



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company DOWNING - NELSON OIL CO. INC. Well TAMMY "A" UNIT #1 Field WAKEENEY County TREGO State KANSAS		Company DOWNING - NELSON OIL COMPANY, INC. Well TAMMY "A" UNIT #1 Field WAKEENEY County TREGO State KANSAS	
Location: API # : 15-195-22855-0000 2370' FNL & 2225' FWL SW - SE - SE - NW SEC 26 TWP 11S RGE 23W		Other Services CDL/CNL DIL/MEL	
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 8' A.G.L. KELLY BUSHING	Elevation 2382 2388 2382	
Date	3/22/13		
Run Number	TWO		
Depth Driller	4150		
Depth Logger	4150		
Bottom Logged Interval	4138		
Top Log Interval	200		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	9.2/50		
pH / Fluid Loss	9.5/7.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950@74F		
Rmf @ Meas. Temp	.713@74F		
Rmc @ Meas. Temp	1.14@74F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.601@117F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	7:45 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	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 "NABORS" HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 WAKEENEY, KS. (N. EDGE) TO HIXON RD., "H RD.", 1E. TO "270TH RD.", 2 1/2N., 1/2 E. INTO

Database File:

010729ddn.db

Dataset Pathname:

pass8.6

Presentation Format:

slt

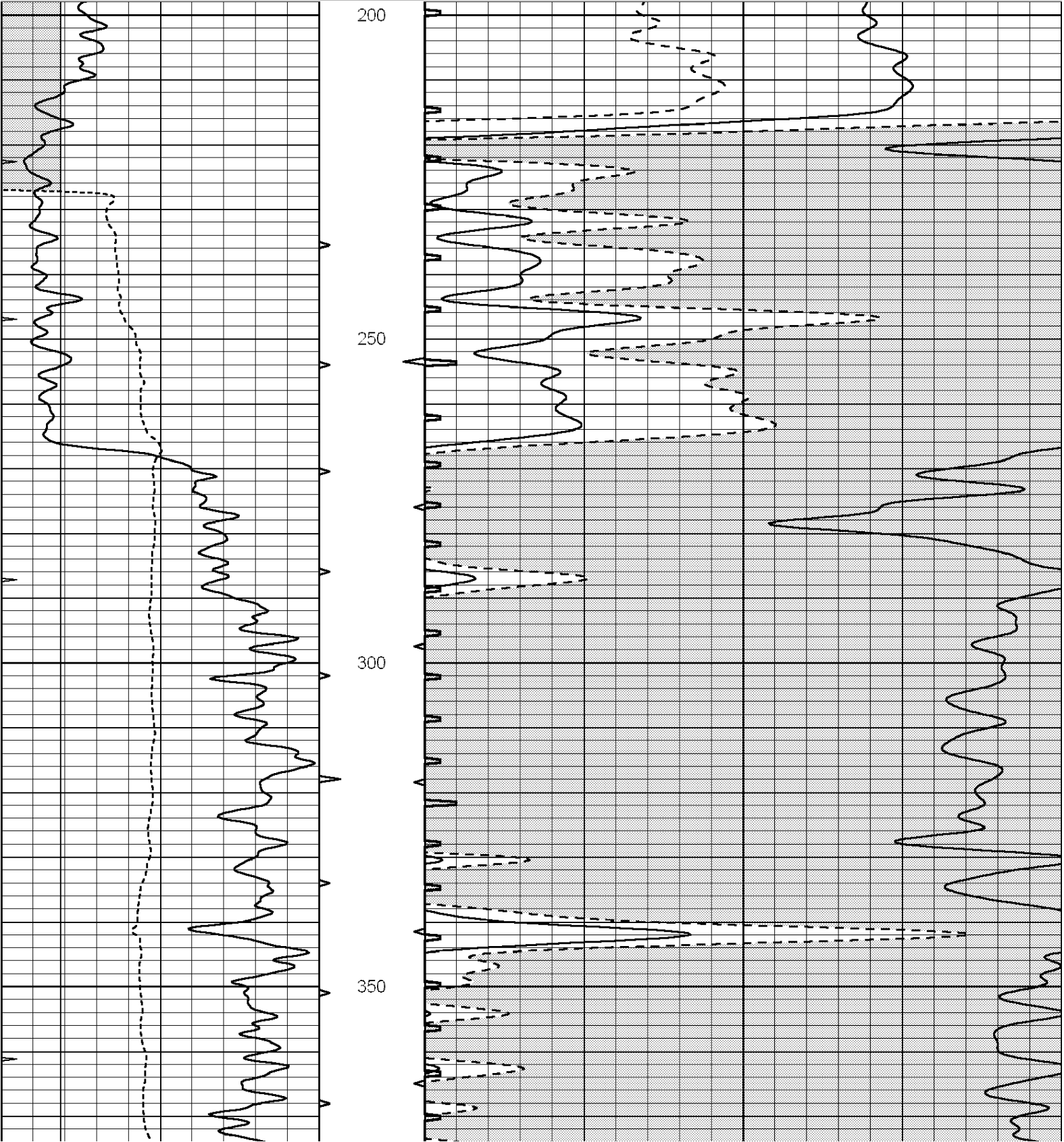
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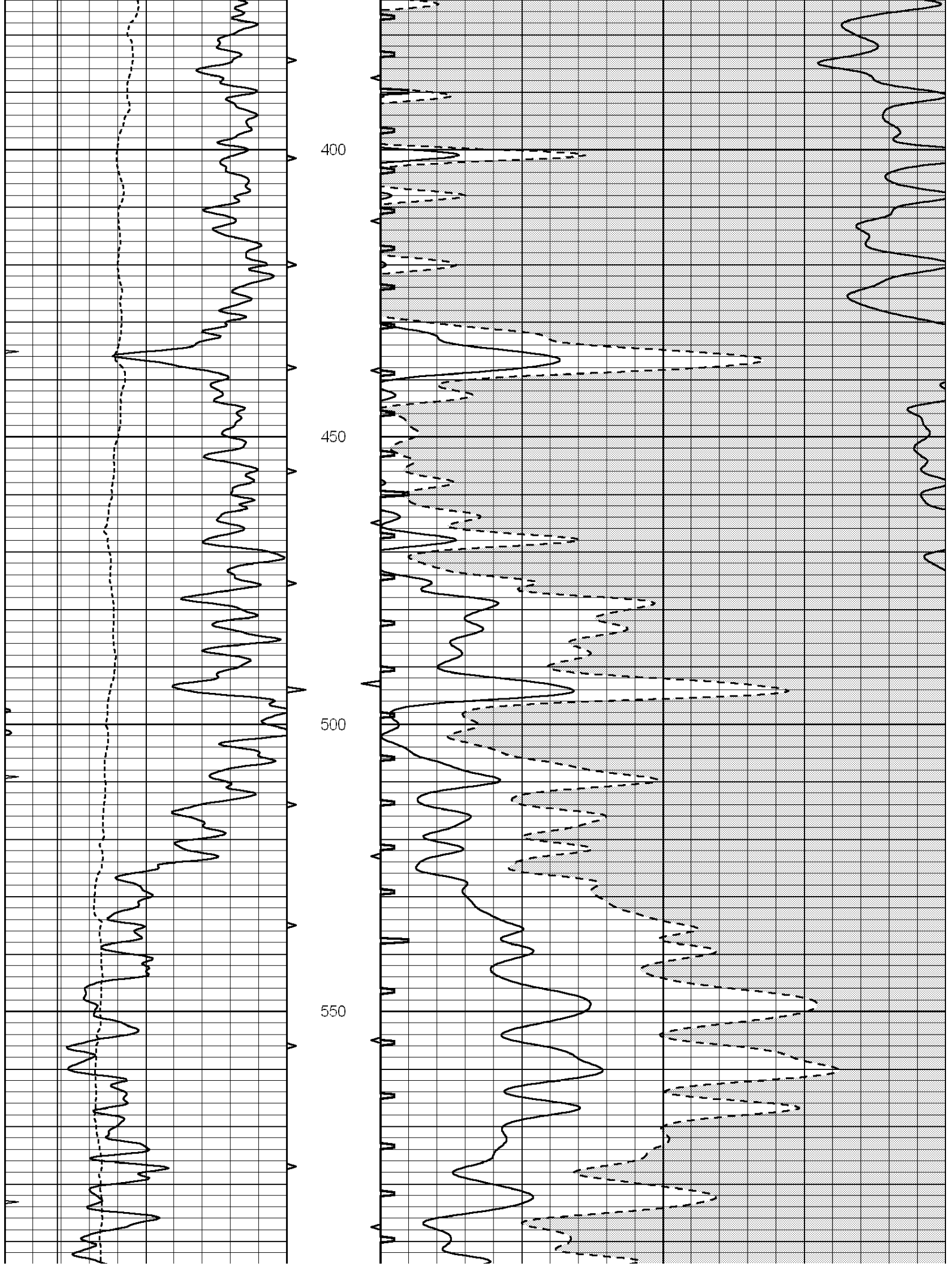
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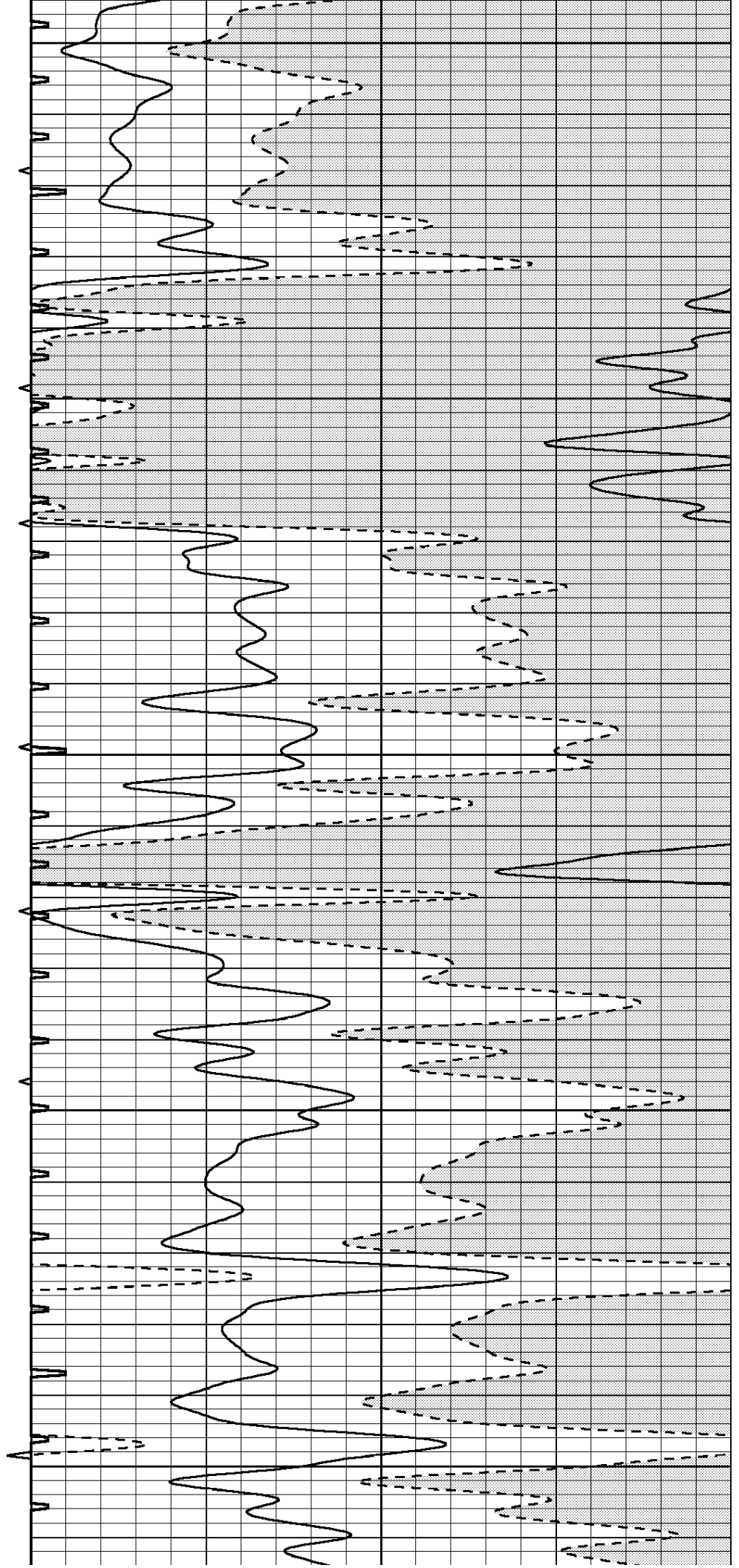
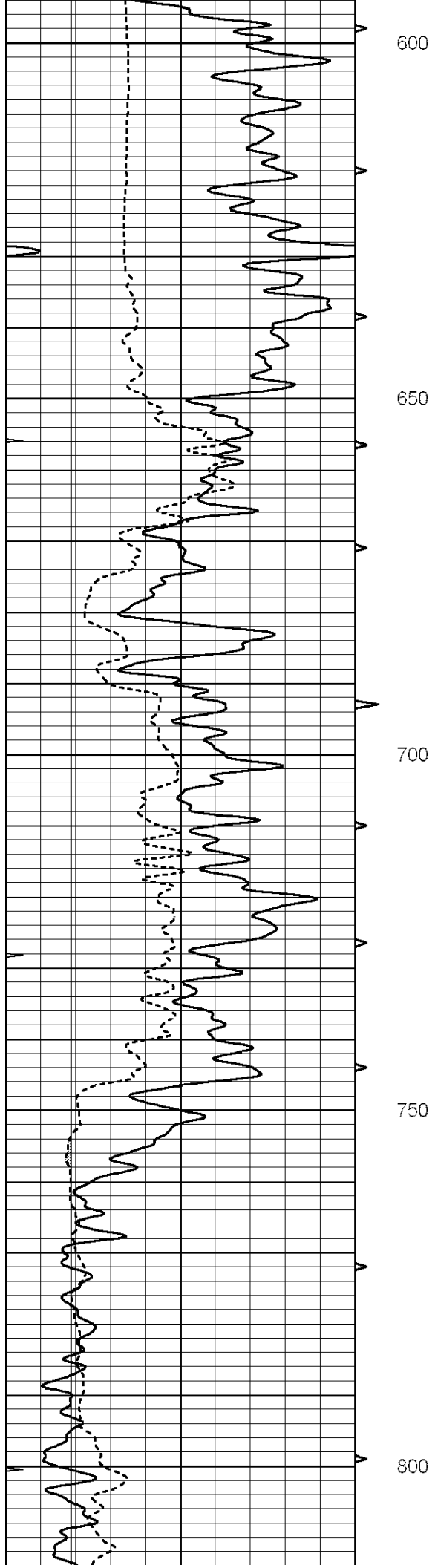
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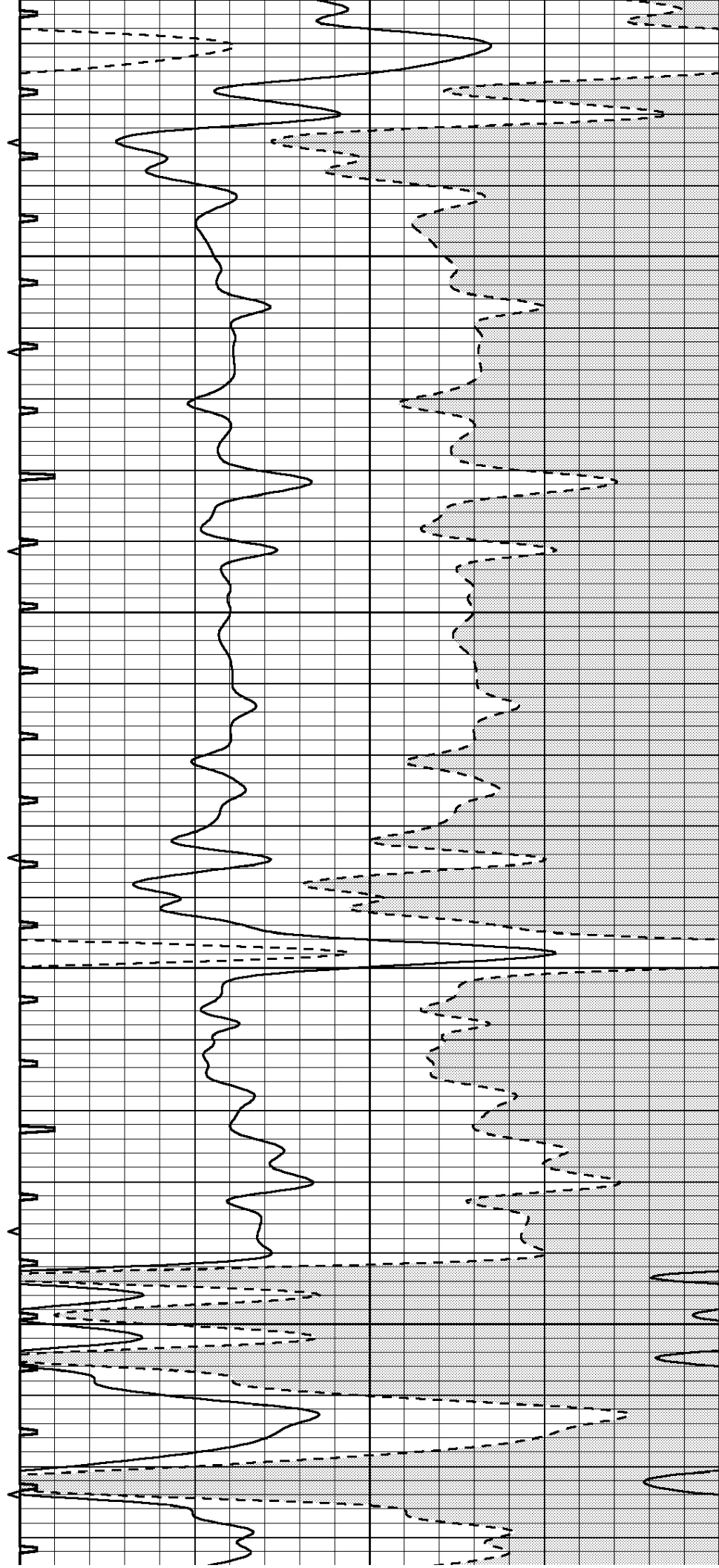
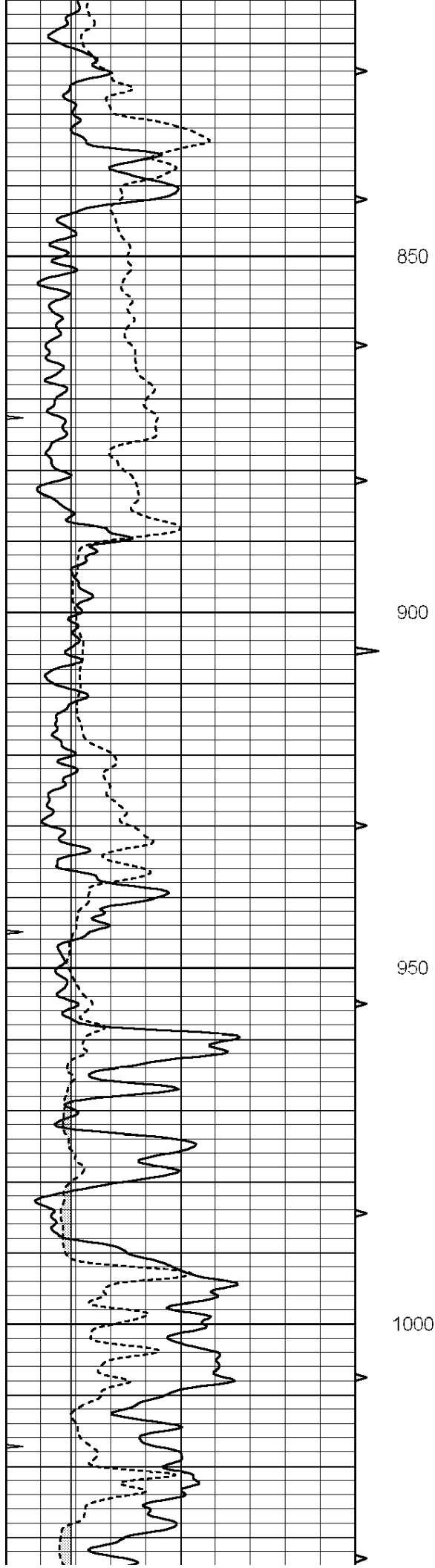
Depth in Feet scaled 1:240

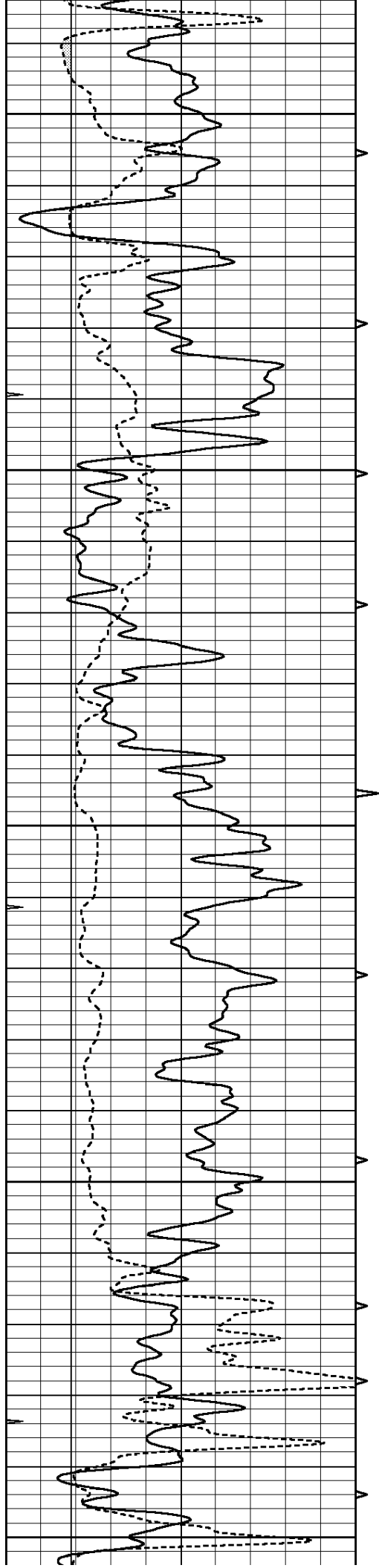
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)		40	
6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)		-10
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0	MINMK	20	TBHV	0	ITT (msec)	20		
			0 (ft3)	10				











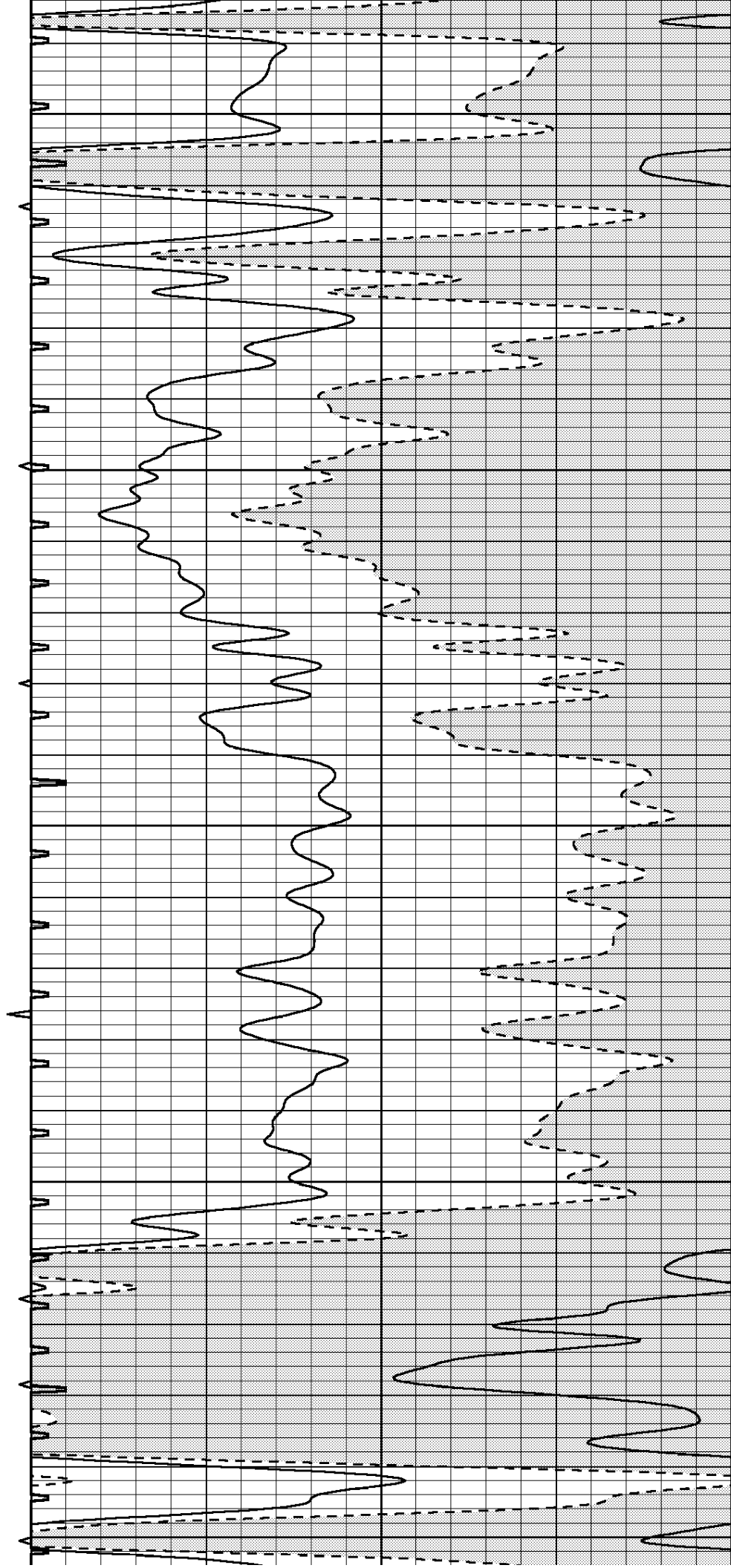
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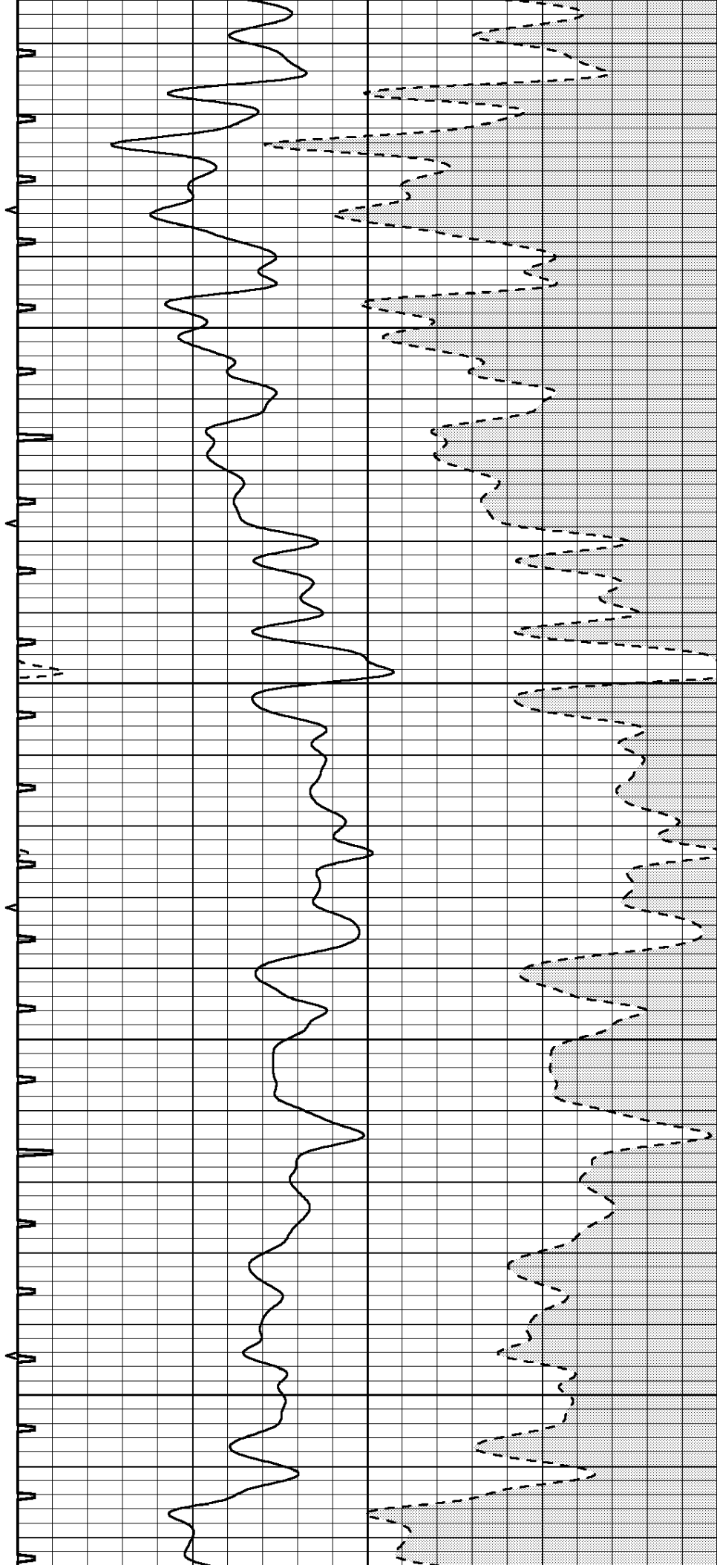
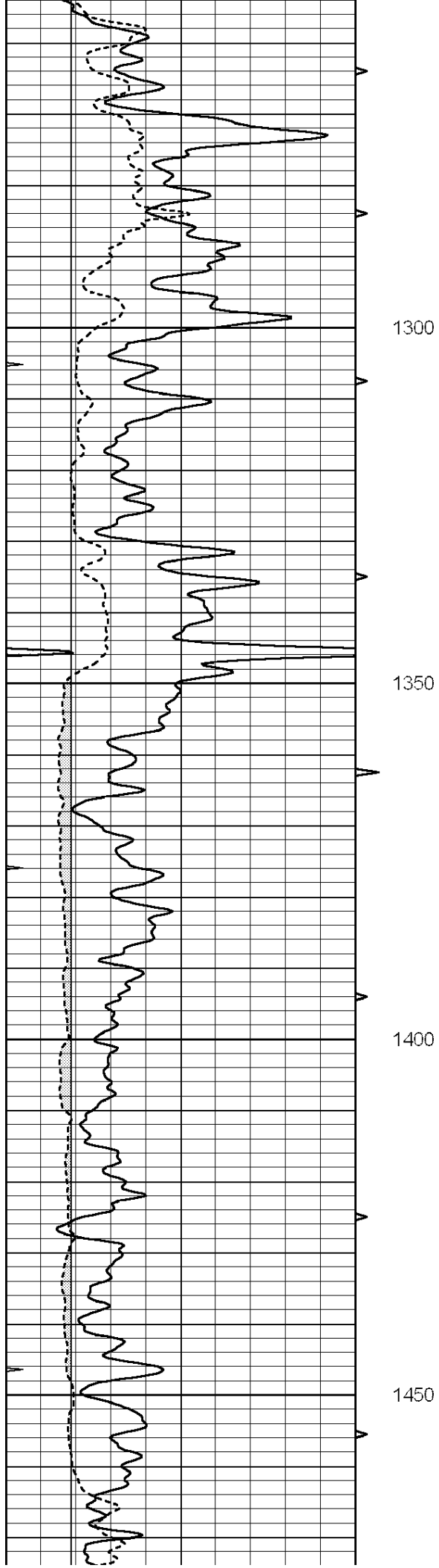
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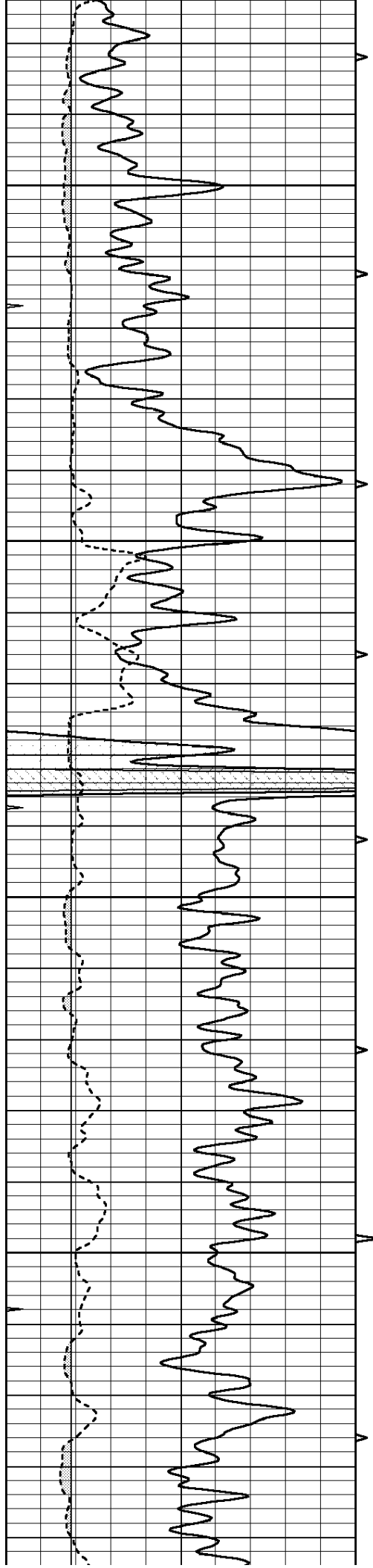
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1250





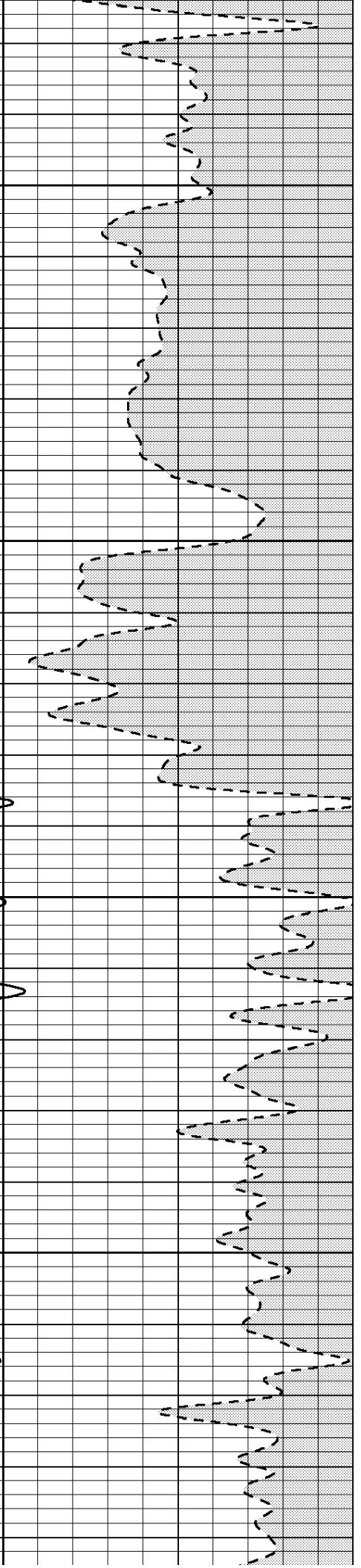
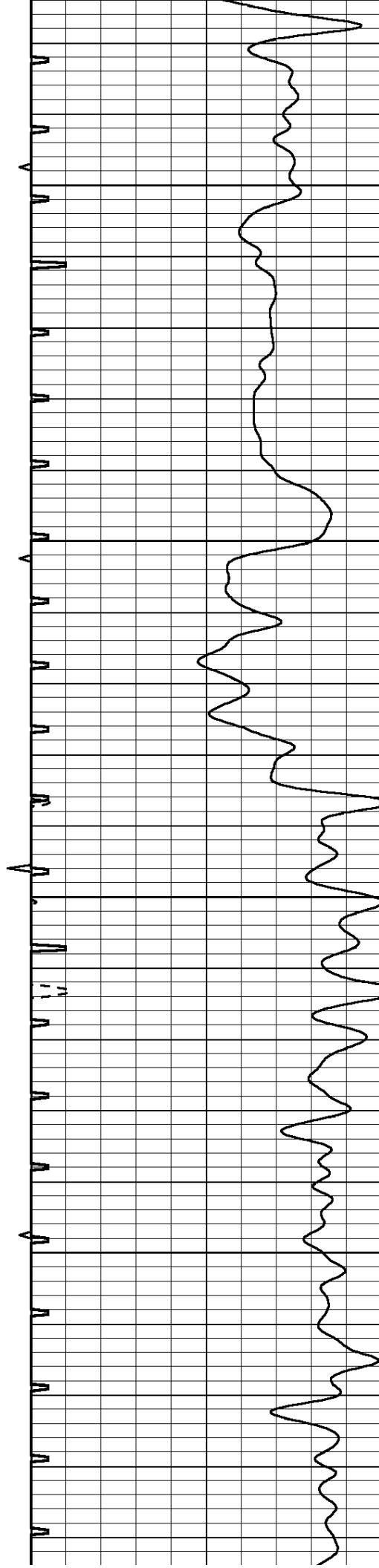


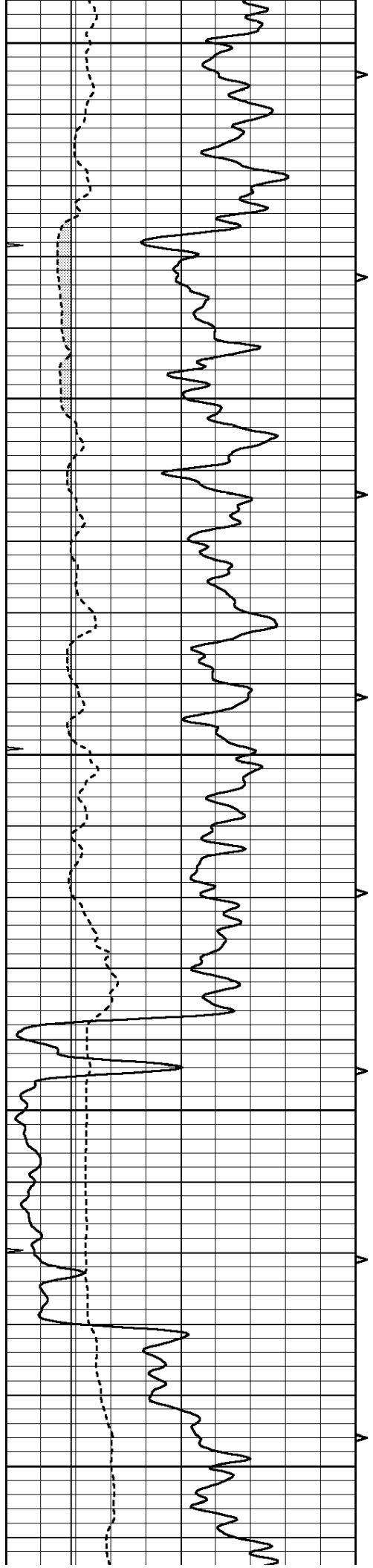
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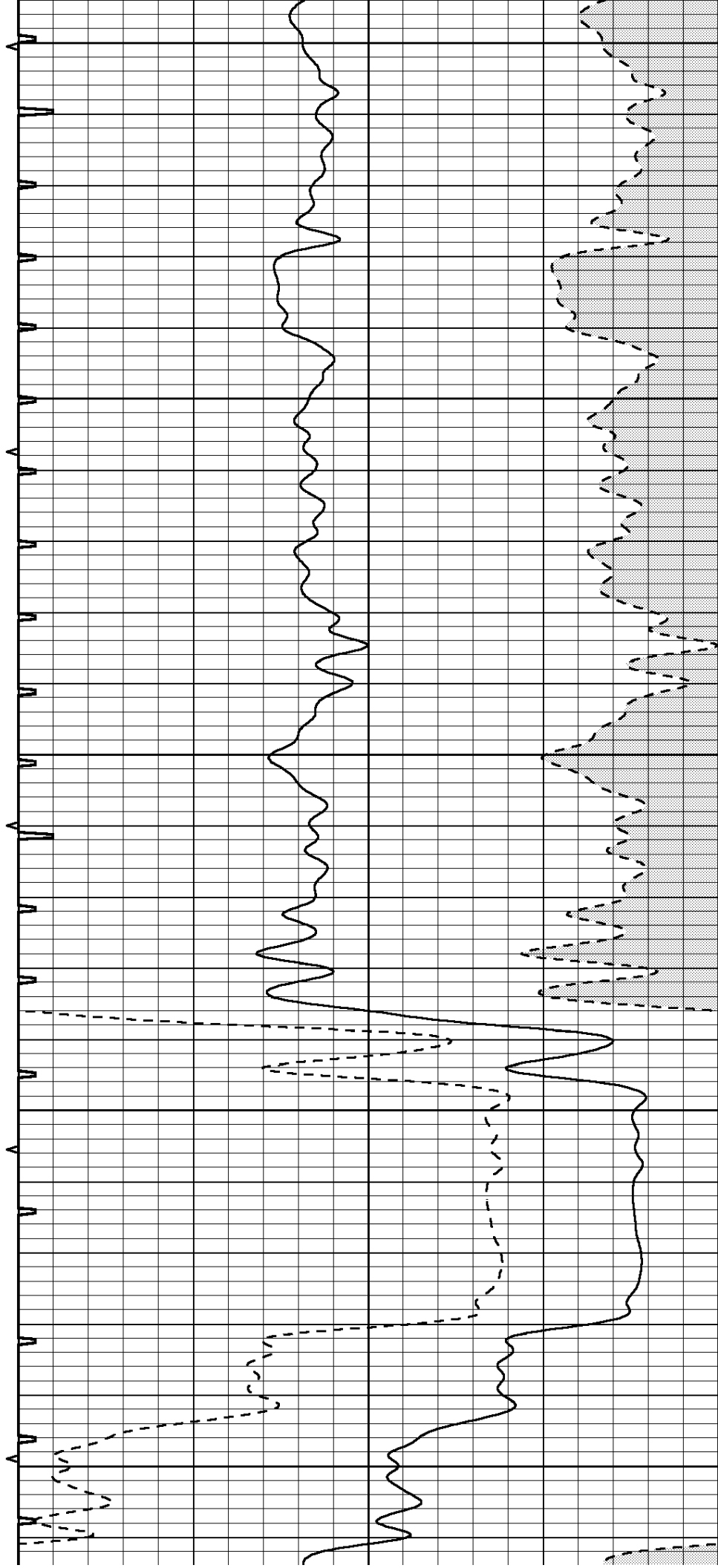
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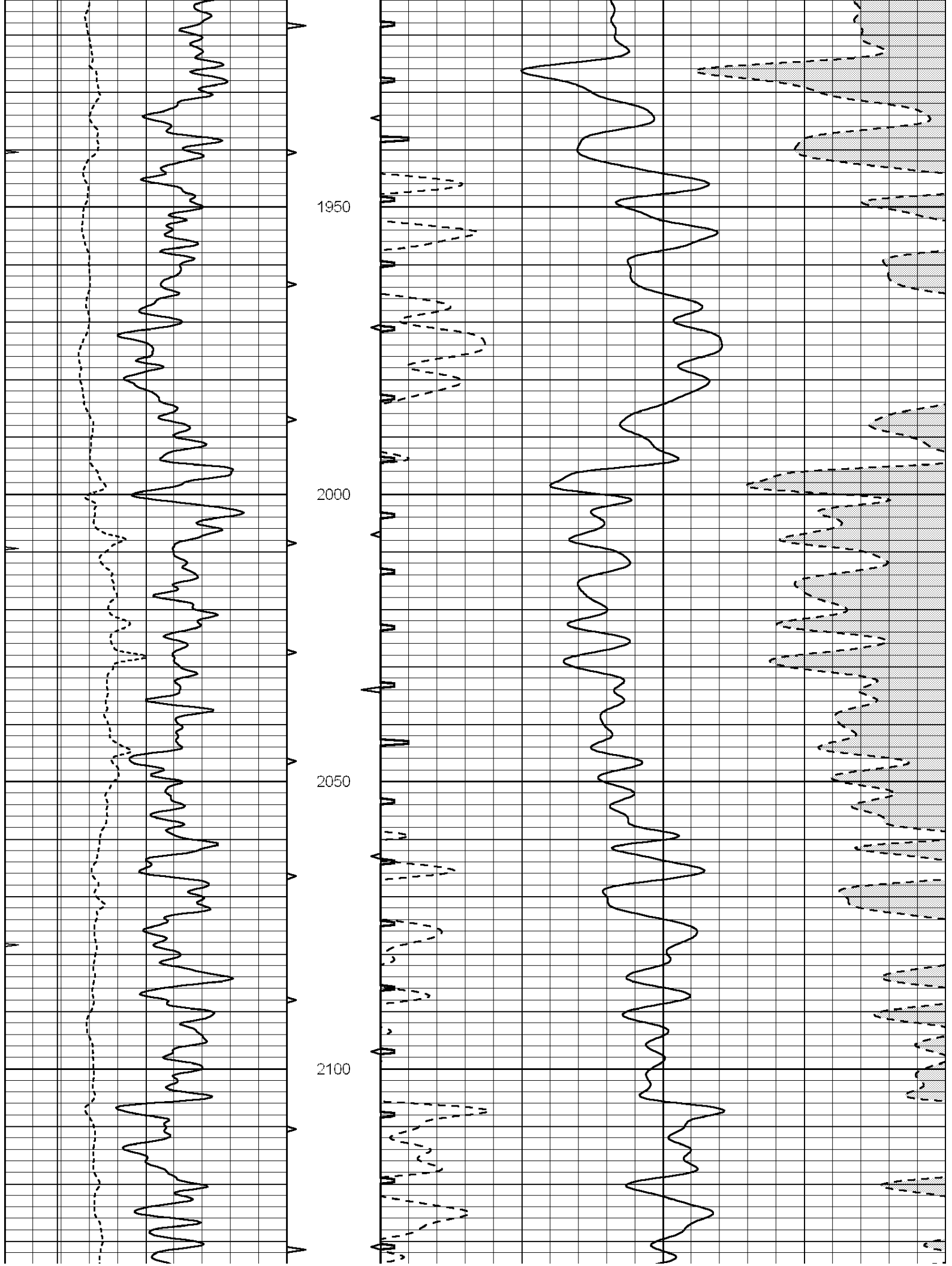
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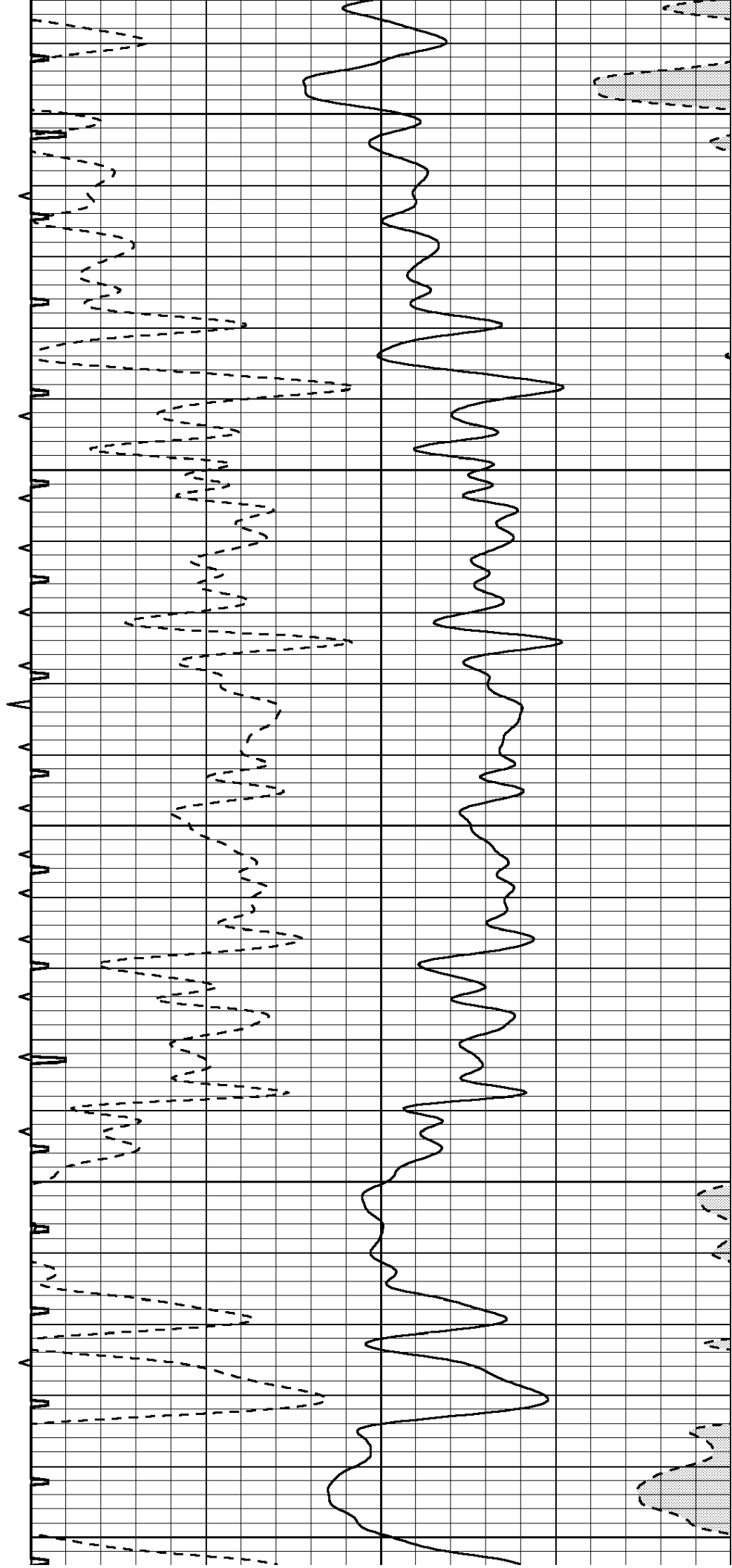
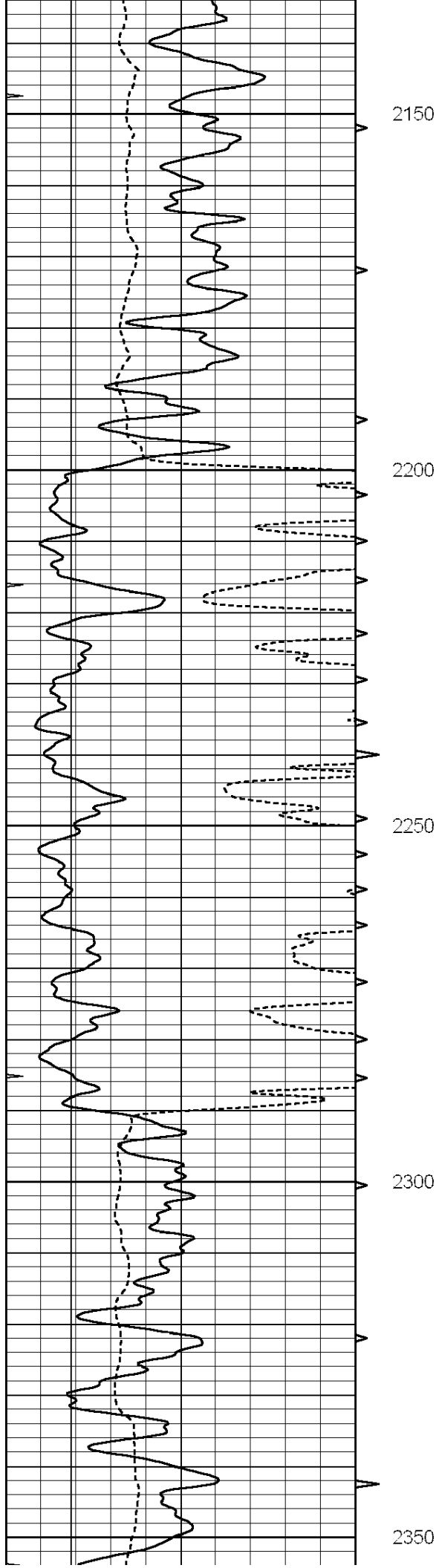
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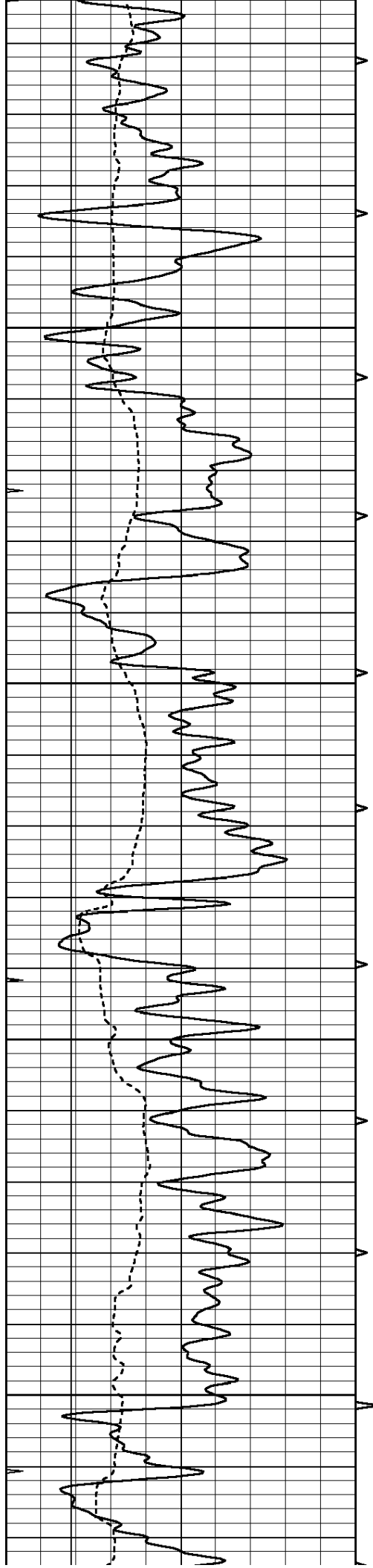
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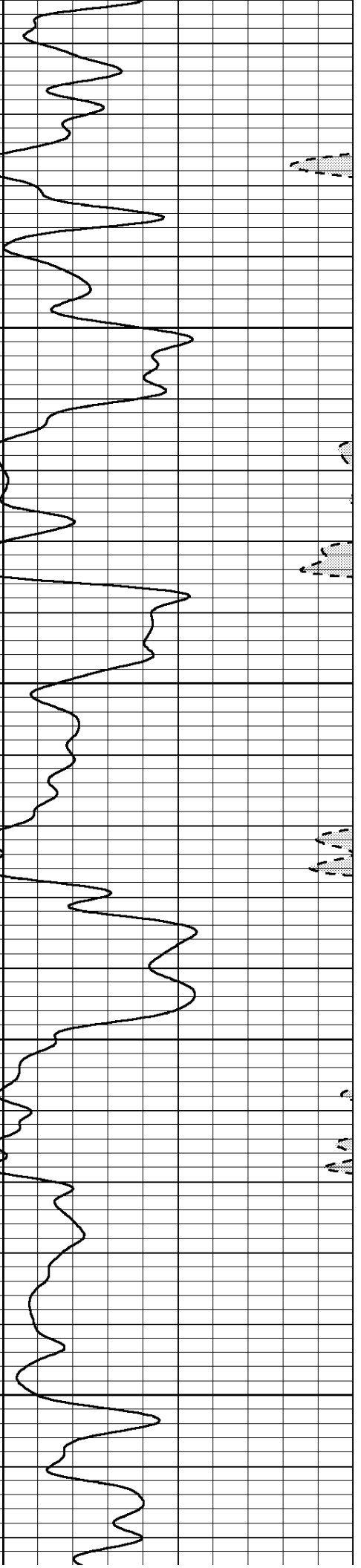
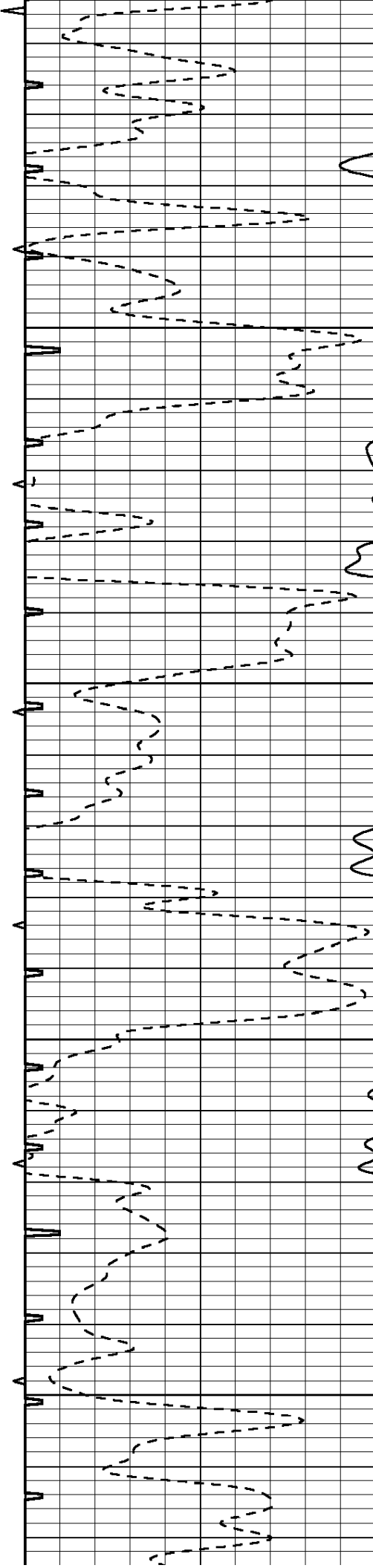


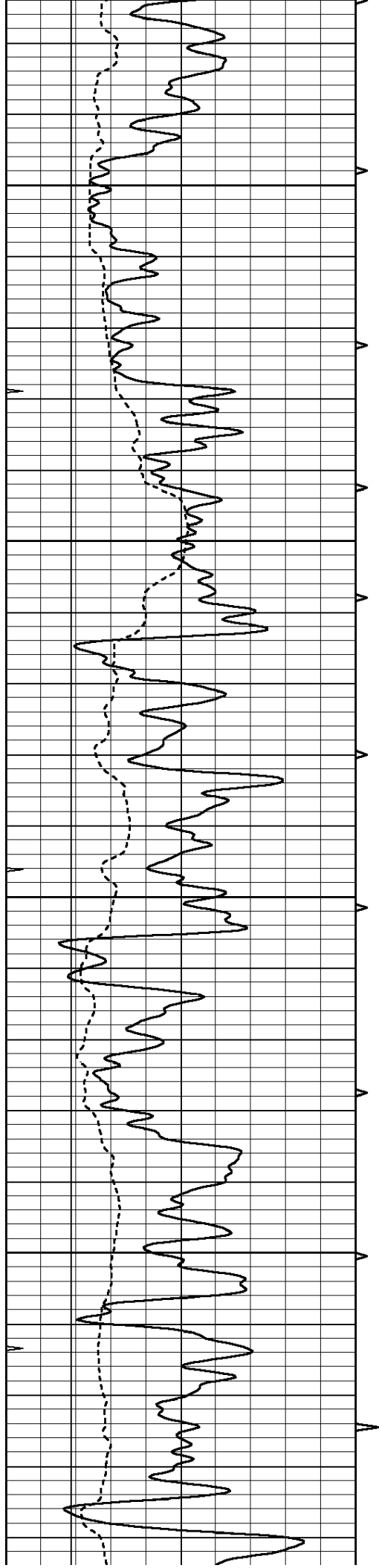
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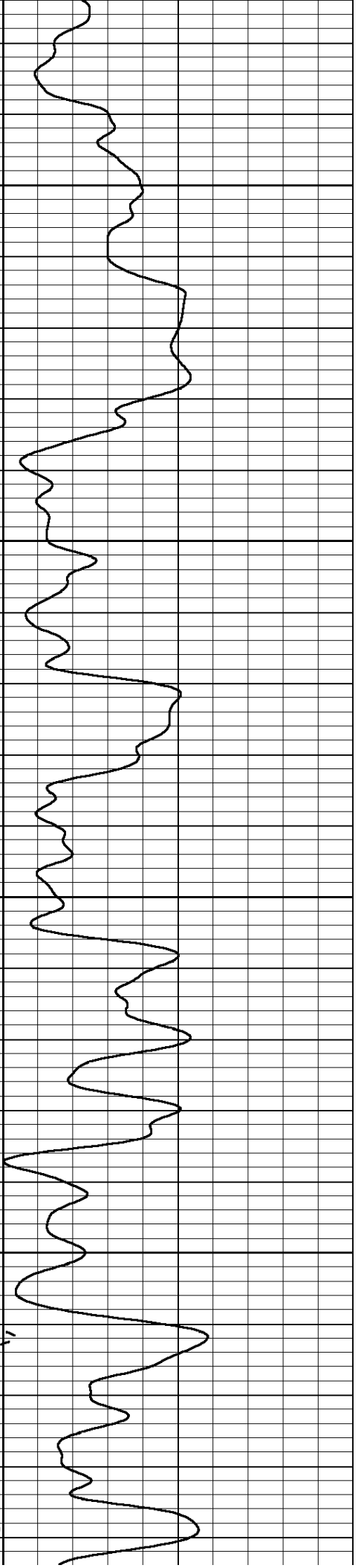
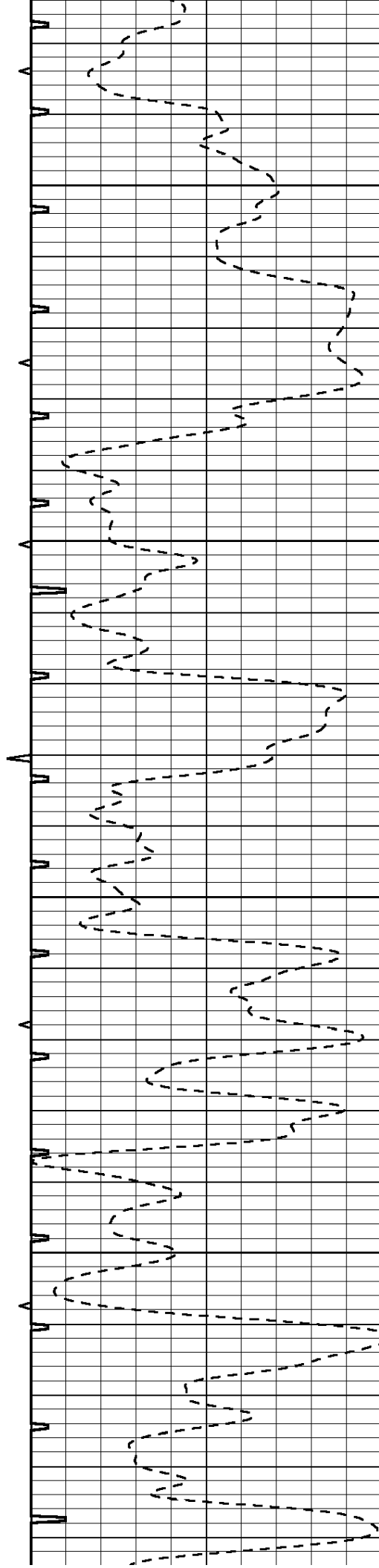


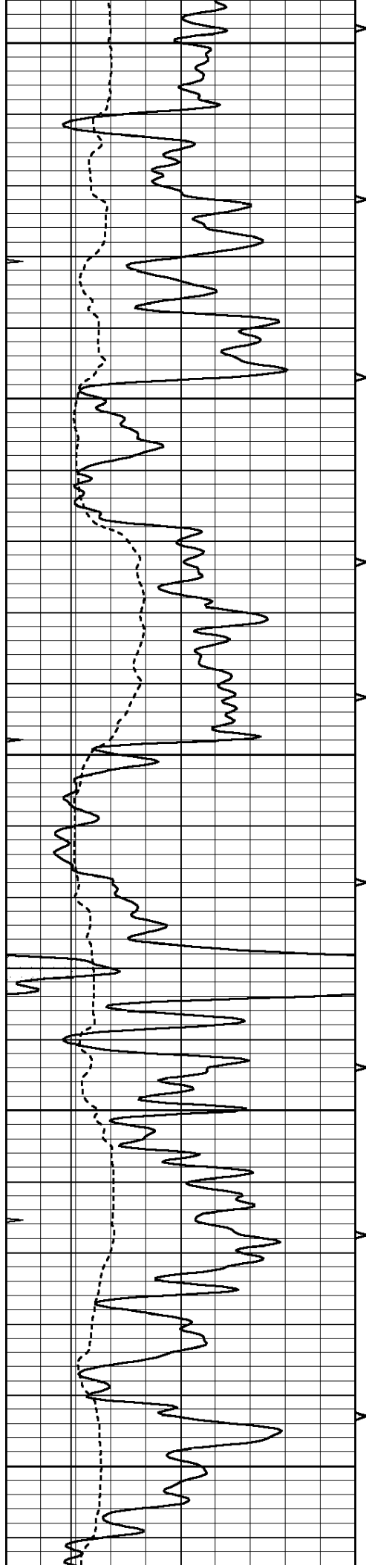
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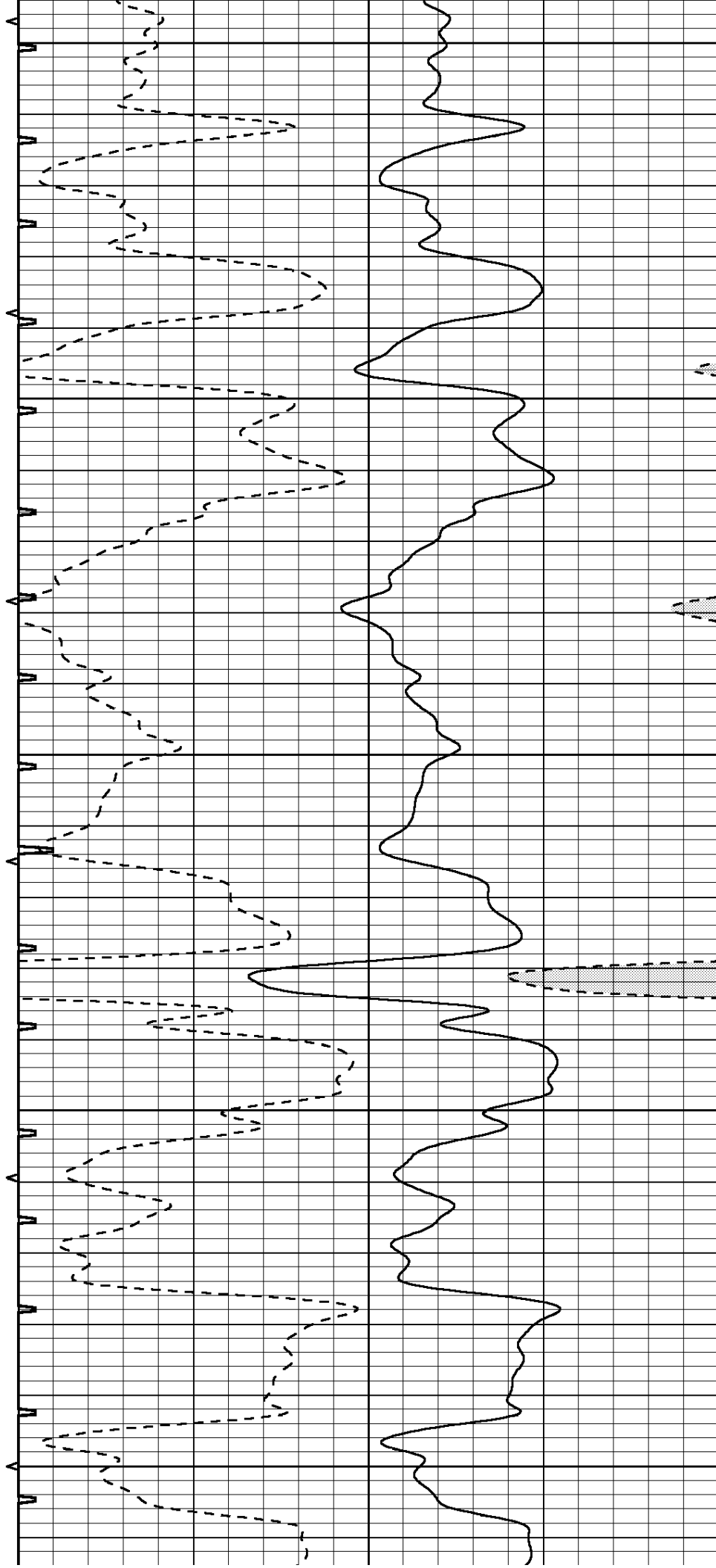
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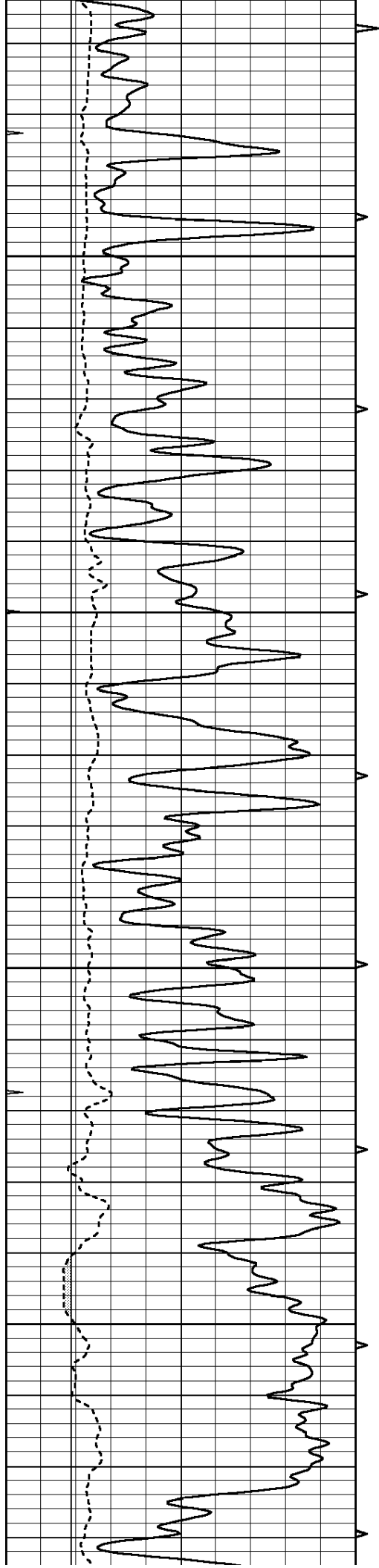
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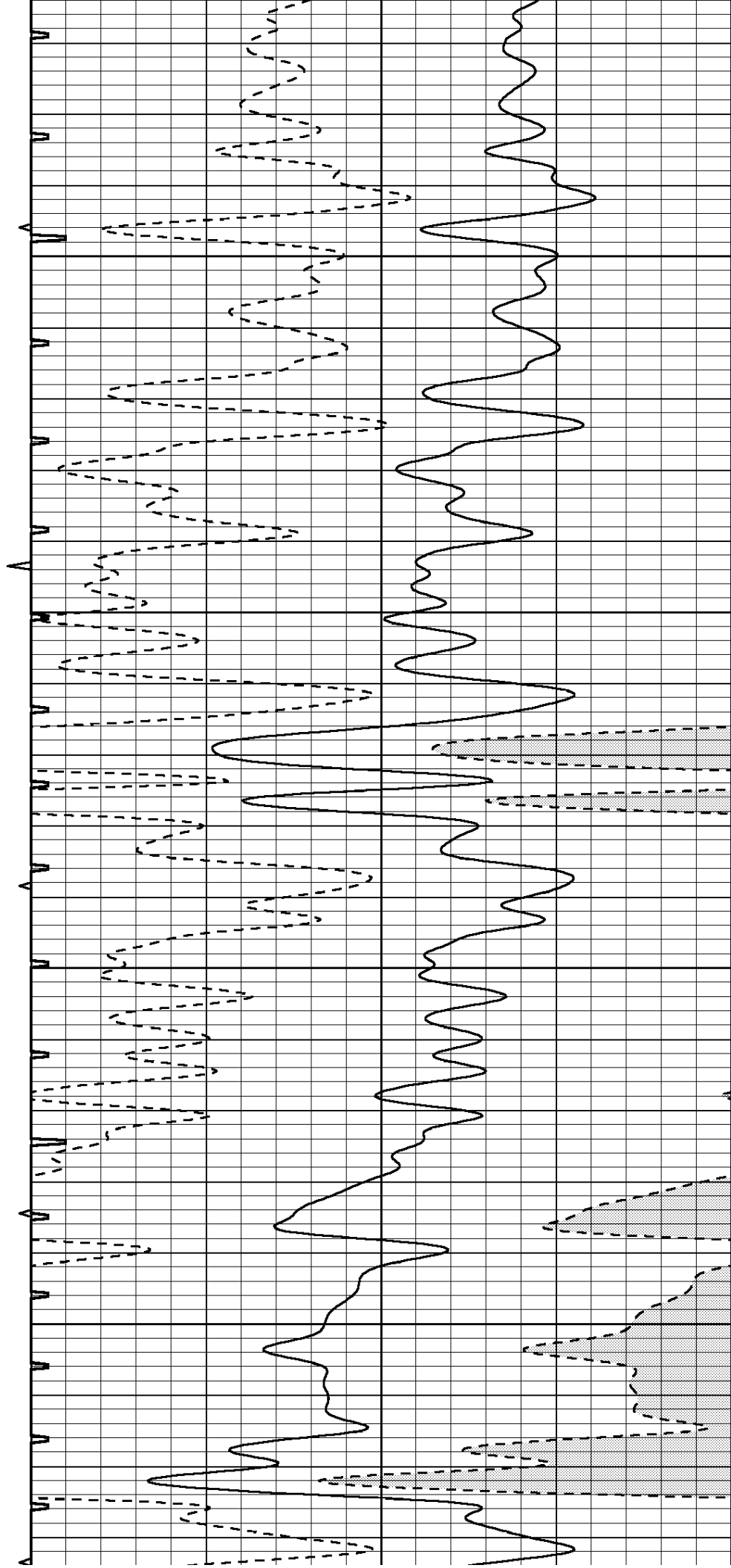


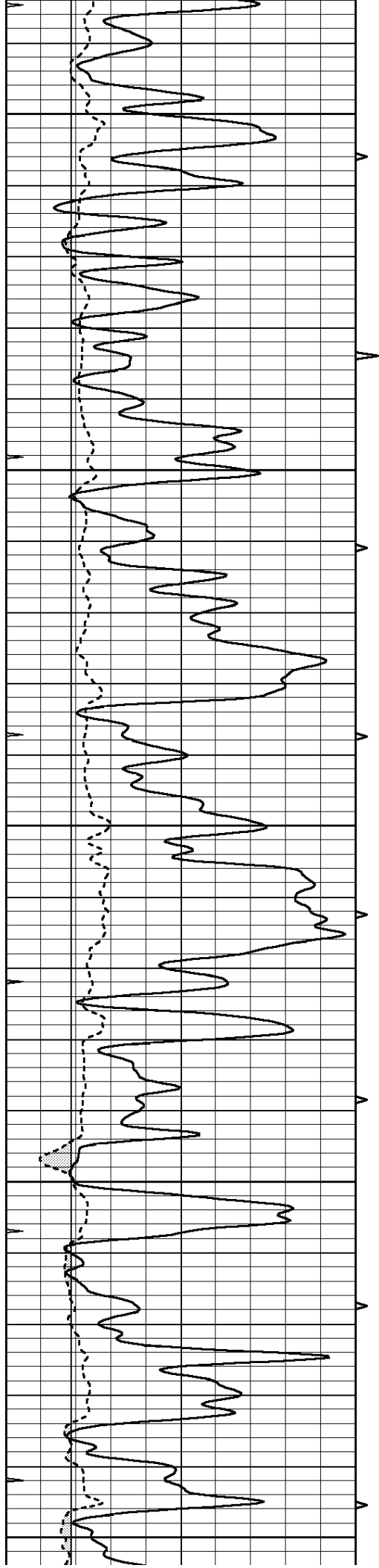
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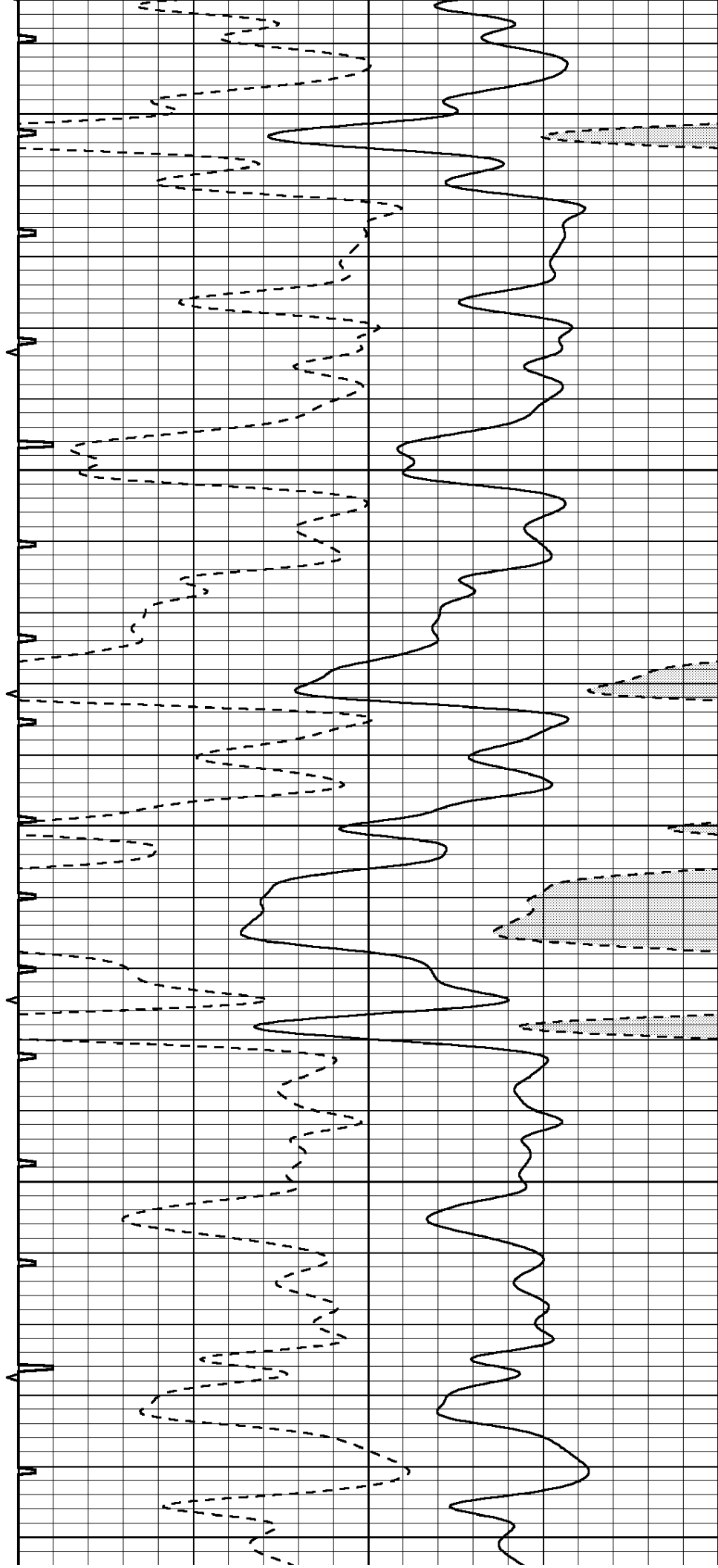
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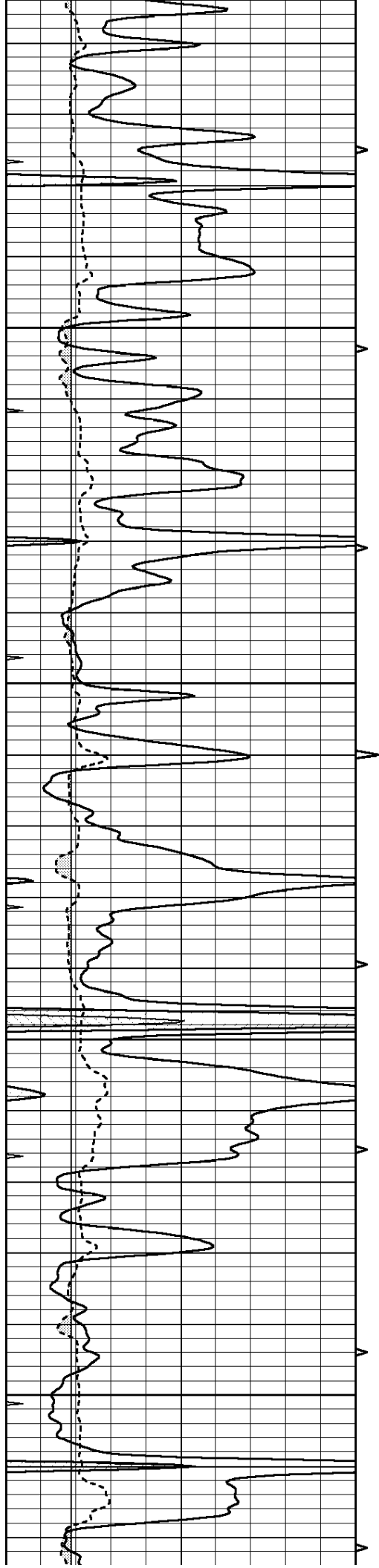
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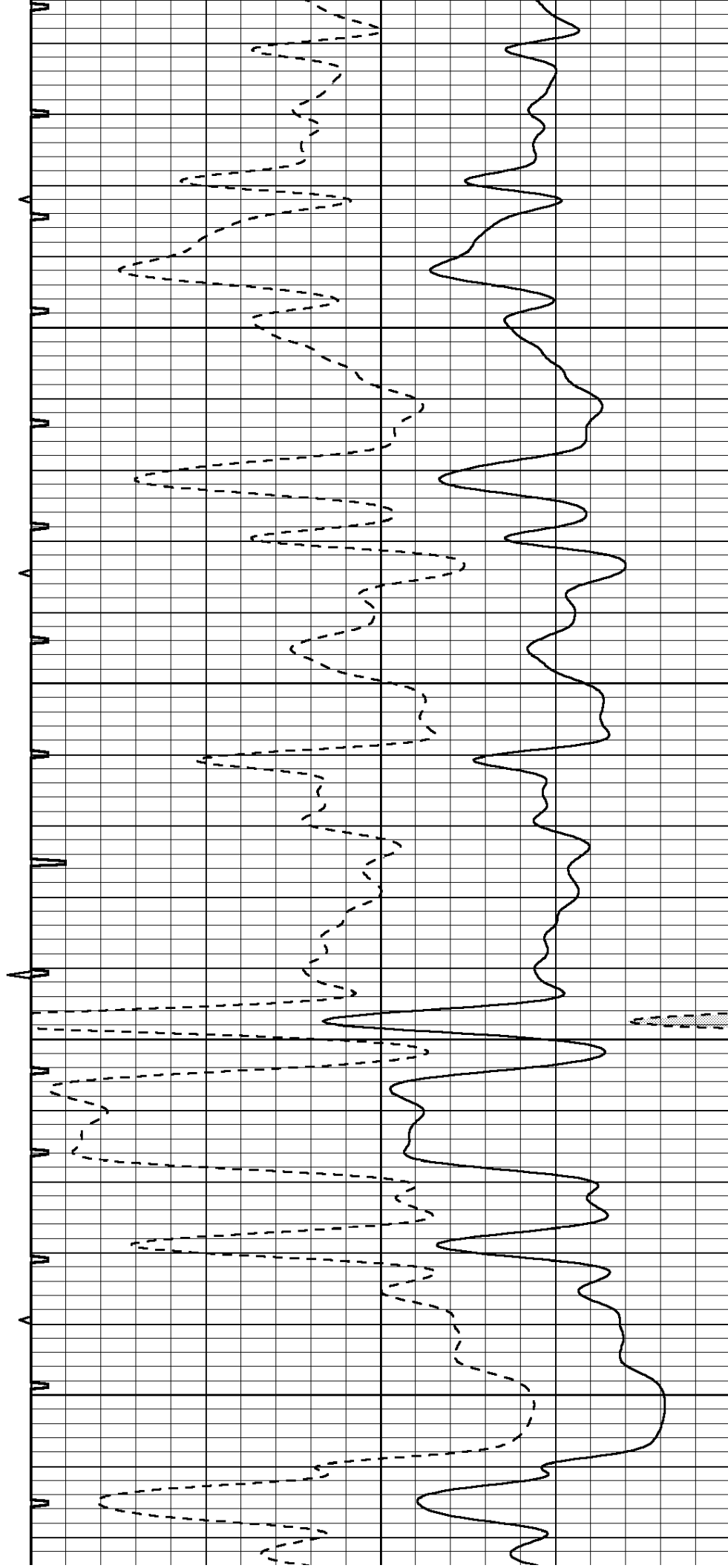


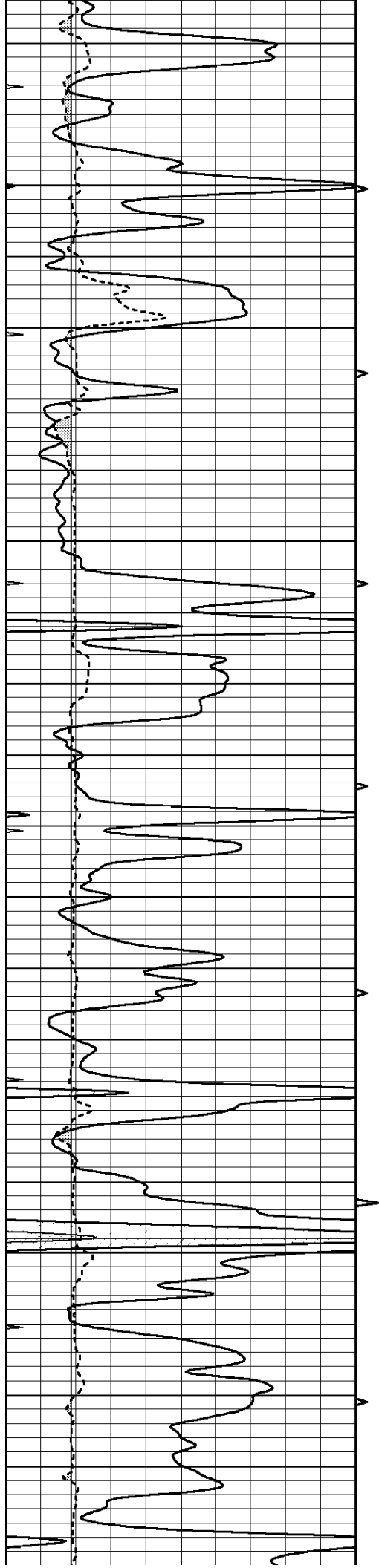
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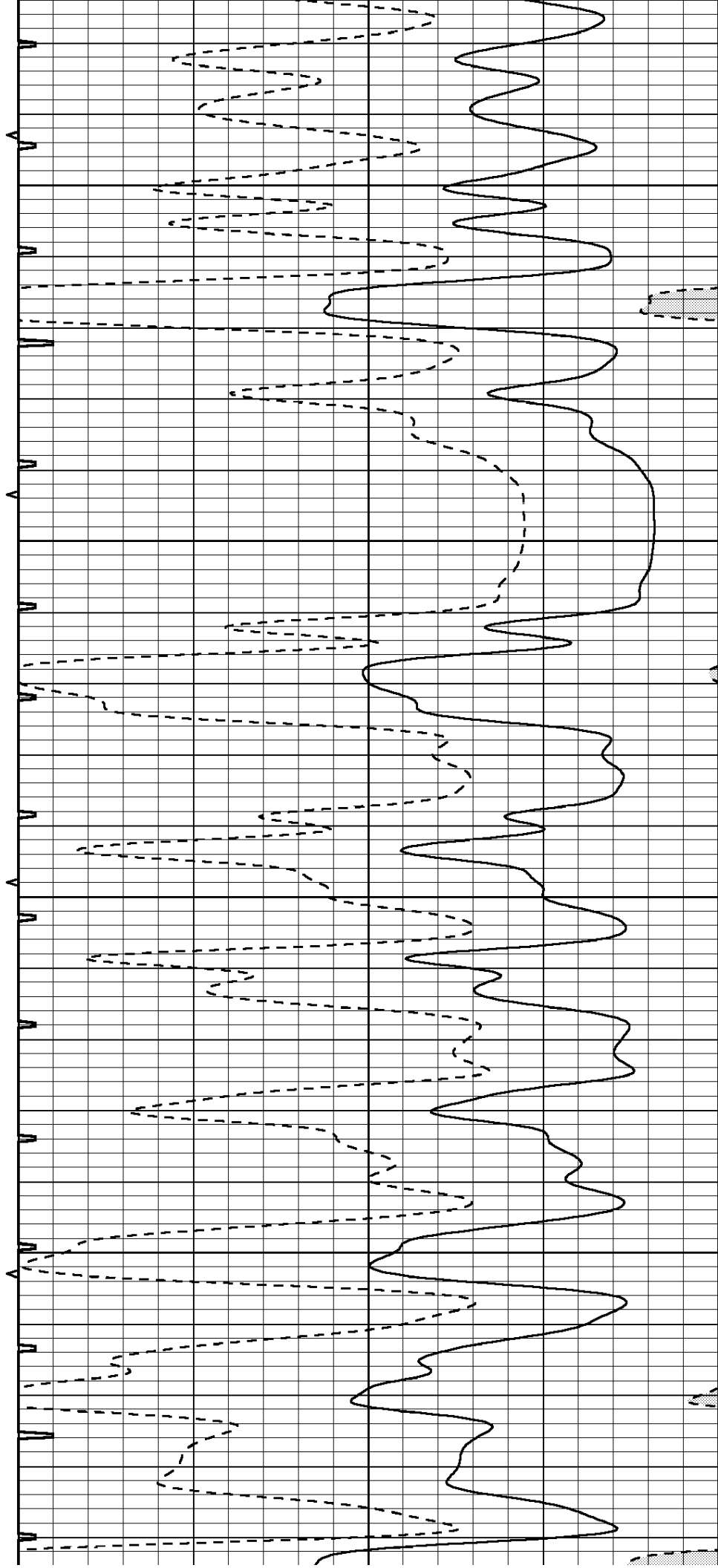


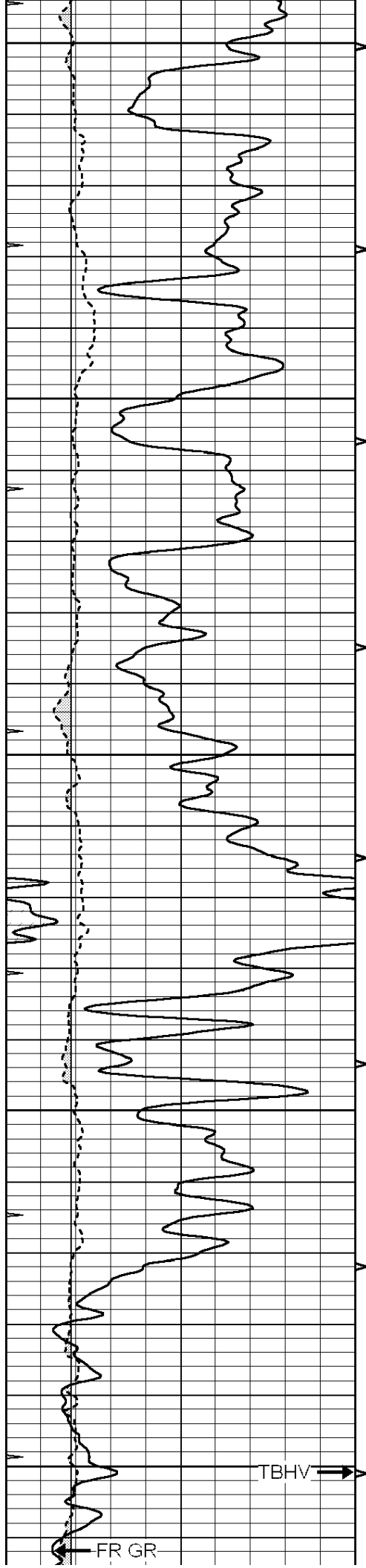
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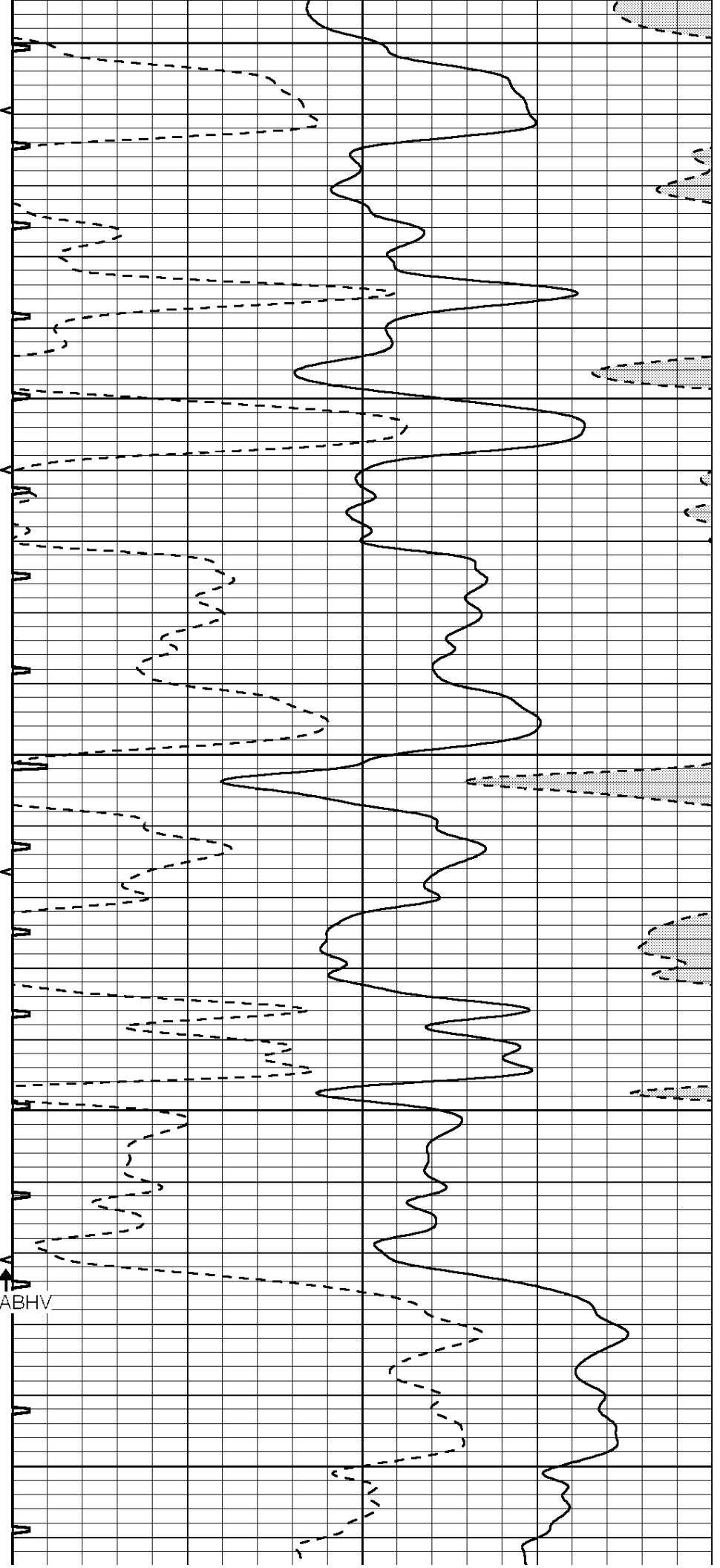
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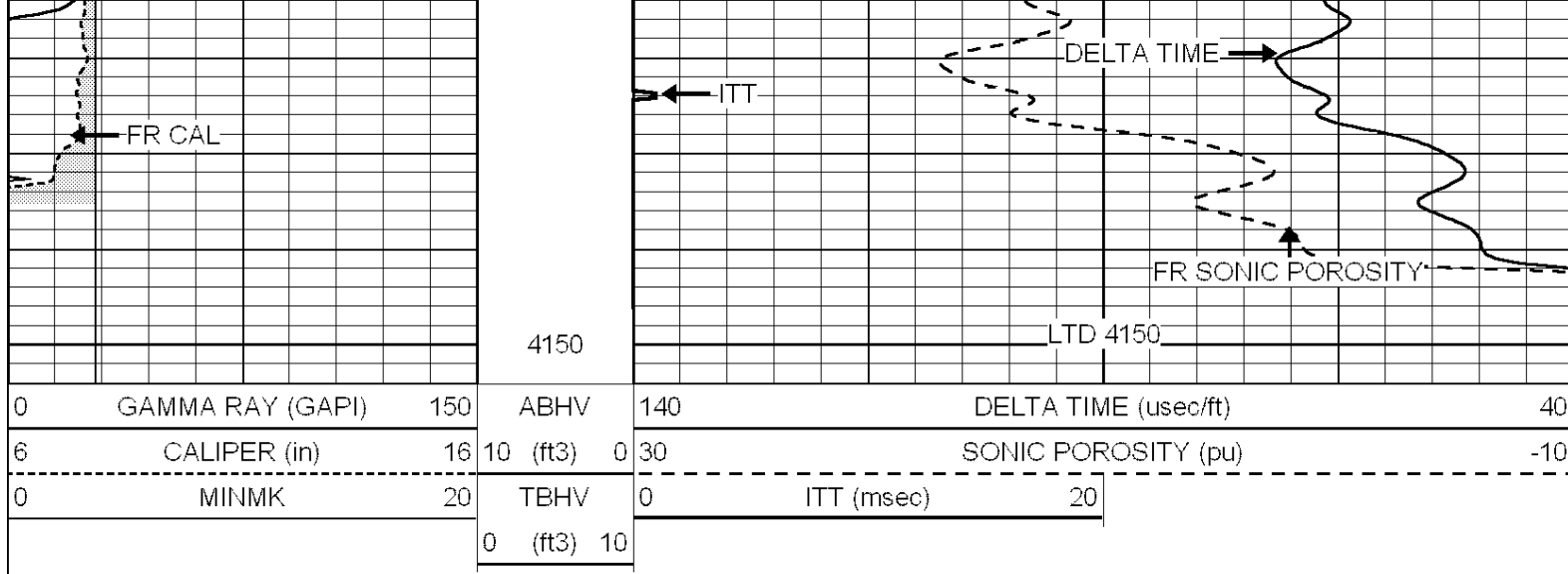
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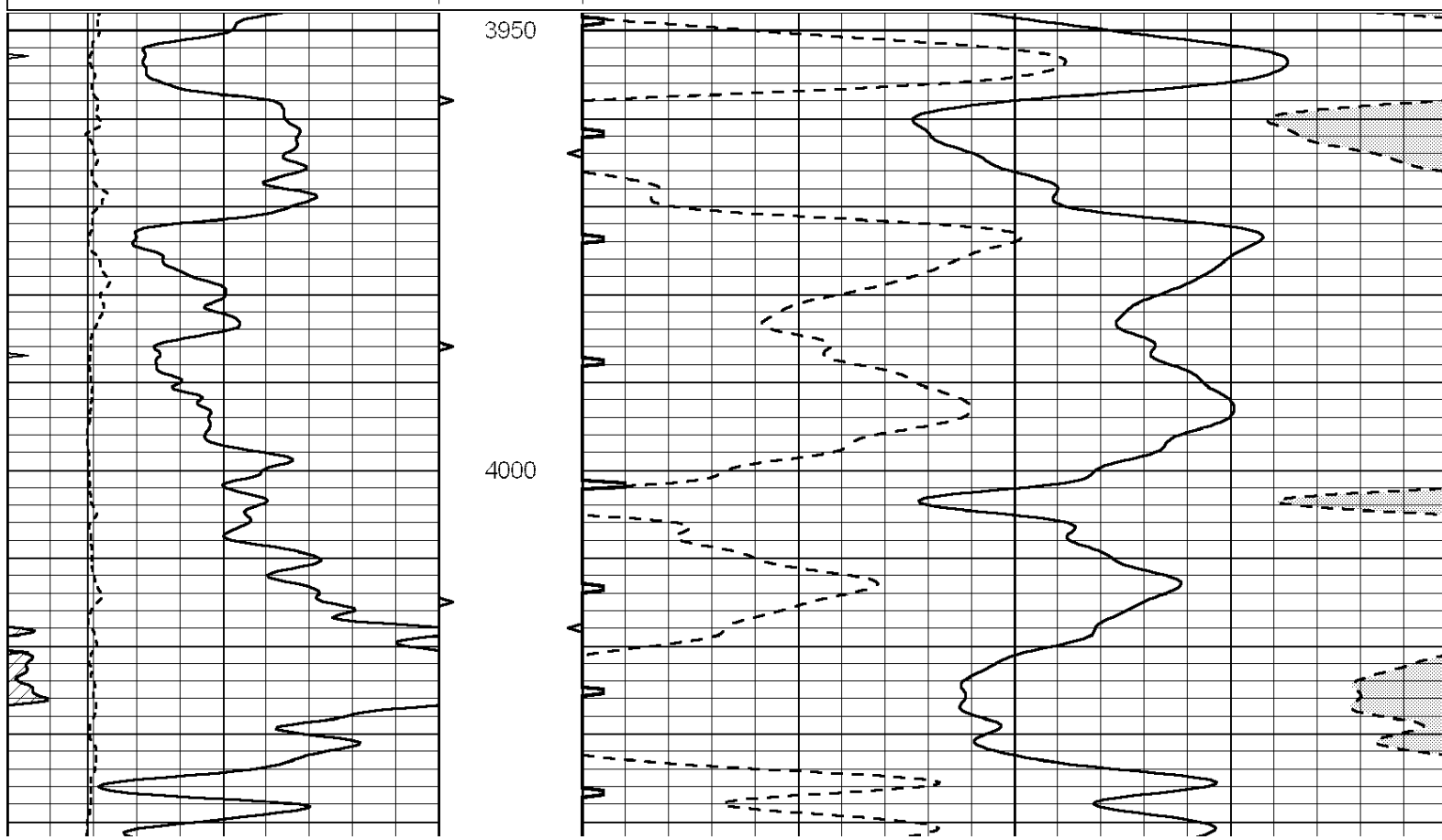
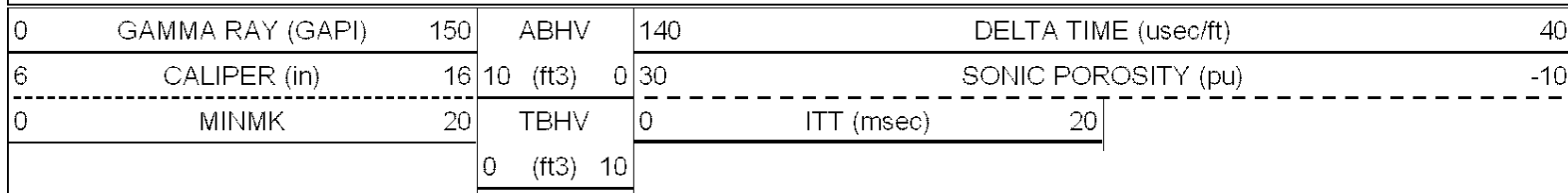
5.5" ABHV

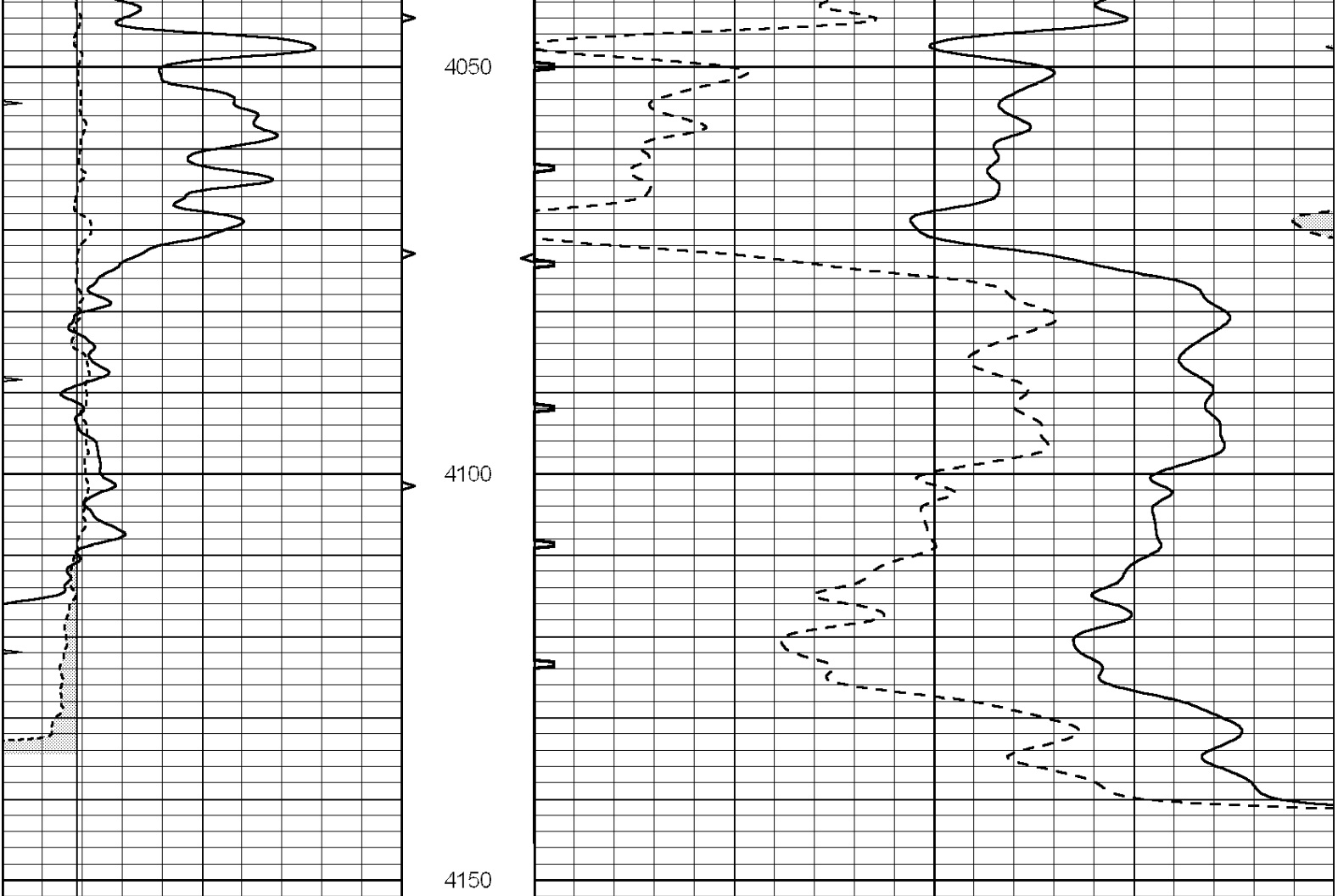




REPEAT SECTION

Database File: 010729ddn.db
 Dataset Pathname: pass7.3
 Presentation Format: slt
 Dataset Creation: Fri Mar 22 11:11:26 2013
 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			