



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		MULL DRILLING COMPANY, INC.	
Well	APC - DOUG #1-25		
Field	LOMA		
County	CHEYENNE	State	COLORADO
Location:	APC - DOUG #1-25		Other Services CDL/CNL/PE DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	4295
Log Measured From	KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	12/10/12		
Run Number	TWO		
Depth Driller	5560		
Depth Logger	5565		
Bottom Logged Interval	5553		
Top Log Interval	300		
Casing Driller	8 5/8" @ 323'		
Casing Logger	326		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,800 PPM	
Density / Viscosity	9.2/57		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950 @ 84F		
Rmf @ Meas. Temp	.713 @ 84F		
Rmc @ Meas. Temp	1.14 @ 84F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.614 @ 130F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	12:30 P.M.		
Maximum Recorded Temperature	130F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PHIL ASKEY		

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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, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

CHEYENNE WELLS, CO., 12 1/2S. ON HWY 385 TO "RD. C", 5 1/2W. TO RADIO TOWER, 1S., 1E. INTO

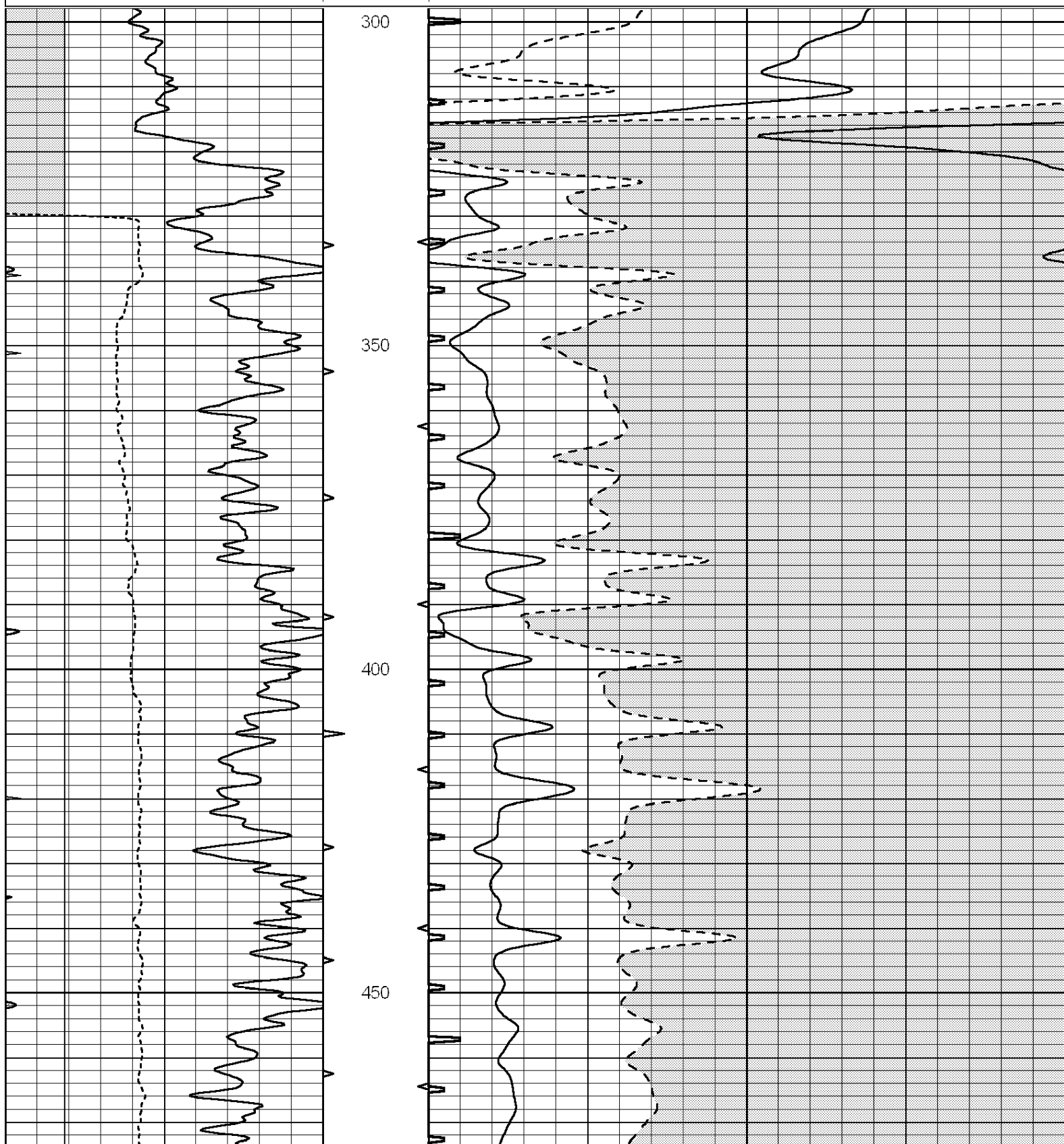


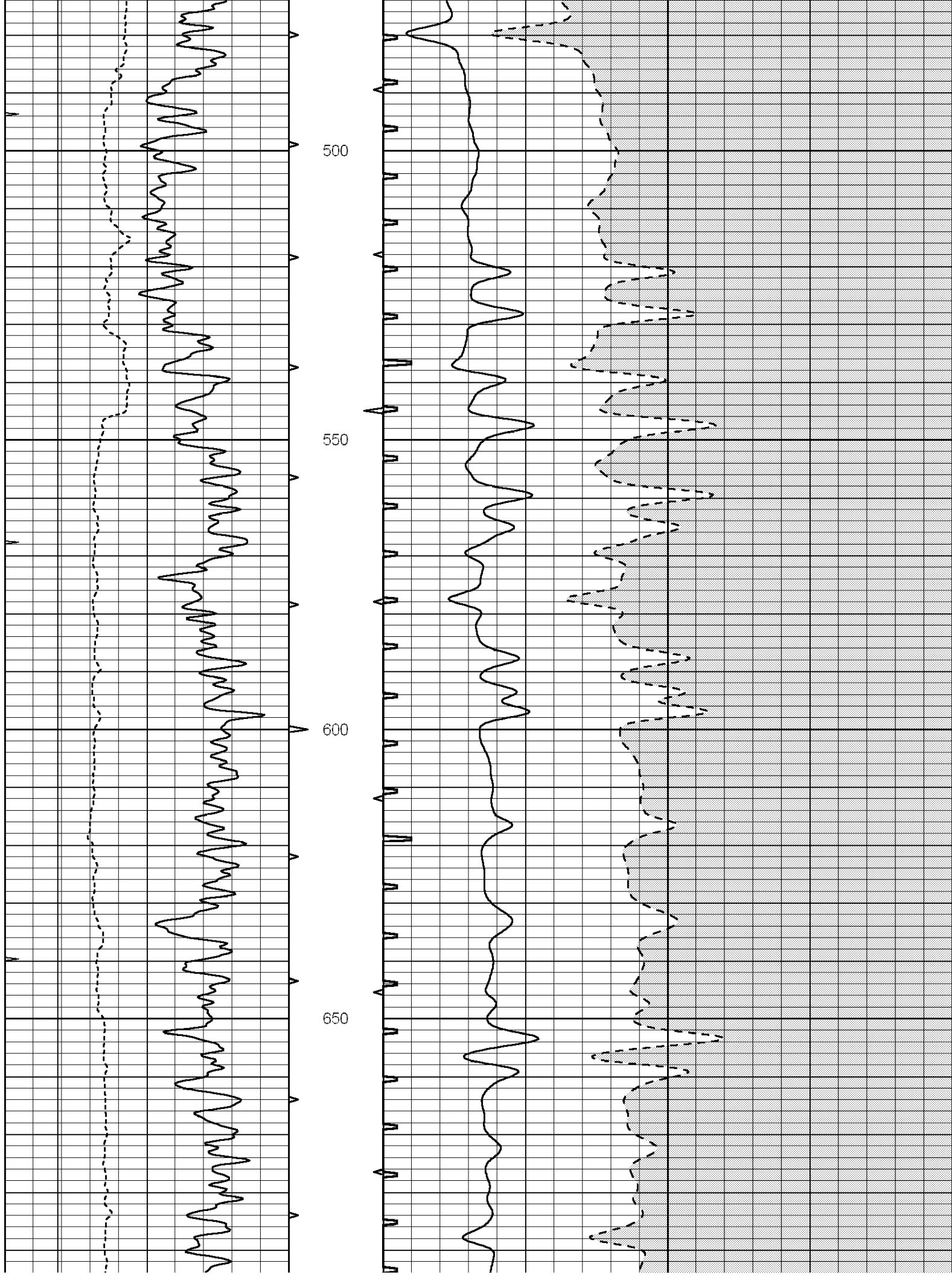
**COMPLETION
& PRODUCTION**

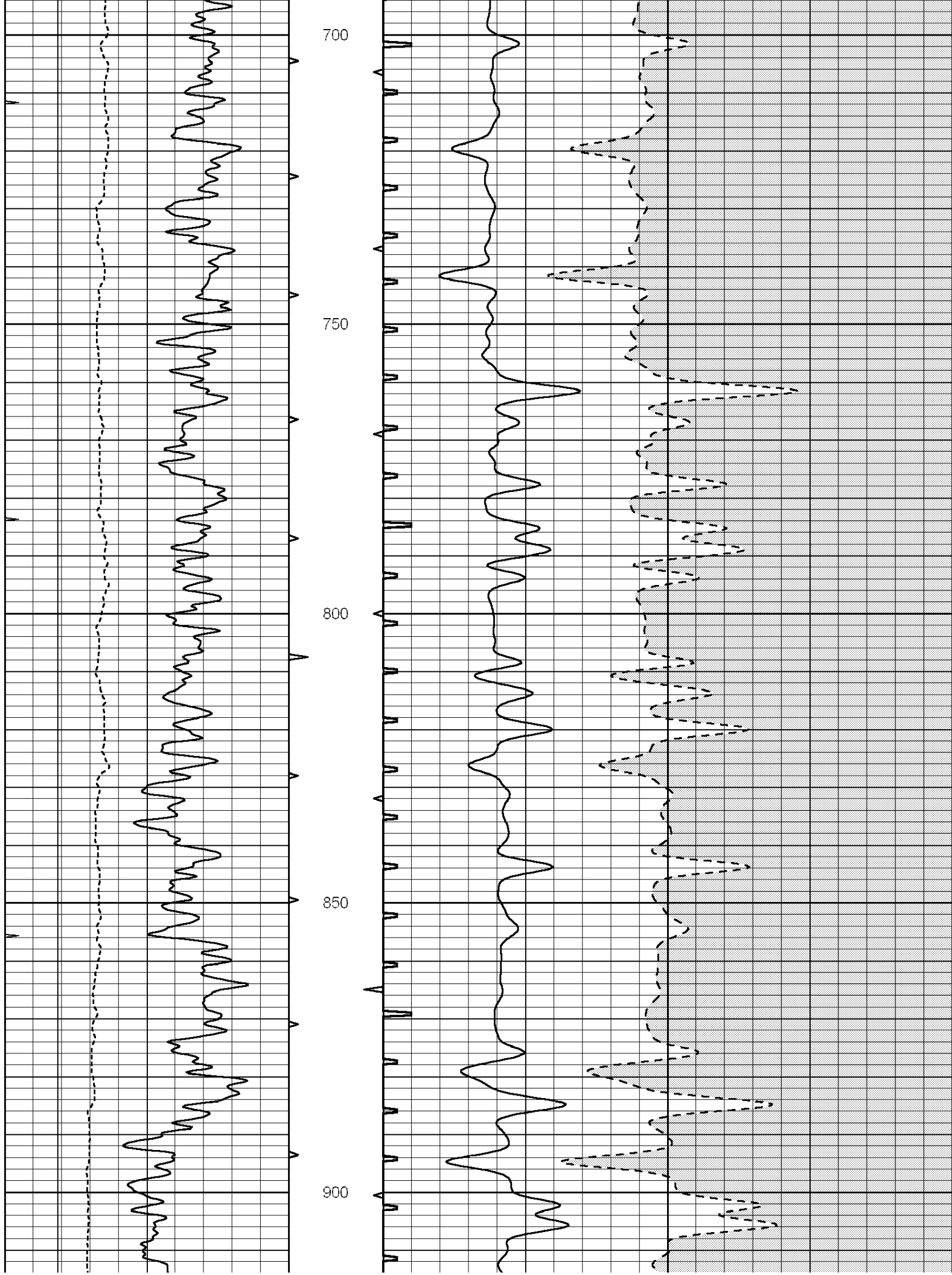
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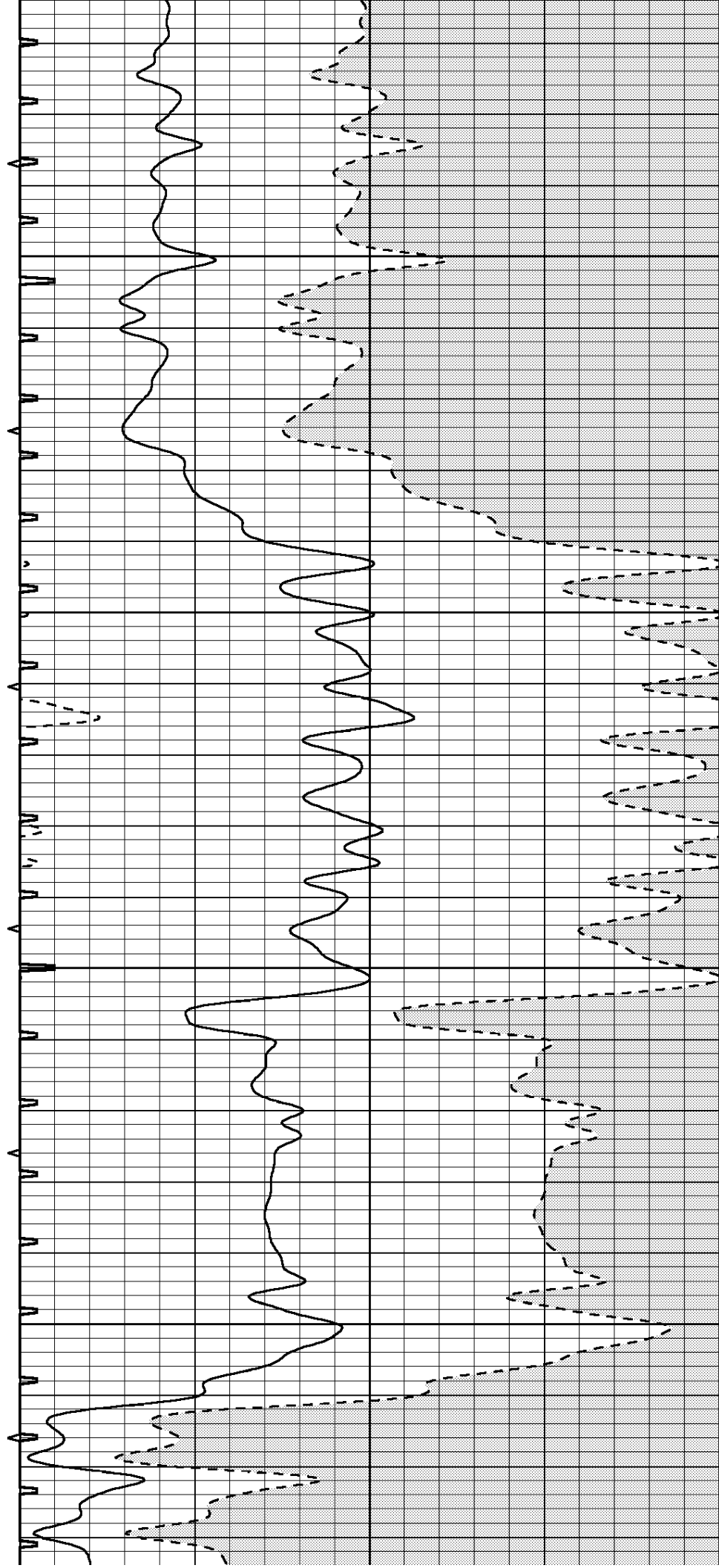
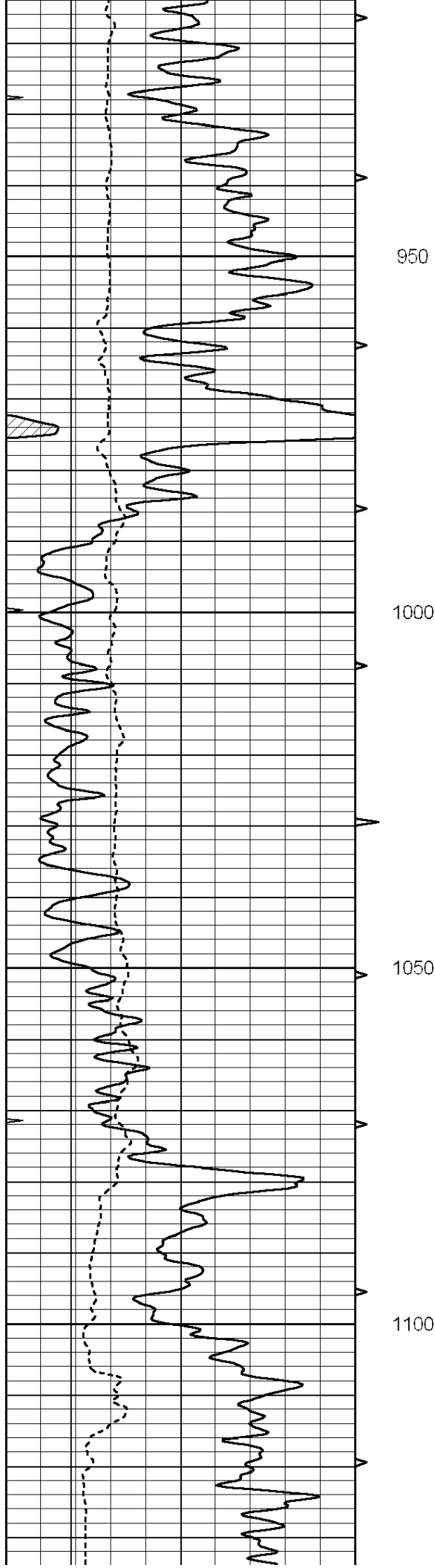
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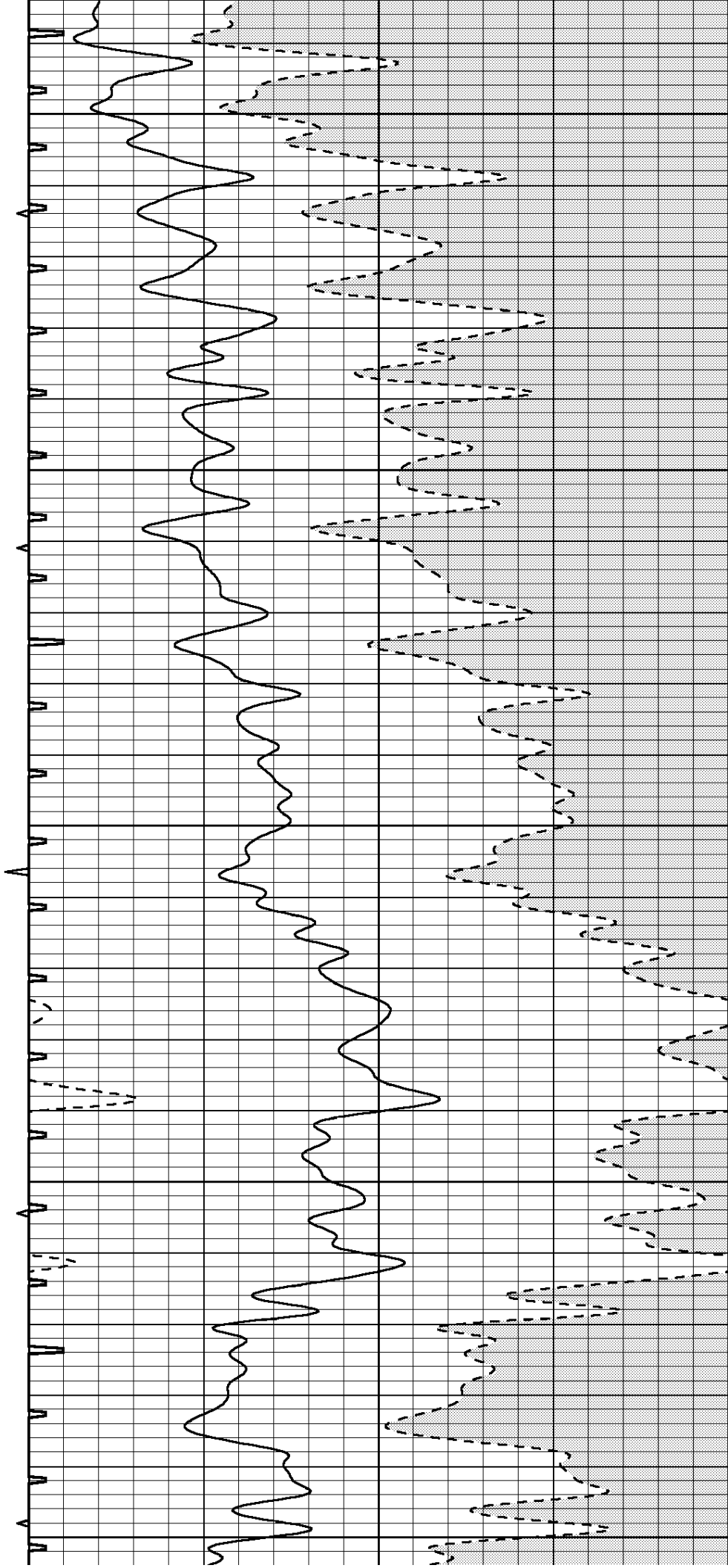
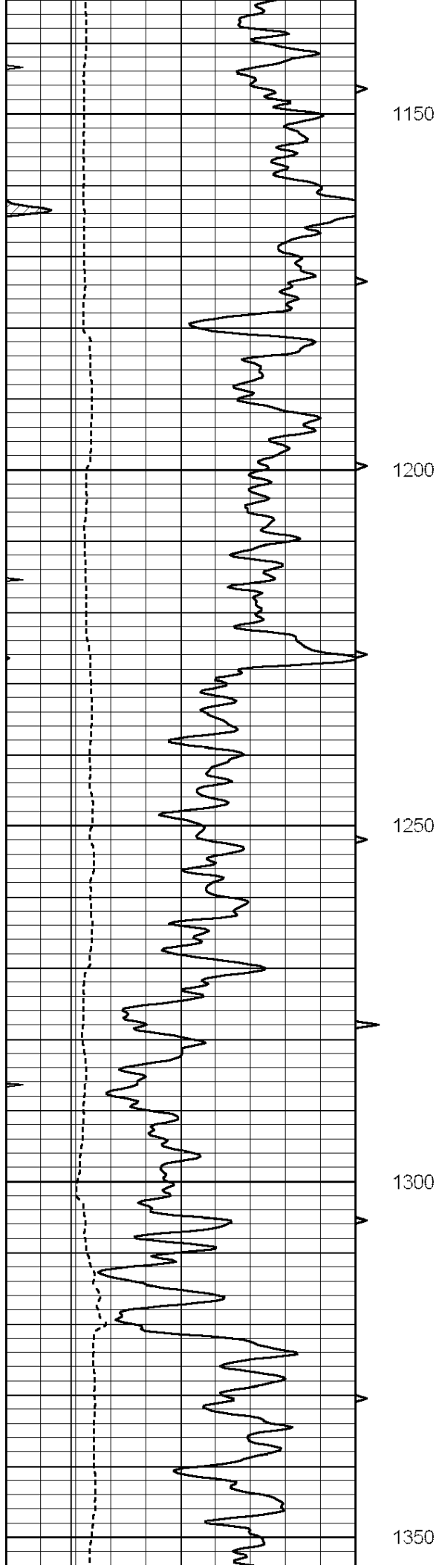
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			

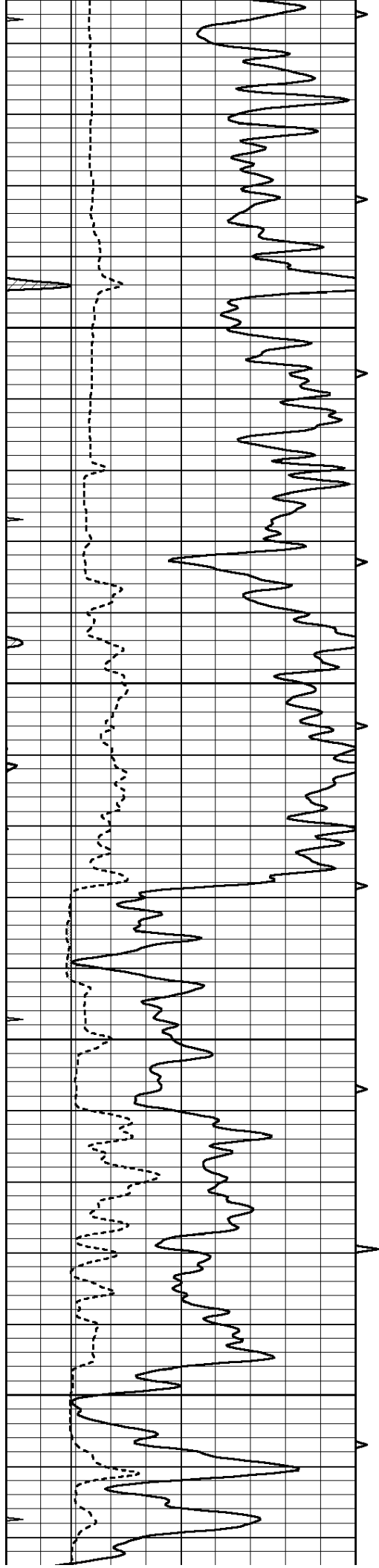










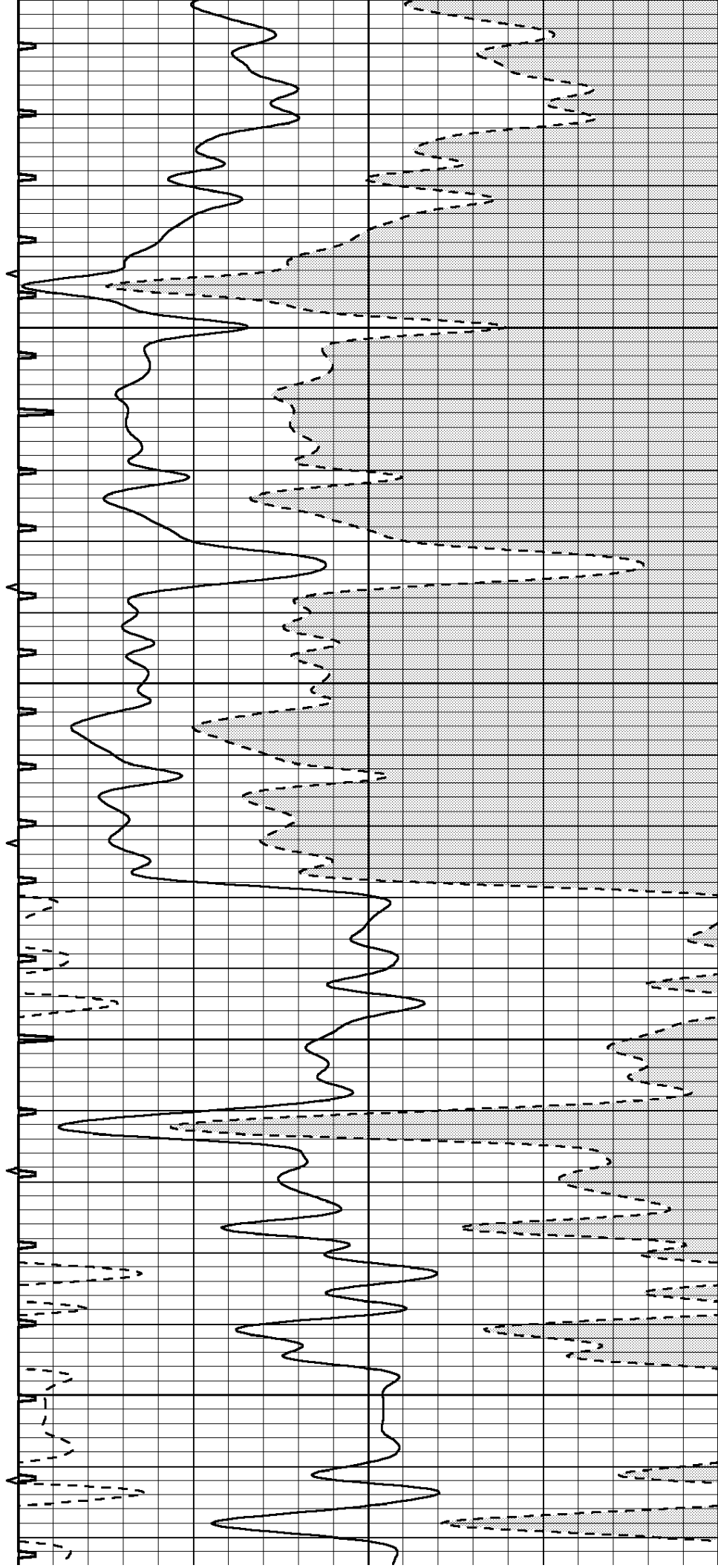


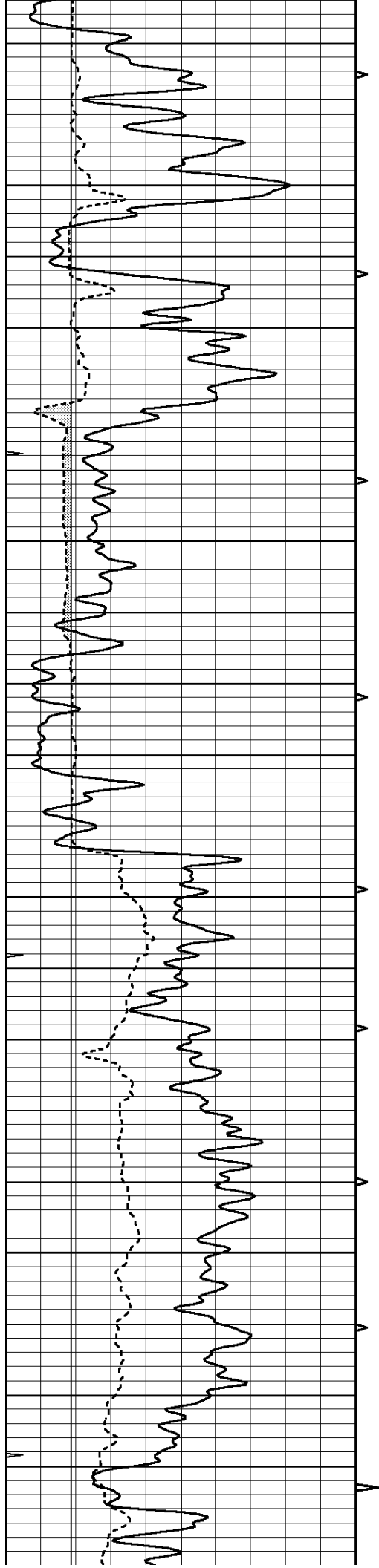
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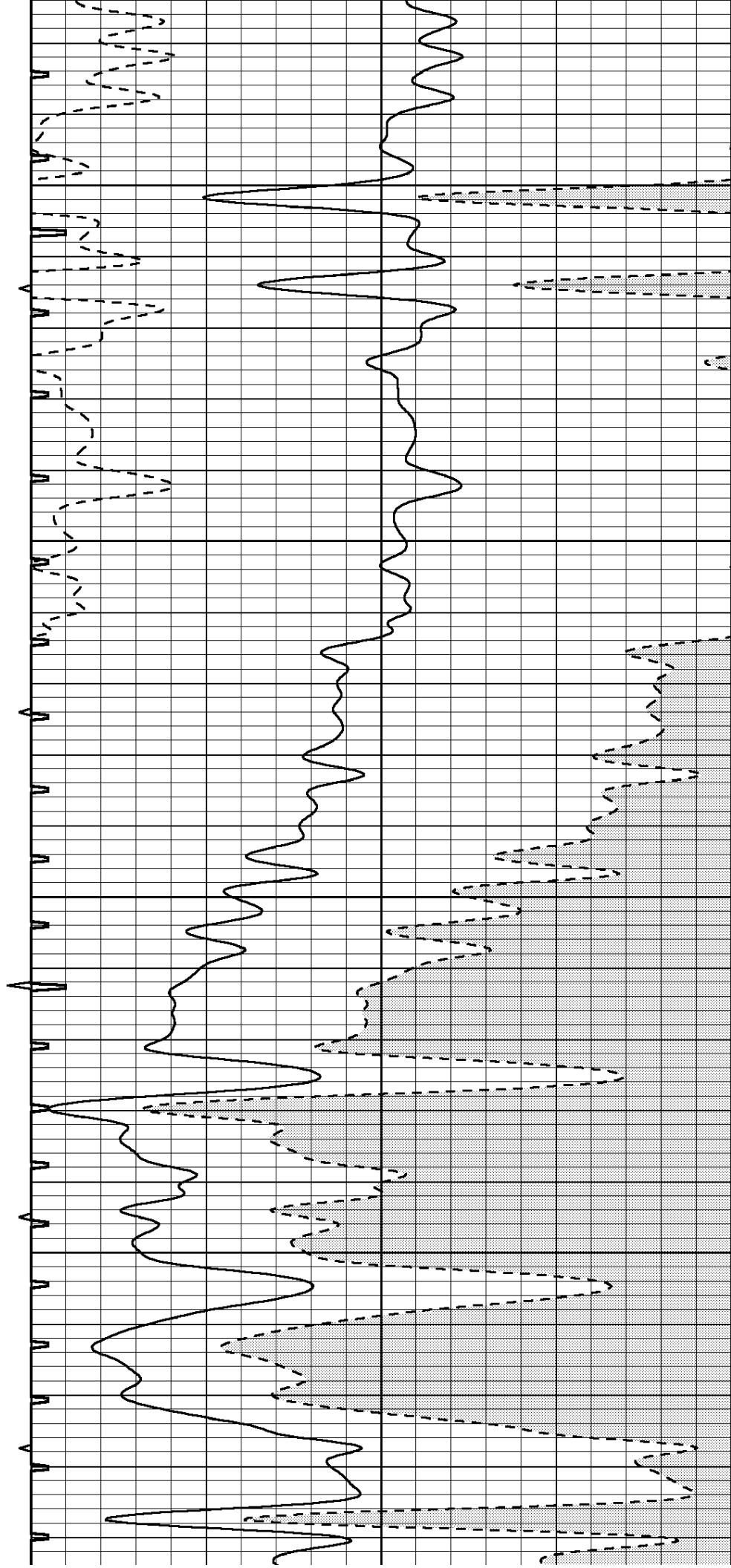


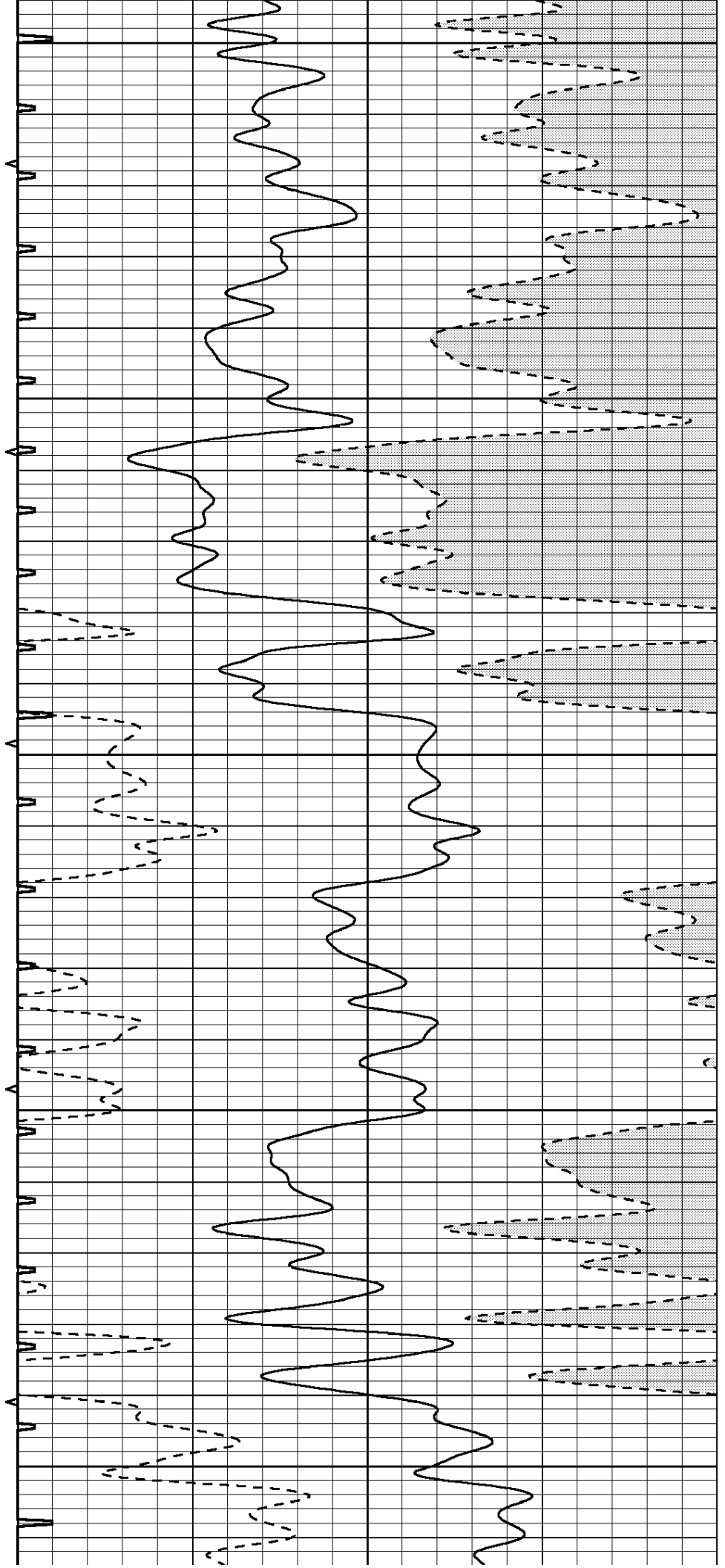
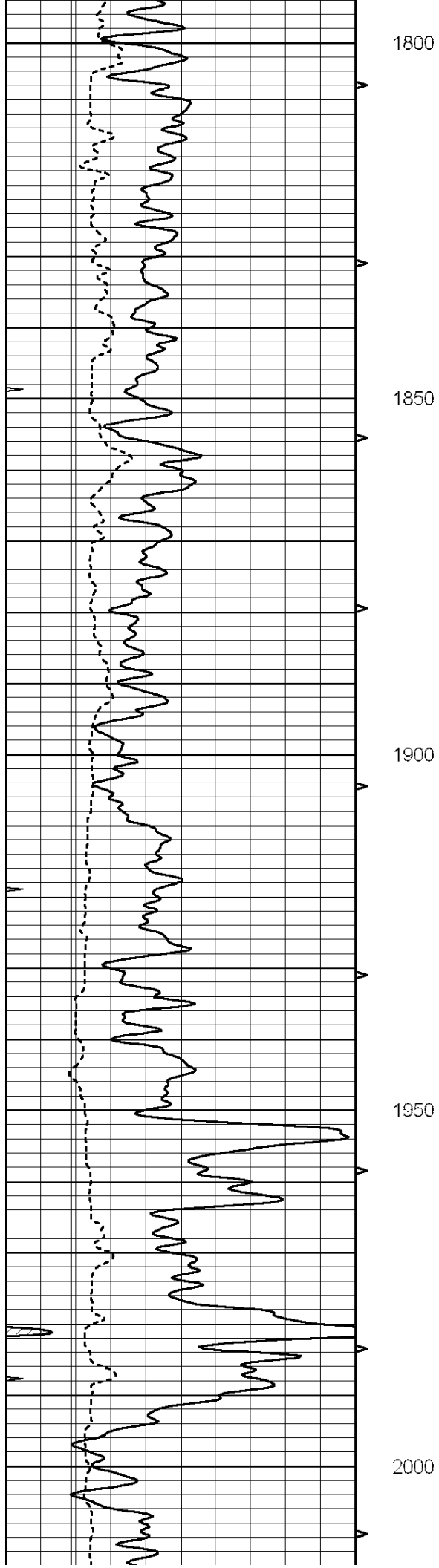
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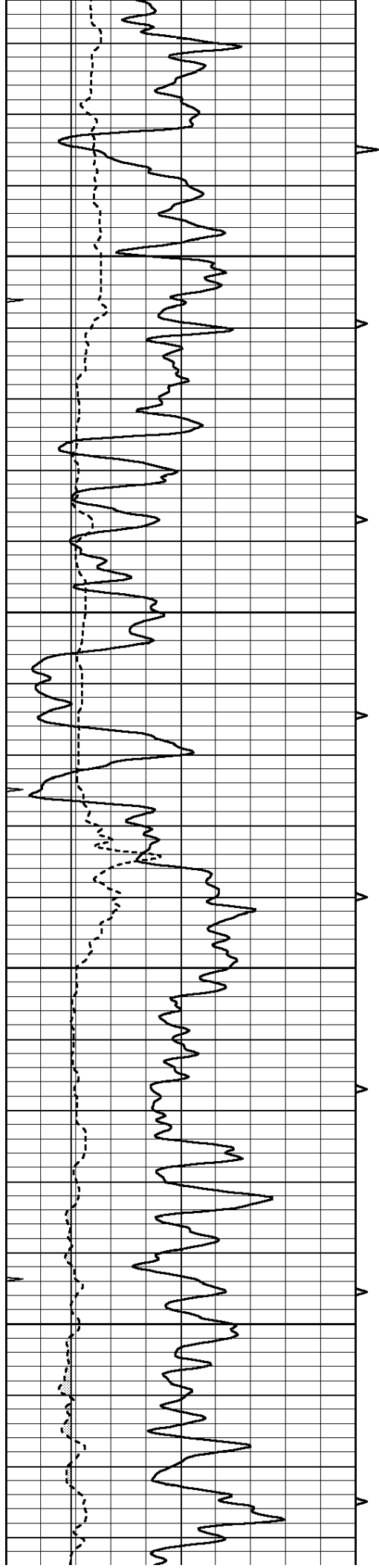
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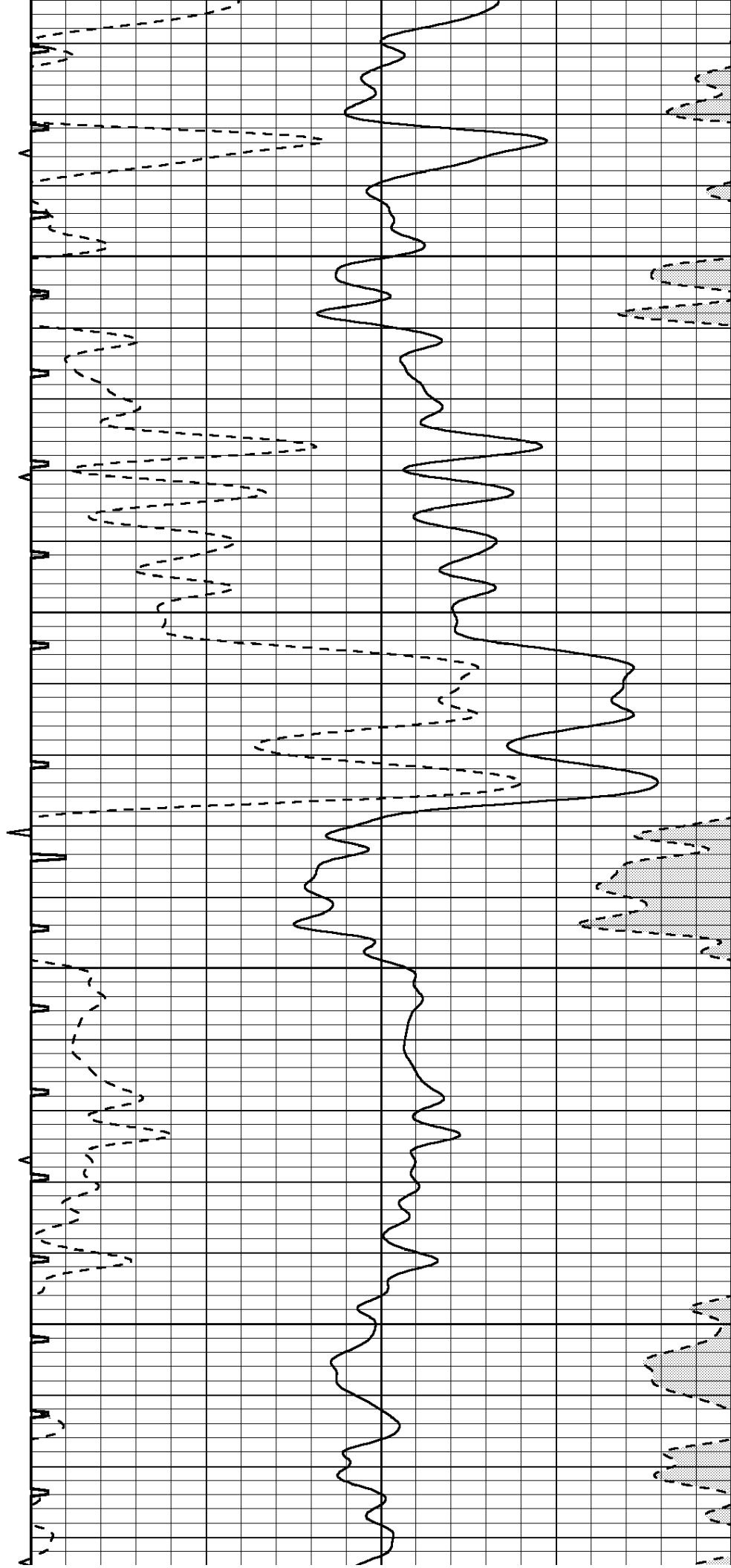


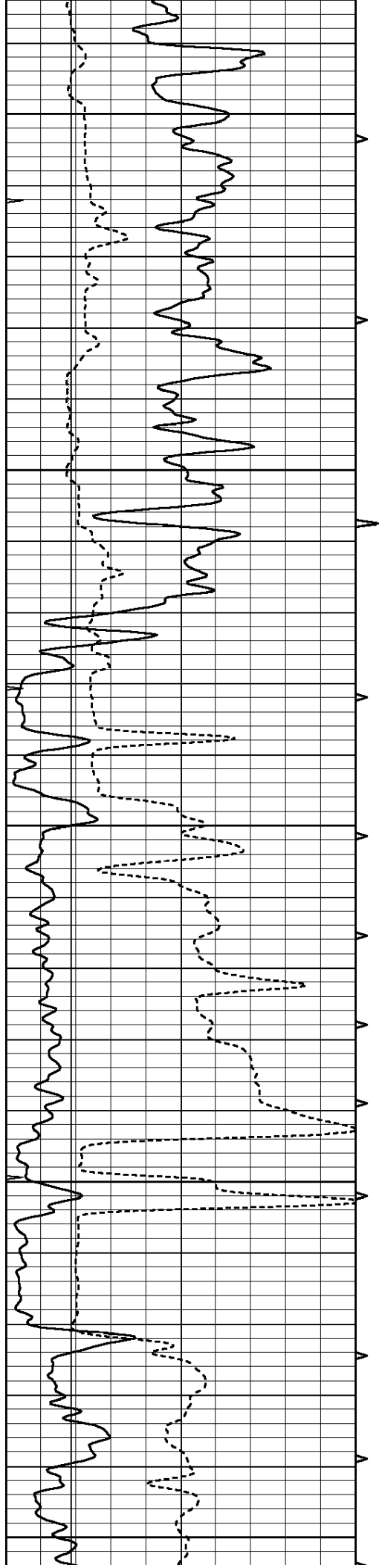
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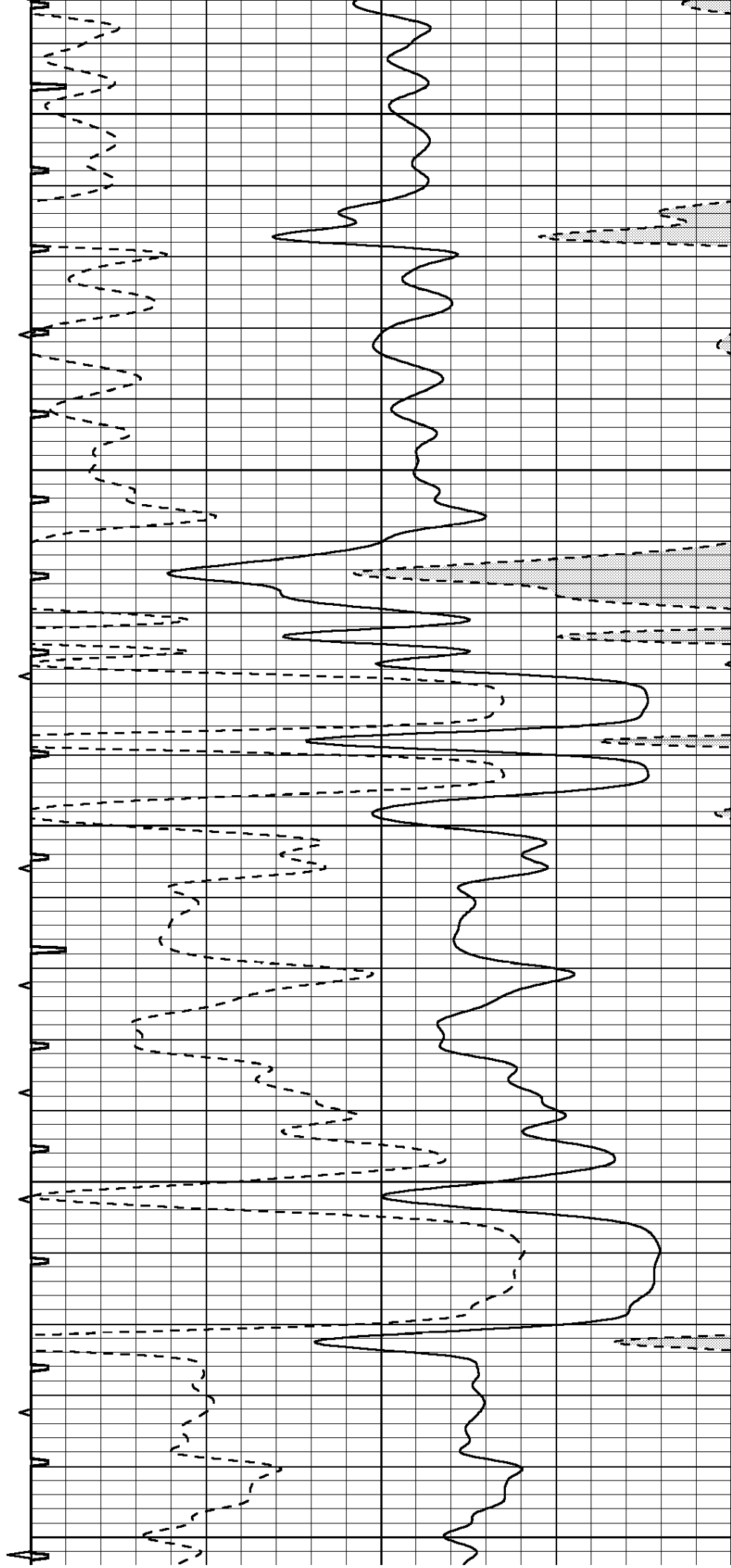
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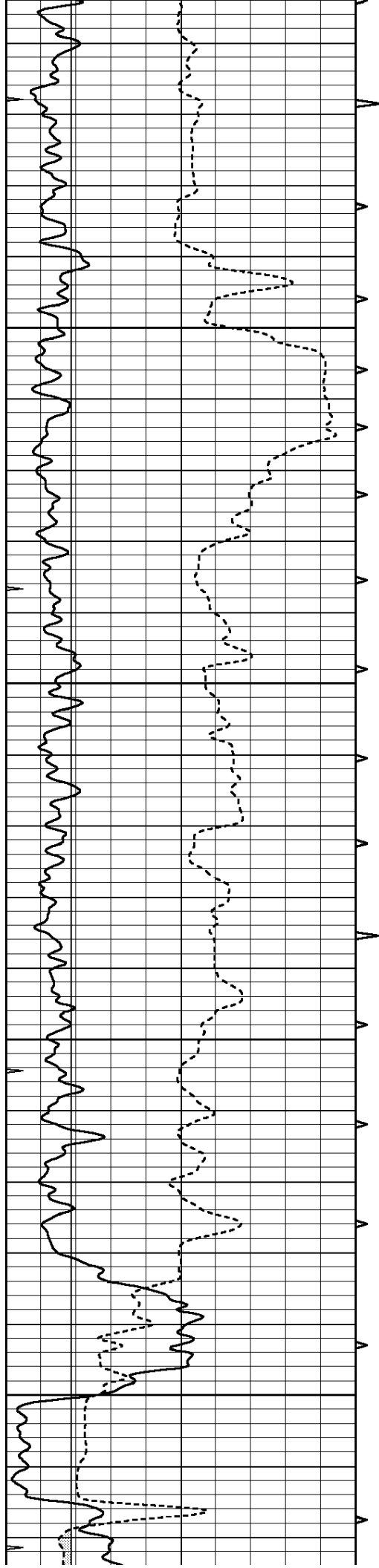
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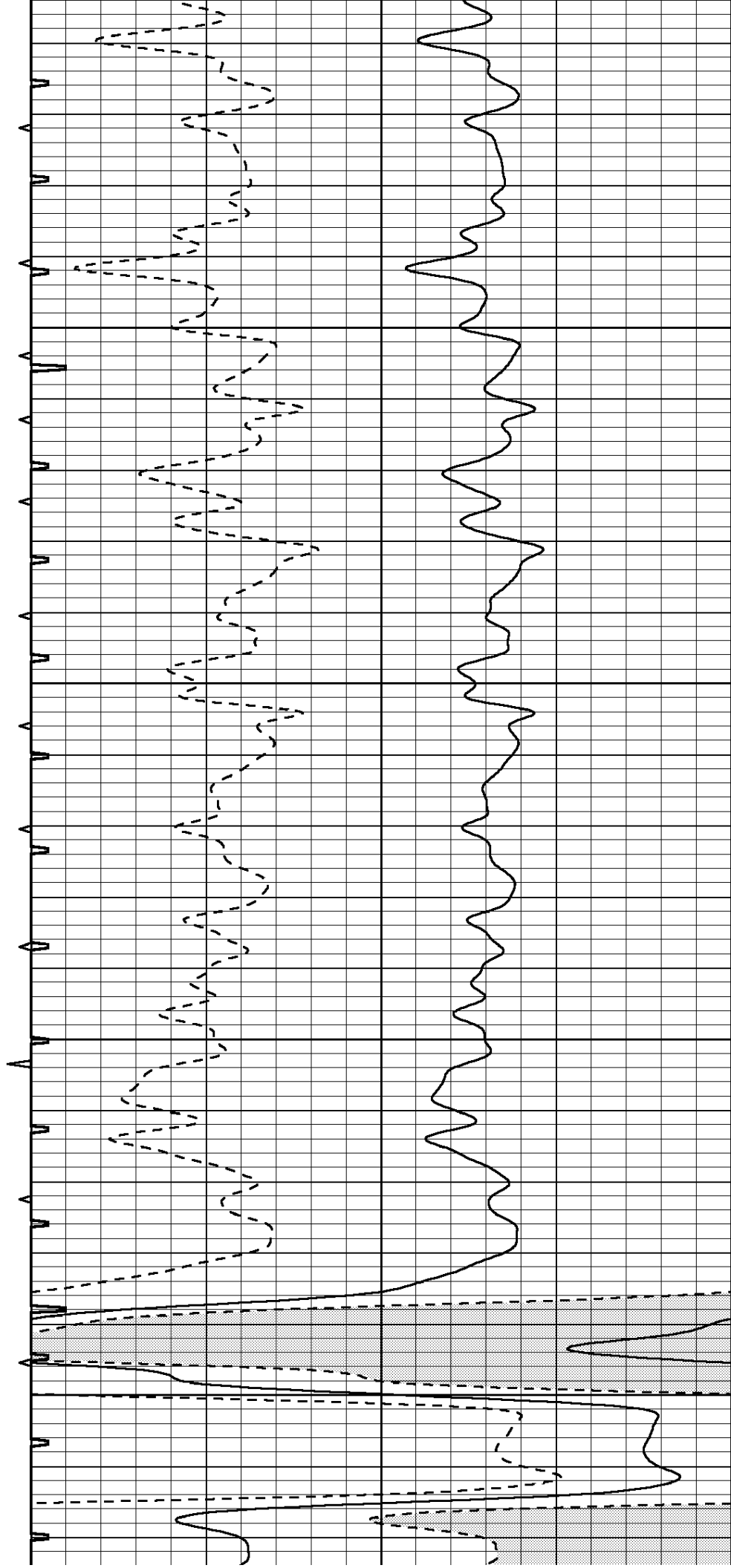


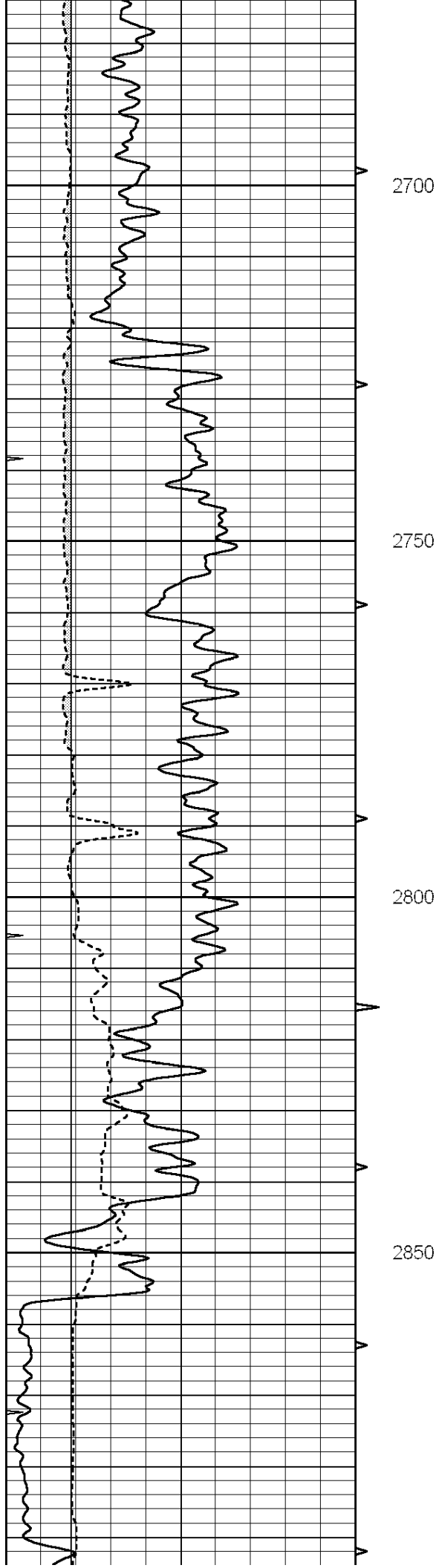
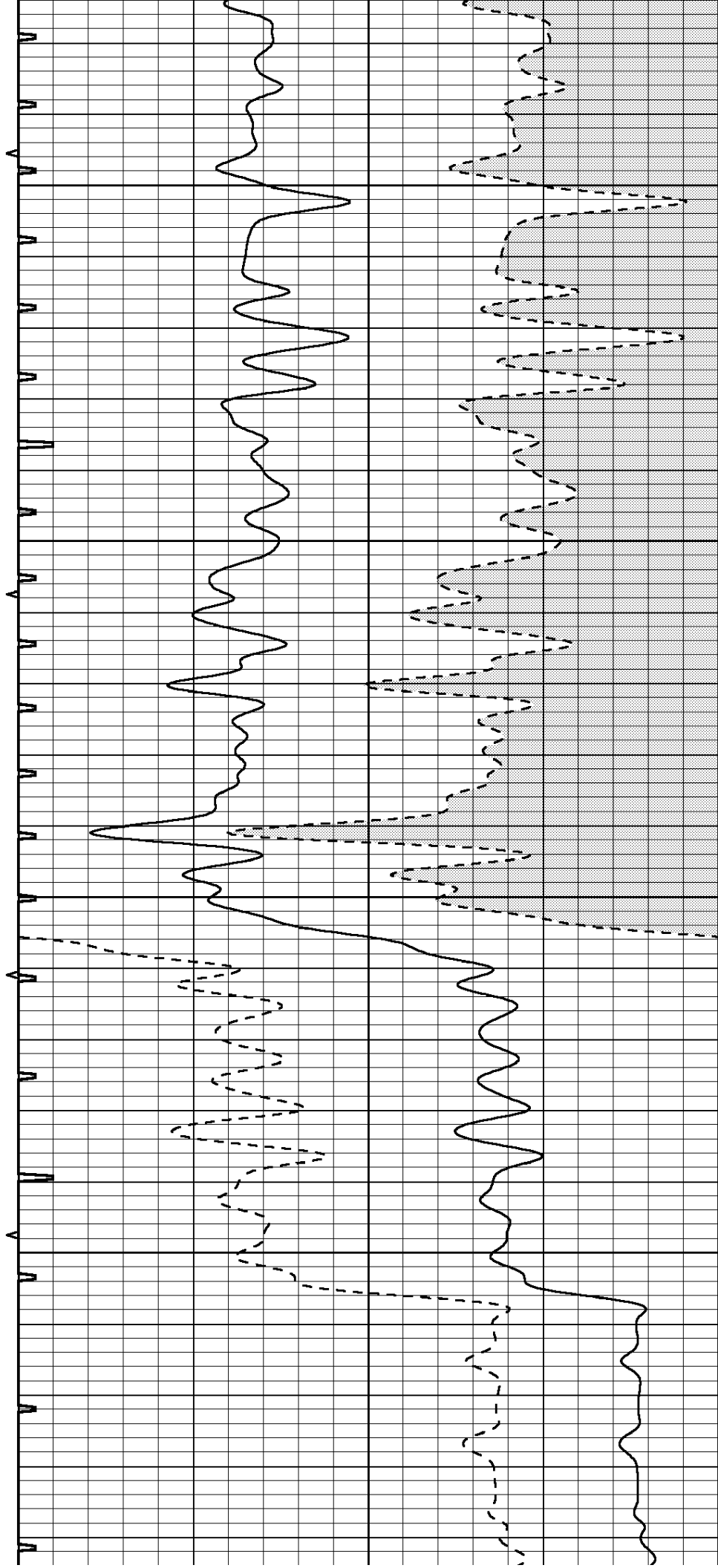
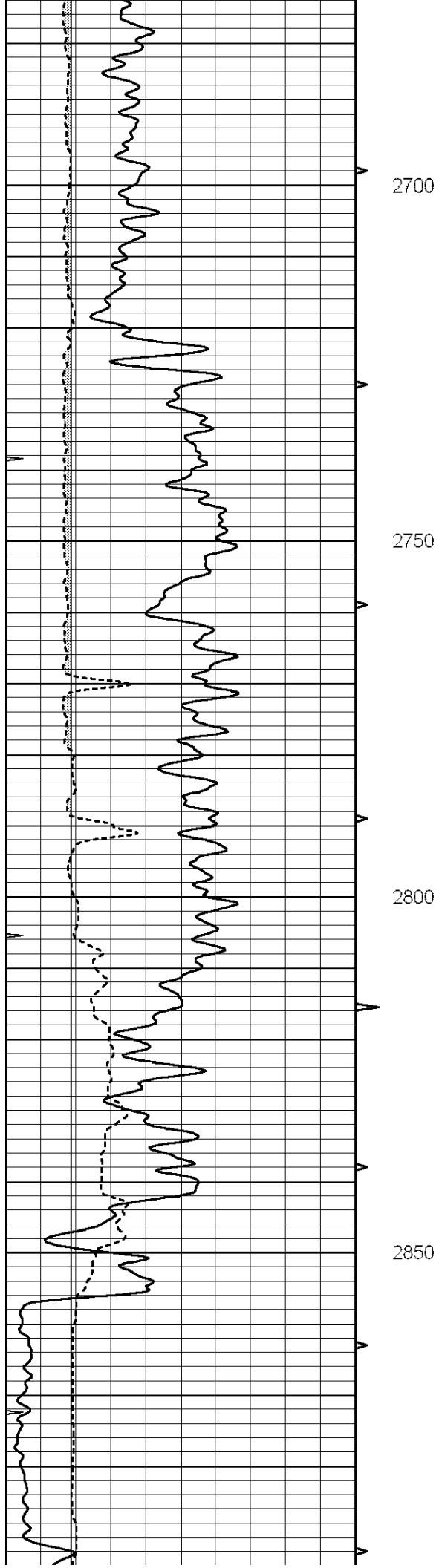
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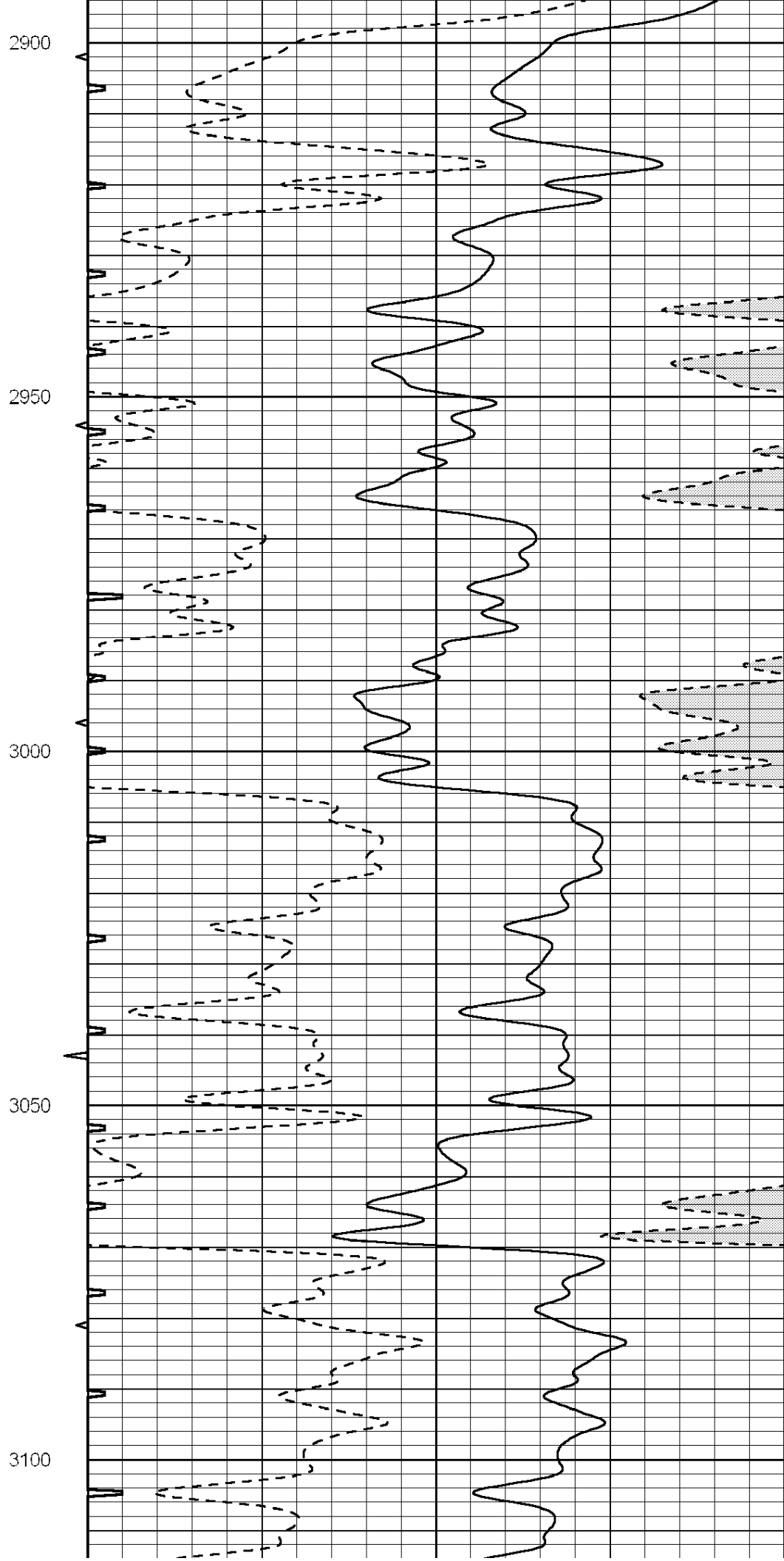
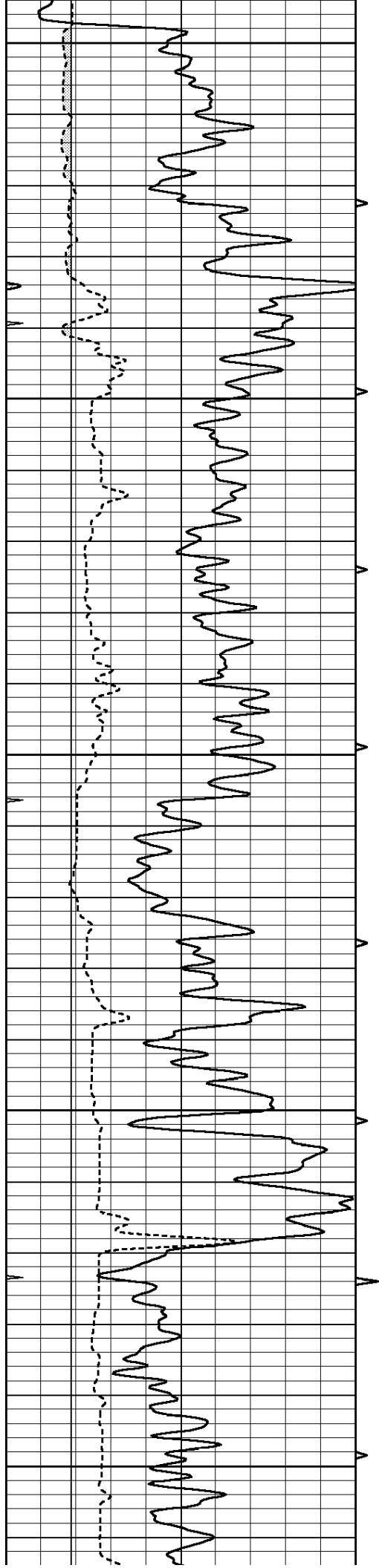
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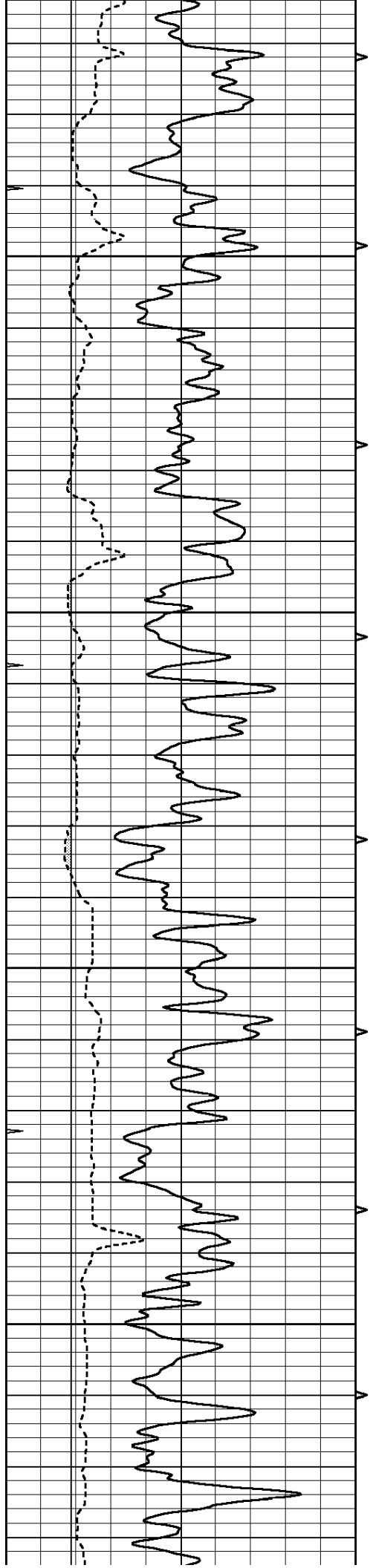
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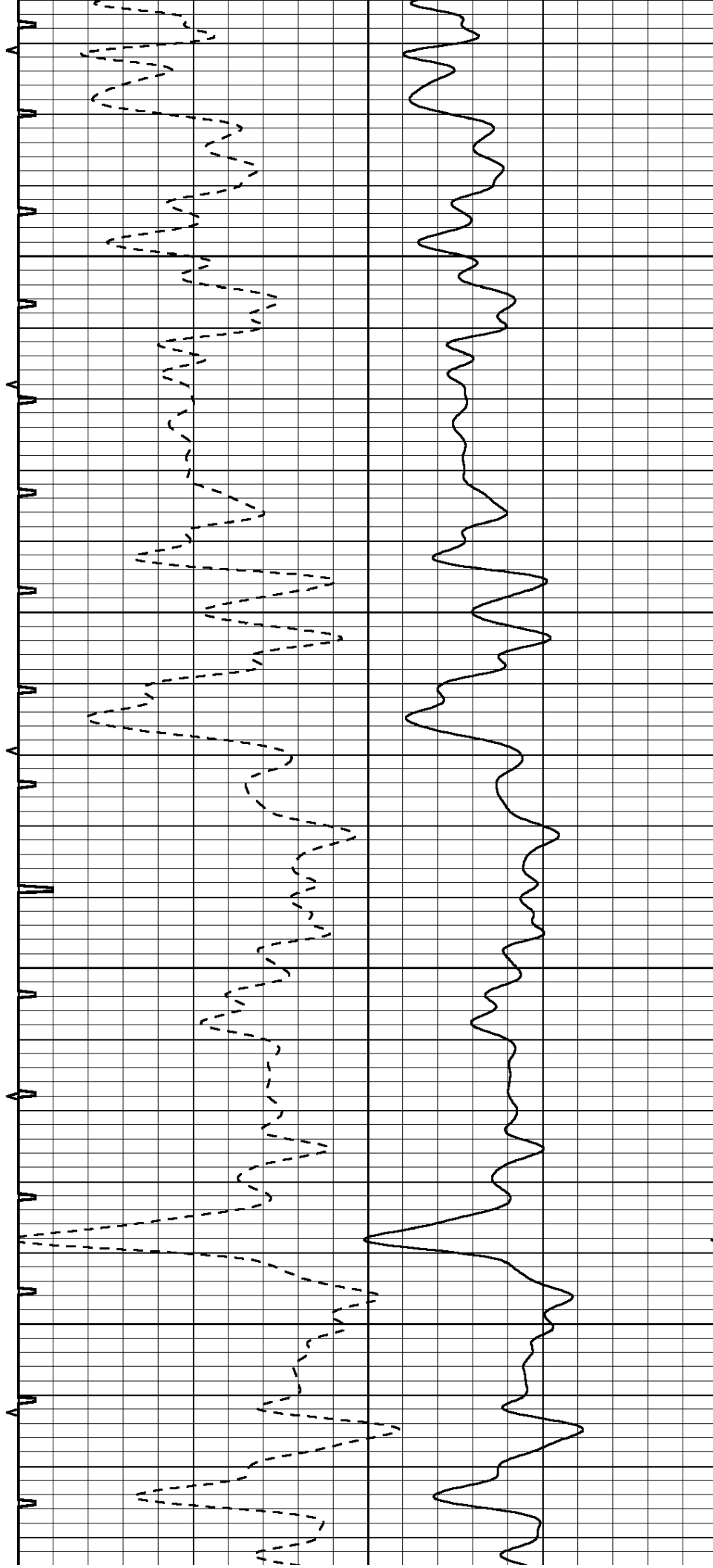


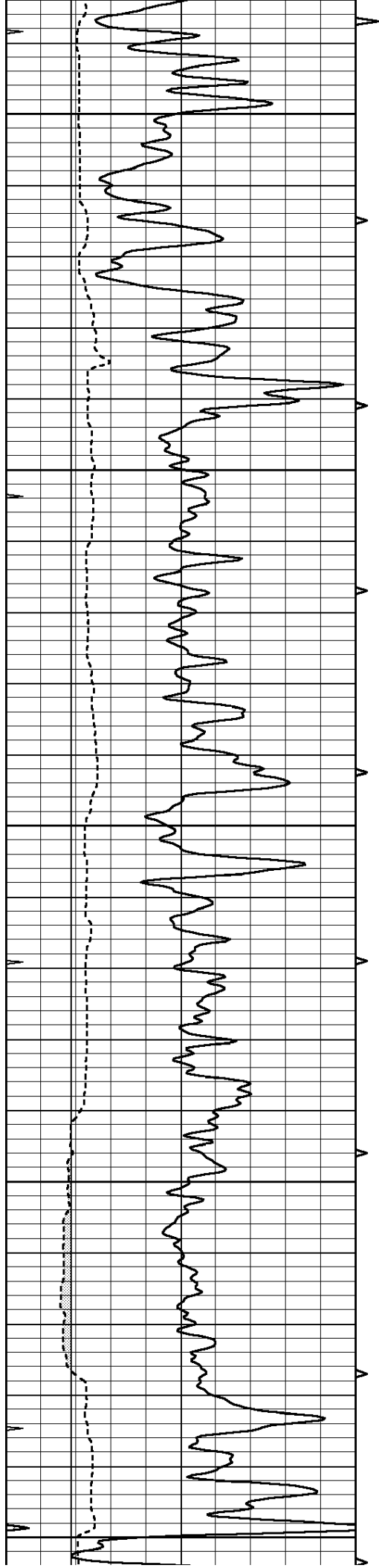
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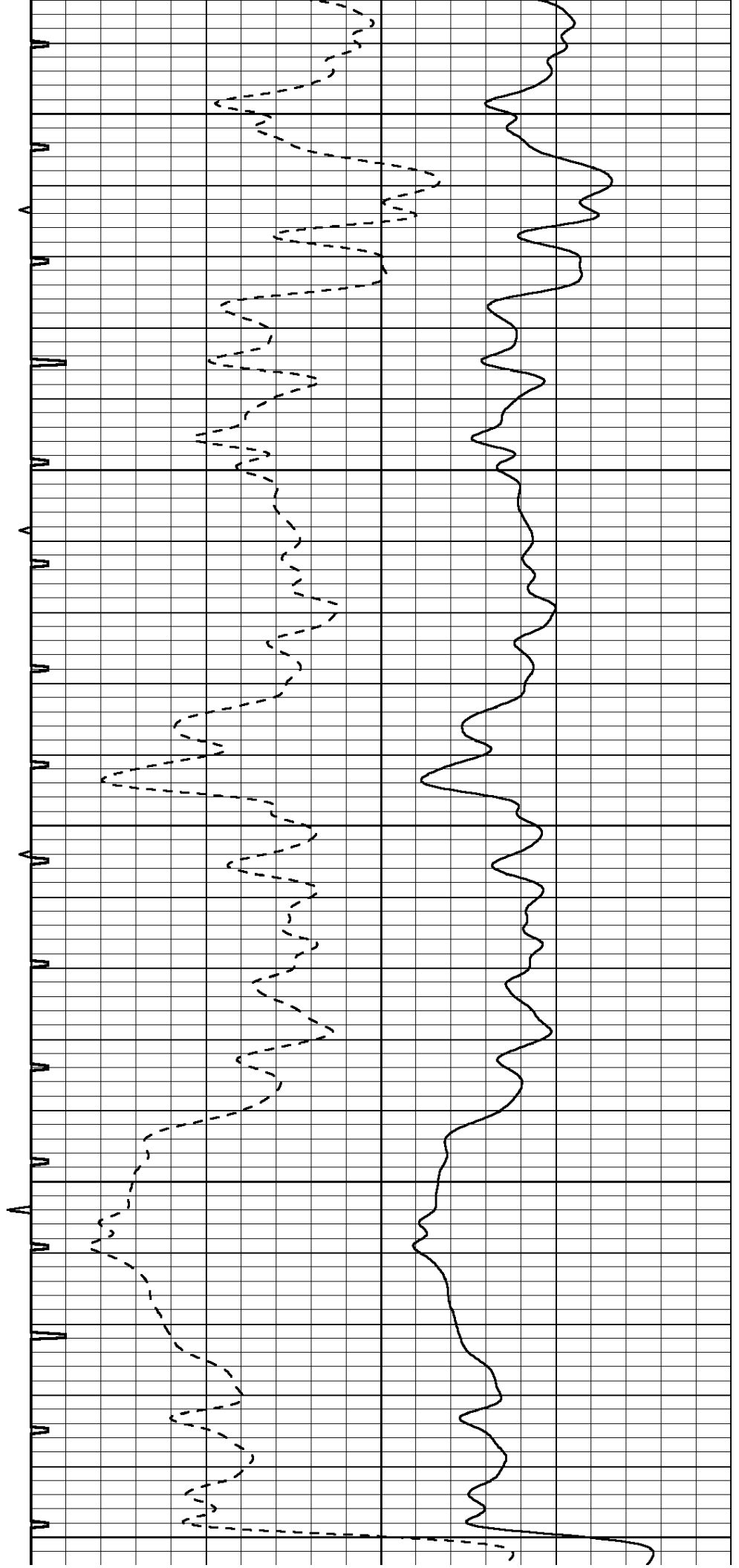
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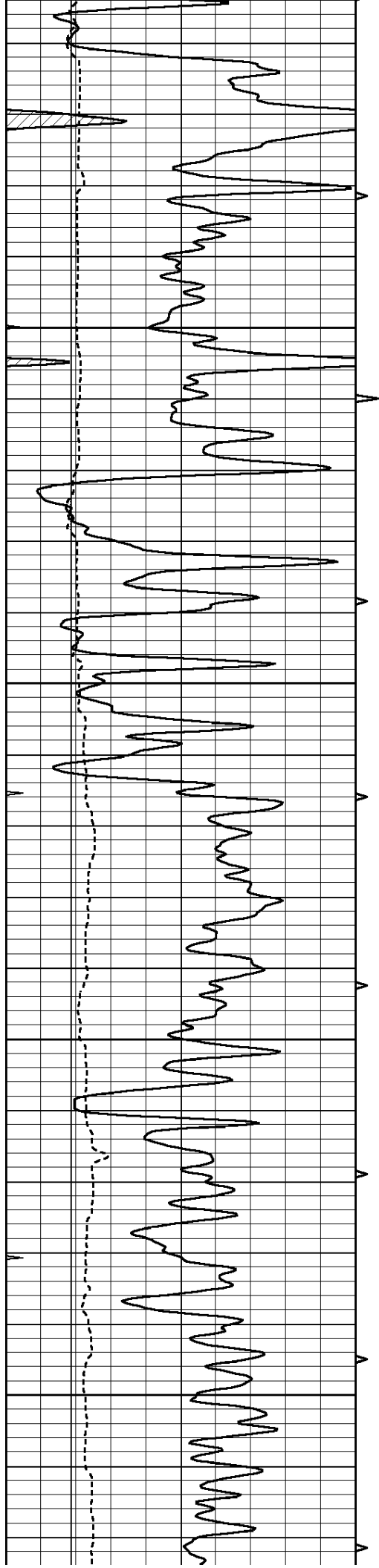
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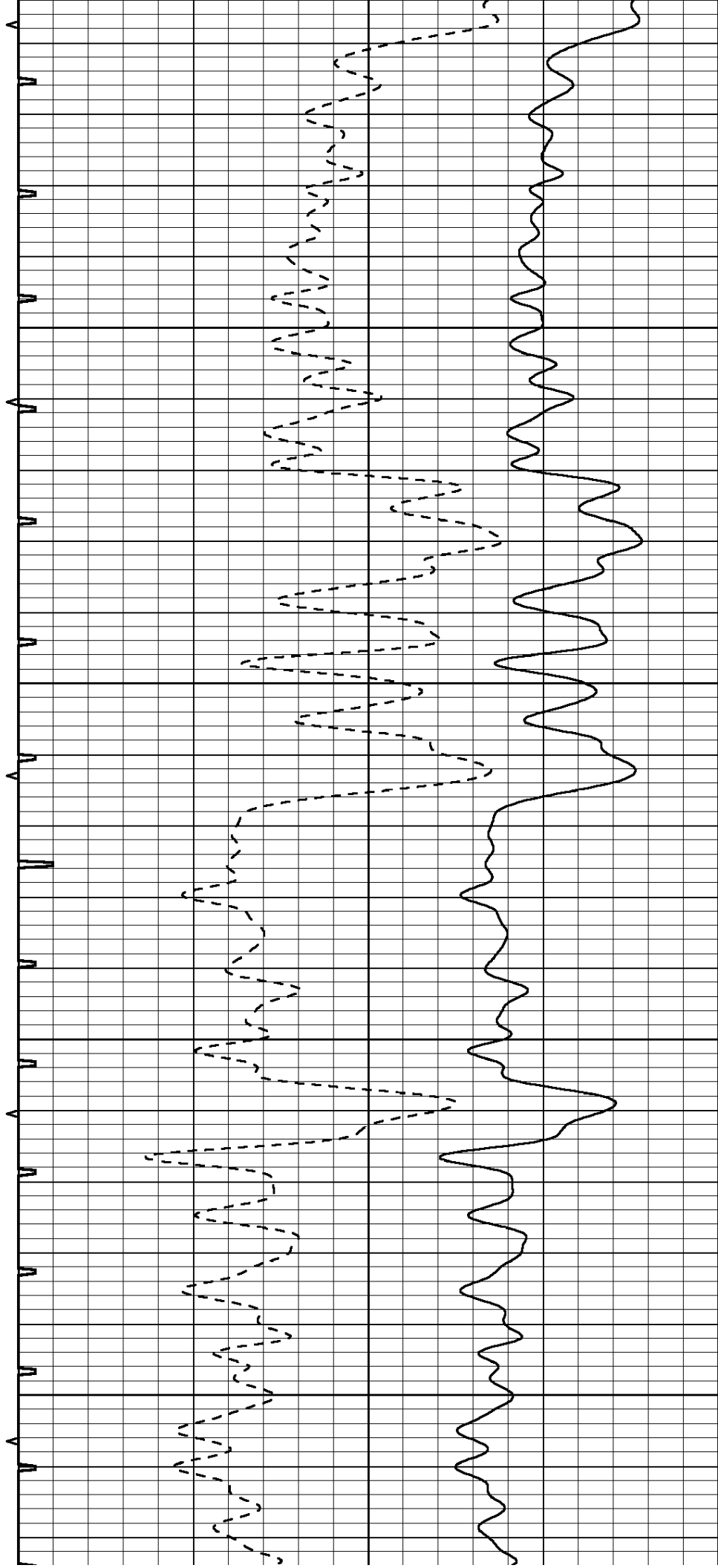


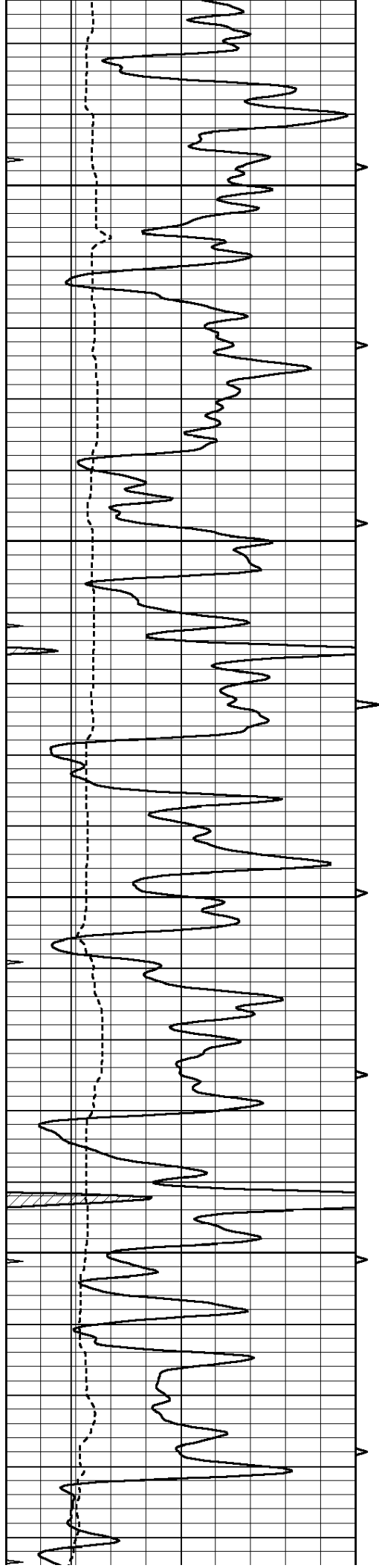
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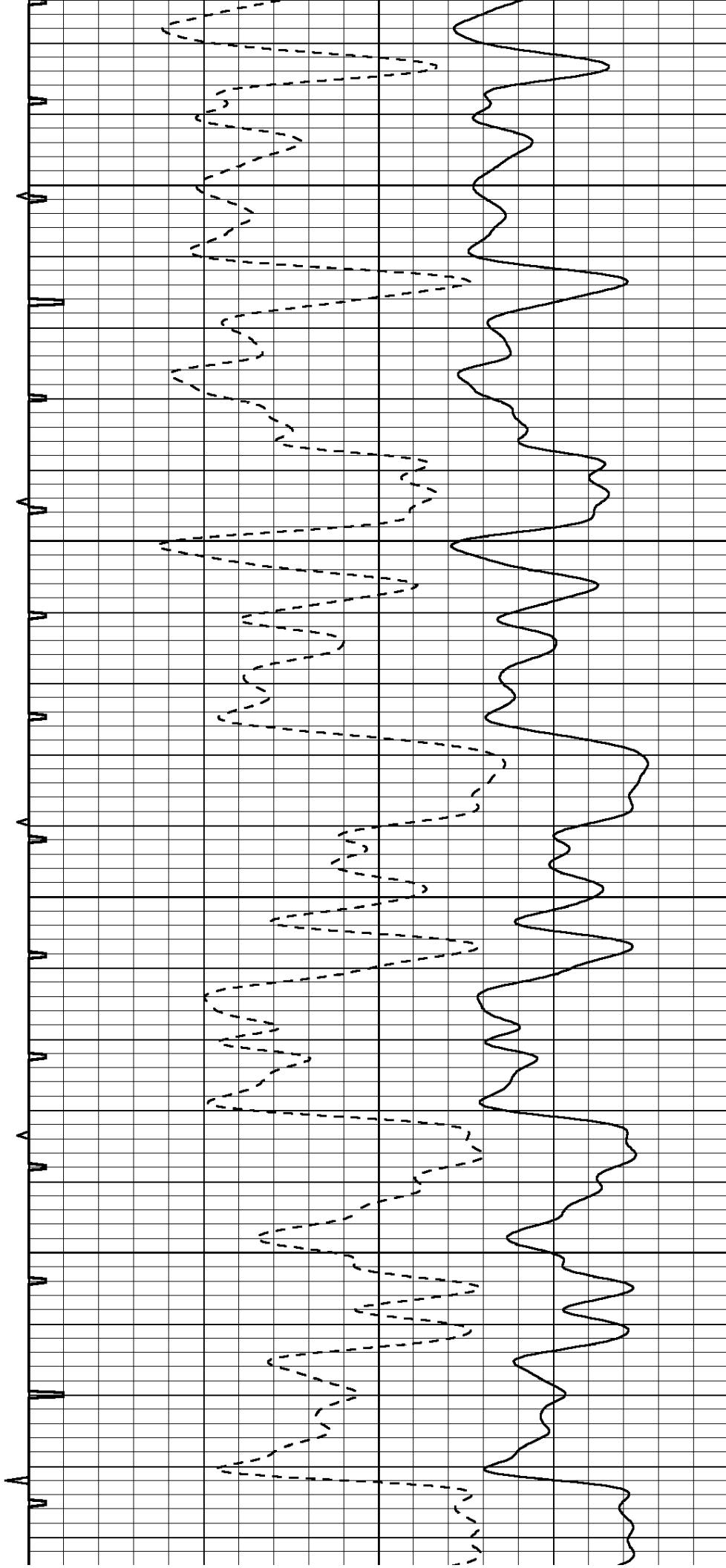


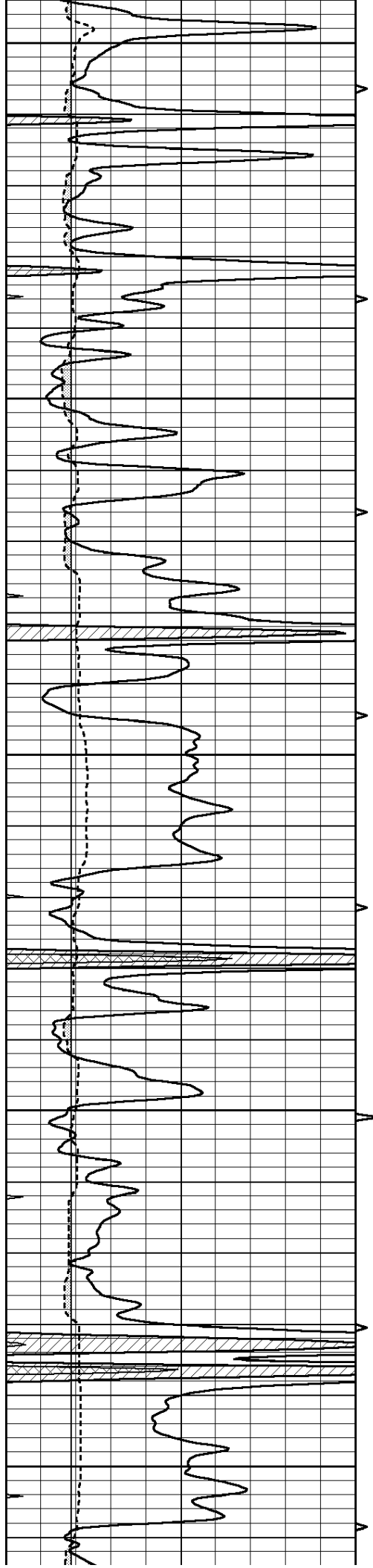
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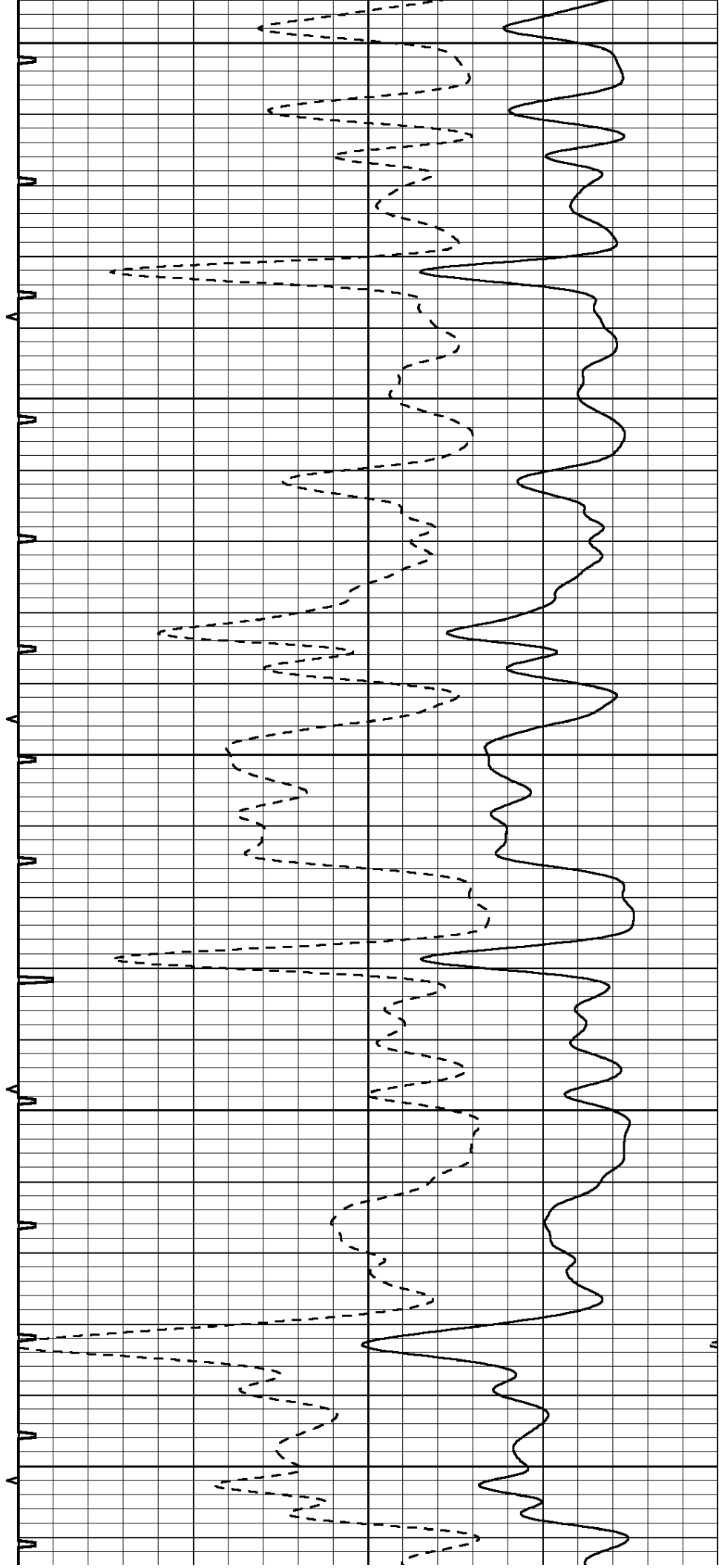
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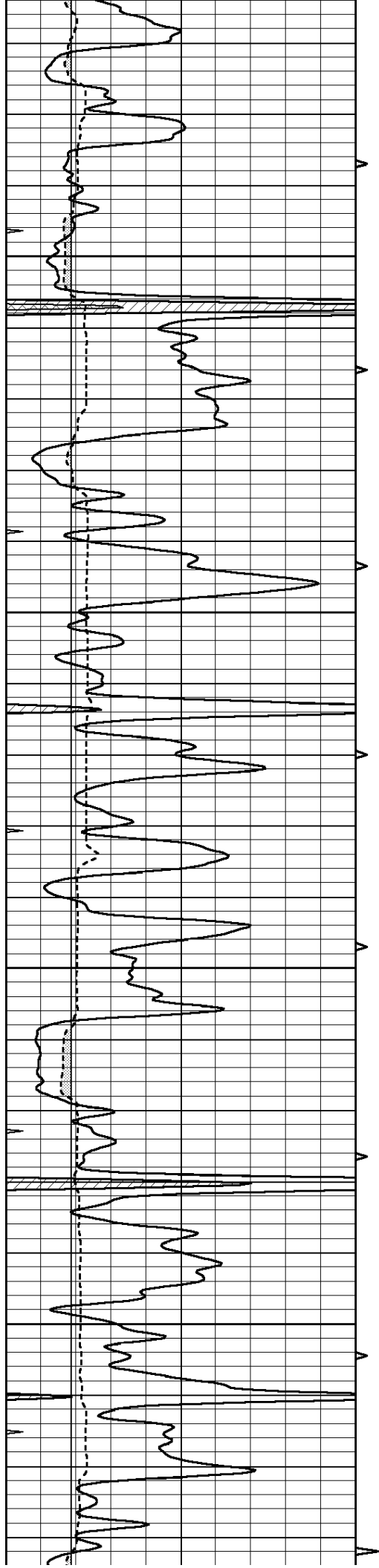
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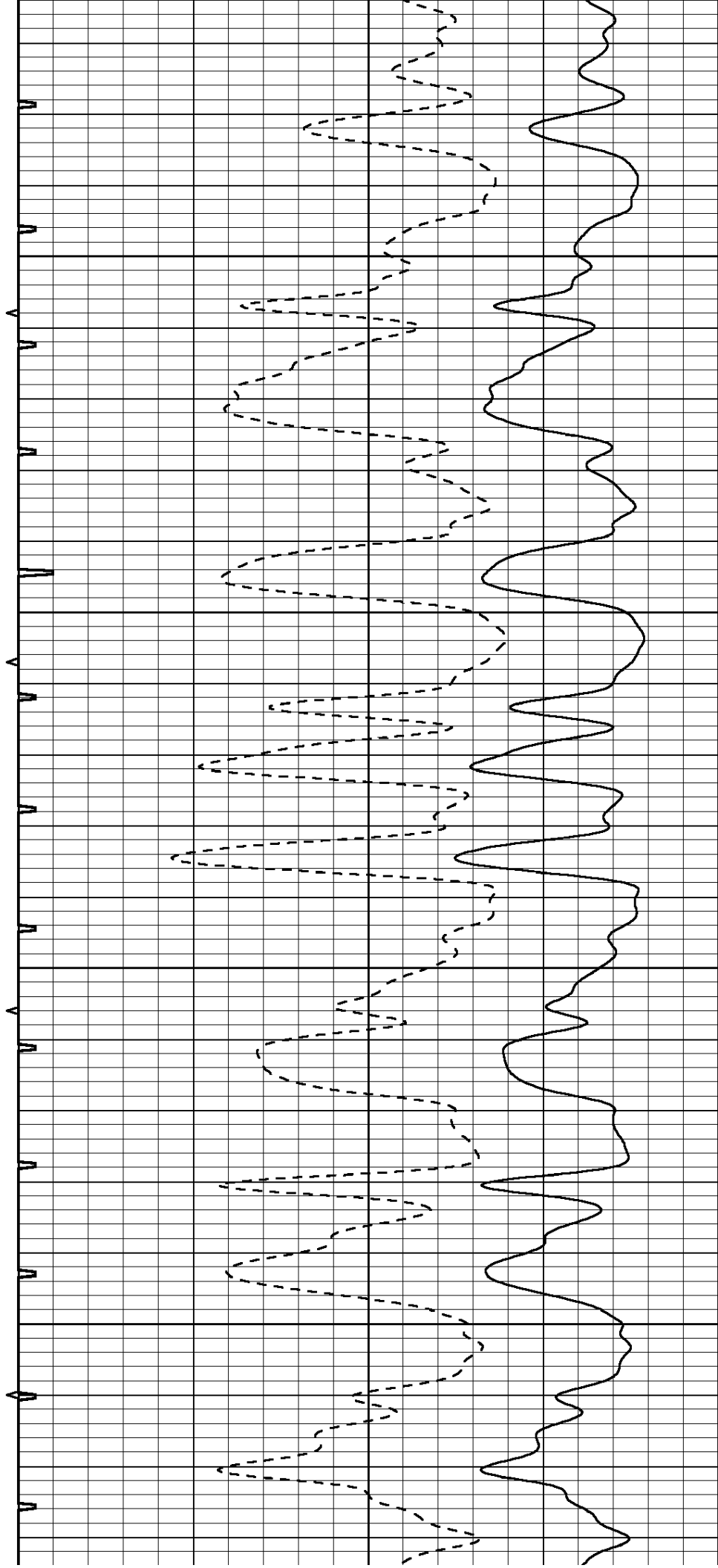


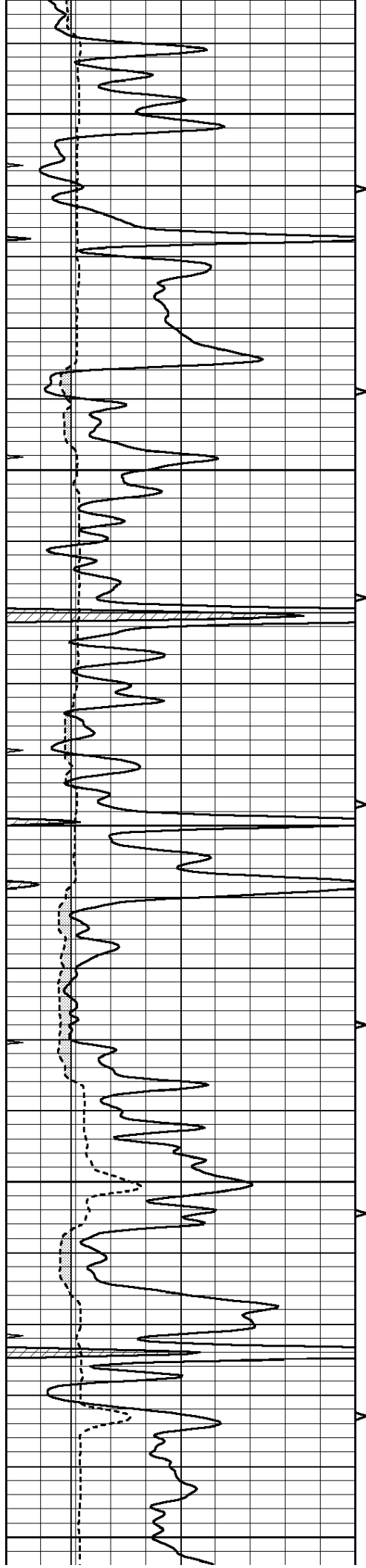
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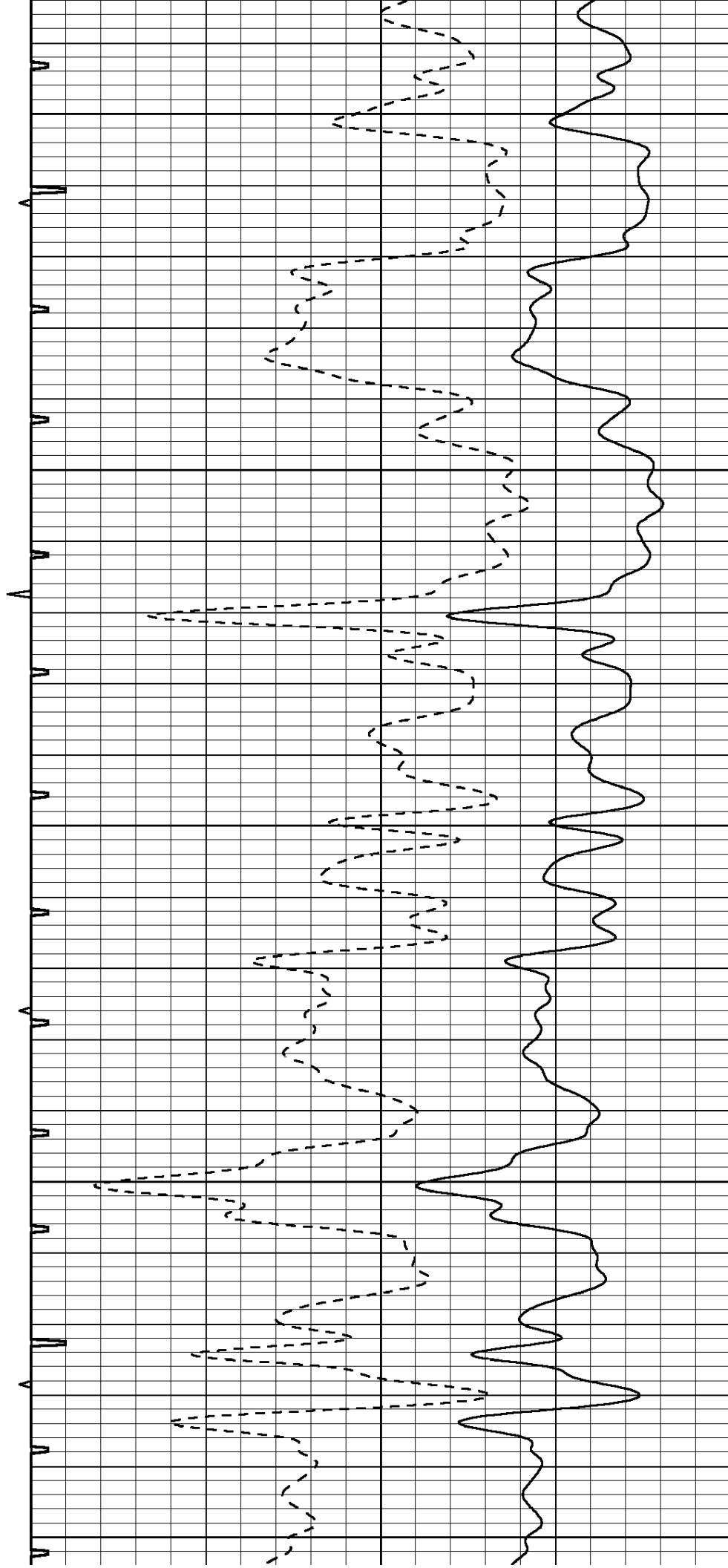
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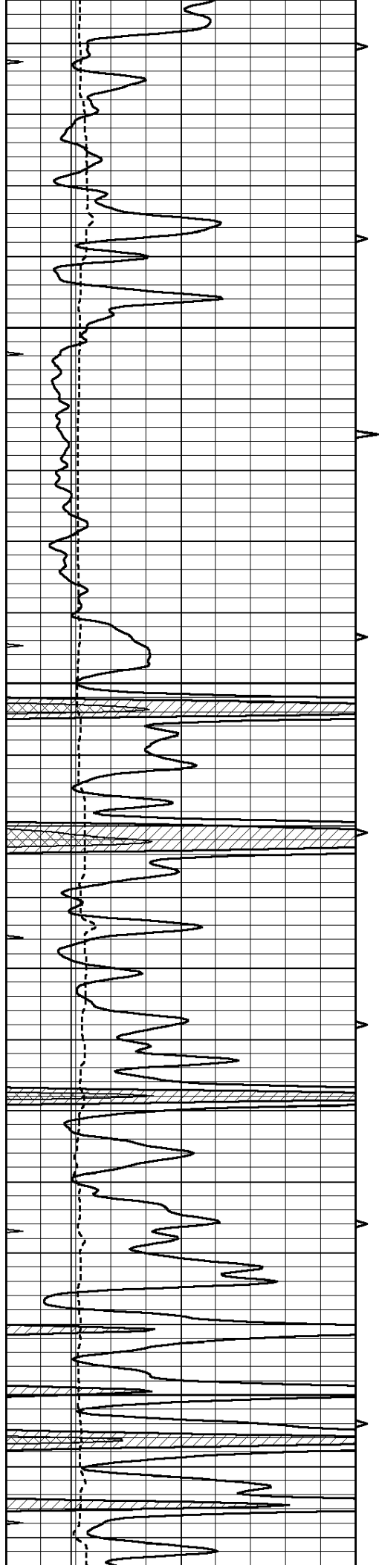
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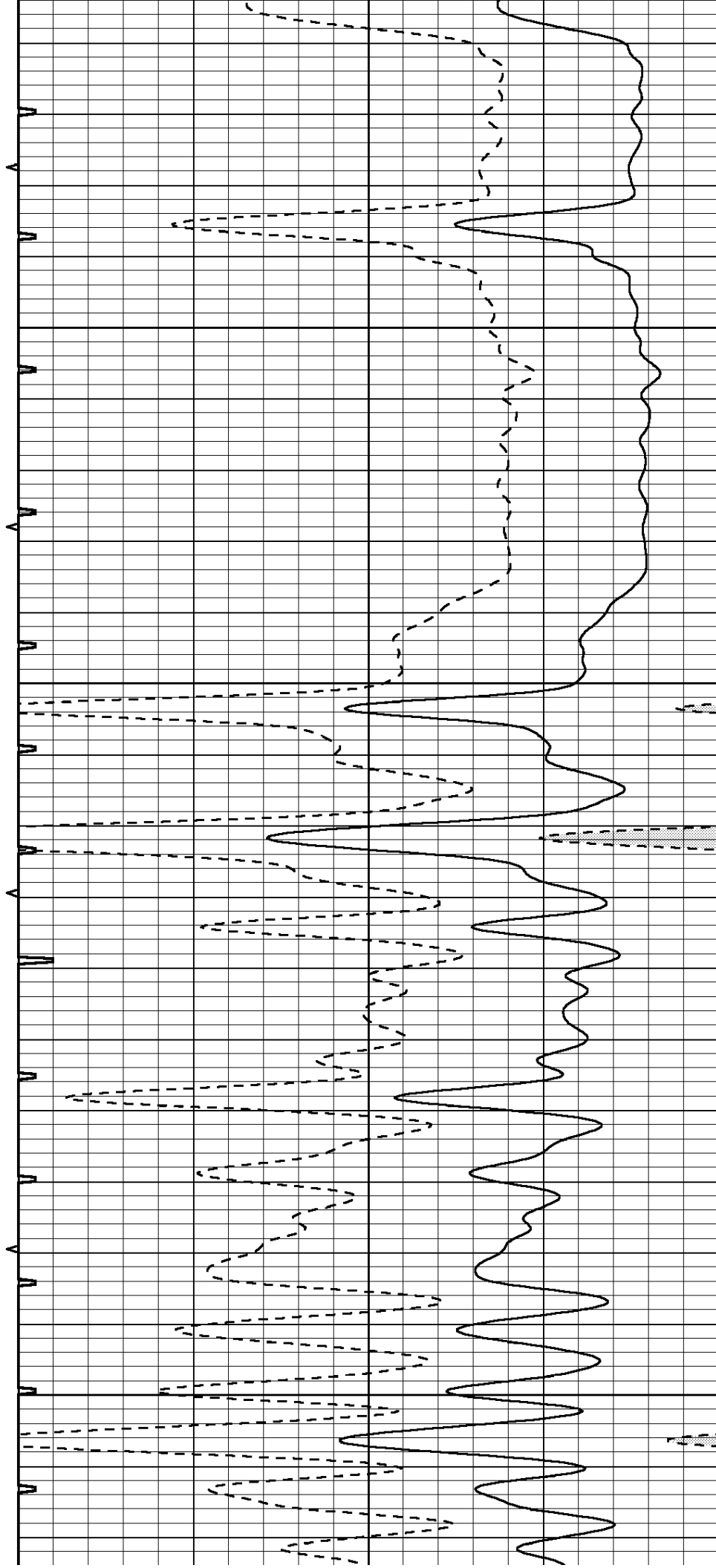


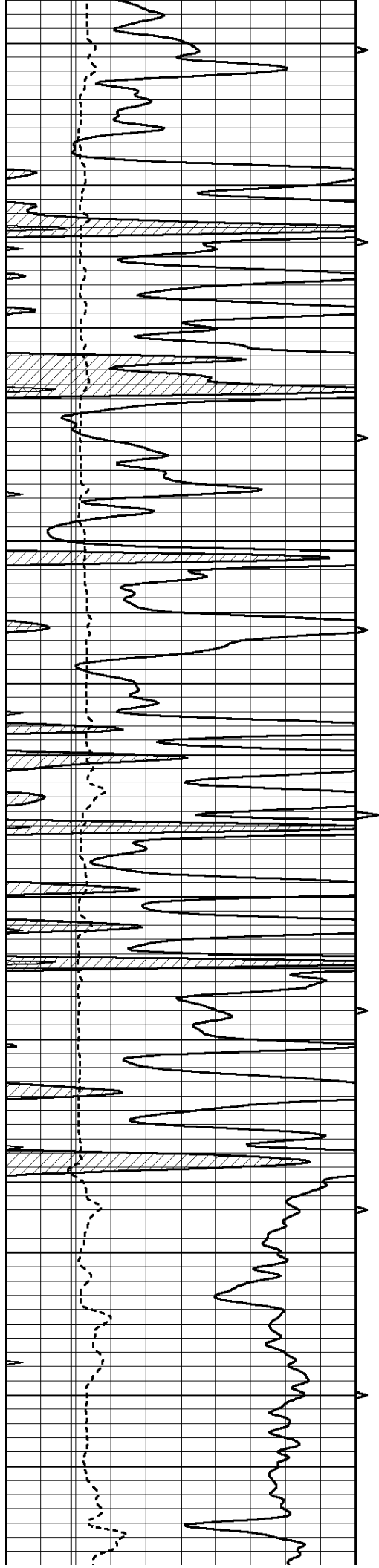
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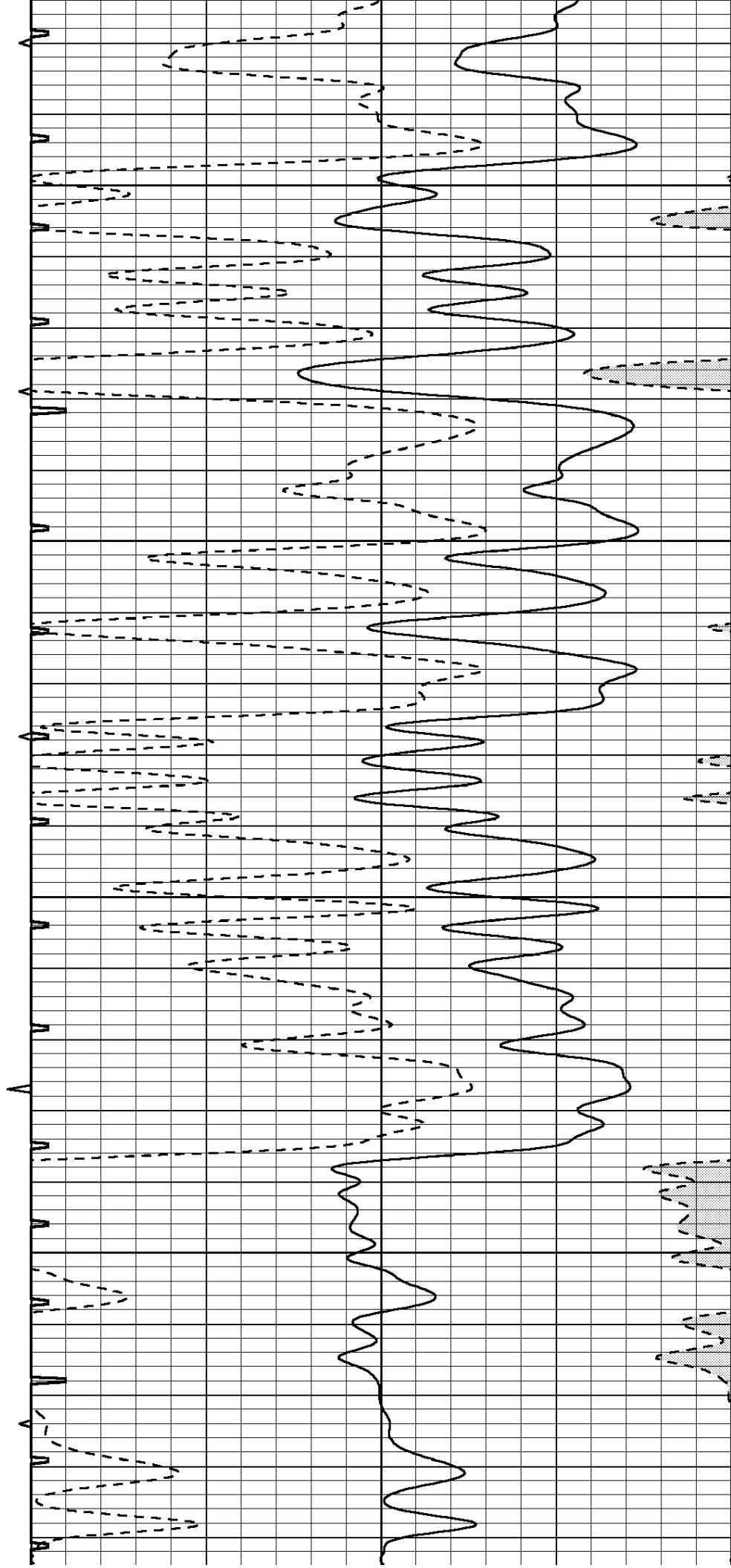


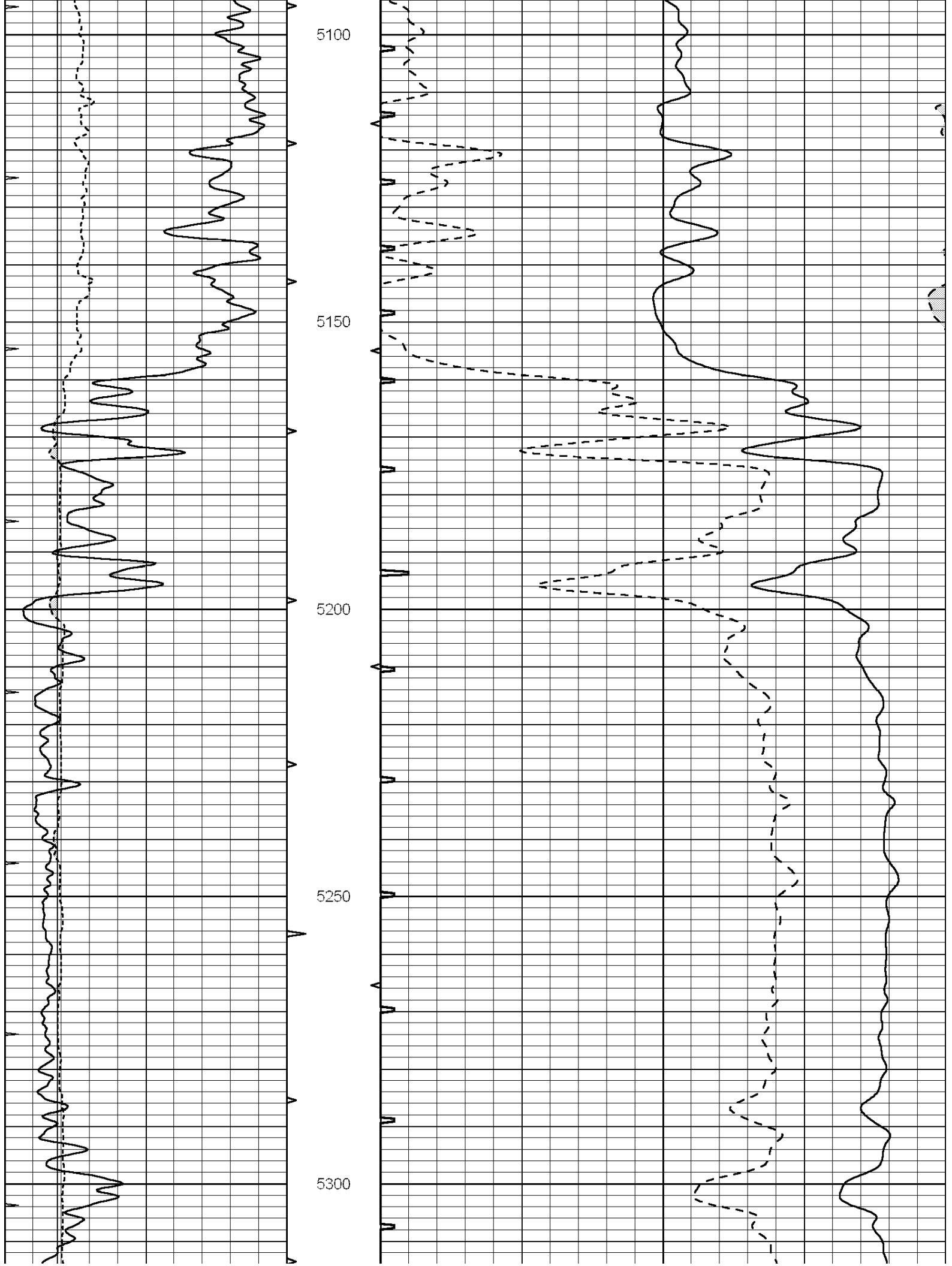
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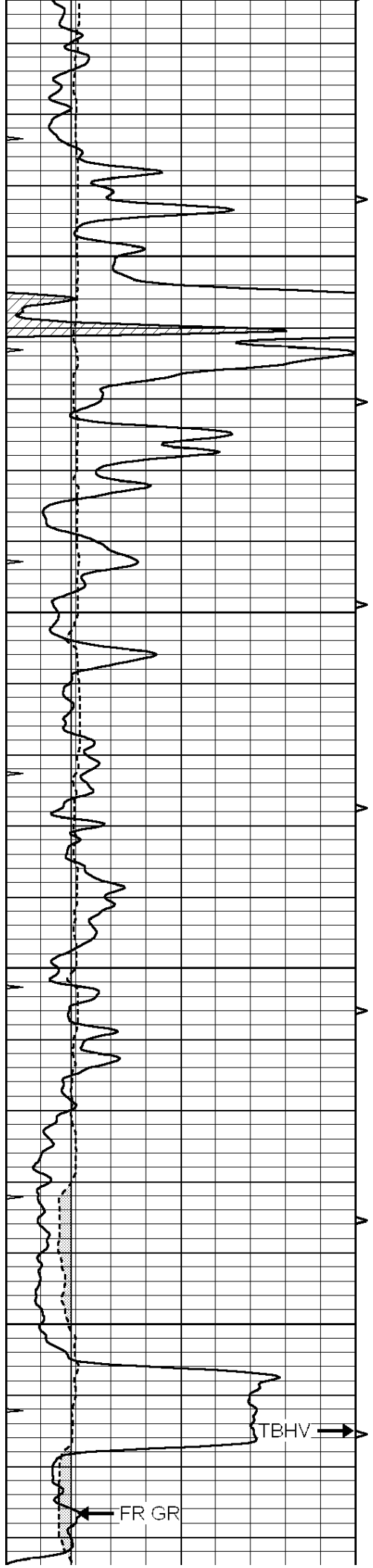
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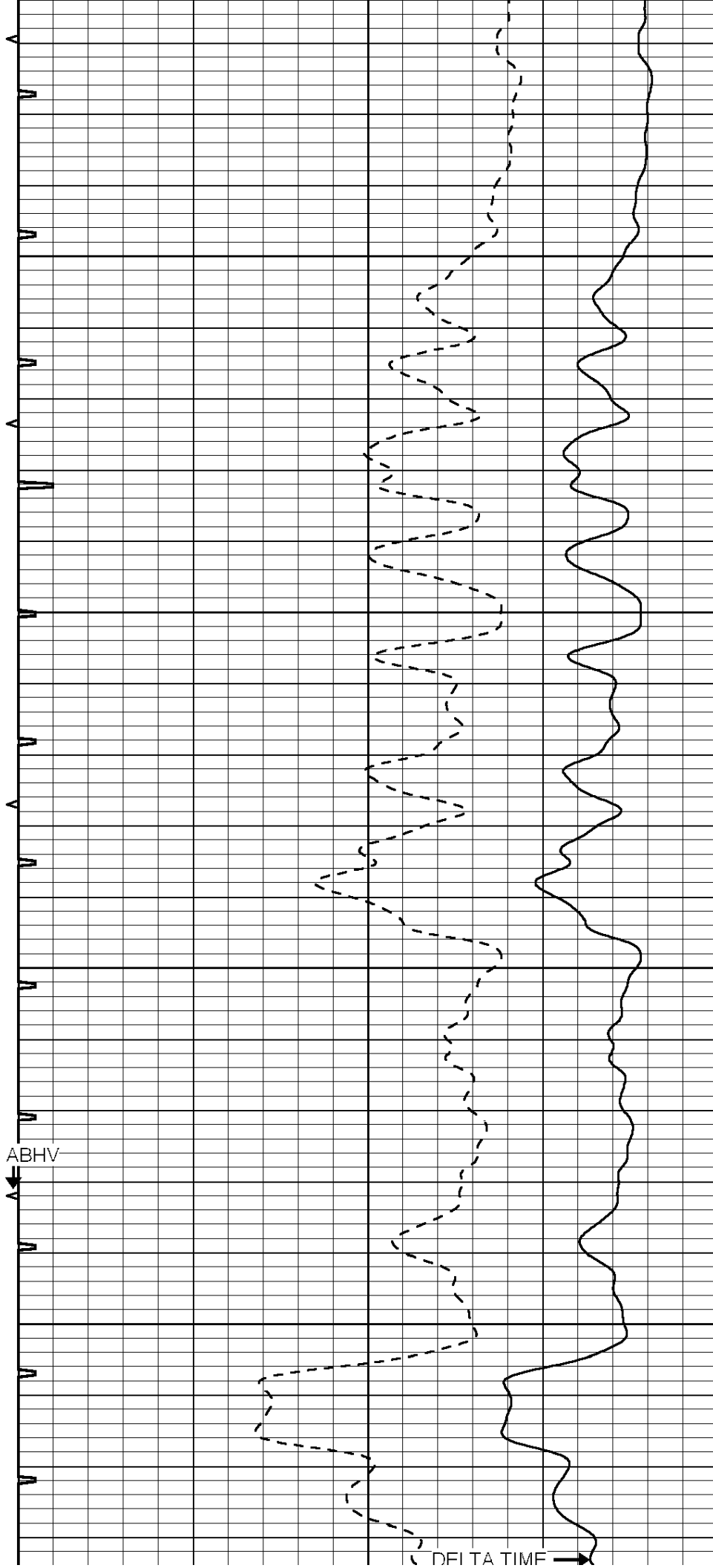
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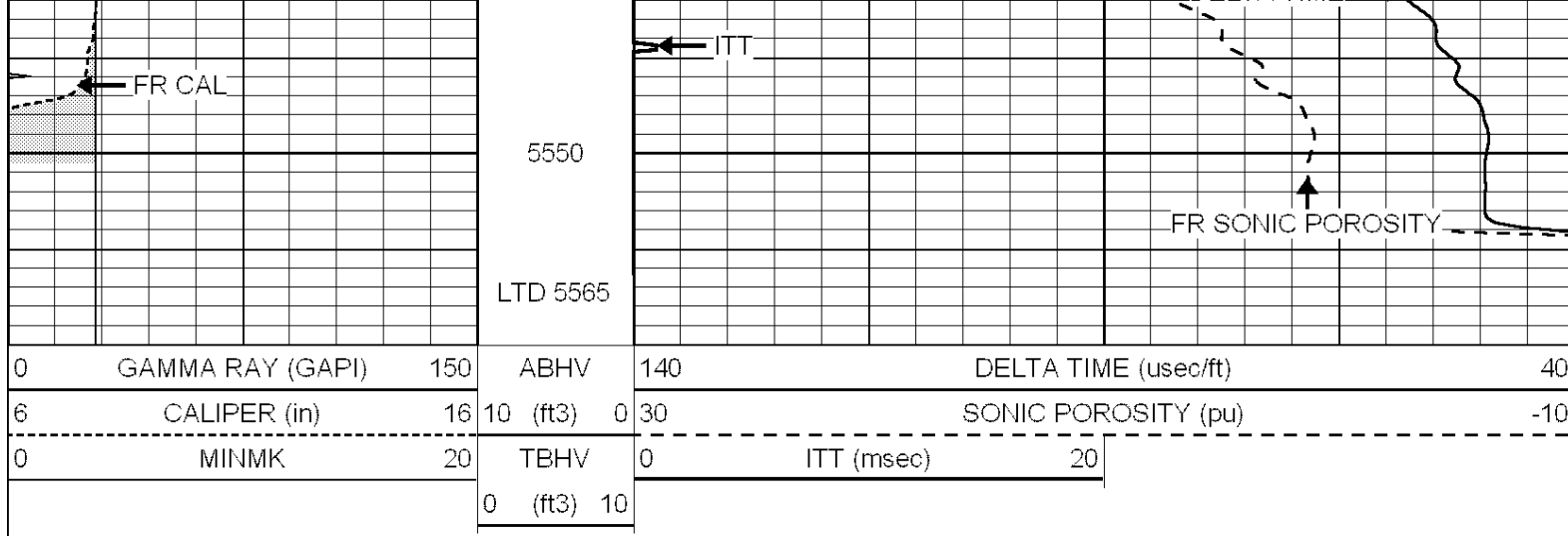
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5.5" ABHV





REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

