



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

SONIC LOG

Company		EDISON OPERATING COMPANY, LLC.	
Well	KUHN #1-24		
Field	OSCAR		
County	STAFFORD	State	KANSAS
Location:	AP1 # : 15-185-23870-0000		Other Services CDL/CNL/PE DIL/MEL
Permanent Datum		GROUND LEVEL	Elevation 1923
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	Elevation K.B. 1928 D.F. 1926 G.L. 1923
Date	5/11/14		
Run Number	TWO		
Depth Driller	3923		
Depth Logger	3920		
Bottom Logged Interval	3912		
Top Log Interval	400		
Casing Driller	8 5/8"@454'		
Casing Logger	454		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 14,000 PPM	
Density / Viscosity	8.9/43		
pH / Fluid Loss	9.0/12.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.300@90F		
Rmf @ Meas. Temp	.225@90F		
Rmc @ Meas. Temp	.360@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.235@115F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	2:15 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ADAM NIGHSWONGER		

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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
SEWARD, KS. & K-19, 2W. ON HWY 19 TO "RD. 40", 2S., S.E. INTO @CORNER

Database File:

24151pe.db

Dataset Pathname:

pass6.21

Presentation Format:

slt

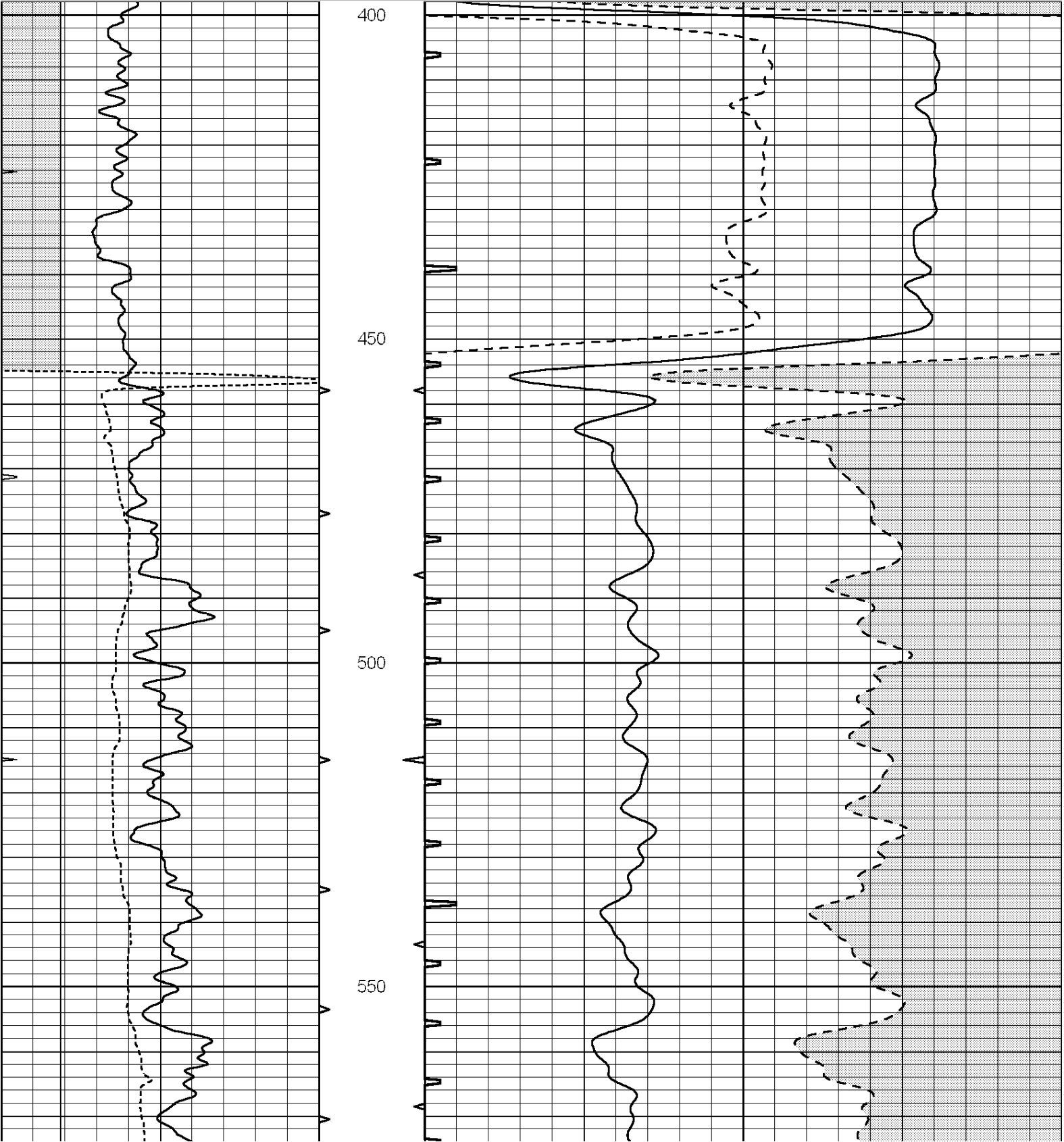
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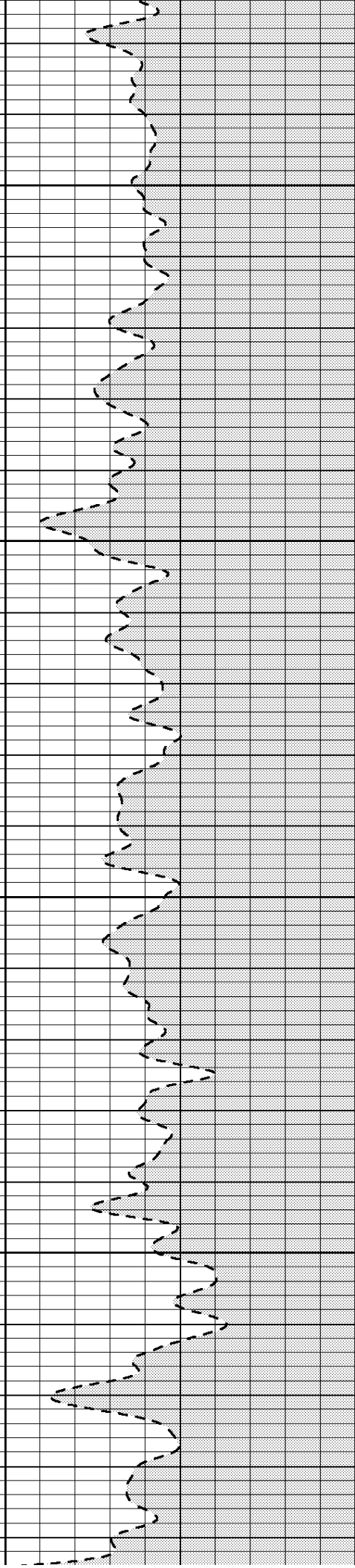
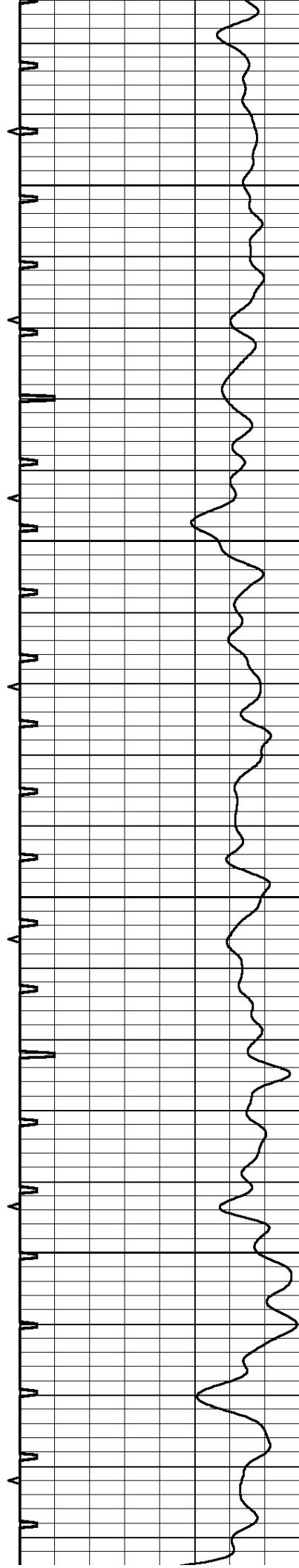
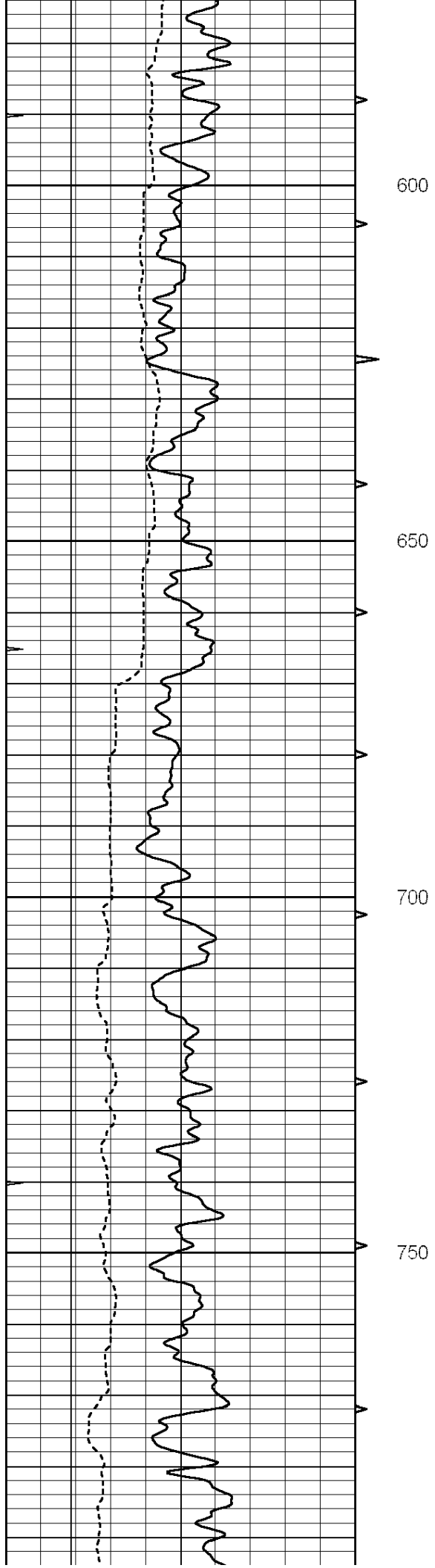
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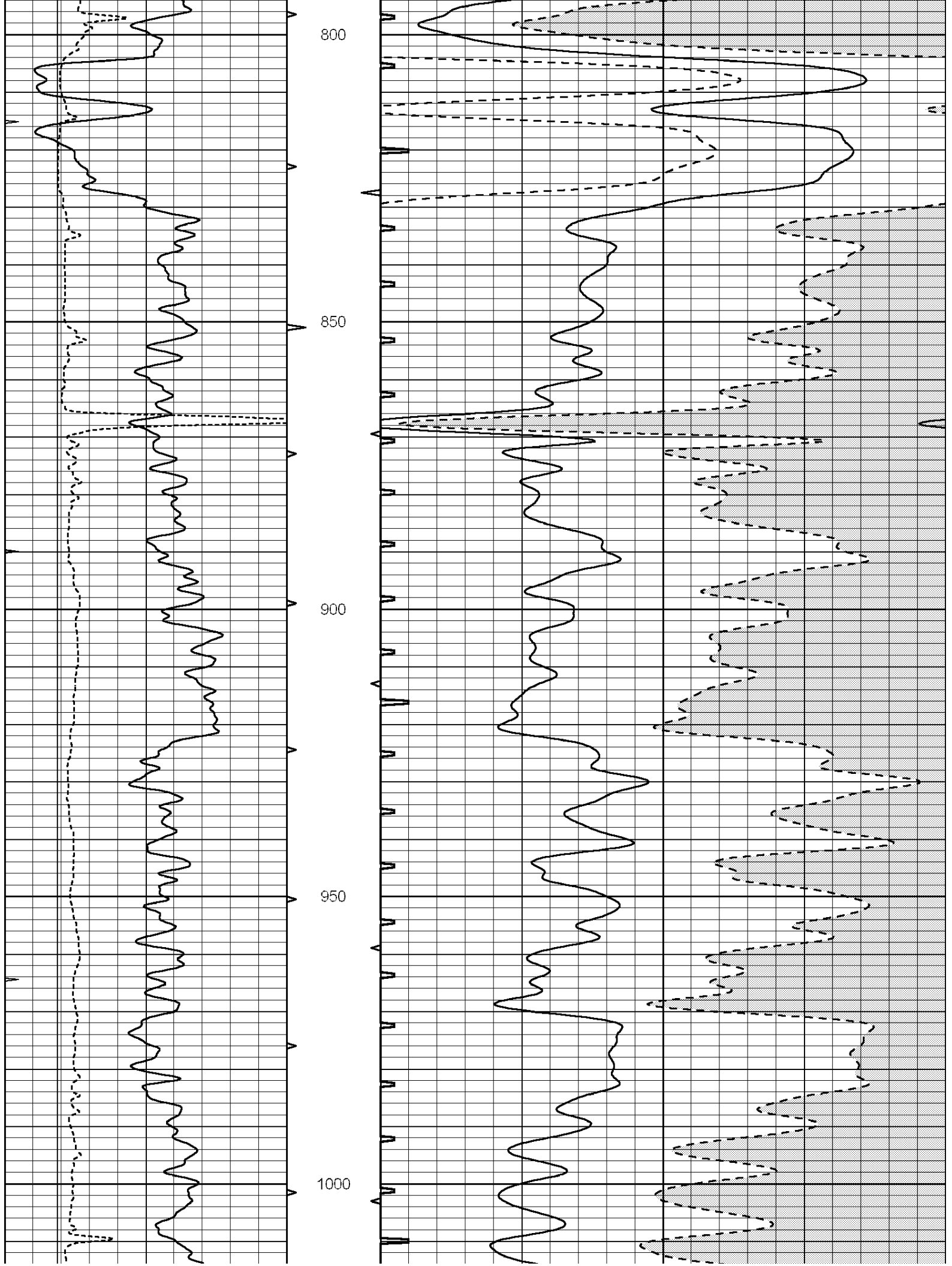
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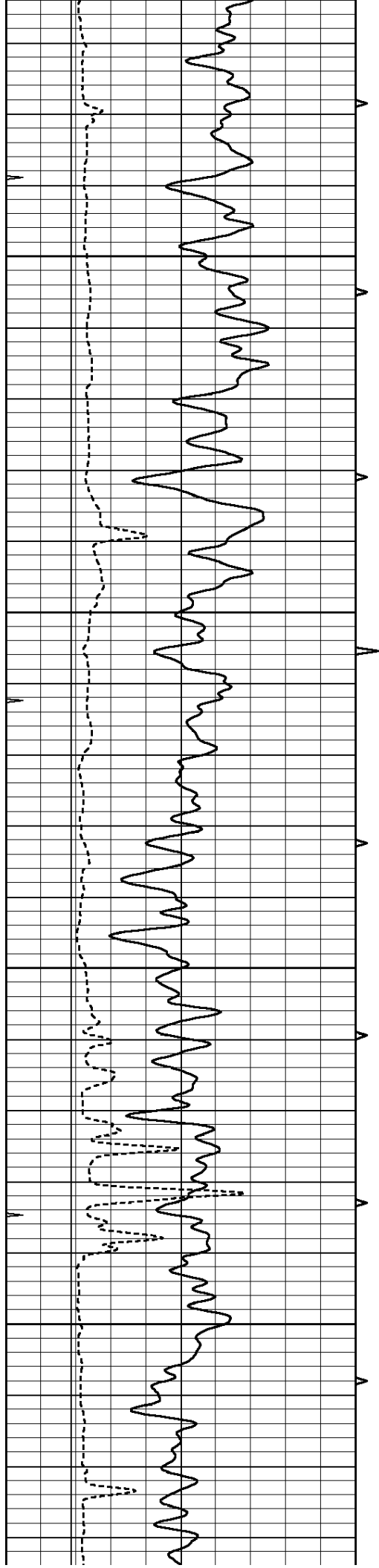
Depth in Feet scaled 1:240

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				







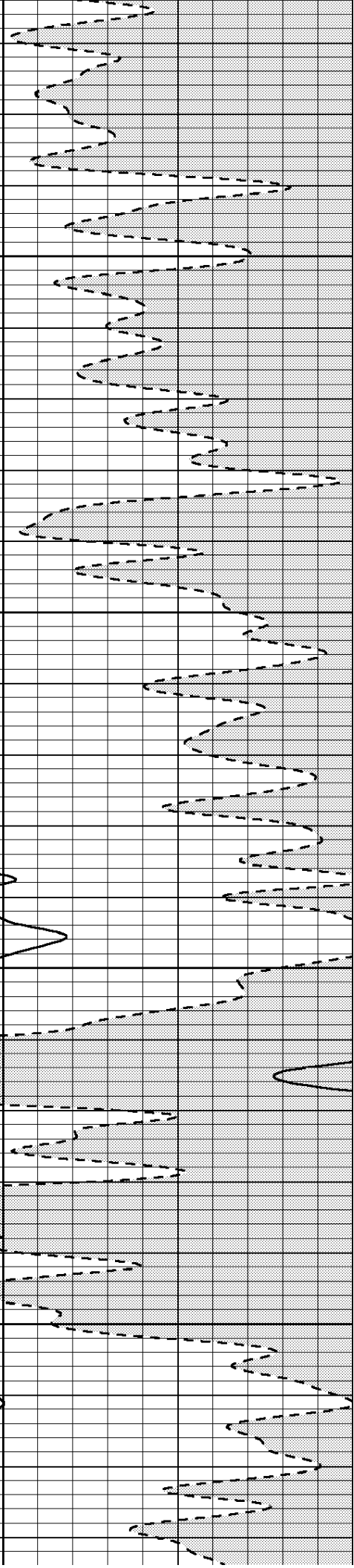
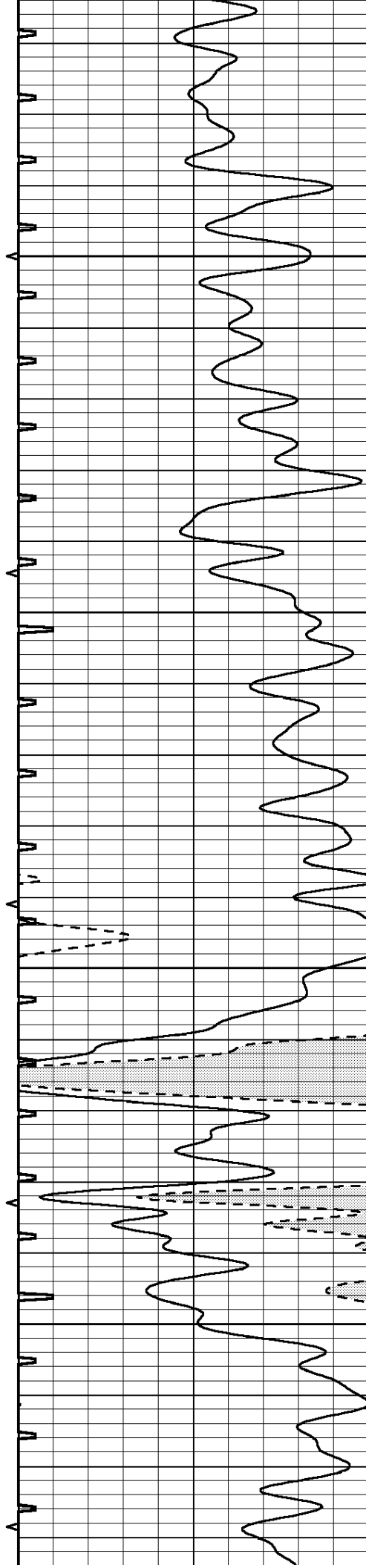


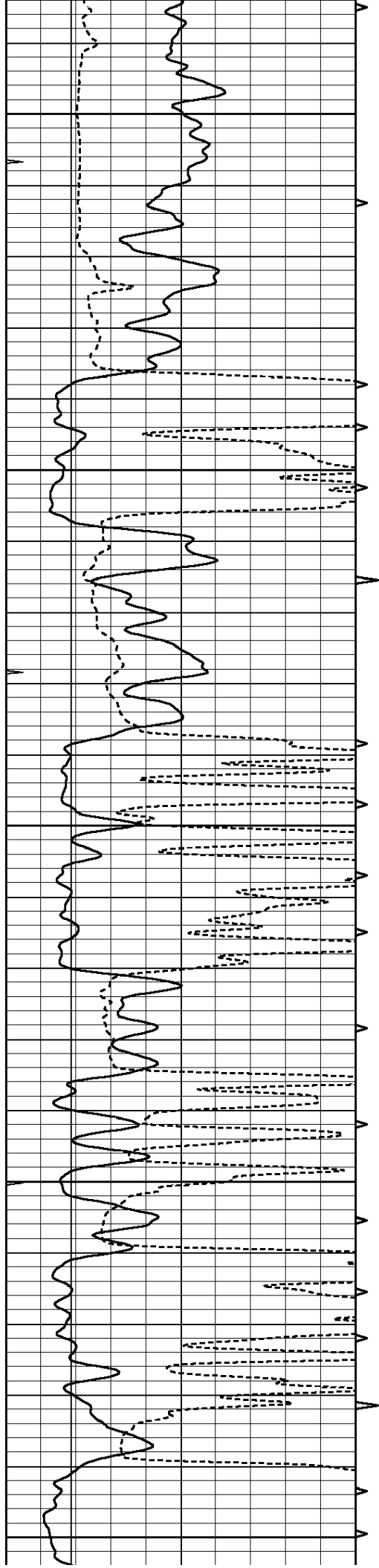
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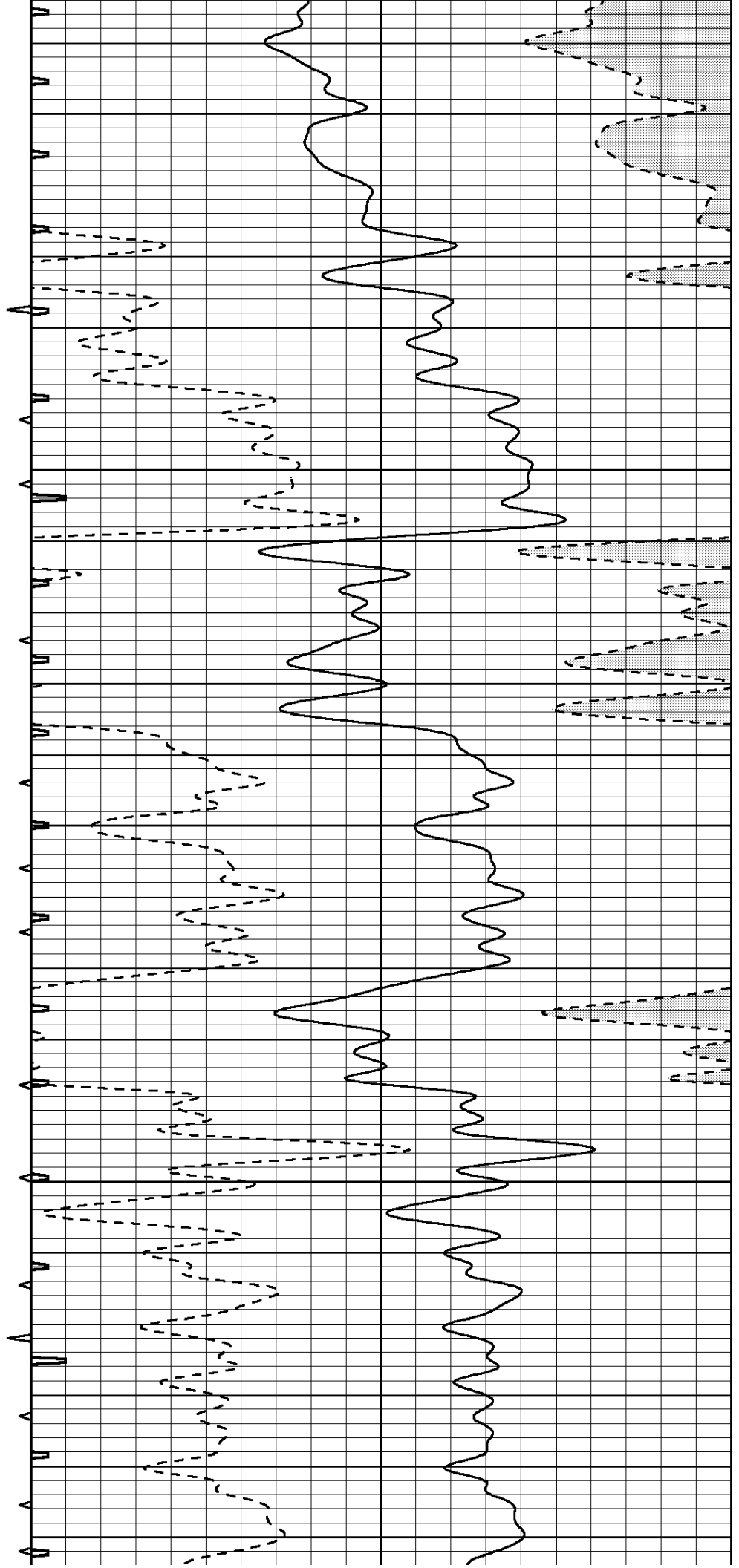
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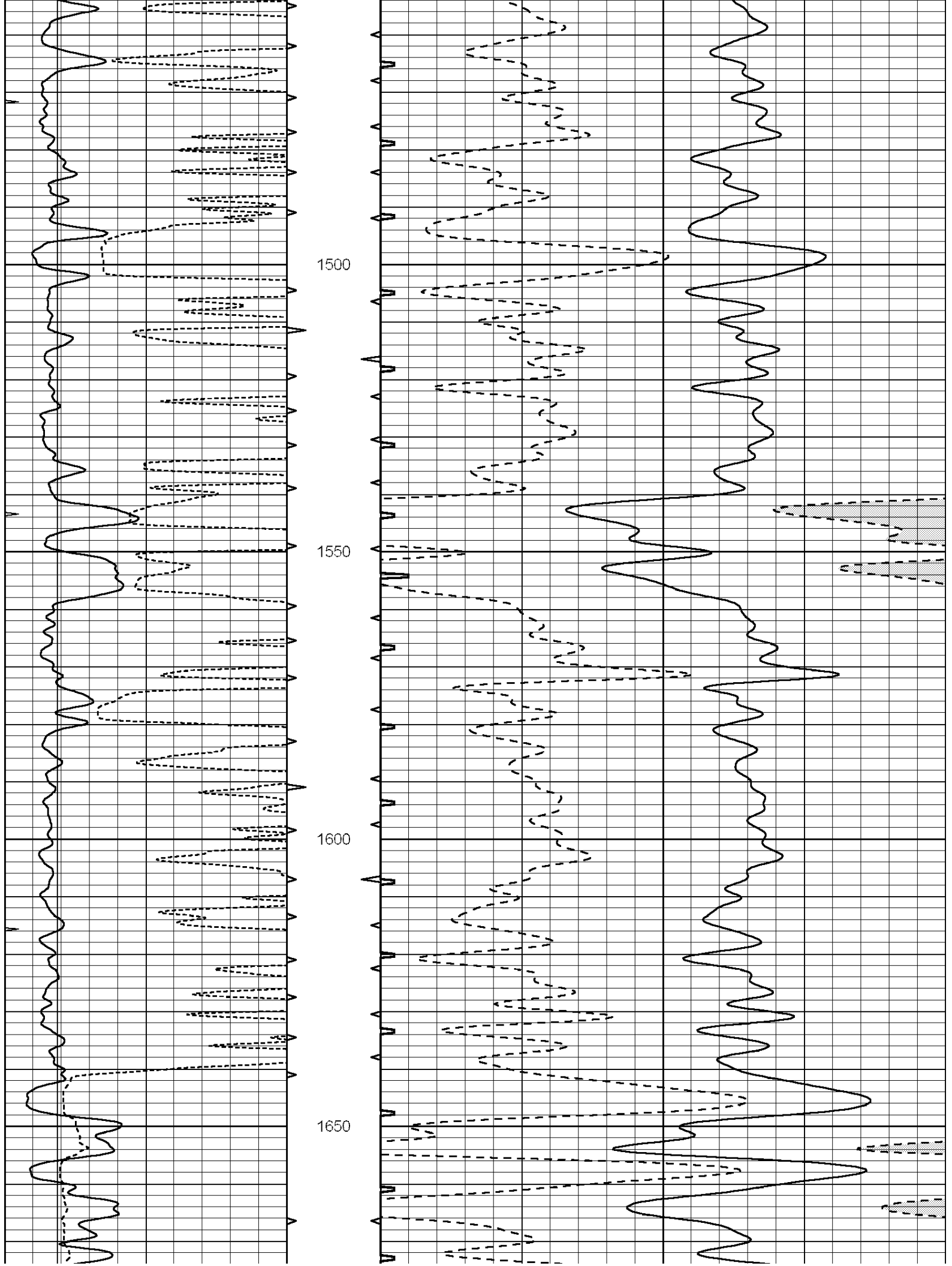
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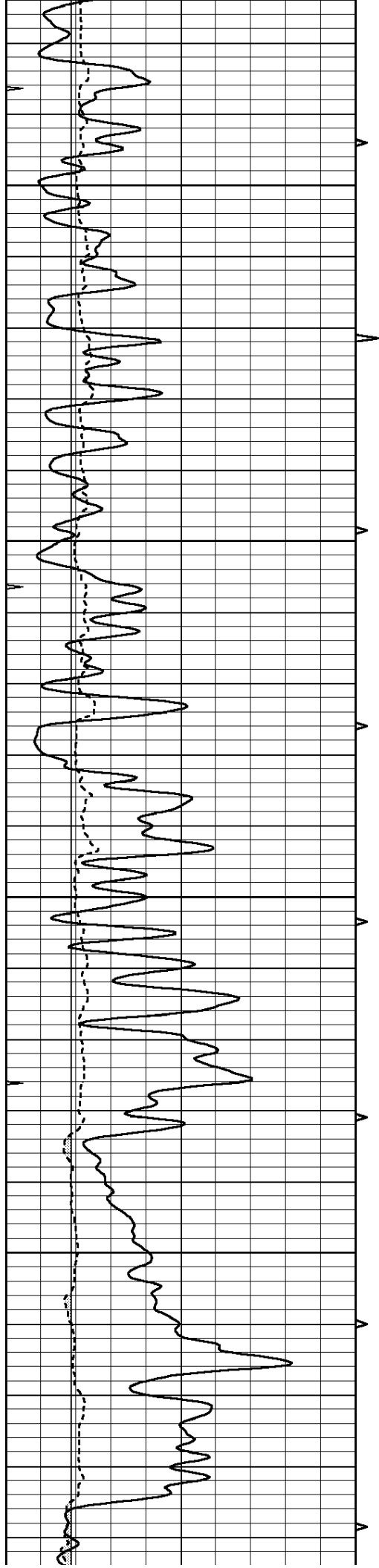
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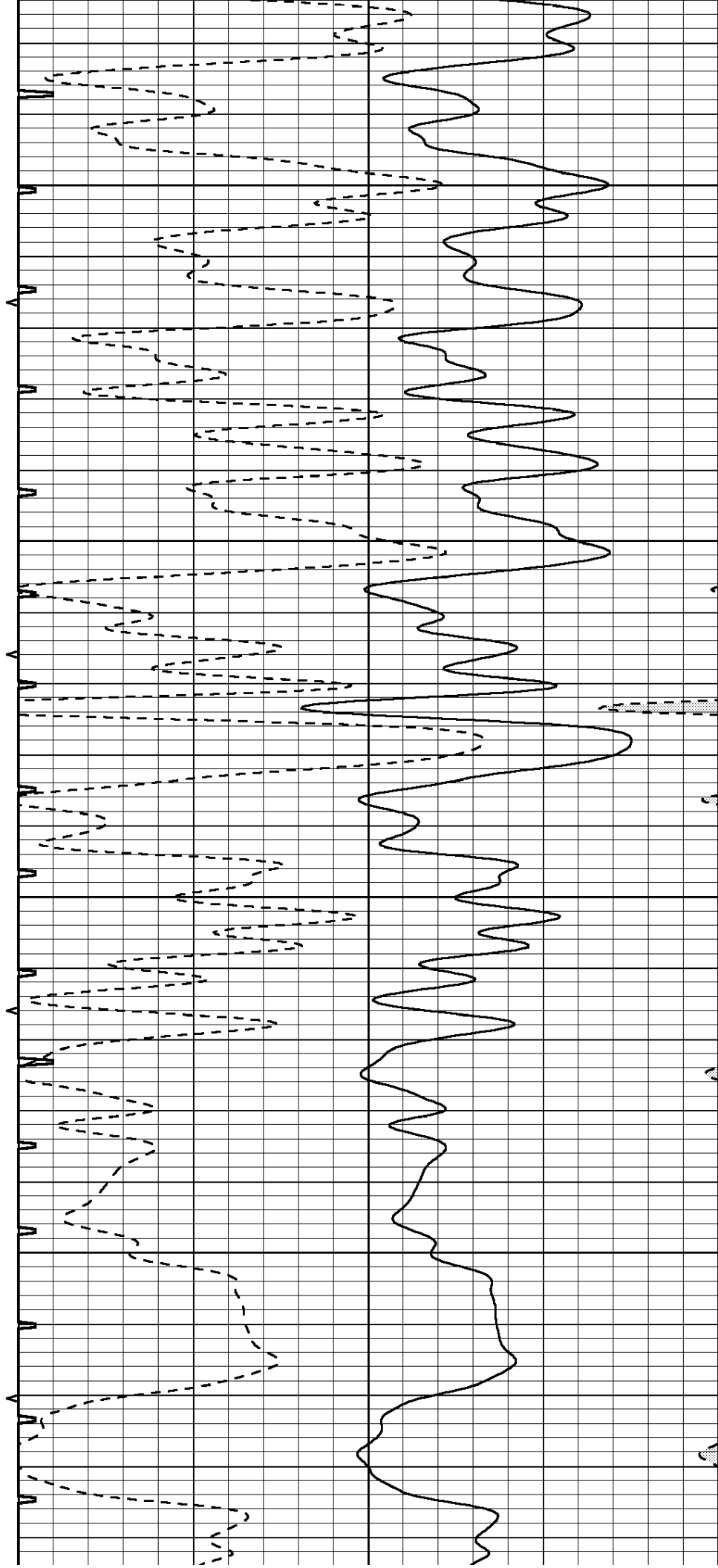


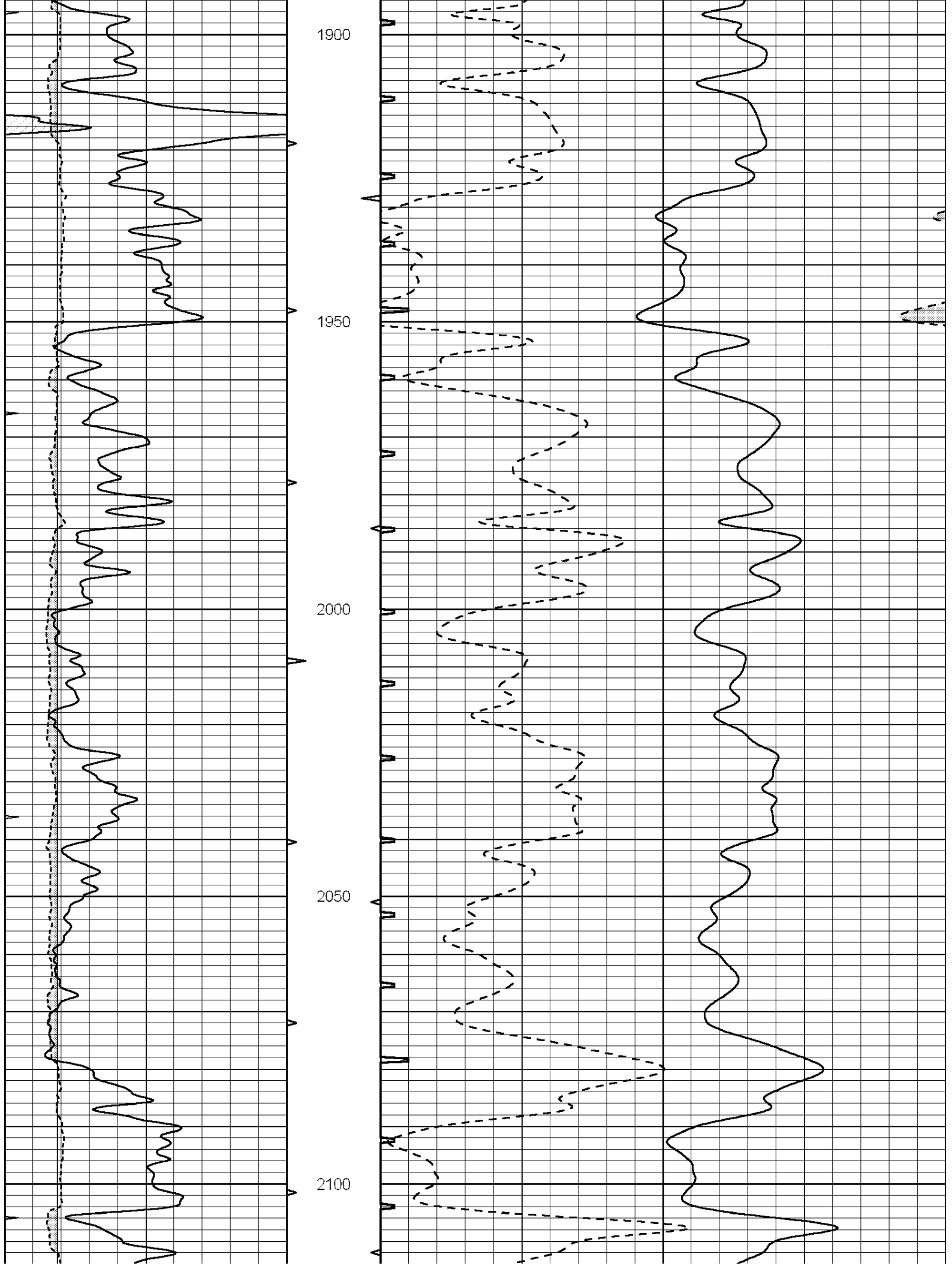
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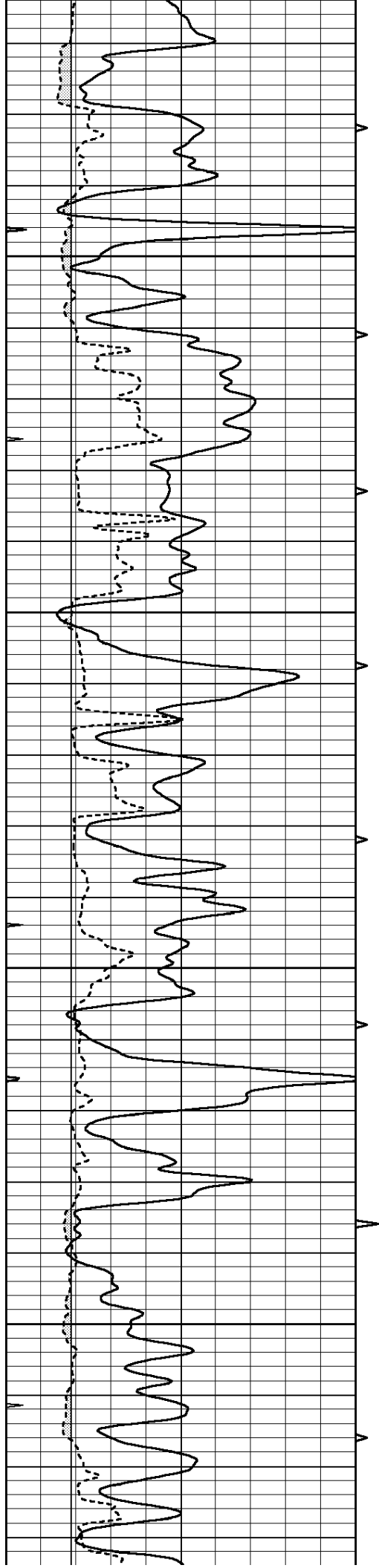
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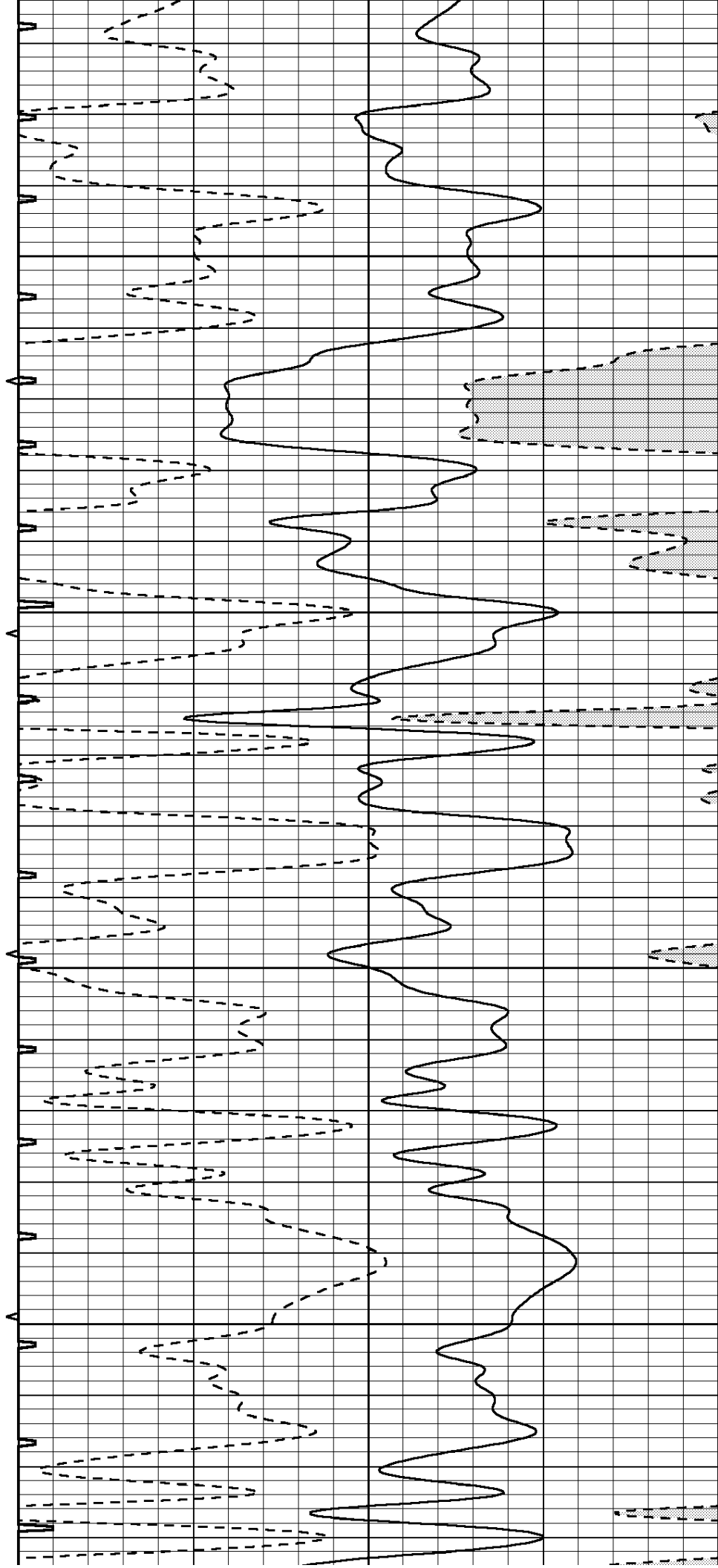


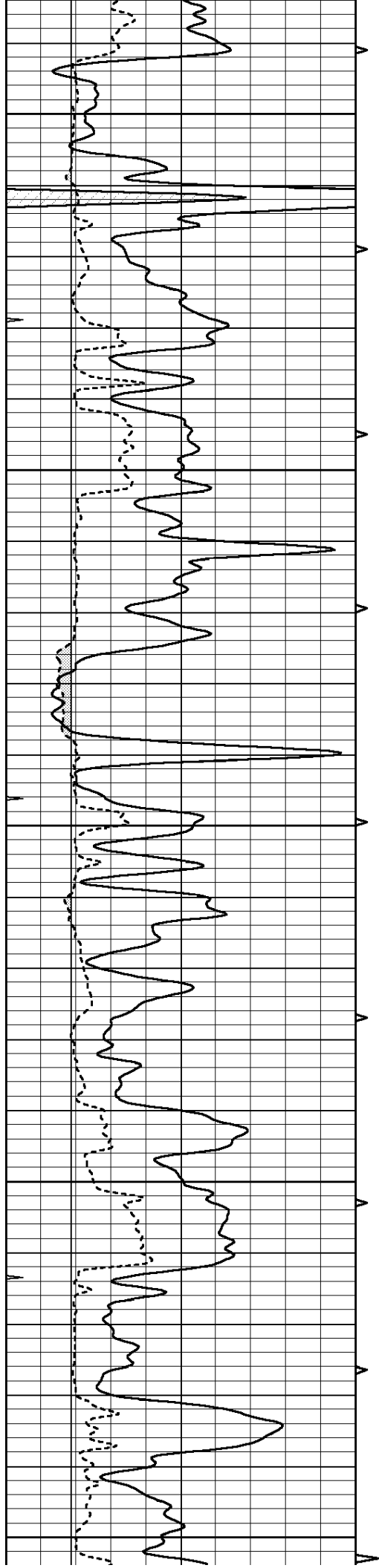
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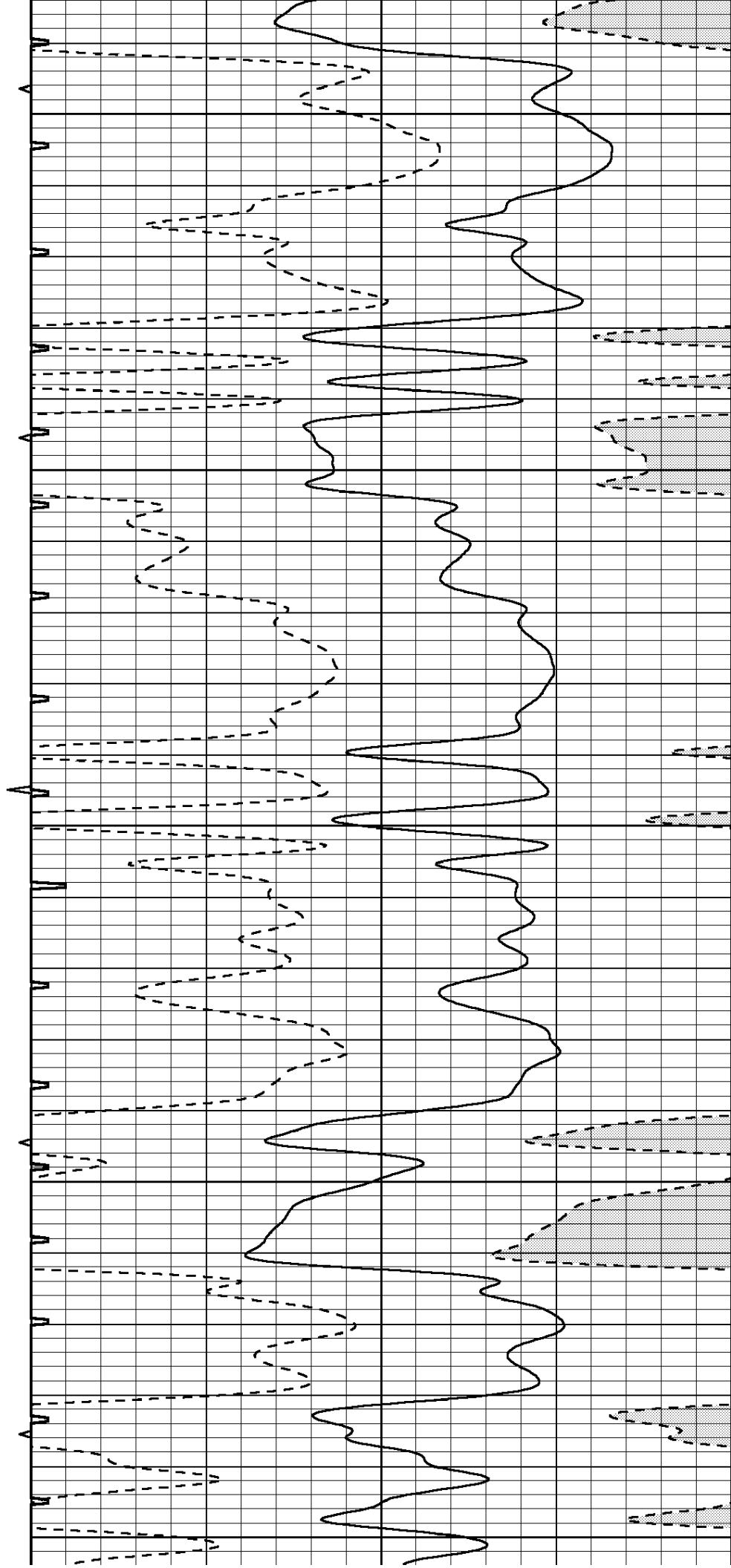
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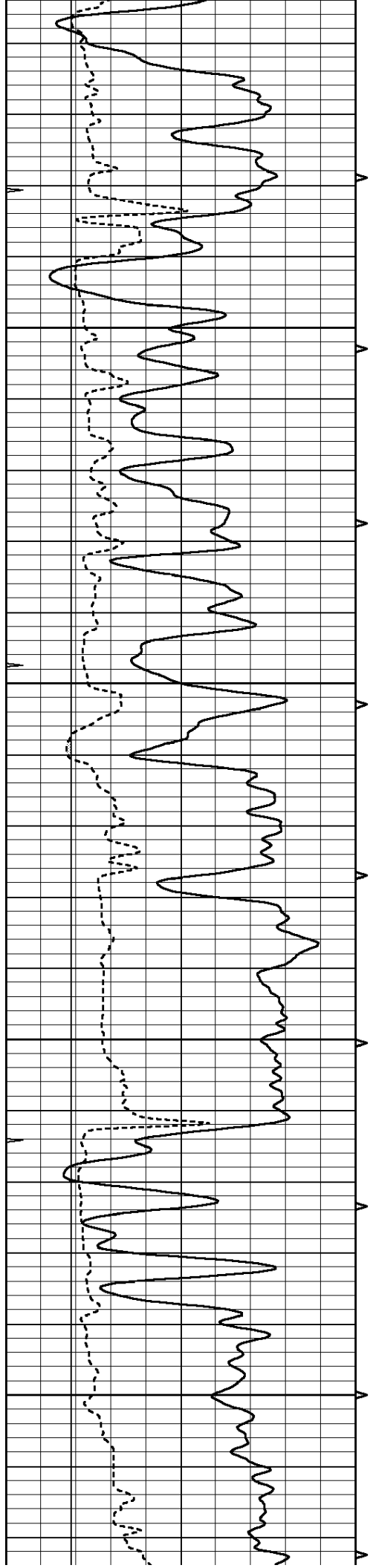
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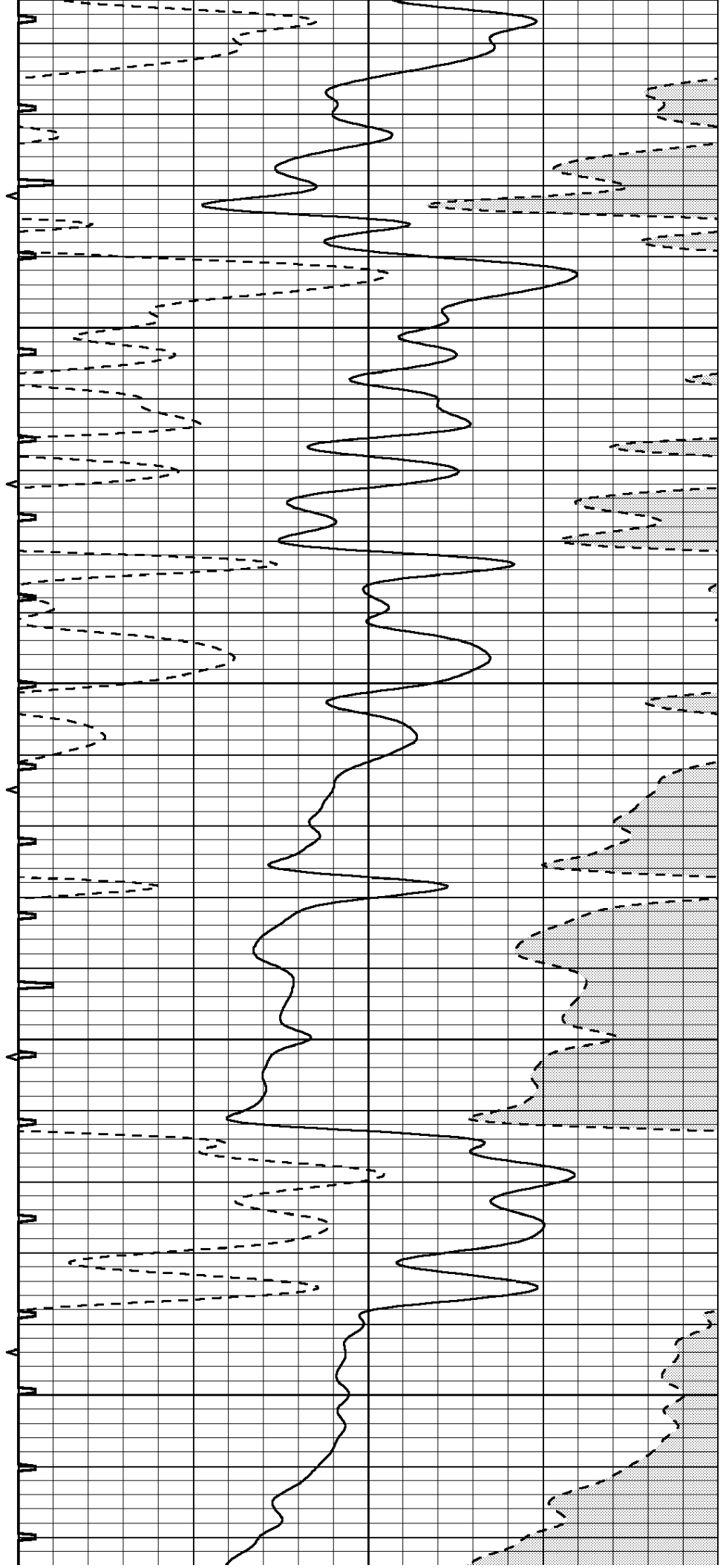


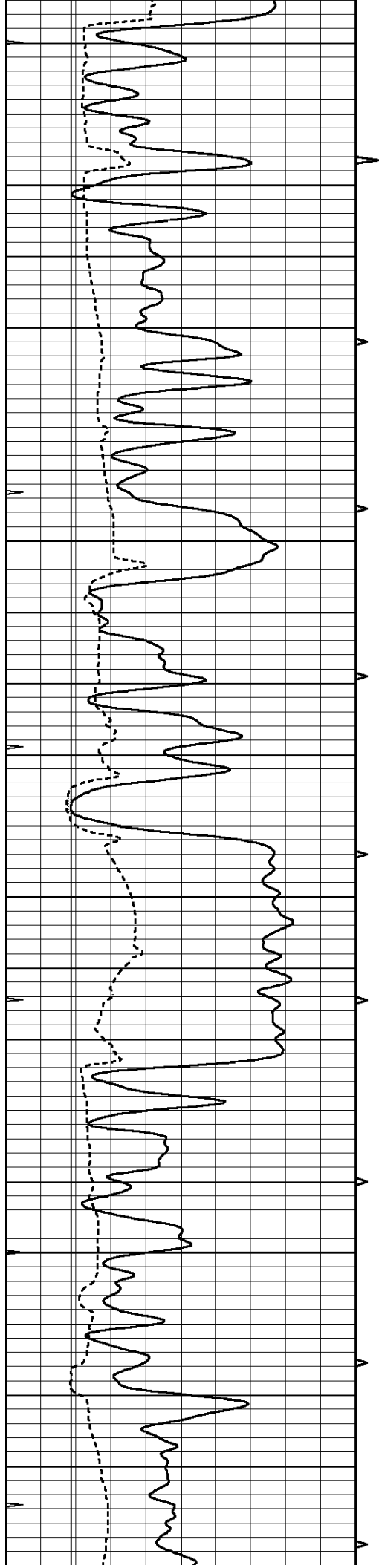
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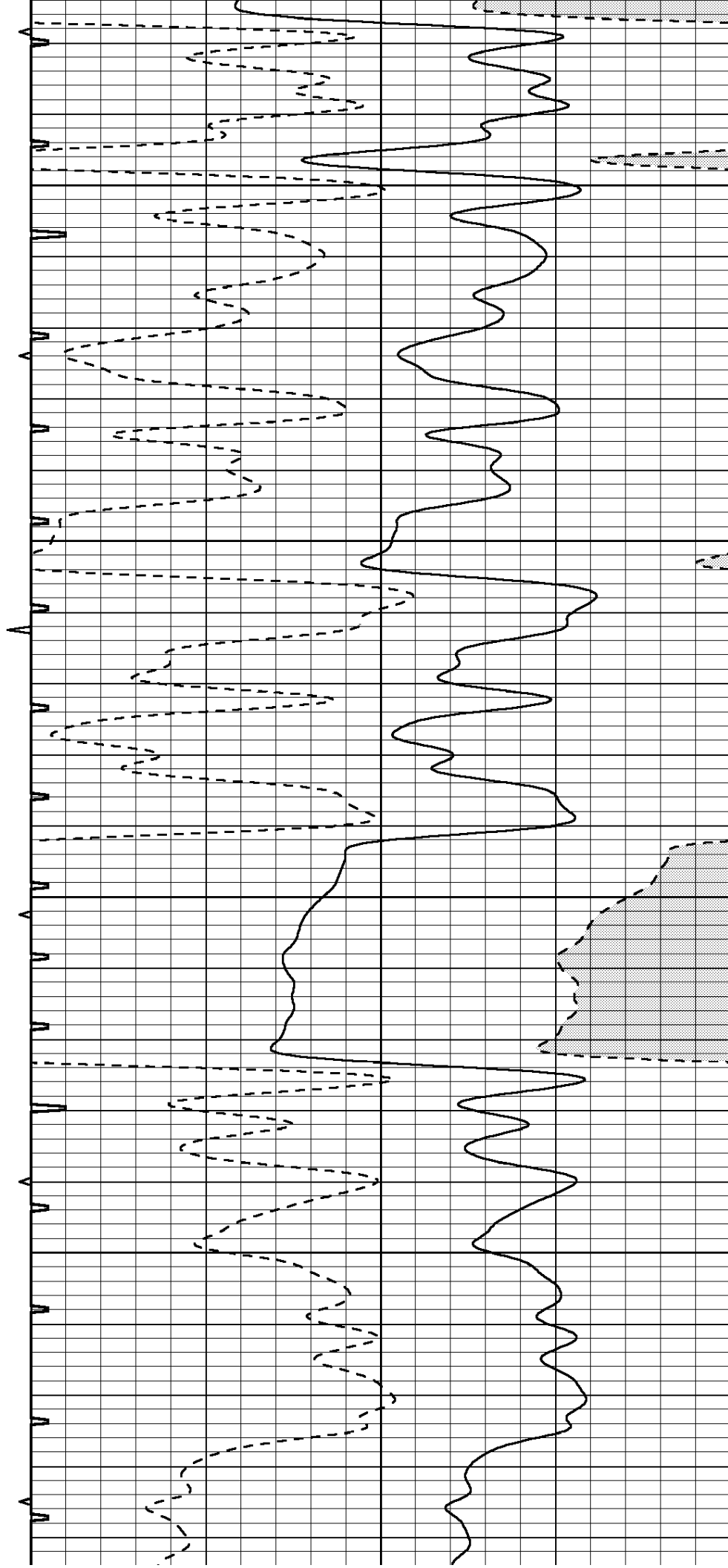


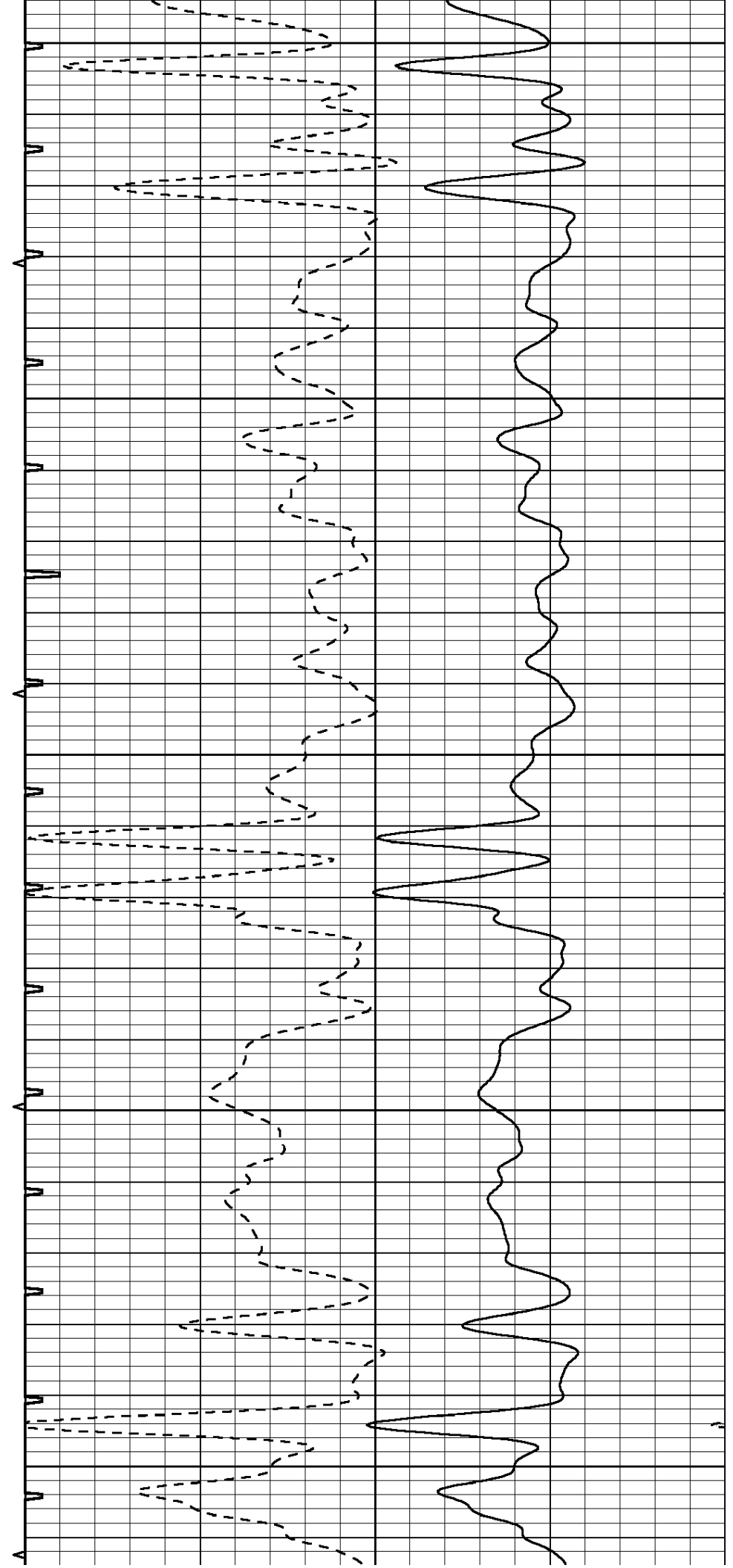
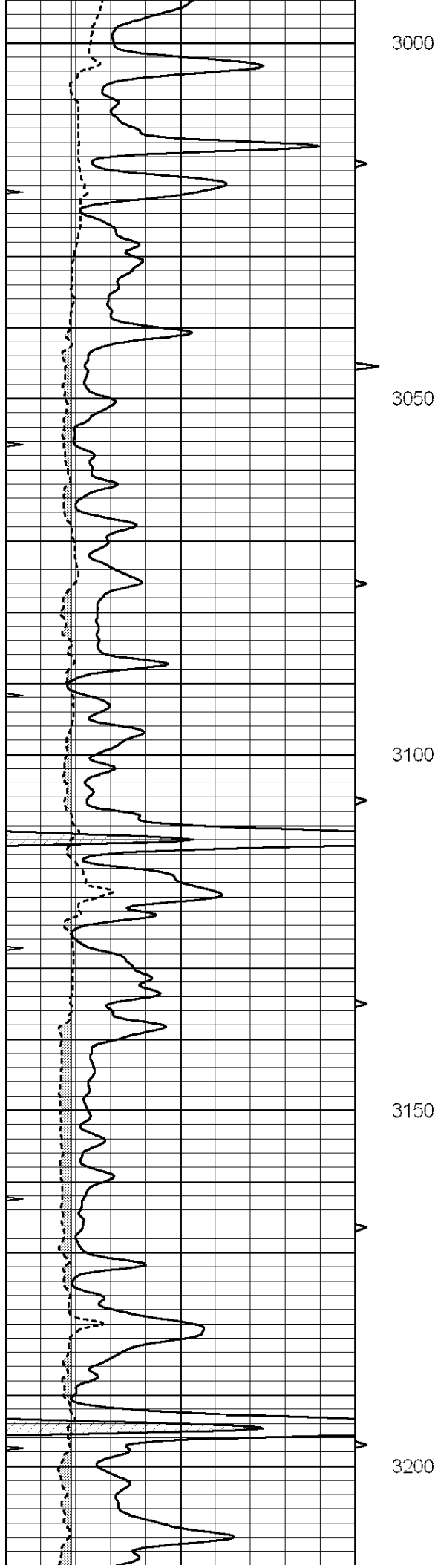
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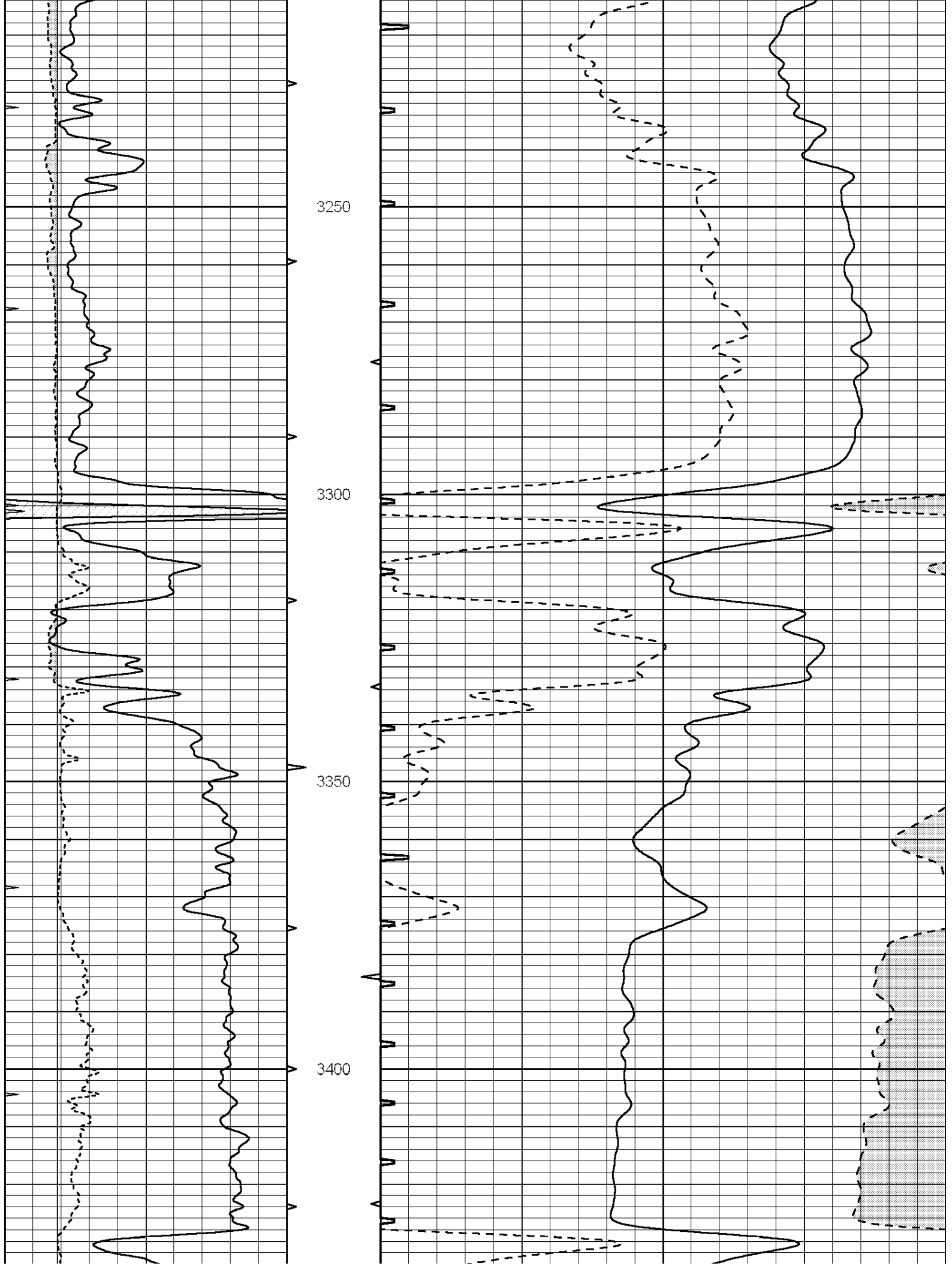
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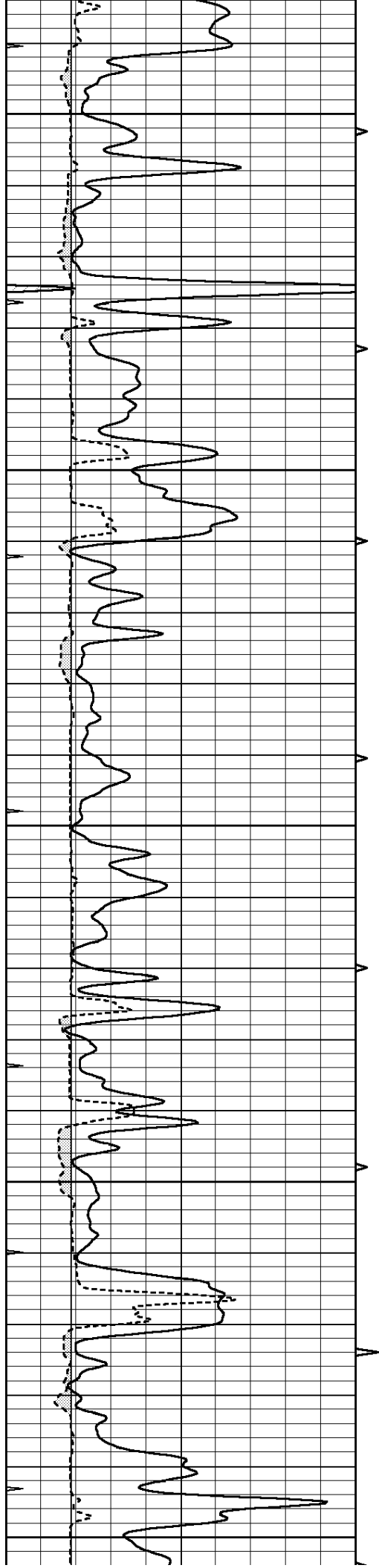
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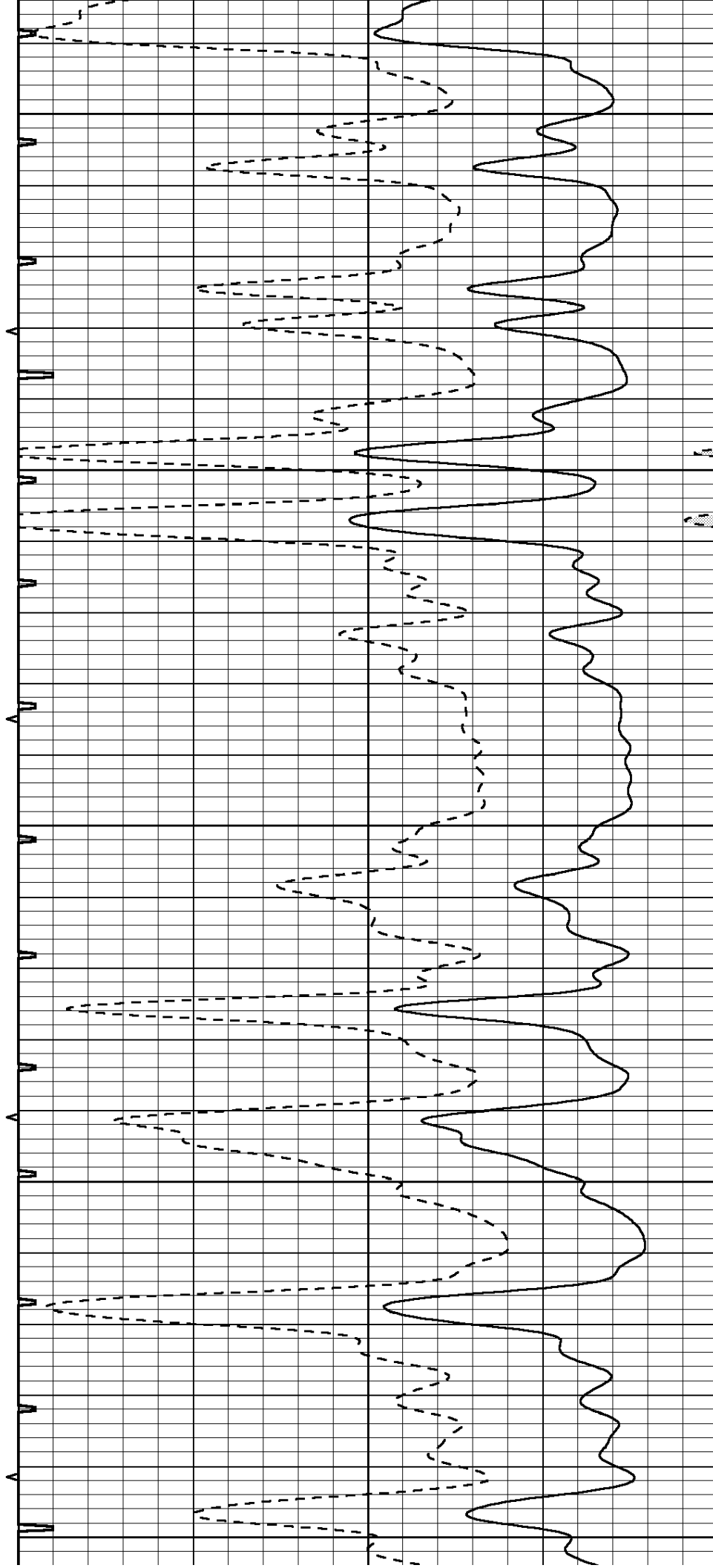
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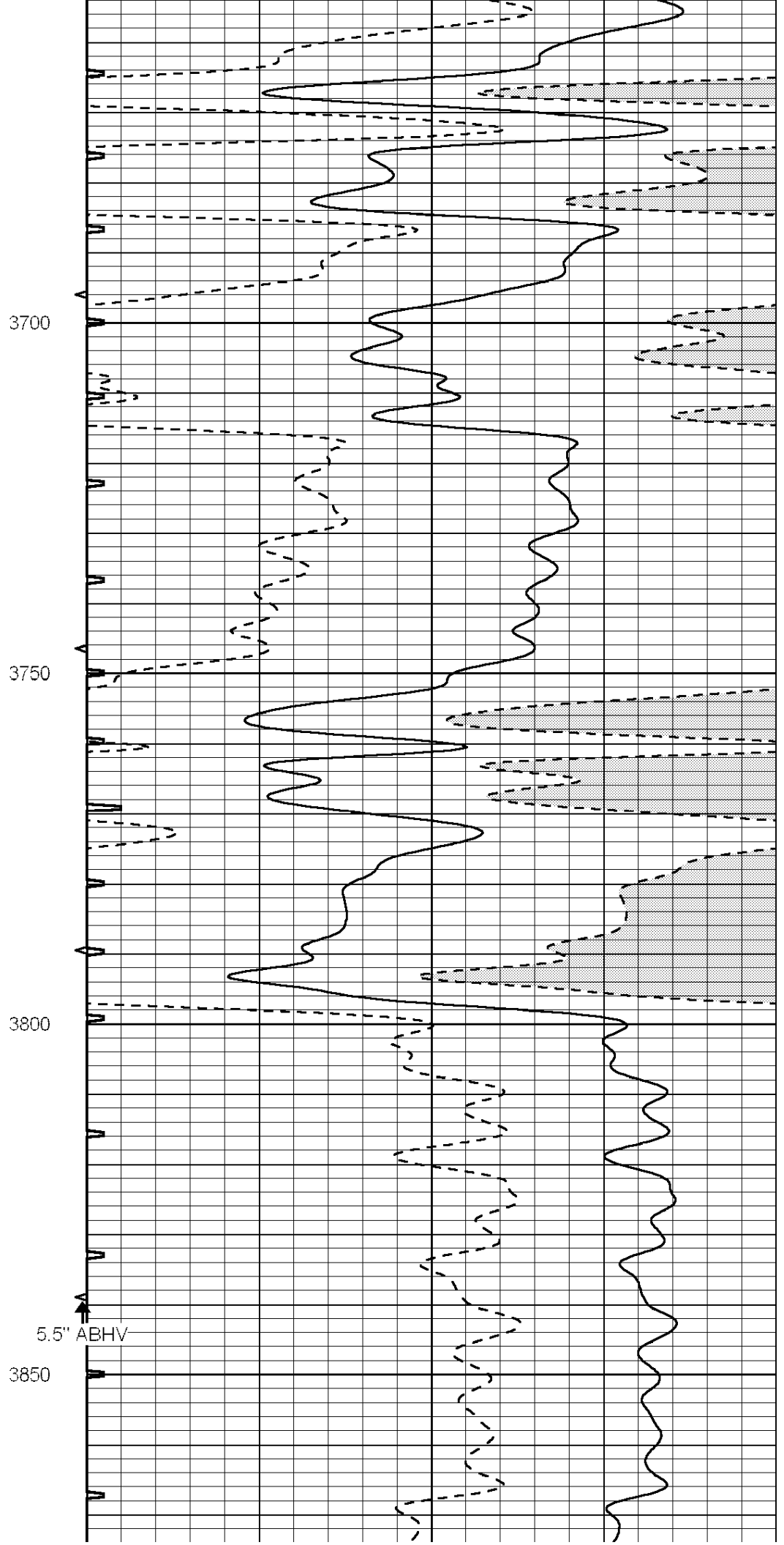
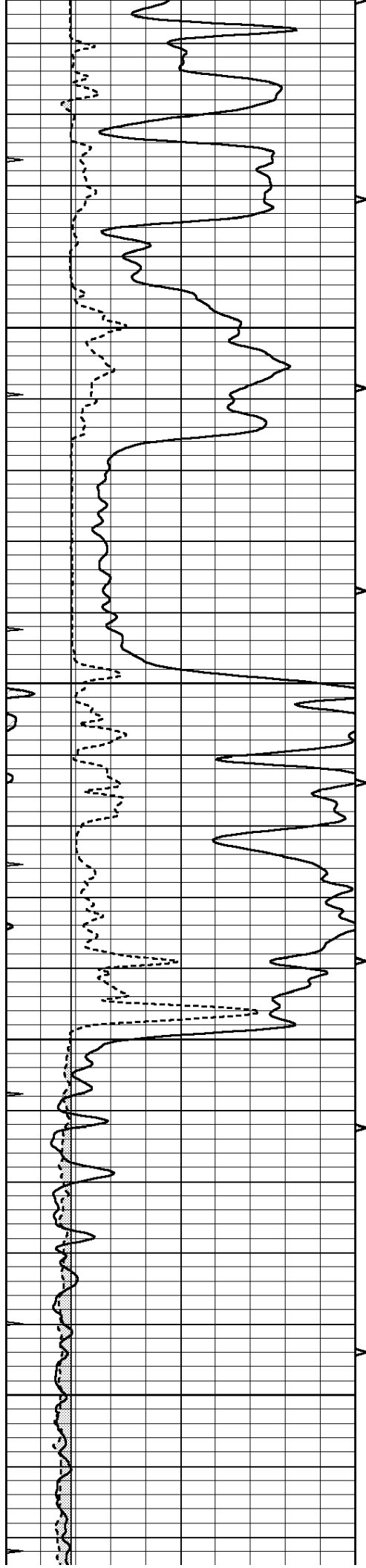
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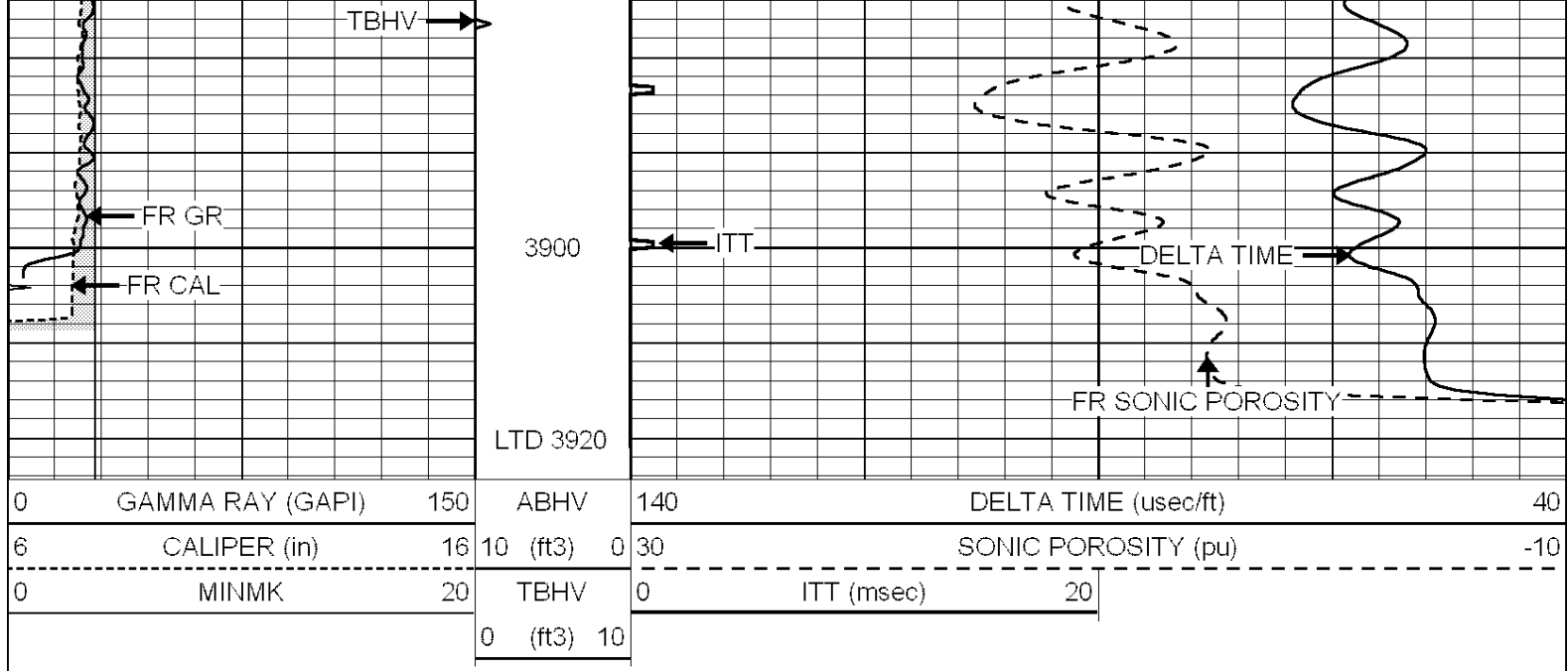
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REPEAT SECTION

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 Presentation Format: slt
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 Charted by: Depth in Feet scaled 1:240

