



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		MULL DRILLING COMPANY, INC.	
Well		APC - WAYNE #1-35	
Field		WILDCAT	
County		CHEYENNE	
State		COLORADO	
Company		MULL DRILLING COMPANY, INC.	
Well		APC - WAYNE #1-35	
Field		WILDCAT	
County		CHEYENNE	
State		COLORADO	
Location:		API # : 05-017-07775-00	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 11' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 35 TWP 16S RGE 45W		Elevation 4255	
Other Services CDL/CNL/PE DIL/MEL		Elevation K.B. 4266 D.F. 4264 G.L. 4255	
Date	12/10/13		
Run Number	TWO		
Depth Driller	5472		
Depth Logger	5482		
Bottom Logged Interval	5476		
Top Log Interval	300		
Casing Driller	8 5/8" @ 352'		
Casing Logger	350		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1/55		
pH / Fluid Loss	10.0/6.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950 @ 40F		
Rmf @ Meas. Temp	.713 @ 40F		
Rmc @ Meas. Temp	1.14 @ 40F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.295 @ 129F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	6:15 P.M.		
Maximum Recorded Temperature	129F		
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., 13S. ON HWY 385 TO "RD. C", 5 1/2W. TO RADIO TOWER, 1 1/2S. ON LEASE RD., W. INTO



**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

011824pe.db

Dataset Pathname:

pass8.4

Presentation Format:

slt

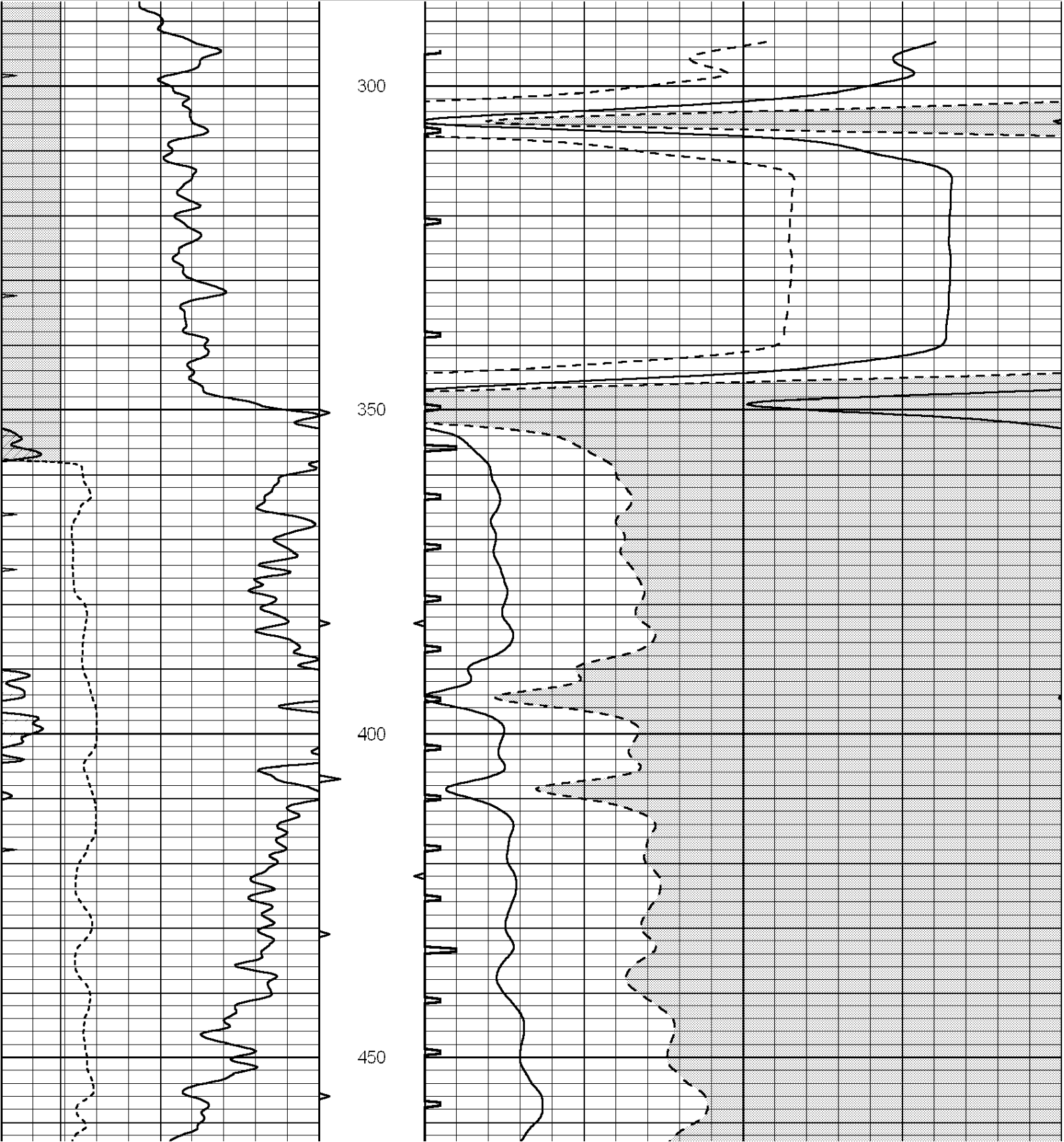
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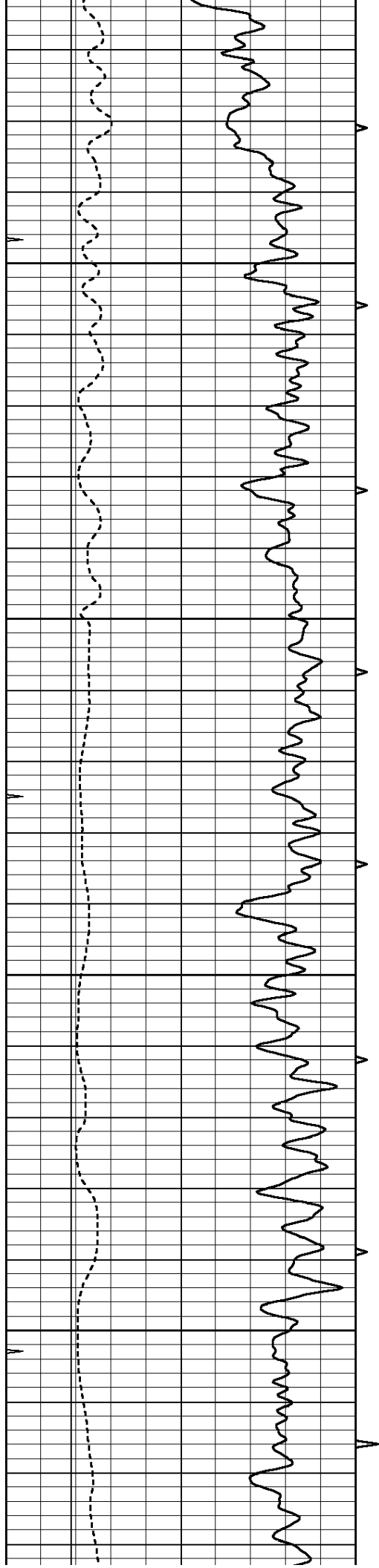
Wed Dec 11 00:12:44 2013

Charted by:

Depth in Feet scaled 1:240

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				



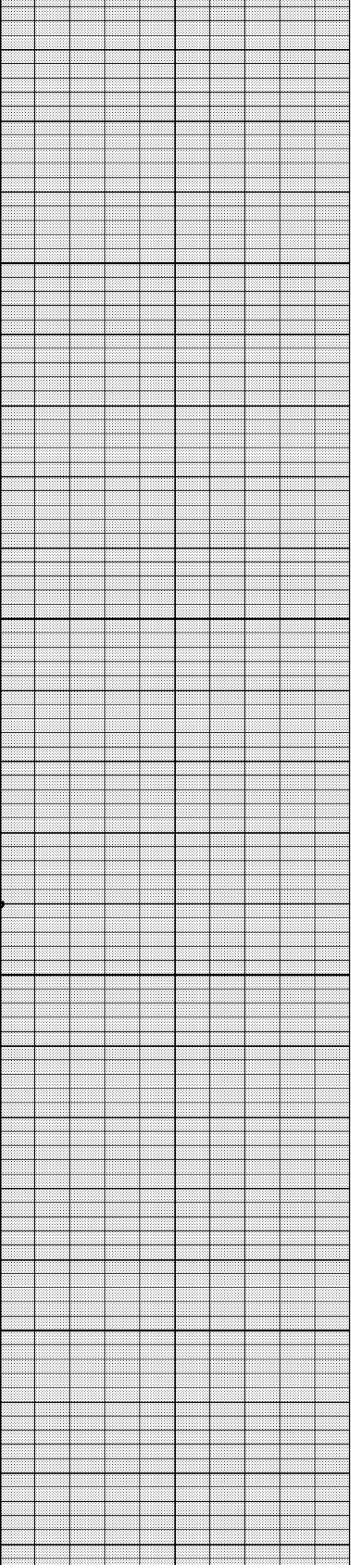
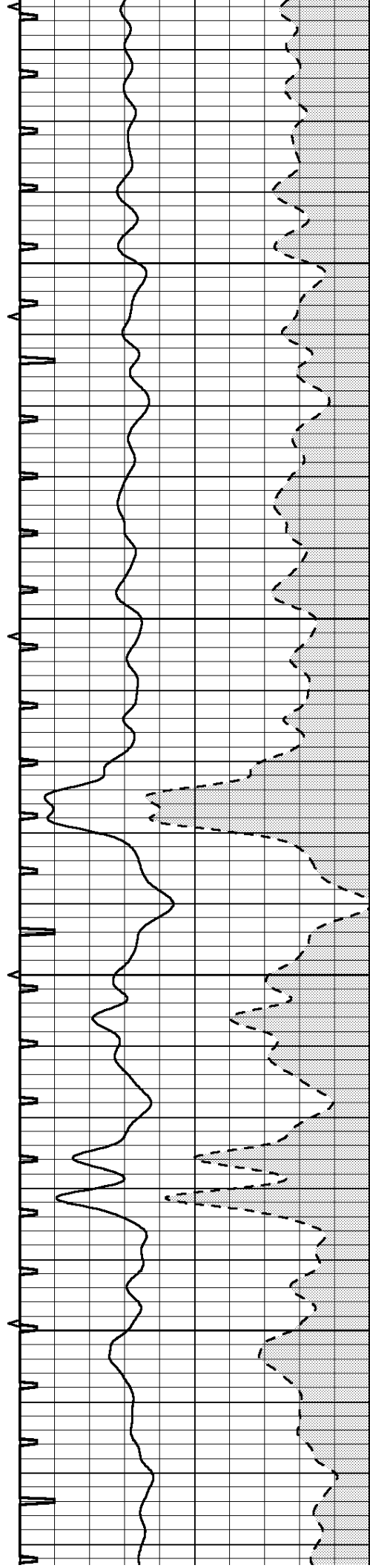


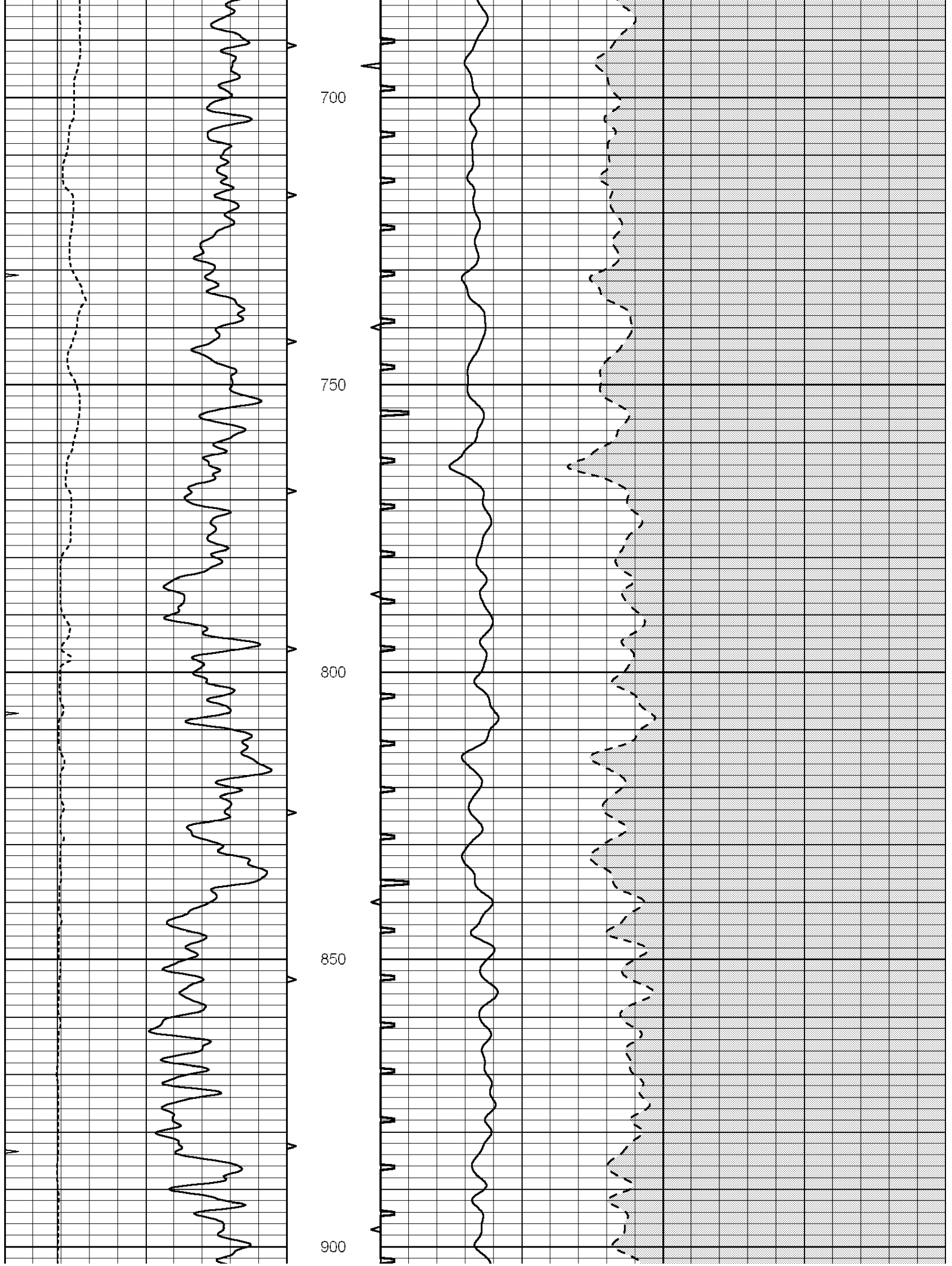
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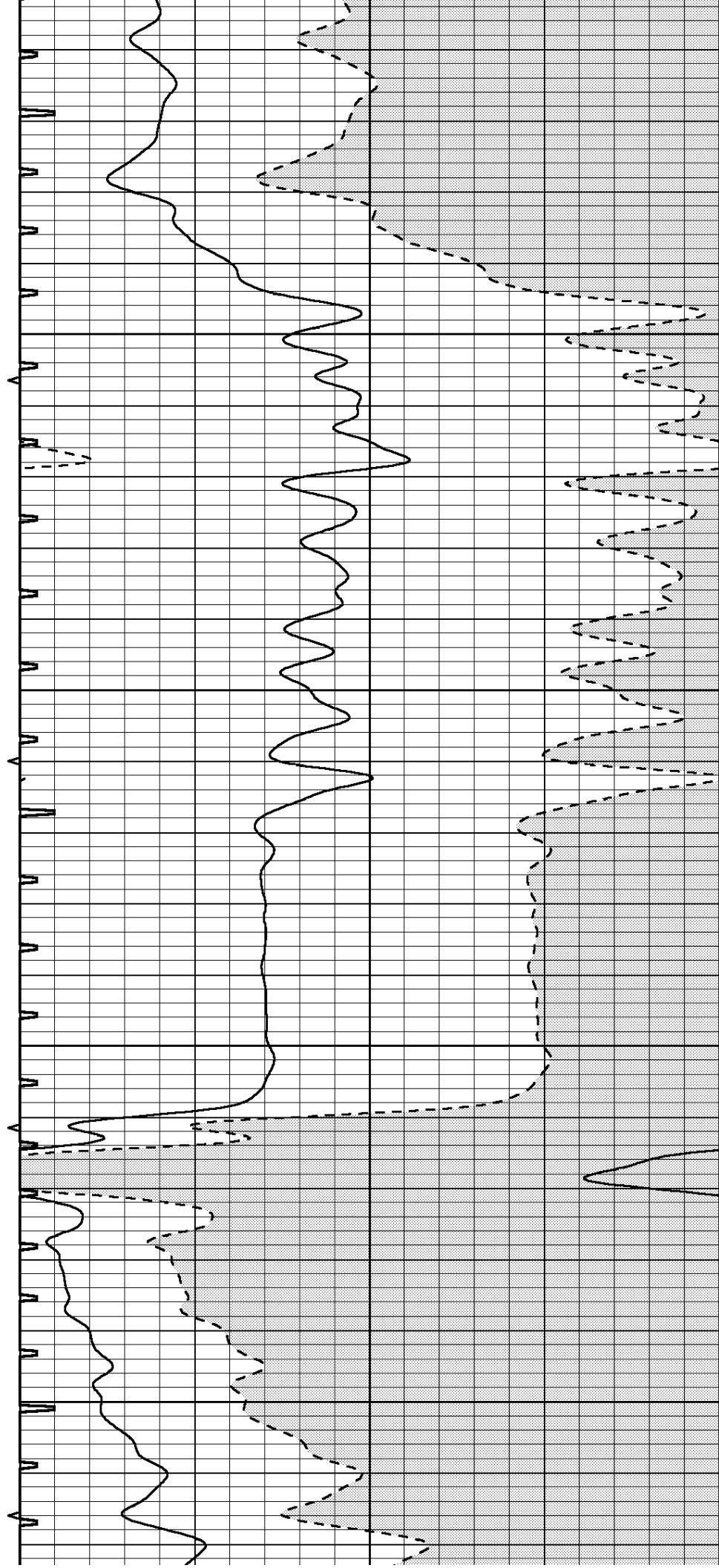
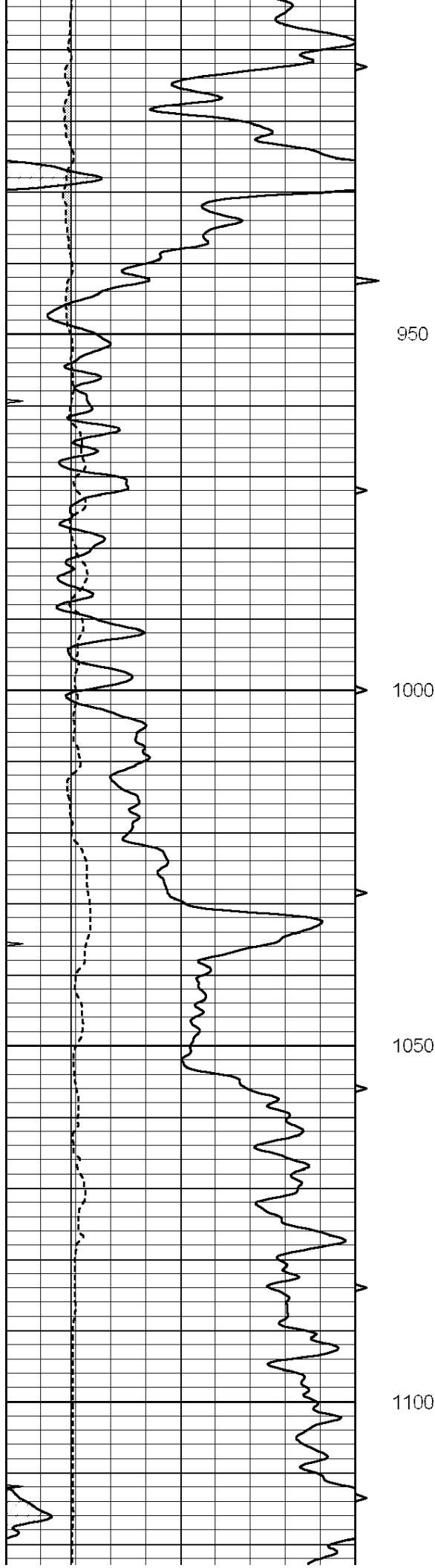
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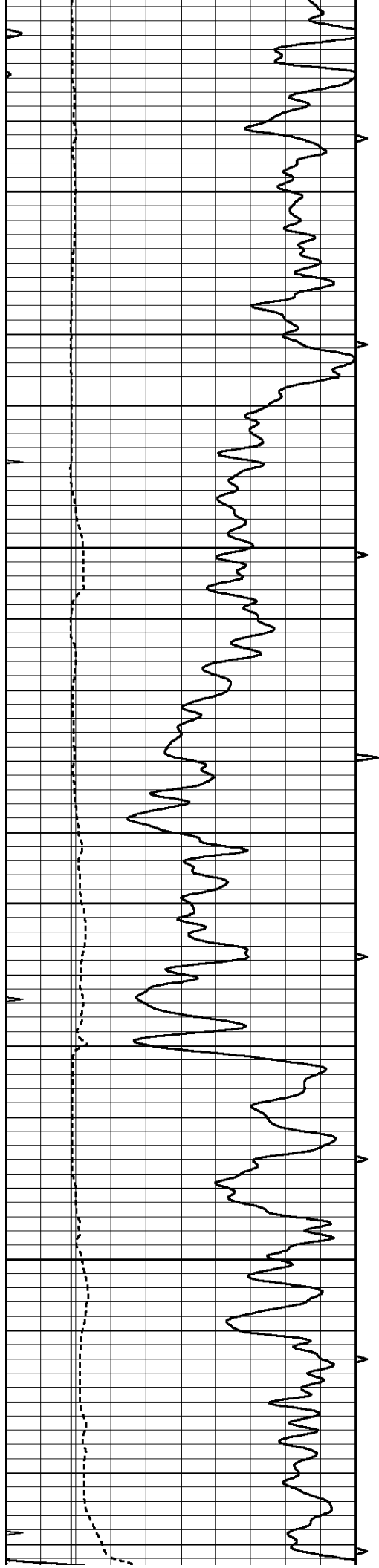
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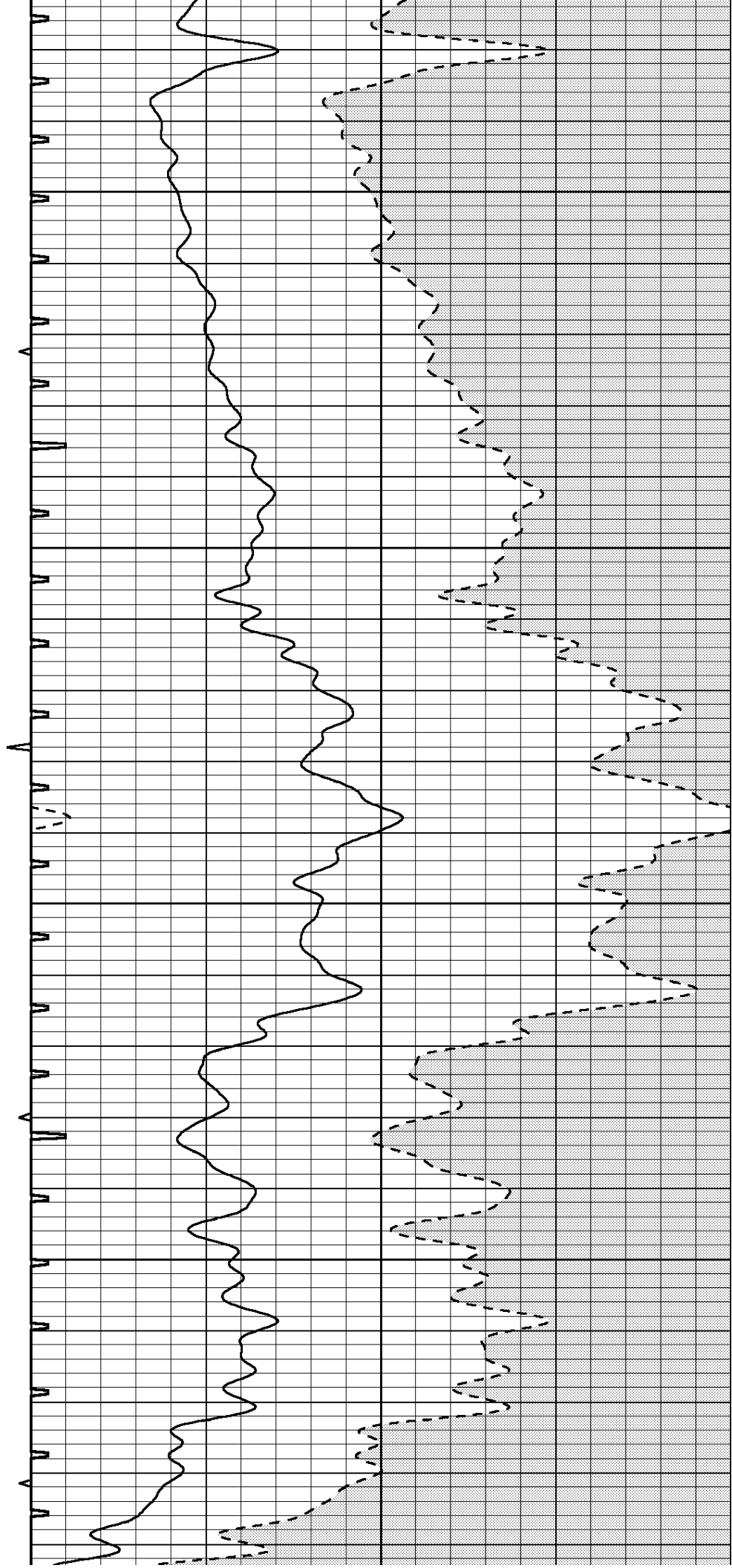


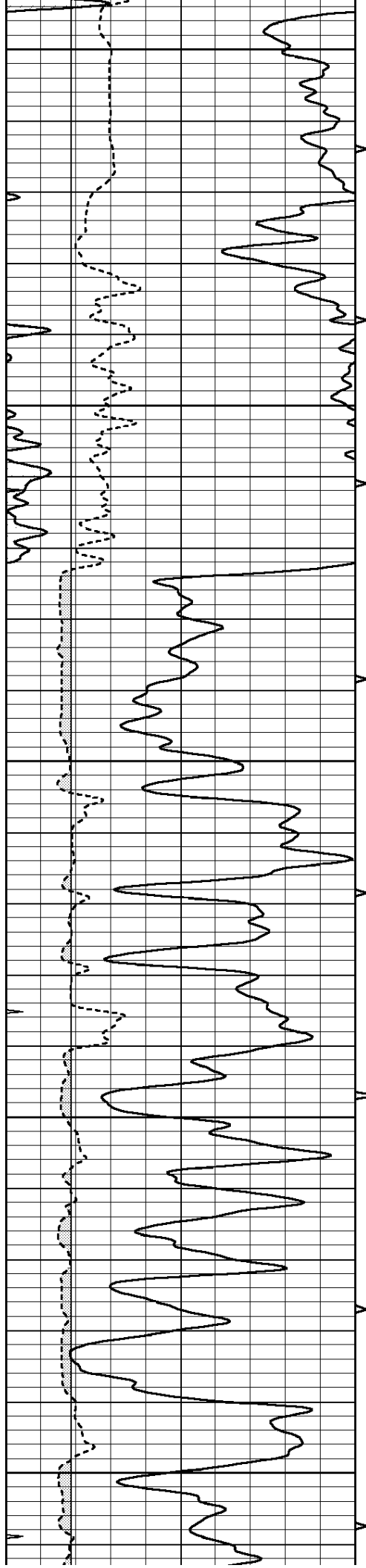
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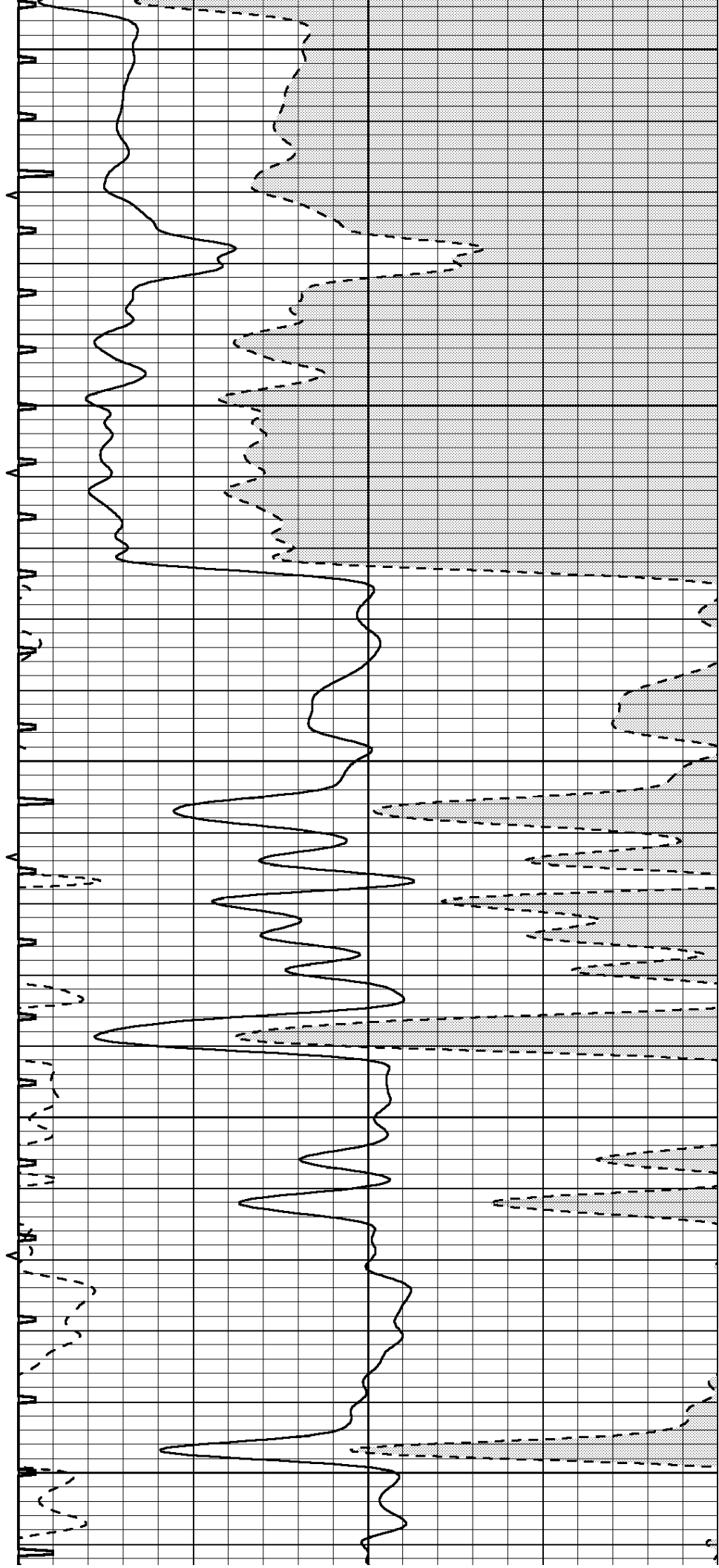
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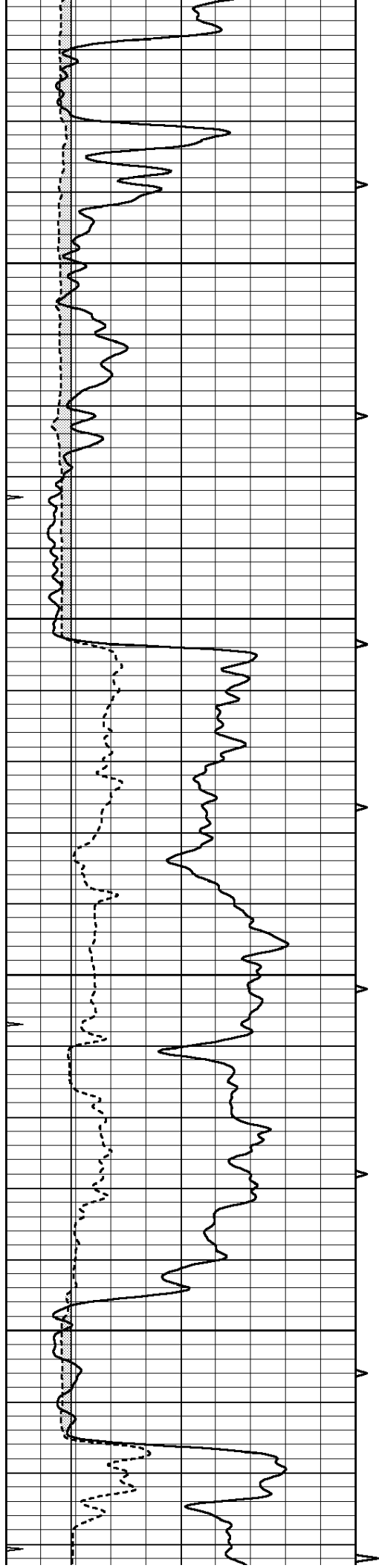
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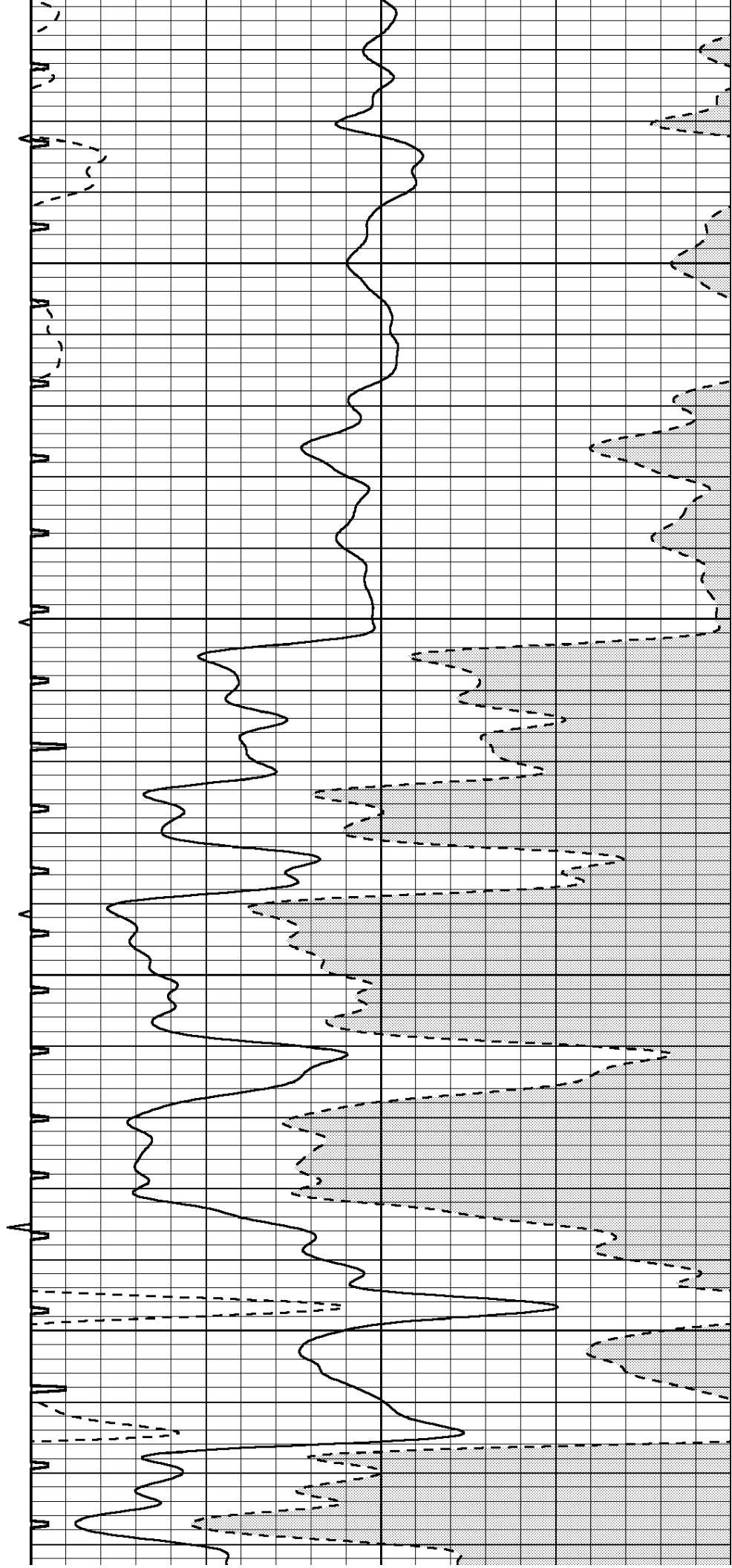


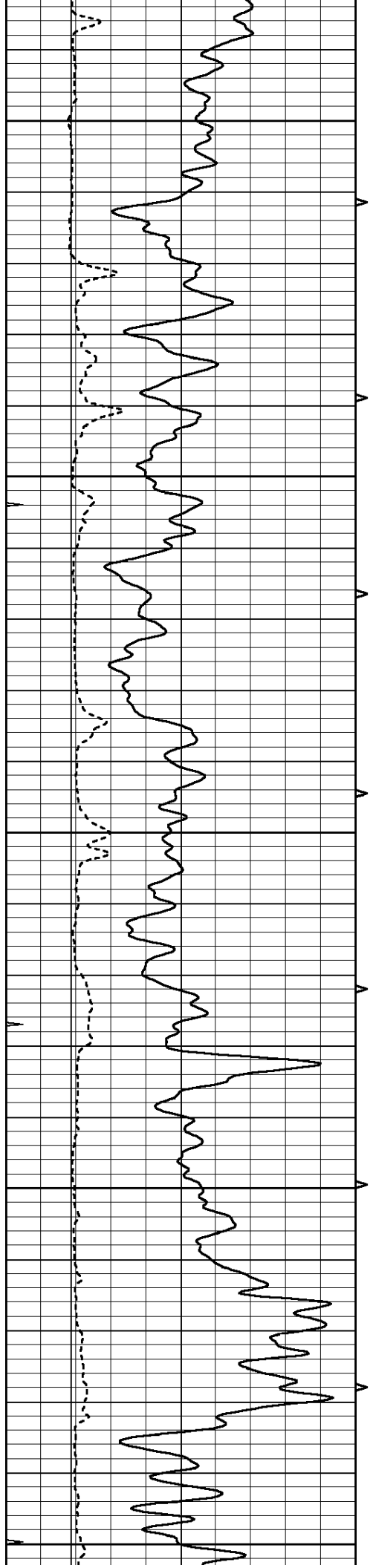
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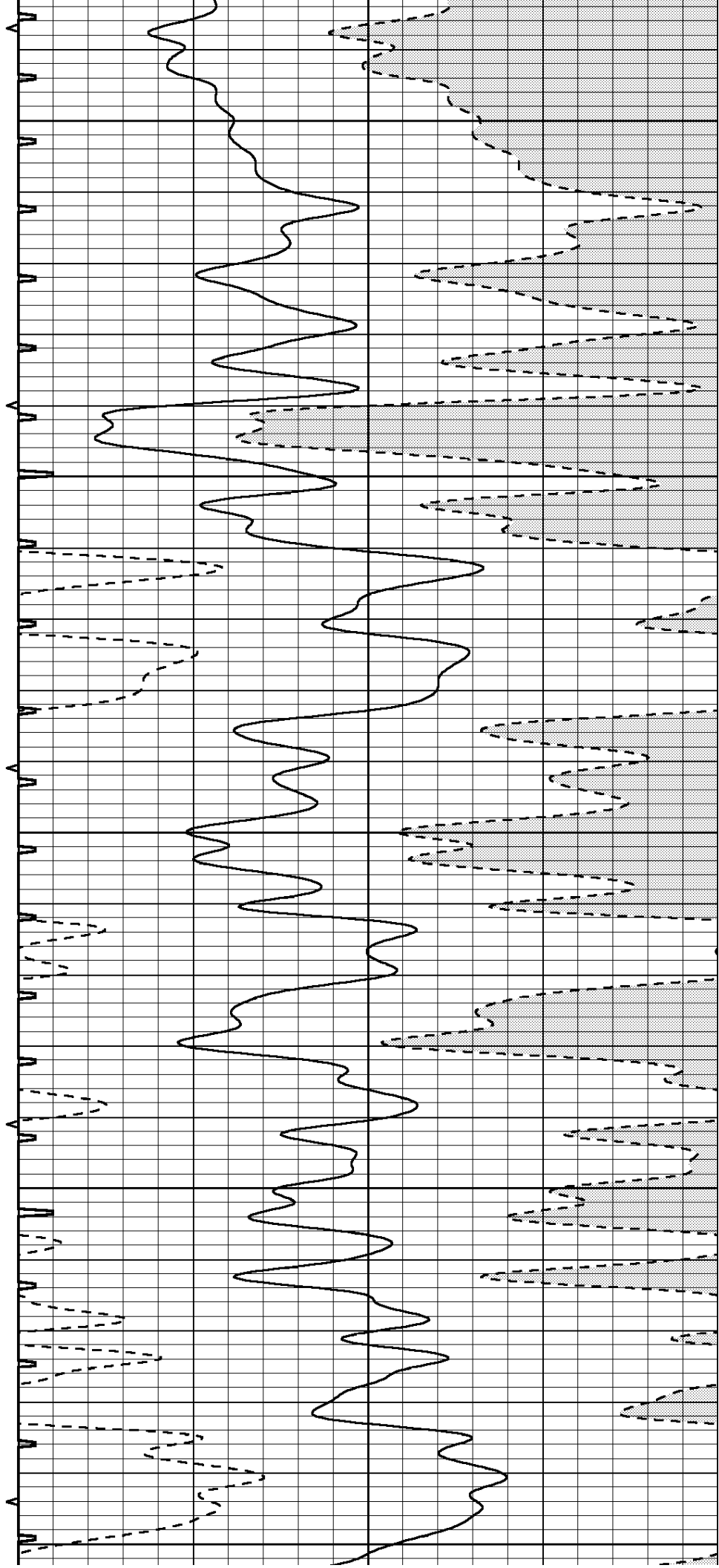
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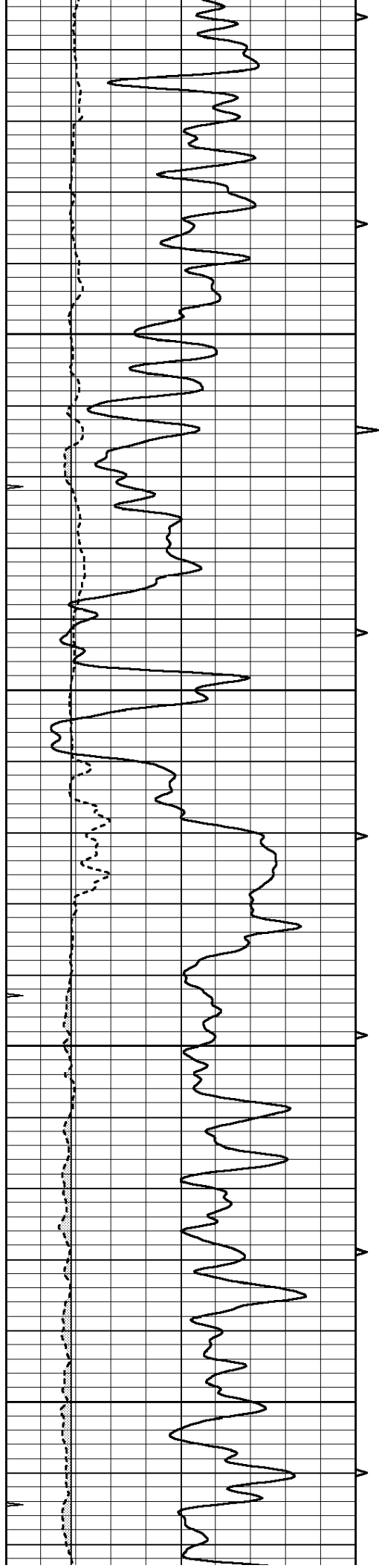
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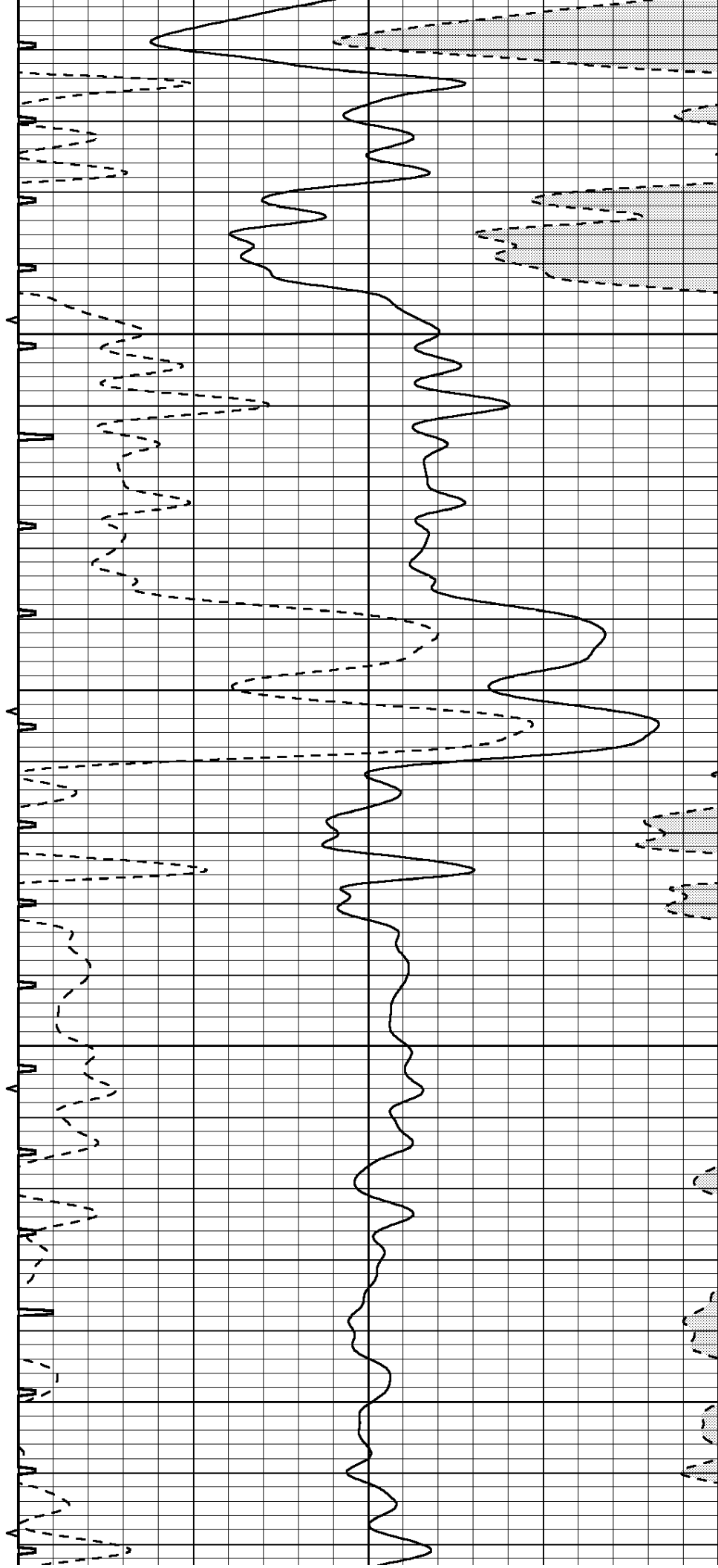


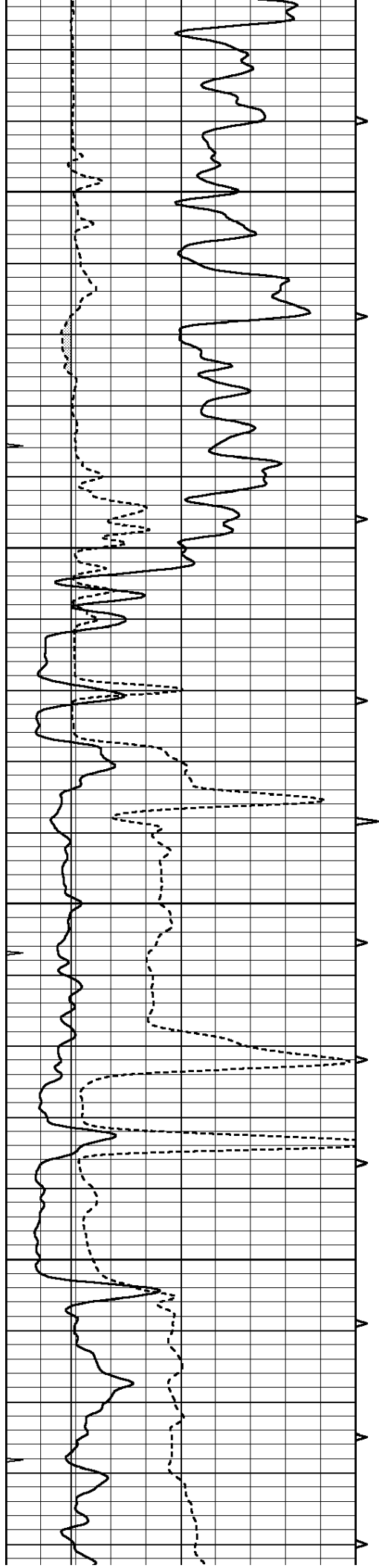
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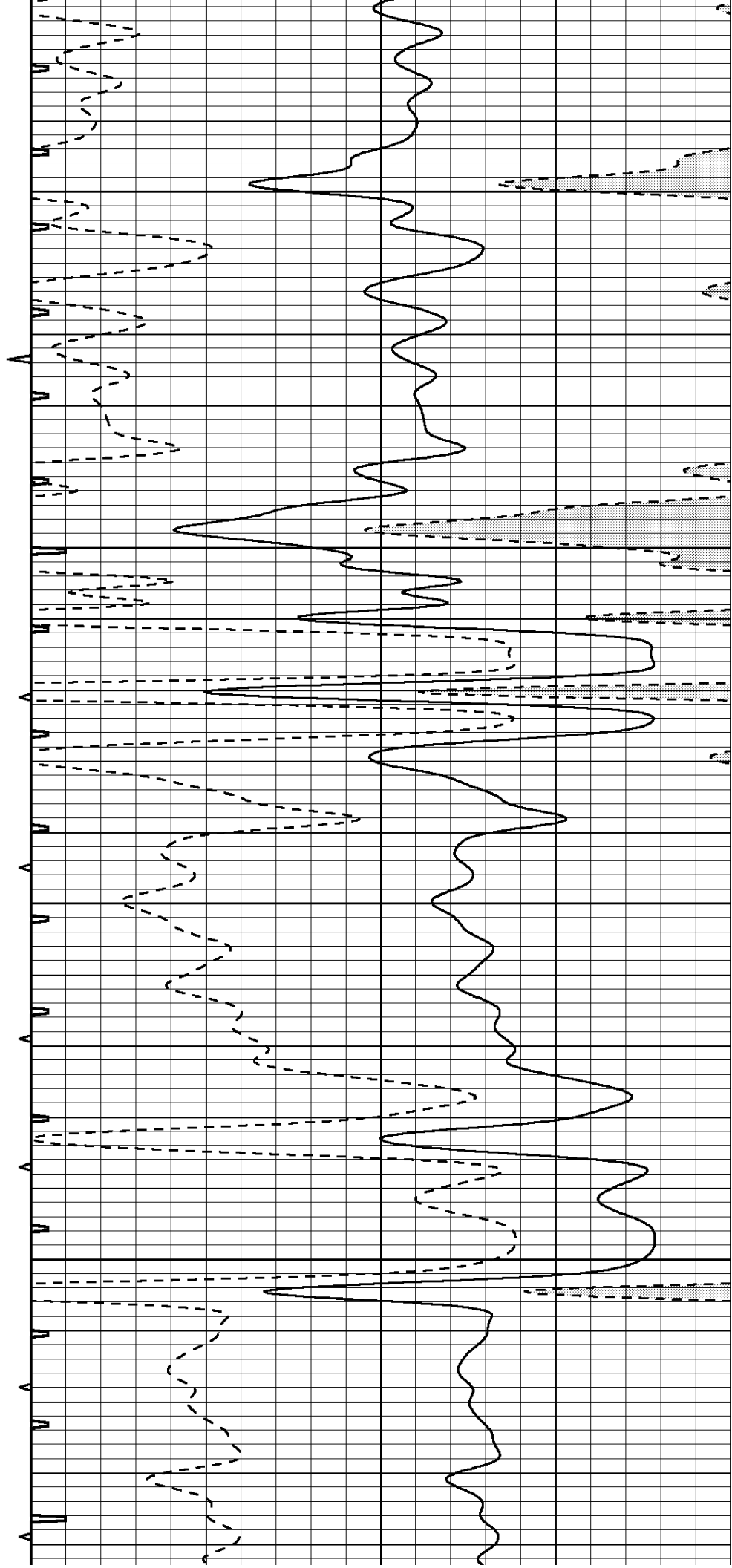


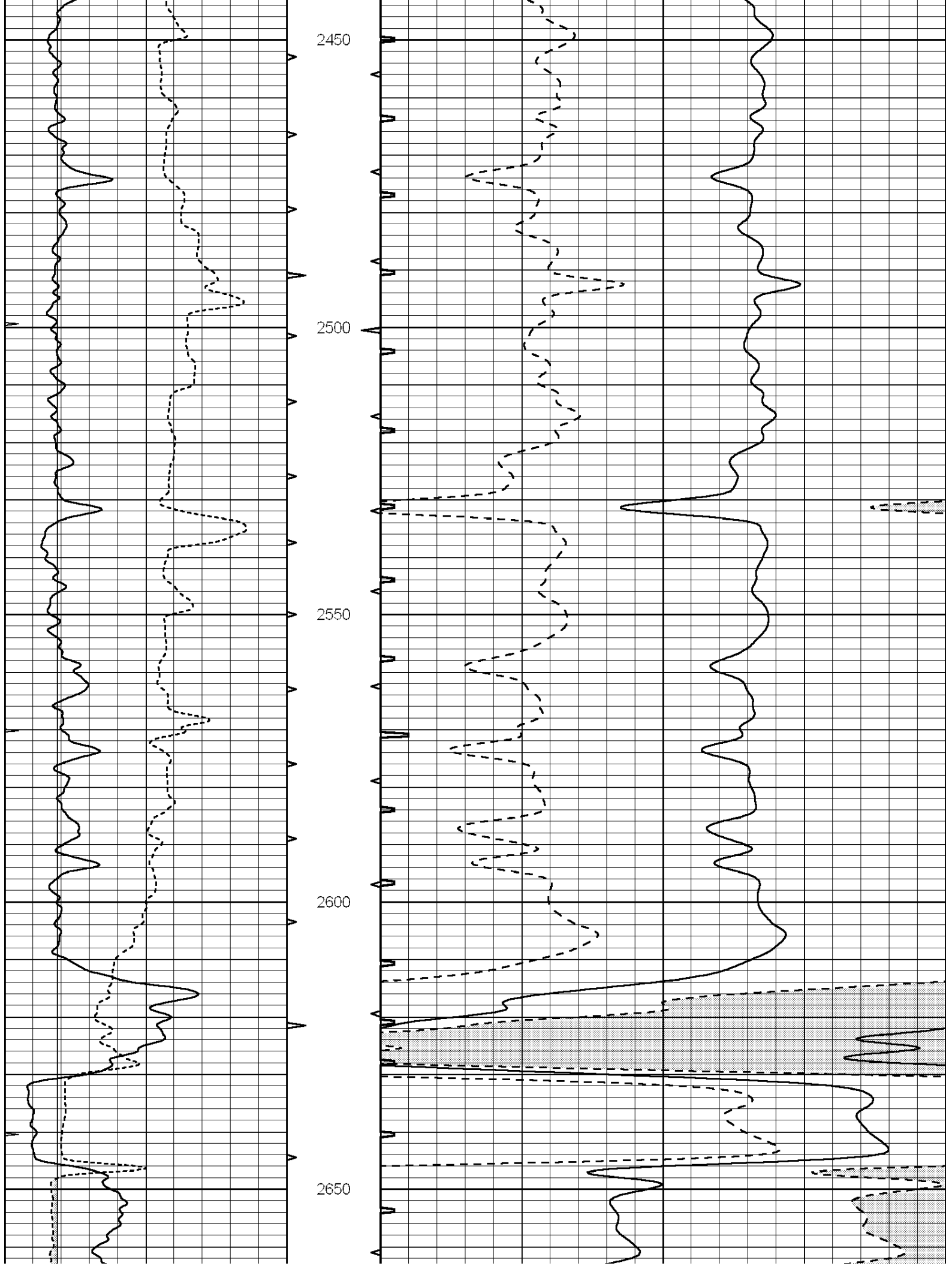
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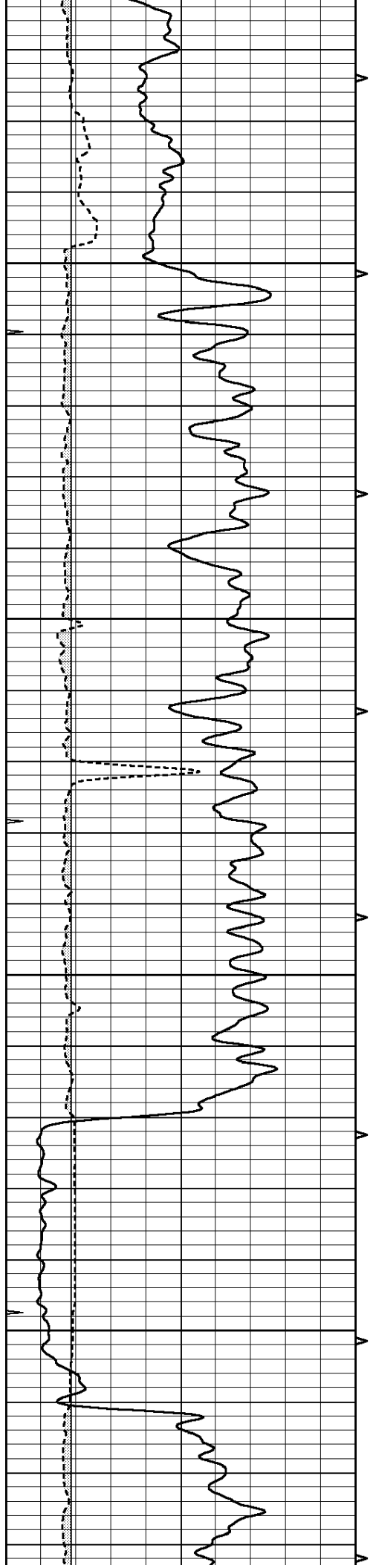
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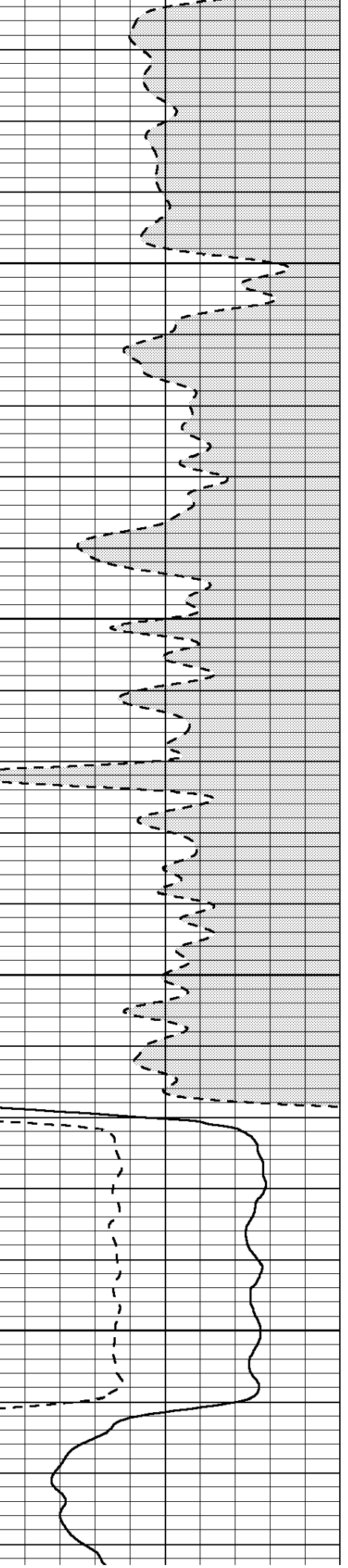
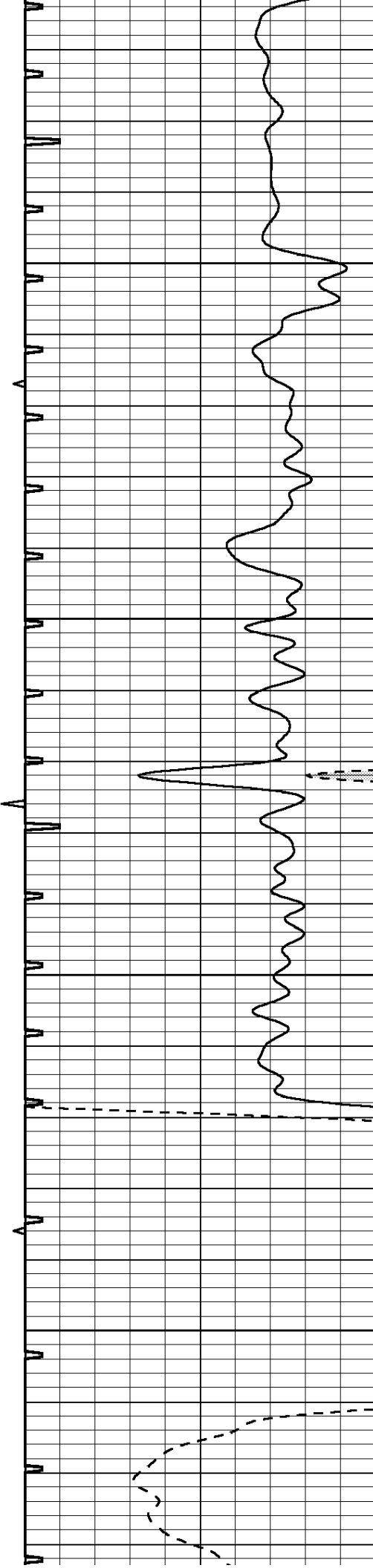


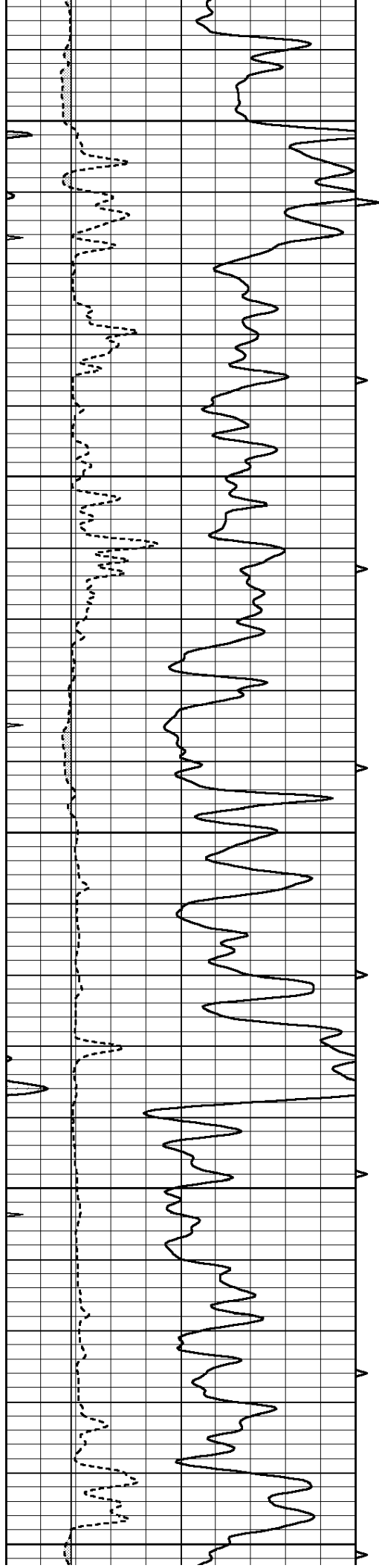
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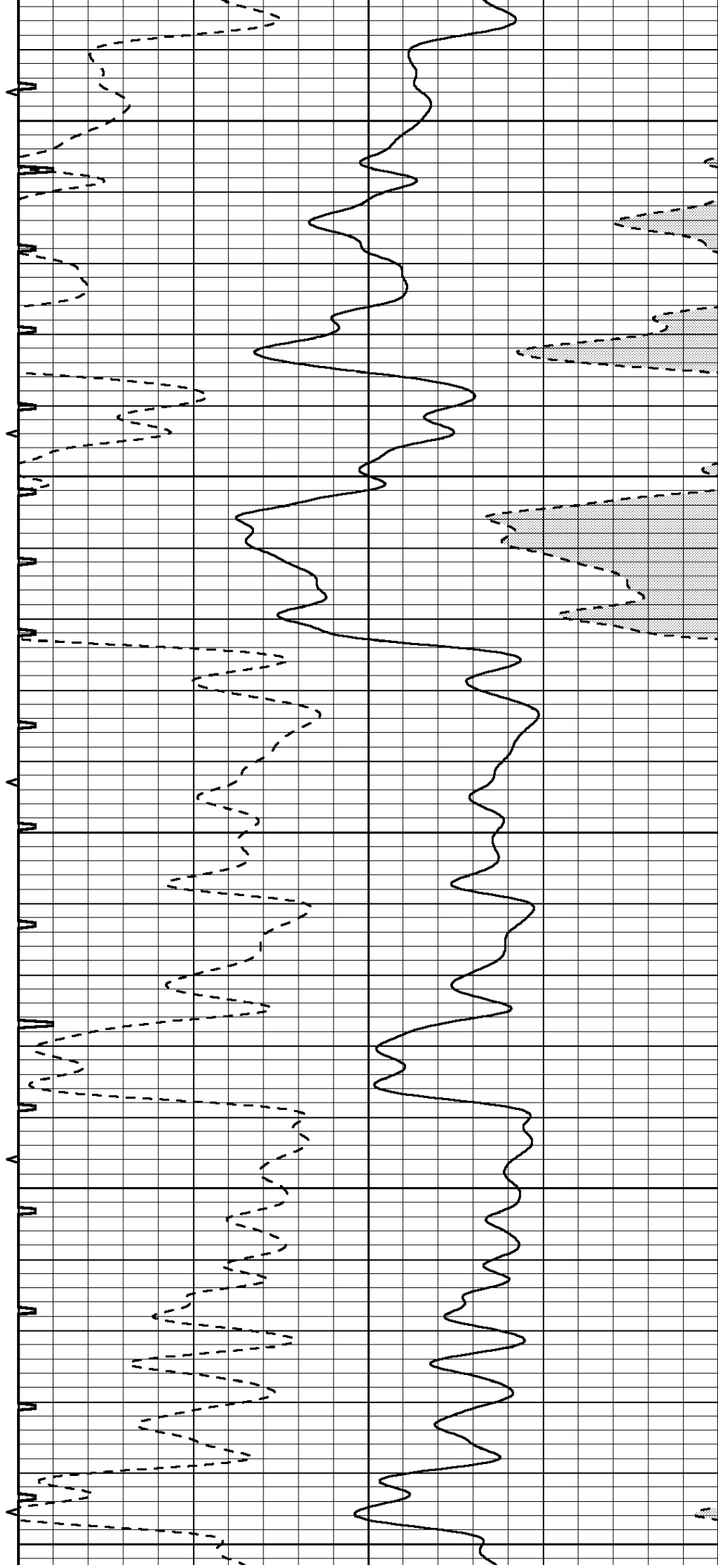
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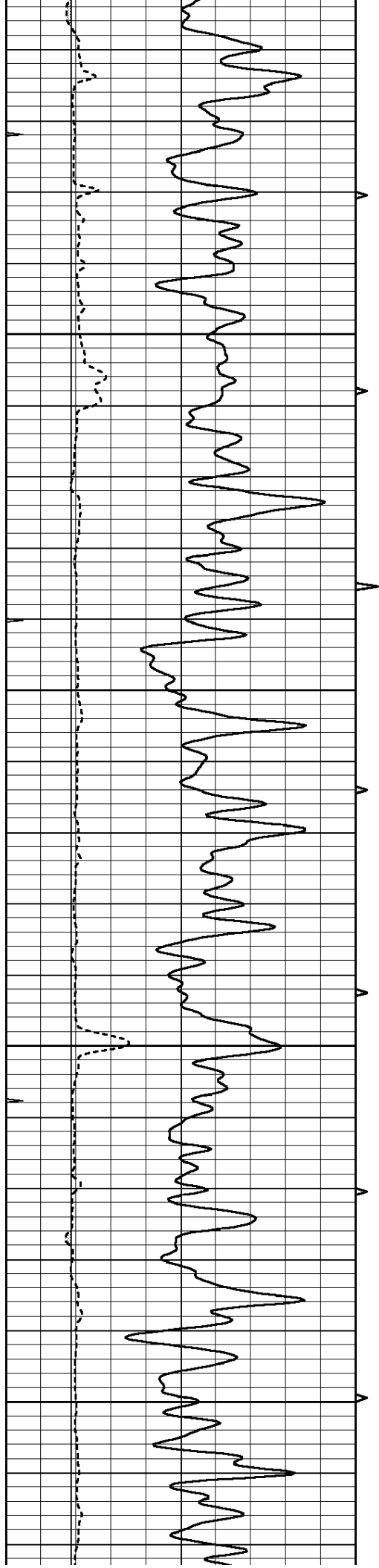
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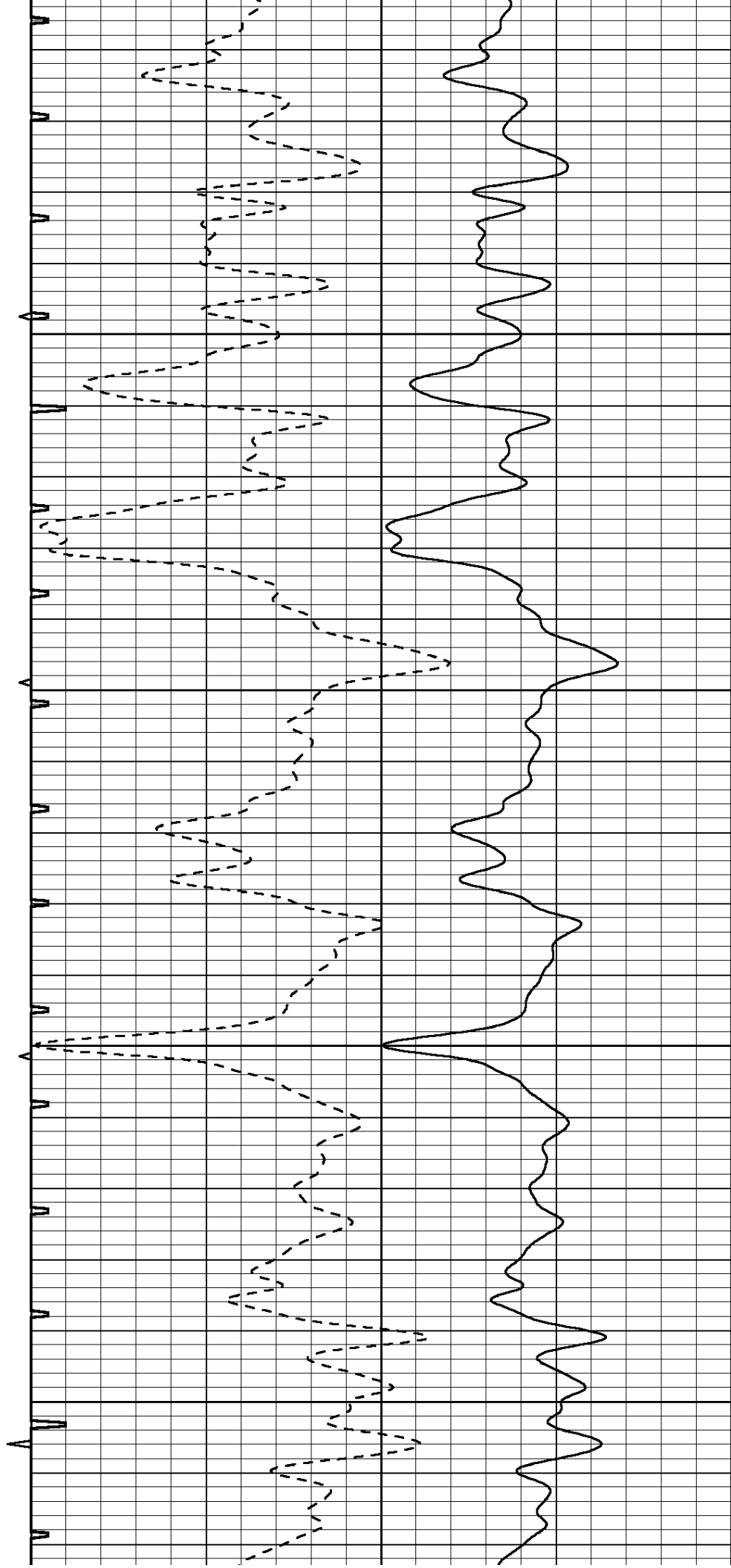


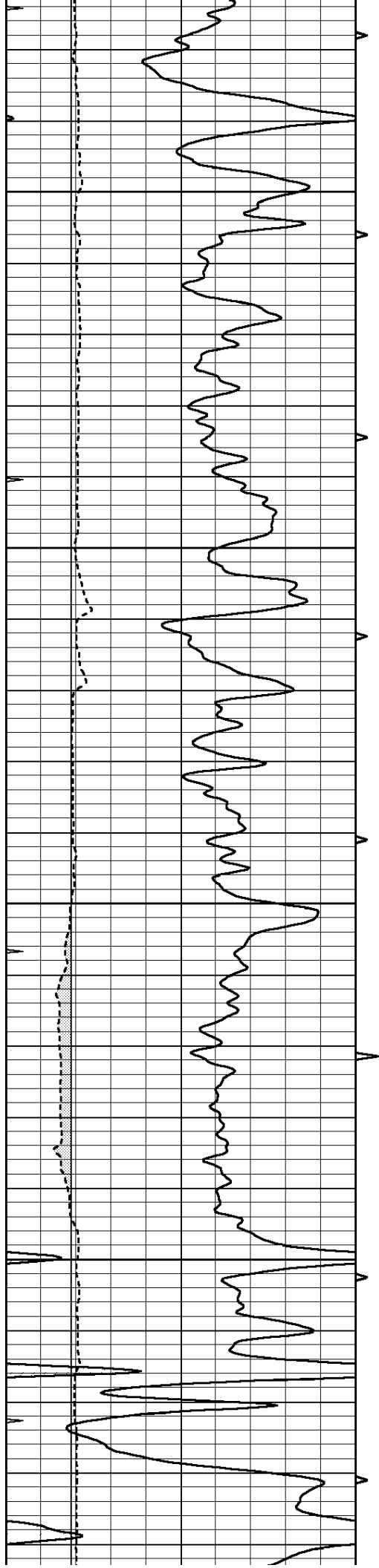
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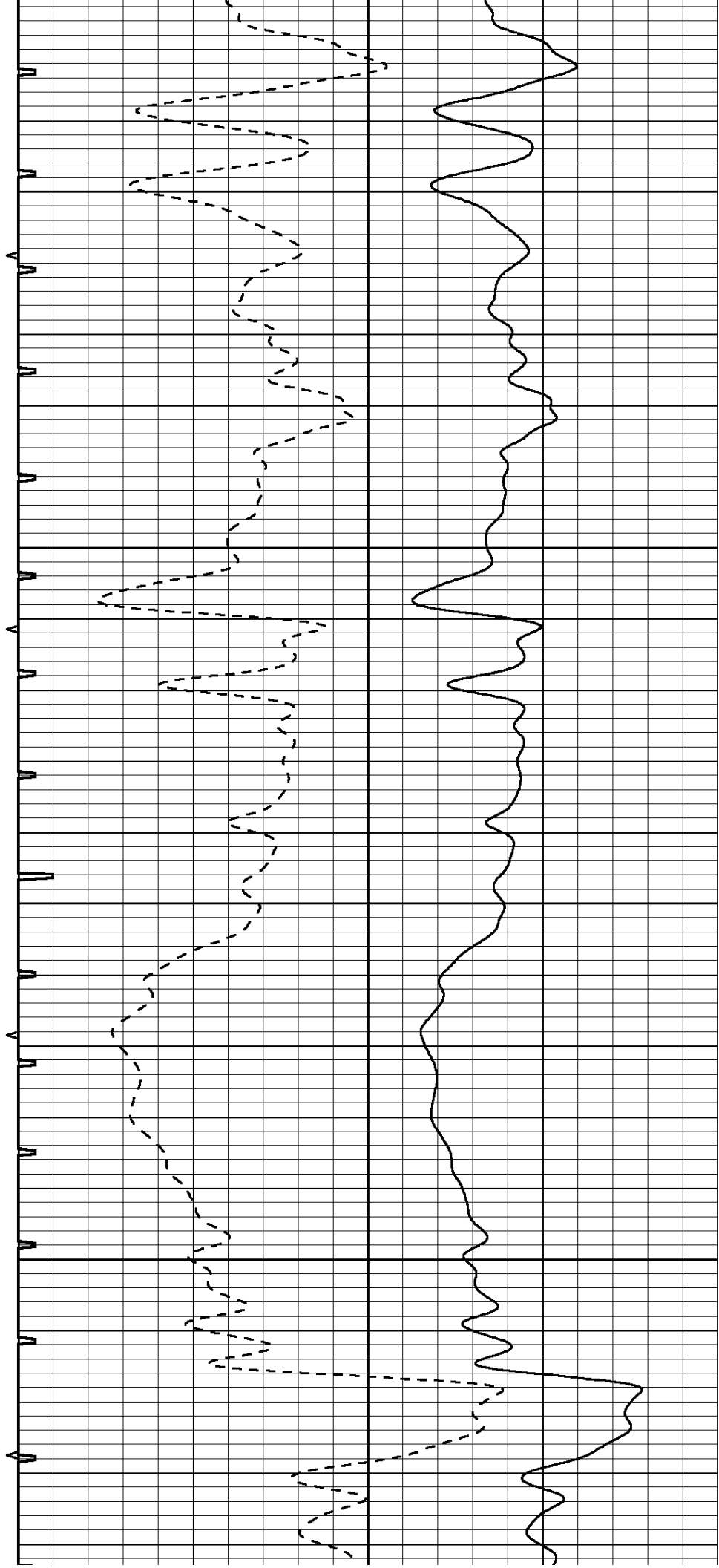


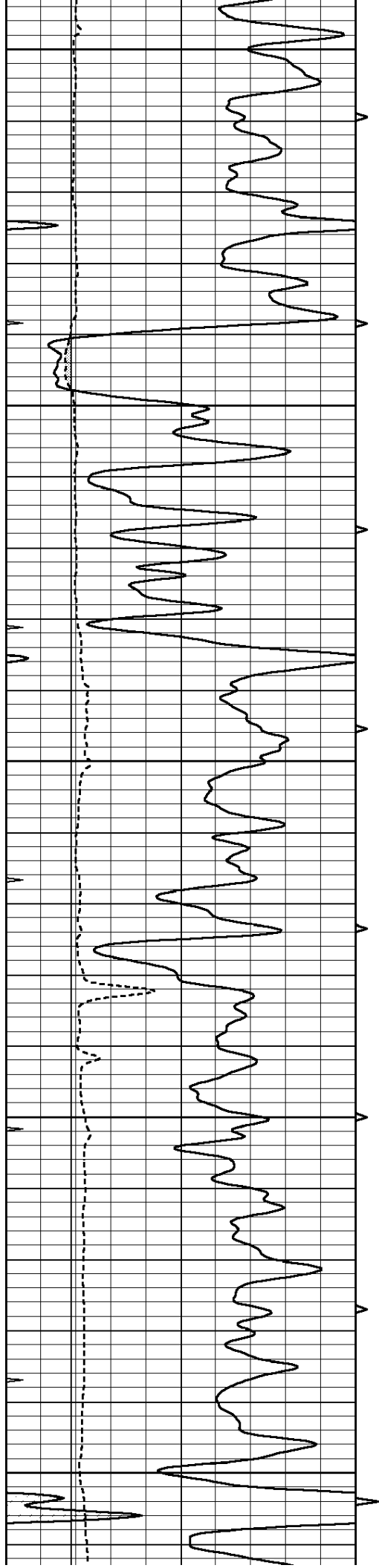
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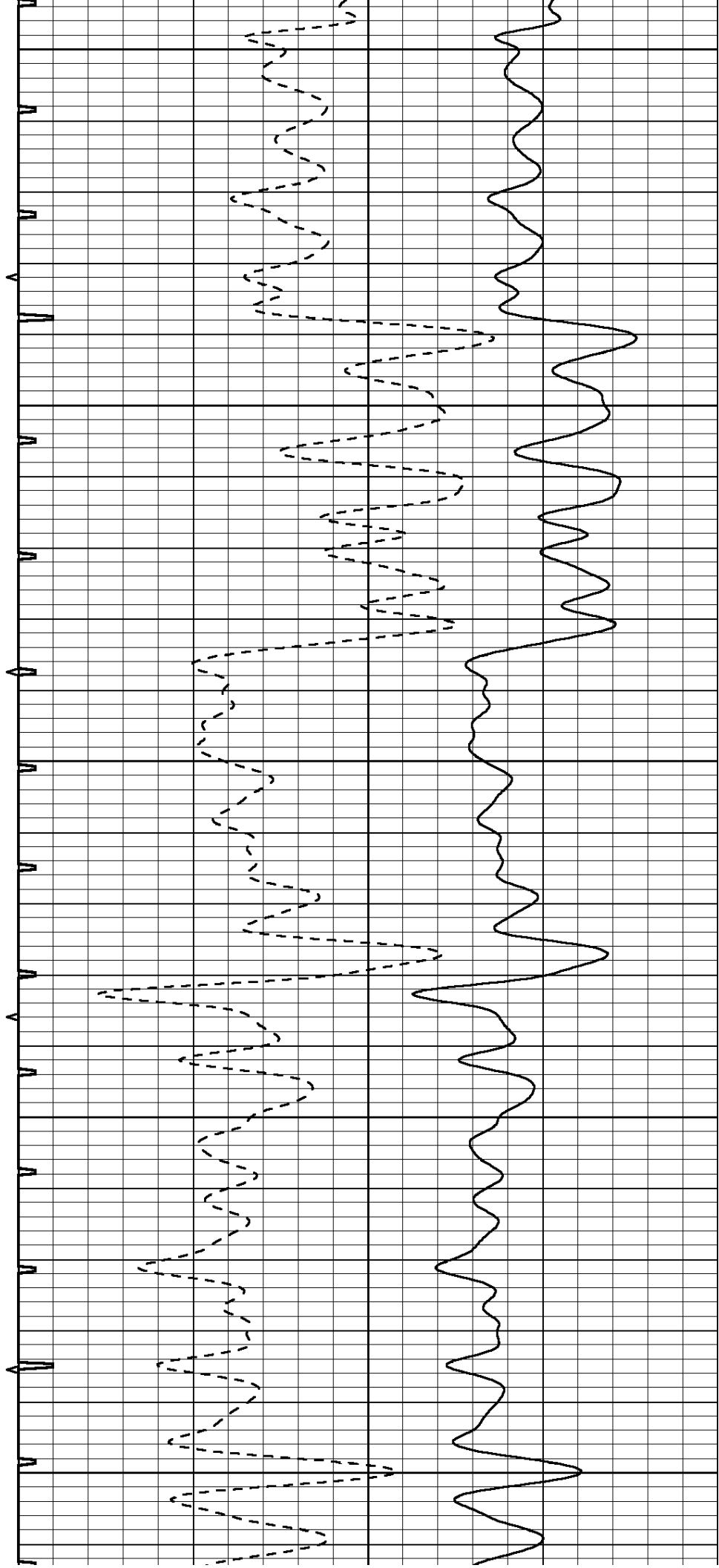
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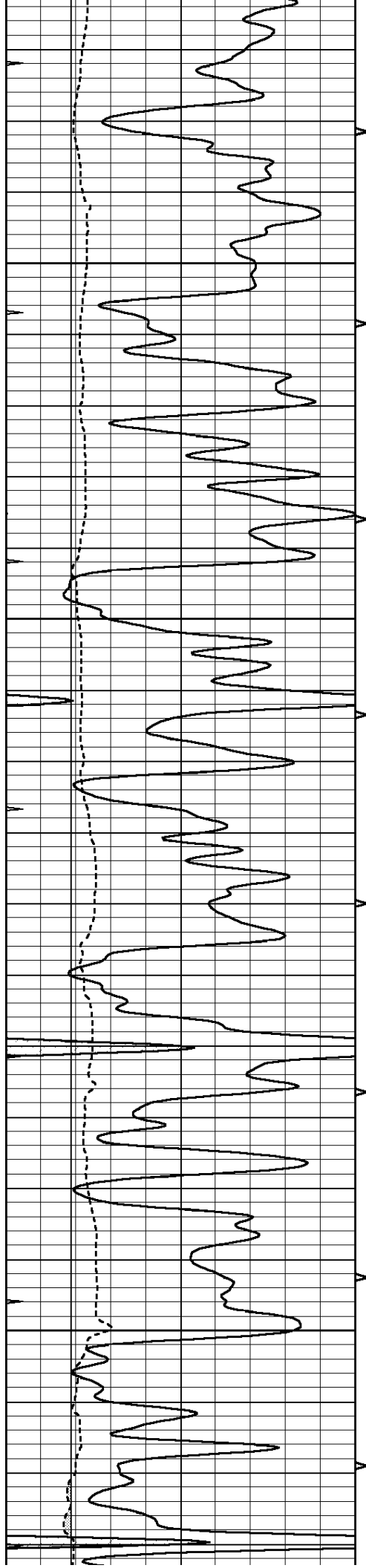
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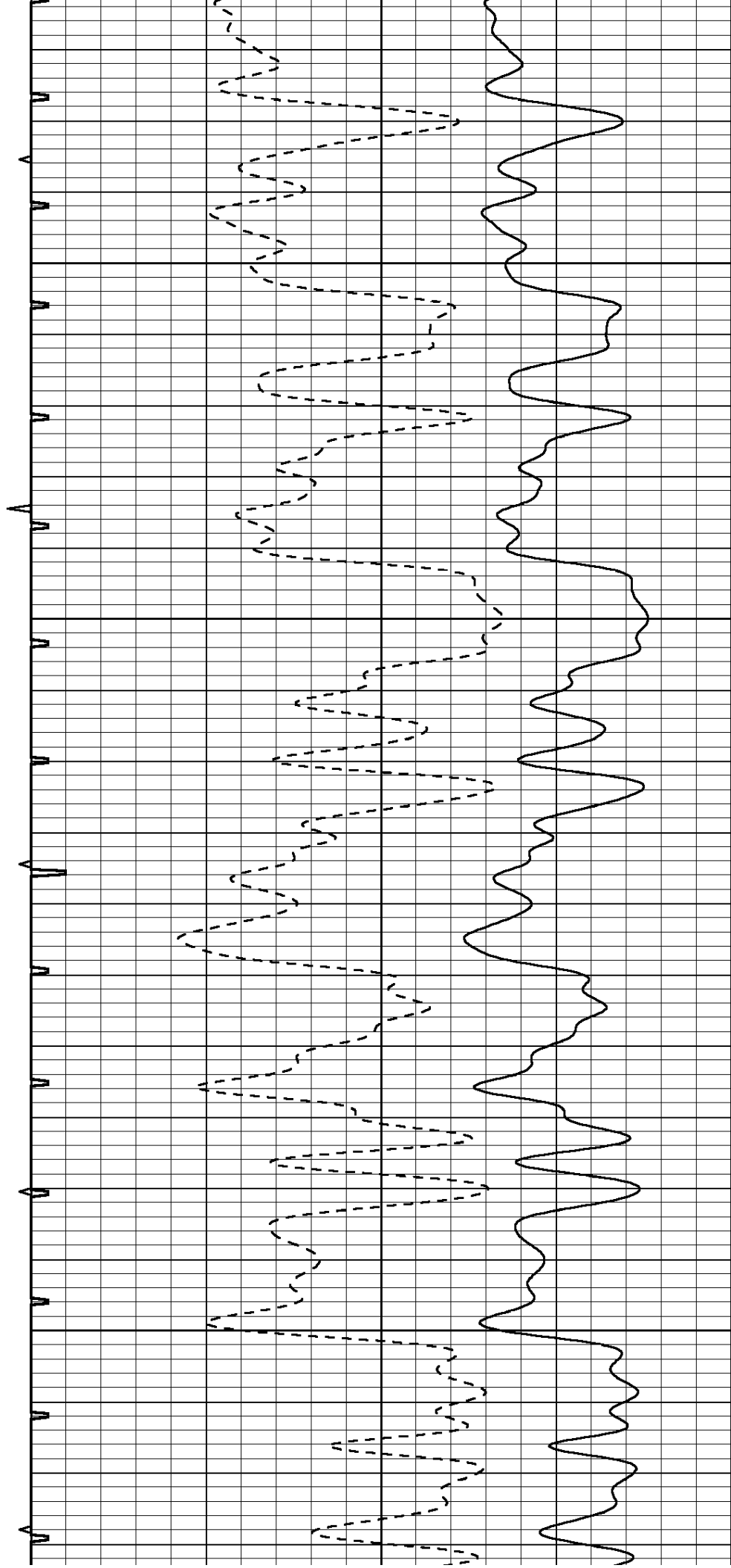


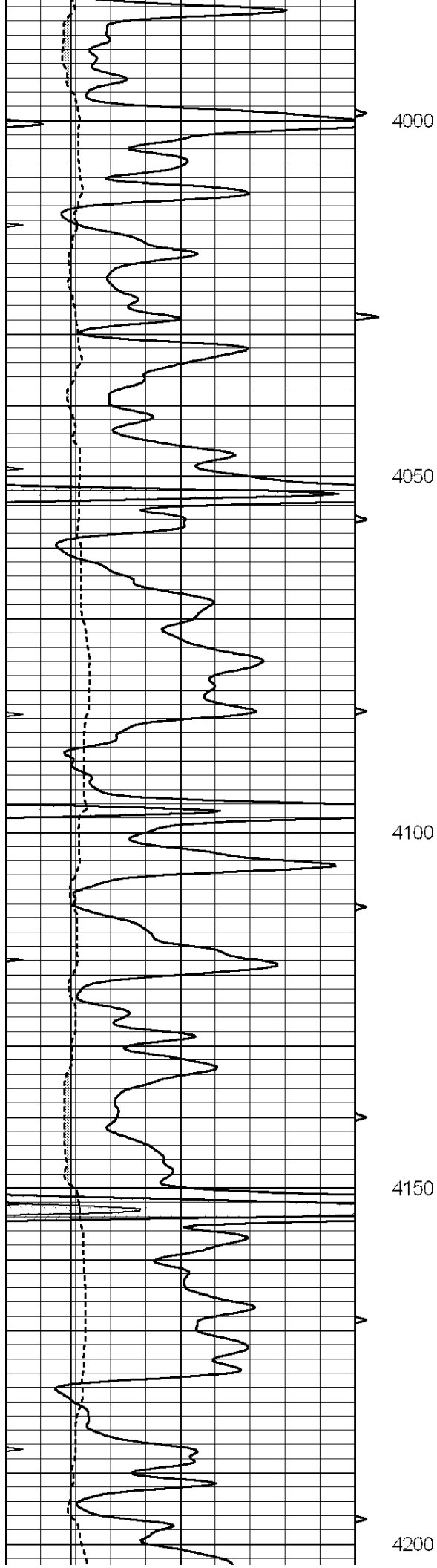
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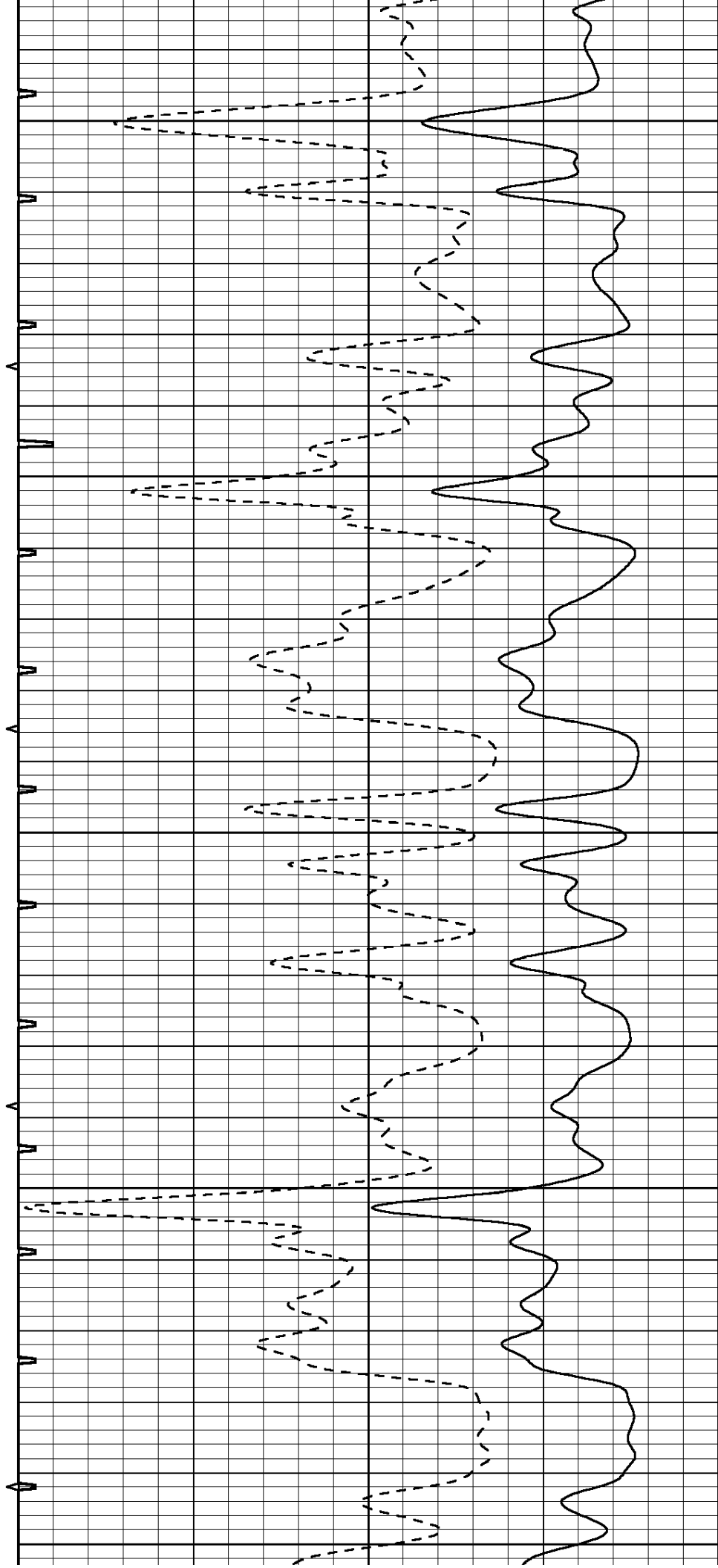
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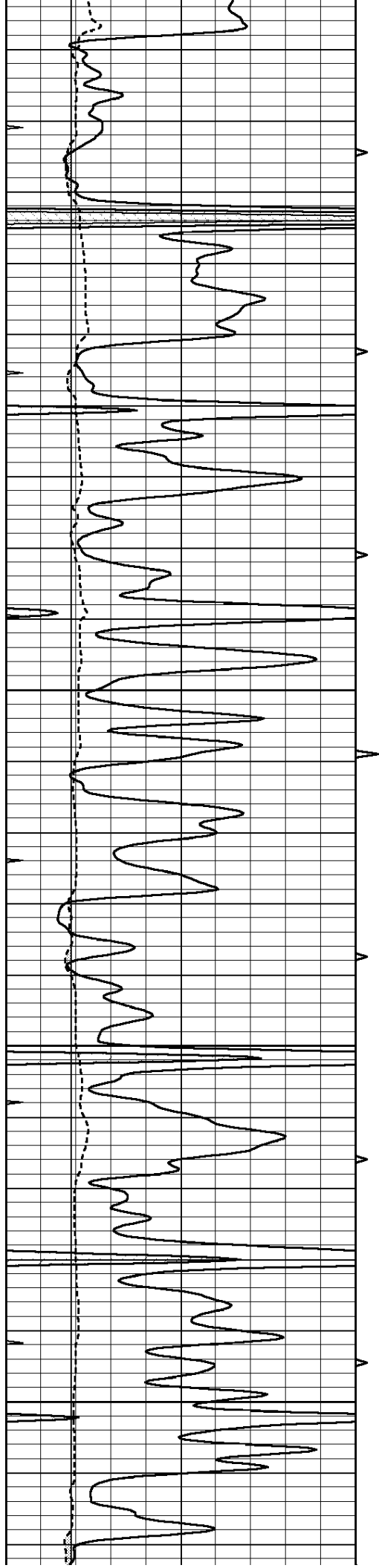
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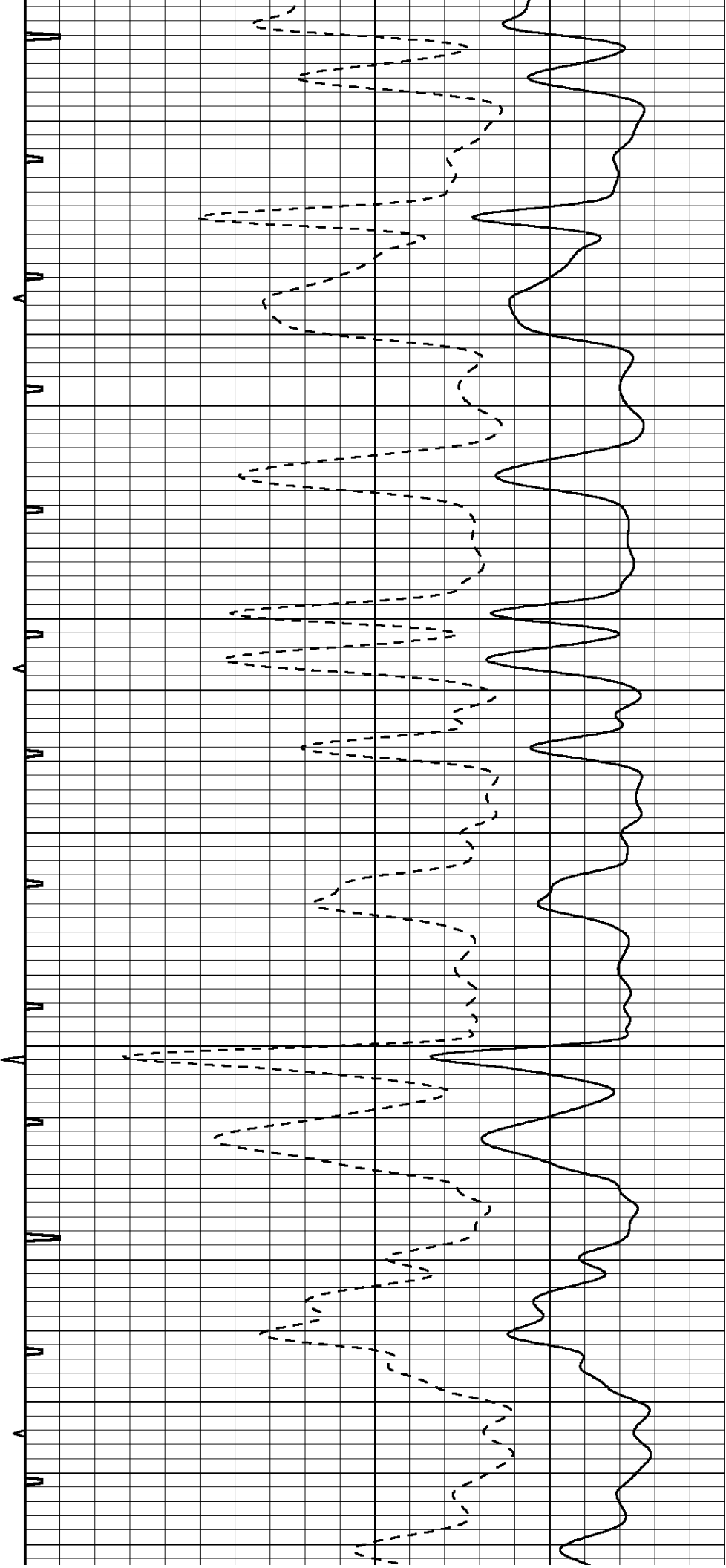


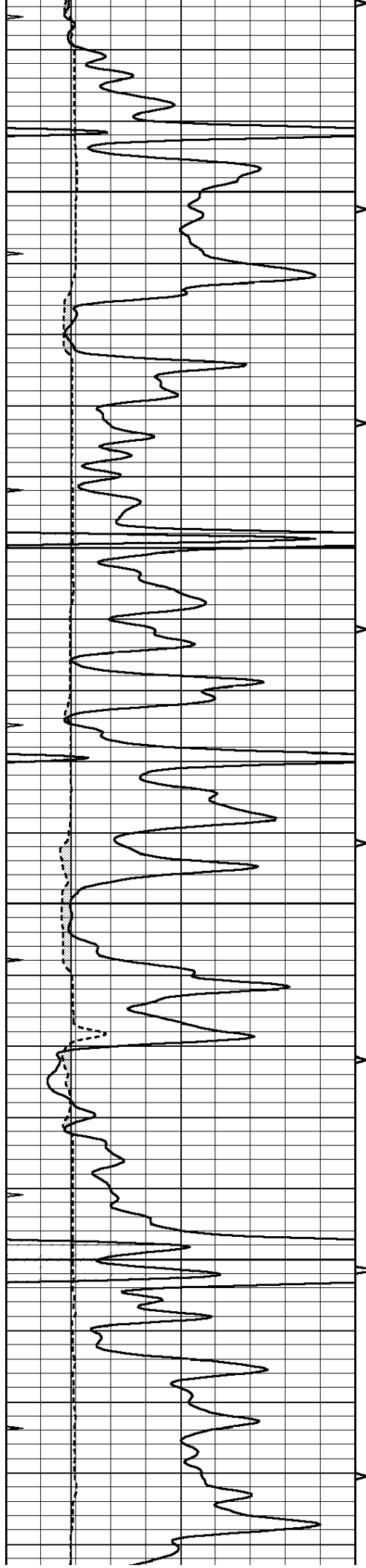
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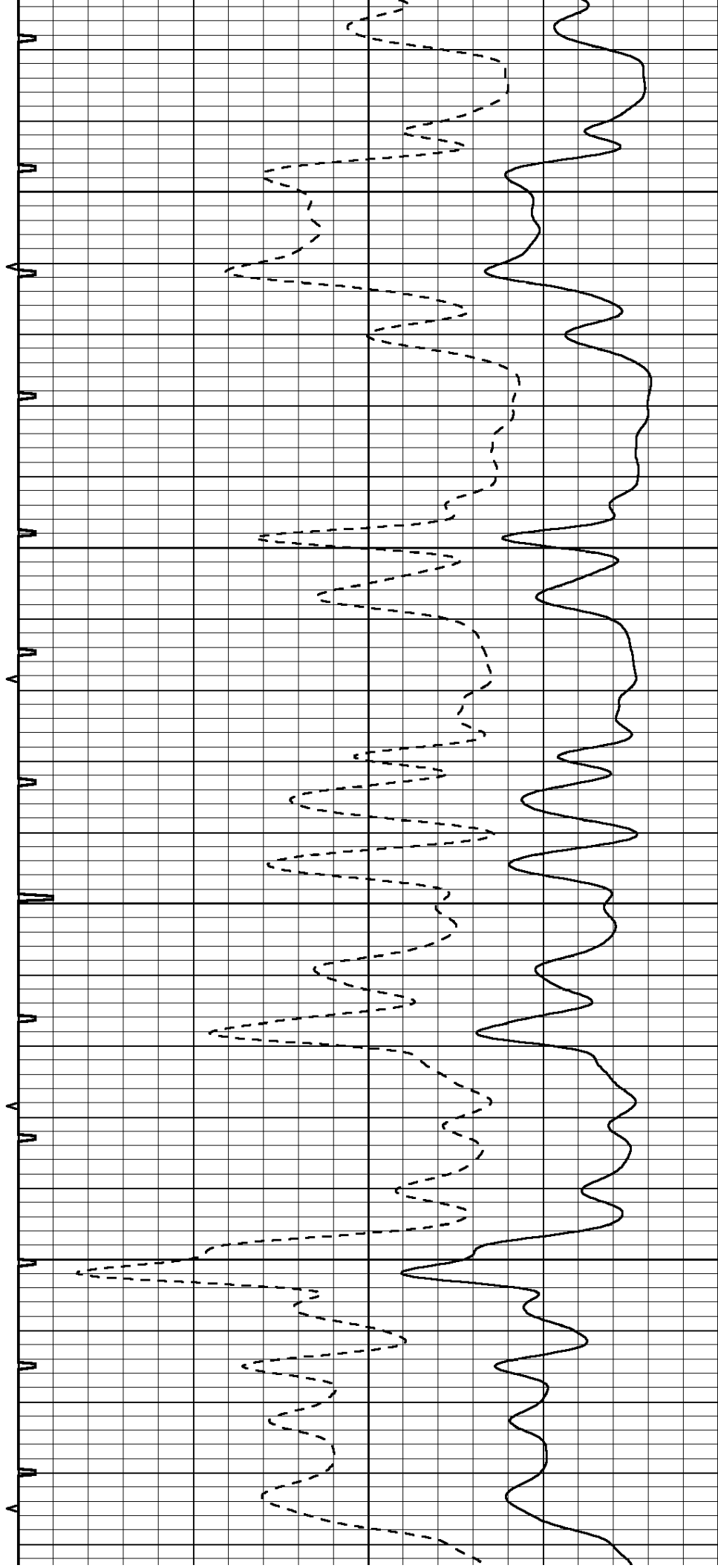


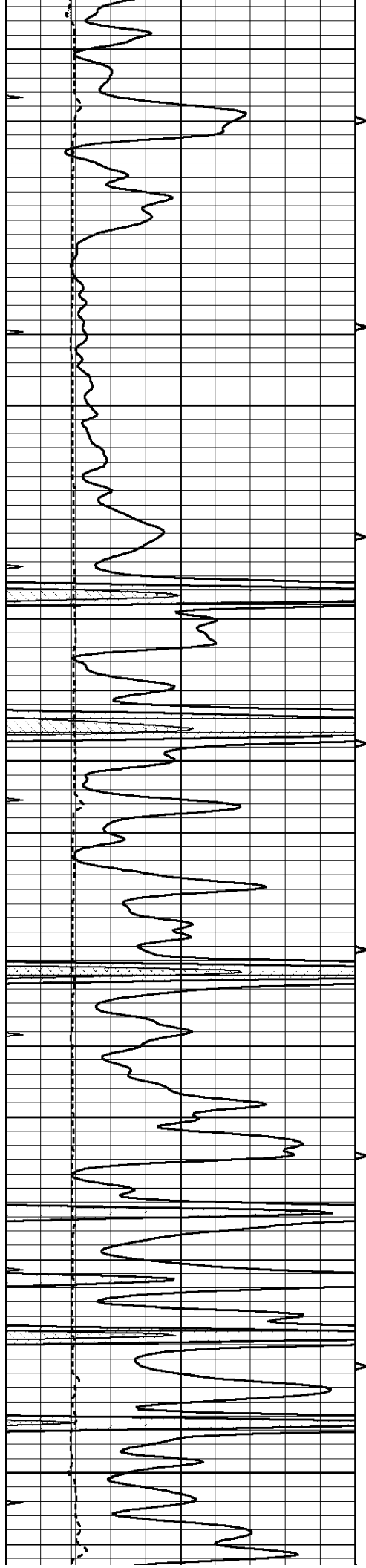
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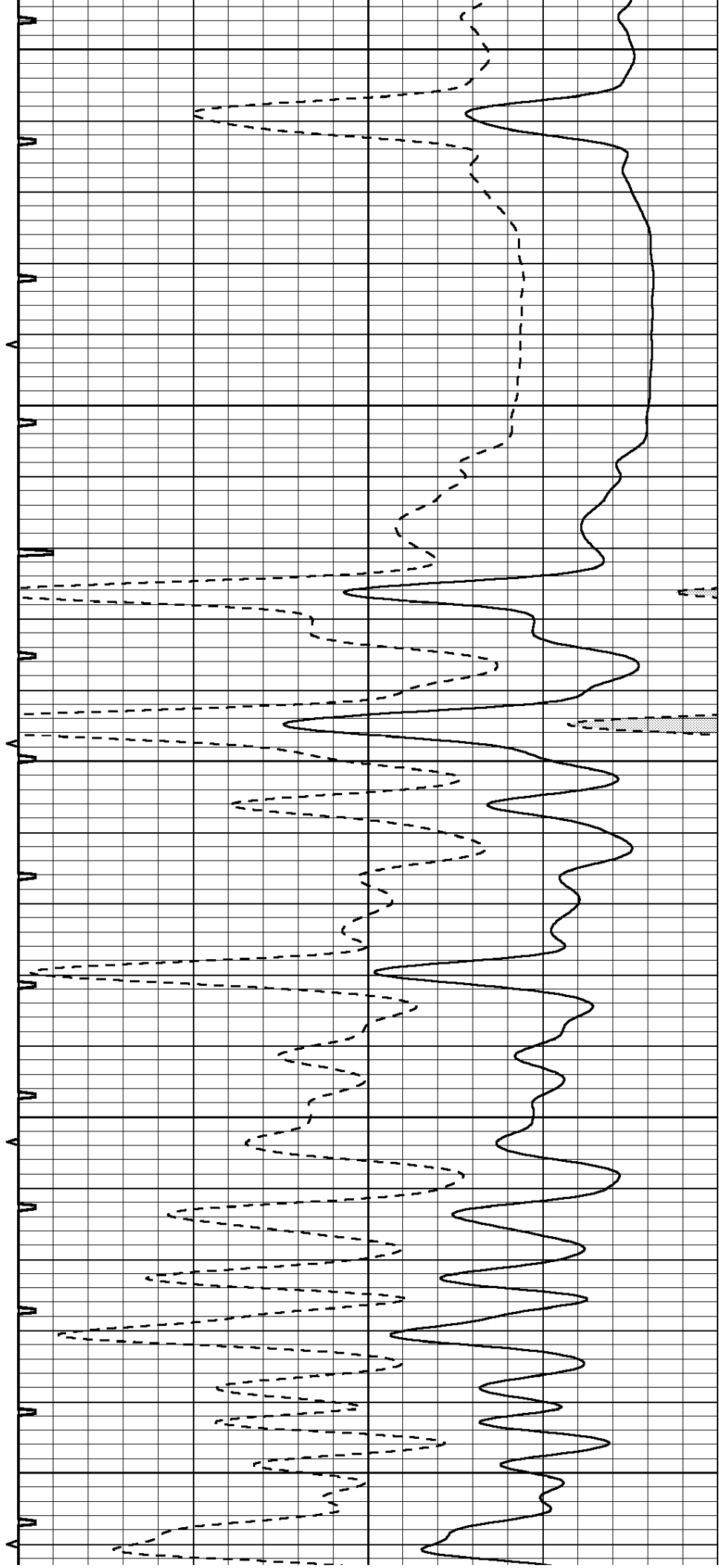
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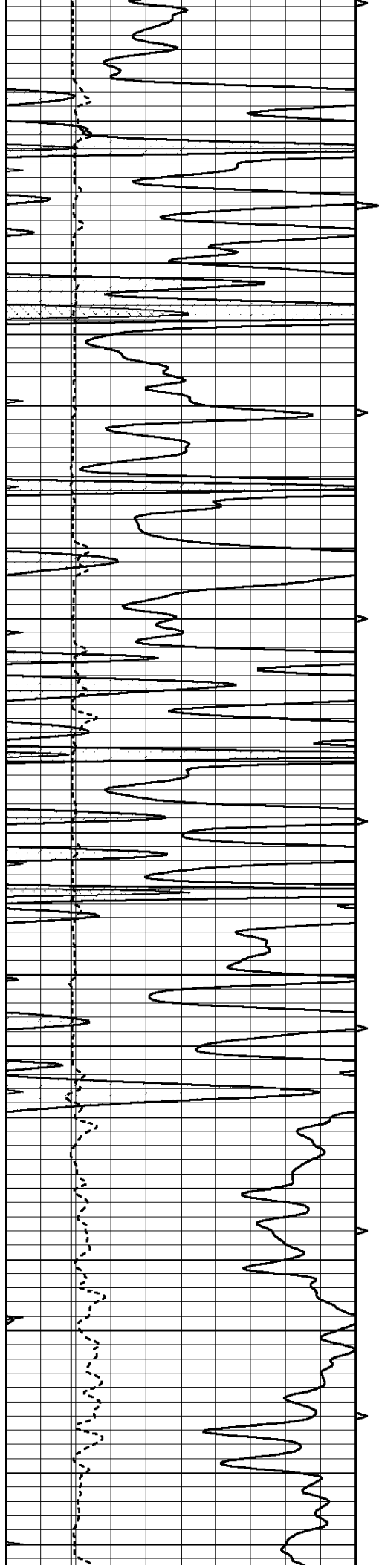
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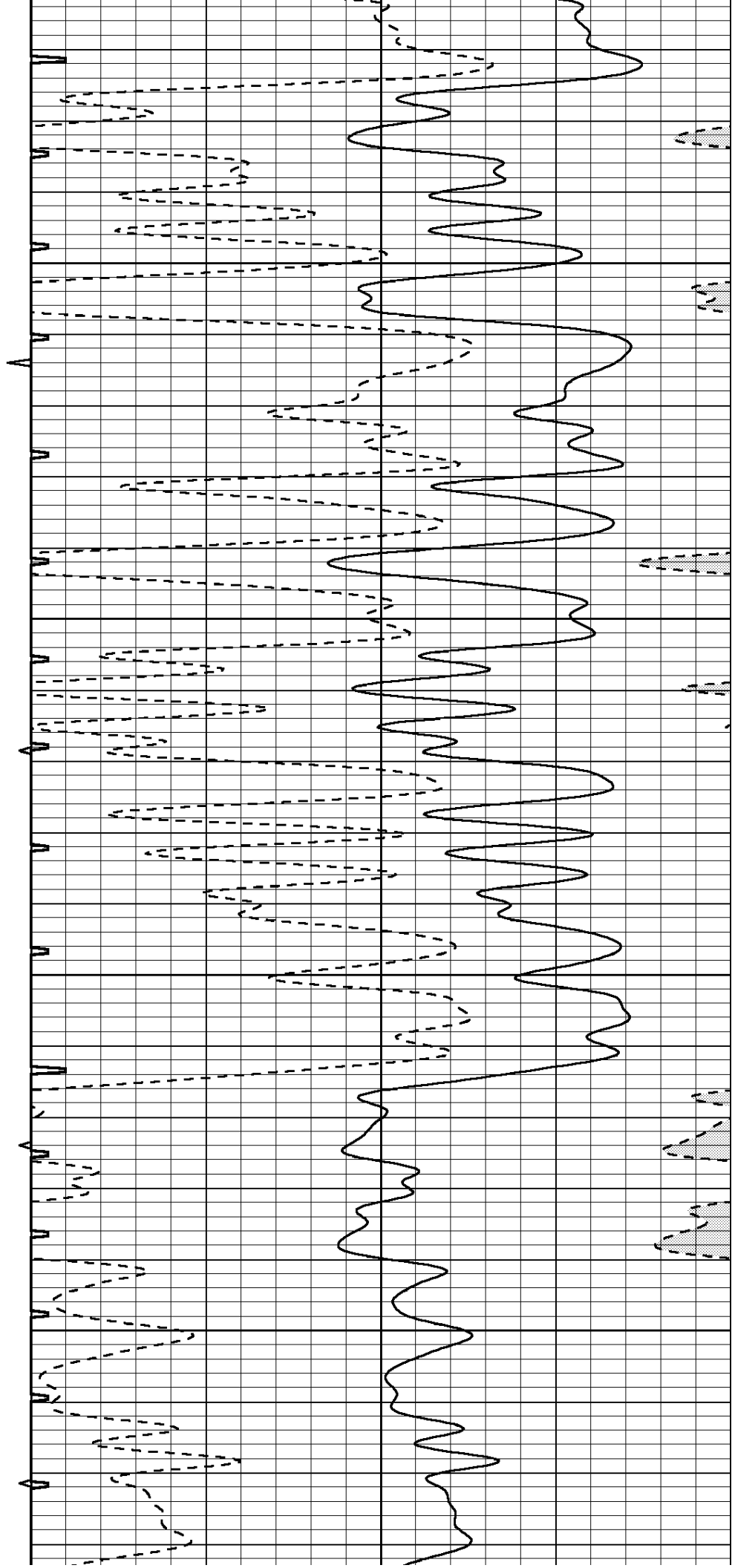


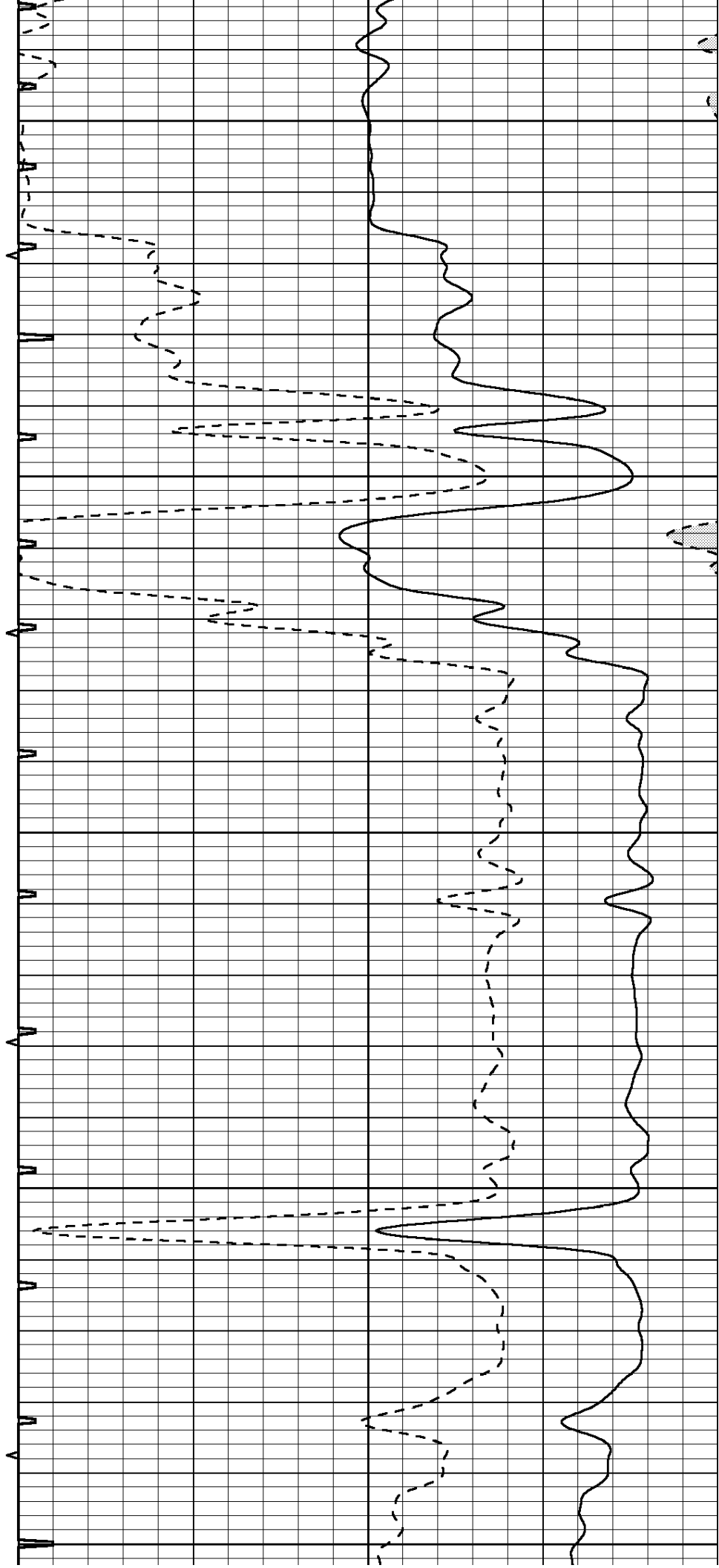
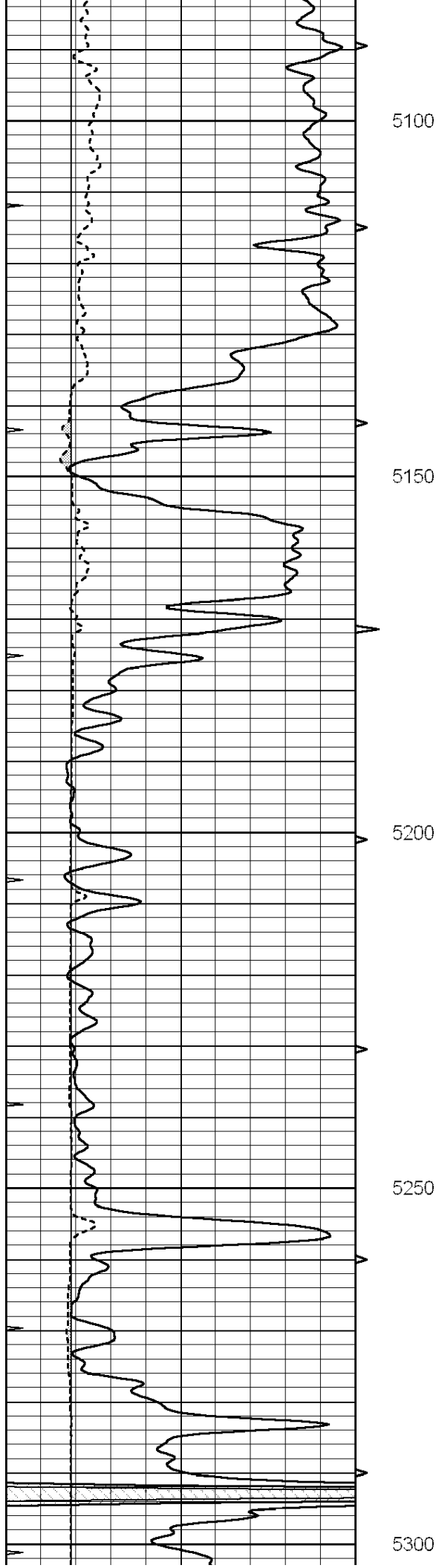
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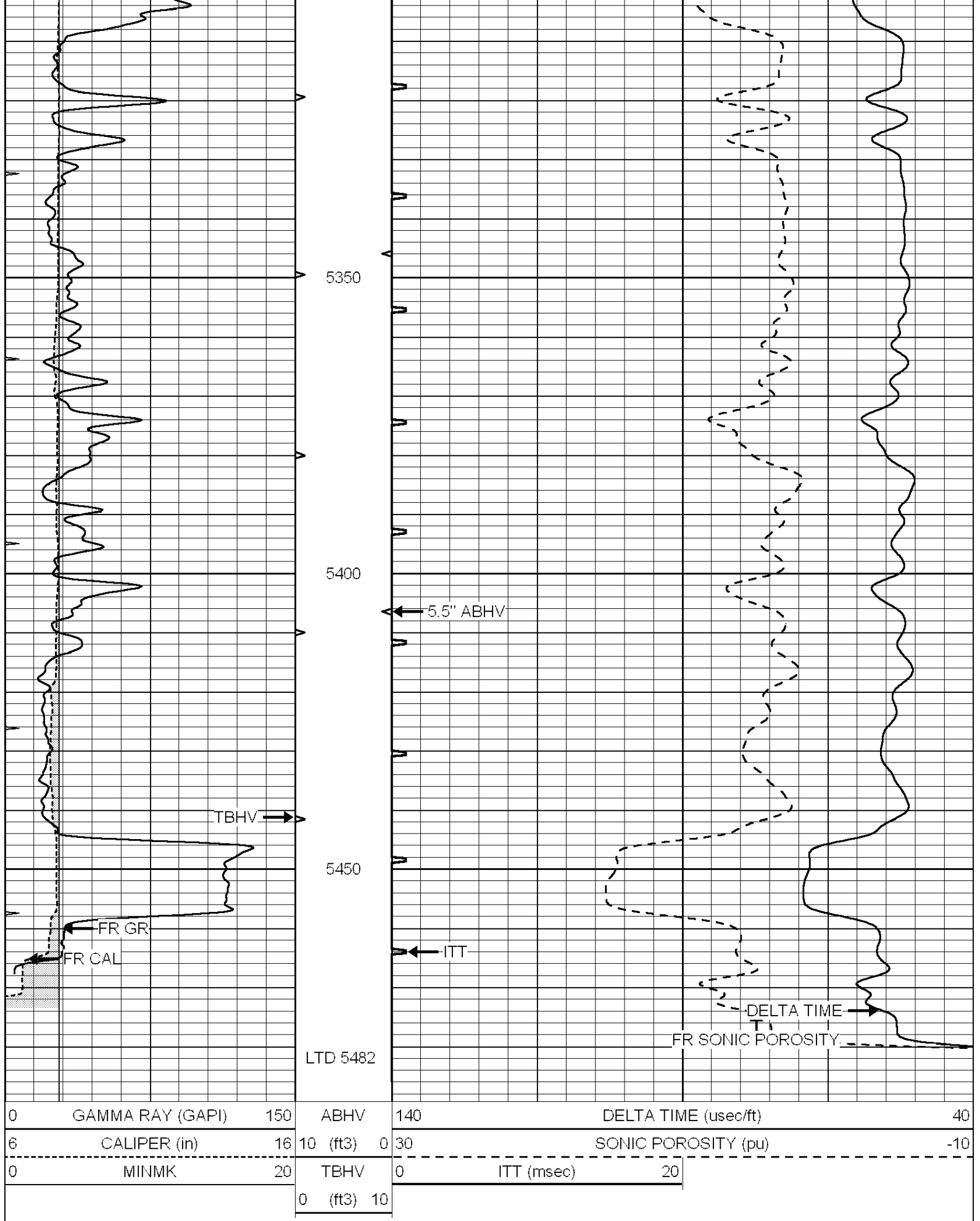
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Database File: 011824pe.db
Dataset Pathname: pass7.3
Presentation Format: slt
Dataset Creation: Tue Dec 10 23:37:54 2013
Charted by: Depth in Feet scaled 1:240

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		

