



**SUPERIOR**  
Hays,  
Kansas

**SONIC**  
LOG

Company OIL PRODUCERS INC. OF KANSAS  
Well HAWES RANCH #1B-14  
Field WILDCAT  
County FORD  
State KANSAS

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Well HAWES RANCH #1B-14  
Field WILDCAT  
County FORD State KANSAS

Location: API # : 15-057-20837-0000  
2309' FSL & 901' FWL  
SEC 14 TWP 28S RGE 23W  
Permanent Datum GROUND LEVEL Elevation 2423  
Log Measured From KELLY BUSHING 12' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
DIL/MEL  
Elevation  
K.B. 2435  
D.F. 2433  
G.L. 2423

Date	8/31/12		
Run Number	TWO		
Depth Driller	5276		
Depth Logger	5256		
Bottom Logged Interval	5244		
Top Log Interval	700		
Casing Driller	8 5/8" @ 742'		
Casing Logger	742		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,000 PPM	
Density / Viscosity	9.0/47		
pH / Fluid Loss	9.0/11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.450 @ 95F		
Rmt @ Meas. Temp	.338 @ 95F		
Rmc @ Meas. Temp	.540 @ 95F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.338 @ 127F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	2:30 P.M.		
Maximum Recorded Temperature	127F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAUL GERLACH		

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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  
FORD, KS., 2W. ON "SADDLE RD.", 2S., 1W., 1/2S., E. INTO

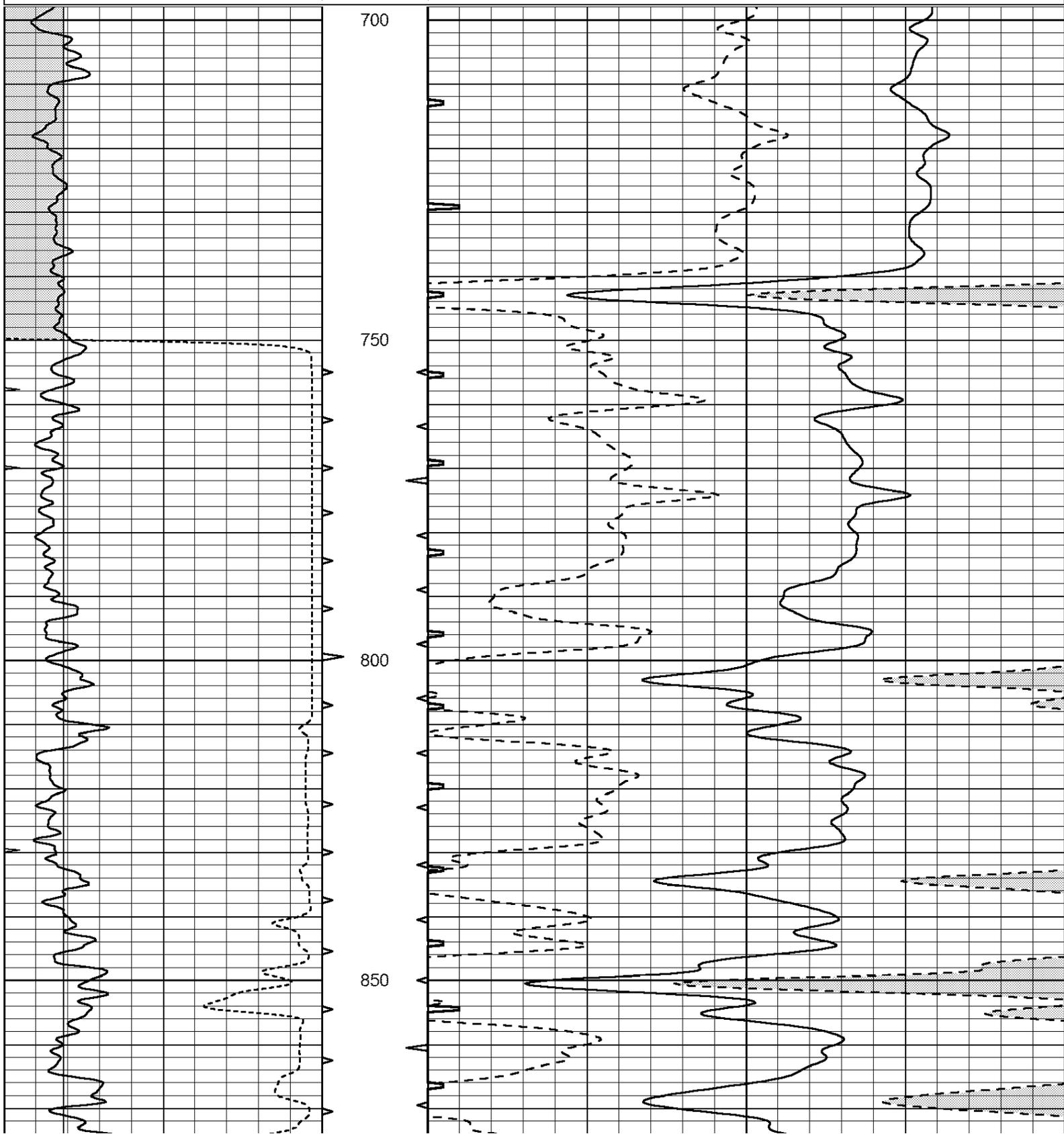


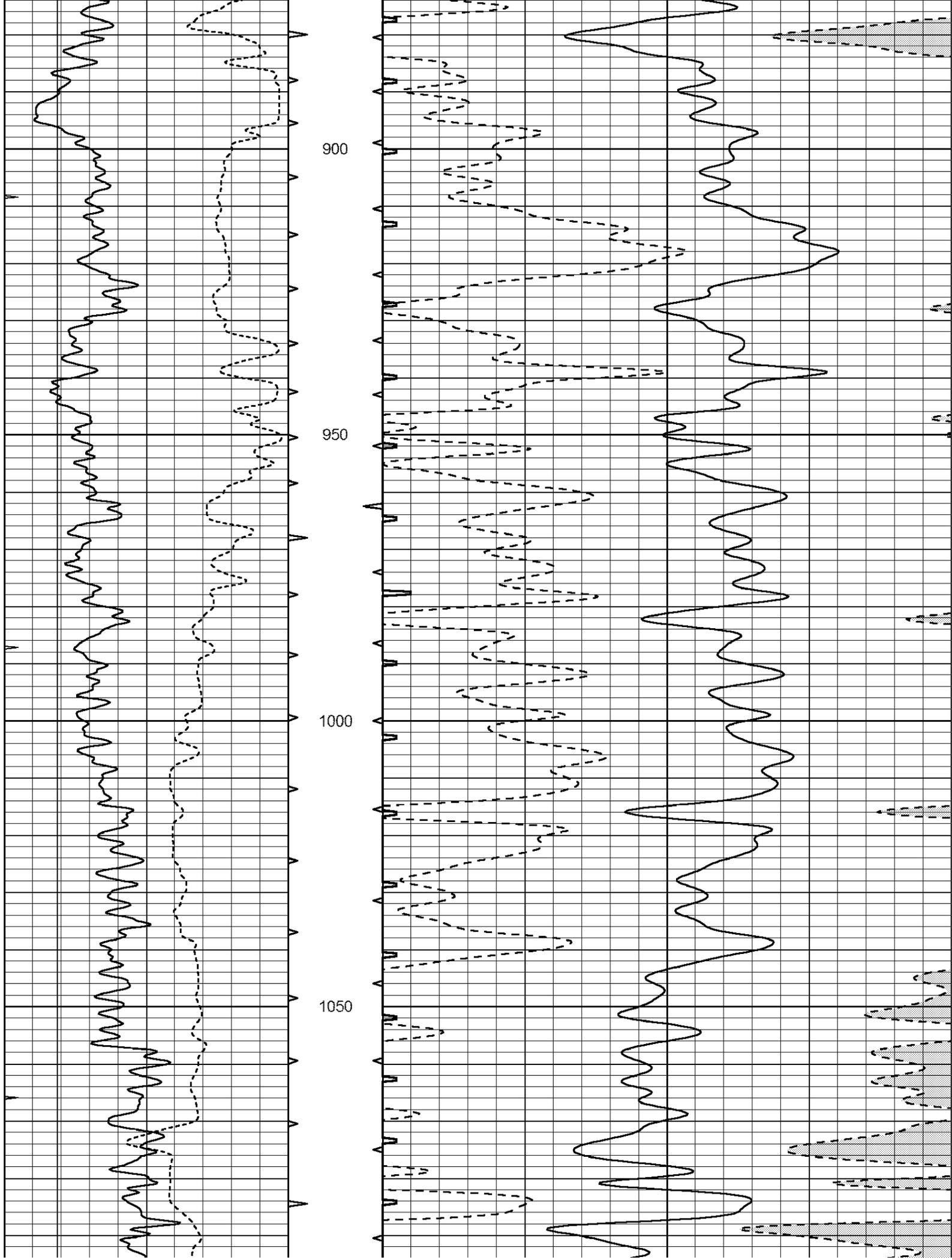
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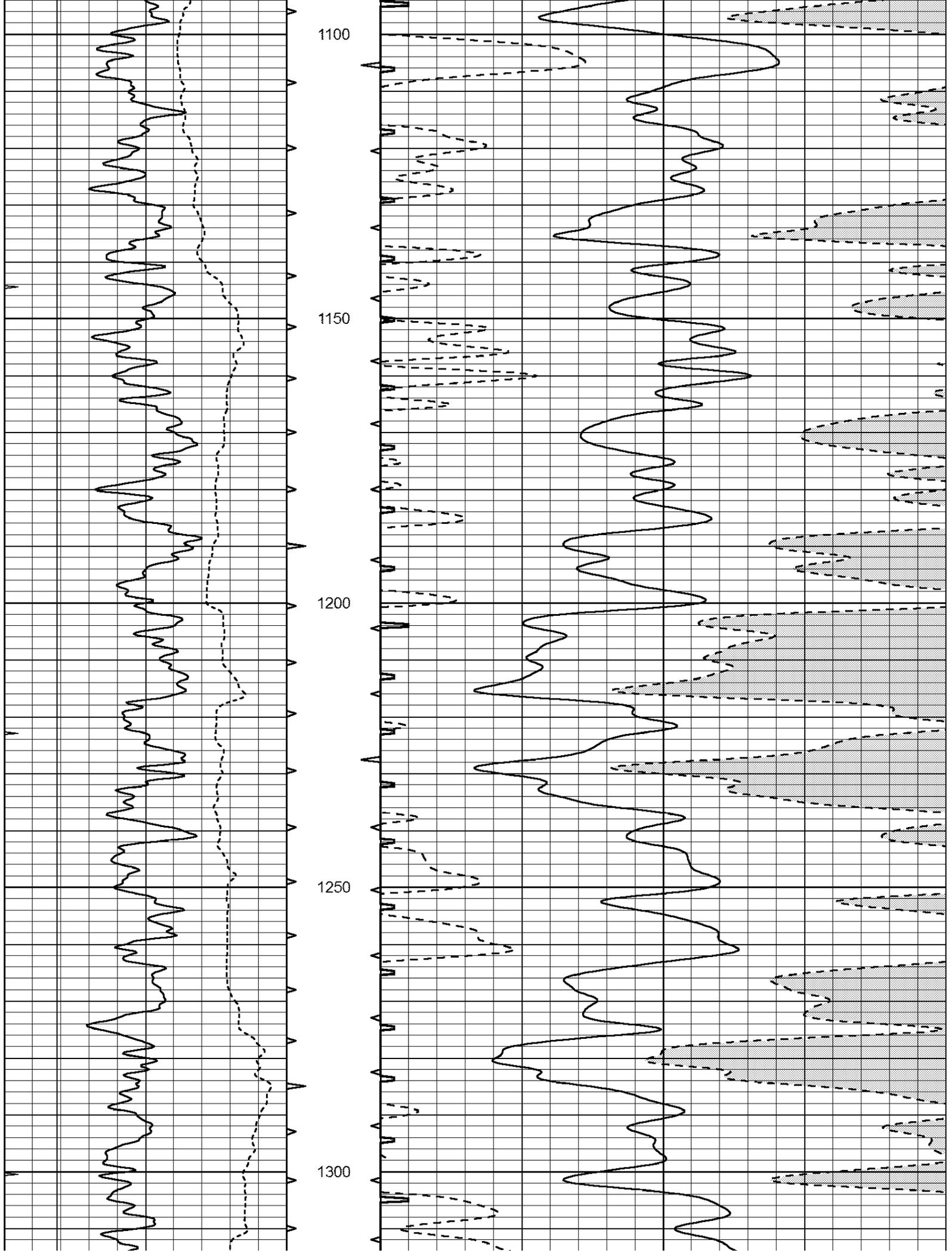
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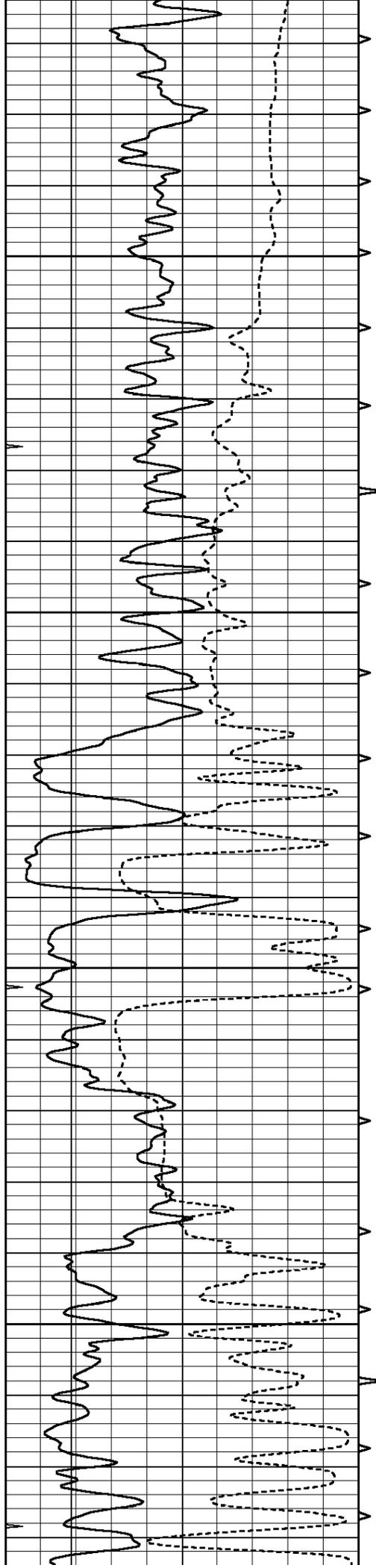
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 Charted by: Depth in Feet scaled 1:240

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			







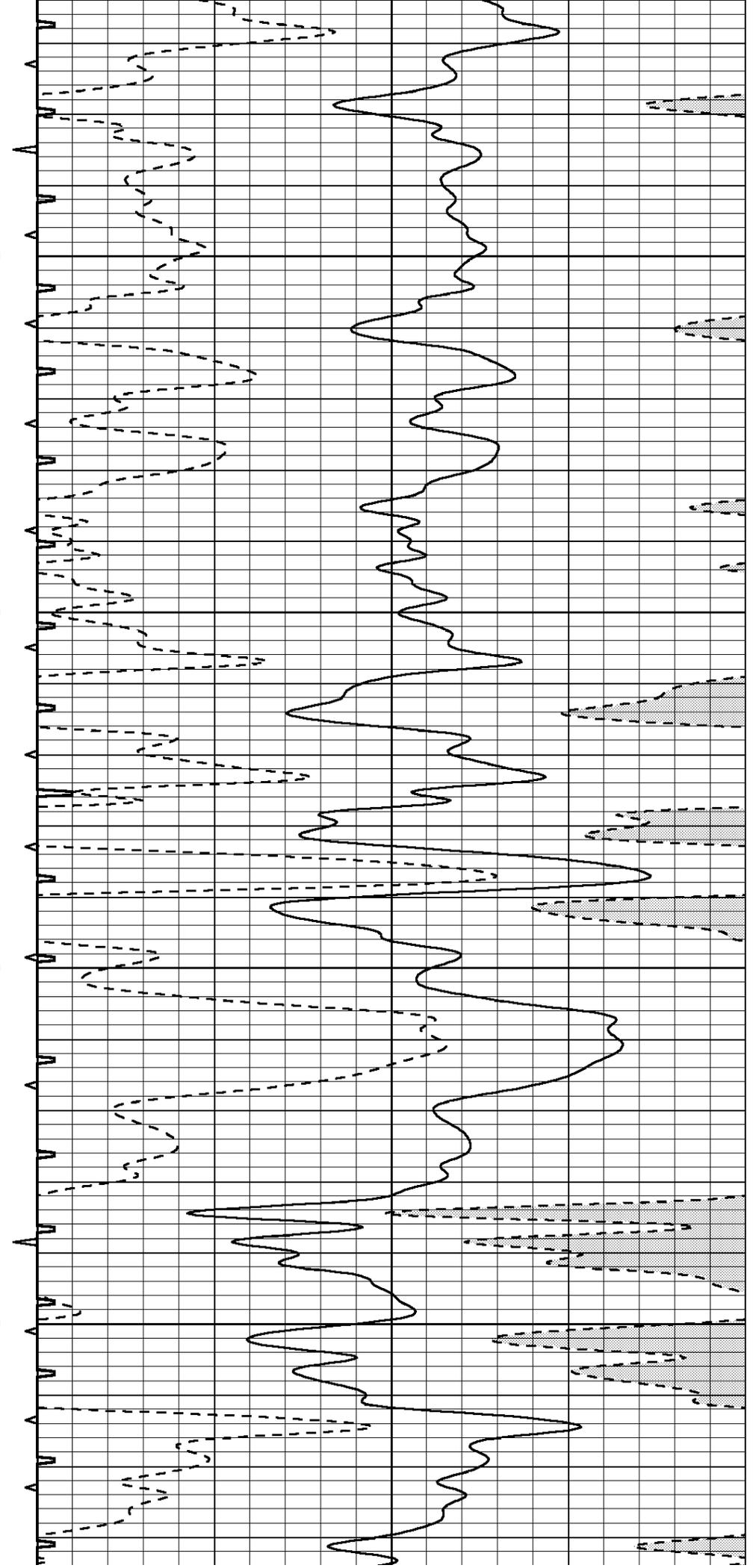


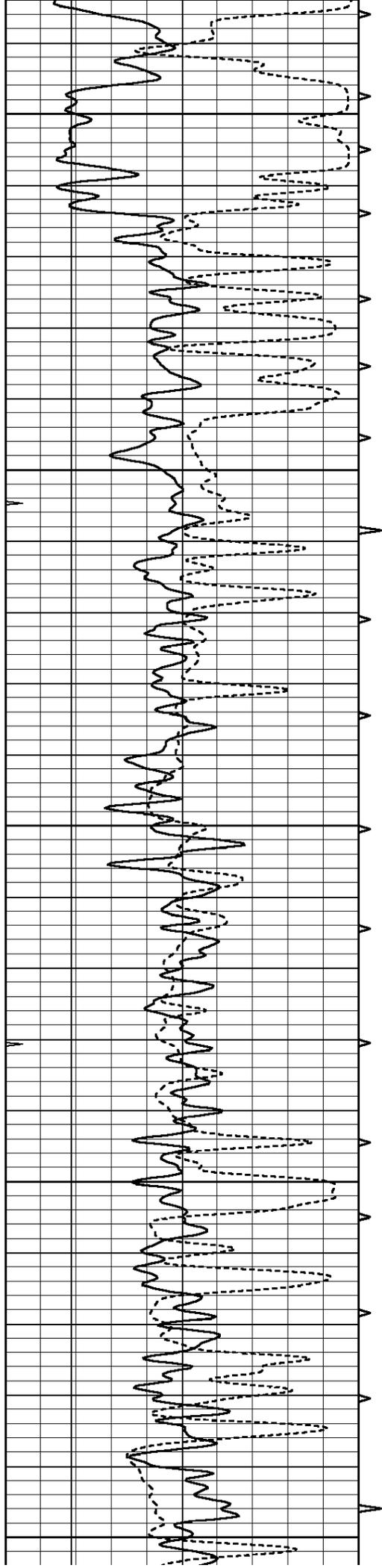
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1400

1450

1500





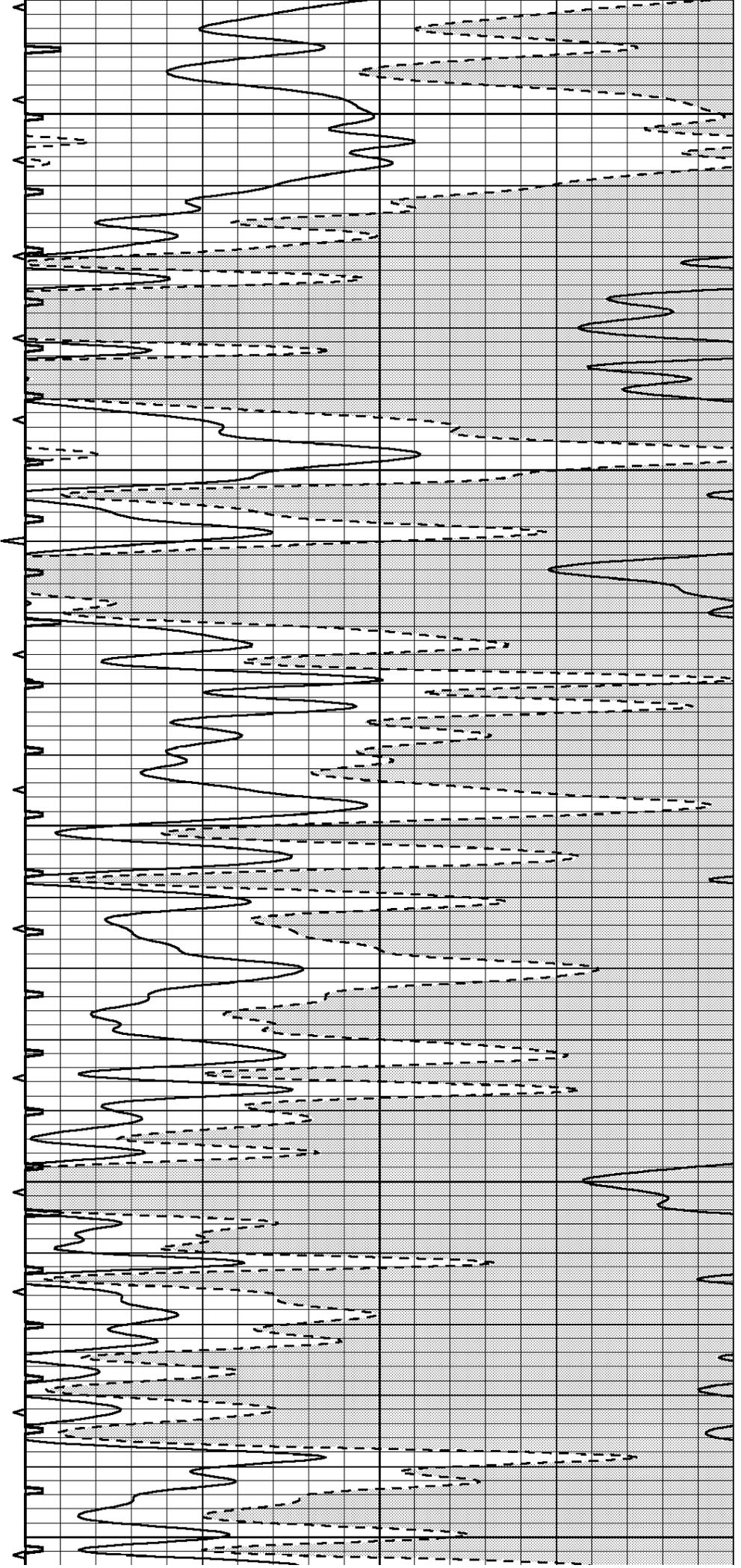
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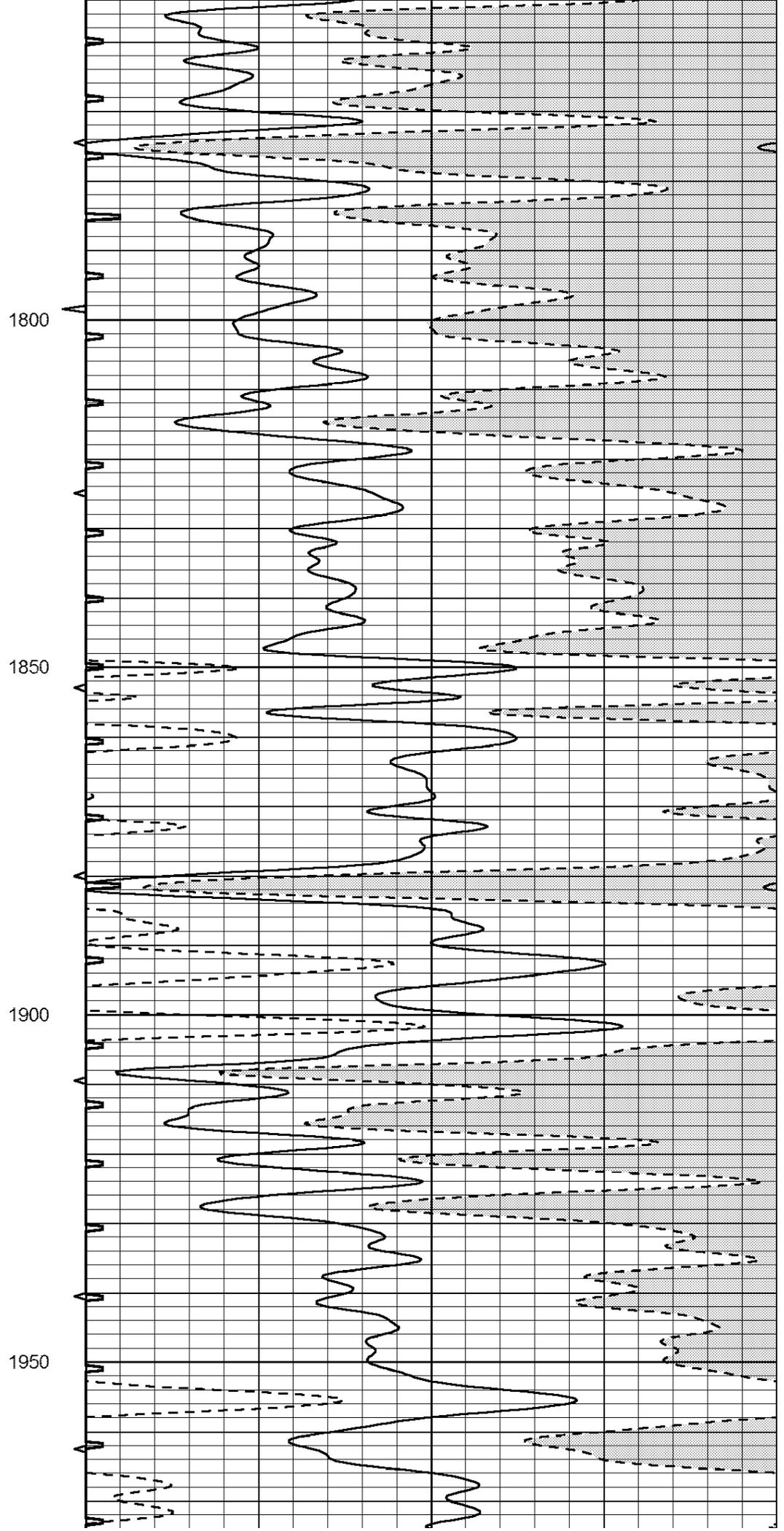
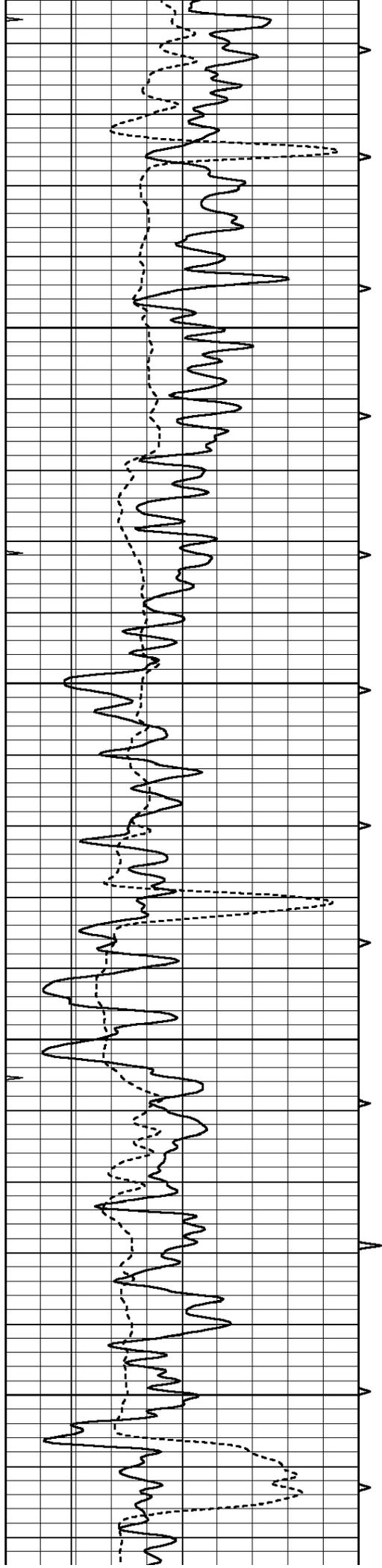
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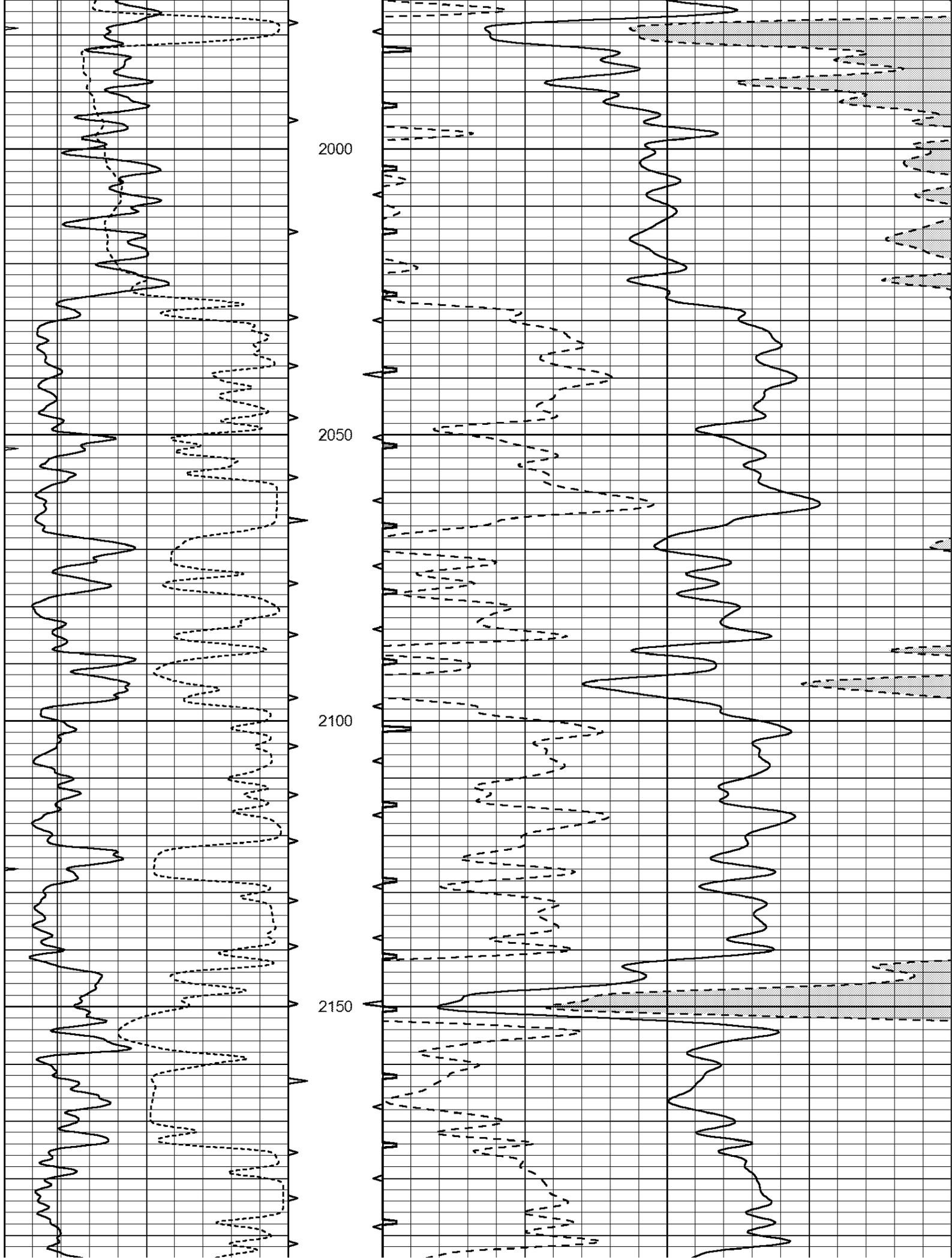
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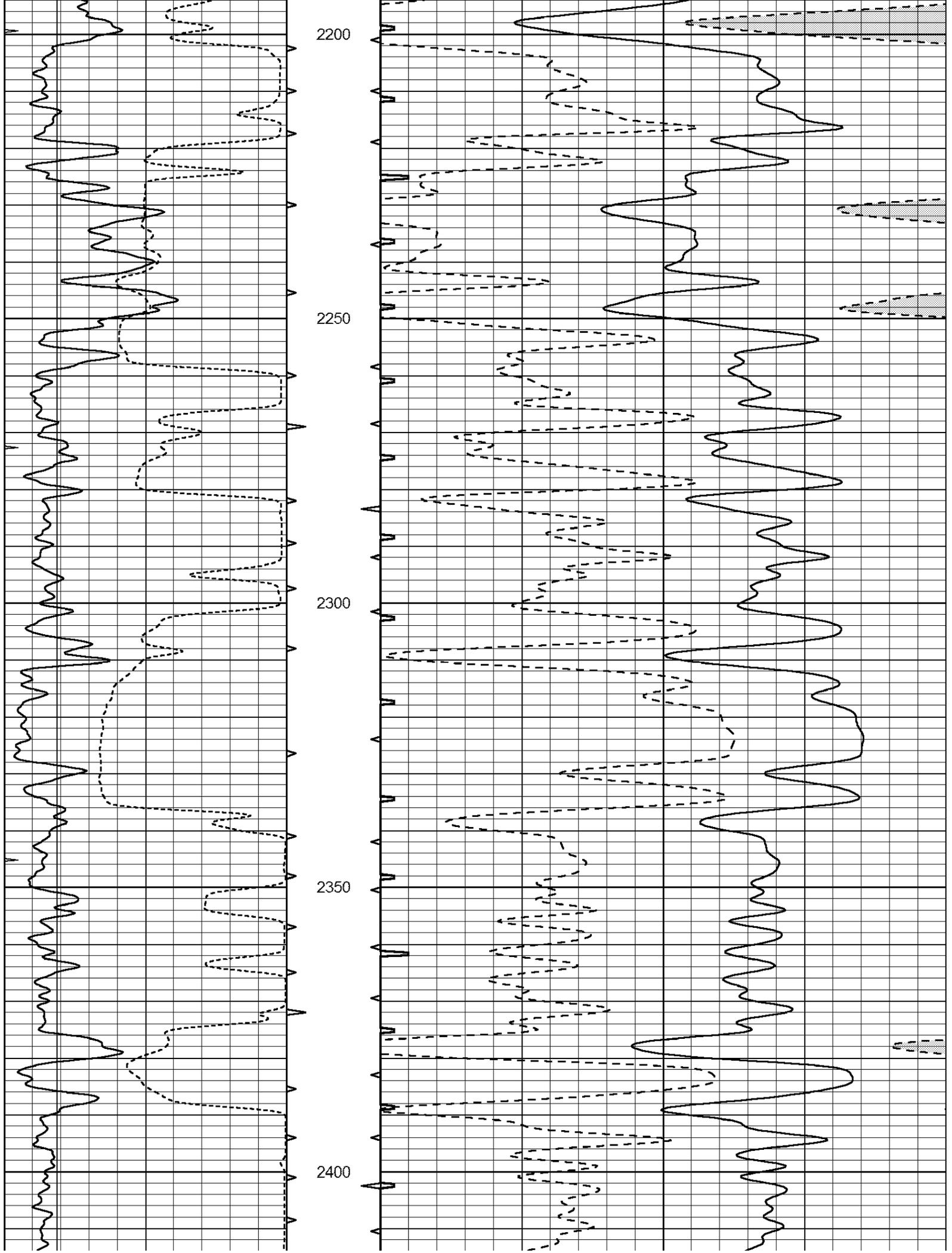
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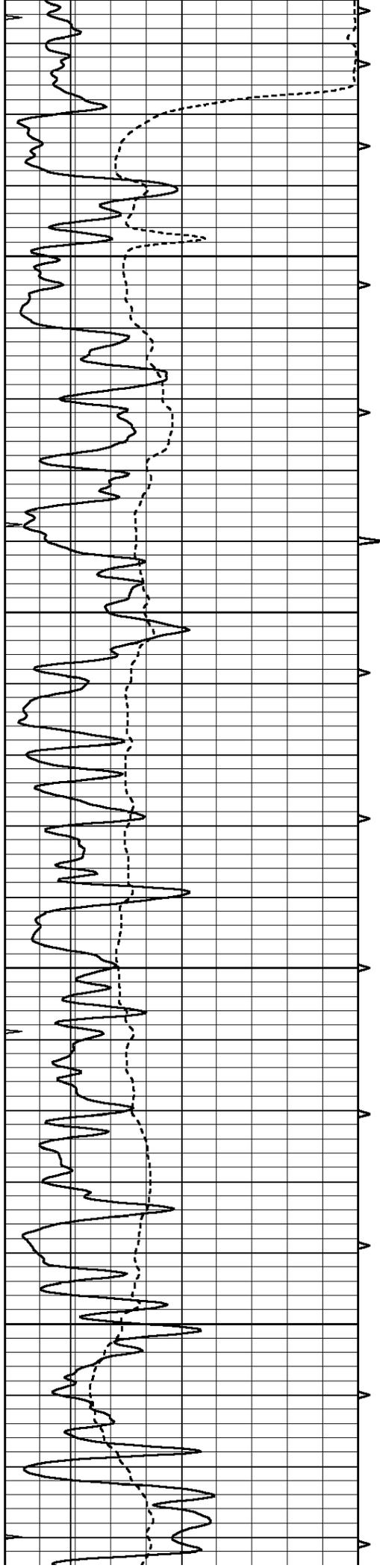
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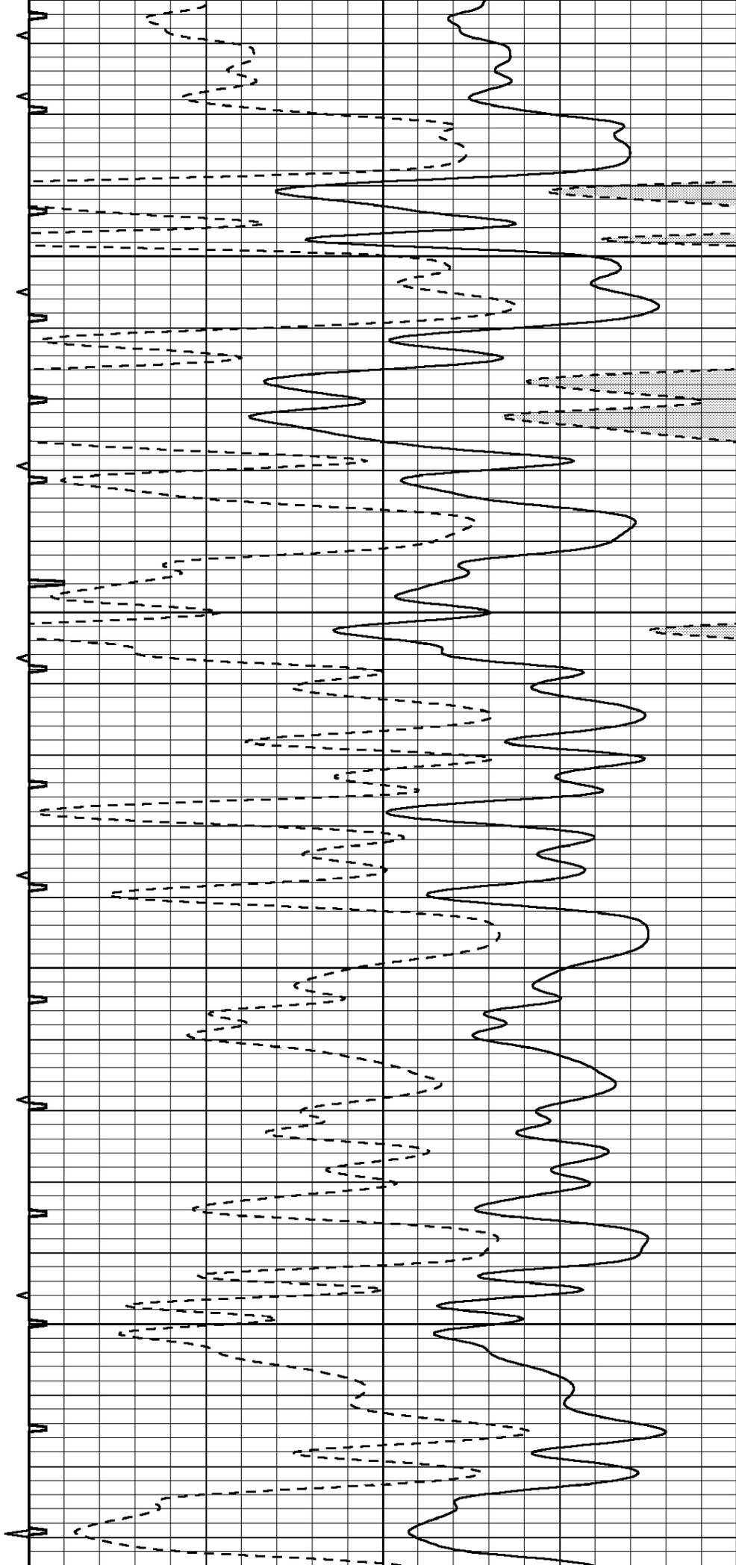


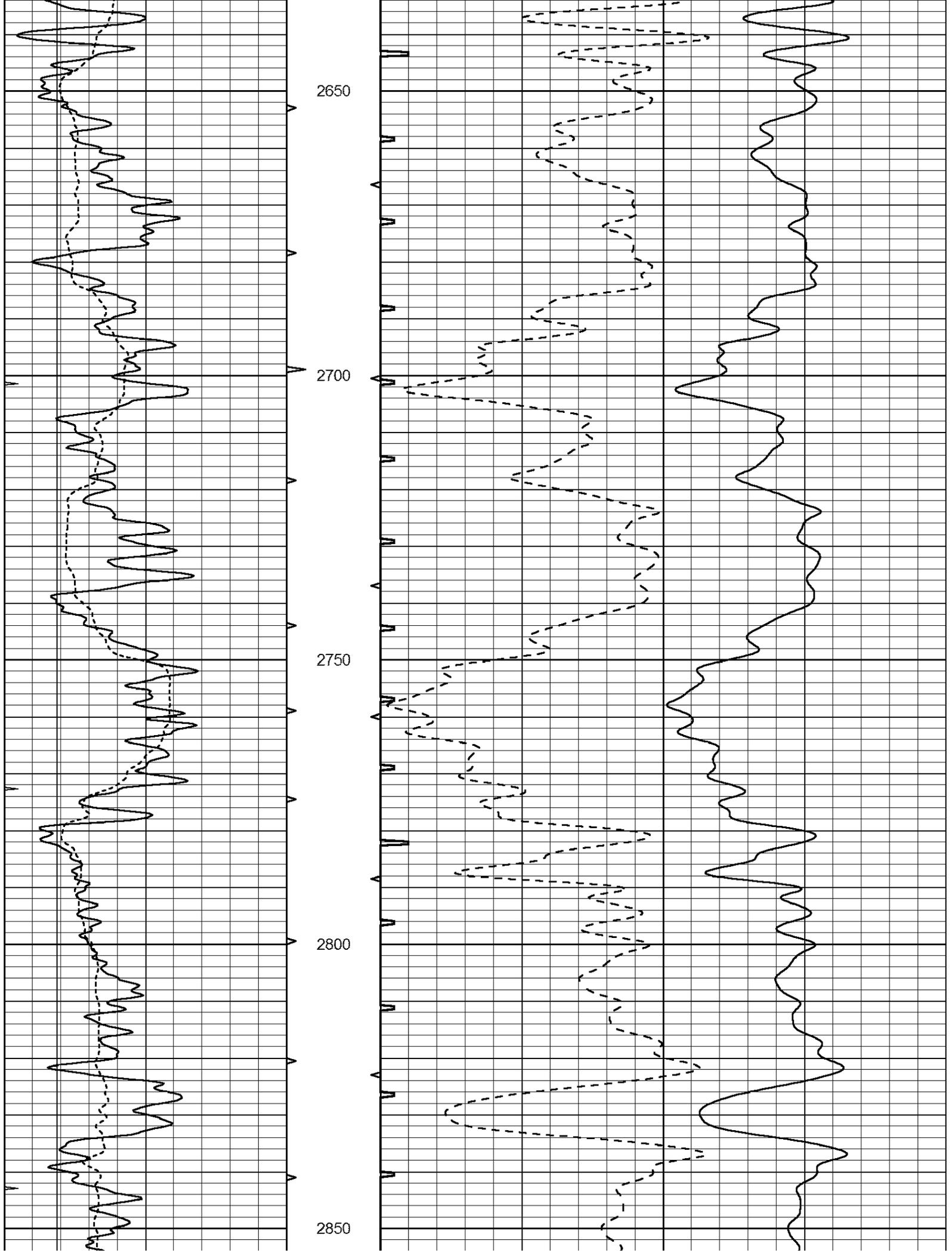
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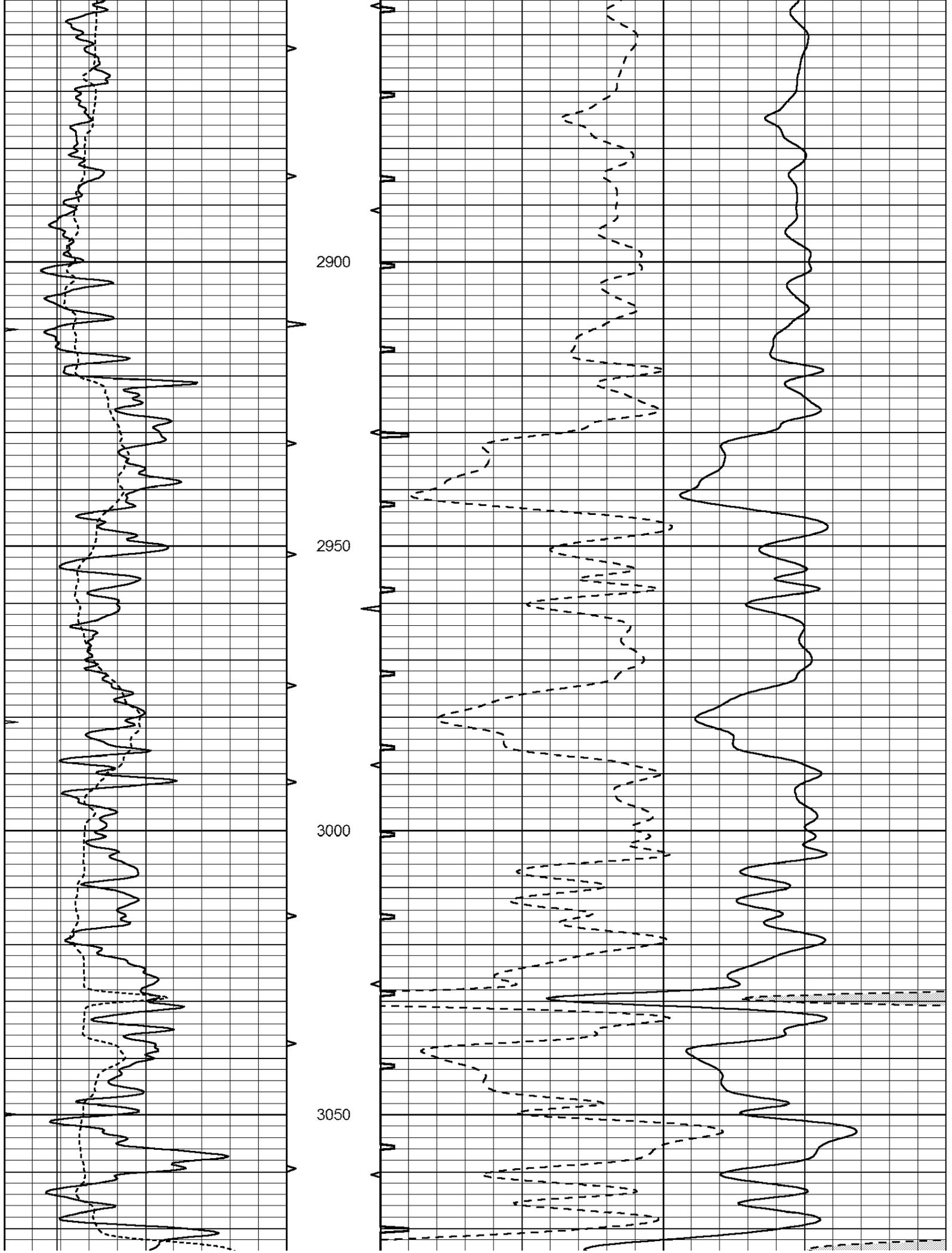
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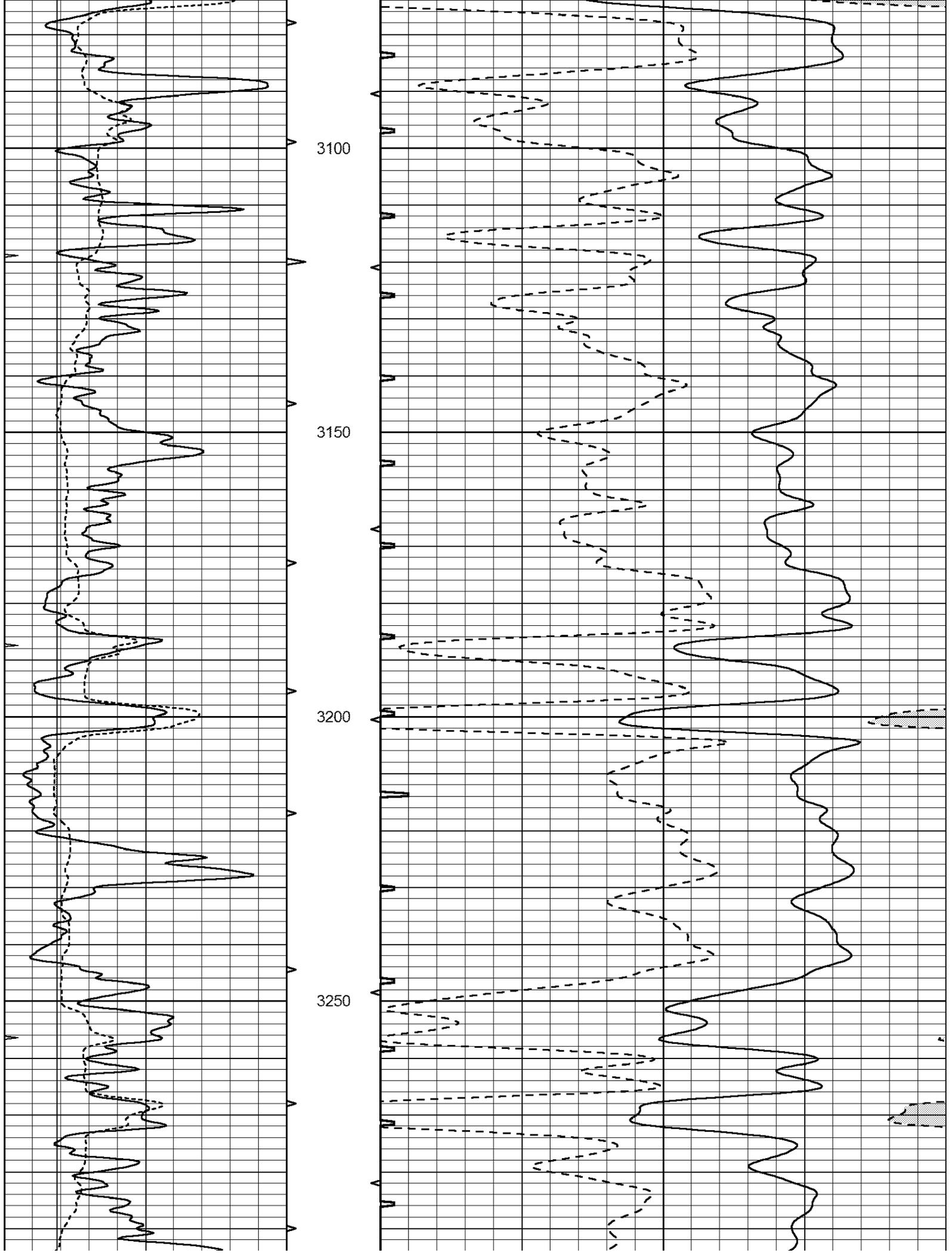
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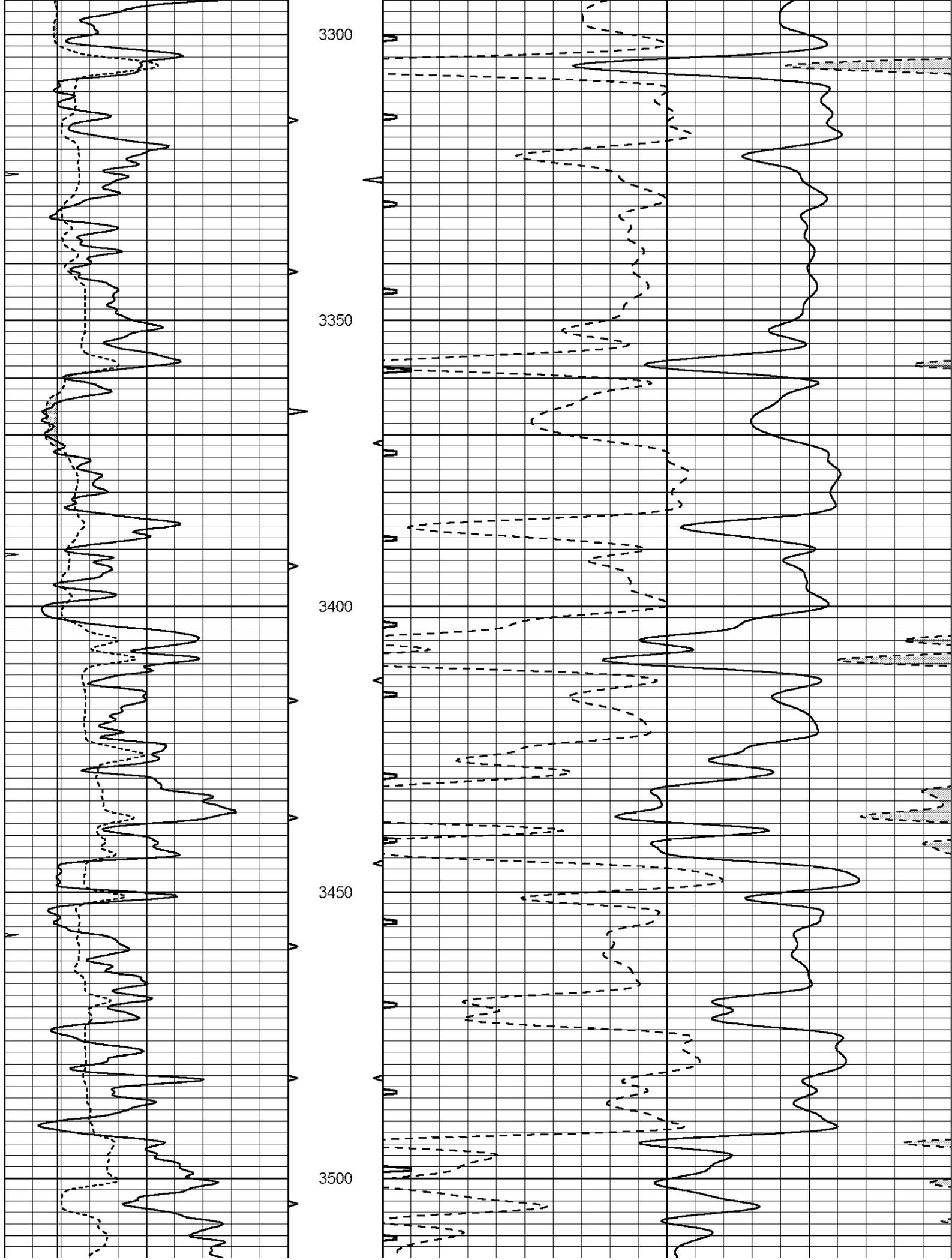
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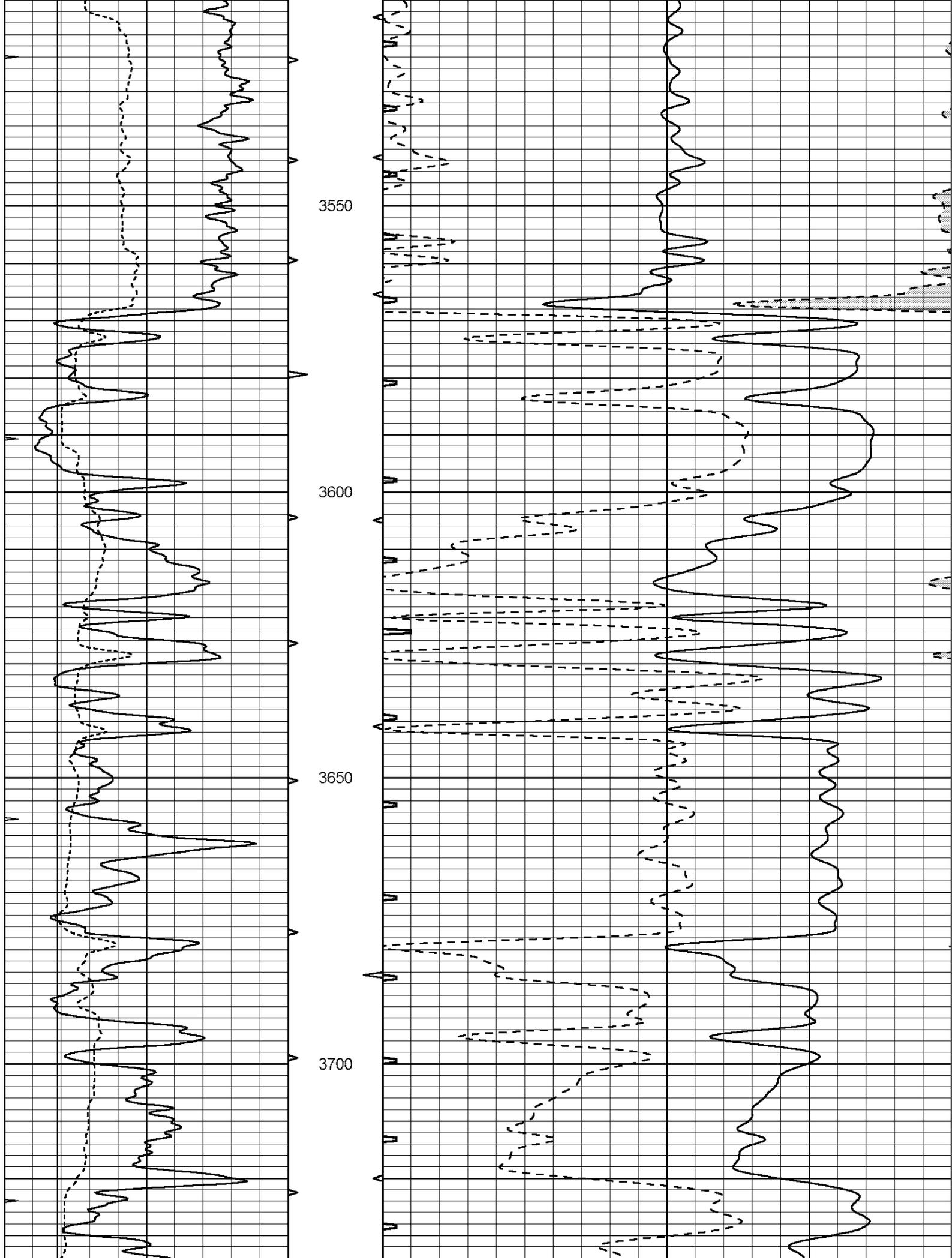


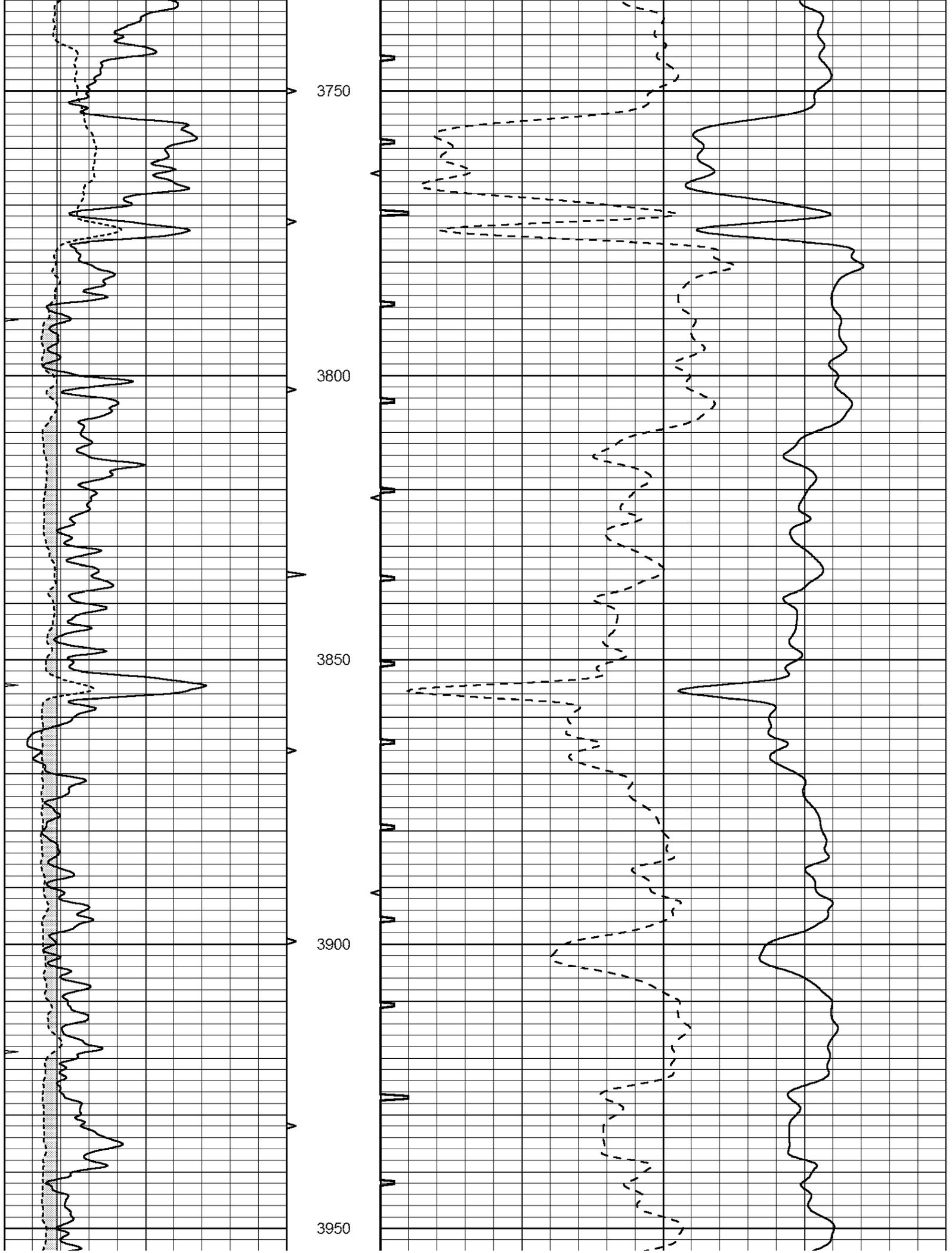


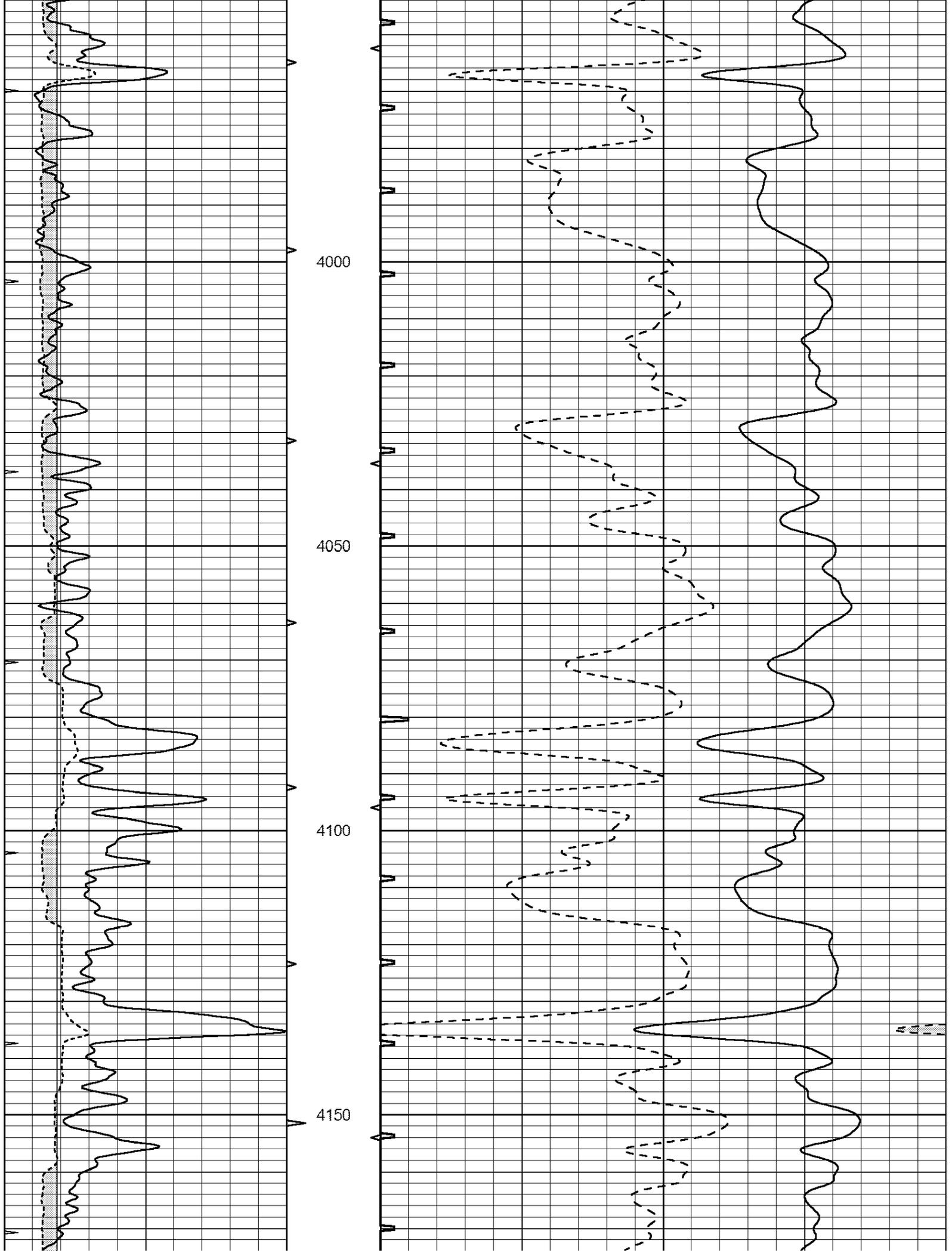


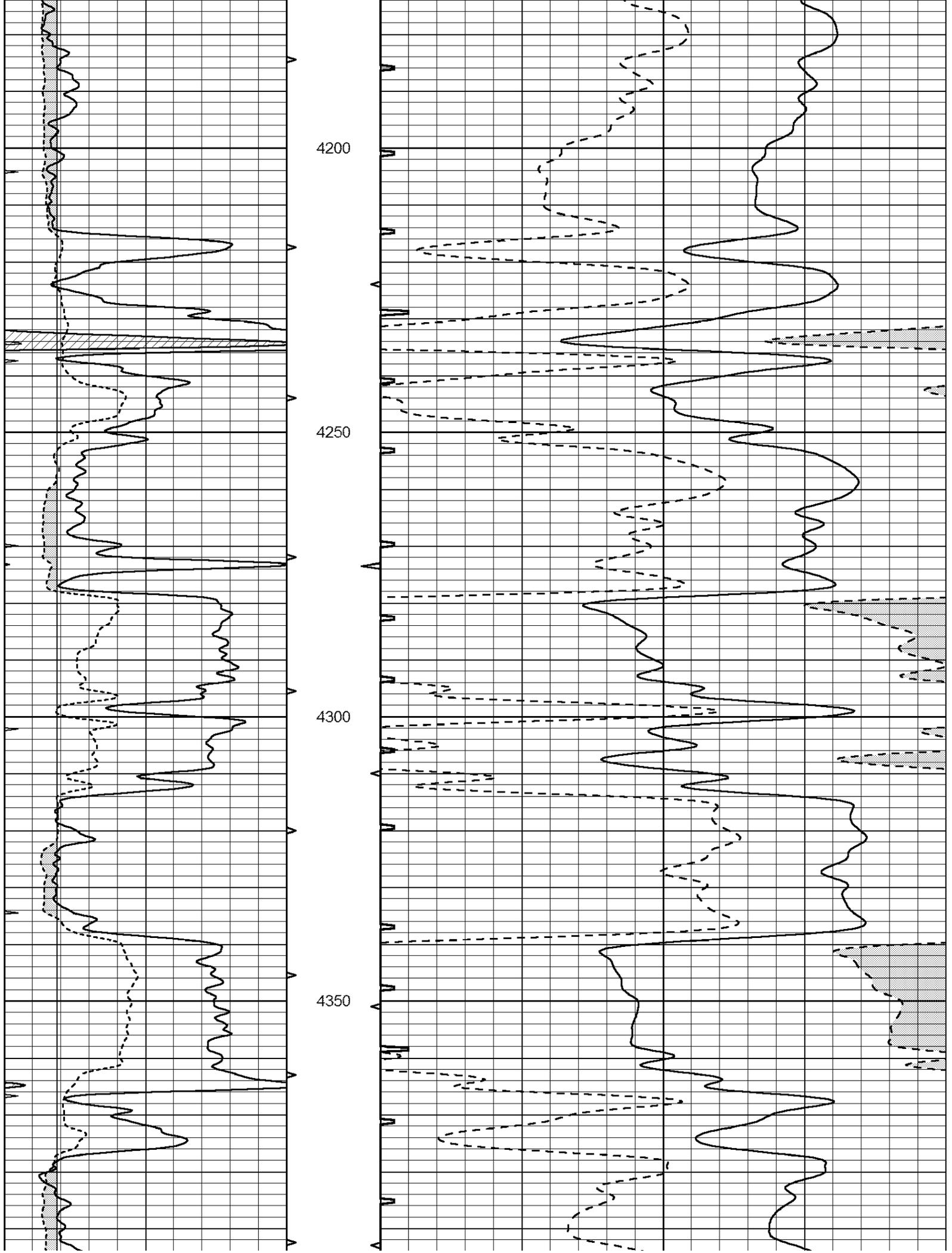


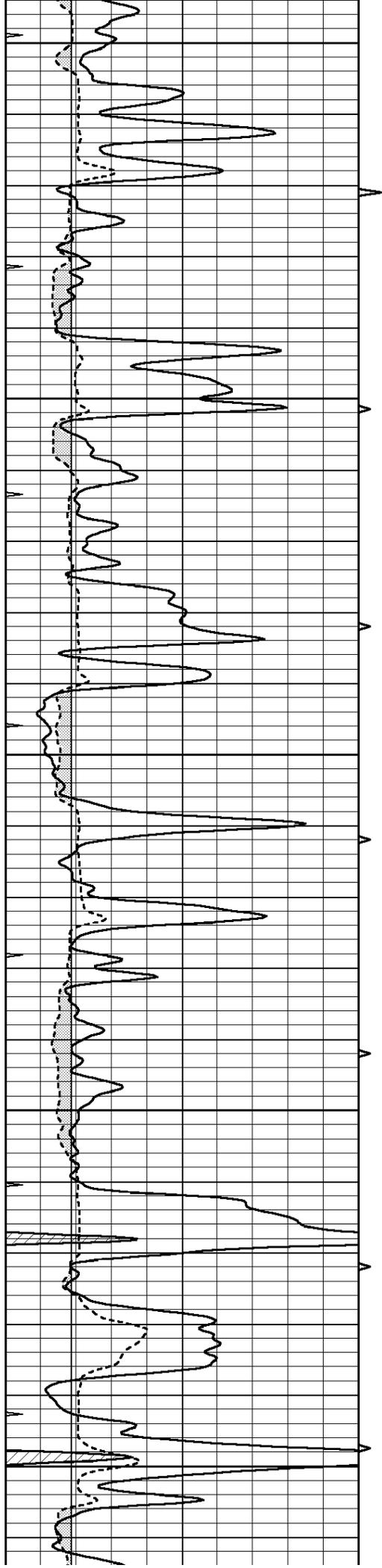












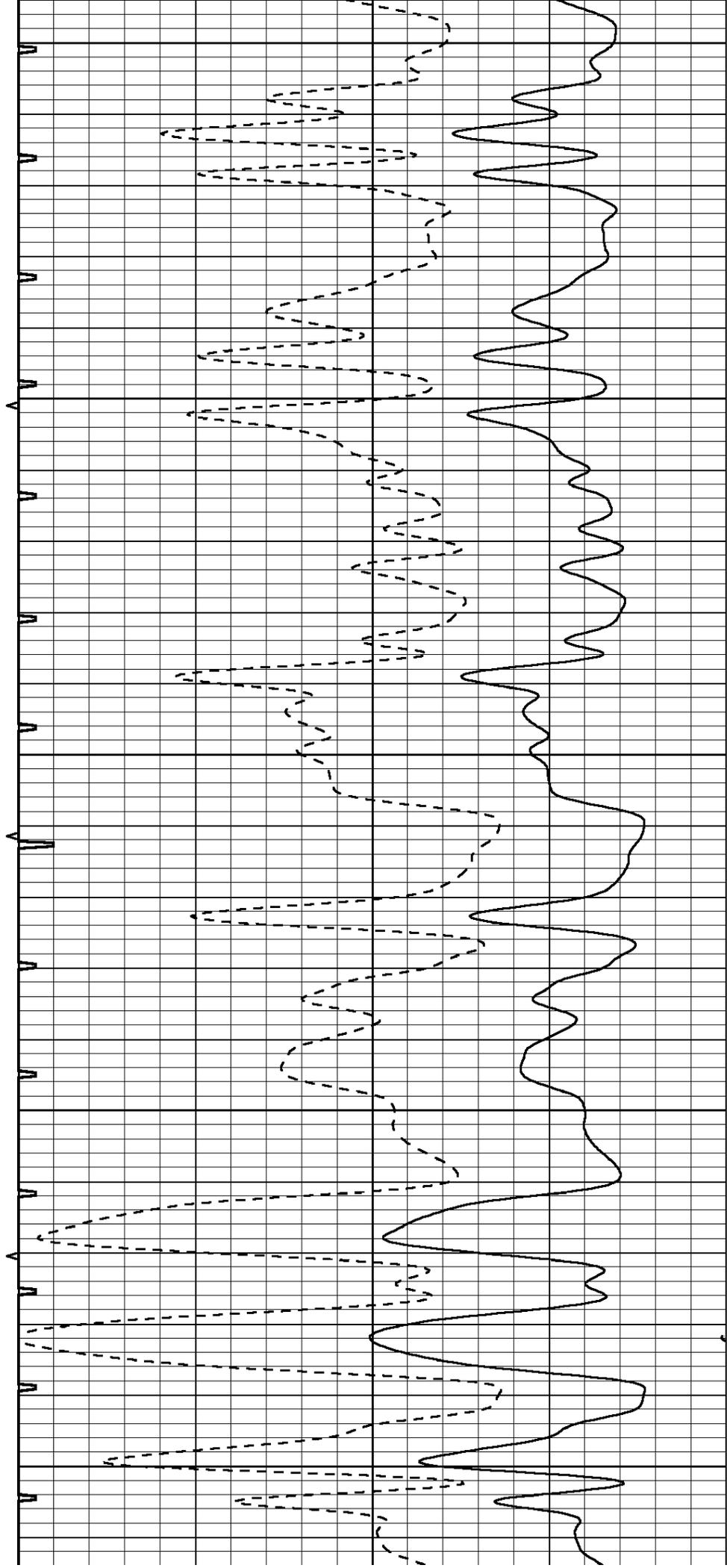
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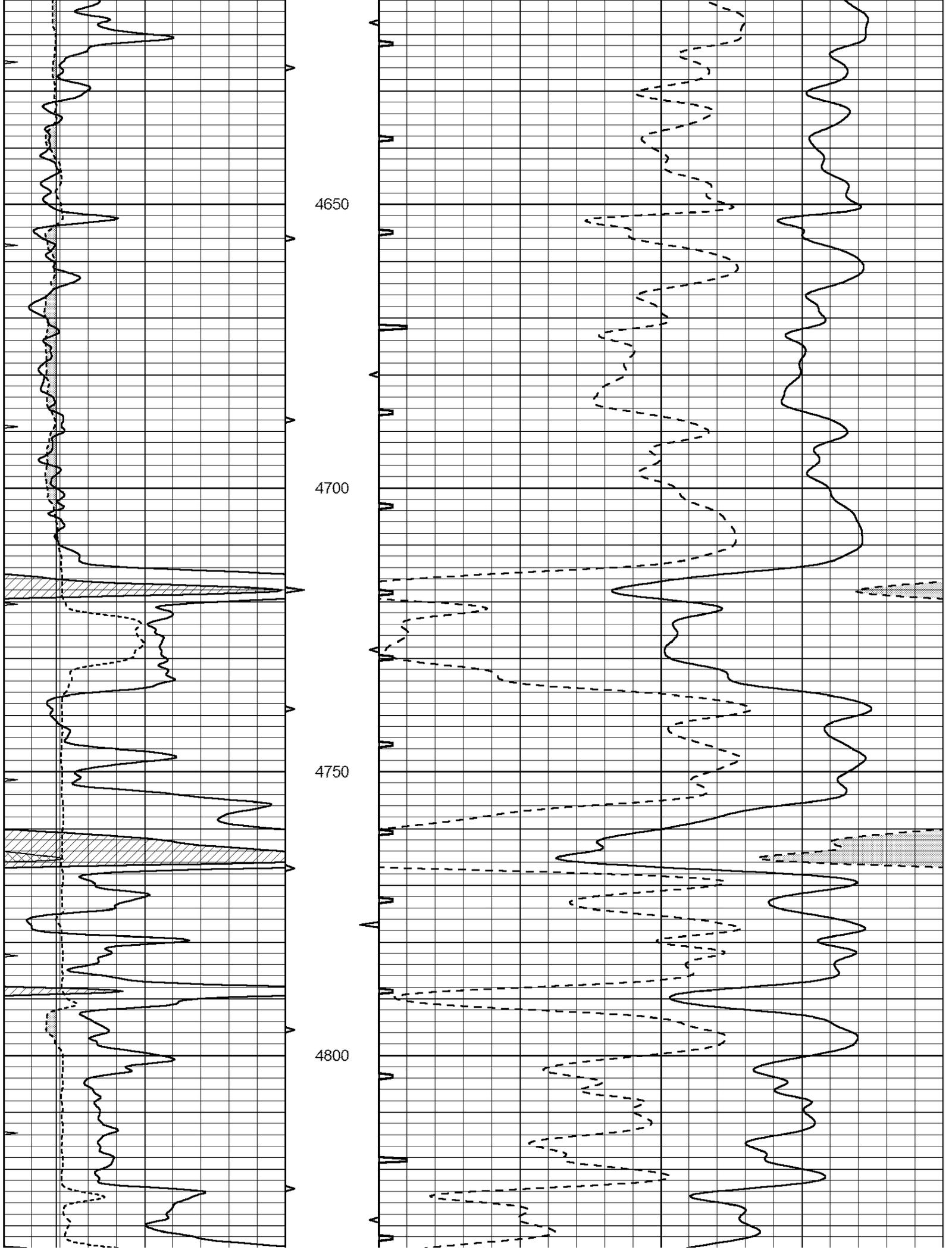
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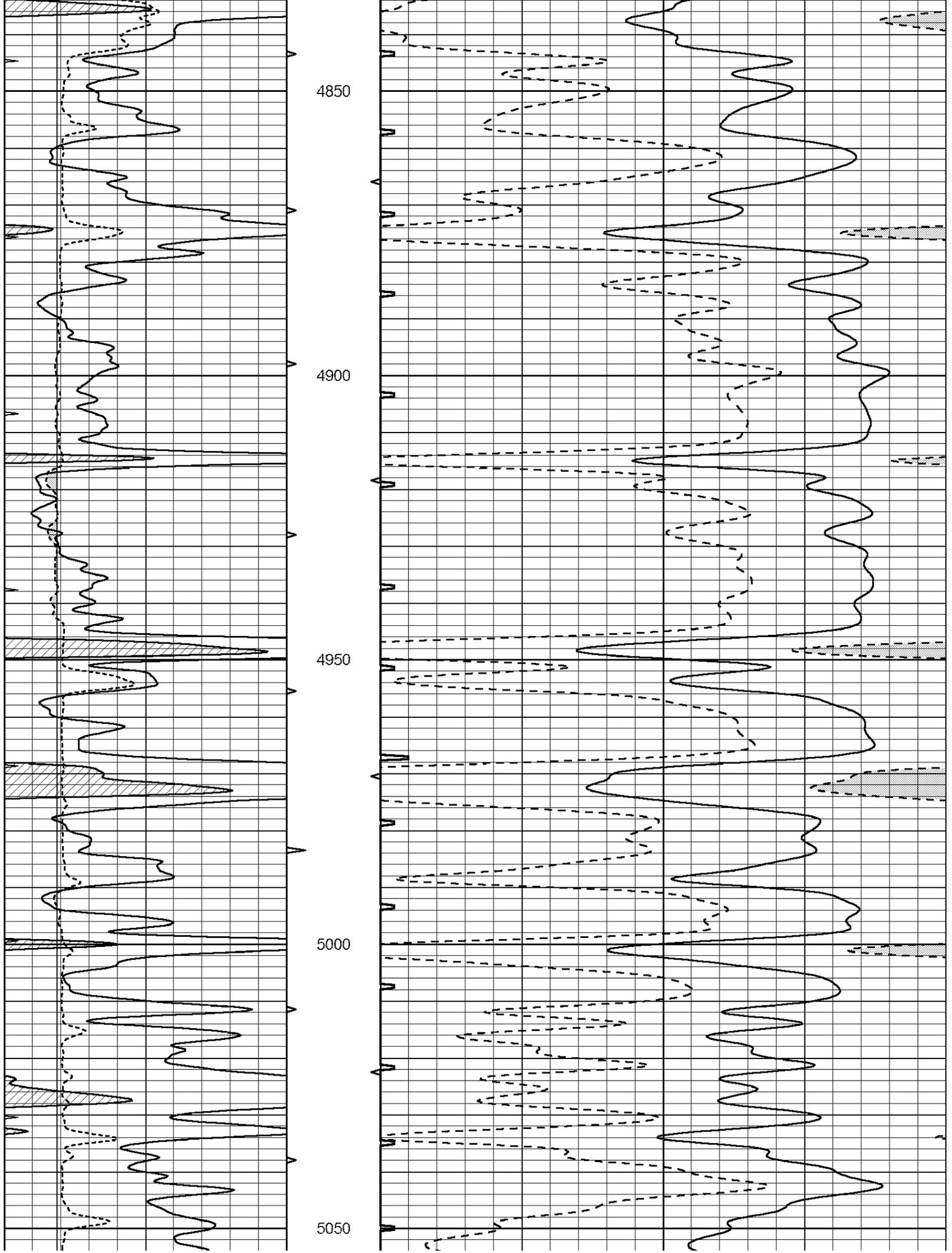
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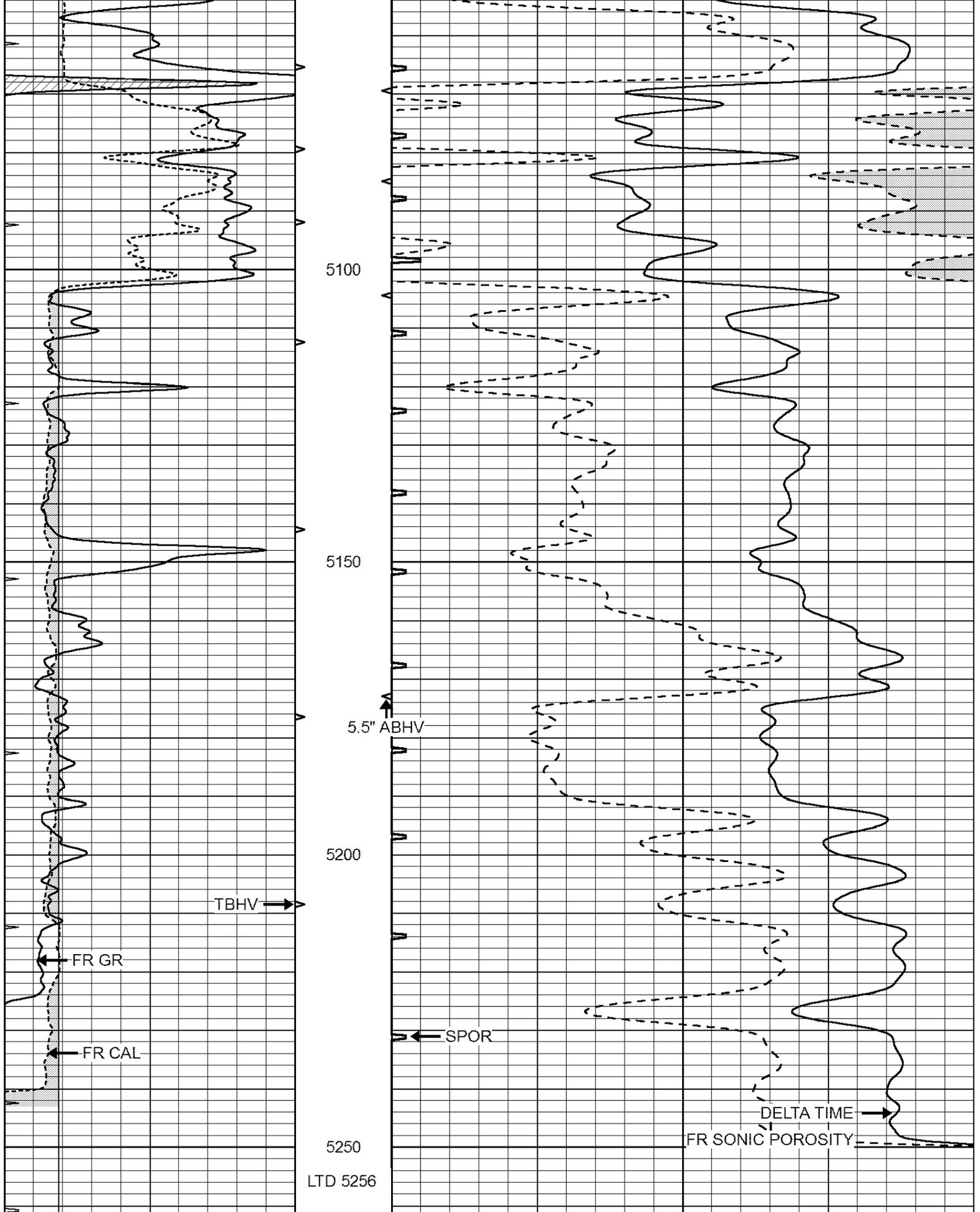
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4600









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0	MINMK	20	TRHV	0	ITT (msec)	20

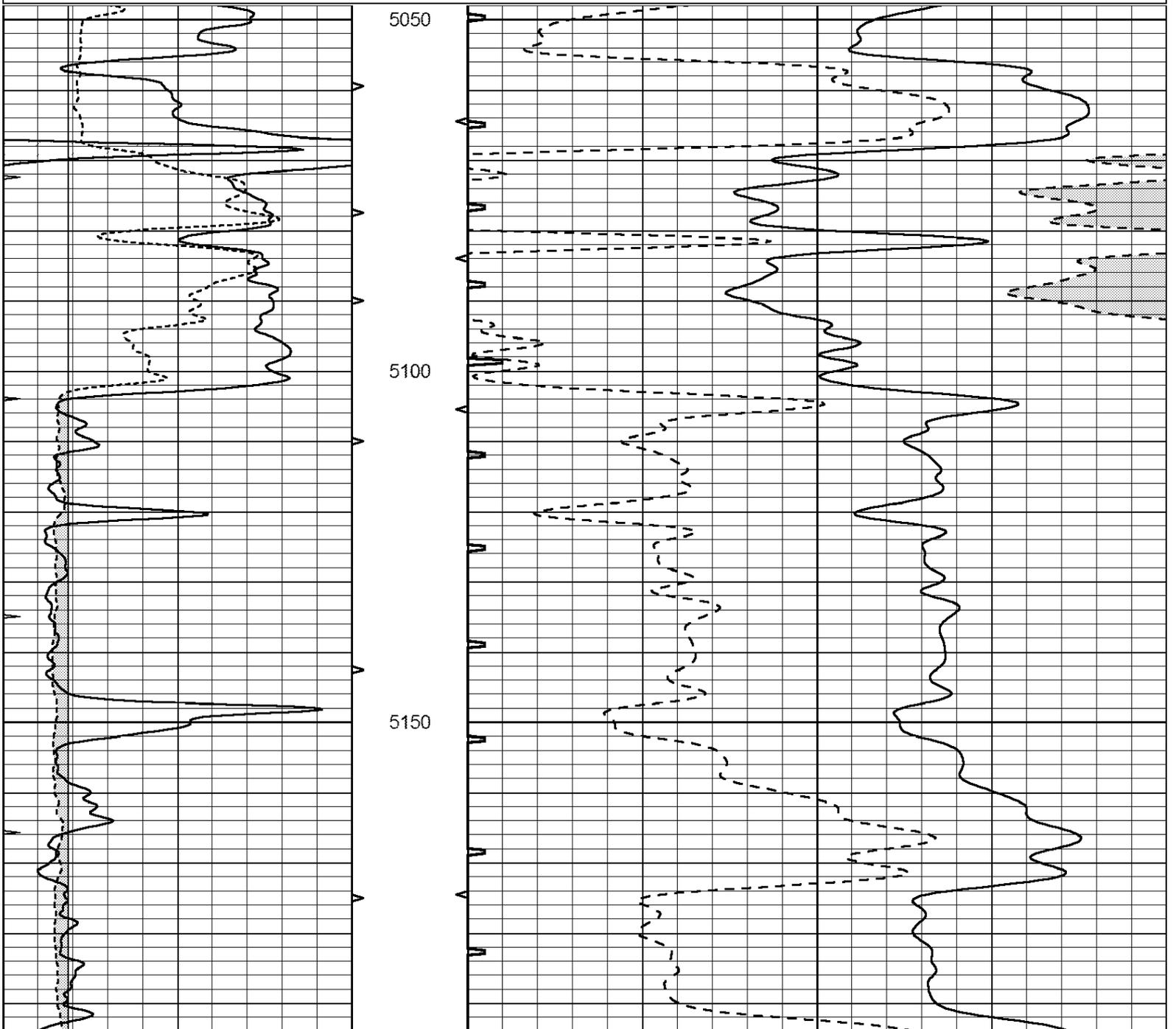


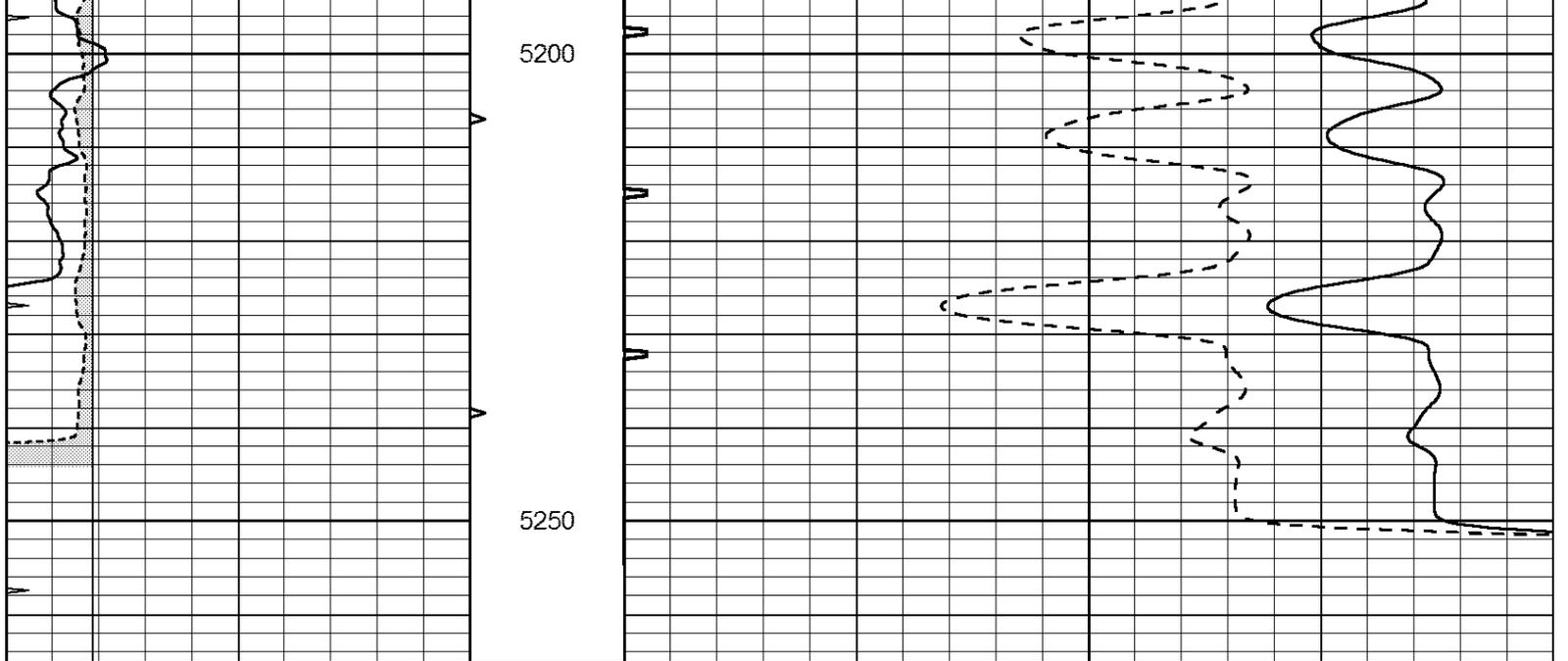
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# REPEAT SECTION

Database File: 409515pe.db  
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 Presentation Format: slt  
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 Charted by: Depth in Feet scaled 1:240

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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			





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0	MINMK	20	TBHV	0	ITT (msec)	20	
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