



SUPERIOR
Hays,
Kansas

SONIC LOG

Company		MULL DRILLING COMPANY, INC.	
Well		#1-17 WIERMAN 'B'	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Location:		API # : 15-135-25210-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 17 TWP 16S RGE 22W		Elevation	
1021' FSL & 401' FWL		CDL/CNL/PE	
		DIL/MEL	
		Elevation	
		K.B. 2449	
		D.F. 2447	
		G.L. 2444	
Date	2/22/11		
Run Number	TWO		
Depth Driller	4530		
Depth Logger	4530		
Bottom Logged Interval	4517		
Top Log Interval	200		
Casing Driller	8 5/8"@227'		
Casing Logger	224		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,500 PPM	
Density / Viscosity	9.0/69		
pH / Fluid Loss	10.0/8.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950@65F		
Rmf @ Meas. Temp	.713@65F		
Rmc @ Meas. Temp	1.14@65F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.510@121F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	1:00 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
BROWNELL, KS. 2W. ON HWY 4 TO "RD. Y", 1N., E. INTO

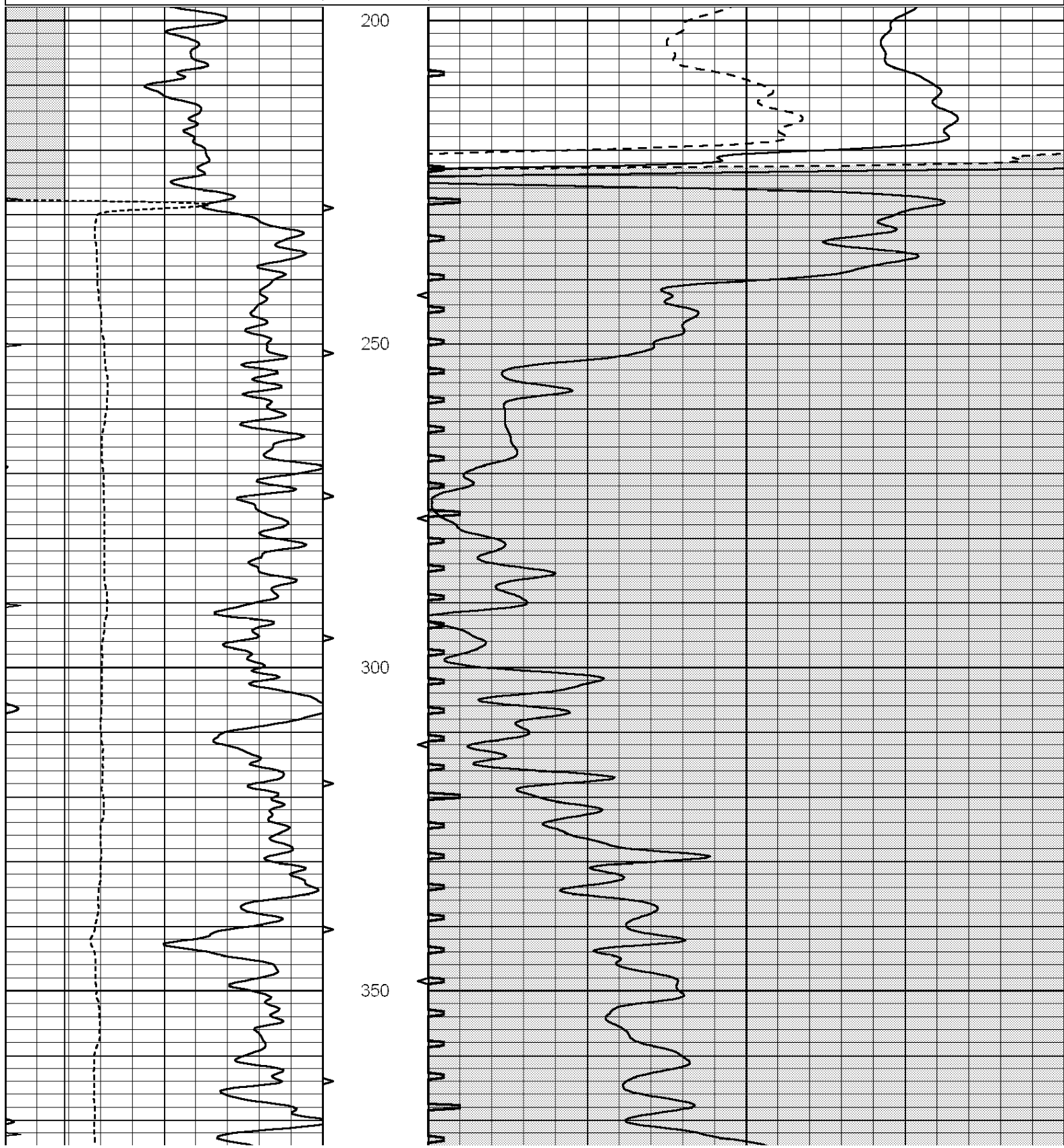


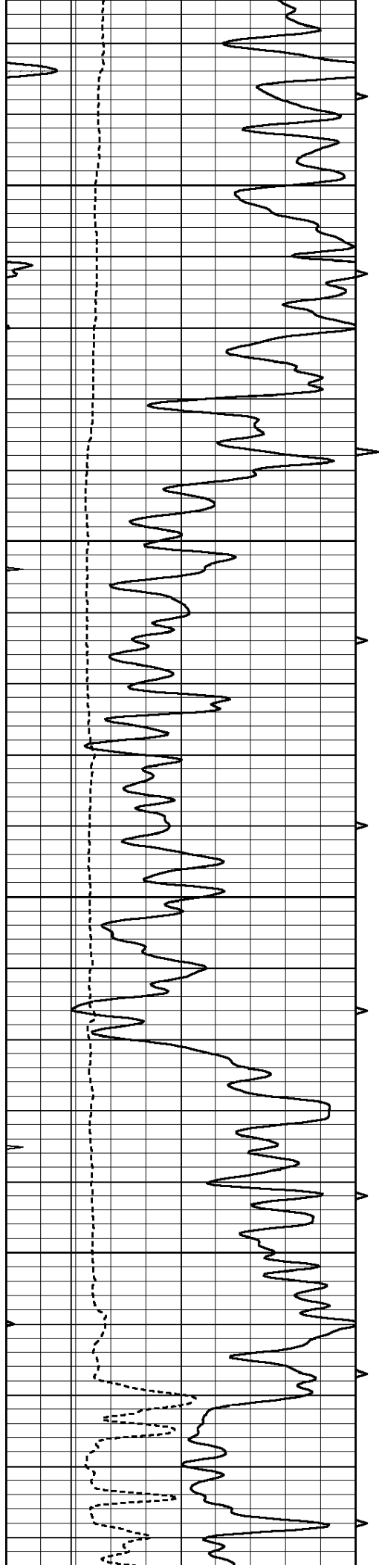
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MAIN SECTION

Database File: 006294pe.db
Dataset Pathname: pass8.6
Presentation Format: slt
Dataset Creation: Tue Feb 22 16:55:46 2011 by Calc Open-Cased 090629
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				



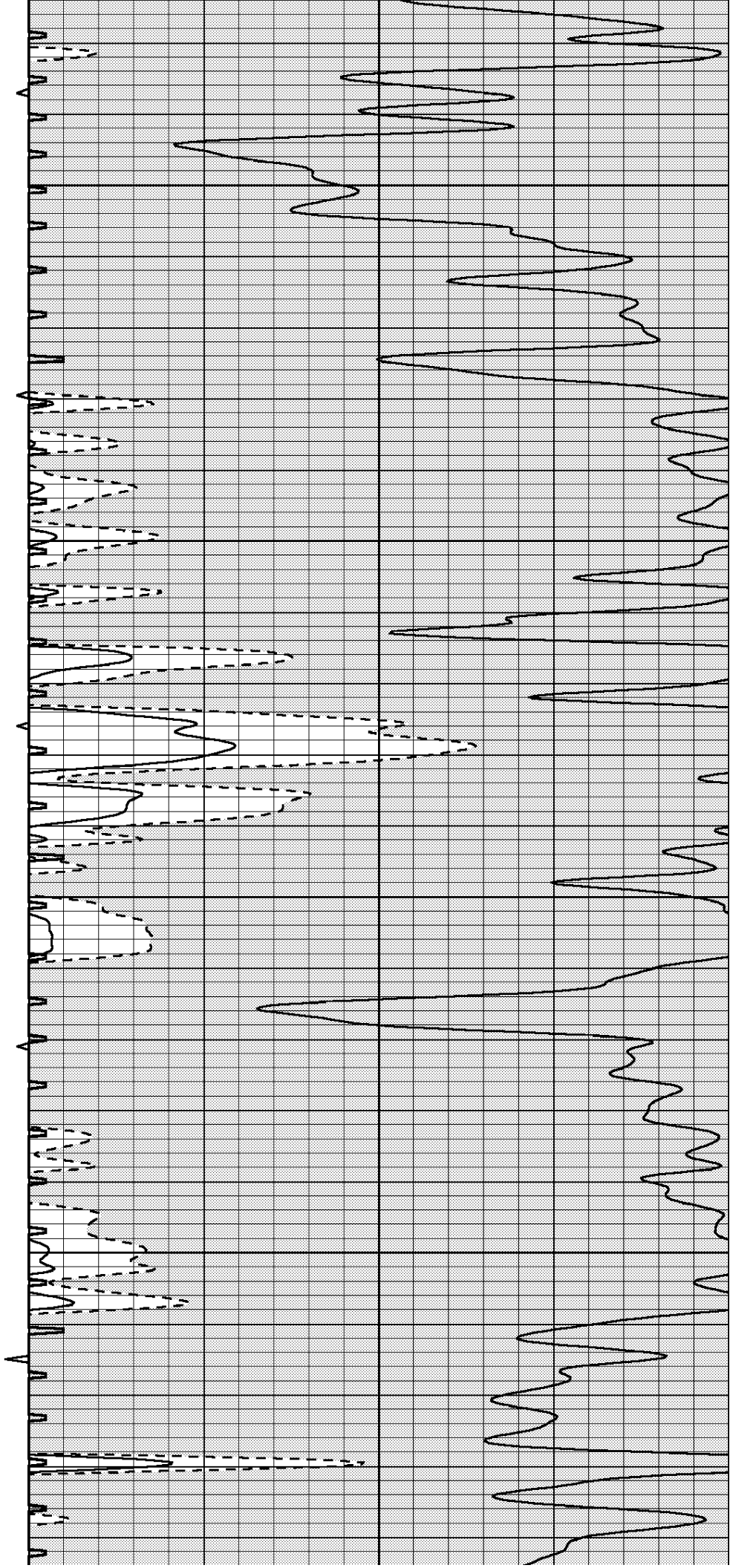


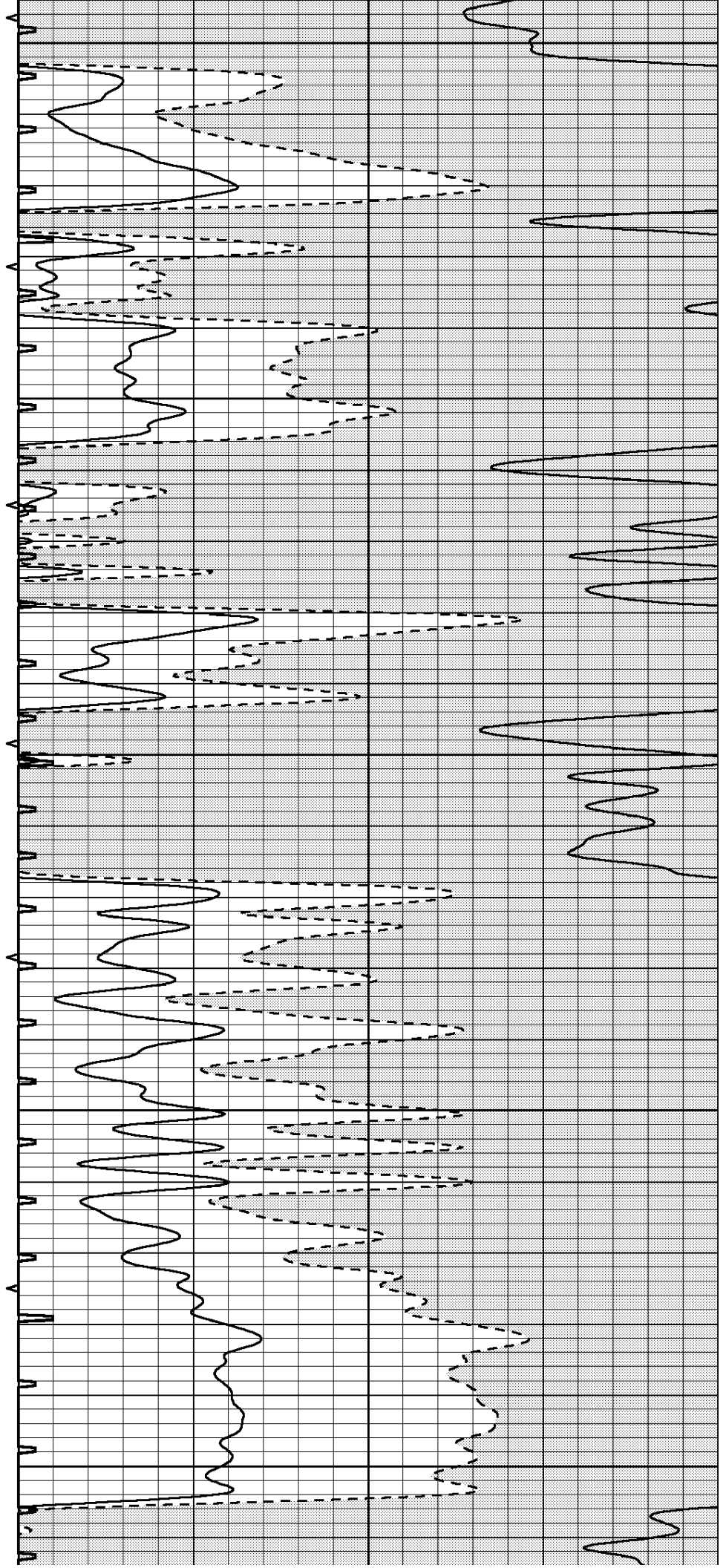
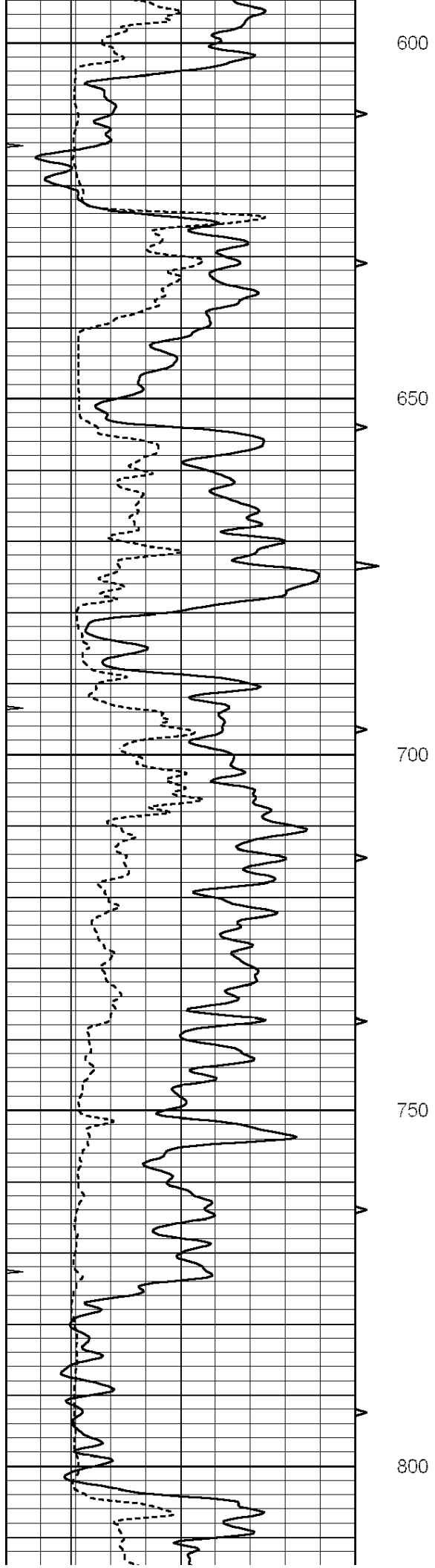
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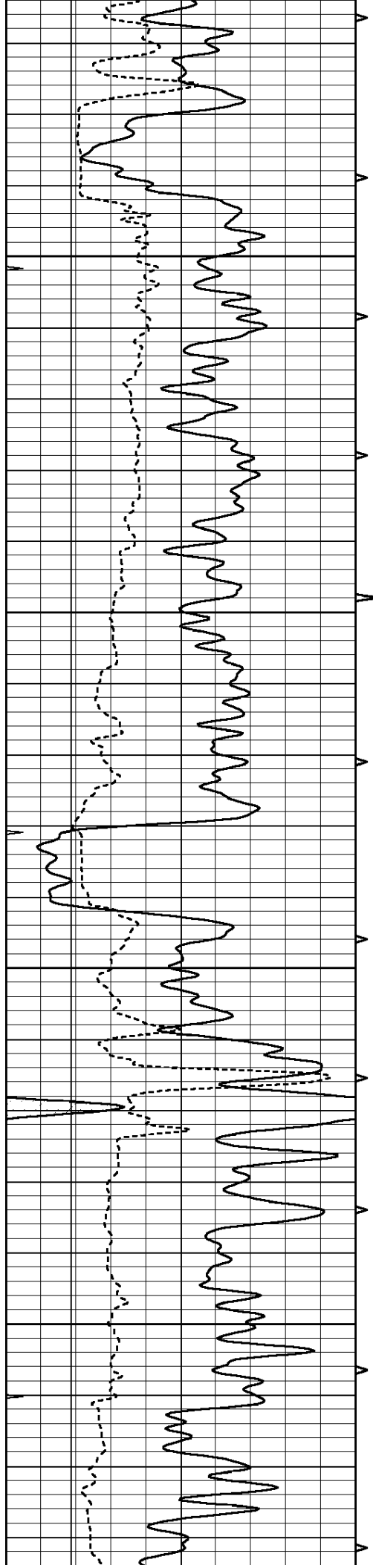
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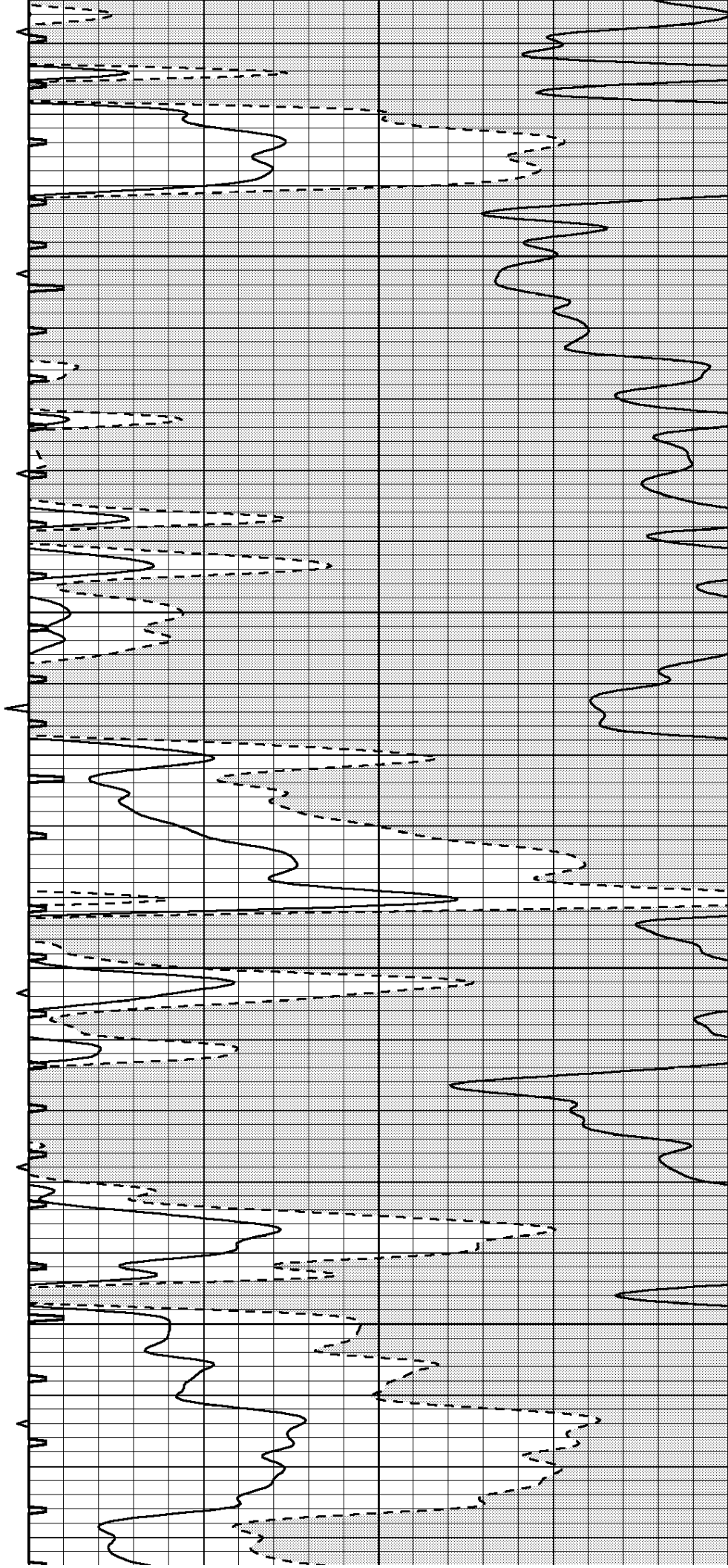


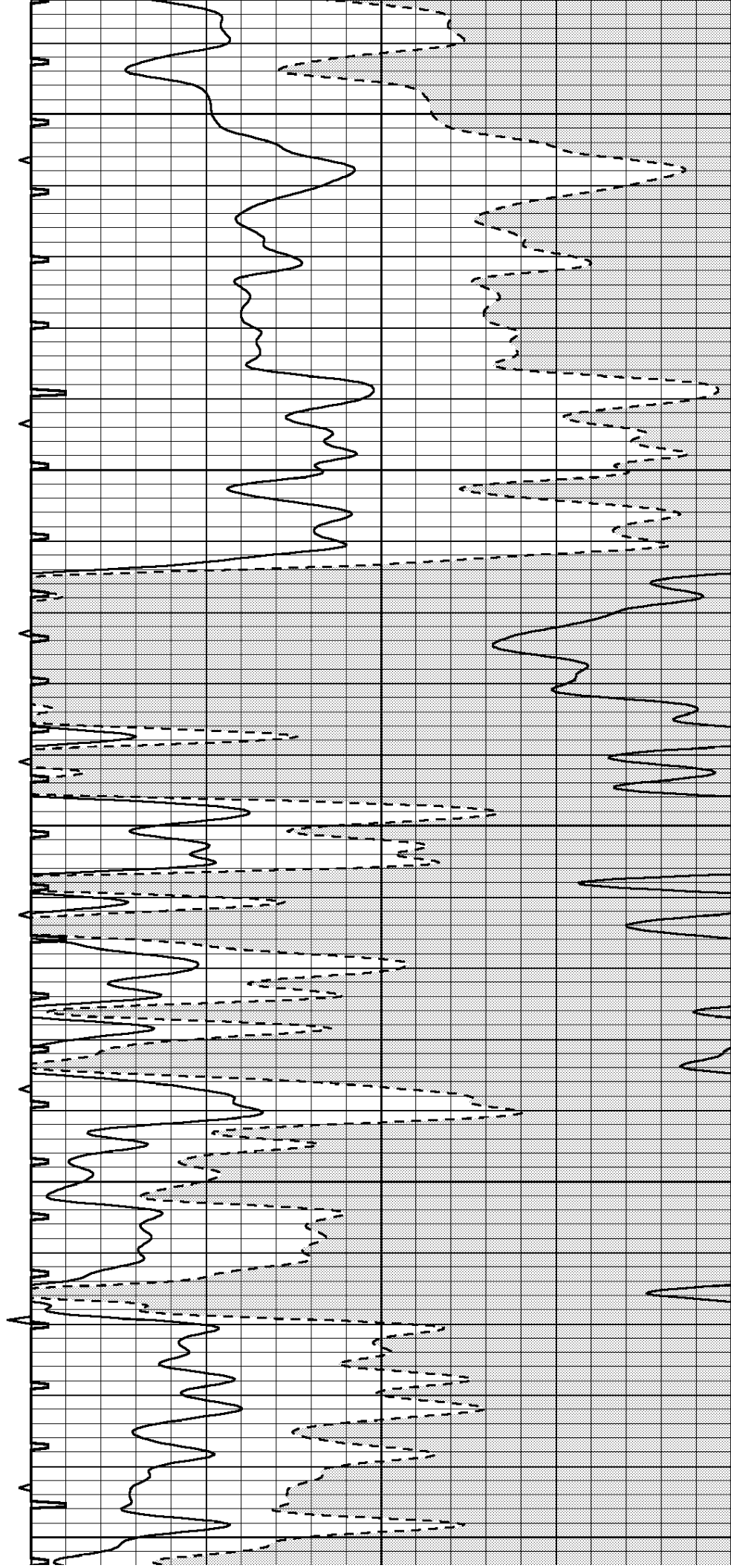
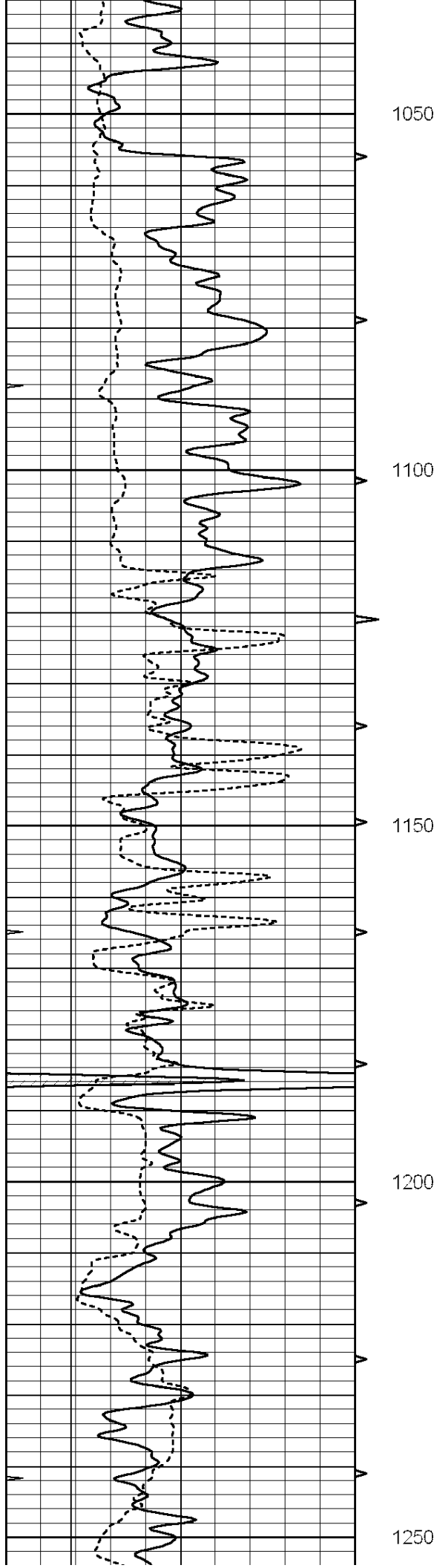
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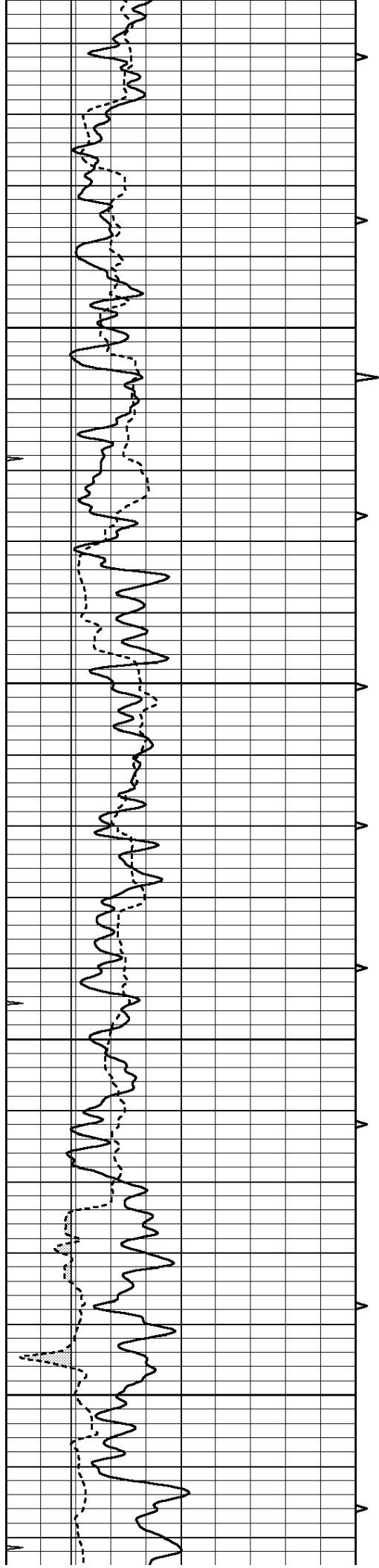
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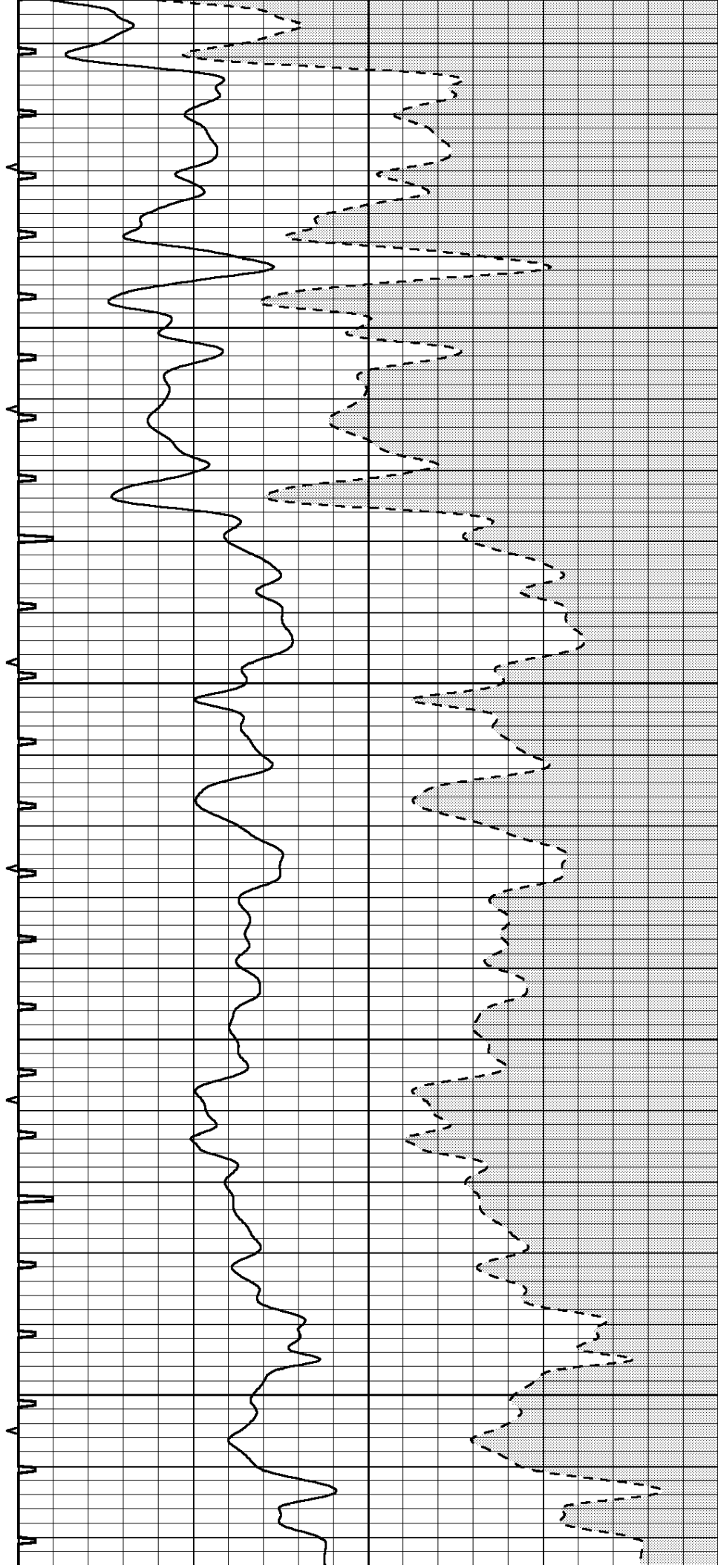


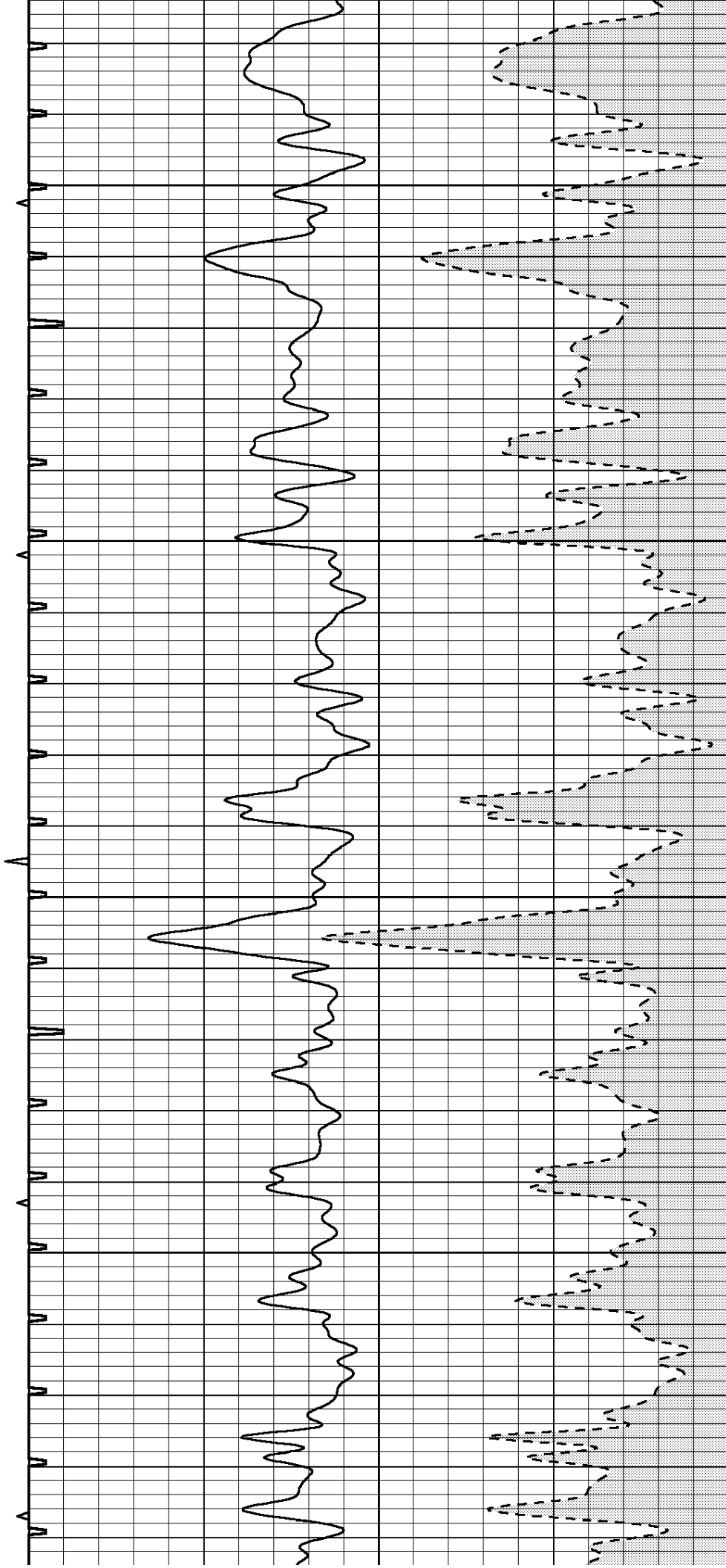
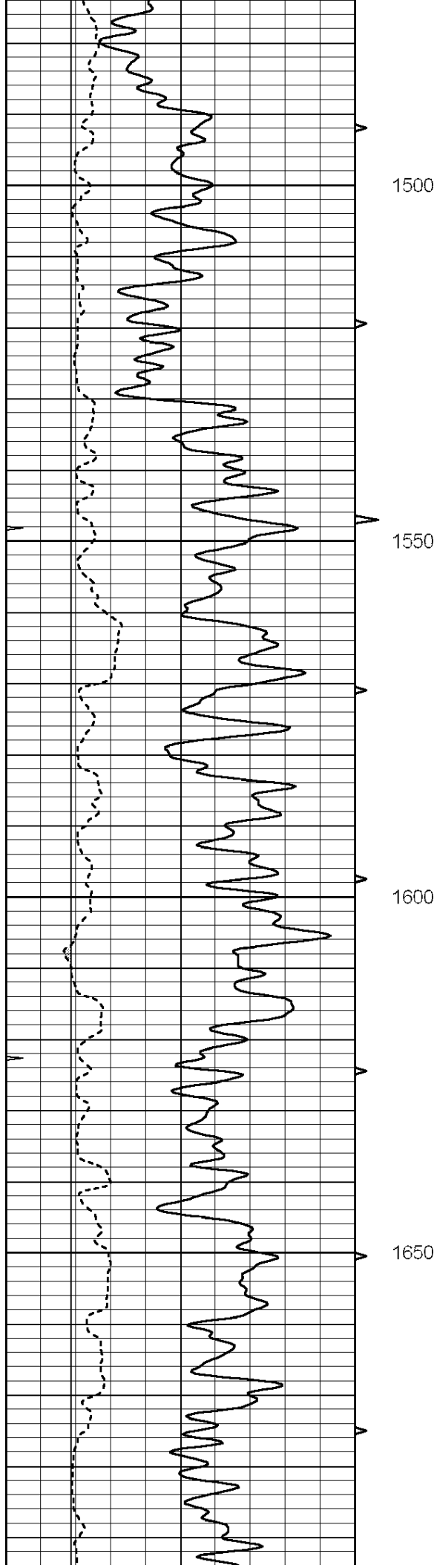
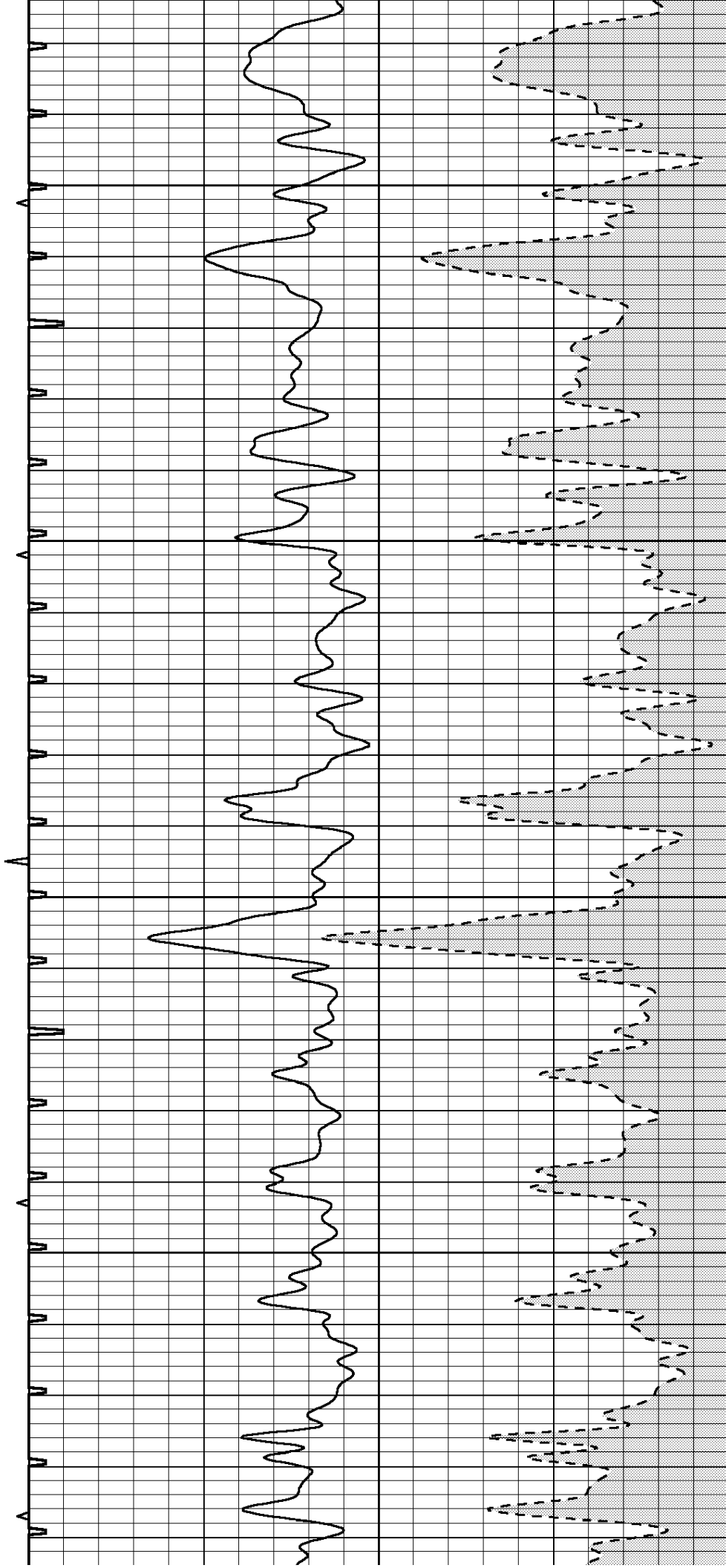
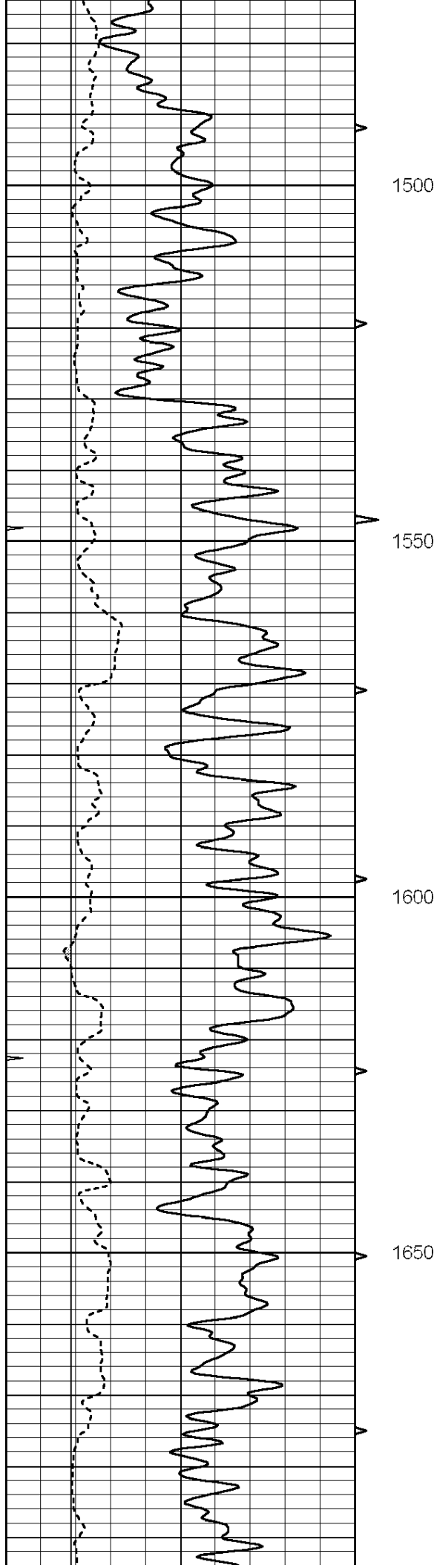
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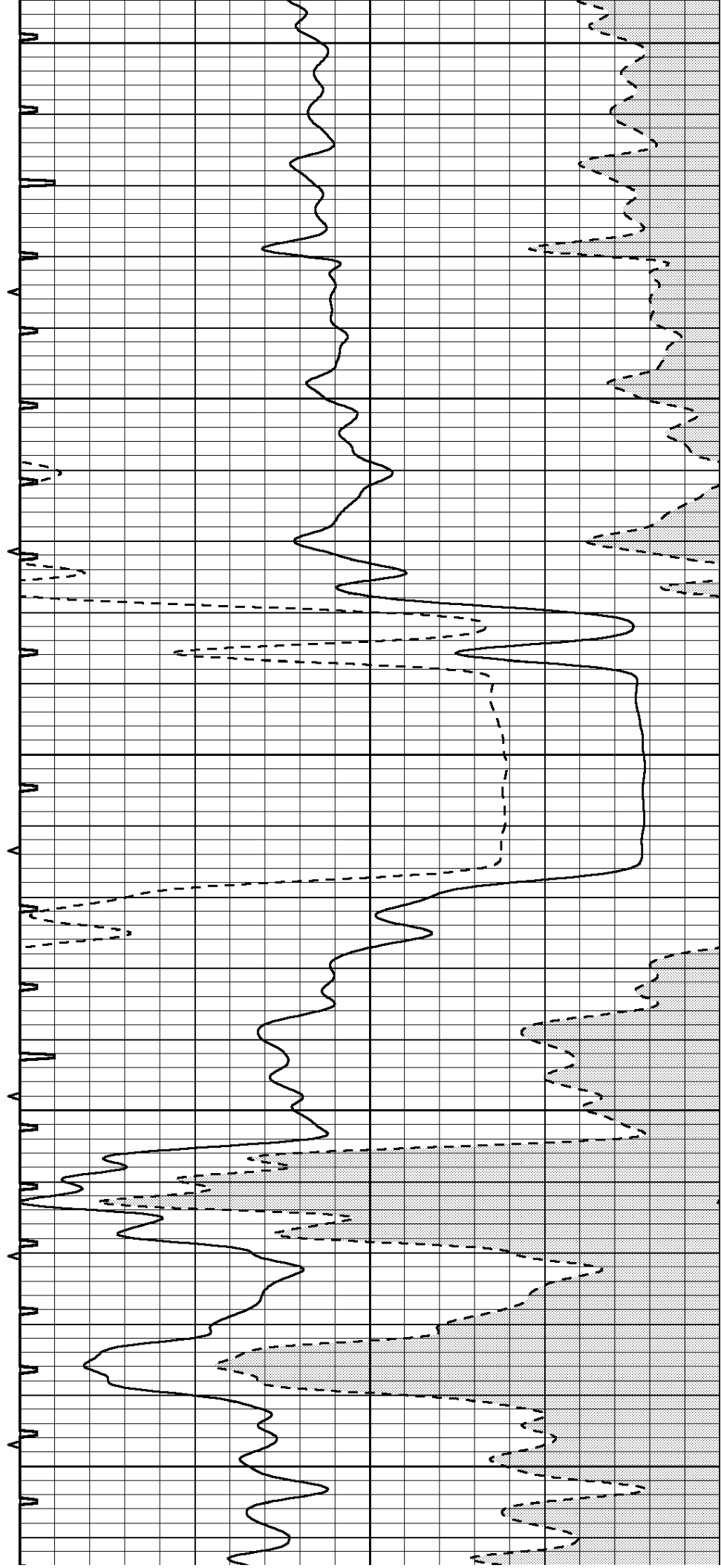
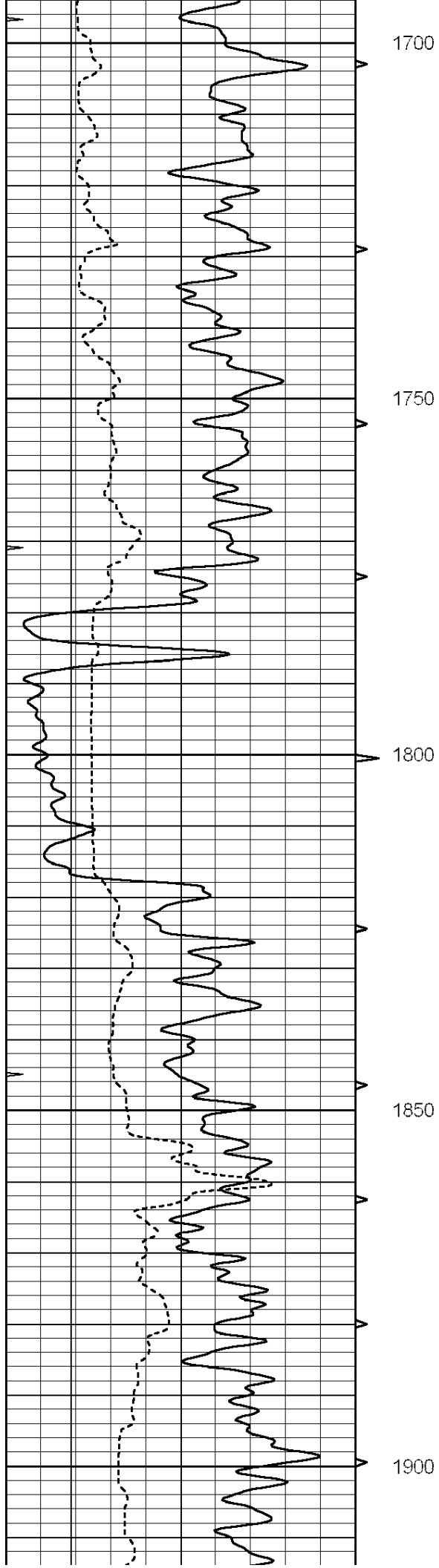
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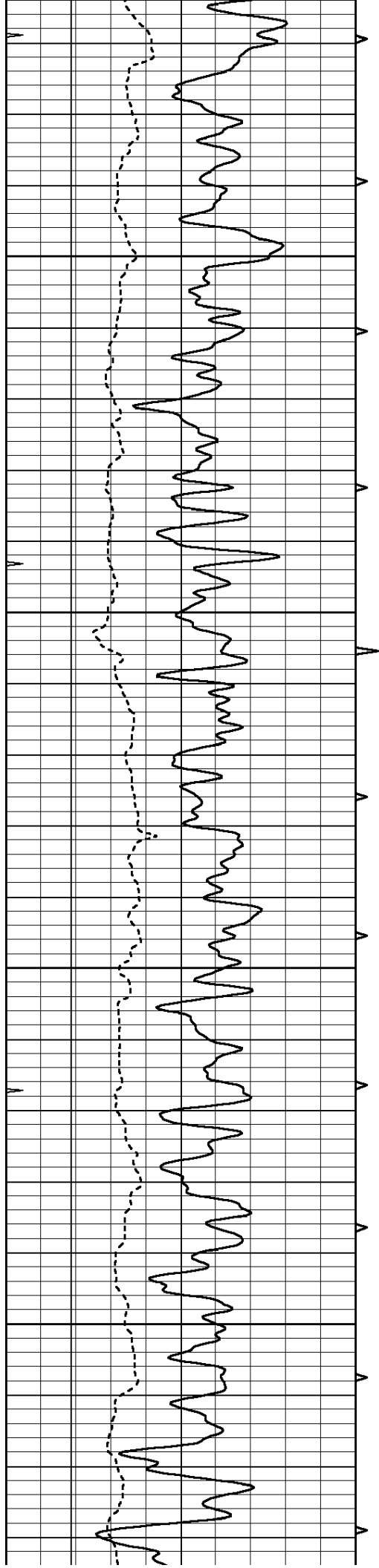
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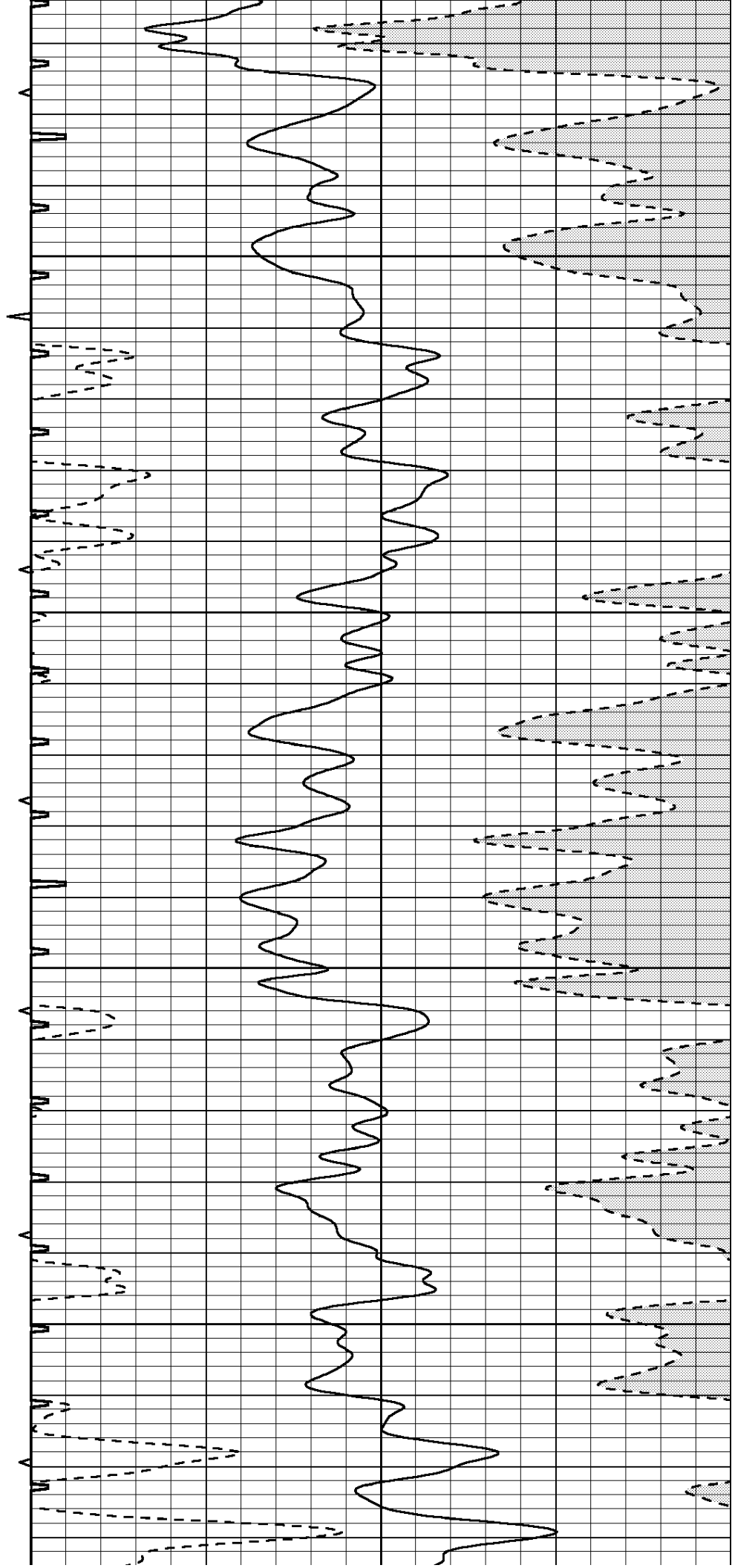


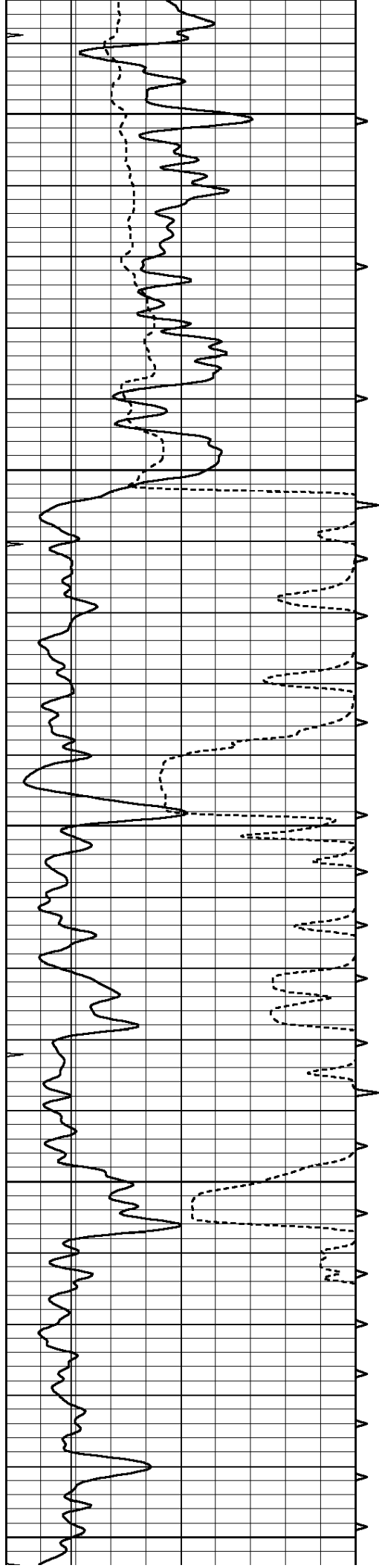
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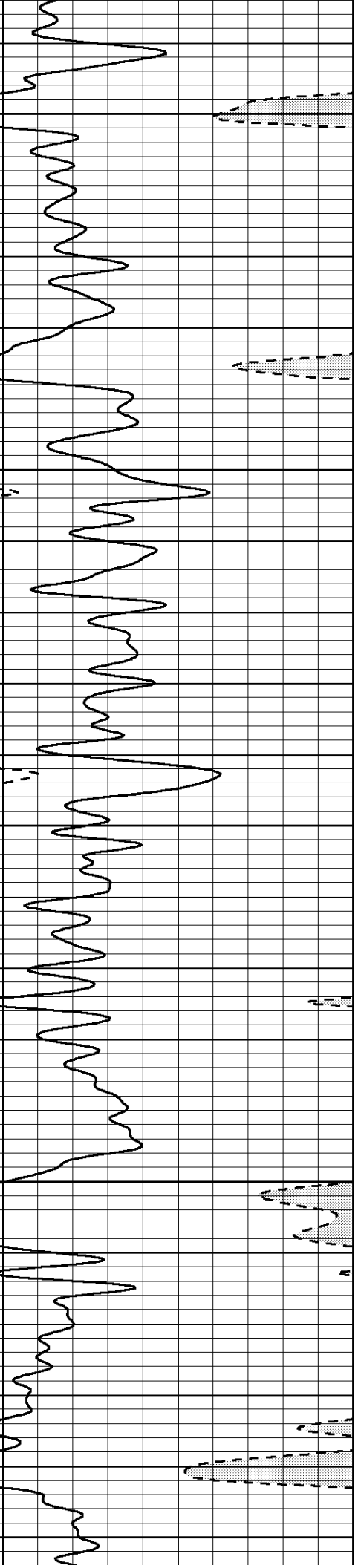
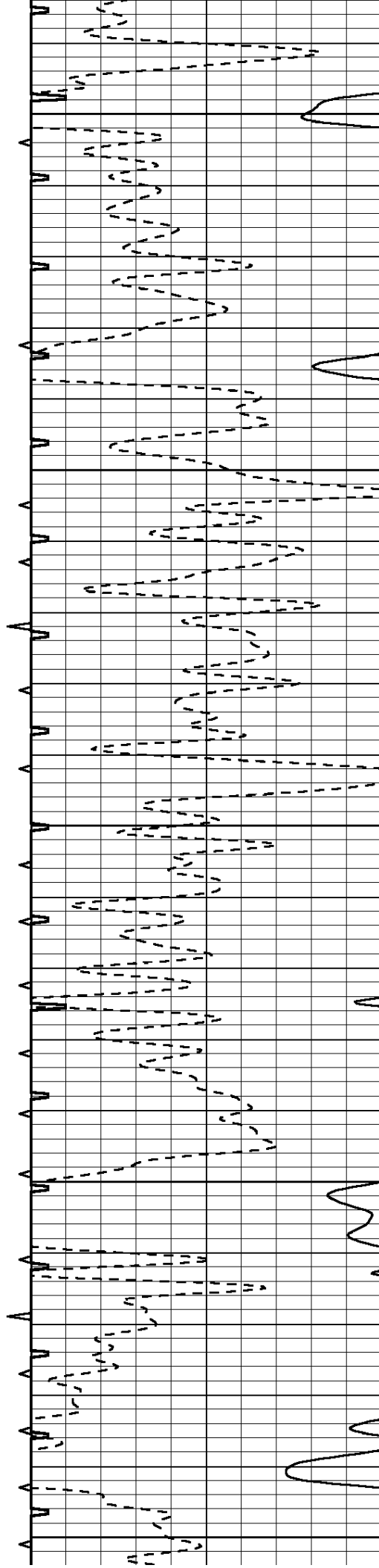
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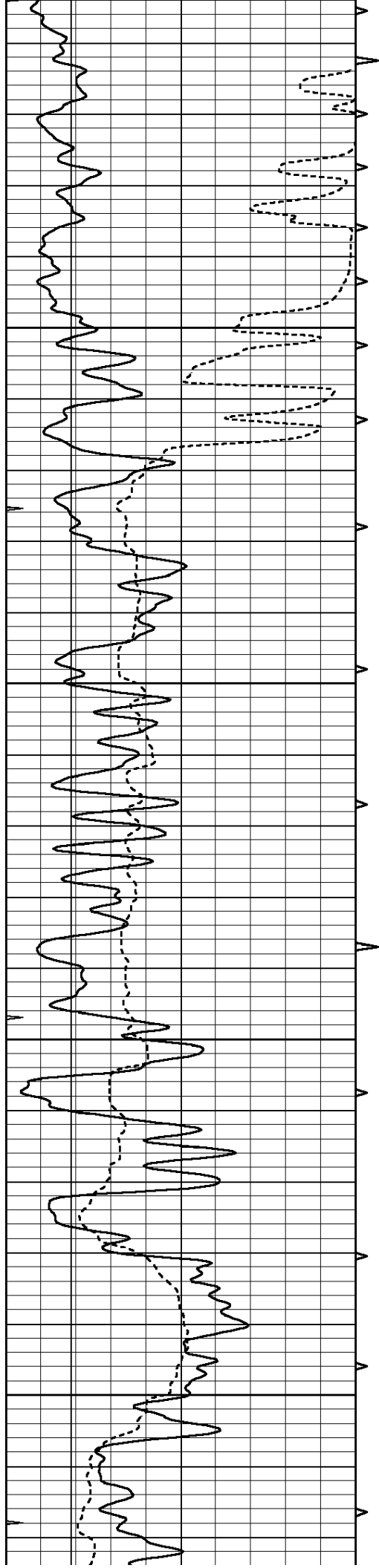
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2350



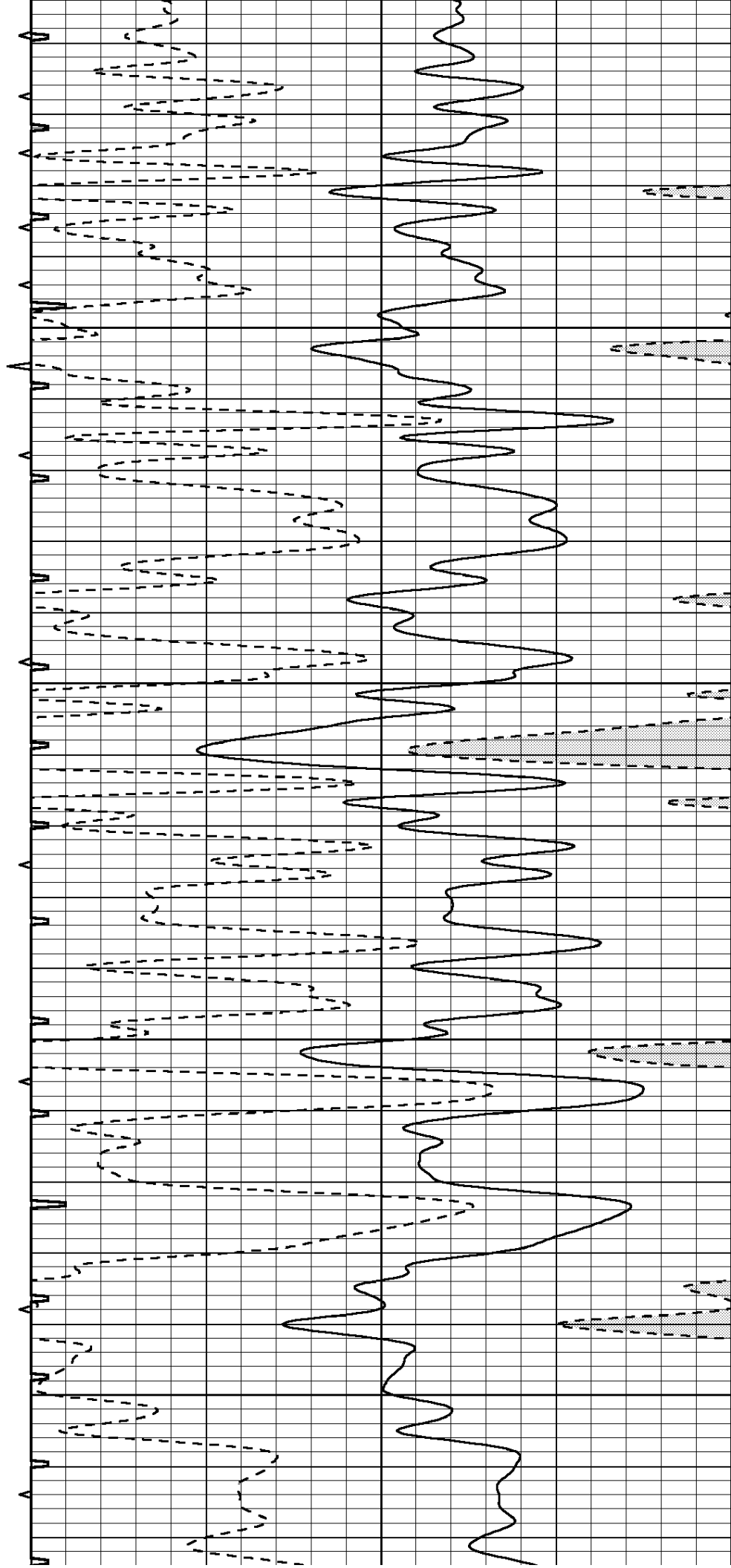


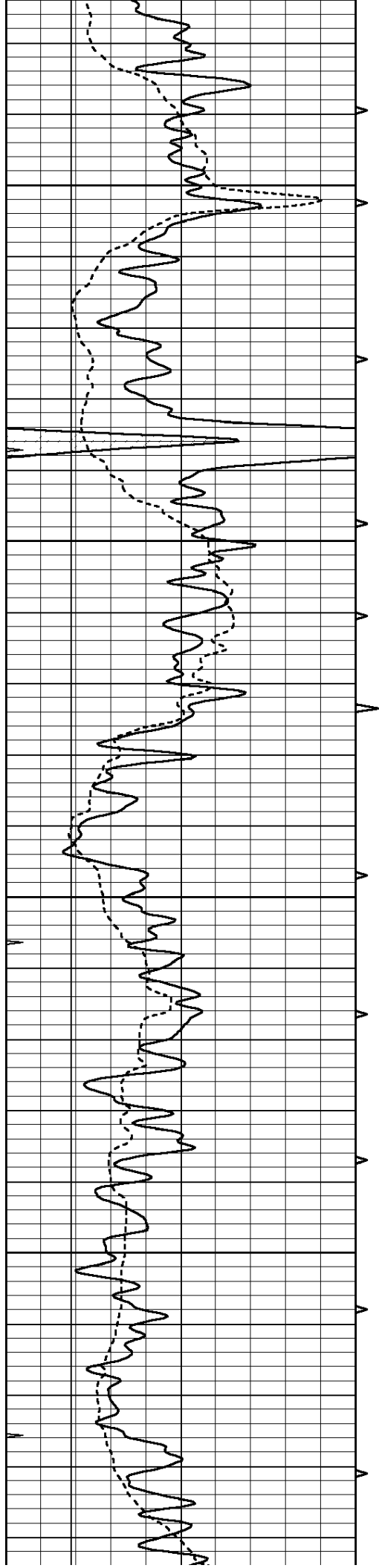
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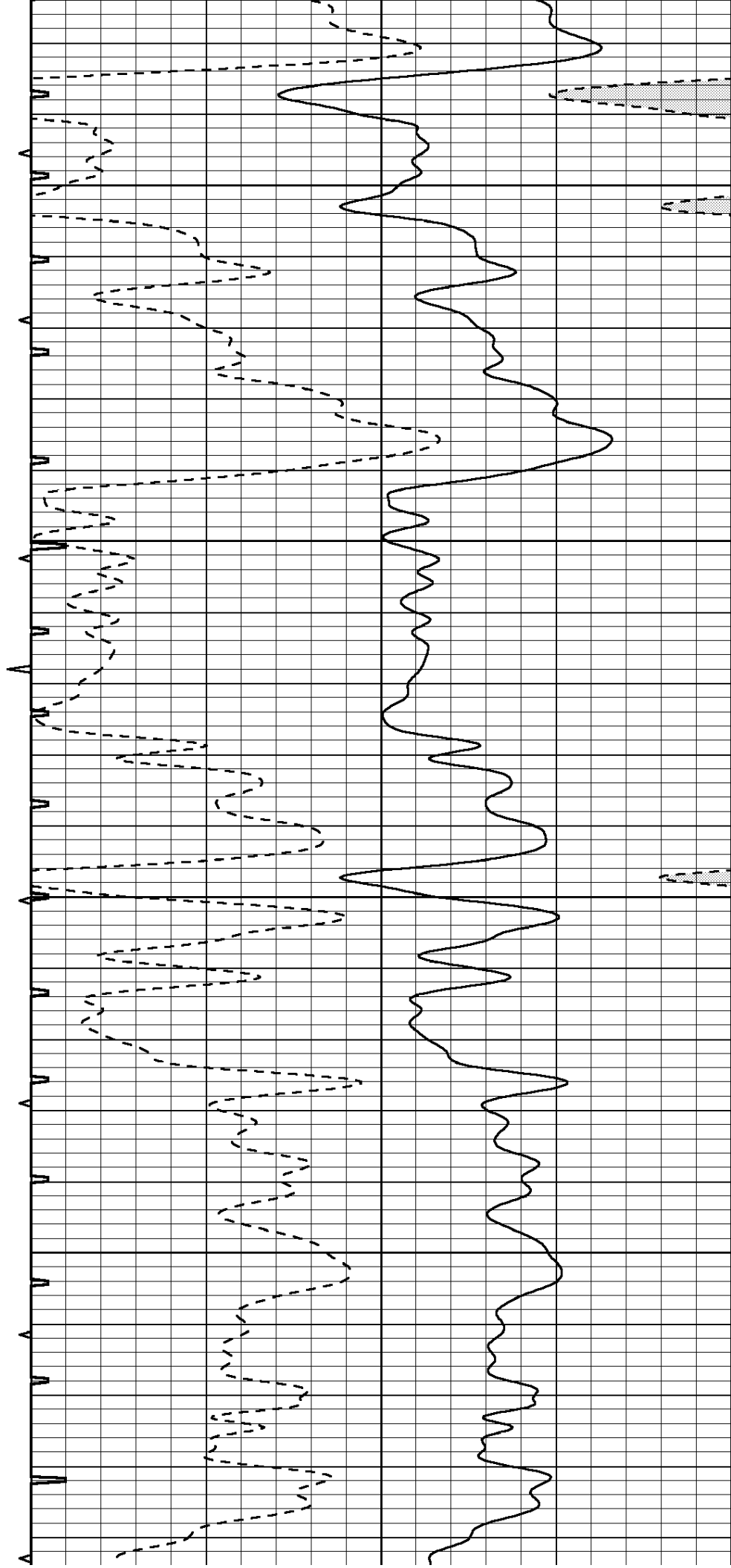


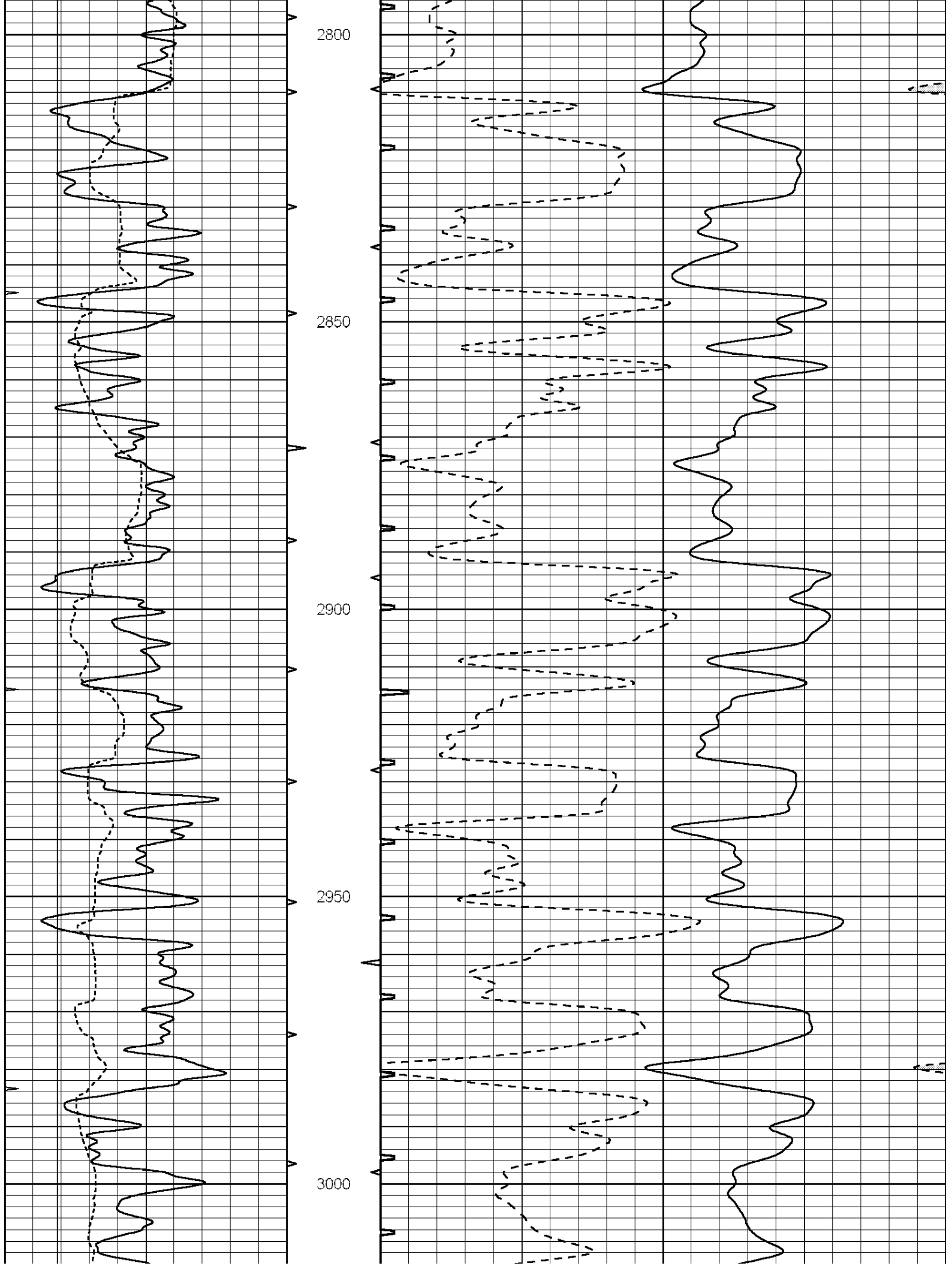
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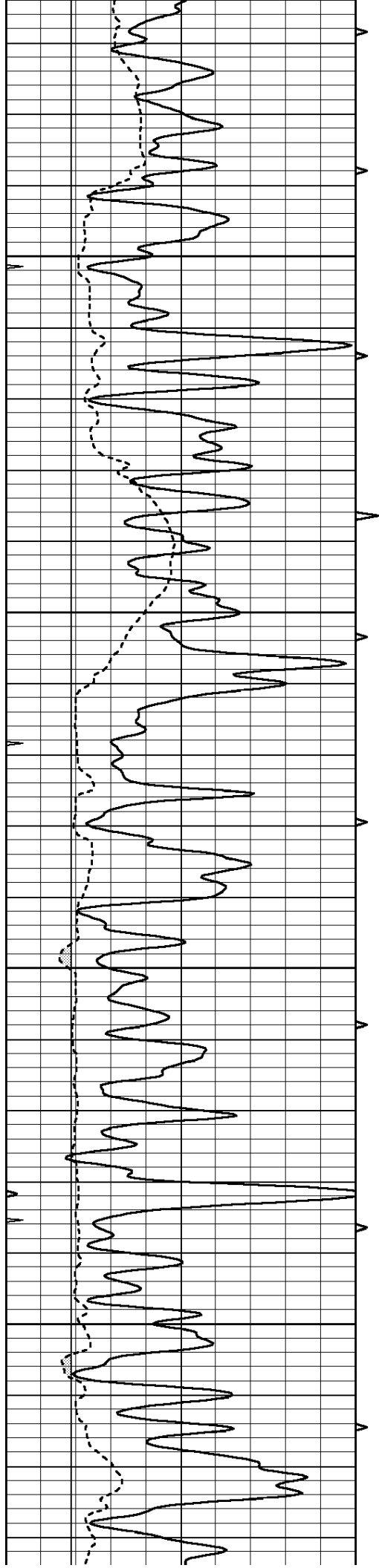
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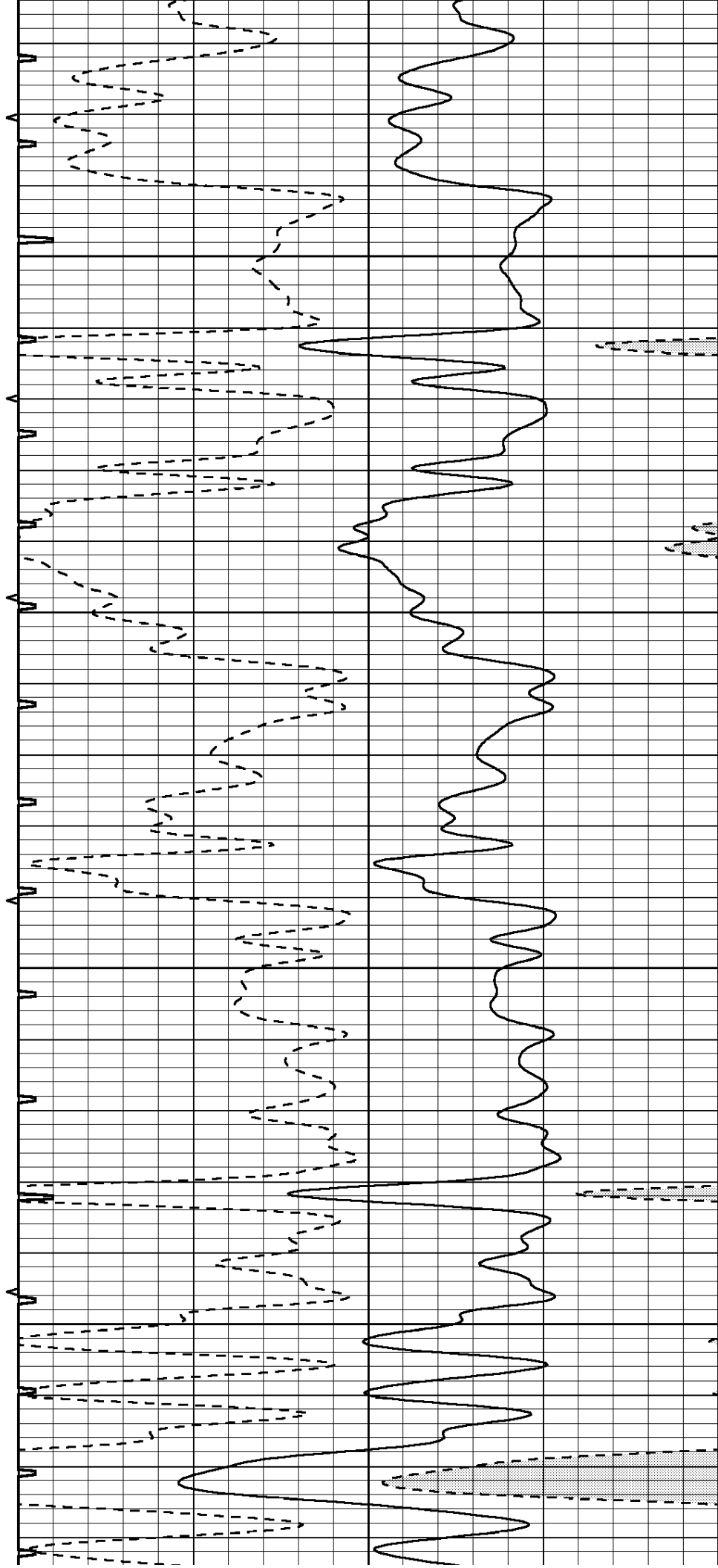


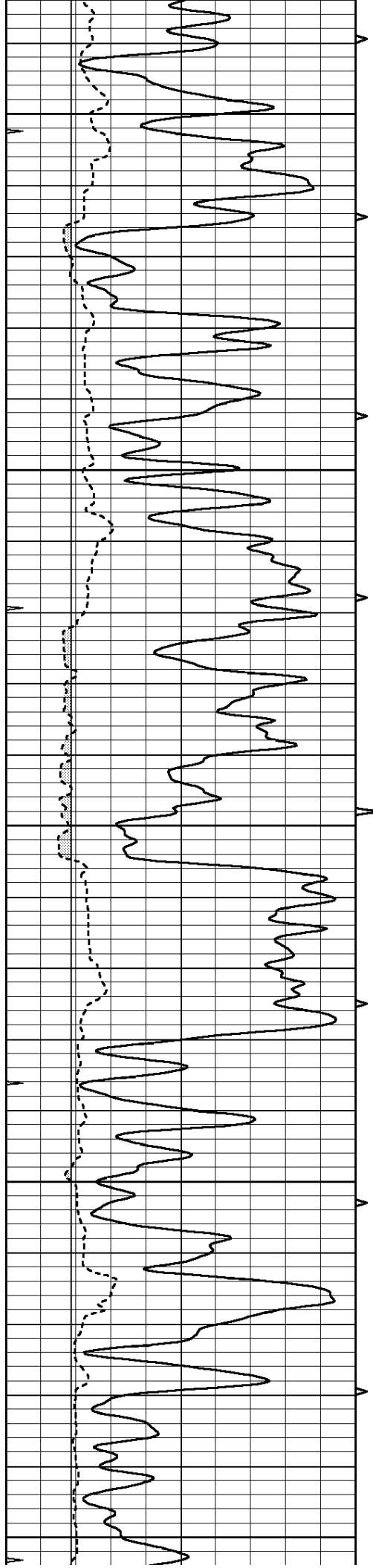
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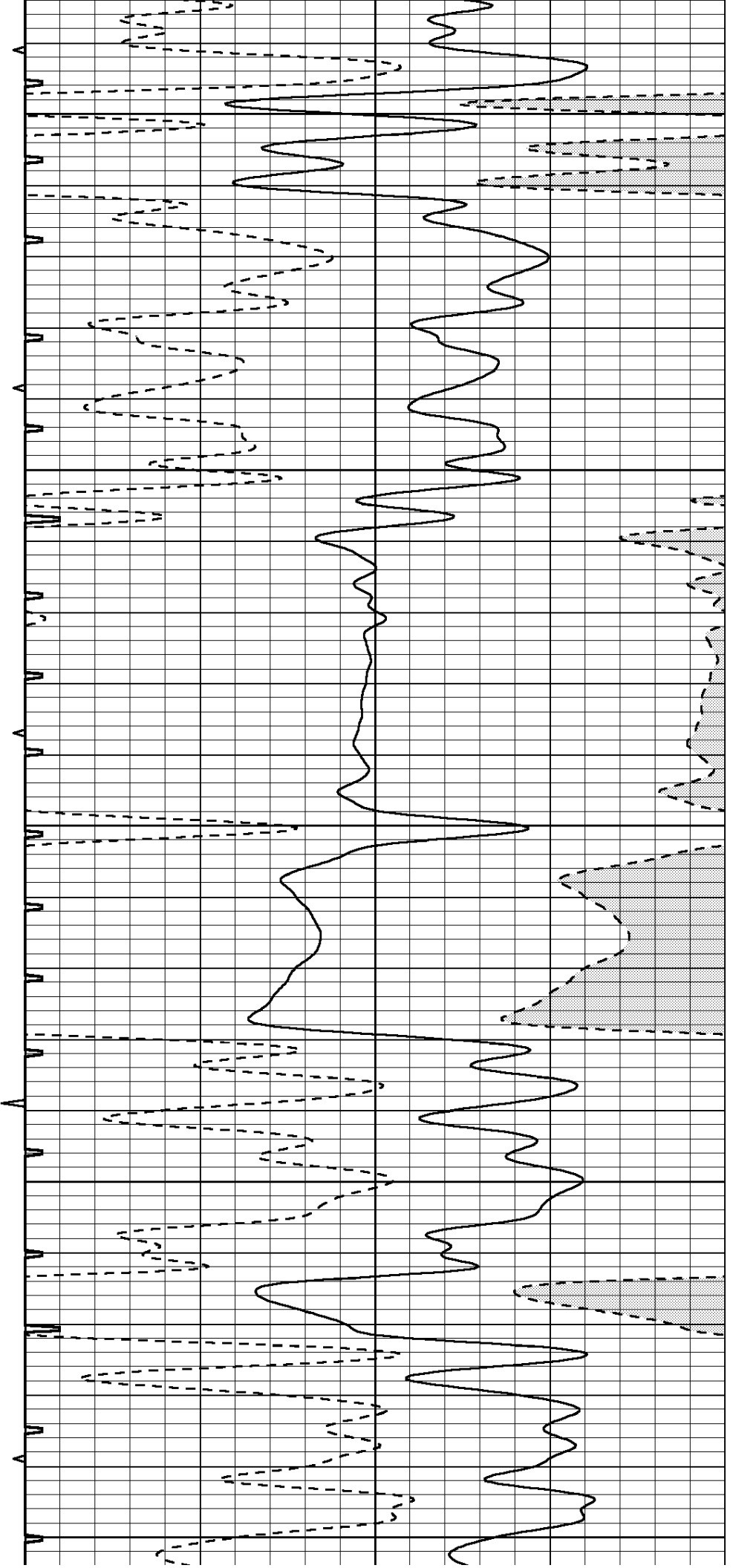
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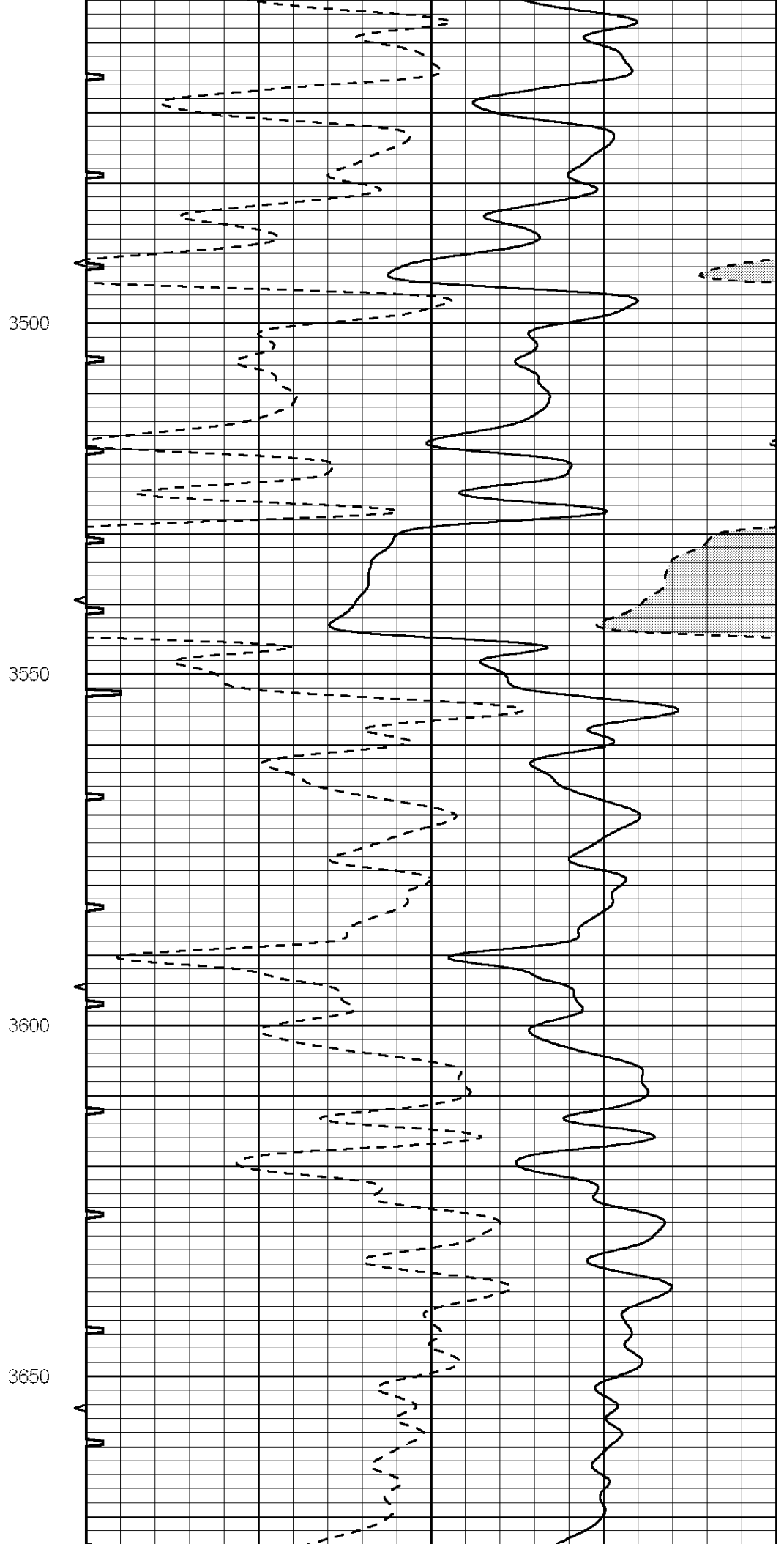
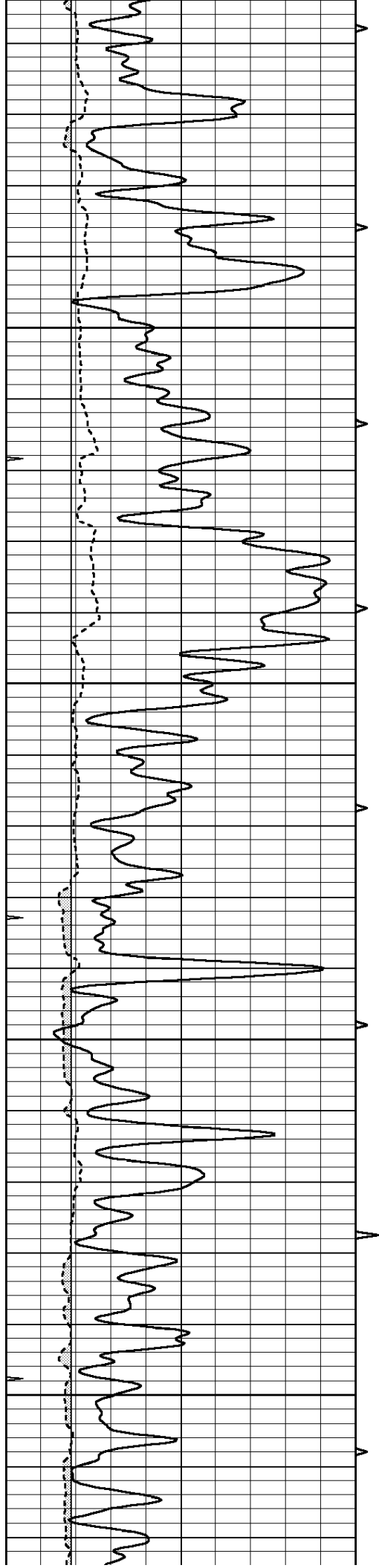
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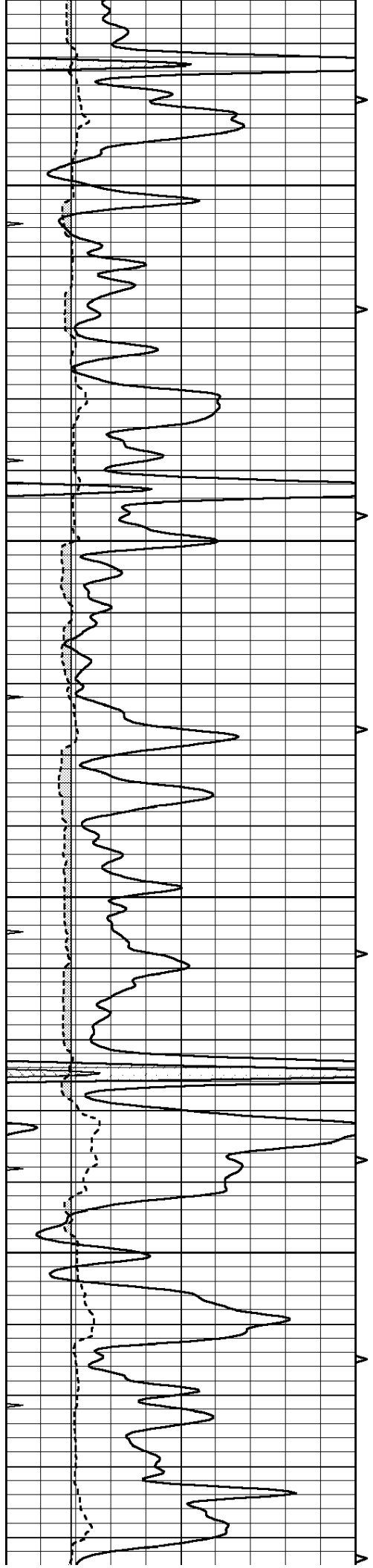
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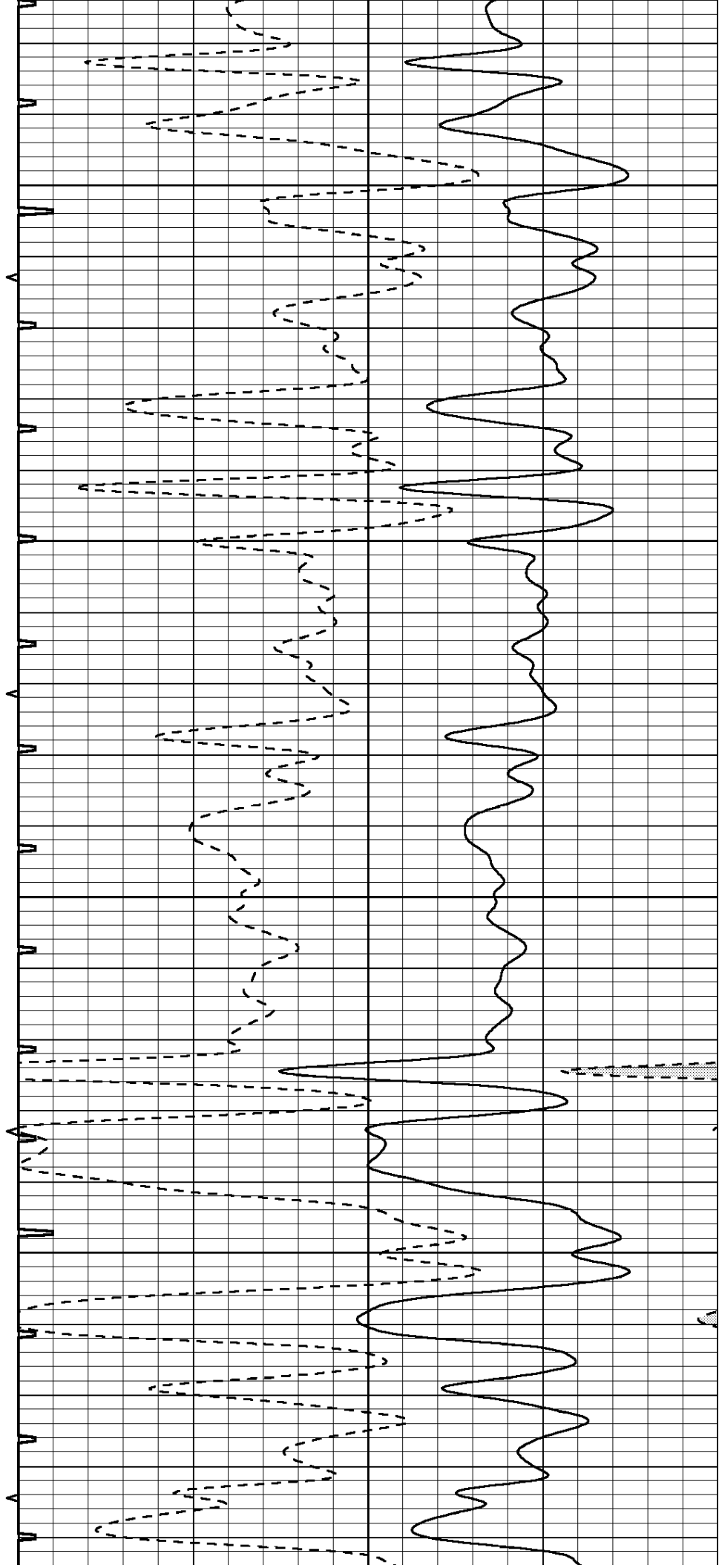


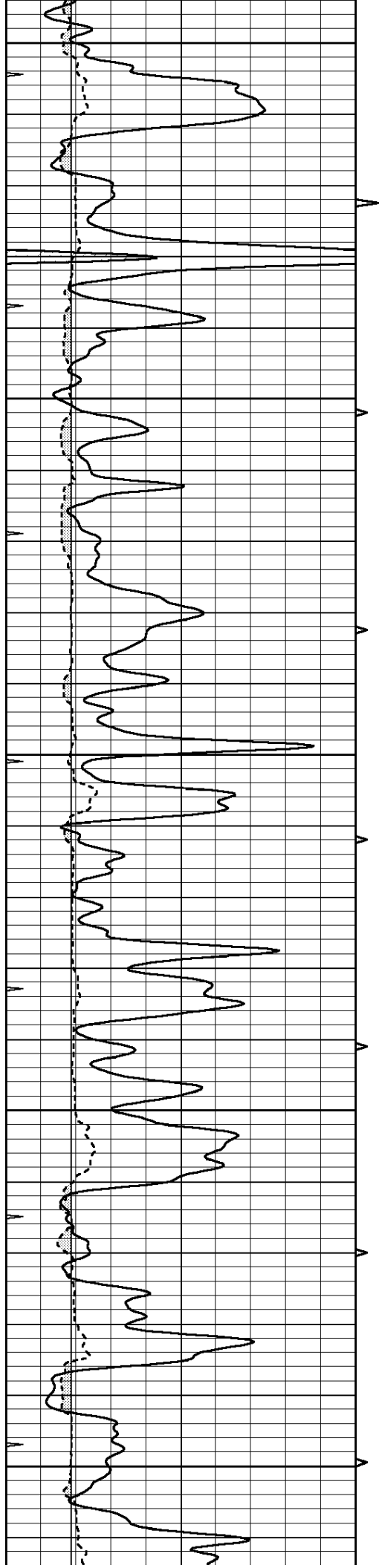
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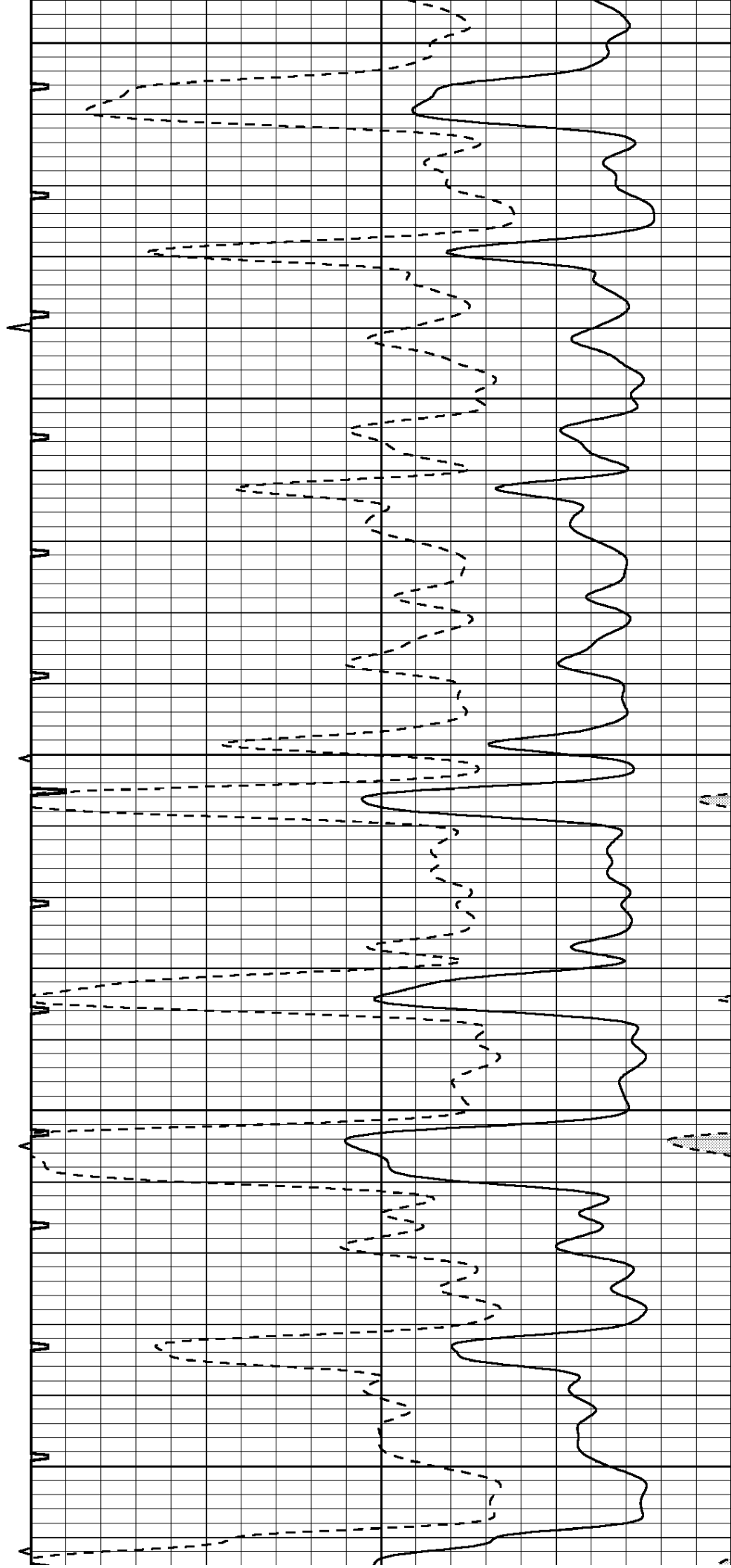
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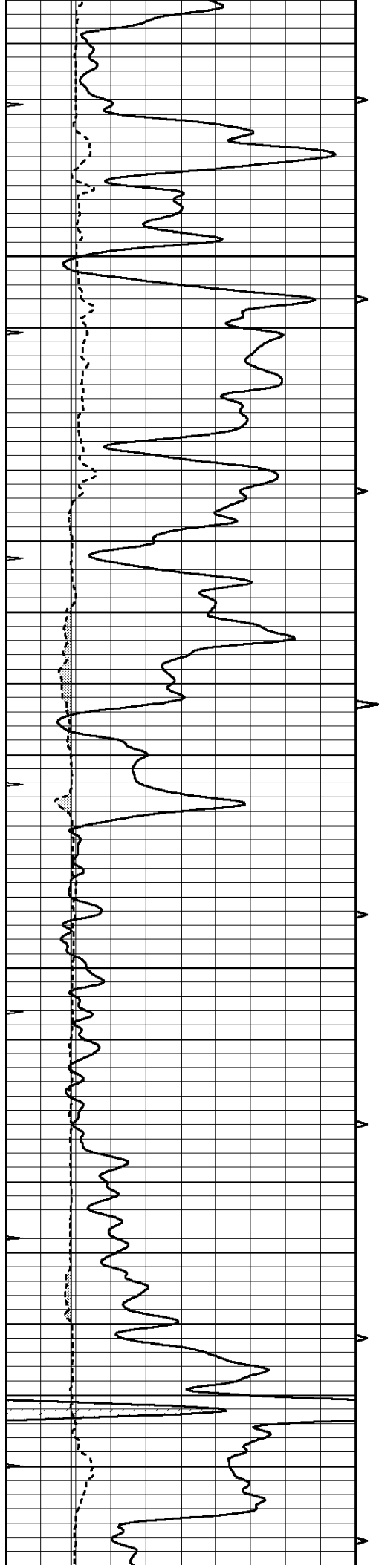
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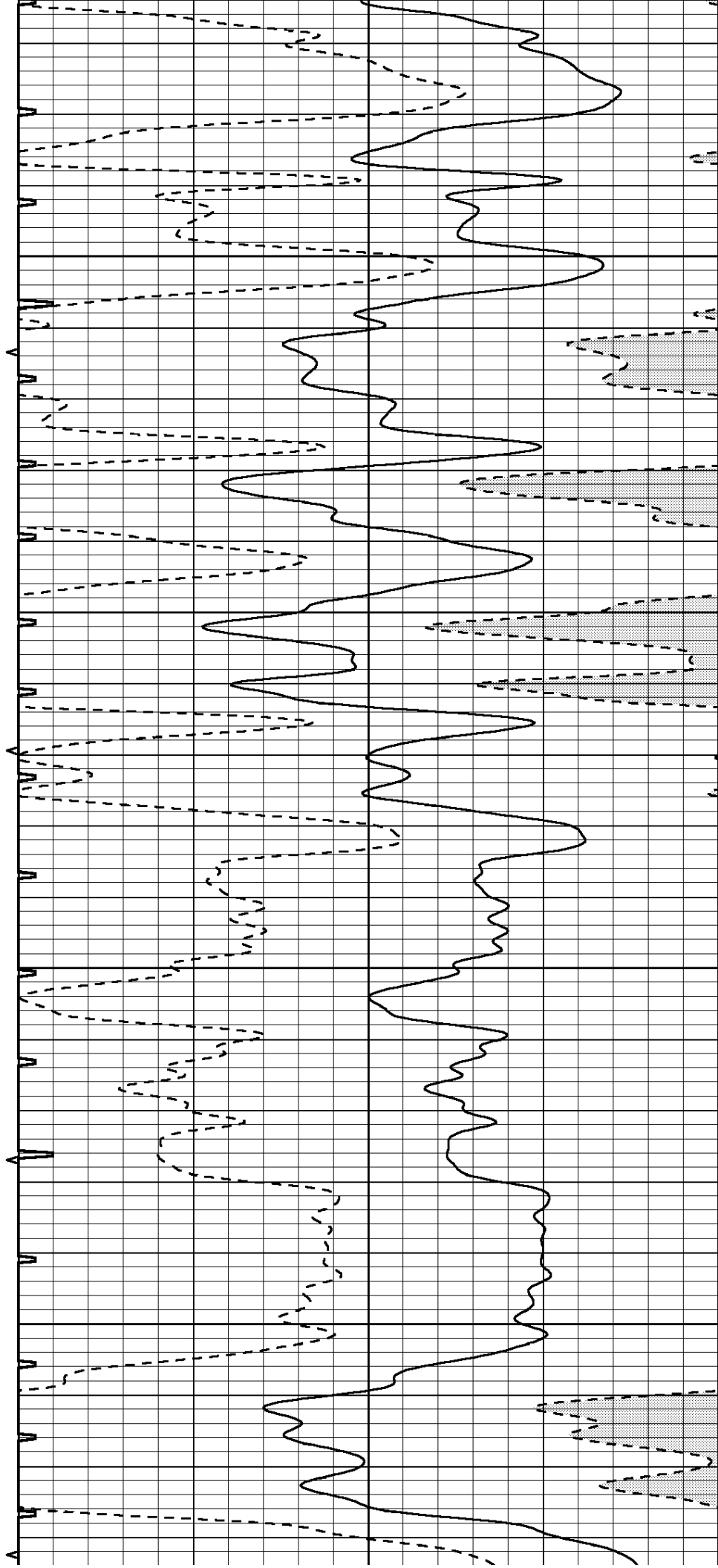


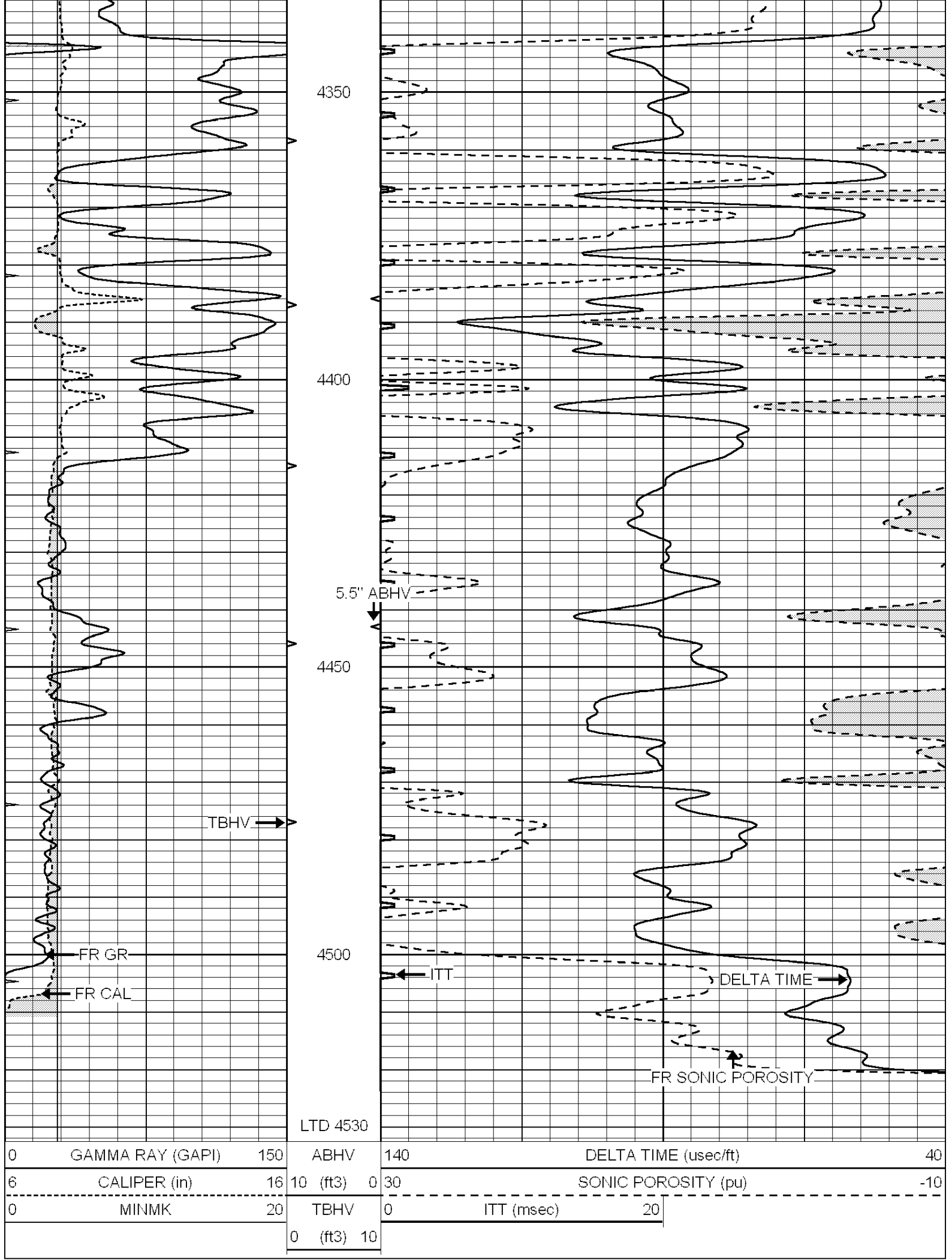
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4200

4250

4300







SUPERIOR

Hays,
Kansas

REPEAT SECTION

Database File: 006294pe.db
Dataset Pathname: pass7.6
Presentation Format: slt
Dataset Creation: Tue Feb 22 15:50:05 2011
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			

