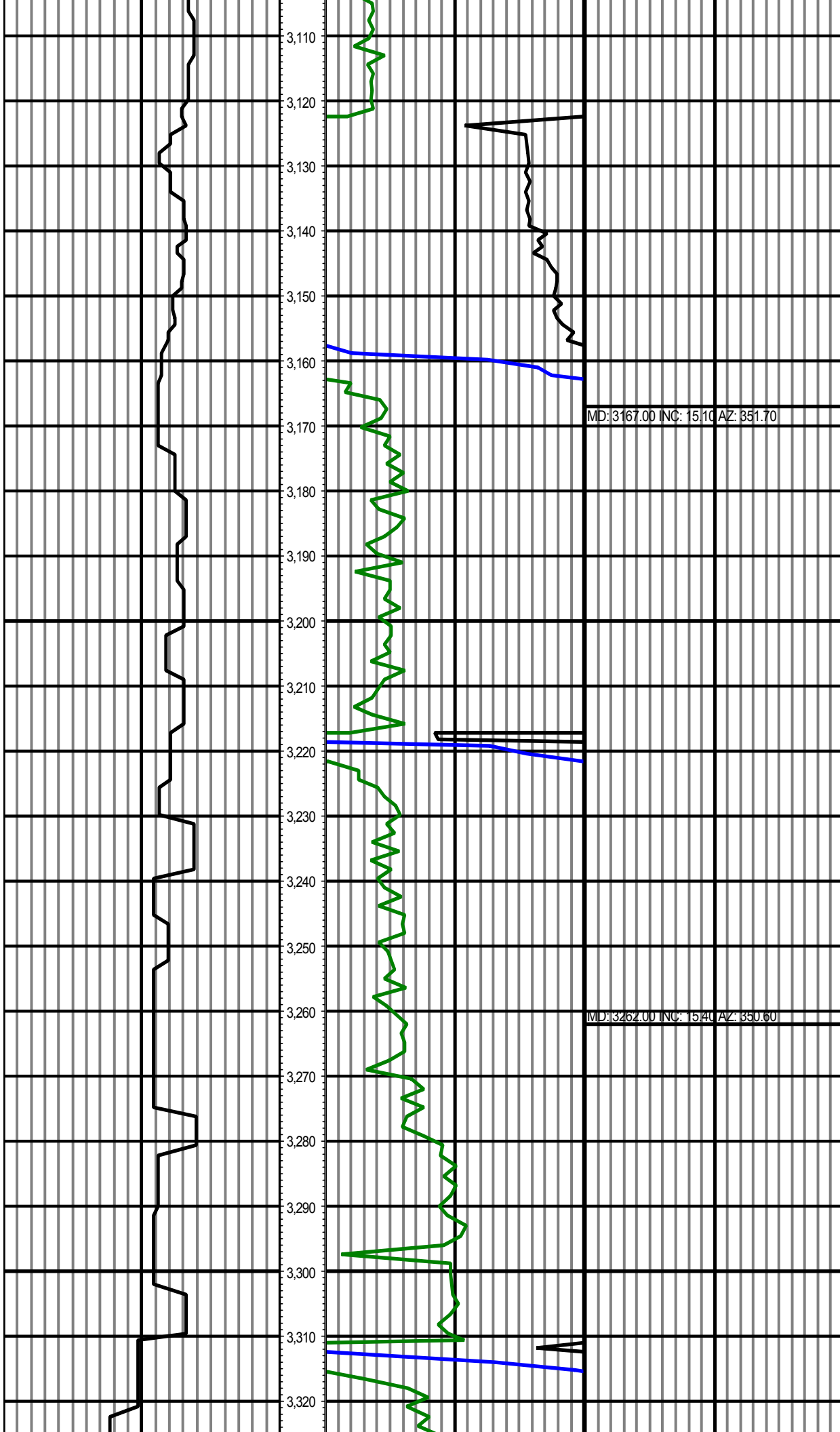




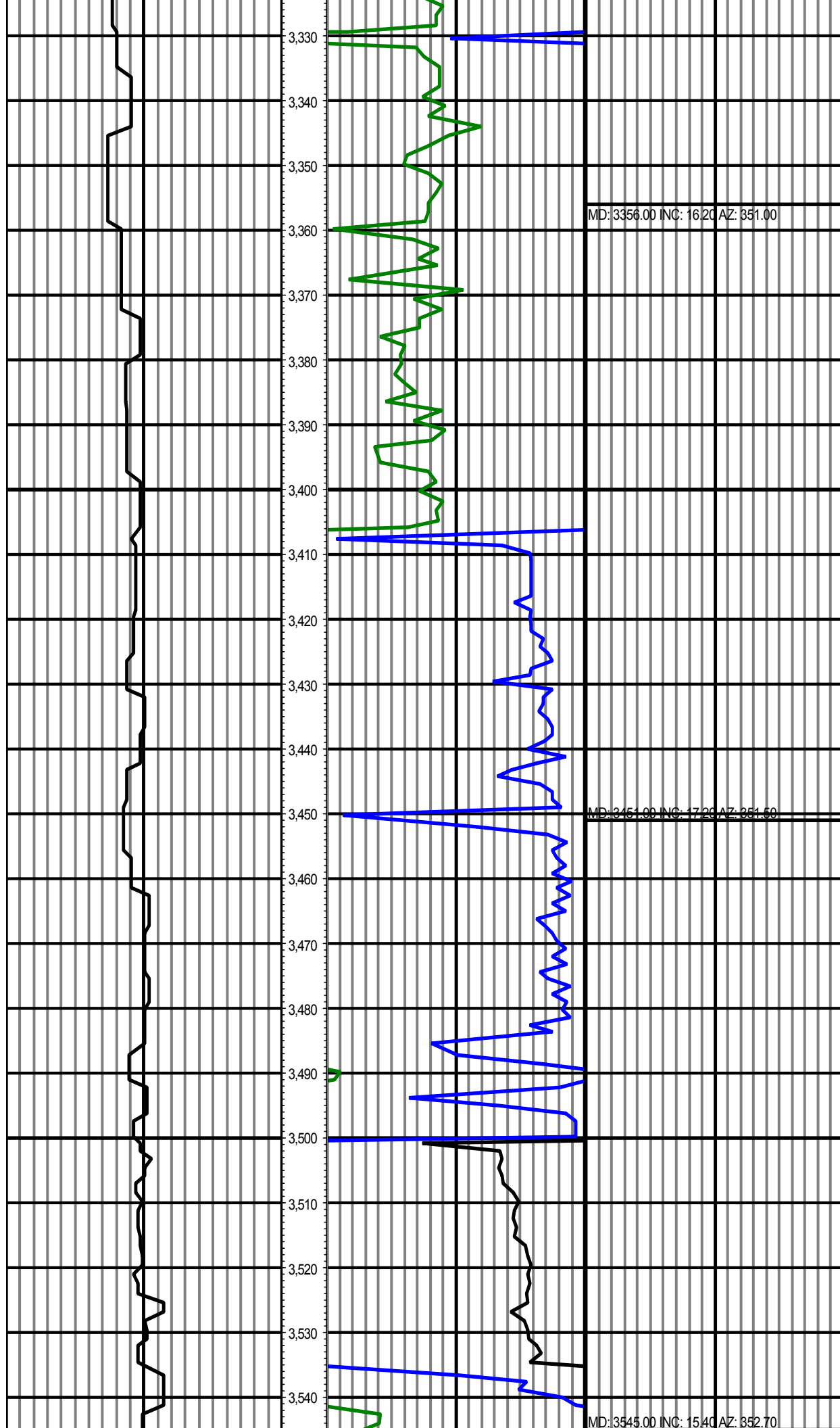


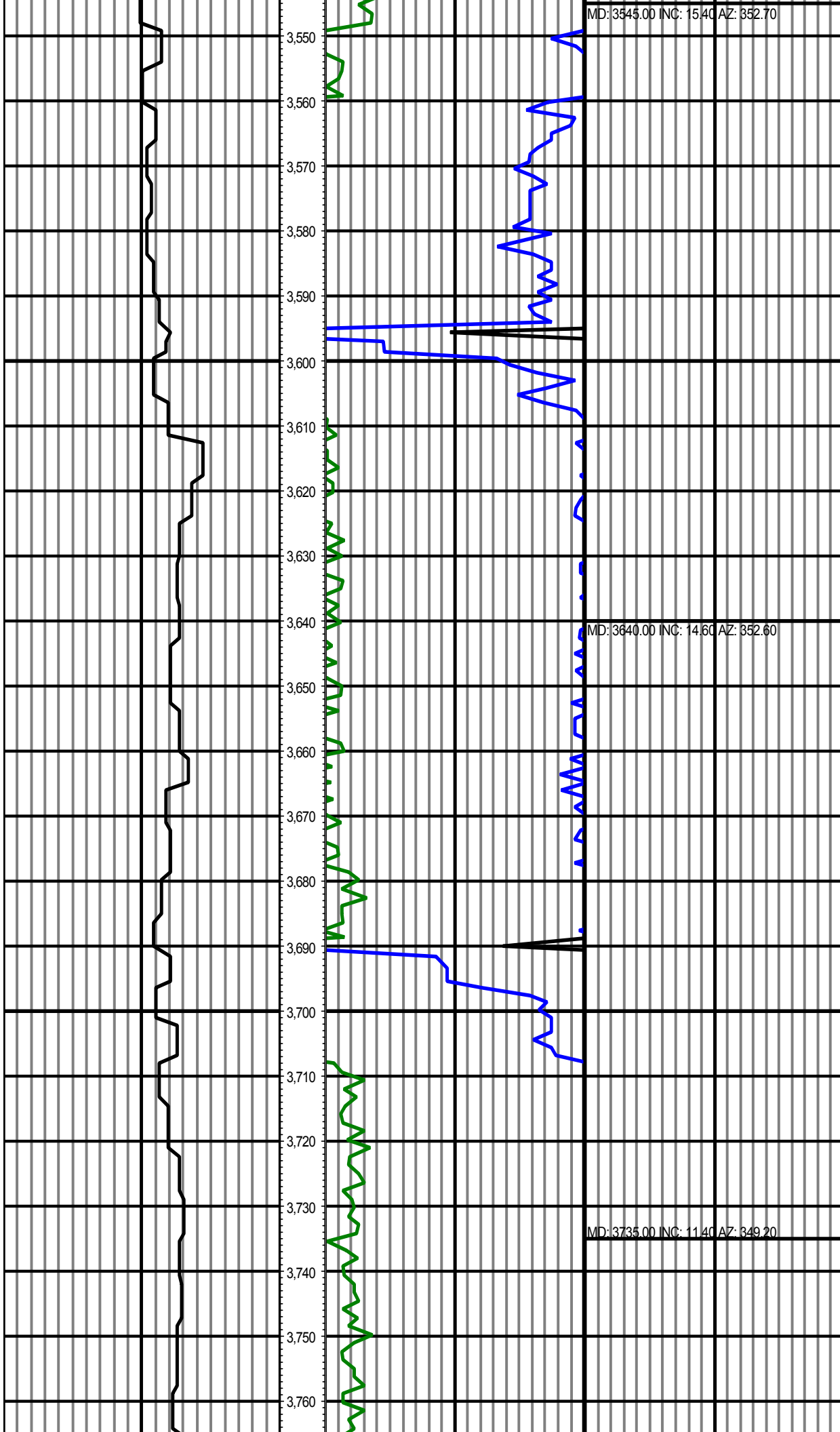


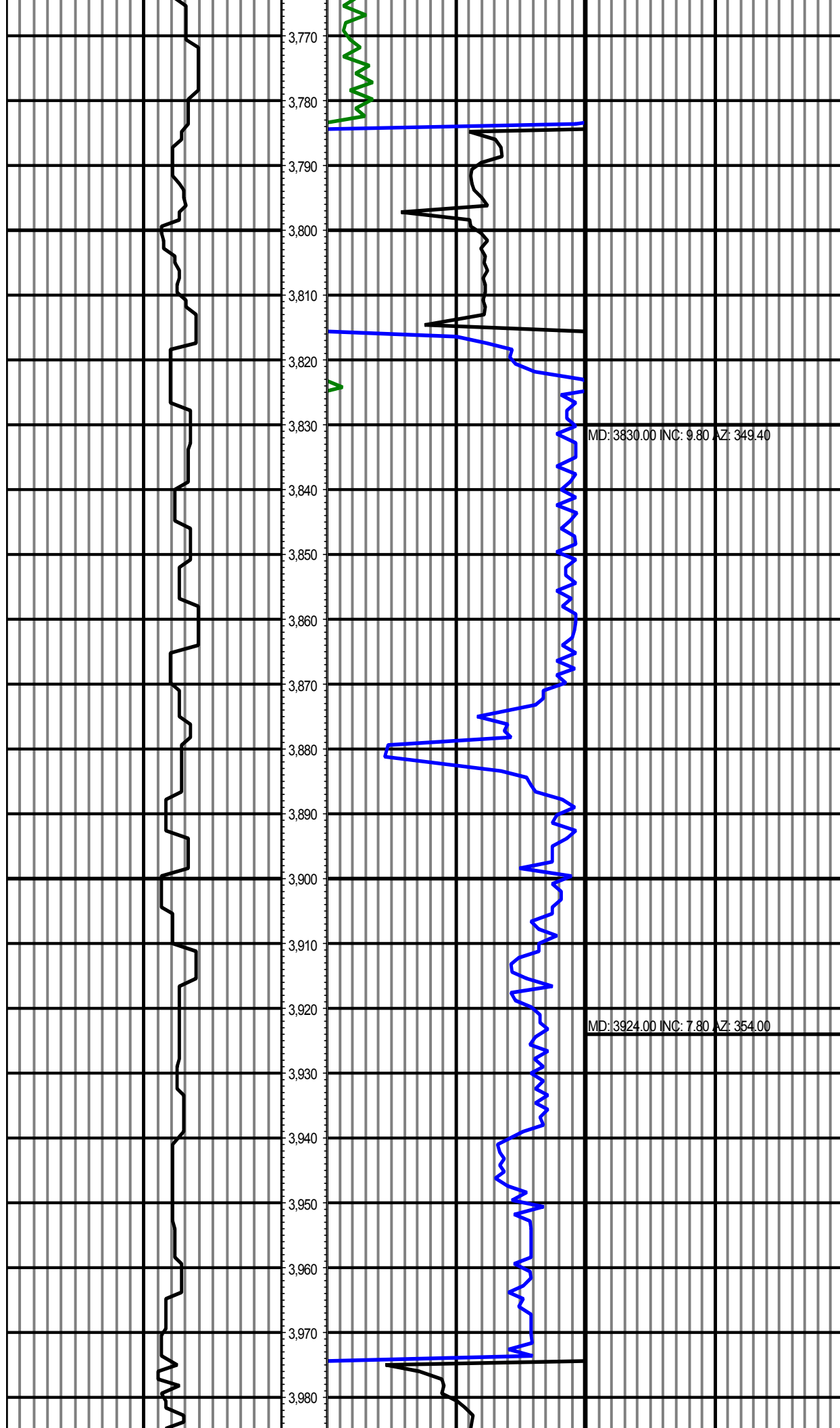


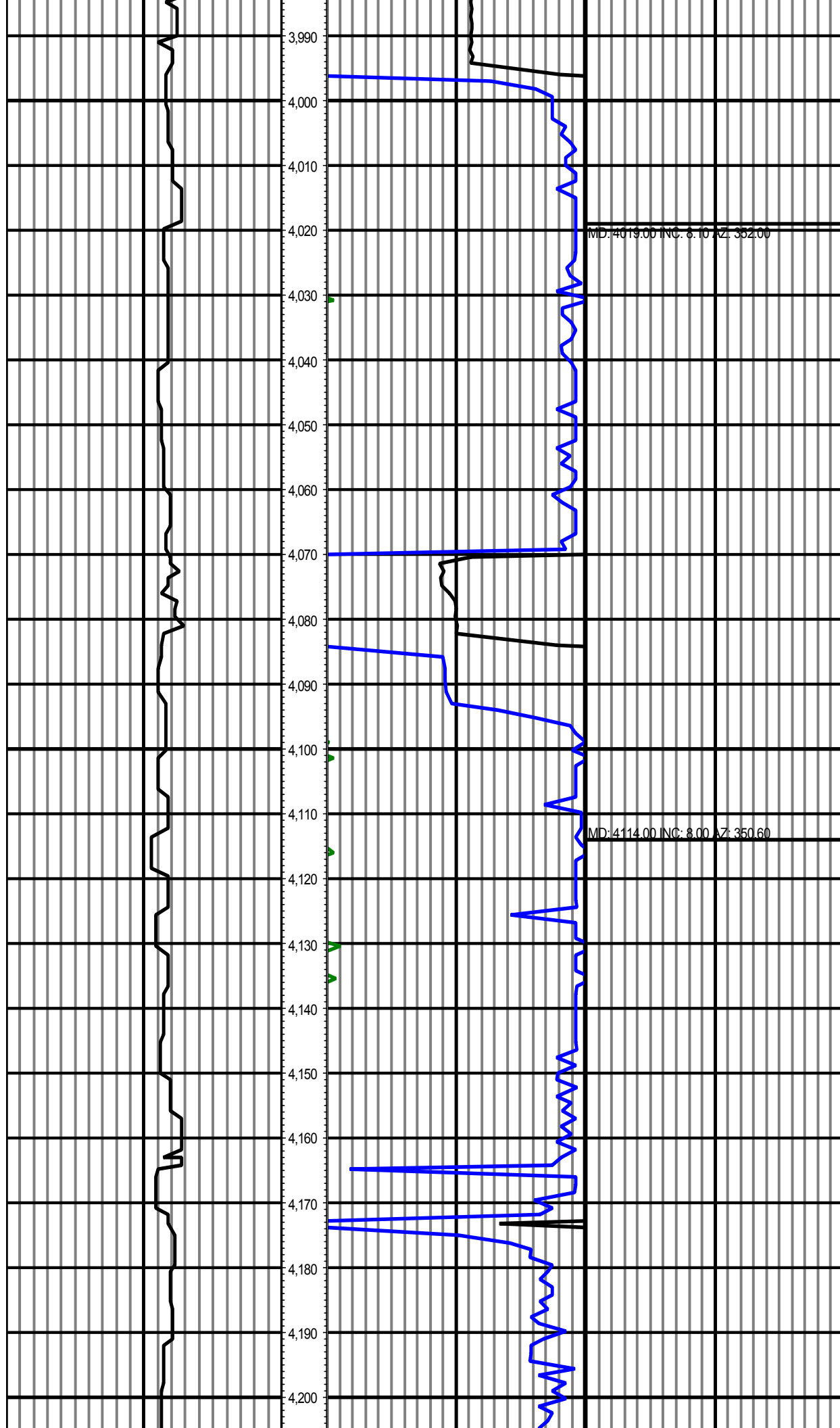






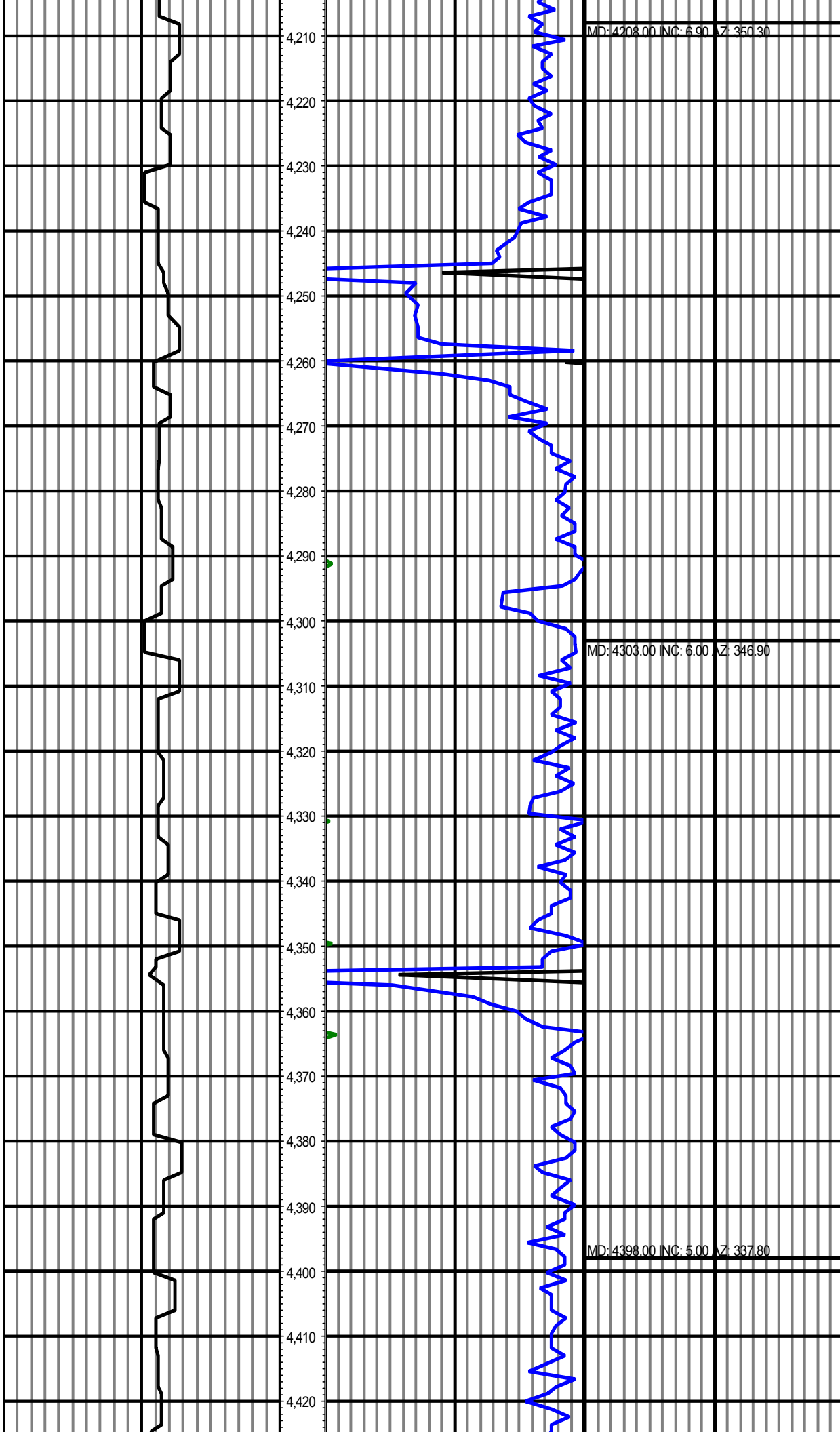


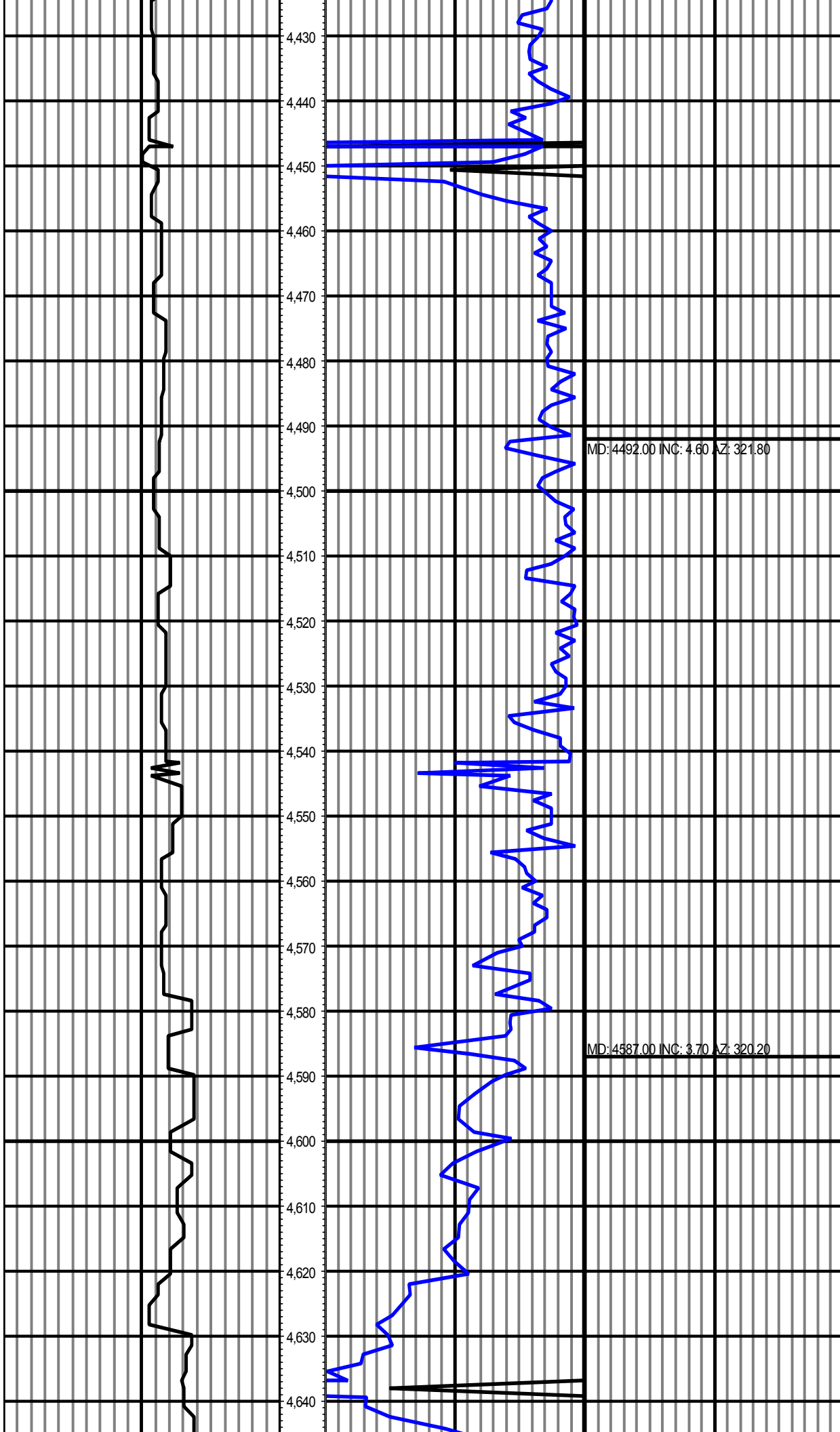


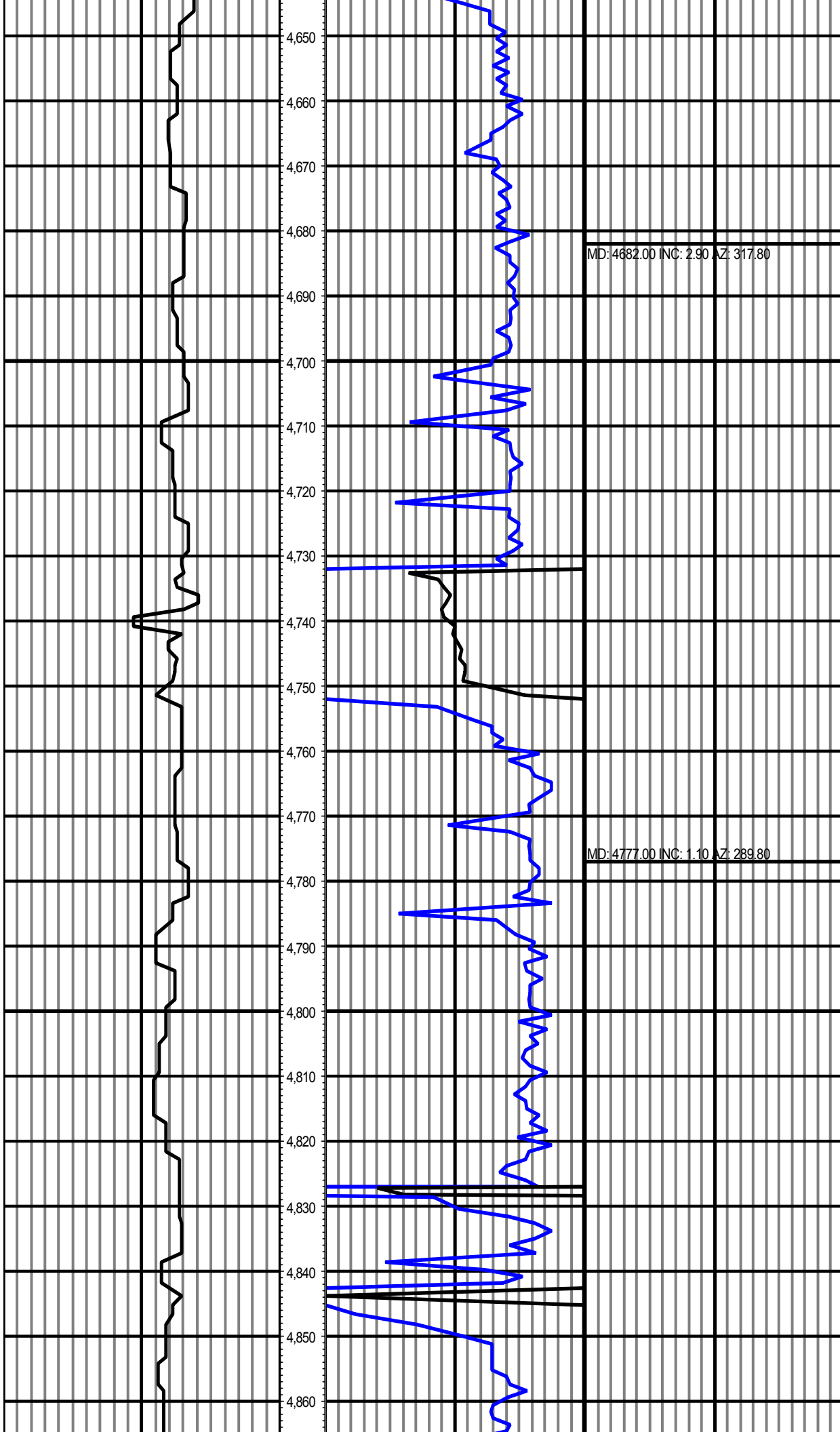


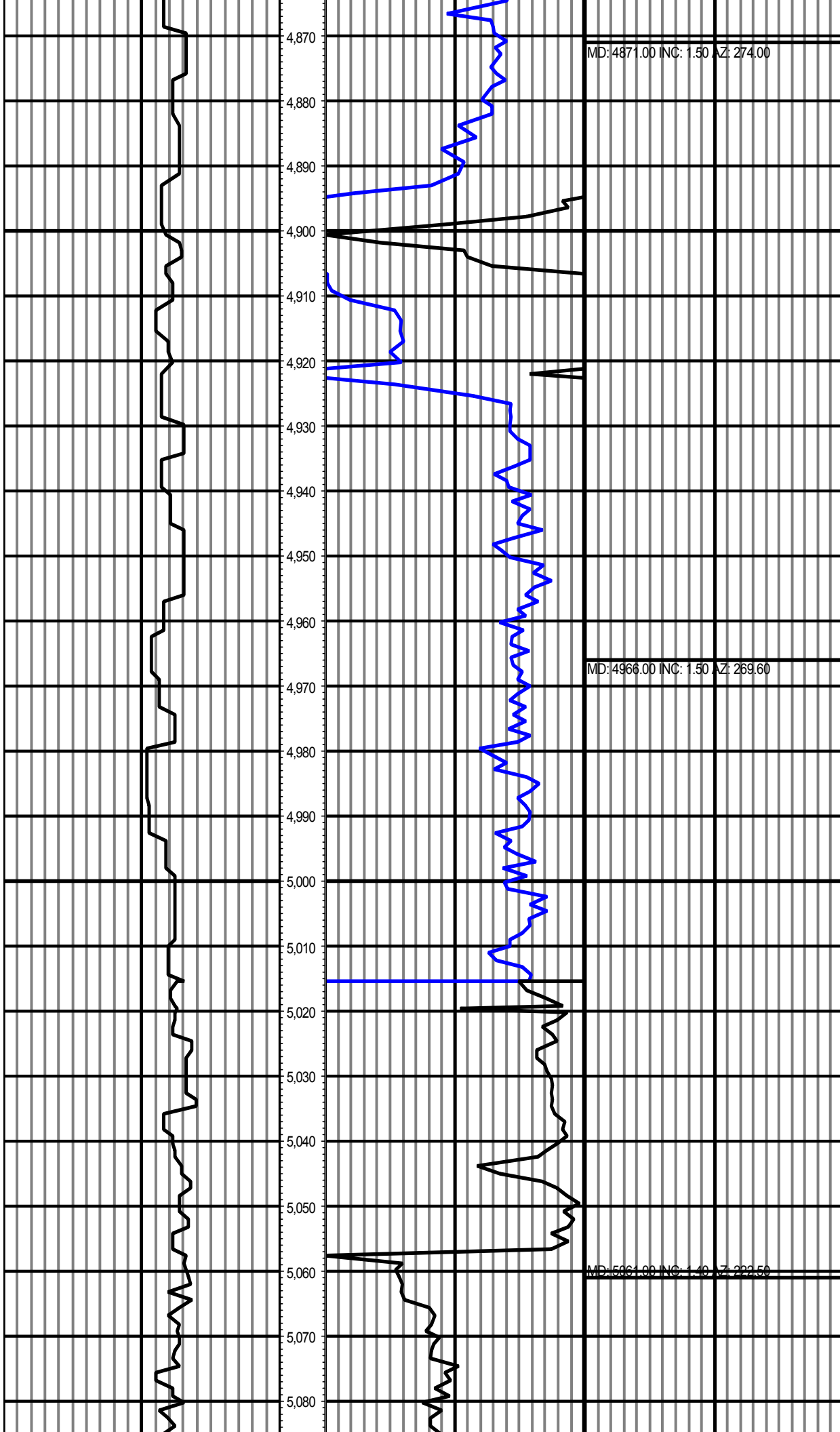
MD: 4019.00 INC: 8.10 AZ: 352.00

MD: 4114.00 INC: 8.00 AZ: 350.60

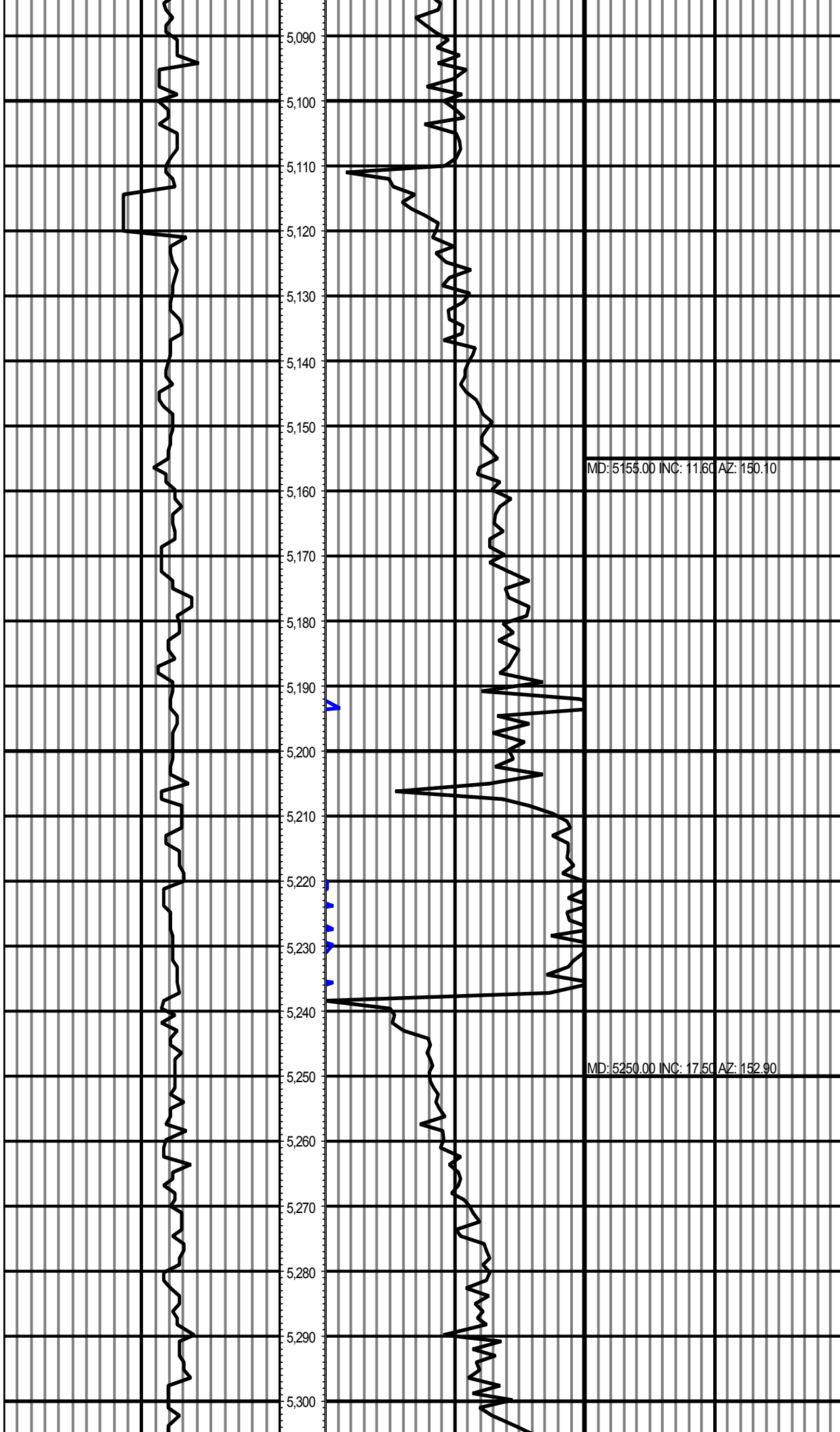


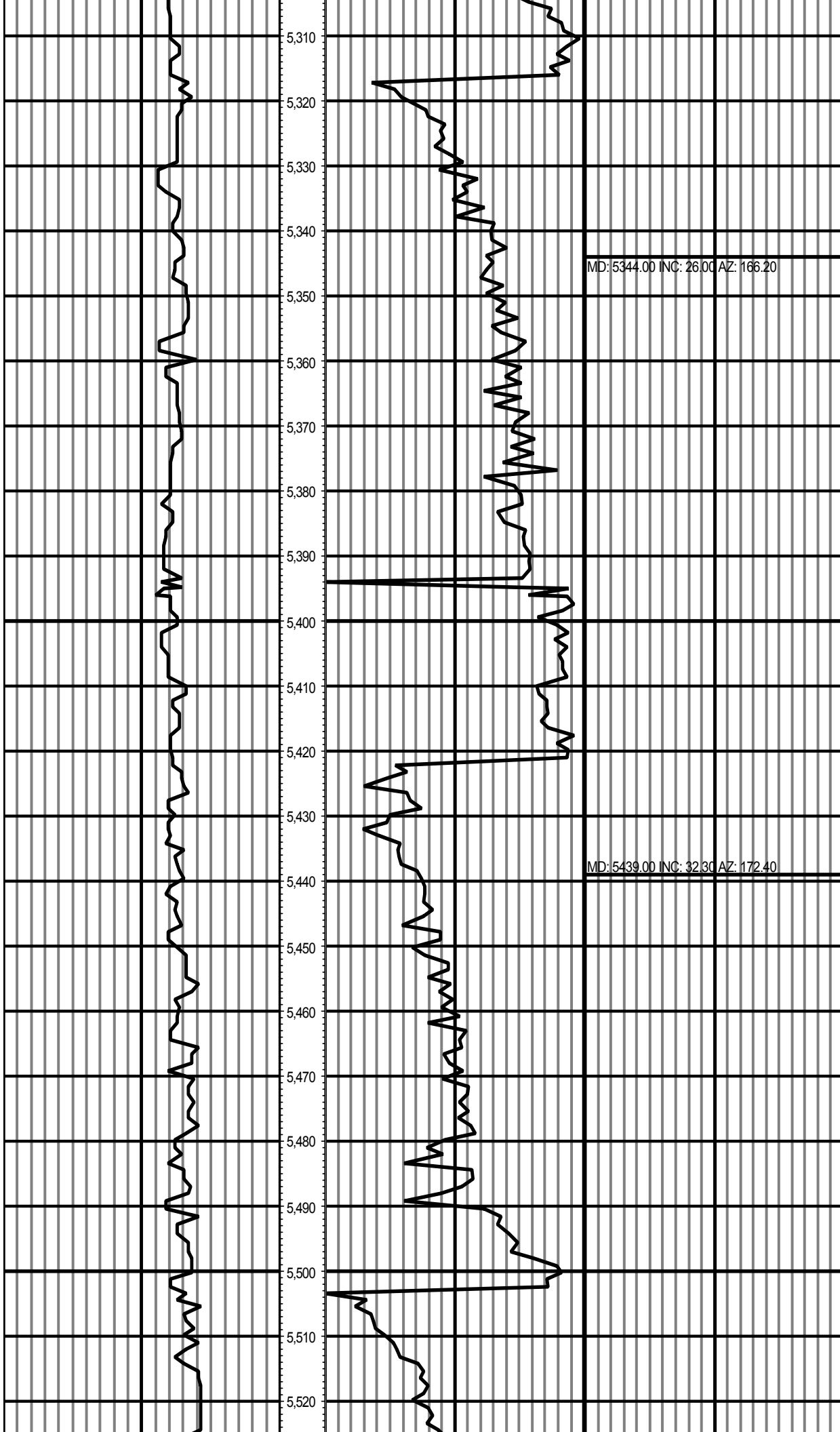


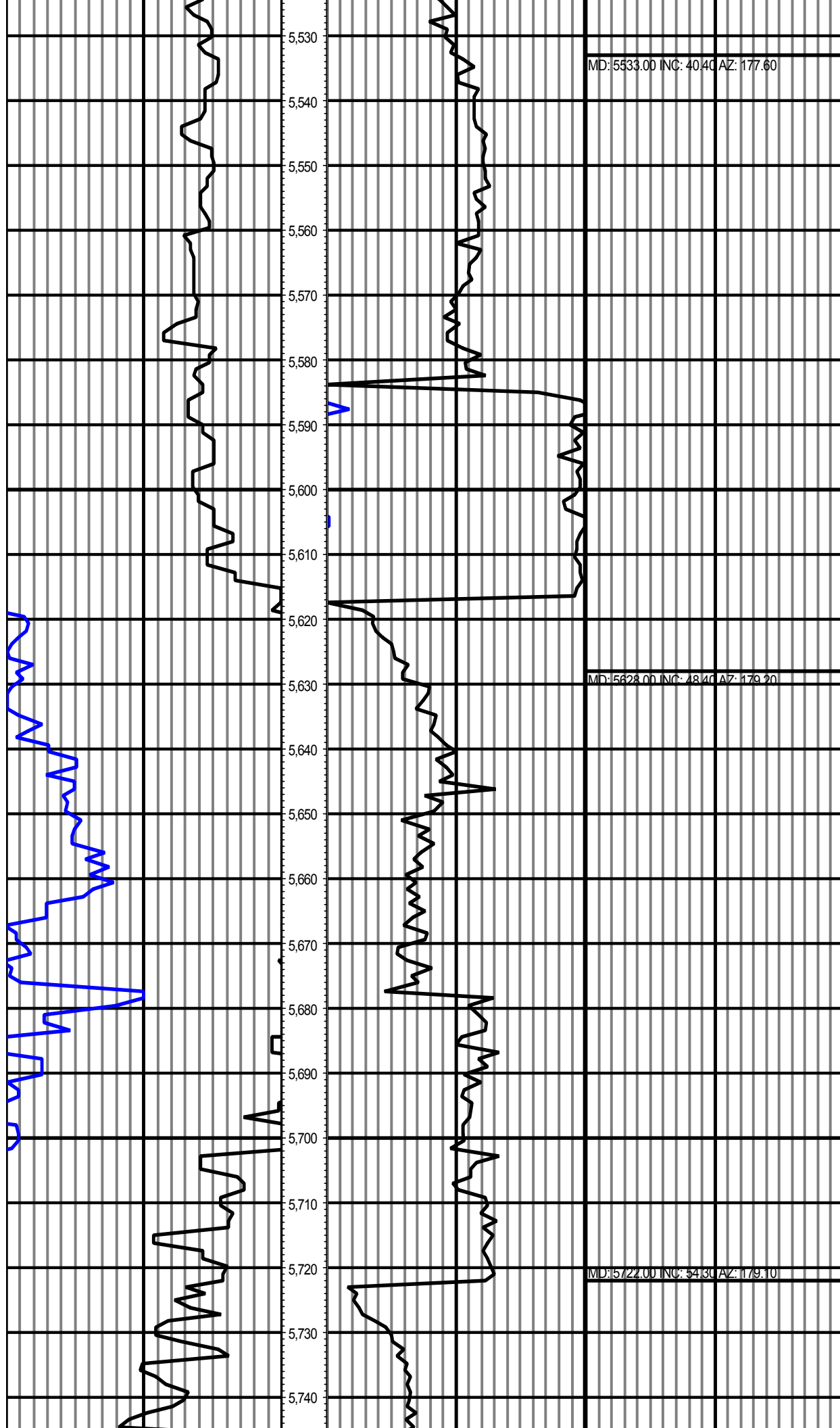


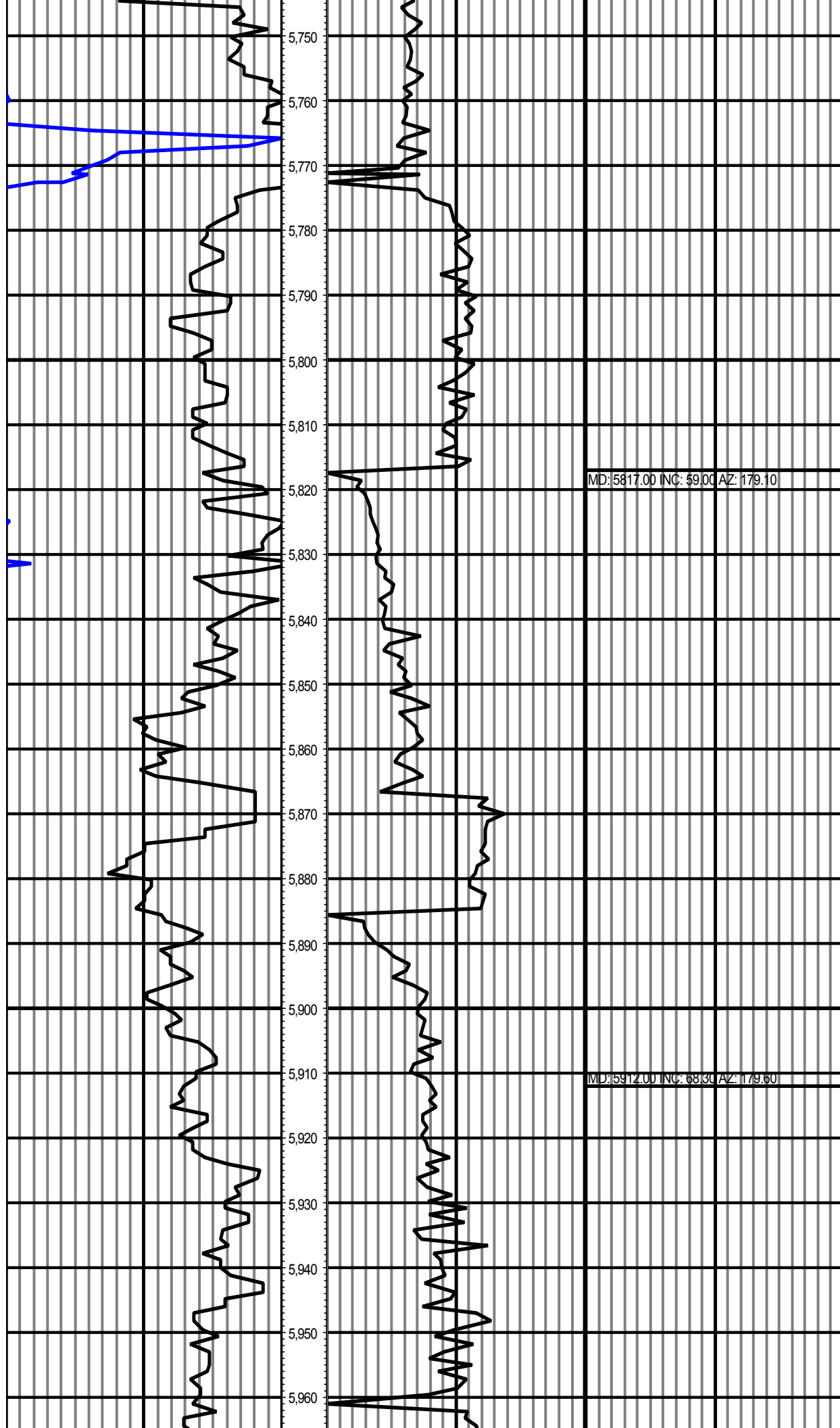


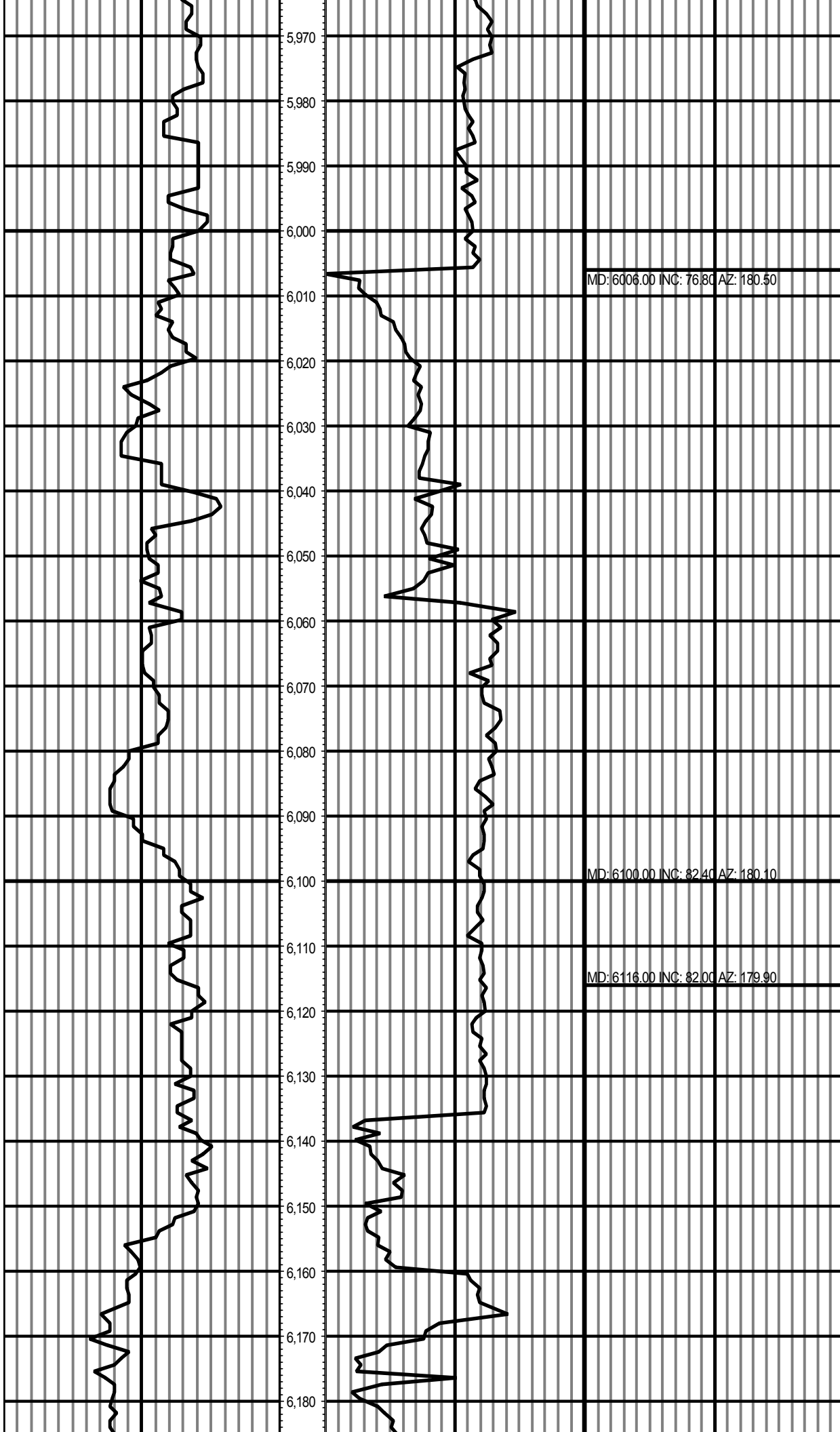


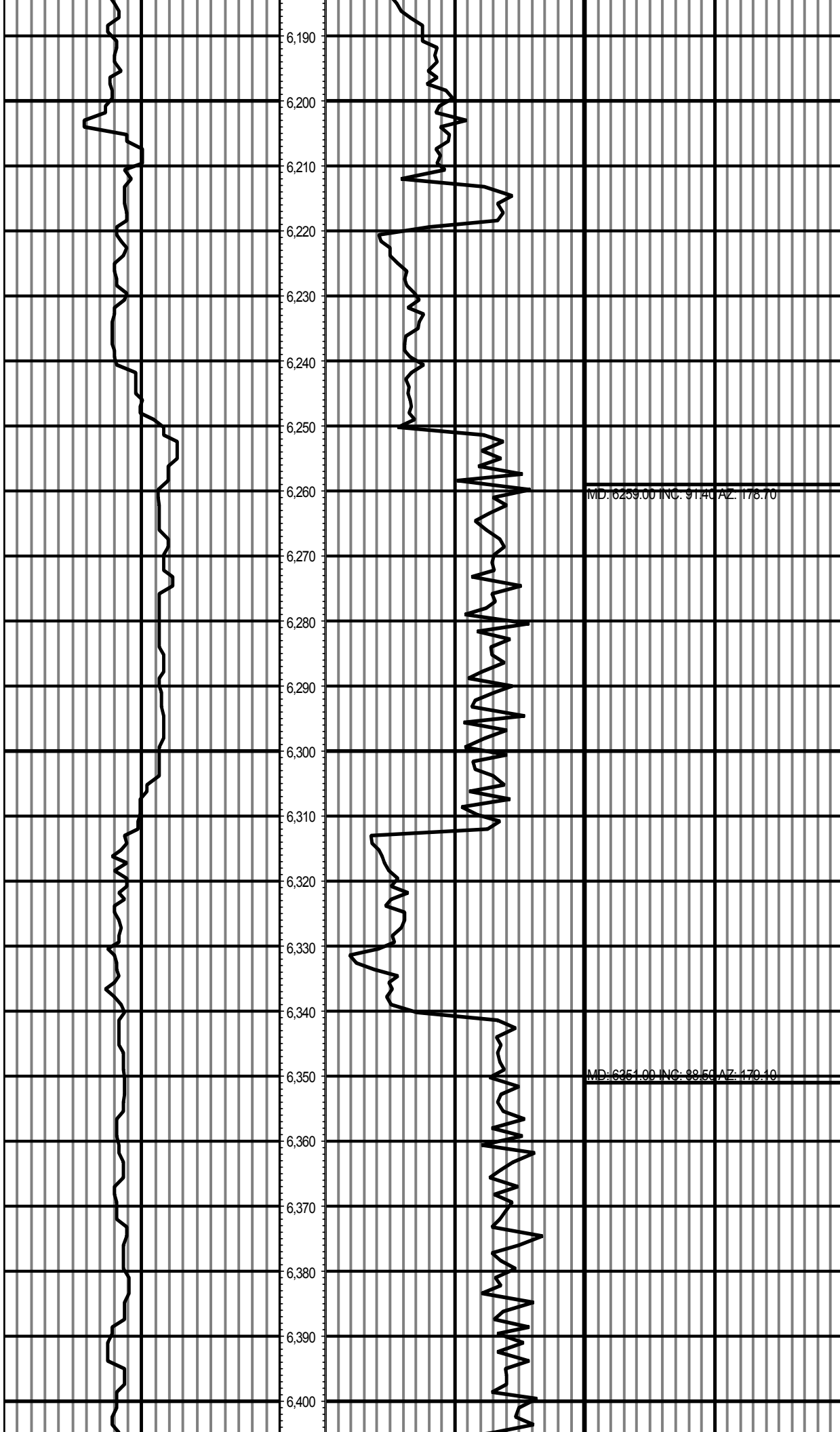


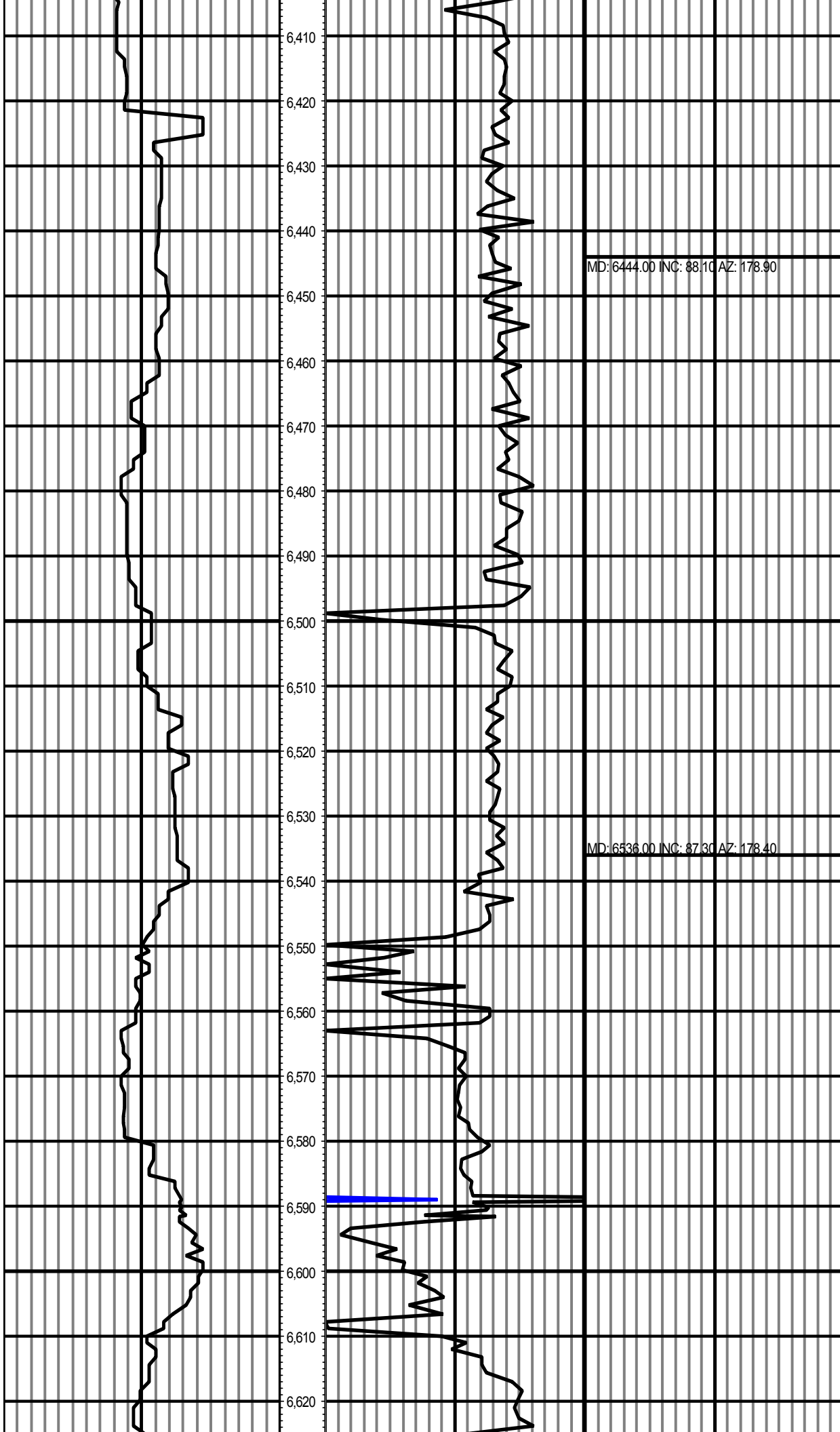


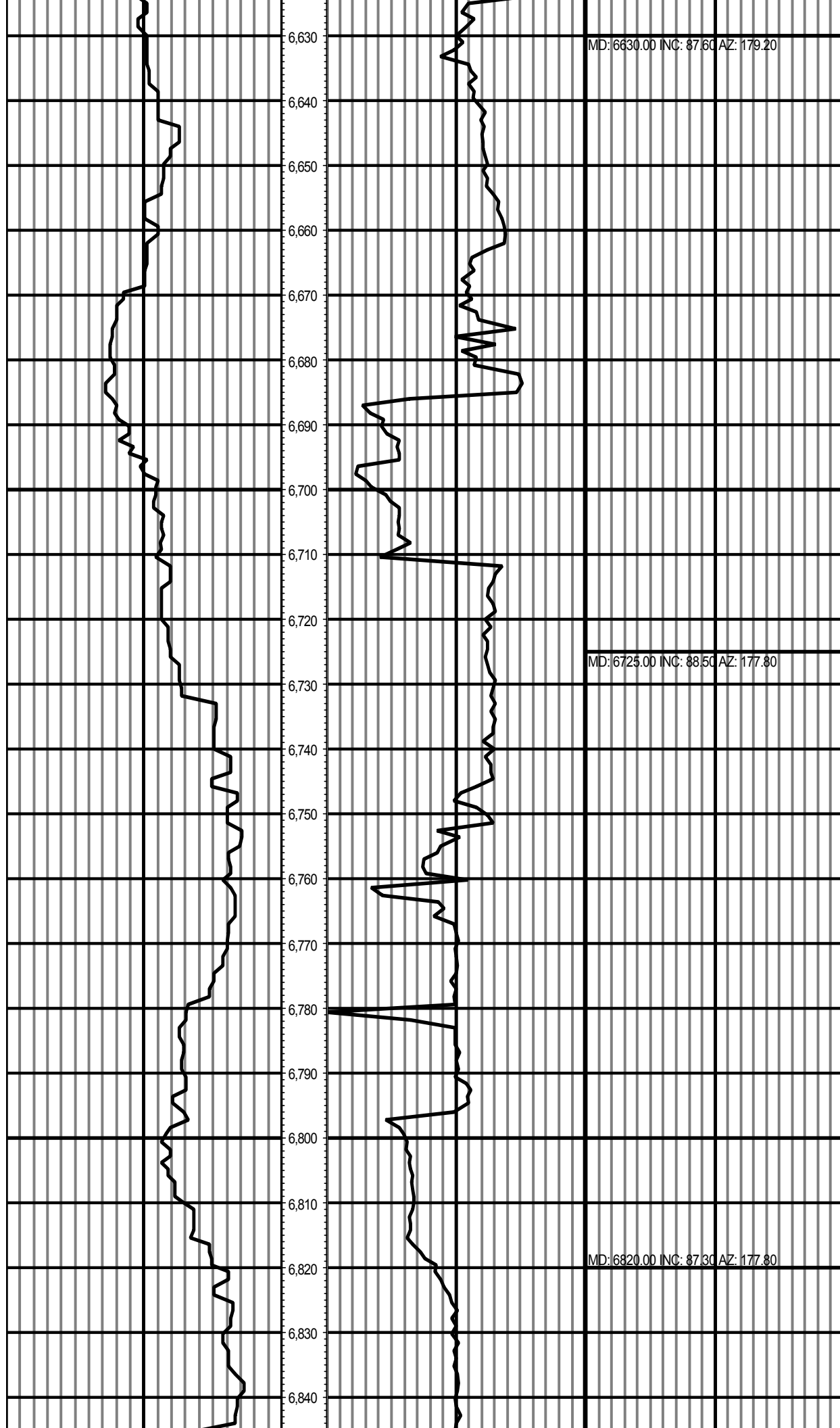




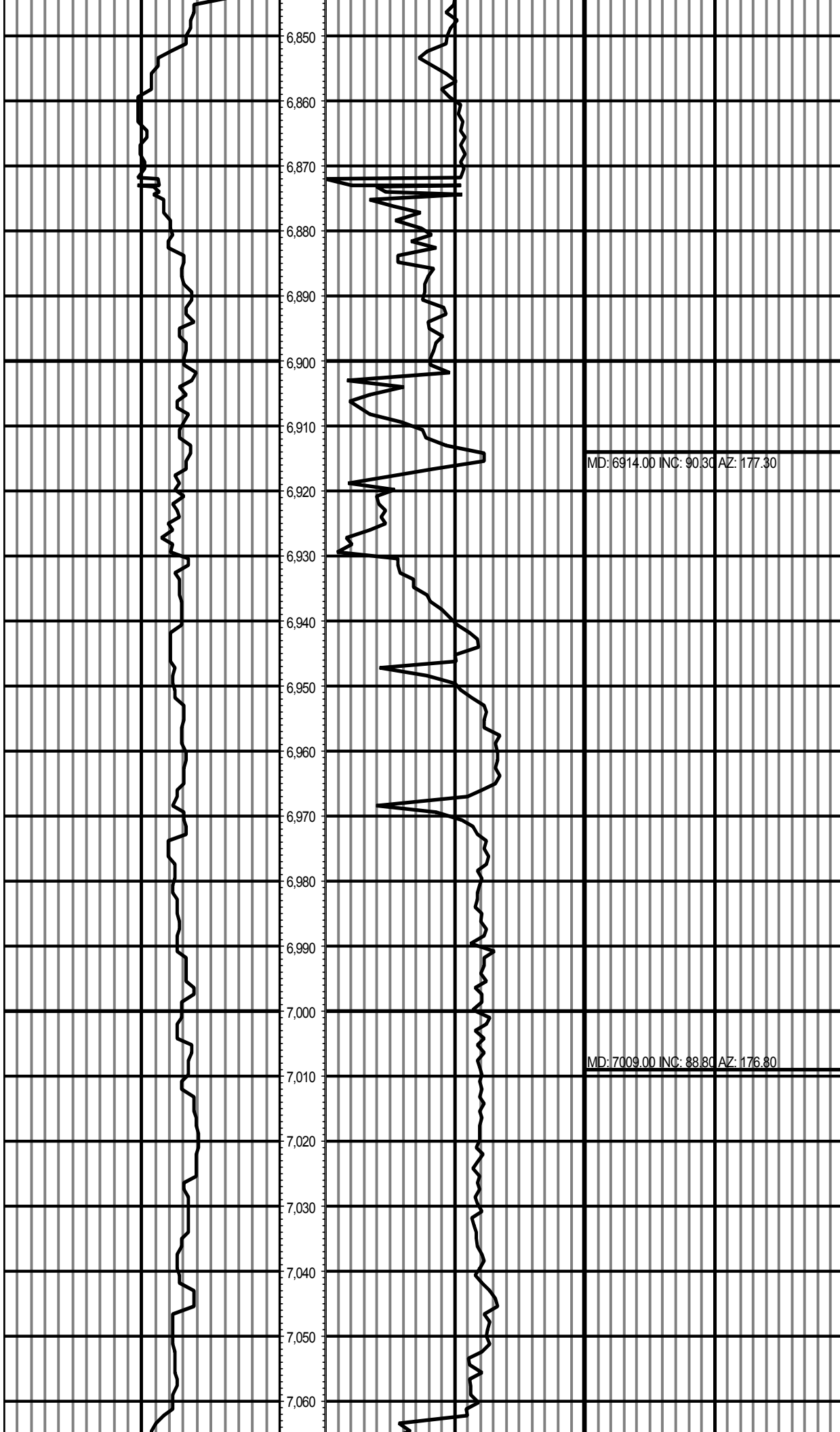


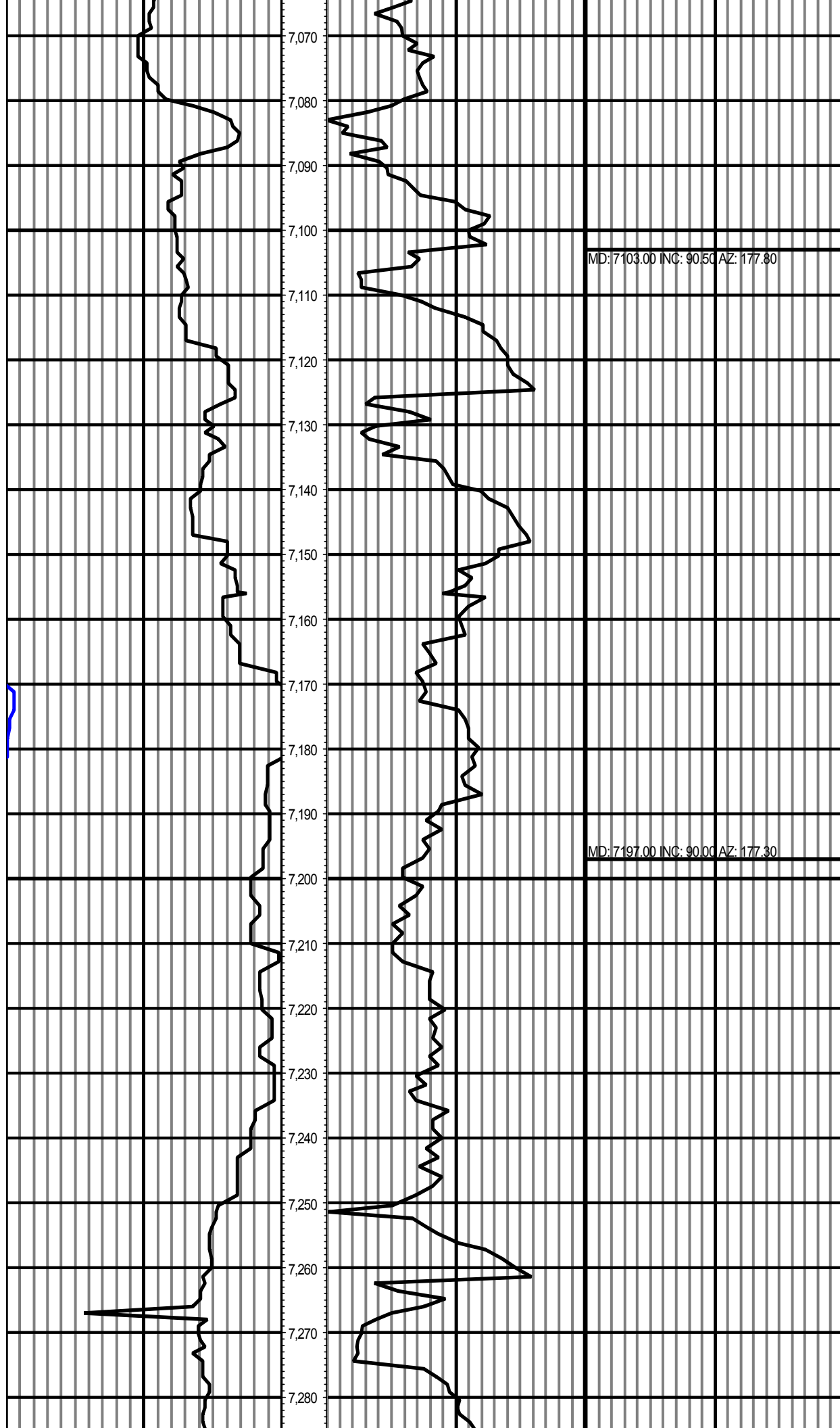


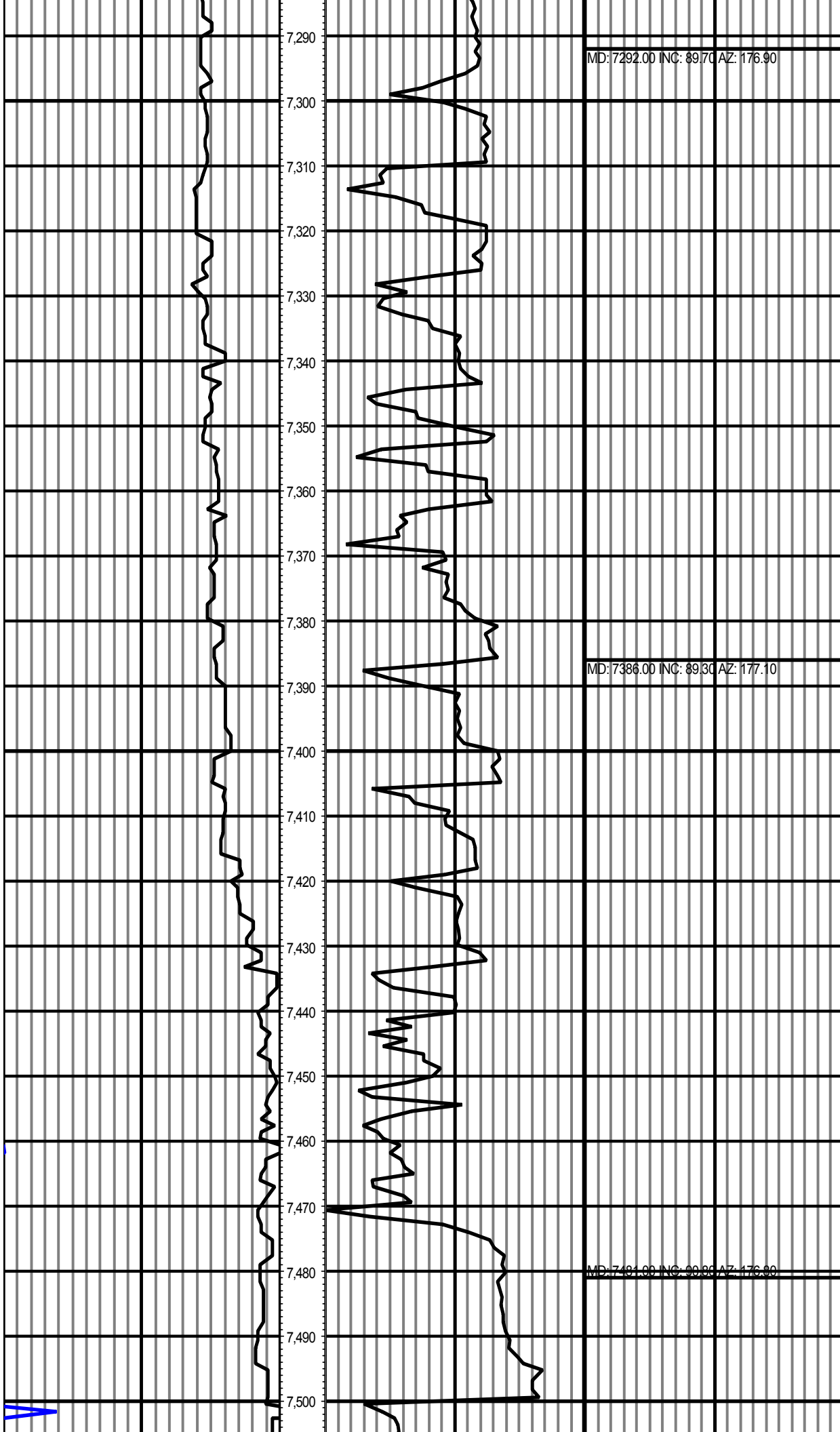


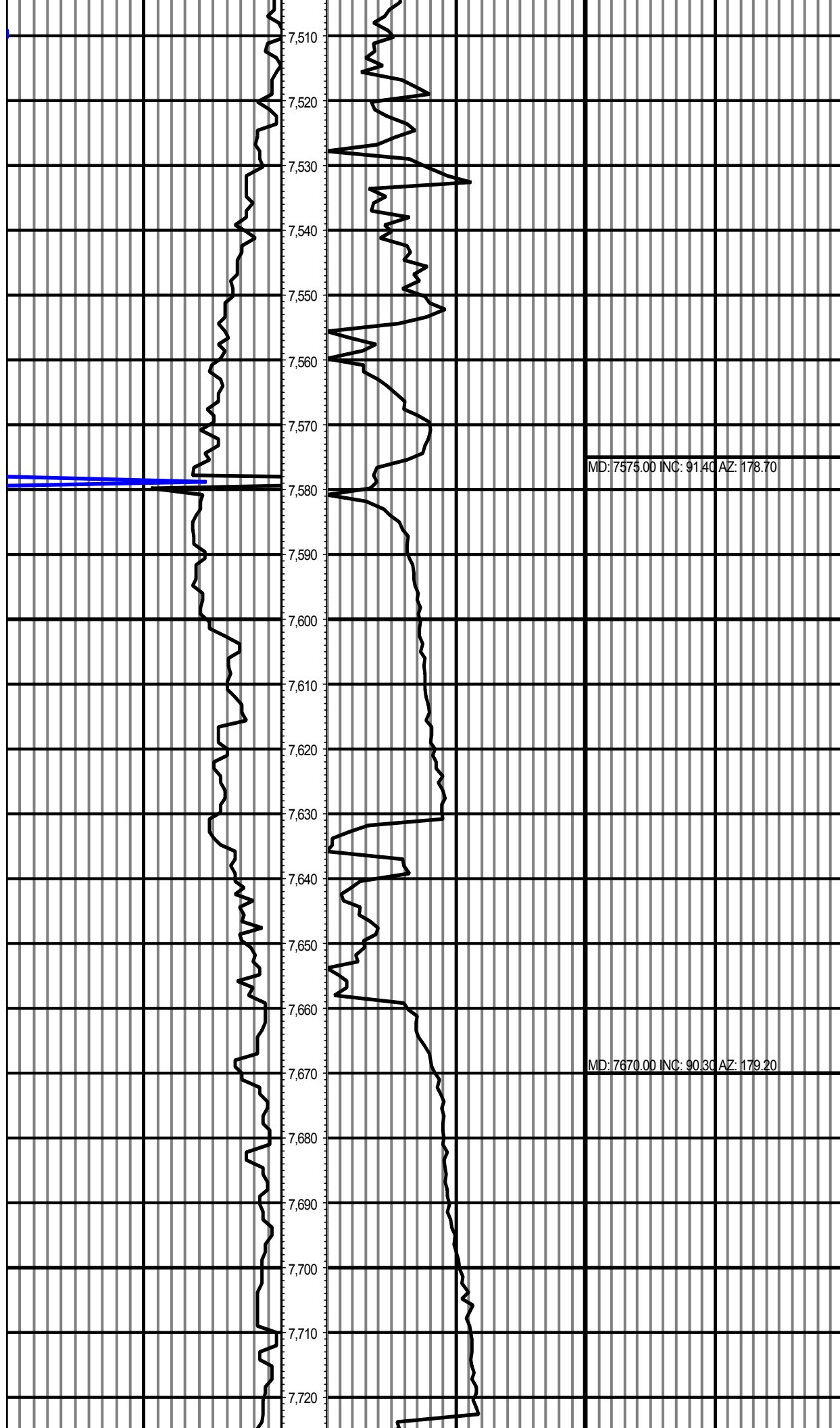


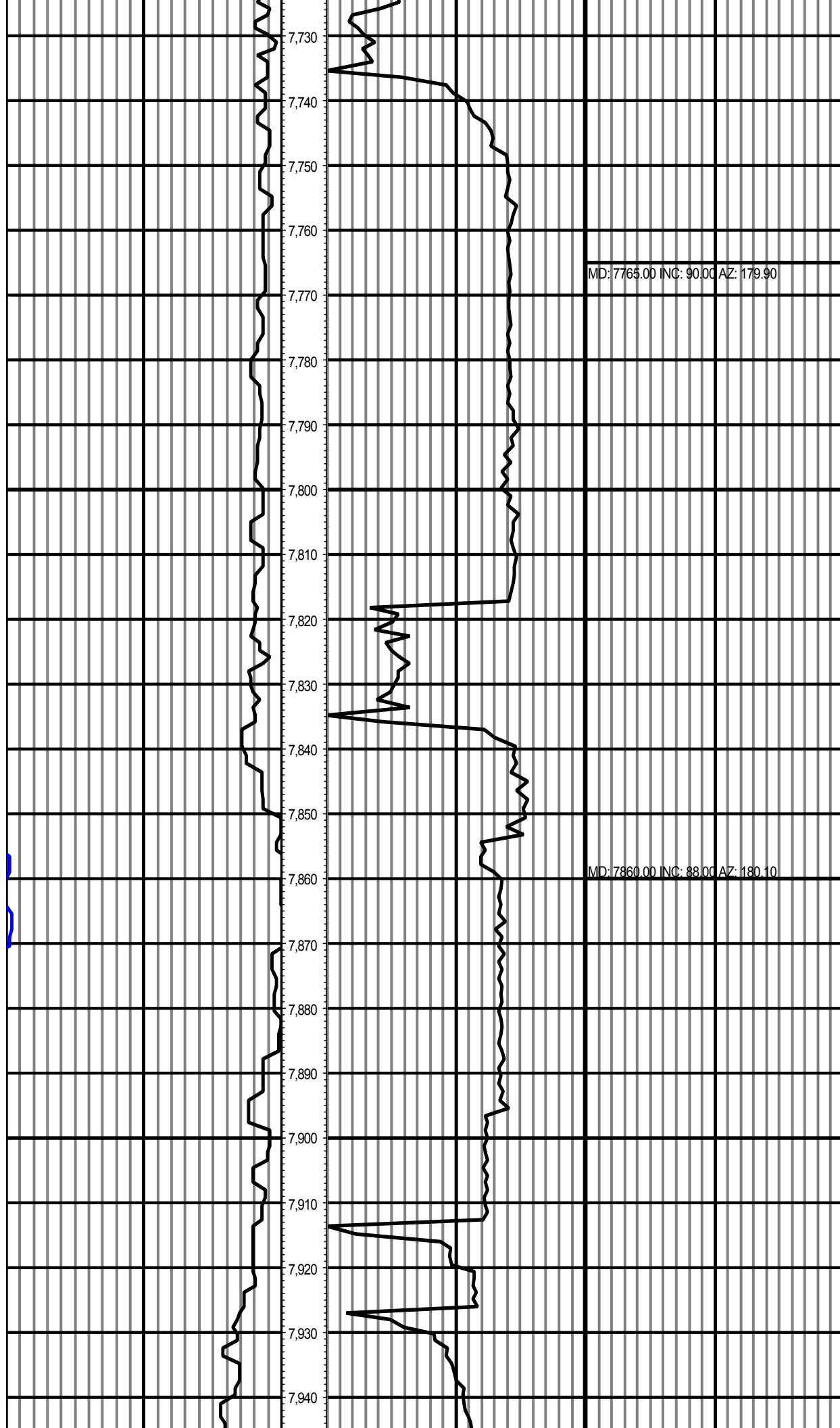


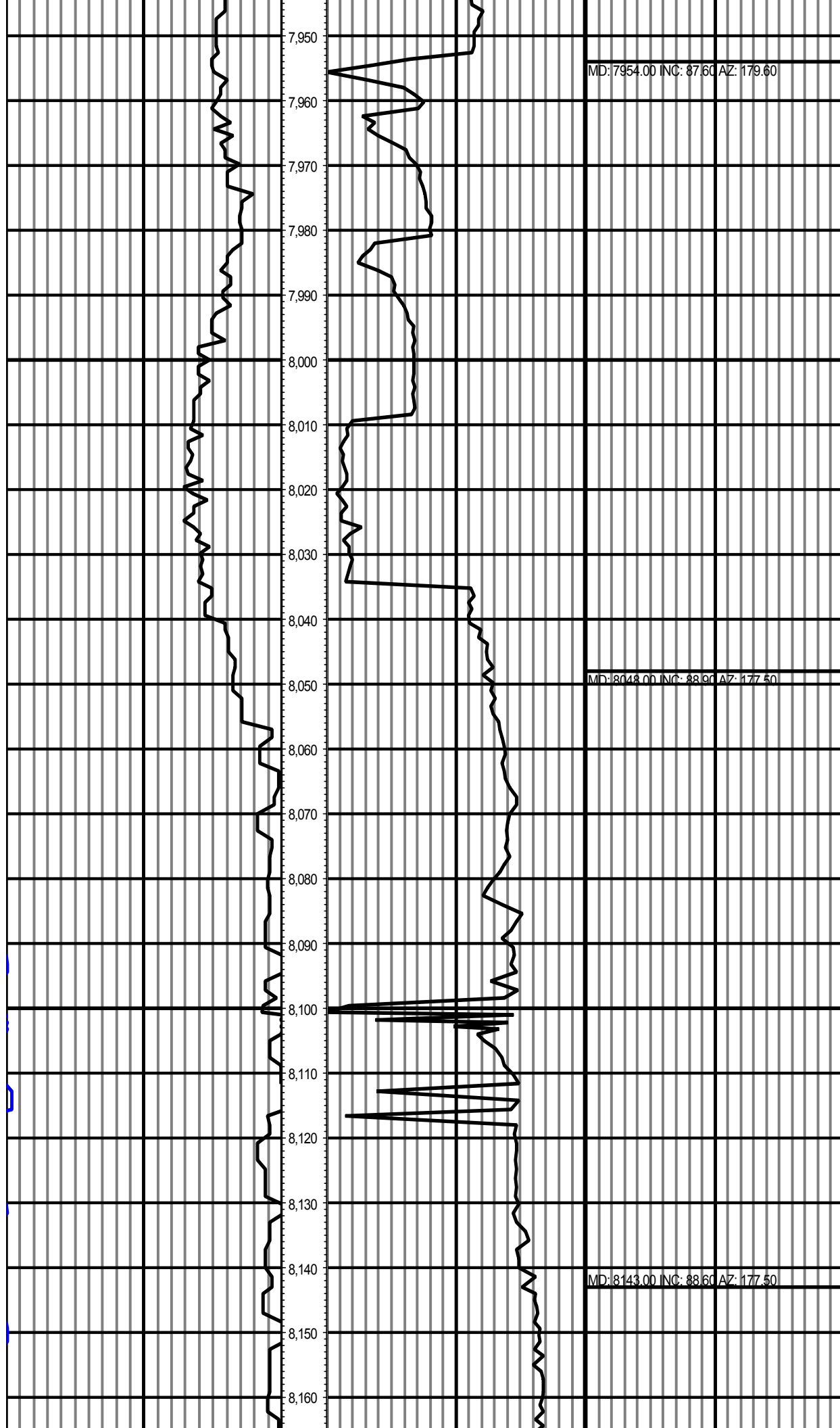


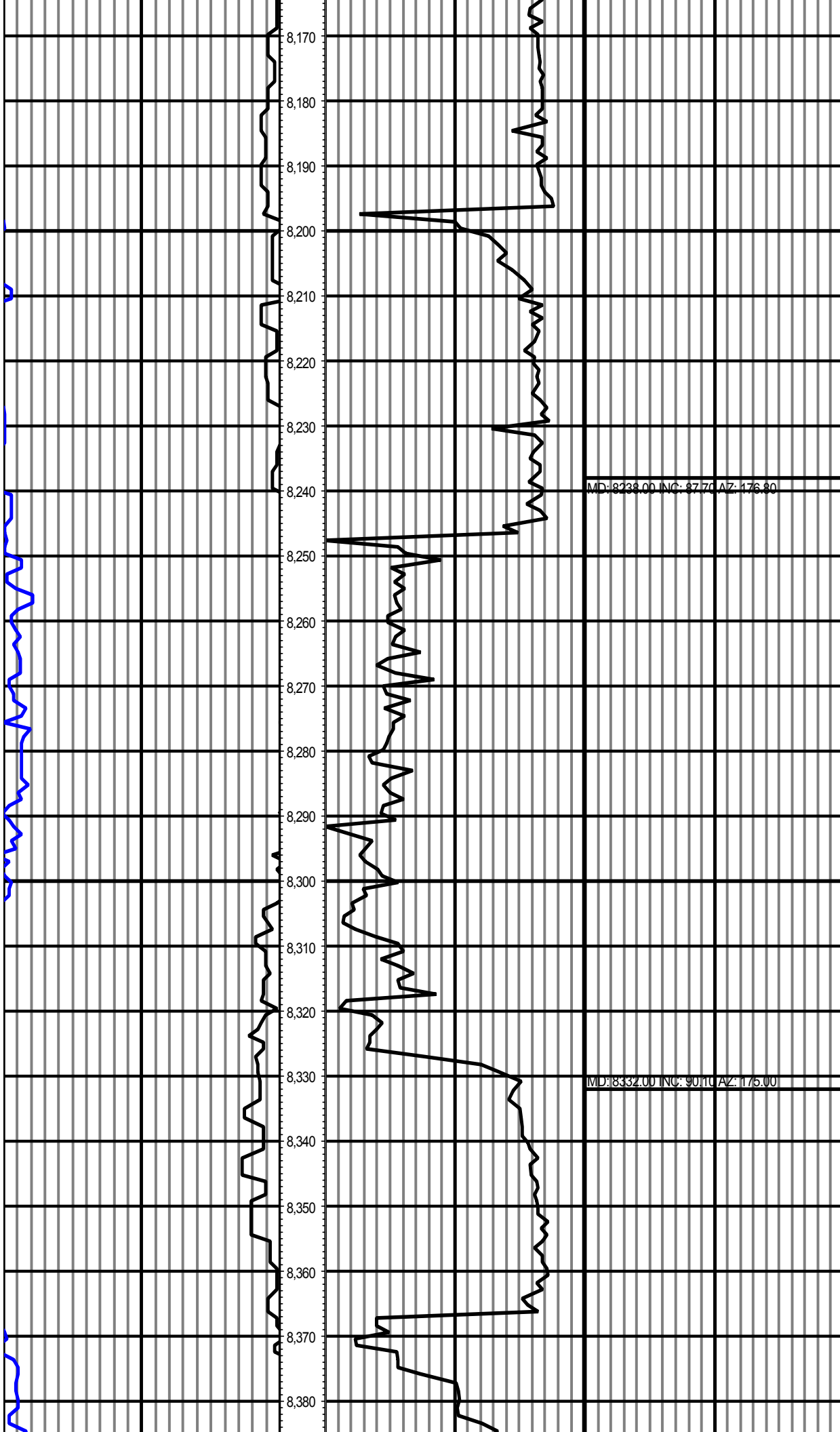


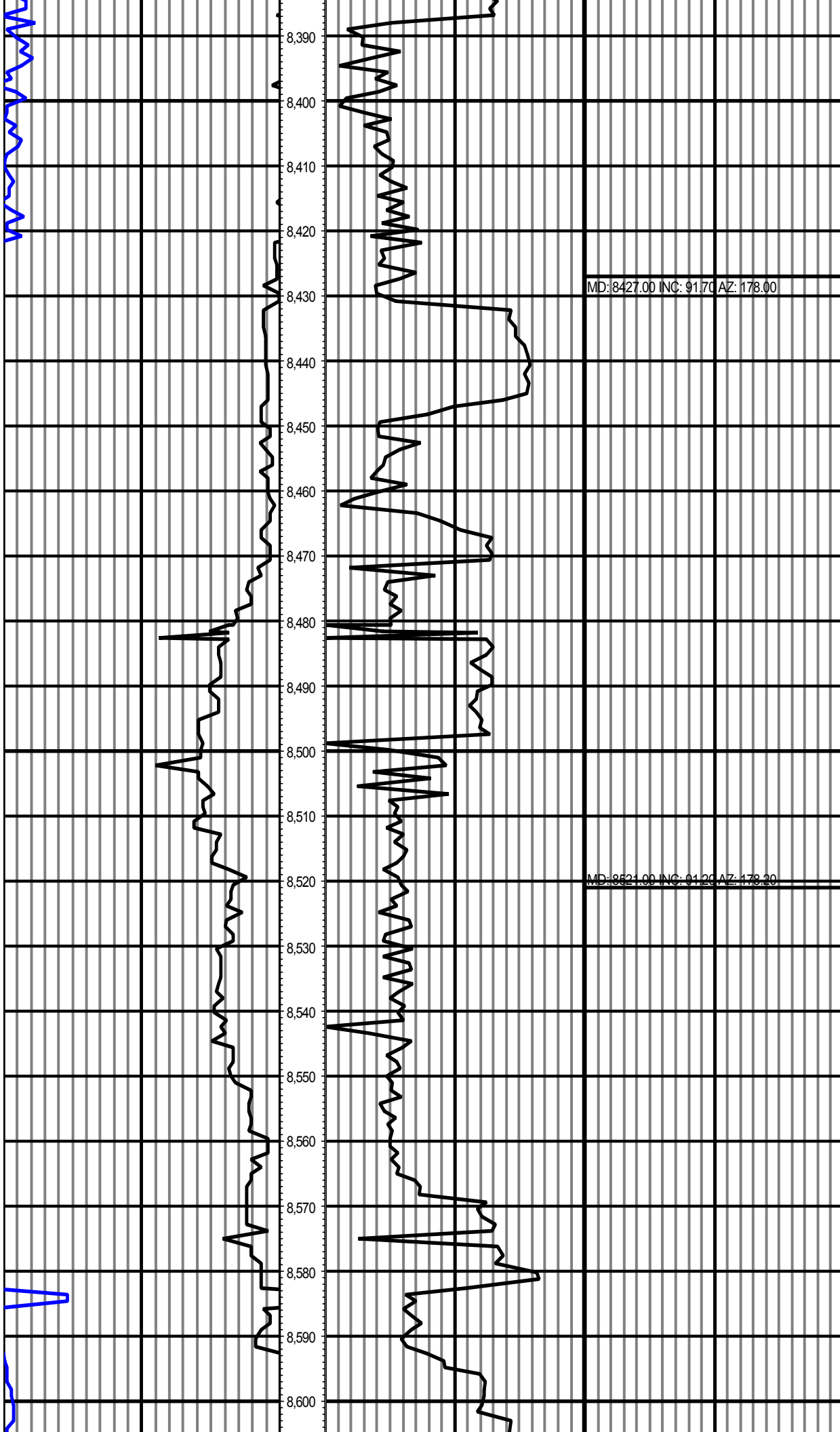




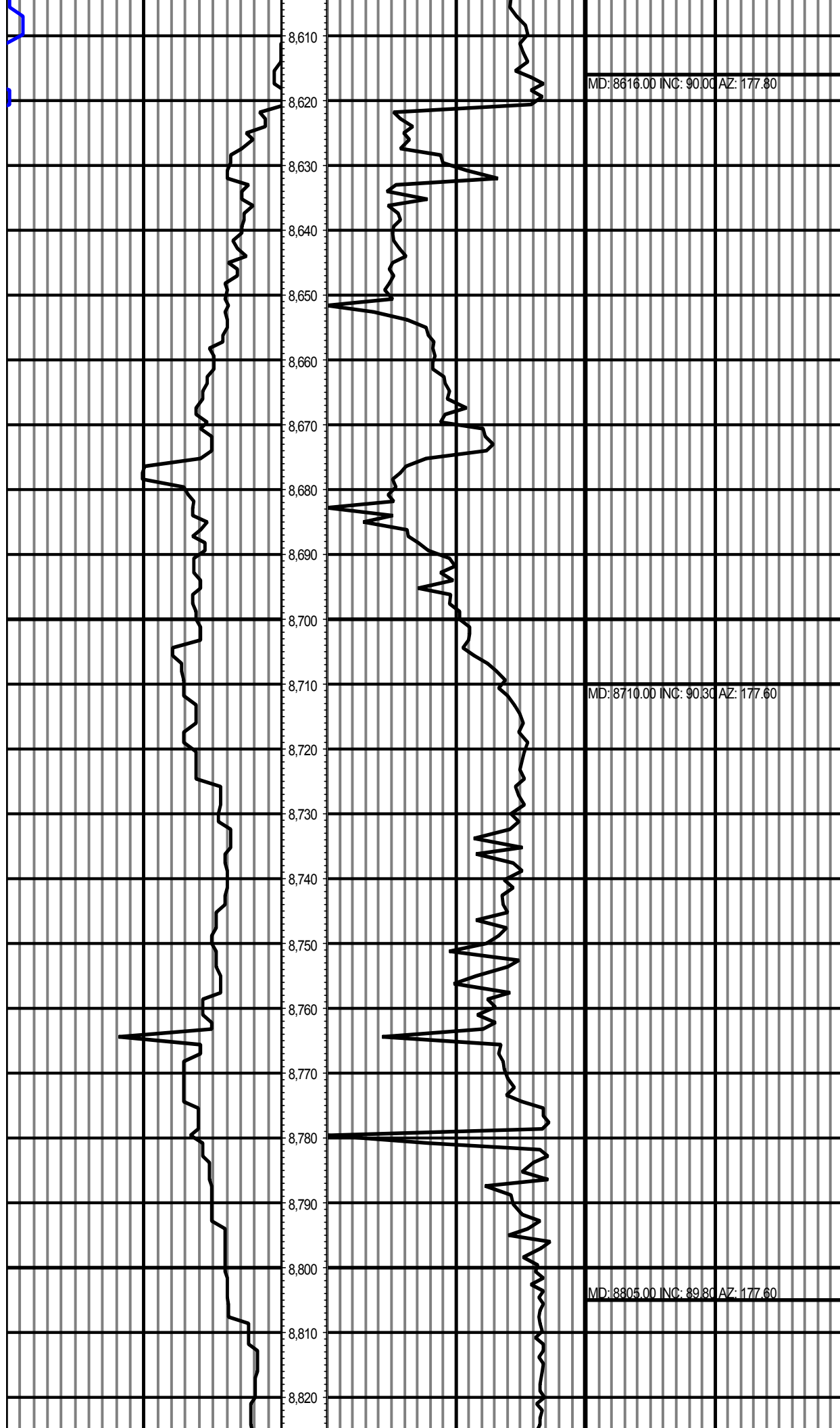


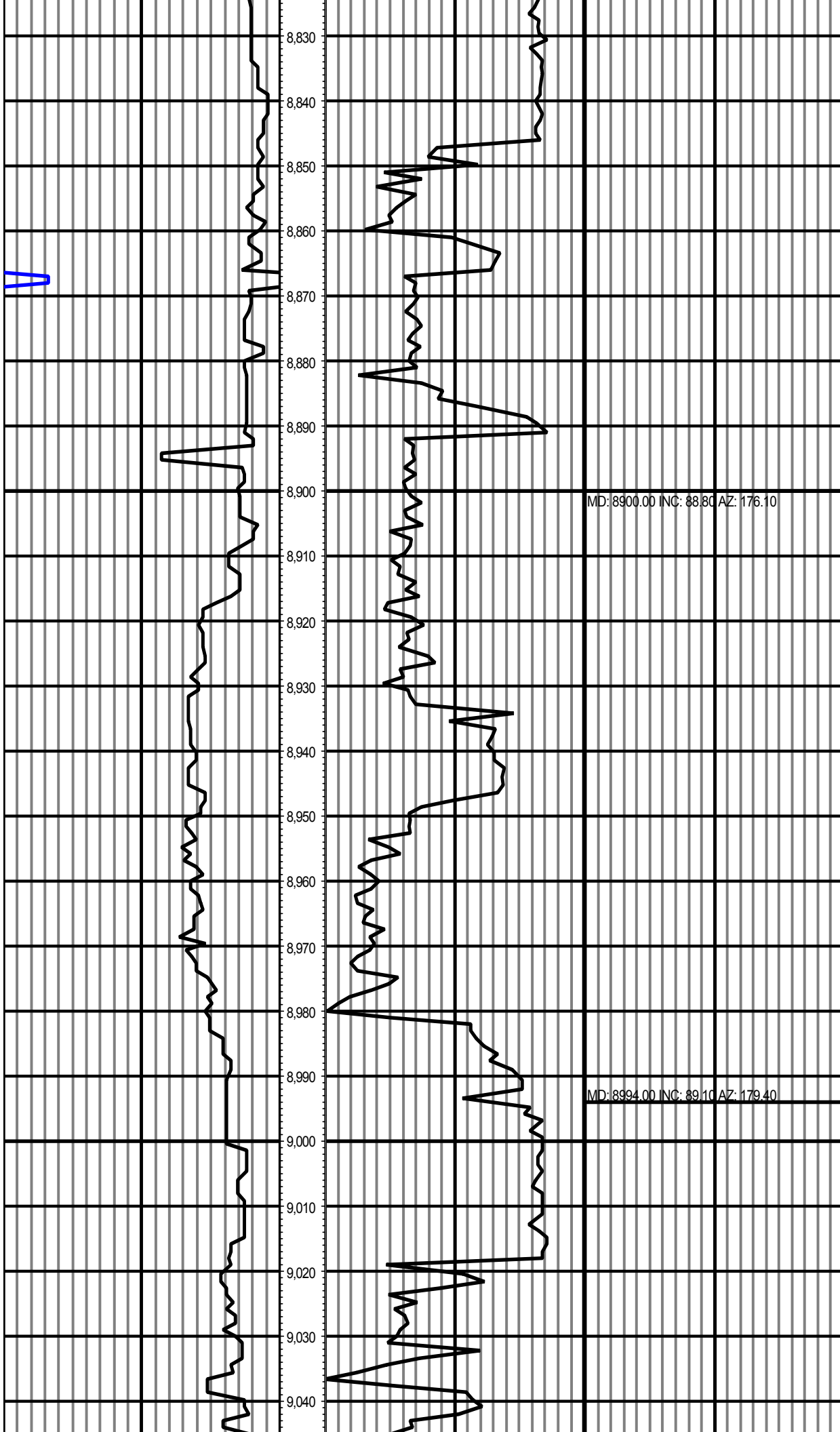


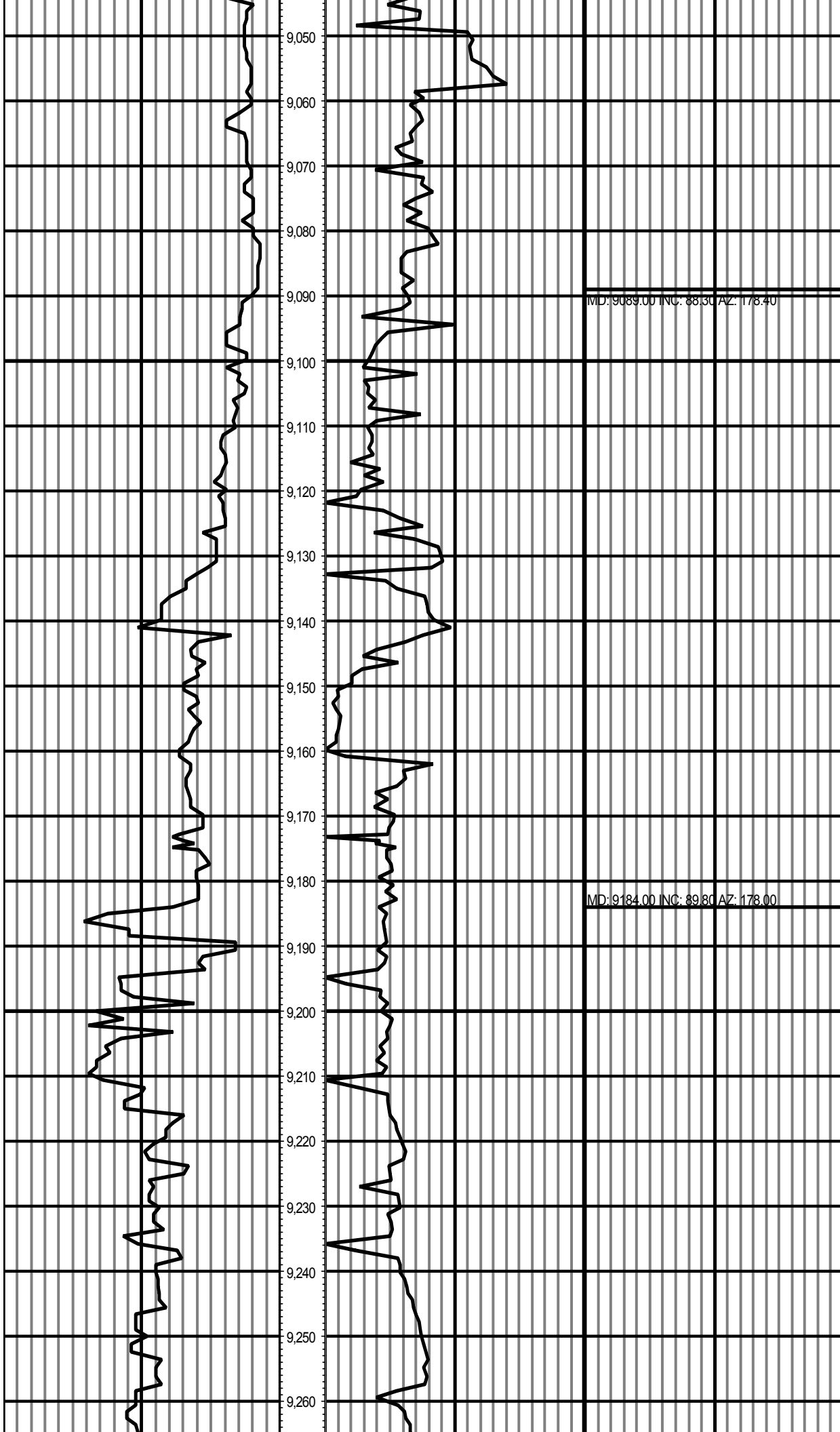


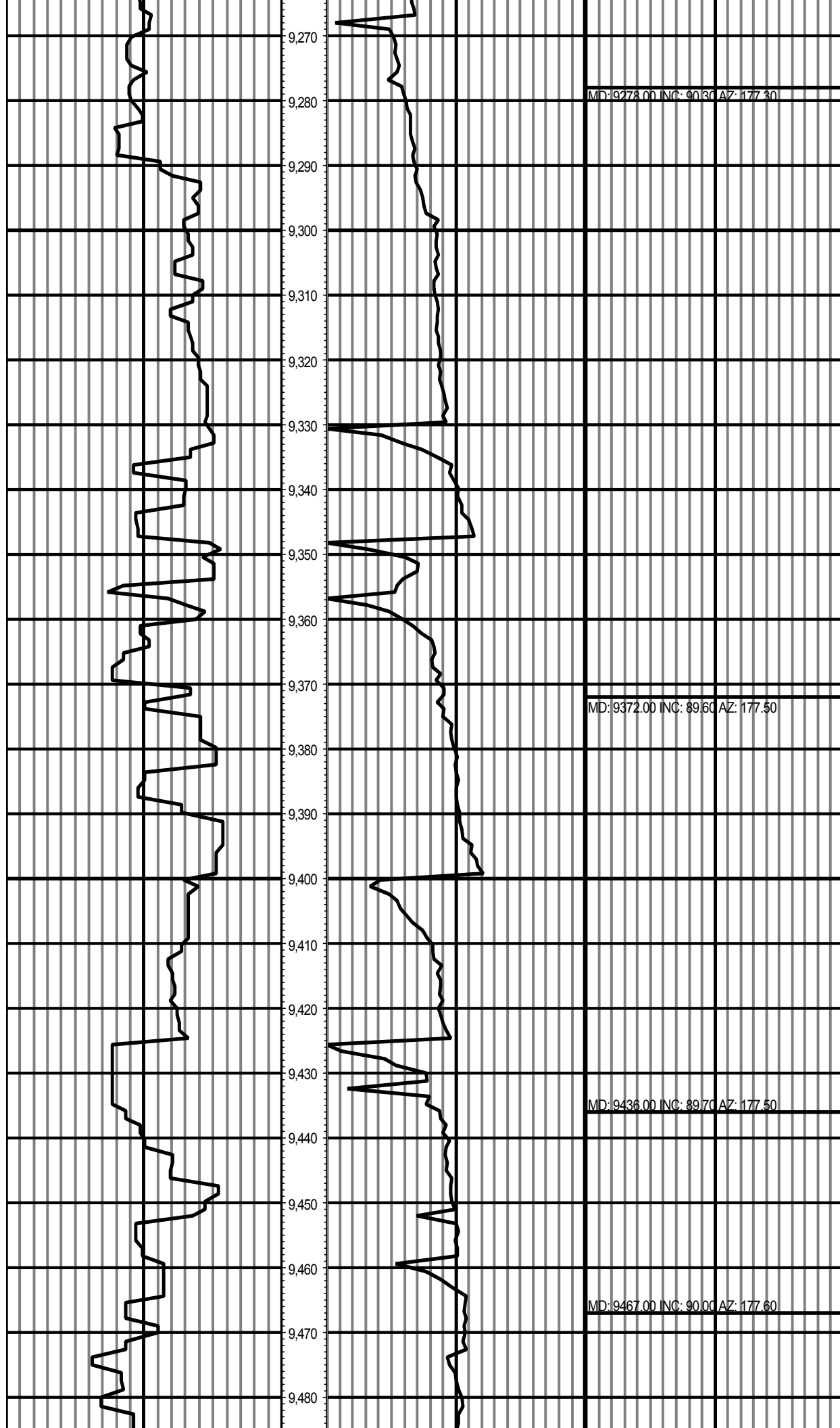


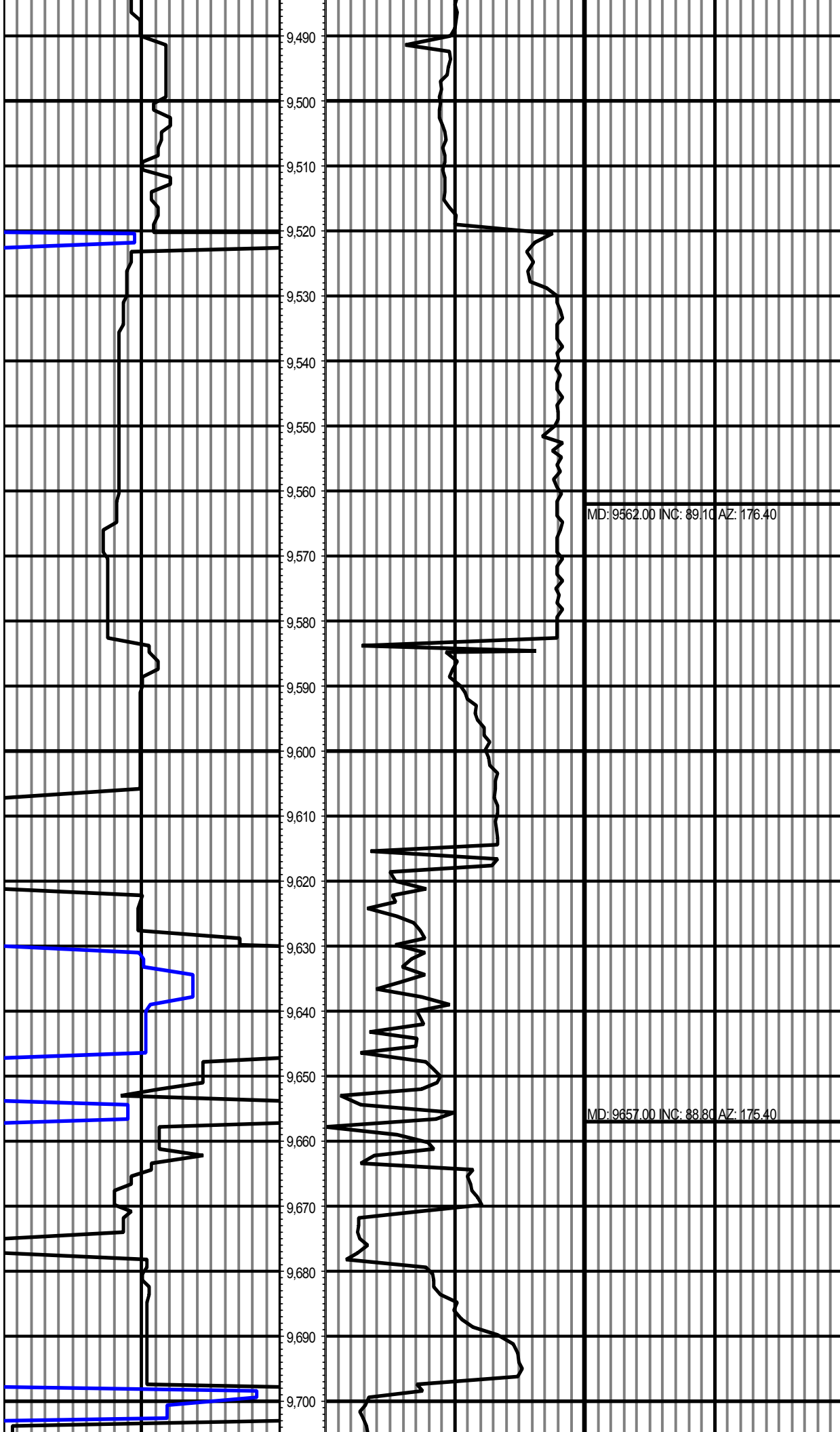


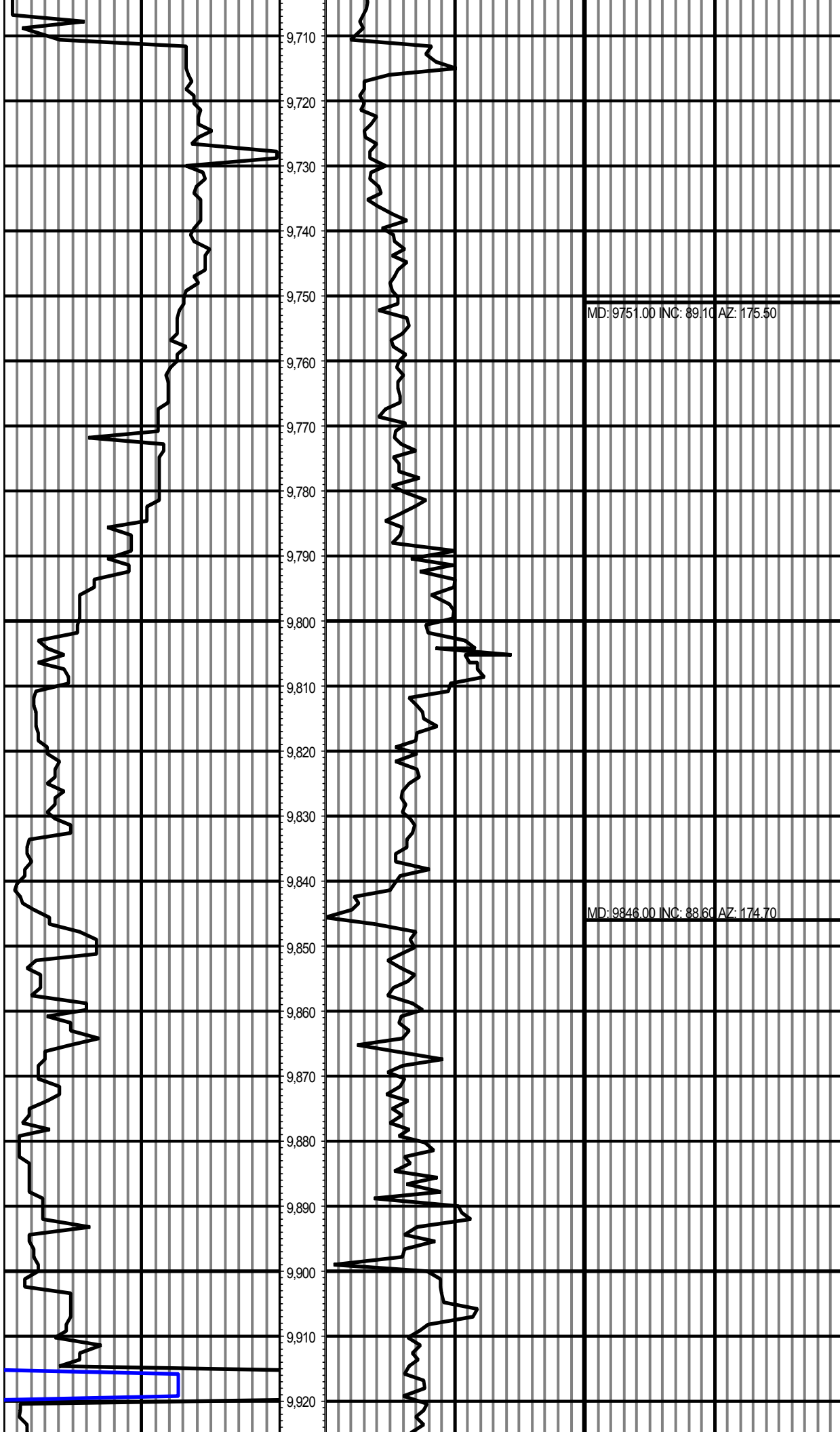


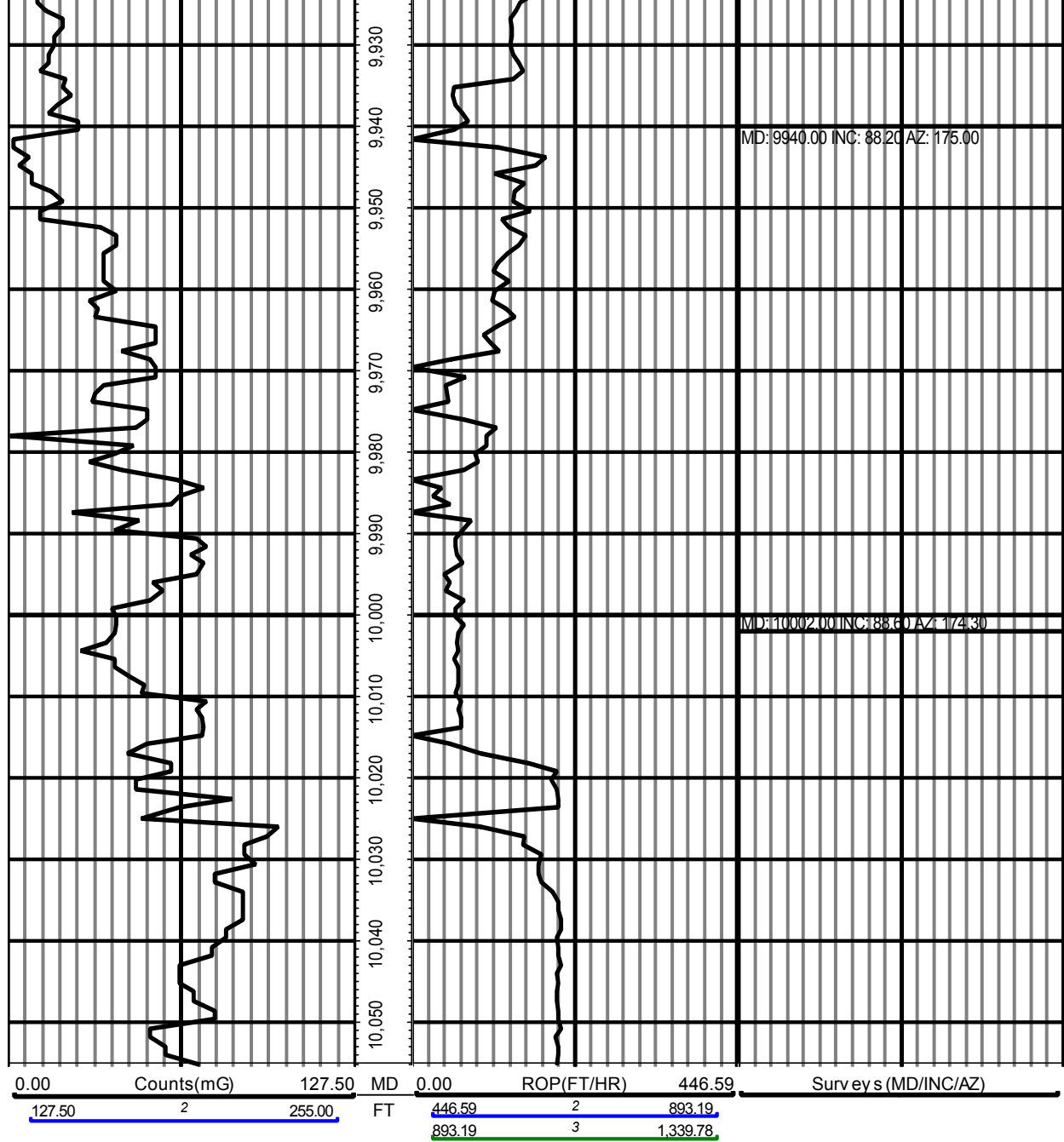














DDC

**RM-140026**

1":100' - MD

1/14/2014 4:23:43 AM

**Oper. Company:** Noble Energy Inc.**Country:** USA**State / Province:** Colorado**County / Parish:** Weld**Started:** 01/08/2014 03:30 PM**API/UWI:** 05-123-37484**Field:** WildCat**Well:** Castor Federal LD15-75-1HN**Rig:** H&P 326**Ended:** 01/14/2014 03:00 AM**Personnel****Day Hand:** Bob Kubistek**Night Hand:** Chris Abbott**Comp. Emp:****Location****Latitude:** 40° 45' 25.668 N**Longitude:** 103° 50' 56.040 W**Elev. GL:** 4706**Elev. DF:** 30**Elev. KB:** 4736**Hole Data**

Size	From	To
13 3/4	0	1222
8 3/4	1222	6165
6 1/8	6165	10055

**Casing Data**

Size	From	To
9 5/8	0	1222
7	0	6165
4 1/2	0	0

**Bit Sizes**

Size	From	To
13 3/4	0	1222
8 3/4	1222	5015
6 1/8	5015	10055

**Mud Data**

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.20		38				0	10055

**Tool Run Data**

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
205	36	0	1/8/2014 3:30:05 PM	1222	1/9/2014 10:30:05 AM	5015
205	36	0	1/9/2014 11:30:34 AM	5015	1/10/2014 6:30:34 AM	6165
205	40	0	1/11/2014 8:30:18 AM	6165	1/14/2014 3:00:18 AM	10055

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      Counts(mG)      127.50      MD      0.00      ROP(FT/HR)      446.59      Surveys (MD/INC/AZ)

127.50      2      255.00      FT      446.59      2      893.19

893.19      3      1,339.78

