



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**SONIC
LOG**

Company		RITCHIE EXPLORATION, INC.	
Well		#1 BECKER 13BC	
Field		WILDCAT	
County		FORD	
State		KANSAS	
Location:		API # : 15-057-20846 575' FSL & 1110' FWL 85S & 120E OF E/2 - SW - SW SEC 13 TWP 17S RGE 26W	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 12' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Elevation		2633	
Other Services		CDL/CNL DIL	
Date		10/17/12	
Run Number		ONE	
Depth Driller		5259	
Depth Logger		5262	
Bottom Logged Interval		5260	
Top Log Interval		350	
Casing Driller		8 5/8" @ 374	
Casing Logger		372	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.1/55	
pH / Fluid Loss		10.5/10.8	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		0.60 @ 94F	
Rmf @ Meas. Temp		0.45 @ 94F	
Rmc @ Meas. Temp		0.72 @ 94F	
Source of Rmf / Rmc		MEASURED	
Rim @ BHT		0.44 @ 127F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom			
Maximum Recorded Temperature		127F	
Equipment Number		680	
Location		HAYS, KS.	
Recorded By		IAN MABB	
Witnessed By		TED JOCHEMS	

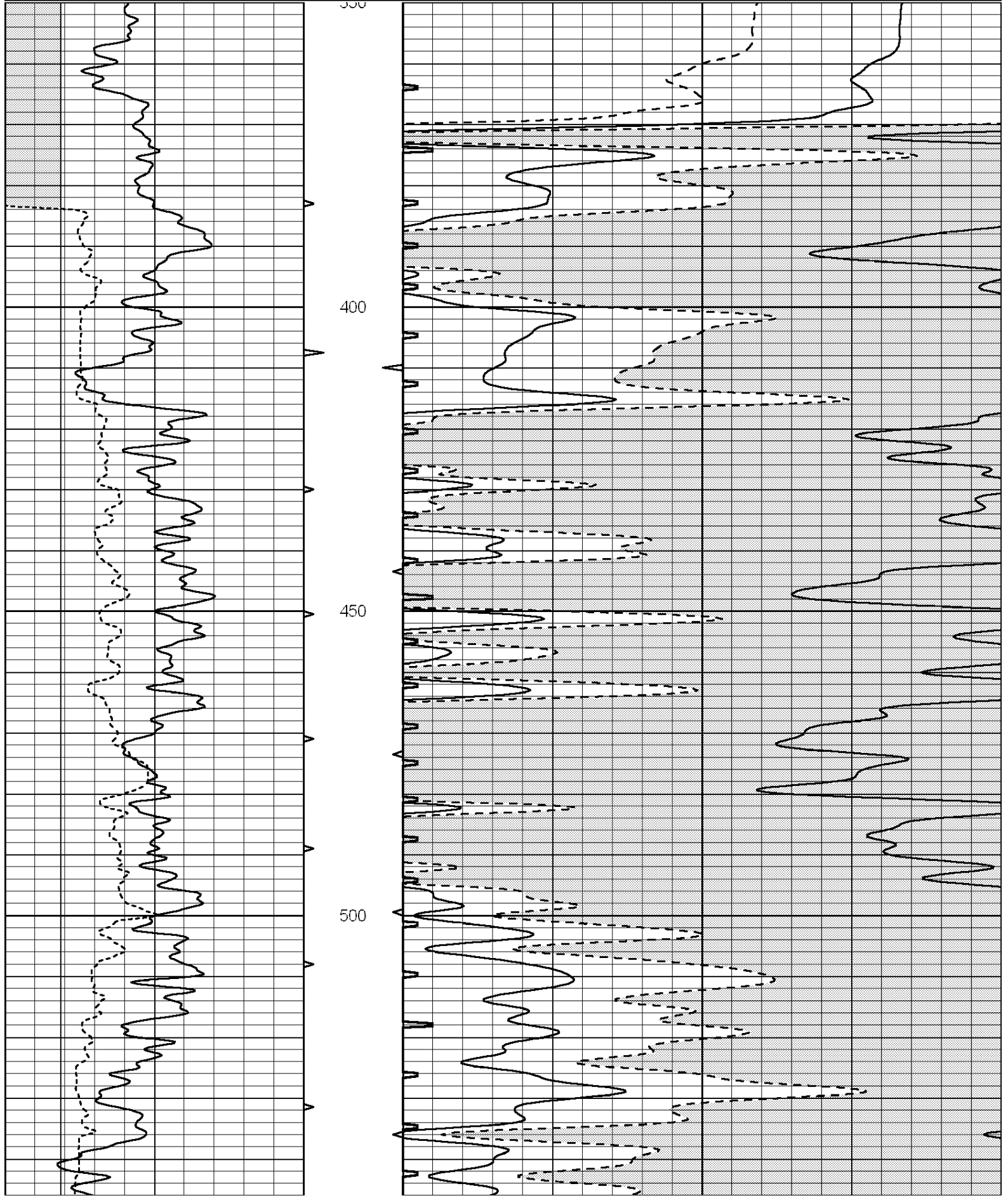
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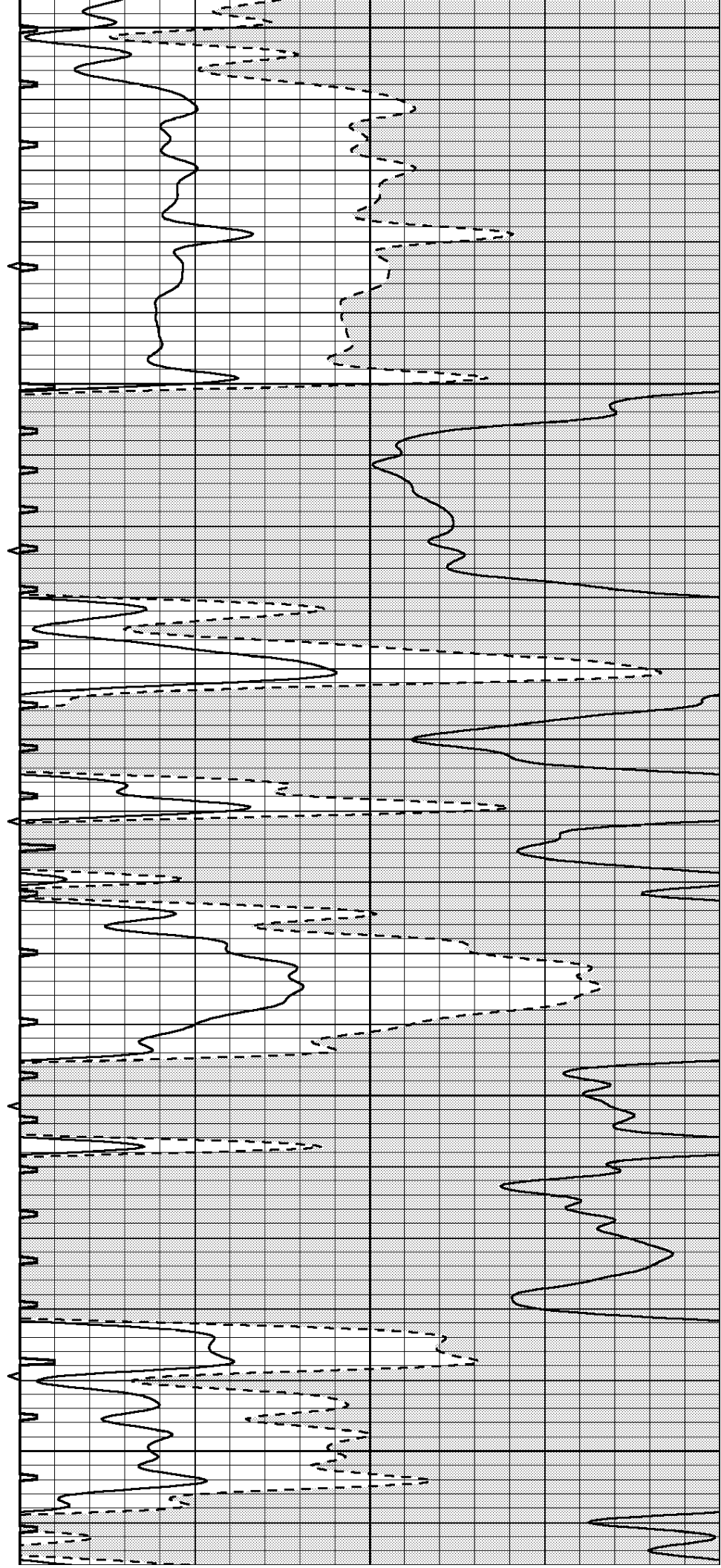
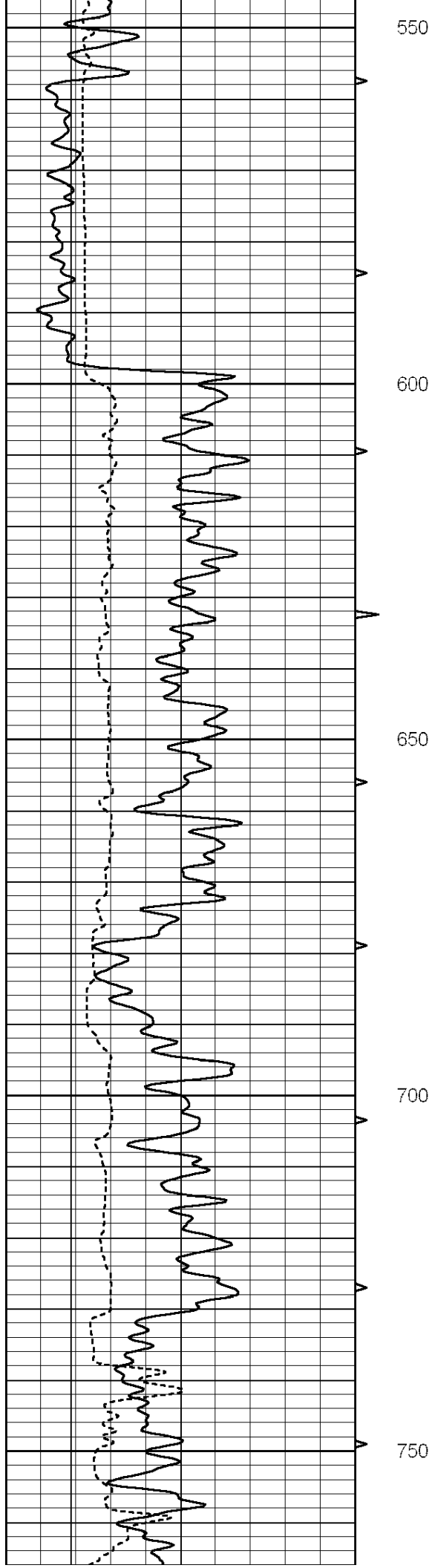
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

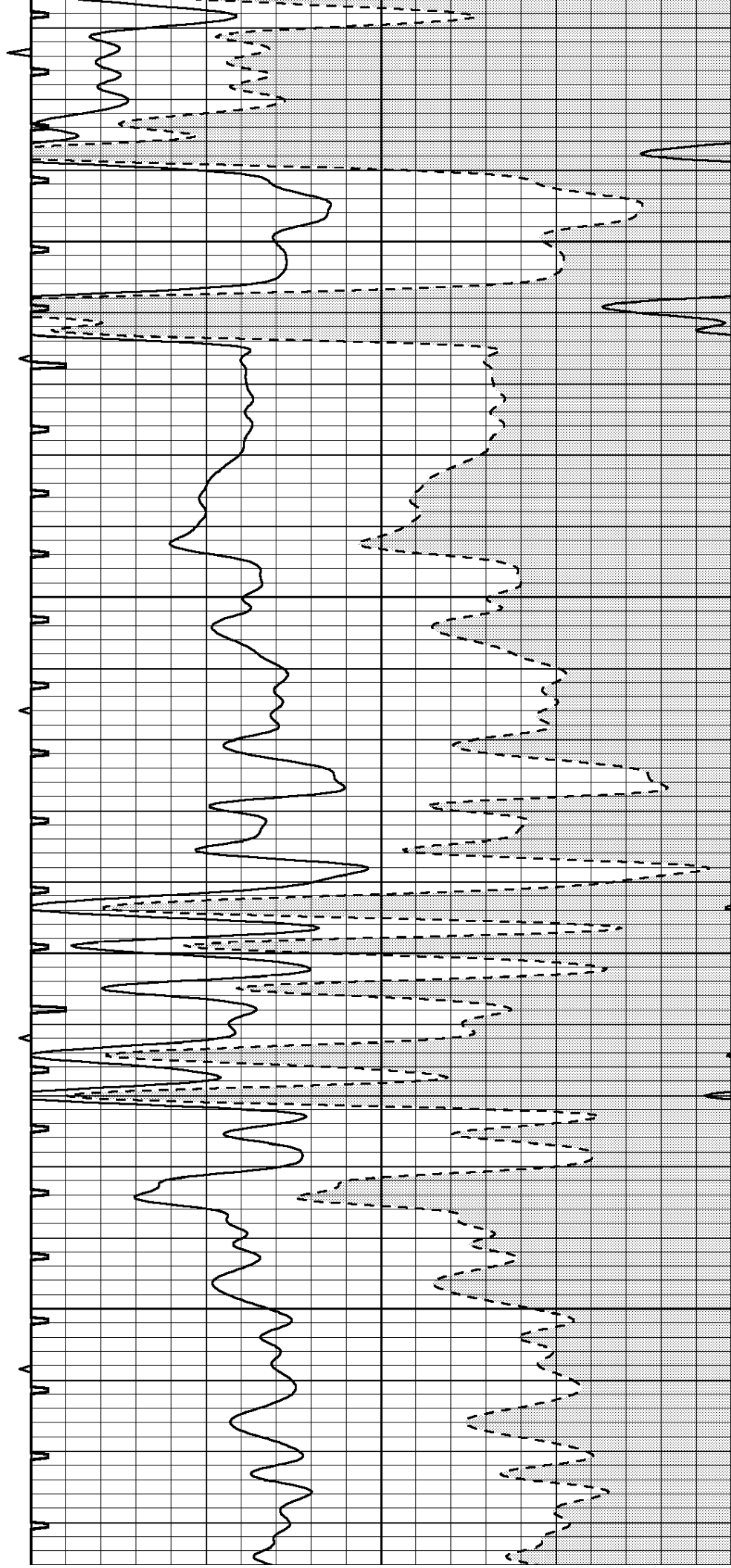
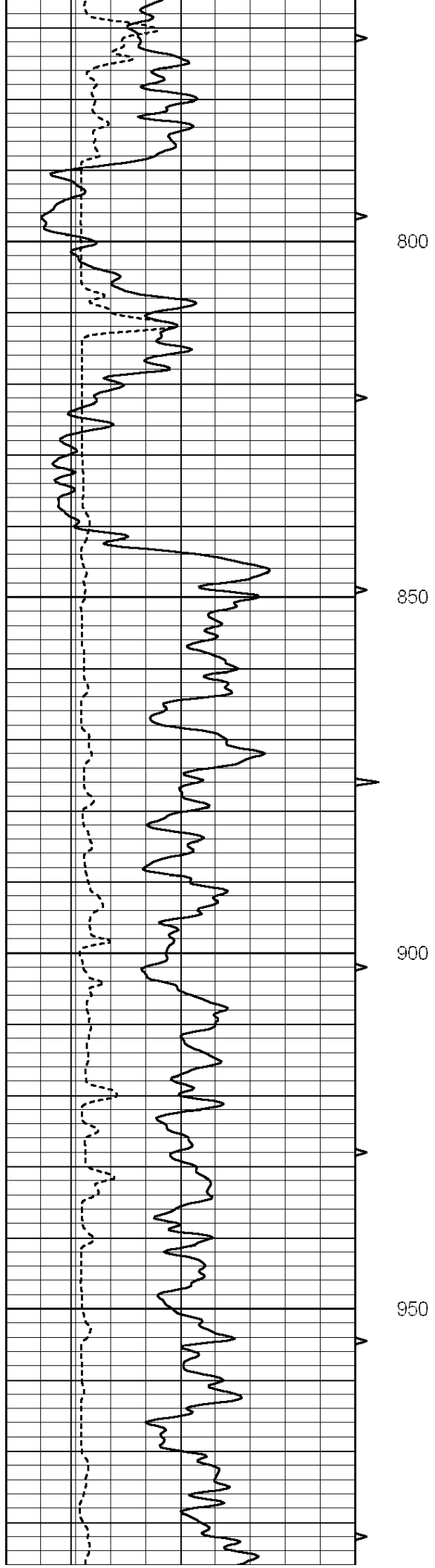
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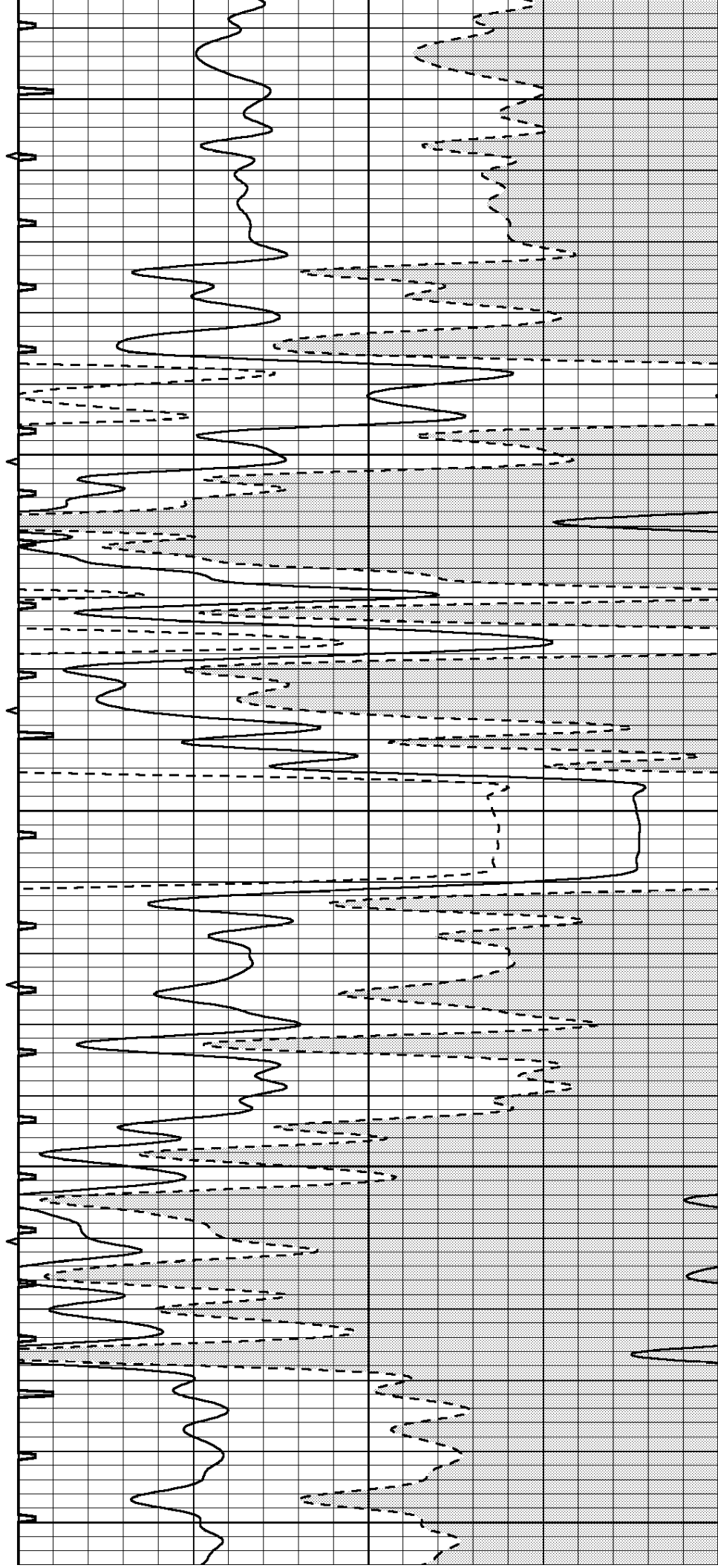
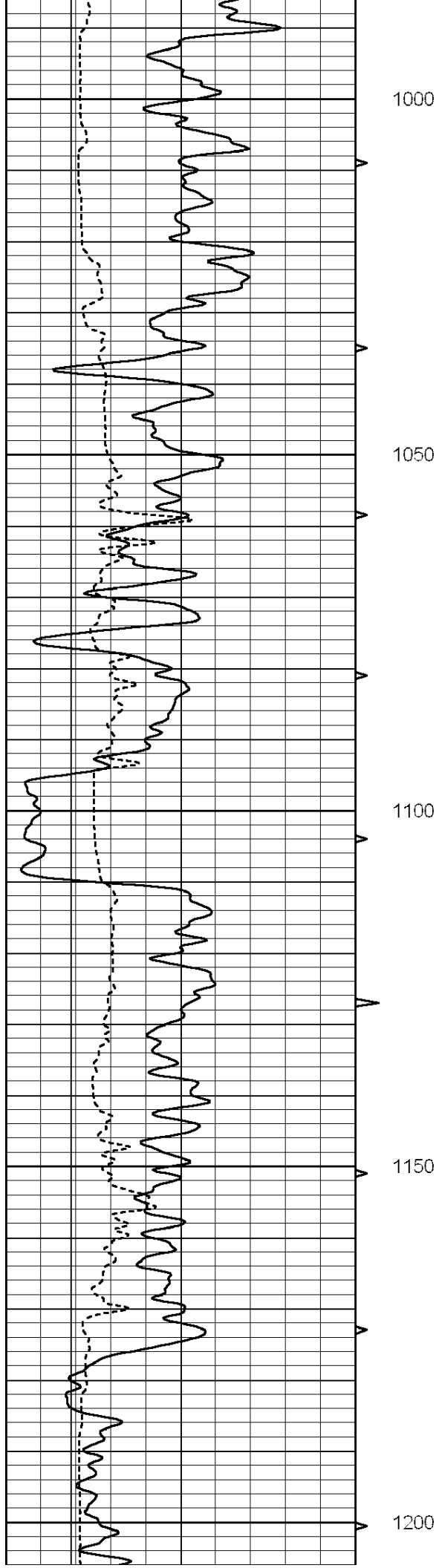
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
 DIRECTIONS
 SOUTH SIDE OF DODGE CITY, KS. JCT. 283 & 56, 6 MILES WEST ON 56 TO RD 105,
 1 MILES SOUTH EAST INTO

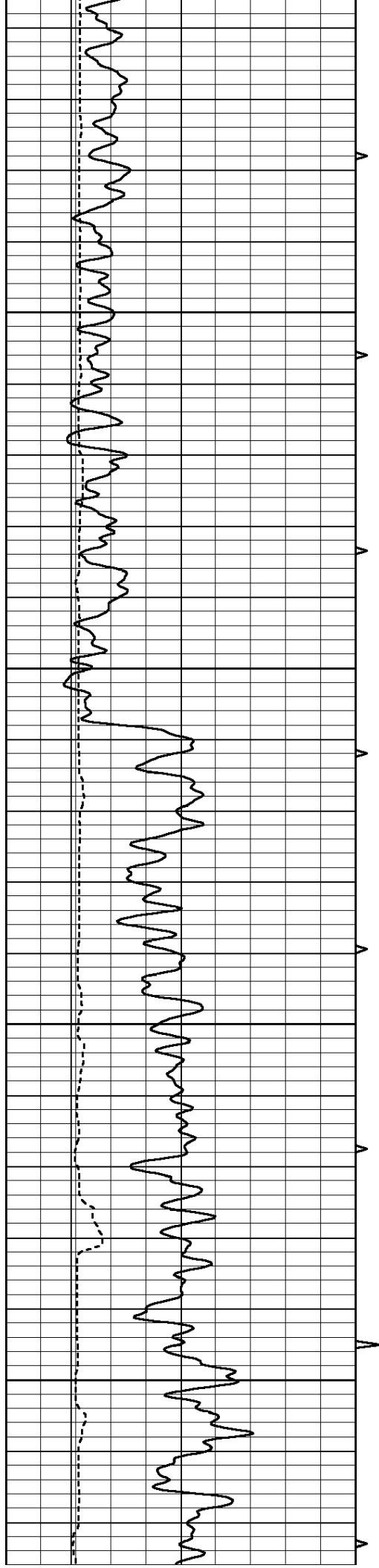
Charted by: _____		Depth in Feet scaled 1:2.15					
6	CALIPER (in)	16	ABHV	140	DELTA TIME (usec/ft)	40	
0	GAMMA RAY (GAPI)	150	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20	
			0 (ft3)	10			









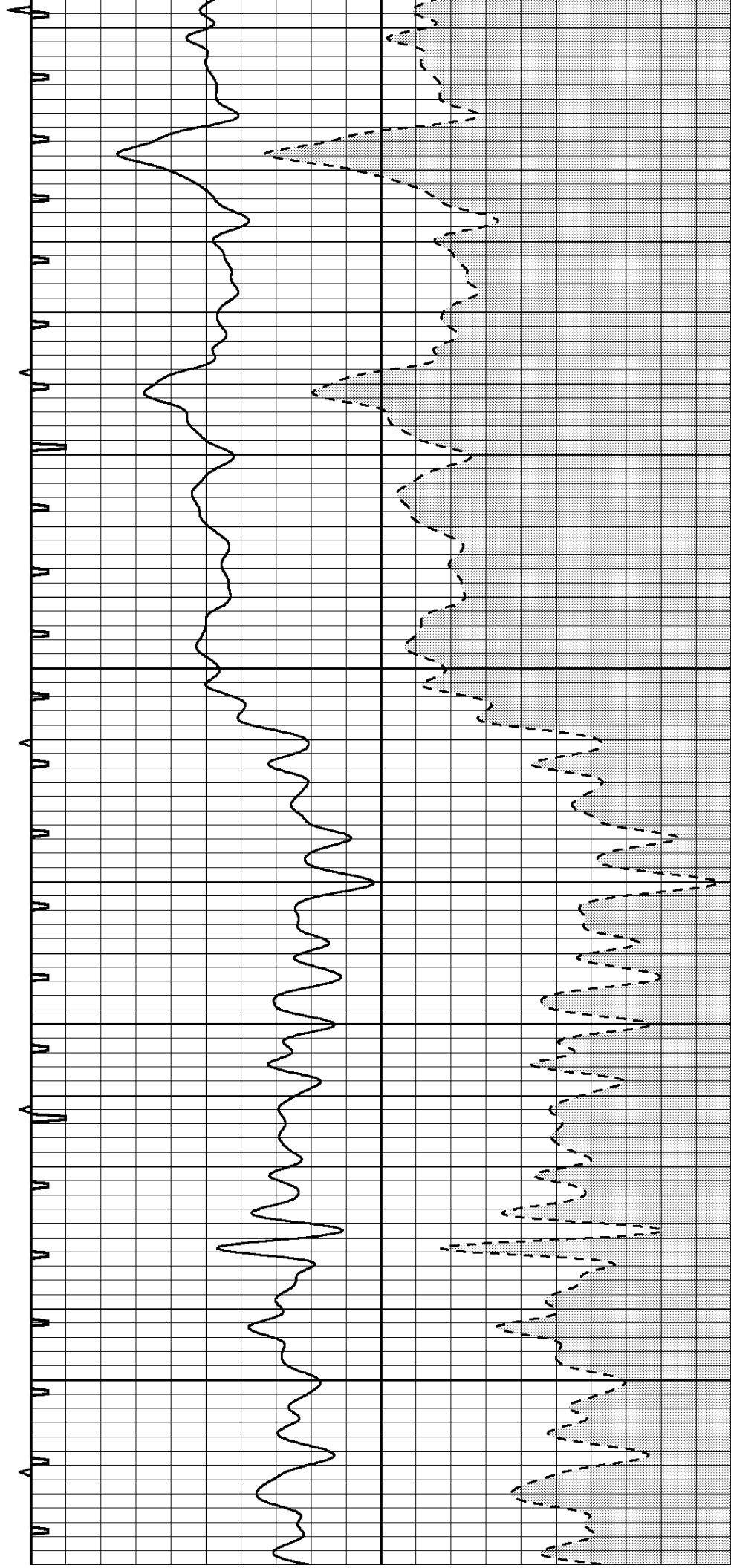


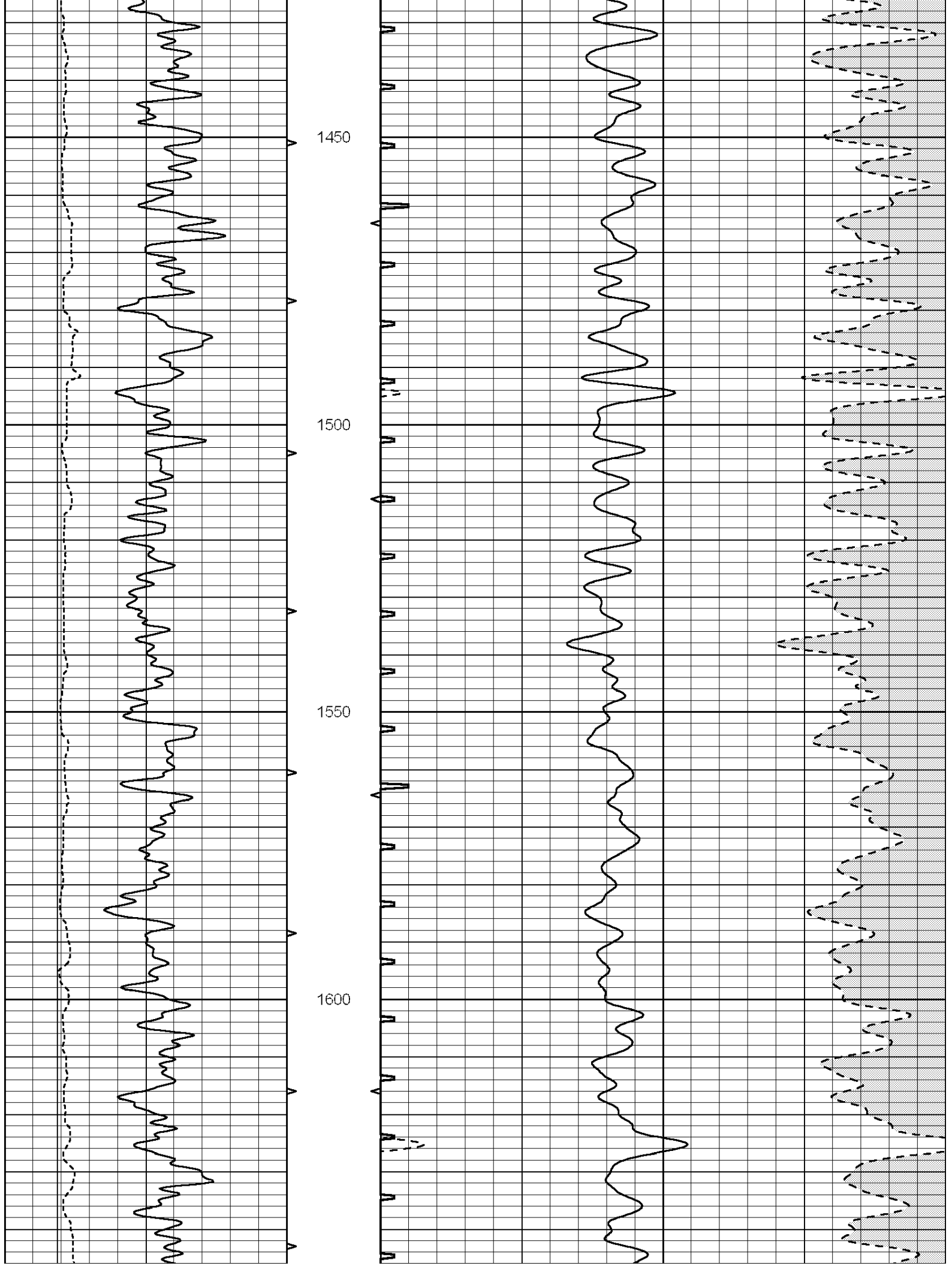
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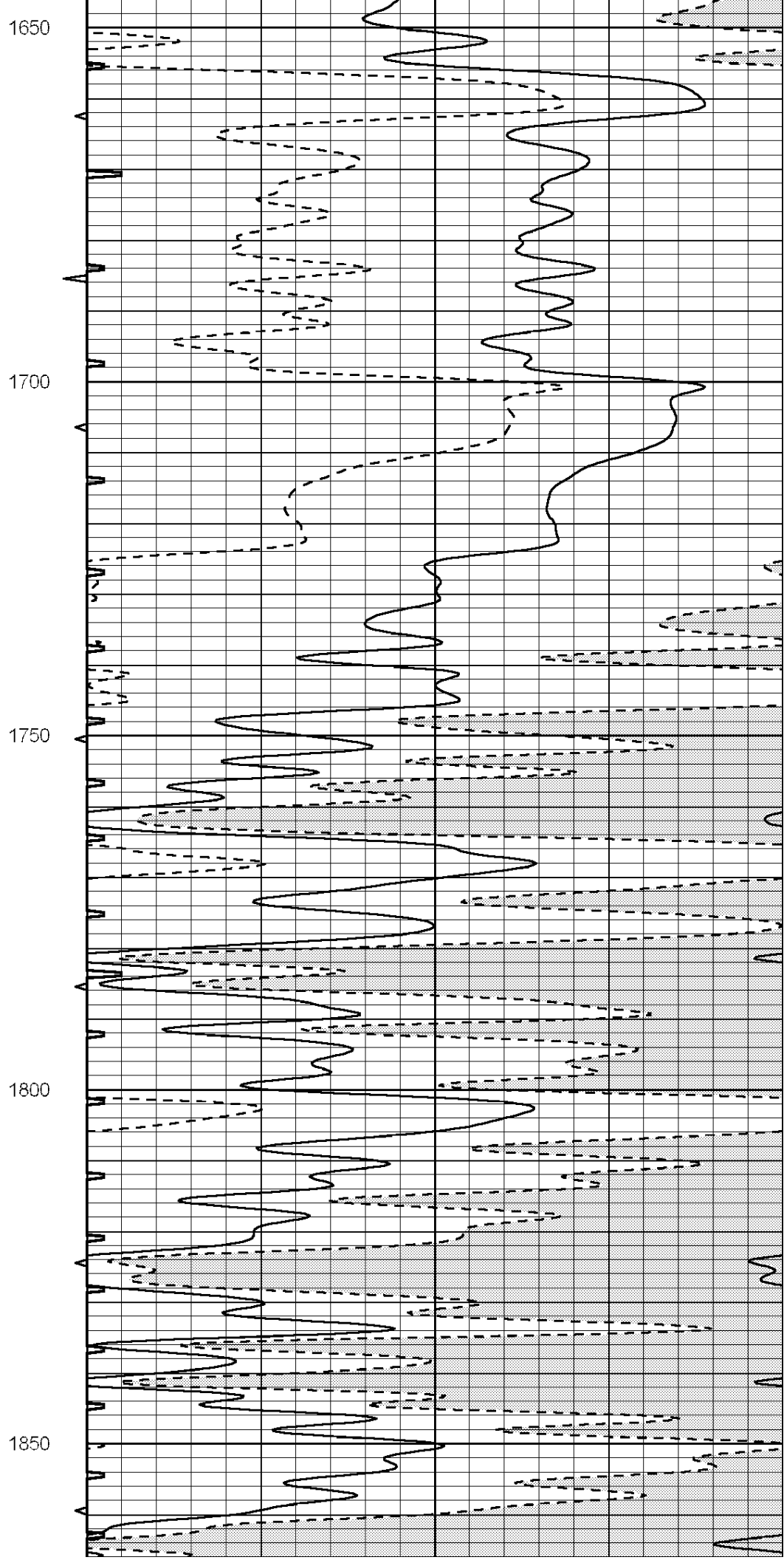
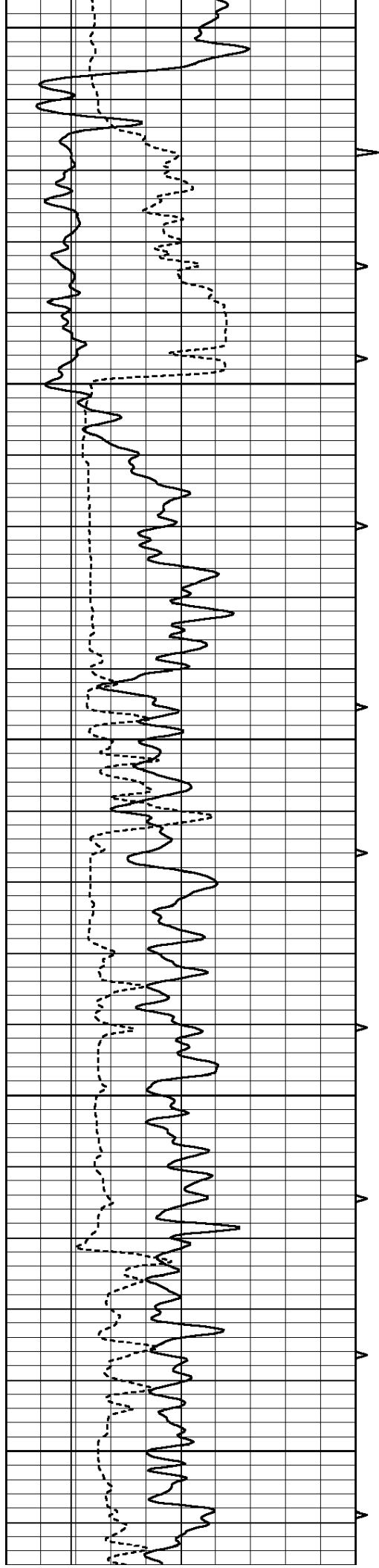
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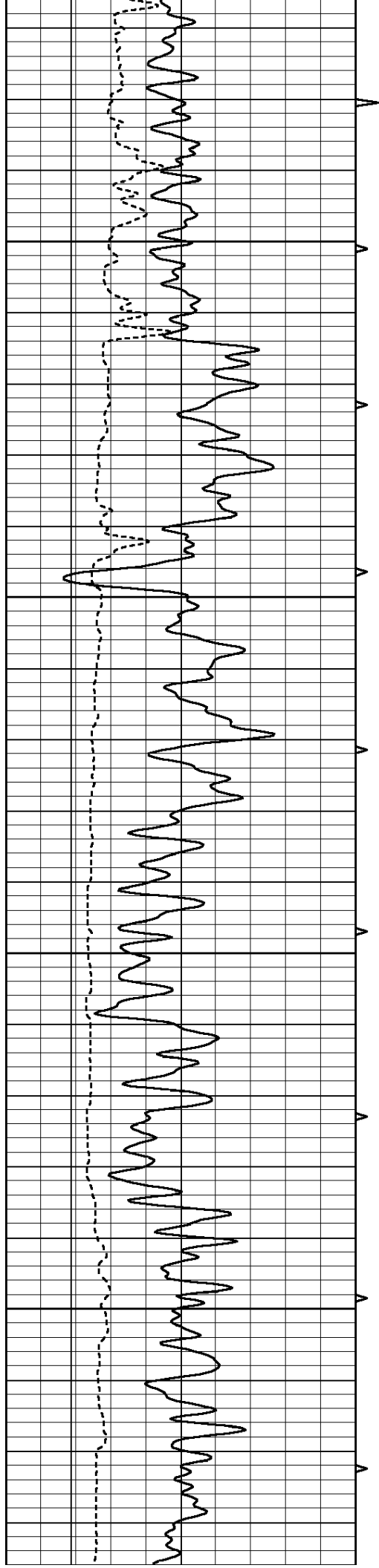
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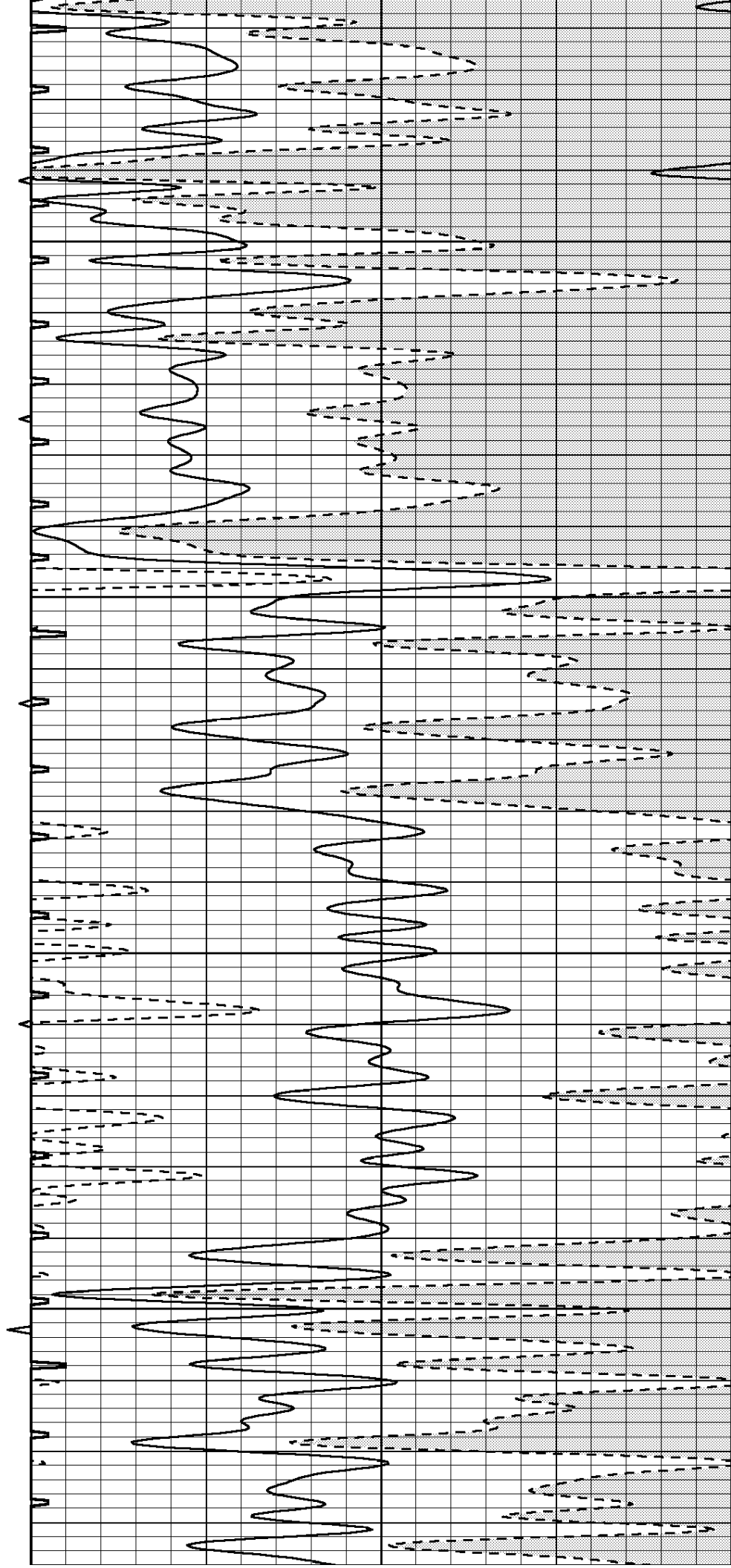


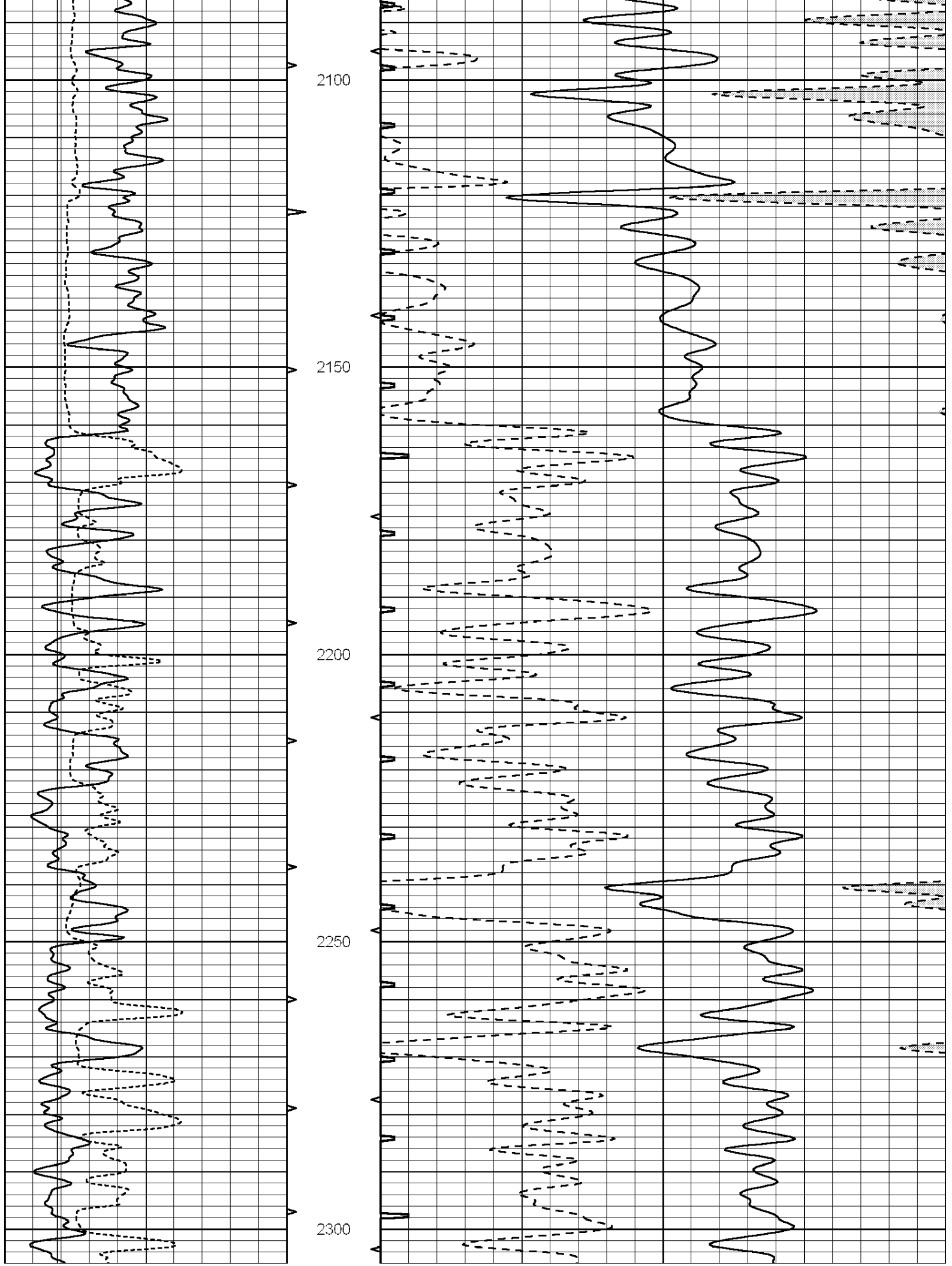
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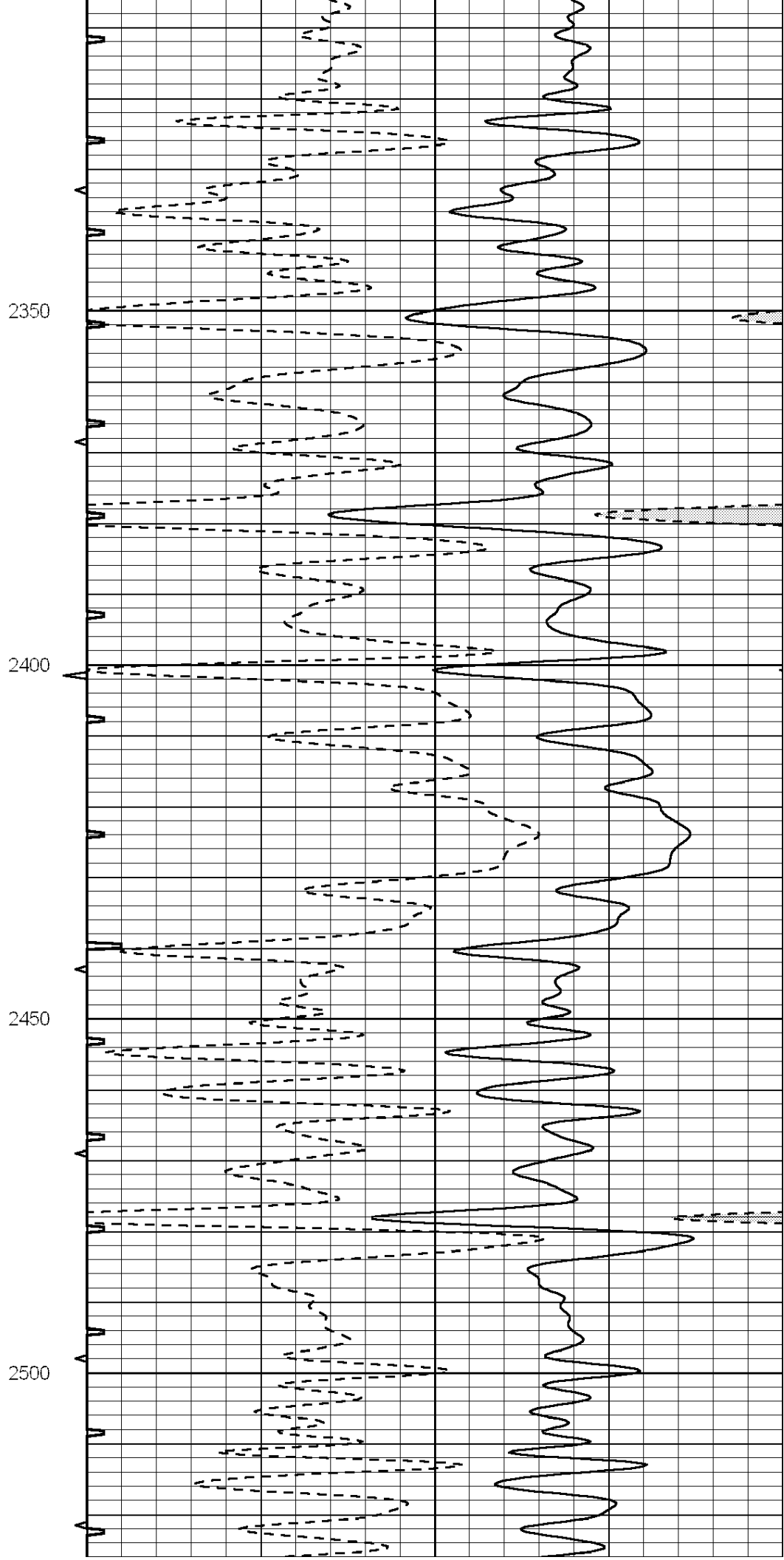
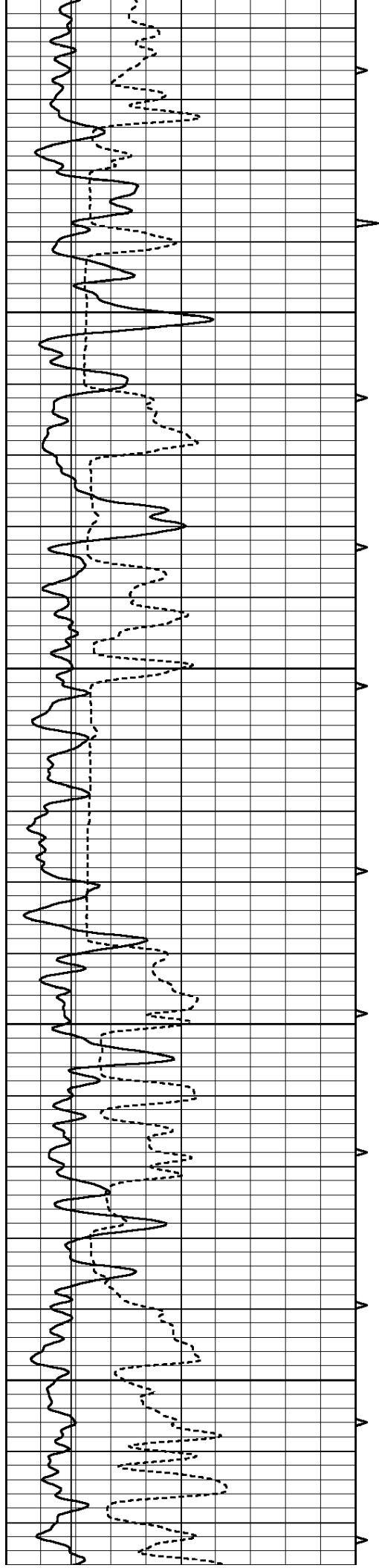
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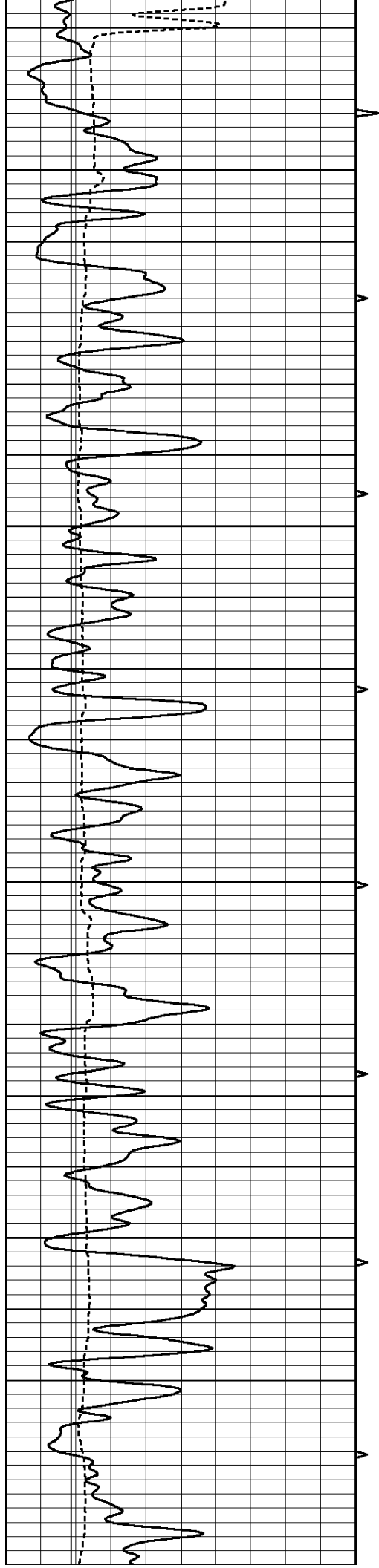
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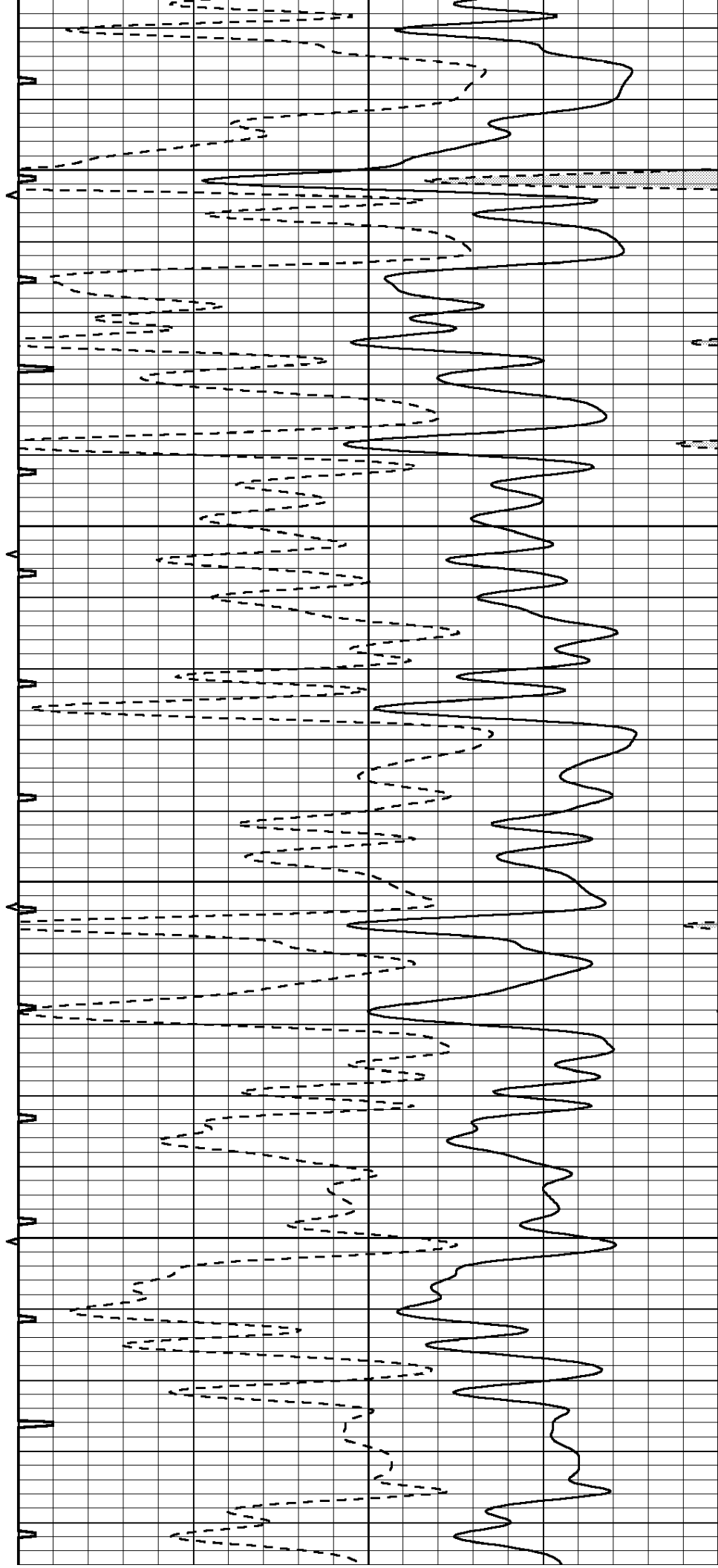


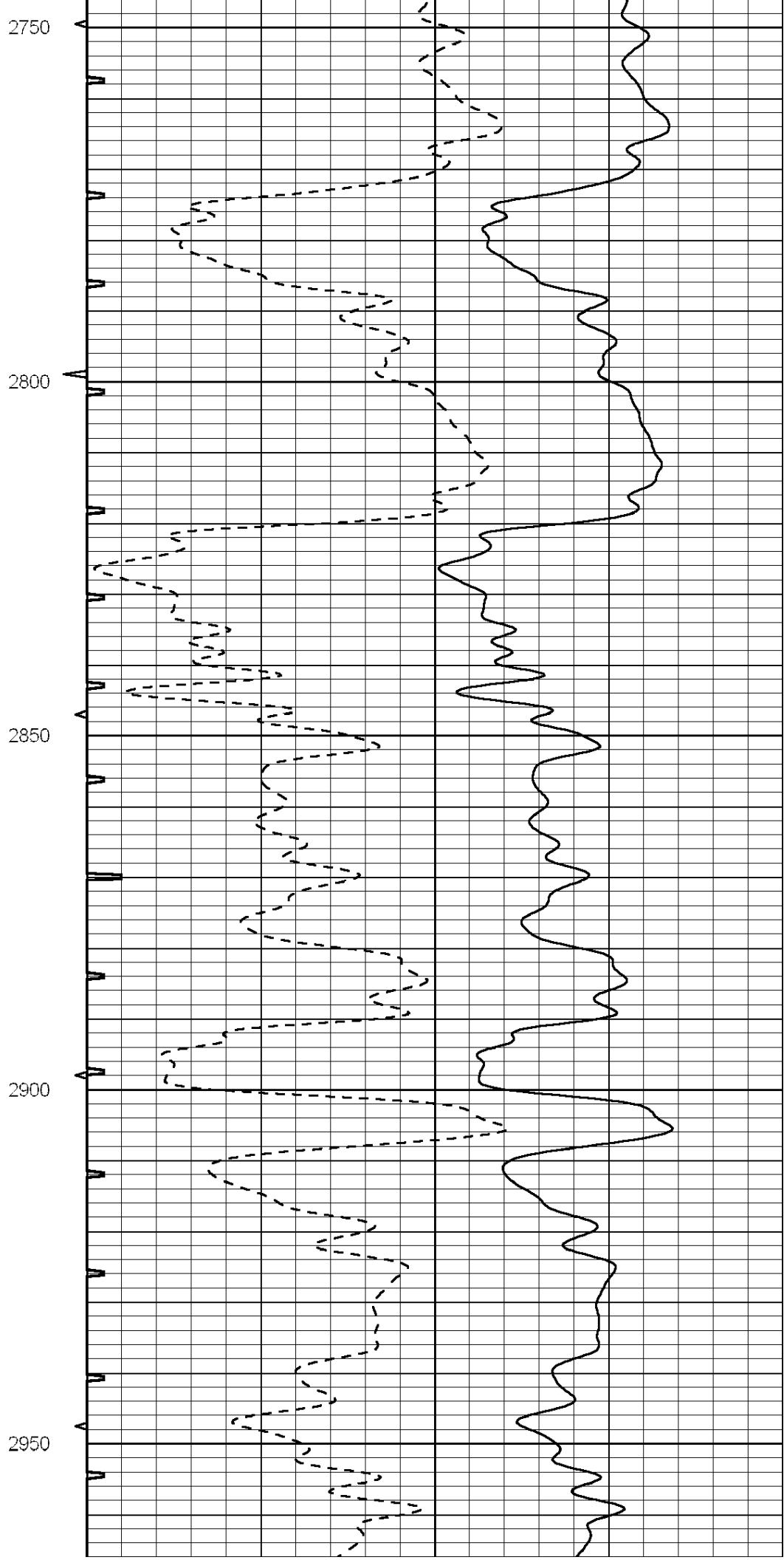
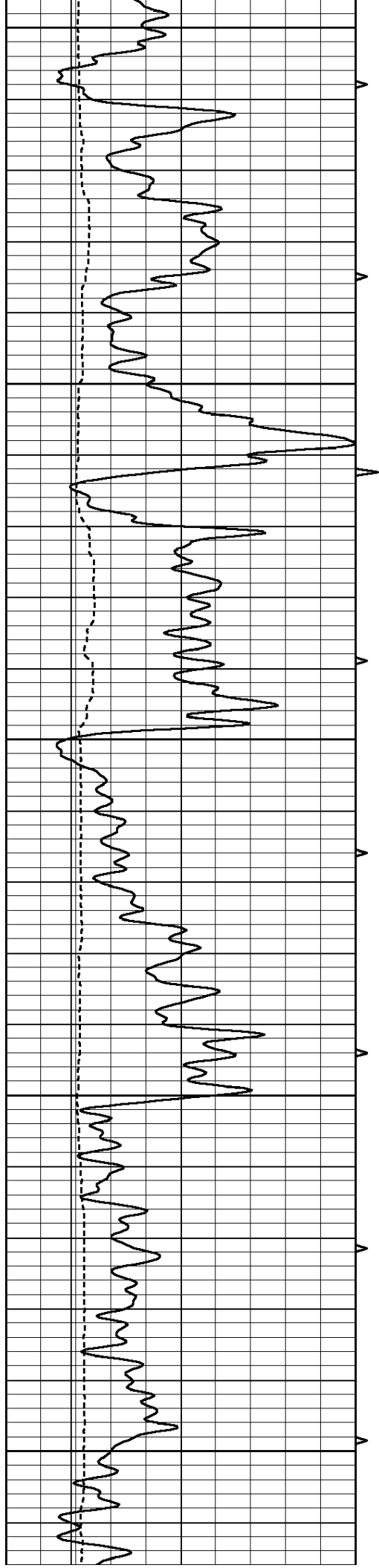
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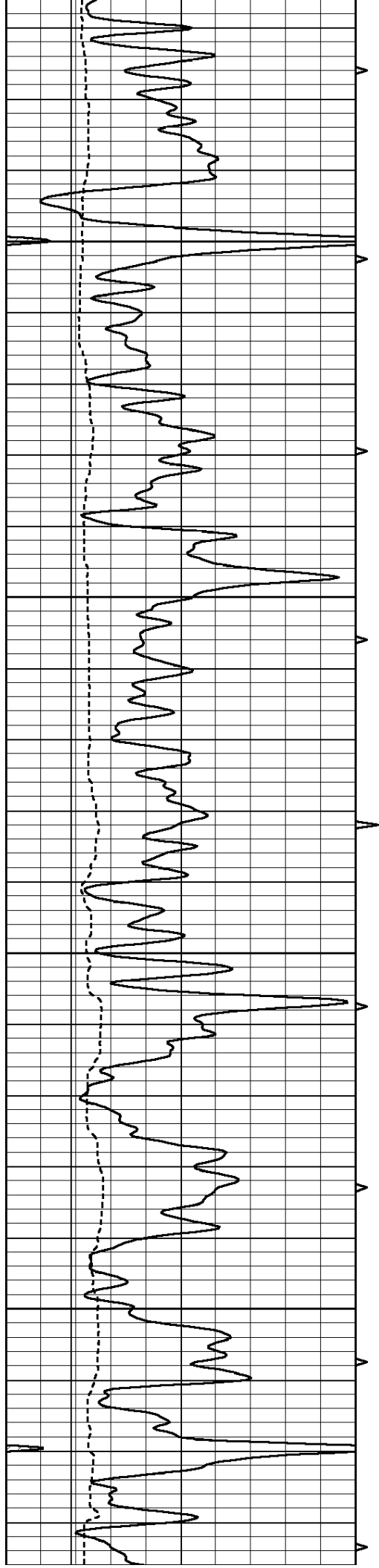
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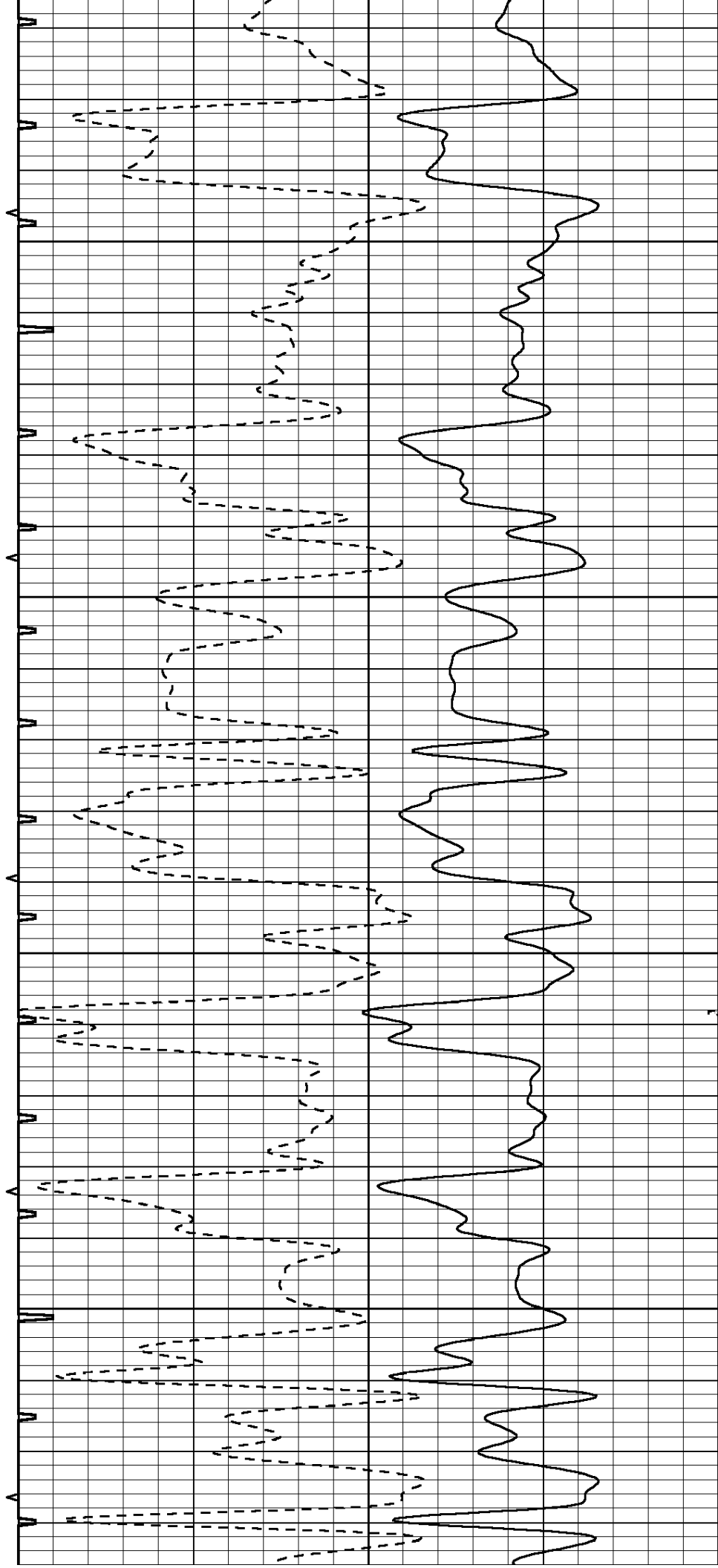


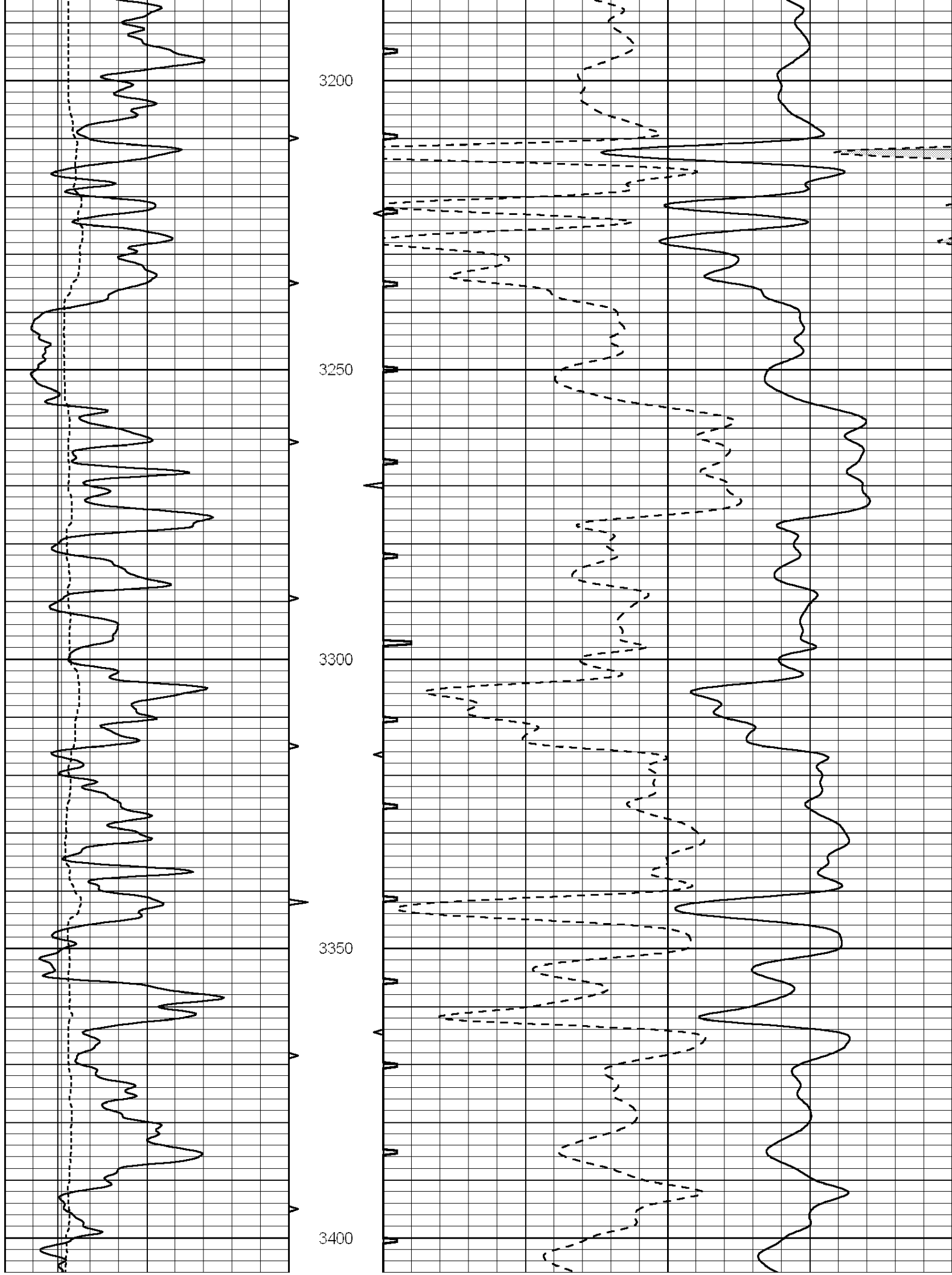
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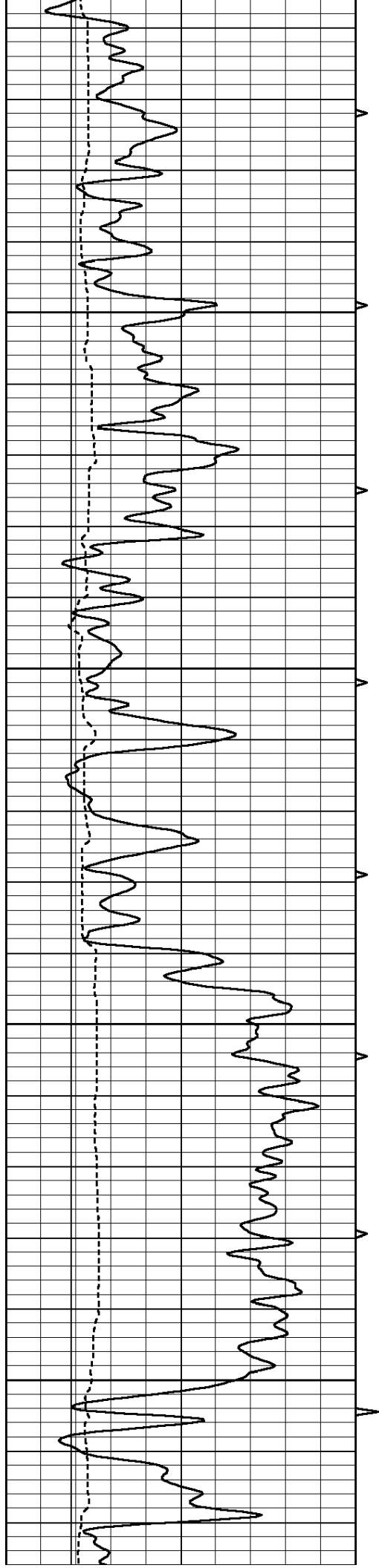
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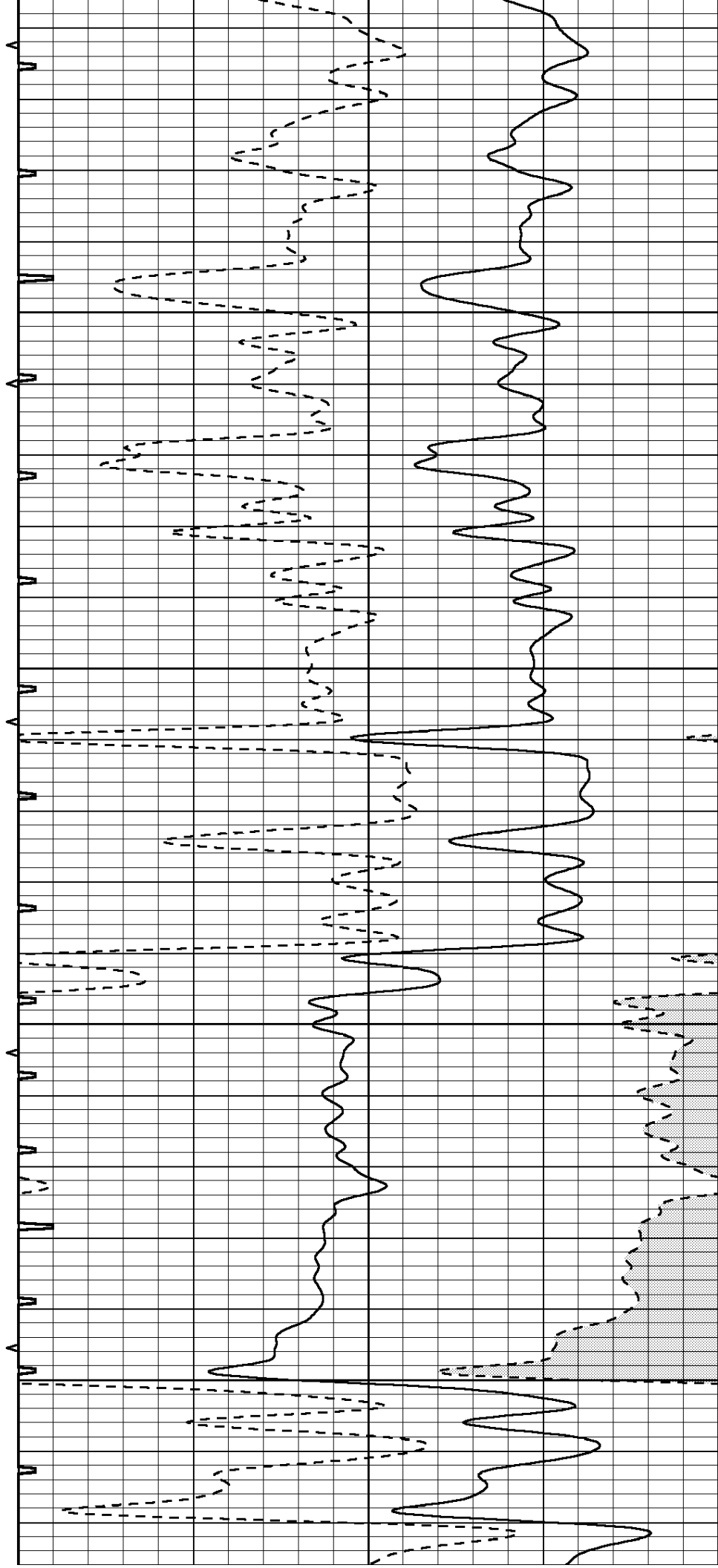


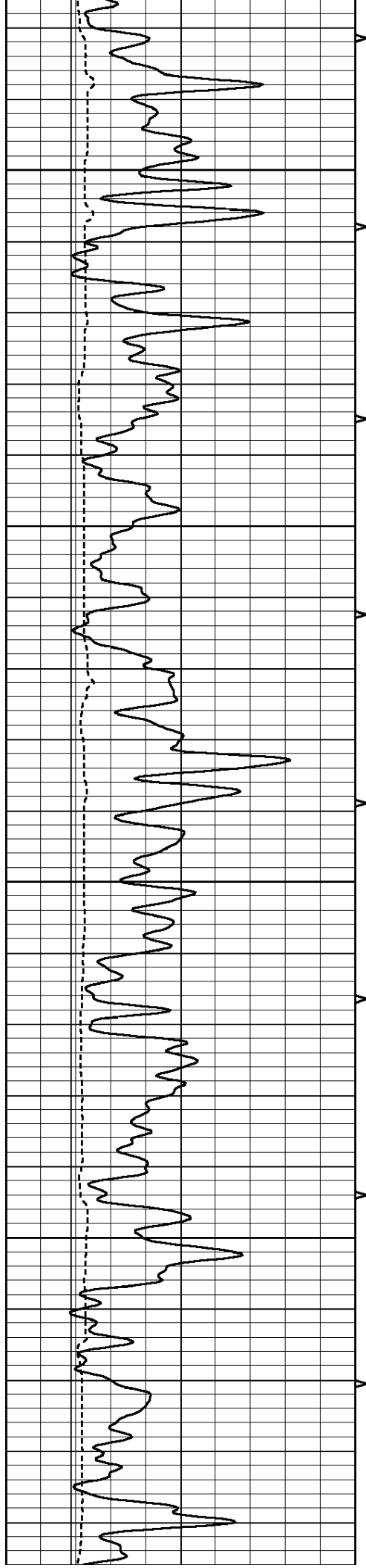
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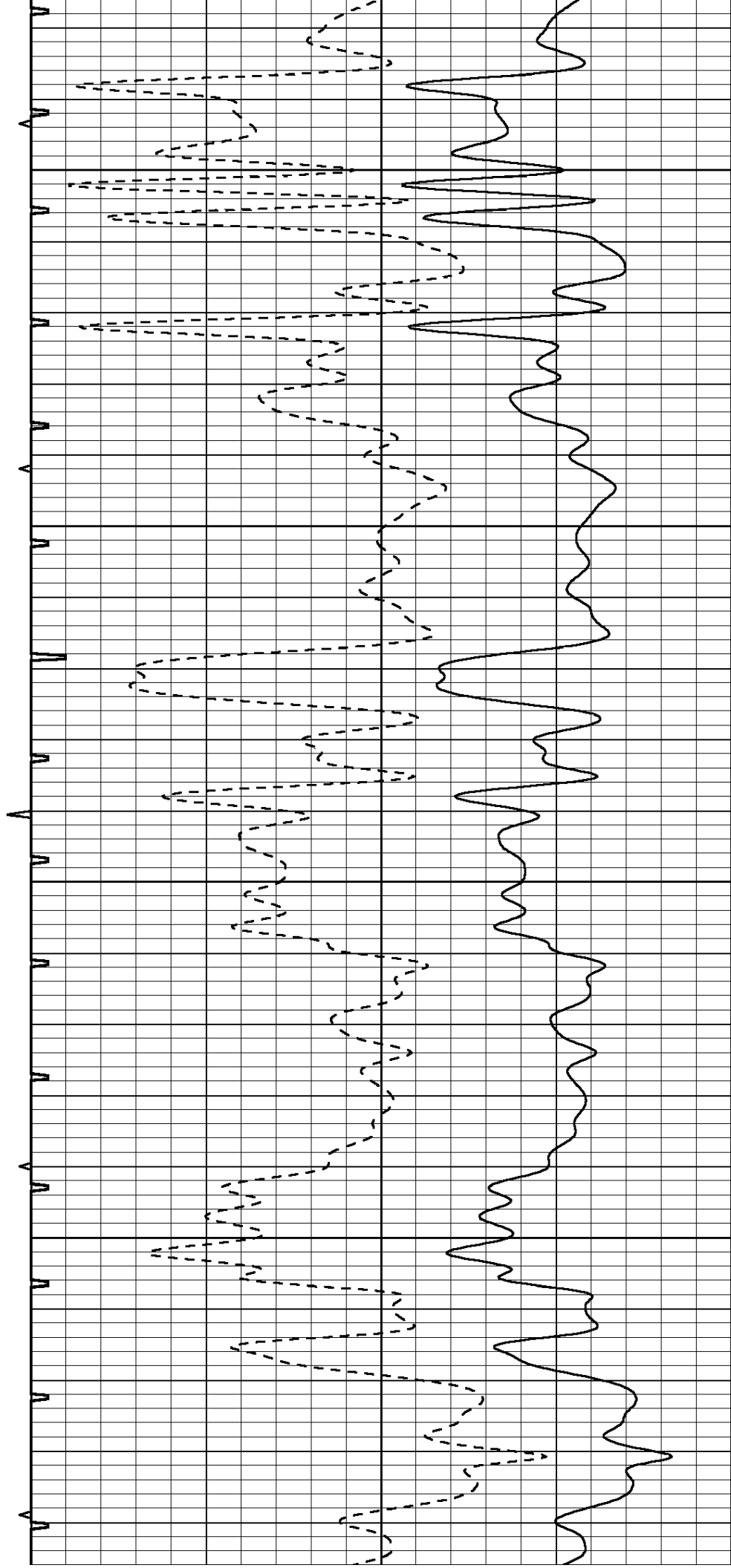


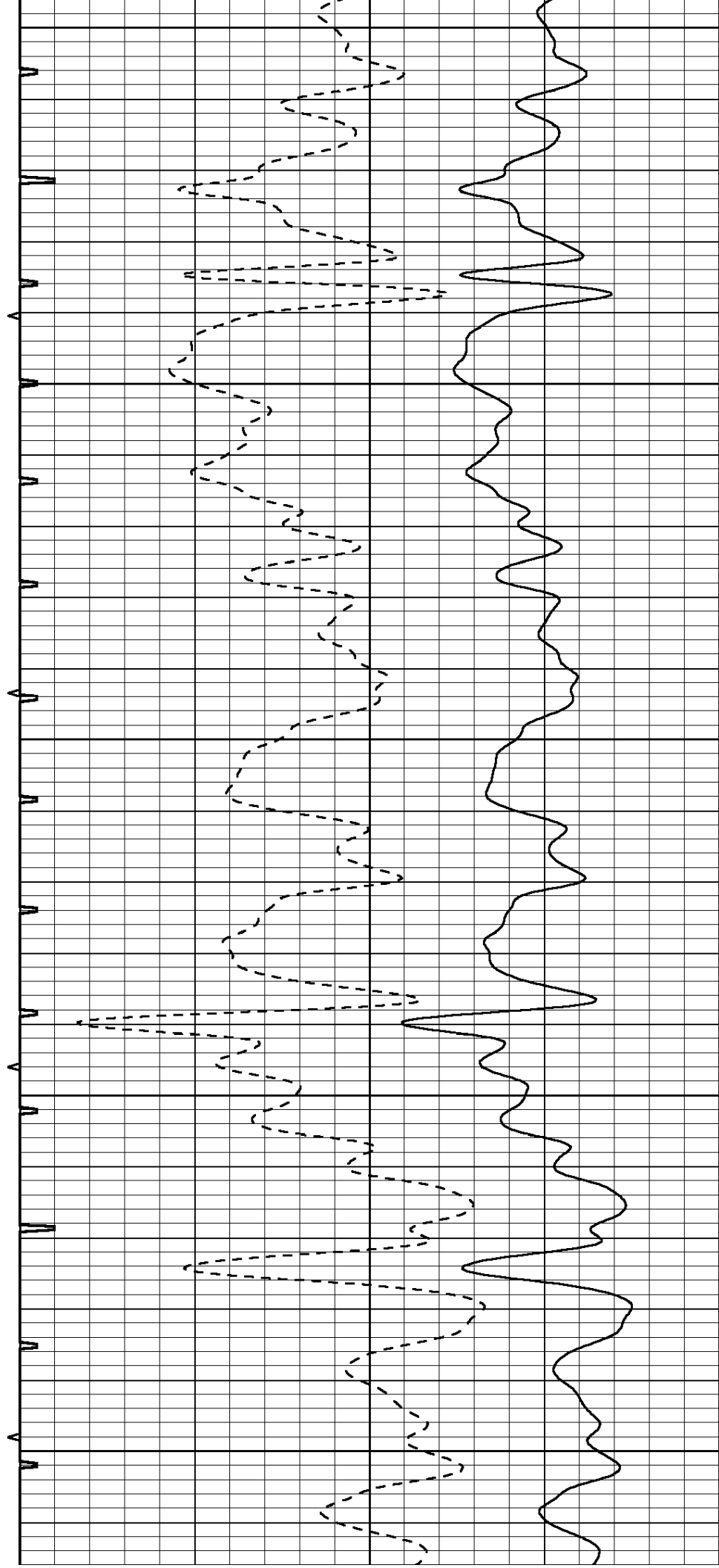
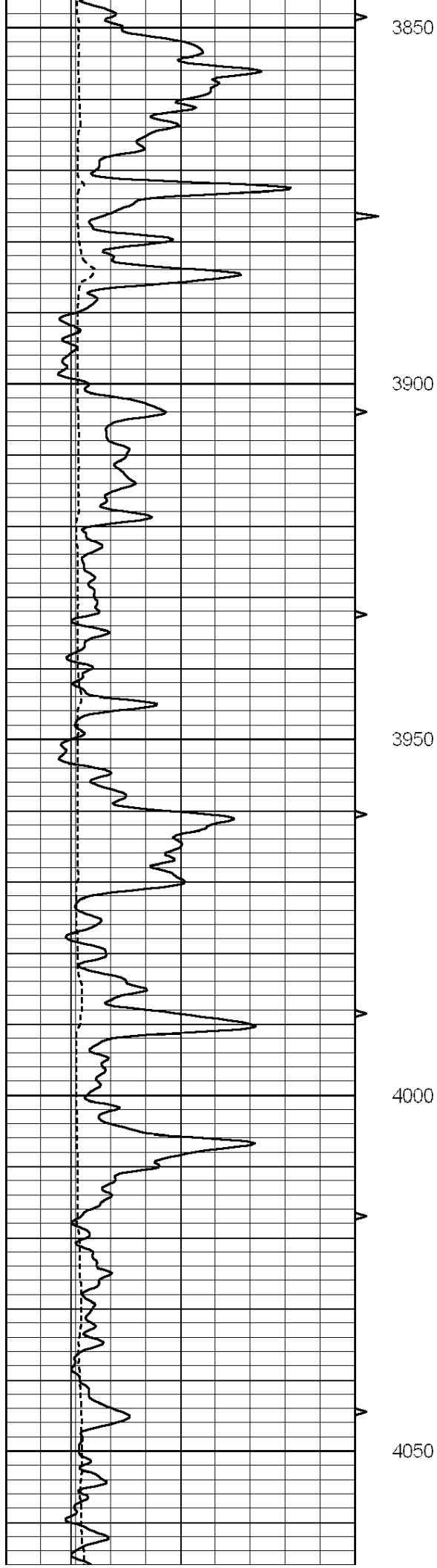
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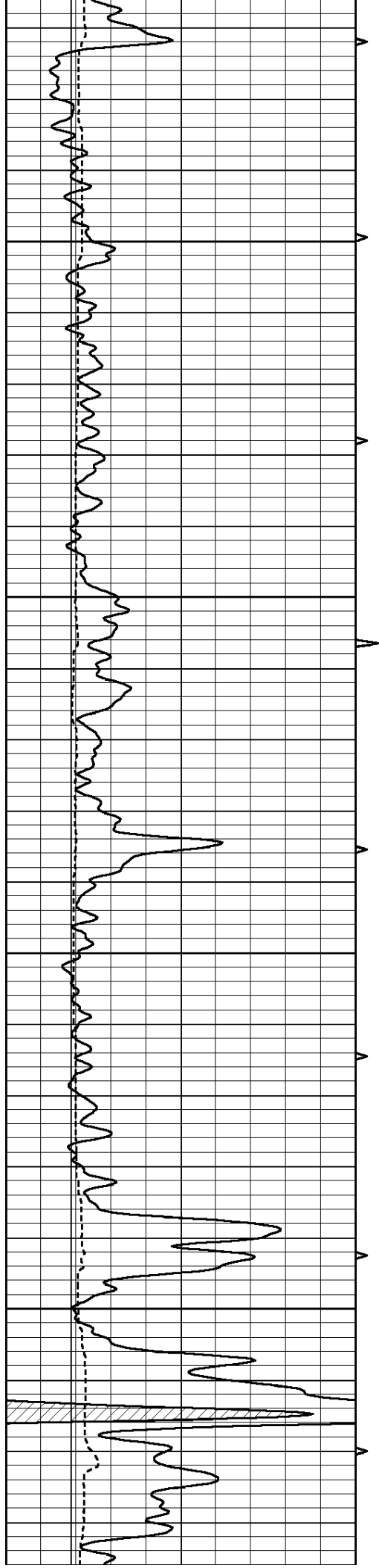
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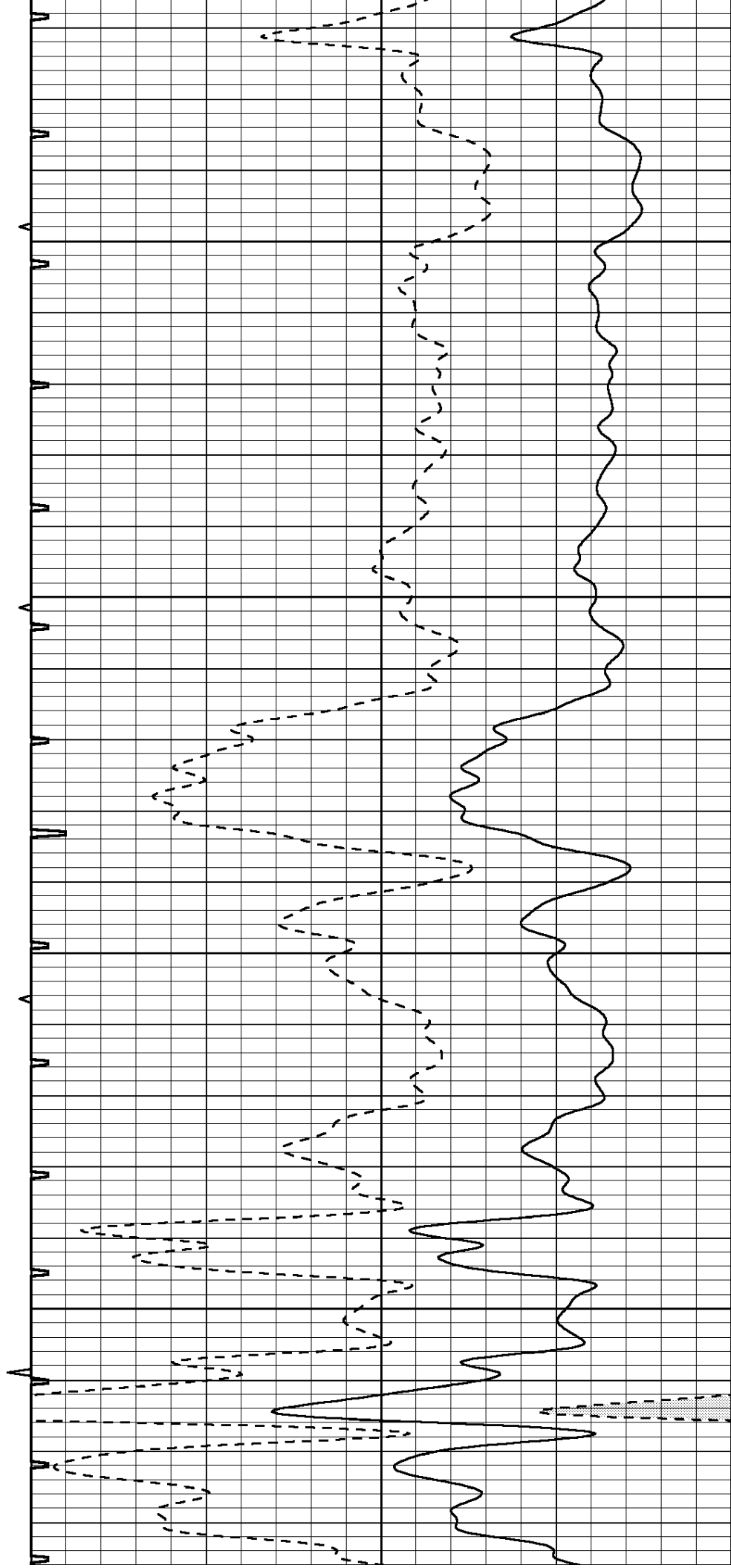


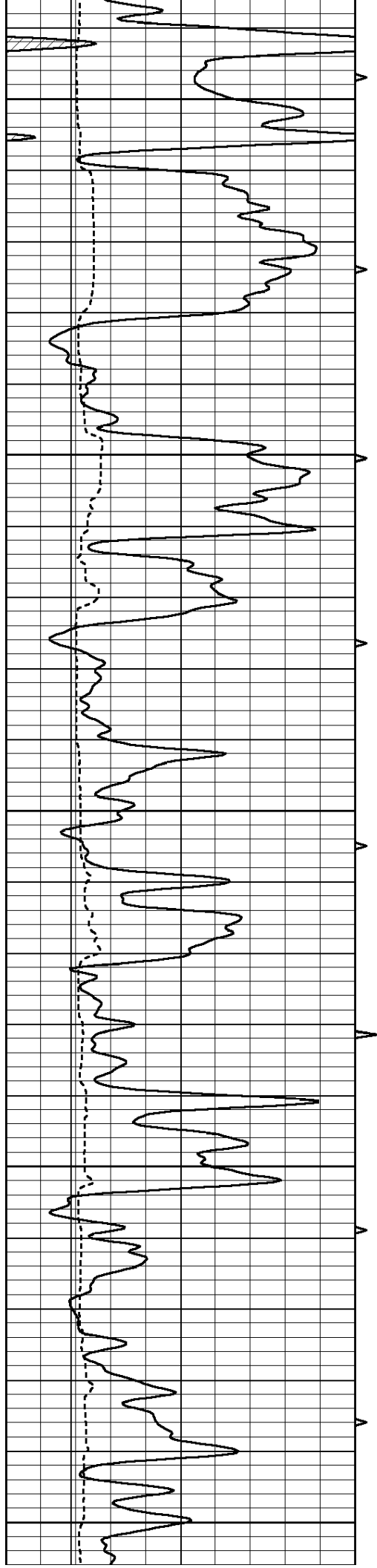
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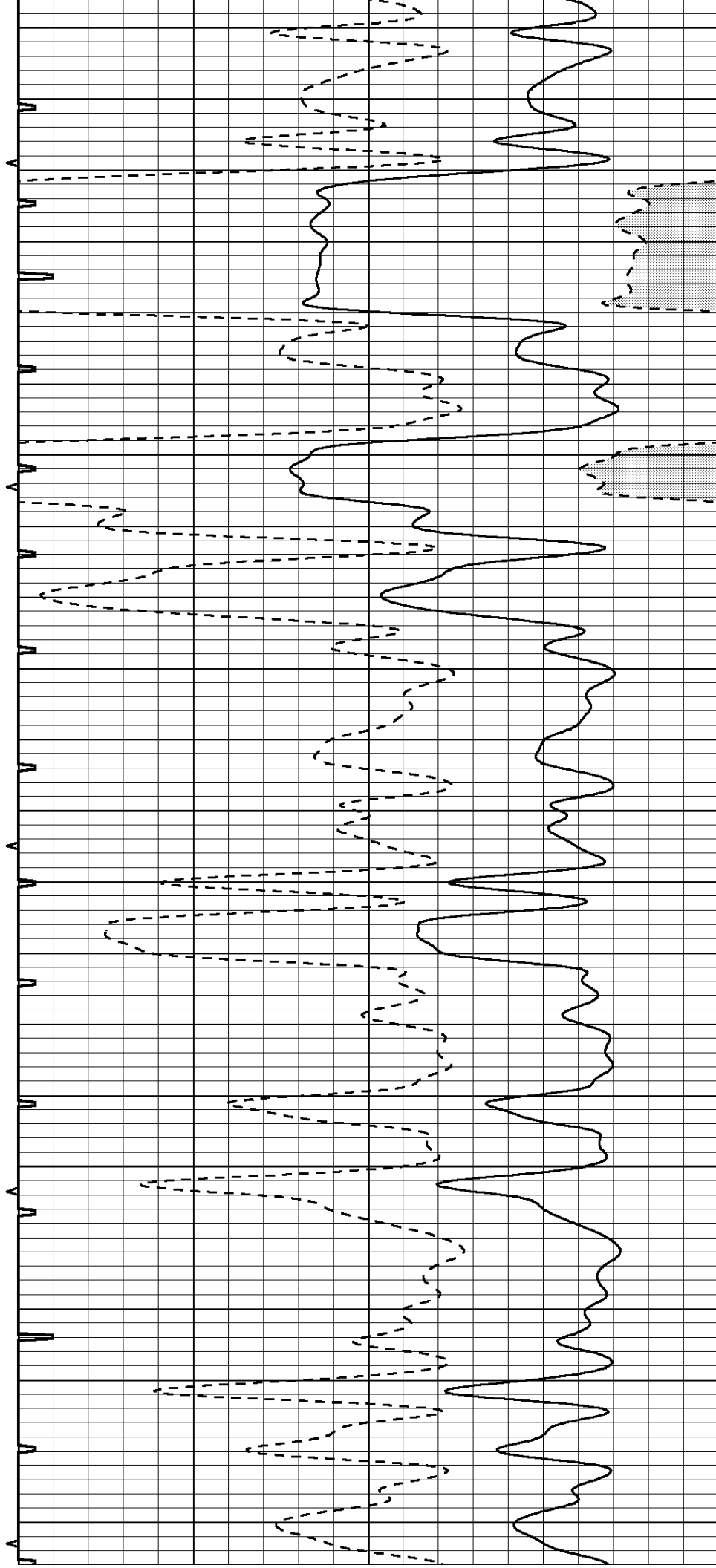
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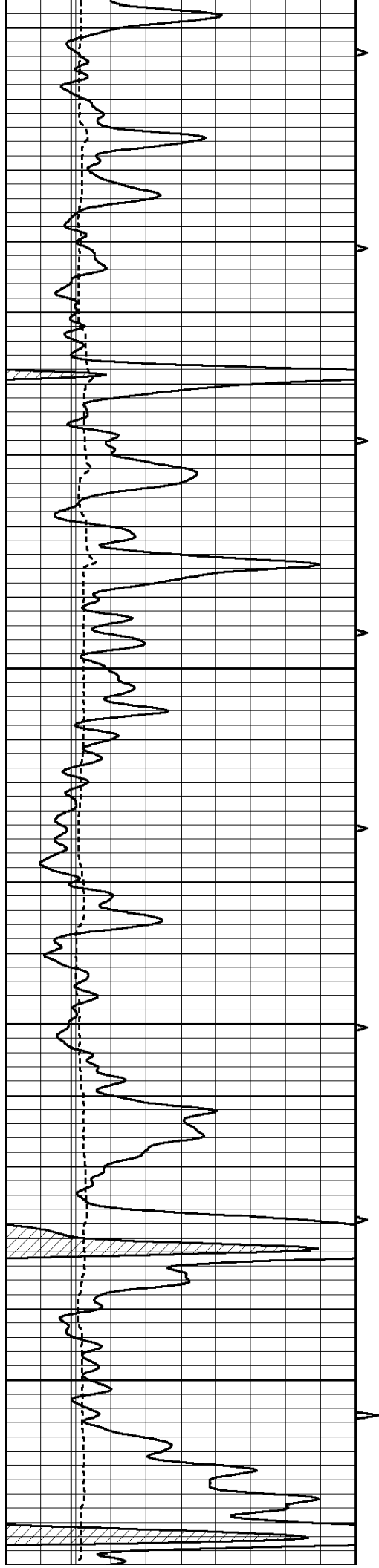
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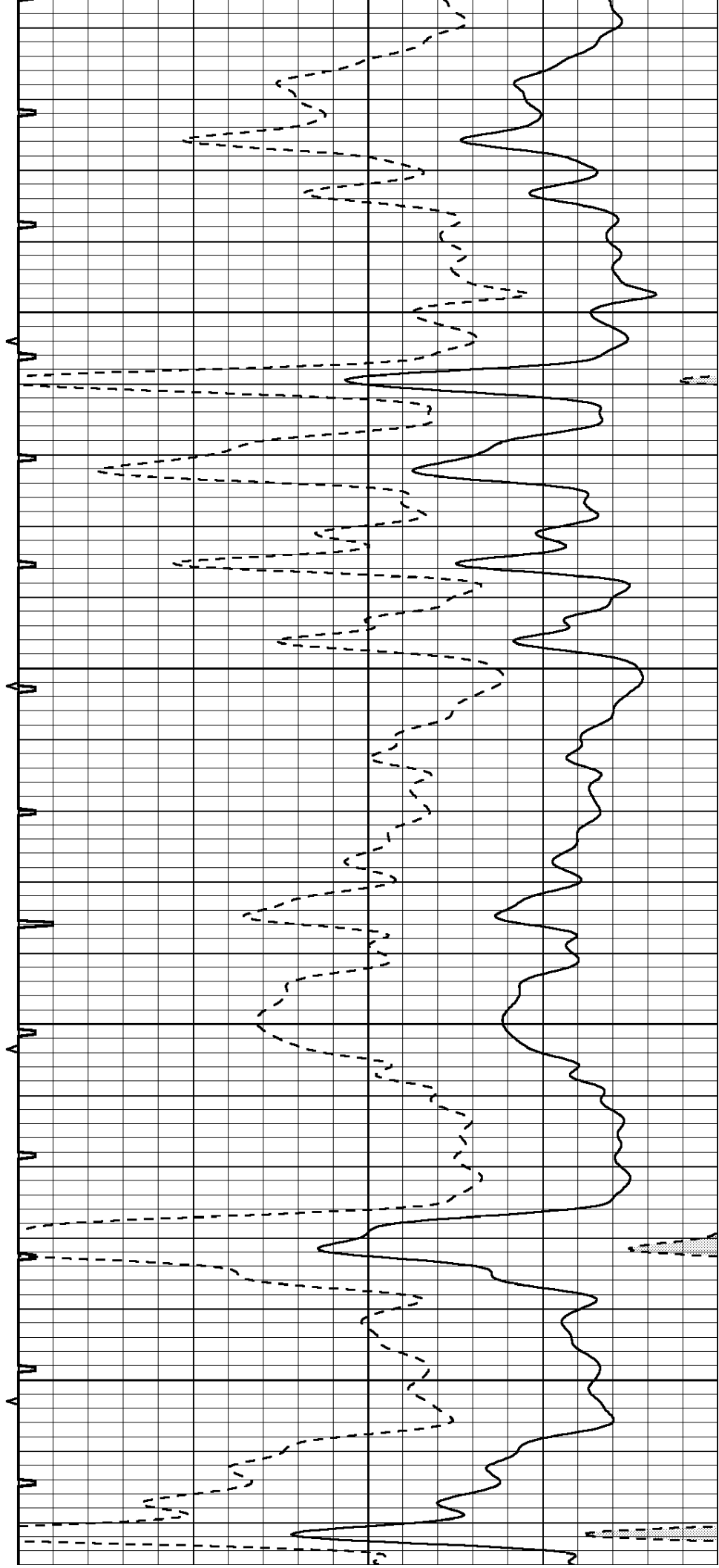


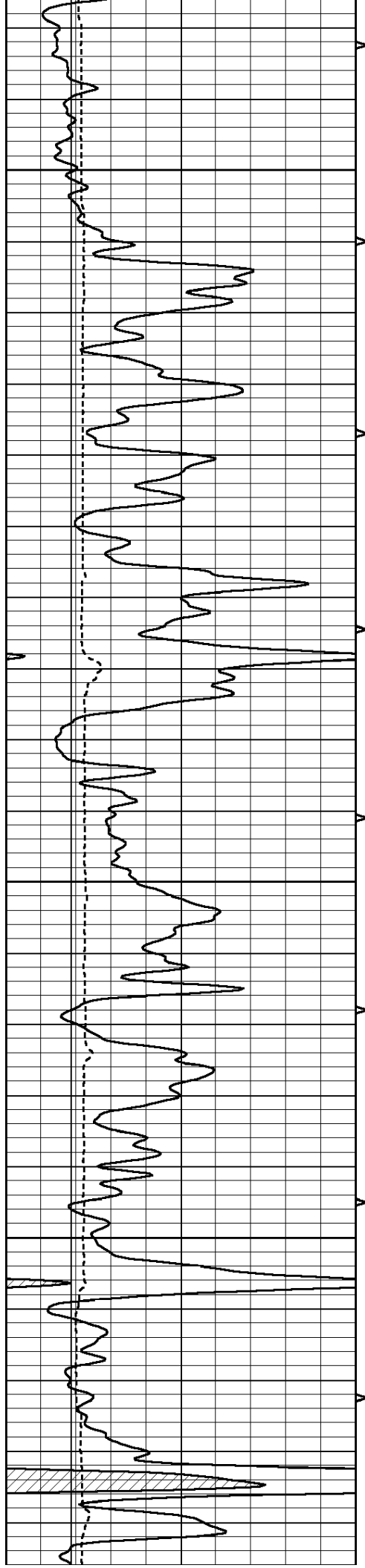
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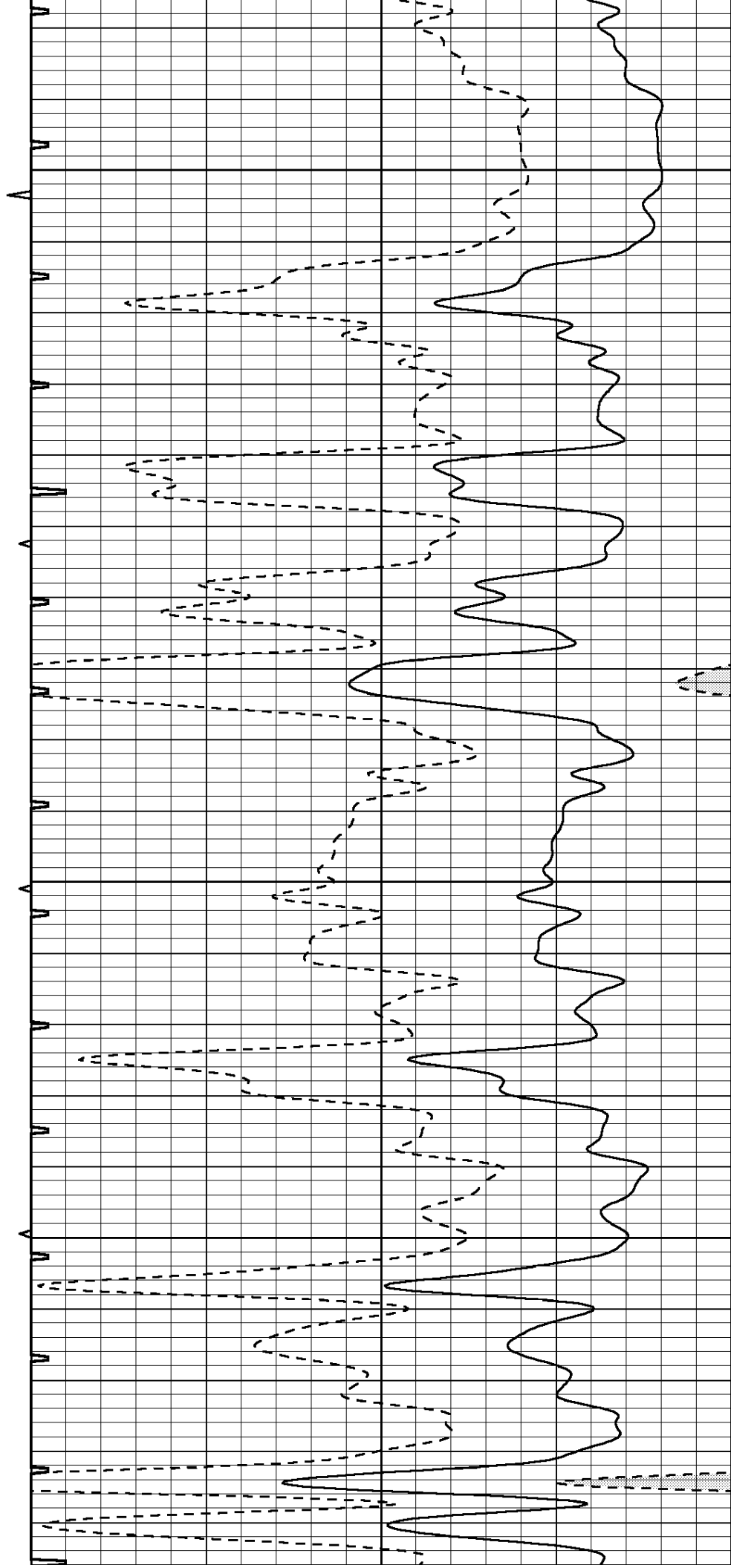


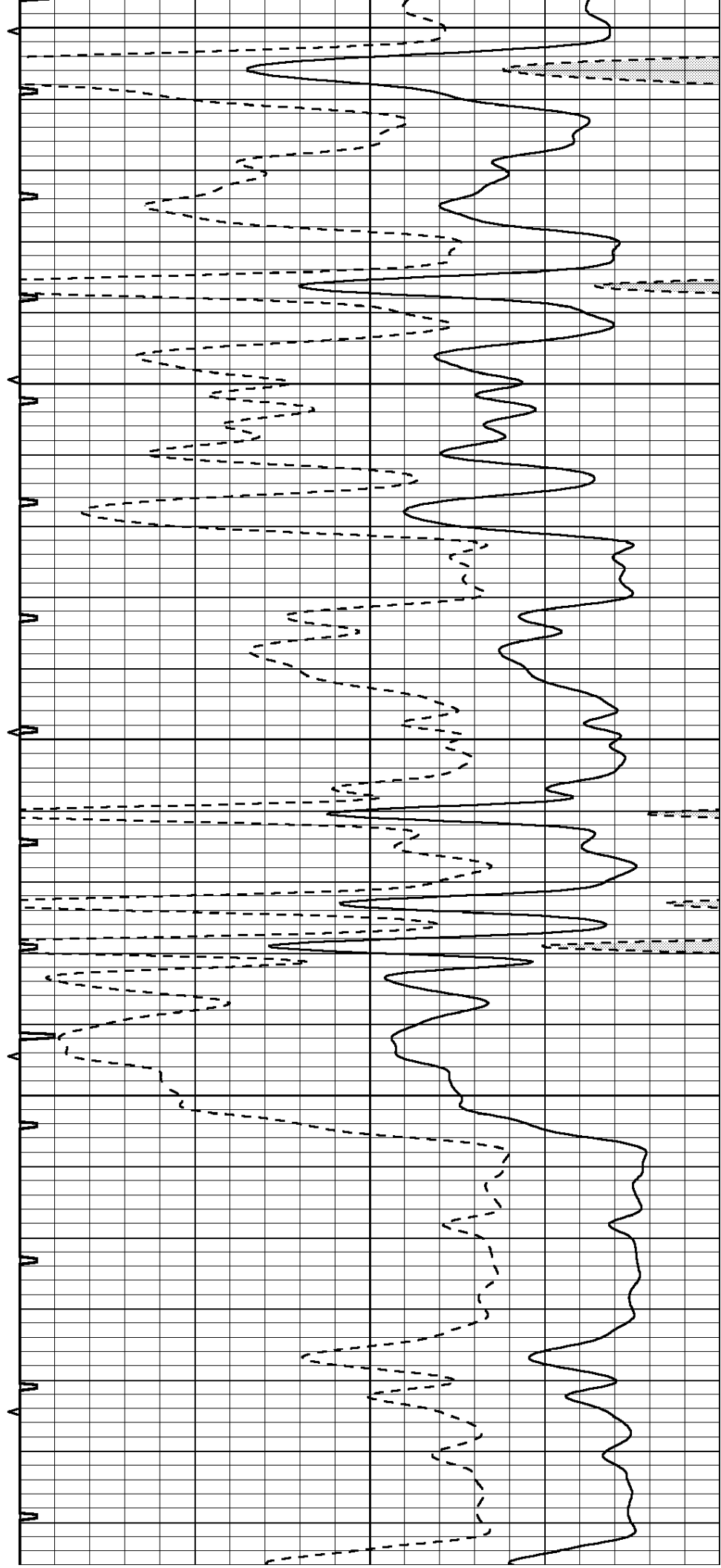
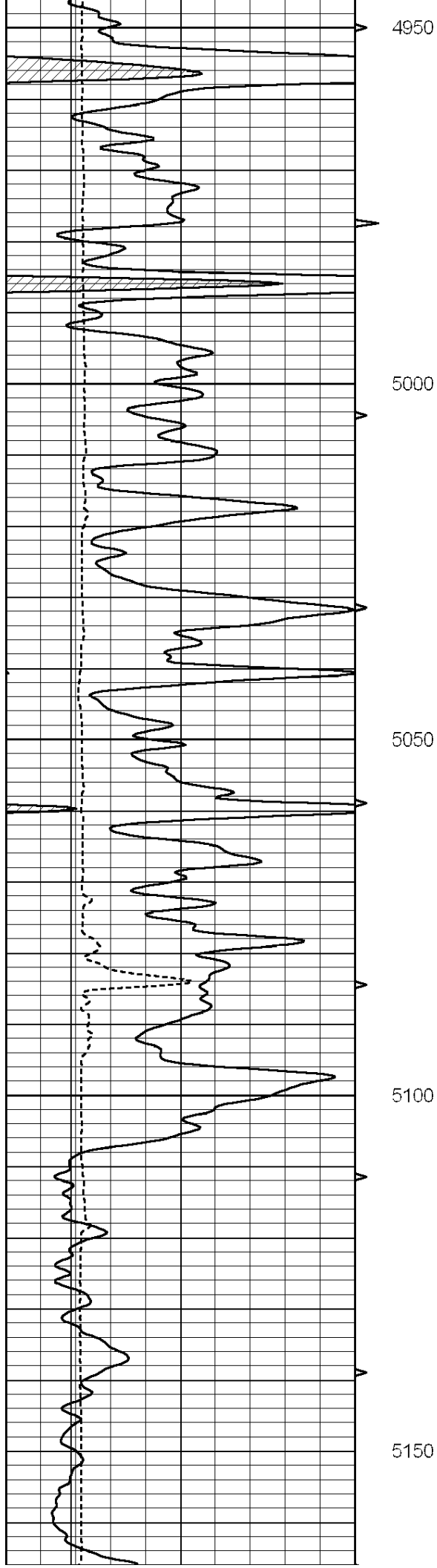
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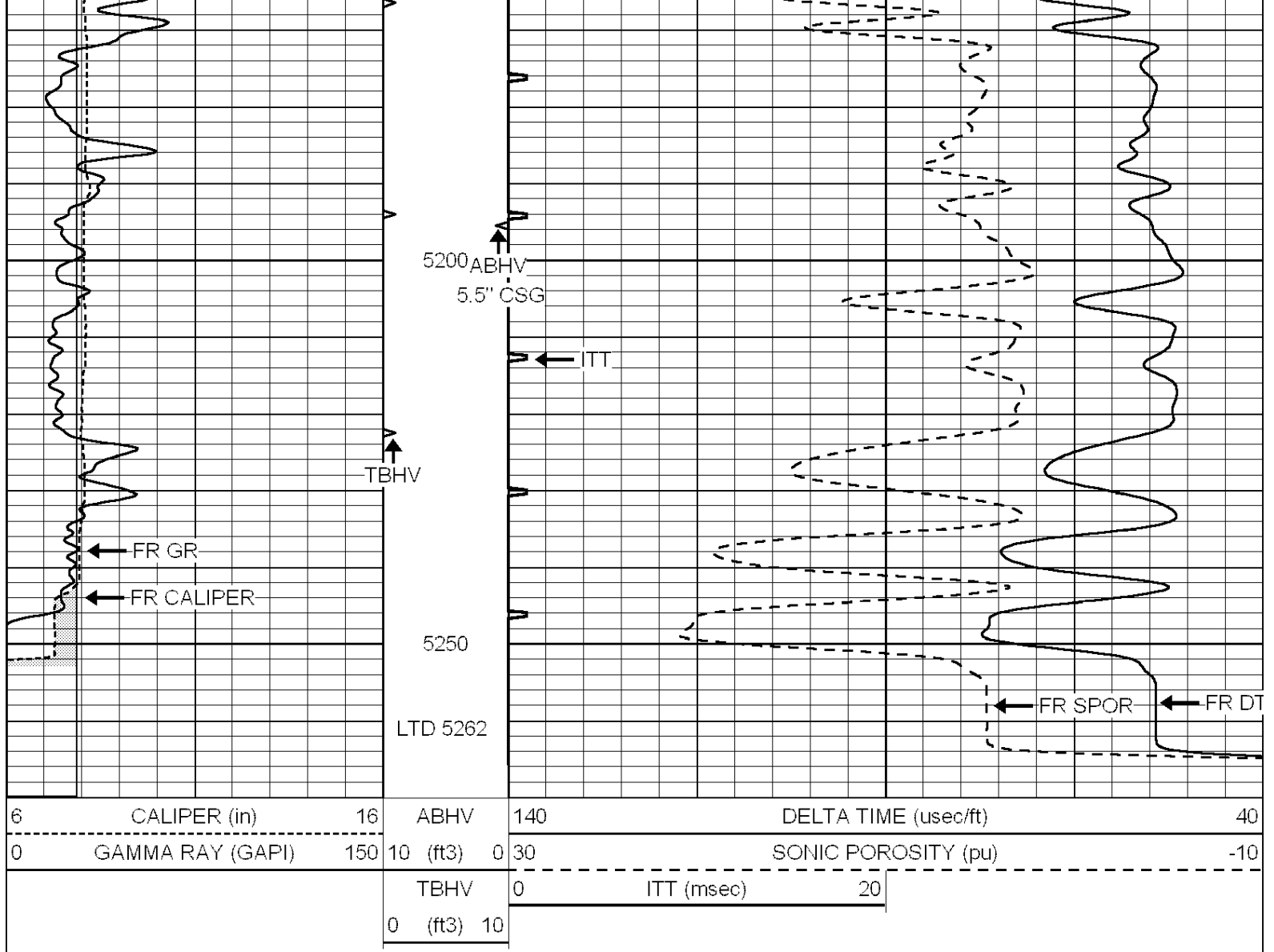
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NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

REPEAT SECTION

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Presentation Format: _slt
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Charted by: Depth in Feet scaled 1:240

