



SUPERIOR
Hays,
Kansas

SONIC LOG

Company		DOWNING - NELSON OIL COMPANY, INC.	
Well		ALMA HERL #1-13	
Field		GATSCHET SOUTHEAST	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-26133-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 13 TWP 13S RGE 19W		Elevation	
2054		K.B. 2062	
		D.F. 2060	
		G.L. 2054	
Date	4/27/11		
Run Number	TWO		
Depth Driller	3753		
Depth Logger	3754		
Bottom Logged Interval	3741		
Top Log Interval	200		
Casing Driller	8 5/8"@224'		
Casing Logger	224		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11,000PPM	
Density / Viscosity	9.2/68		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@75F		
Rmf @ Meas. Temp	.300@75F		
Rmc @ Meas. Temp	.480@75F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.263@114F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	11:45 A.M.		
Maximum Recorded Temperature	114F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	AL DOWNING	MARC DOWNING	RON NELSON

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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 HAYS, KS. (ELLIS COUNTY FAIRGROUNDS) 1/2 MILE W. OF 220 AVE., 1/2N. INTO

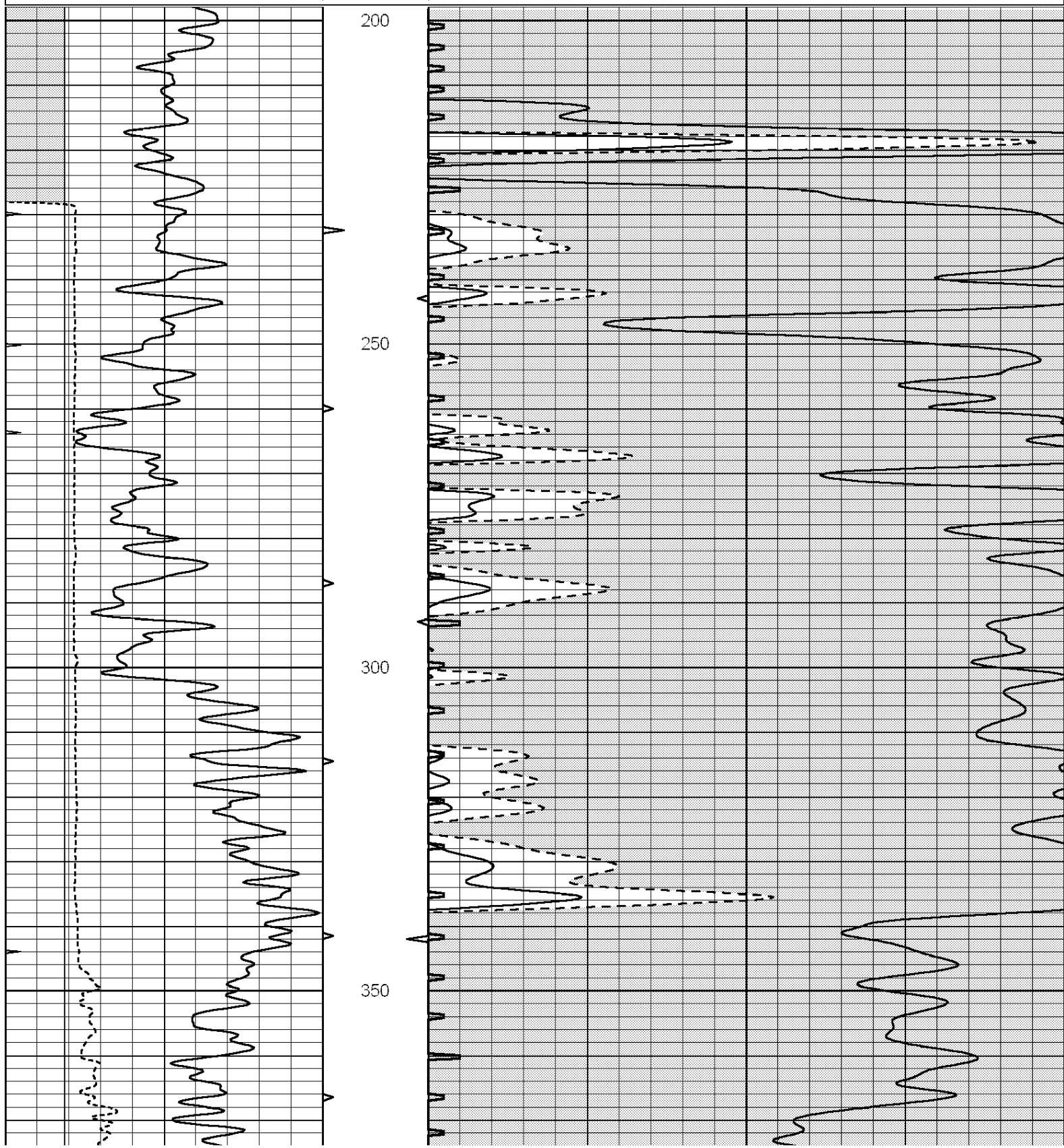


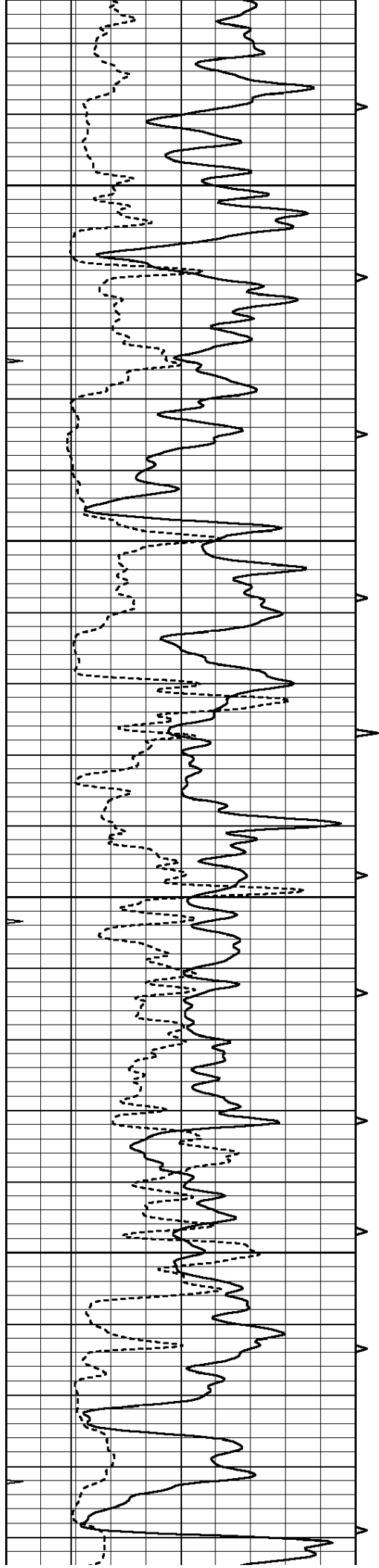
SUPERIOR
Hays,
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MAIN SECTION

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Presentation Format: slt
Dataset Creation: Wed Apr 27 15:05:05 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			



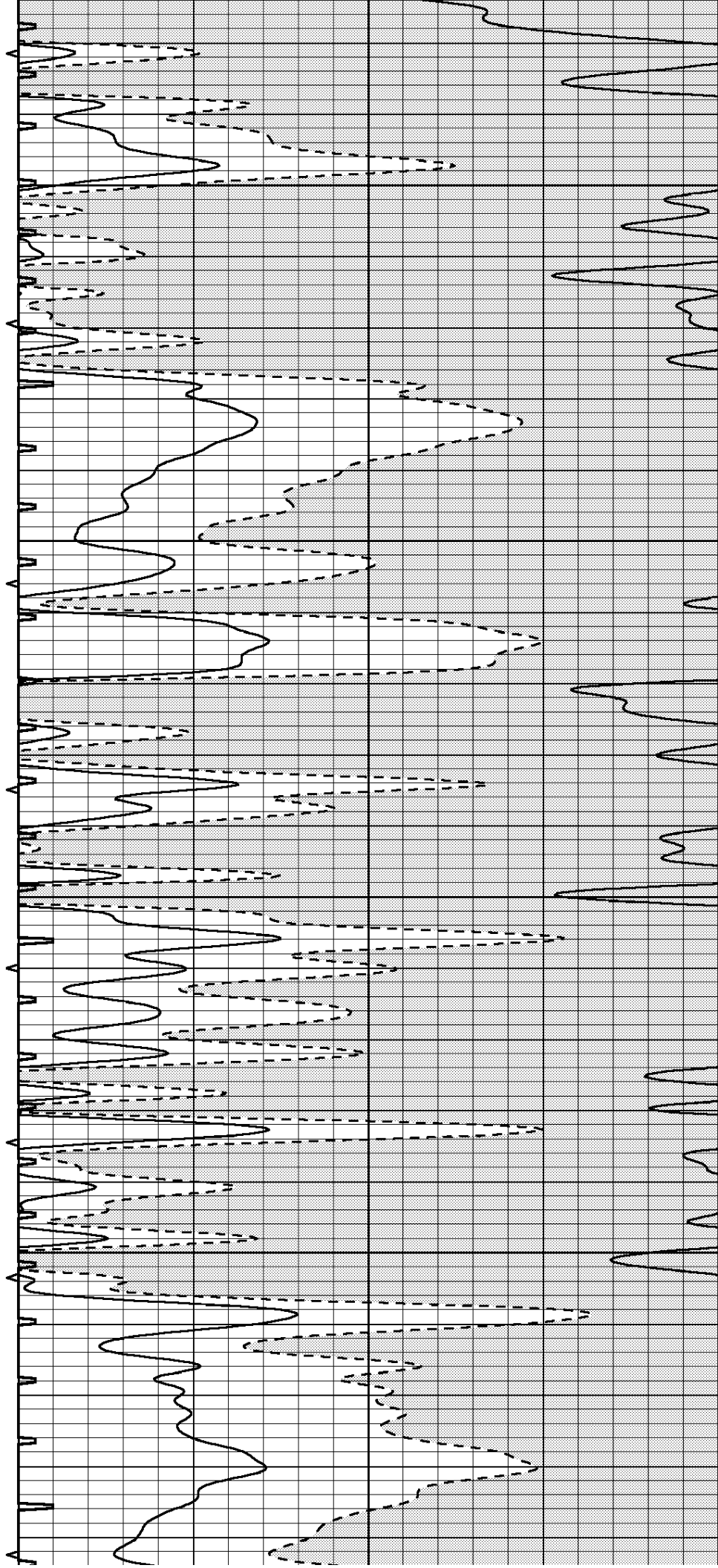


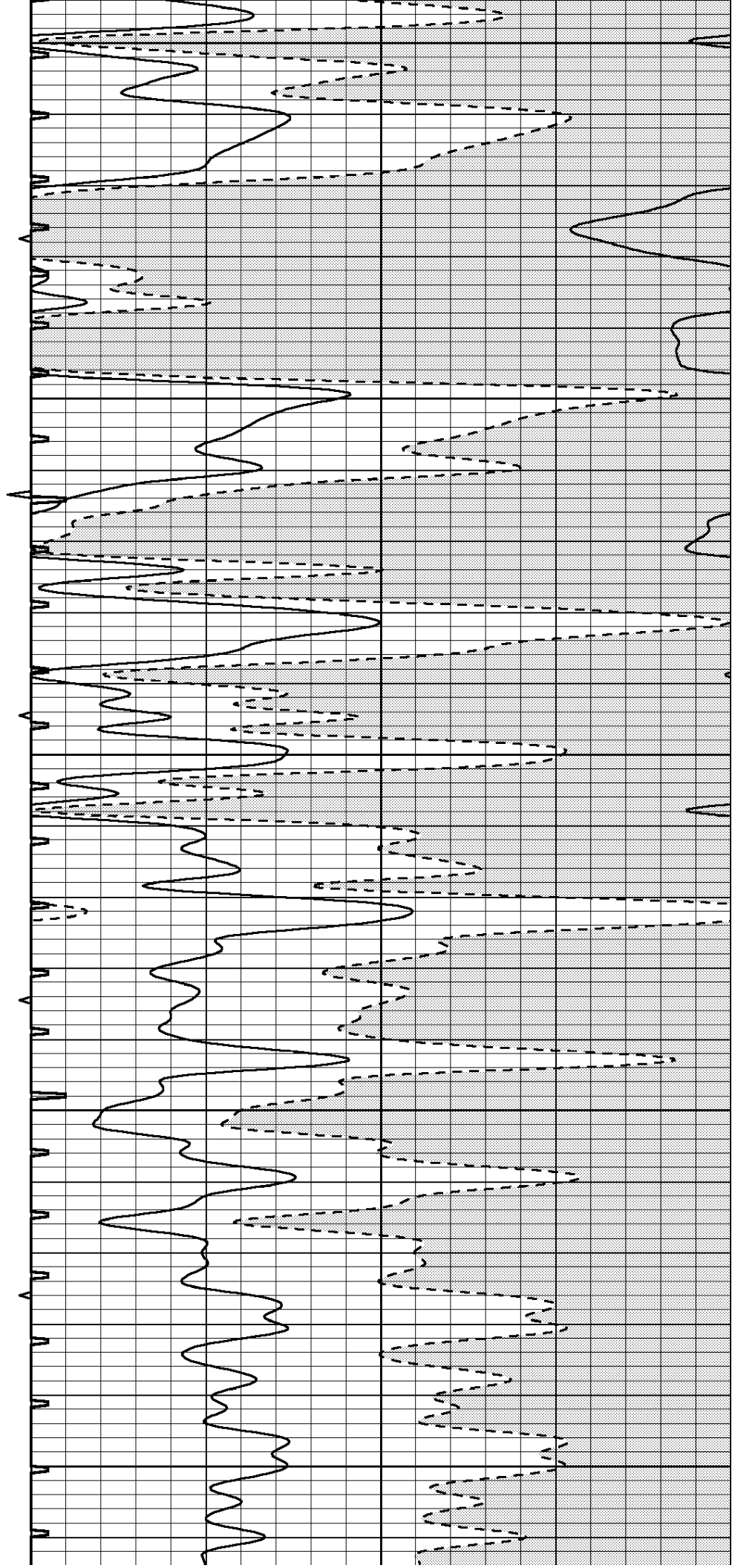
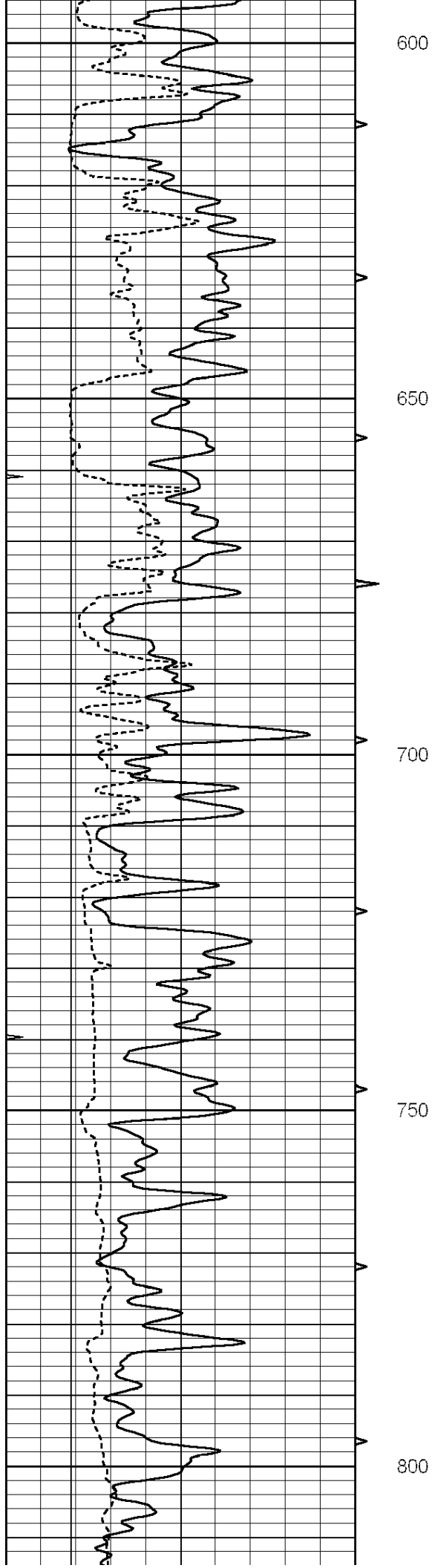
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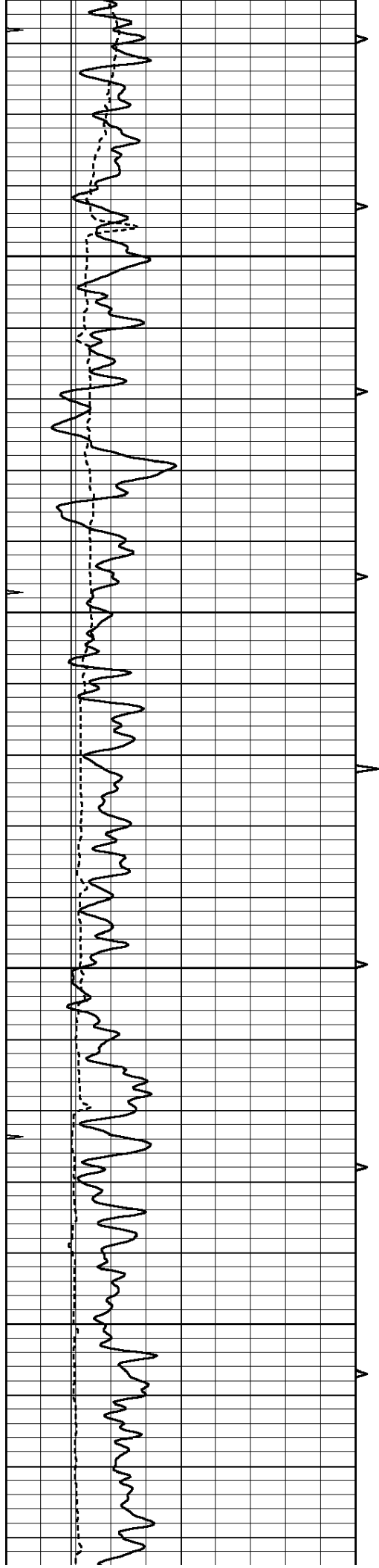
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500

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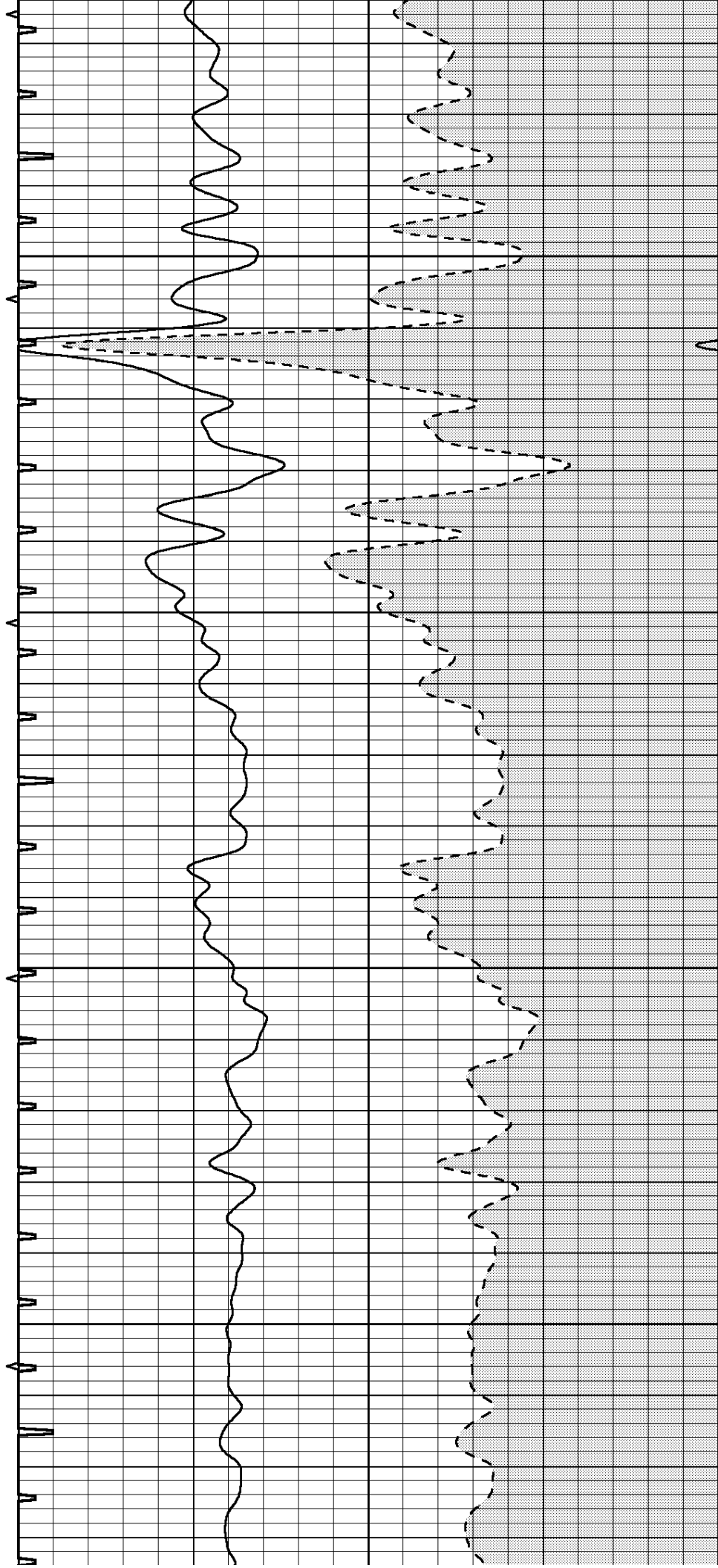


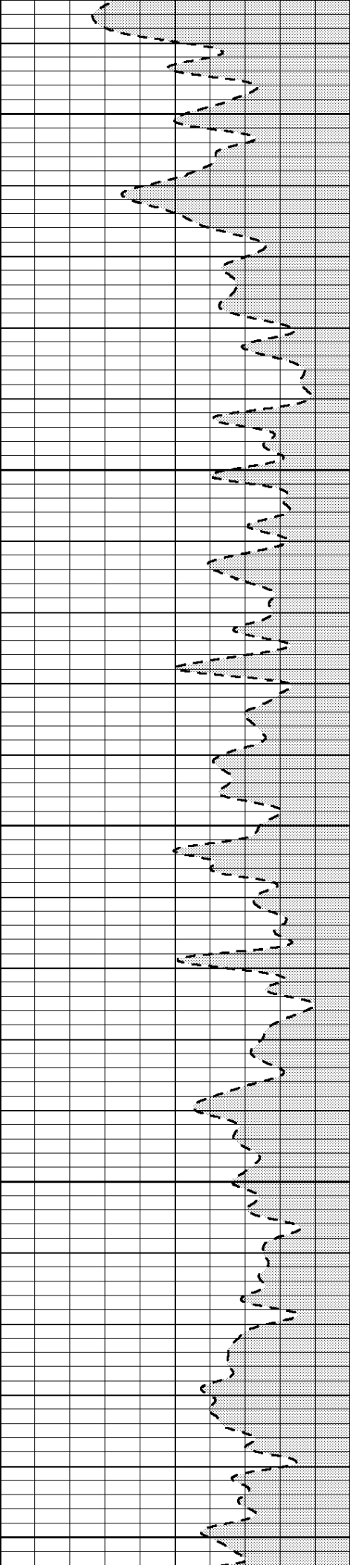
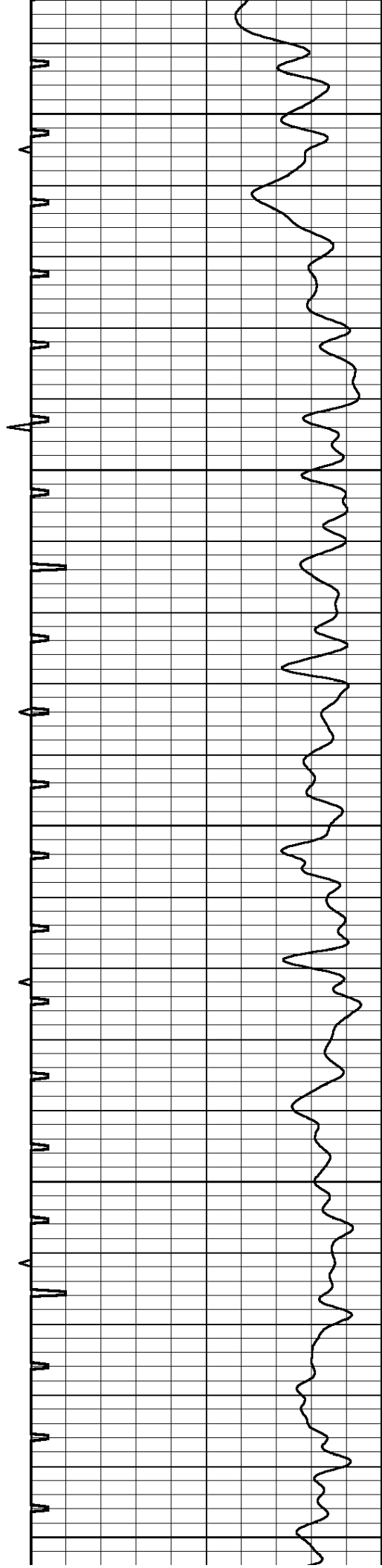
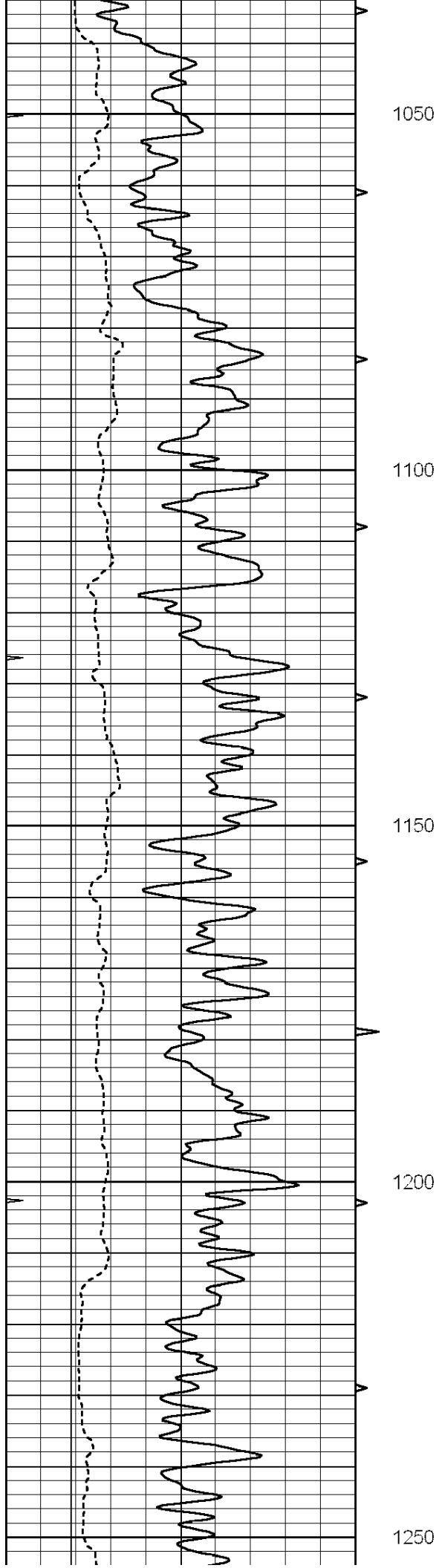
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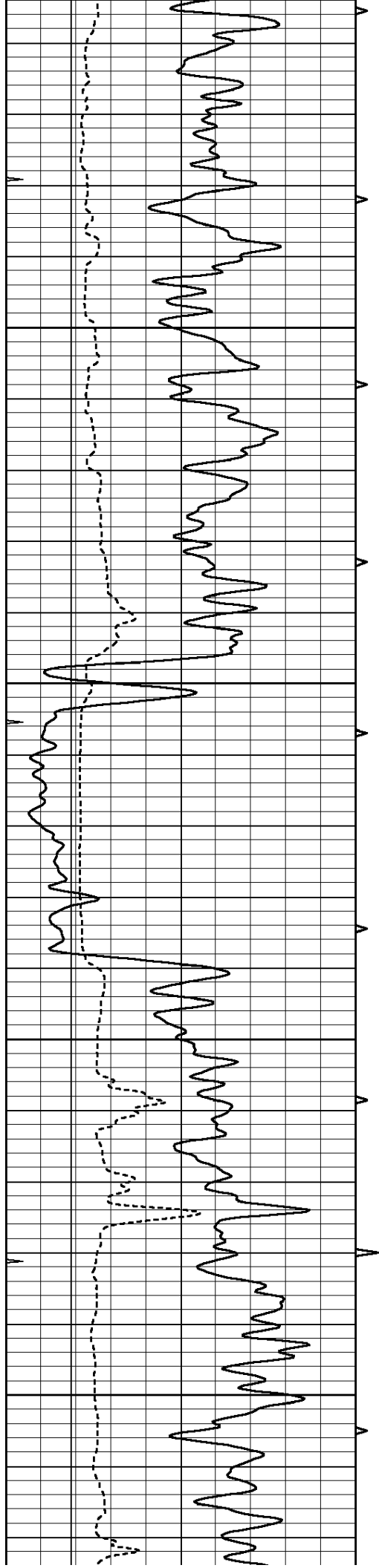
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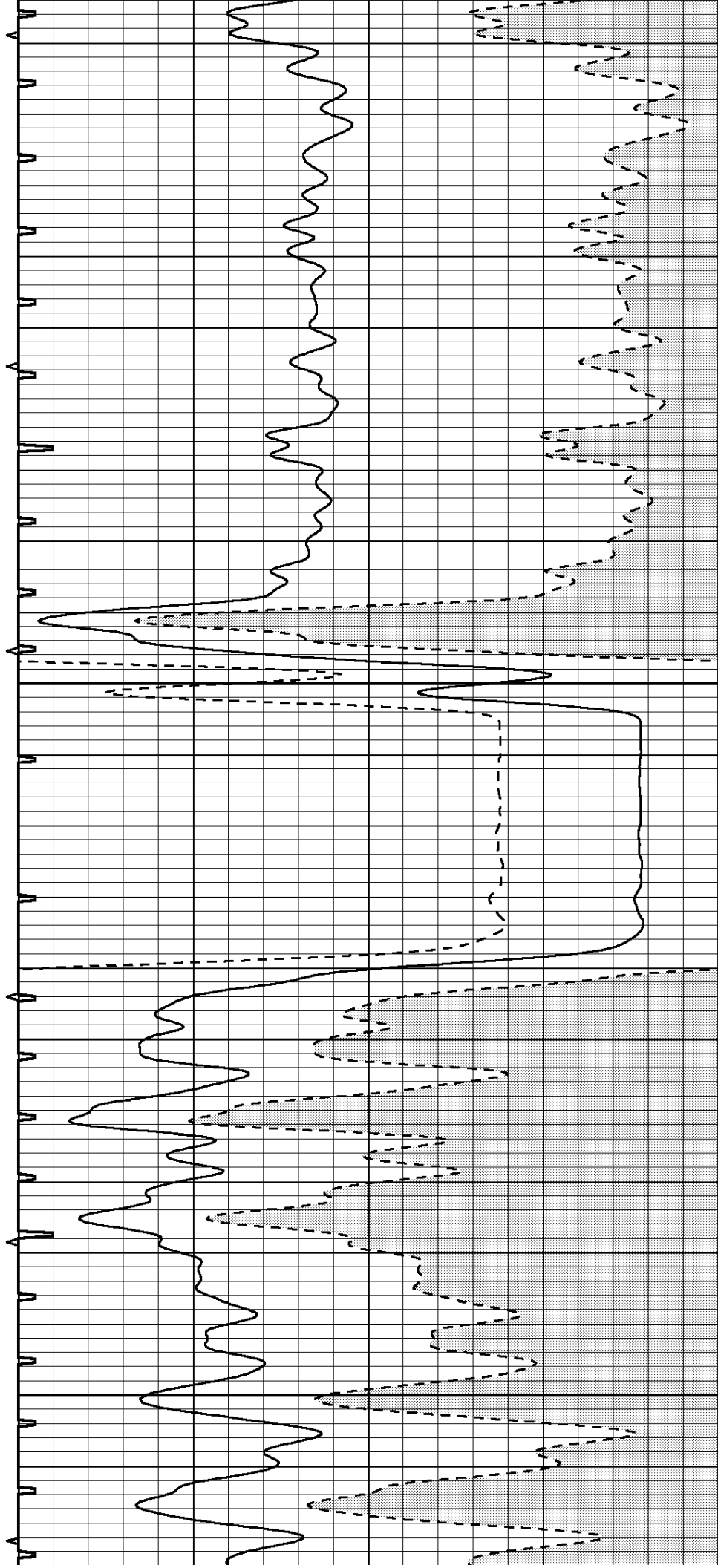


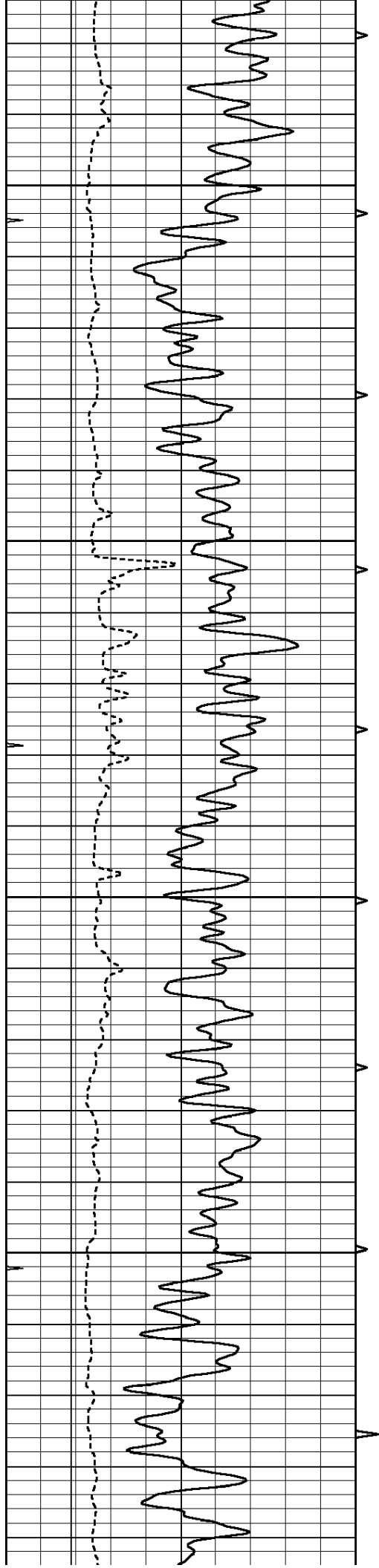
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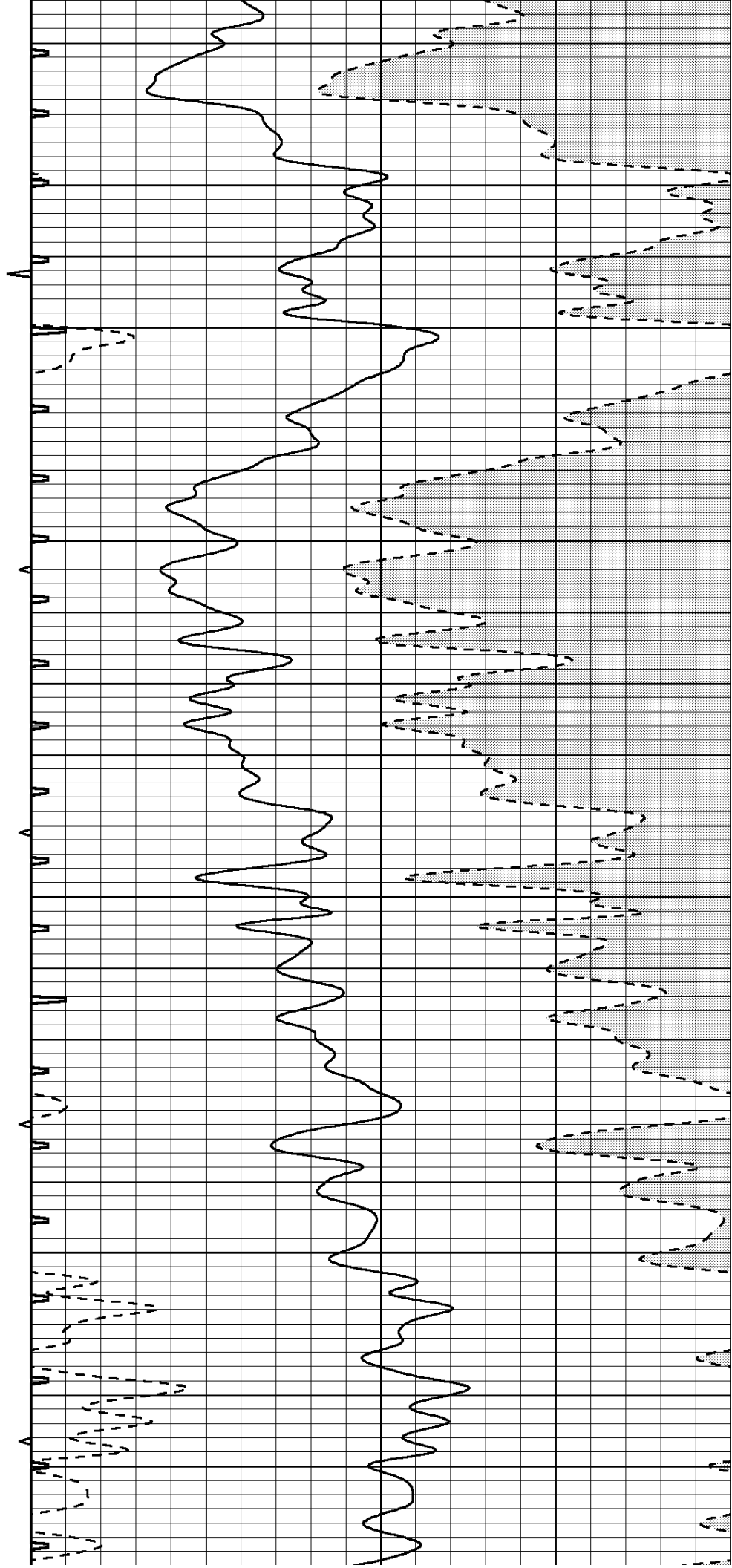


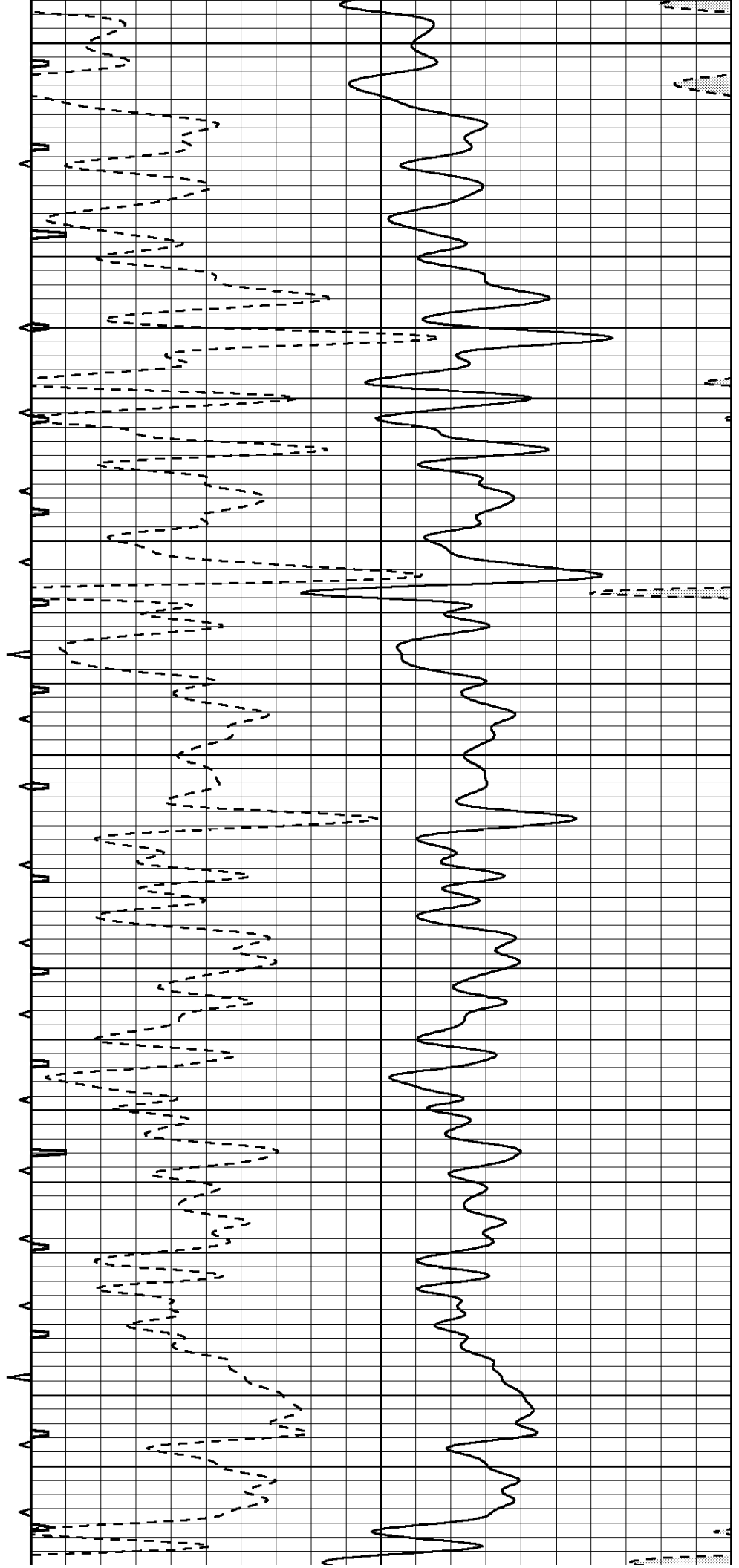
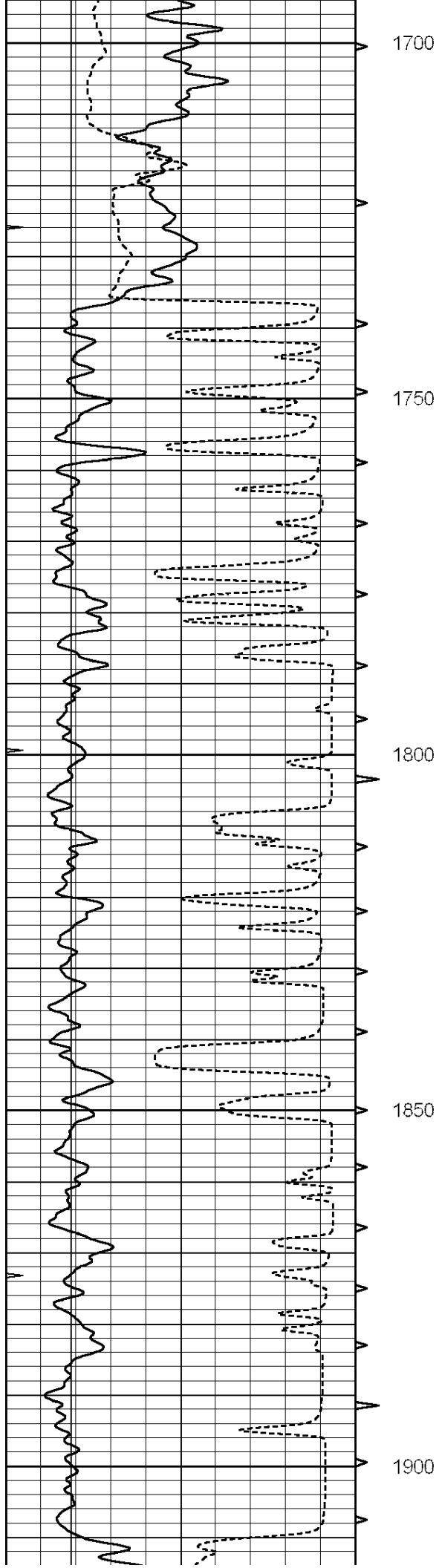
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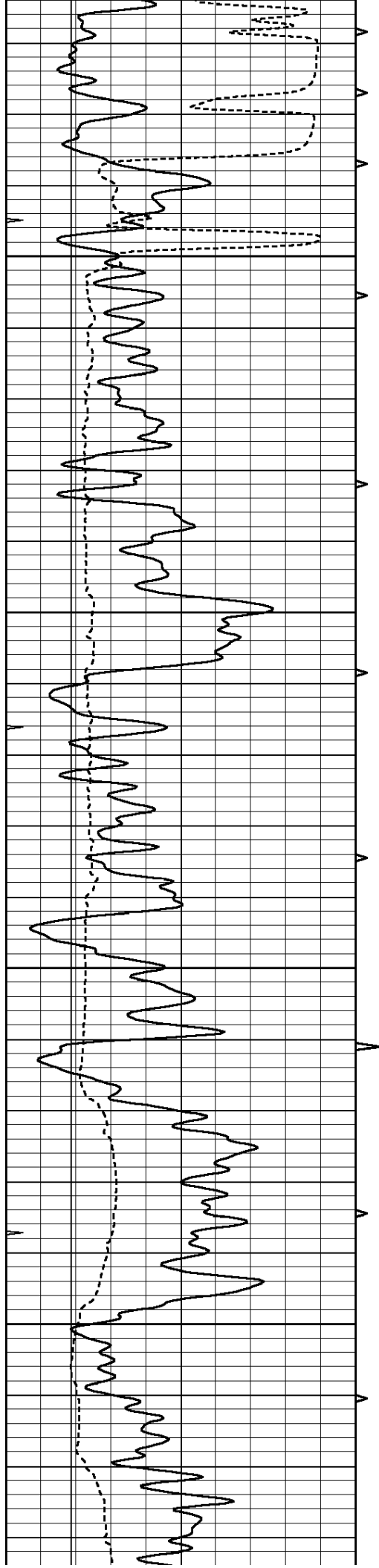
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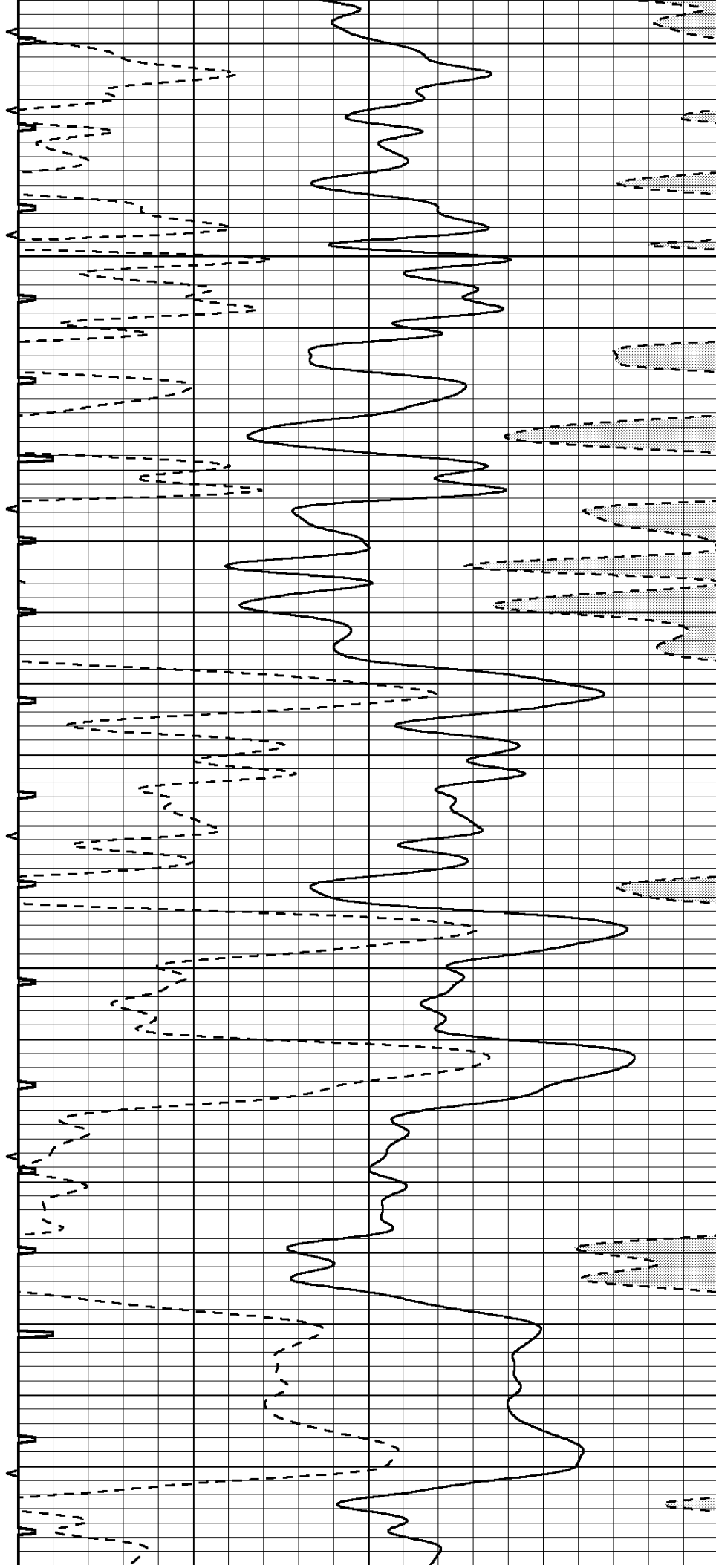


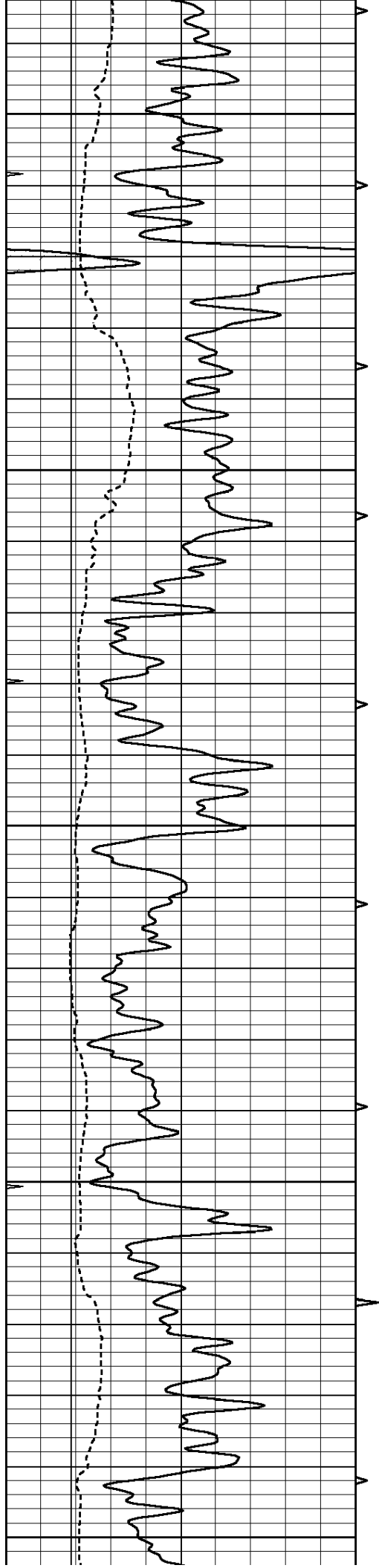
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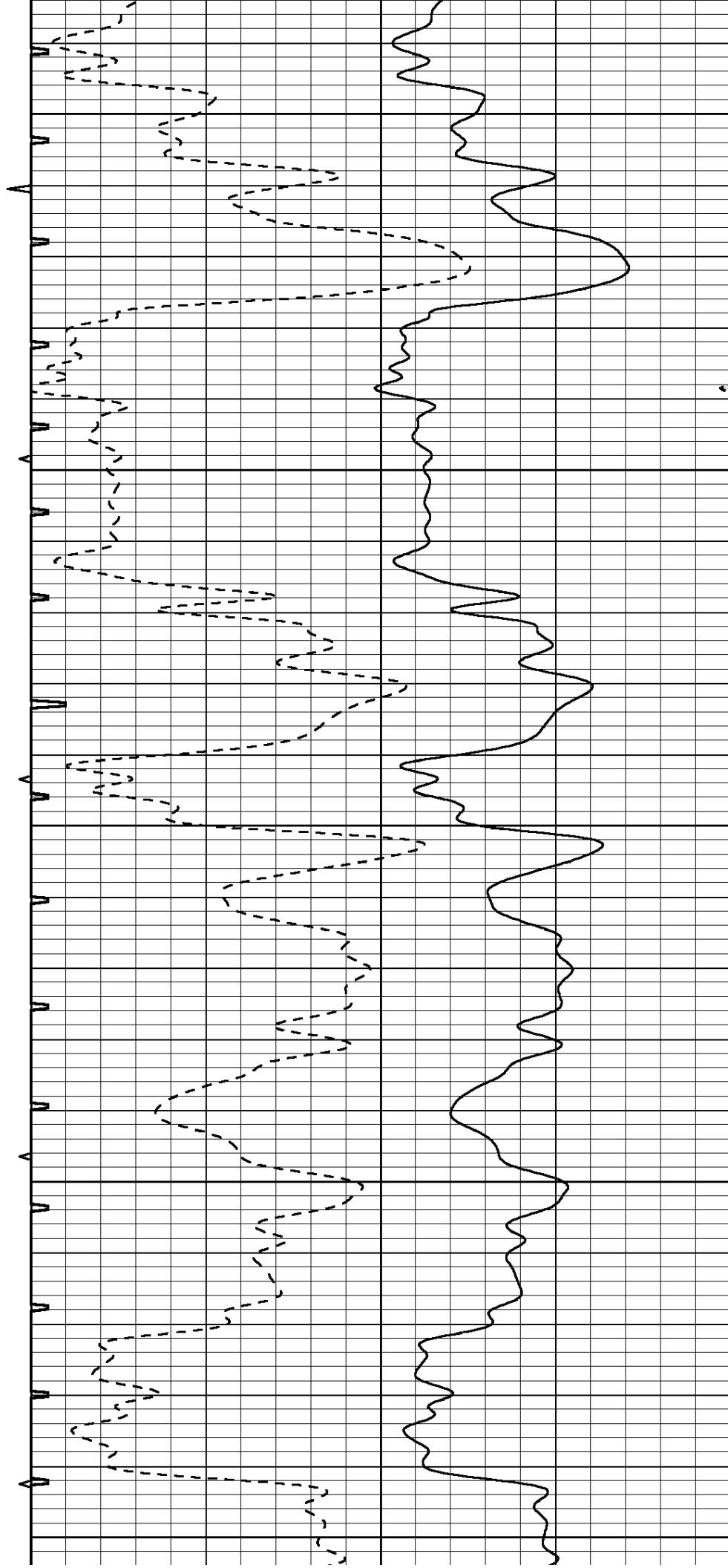
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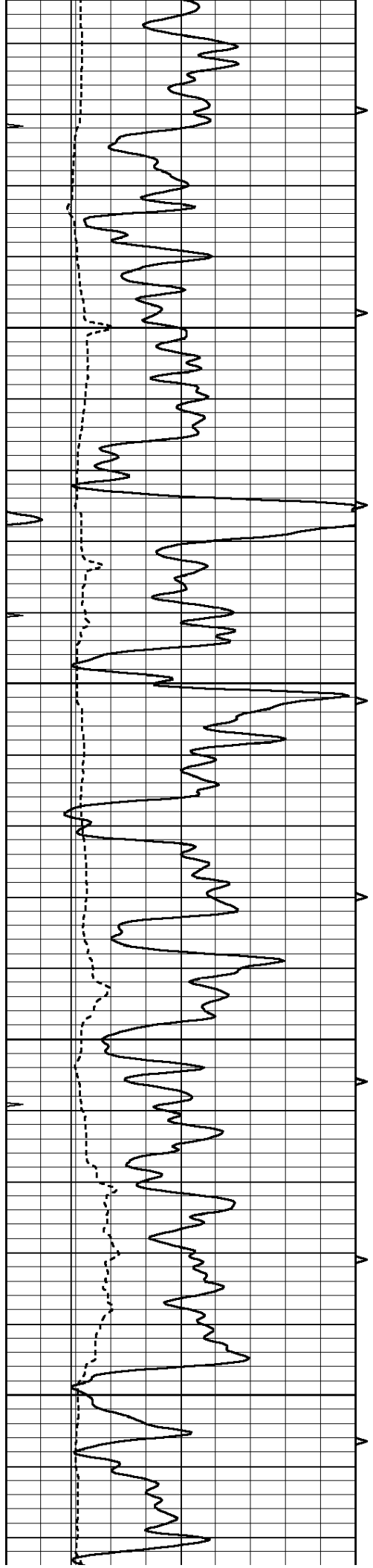
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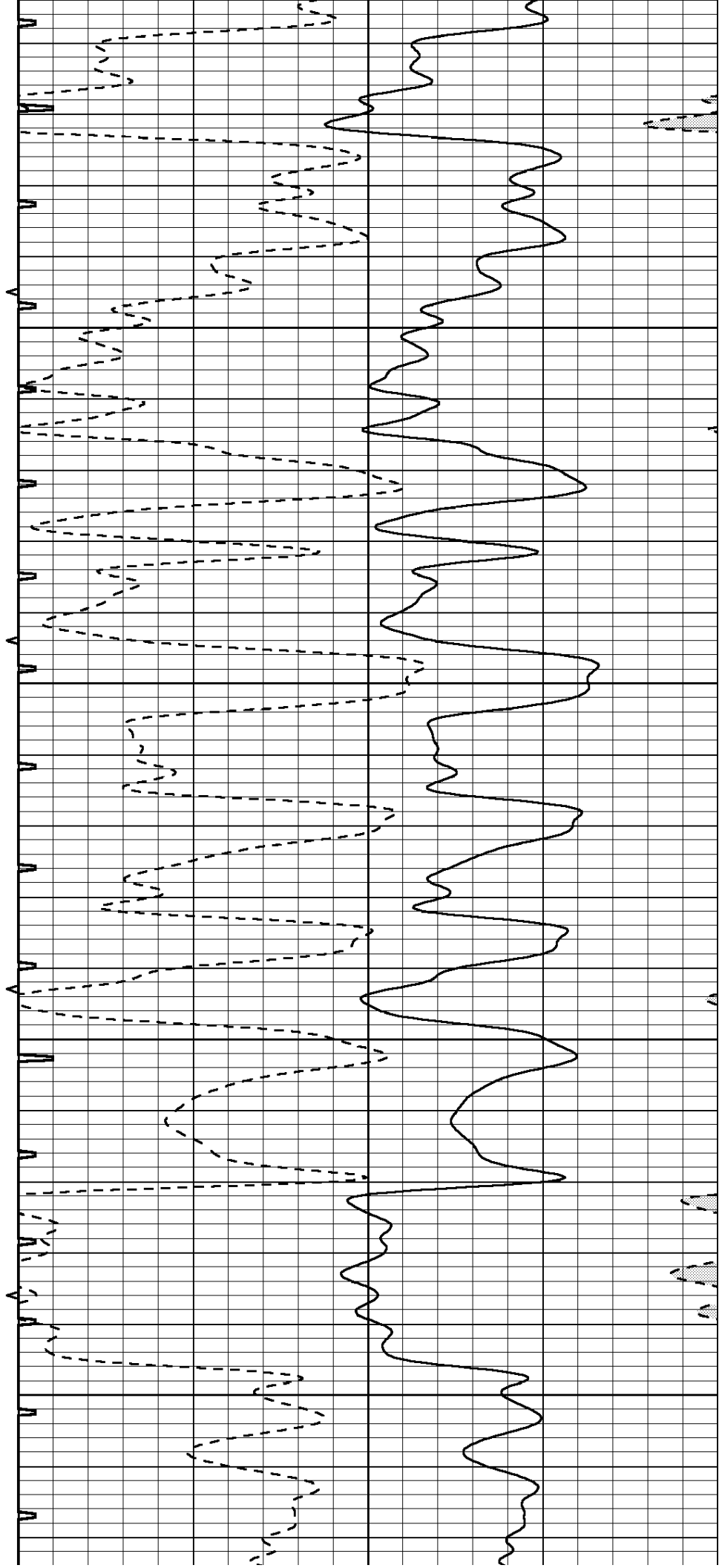


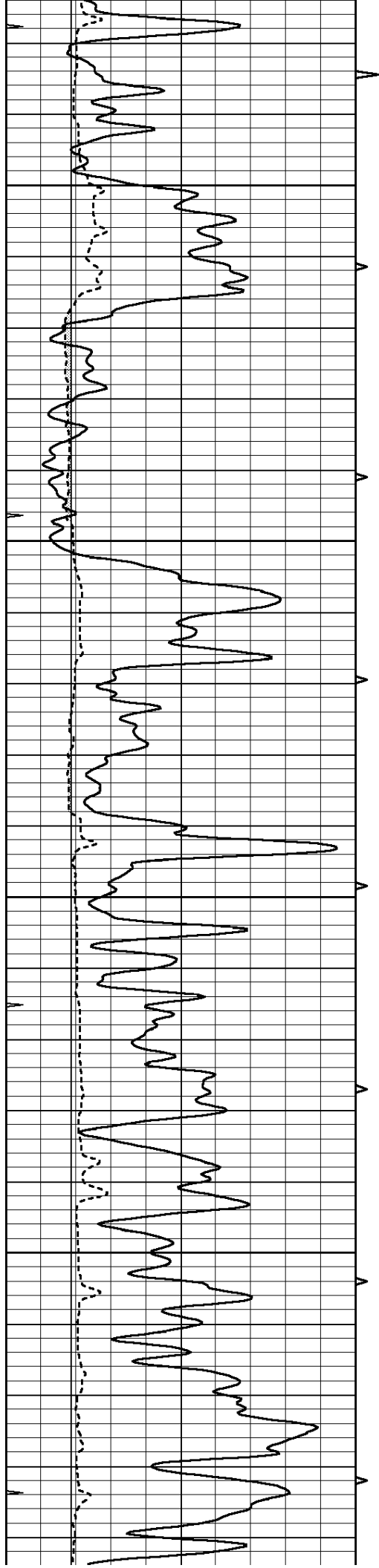
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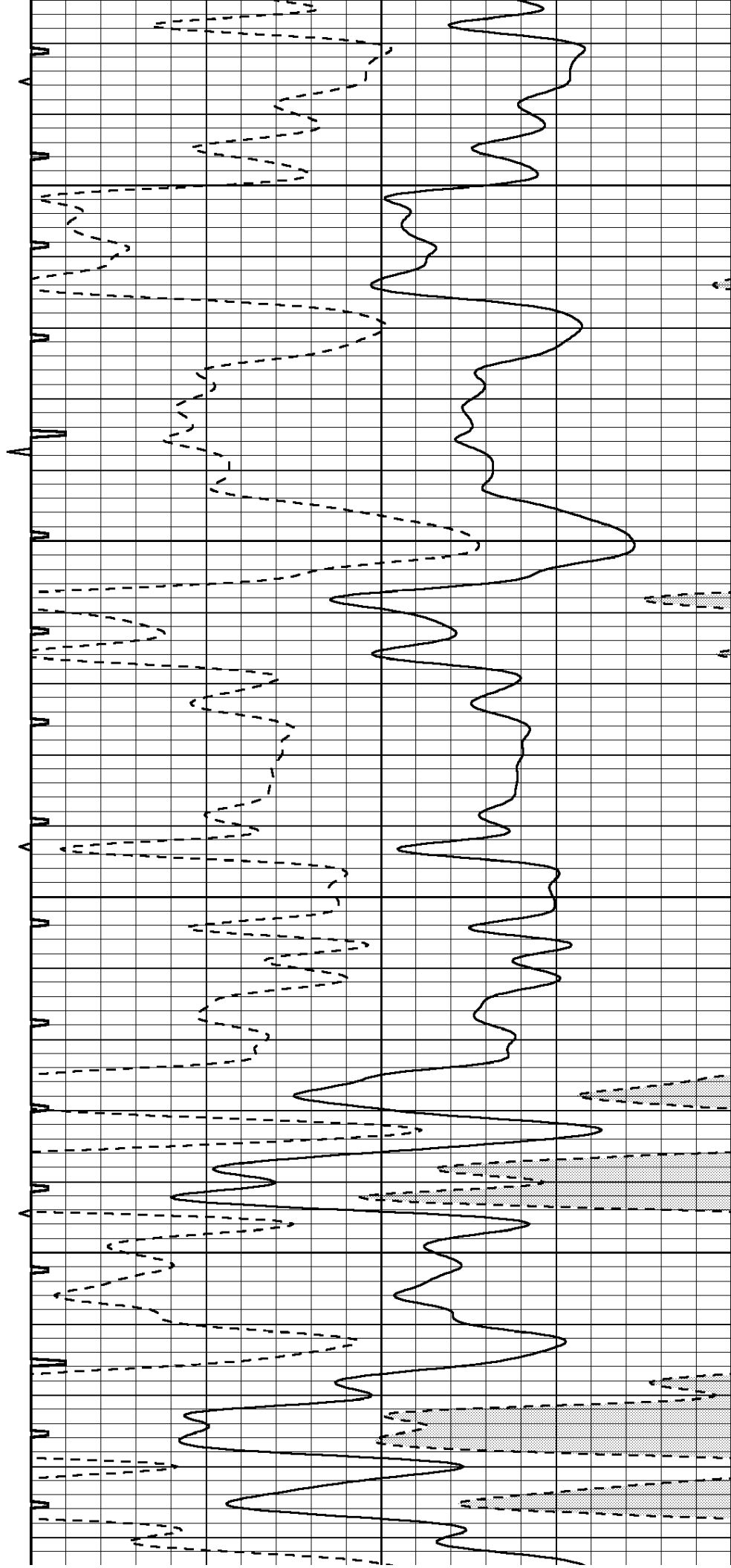


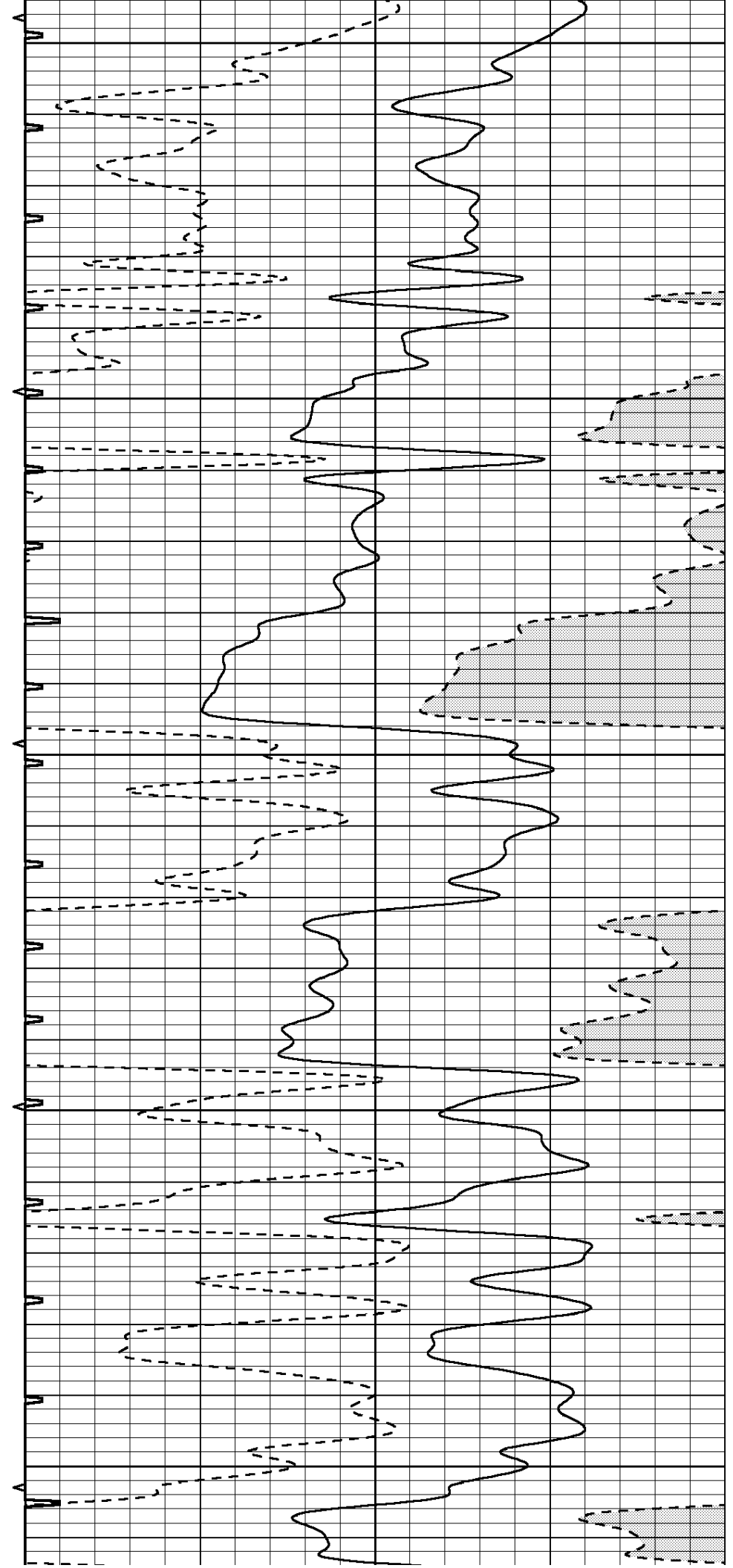
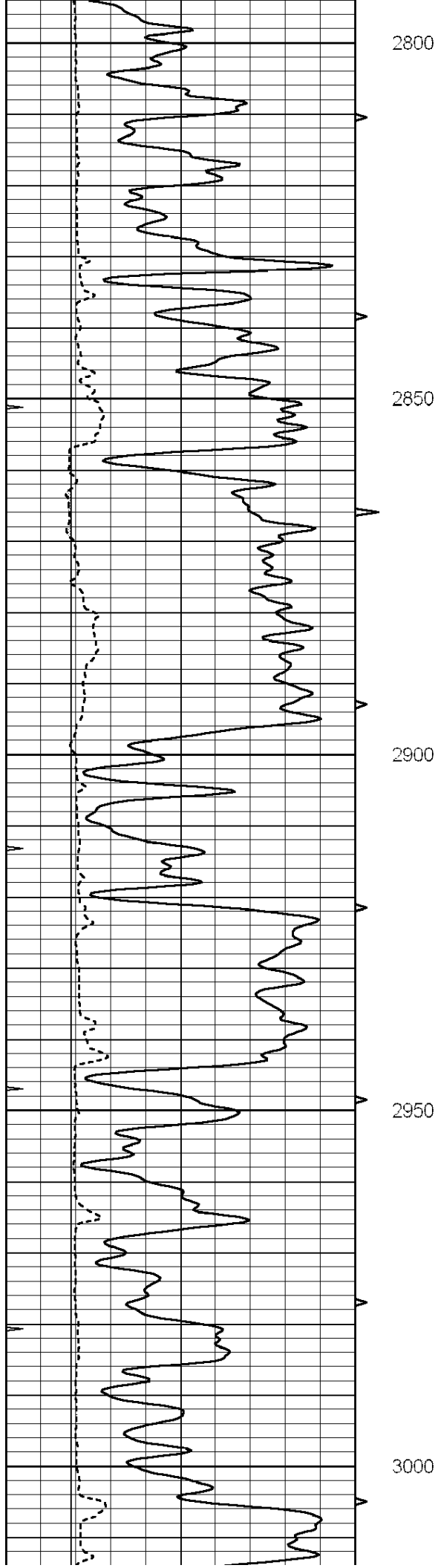
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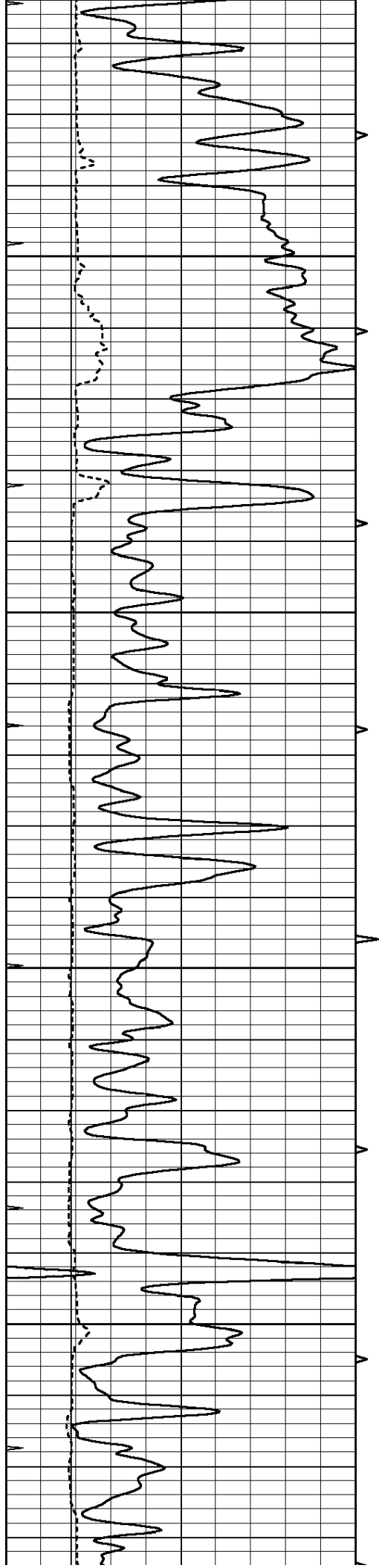
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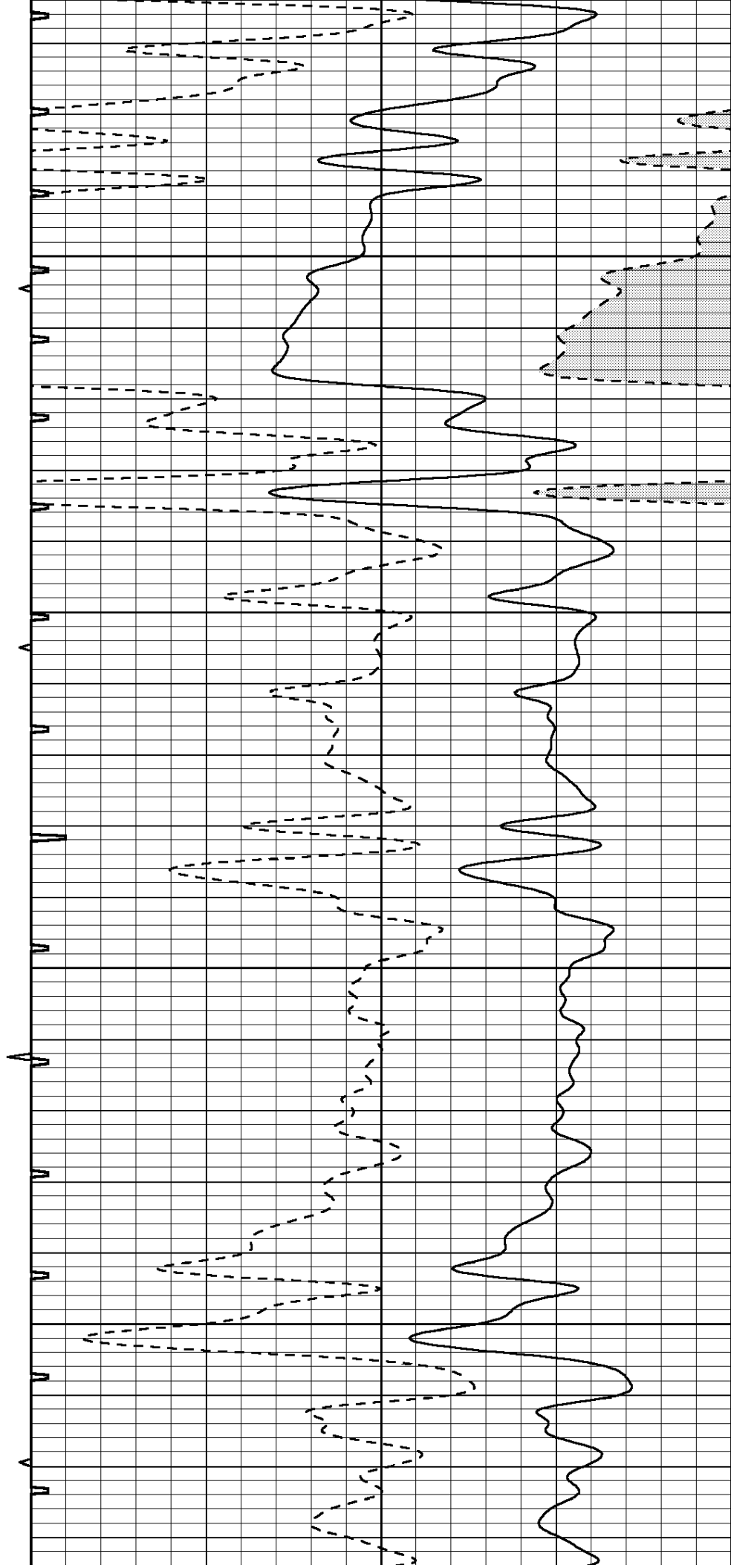


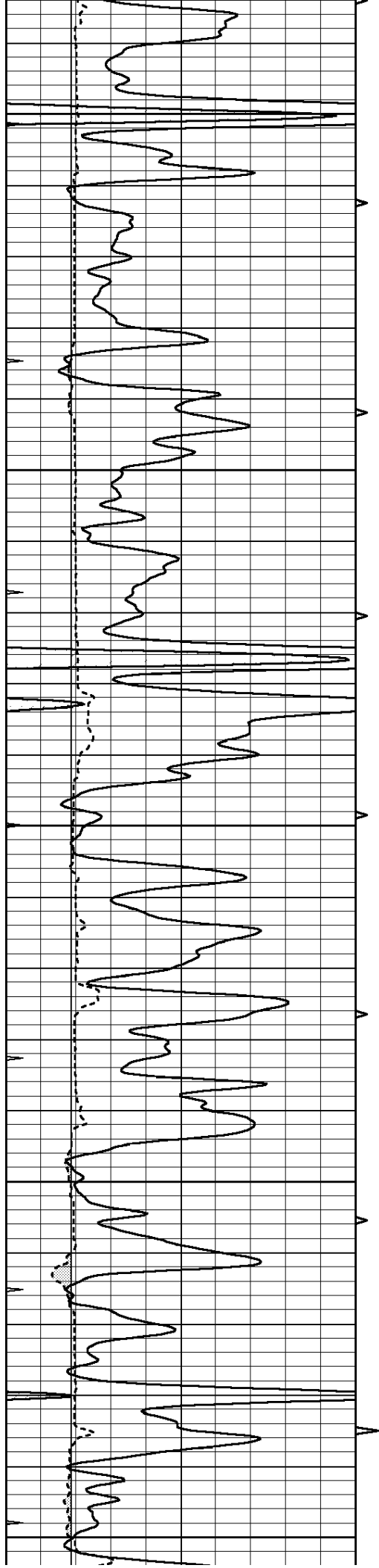
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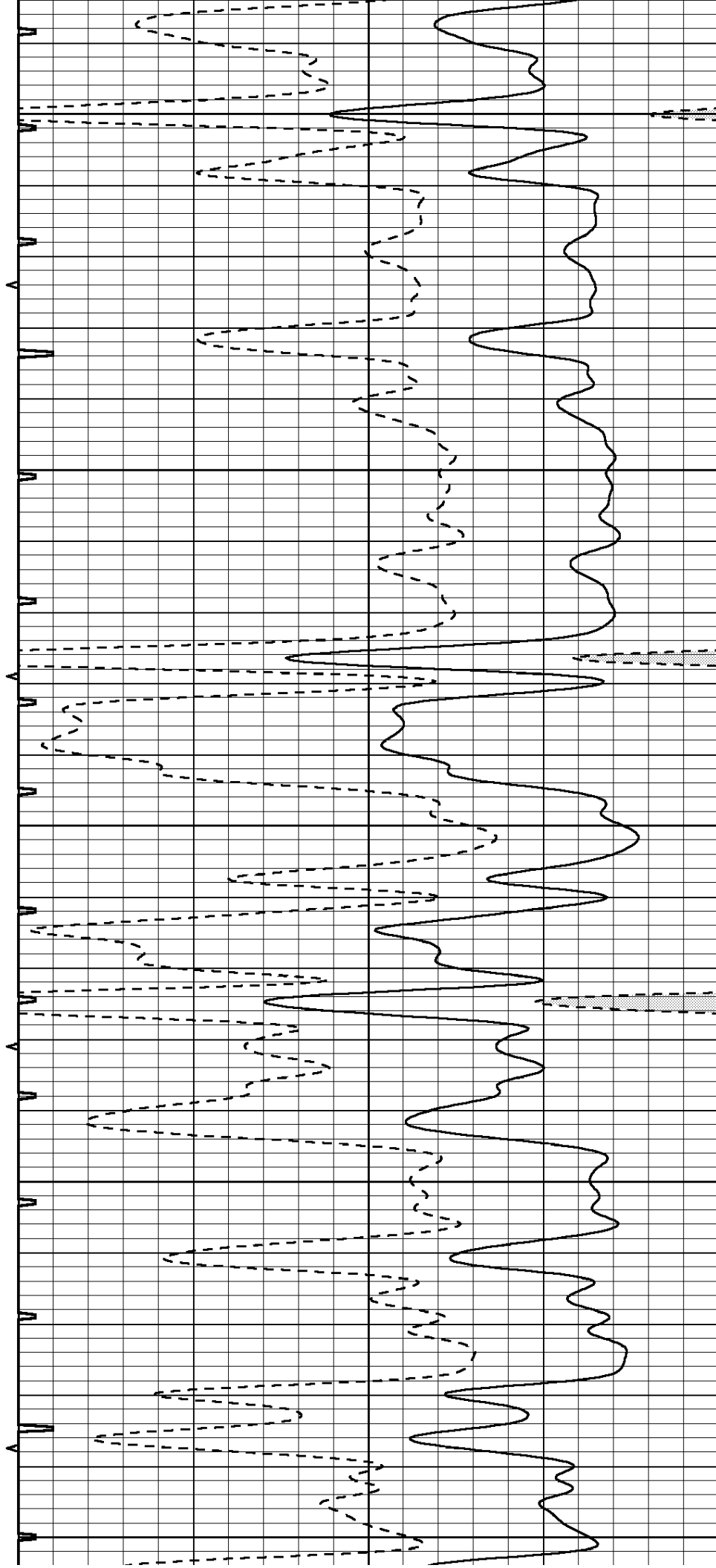
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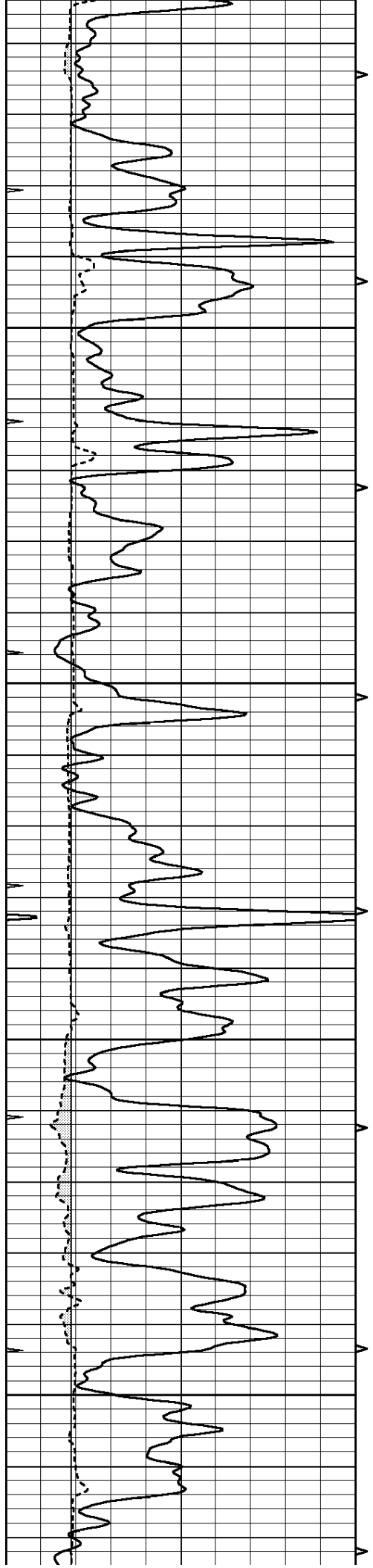
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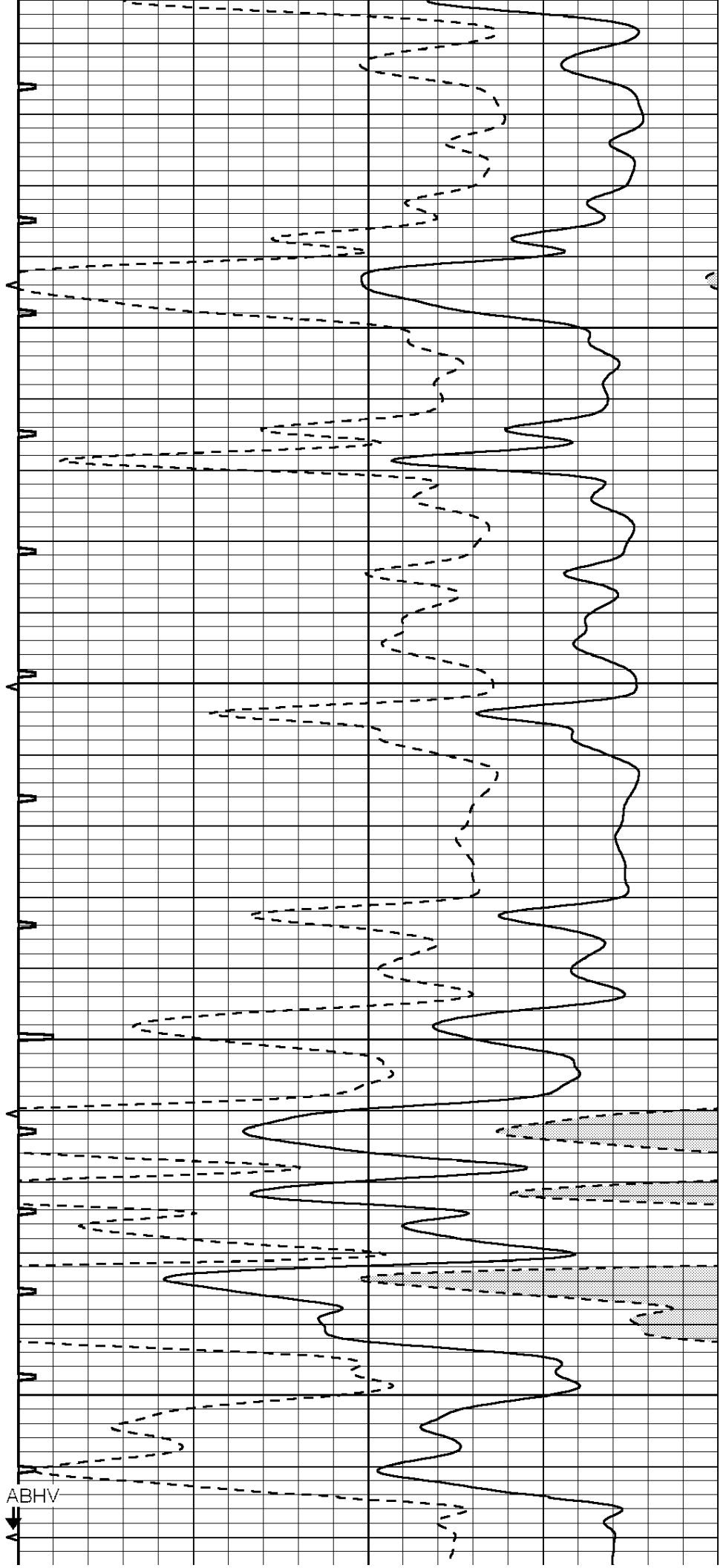
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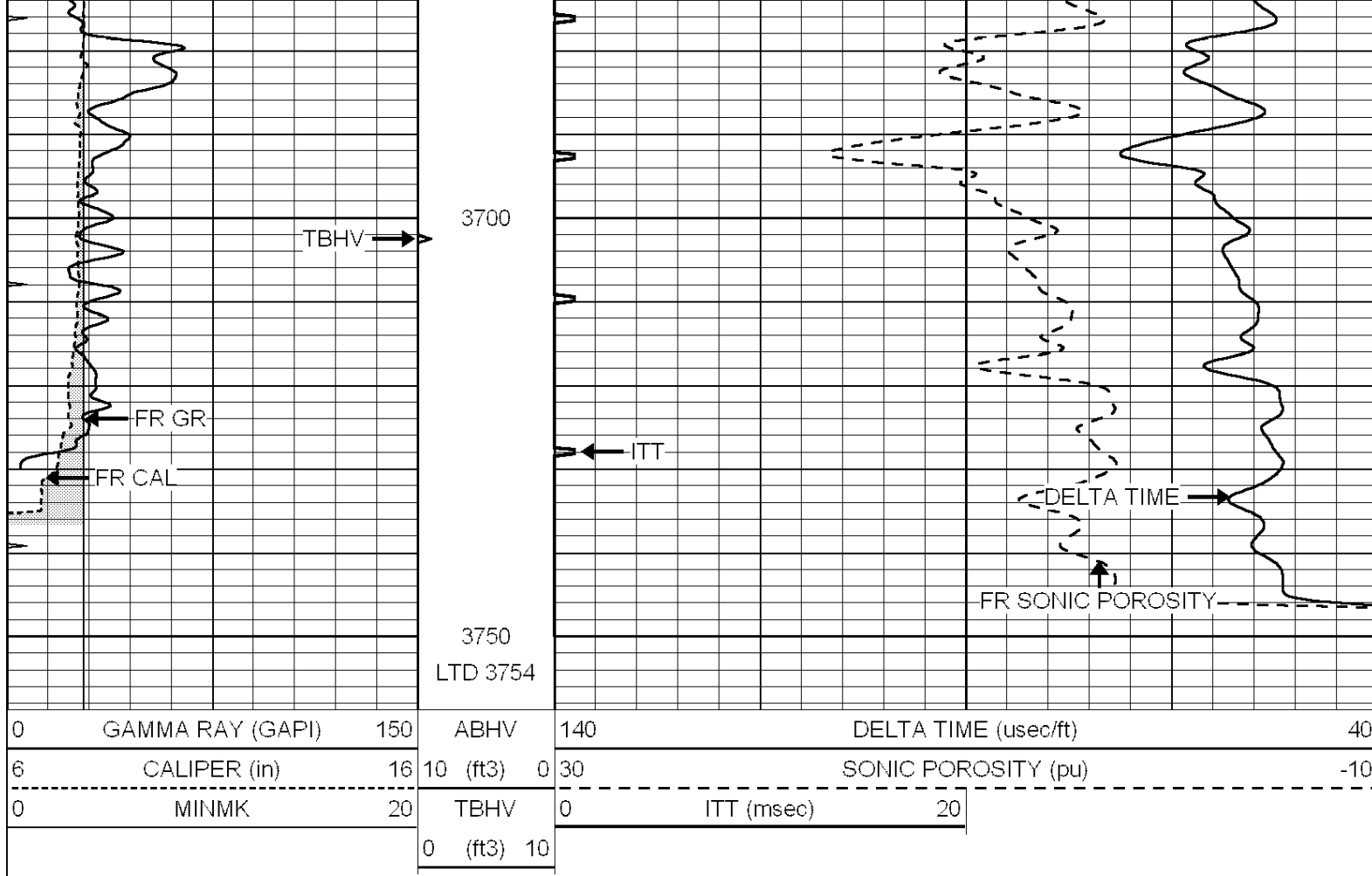
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5.5" ABHV





SUPERIOR
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Kansas

REPEAT SECTION

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 Presentation Format: slt
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