



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		MULL DRILLING COMPANY, INC.	
Well		#1-16 HENDERSON	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Company		MULL DRILLING COMPANY, INC.	
Well		#1-16 HENDERSON	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Location:		API # : 15-135-25500-0000	
SEC 16 TWP 16S RGE 23W		CDL/CNL/PE DIL/MEL	
Permanent Datum		GROUND LEVEL Elevation 2436	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Date	11/7/12		
Run Number	TWO		
Depth Driller	4500		
Depth Logger	4500		
Bottom Logged Interval	4488		
Top Log Interval	200		
Casing Driller	8 5/8"@233'		
Casing Logger	234		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,200 PPM	
Density / Viscosity	9.6/45		
pH / Fluid Loss	9.5/10.0		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.55@80F		
Rinf @ Meas. Temp	.413@80F		
Rinc @ Meas. Temp	.660@80F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.364@121F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	6:30 A.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
RANSOM, KS. (HWY 4 & 283) 2N. ON HWY 283 TO "RD. 280", 1E., S. INTO



**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

010007pe.db

Dataset Pathname:

pass6.5

Presentation Format:

slt

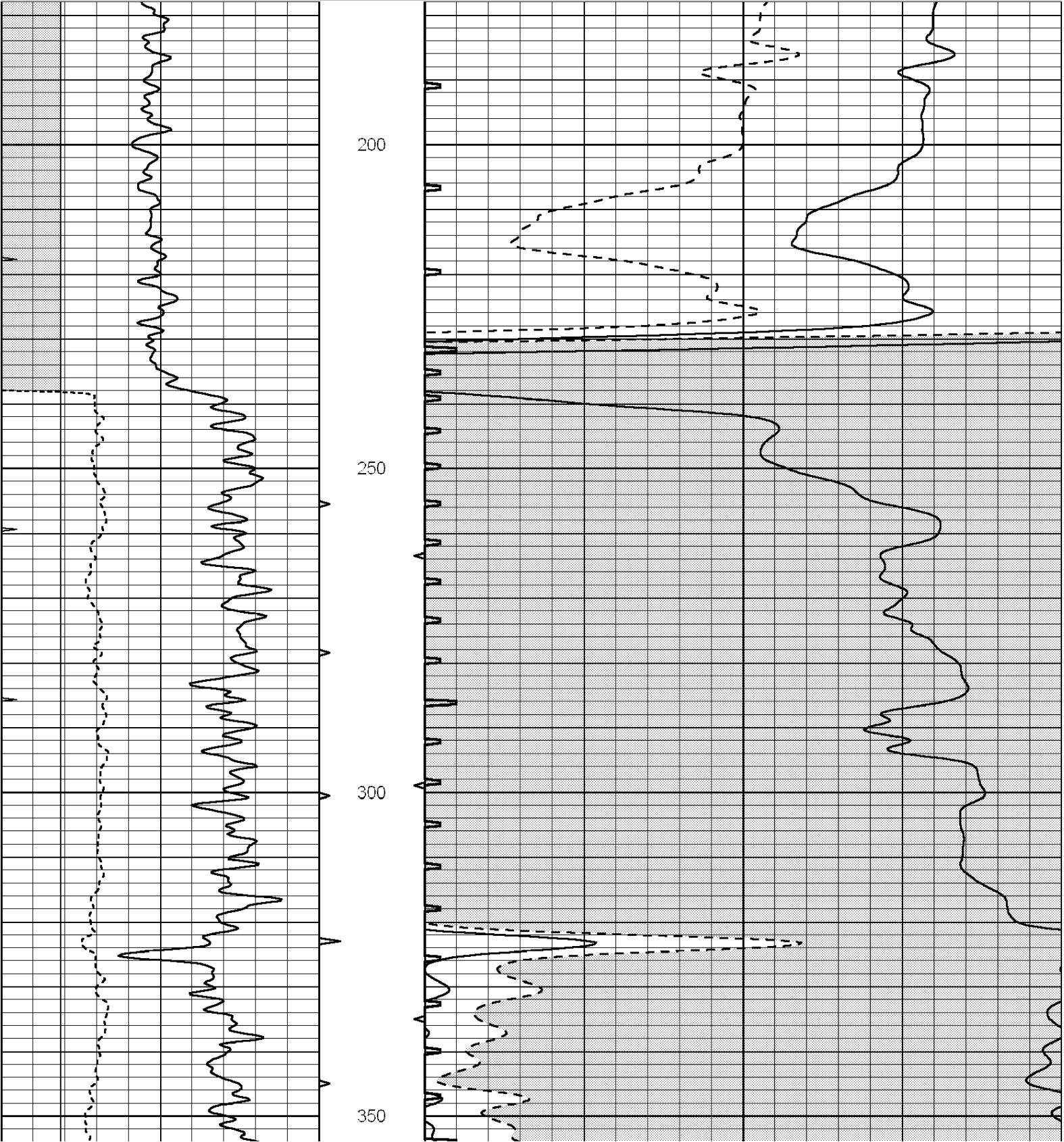
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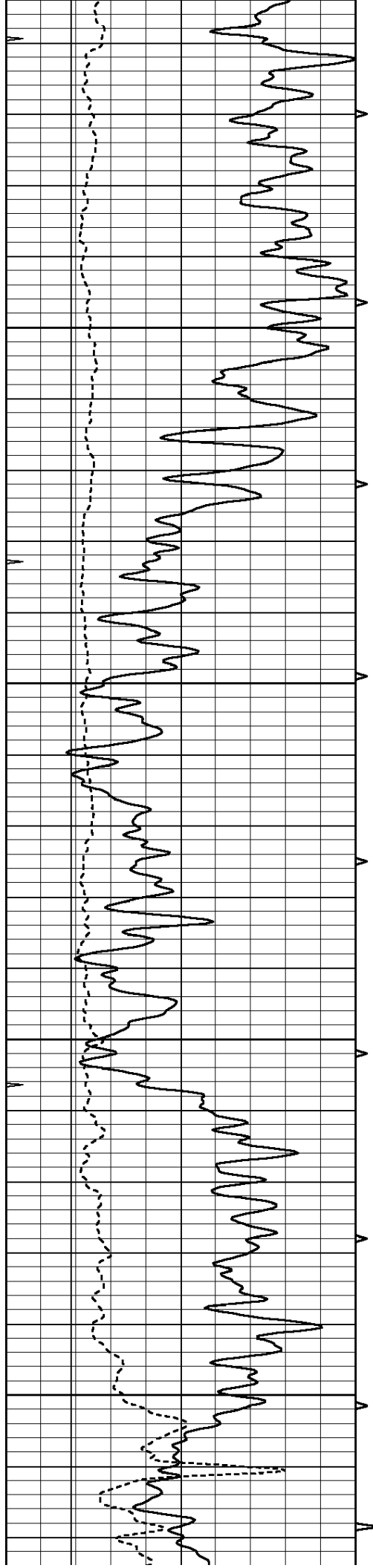
Wed Nov 07 10:09:58 2012

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				



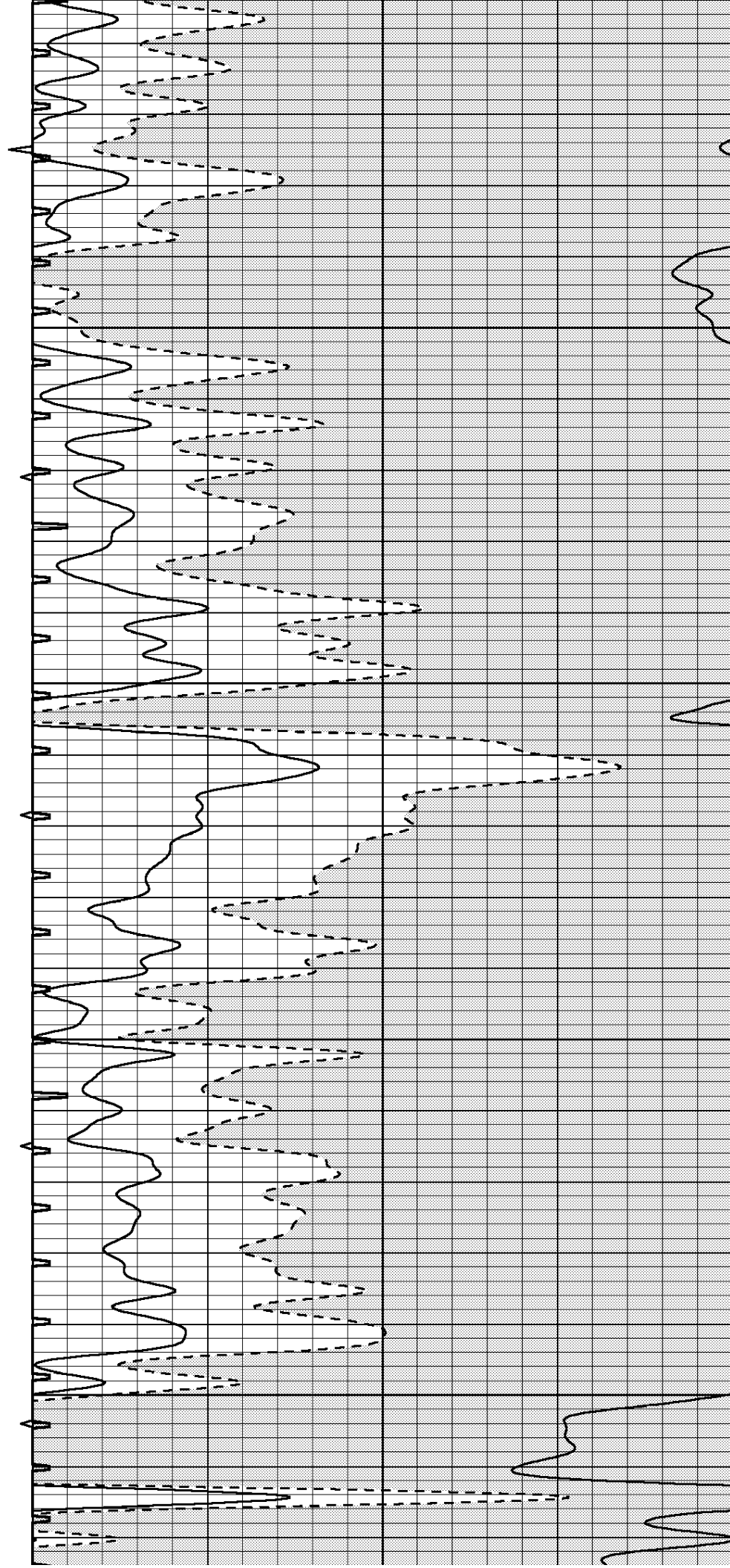


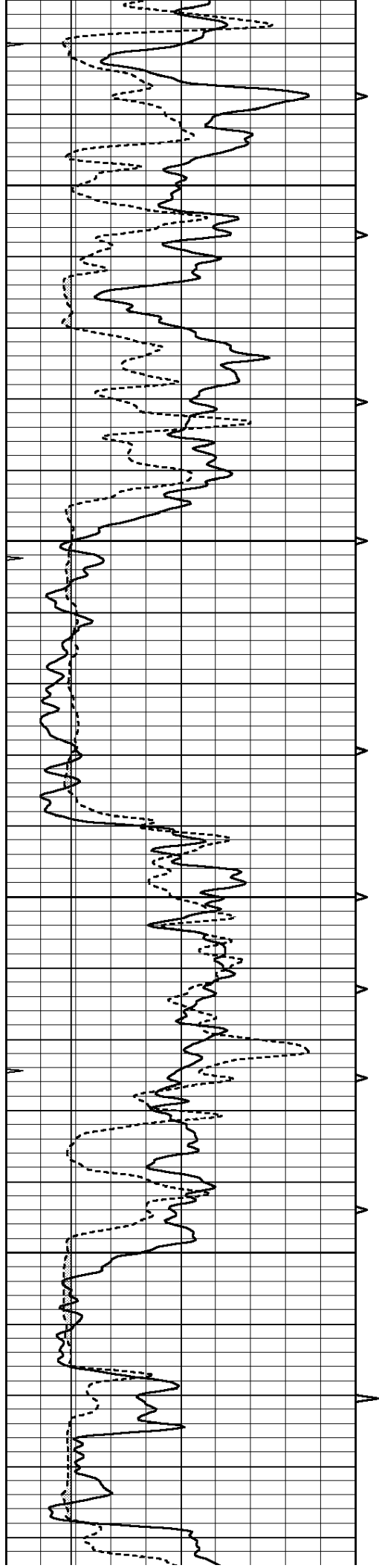
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500

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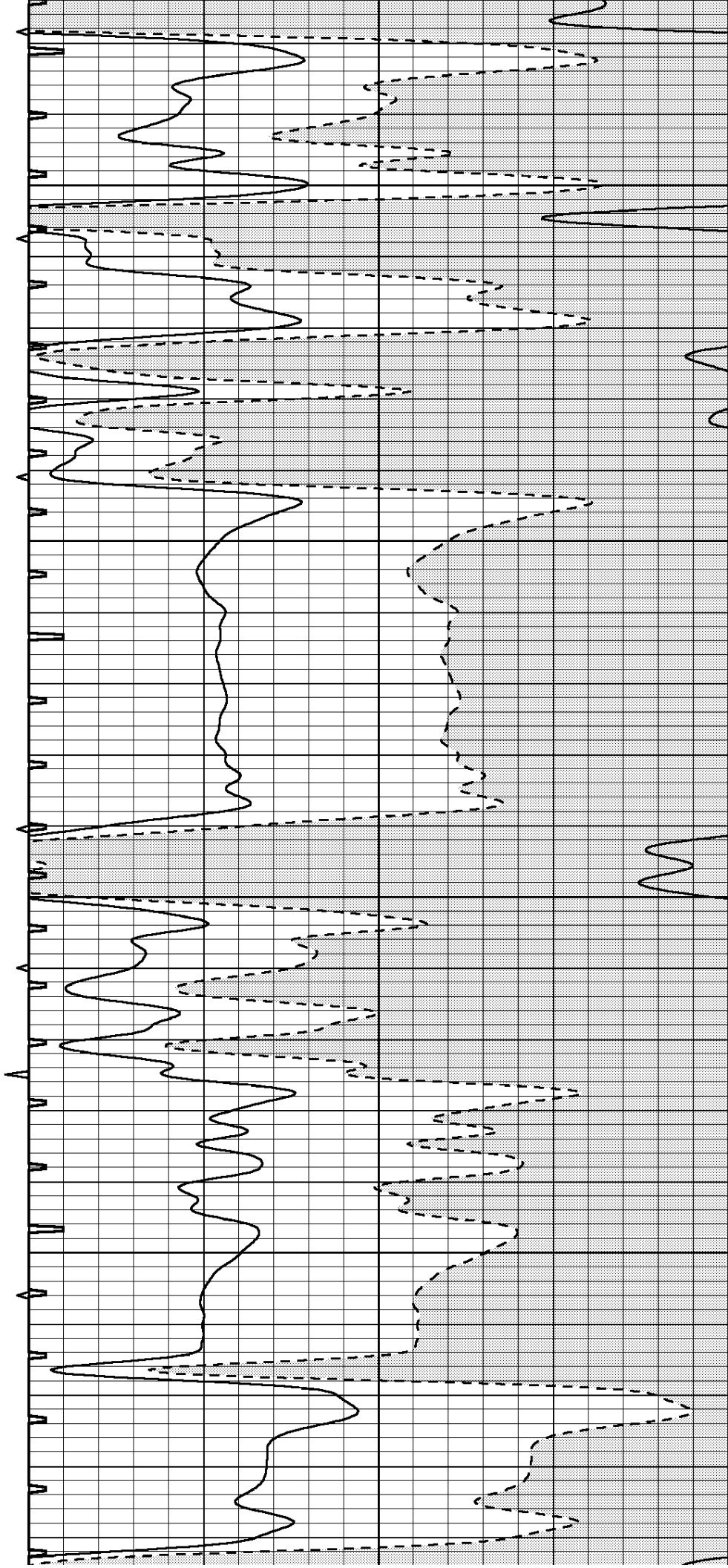


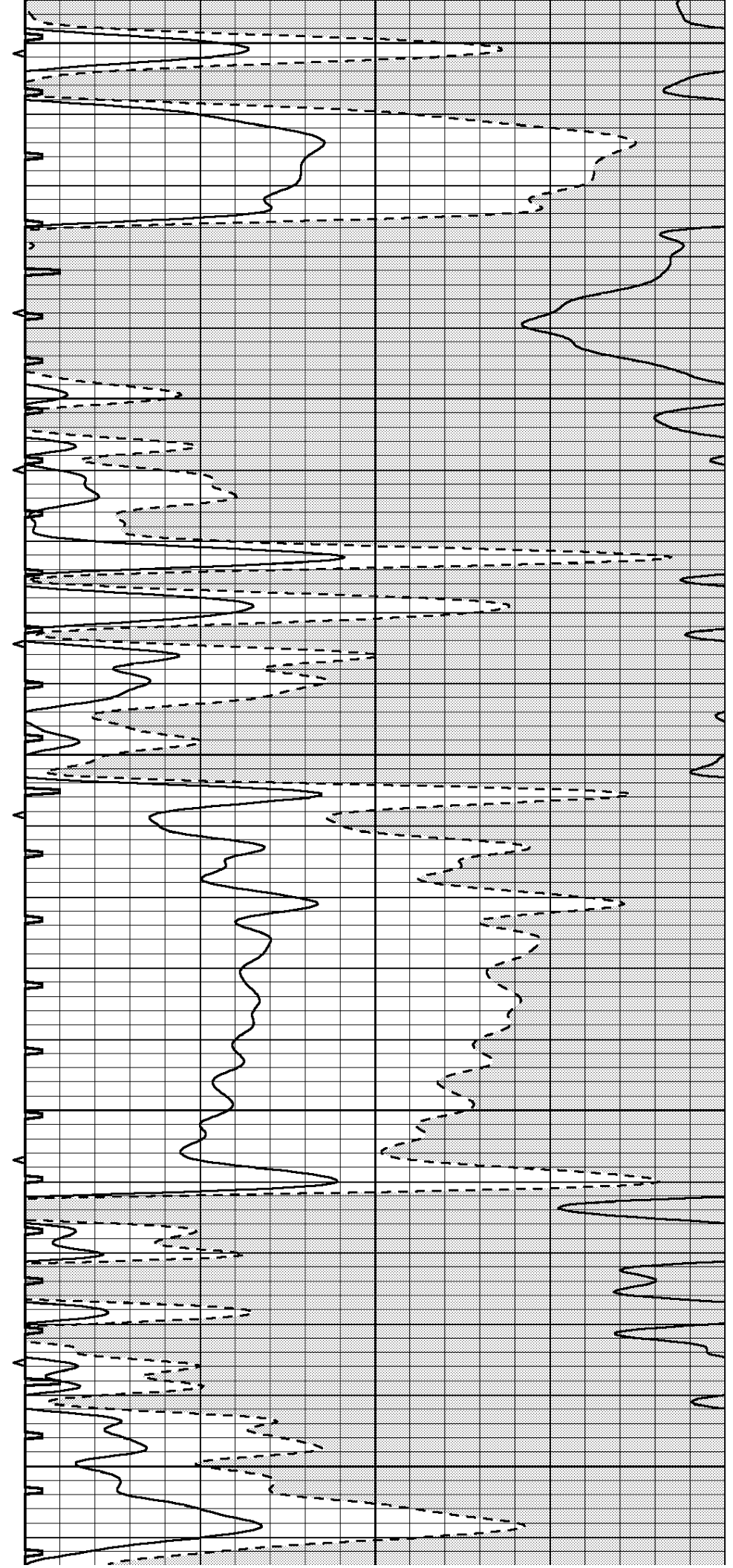
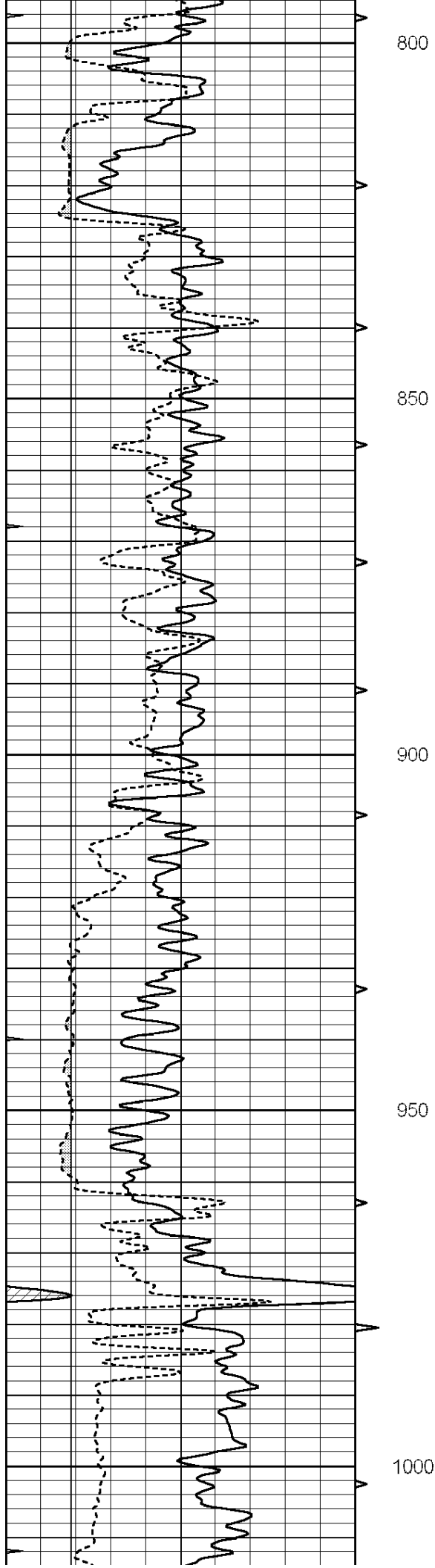
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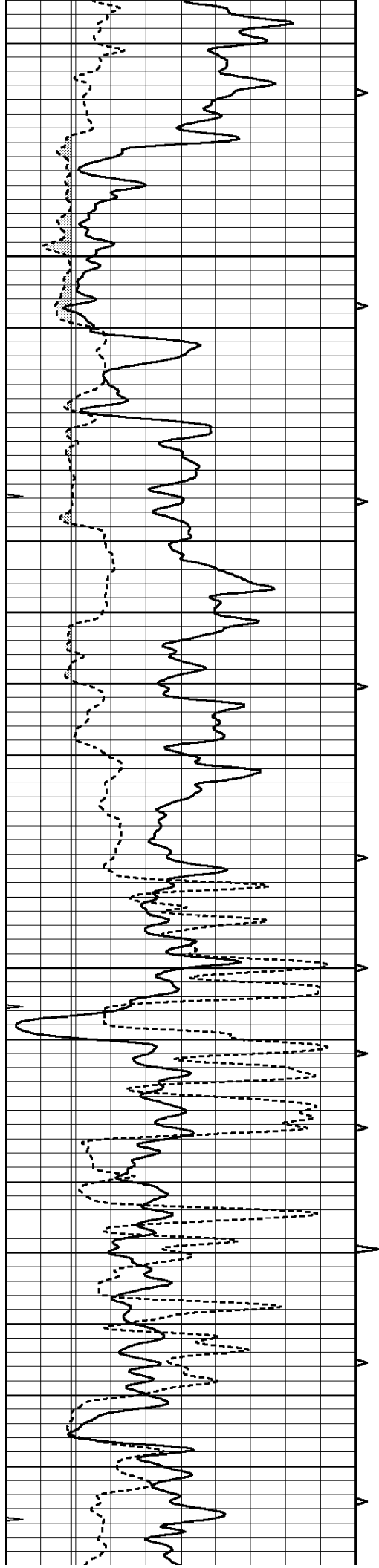
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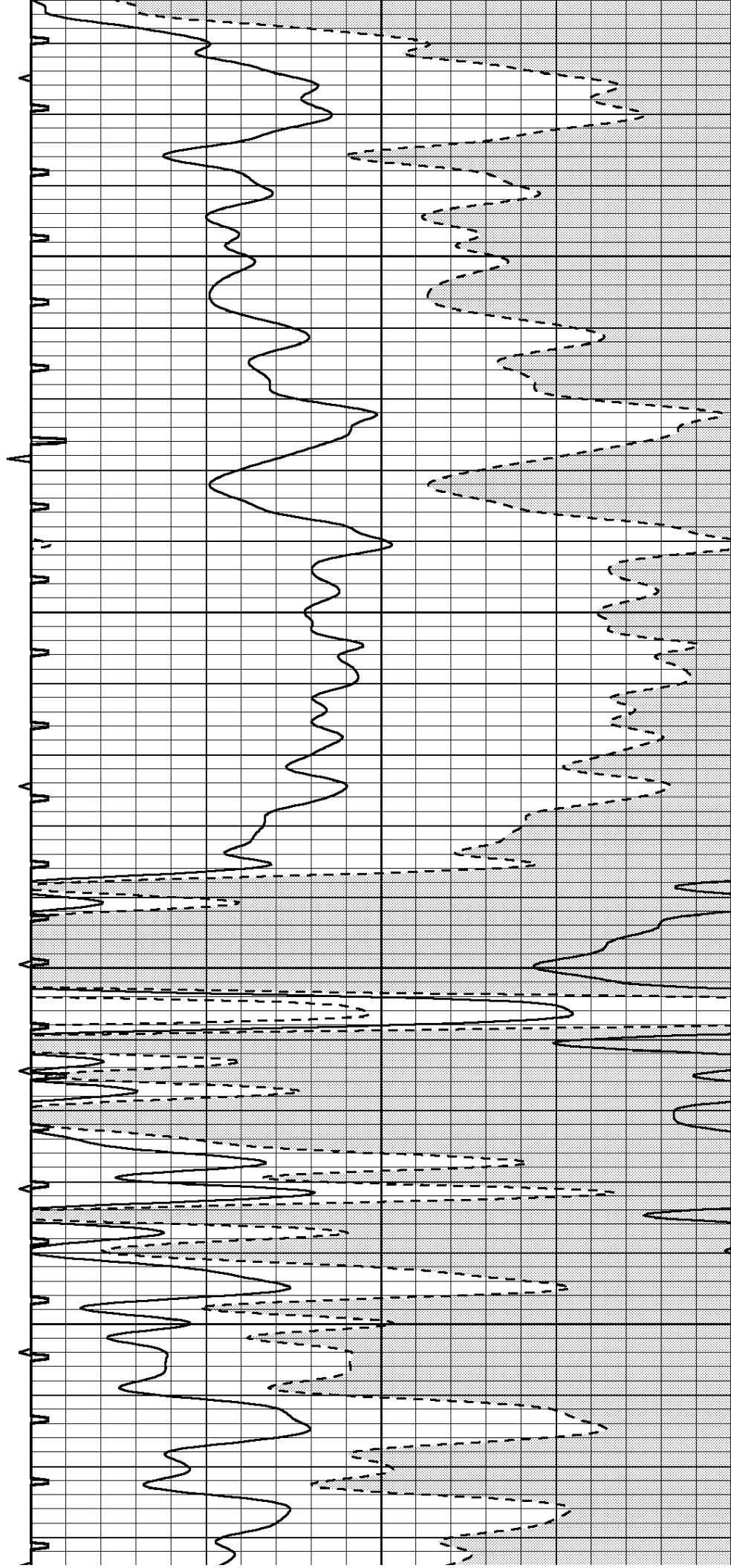


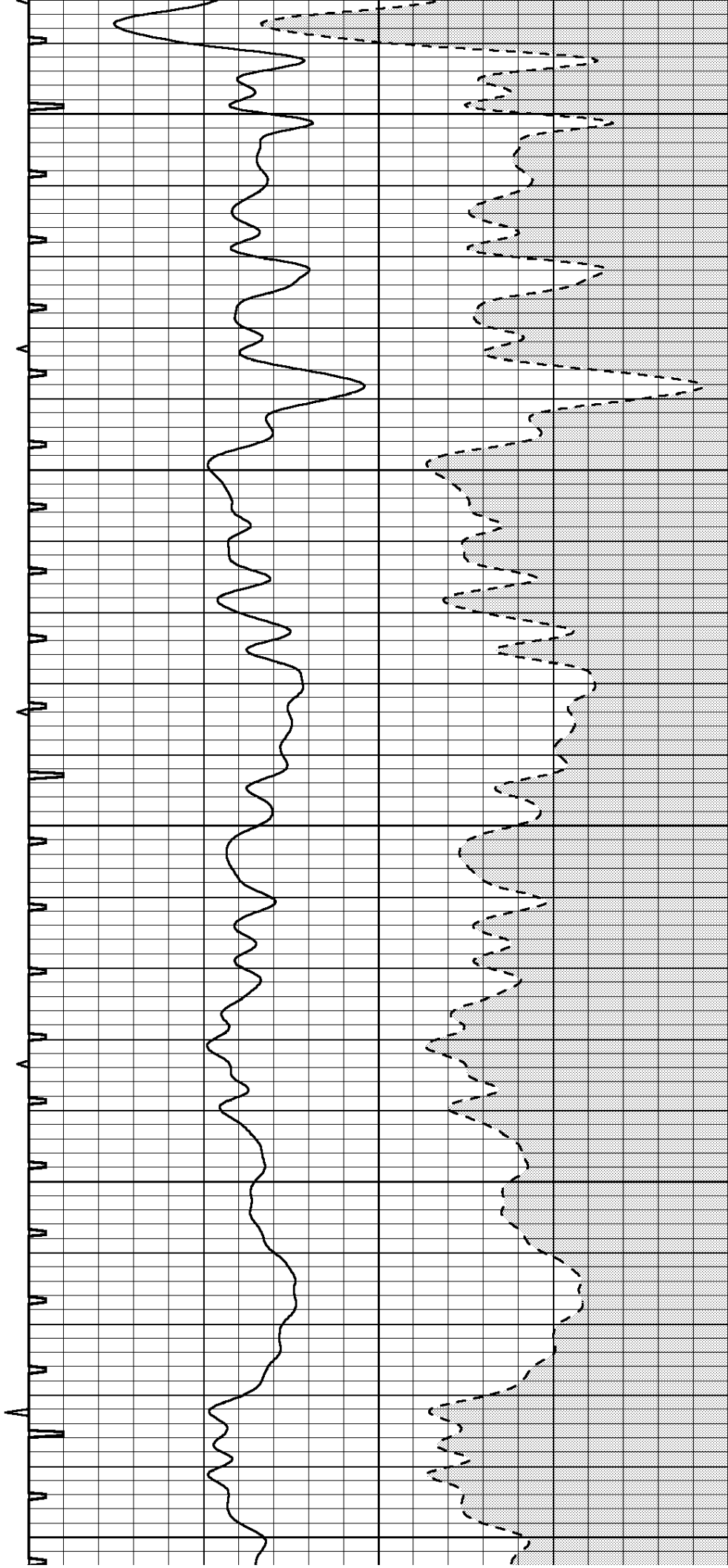
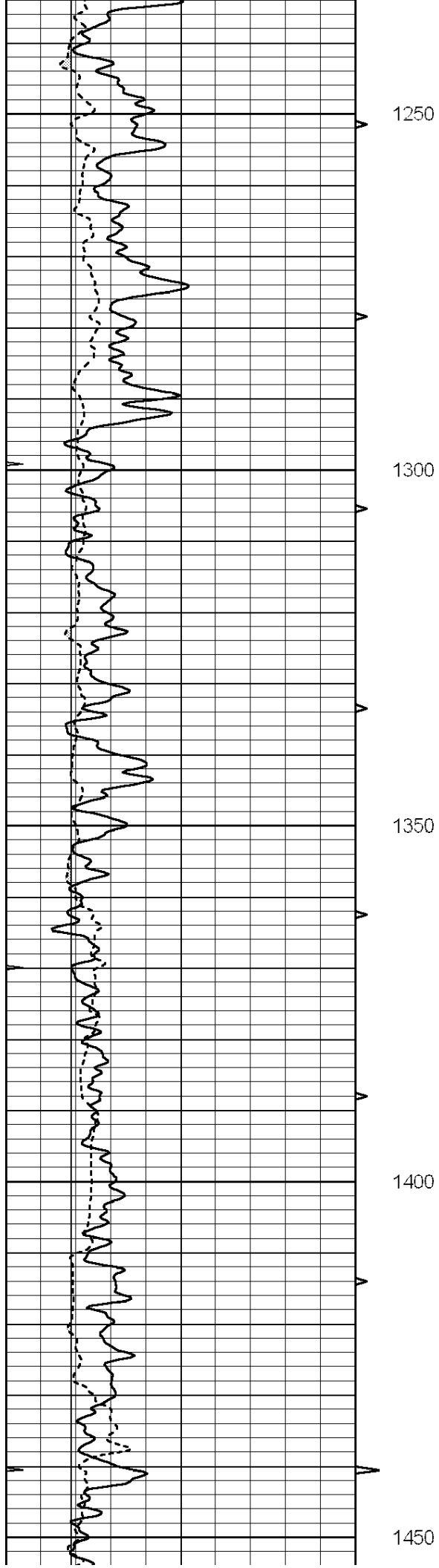
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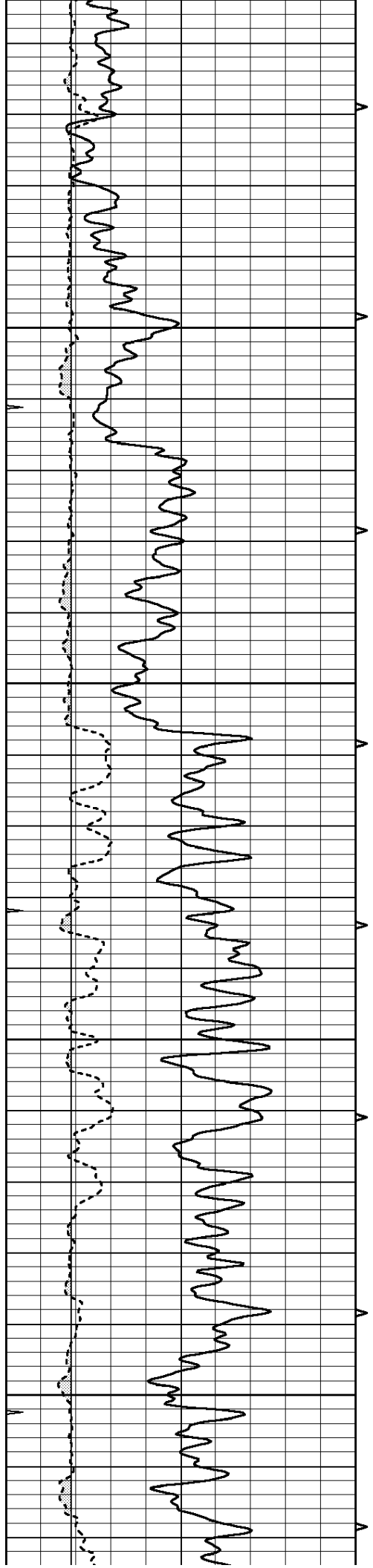
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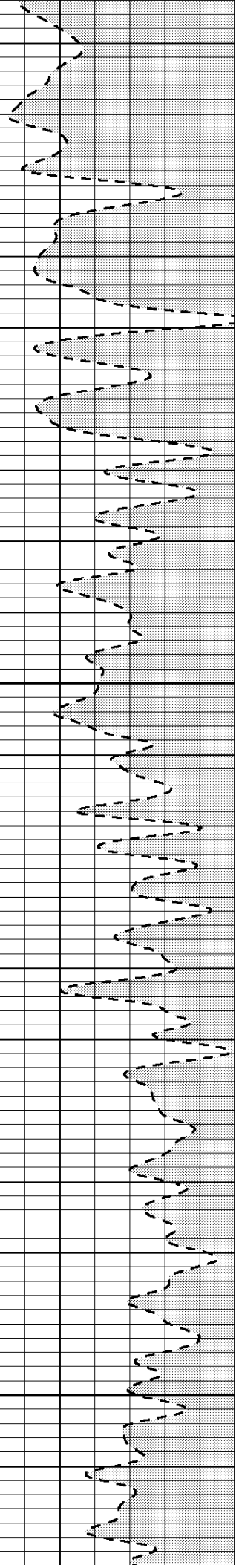
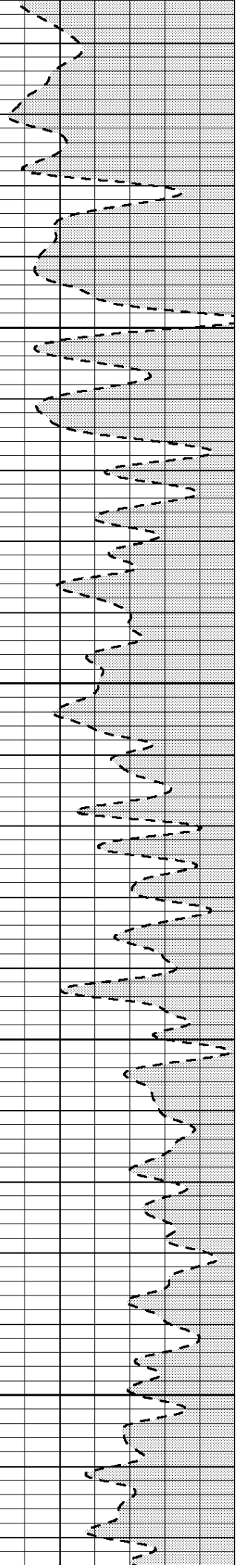
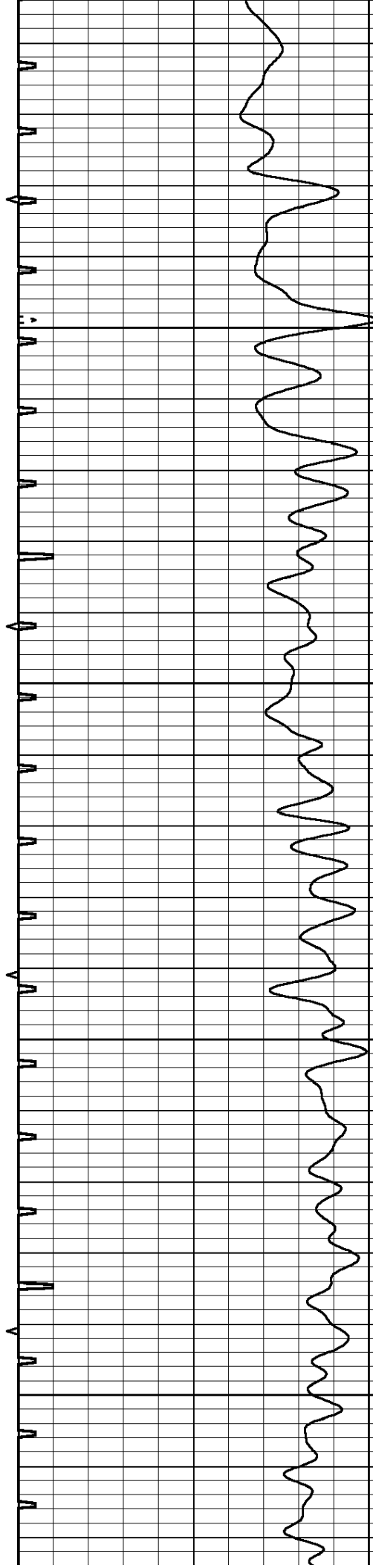


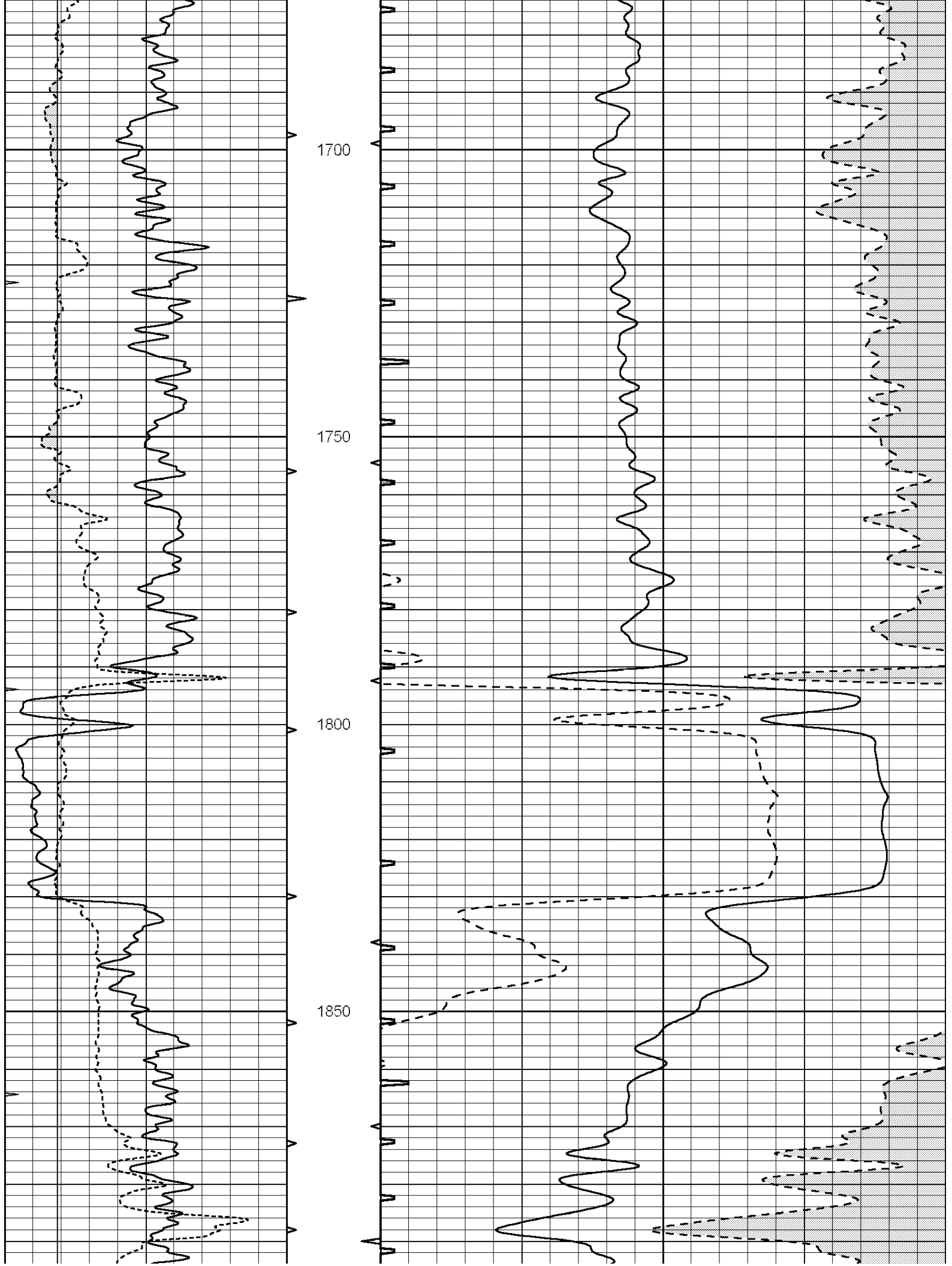
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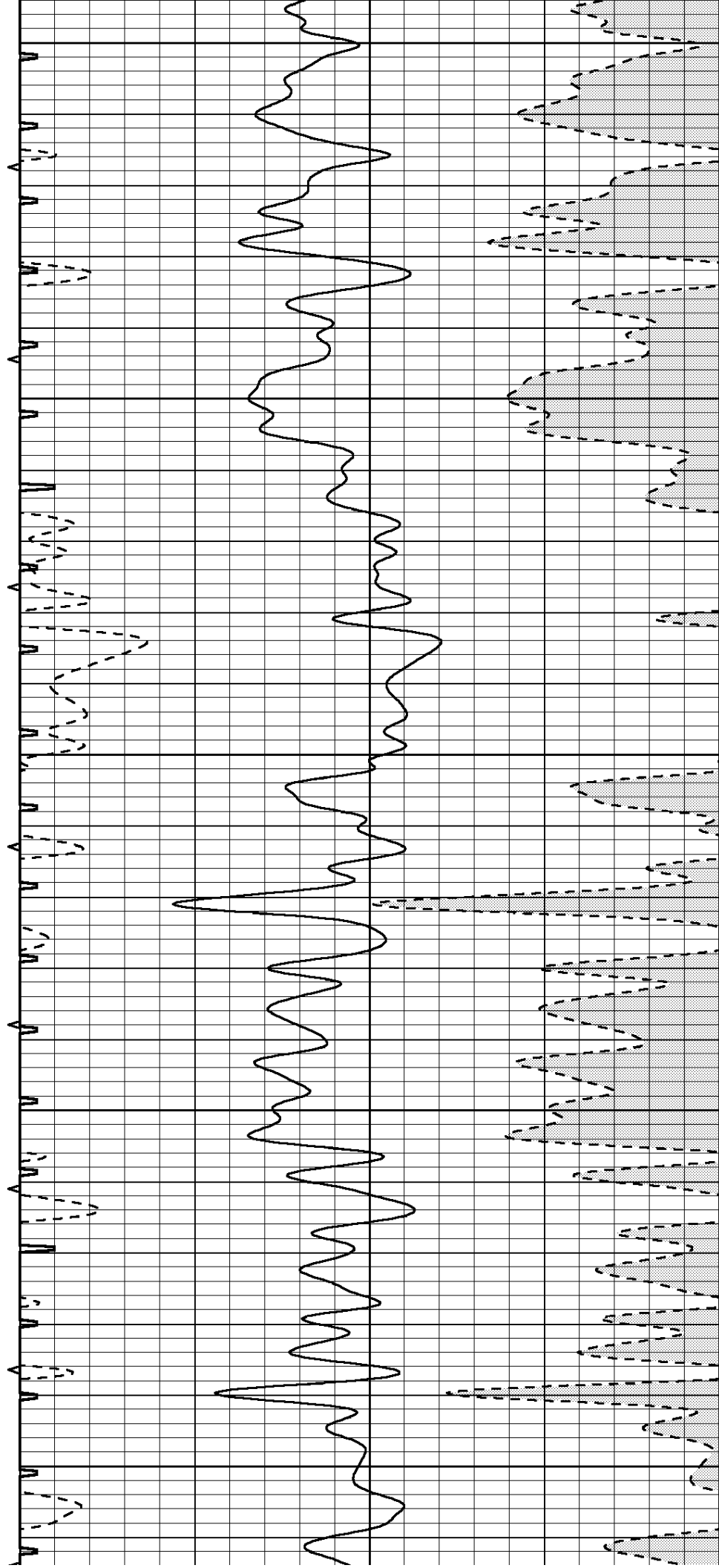
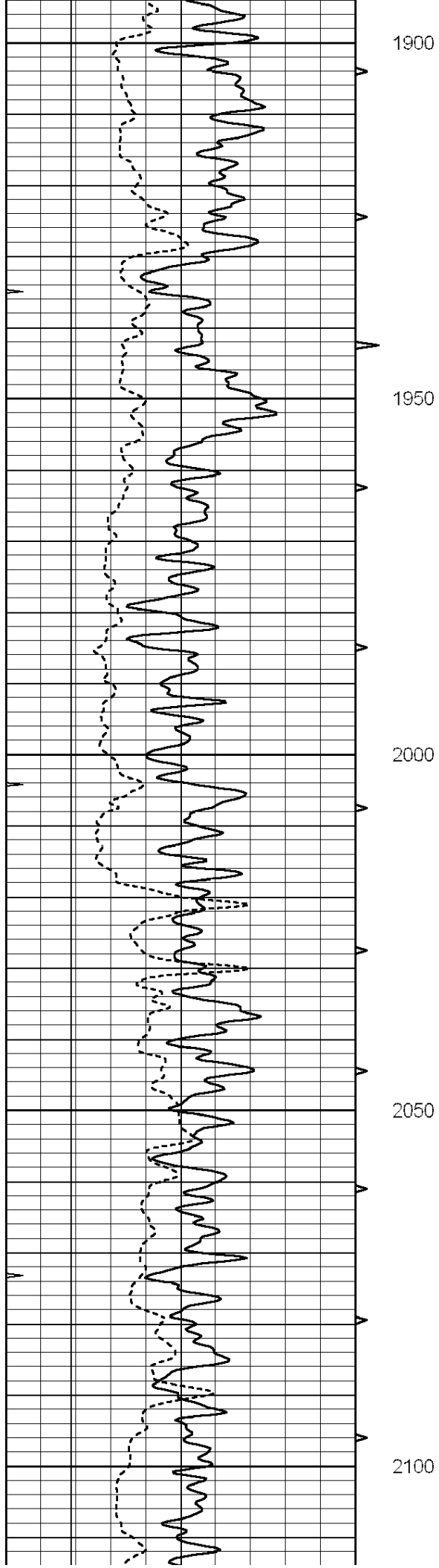
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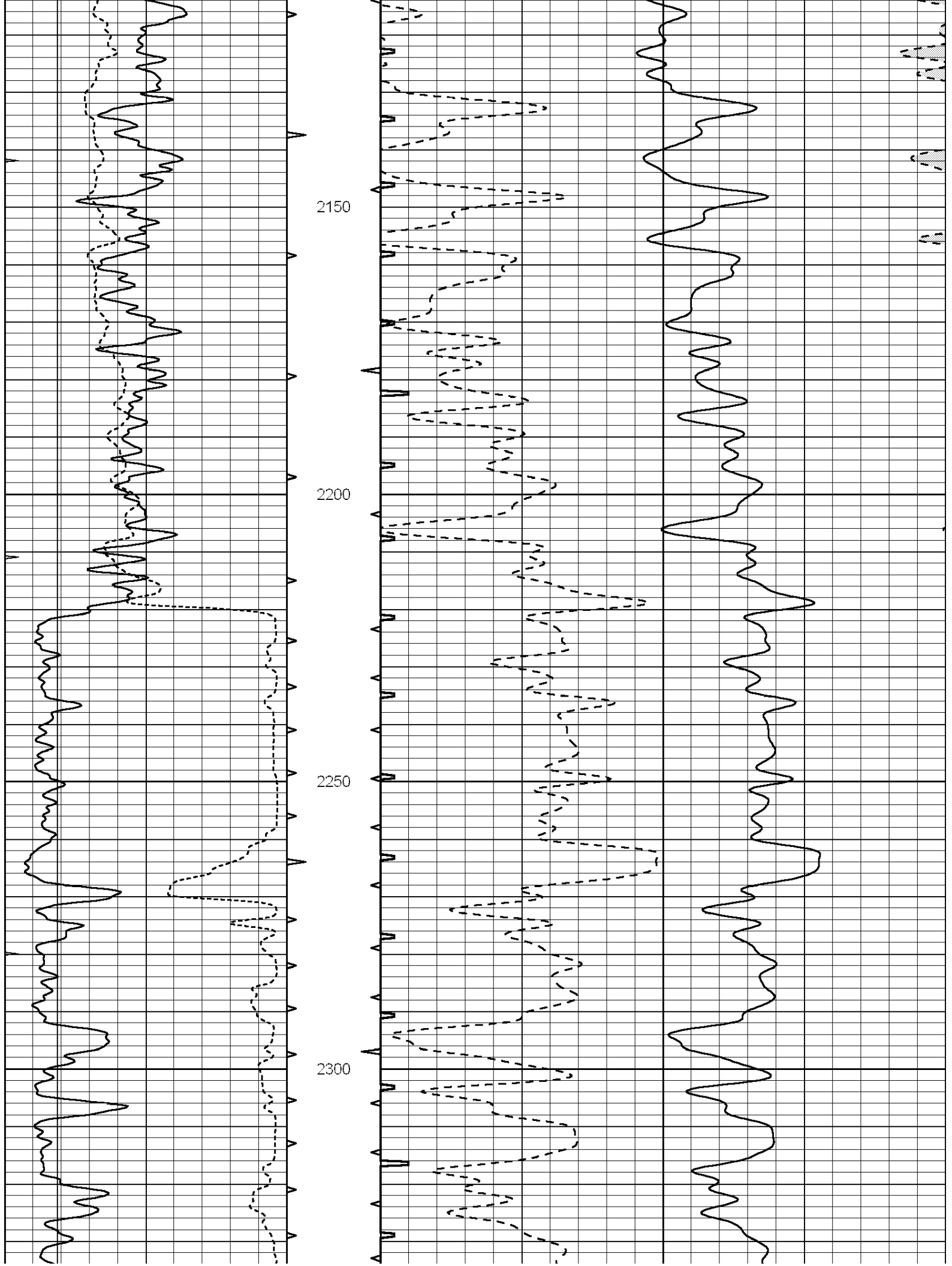
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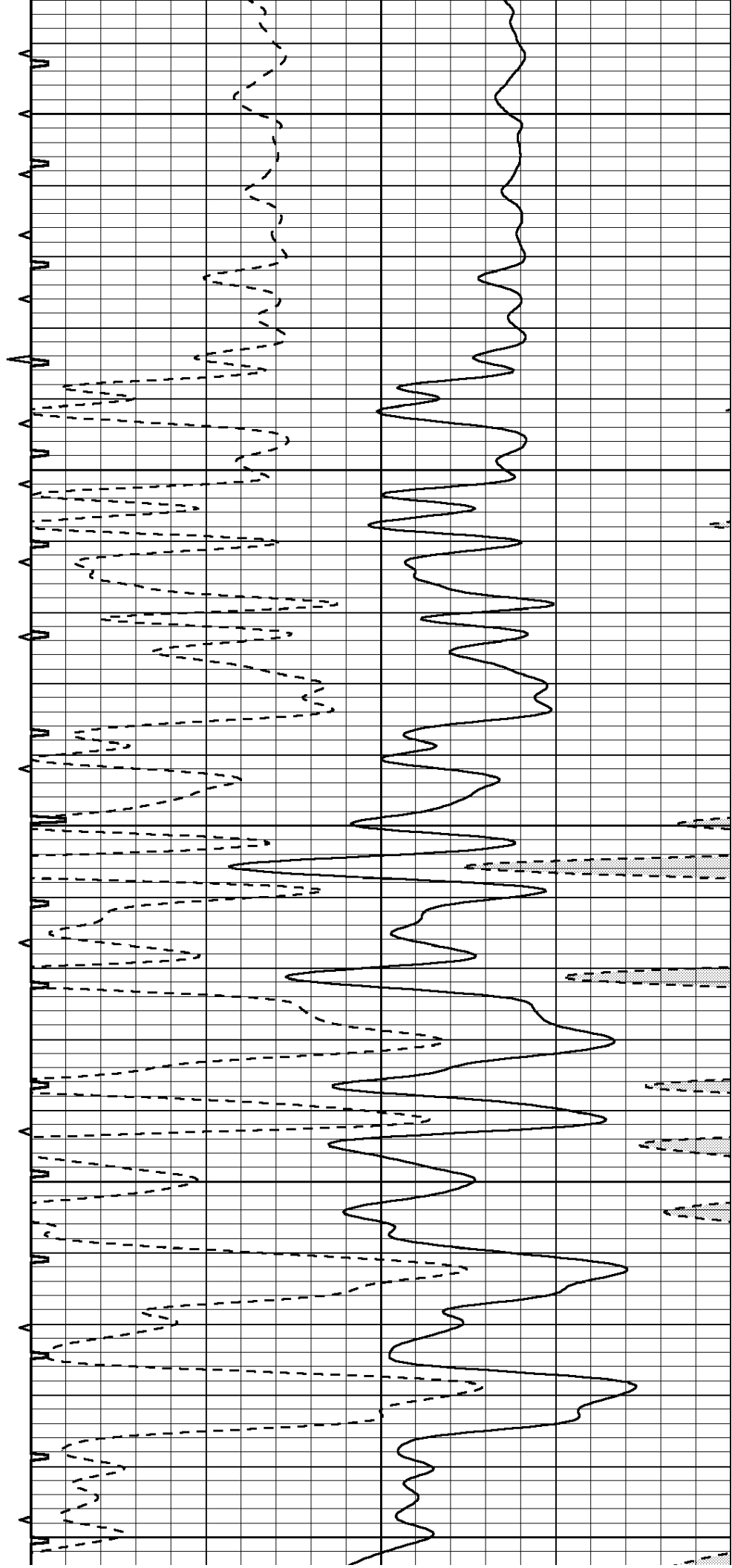
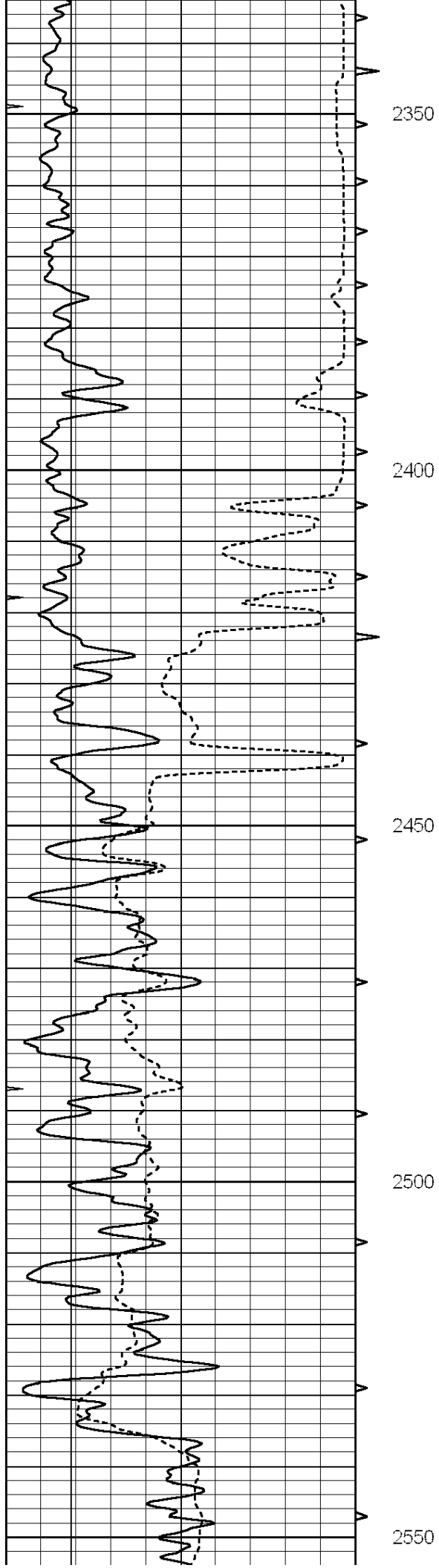
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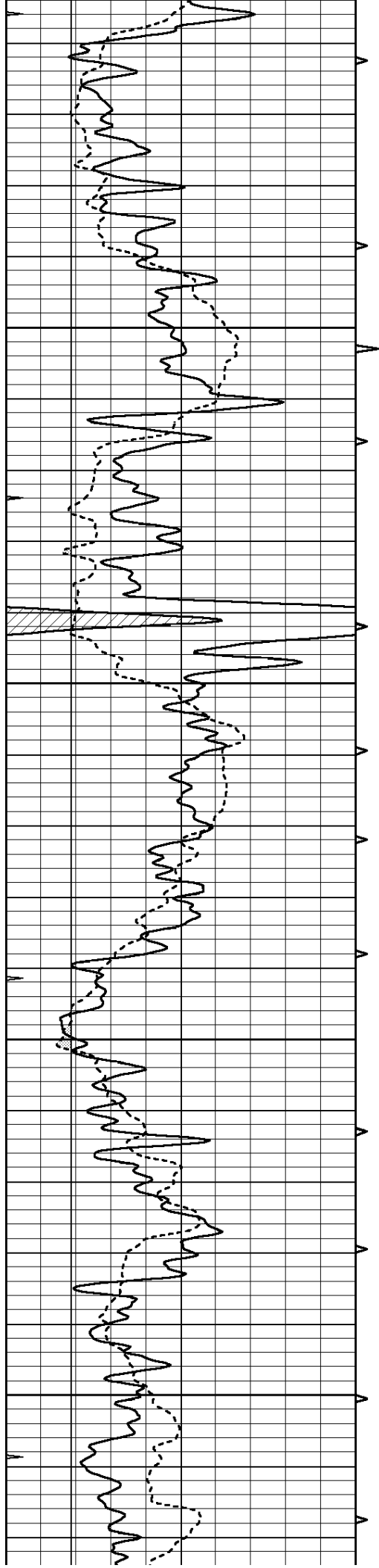










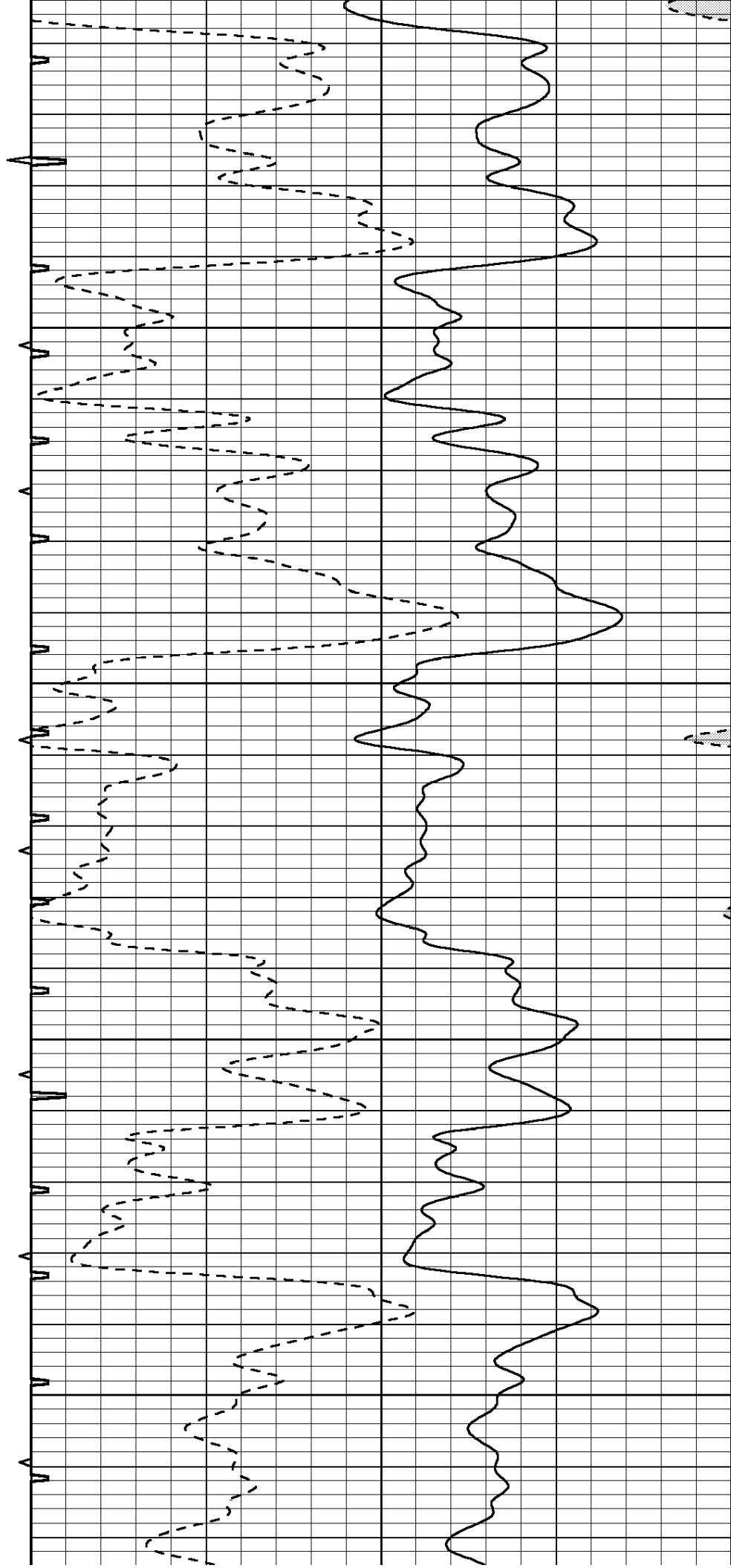


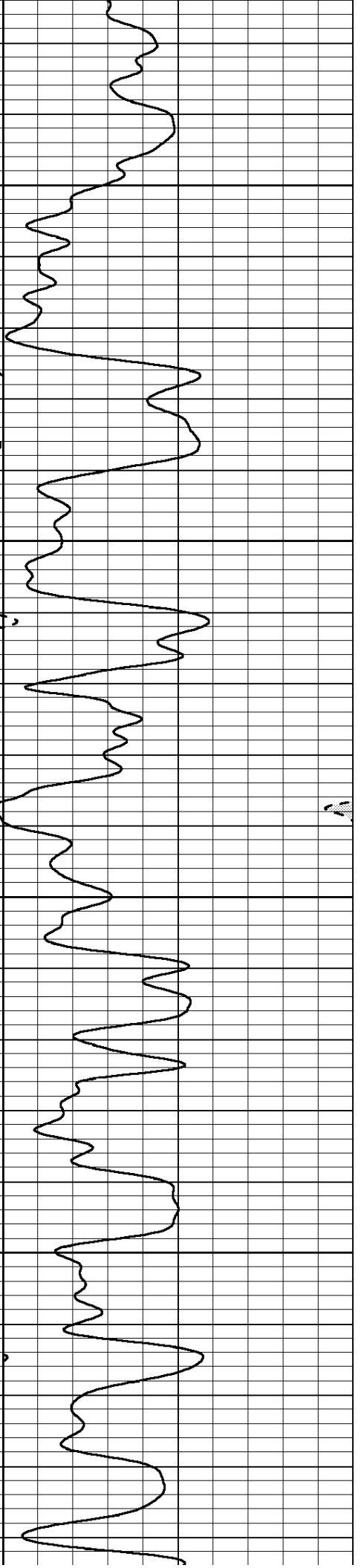
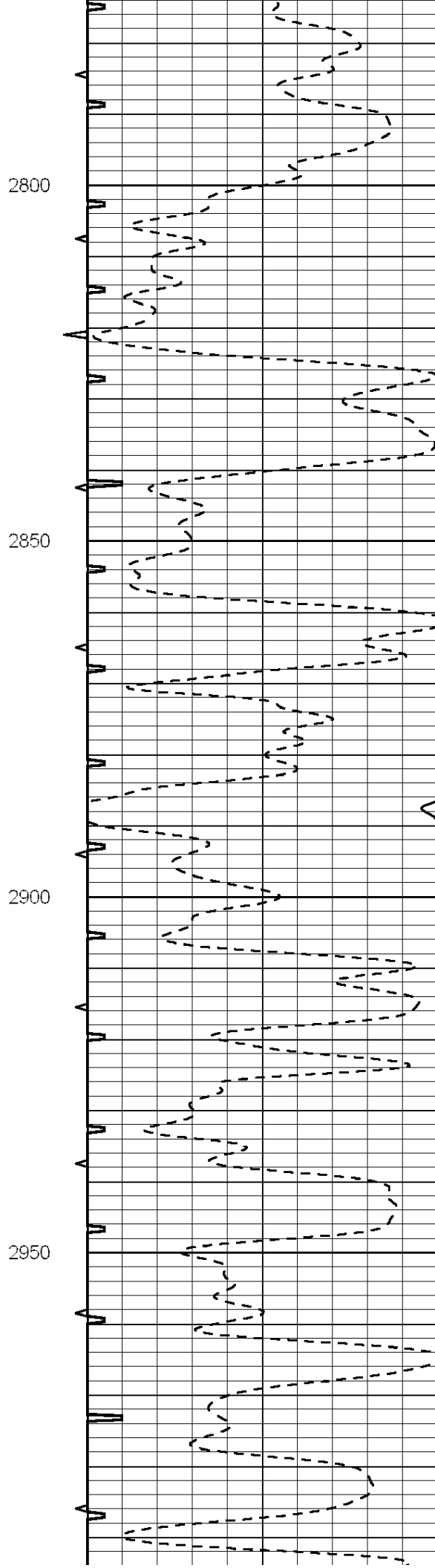
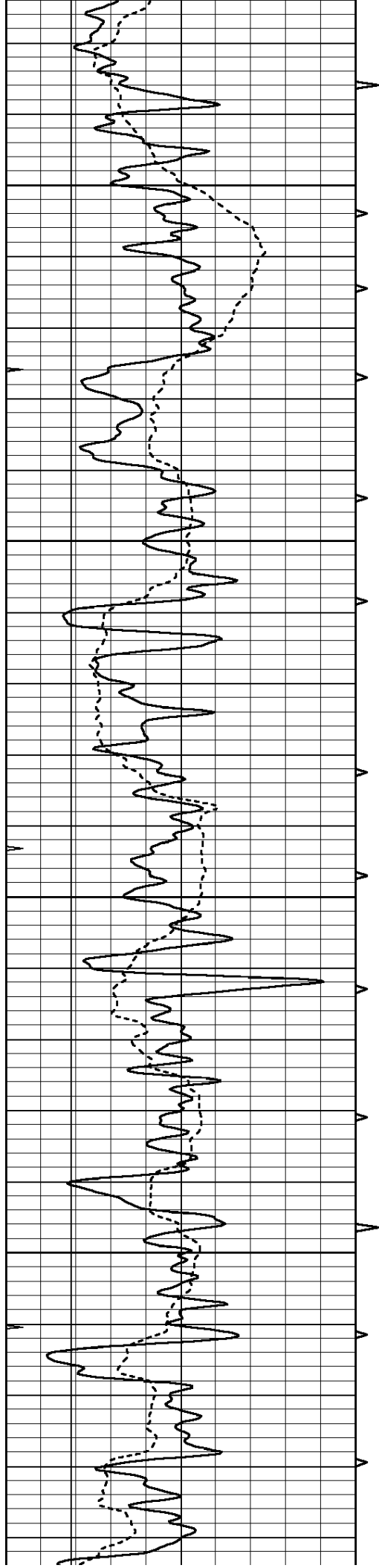
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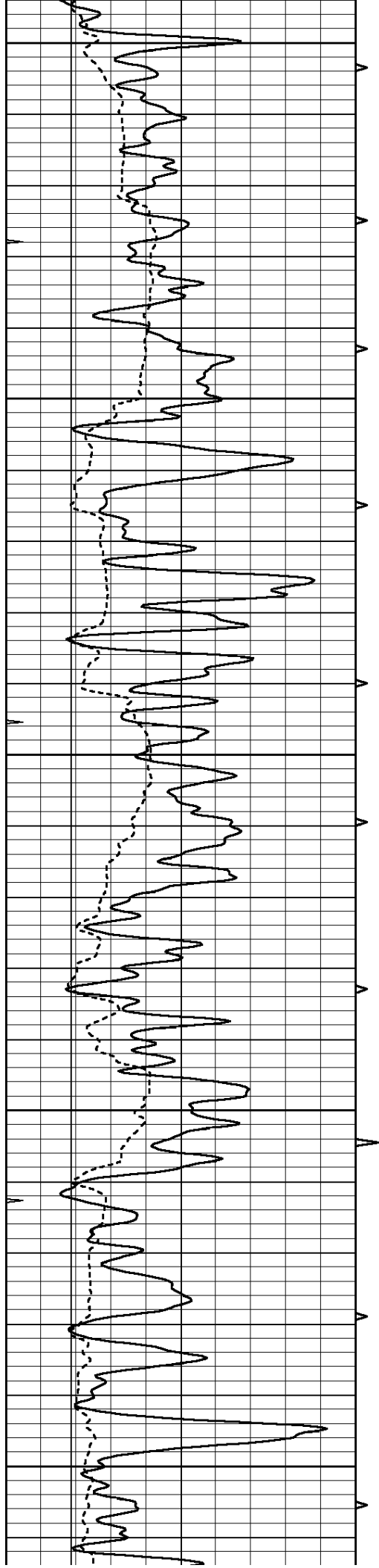
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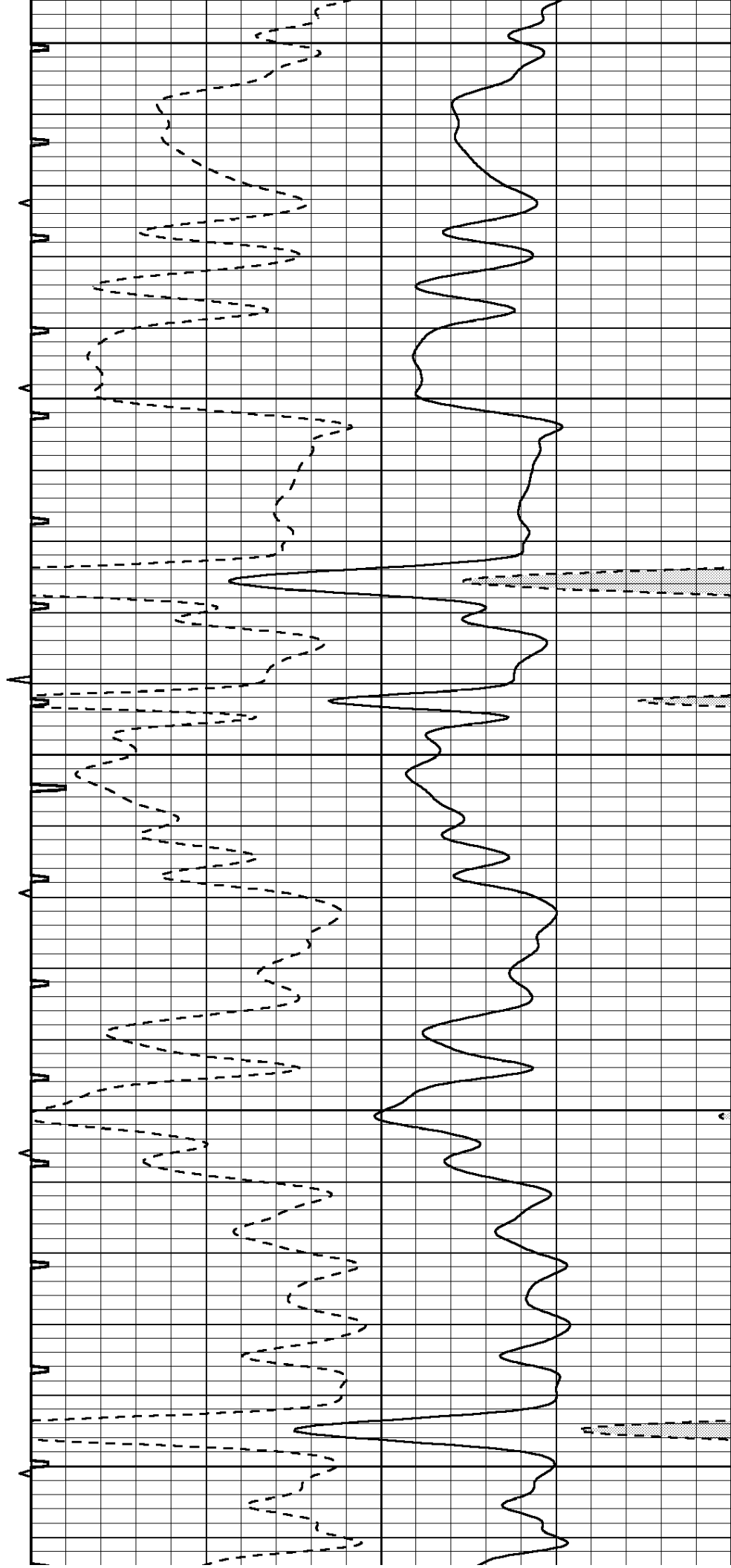
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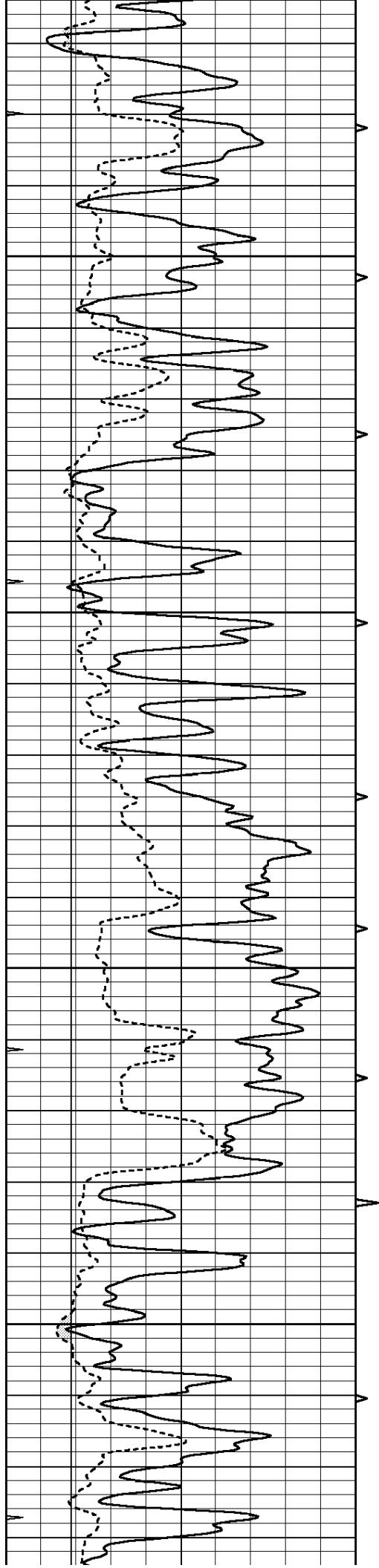
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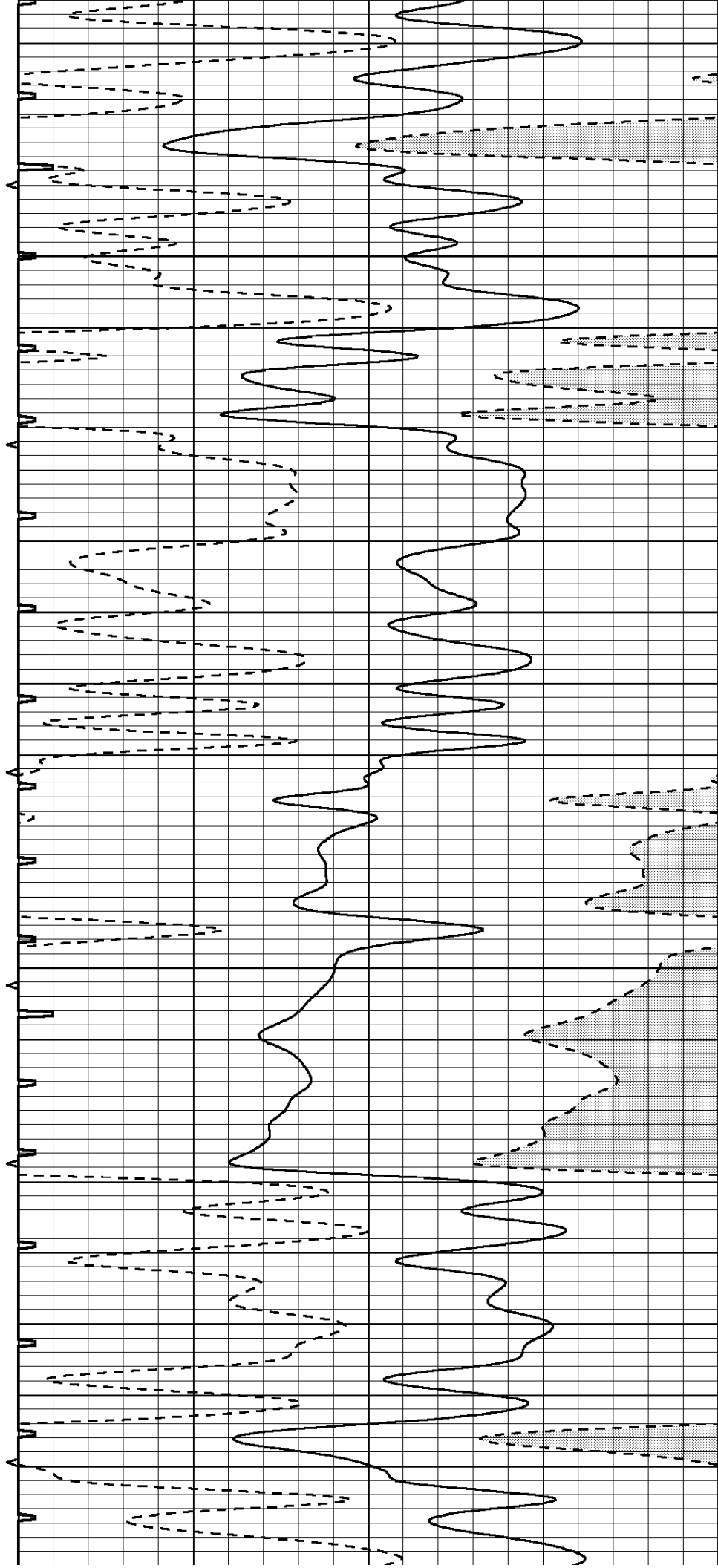


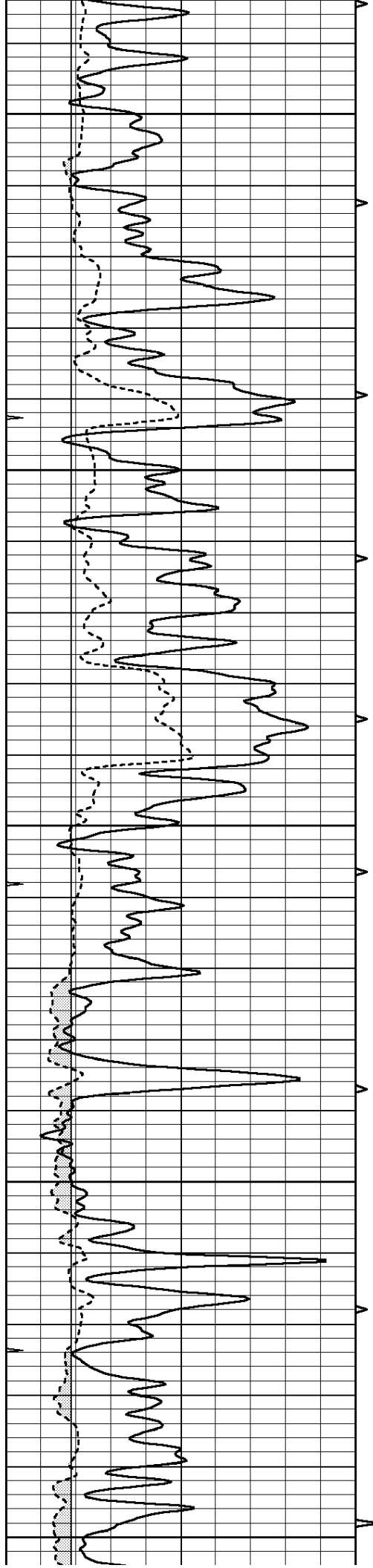
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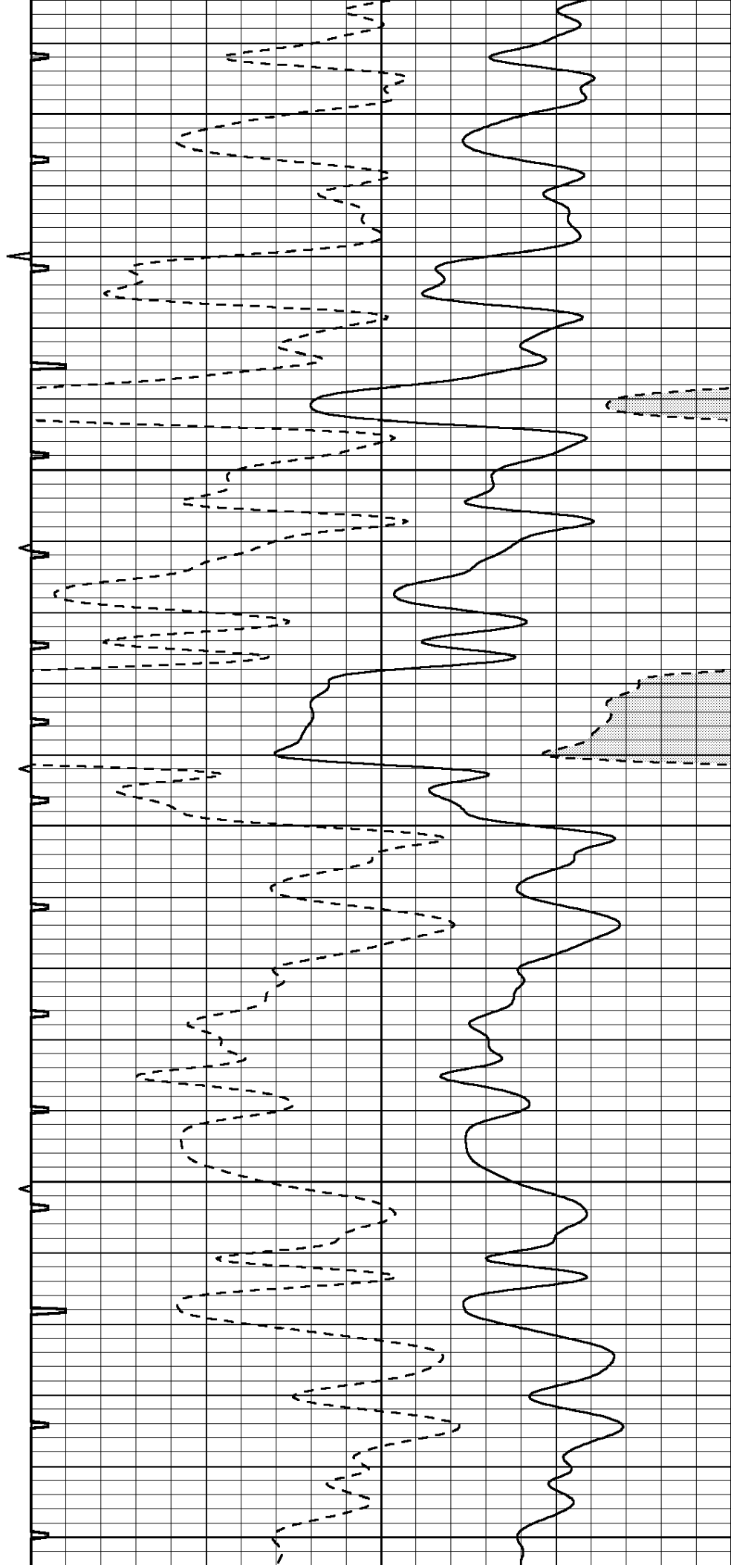
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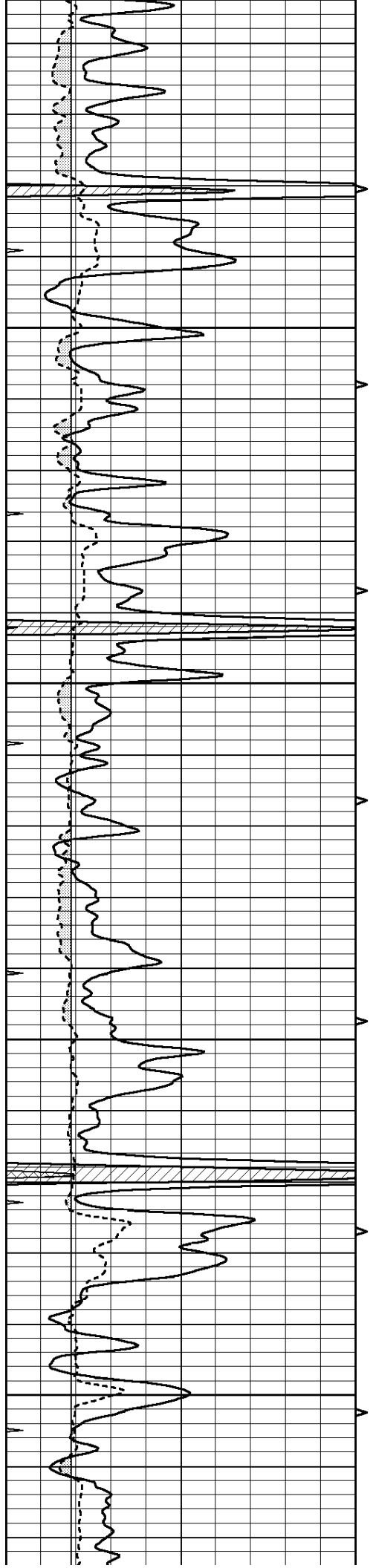
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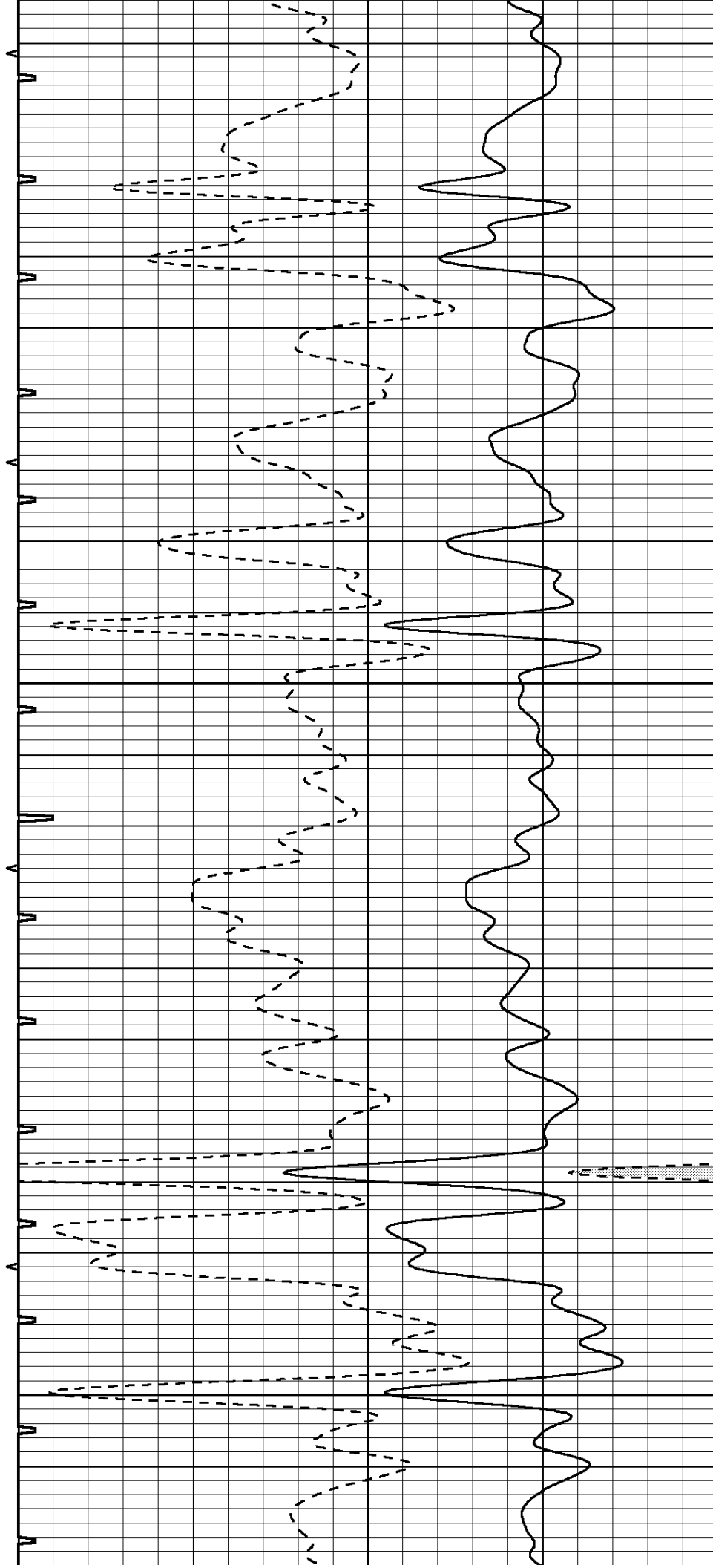


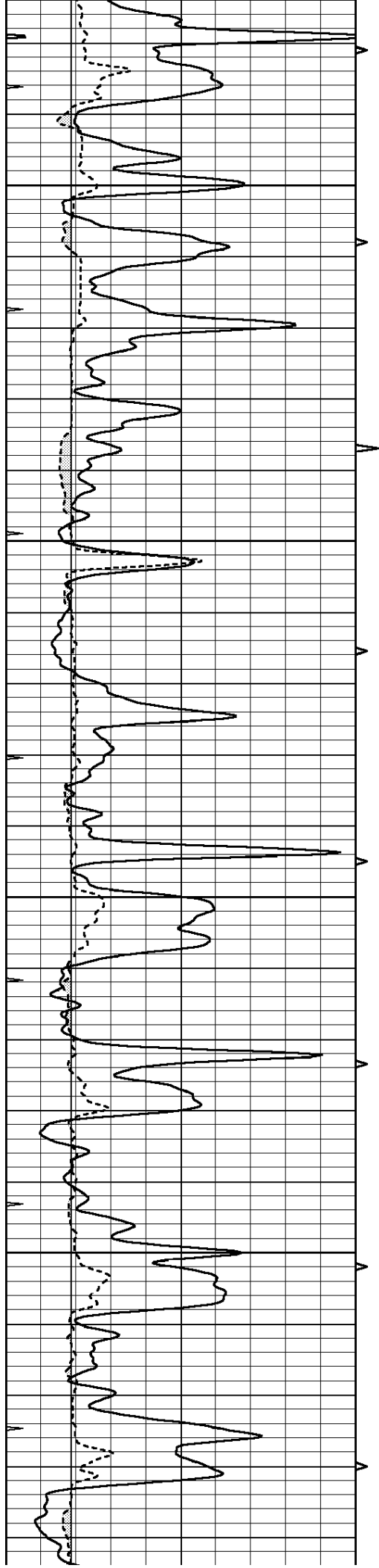
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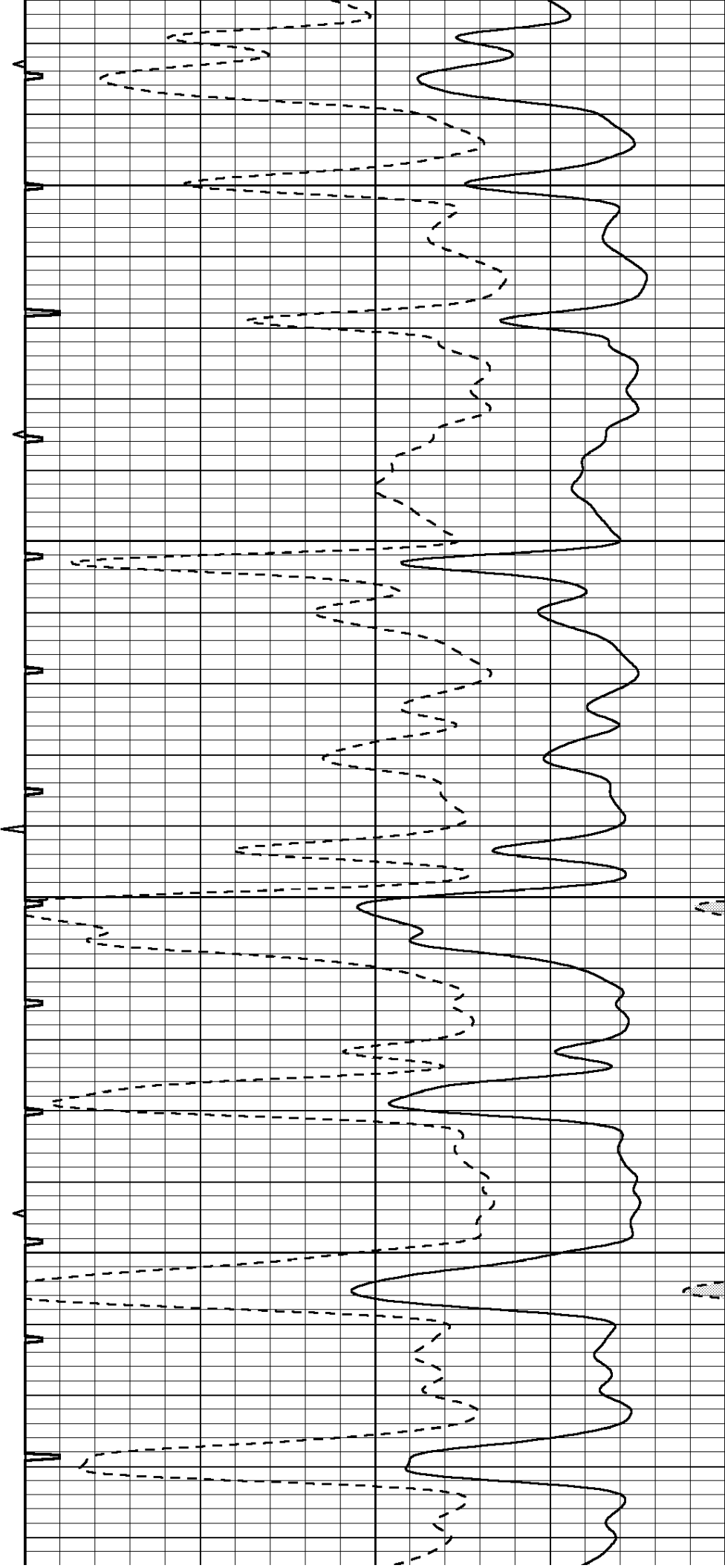


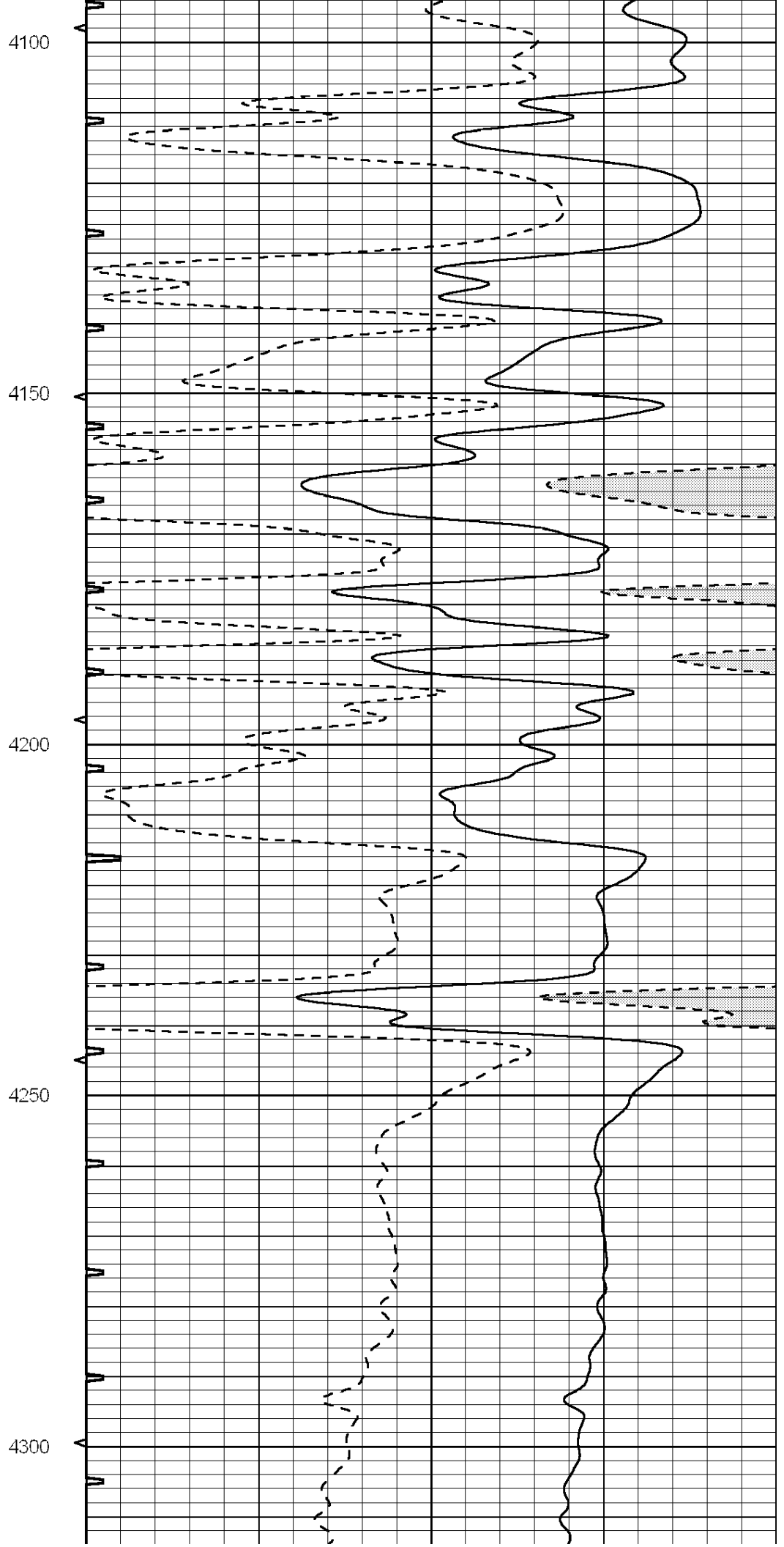
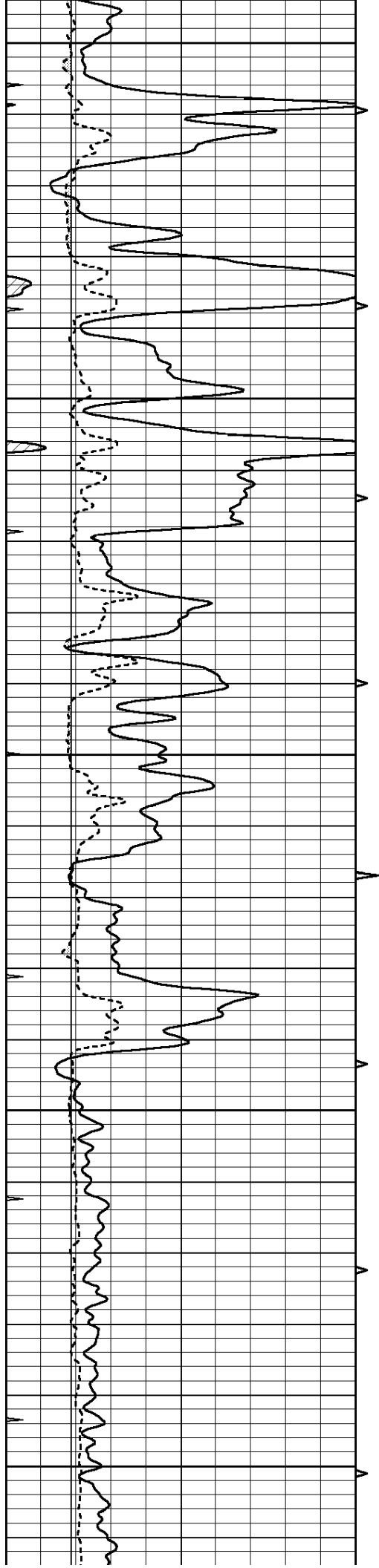
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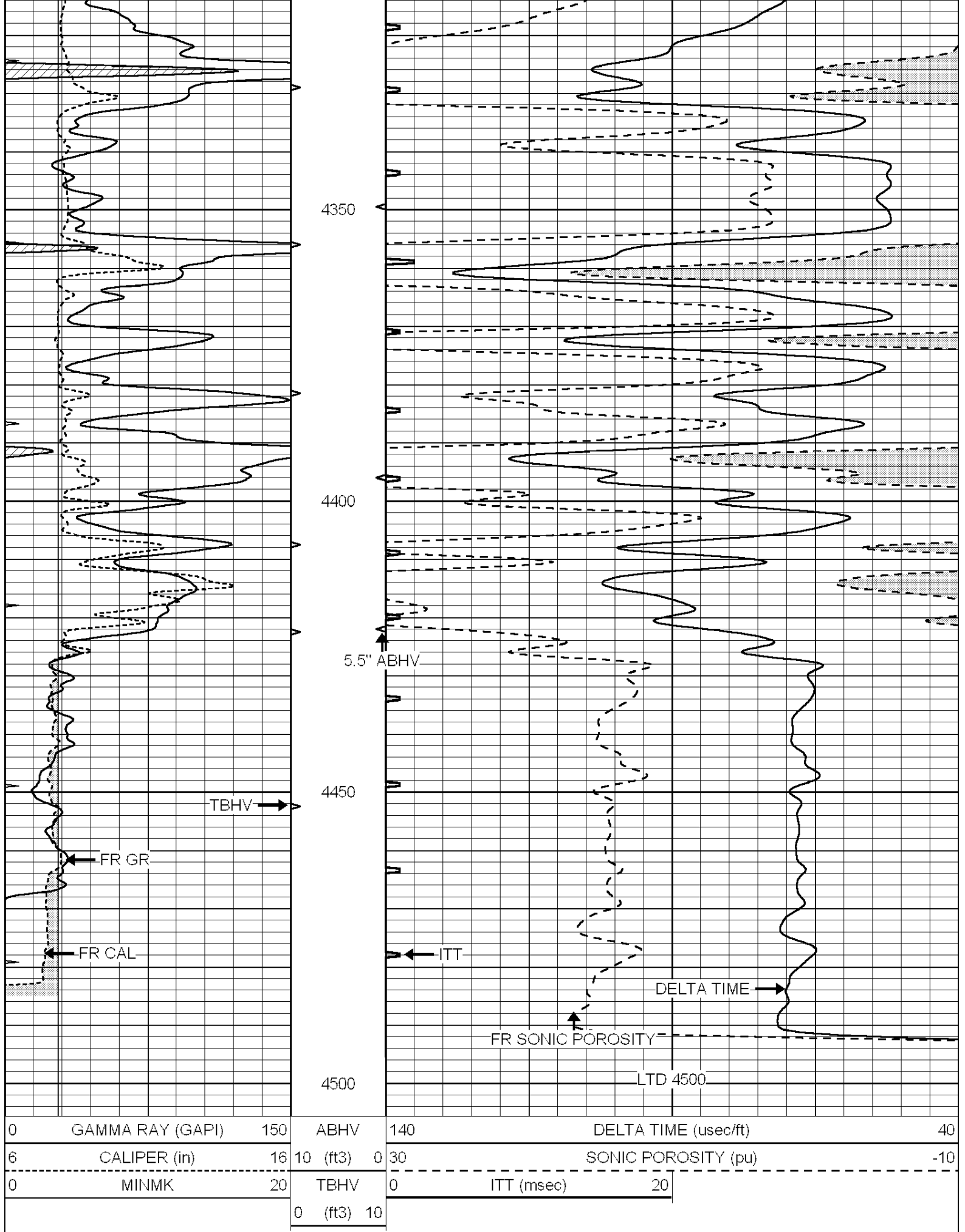
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REPEAT SECTION

Database File: 010007pe.db
 Dataset Pathname: pass5.2
 Presentation Format: slt
 Dataset Creation: Wed Nov 07 08:58:59 2012
 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				

