

SONIC LOG

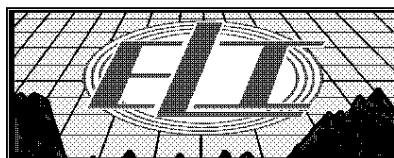
Company	C & K OPERATING, LLC.		
Well	ALAMEDA #3-10		
Field	ALAMEDA		
County	KINGMAN	State	KANSAS
Location:	SEC 28 TWP 28S RGE 7W		Other Services CDL/CNL/PE DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	1601
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	12/21/19		
Run Number	TWO		
Depth Driller	4430		
Depth Logger	4428		
Bottom Logged Interval	4420		
Top Log Interval	200		
Casing Driller	13 3/8" @ 246'		
Casing Logger	246		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,500 PPM	
Density / Viscosity	9.4/50		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800 @ 62F		
Rmf @ Meas. Temp	.600 @ 62F		
Rmc @ Meas. Temp	.960 @ 62F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.413 @ 120F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	12:45 A.M.		
Maximum Recorded Temperature	120F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	WYATT URBAN		

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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

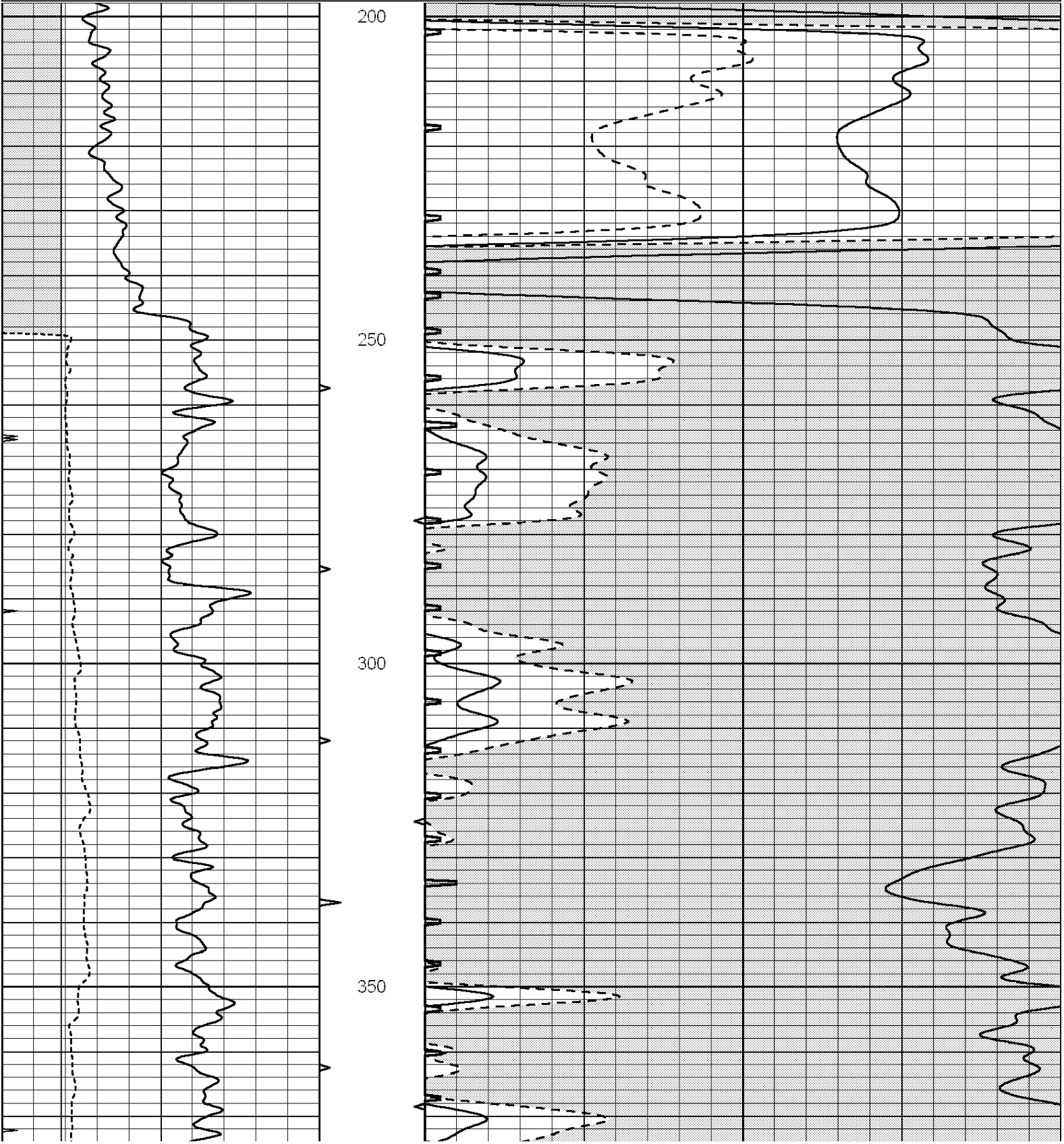
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
KINGMAN, KS., 5S. TO "RD. 50" 1E., N. INTO

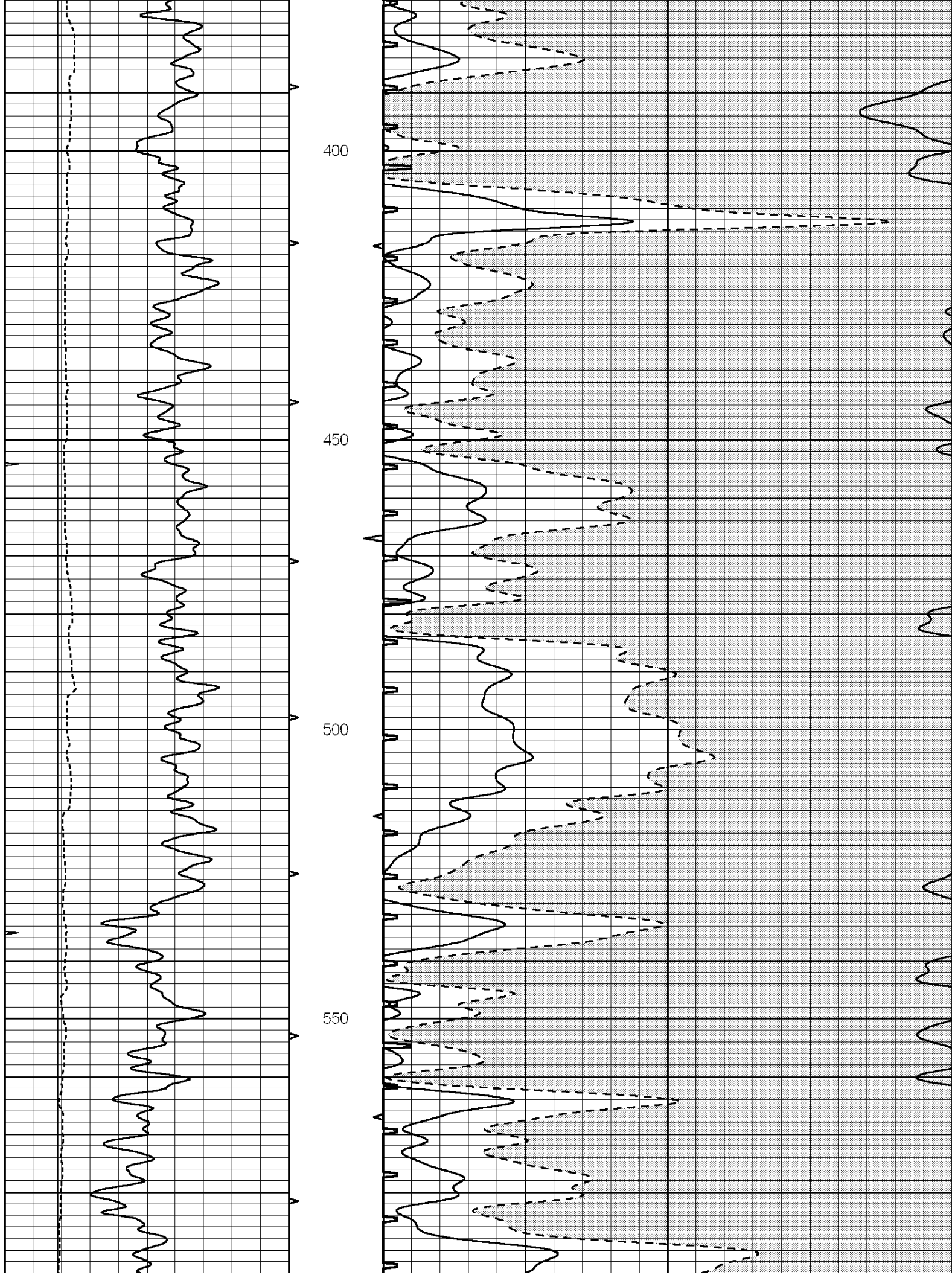


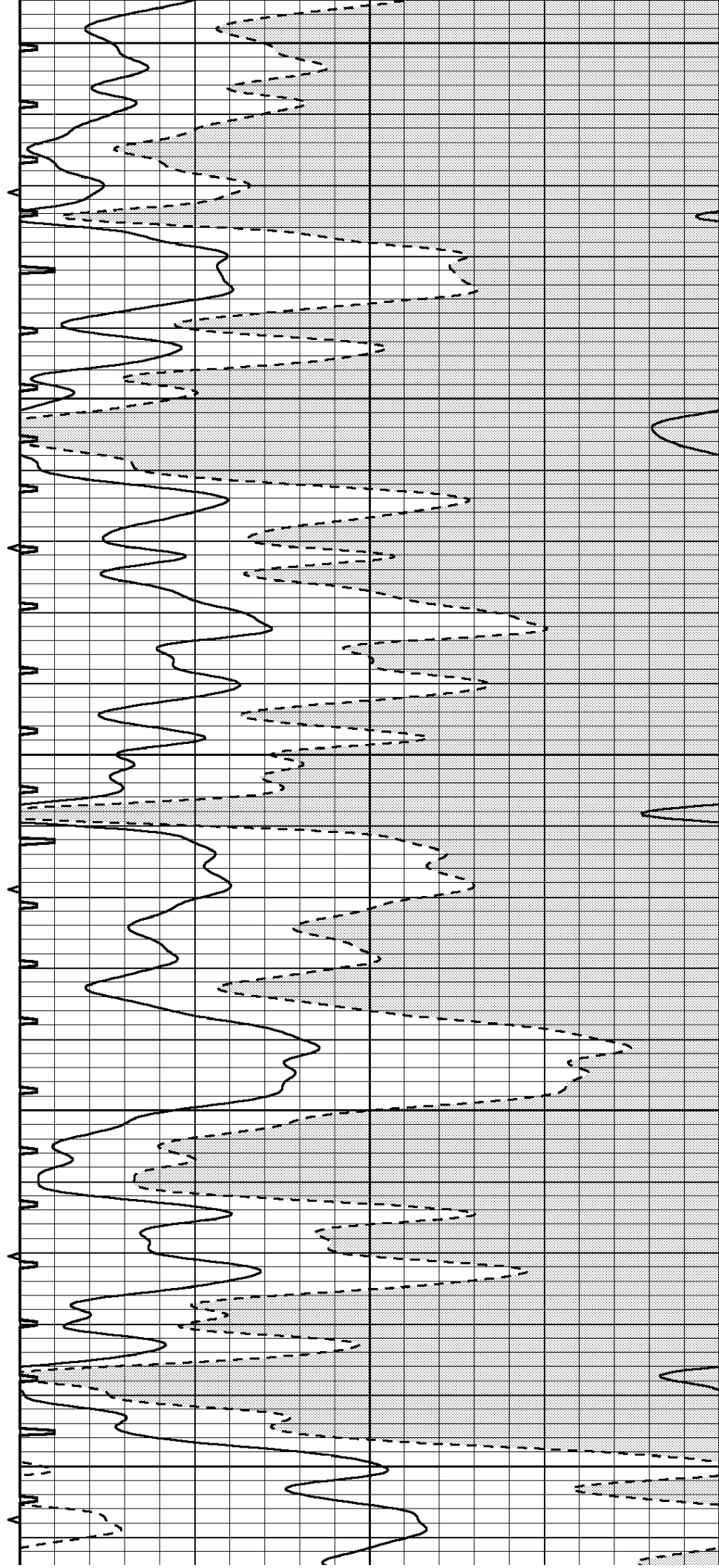
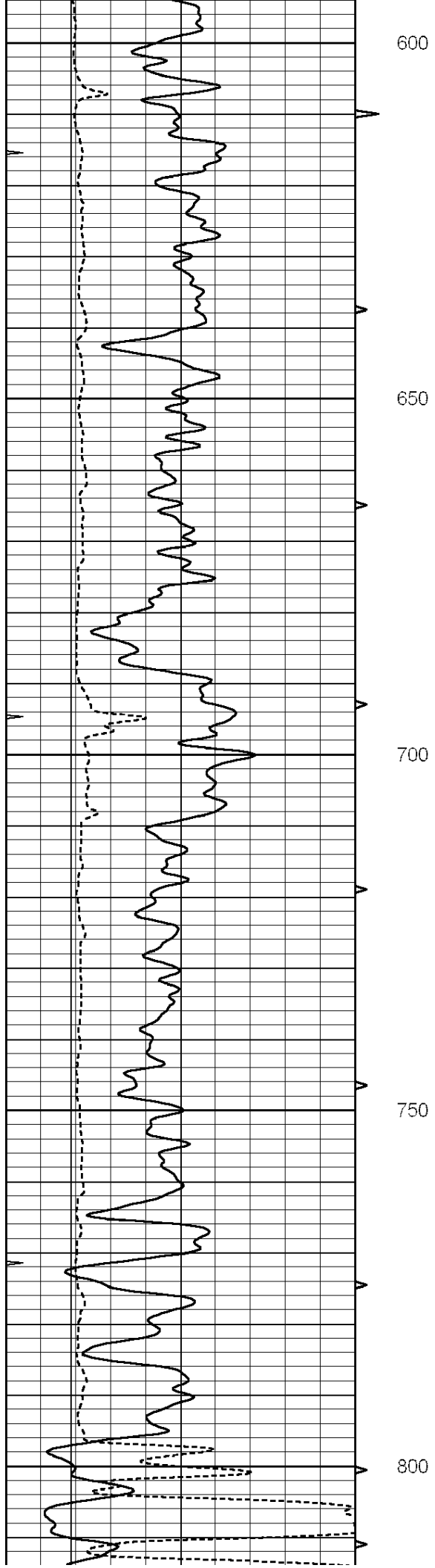
MAIN SECTION

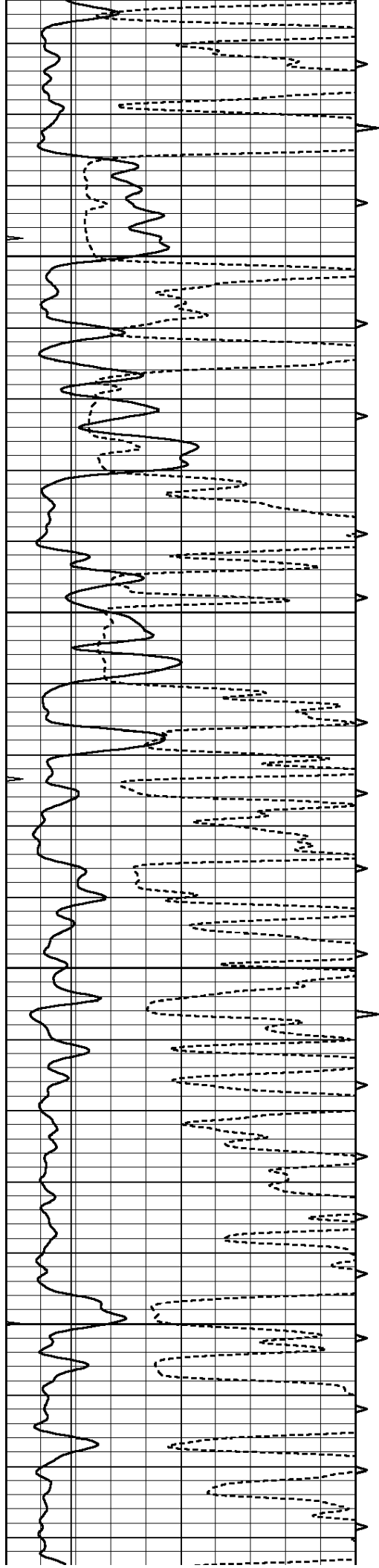
Database File: 4394pe.db
Dataset Pathname: pass8.4
Presentation Format: slt
Dataset Creation: Sat Dec 21 03:21:36 2019
Charted by: Depth in Feet scaled 1:240

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				







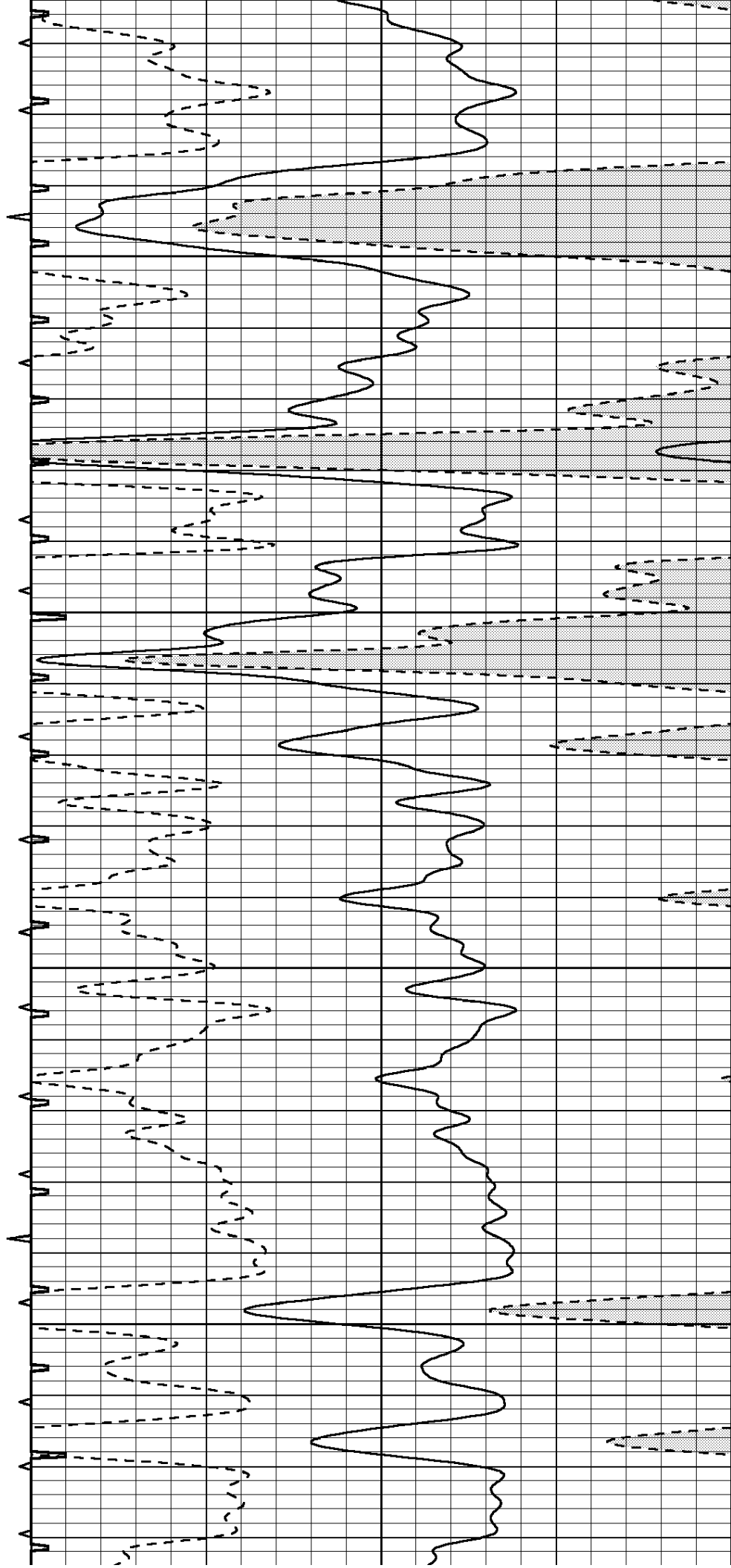


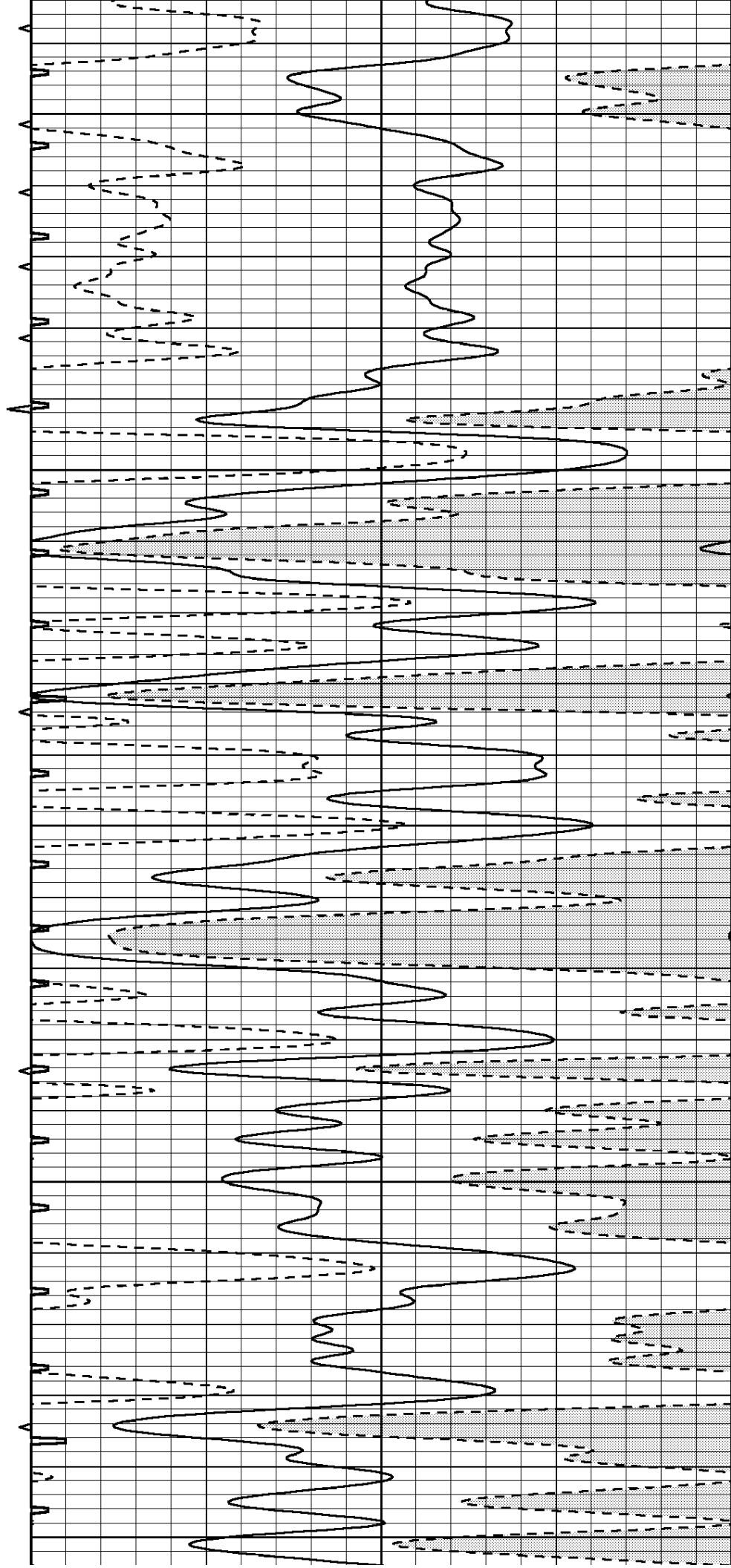
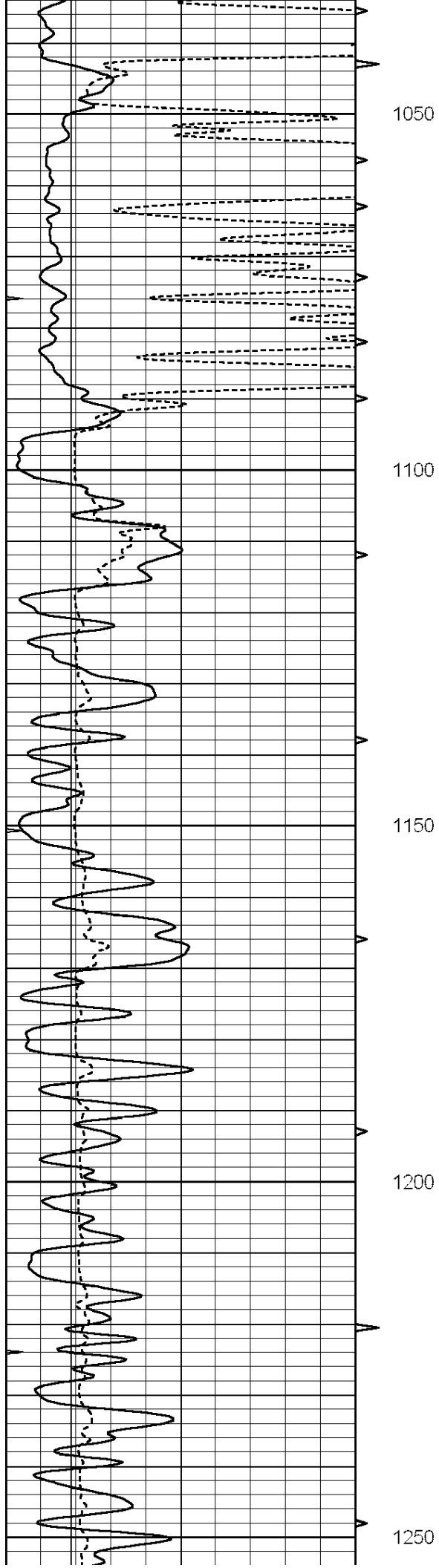
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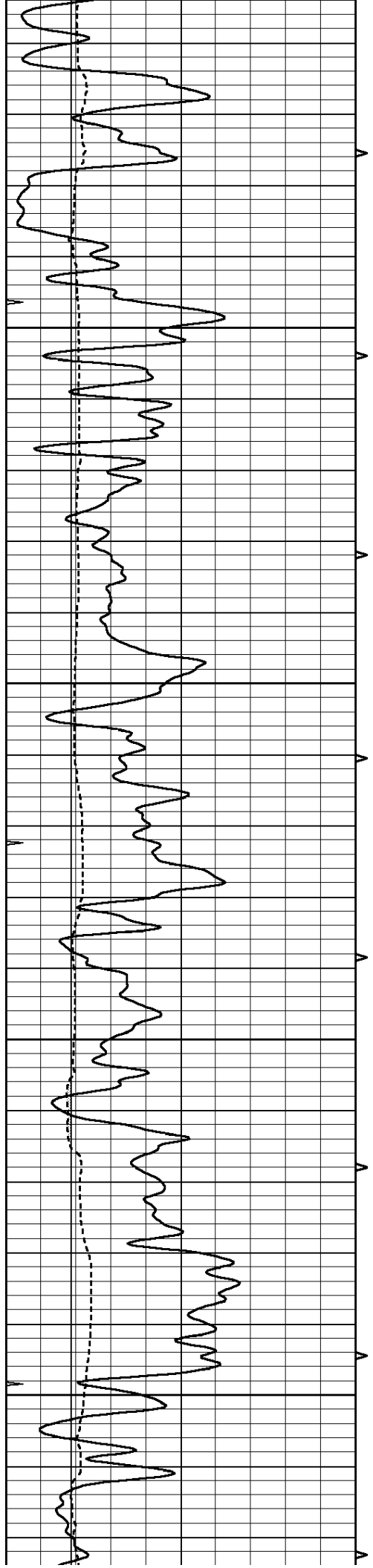
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950

1000





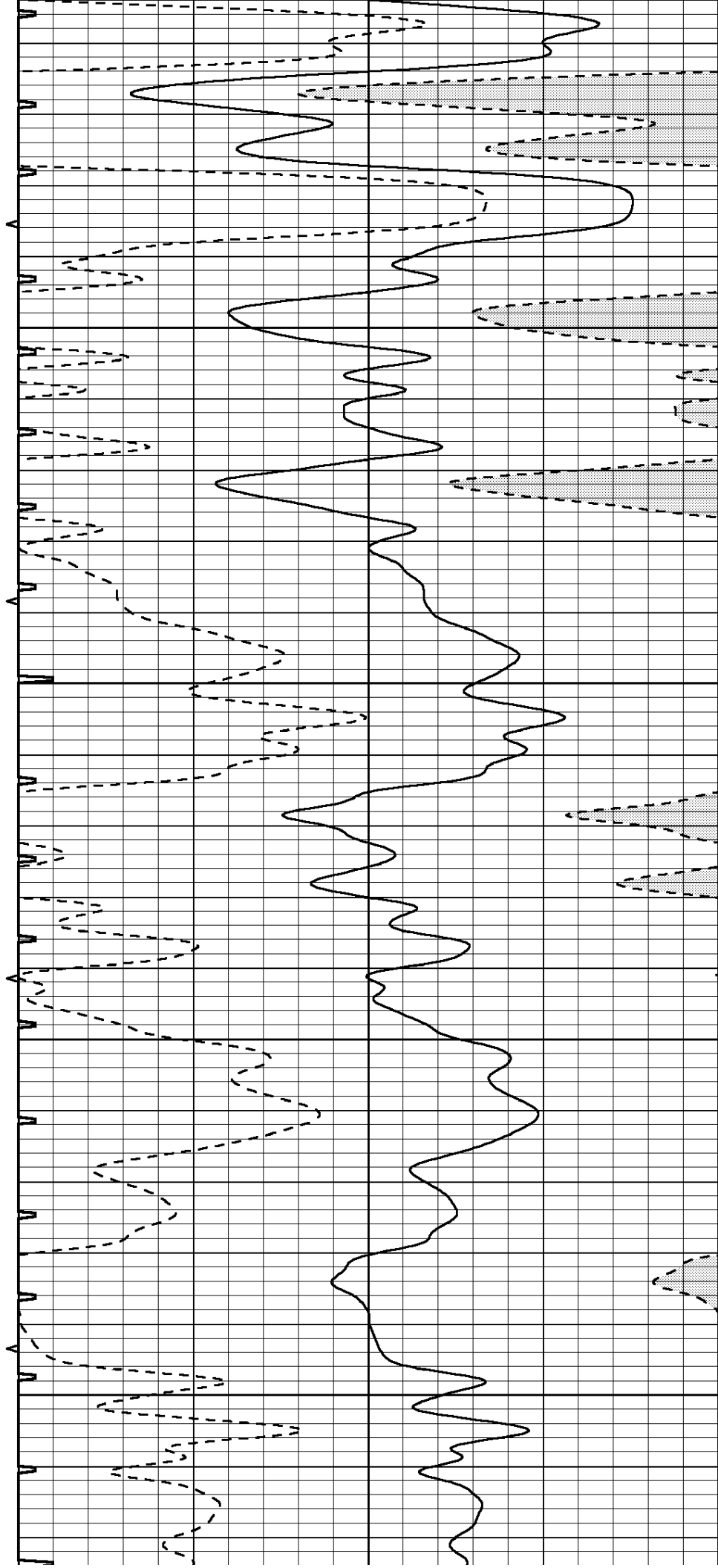


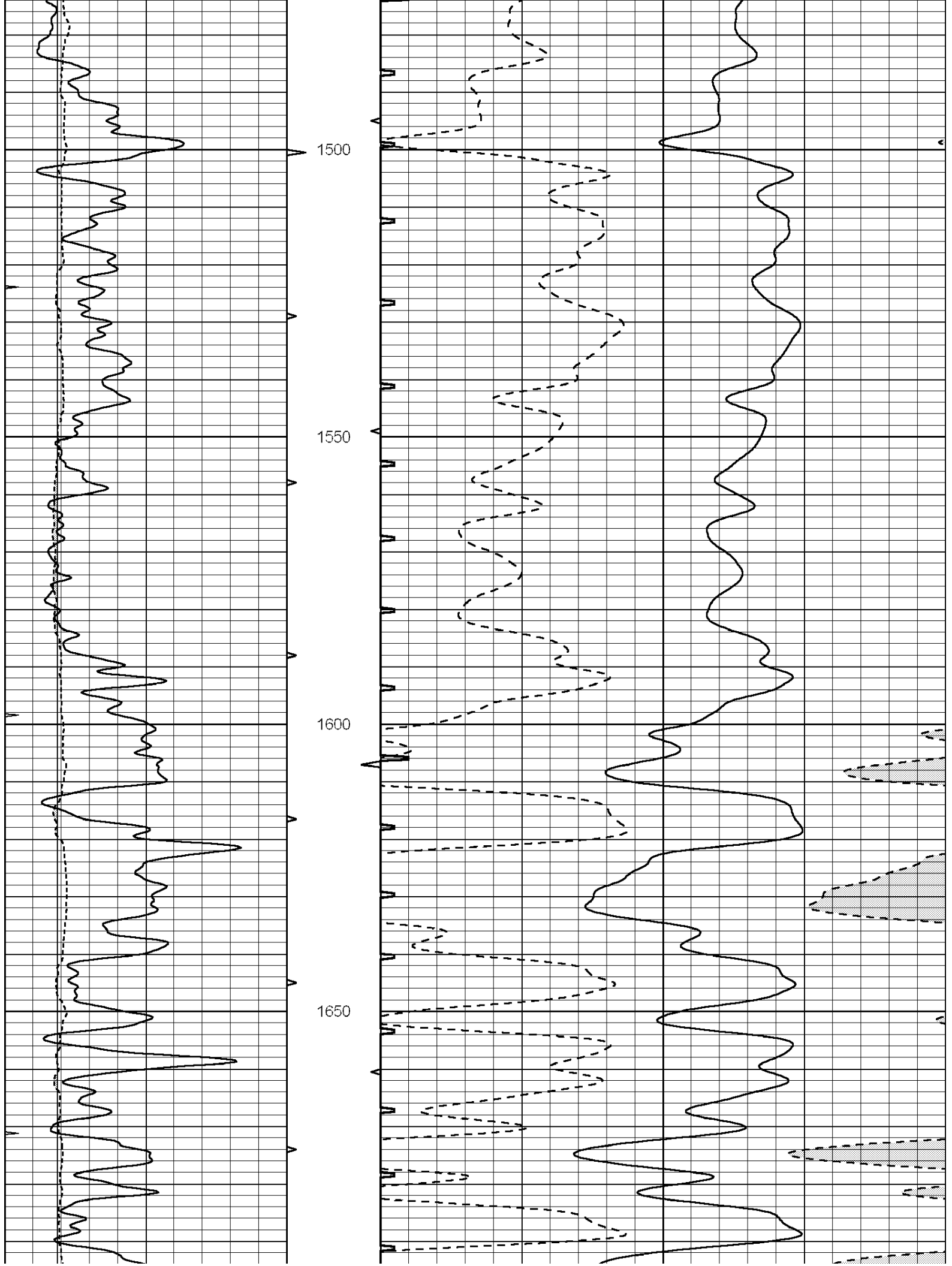
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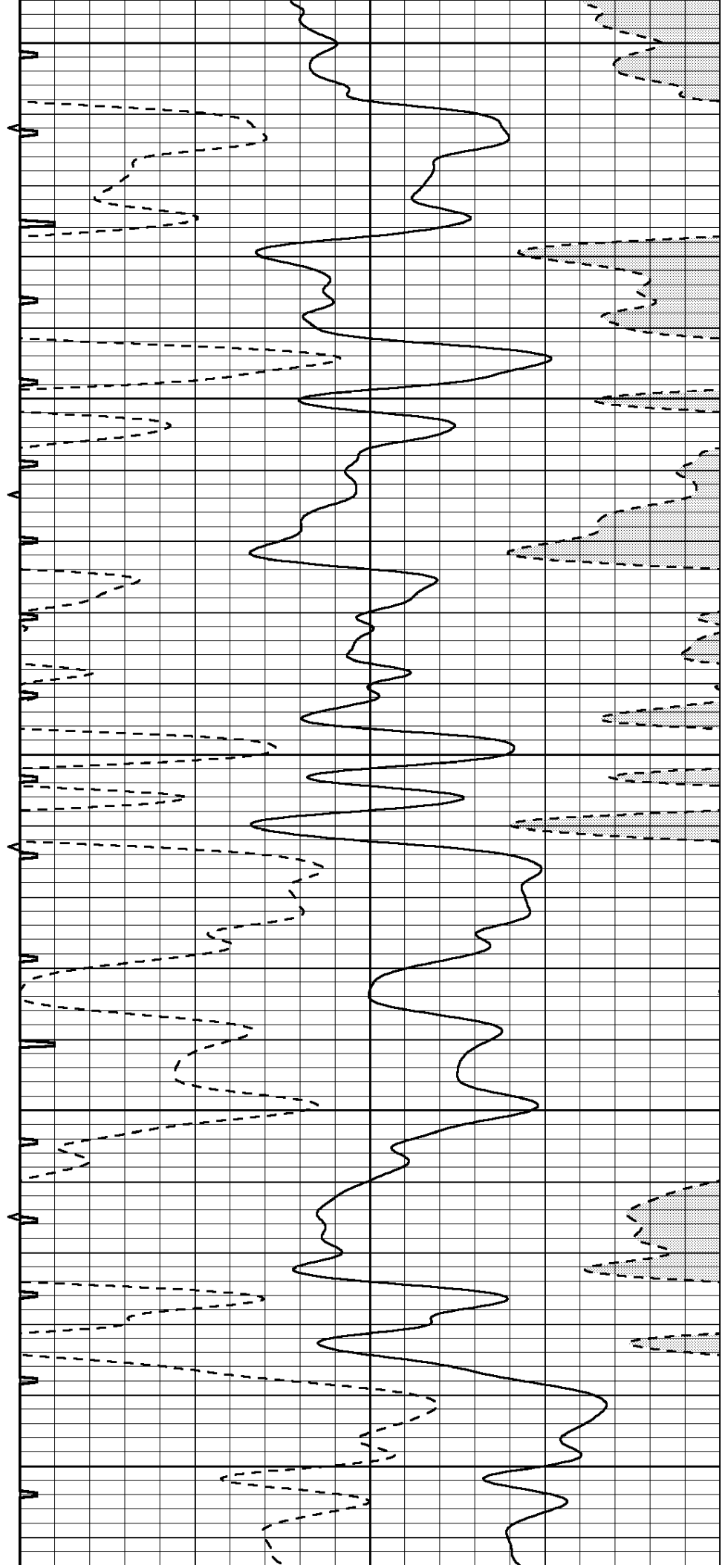
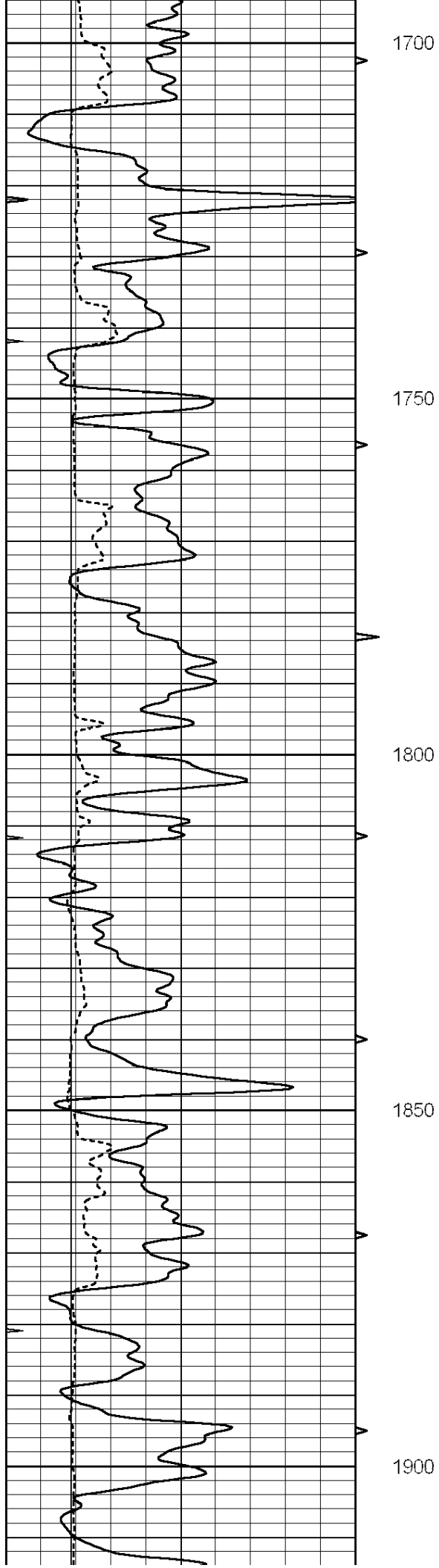
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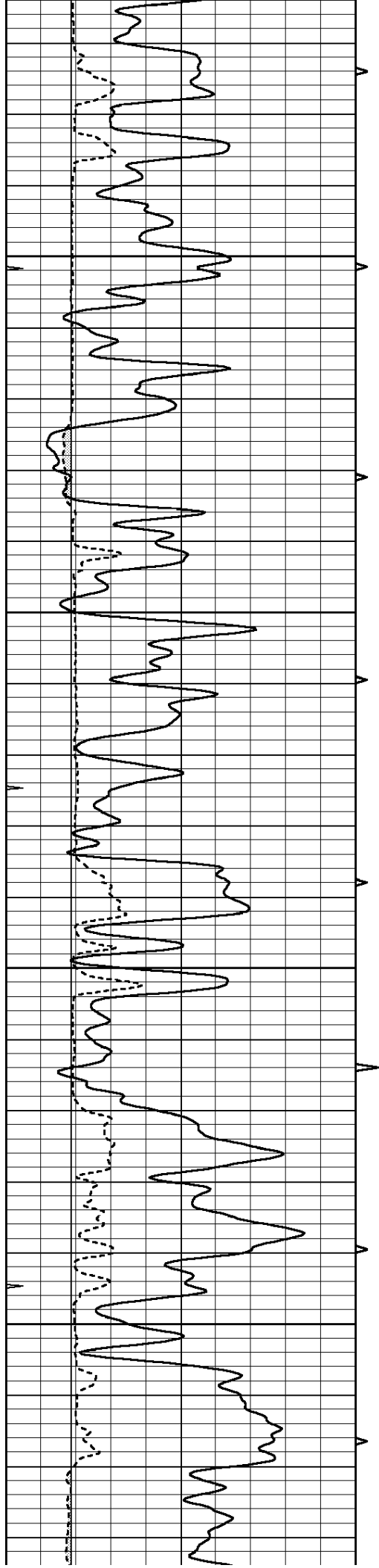
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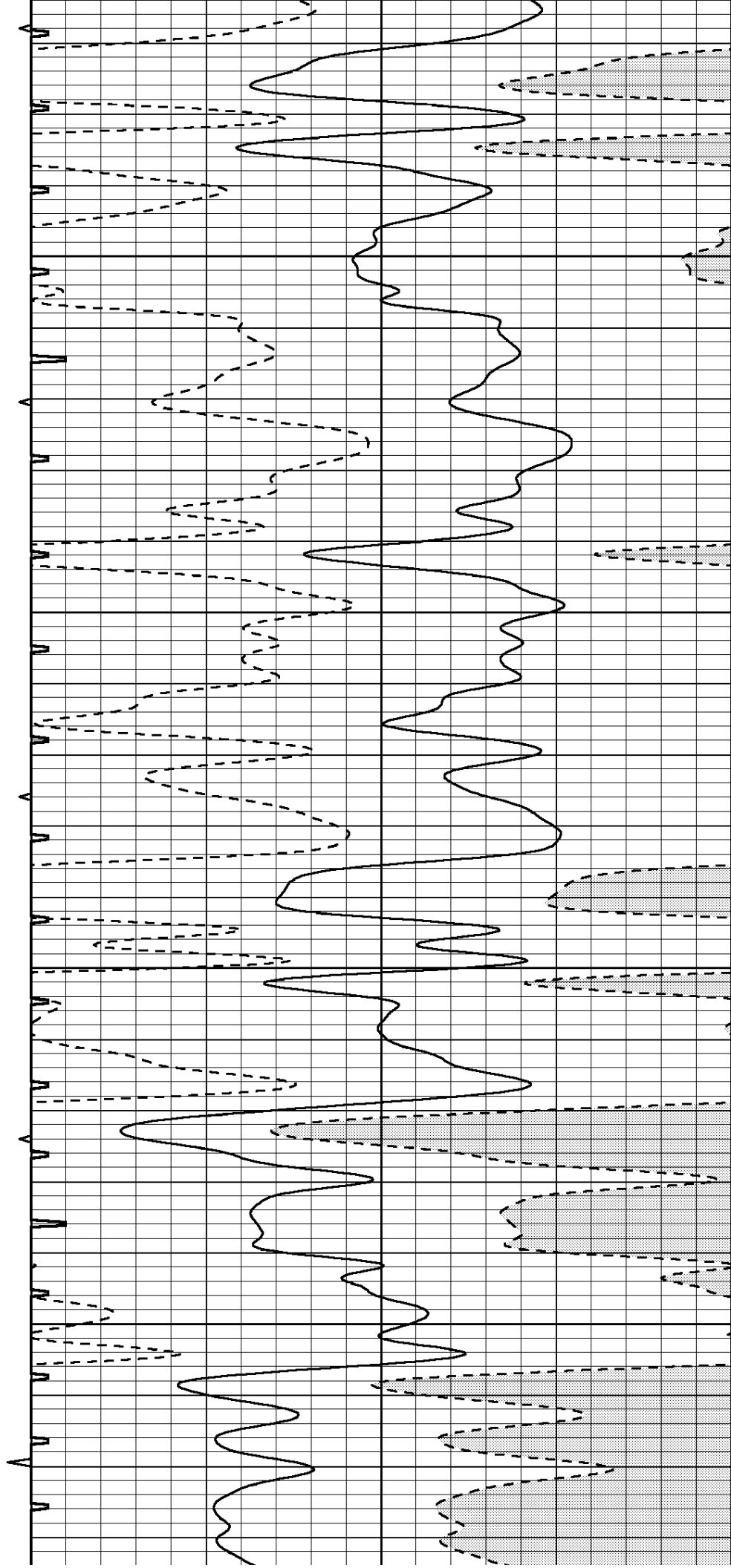


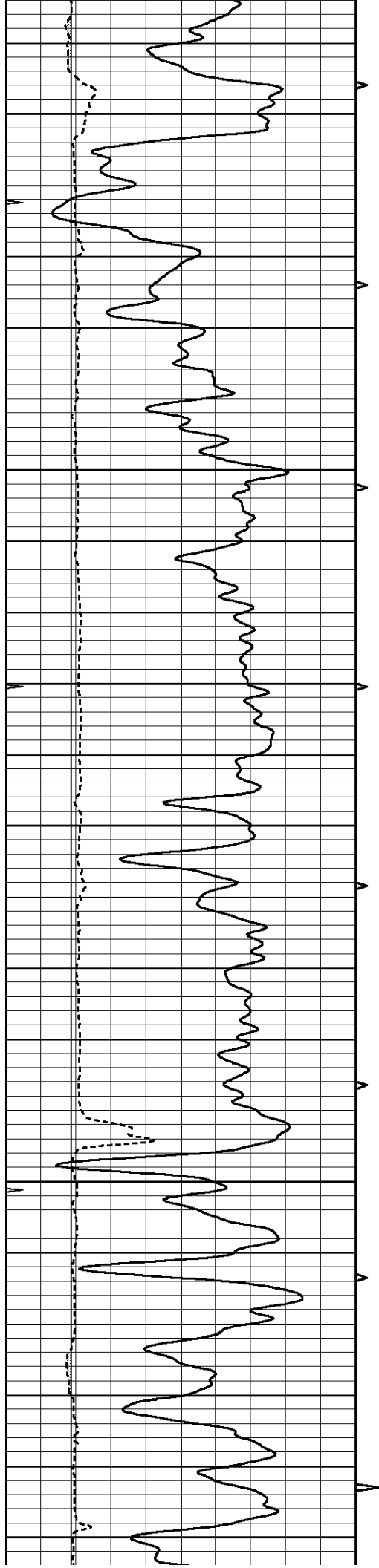
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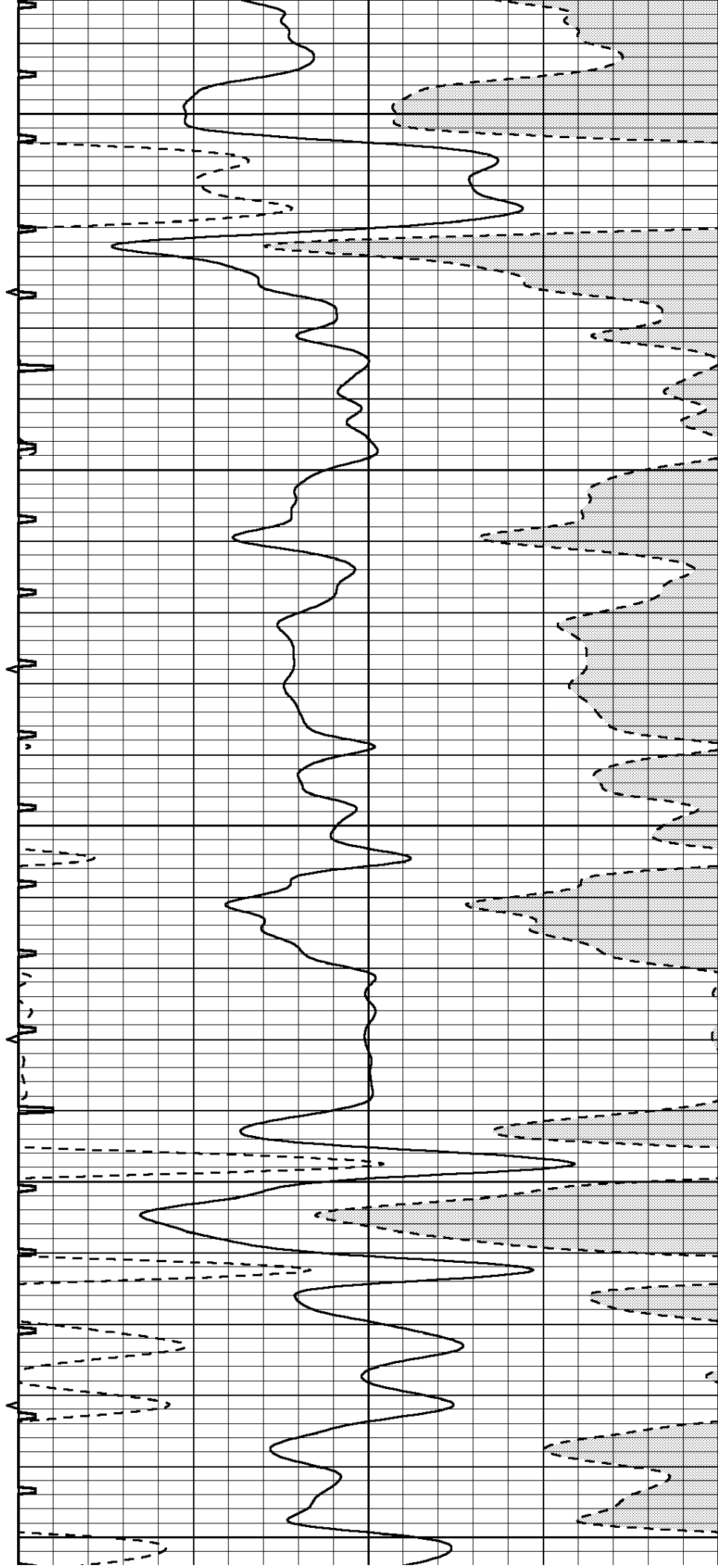
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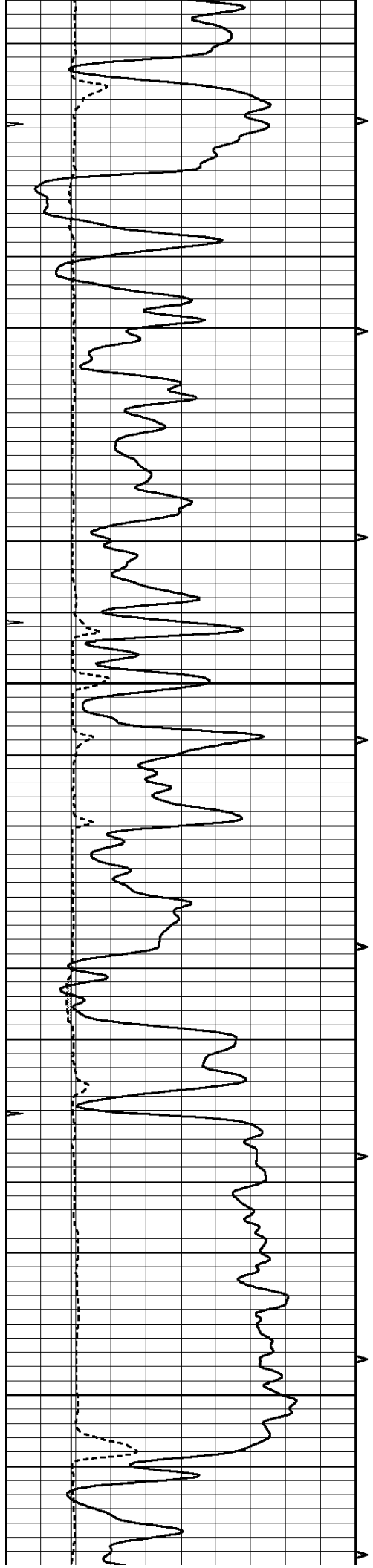
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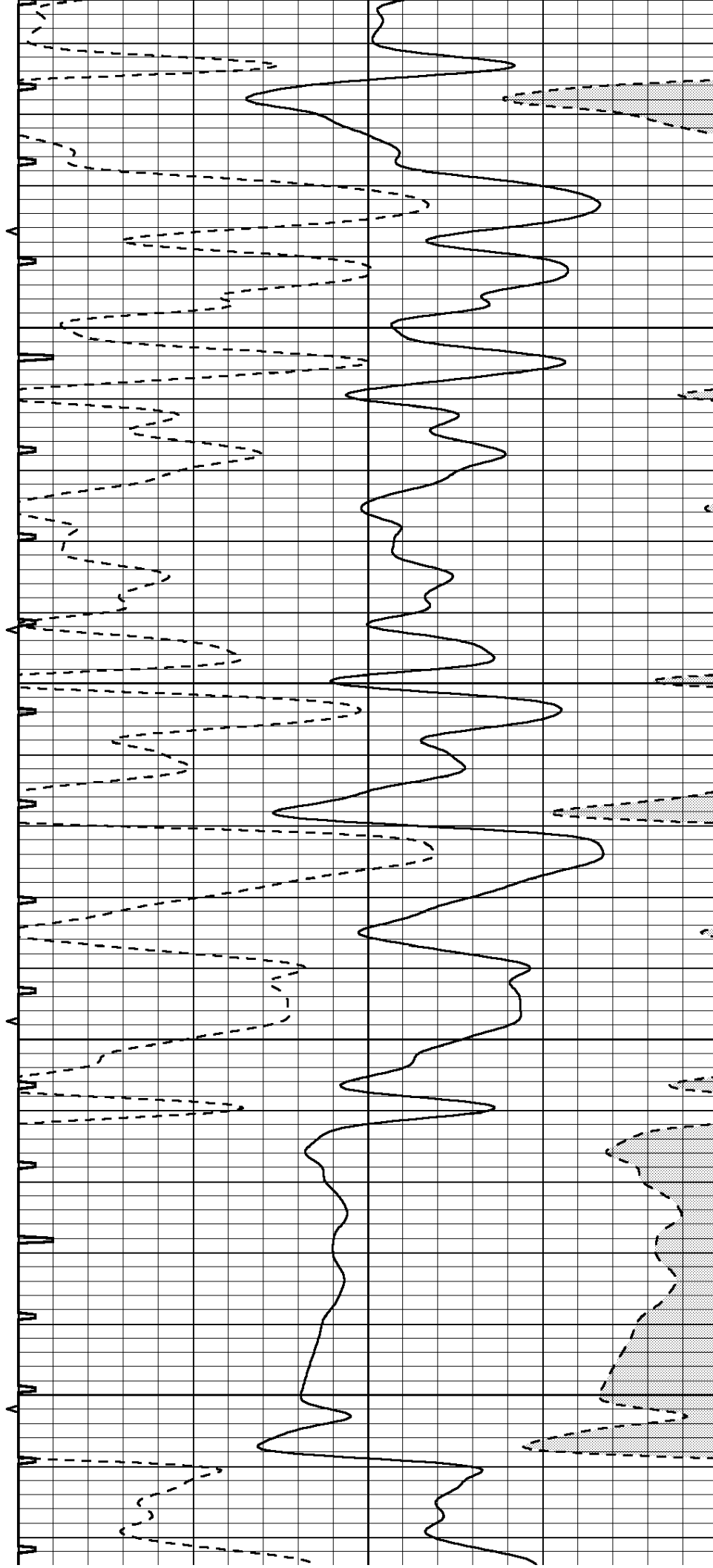


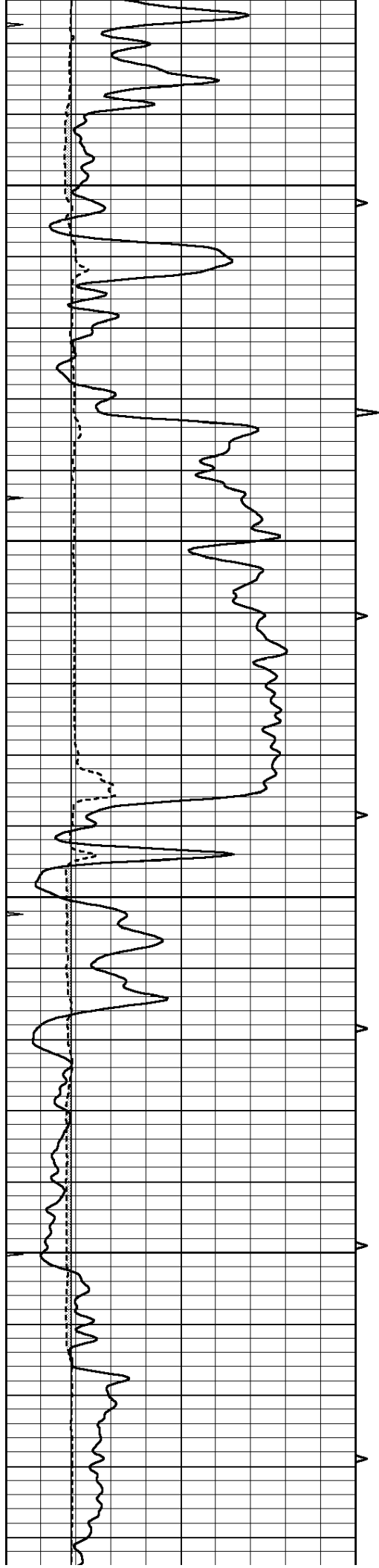
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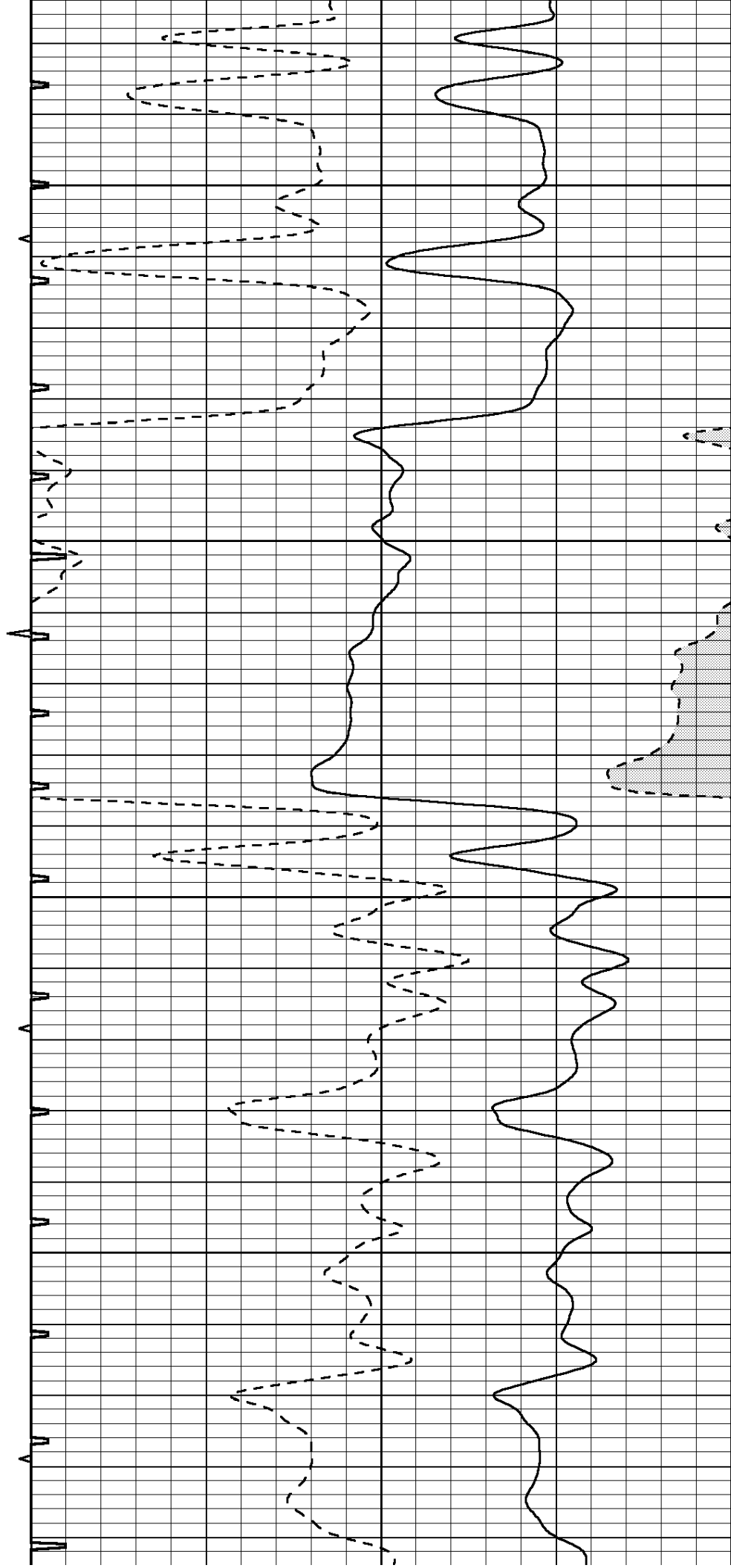


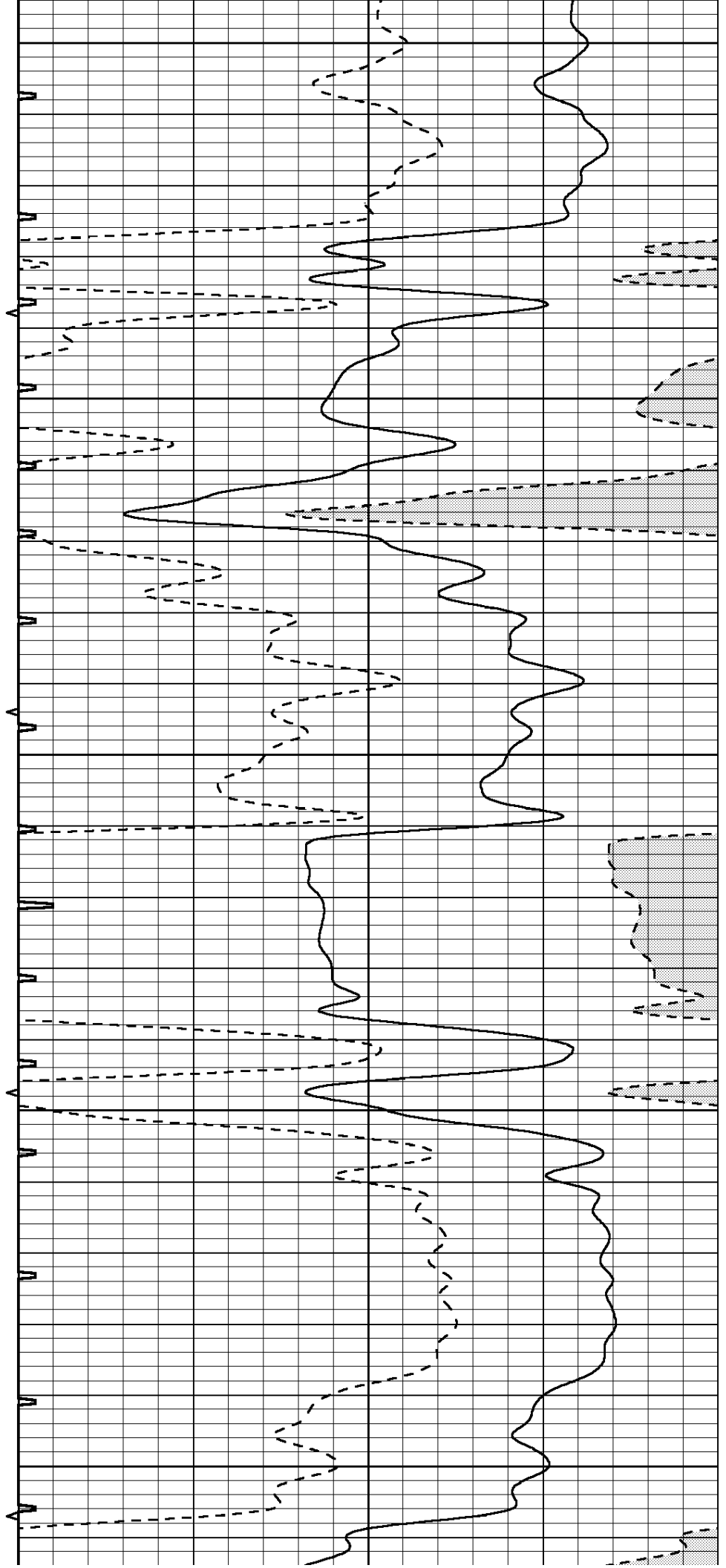
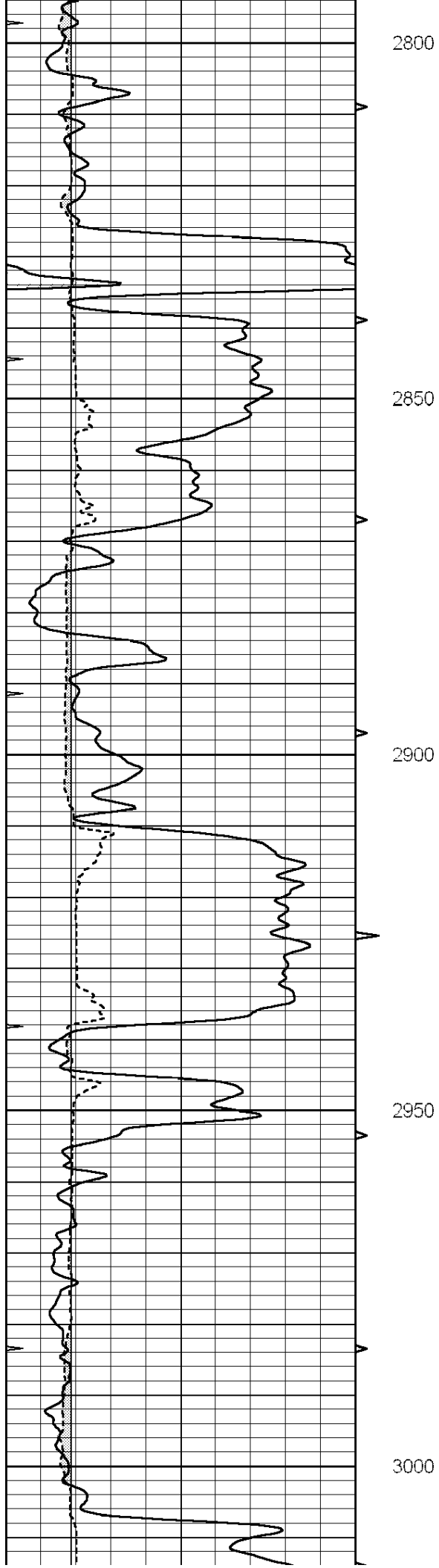
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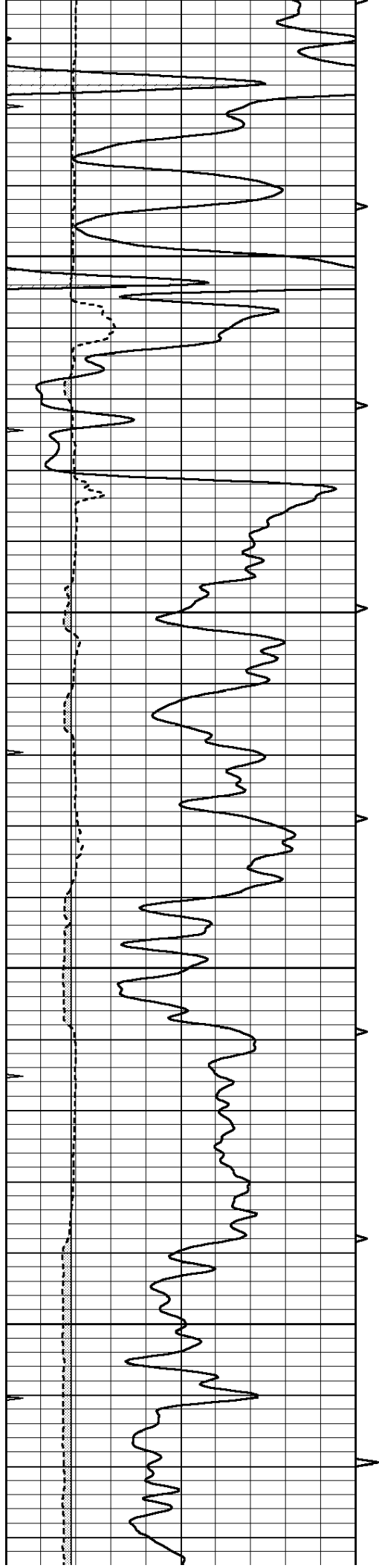
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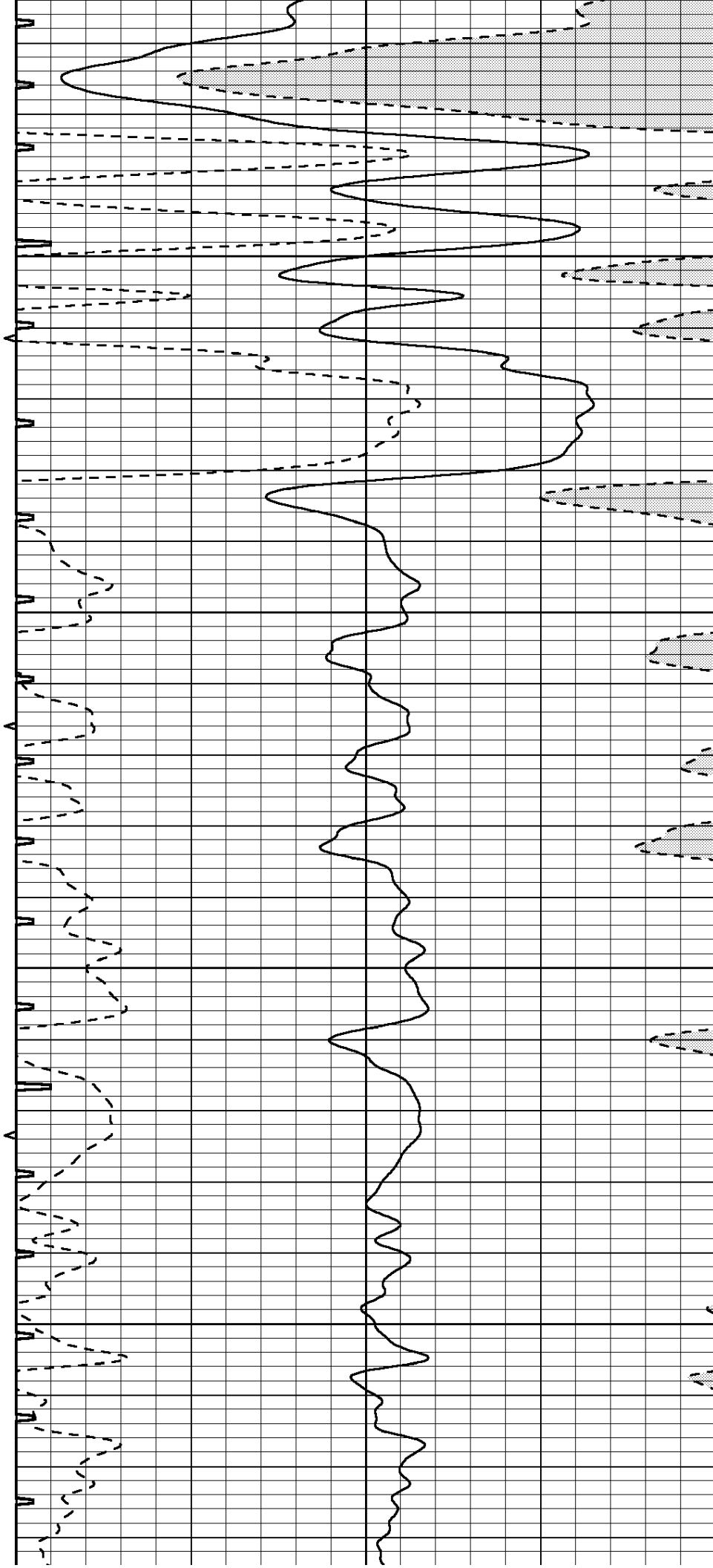


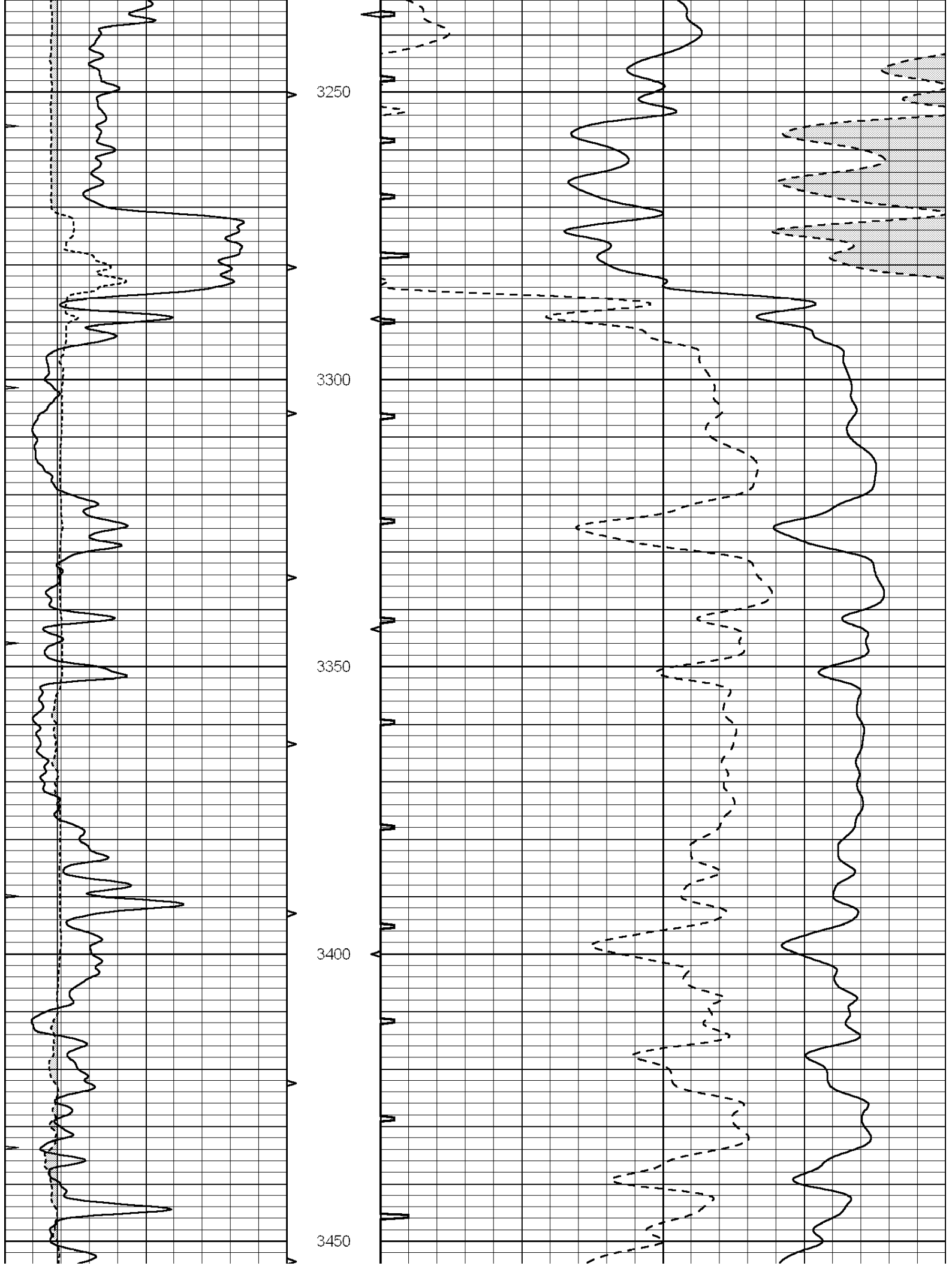
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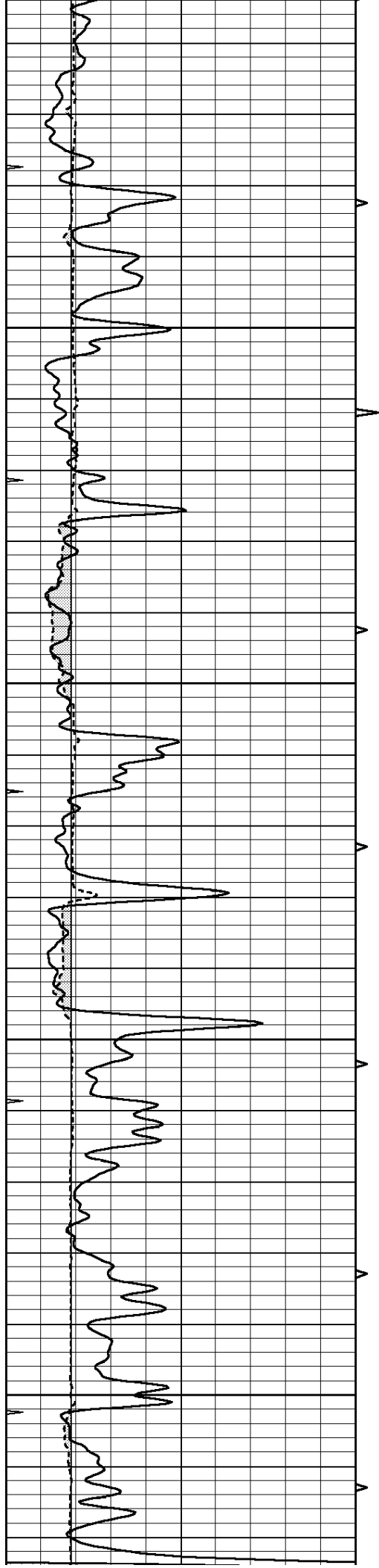
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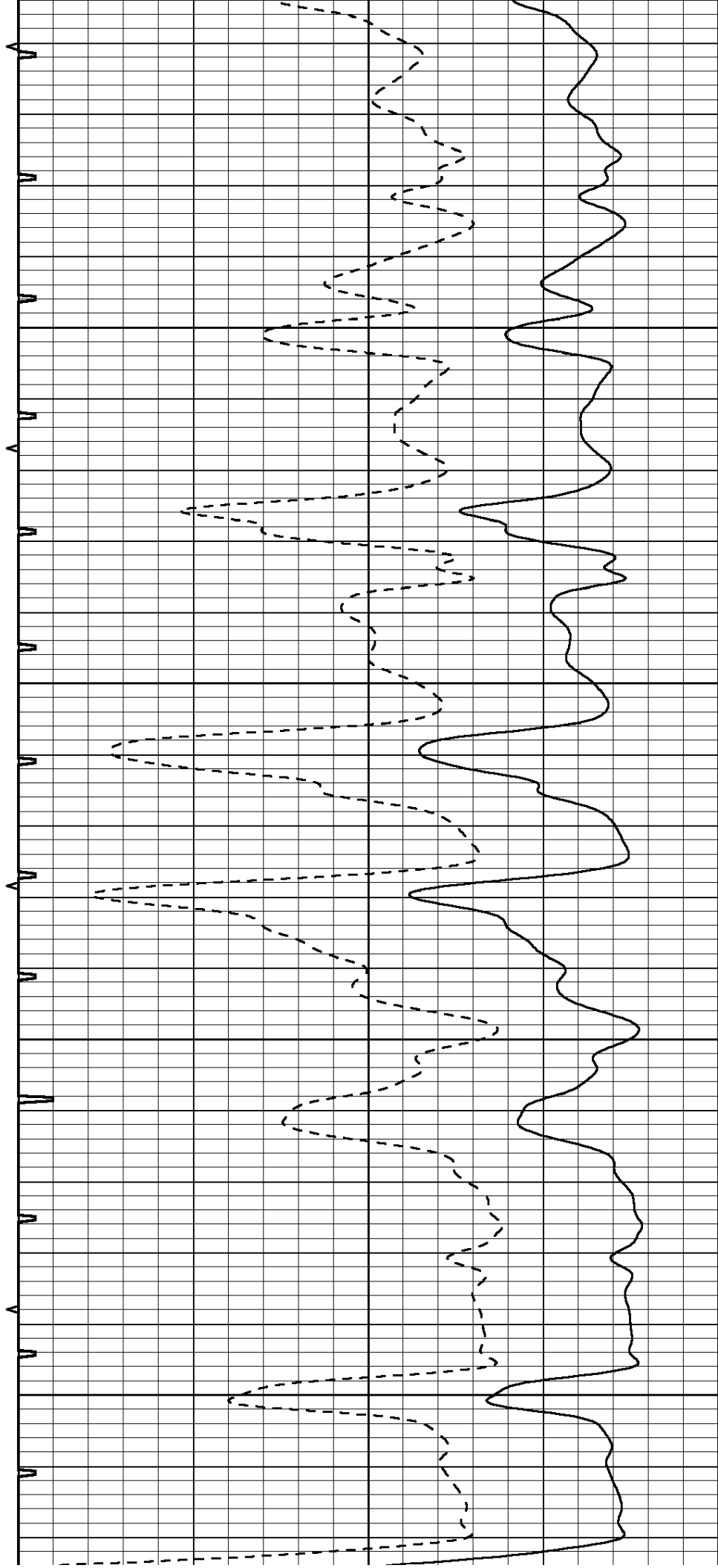


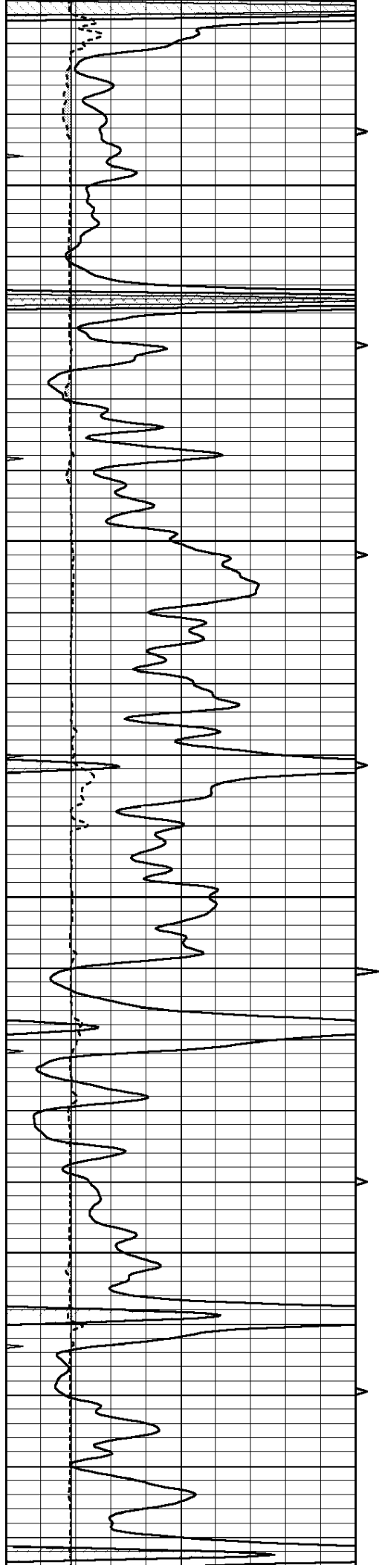
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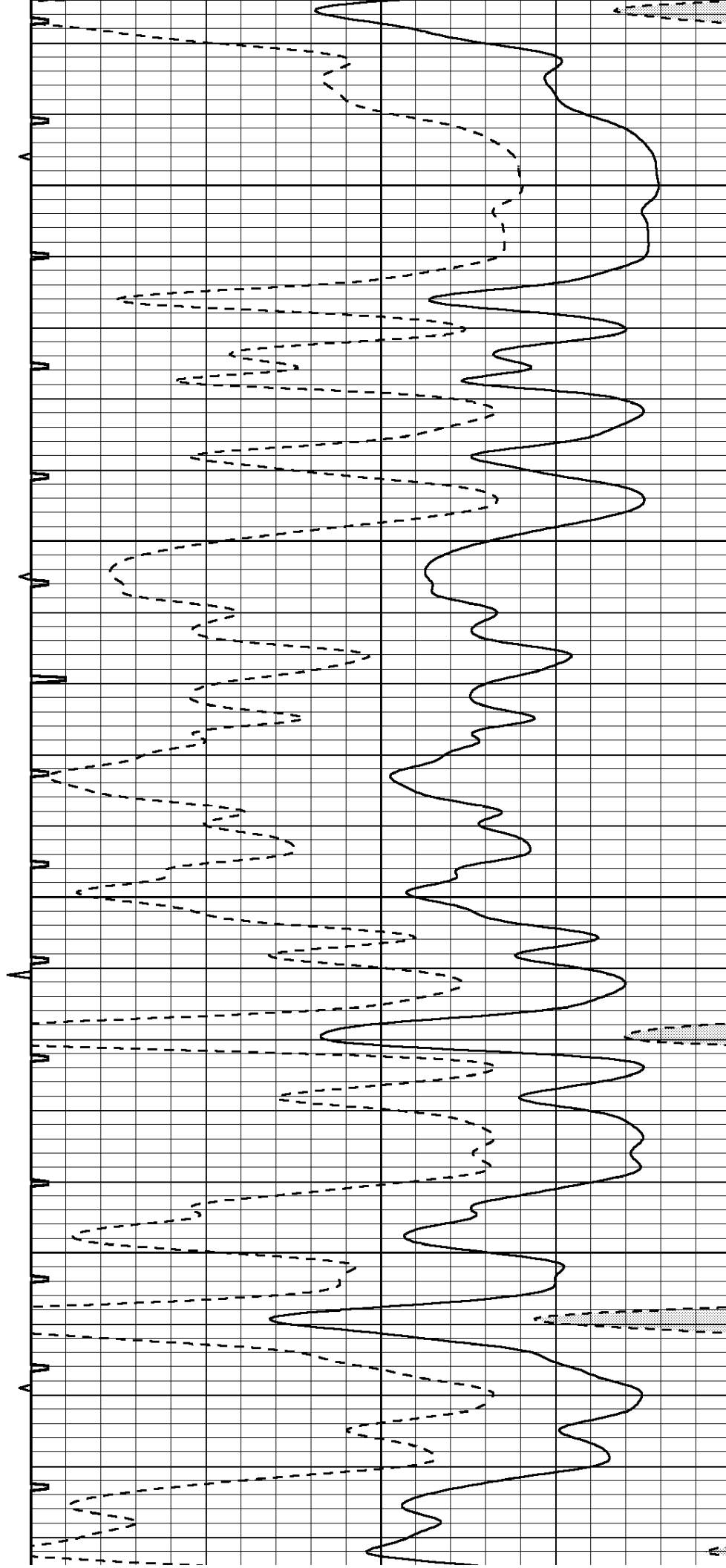


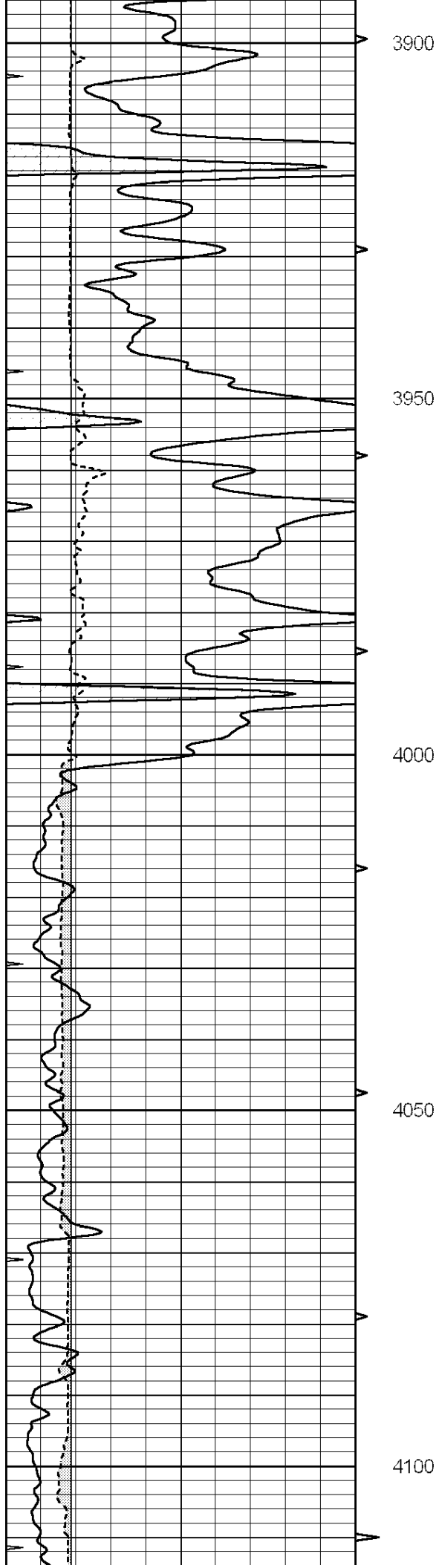
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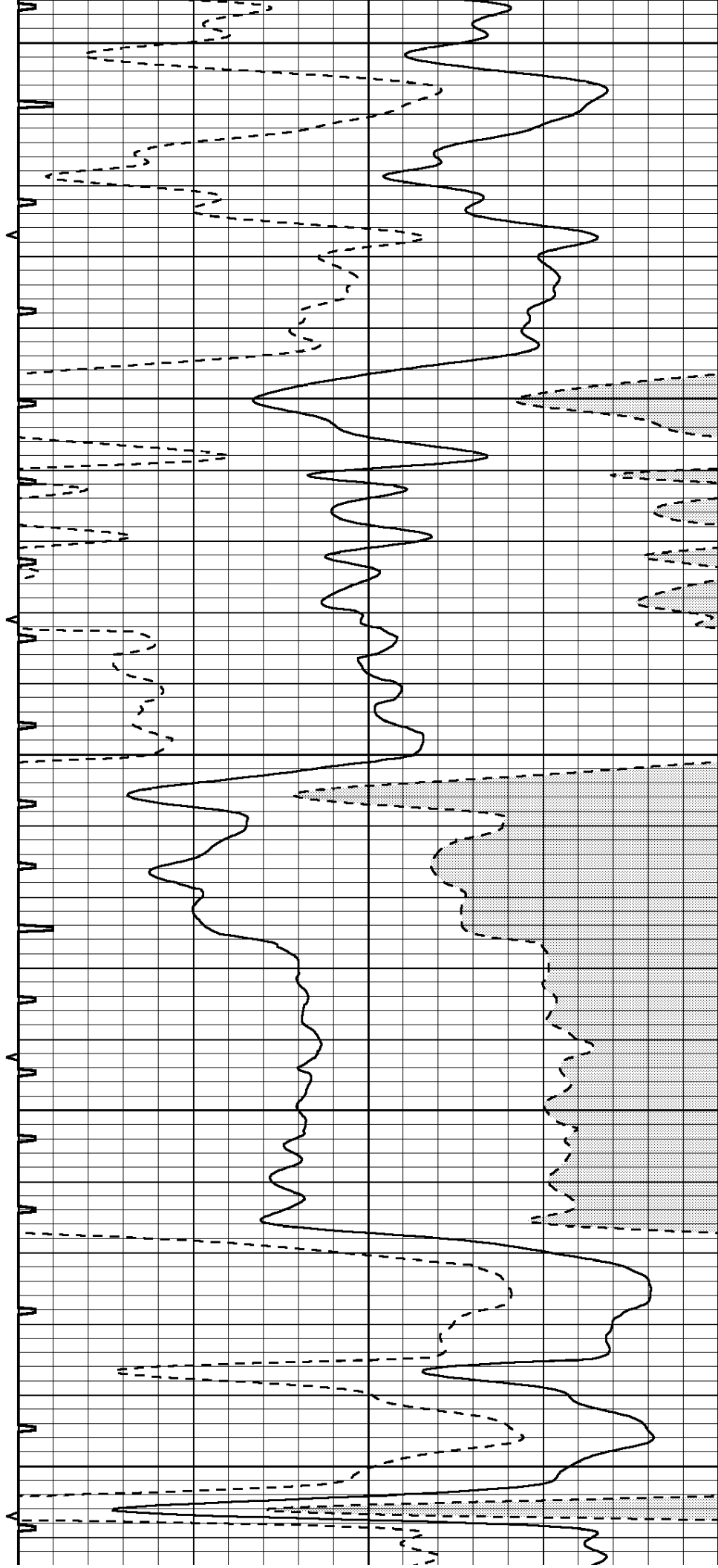
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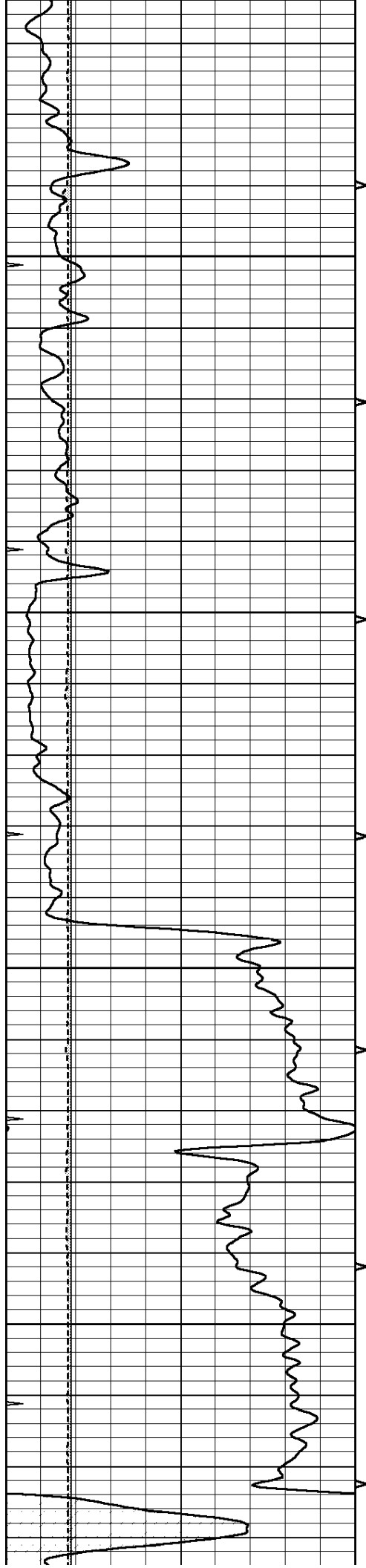
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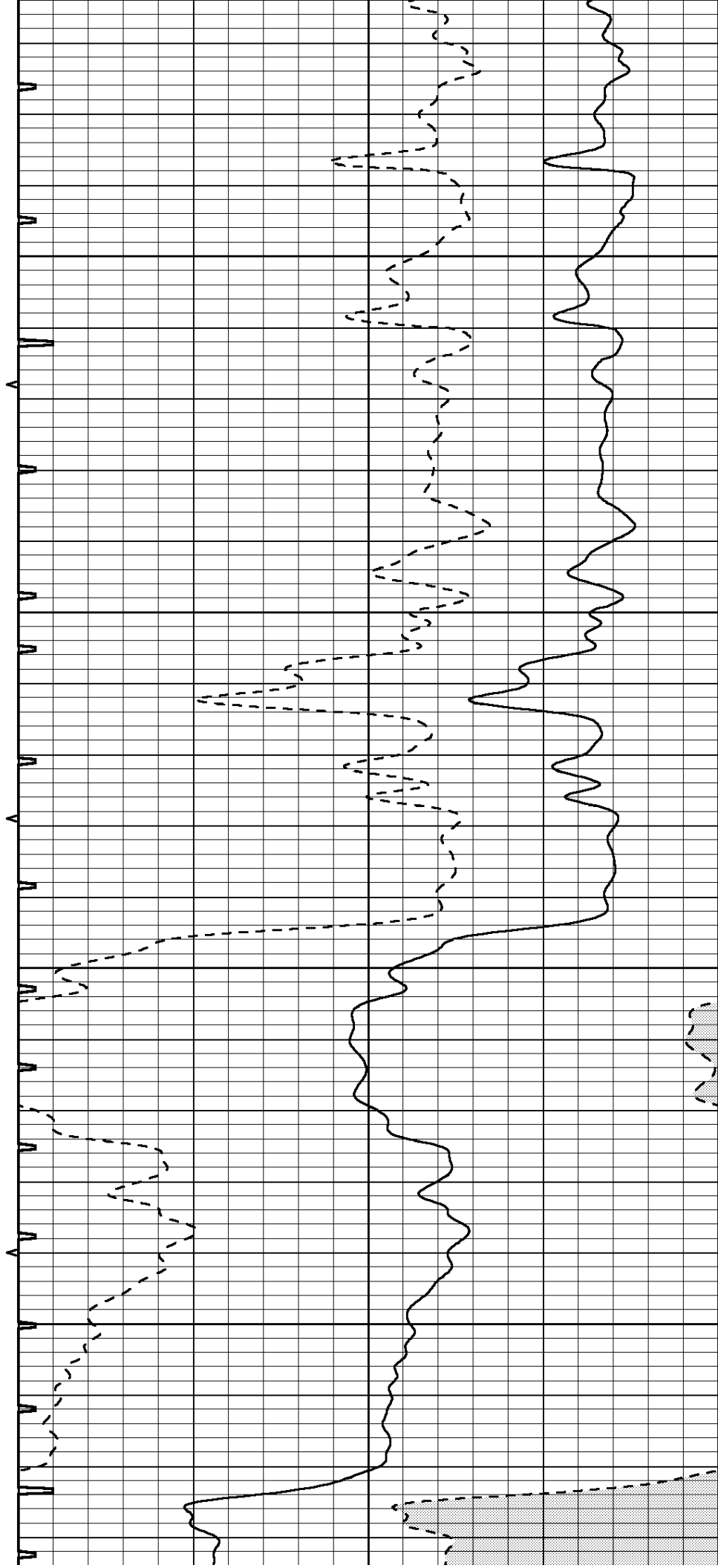


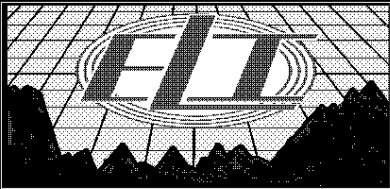
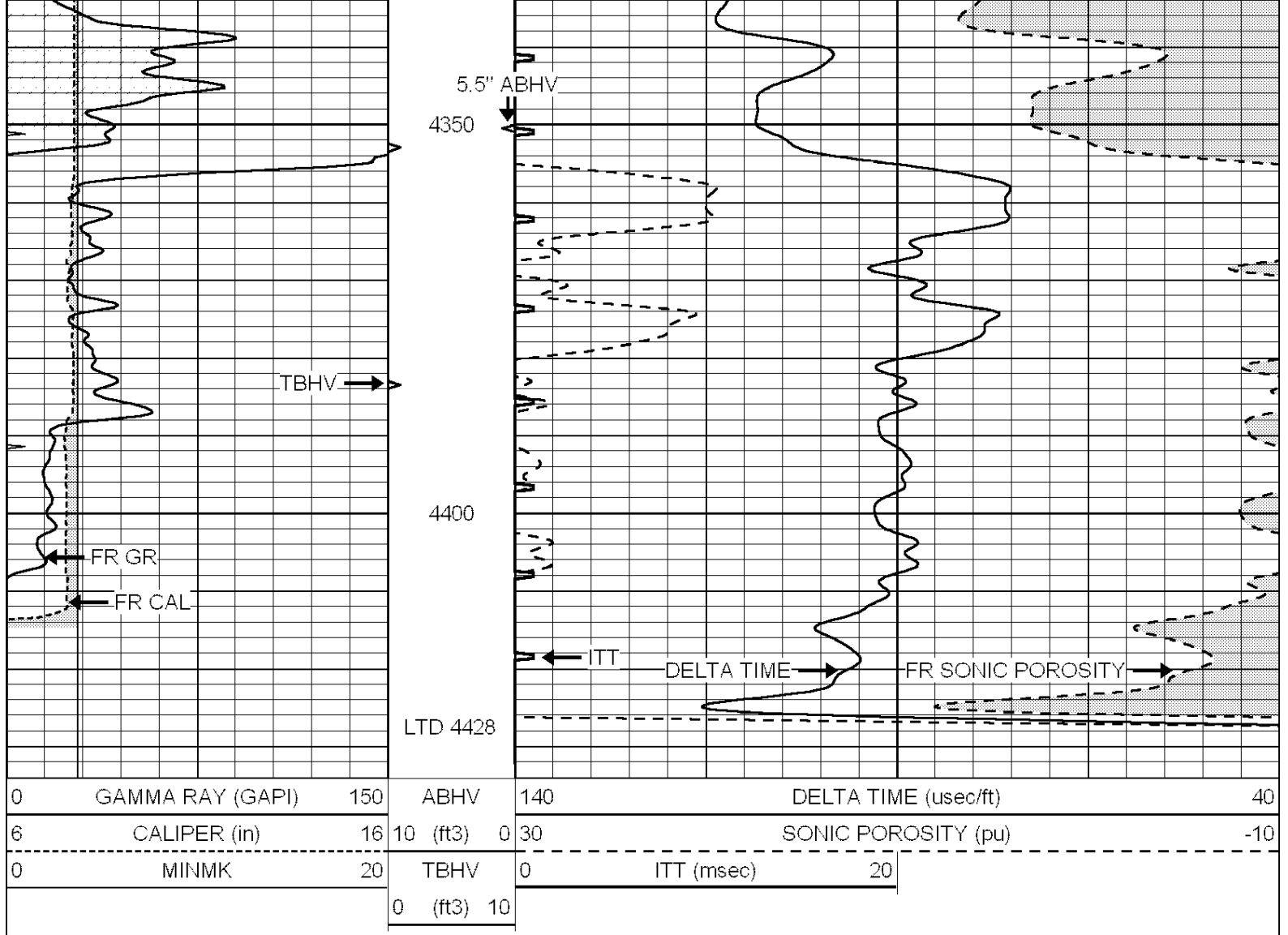
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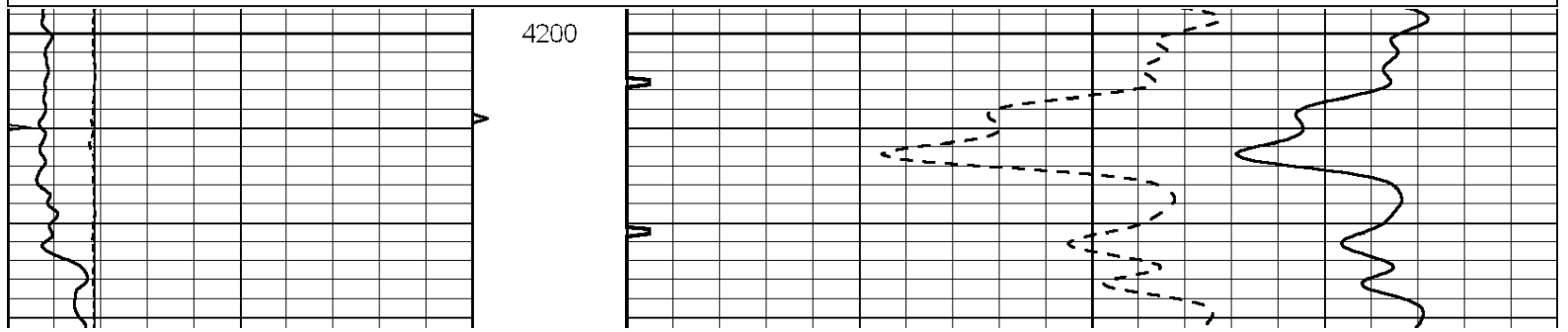
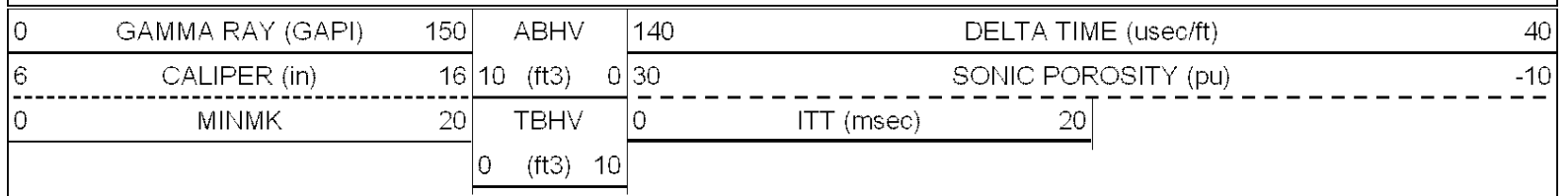
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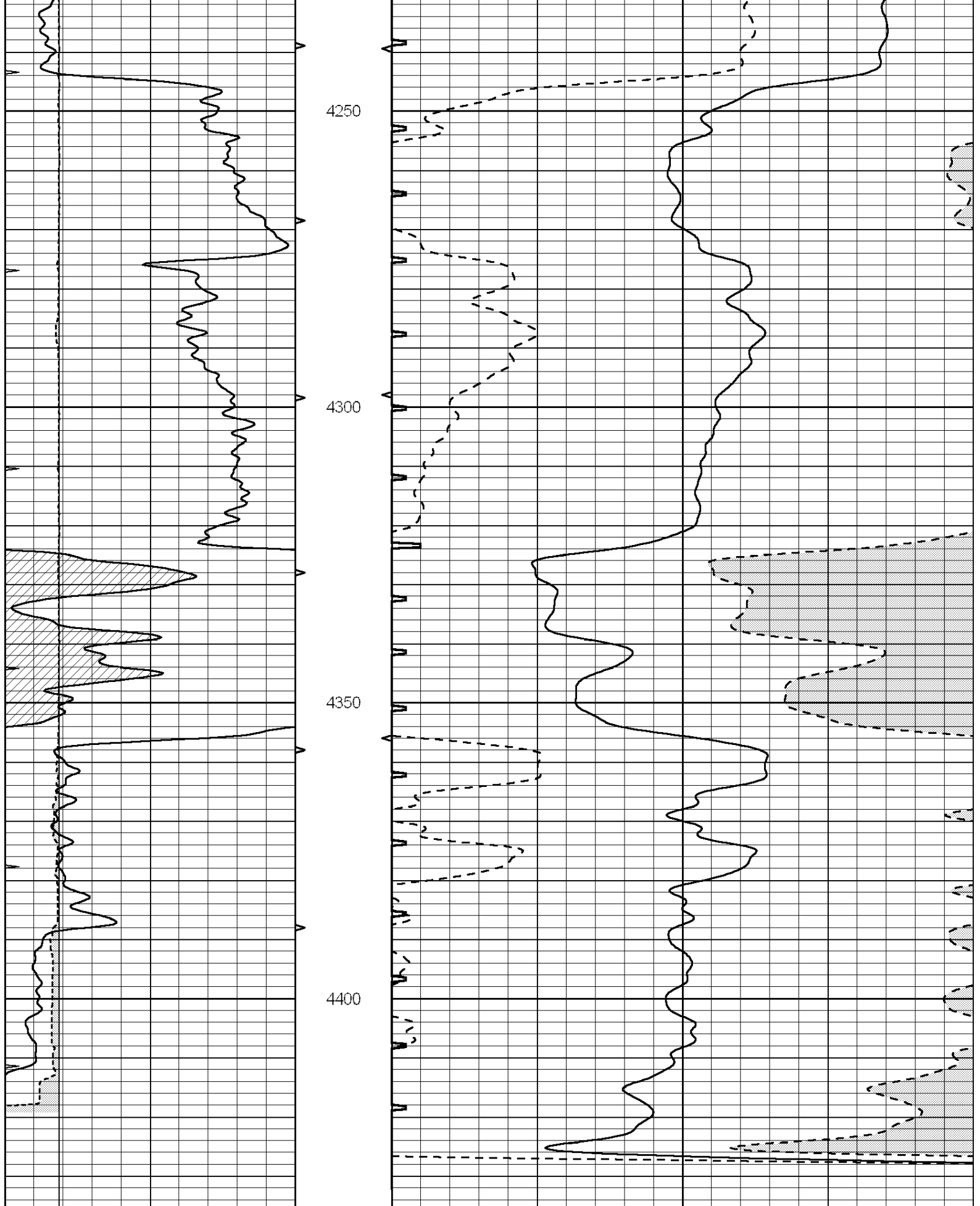




REPEAT SECTION

Database File: 4394pe.db
 Dataset Pathname: pass7.1
 Presentation Format: slt
 Dataset Creation: Sat Dec 21 01:32:43 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





0	GAMMA RAY (GAPI)	150	10	(ft3)	0	DELTA TIME (usec/ft)		40
6	CALIPER (in)	16				SONIC POROSITY (pu)		-10
-----						-----		
0	MINMK	20	TBHV			ITT (msec)		20

0 (13) 10