



SONIC LOG

Company	RANEY OIL COMPANY, LLC.		
Well	PRAY #4		
Field	CABIN VALLEY		
County	COWLEY	State	KANSAS
Location:	API # : 15-035-24702-0000		Other Services CDL/CNL/PE DIL/MEL
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	351' FSL & 2458' FVL SE - SE - SW/4		1259
Drilling Measured From	SEC 31 TWP 33S RGE 6E KELLY BUSHING 13' A.G.L.		K.B. 1272 D.F. 1270 G.L. 1259
Date	4/16/19		
Run Number	TWO		
Depth Driller	3556		
Depth Logger	3558		
Bottom Logged Interval	3550		
Top Log Interval	300		
Casing Driller	8 5/8"@307'		
Casing Logger	312		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,600 PPM	
Density / Viscosity	9.3/49		
pH / Fluid Loss	11.0/7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.10@80F		
Rmf @ Meas. Temp	.825@80F		
Rmc @ Meas. Temp	1.32@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.786@112F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	3:15 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER MARTIN		

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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

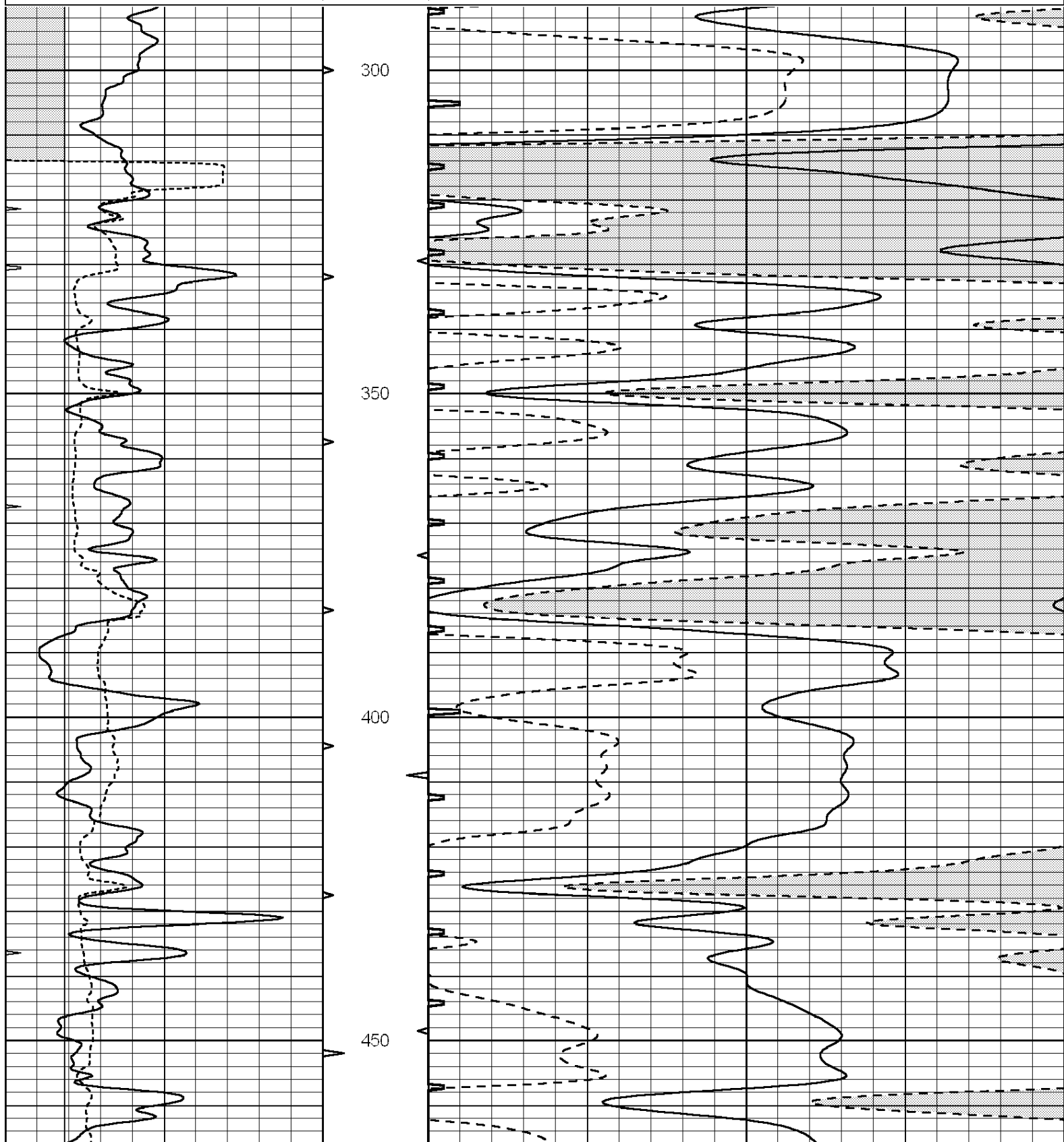
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WINFIELD, KS., E. ON HWY 160 TO "COWLEY CR #1", 5S. TO "RD. 212", 3E. TO " 181ST.", 3S. FOLLOW
CURVES E. & S. TO GATE

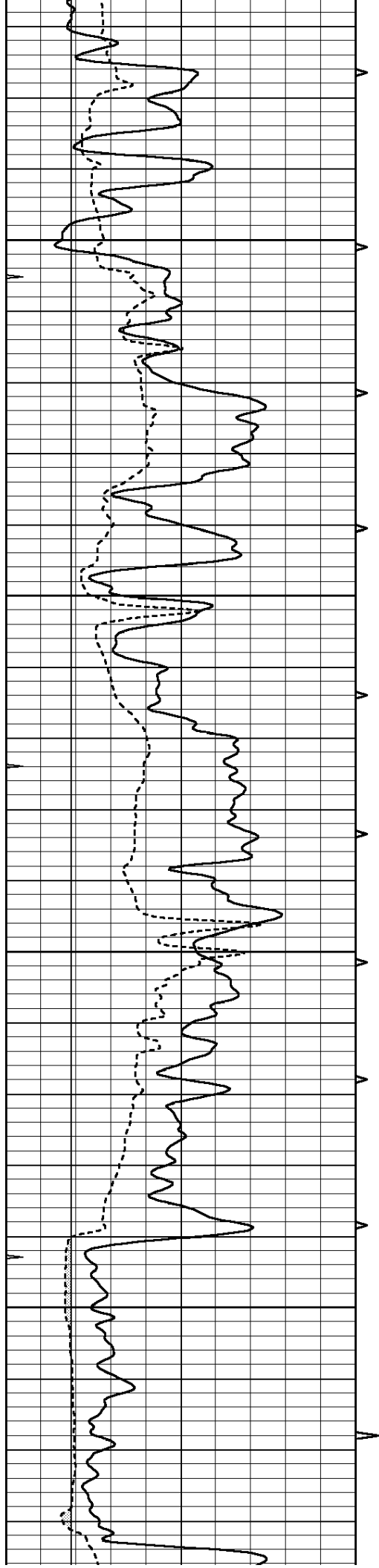


MAIN SECTION

Database File: 3612pe.db
Dataset Pathname: pass6.3
Presentation Format: slt
Dataset Creation: Wed Apr 17 04:02:37 2019 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				



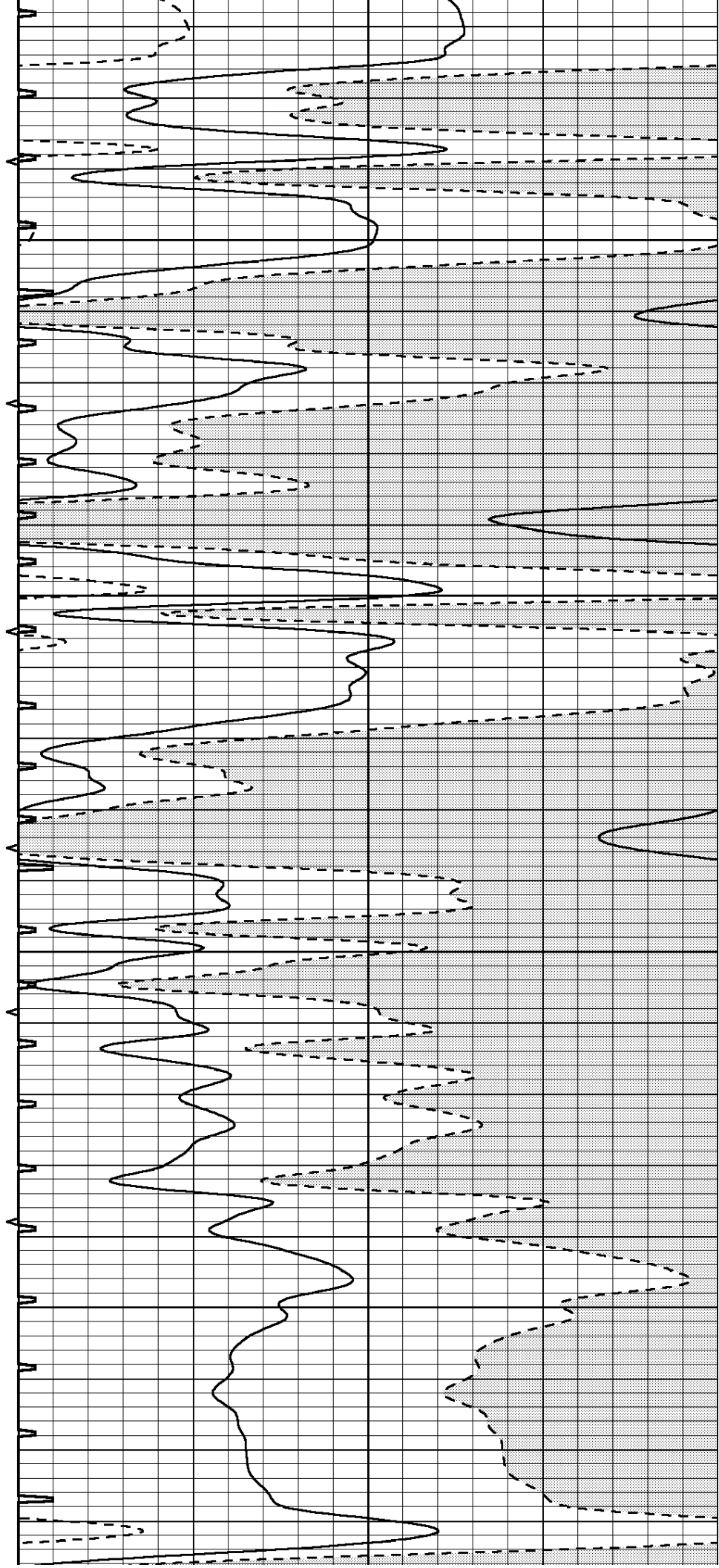


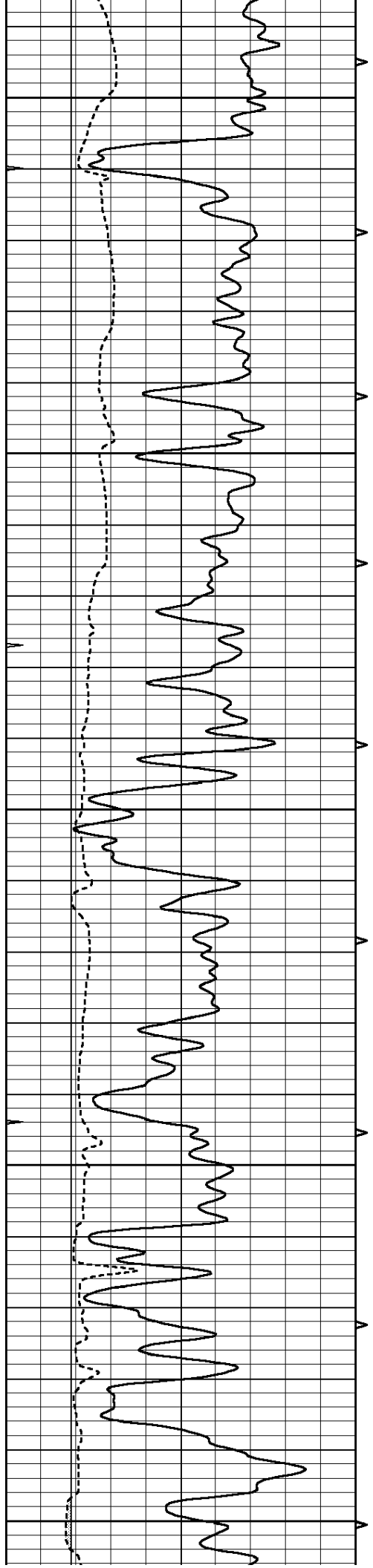
500

550

600

650





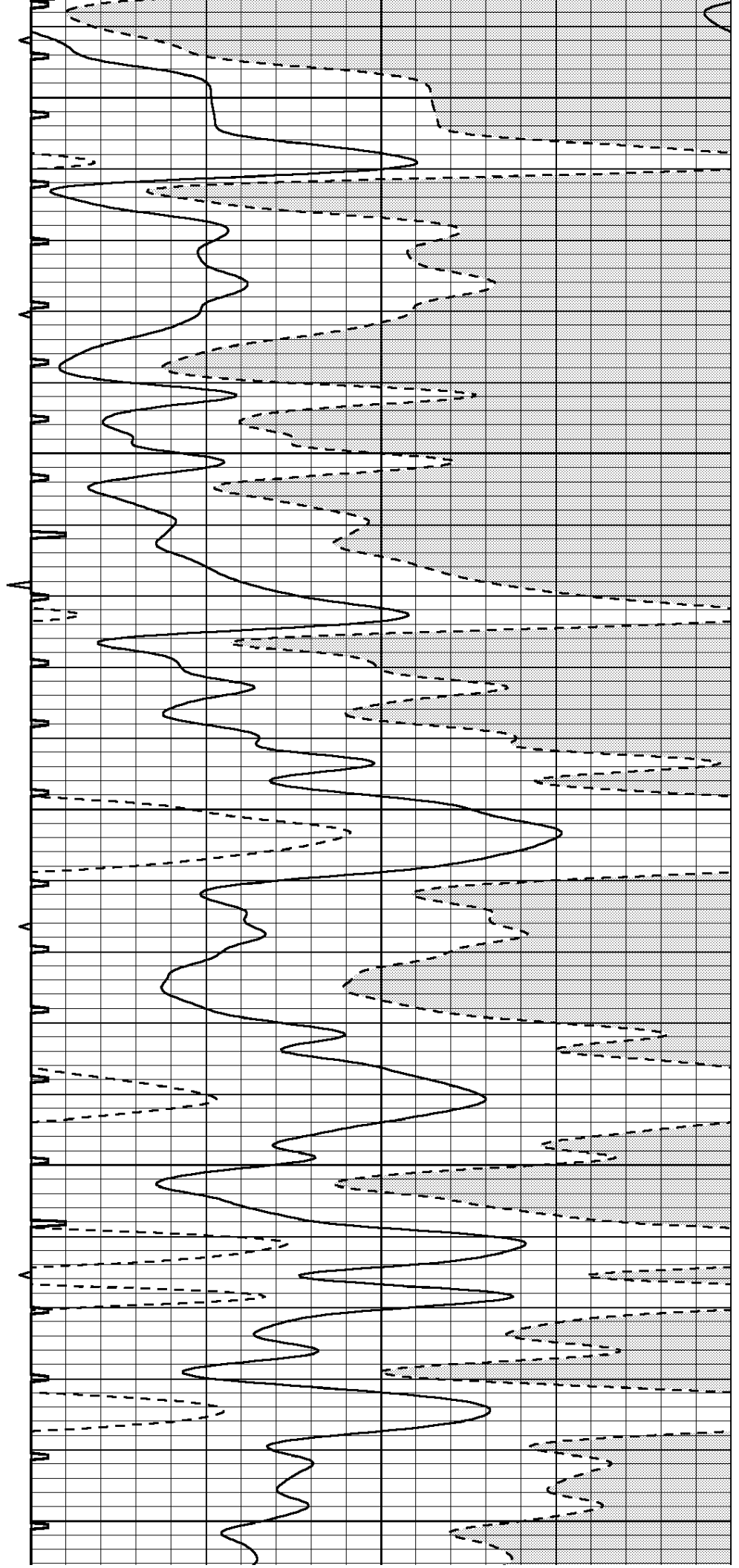
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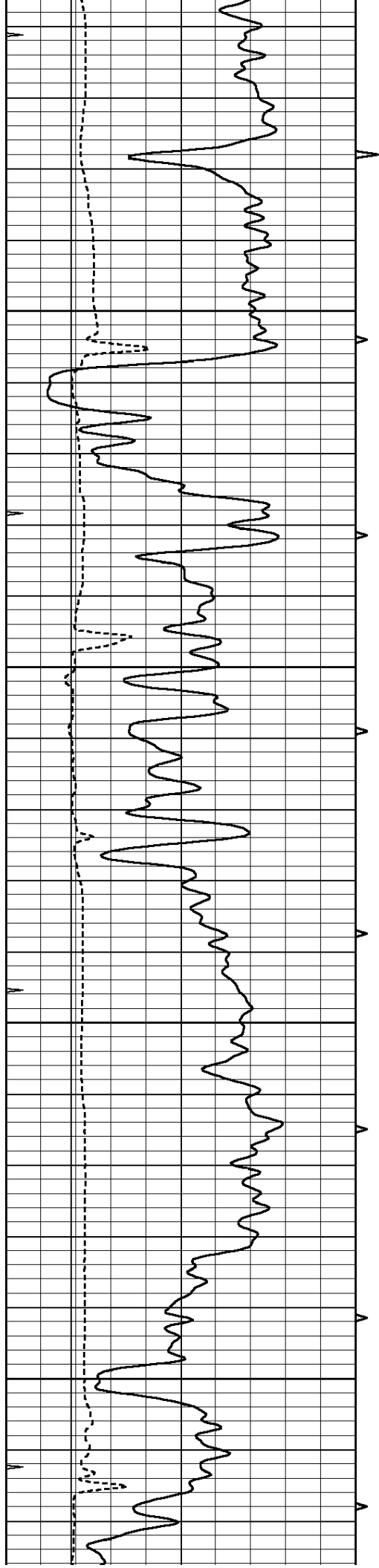
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800

850

900



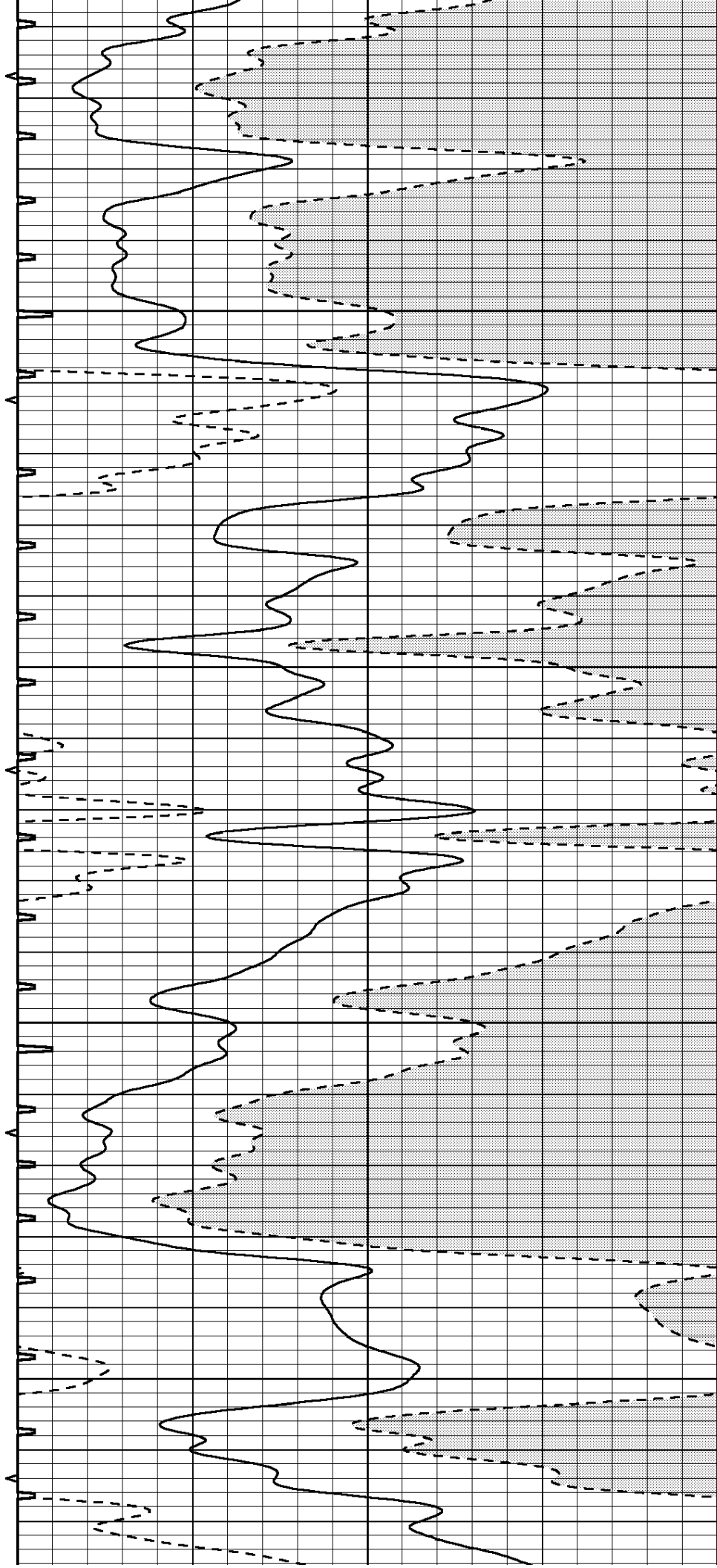


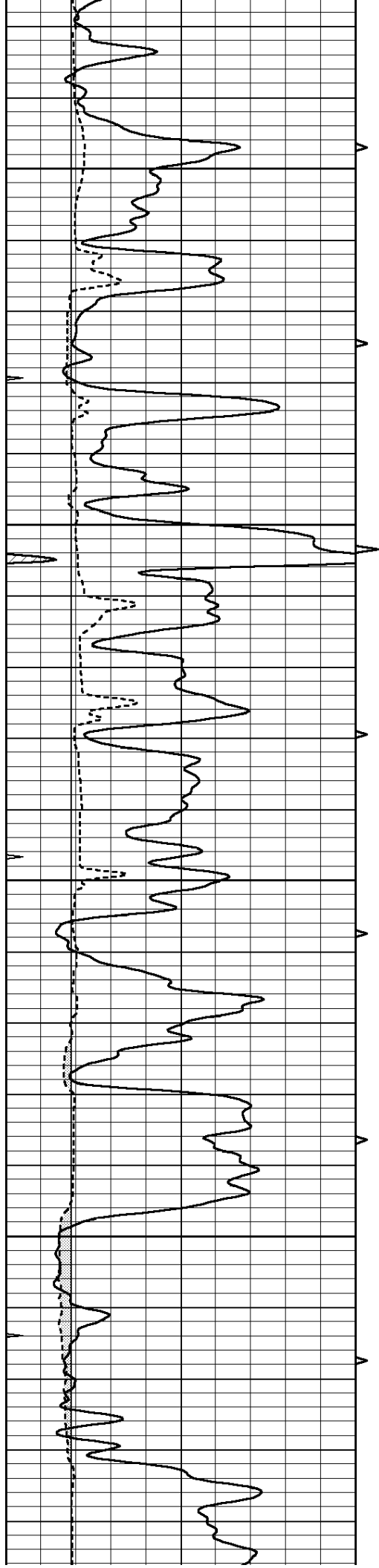
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1000

1050

1100



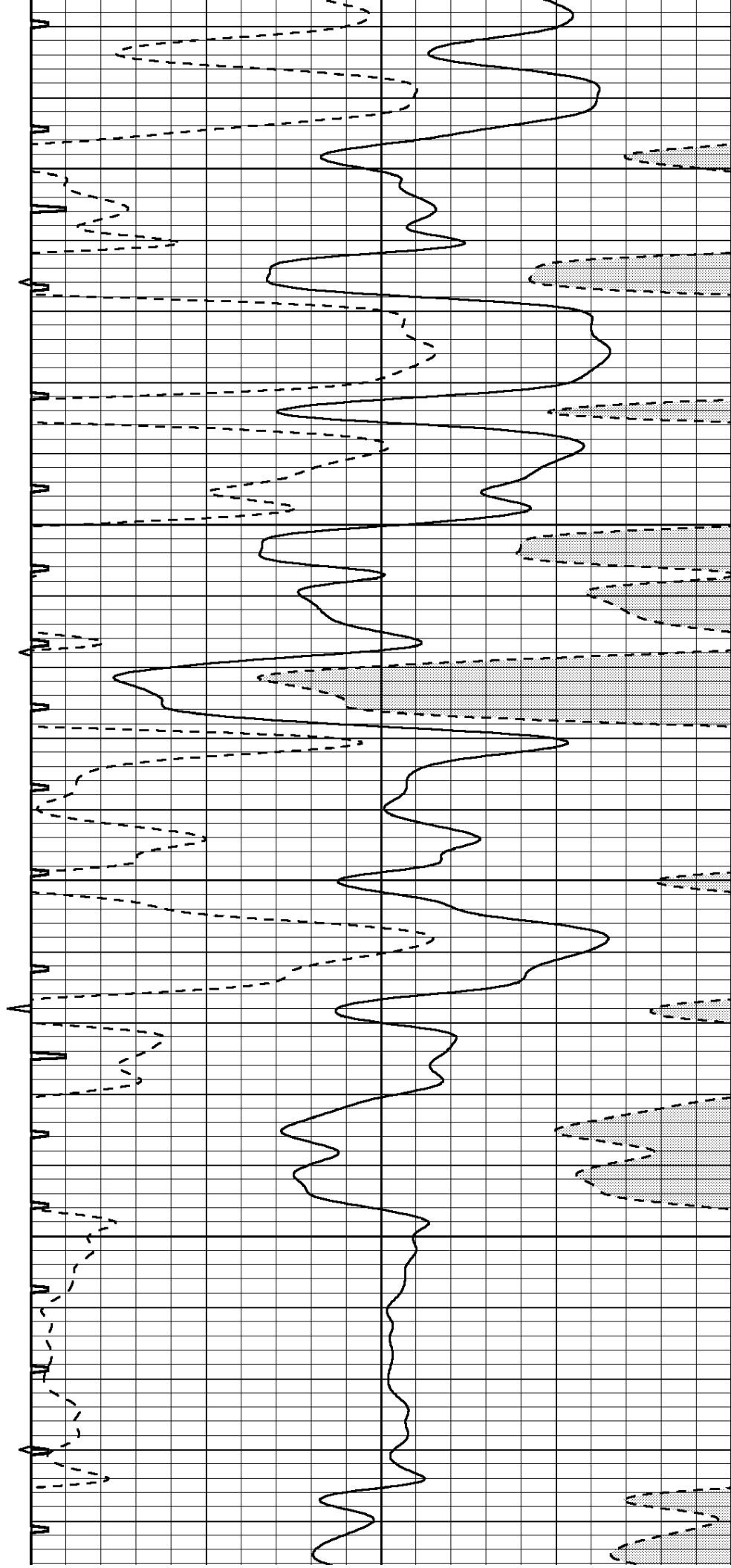


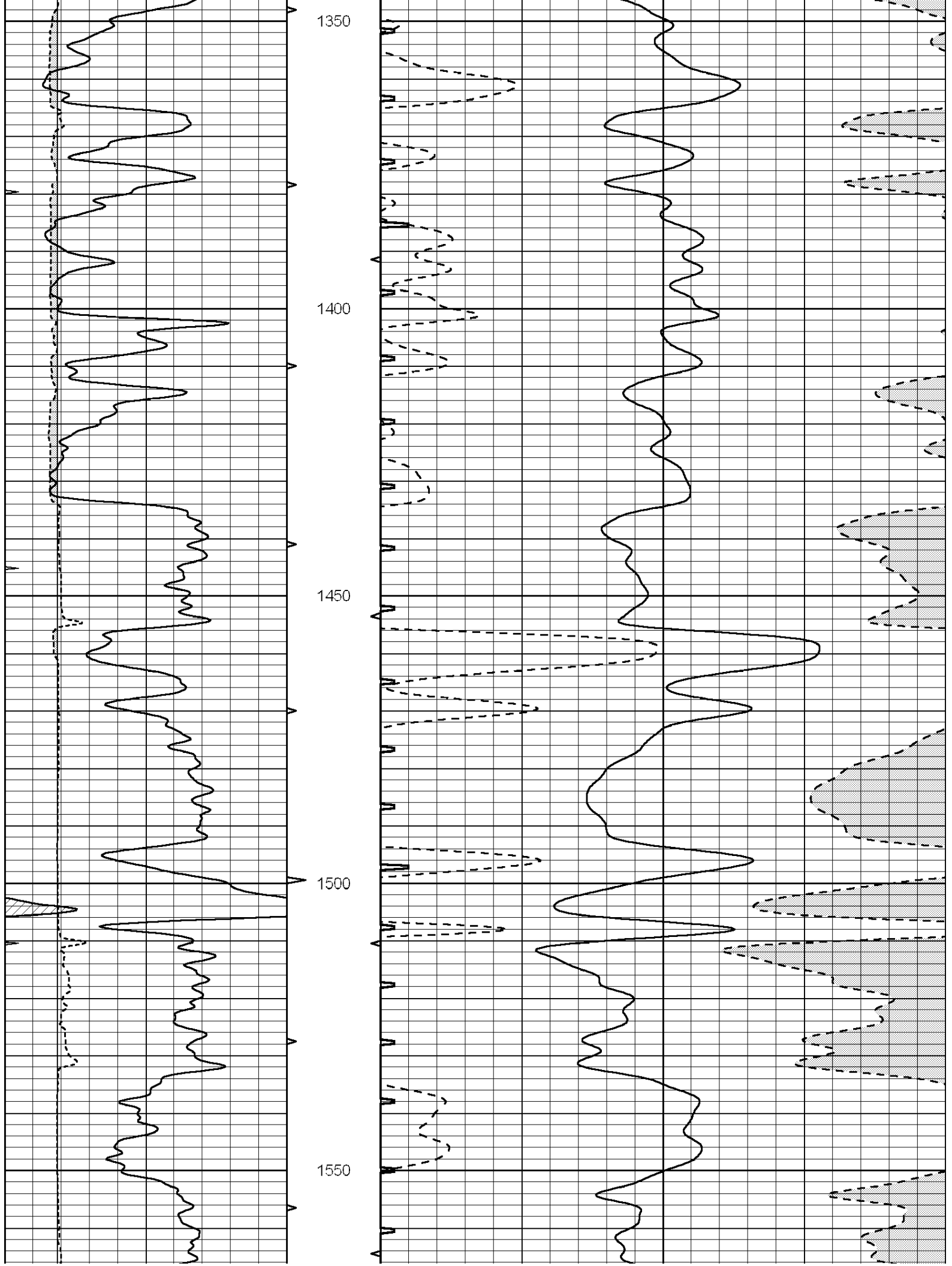
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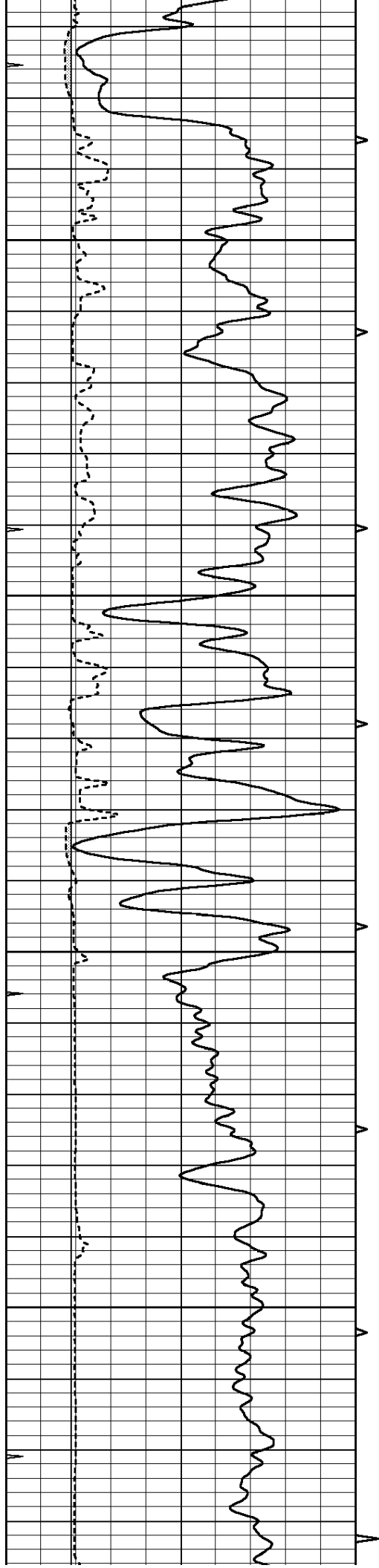
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1250

1300





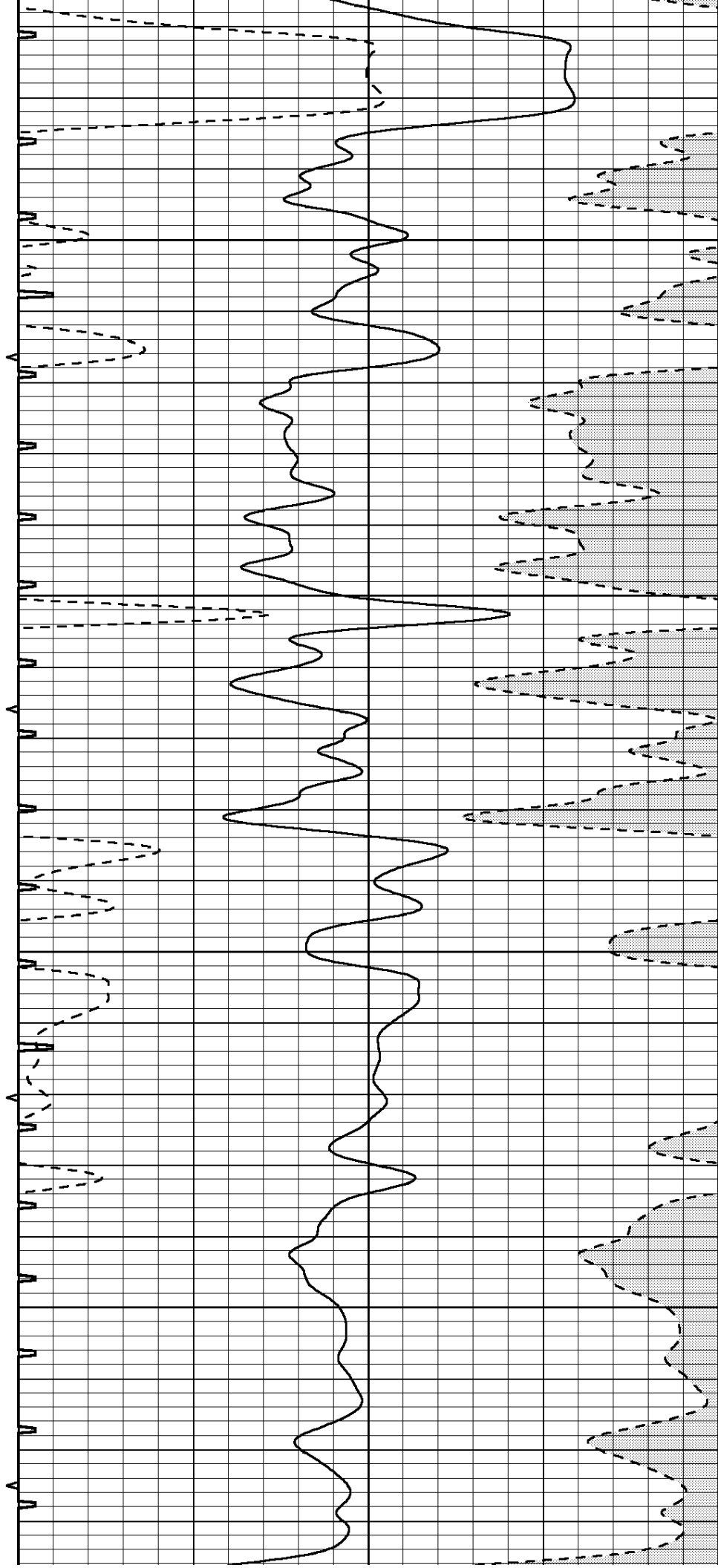


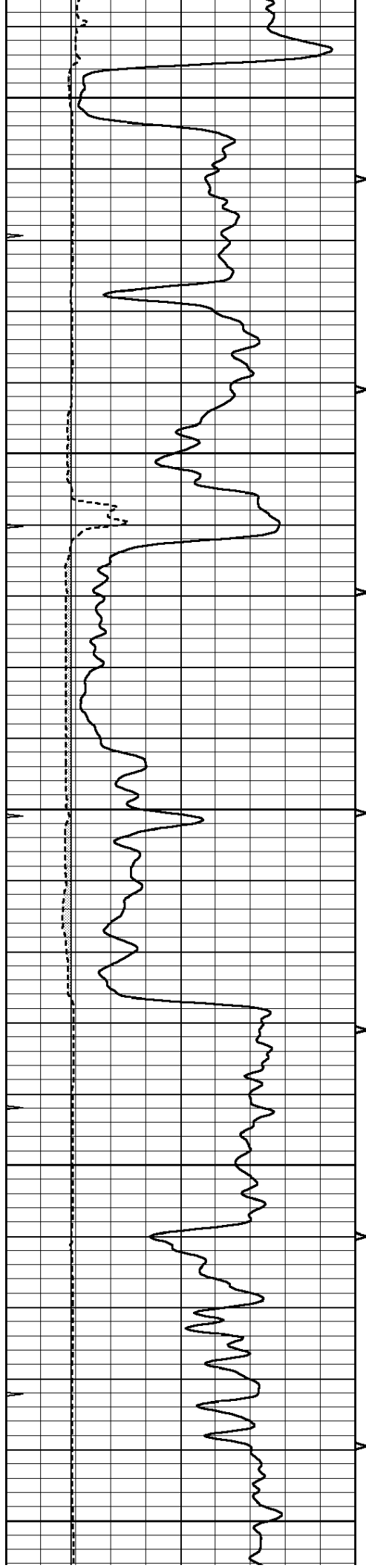
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1650

1700

1750





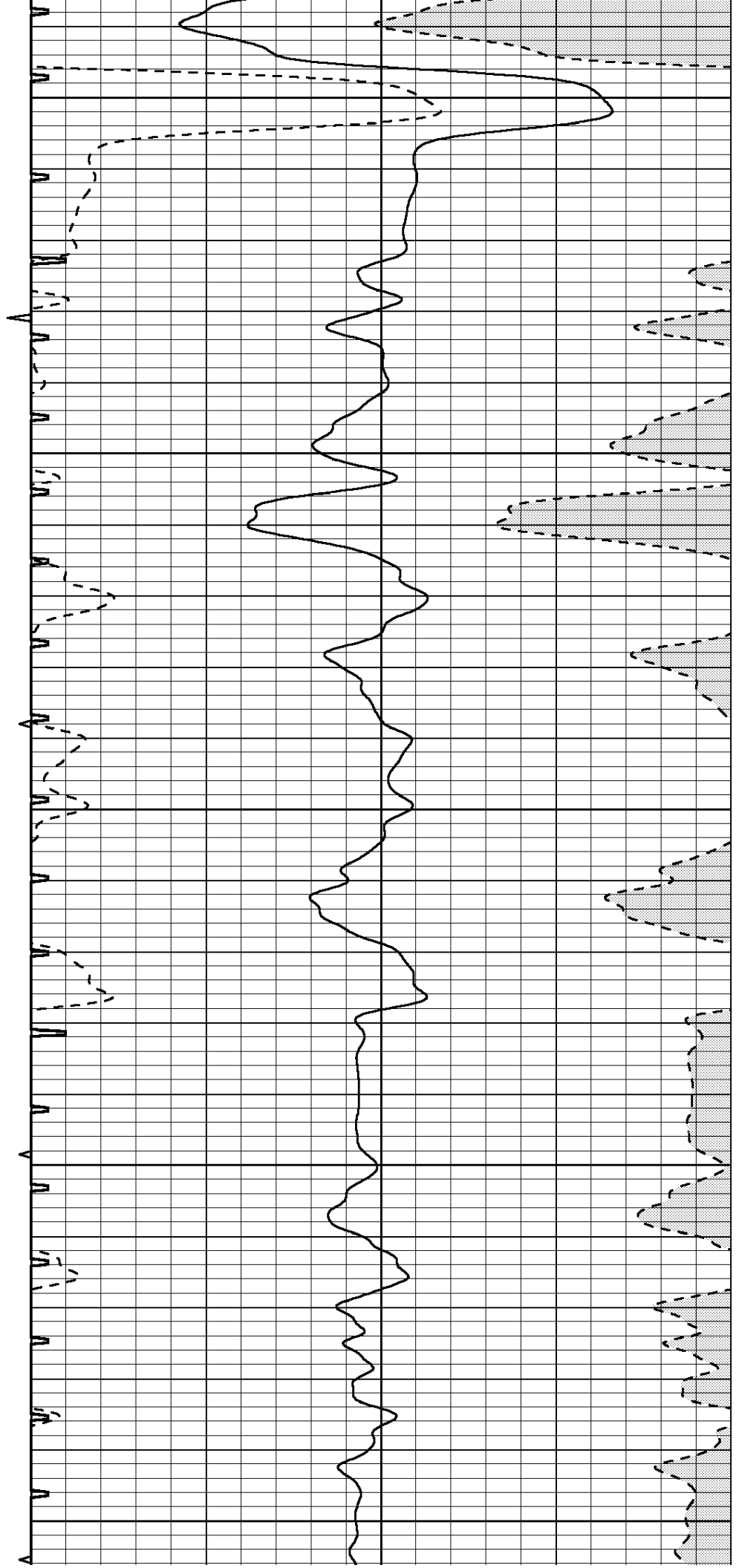
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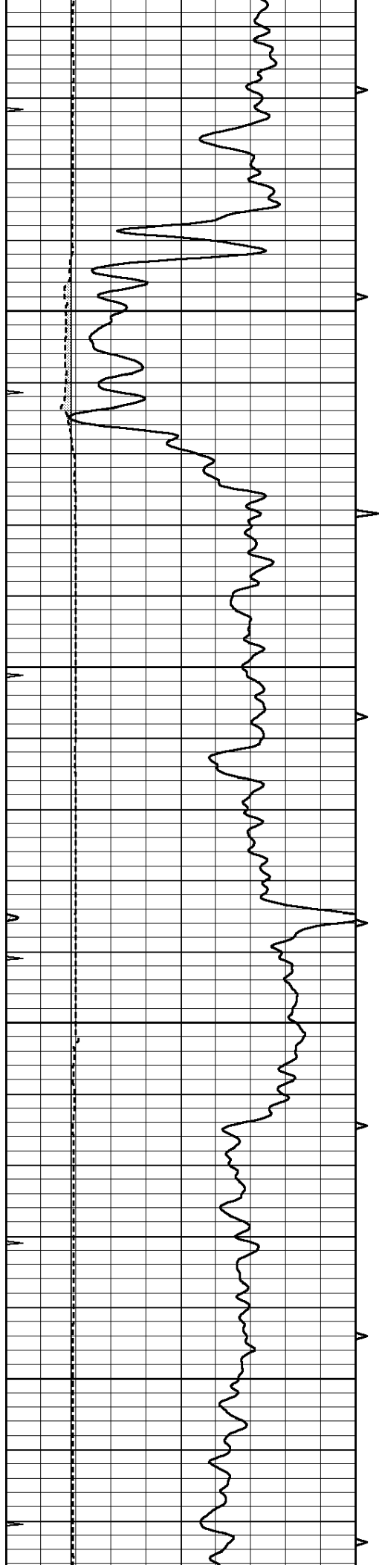
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1900

1950

2000



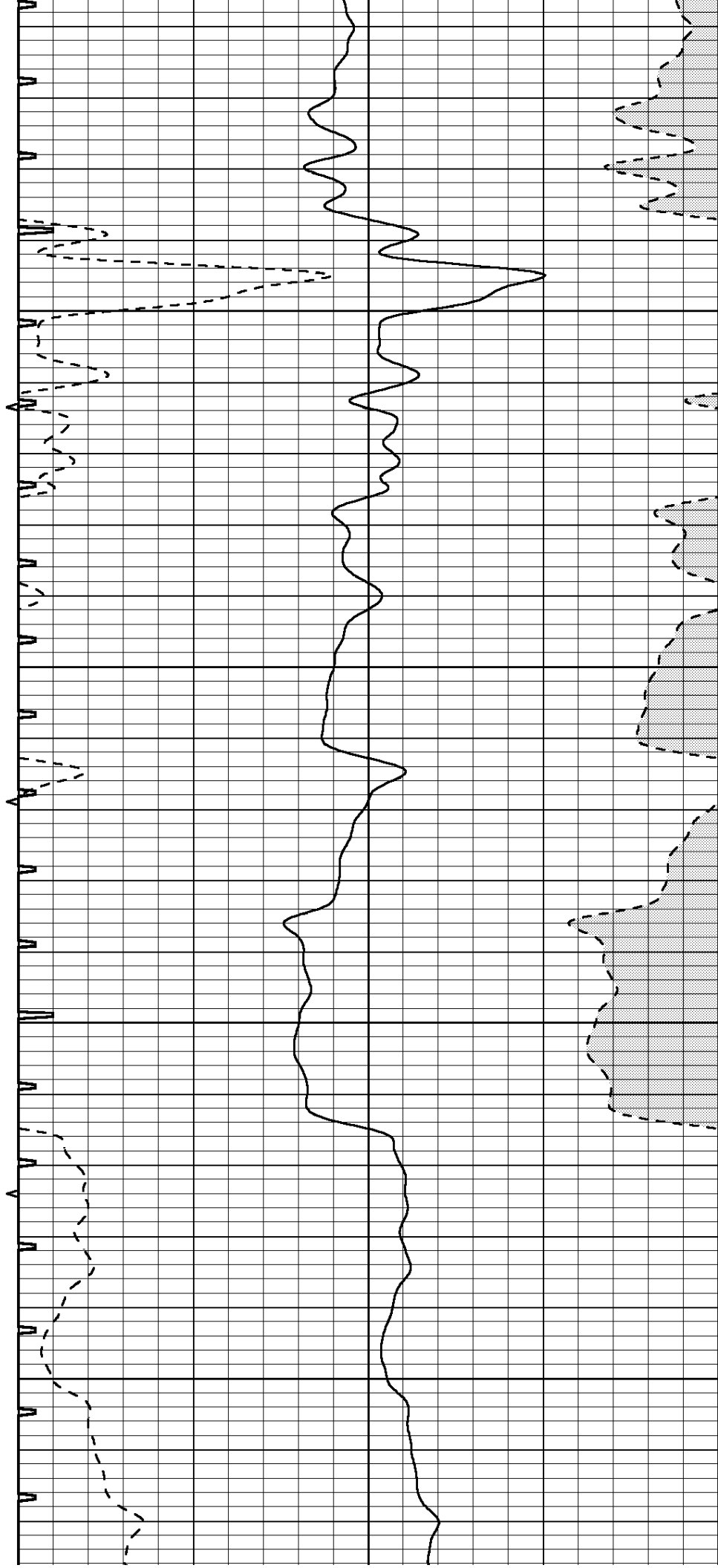


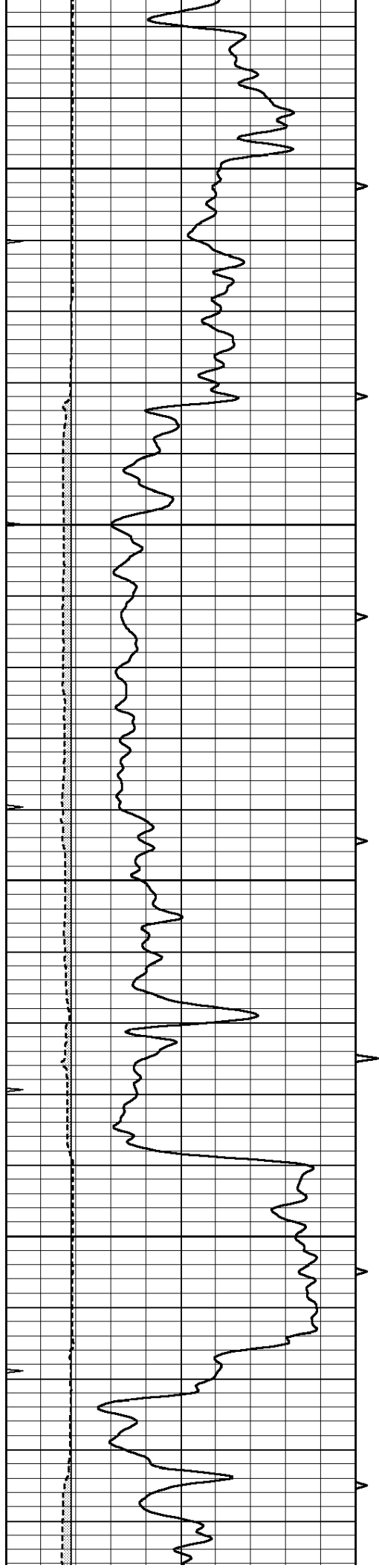
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2100

2150

2200



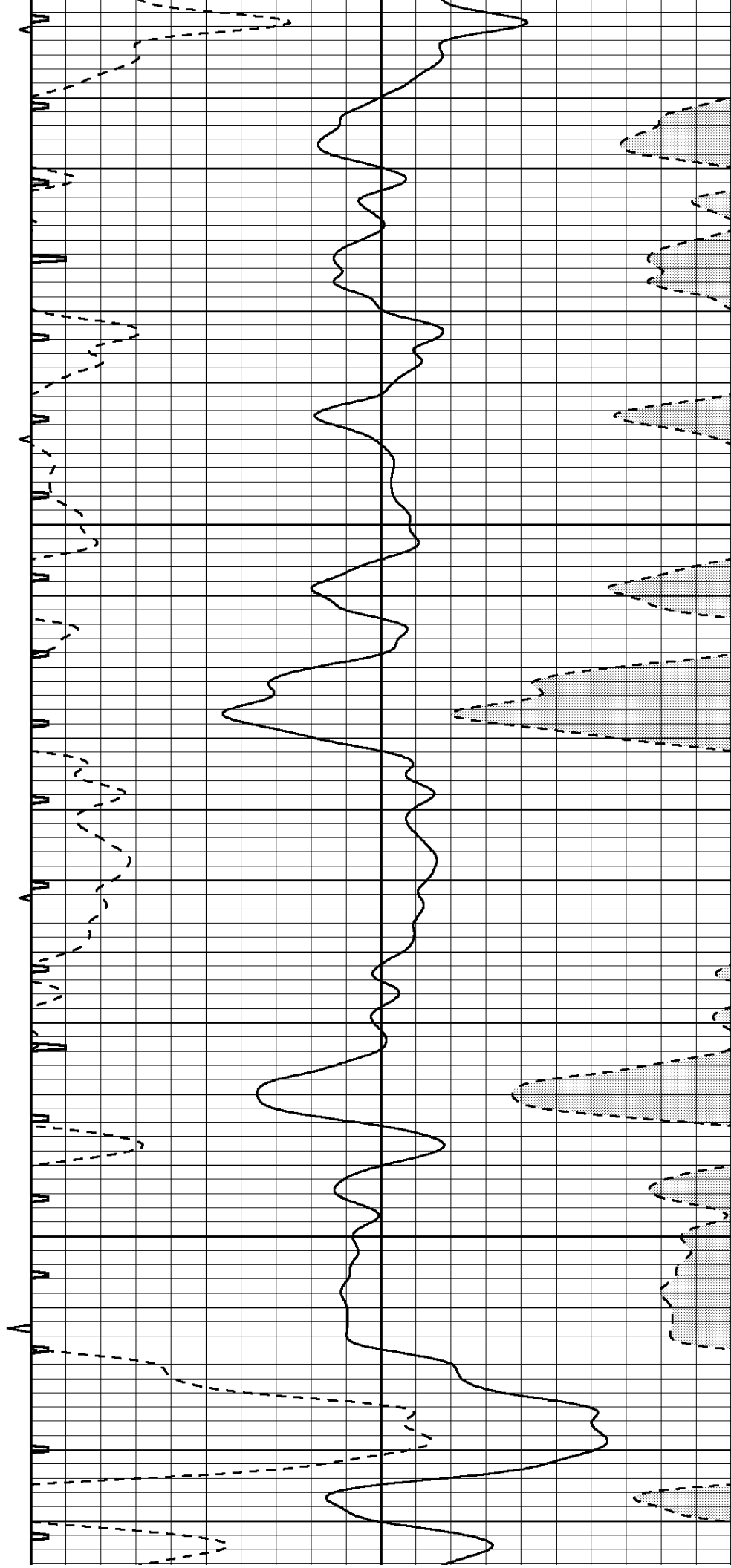


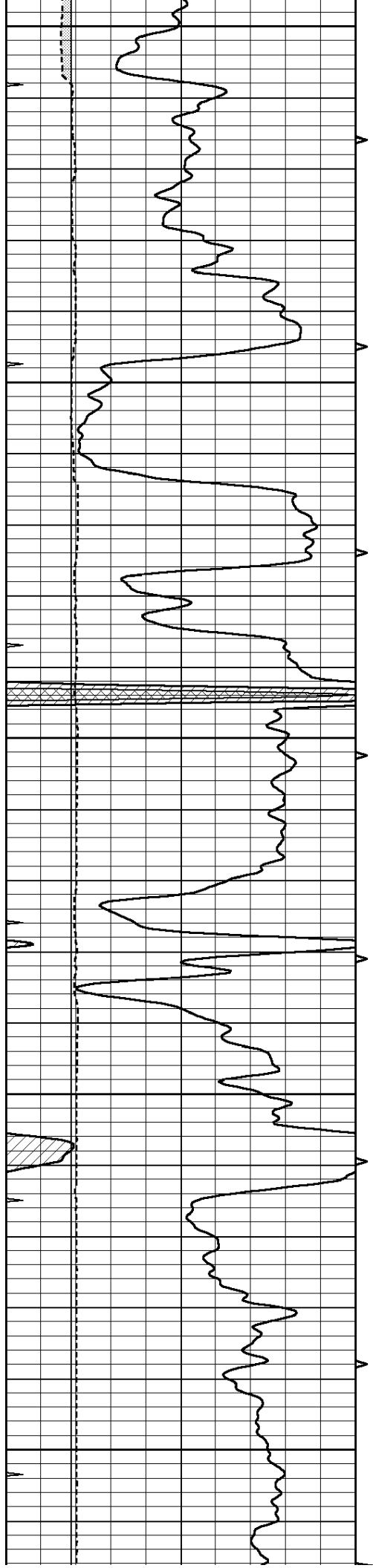
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2350

2400





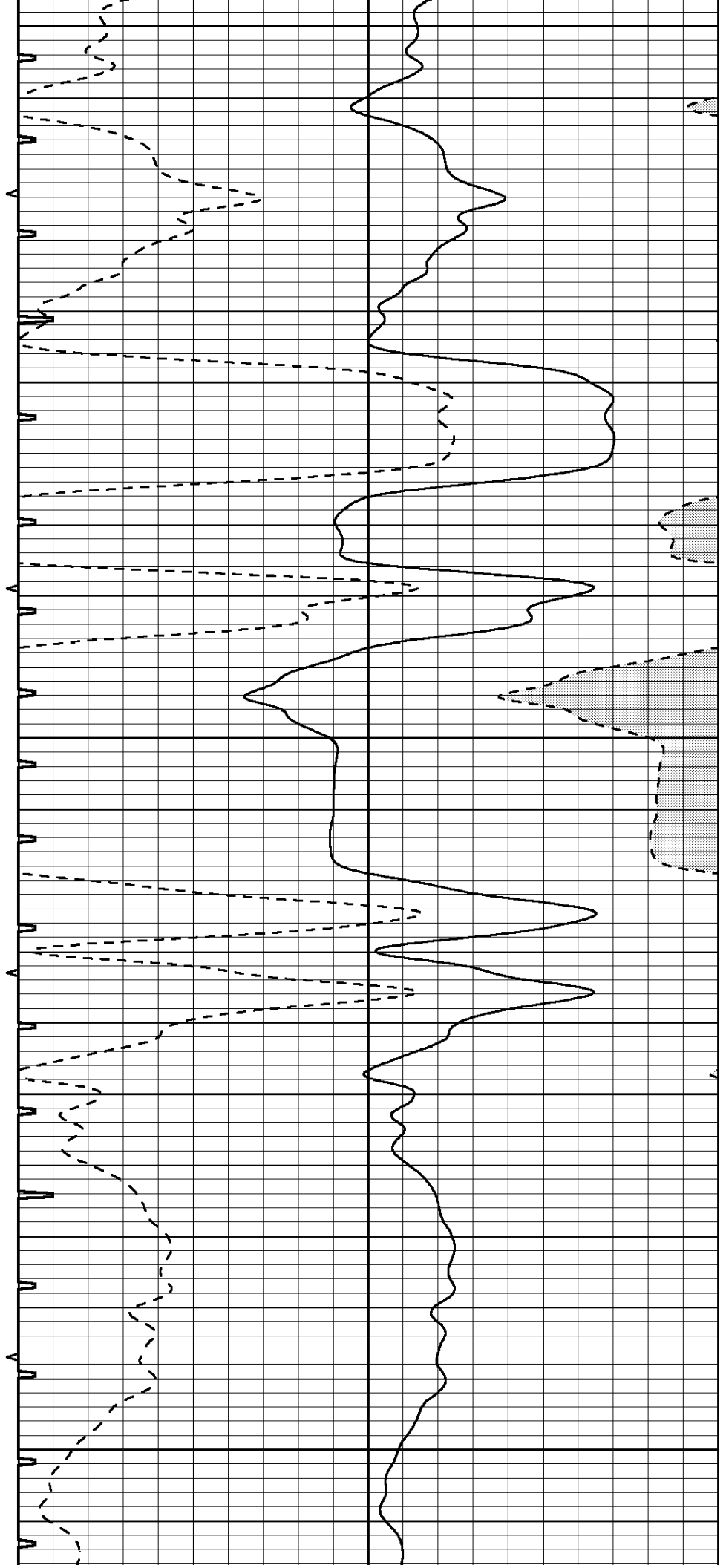
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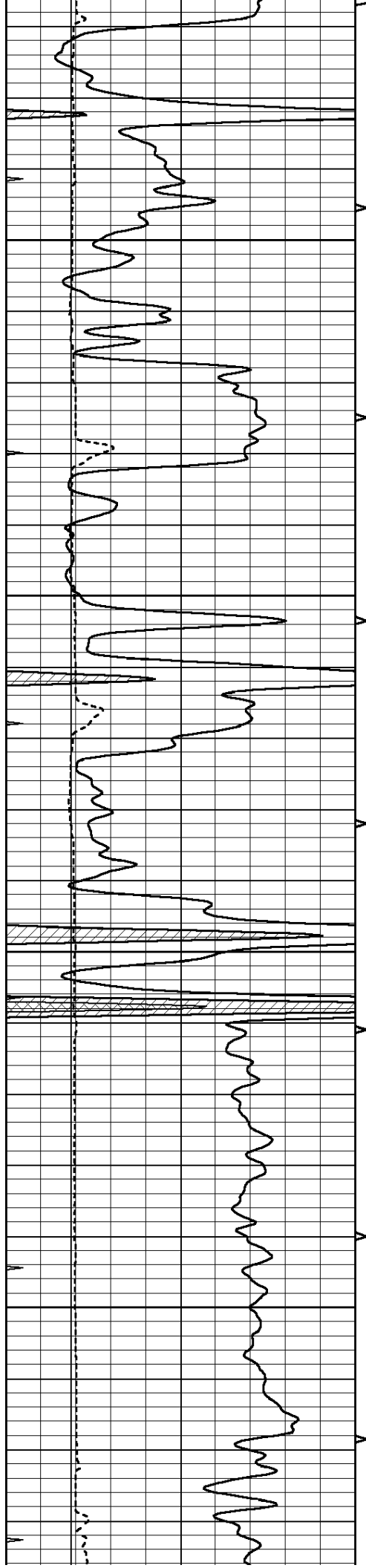
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2550

2600

2650



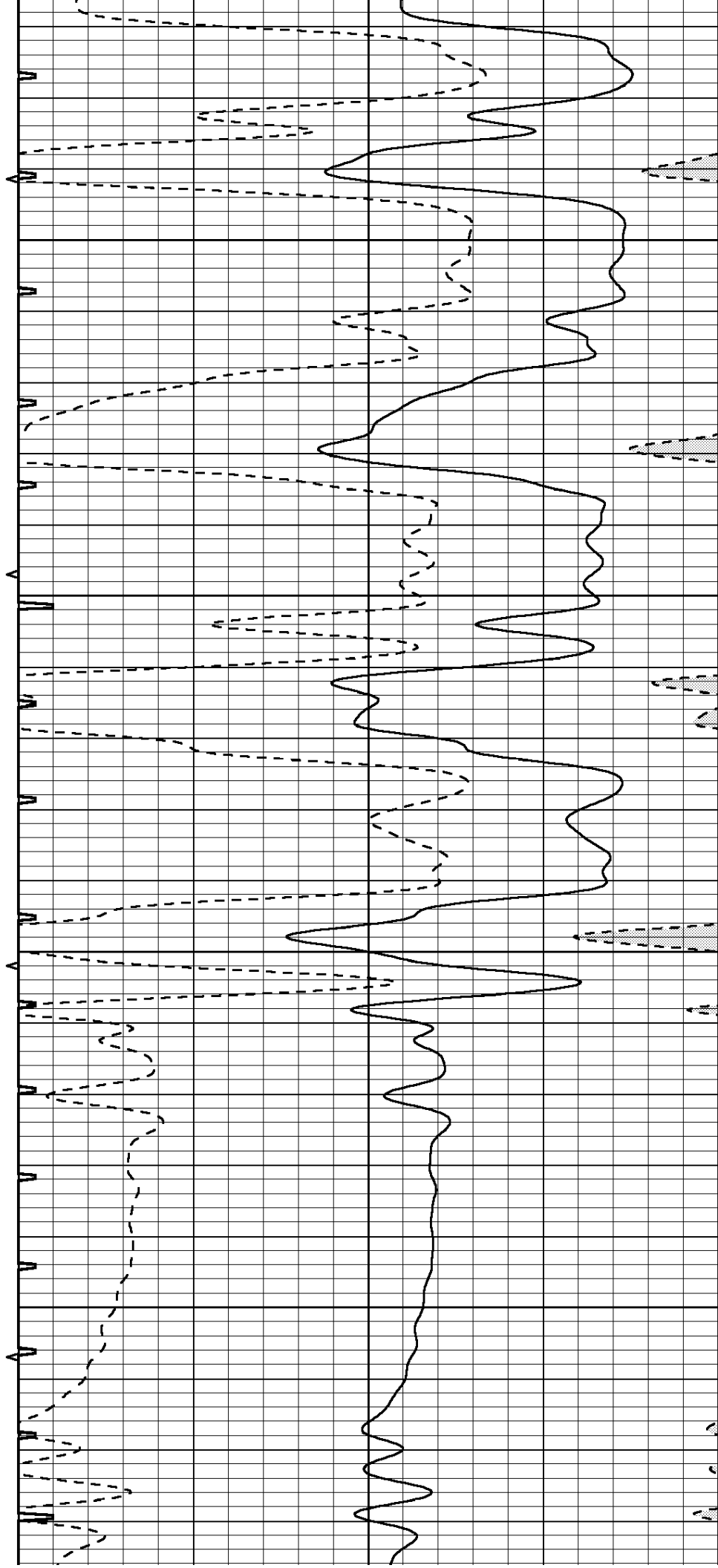


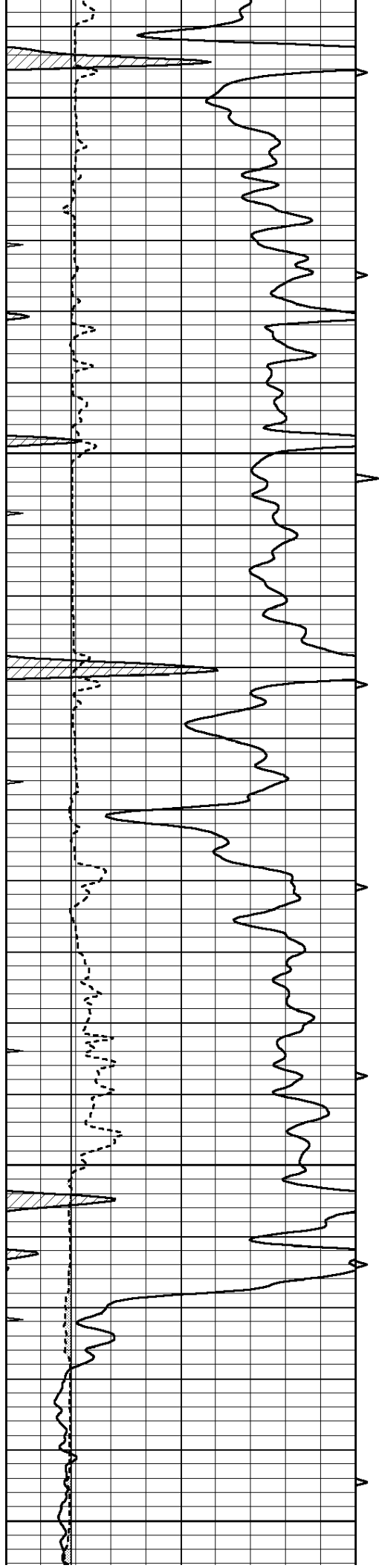
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2750

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2850





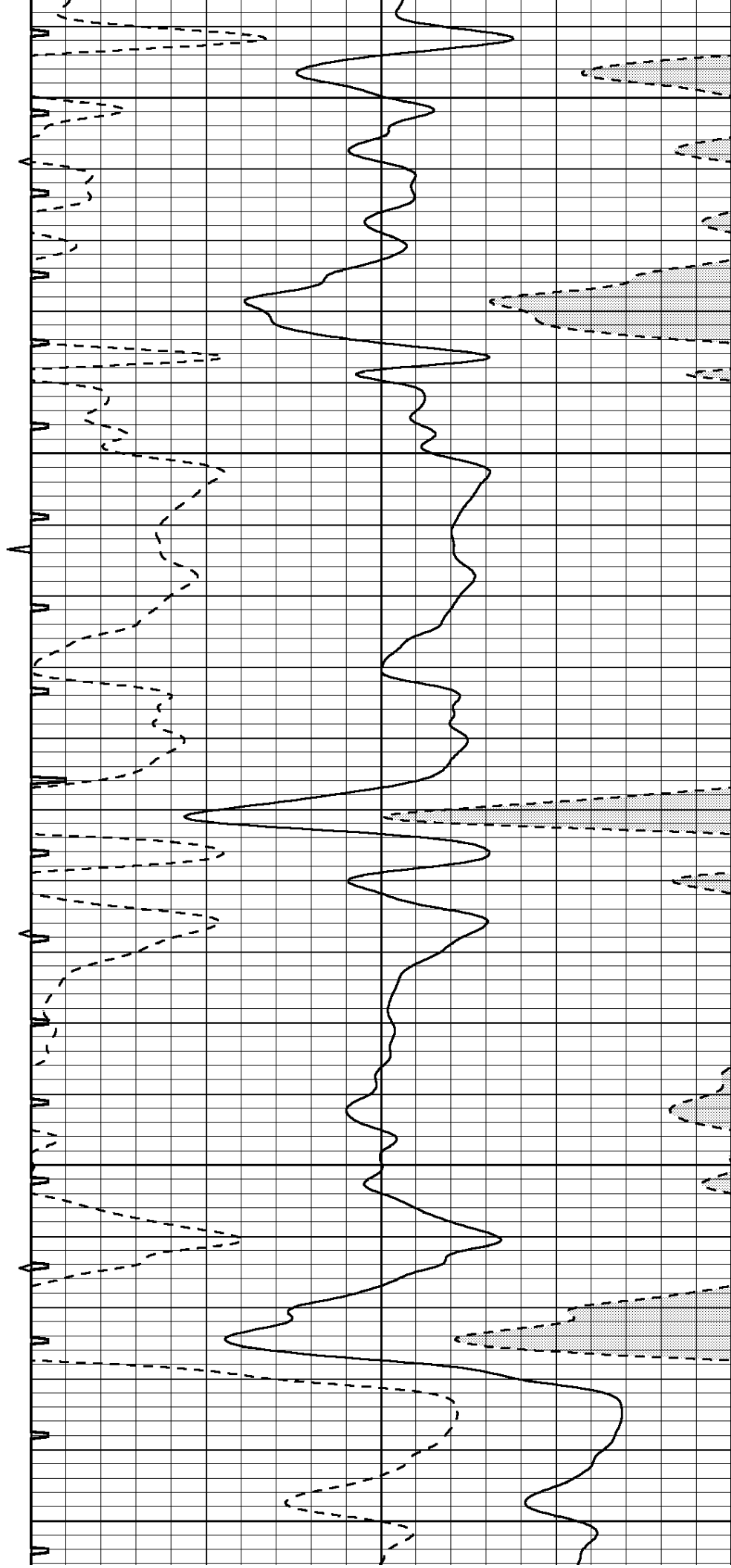
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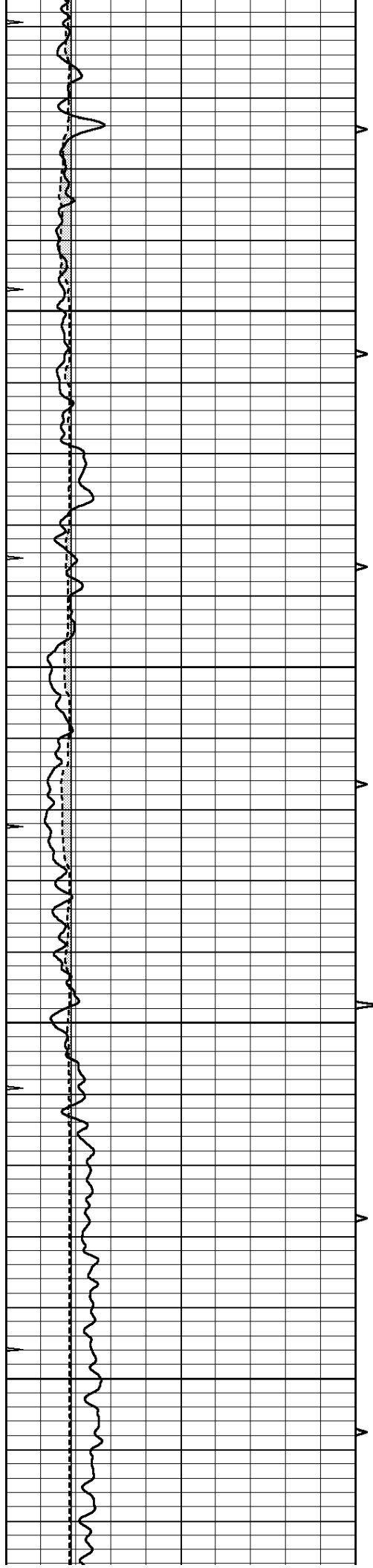
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3000

3050

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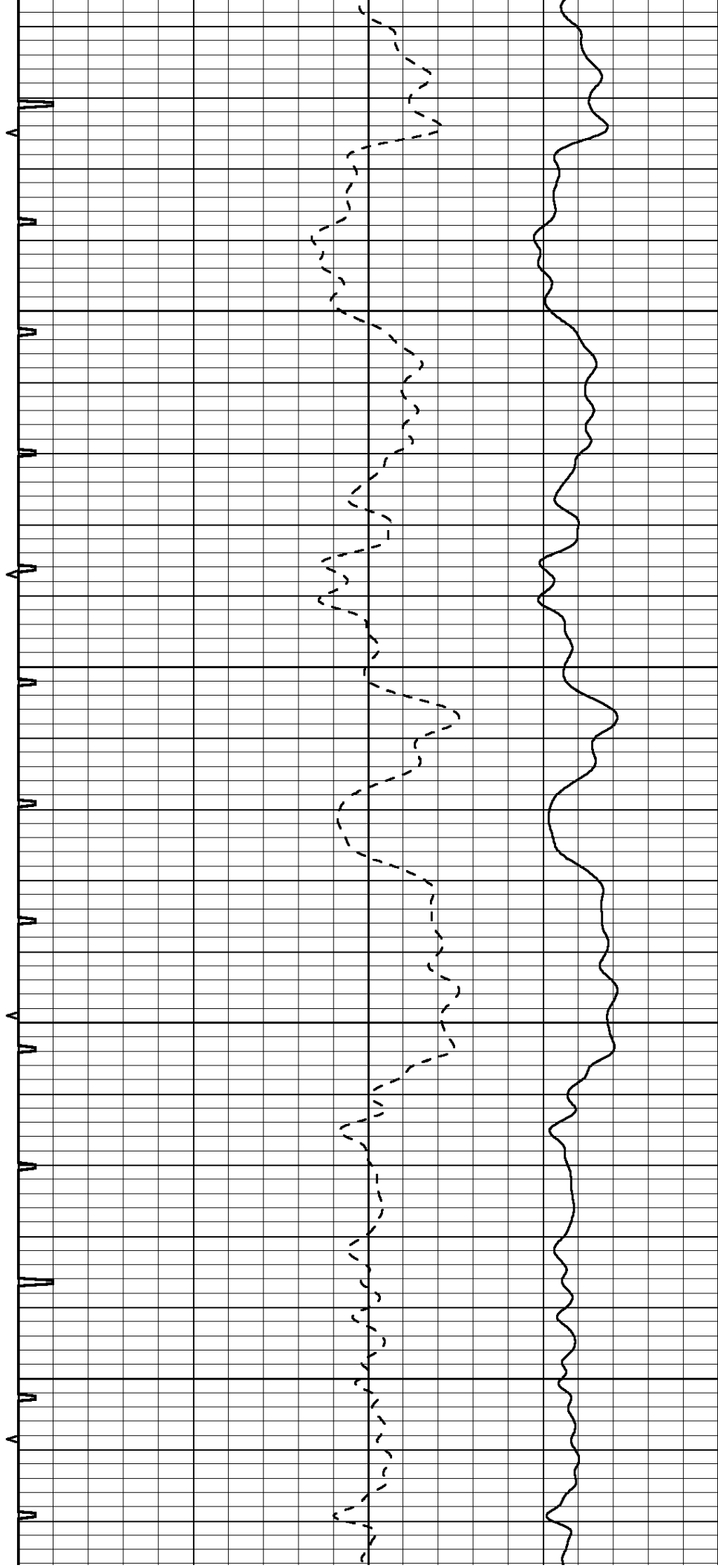


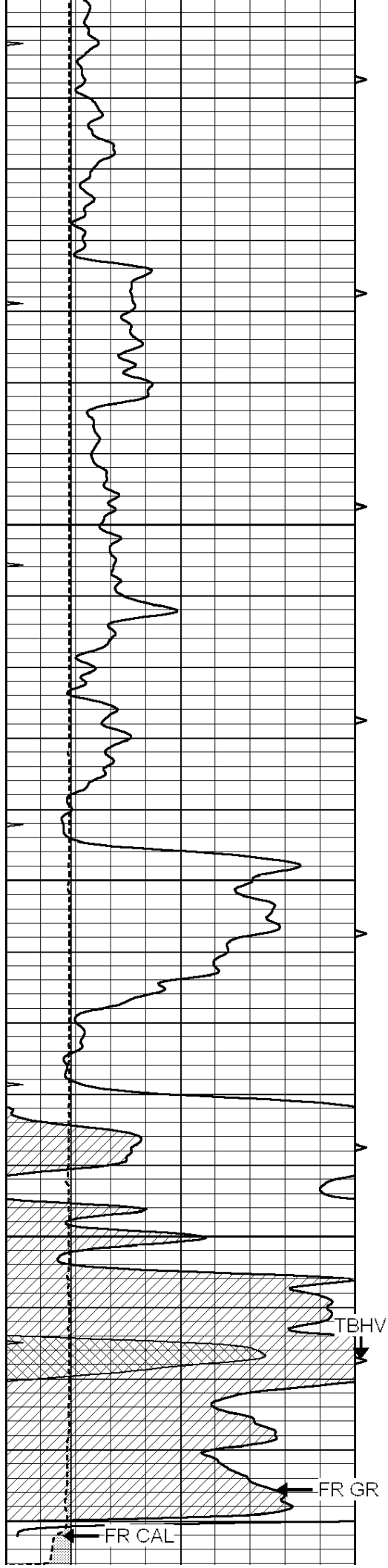
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3250

3300





3350

3400

3450

3500

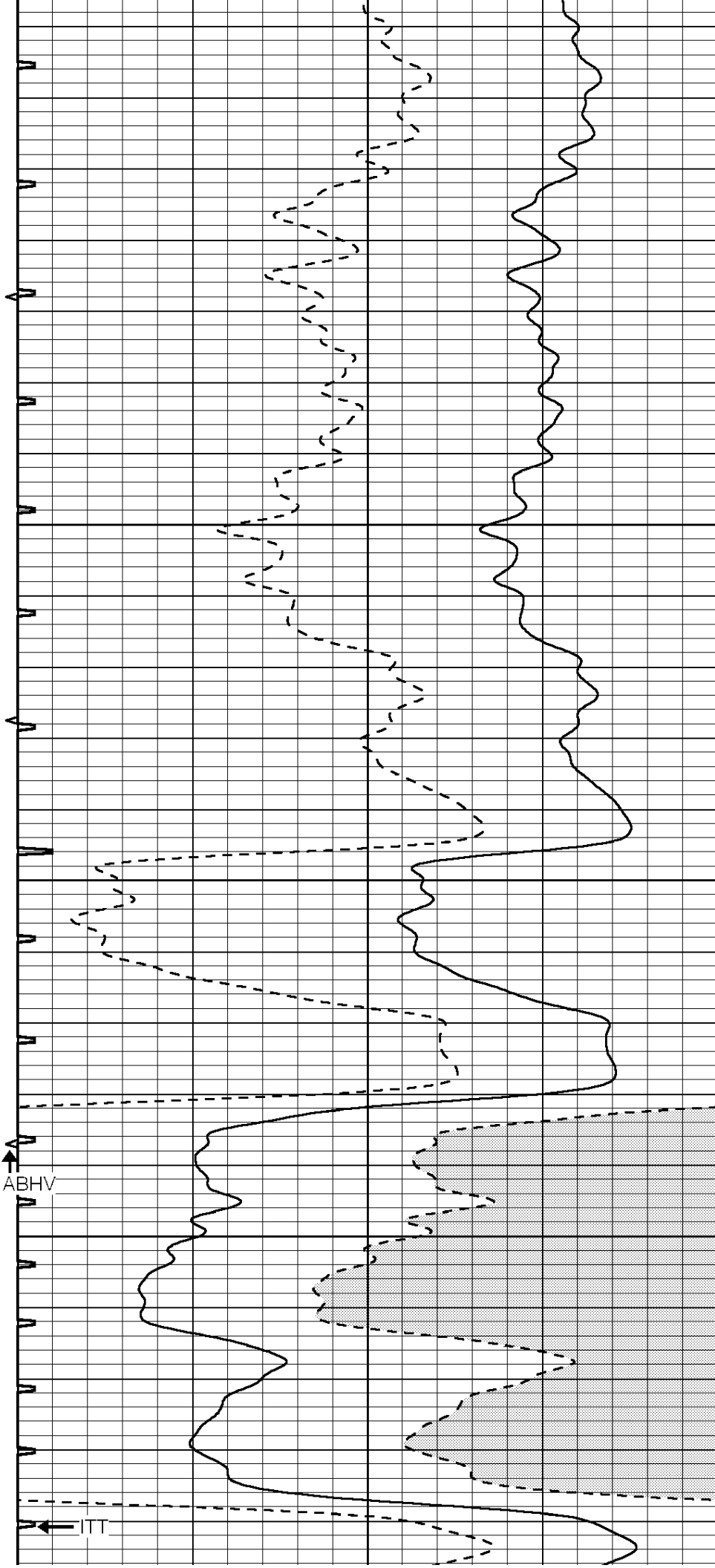
TBHV

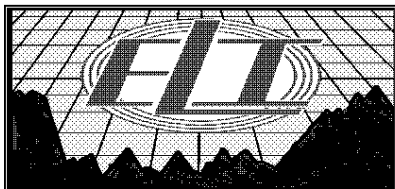
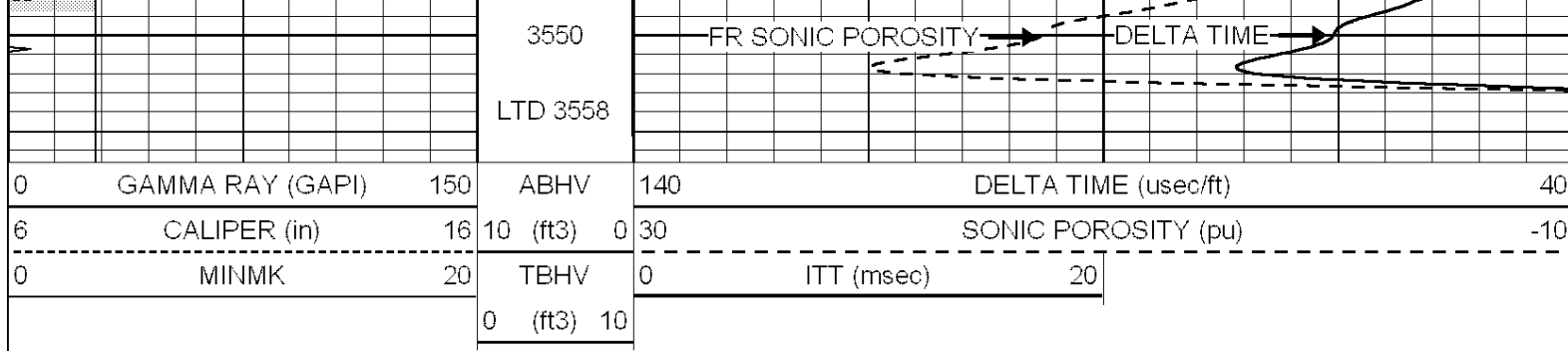
FR GR

FR CAL

5.5' ABHV

ITT





REPEAT SECTION

Database File: 3612pe.db
 Dataset Pathname: pass5.1
 Presentation Format: slt
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 Charted by: Depth in Feet scaled 1:240

