

SONIC LOG

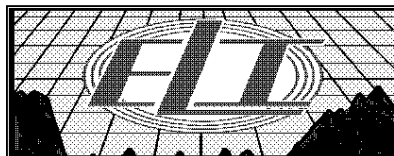
Company		WOOLSEY OPERATING CO. LLC.	
Well		HUBBARD #1	
Field		CRYSTAL SRINGS N.W.	
County		HARPER	
State		KANSAS	
Company		WOOLSEY OPERATING COMPANY, LLC.	
Well		HUBBARD #1	
Field		CRYSTAL SRINGS N.W.	
County		HARPER	
State		KANSAS	
Location:		API # : 15-077-22175-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		330' FNL & 330' FVL	
Drilling Measured From		C - NW - NW - NW	
SEC 1		TWP 32S	
RGE 8W		Elevation	
K.B. 1510		CDL/CNL/PE	
D.F. 1508		DIL	
G.L. 1498			
Date	9/24/18		
Run Number	TWO		
Depth Driller	4920		
Depth Logger	4920		
Bottom Logged Interval	4912		
Top Log Interval	200		
Casing Driller	8 5/8"@225'		
Casing Logger	225		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,000 PPM	
Density / Viscosity	9.6/55		
pH / Fluid Loss	11.0/8.8		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.700@100F		
Rmf @ Meas. Temp	.525@100F		
Rmc @ Meas. Temp	.840@100F		
Source of Rmf / Rmc	MEASUREMENT		
Rin @ BHT	.565@124F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	10:30 P.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BILL KLAVER		

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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 ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
HARPER, KS., 5W., 1N., W. INTO

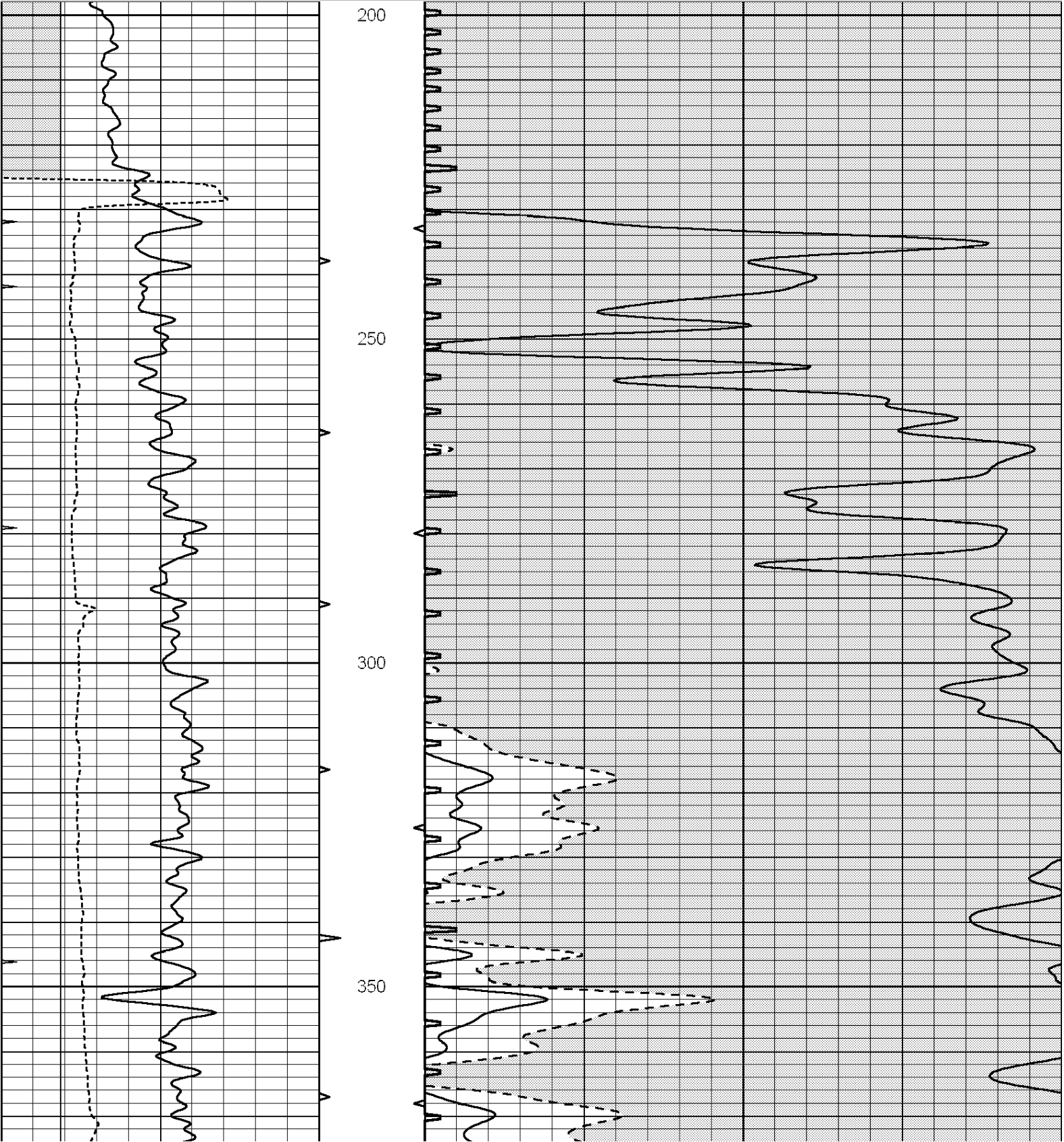


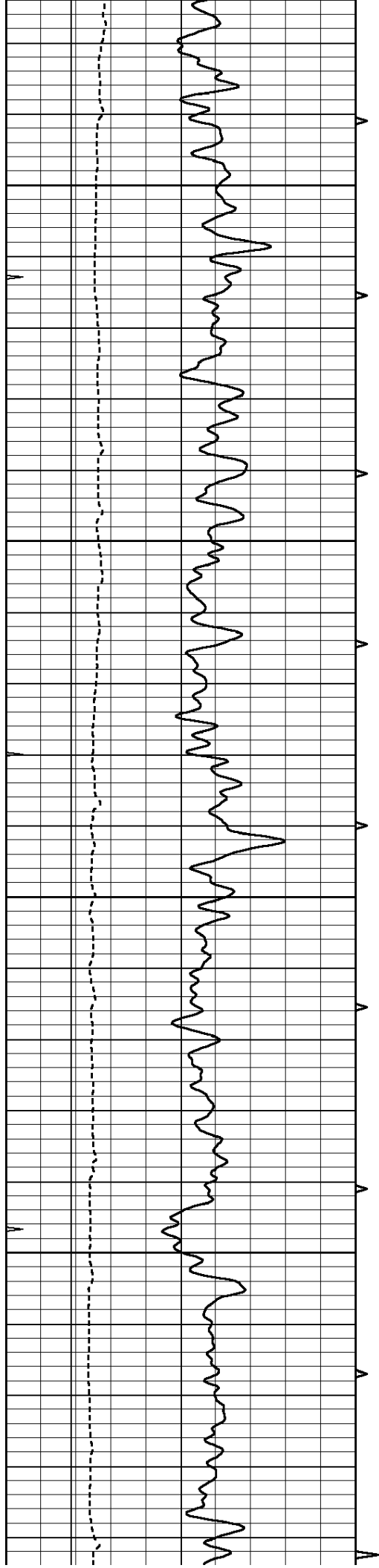
MAIN SECTION

Database File: 2936pe.db
Dataset Pathname: pass6.2
Presentation Format: slt
Dataset Creation: Tue Sep 25 00:03:41 2018
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				



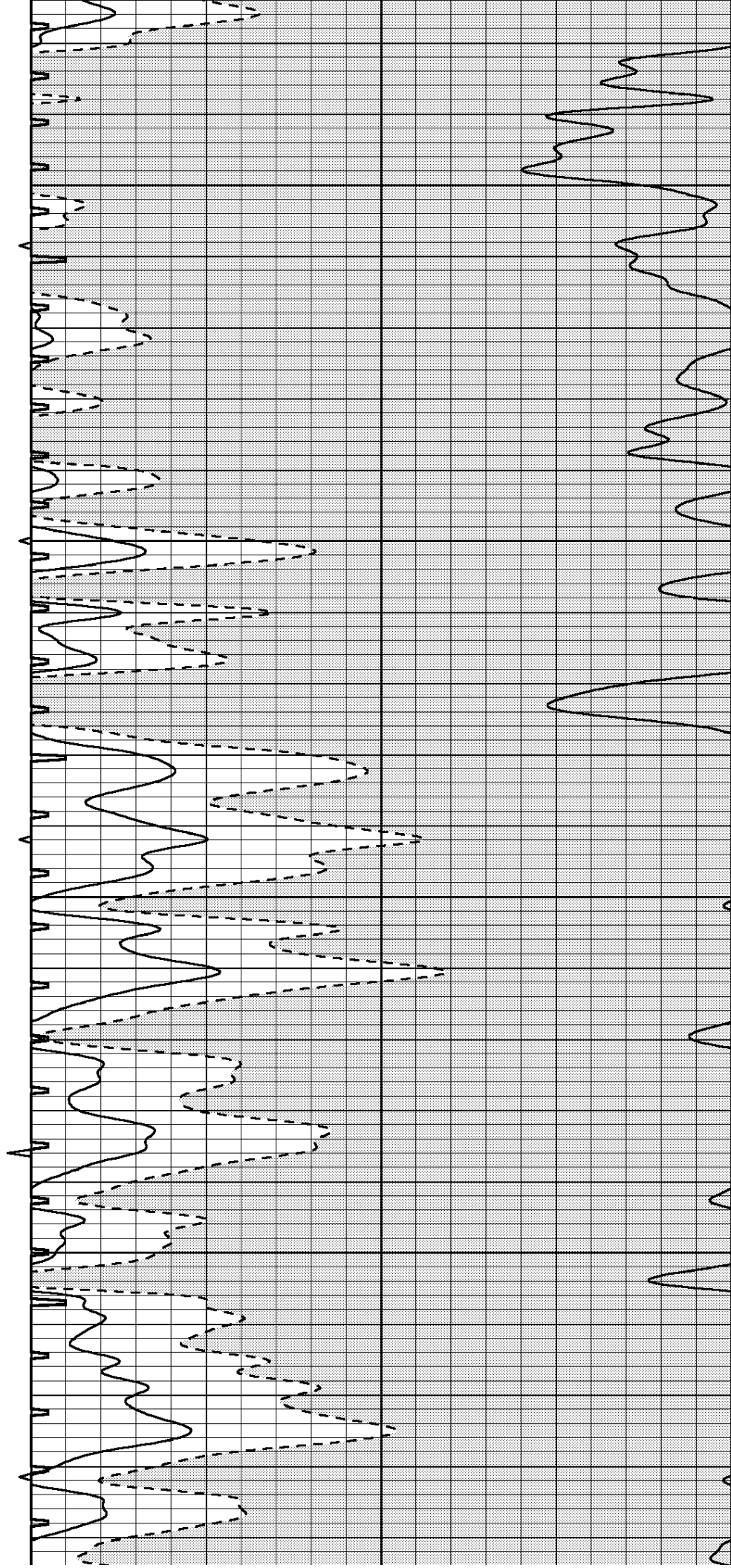


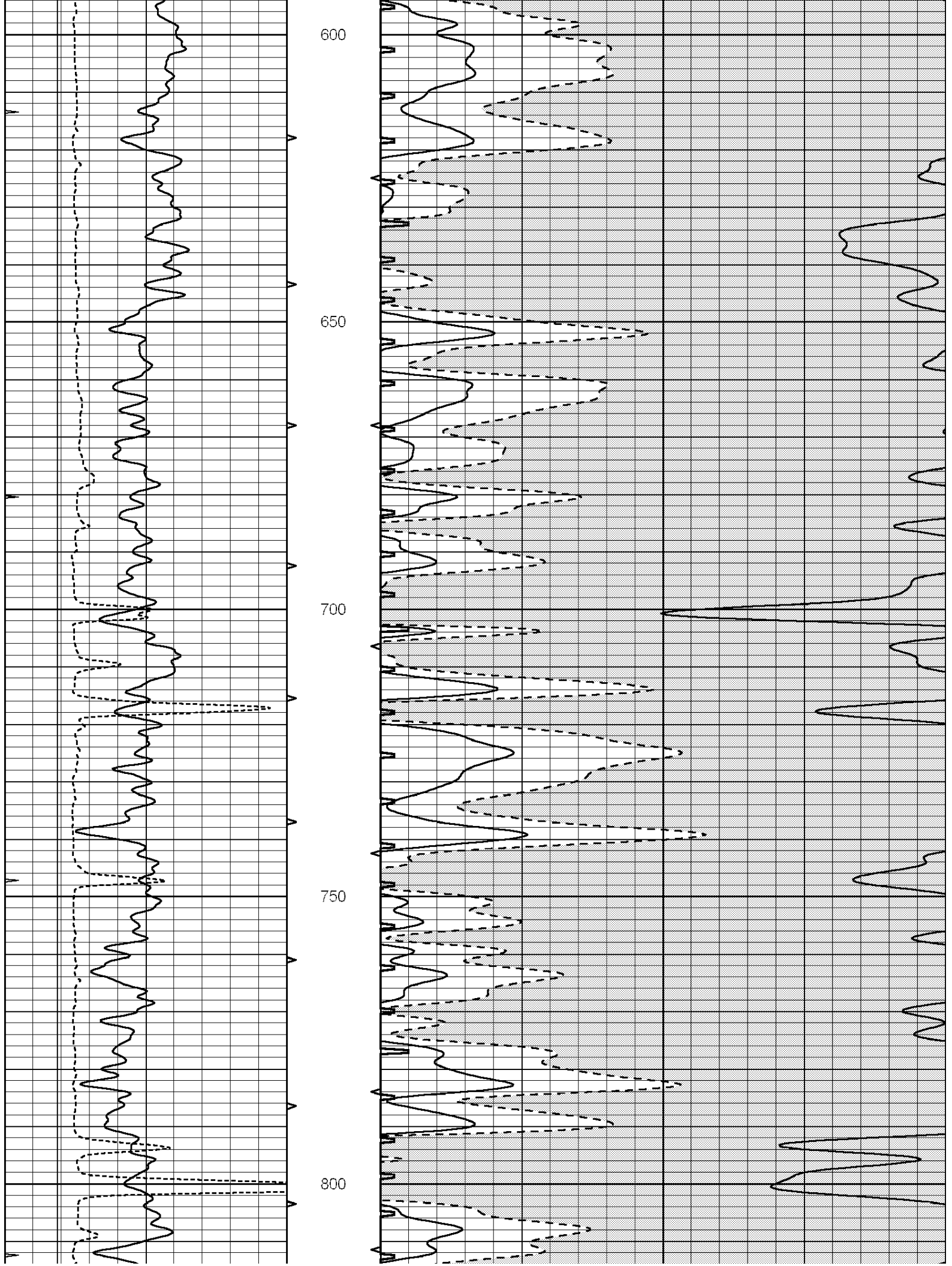
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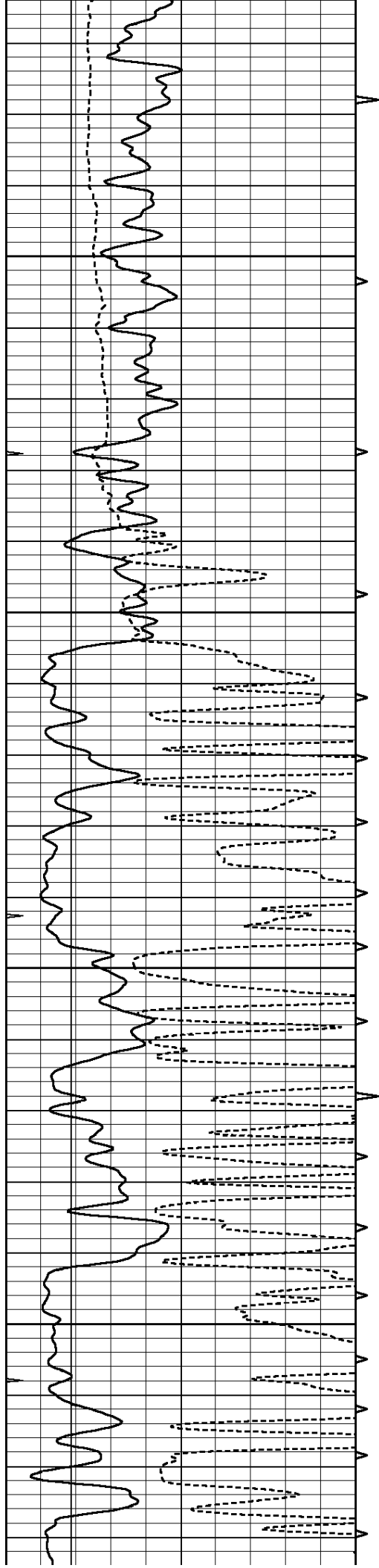
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500

550





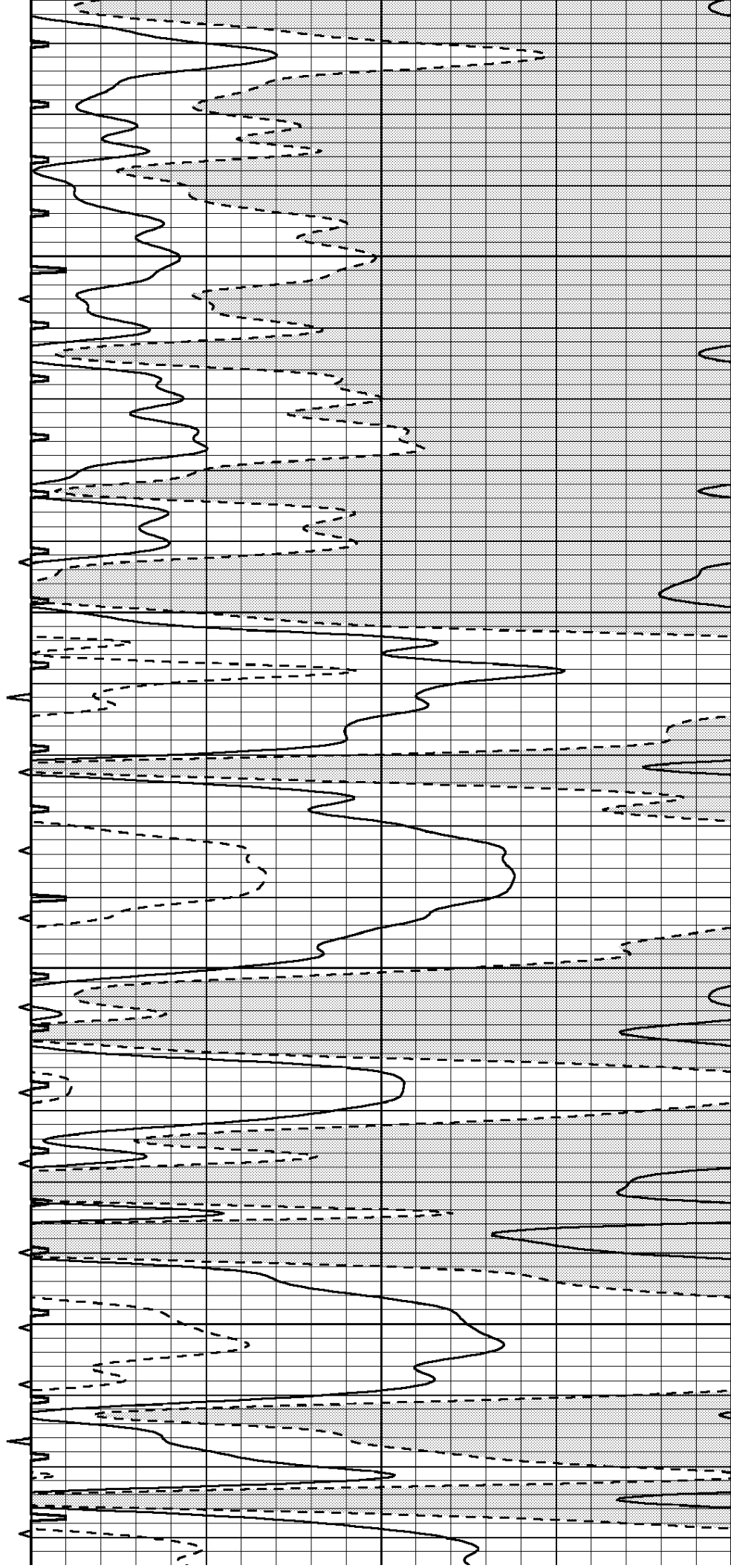


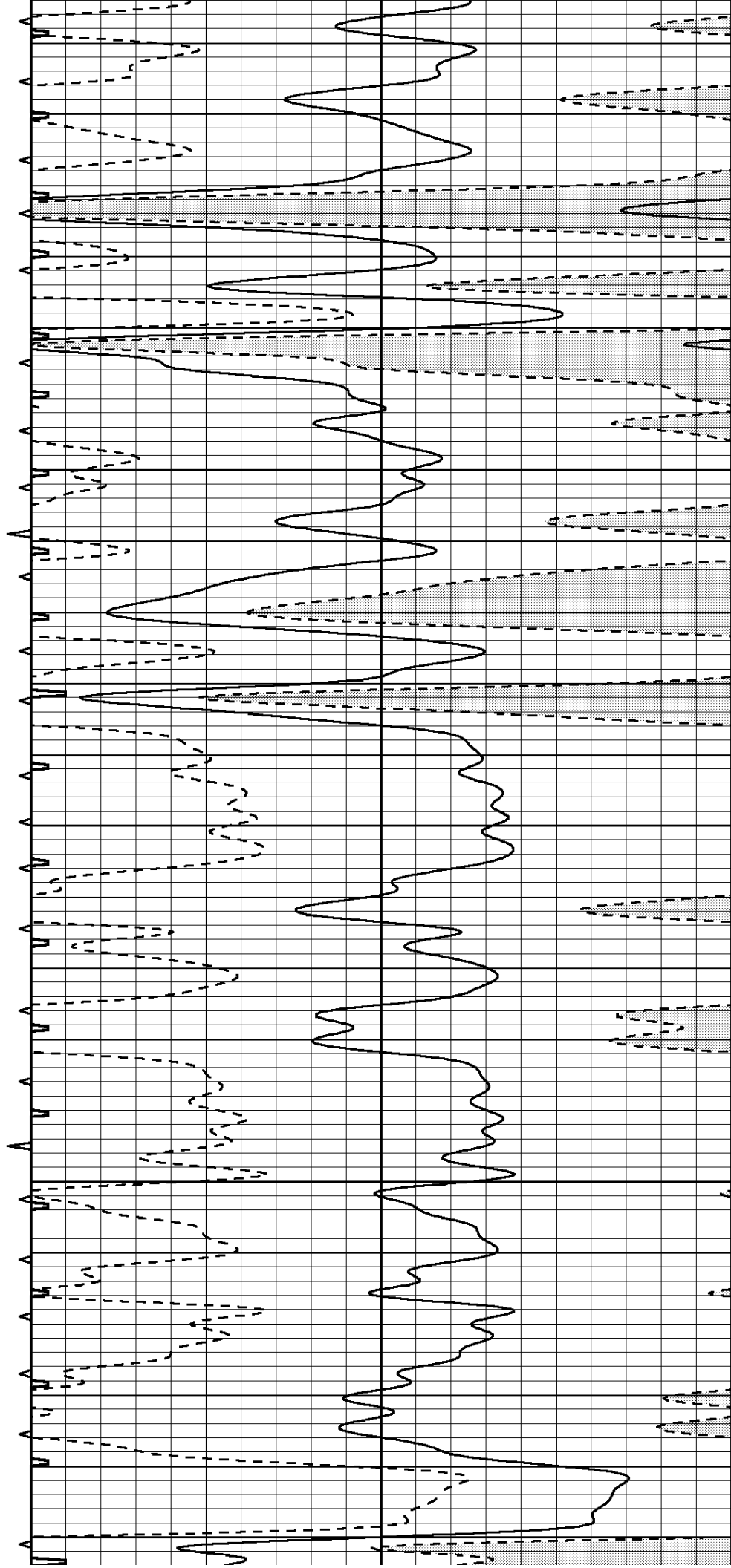
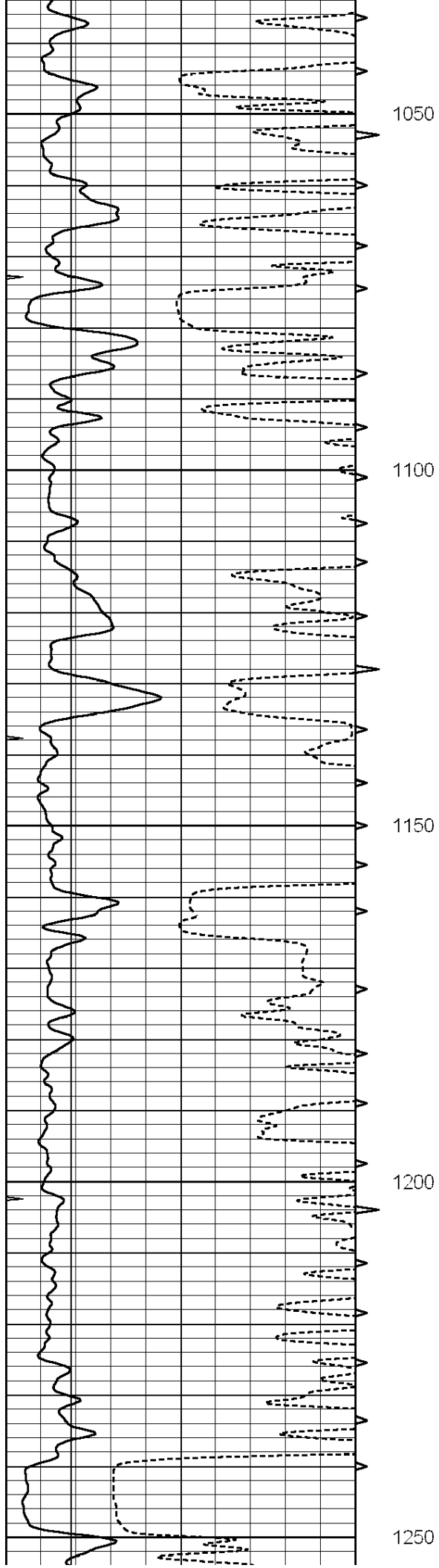
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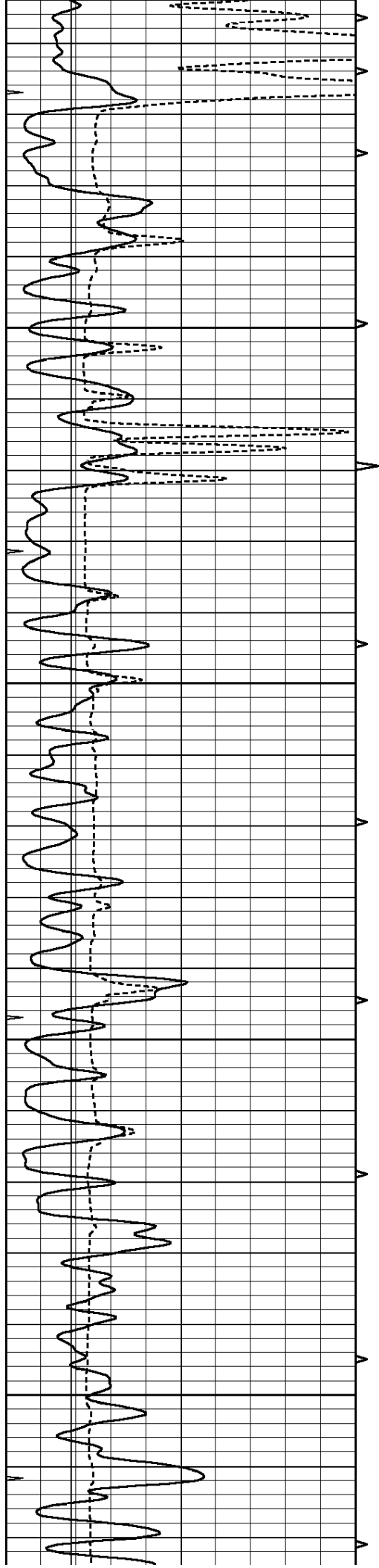
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1000





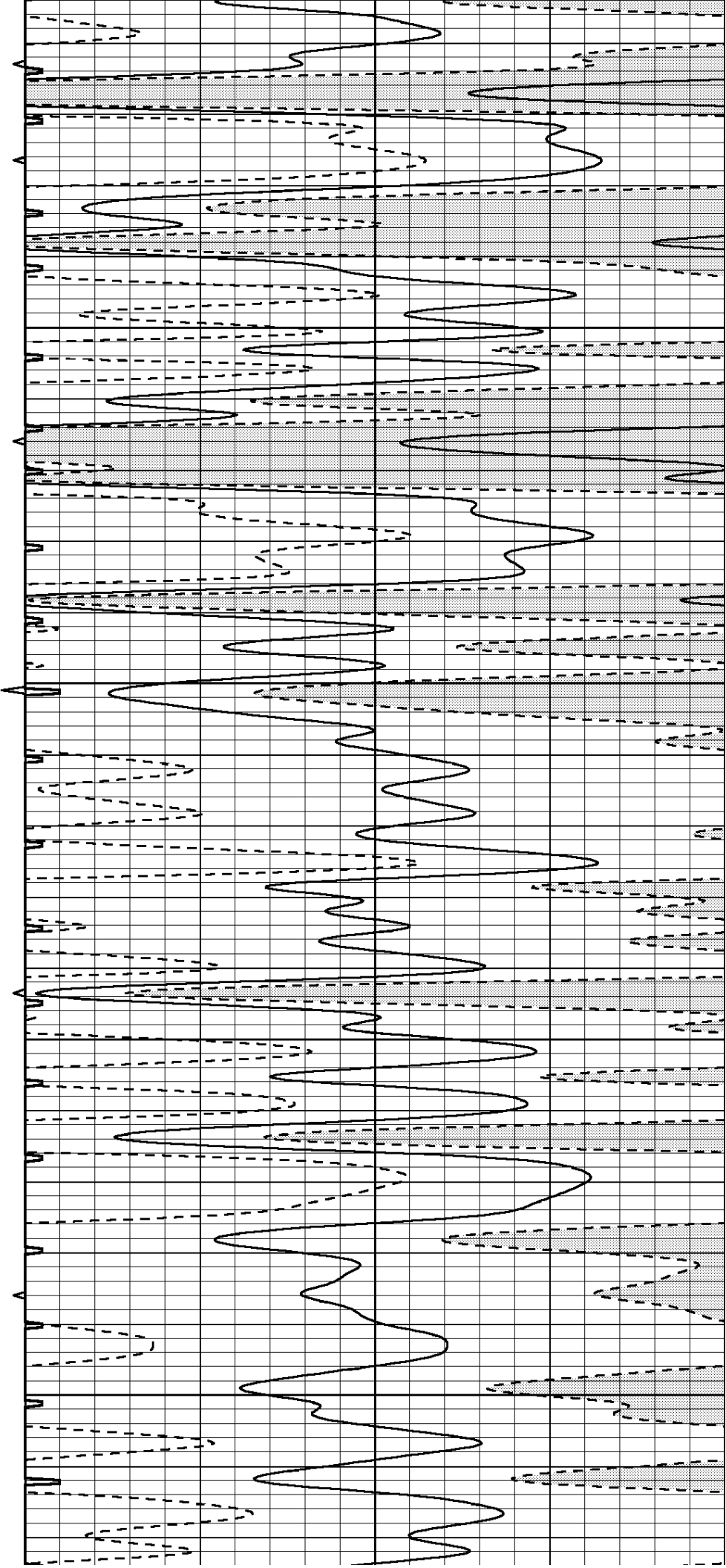


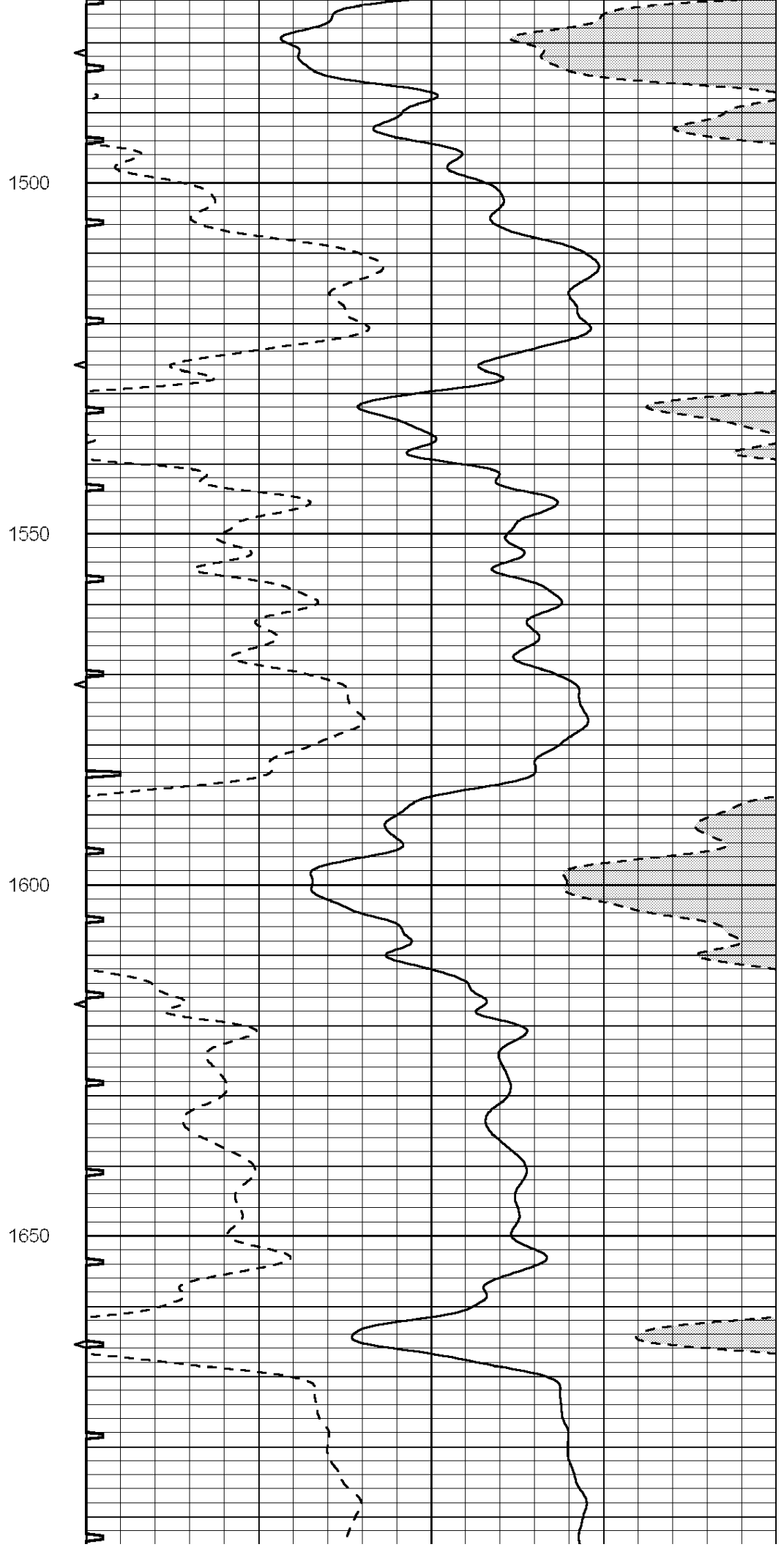
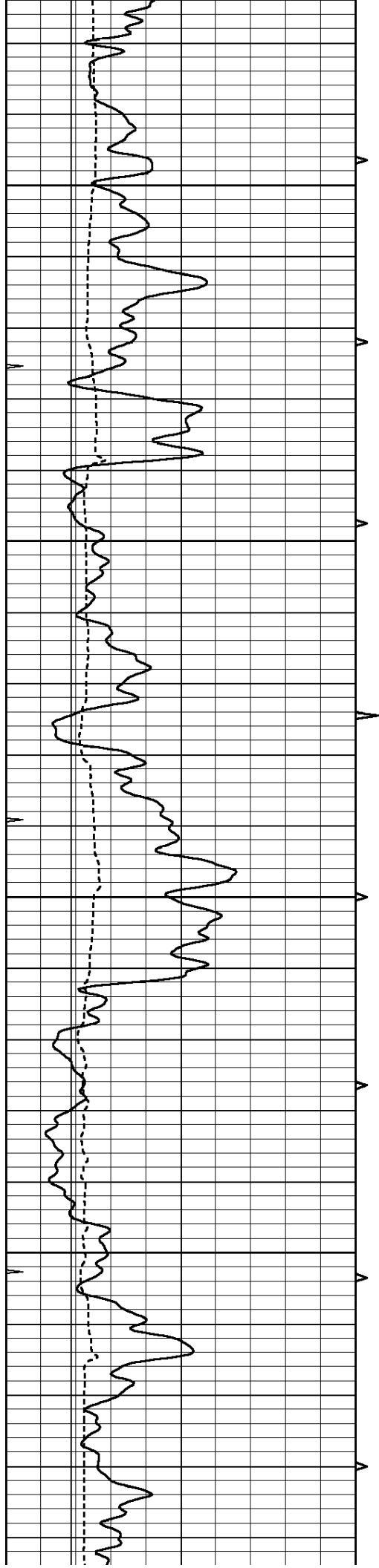
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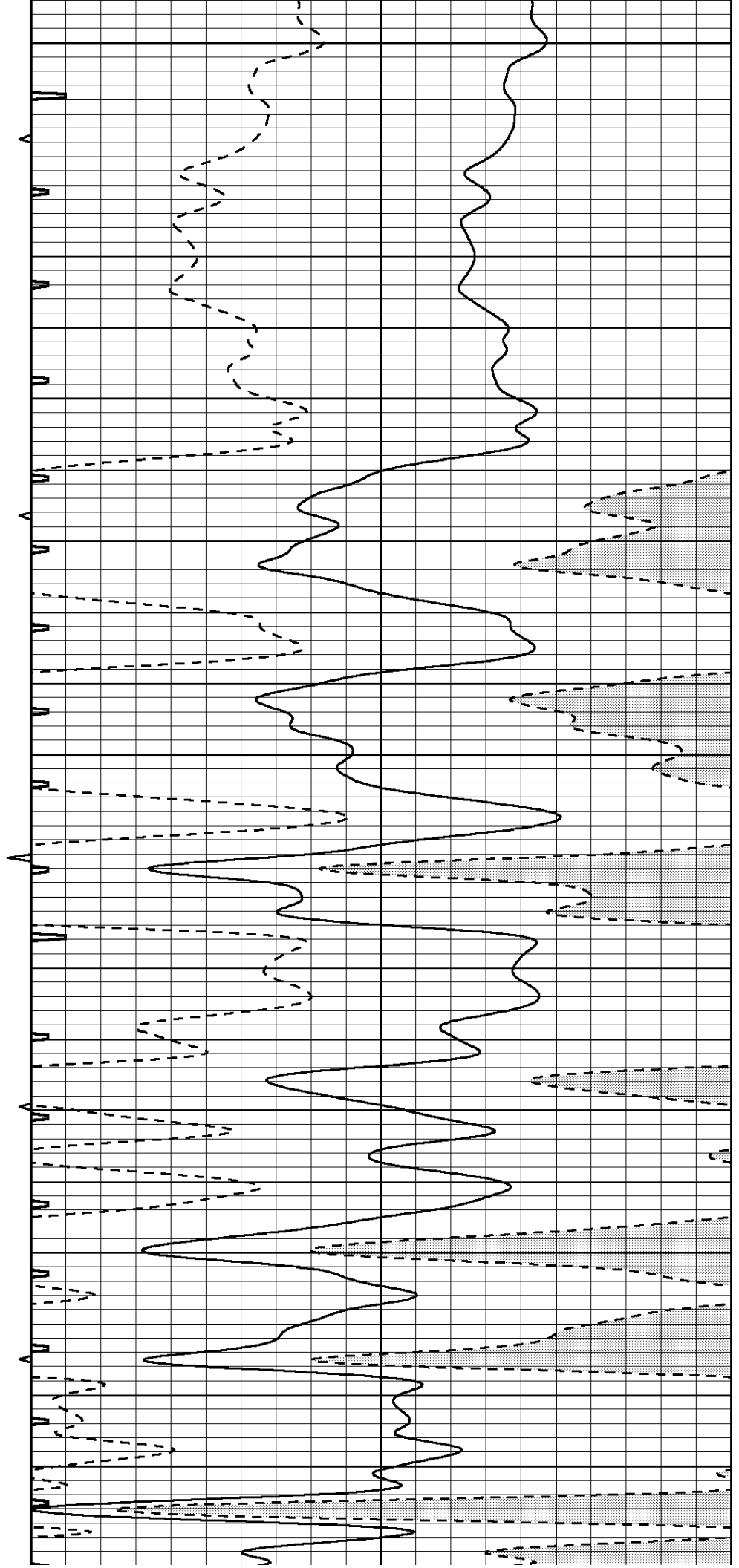
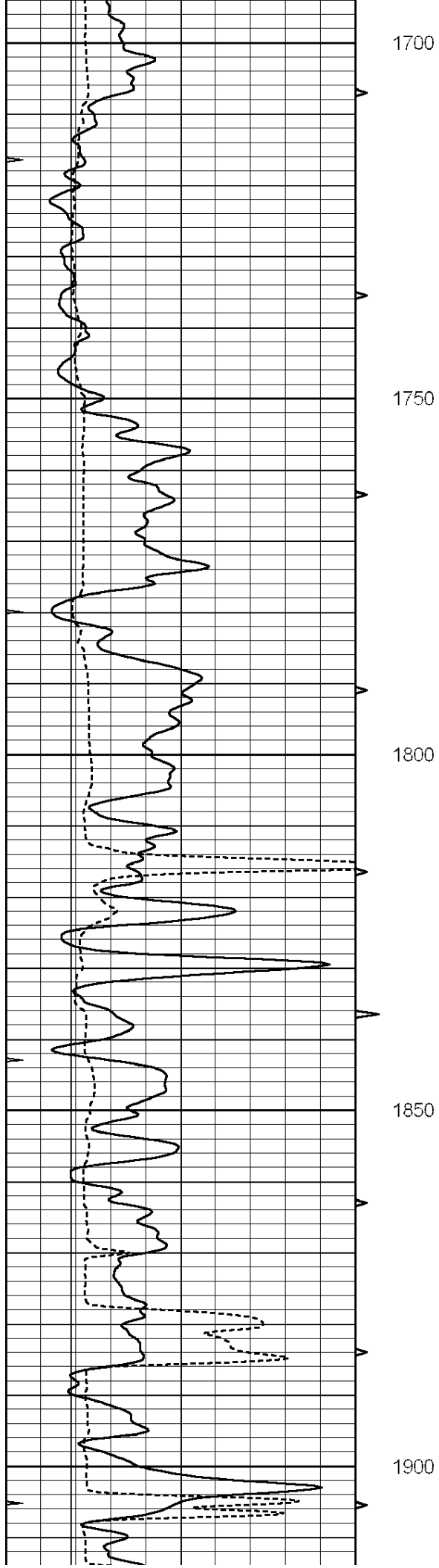
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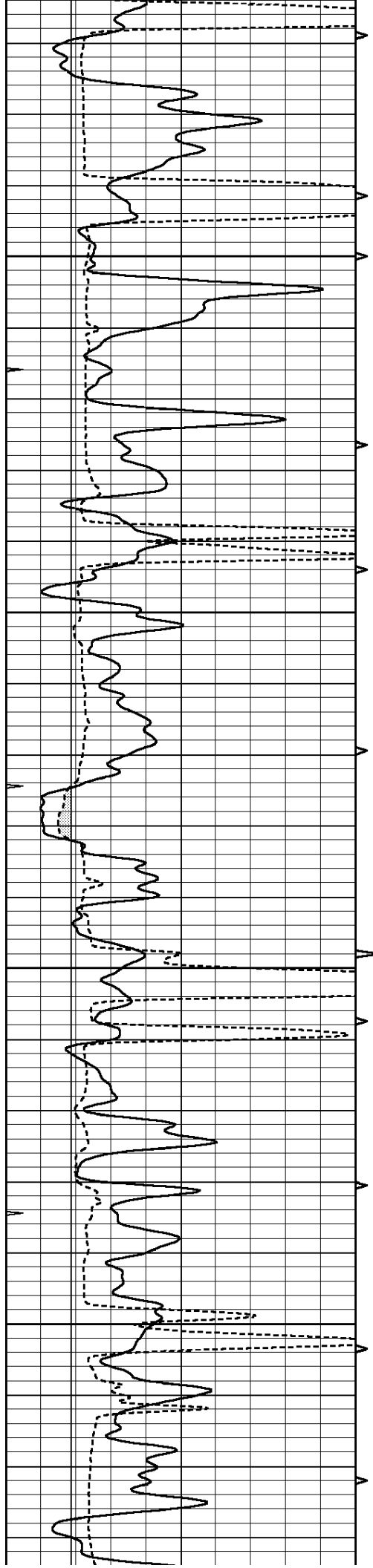
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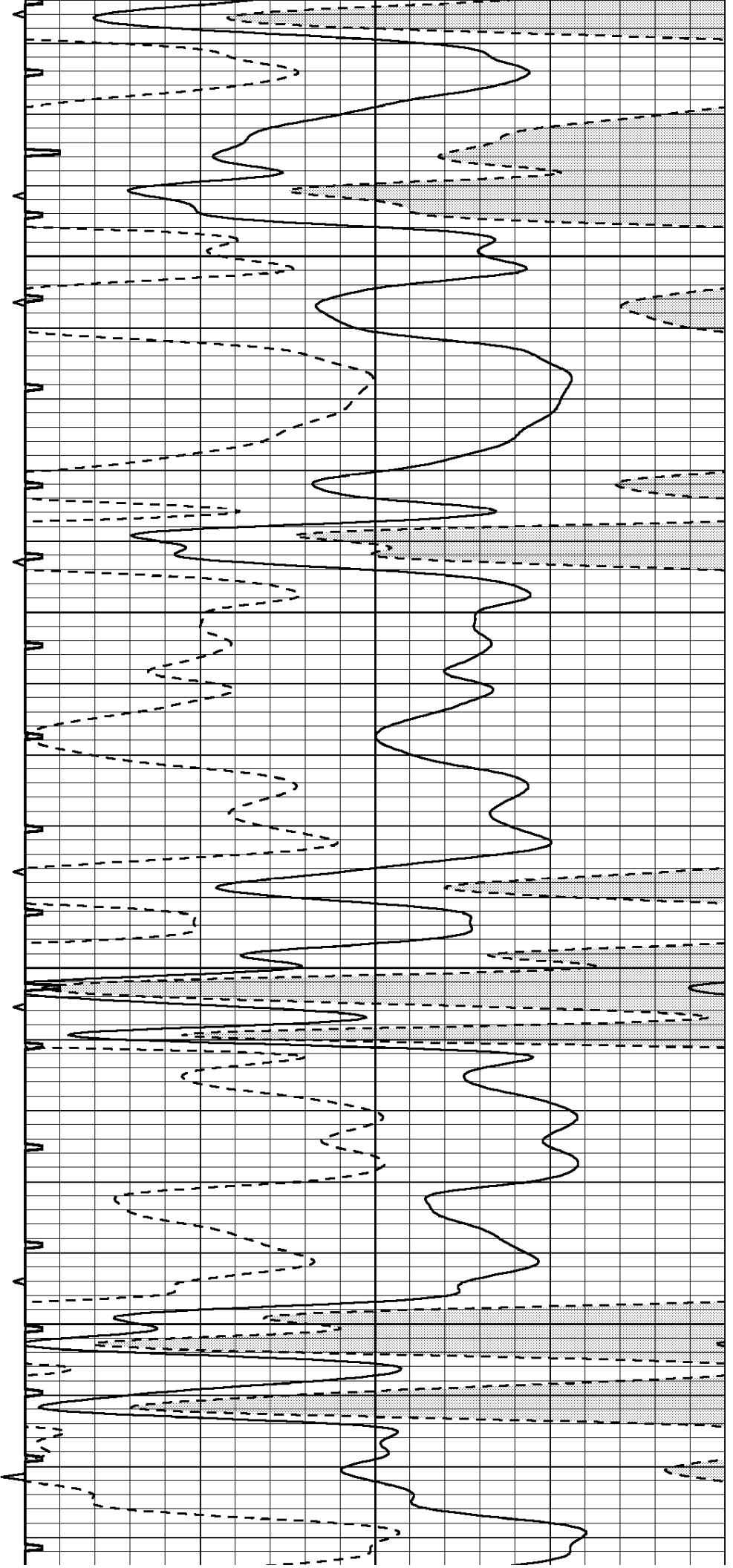


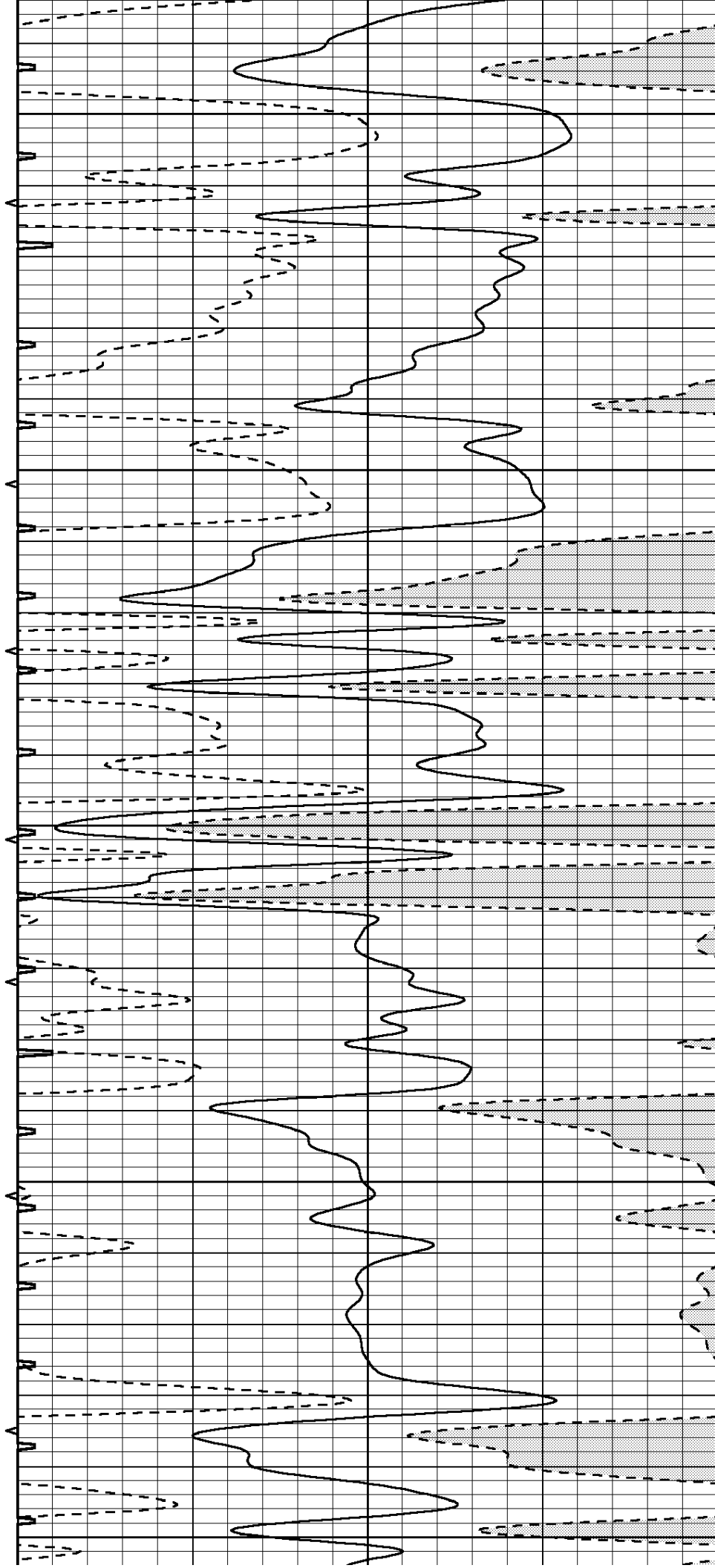
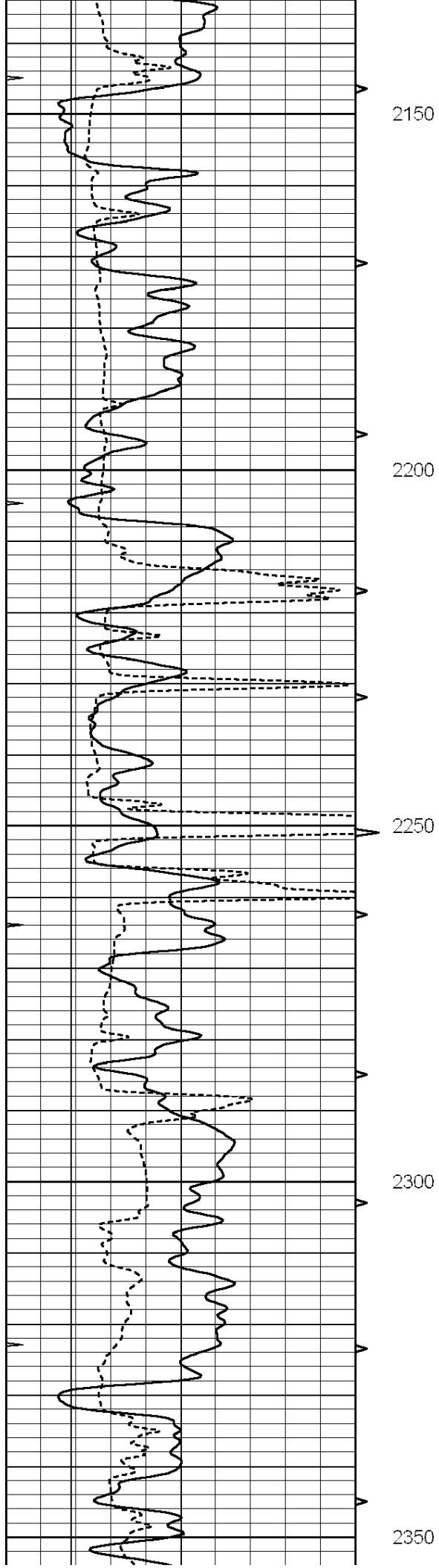
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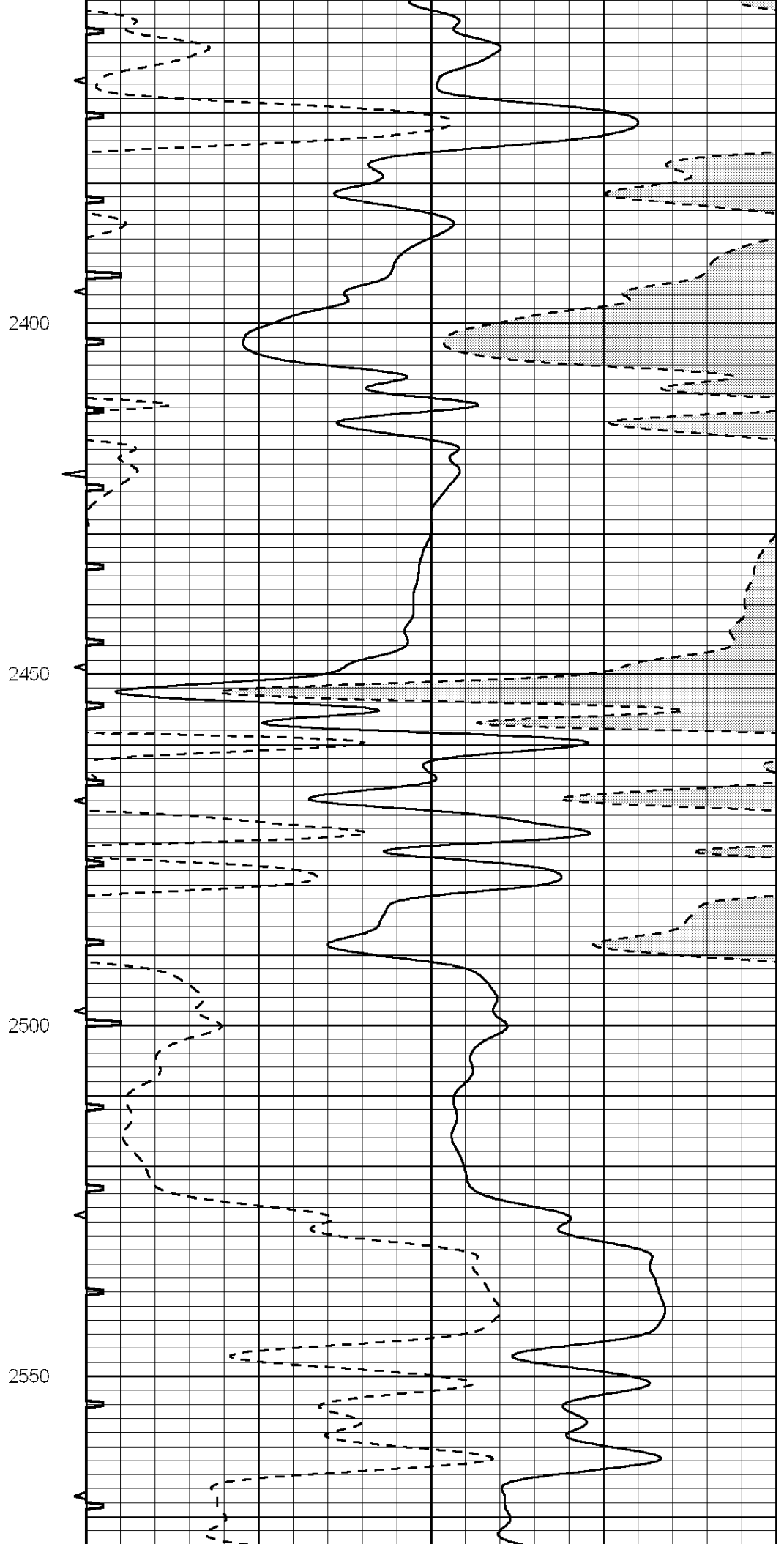
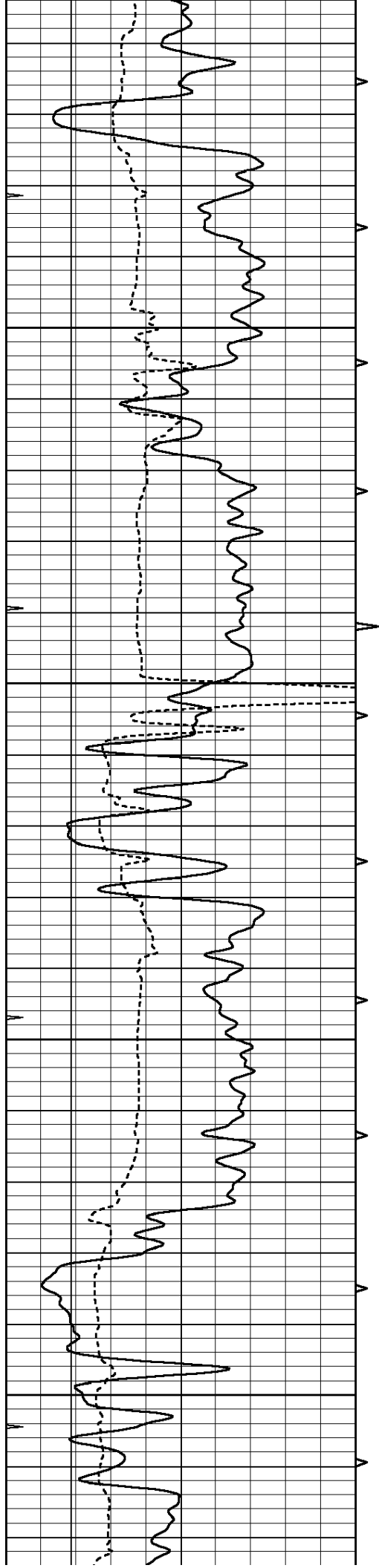
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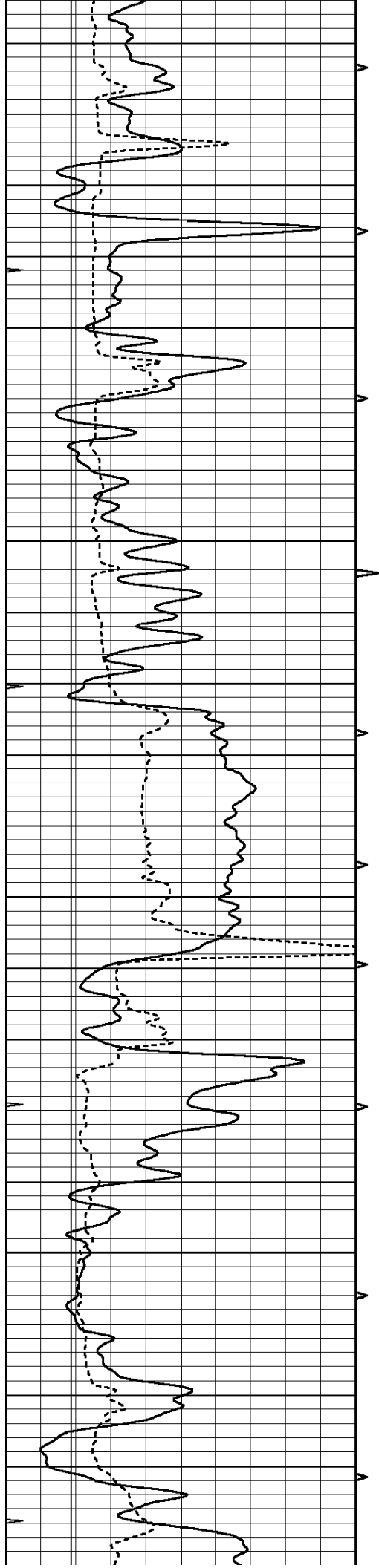
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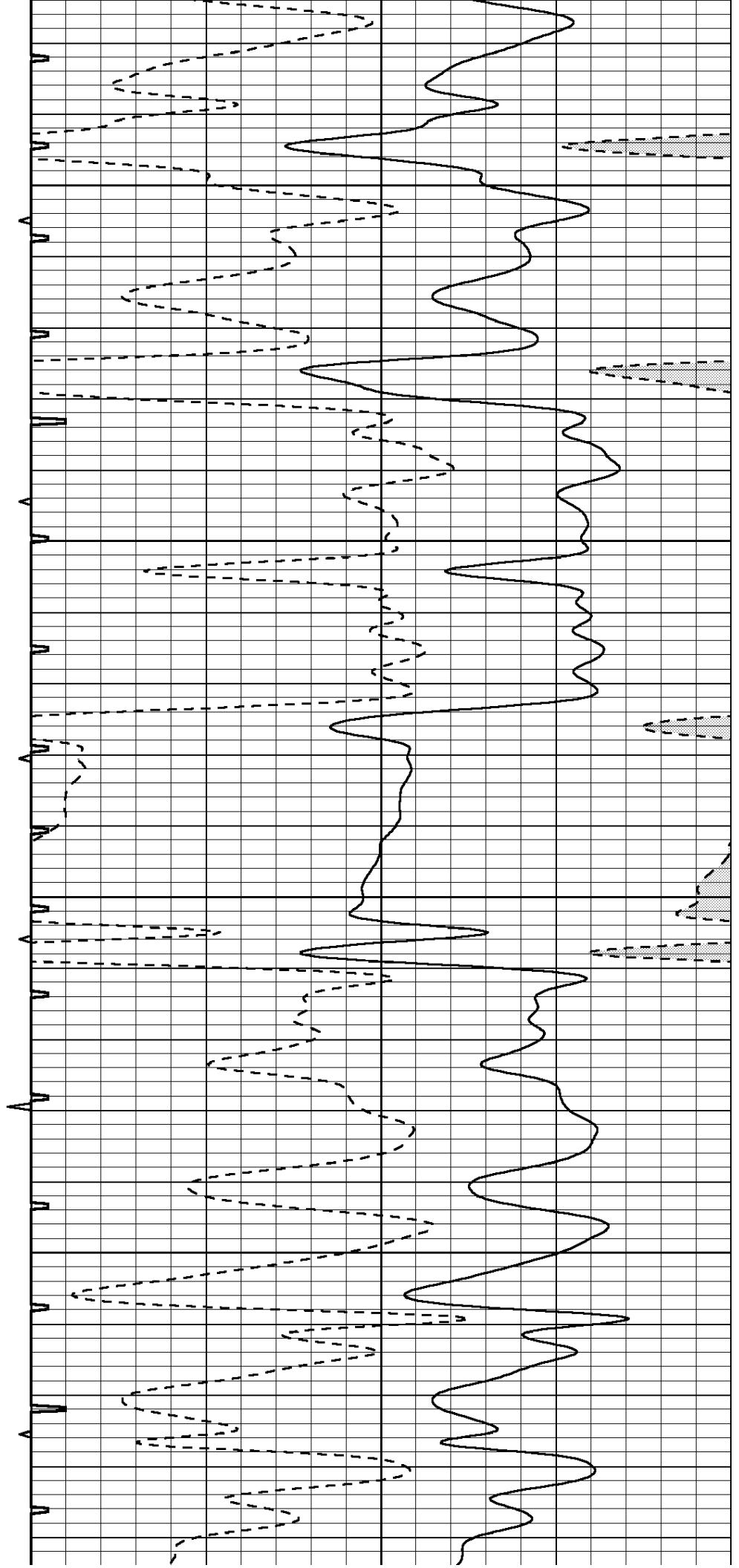


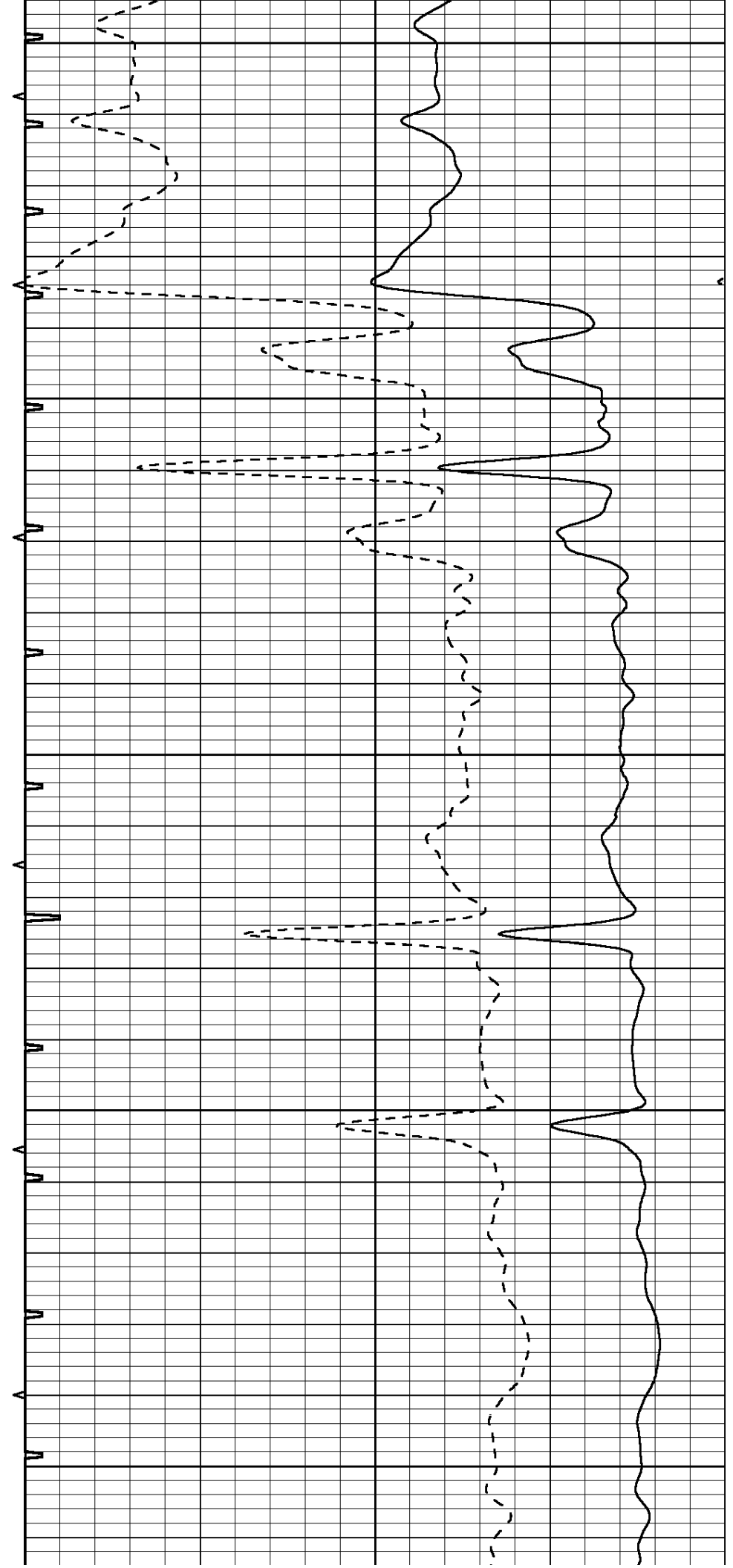
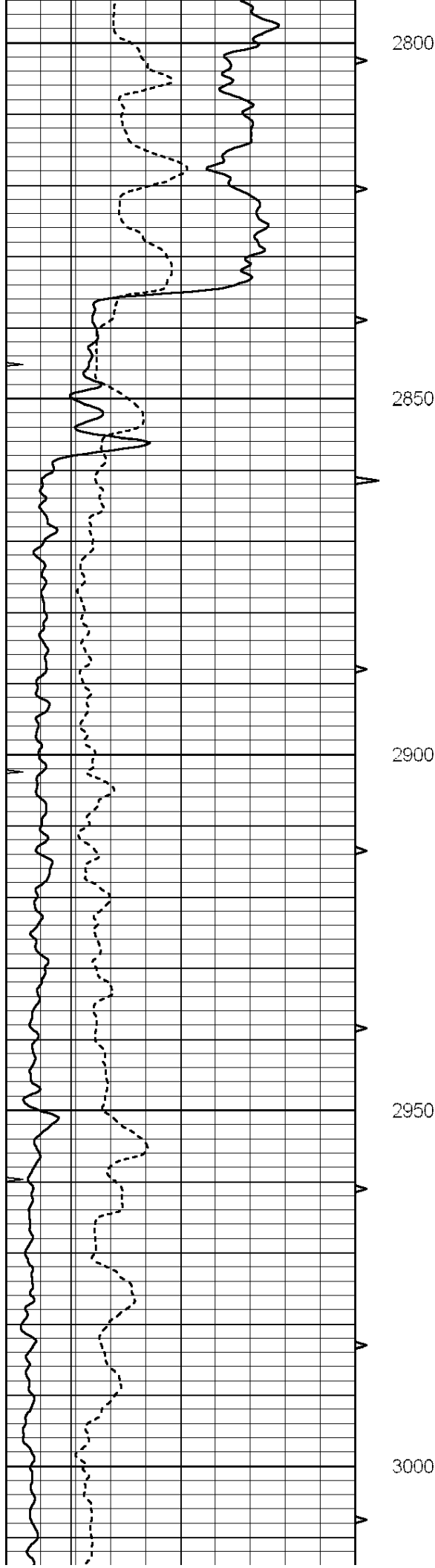
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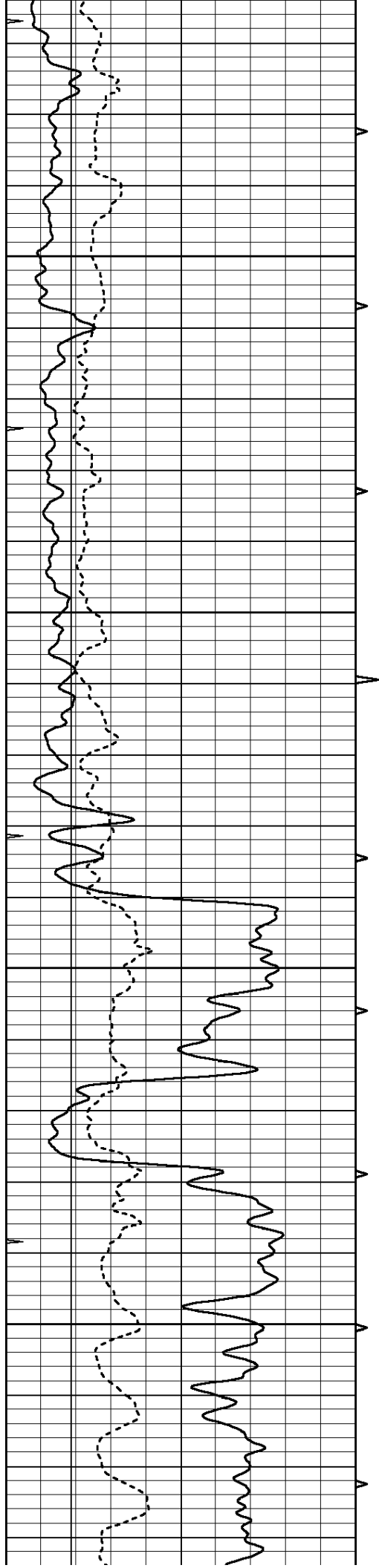
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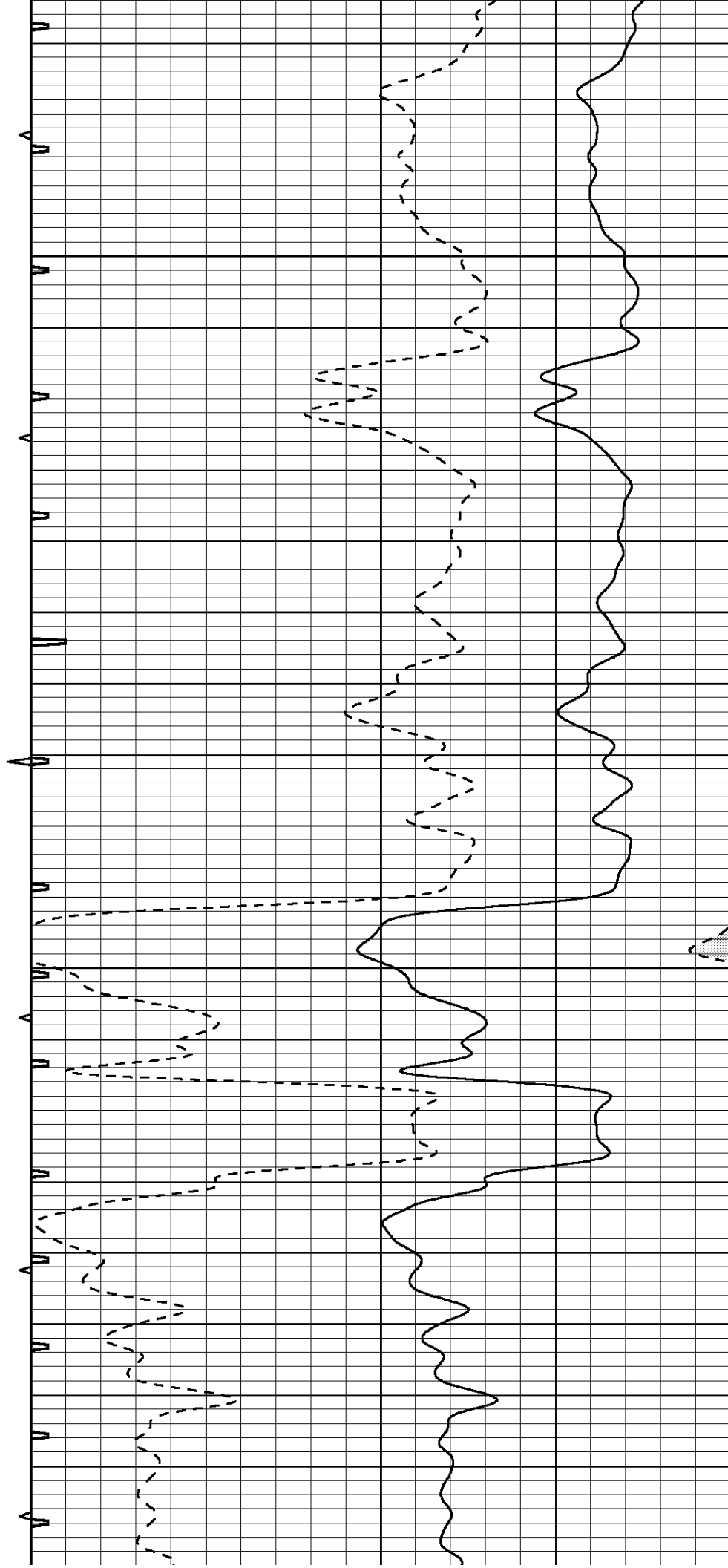


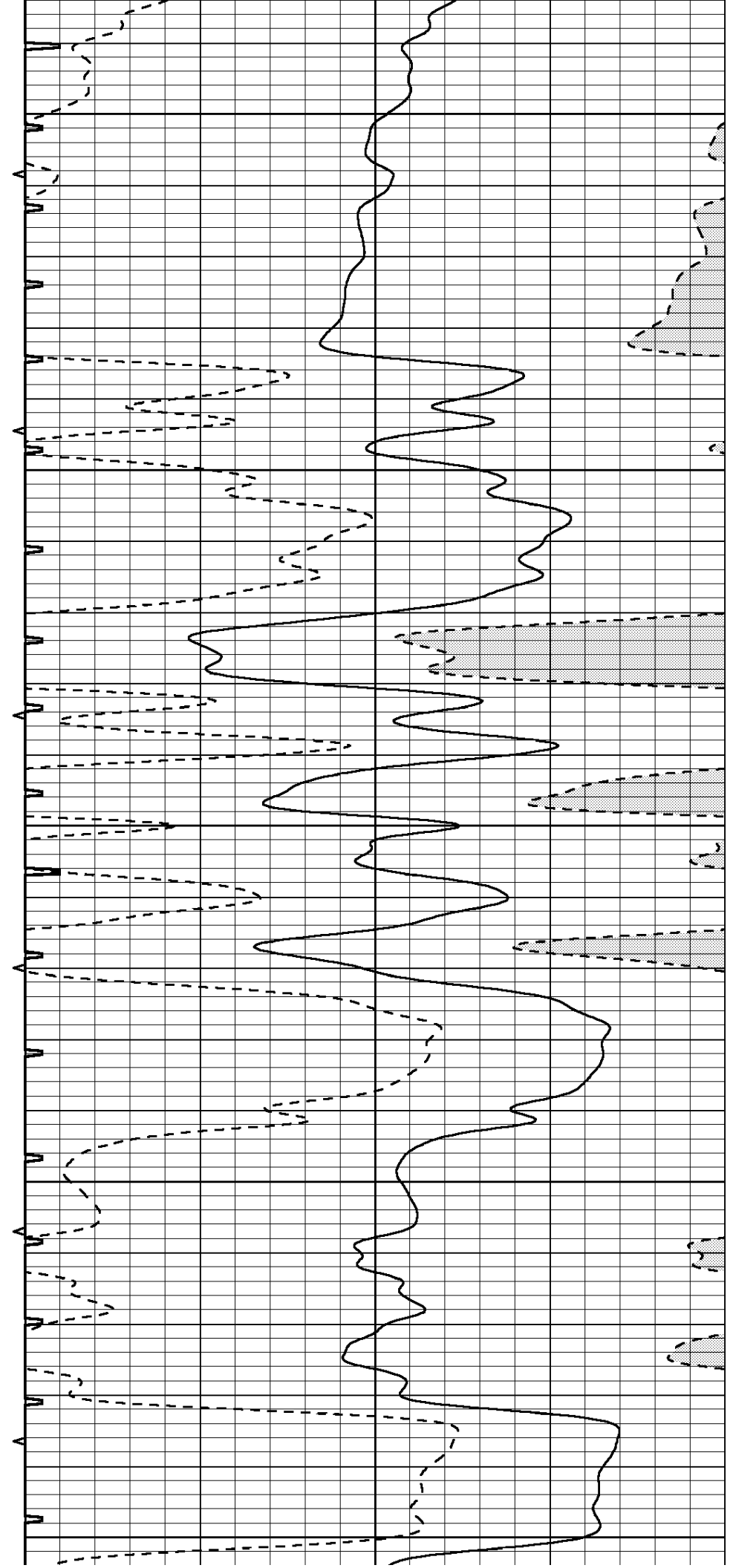
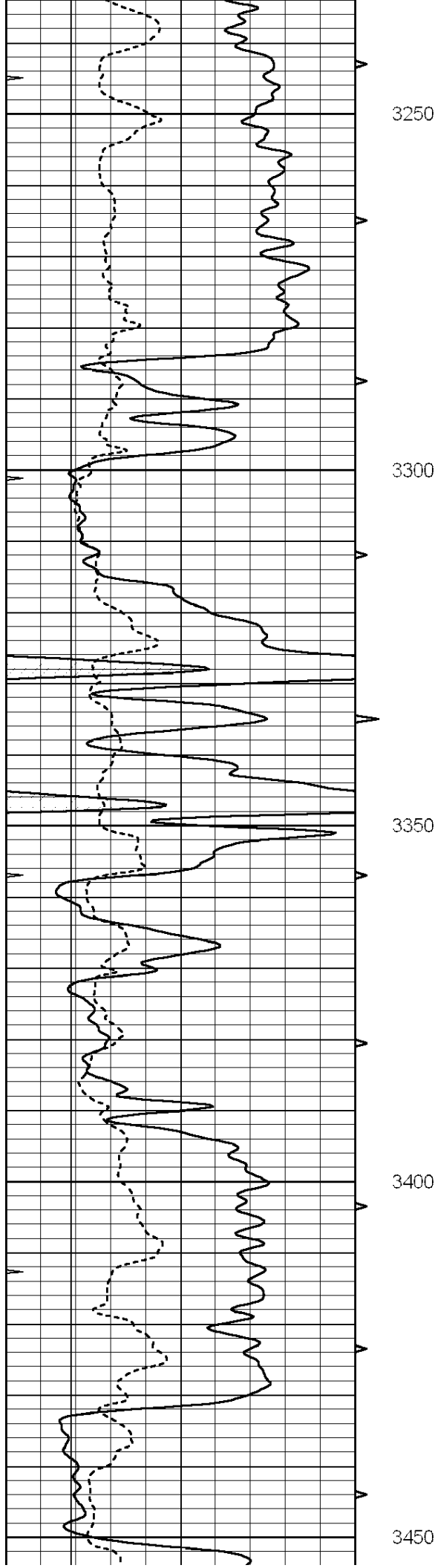
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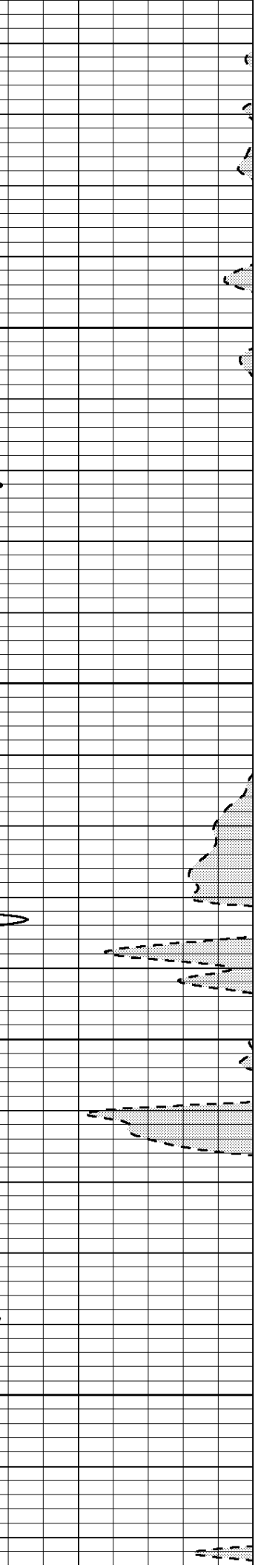
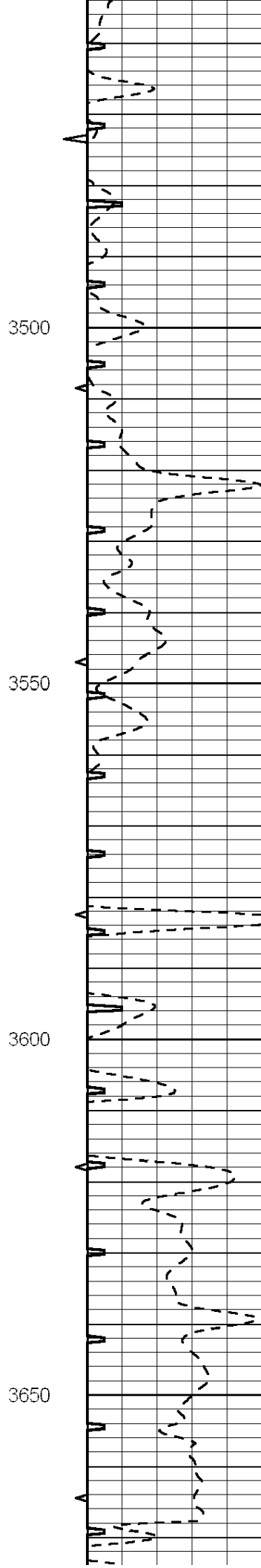
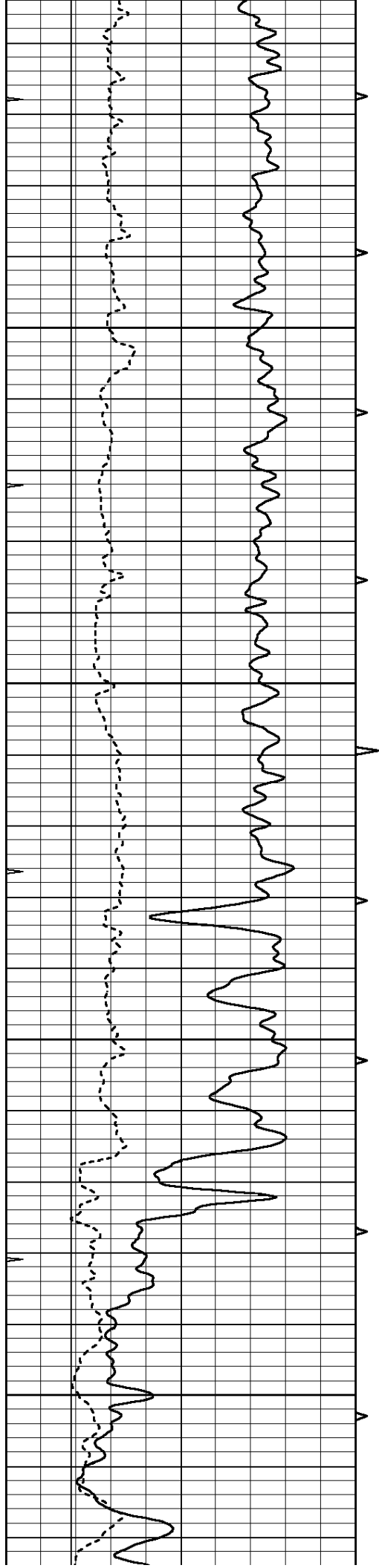
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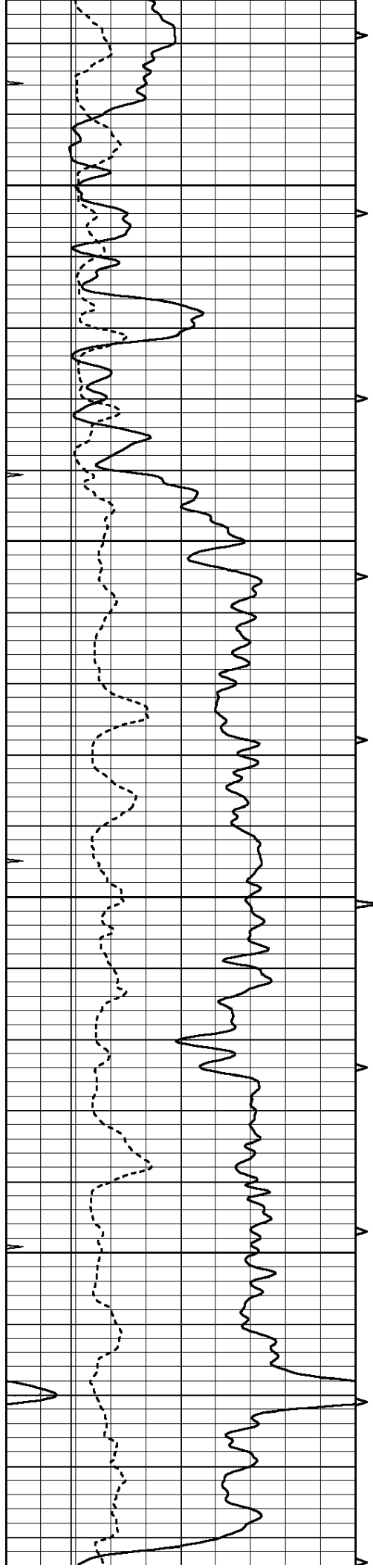
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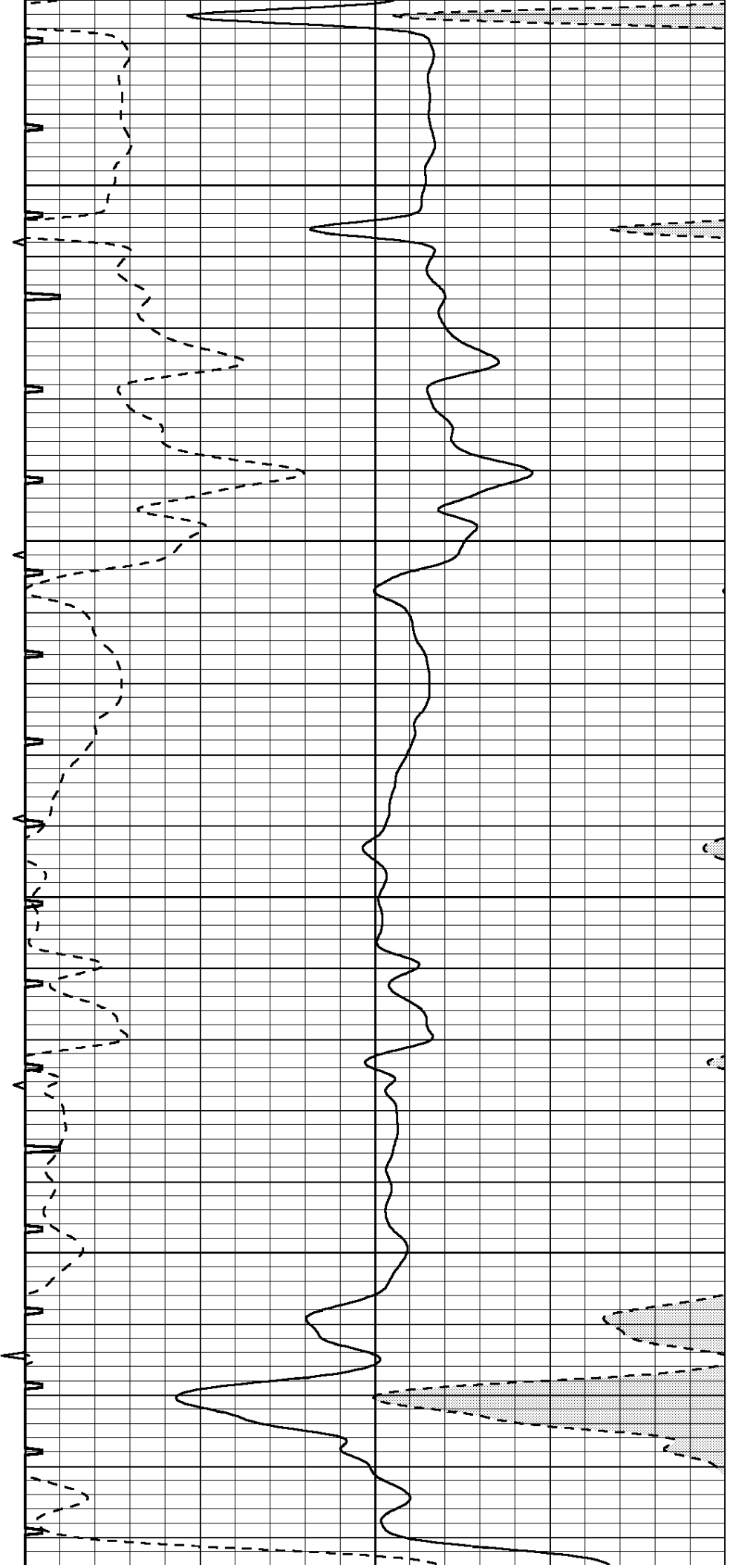


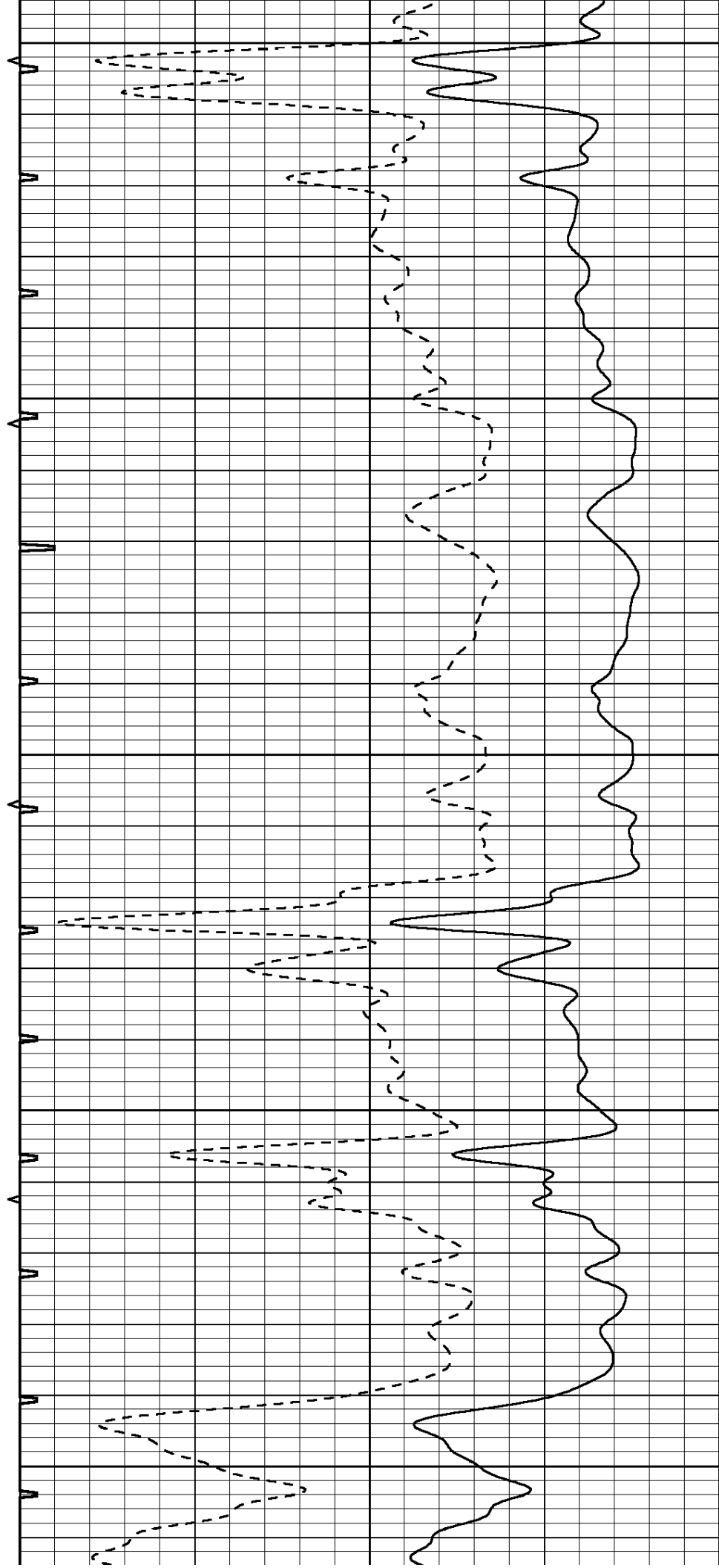
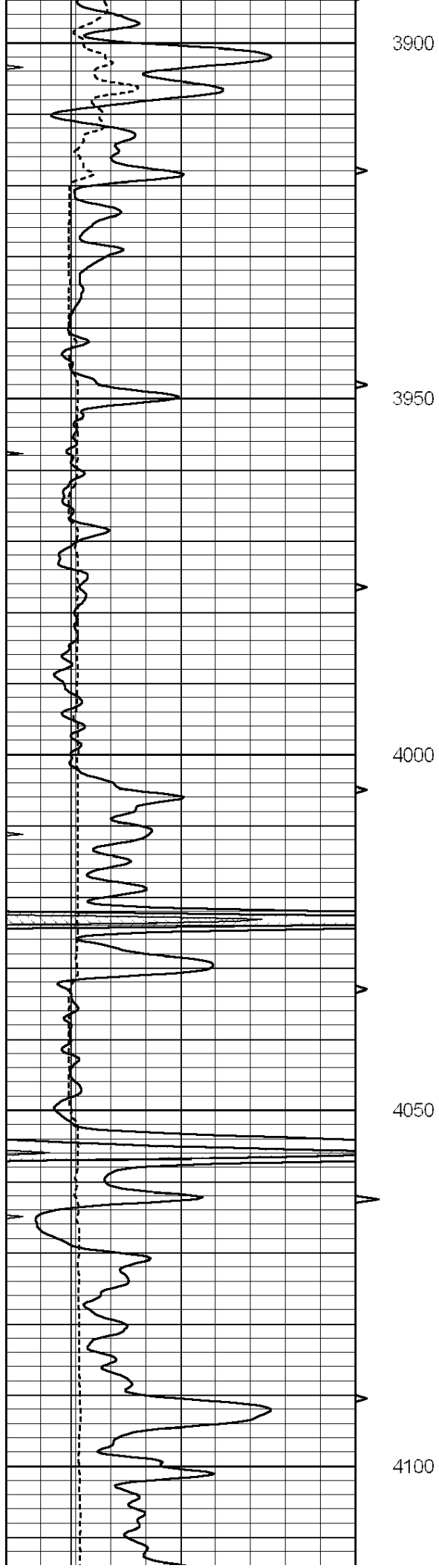
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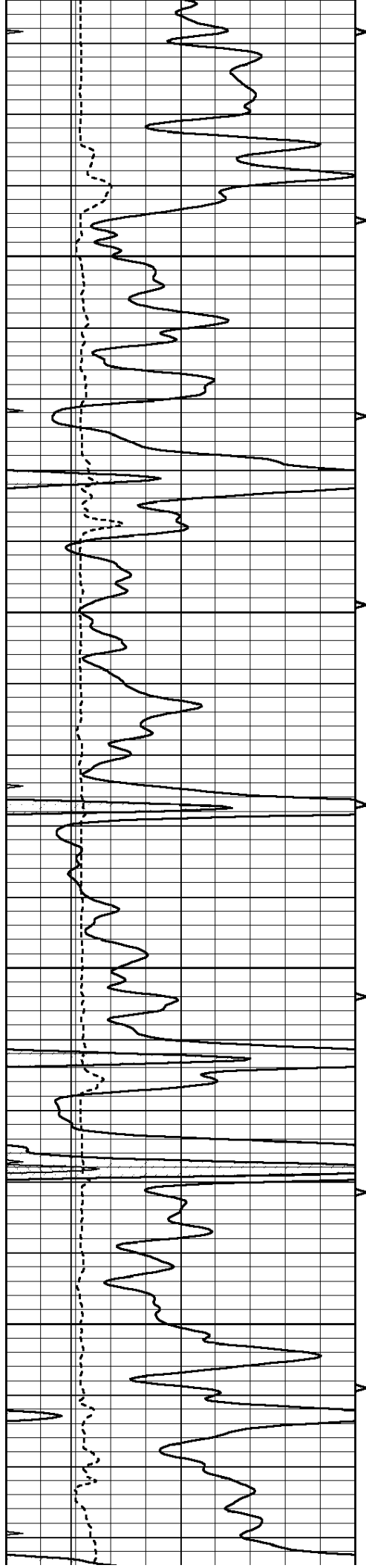
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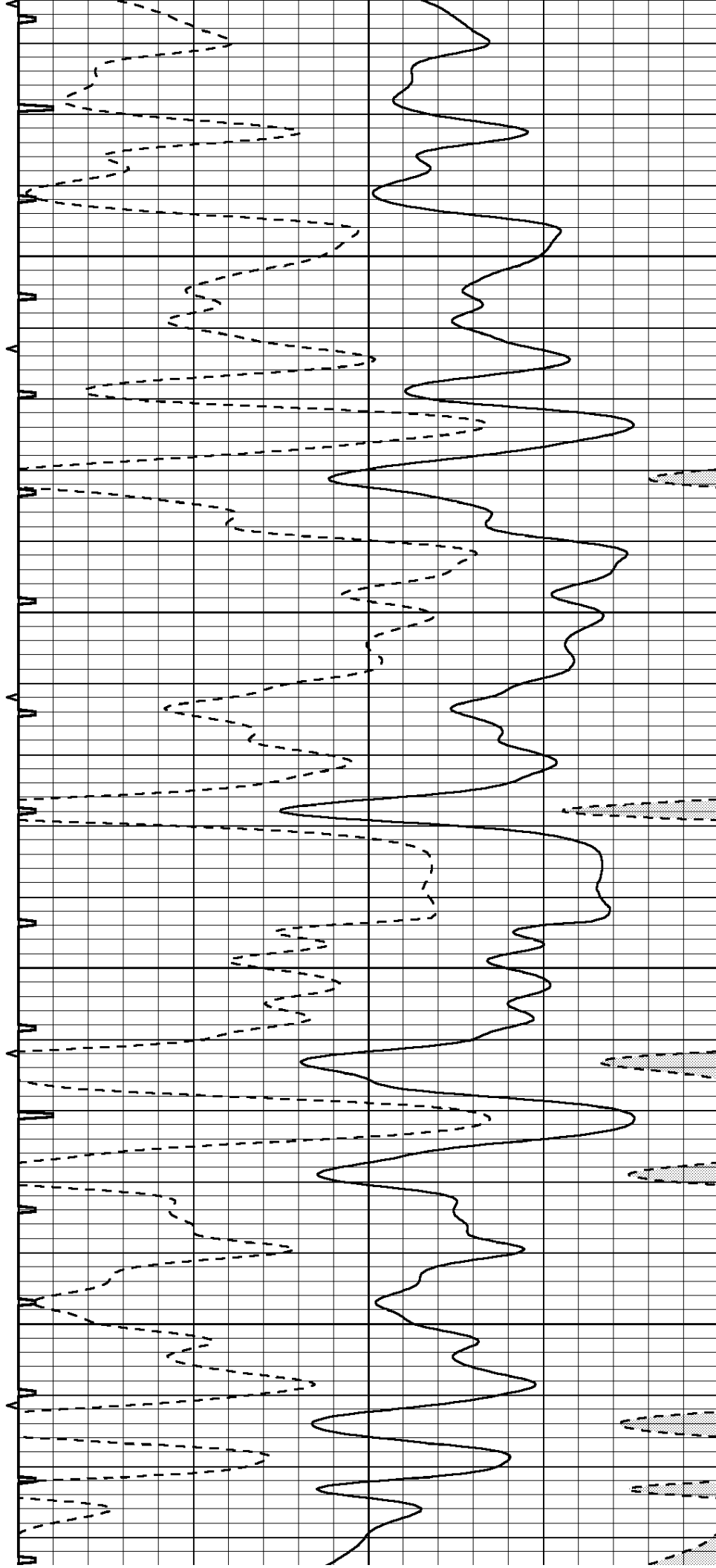


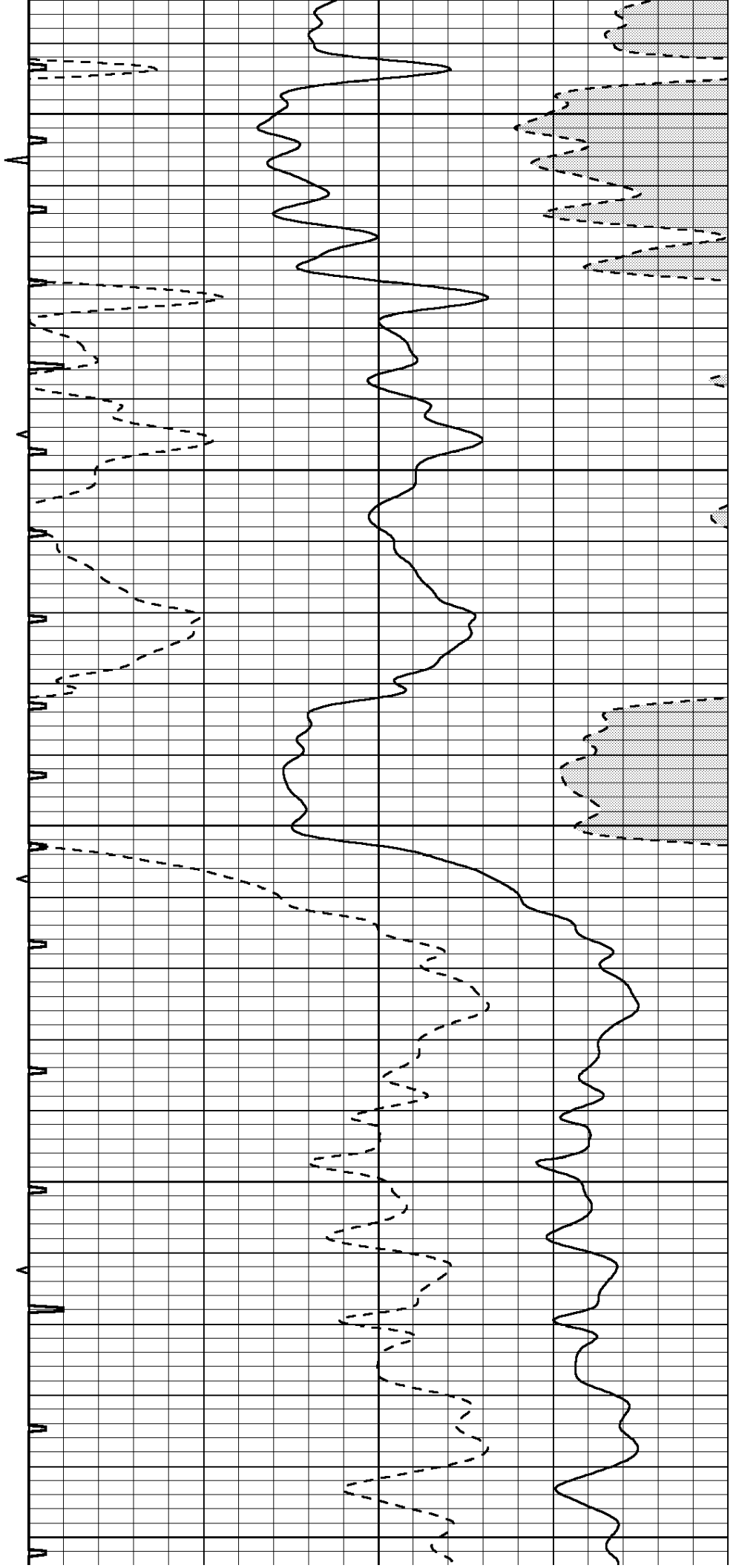
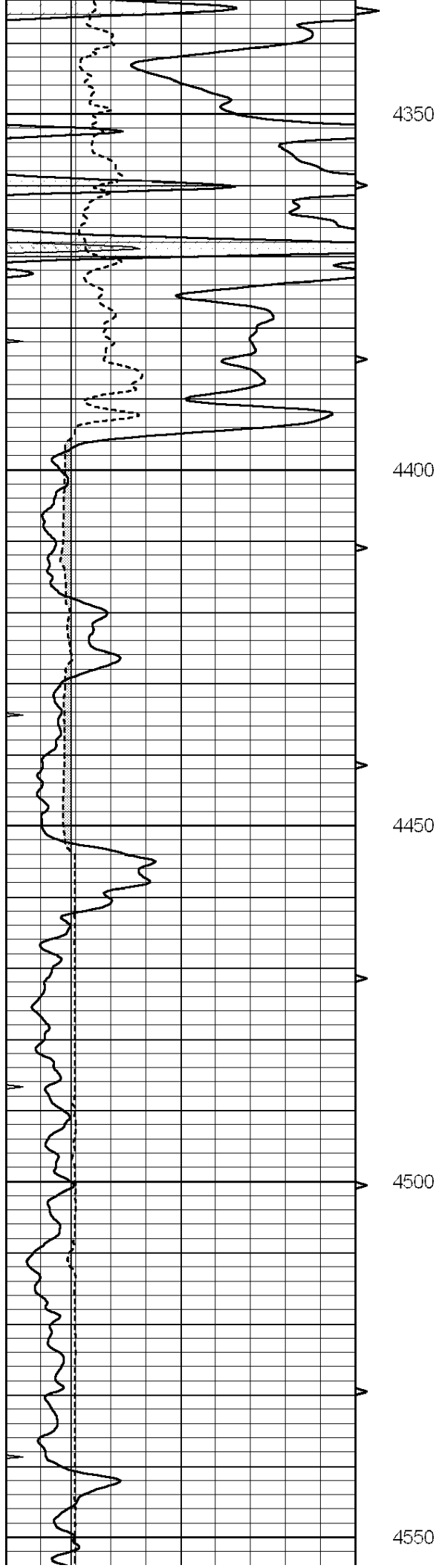
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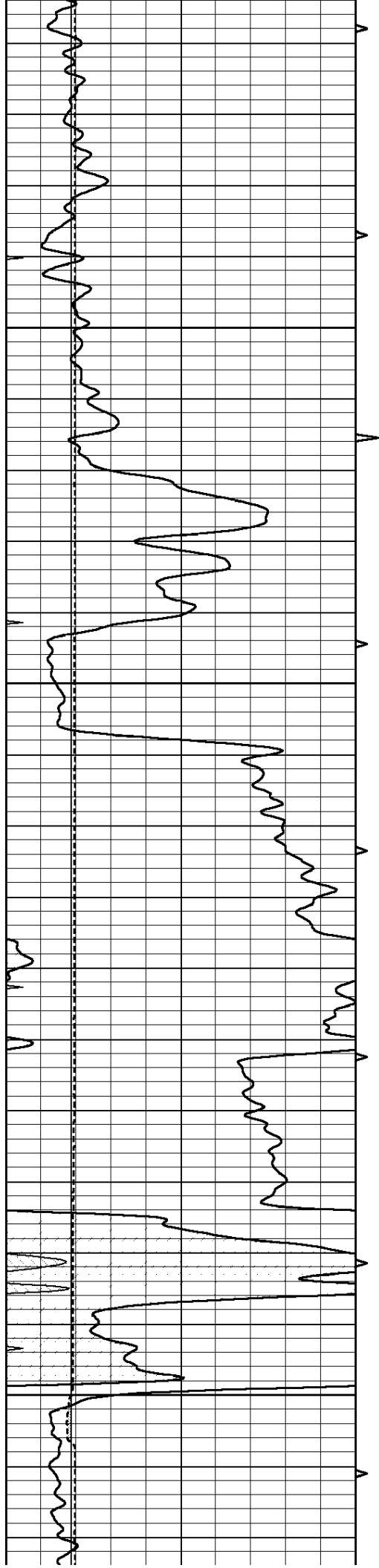
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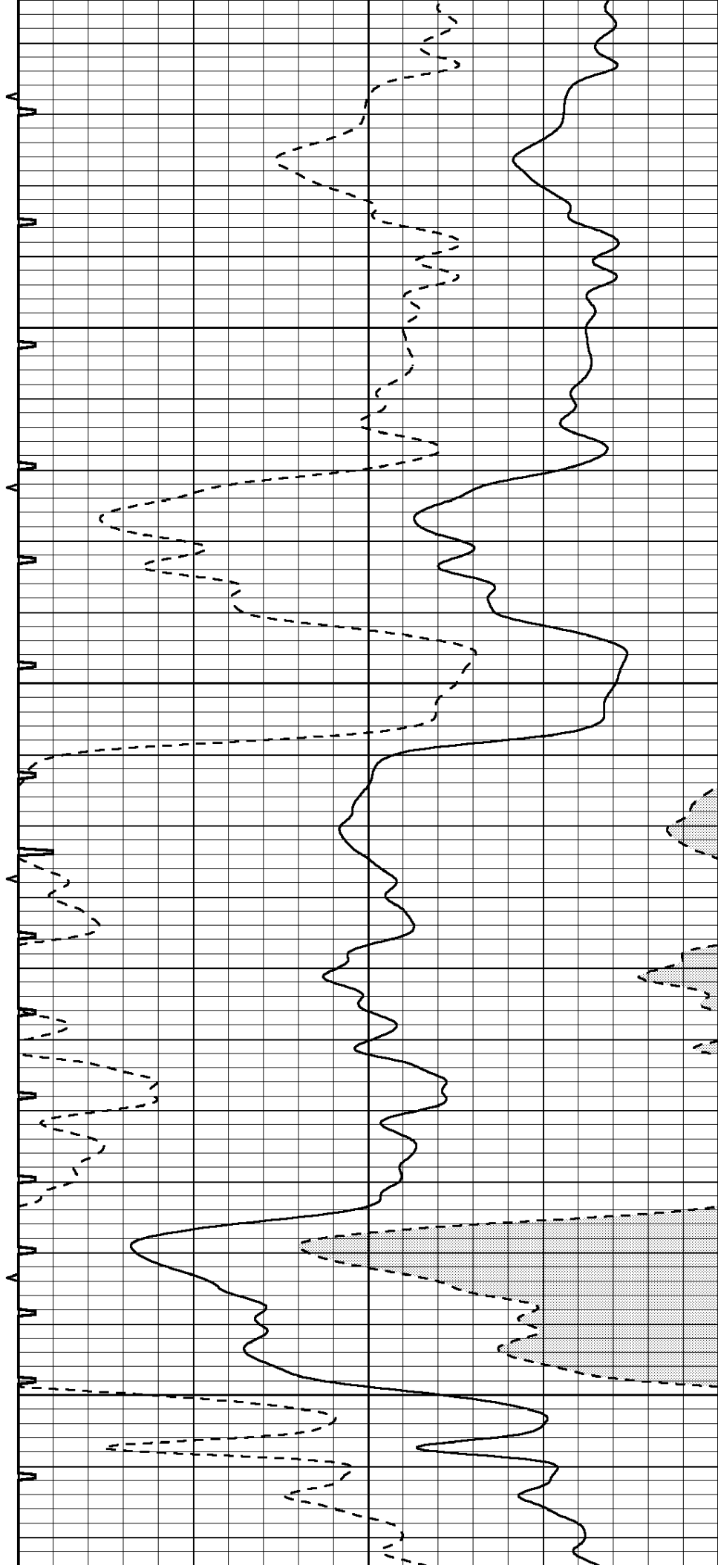


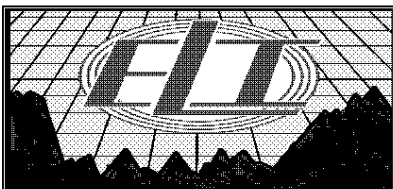
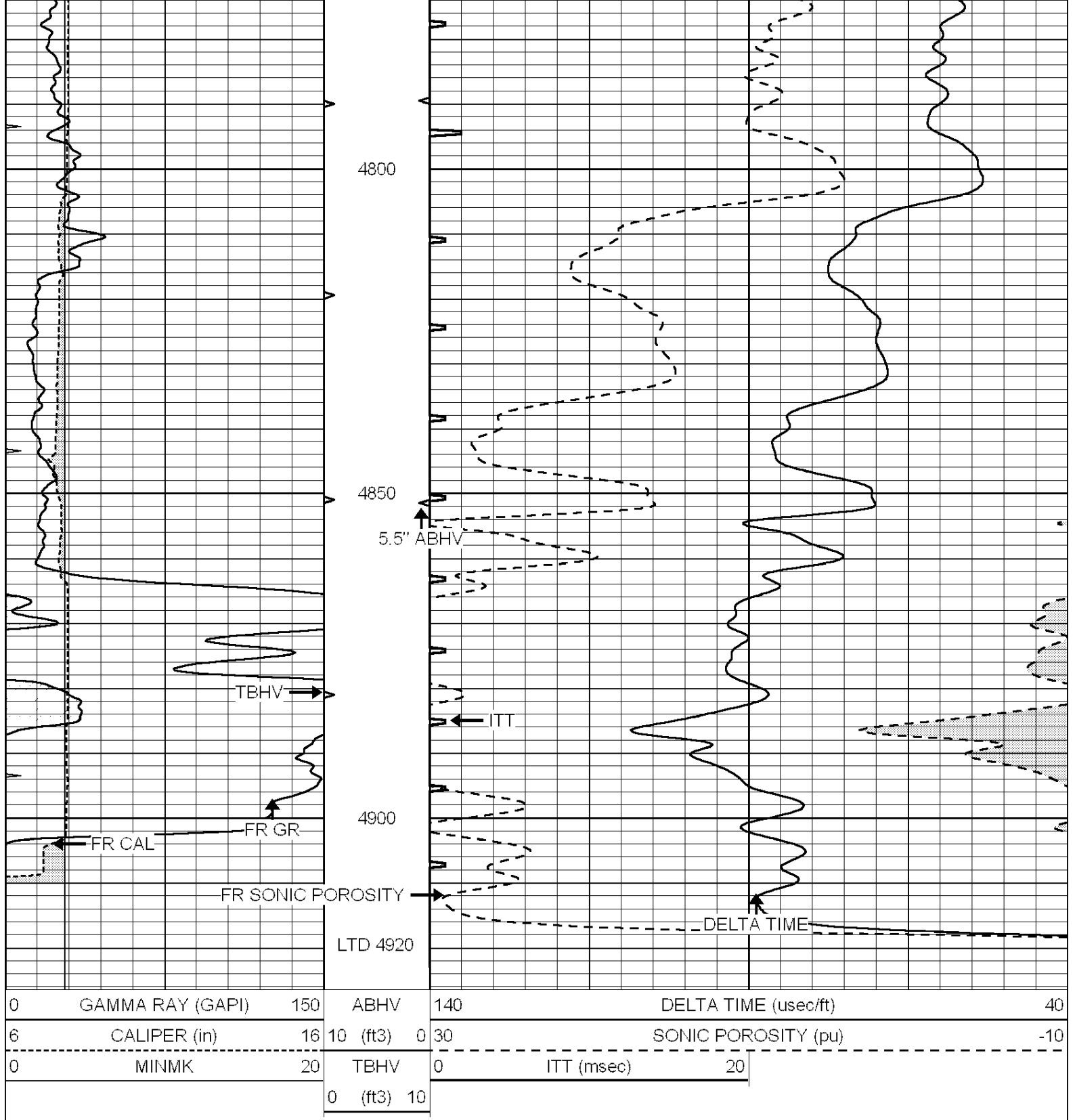
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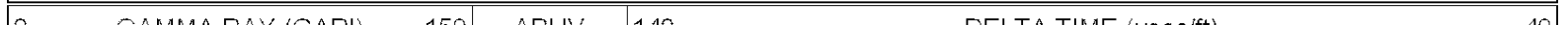
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REPEAT SECTION

Database File: 2936pe.db
 Dataset Pathname: pass5.5
 Presentation Format: slt
 Dataset Creation: Mon Sep 24 22:42:53 2018 by Calc SOC 120430
 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)
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3)	10		

