



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

SONIC LOG

Company		MULL DRILLING COMPANY, INC.	
Well		#2-4 THORNBURG "B"	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Location:		API # : 15-135-25581-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 4 TWP 16S RGE 26W		Elevation	
660' FNL & 2294' FWL		K.B. 2609	
		D.F. 2607	
		G.L. 2604	
CDL/CNL/PE		DIL/MEL	
Other Services			
Company		MULL DRILLING COMPANY, INC.	
Well		#2-4 THORNBURG "B"	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Date	5/11/13		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4588		
Top Log Interval	200		
Casing Driller	8 5/8"@220'		
Casing Logger	217		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,500 PPM	
Density / Viscosity	9.3/44		
pH / Fluid Loss	10.5/6.8		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.900@82F		
Rinf @ Meas. Temp	.675@82F		
Rinc @ Meas. Temp	1.08@82F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.610@121F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	6:30 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

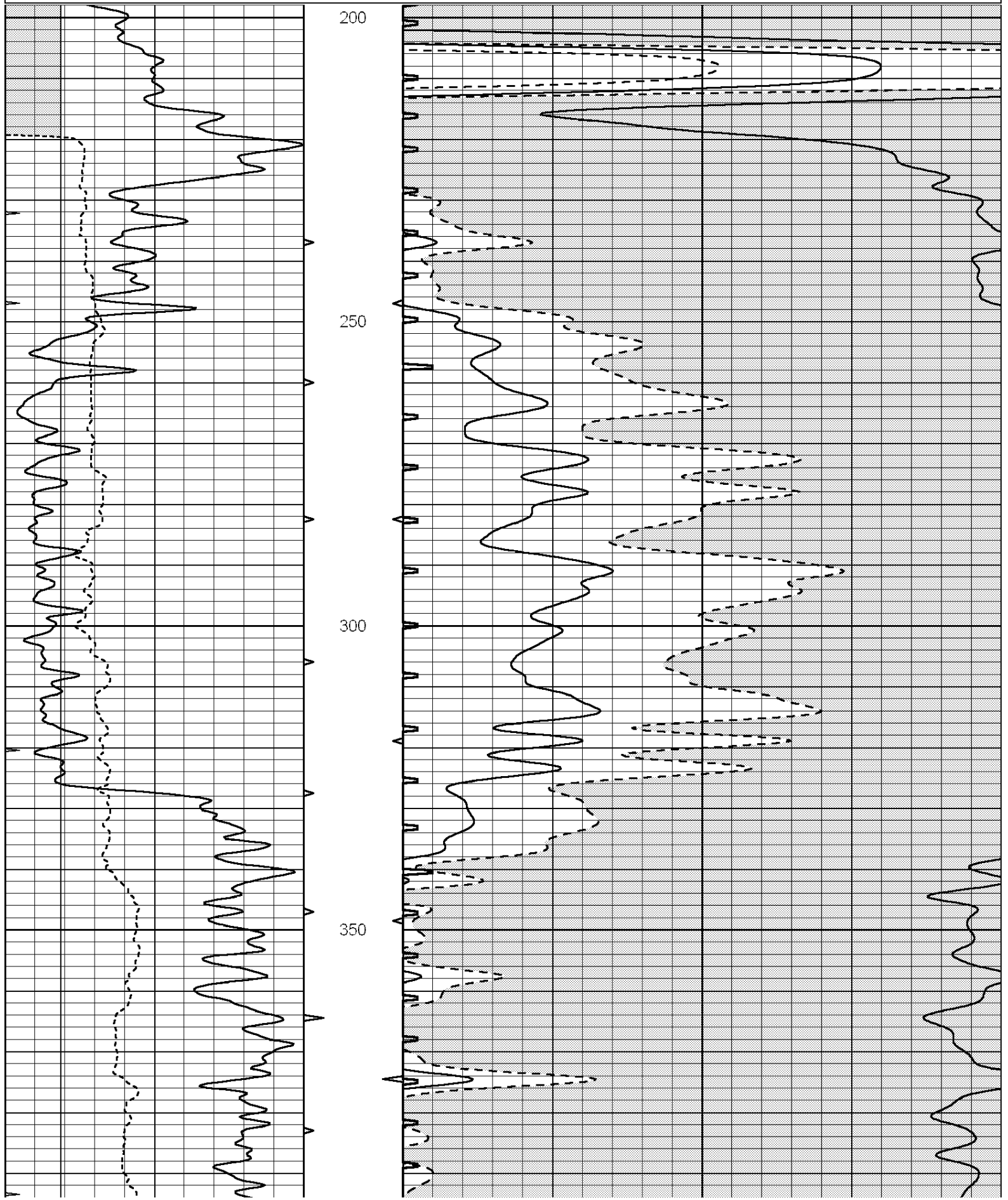
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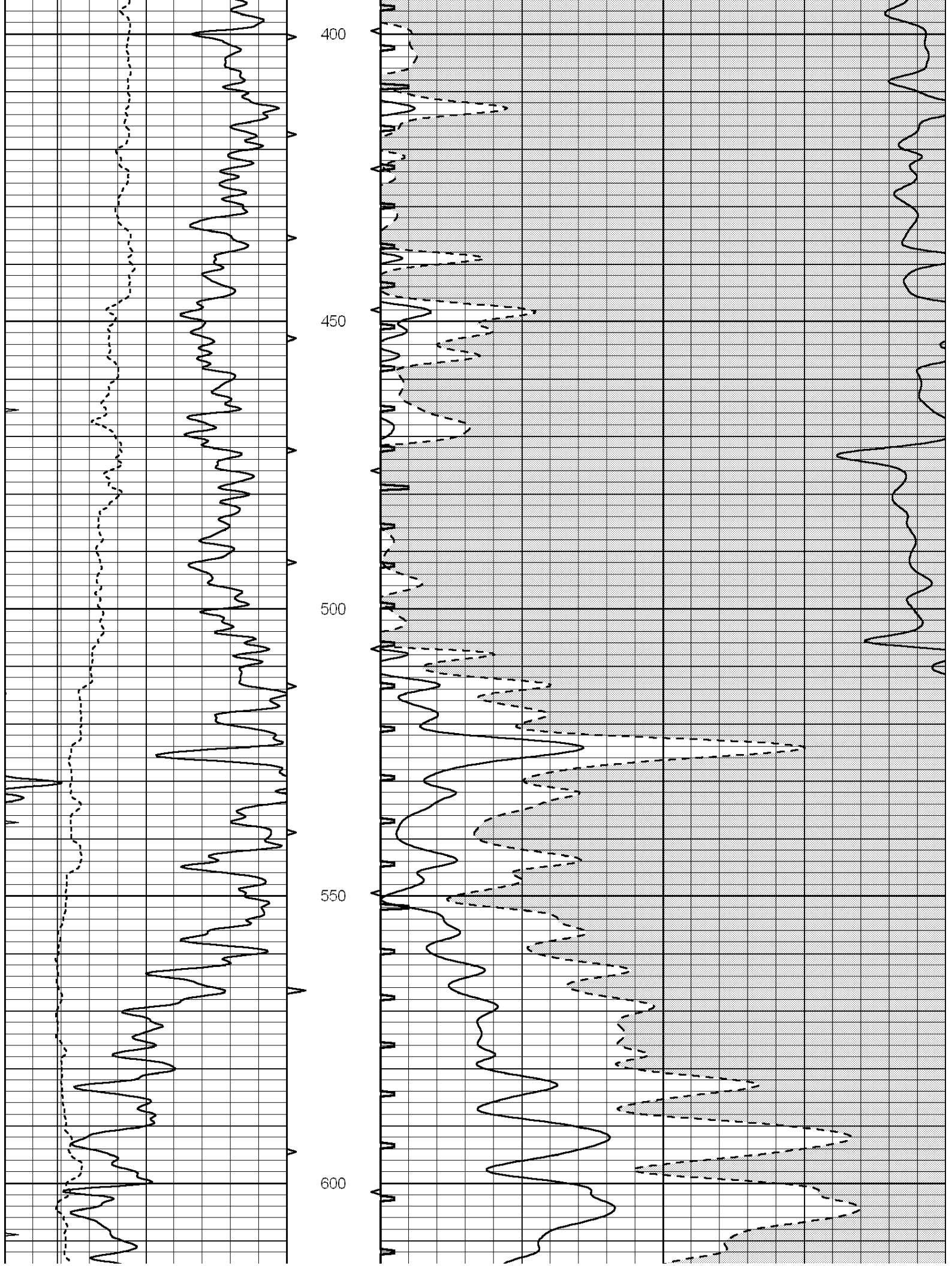
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

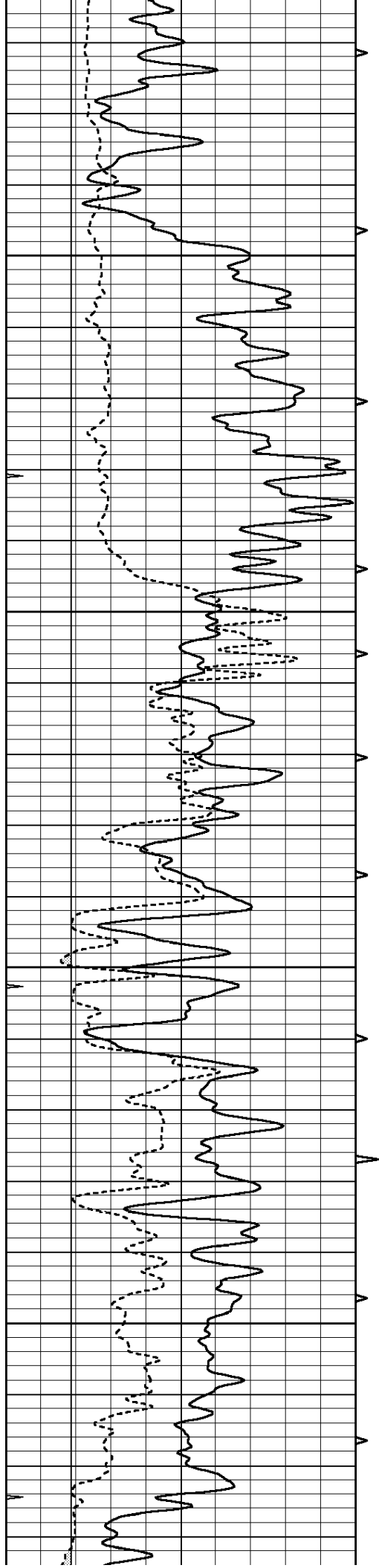
Comments

THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
UTICA, KS. 2W. ON HWY 4 TO "RD. B", 4N. TO "T", 1/2E., S. INTO

Charted by: _____		Depth in feet scaled 1:2.15				
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			





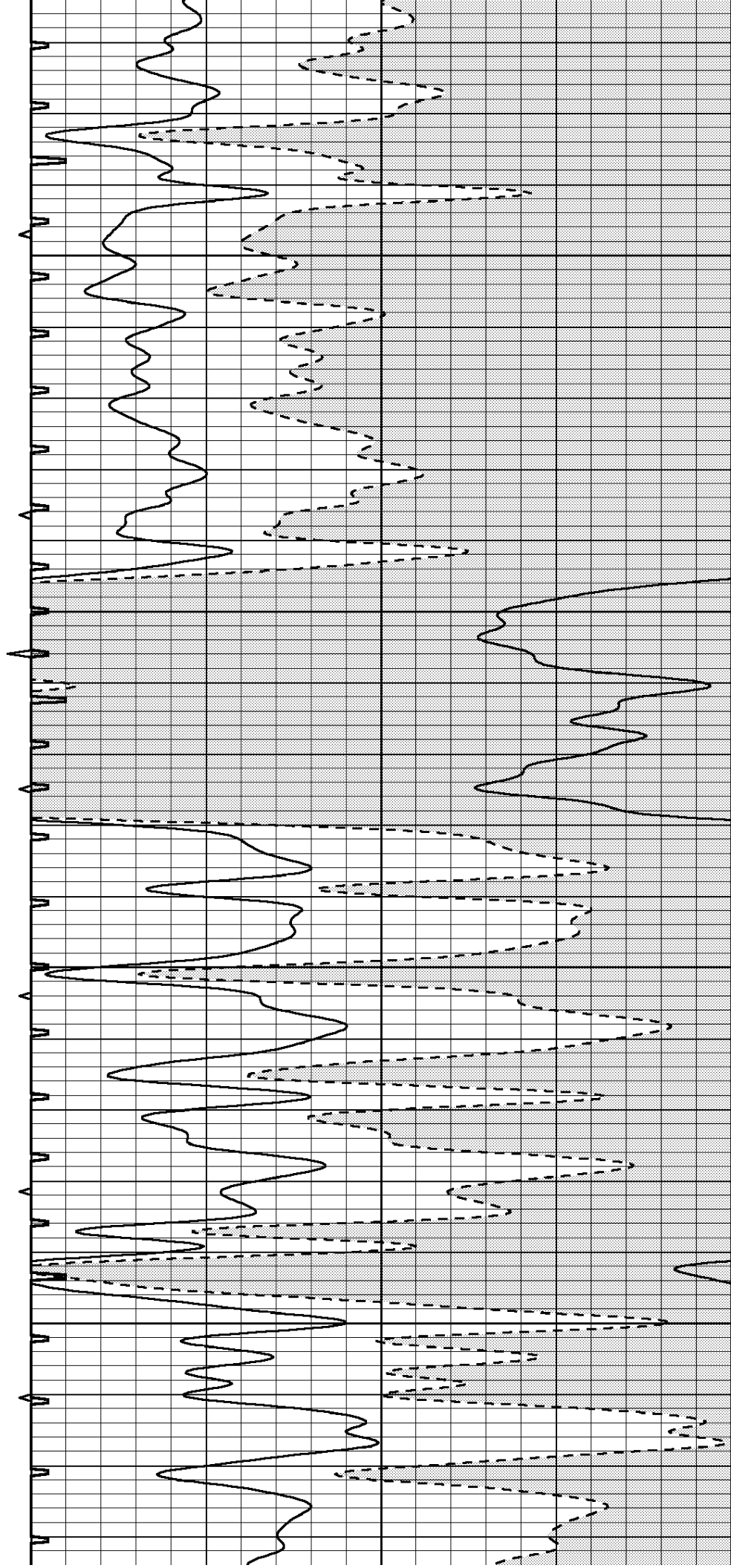


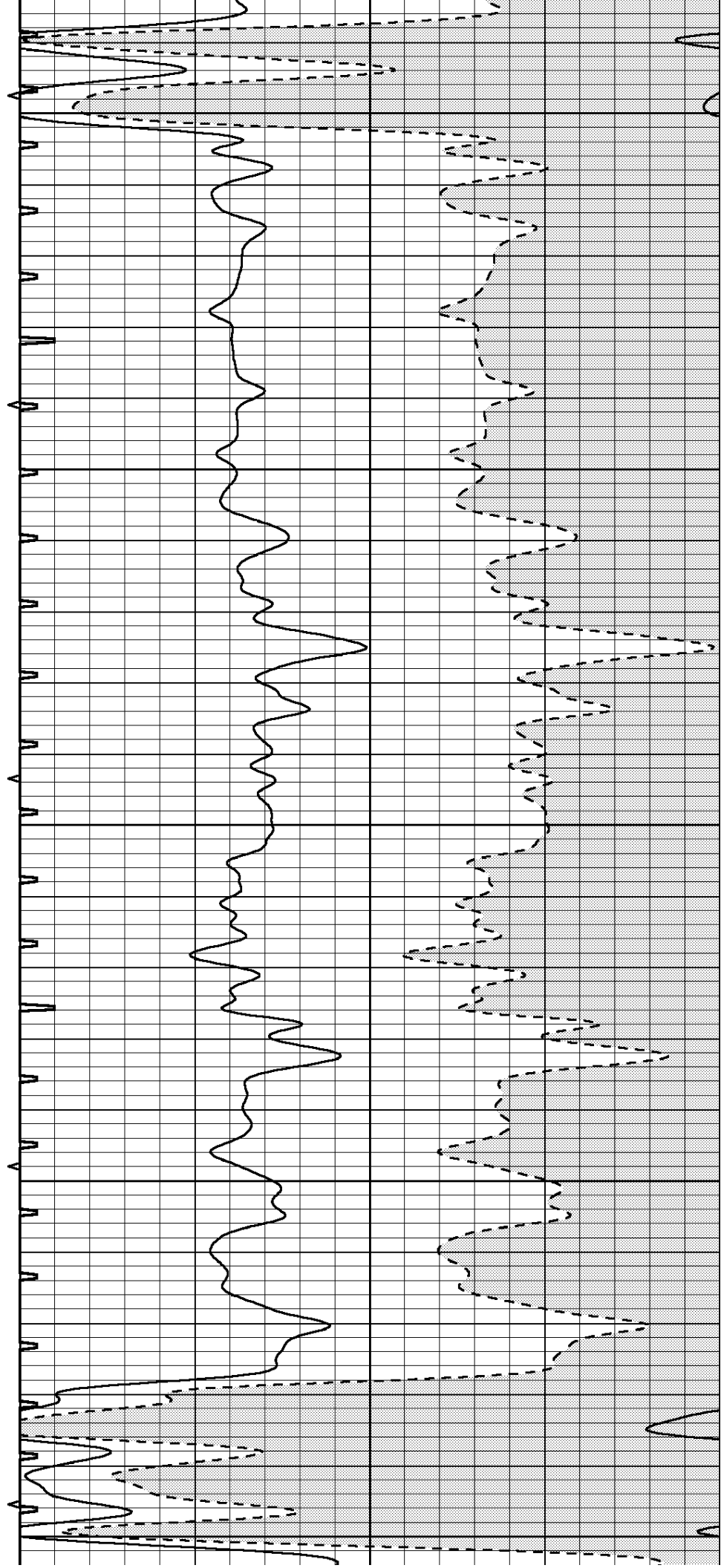
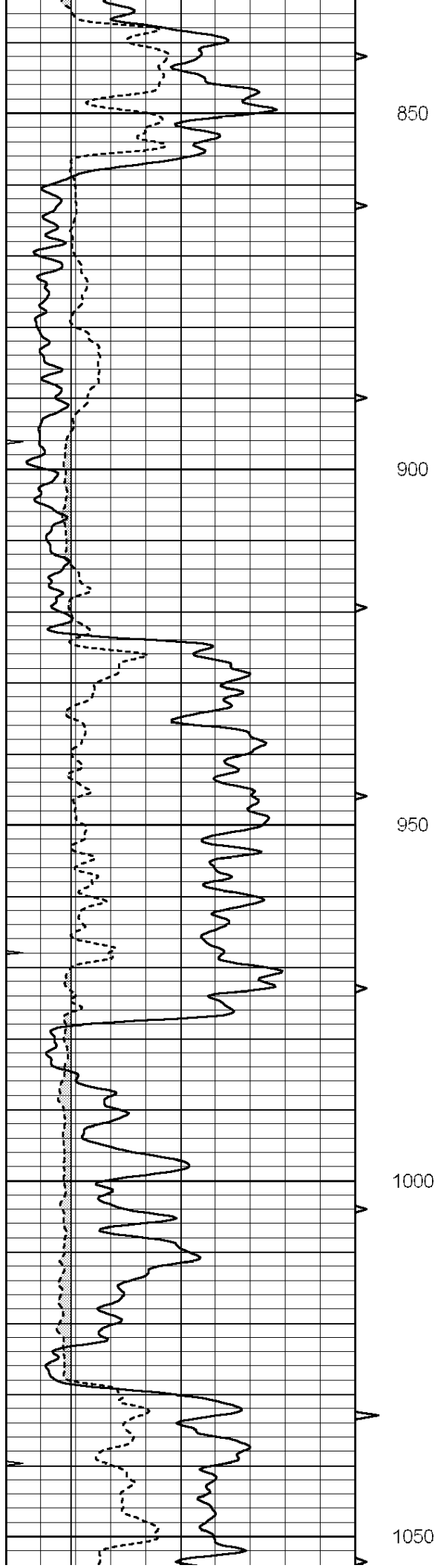
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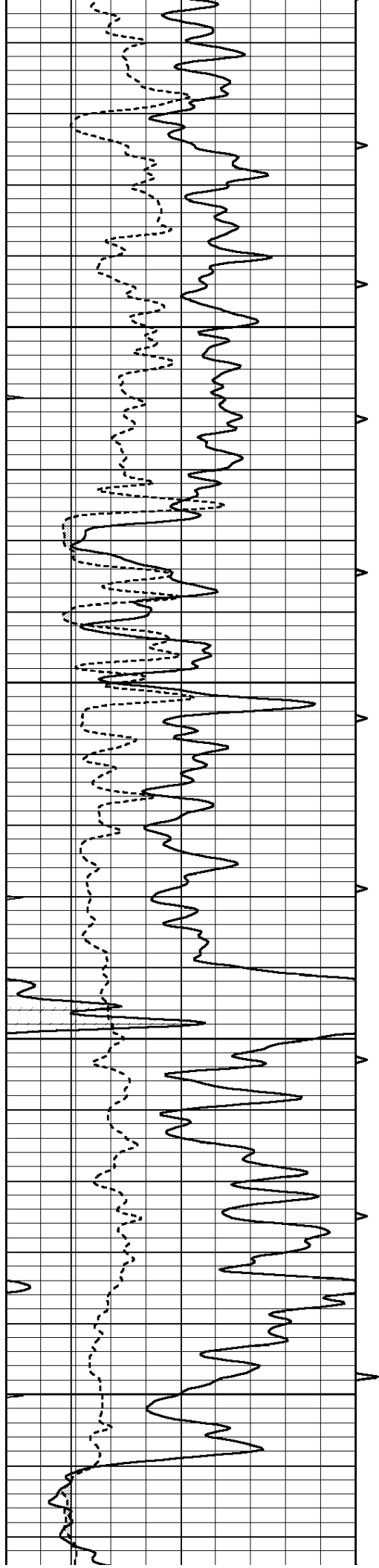
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750

800





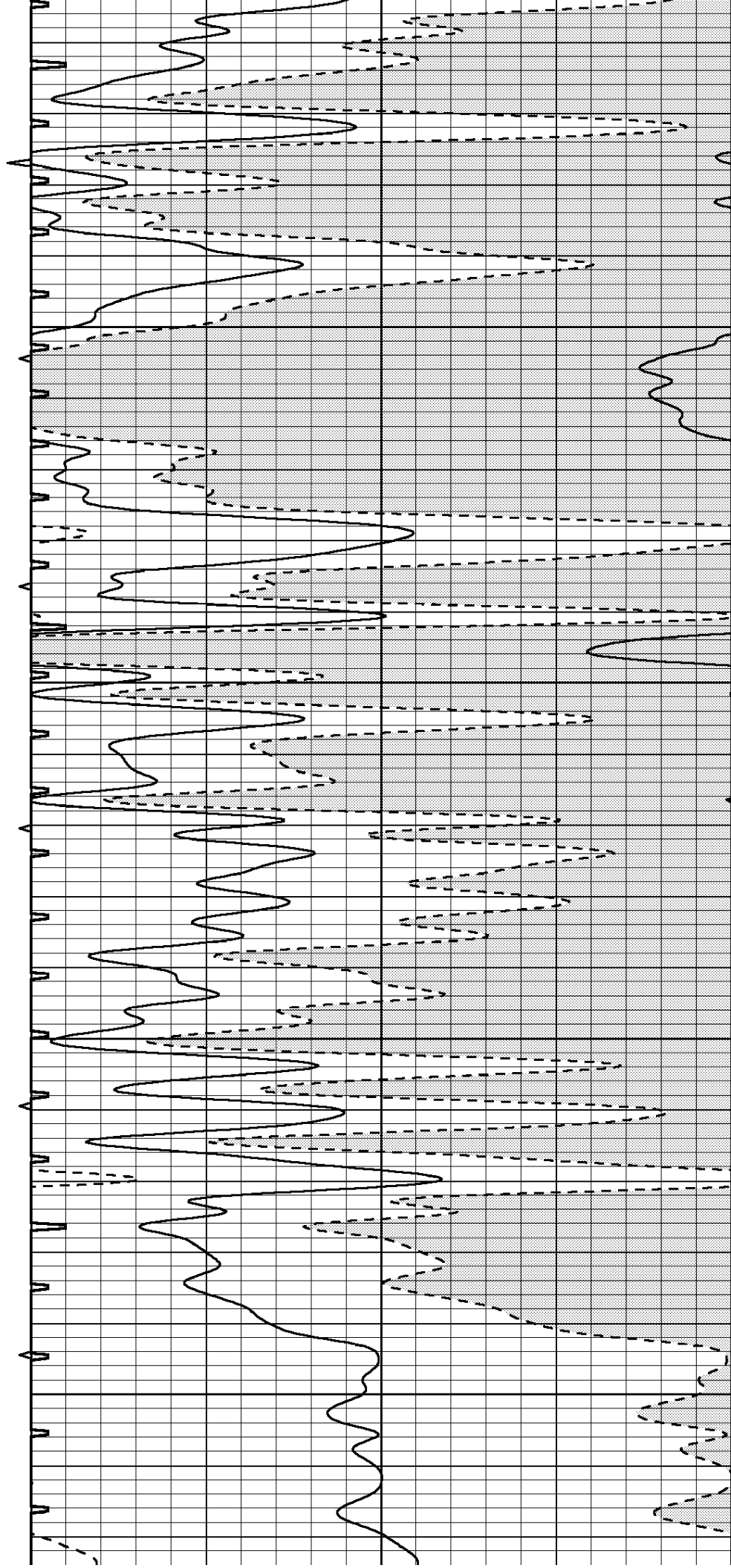


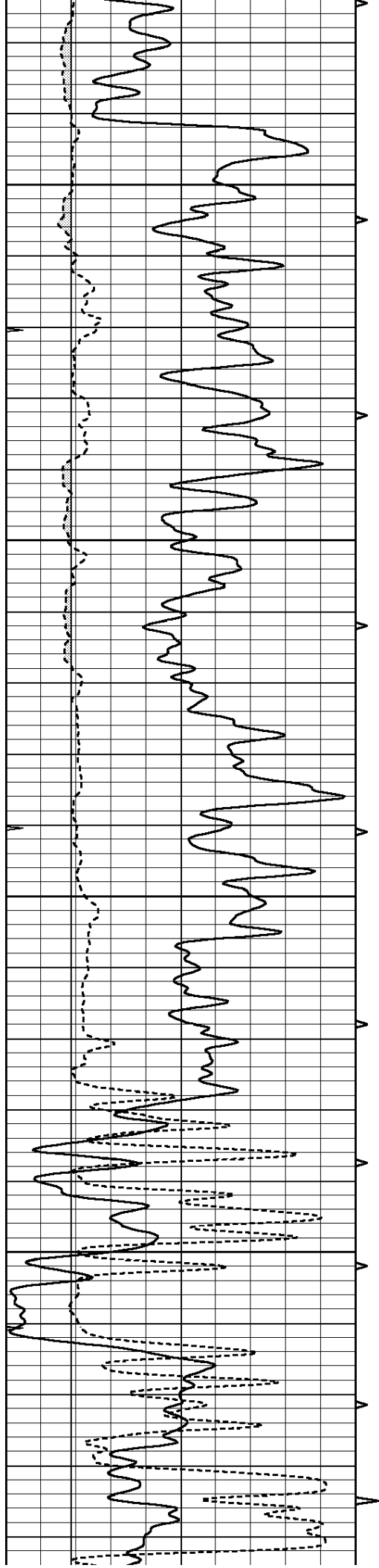
1100

1150

1200

1250



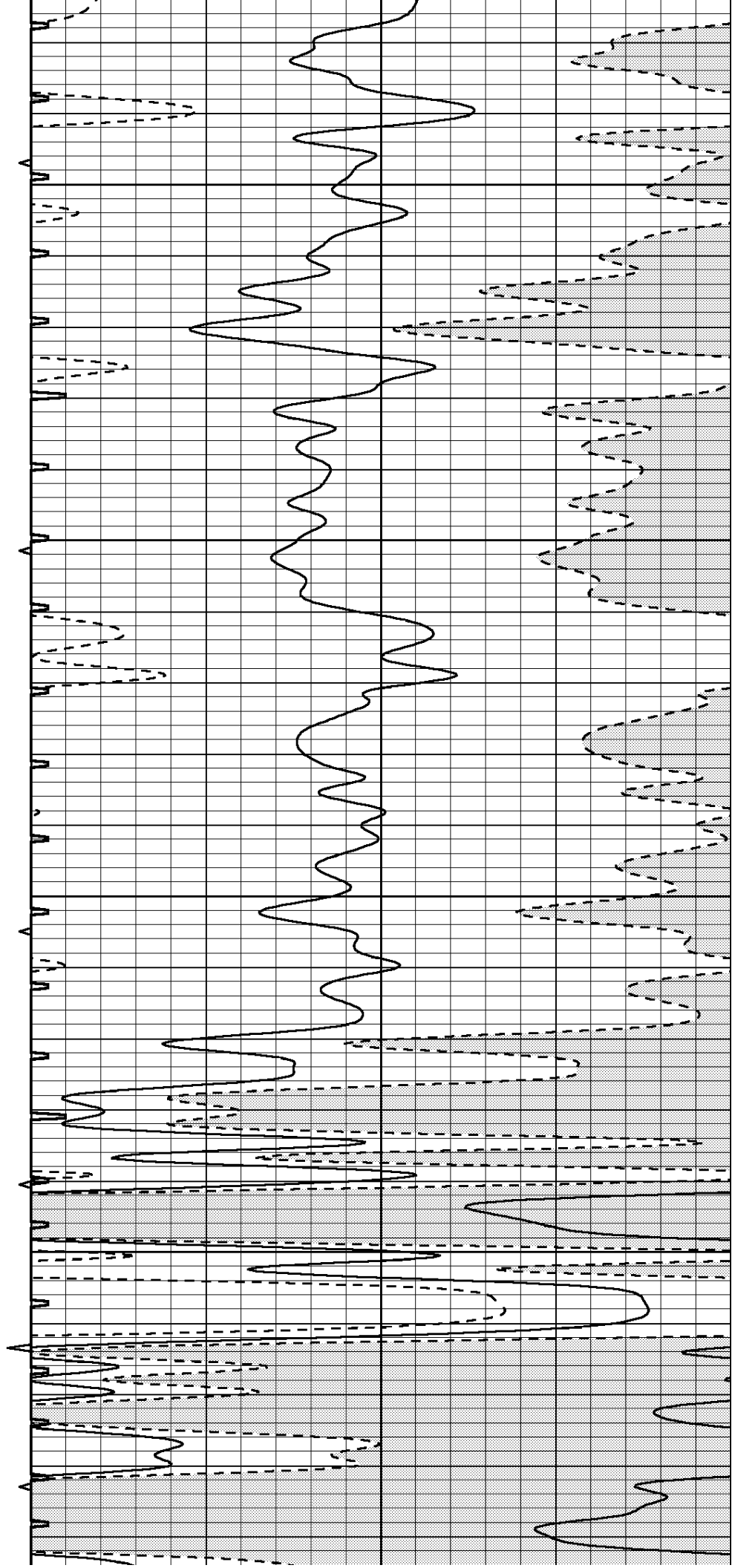


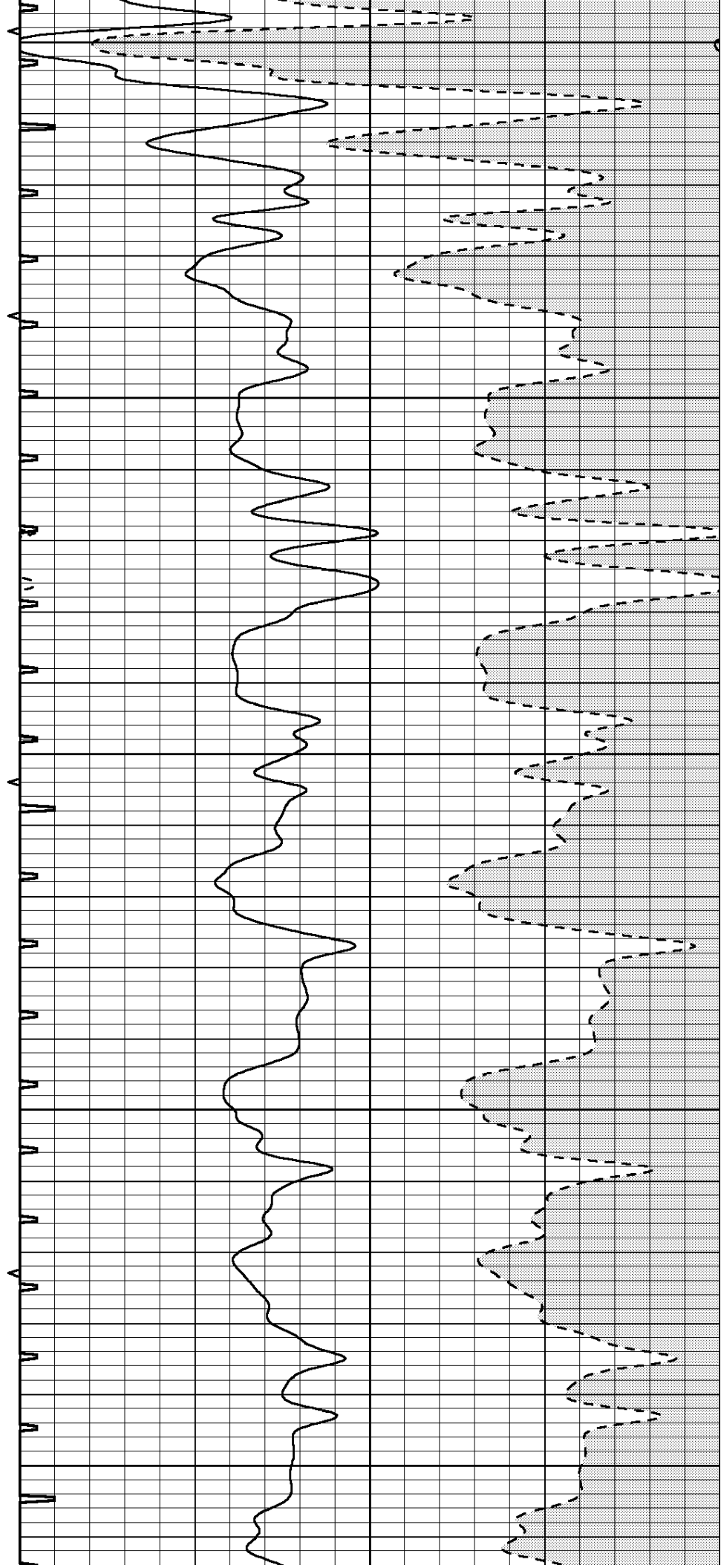
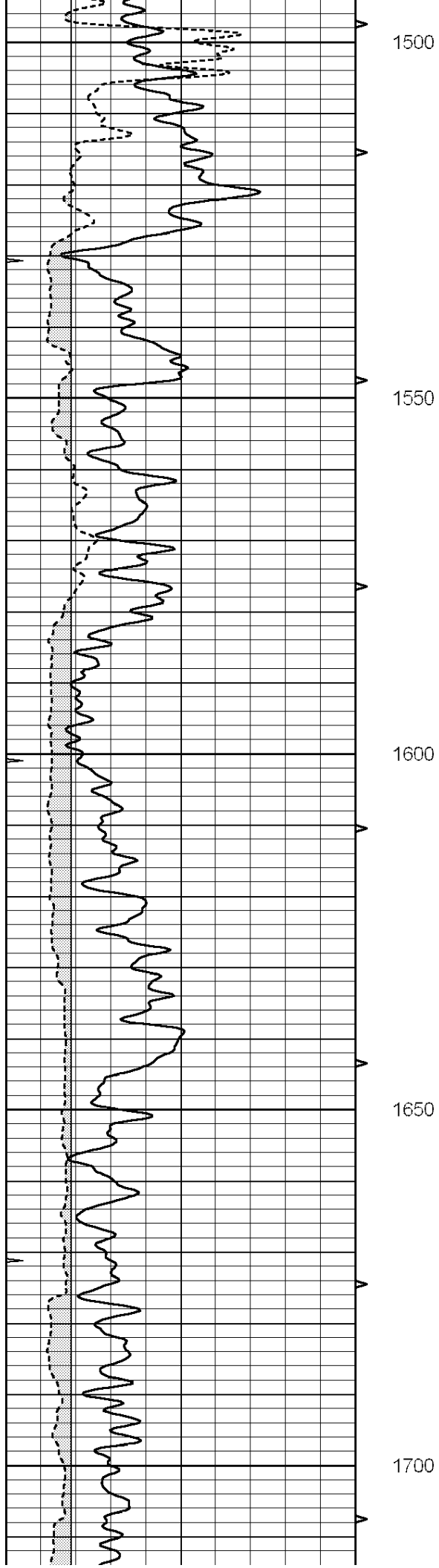
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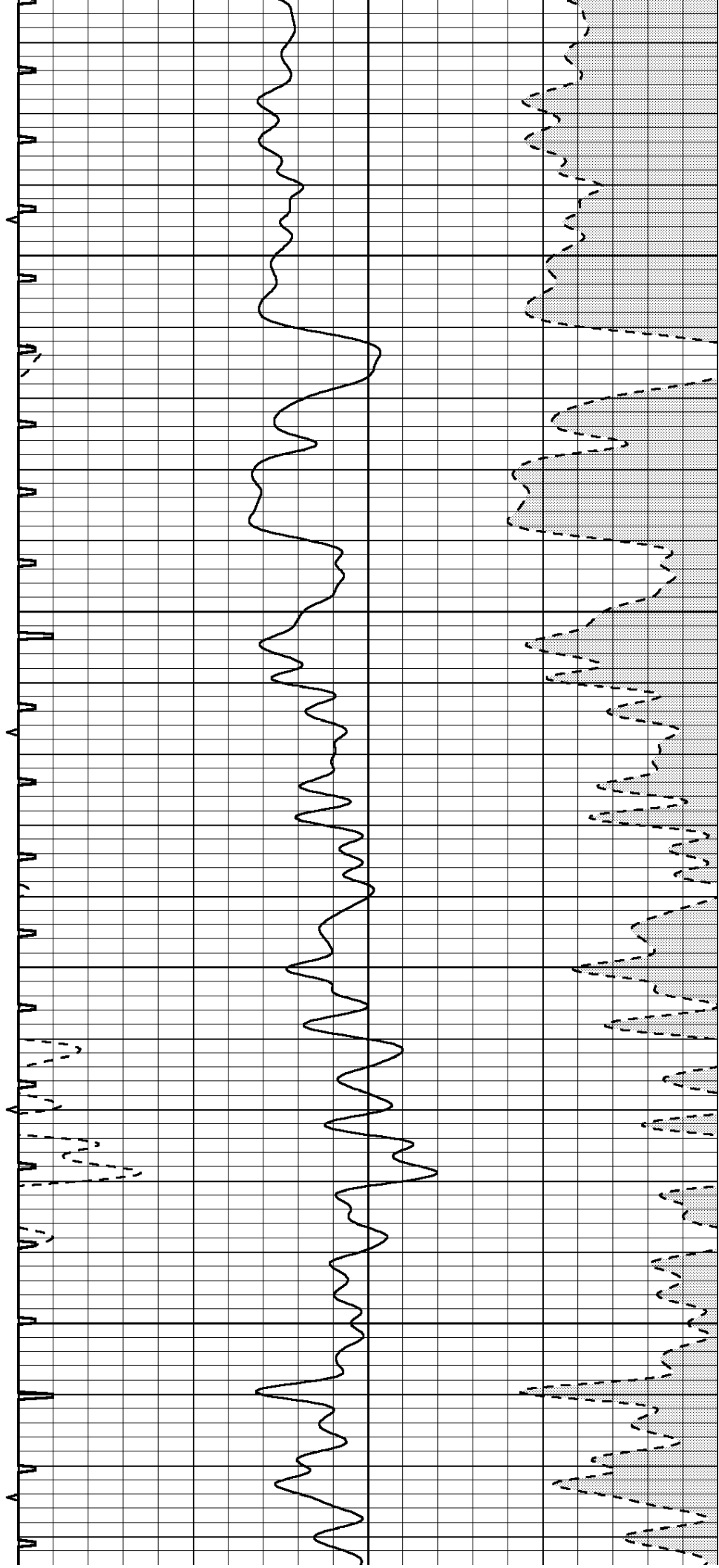
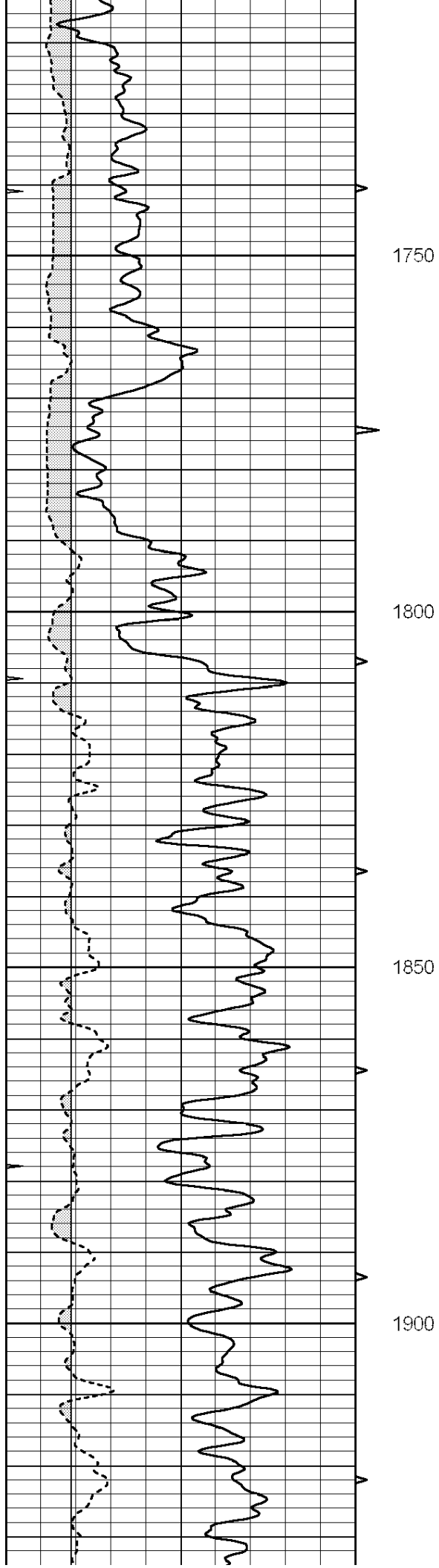
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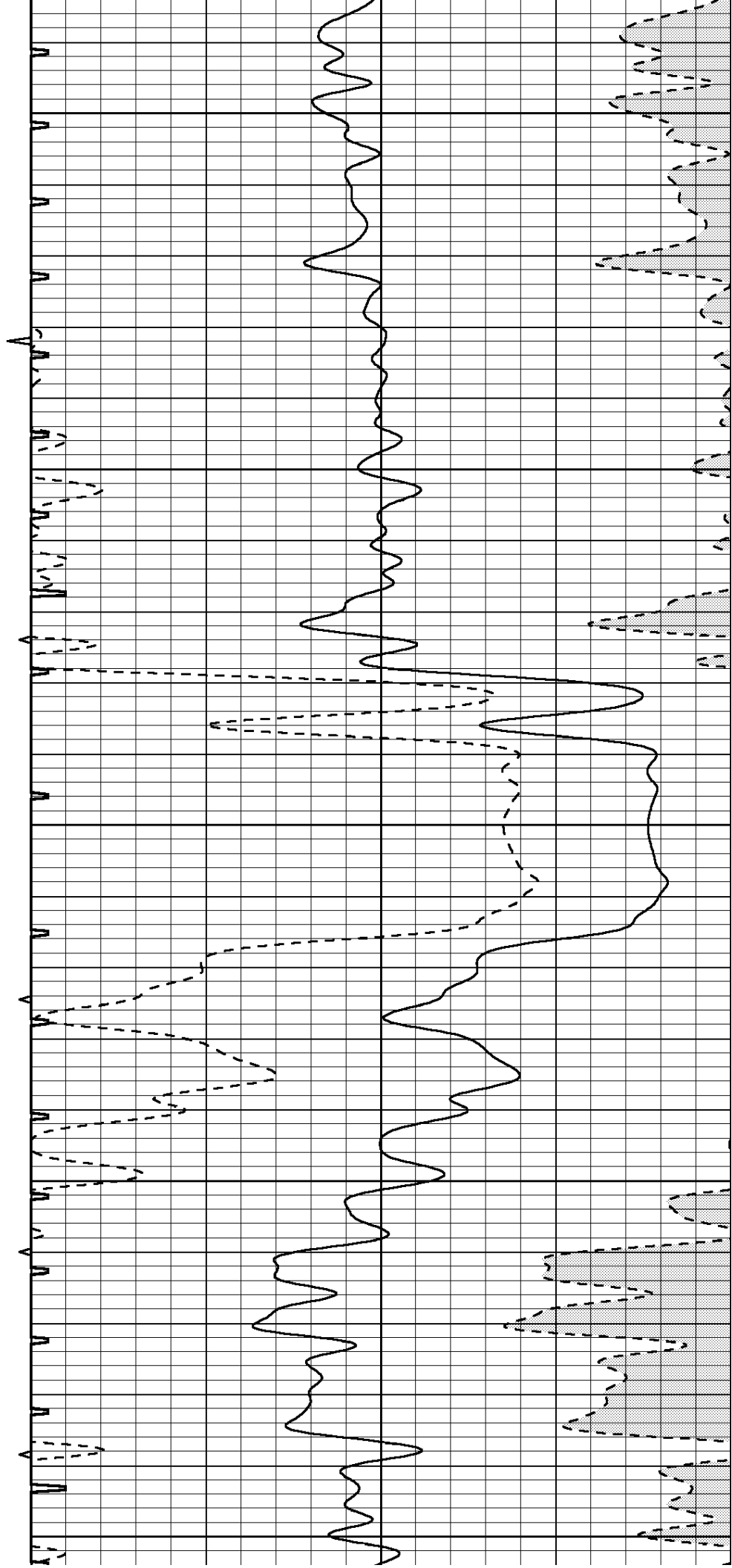
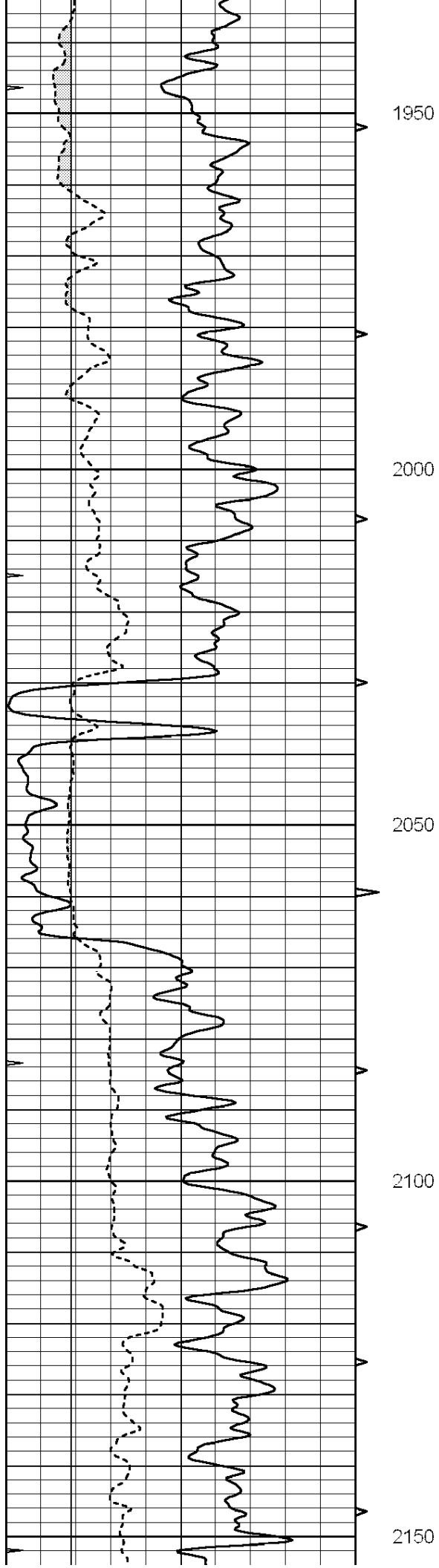
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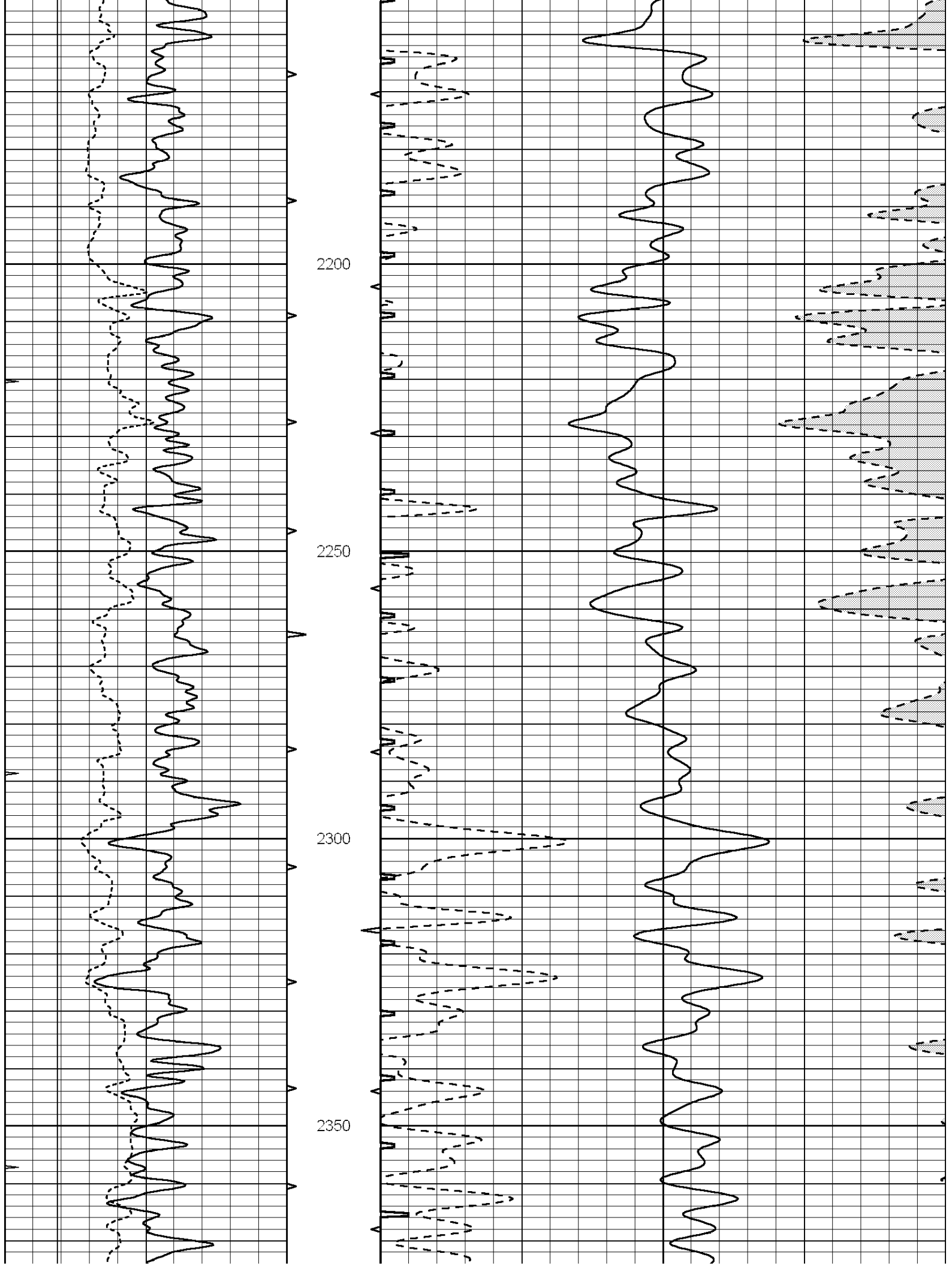
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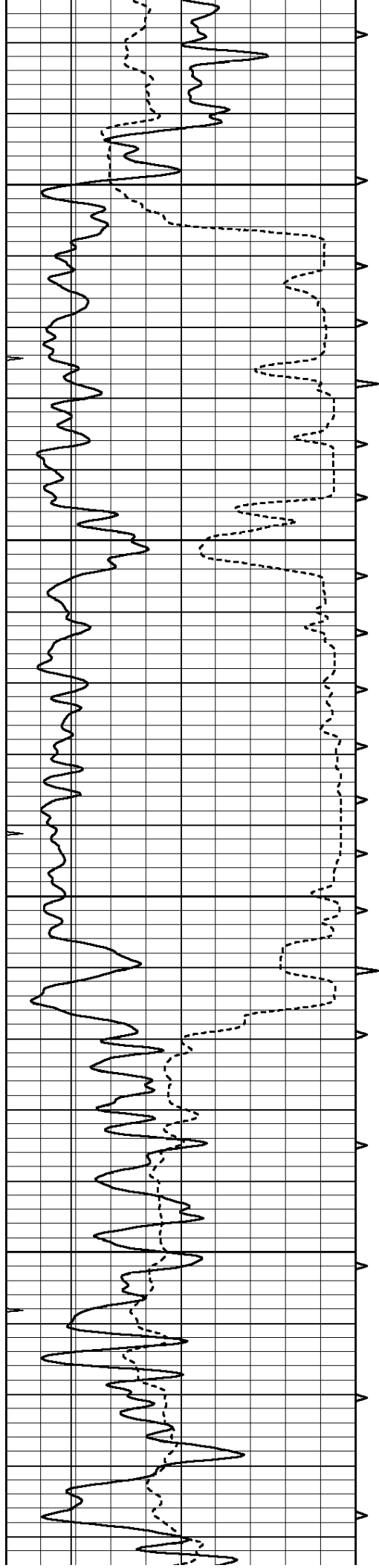










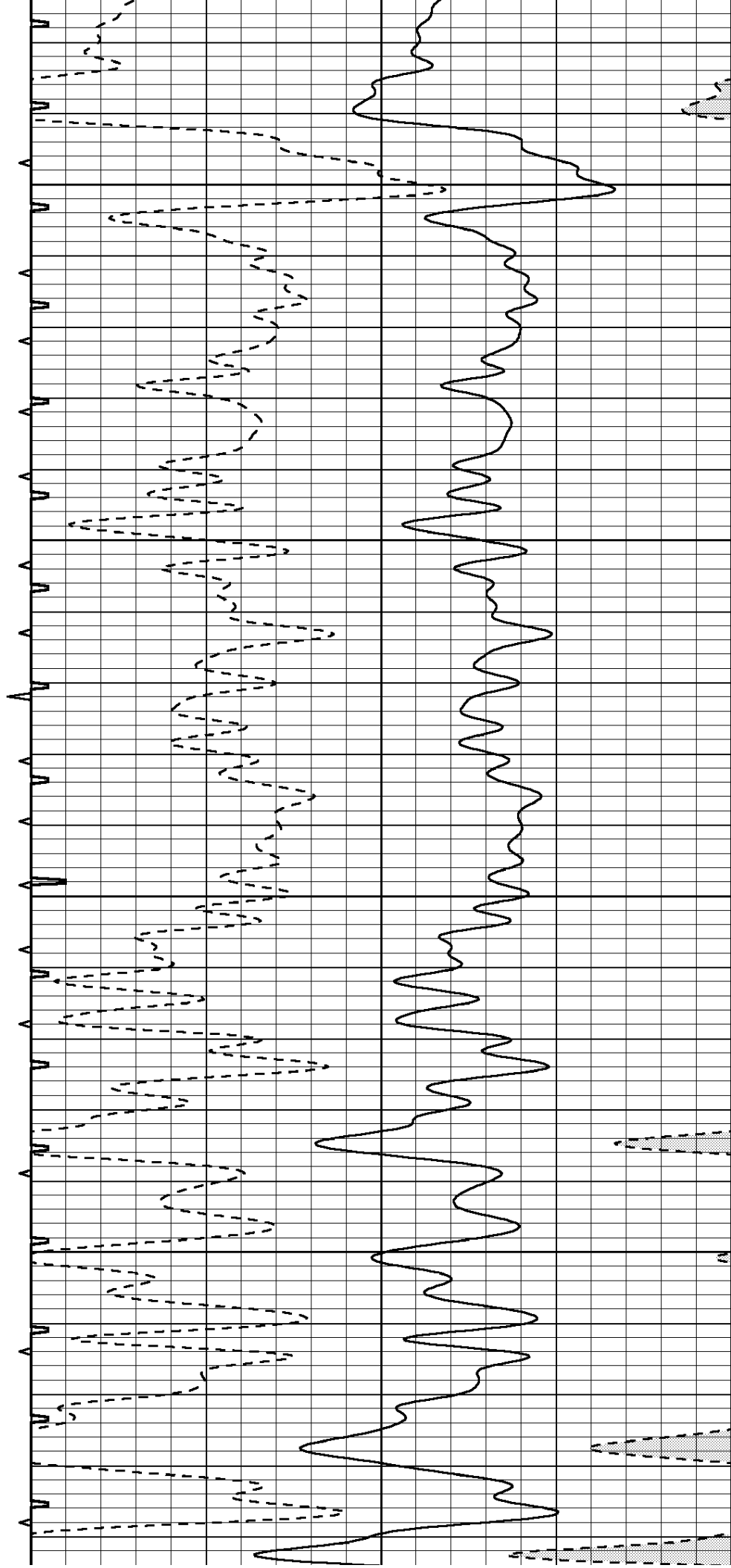


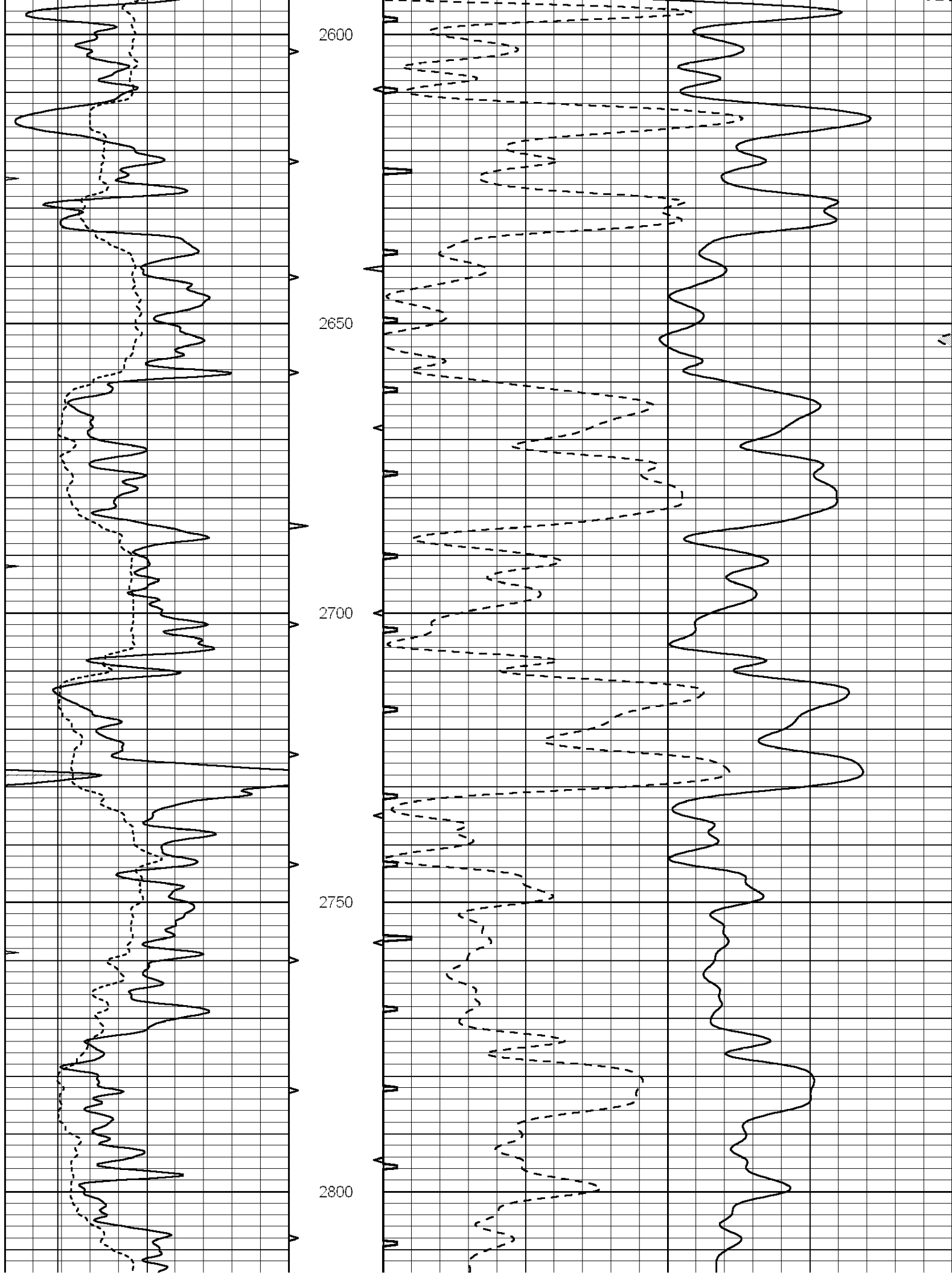
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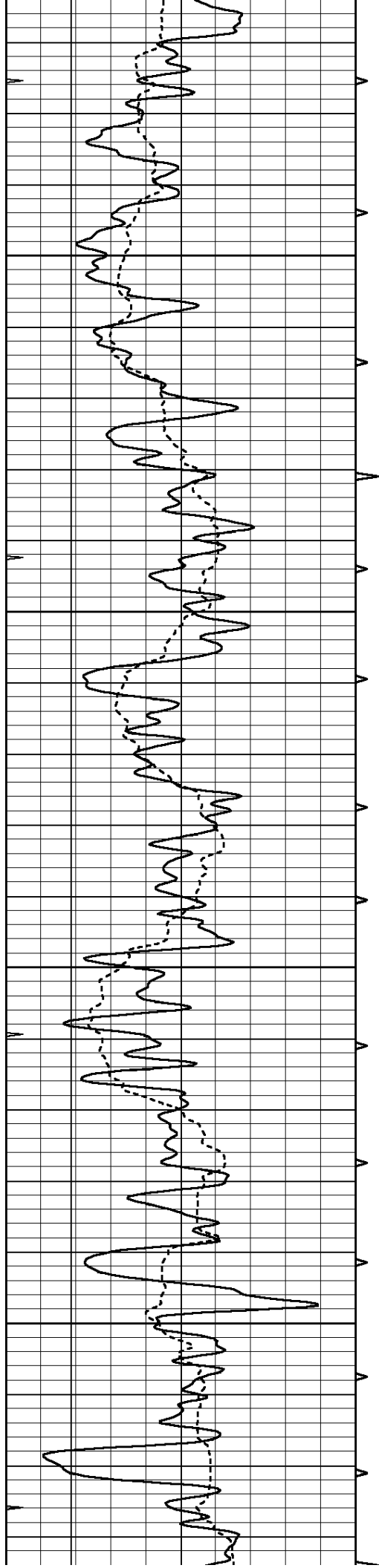
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2550





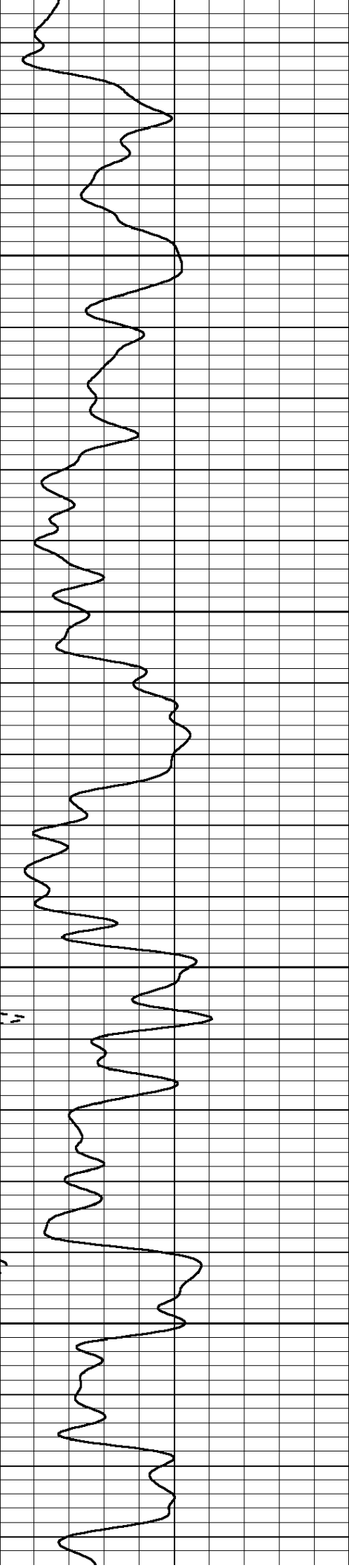
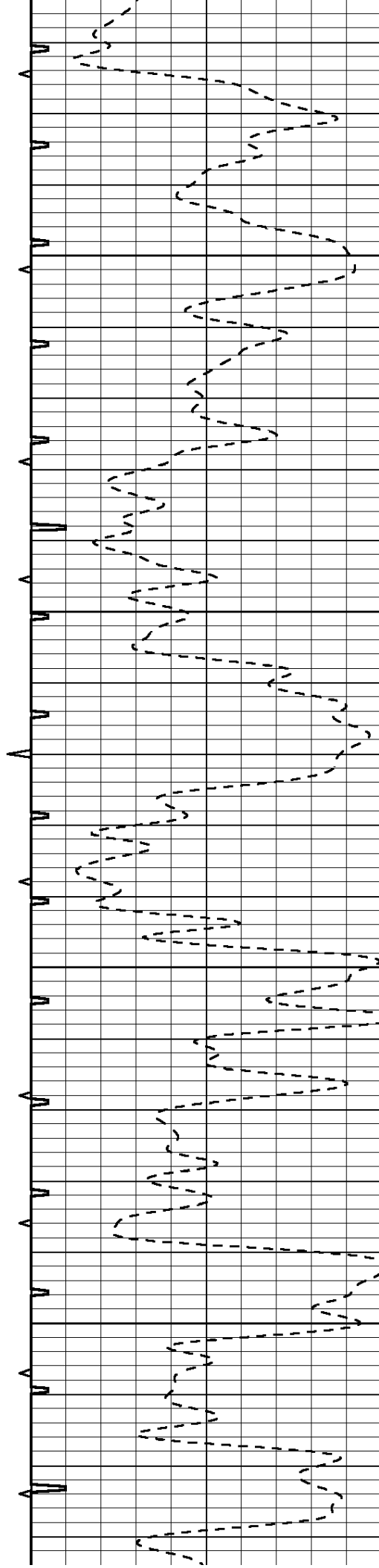


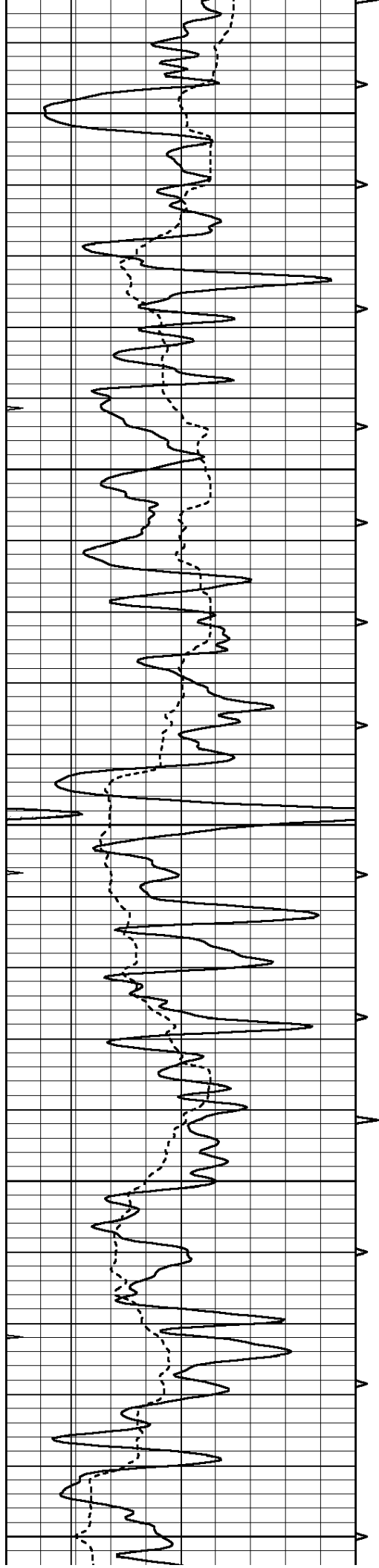
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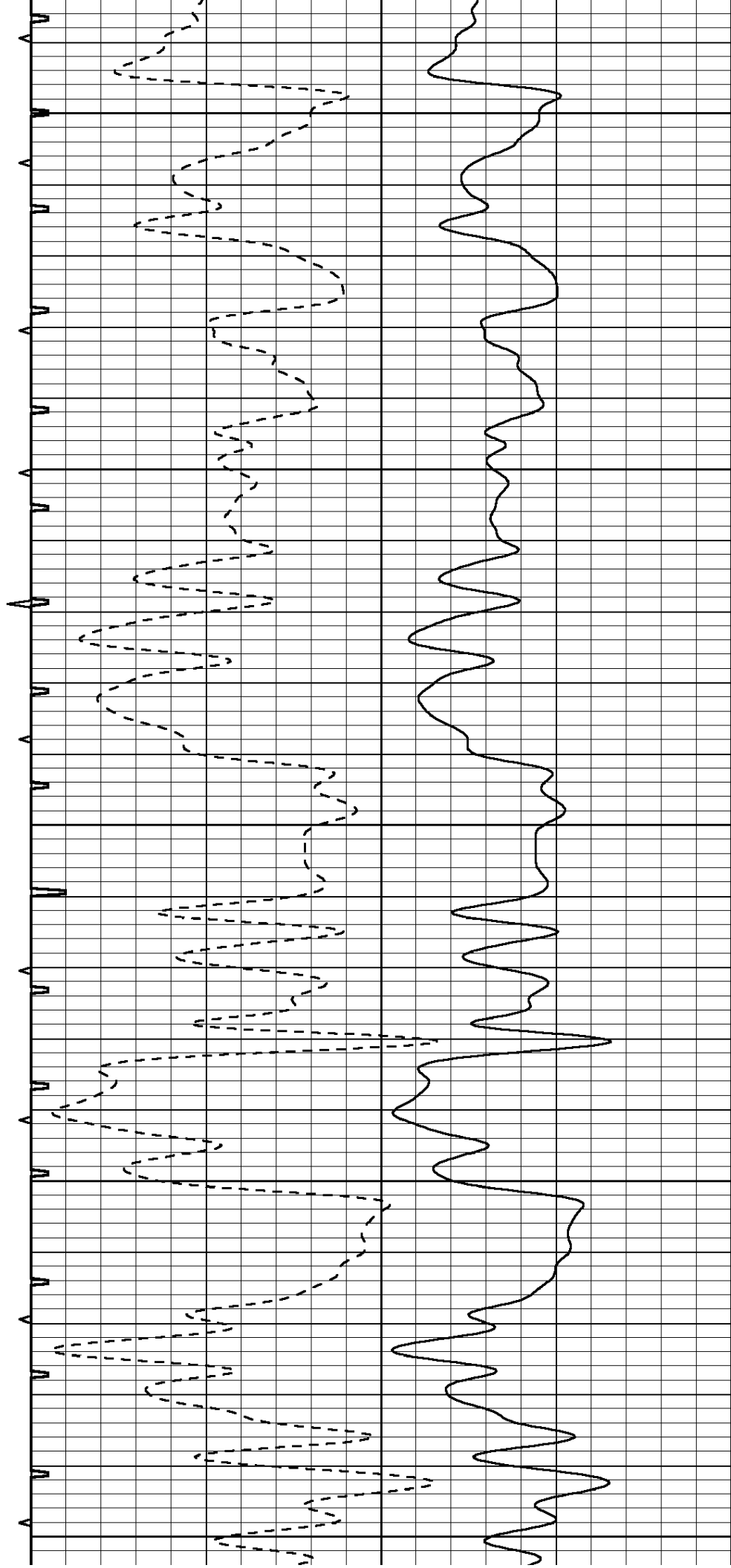
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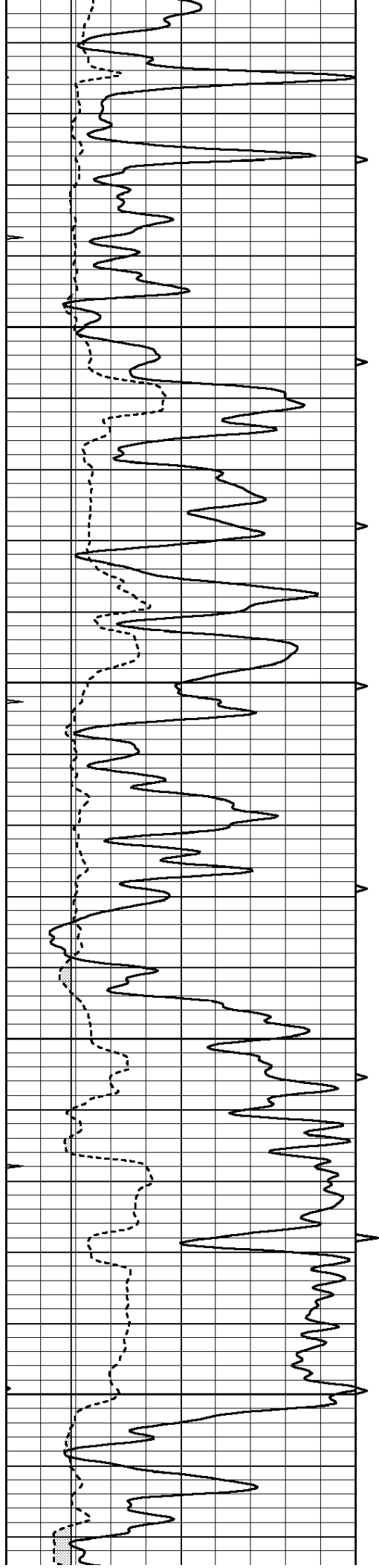
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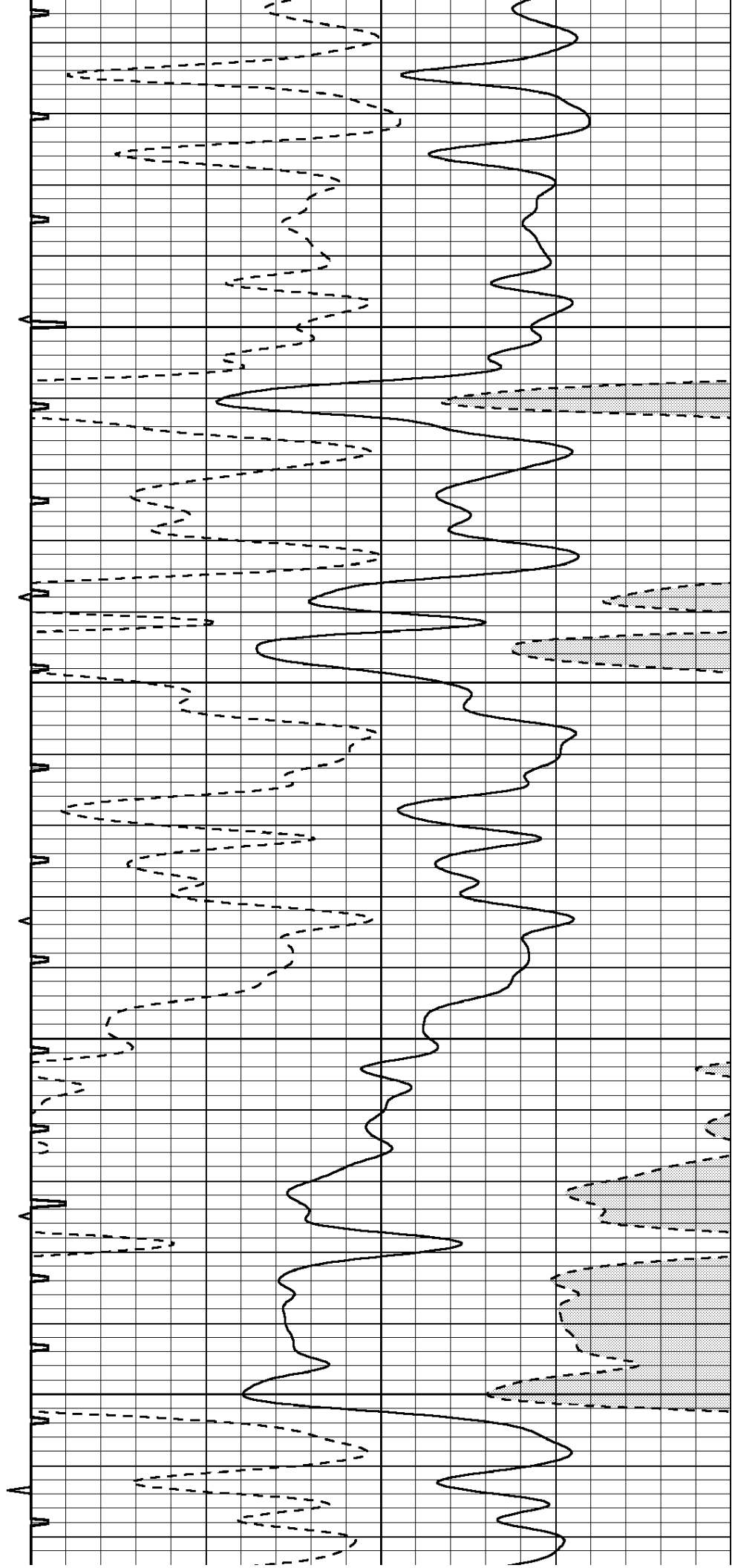


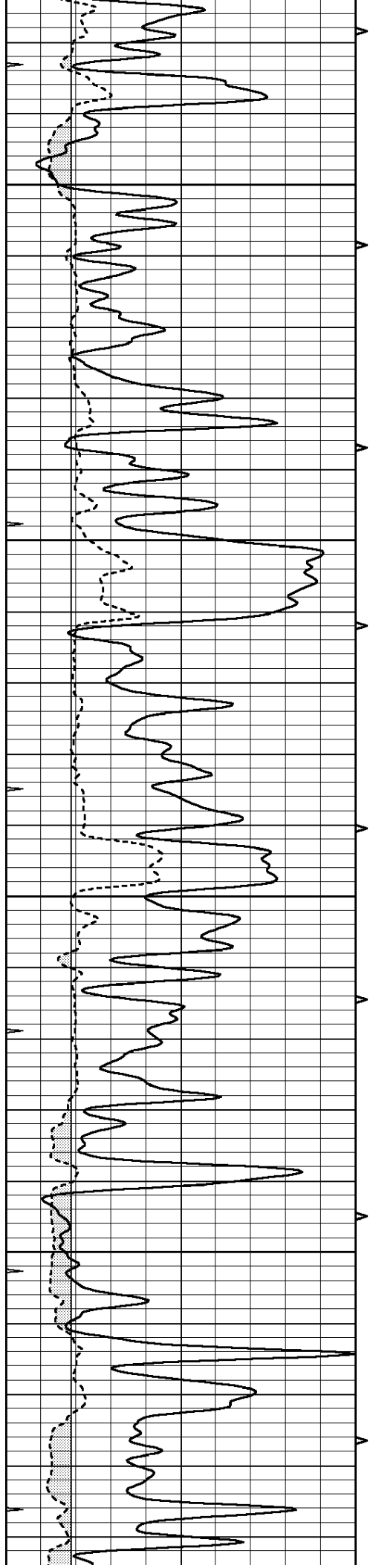
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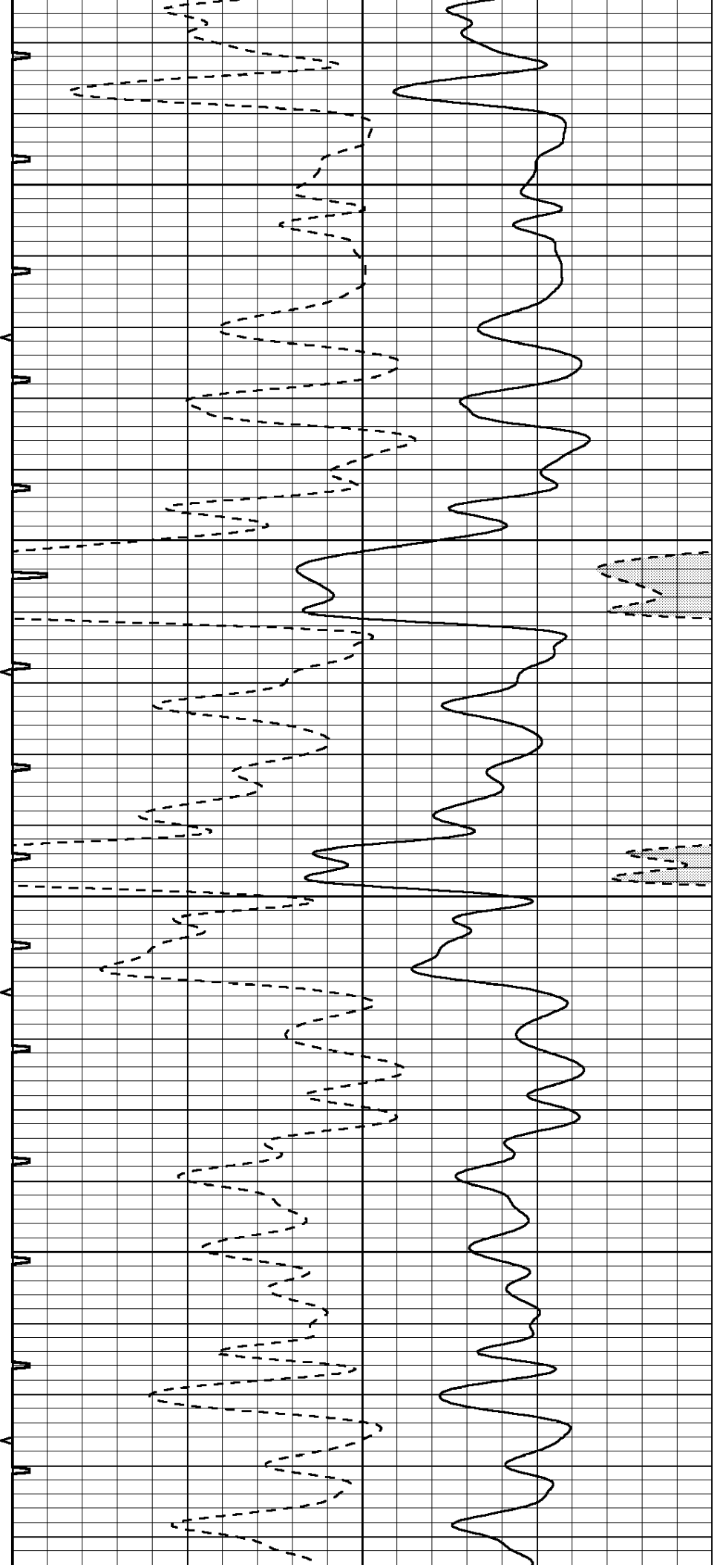


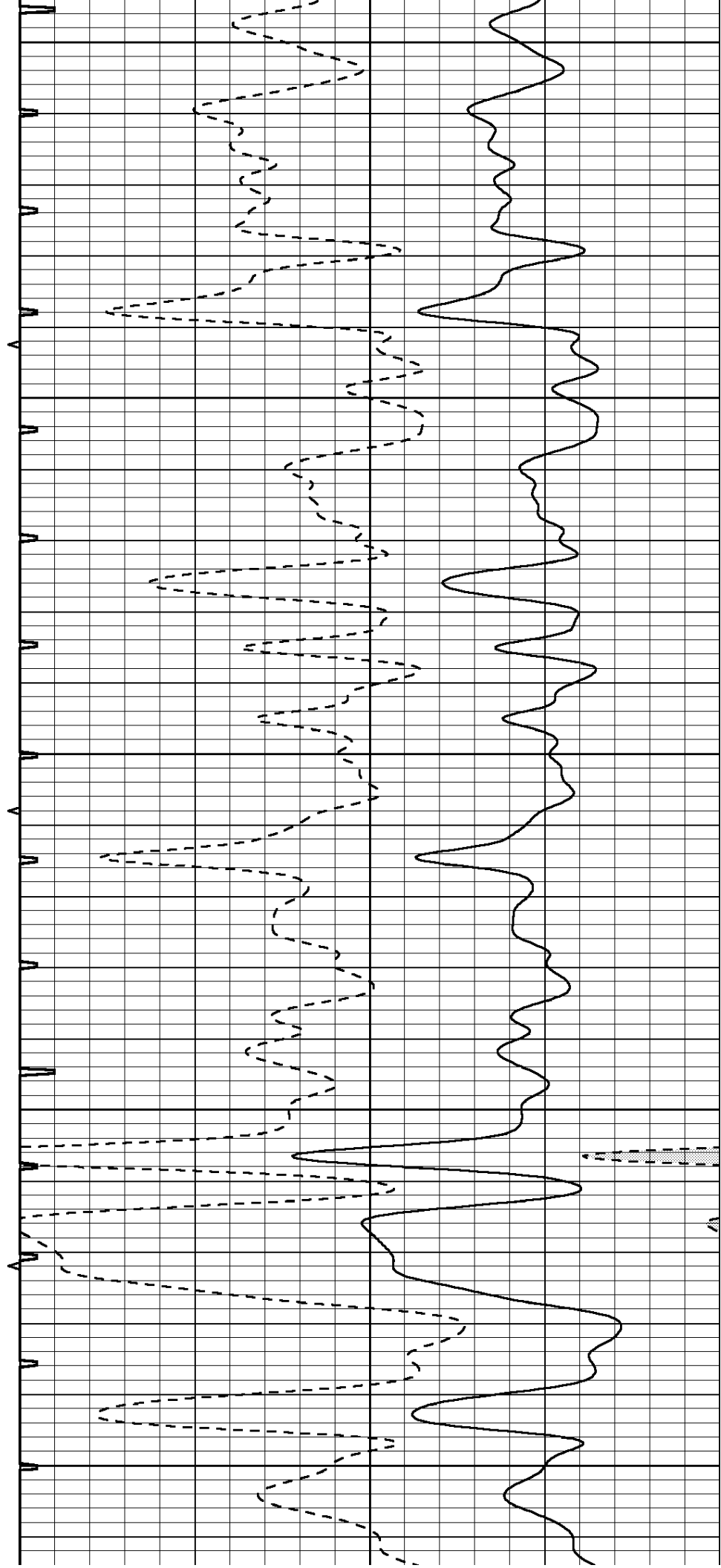
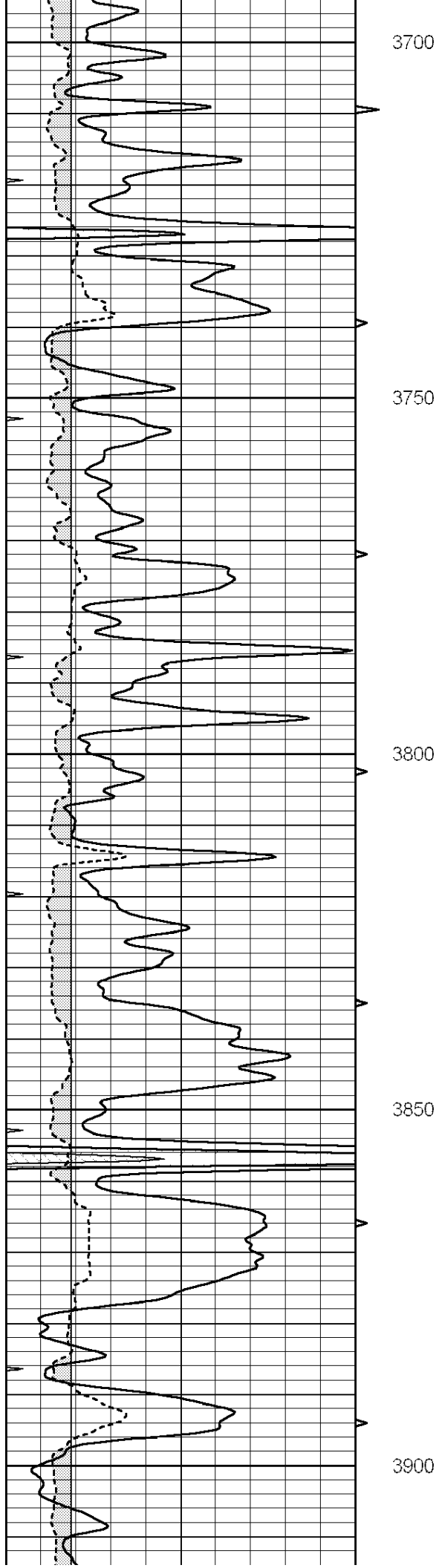
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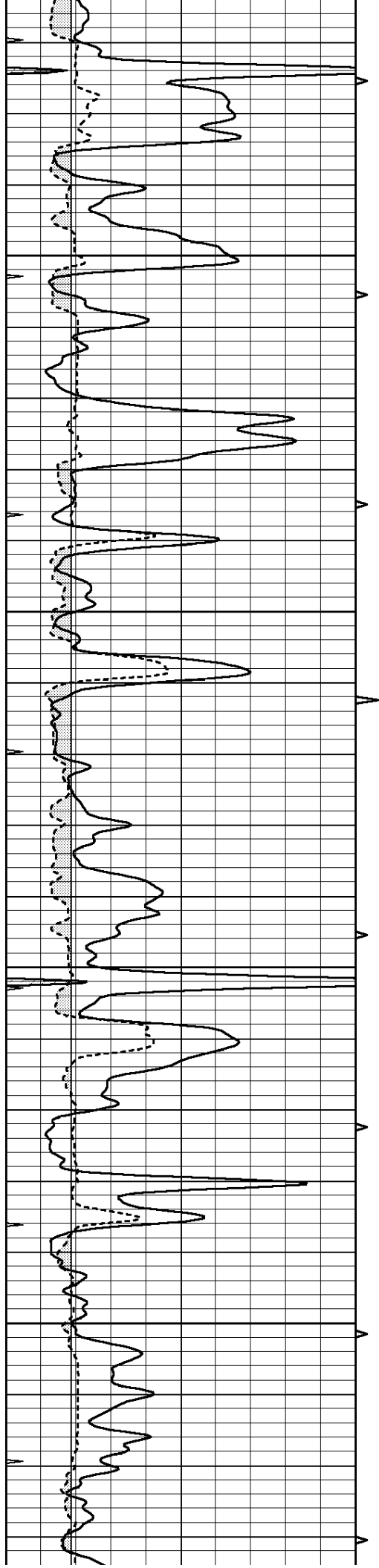
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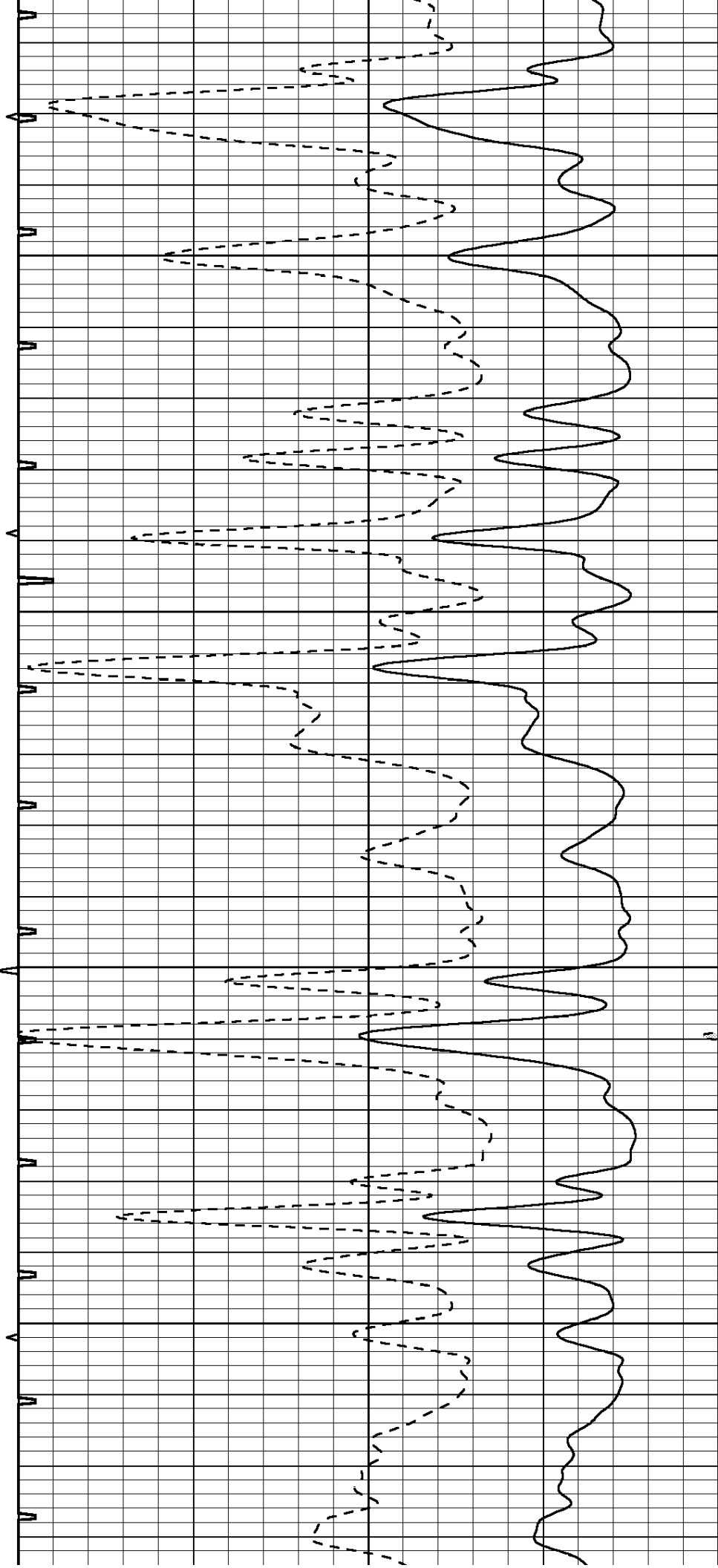


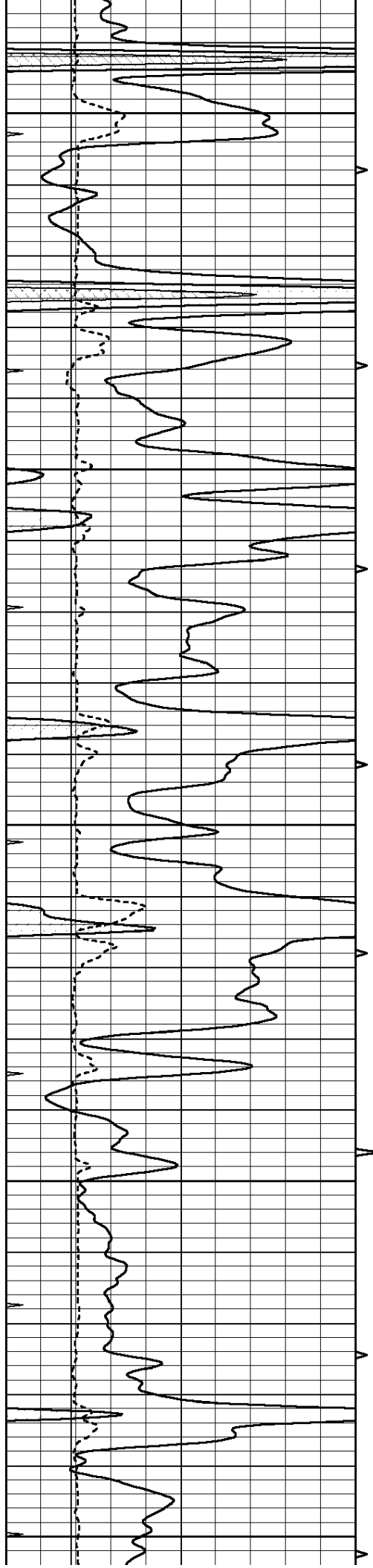
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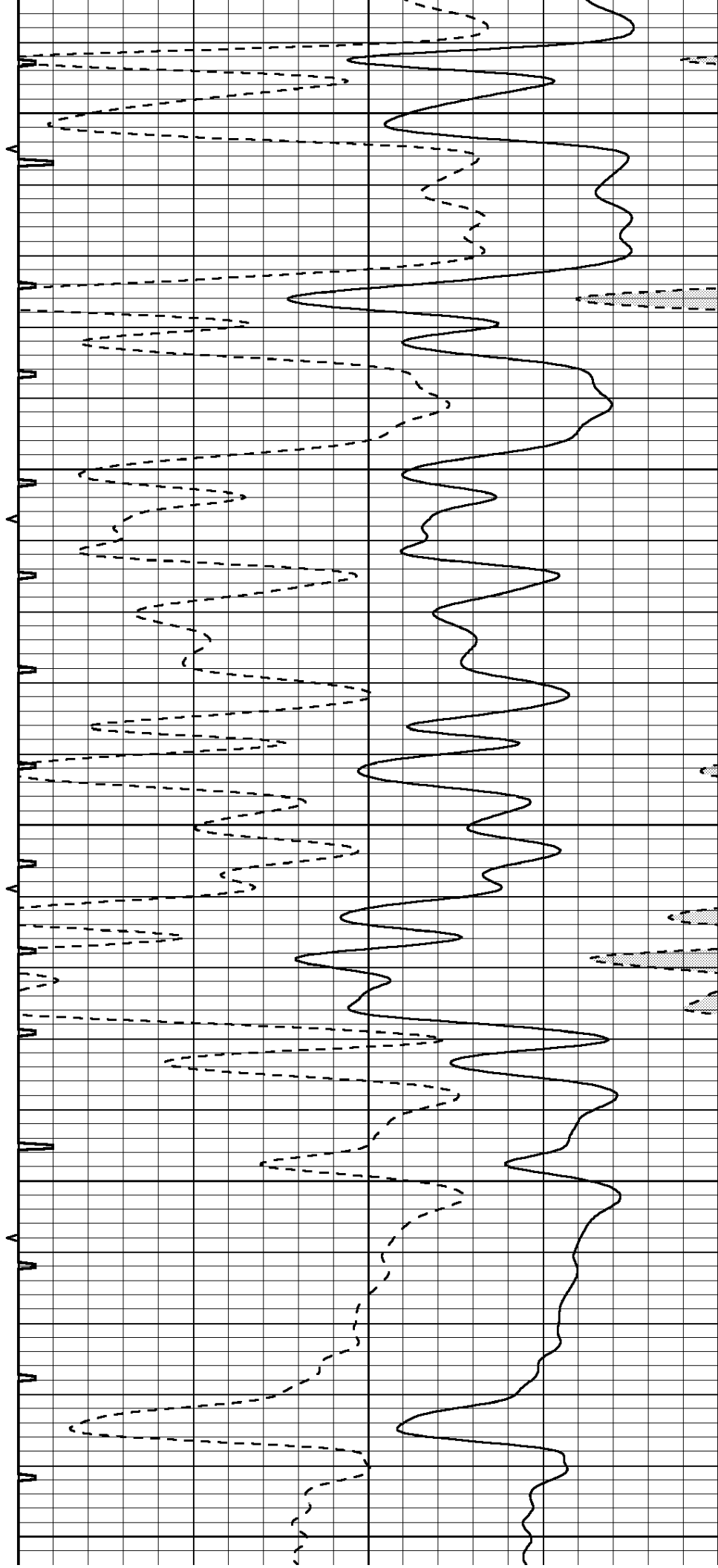
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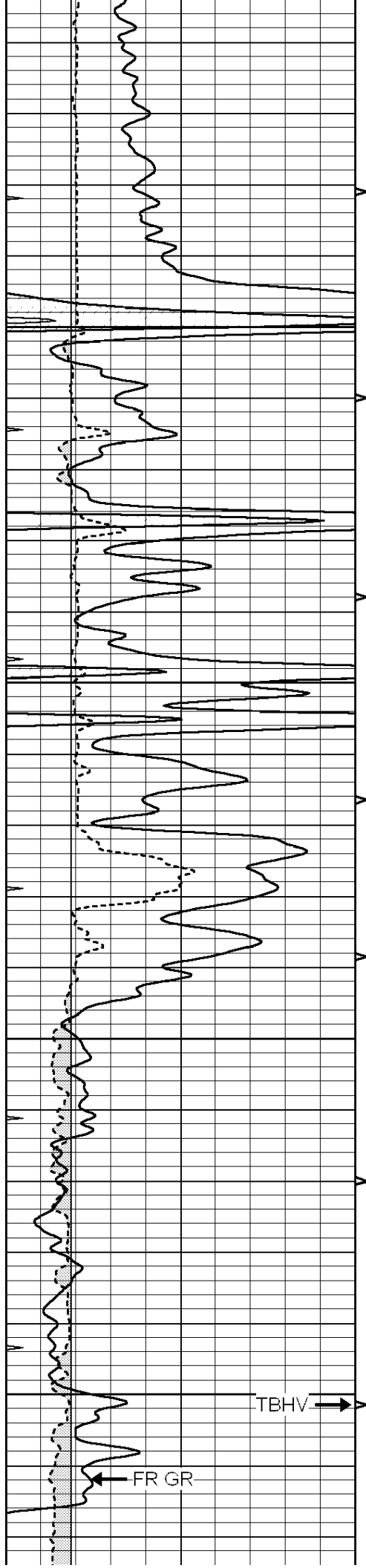
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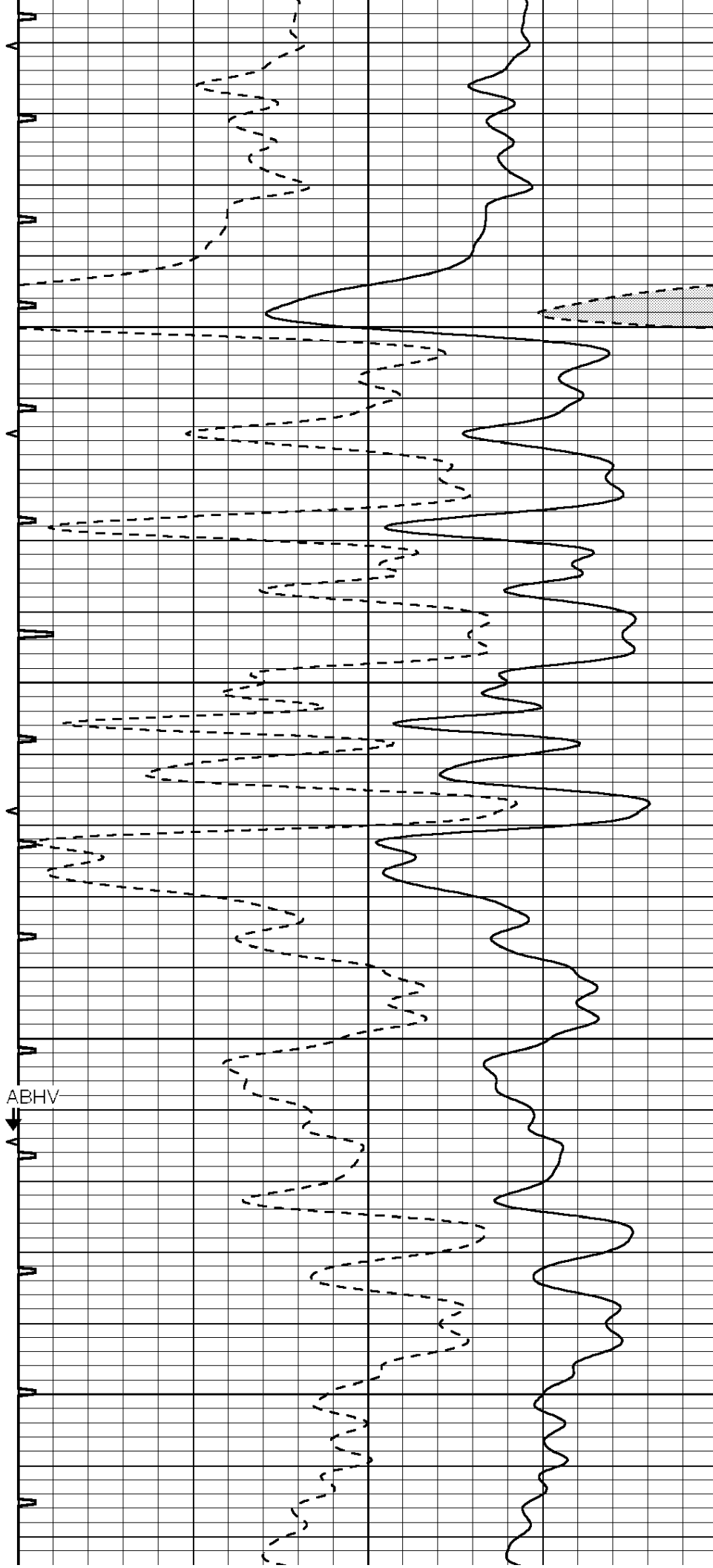
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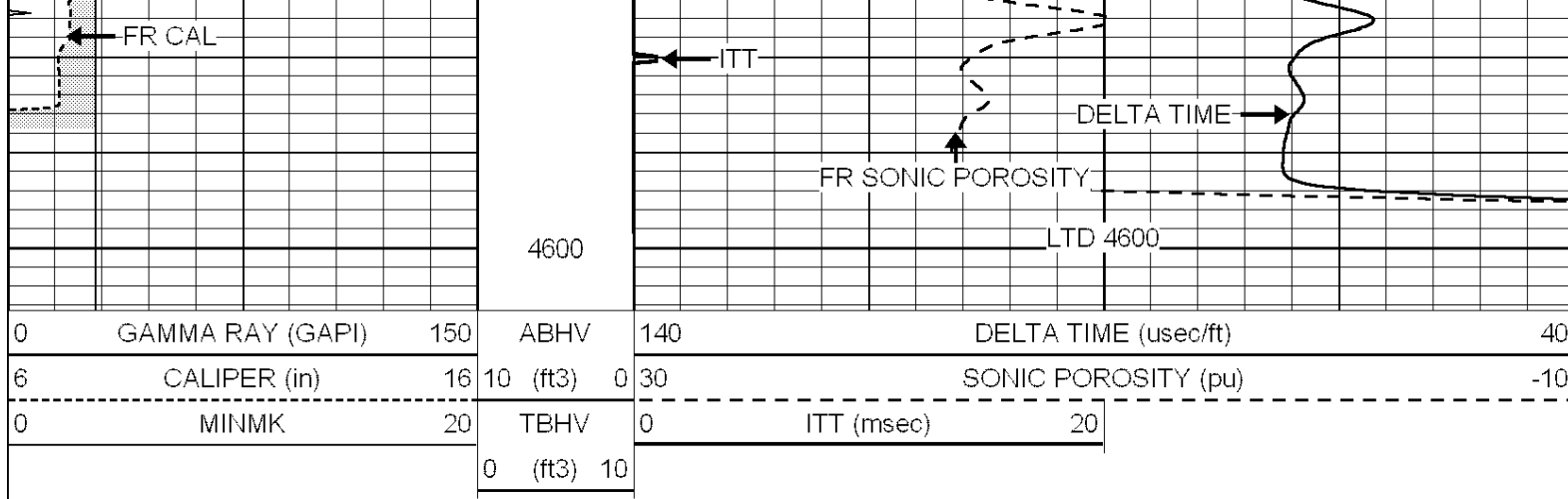
5.5" ABHV

4550

TBHV →

← FR GR





REPEAT SECTION

Database File: 010903pe.db
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 Dataset Creation: Sat May 11 20:59:46 2013
 Charted by: Depth in Feet scaled 1:240

