



SUPERIOR
Hays,
Kansas

SONIC
LOG

Company MULL DRILLING COMPANY, INC.
Well CHAMPLIN - ALDRICH #4
Field CHEYENNE WELLS
County CHEYENNE
State COLORADO

Company MULL DRILLING COMPANY, INC.
Well CHAMPLIN - ALDRICH #4
Field CHEYENNE WELLS
County CHEYENNE State COLORADO

Location: API # : 05-017-07678-0000
1200' FNL & 1000' FEL
NE/4 - NE/4
SEC 33 TWP 13S RGE 44W
Permanent Datum GROUND LEVEL Elevation 4273
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/MEL
Elevation
K.B. 4286
D.F. 4284
G.L. 4273

Date	10/3/09		
Run Number	TWO		
Depth Driller	5515		
Depth Logger	5529		
Bottom Logged Interval	5516		
Top Log Interval	400		
Casing Driller	13 3/8"@445'		
Casing Logger	440		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,500 PPM	
Density / Viscosity	9.1/56		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800@92F		
Rmf @ Meas. Temp	.600@92F		
Rmc @ Meas. Temp	.960@92F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.566@130F		
Time Circulation Stopped	5 HOURS		
Time Logger on Bottom	6:15 P.M.		
Maximum Recorded Temperature	130F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PHIL ASKEY		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
CHEYENNE WELLS, CO., 4 1/4 N. ON HWY TO RD. "V", 1 E., 1/2 S., W. INTO
(NOTE) LTD REACHED ON SECOND PASS IS 13' DEEPER THAN ORIGINAL PASS

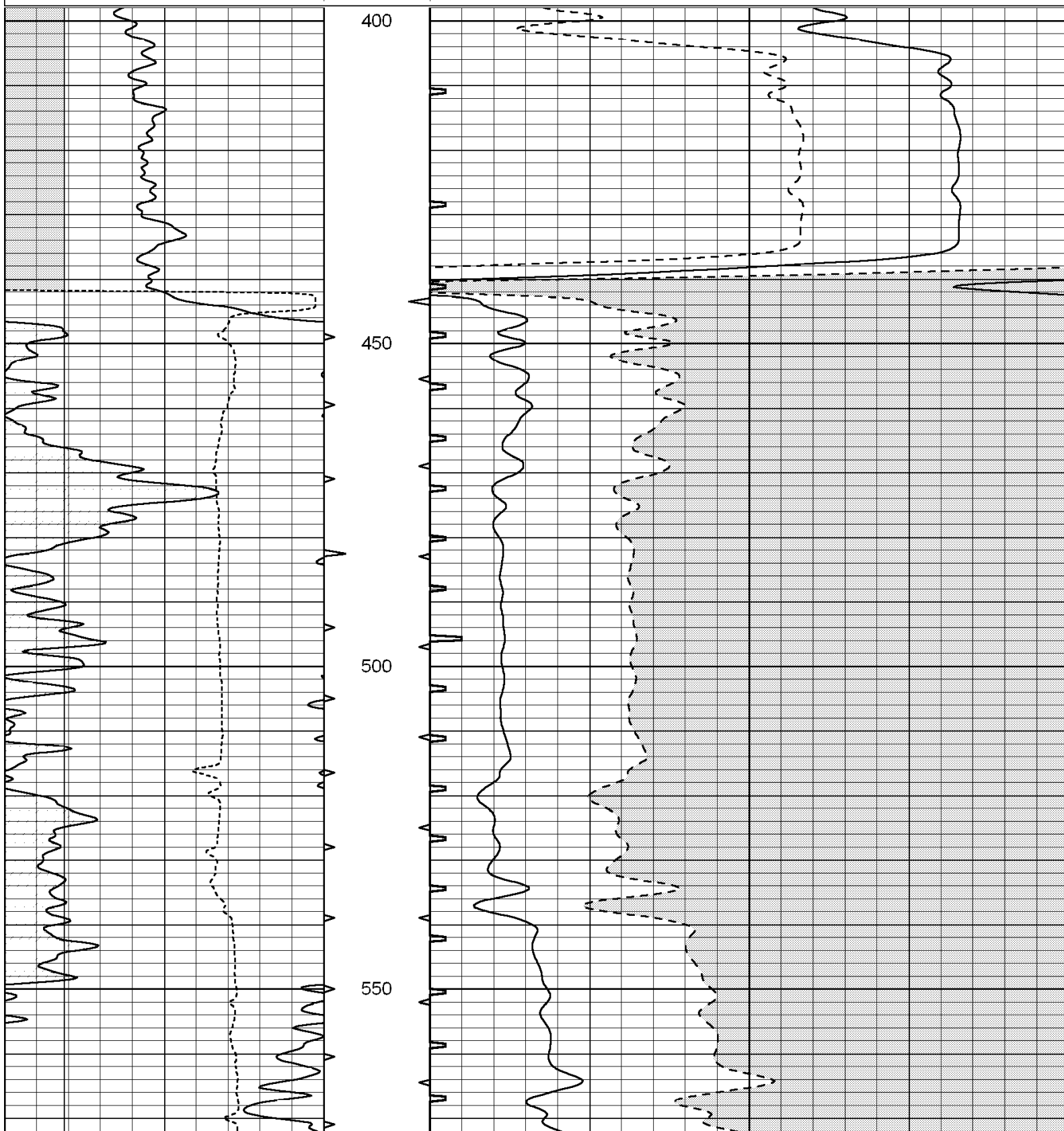


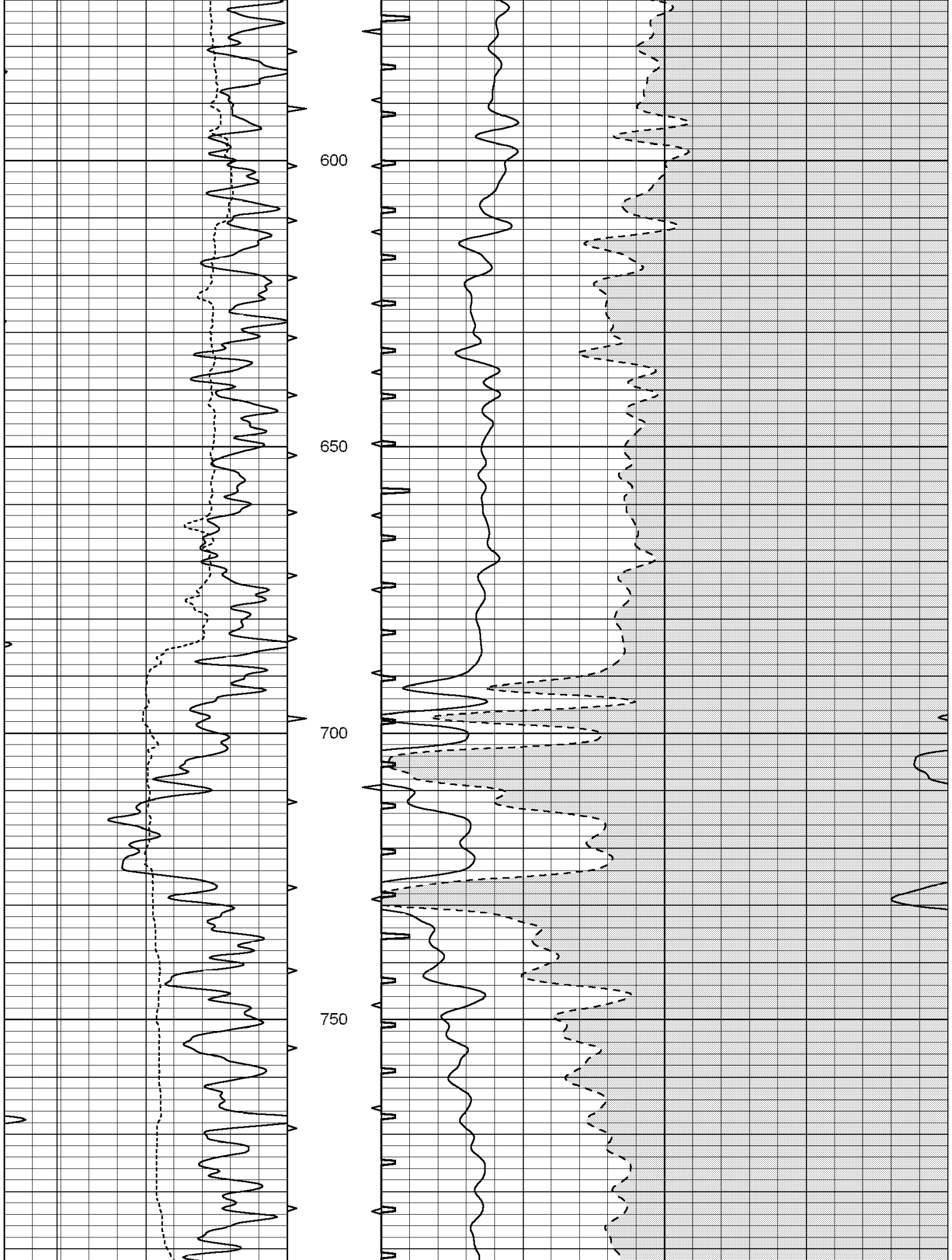
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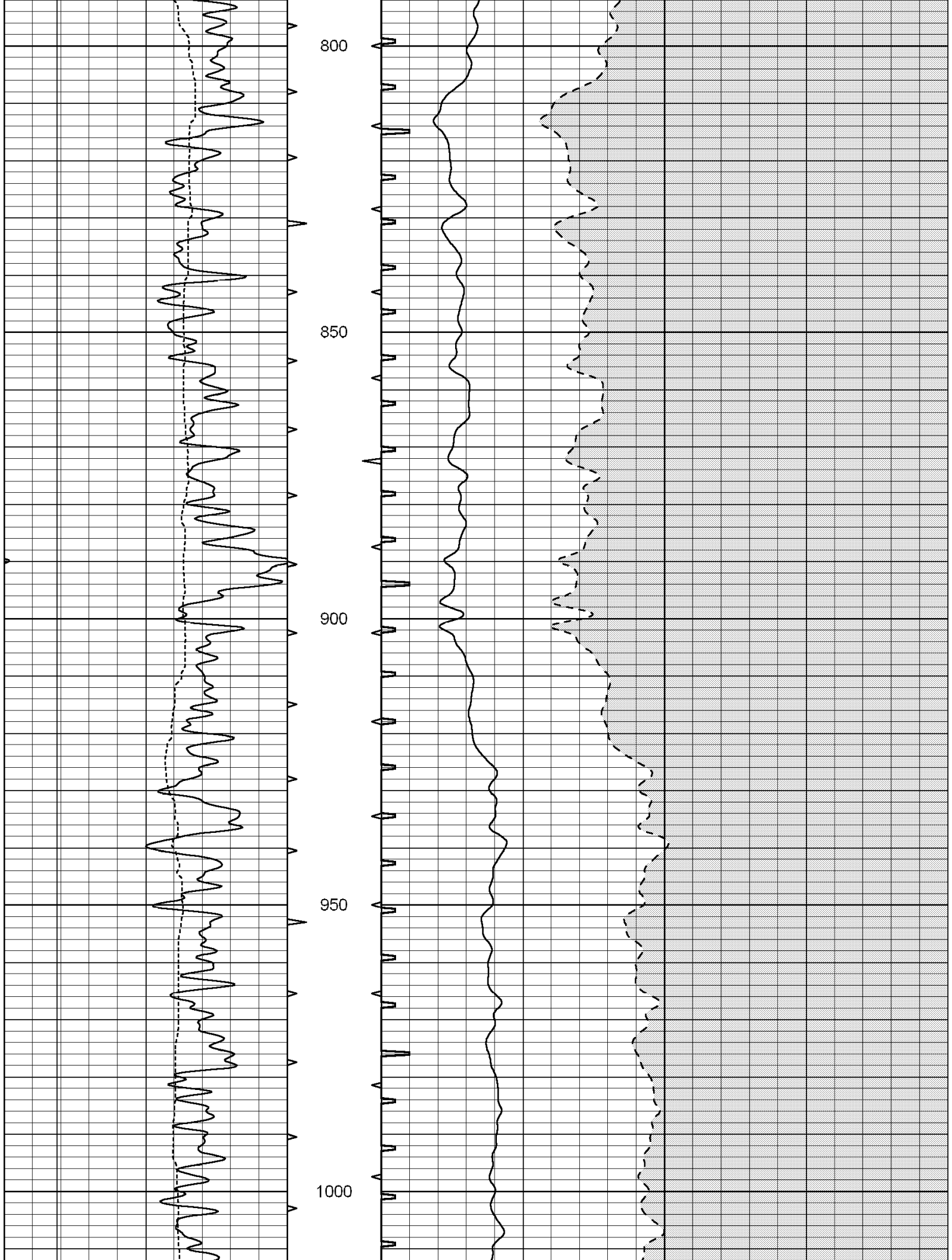
MAIN SECTION

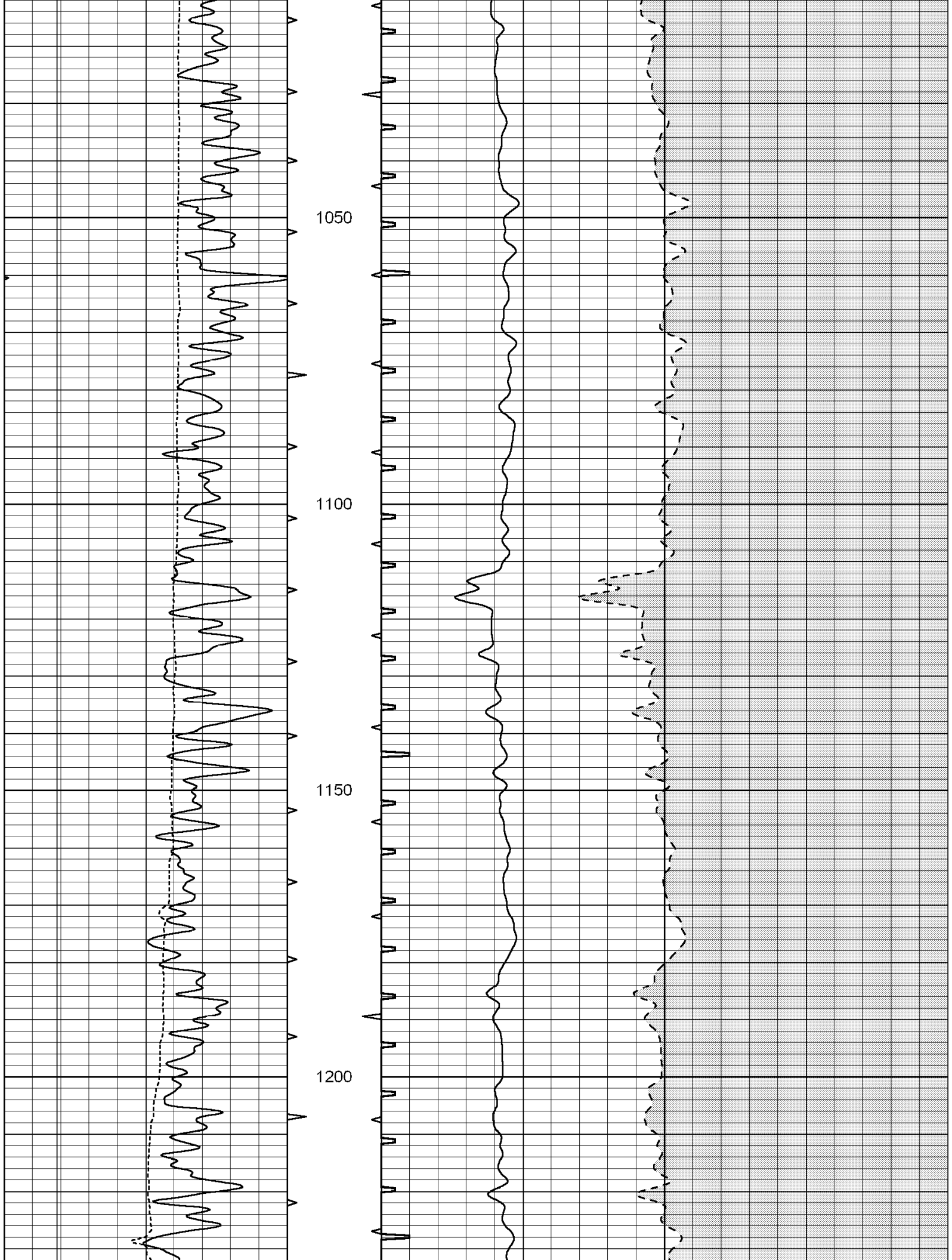
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Presentation Format: slt
Dataset Creation: Sat Oct 03 23:05:44 2009
Charted by: Depth in Feet scaled 1:240

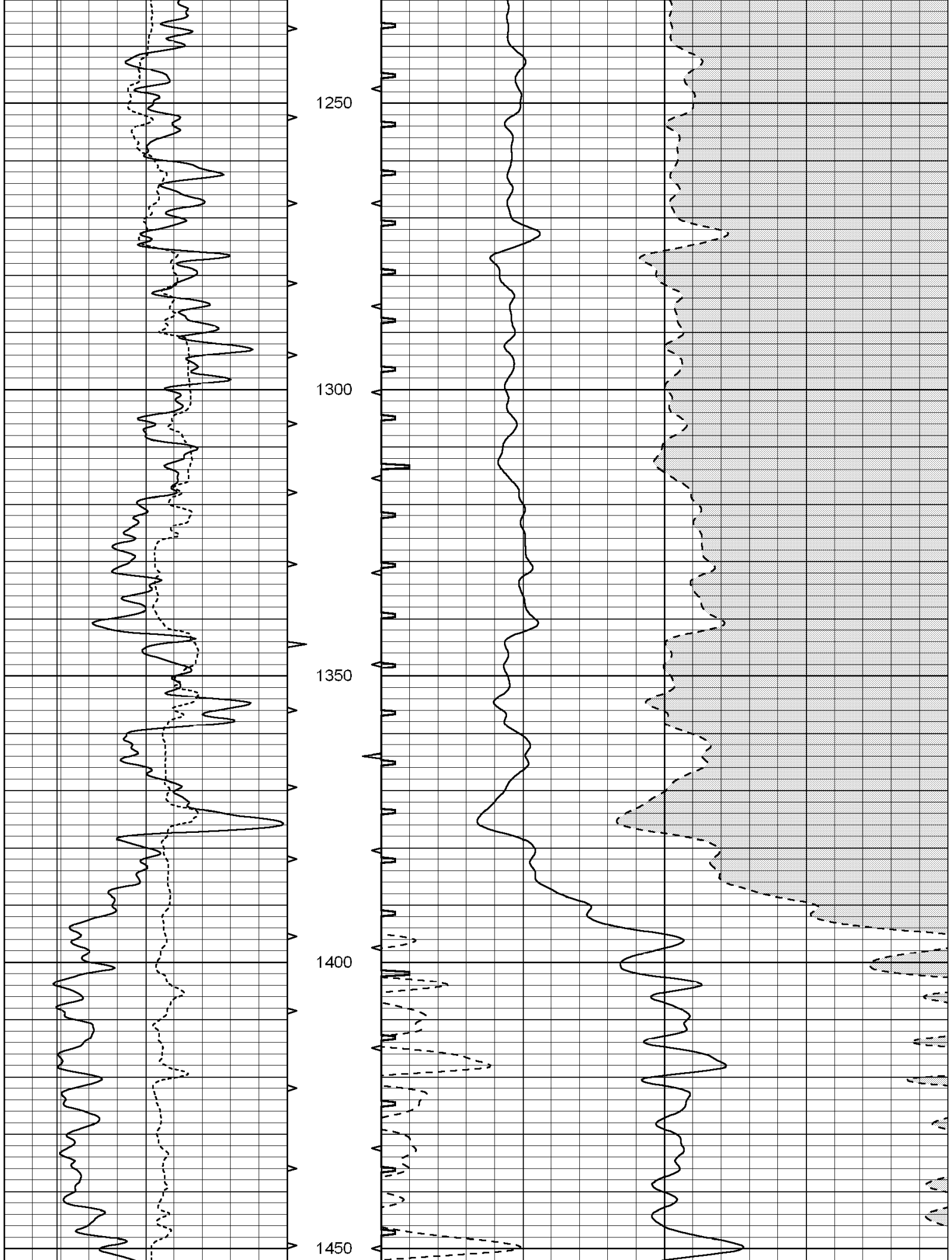
0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3) 10			

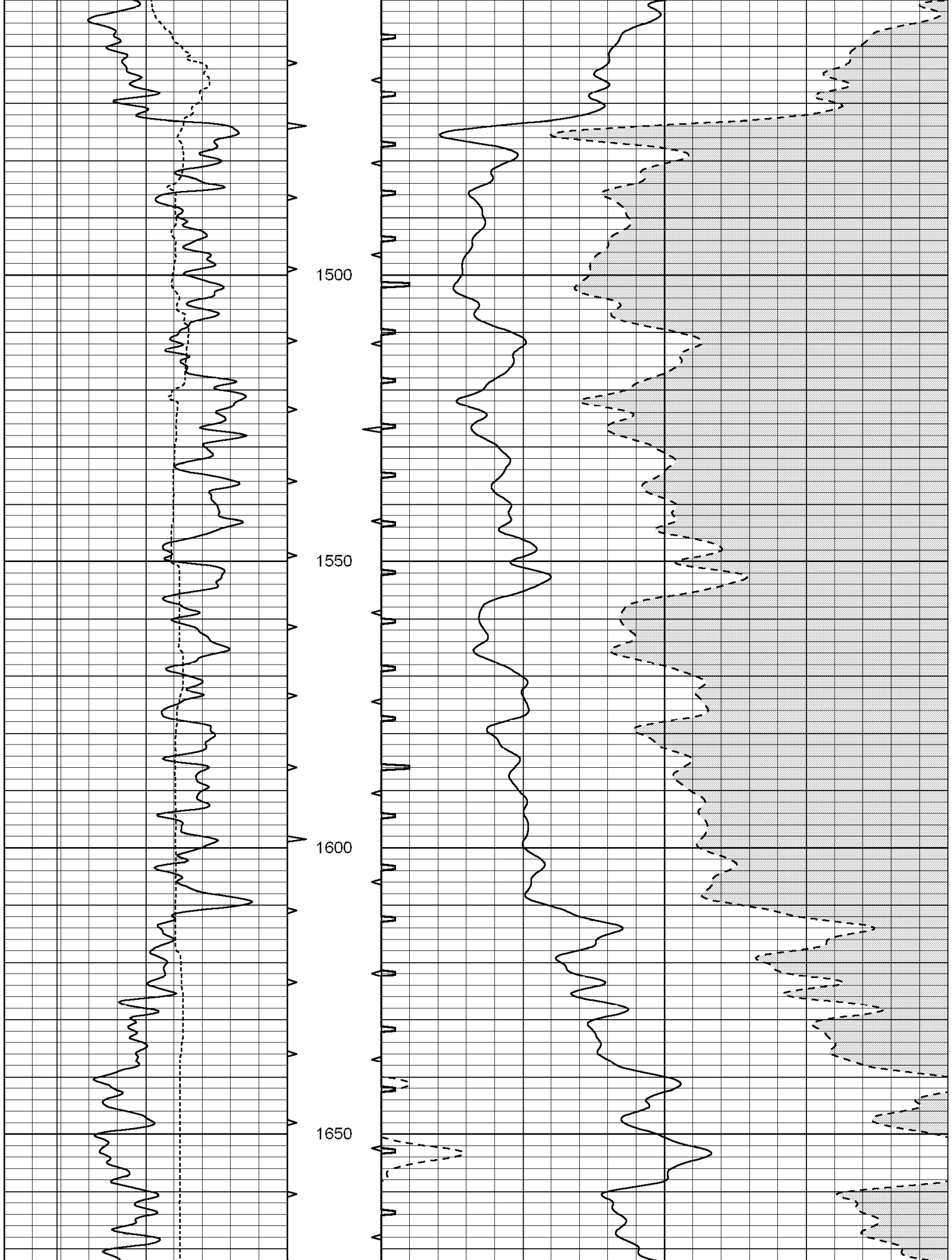


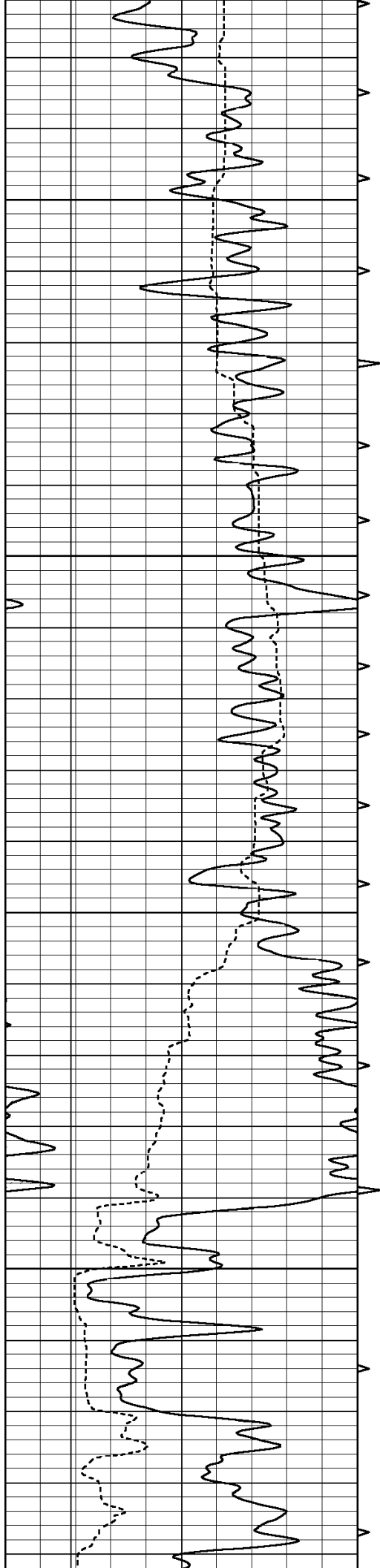










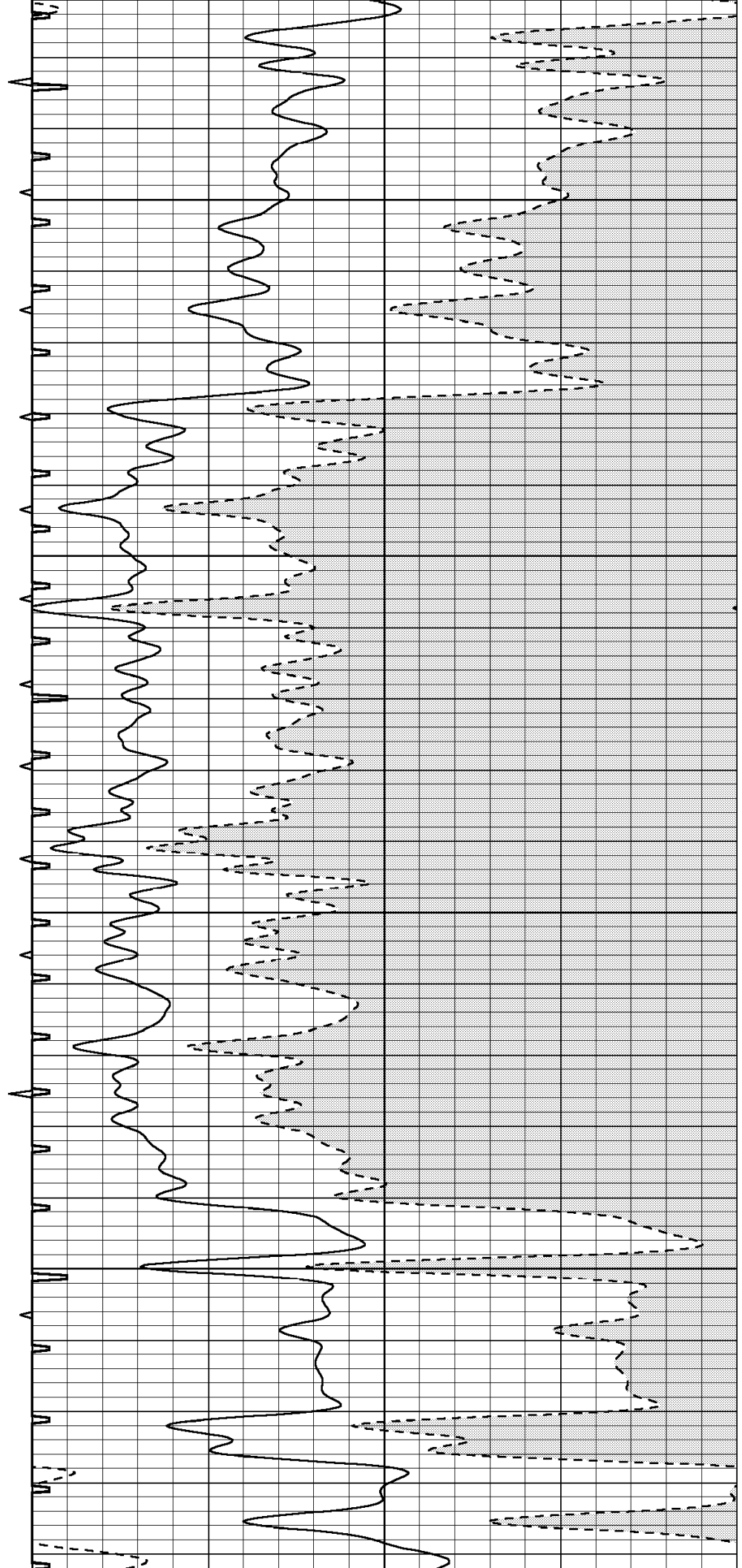


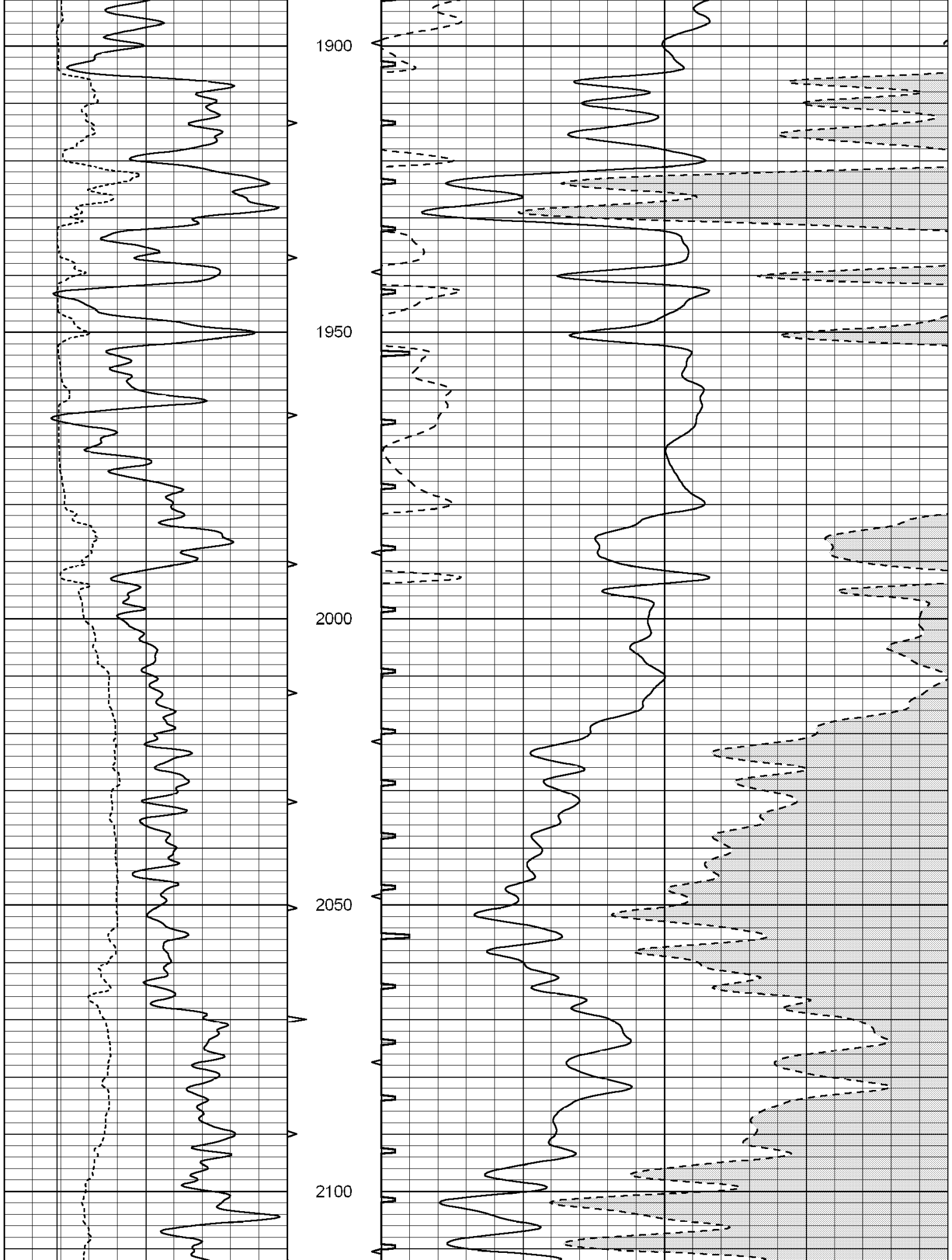
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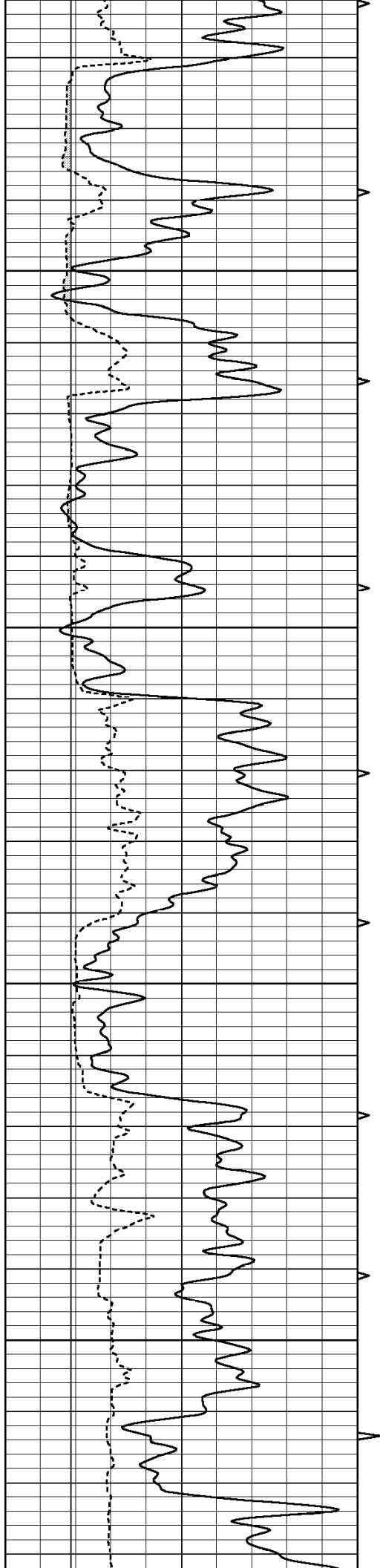
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1850





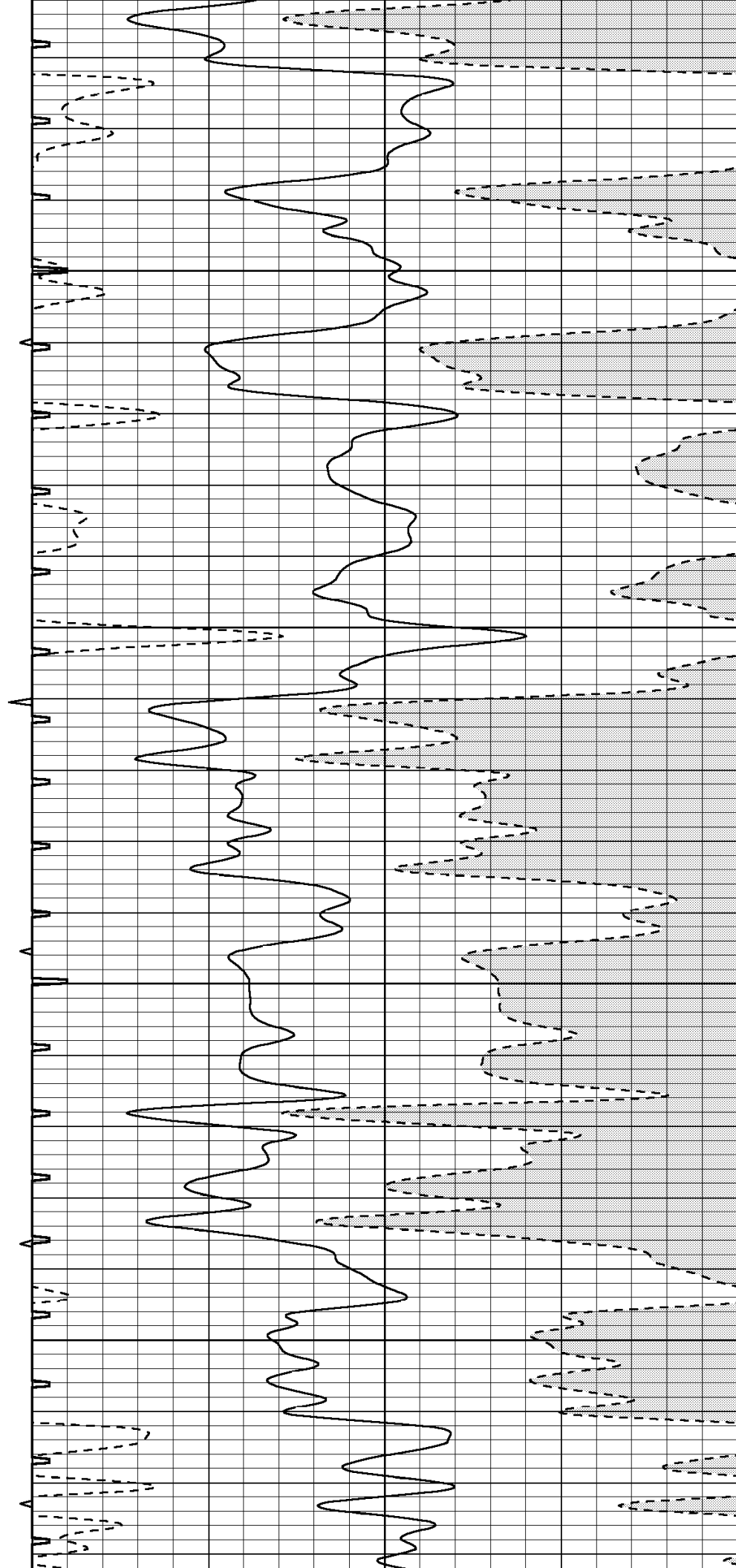


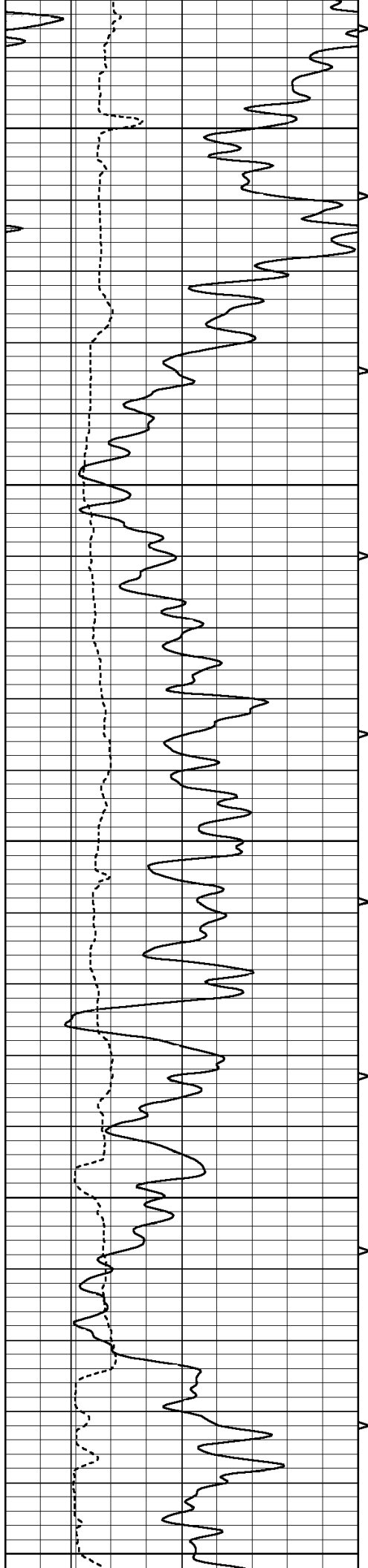
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2200

2250

2300





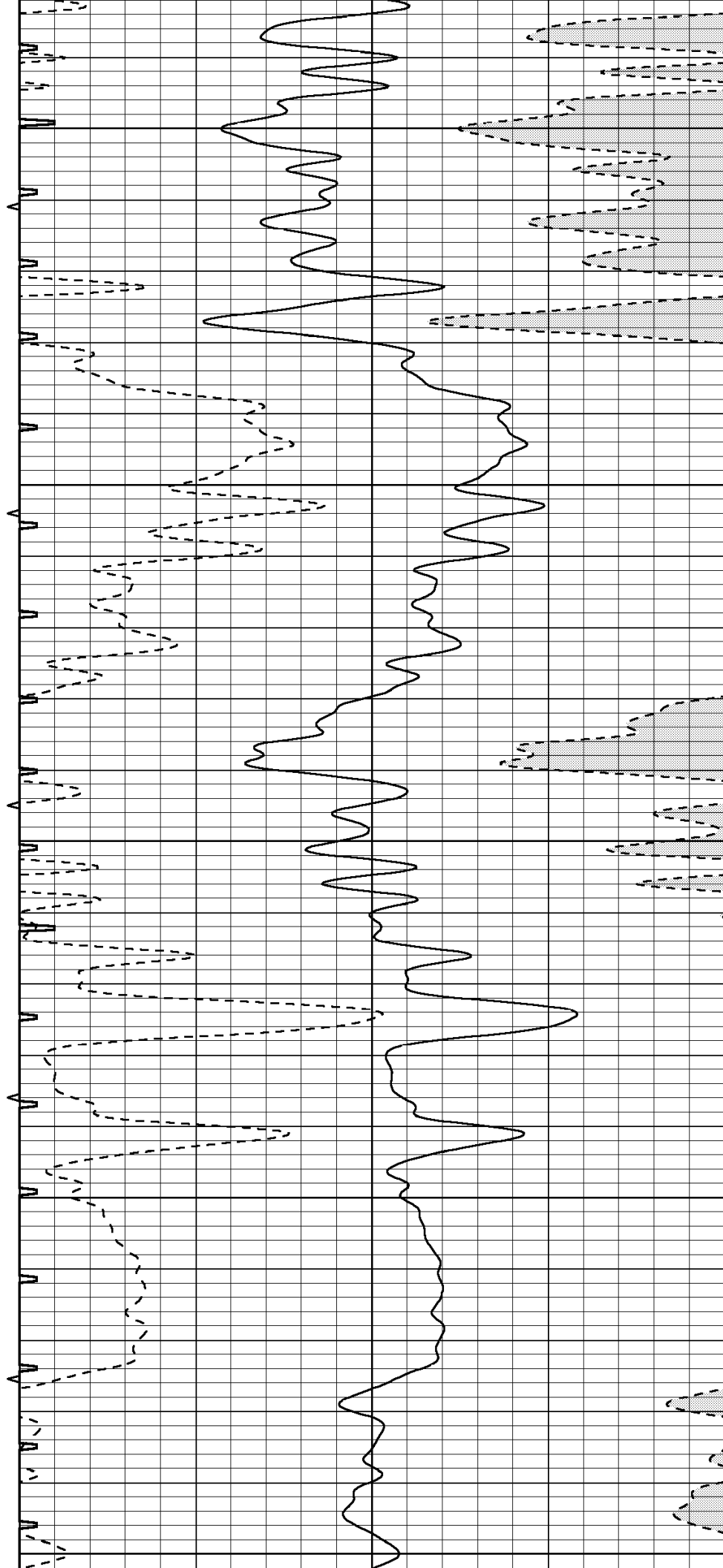
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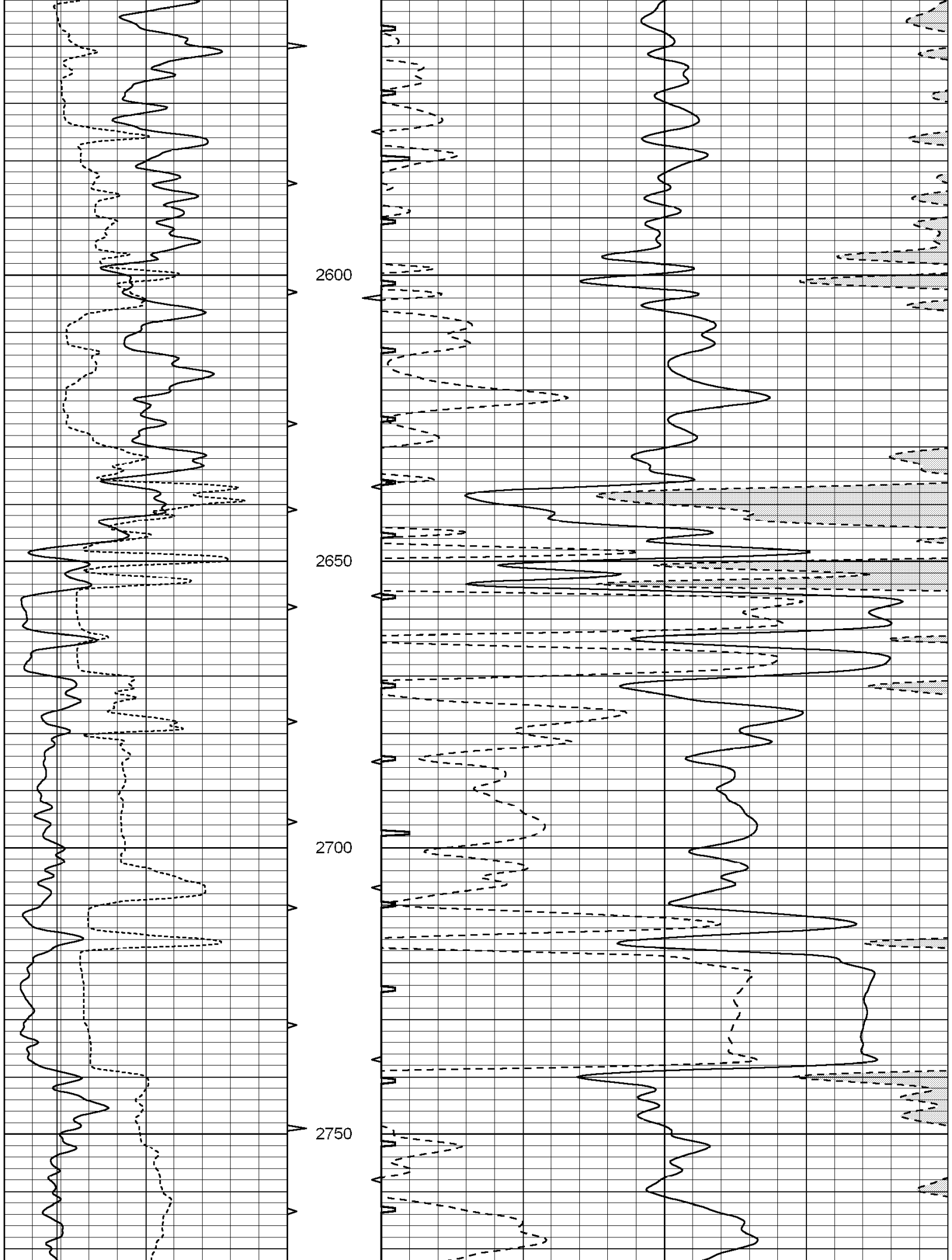
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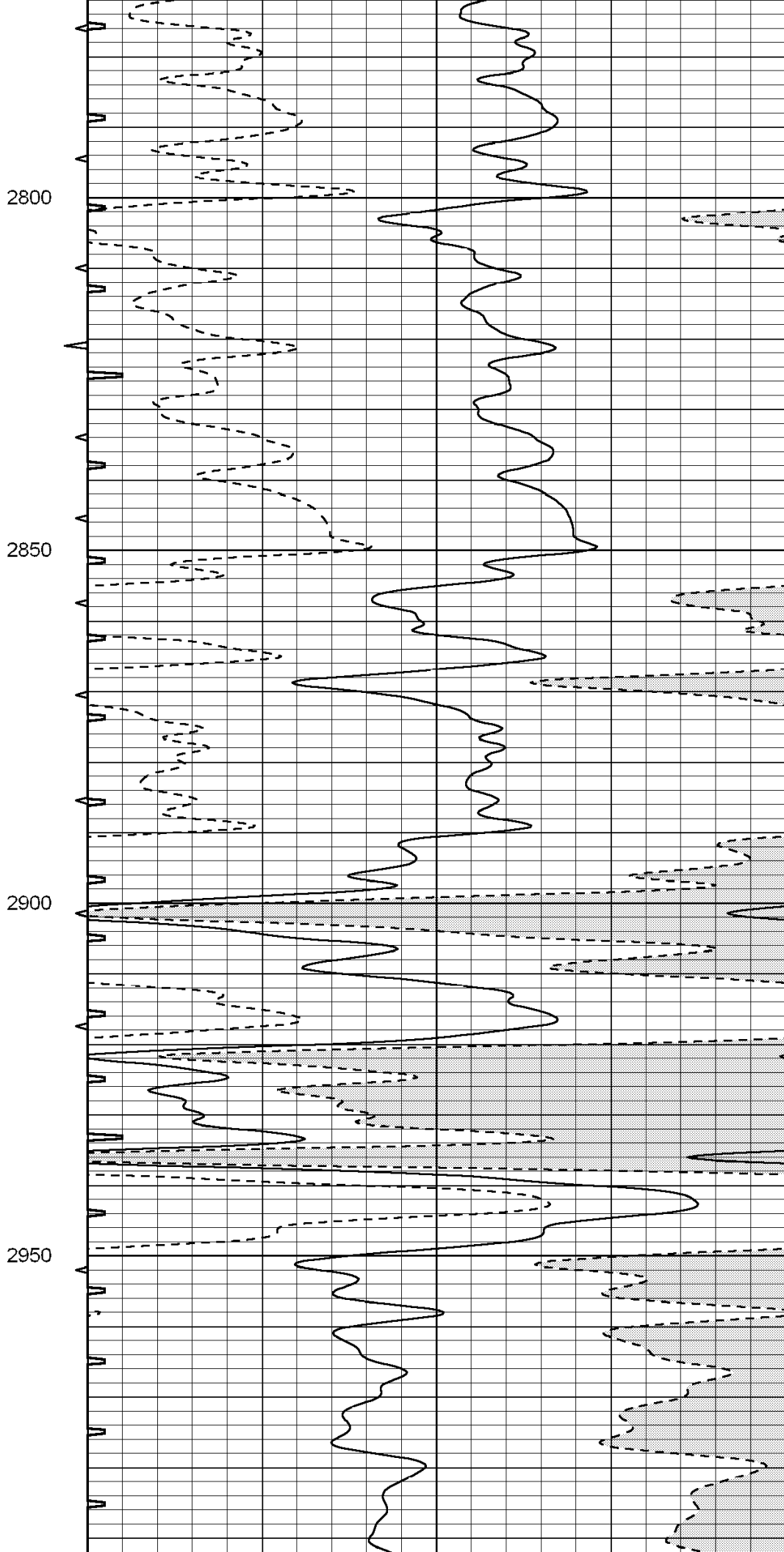
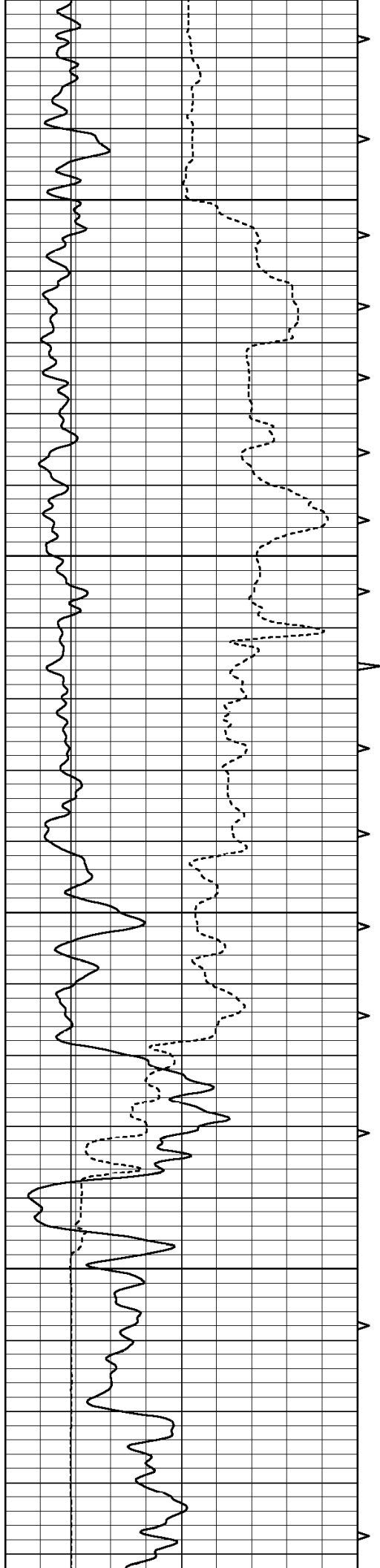
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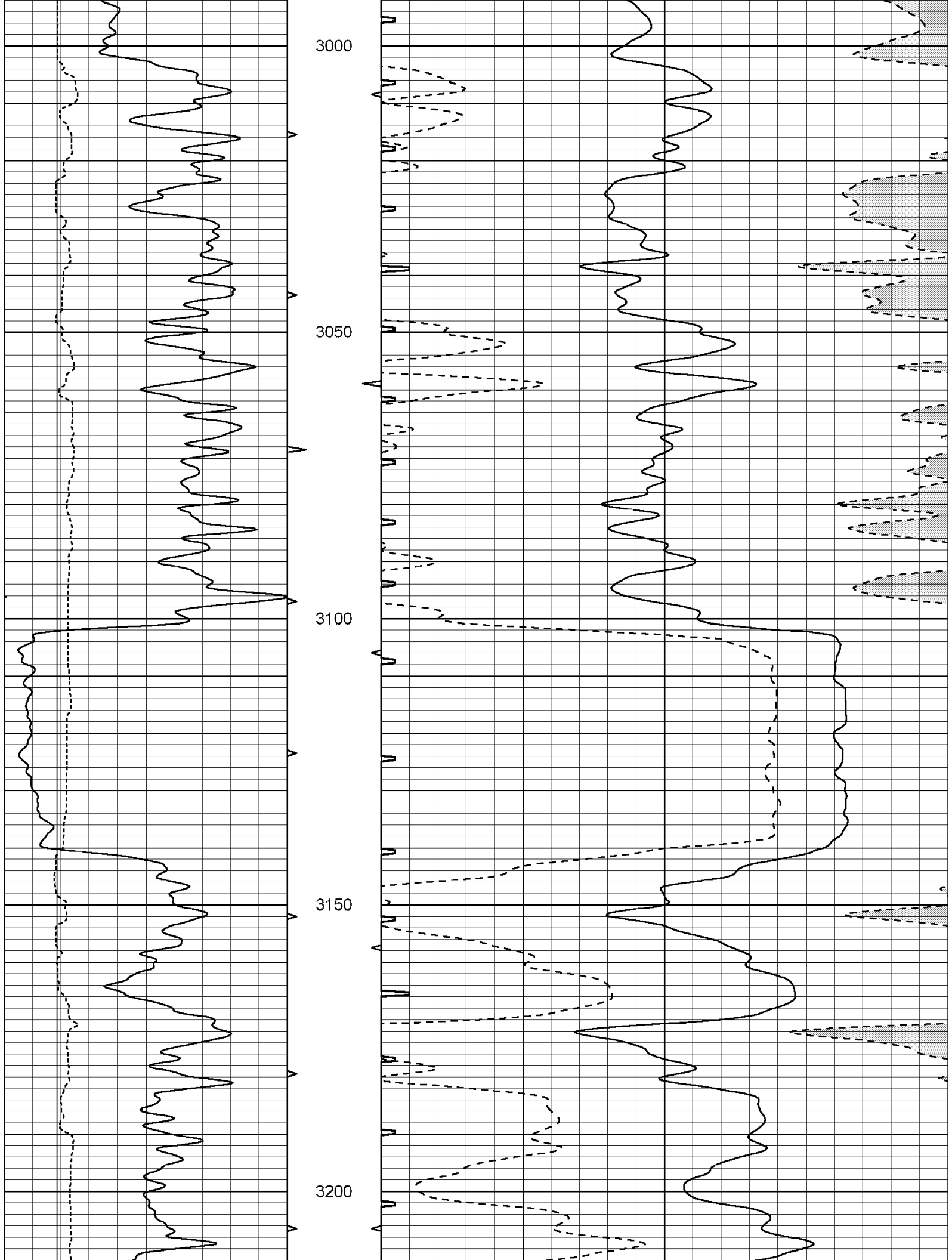
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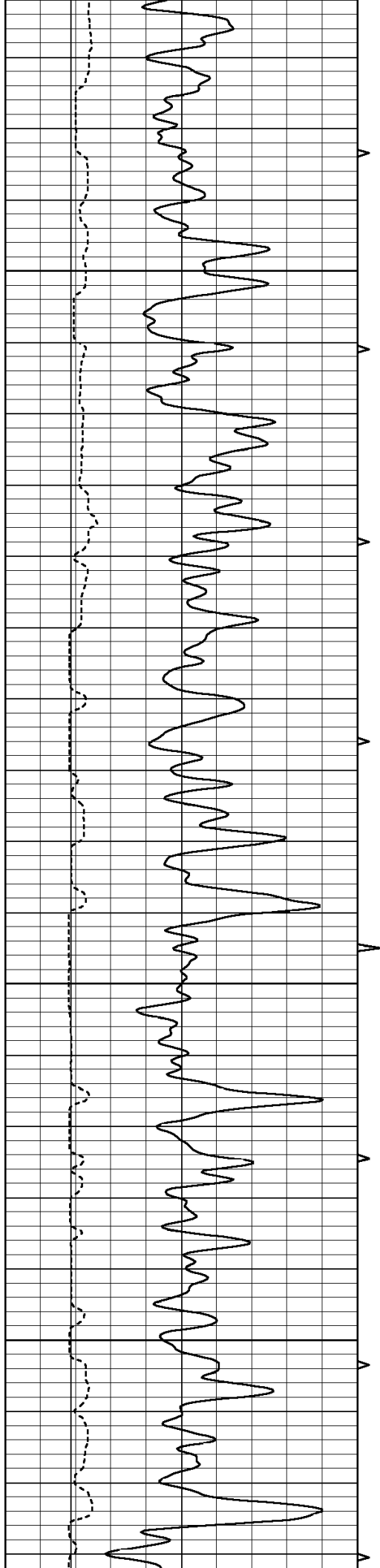
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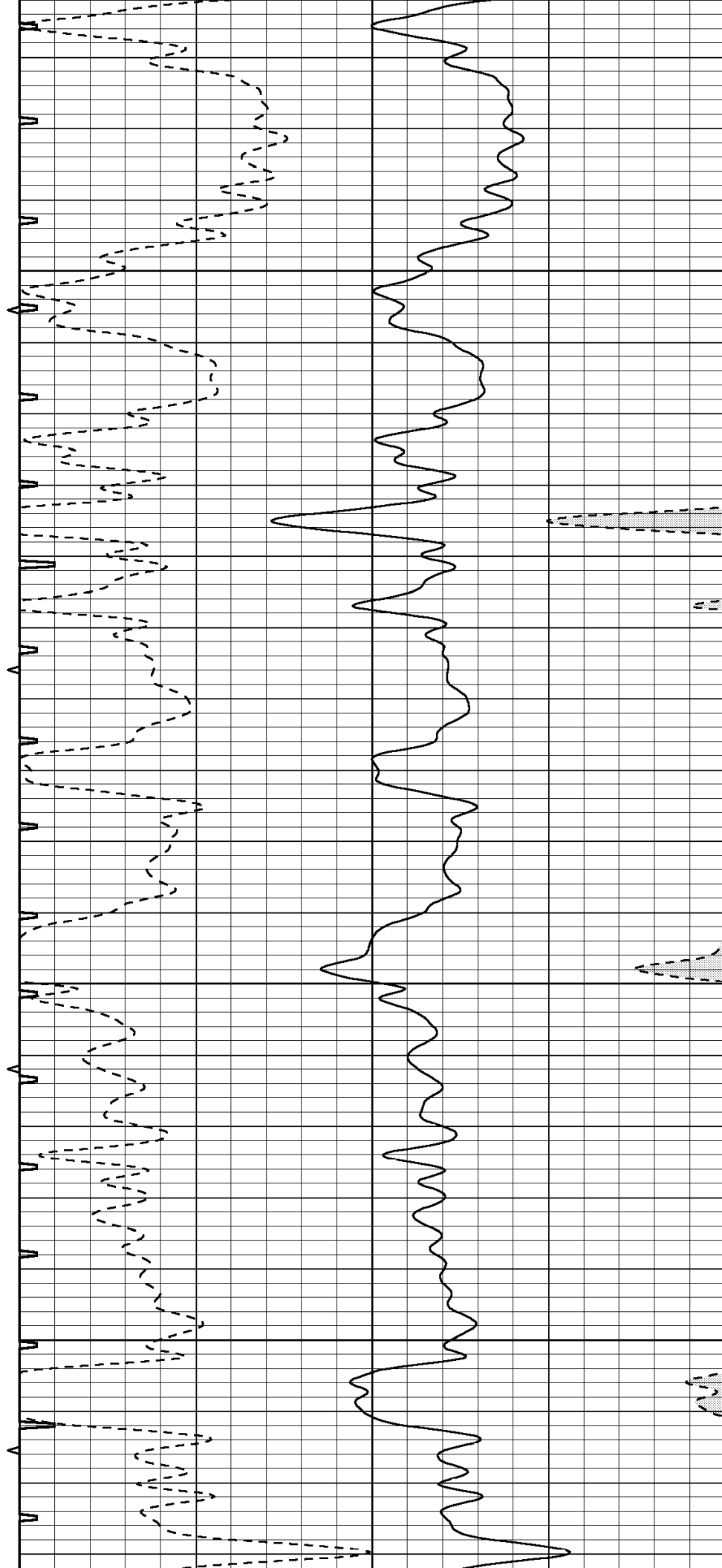


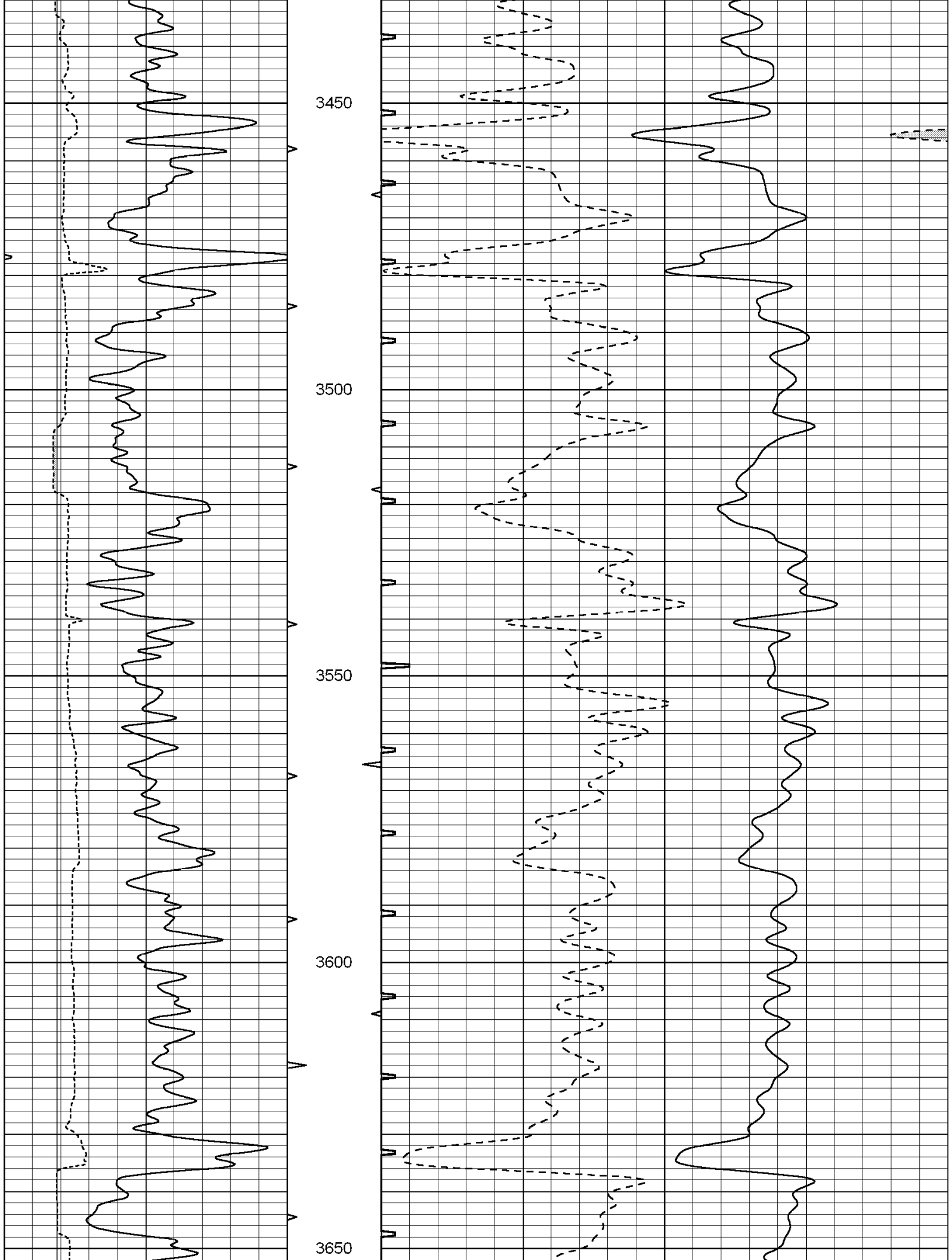
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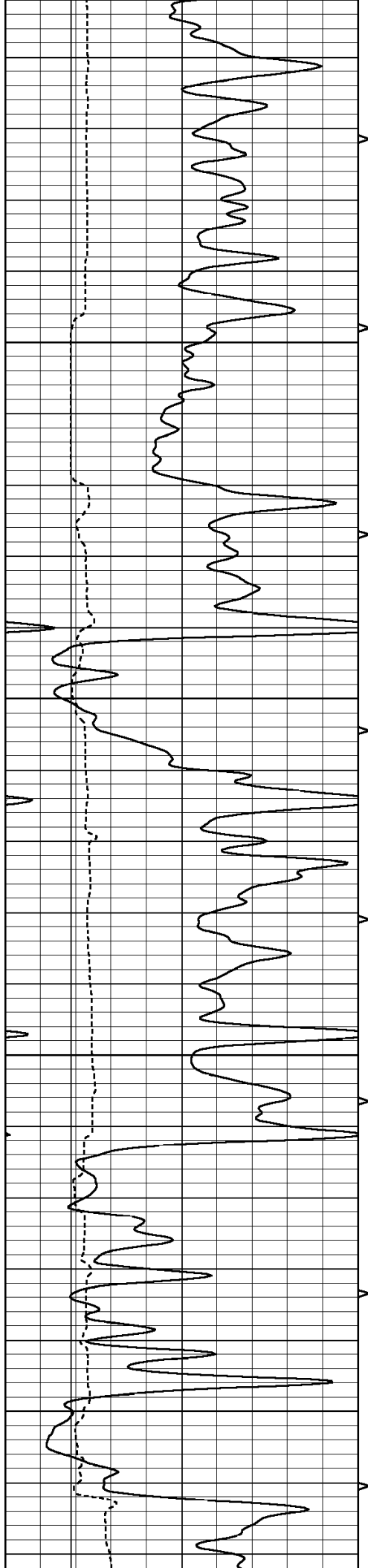
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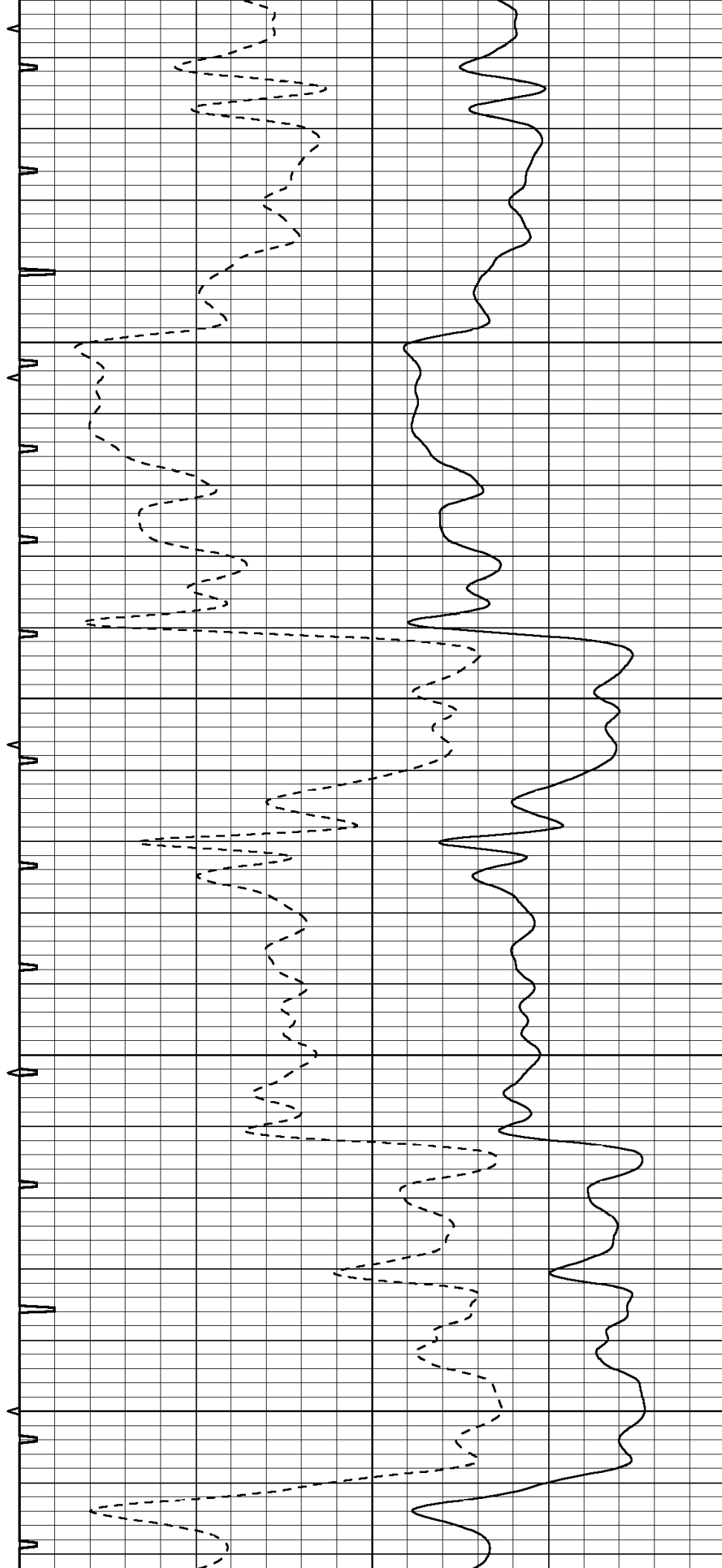


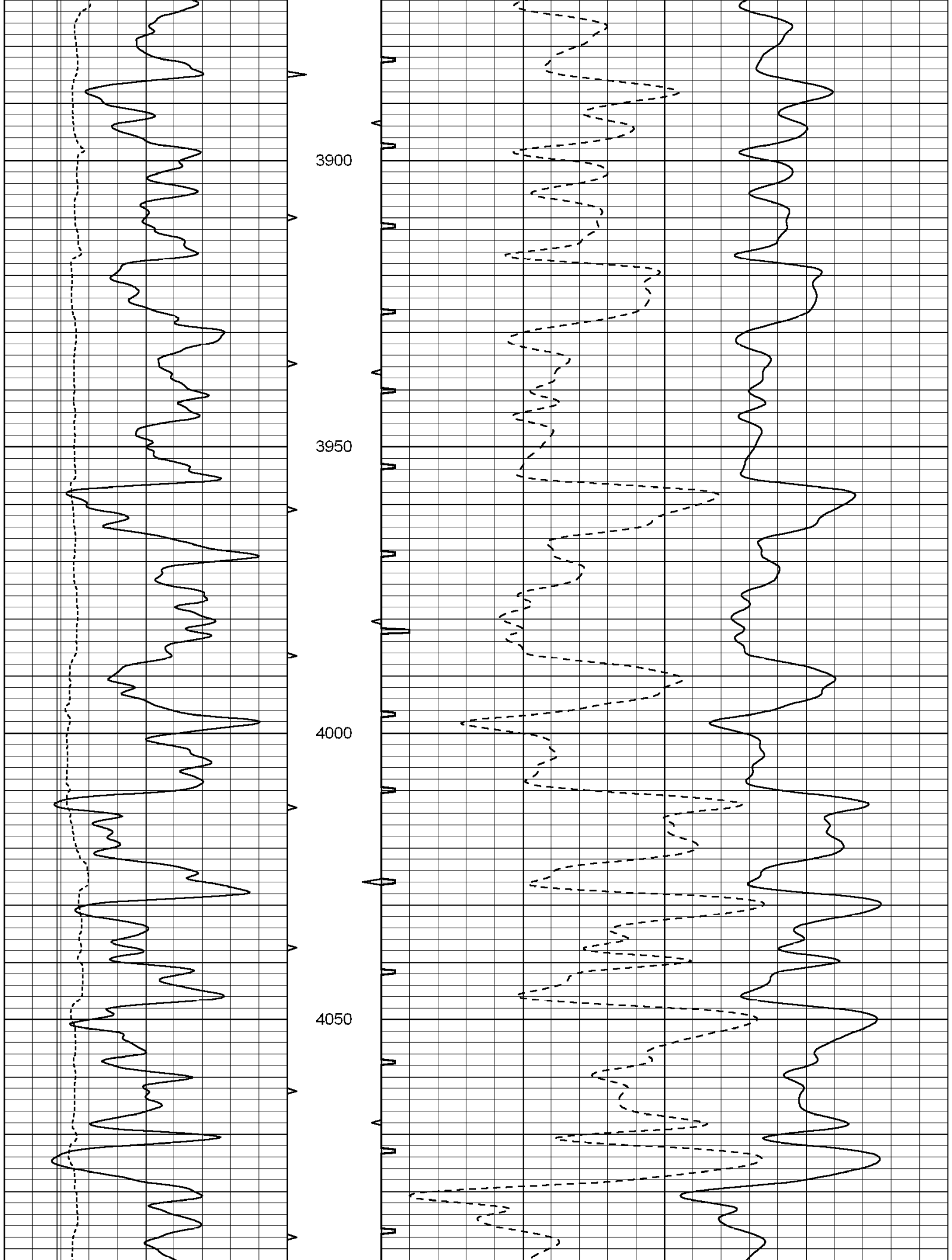
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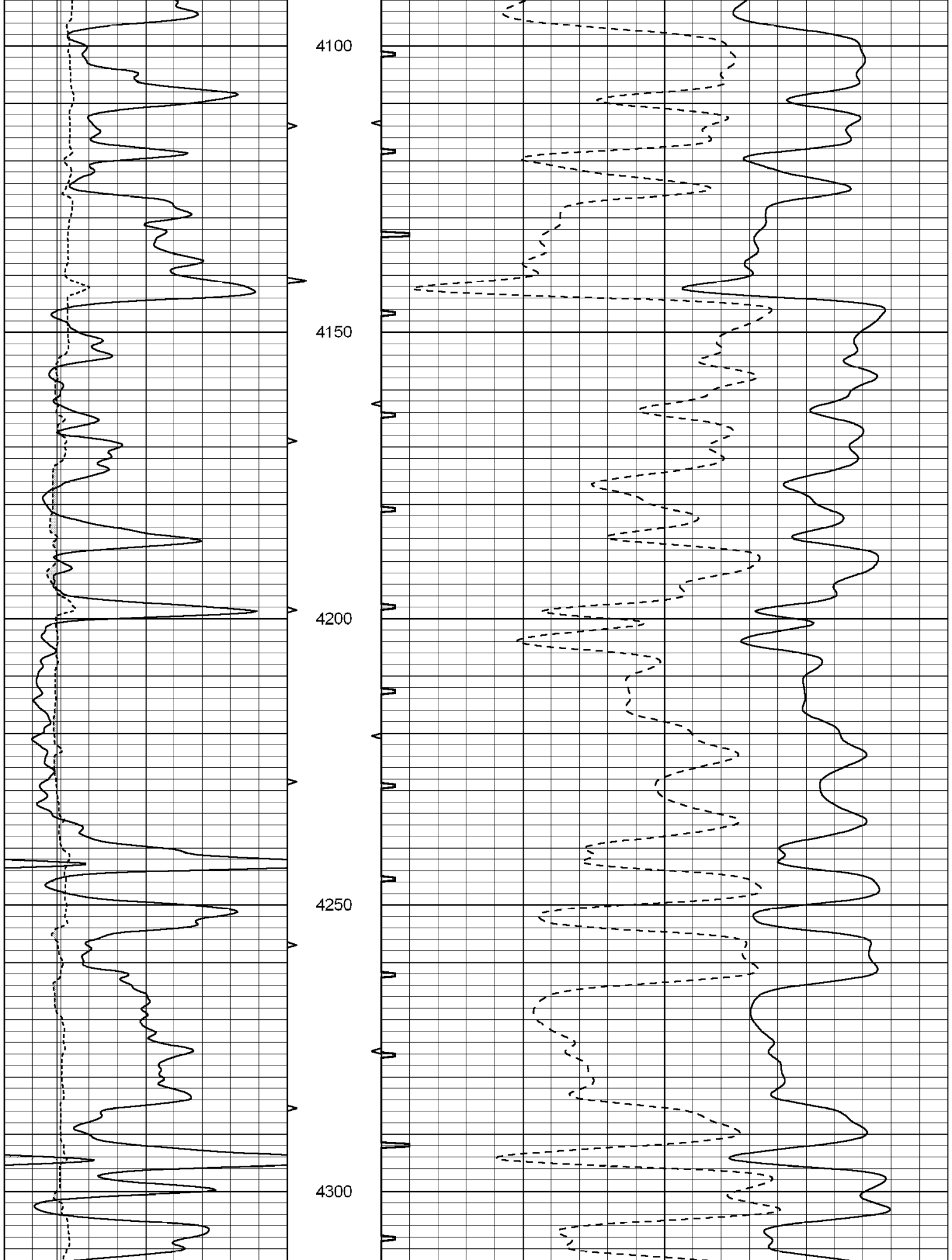
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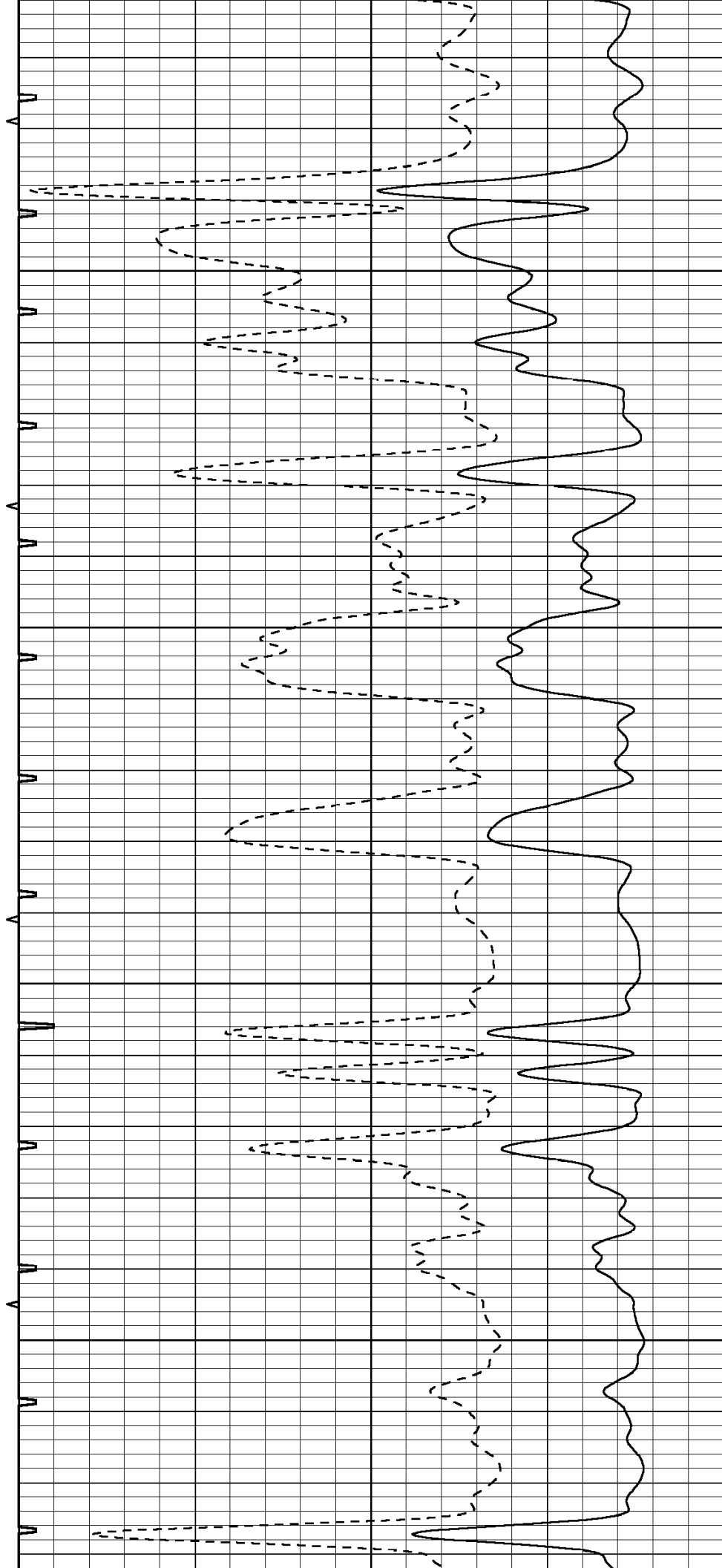
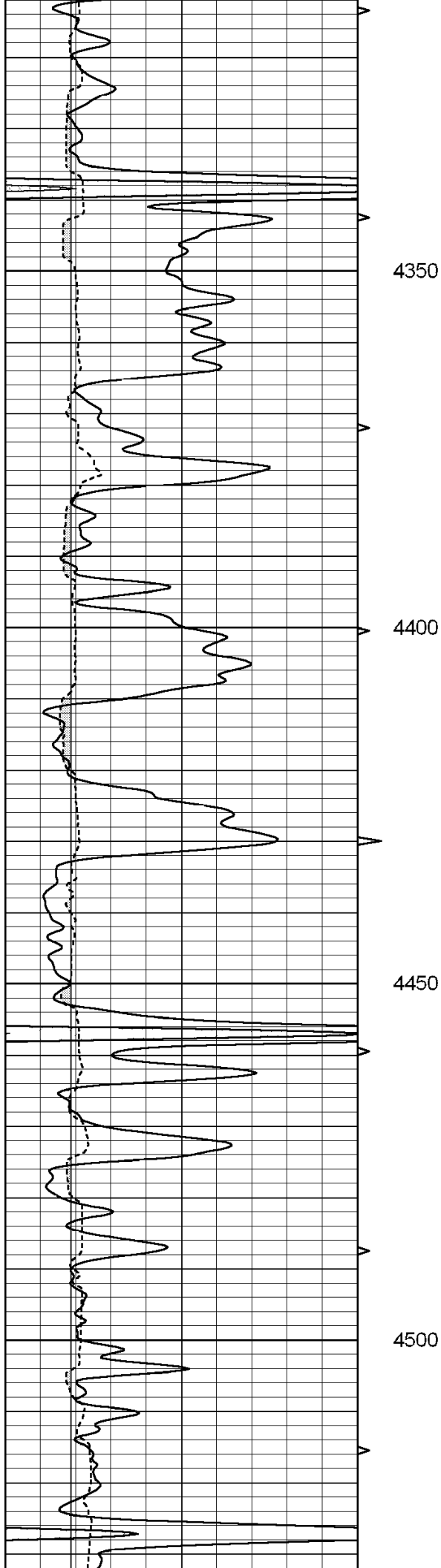
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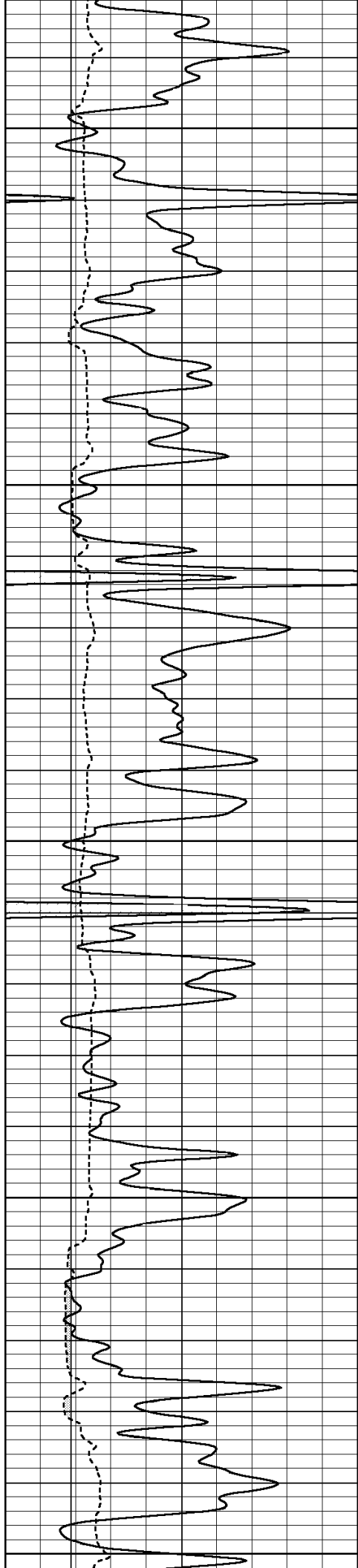
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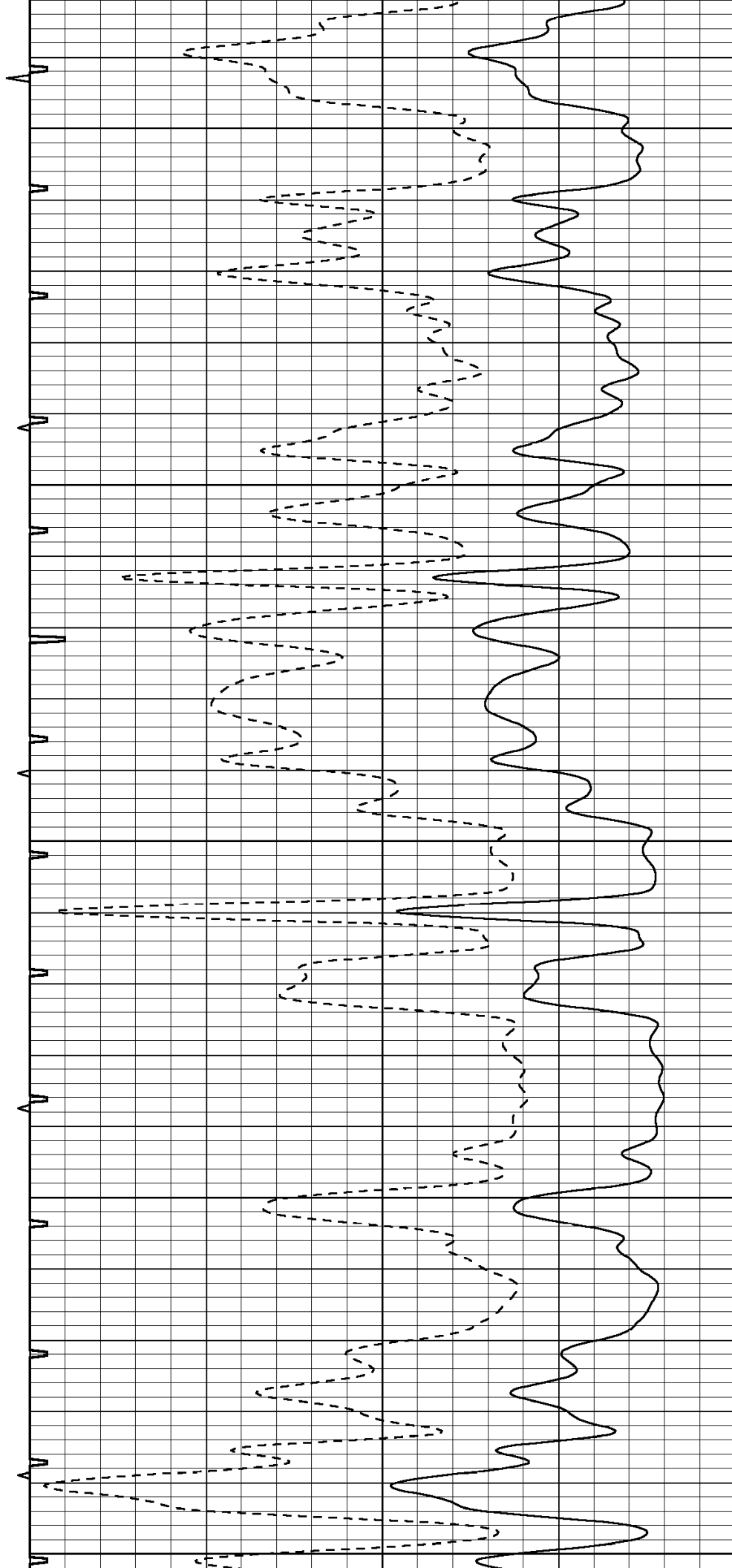
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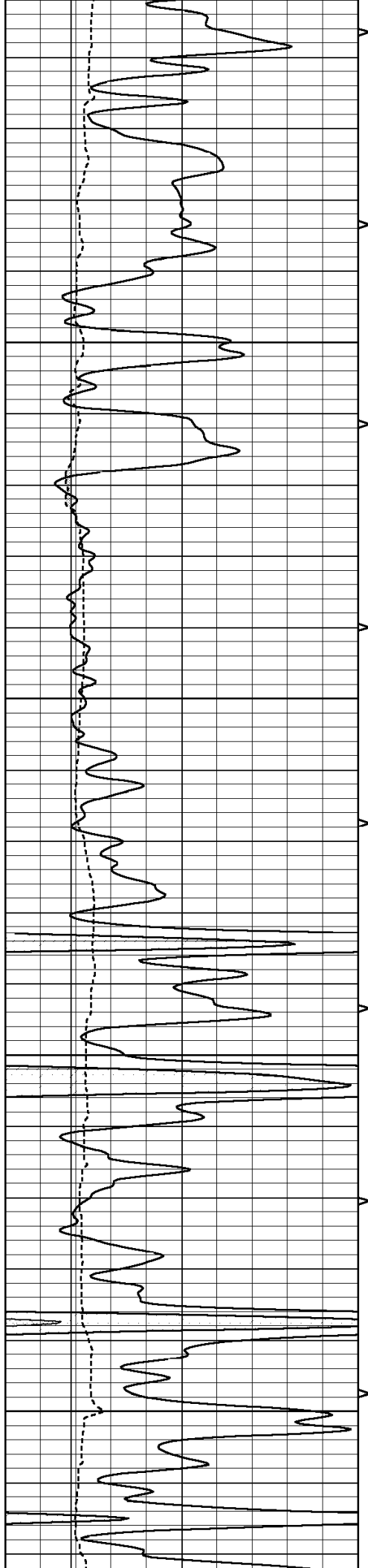
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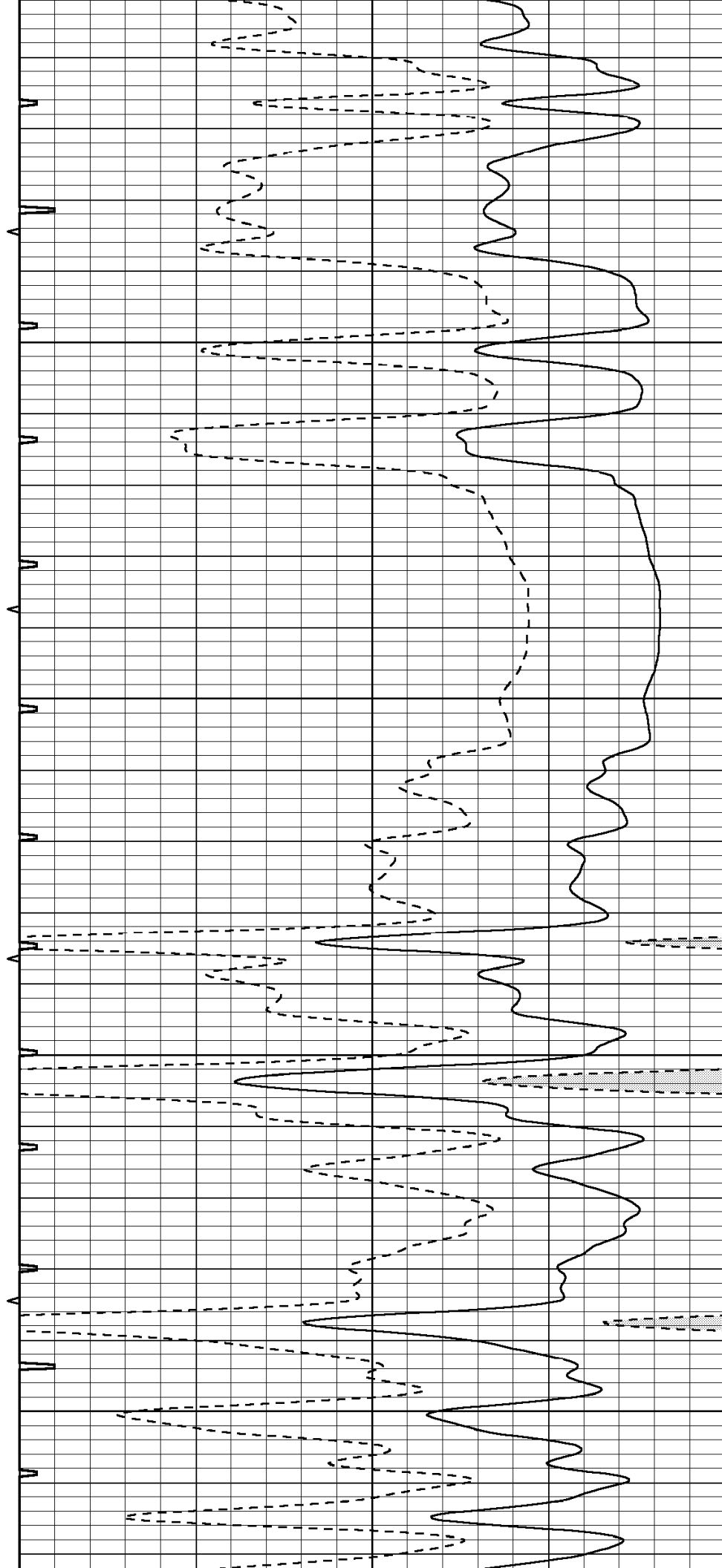


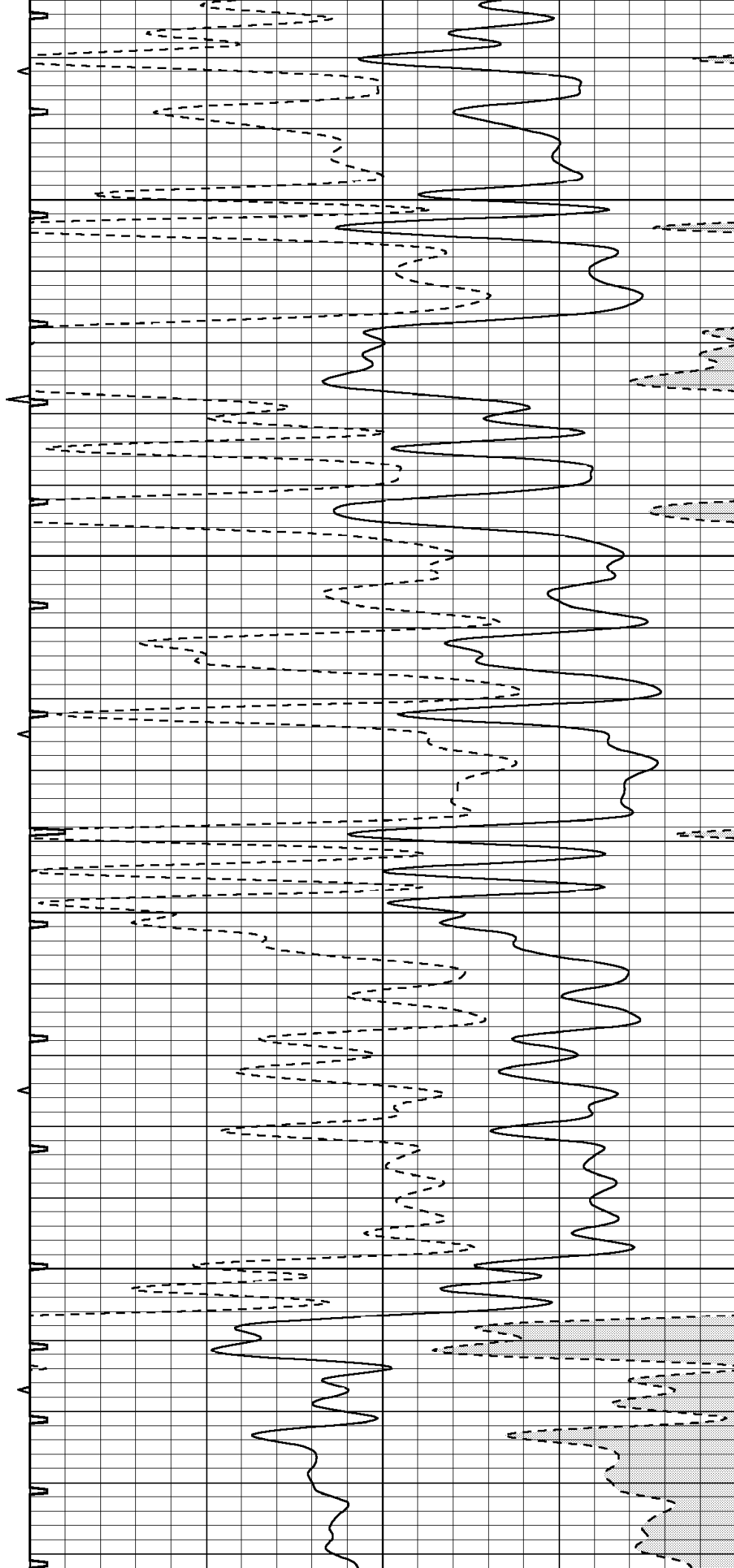
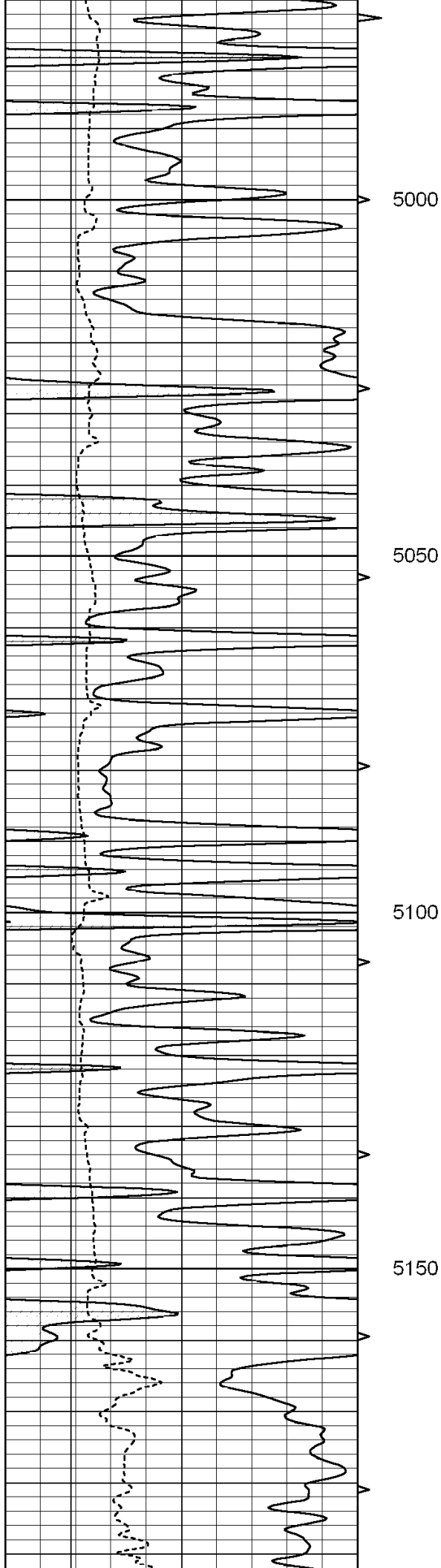
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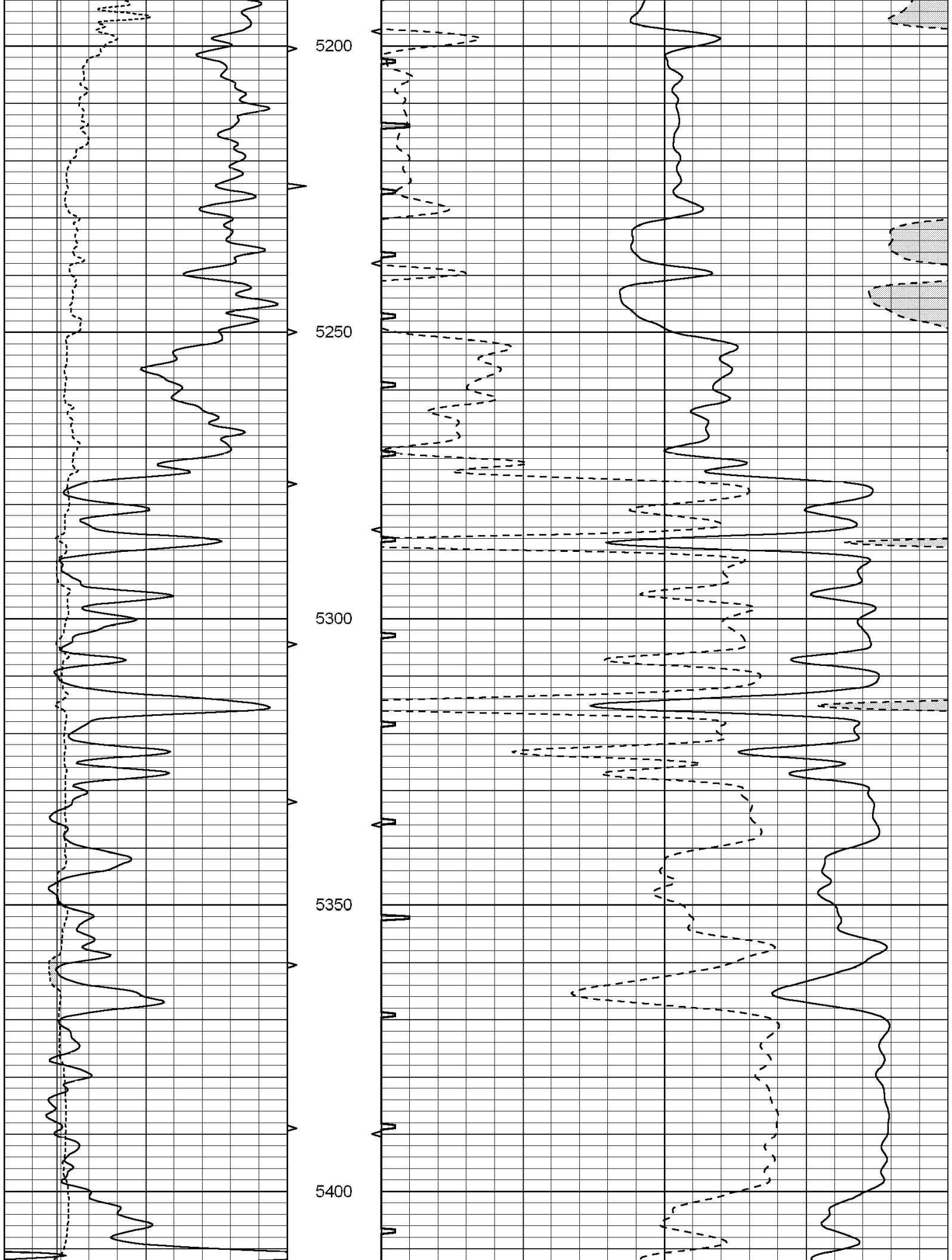
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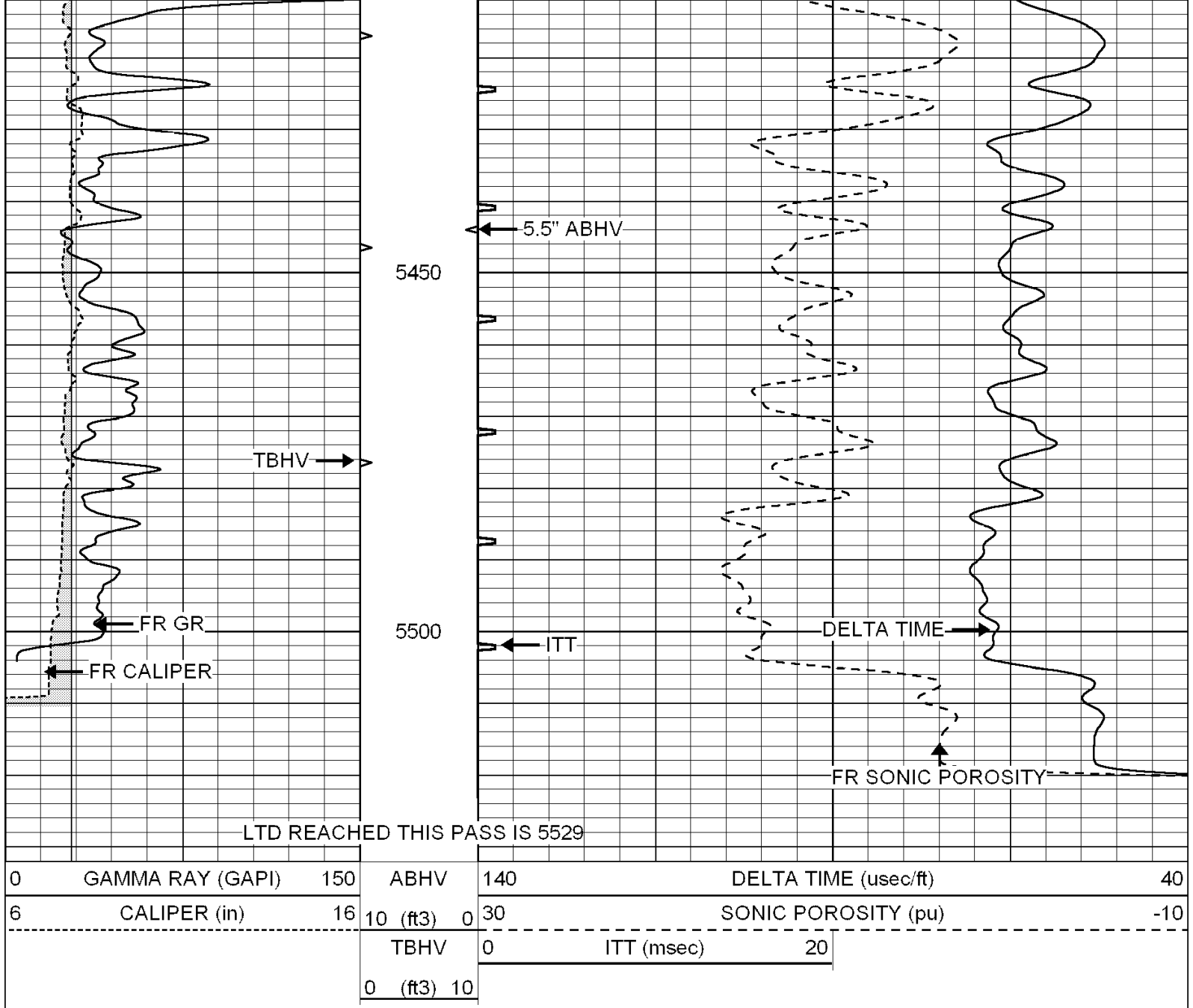
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LTD REACHED THIS PASS IS 5529

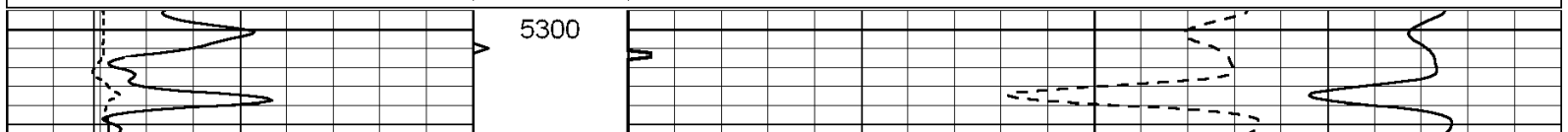


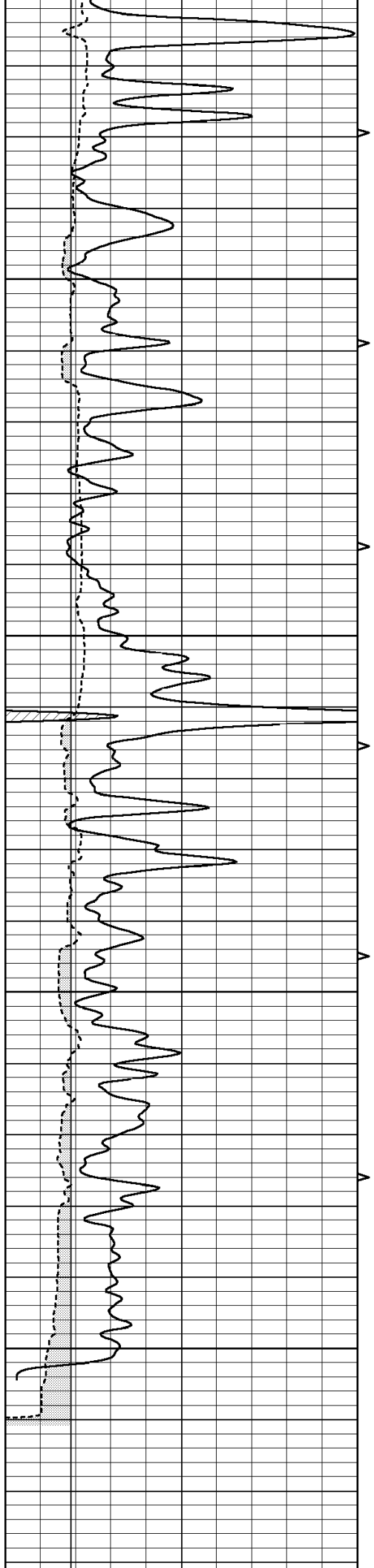
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REPEAT SECTION

Database File: 004355ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: slt
 Dataset Creation: Sat Oct 03 21:09:07 2009 by Calc Open-Cased 060407
 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)
			TBHV	0	ITT (msec)	20
			0 (ft3)	10		



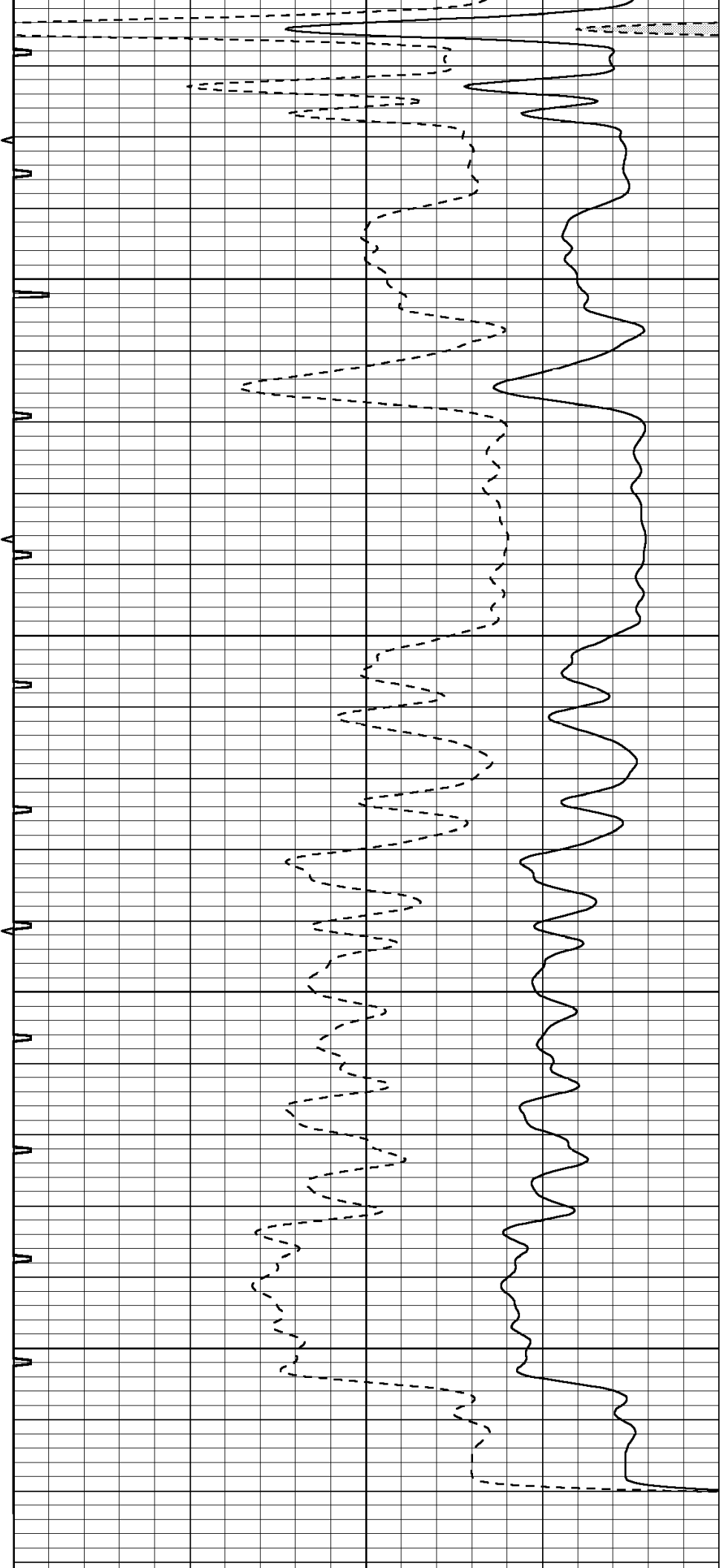


5350

5400

5450

5500



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