



SONIC LOG

Company	SHELBY RESOURCES, LLC		
Well	FROETSCHNER #1-12		
Field	WILDCAT		
County	PAWNEE	State	KANSAS
Location:	APL # : 15-145-21833-0000 1860' FNL & 526' FEL SW - NE - SE - NE		Other Services CDL/CNL DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	2020
Log Measured From	KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	7/5/18		
Run Number	TWO		
Depth Driller	4020		
Depth Logger	4020		
Bottom Logged Interval	4012		
Top Log Interval	1000		
Casing Driller	8 5/8"@1057'		
Casing Logger	1057		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,600 PPM	
Density / Viscosity	9.3/59		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.600@90F		
Rmf @ Meas. Temp	.450@90F		
Rmc @ Meas. Temp	.720@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.466@116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	10:30 A.M.		
Maximum Recorded Temperature	116F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JEREMY SCHWARTZ		

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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
LARNED, KS., (MAIN ST. & HWY 56) 2 S.W. ON HWY 56, N. INTO

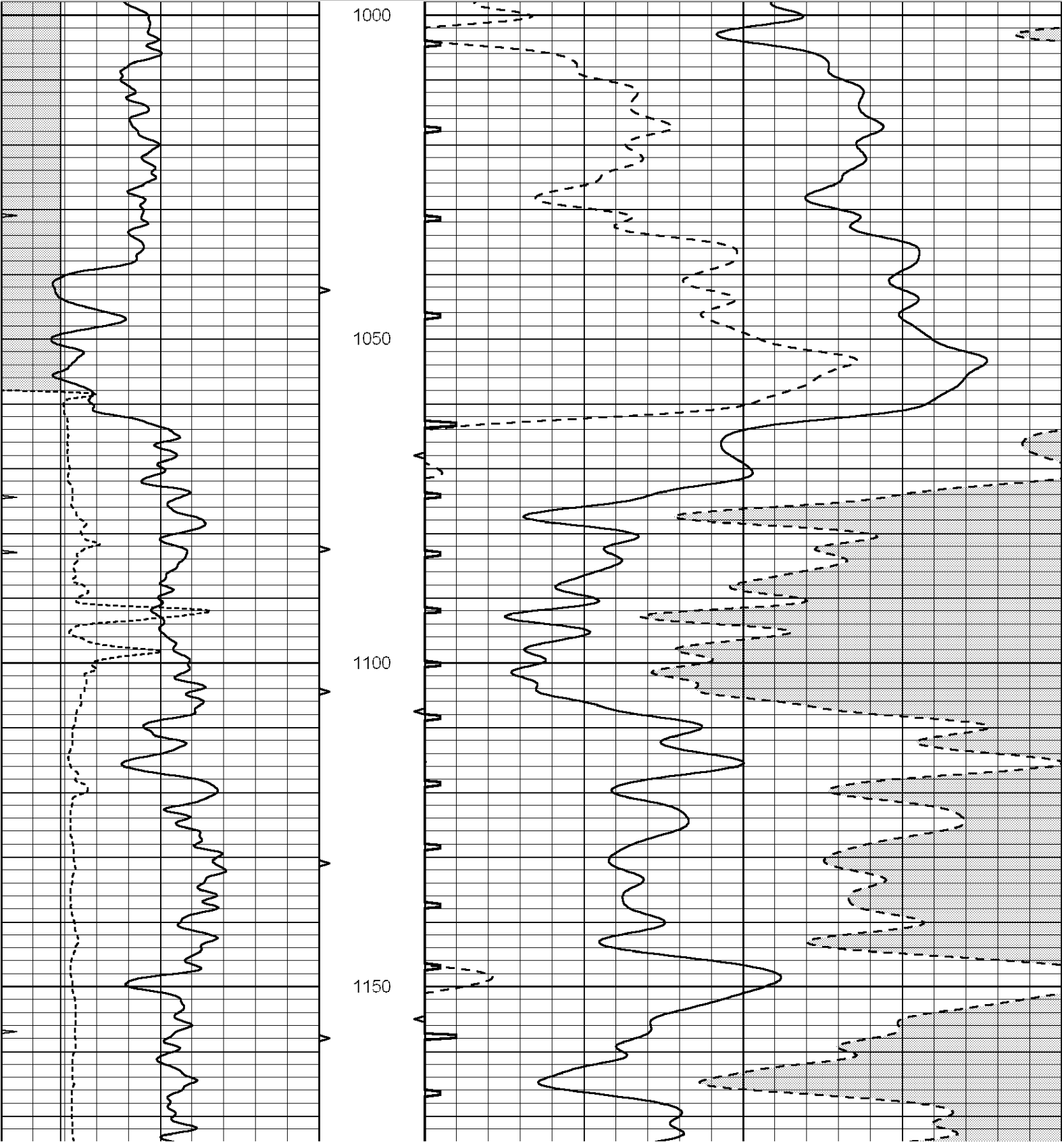


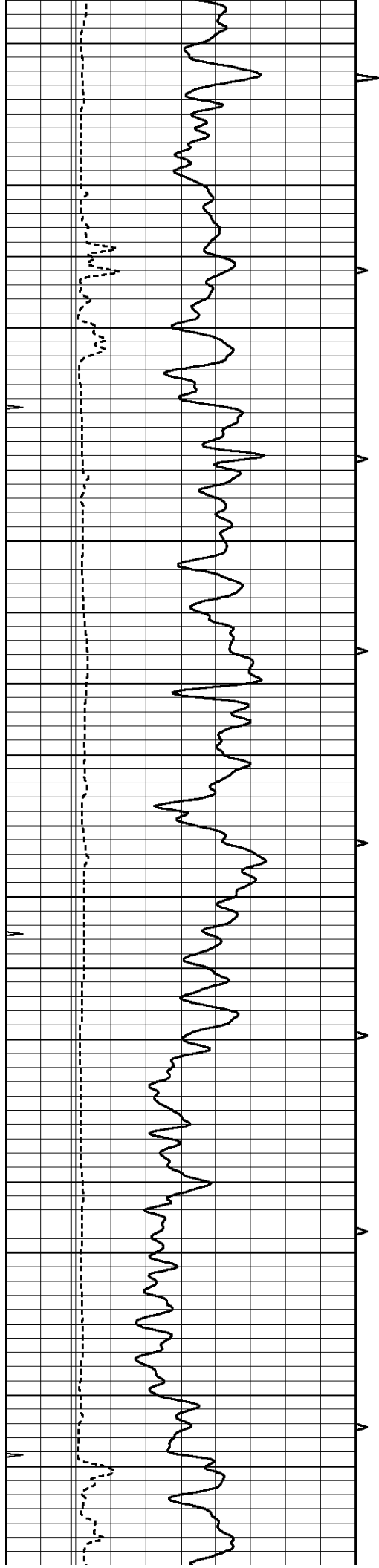
MAIN SECTION

Database File: 2658ddn.db
Dataset Pathname: pass6.5
Presentation Format: slt
Dataset Creation: Thu Jul 05 11:37:13 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)		-10

0	MINMK	20	TBHV	0	ITT (msec)	20		
			0 (ft3)	10				



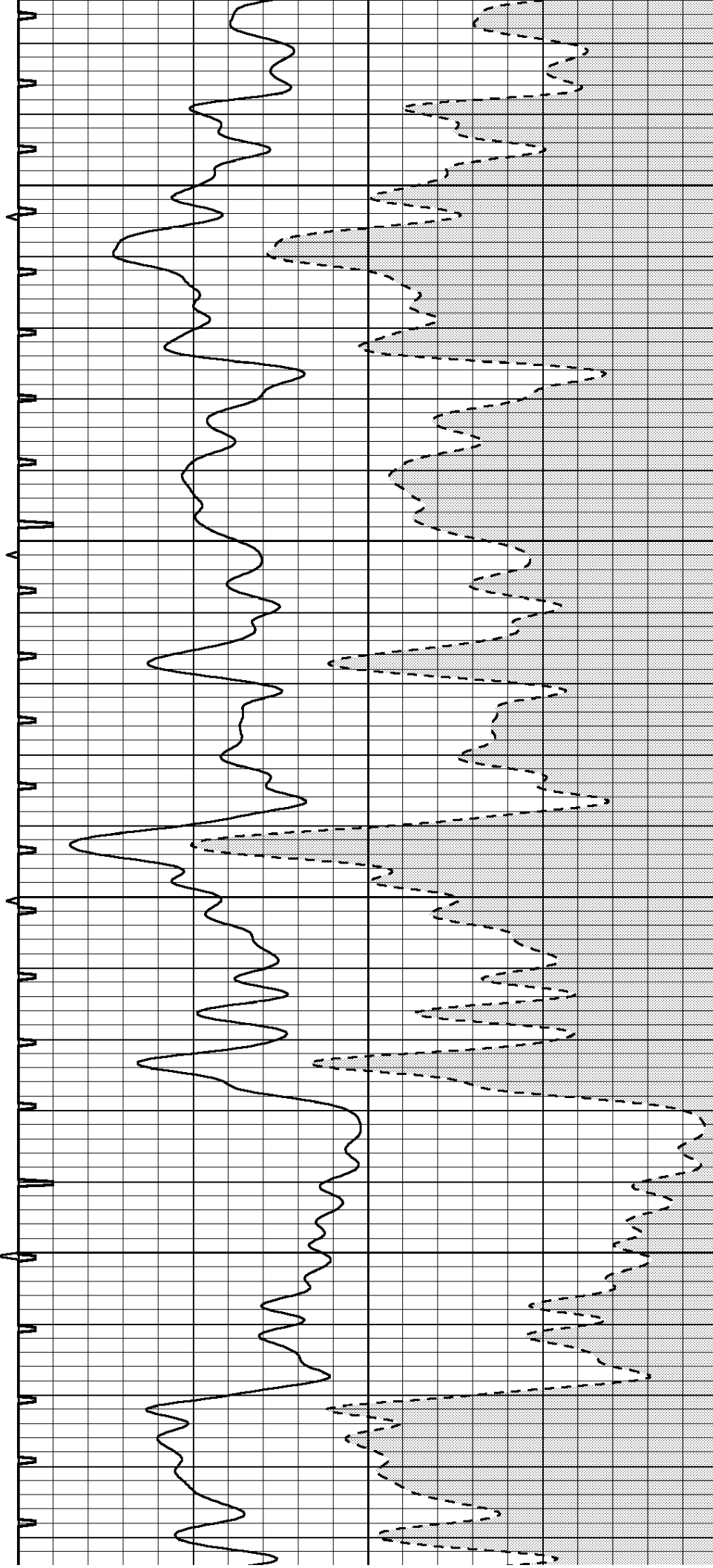


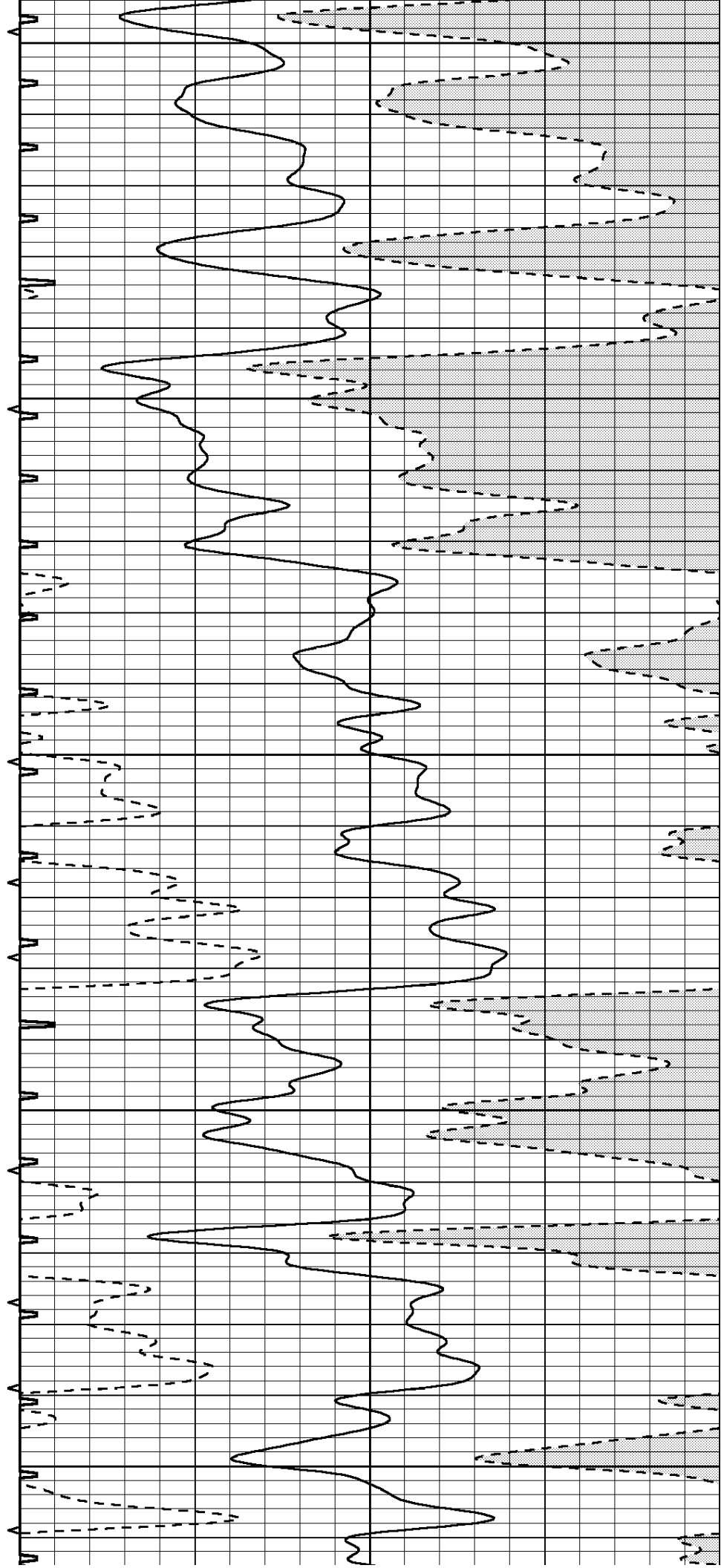
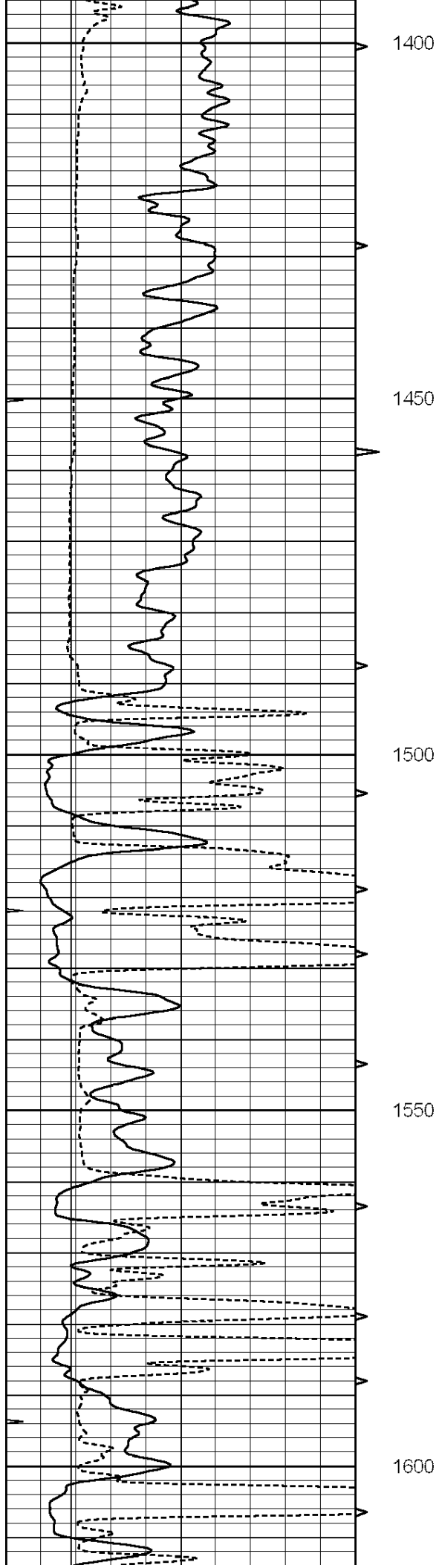
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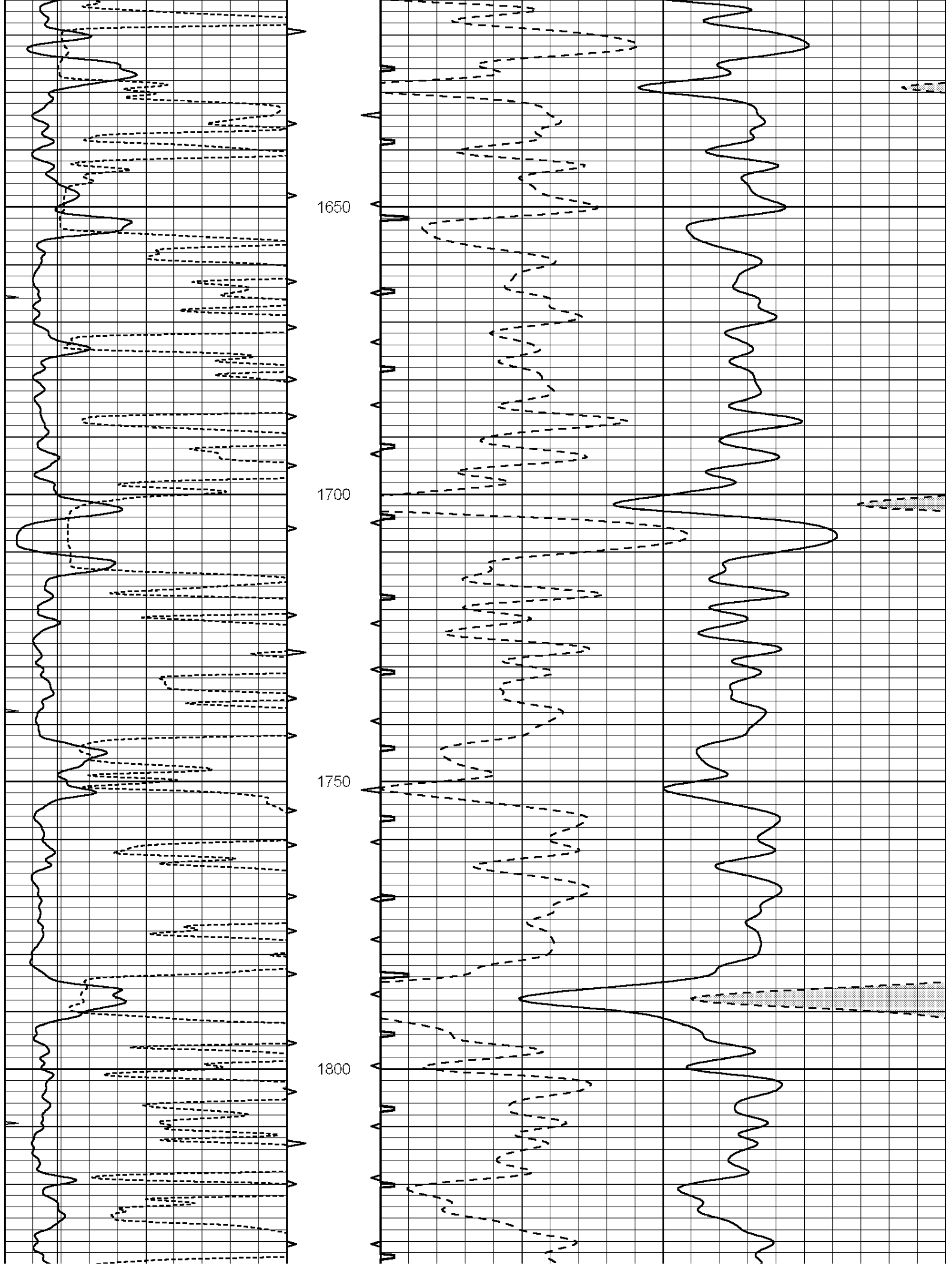
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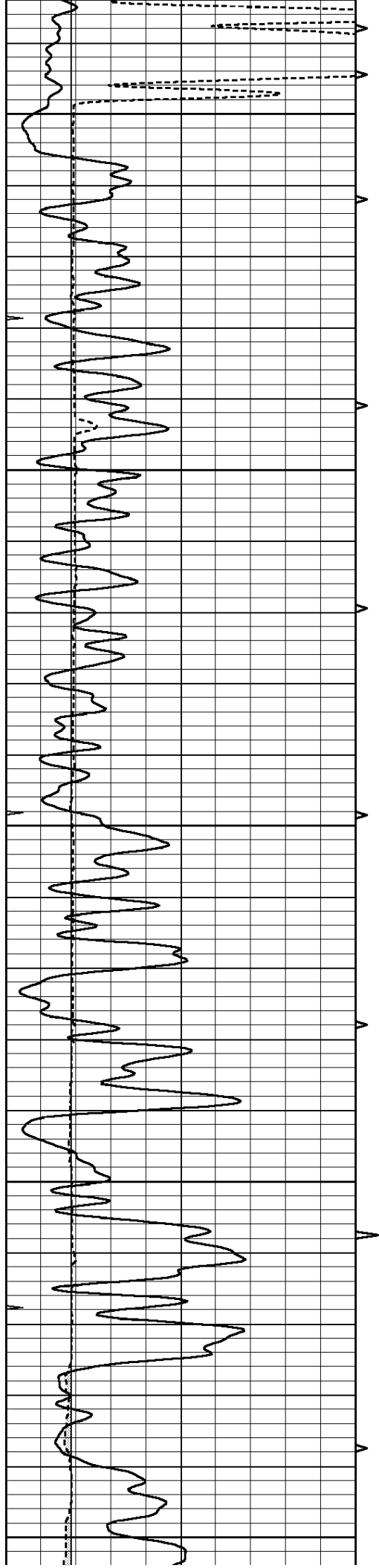
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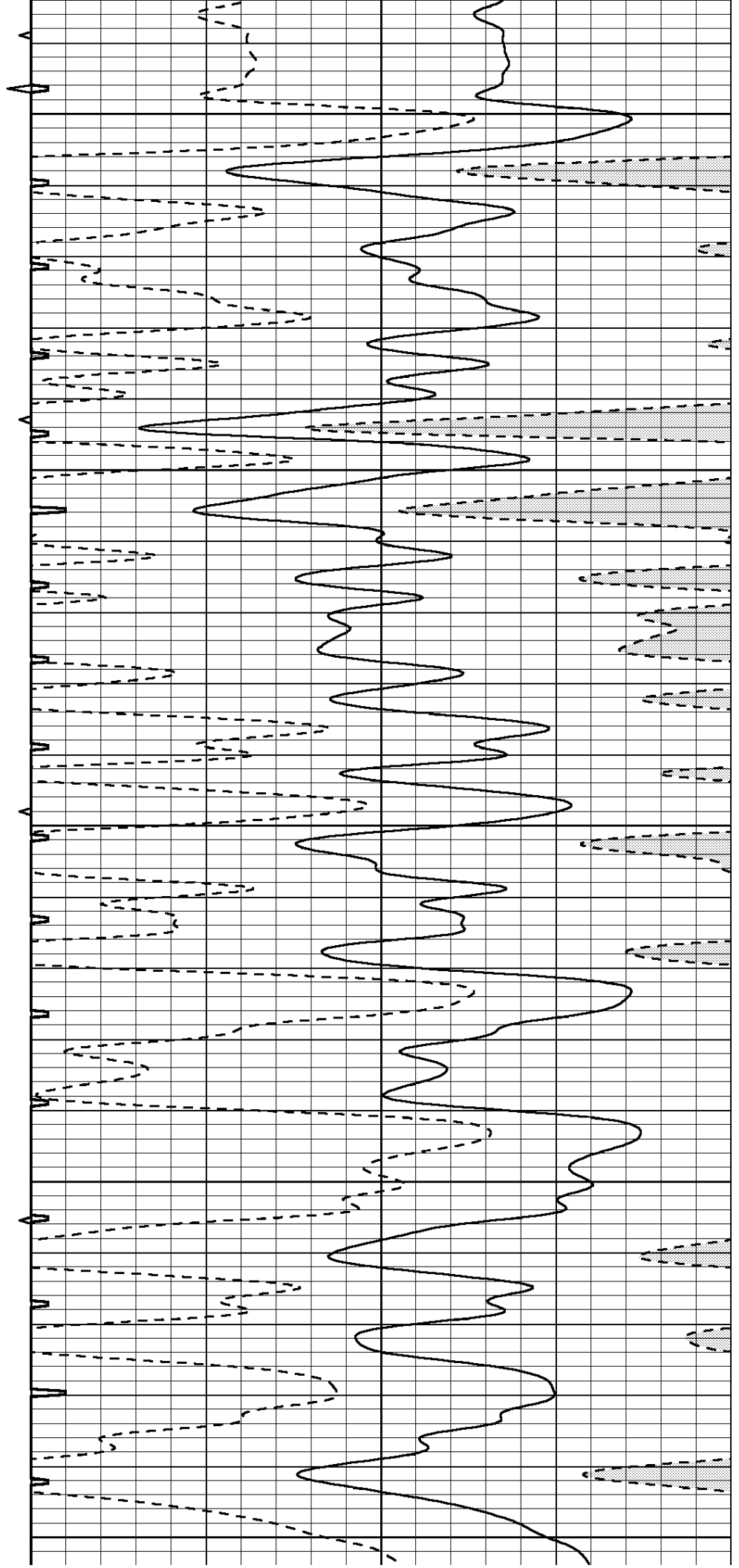
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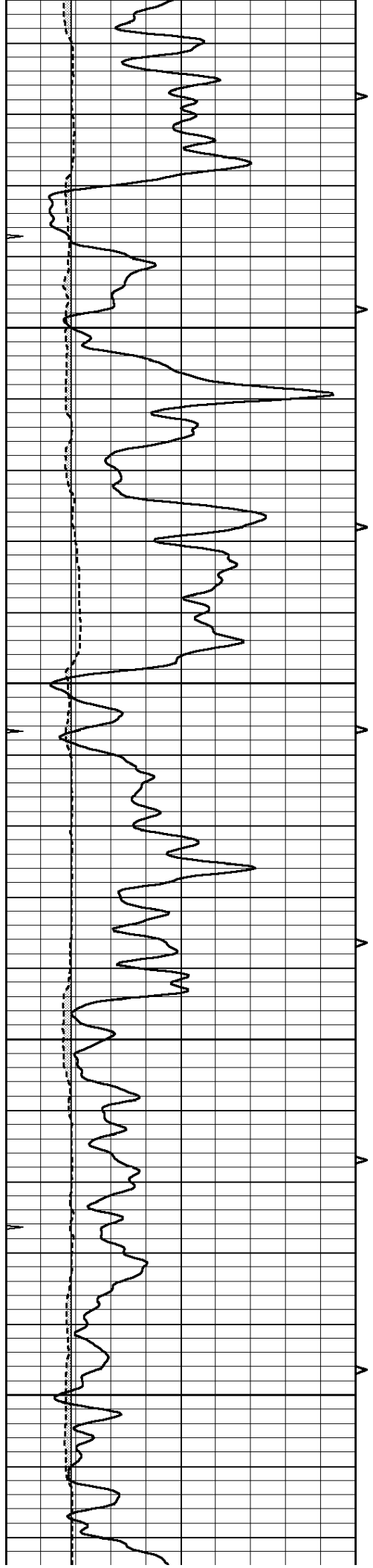
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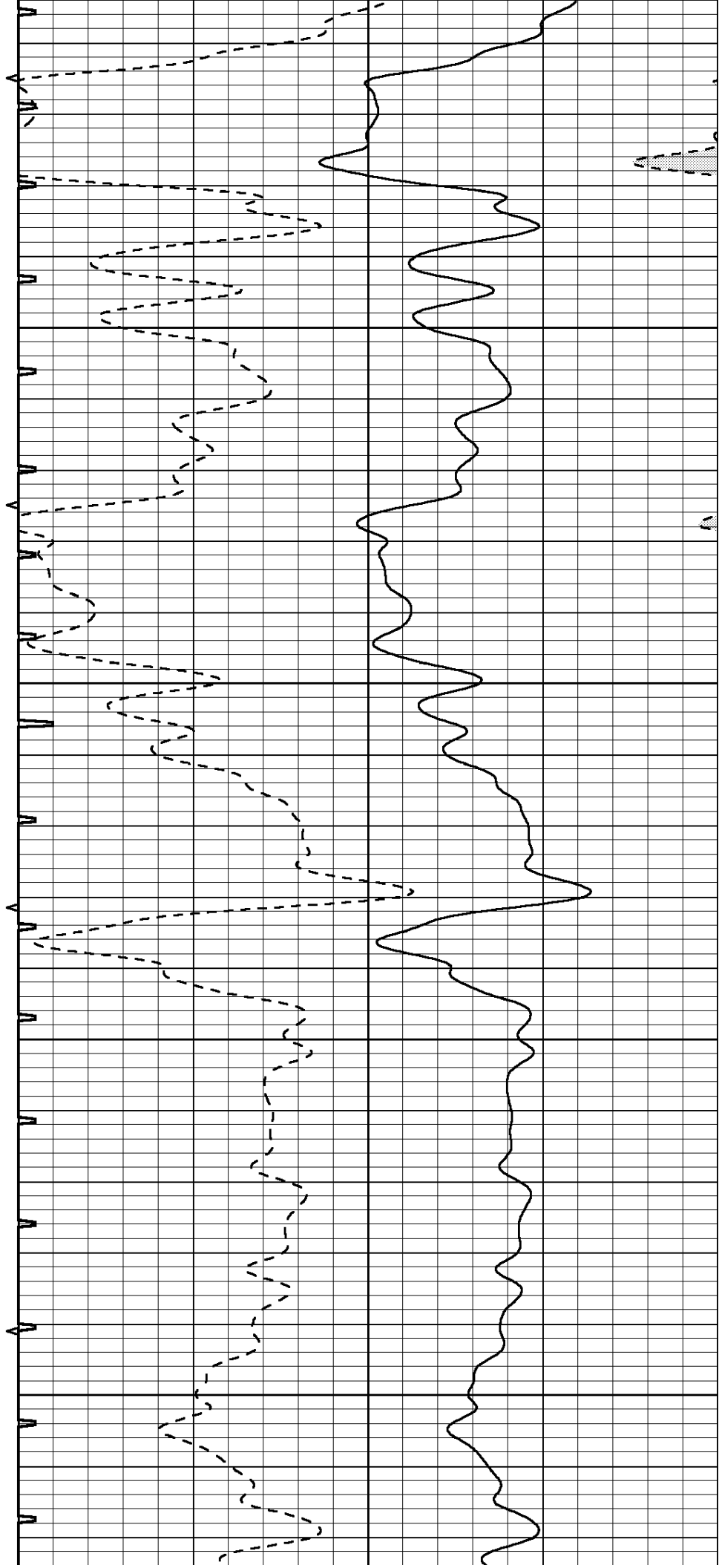


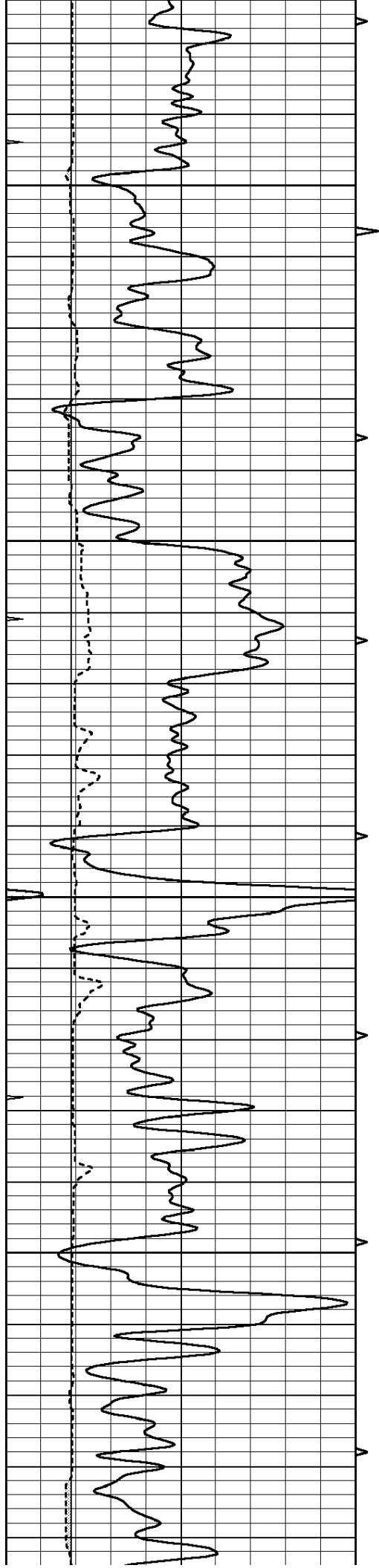
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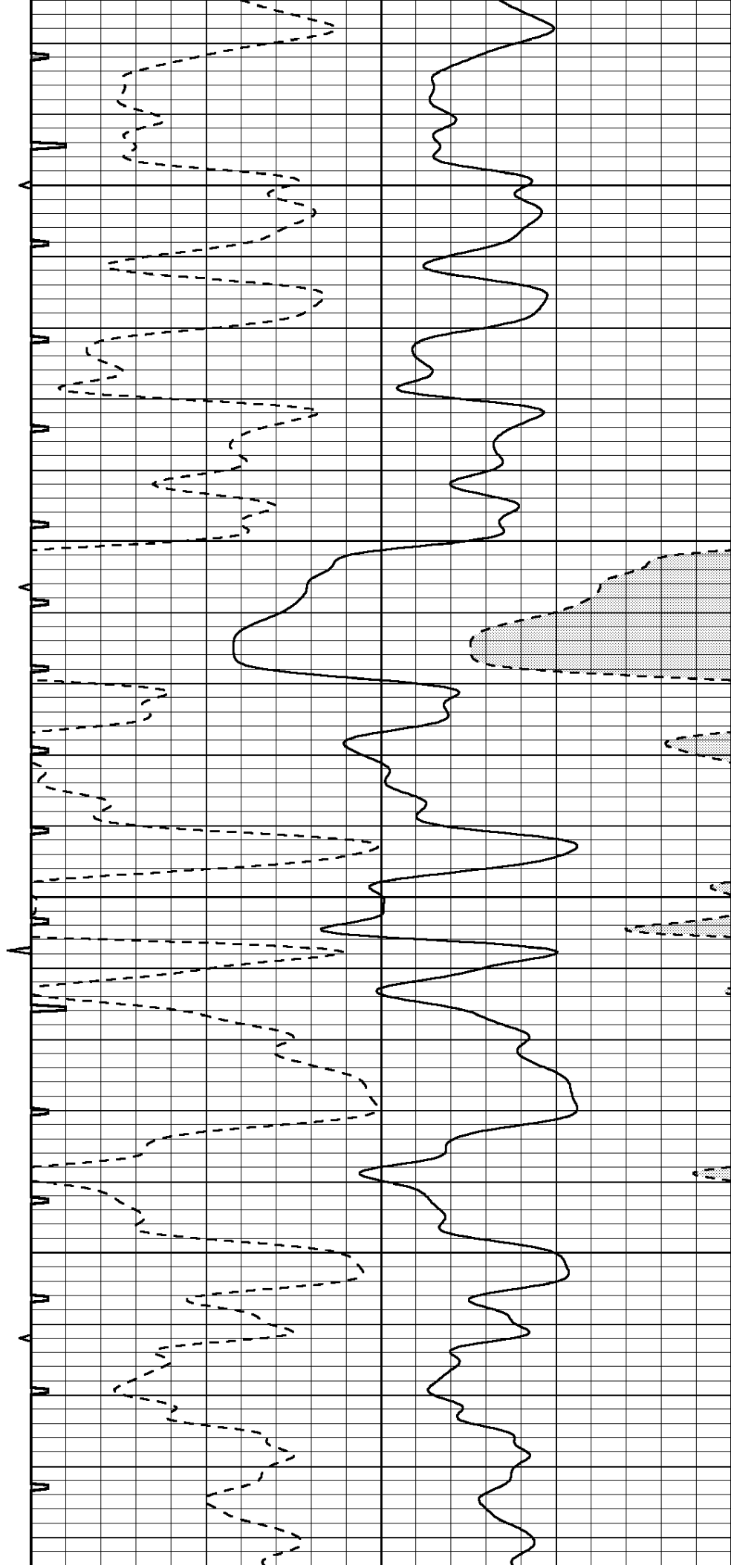


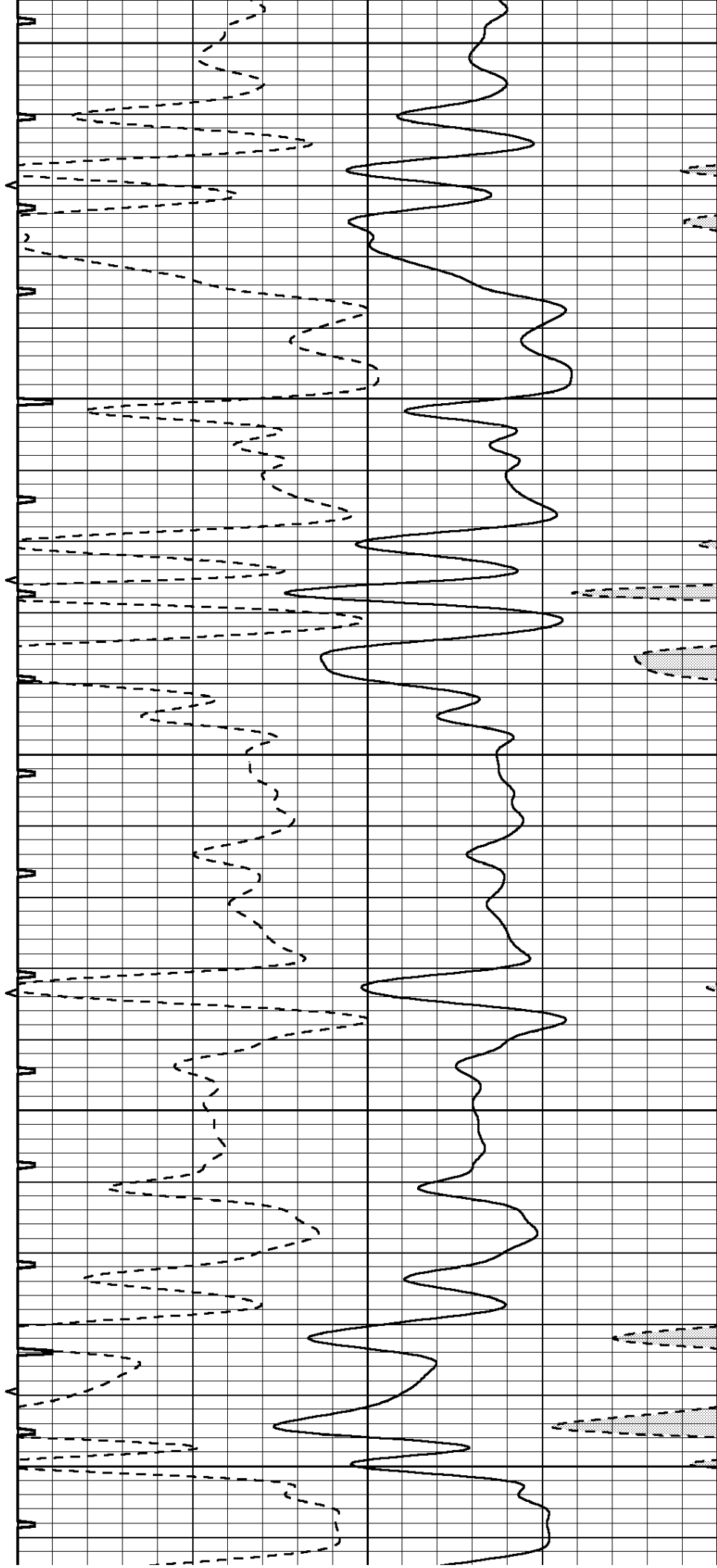
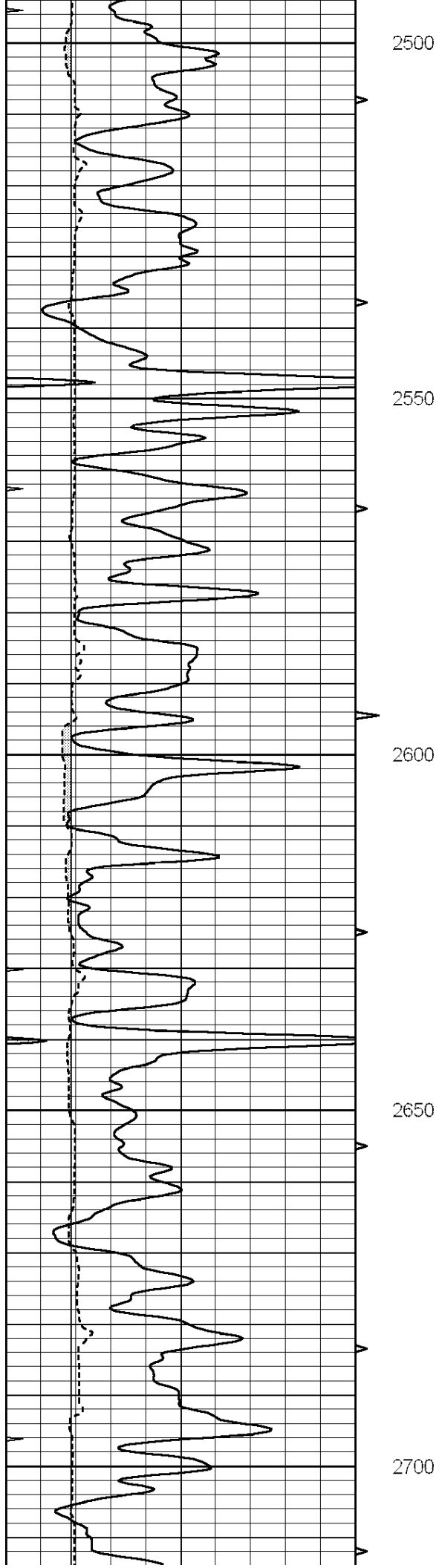
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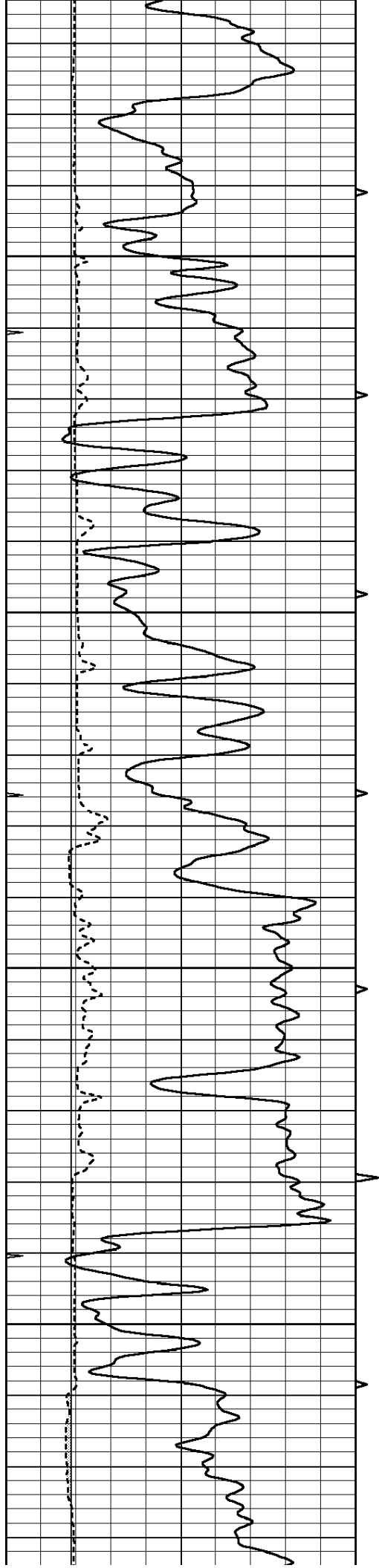
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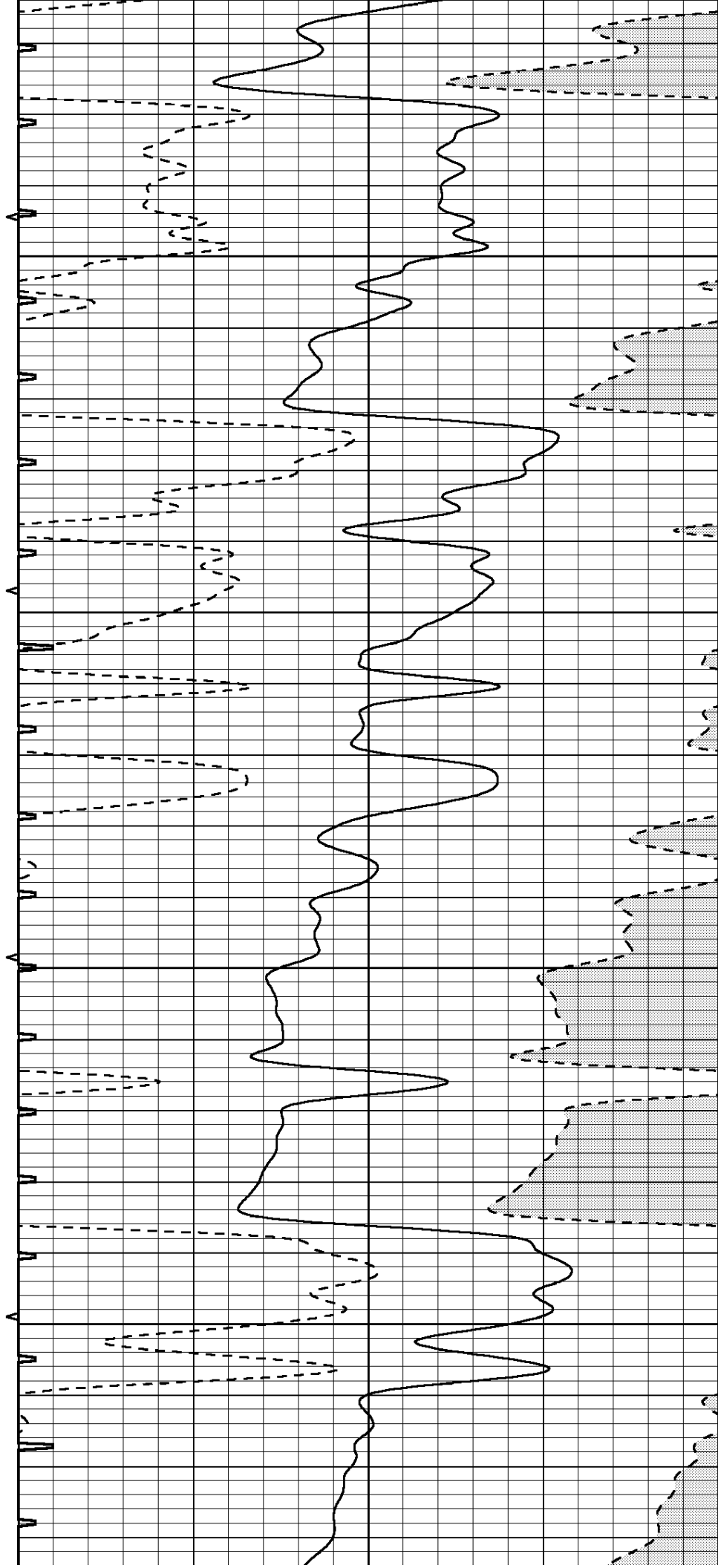


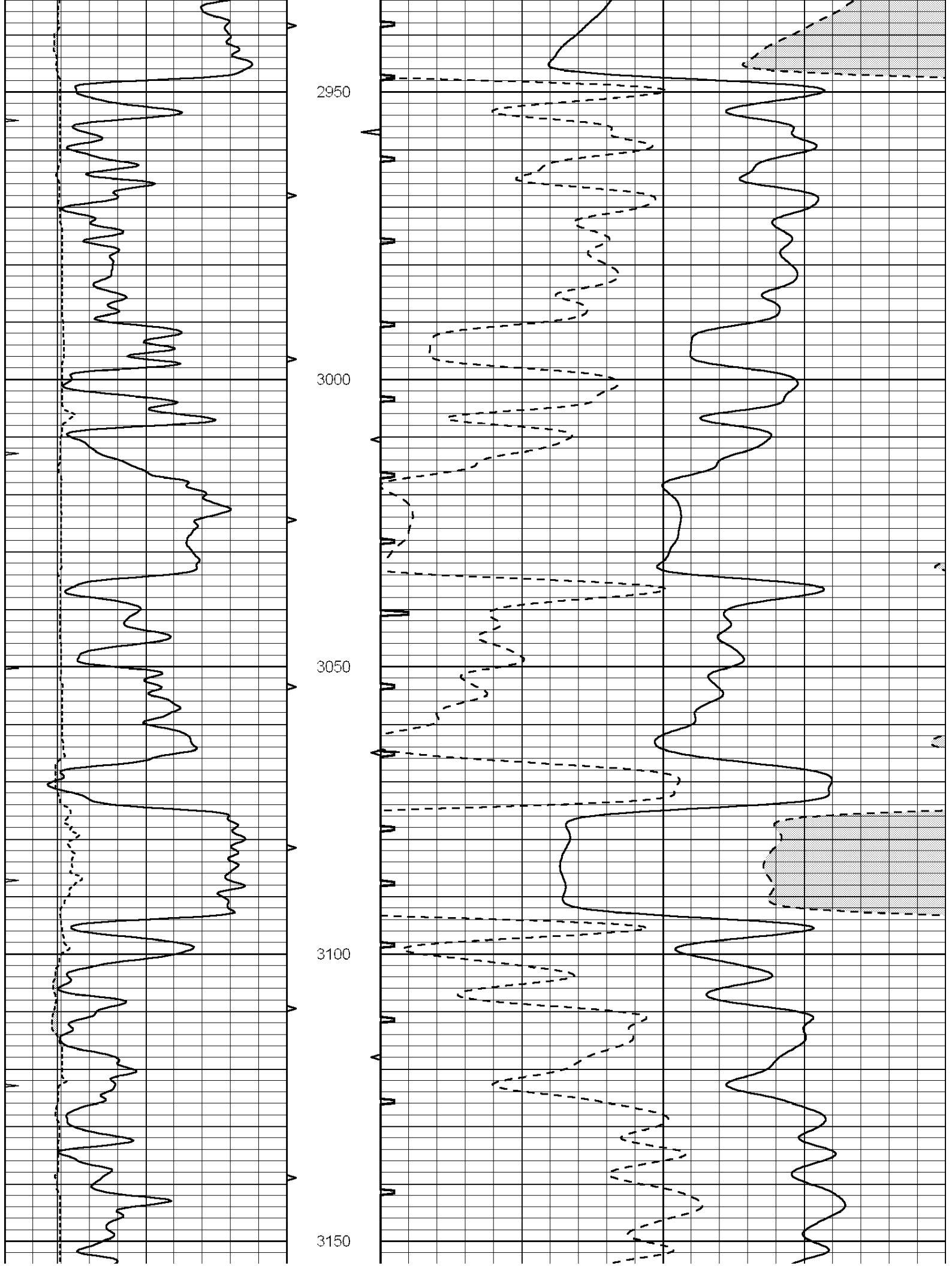
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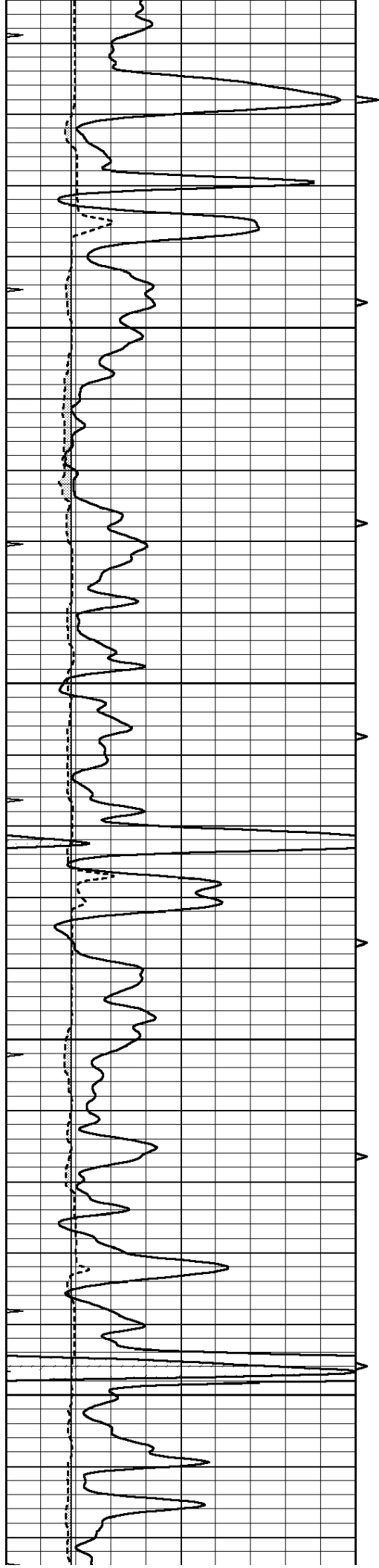
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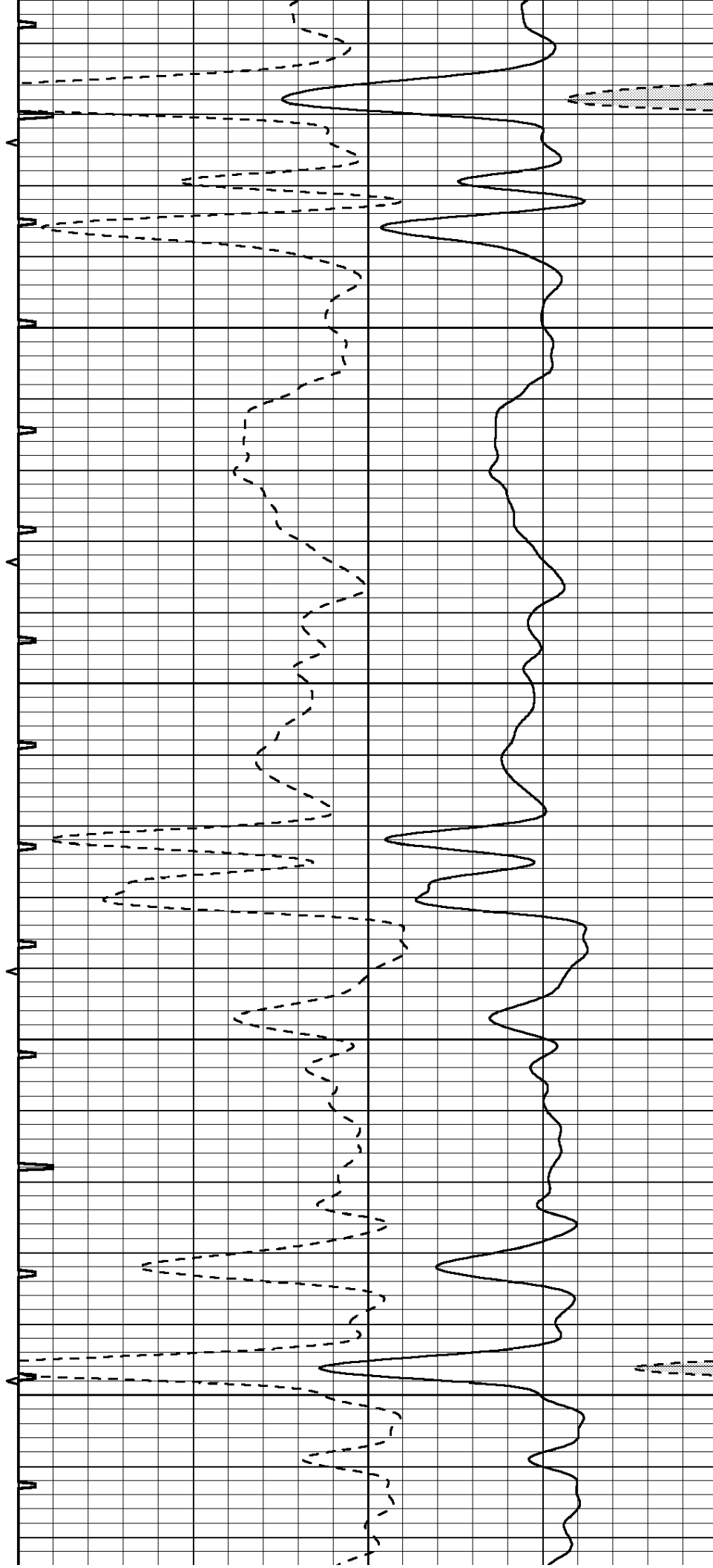


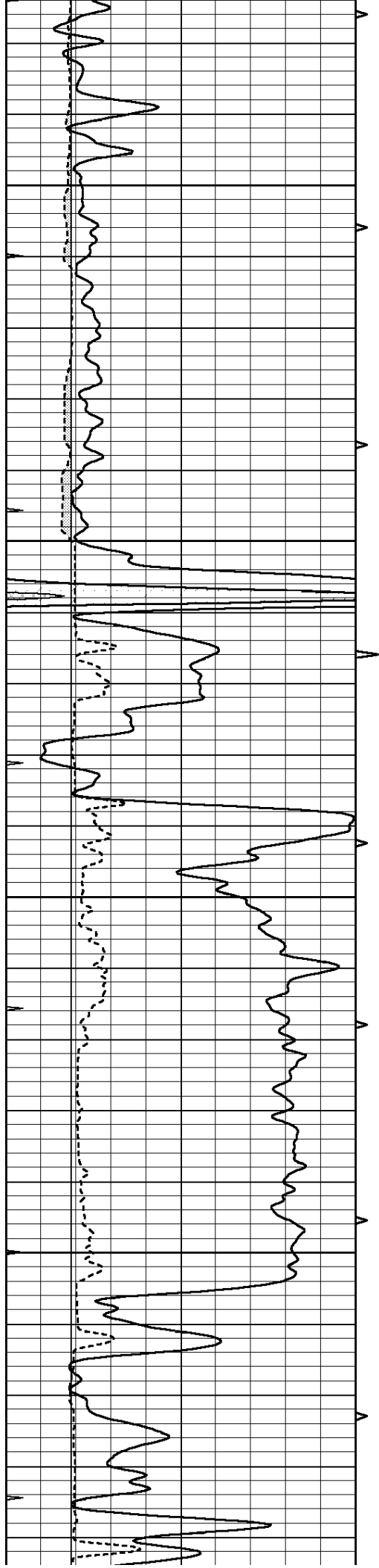
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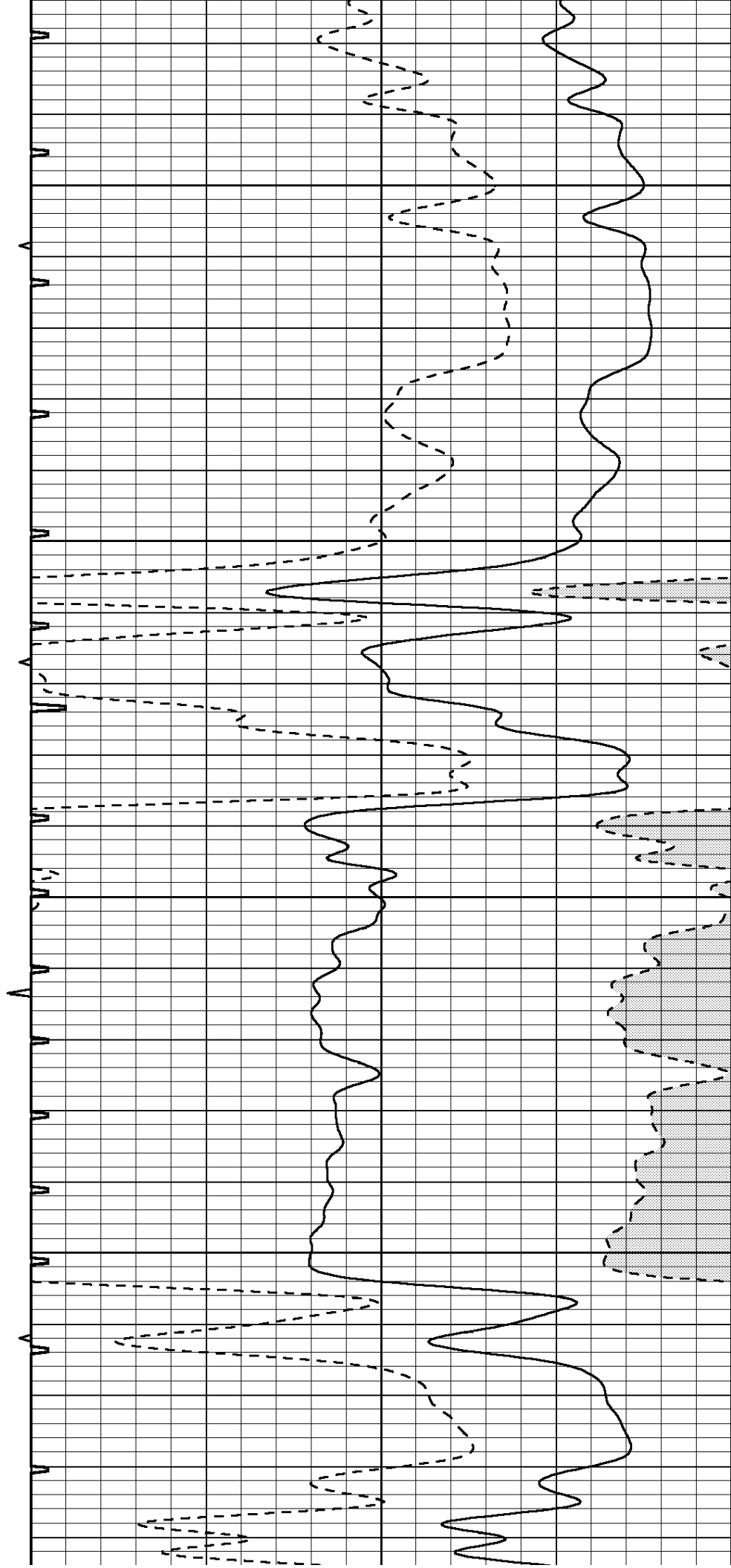


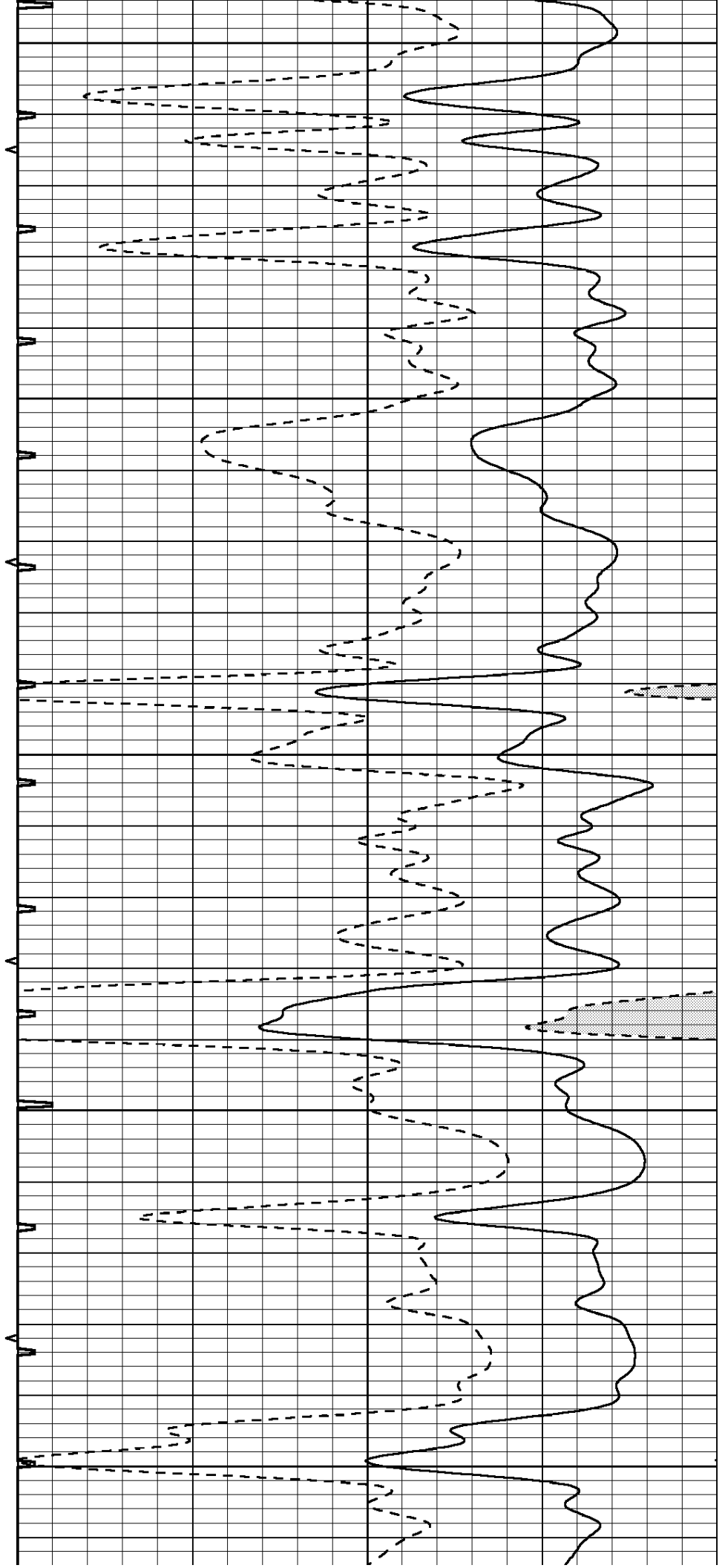
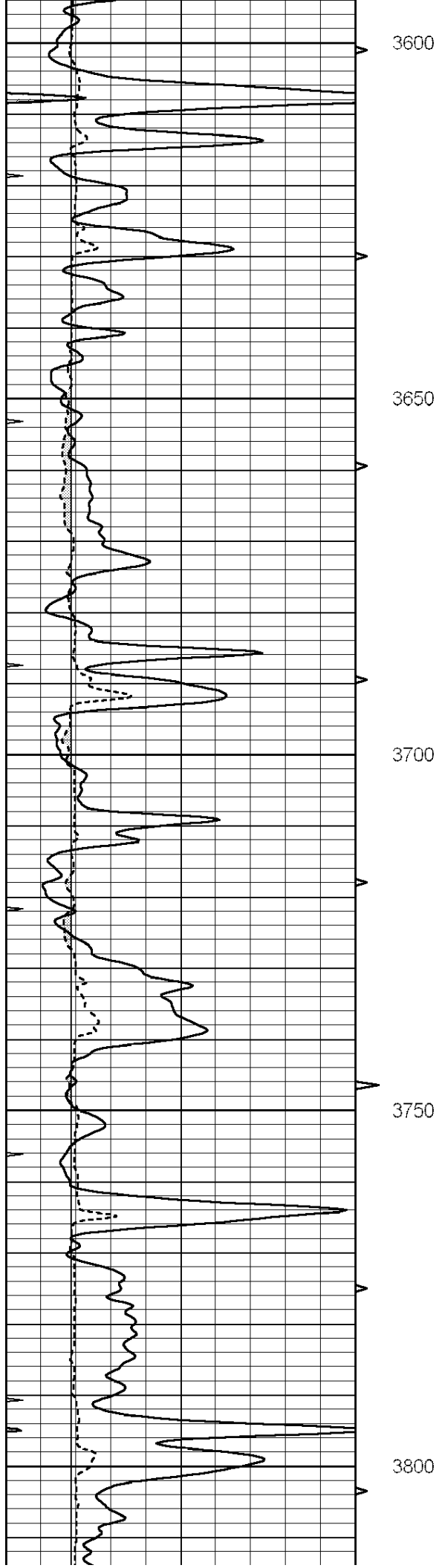
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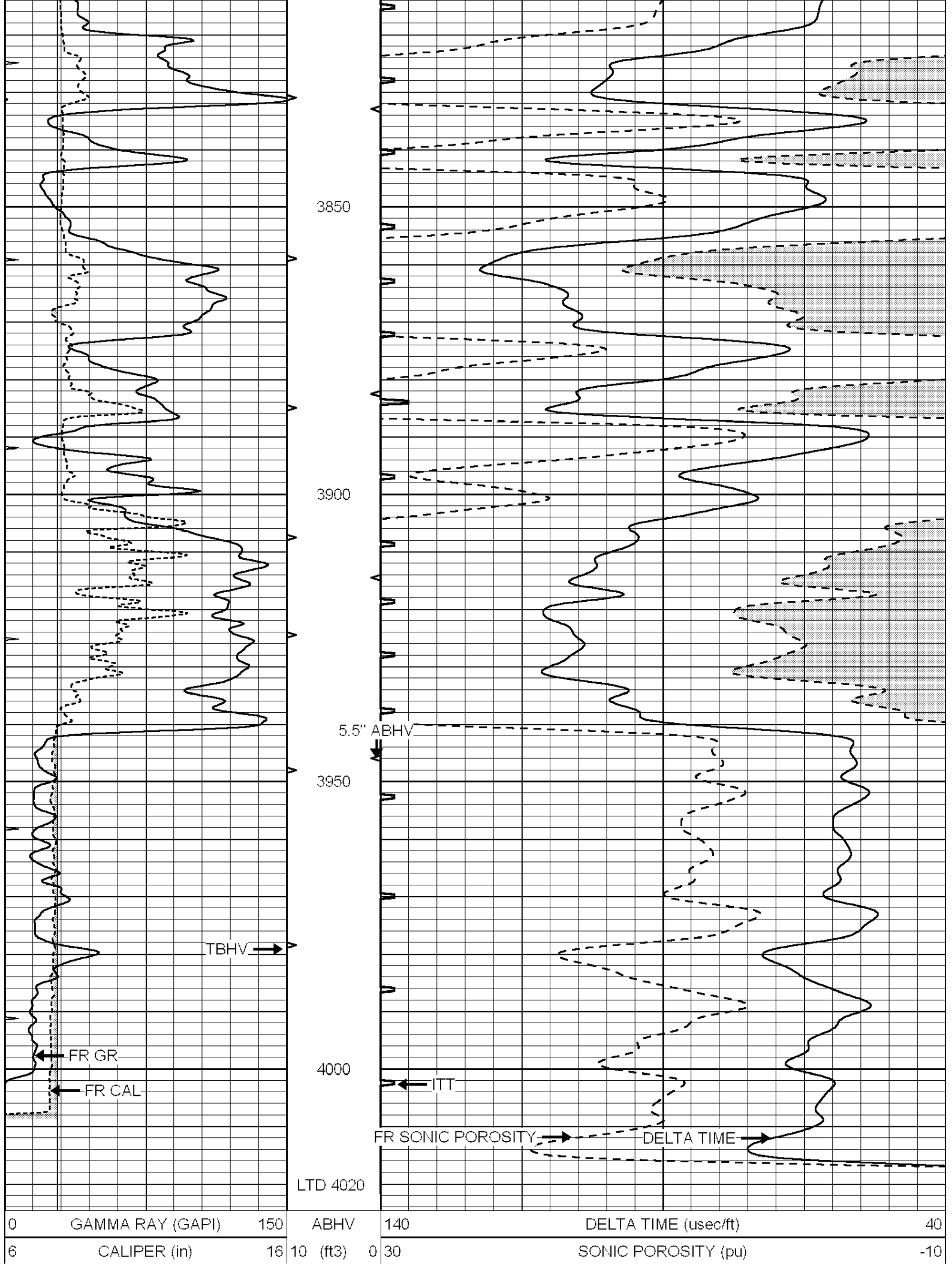
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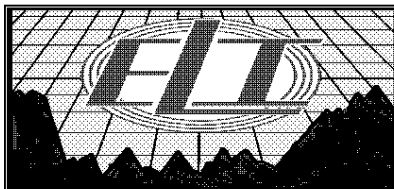
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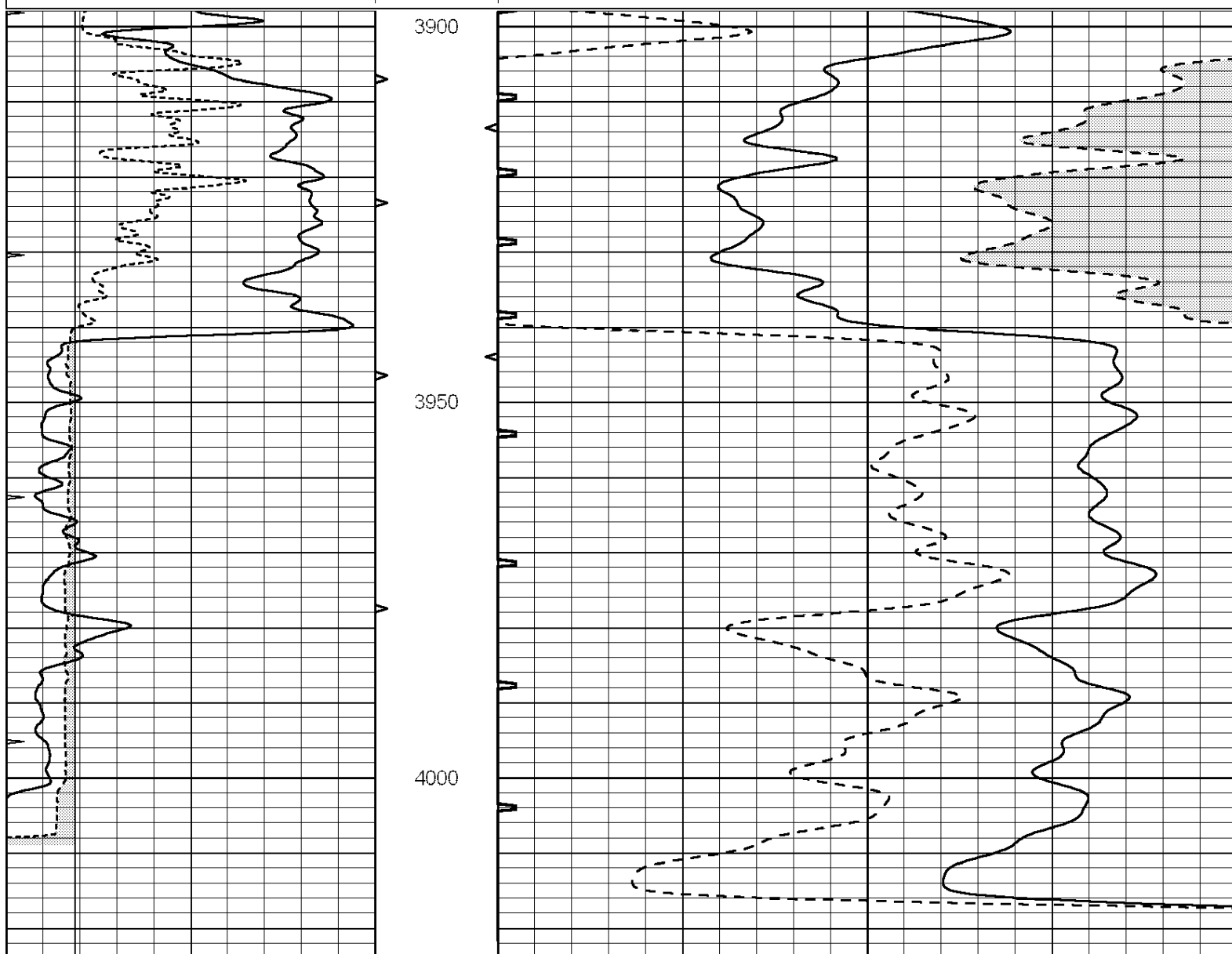
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			0 (ft3)	10		



REPEAT SECTION

Database File: 2658ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: slt
 Dataset Creation: Thu Jul 05 10:45:52 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)	-10
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0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			



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6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20	
			0 (ft3)	10			

[illegible]