

HIGH RESOLUTION
COMPENSATED DENSITY
SIDEWALL NEUTRON LOG

Company	LAYNE ENERGY OPERATING, LLC	Company	LAYNE ENERGY OPERATING, LLC
Well	SHULTZ # 4M-2	Well	SHULTZ # 4M-2
Field		Field	
County	MONTGOMERY	County	MONTGOMERY
State	KANSAS	State	KANSAS
Location:	API # : 15-125-32056-0000	Other Services	
	NW SW NW NW 771' FNL & 309' FWL	DIL	
Permanent Datum	GL	Elevation	916'
Log Measured From	GL	K.B. ---	
Drilling Measured From	GL	D.F. ---	
		G.L. 916'	
Date	4-27-2011		
Run Number	ONE		
Depth Driller	1286'		
Depth Logger	1286'		
Bottom Logged Interval	1284'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 21'		
Casing Logger	8.625" @ 21'		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmt @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmt / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW1		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER	SPENCER TYLER	
Witnessed By	MR. TAYLOR		

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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

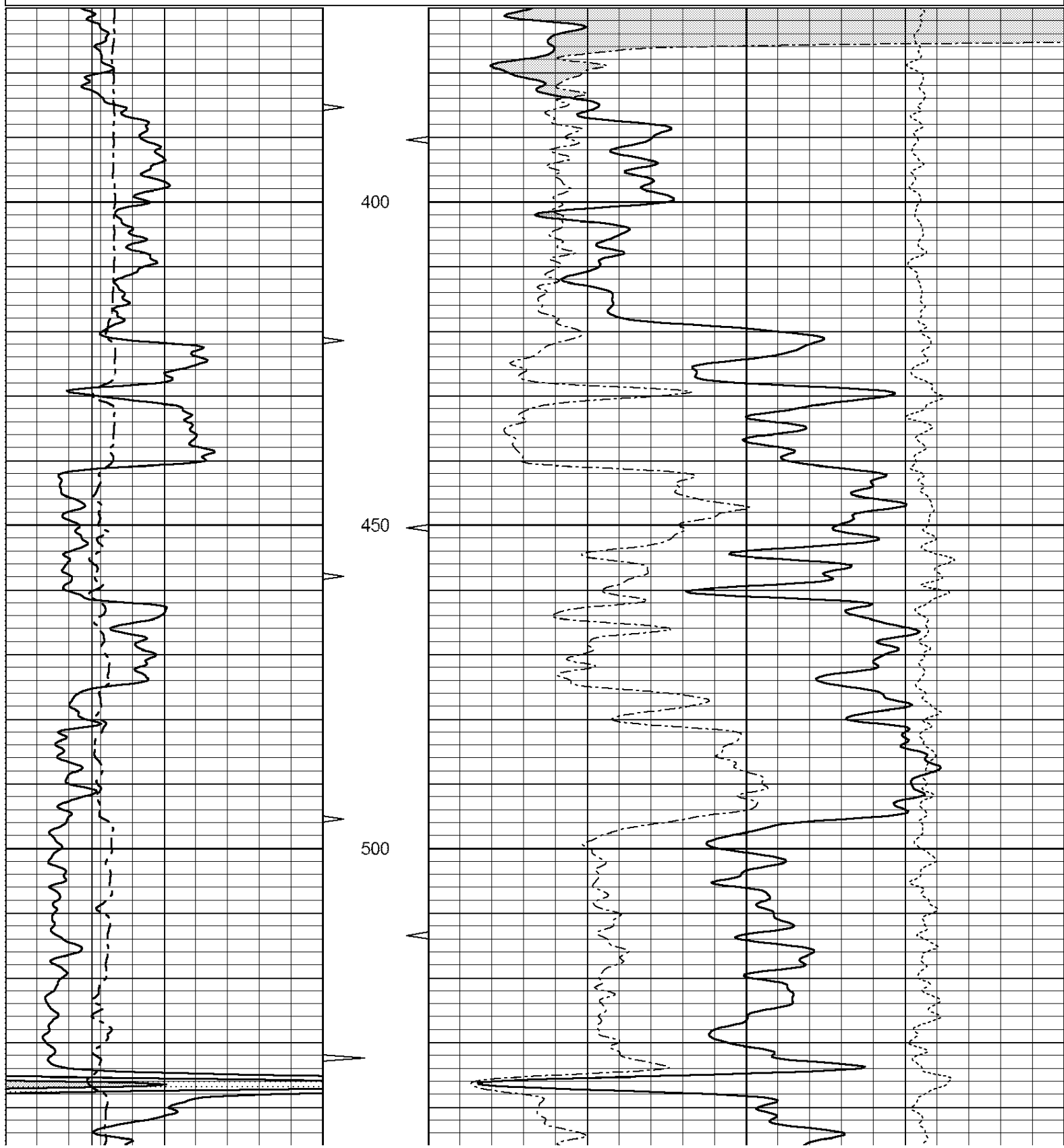
OW1-7767
MATRIX LIMSTONE 2.68 G/CC
ABHV COMPUTED WITH 4 1/2 " CASING

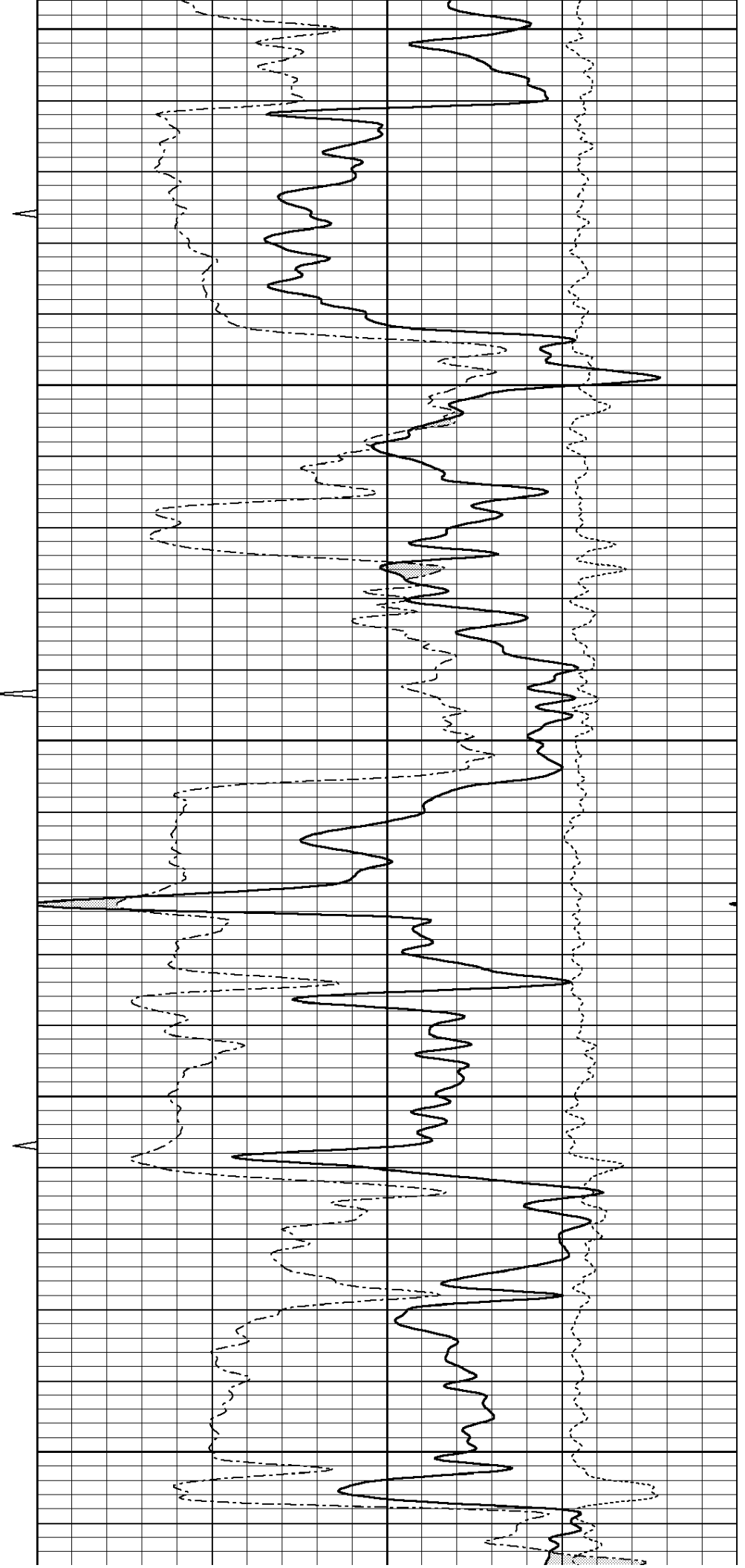
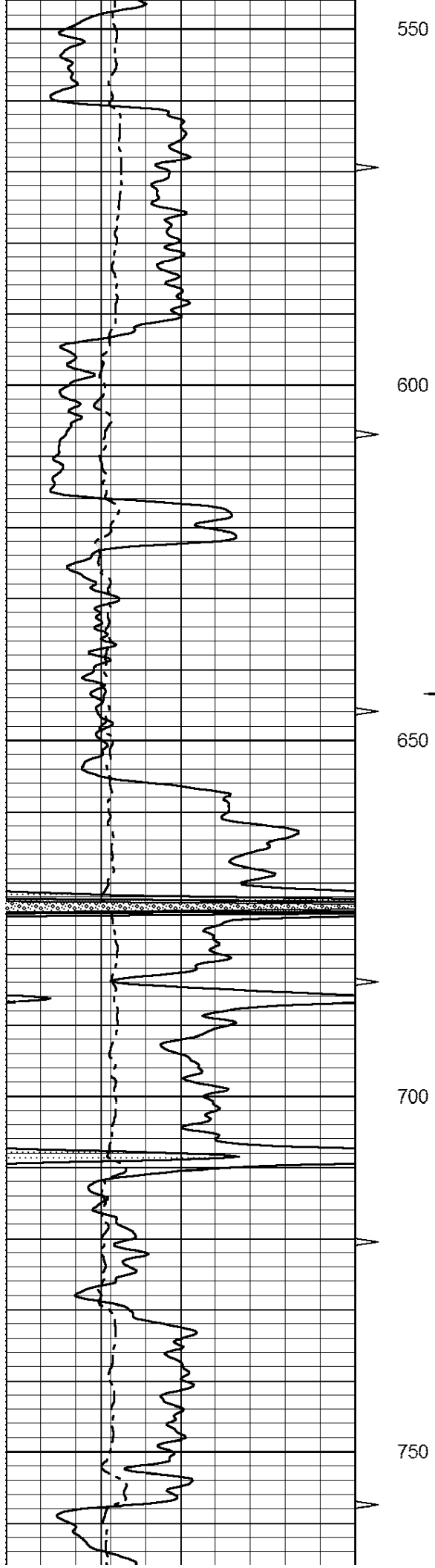


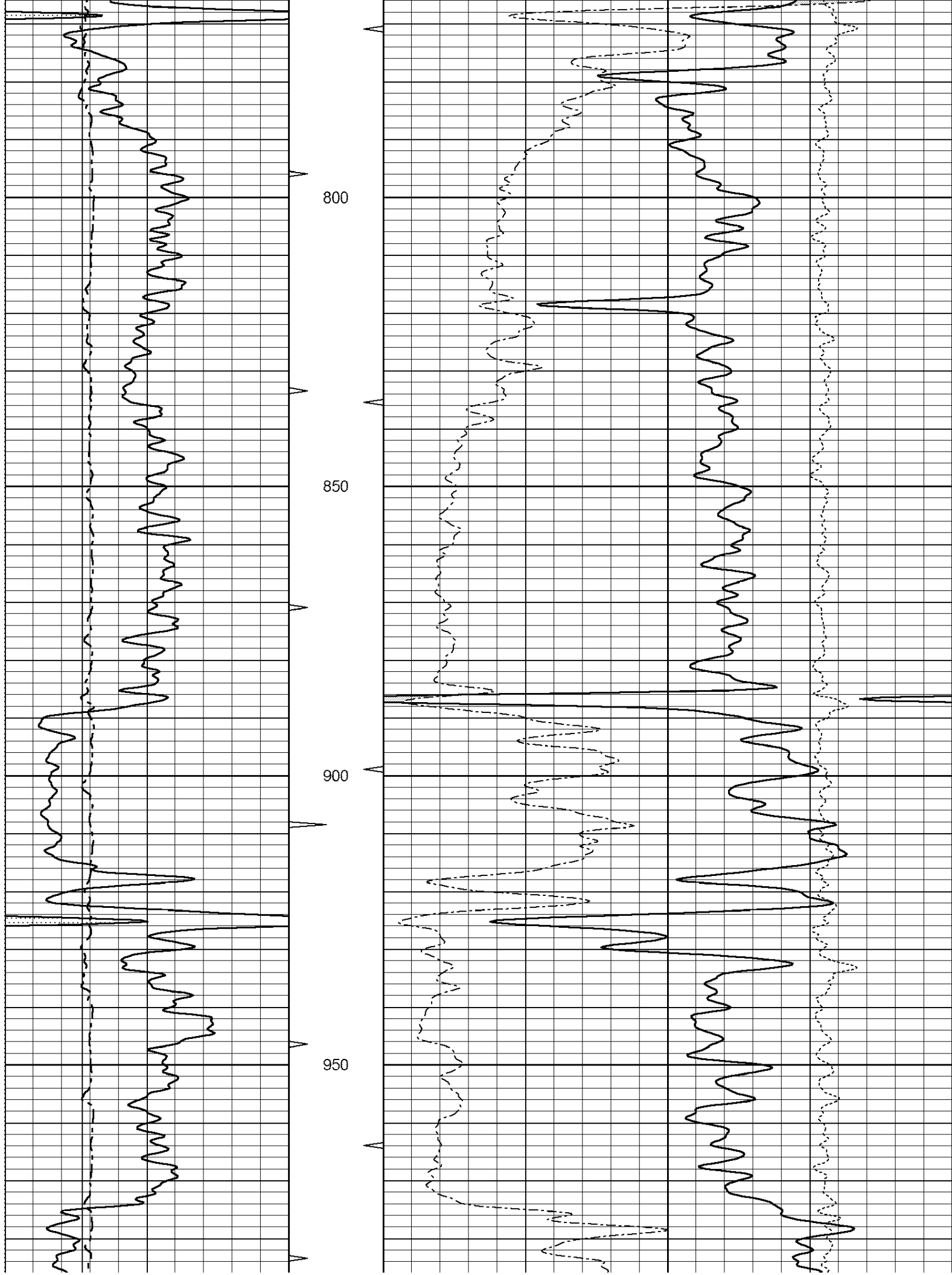
5" CDL/SWN 2.68 SECTION

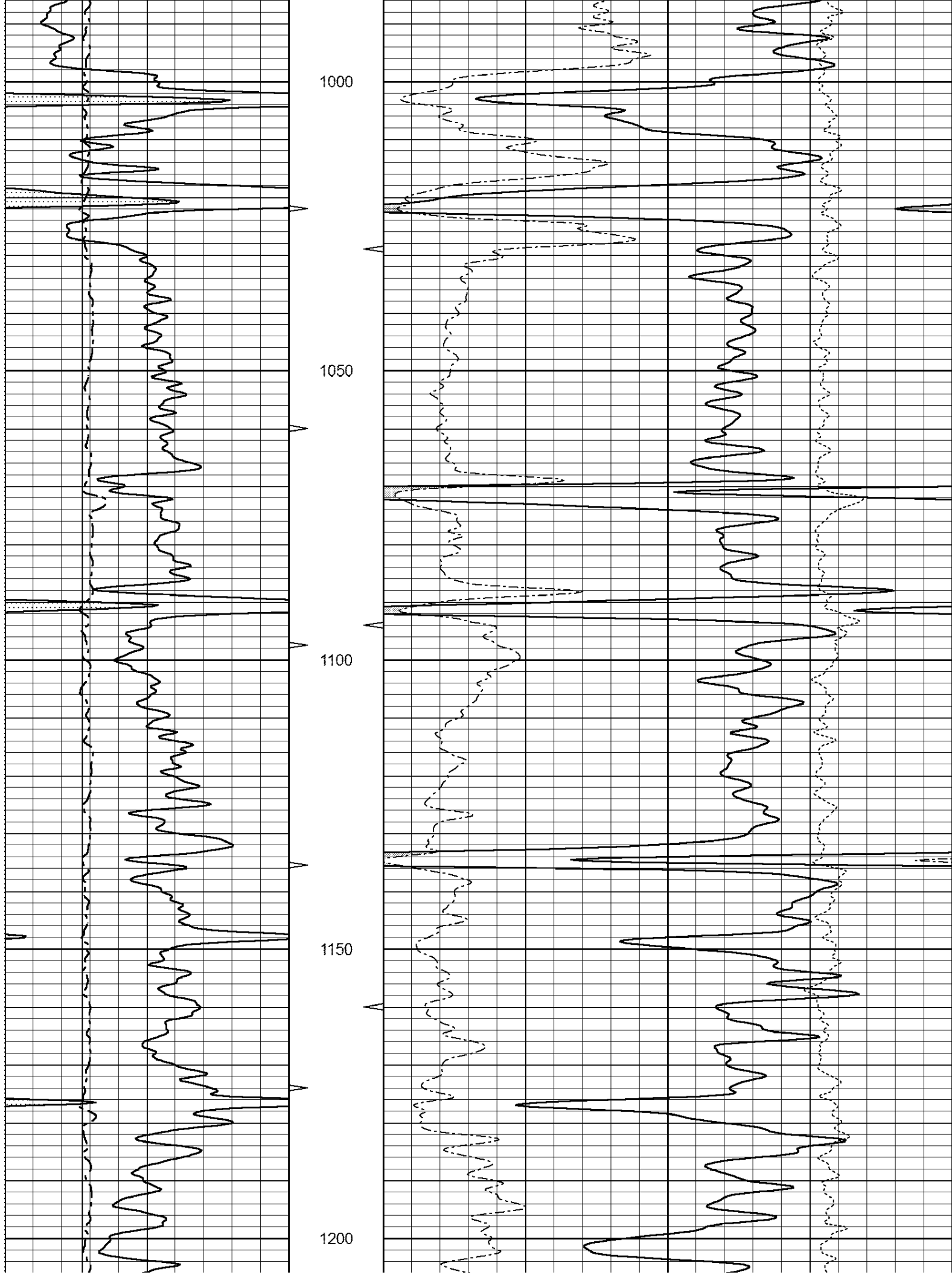
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Dataset Creation: Wed Apr 27 17:27:13 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

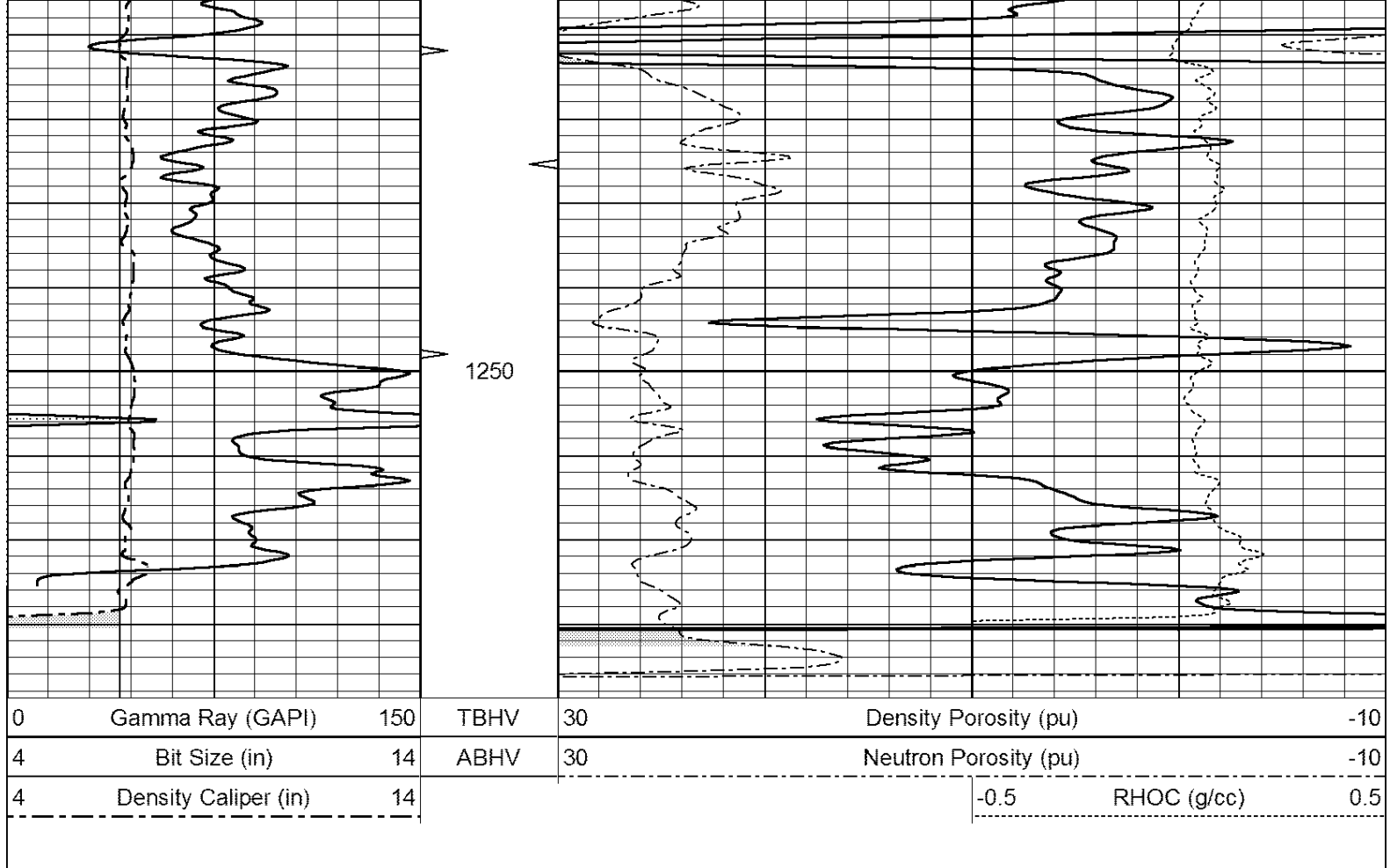
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4	Bit Size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Density Caliper (in)	14			-0.5	RHOC (g/cc) 0.5







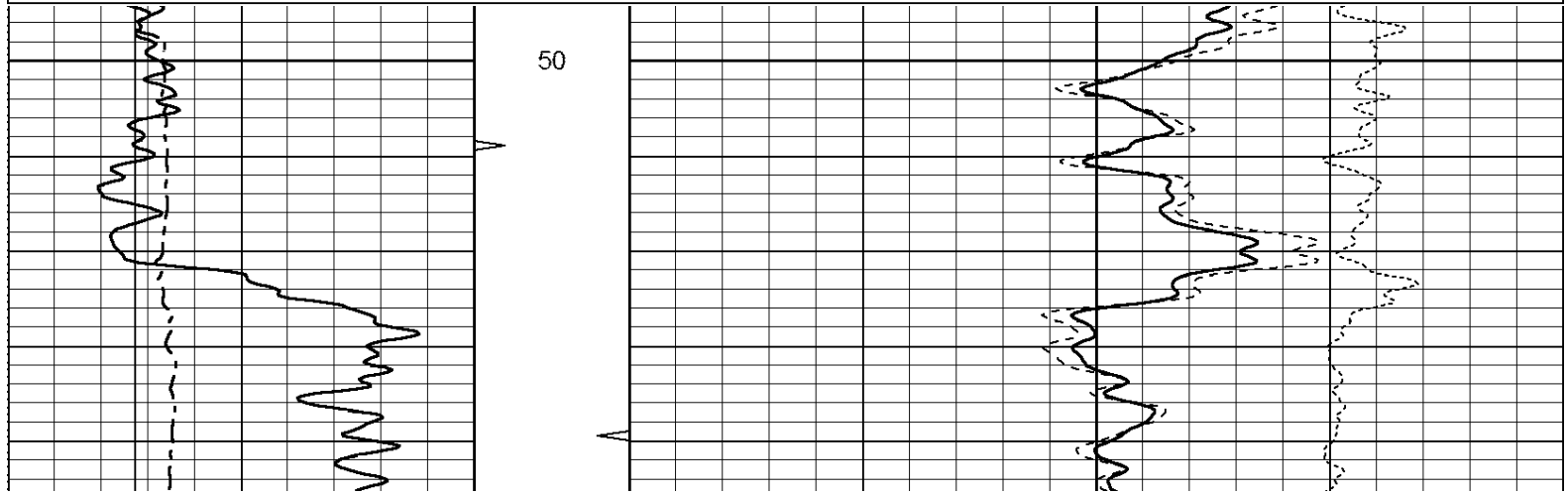


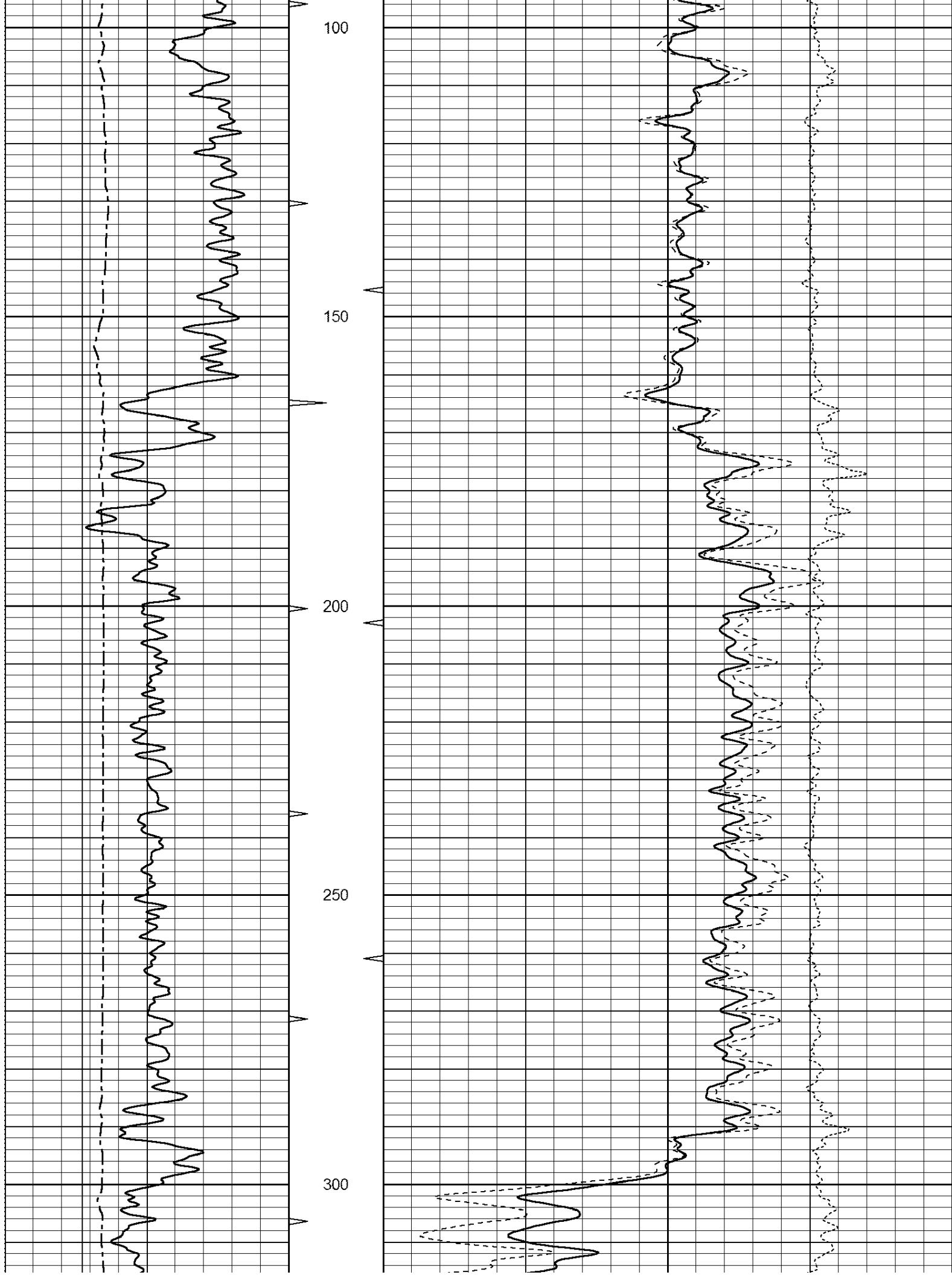


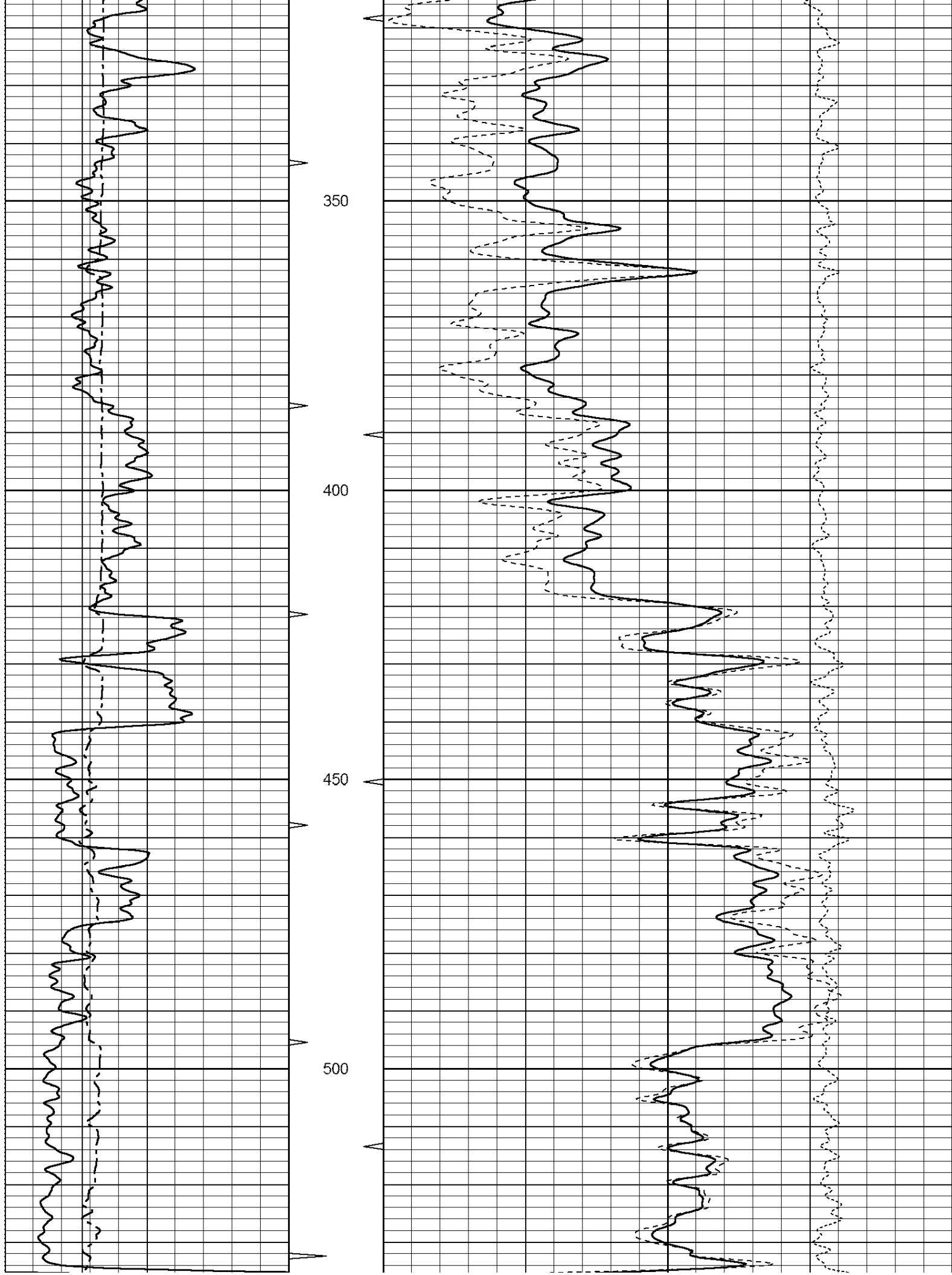
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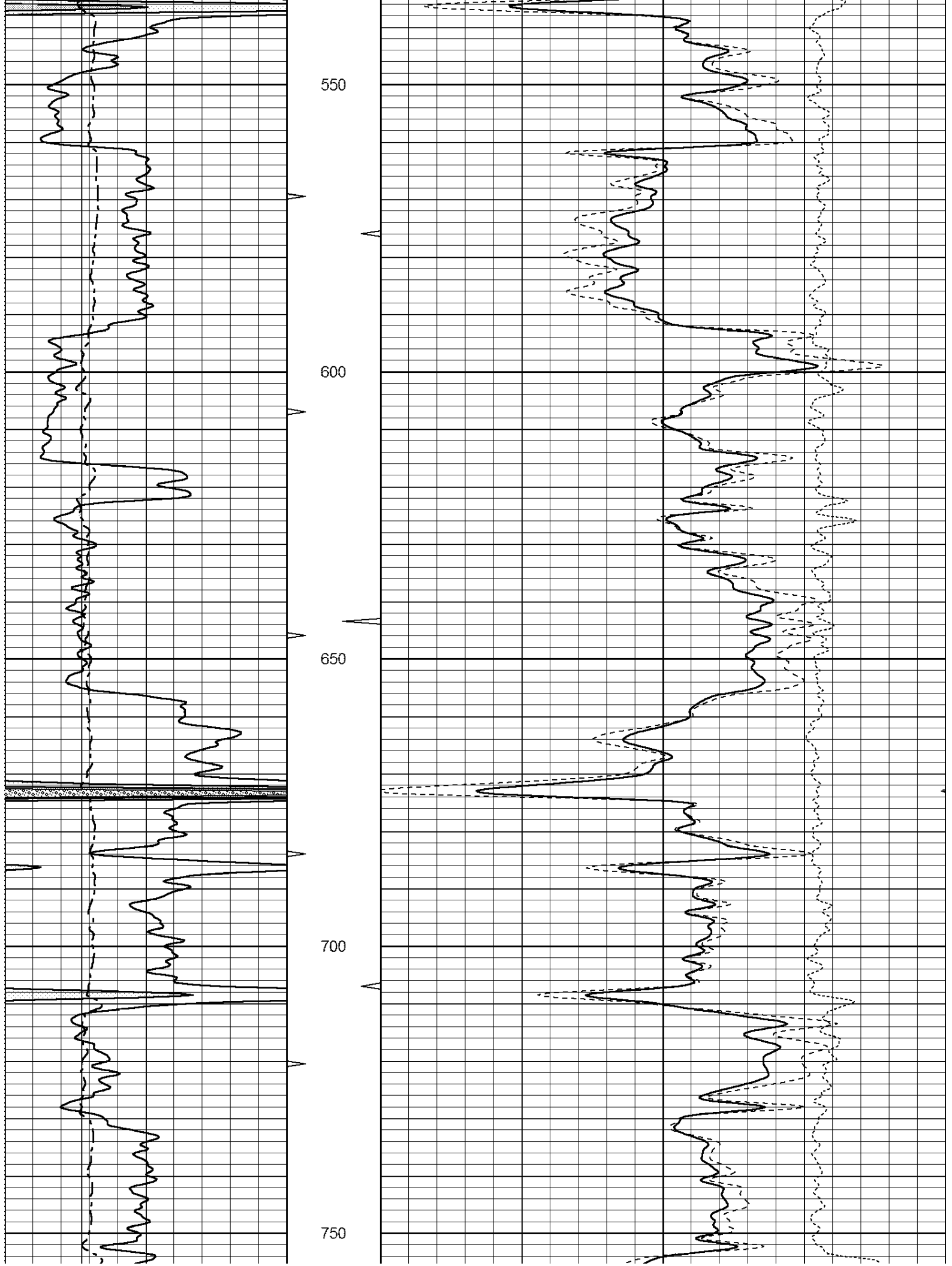
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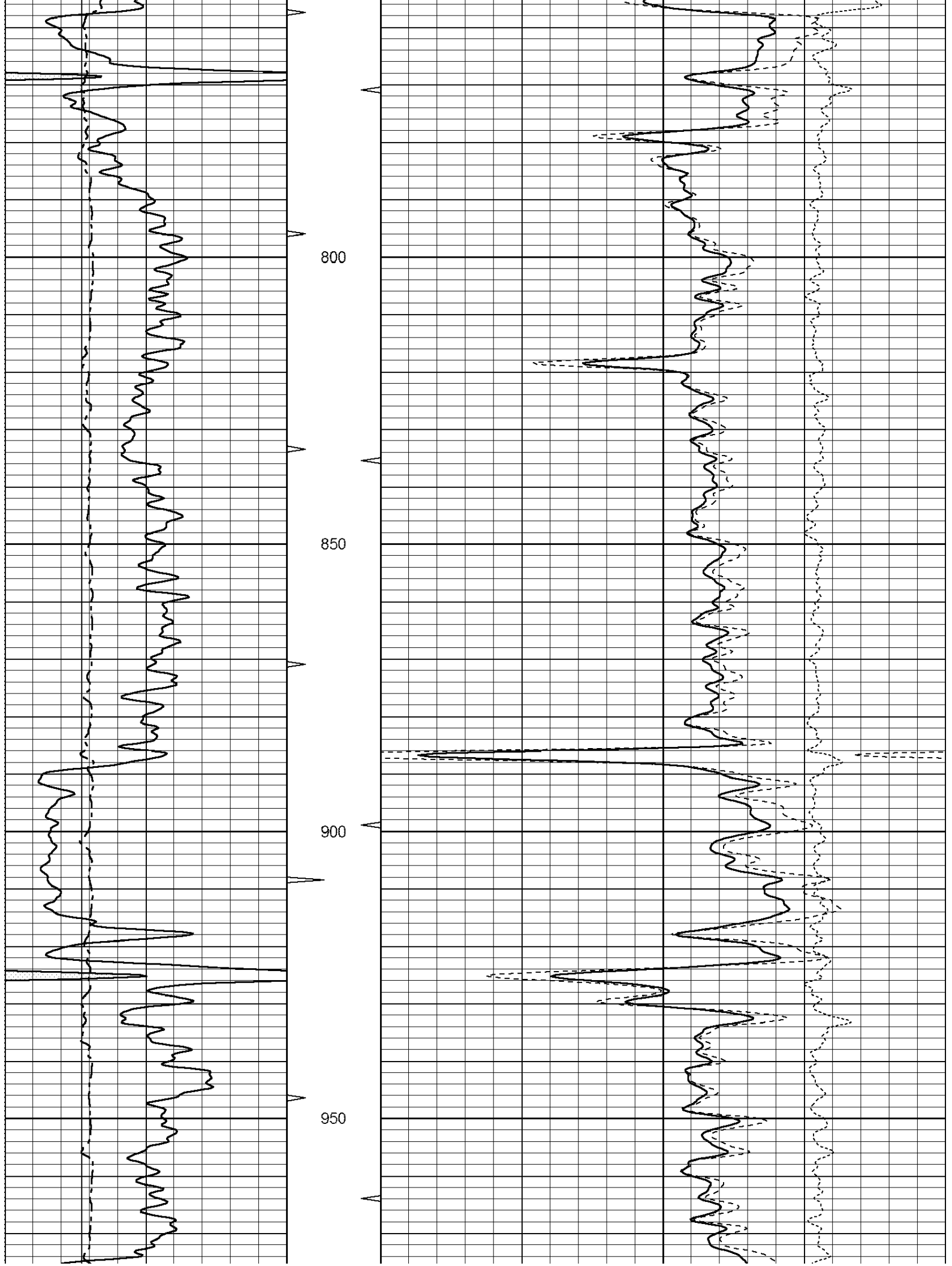
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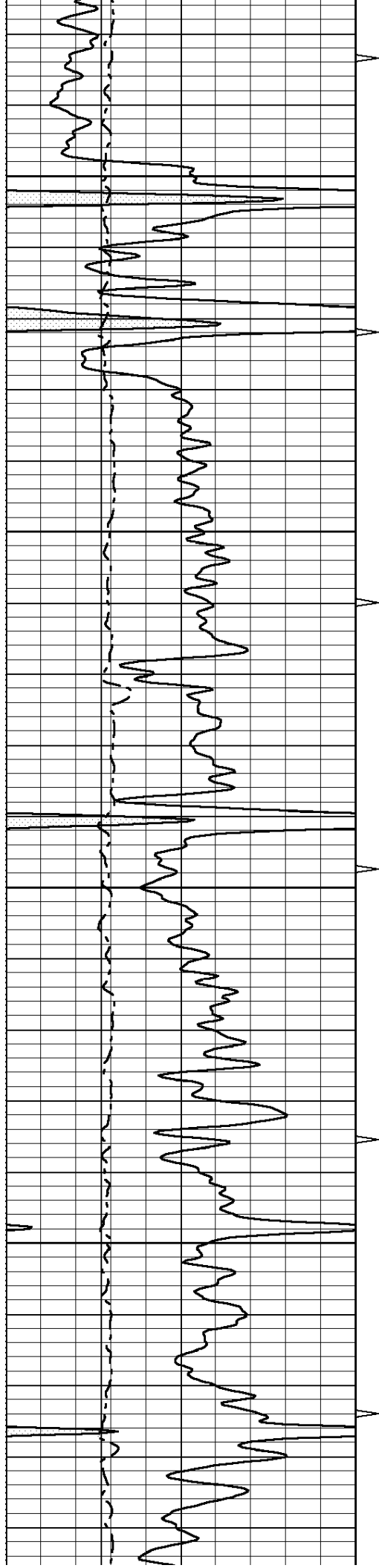










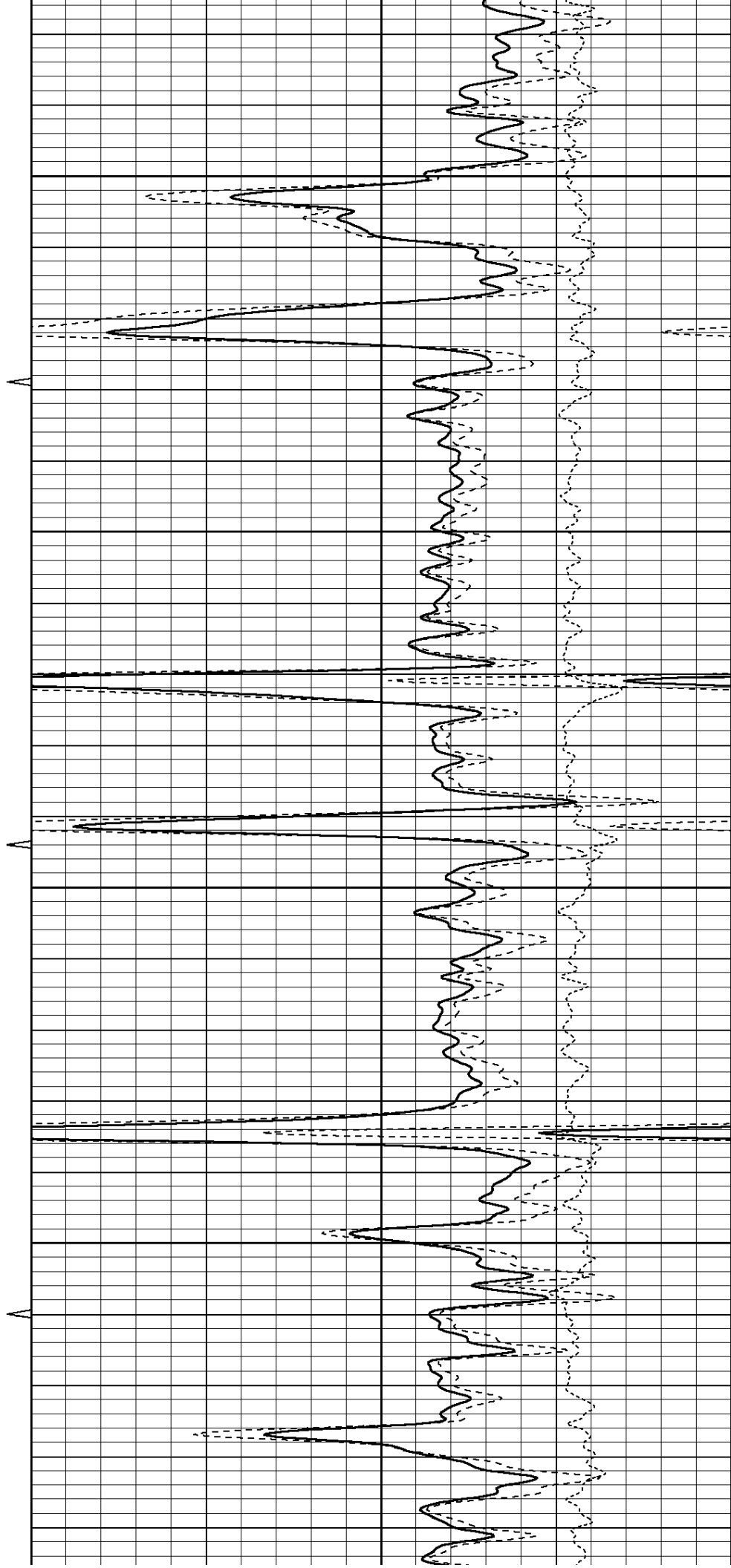


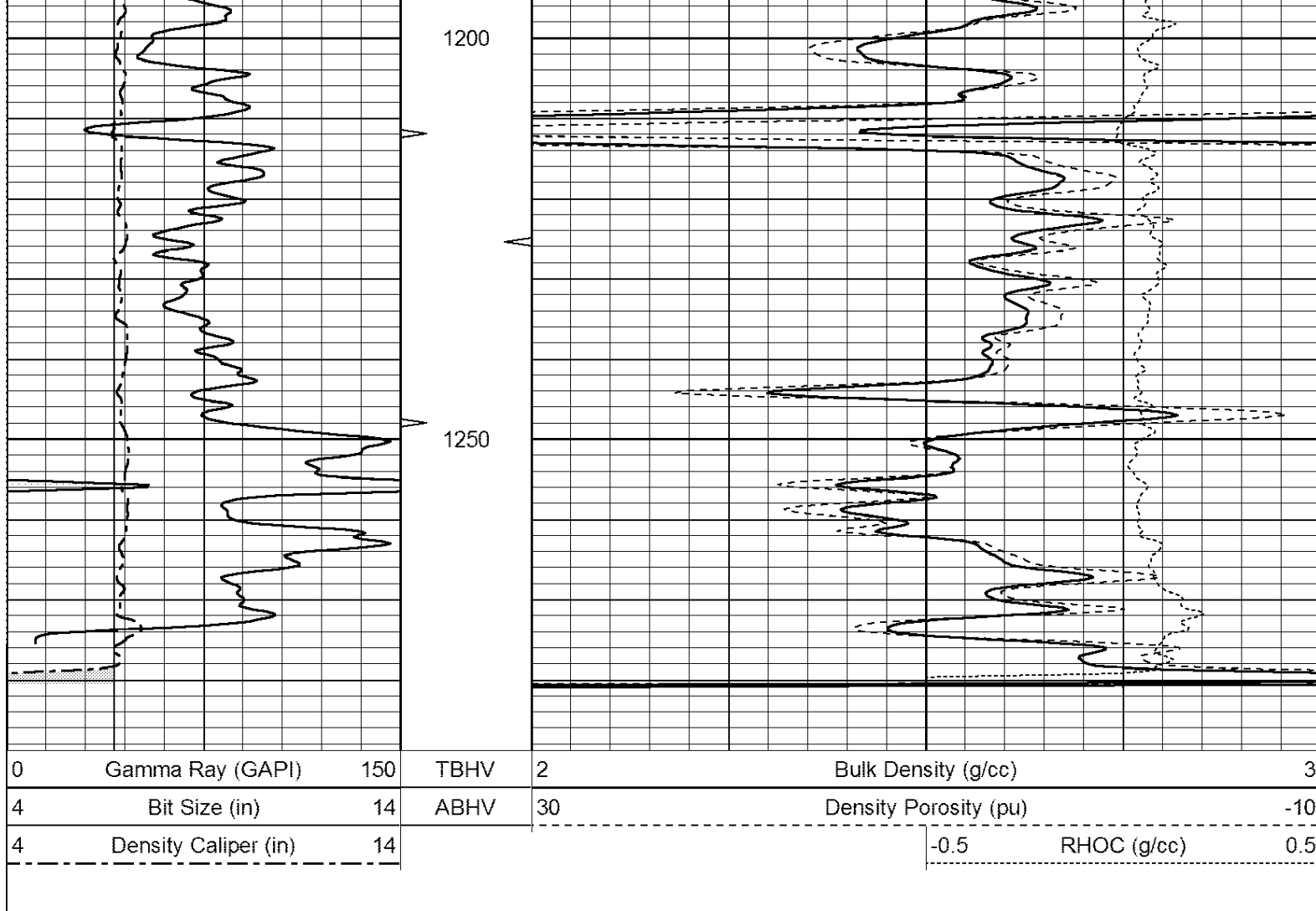
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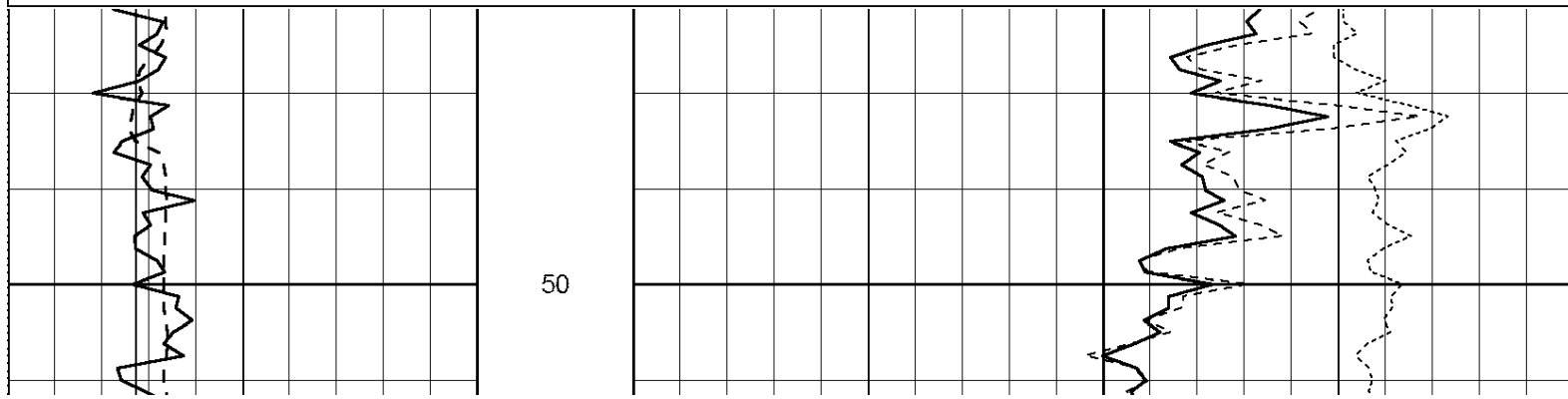


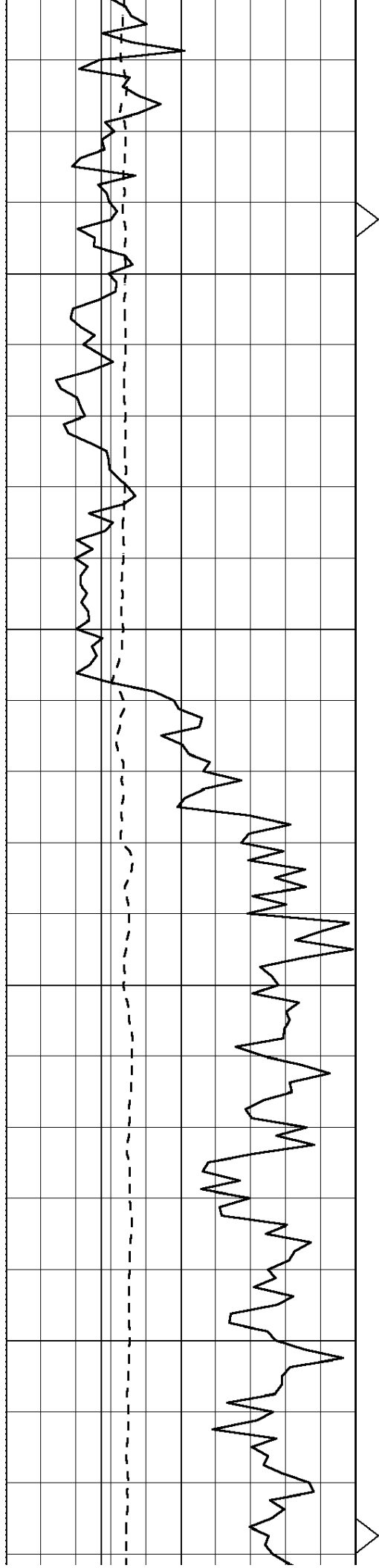


25" HR CDL 2.68 SECTION

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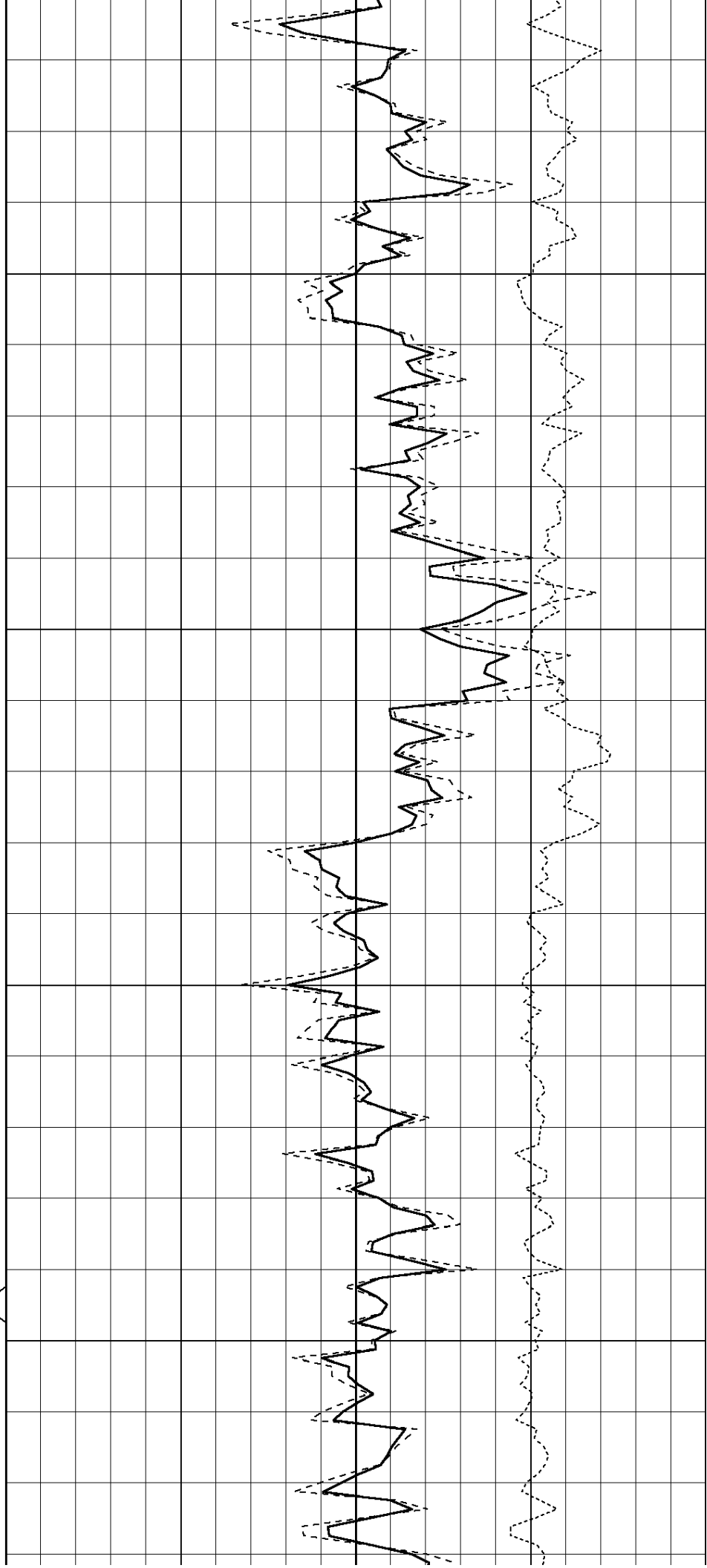


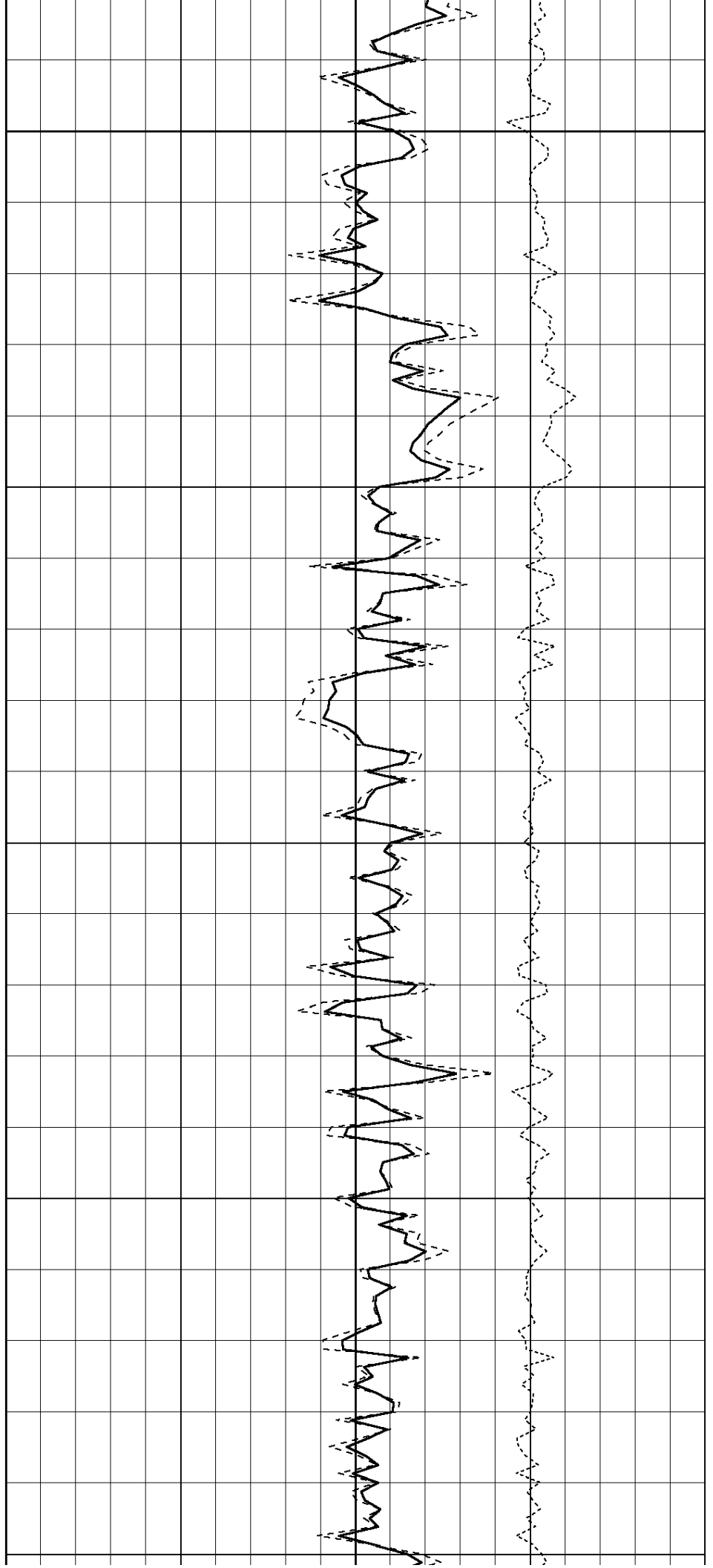
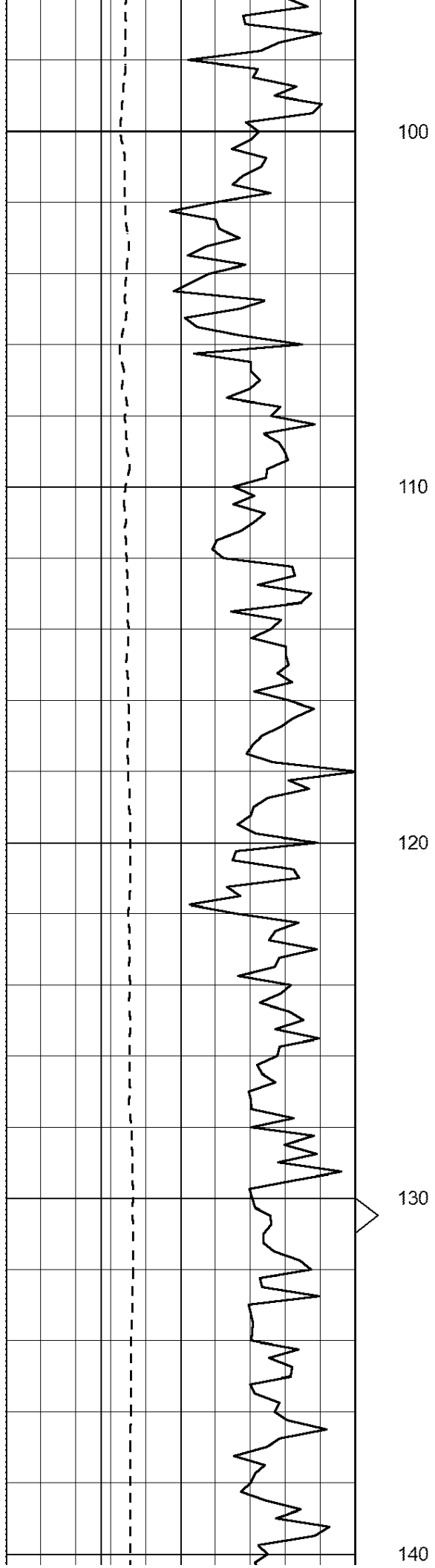
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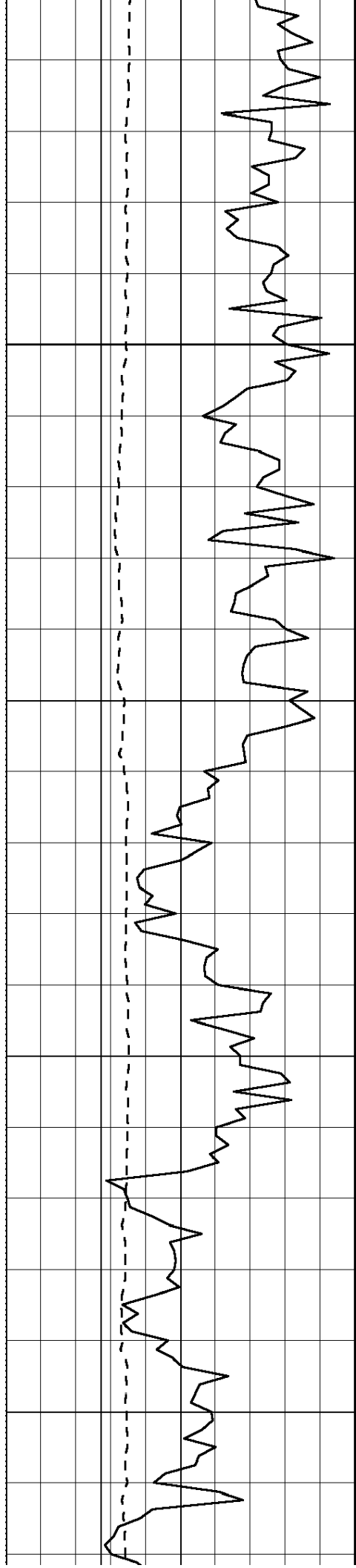
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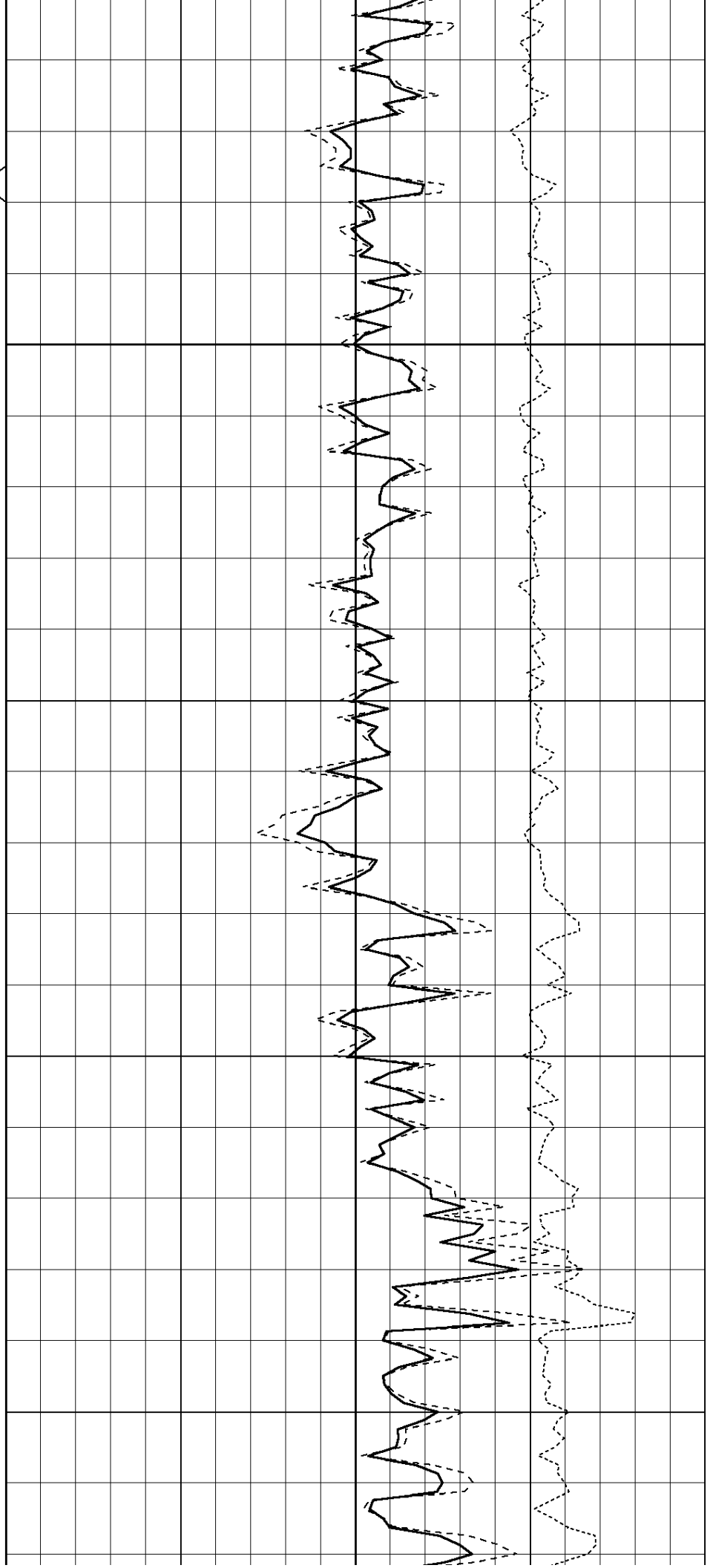


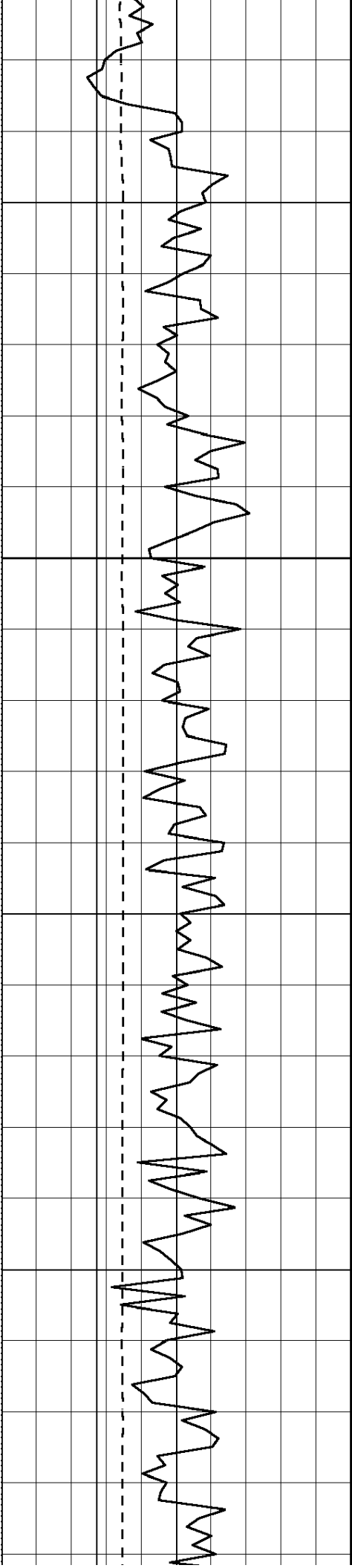
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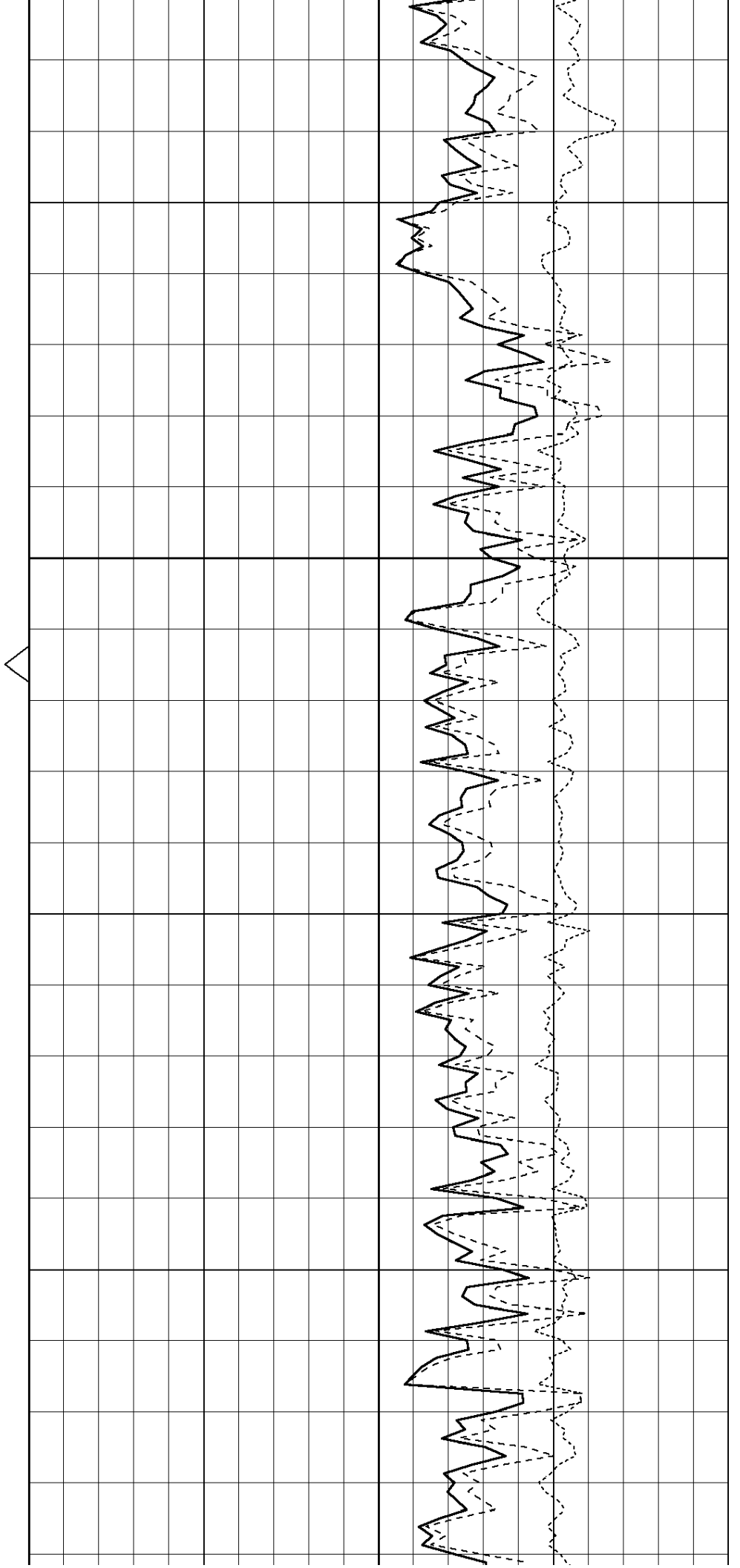


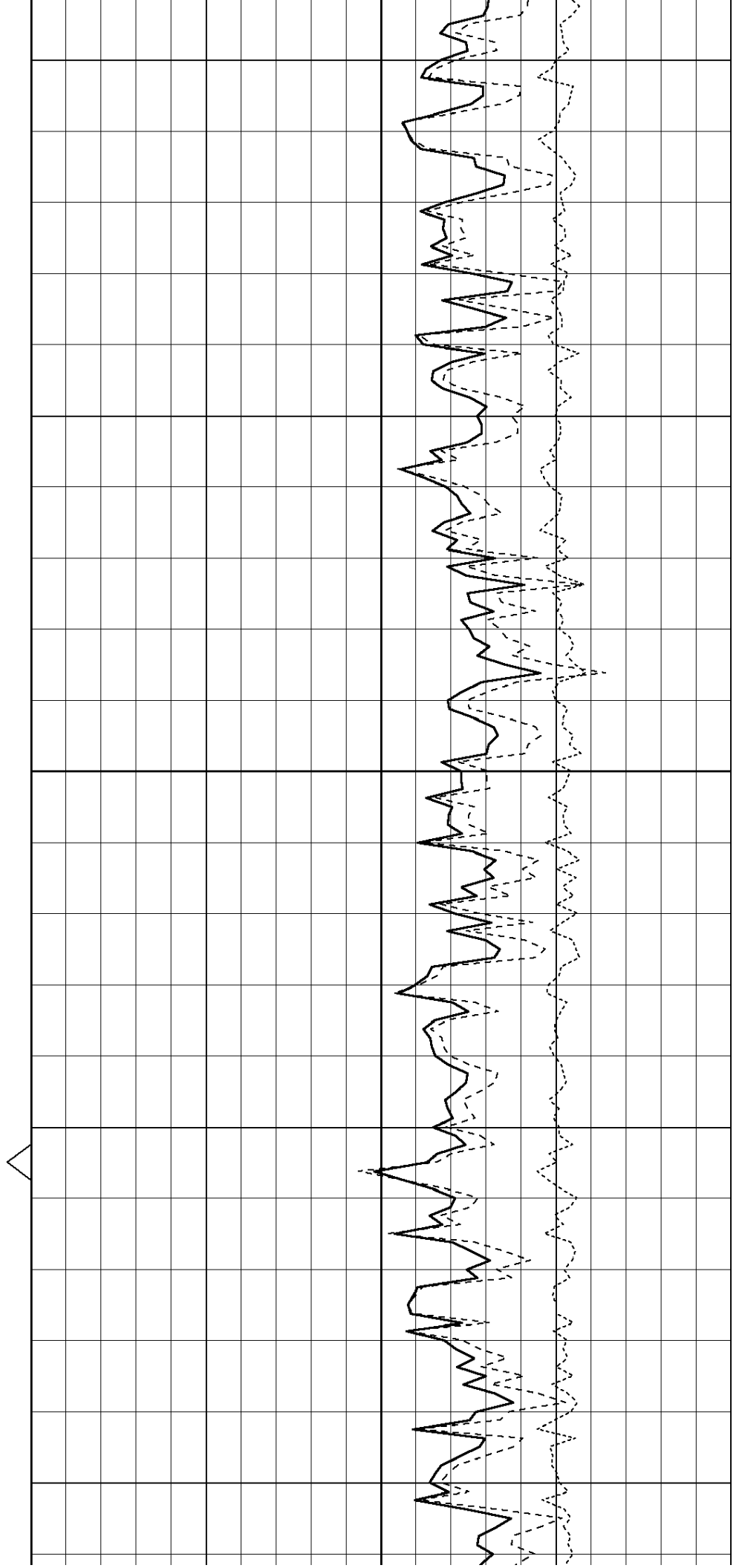
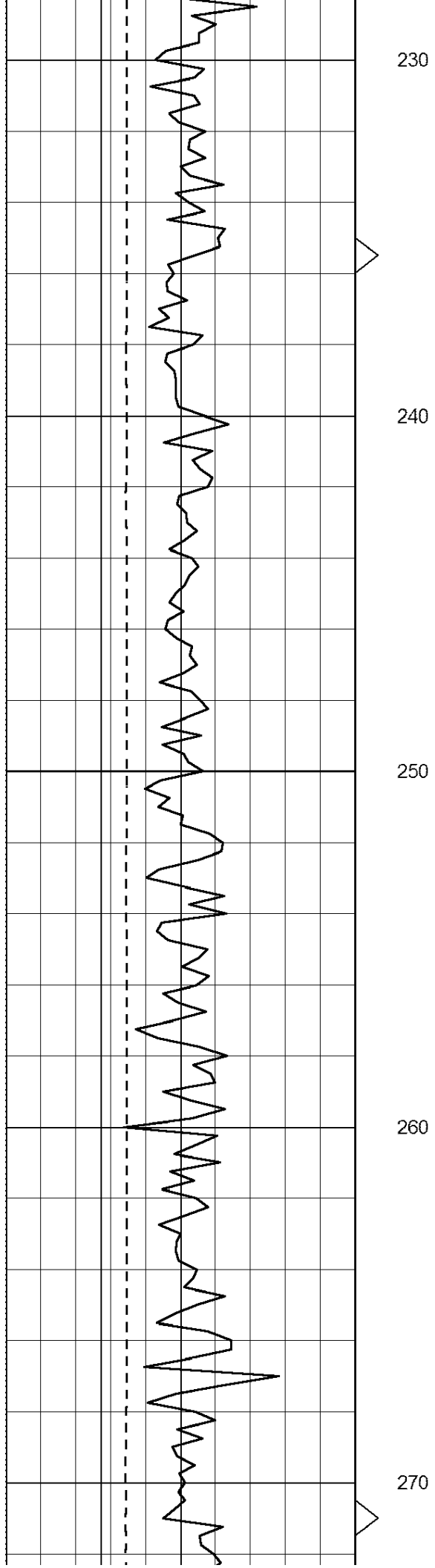
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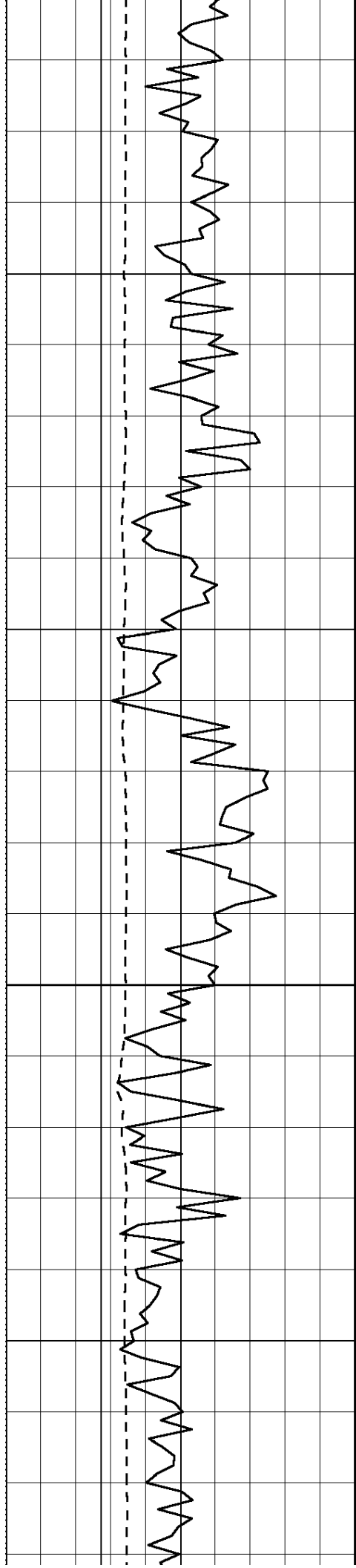
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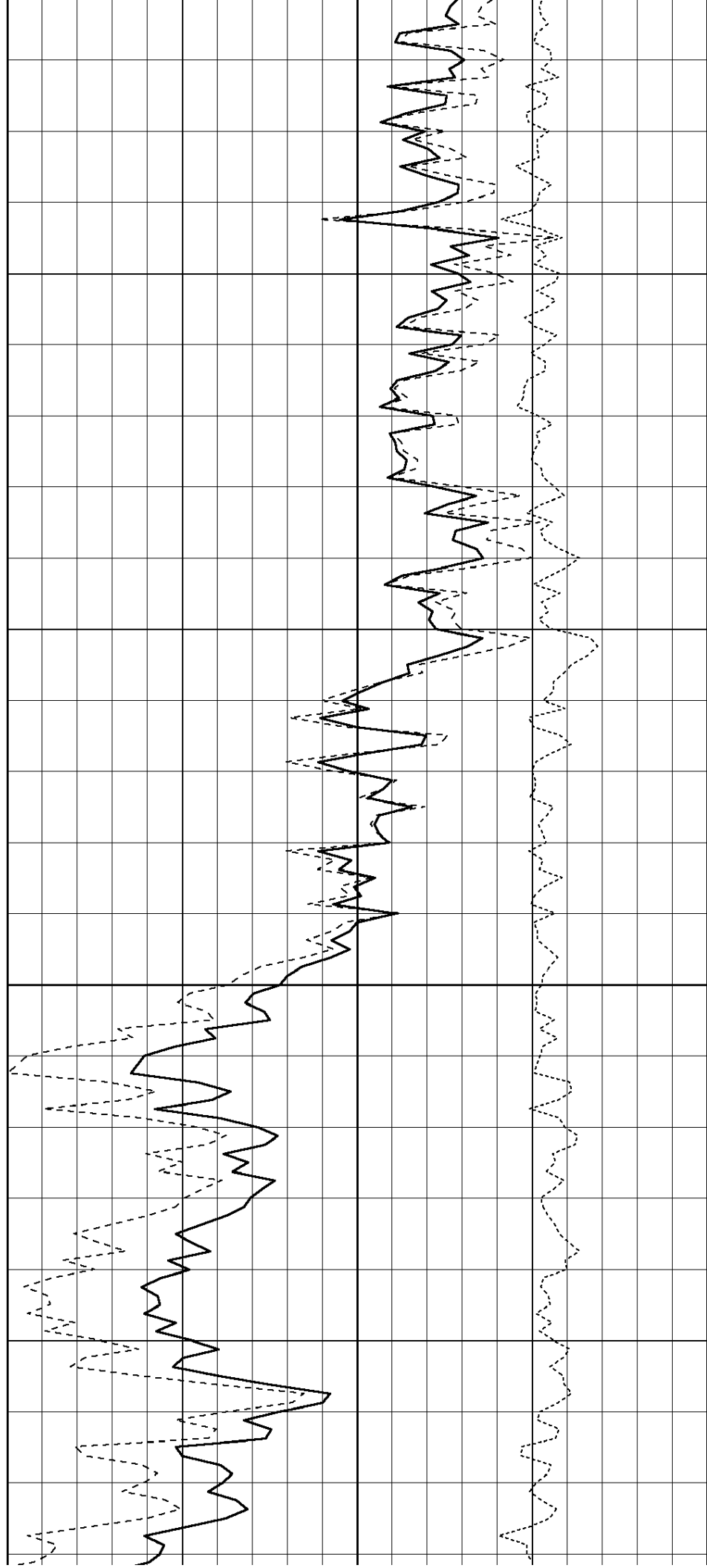


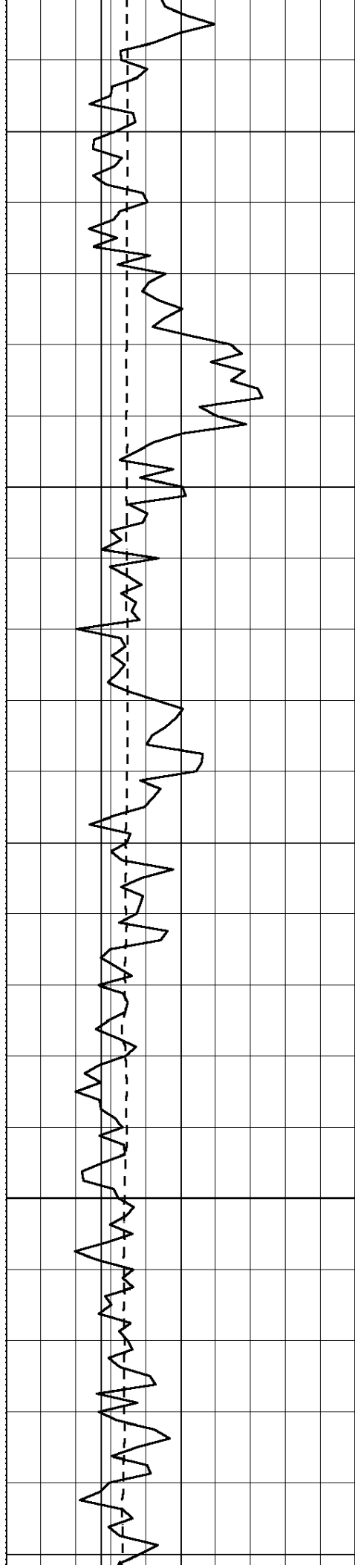
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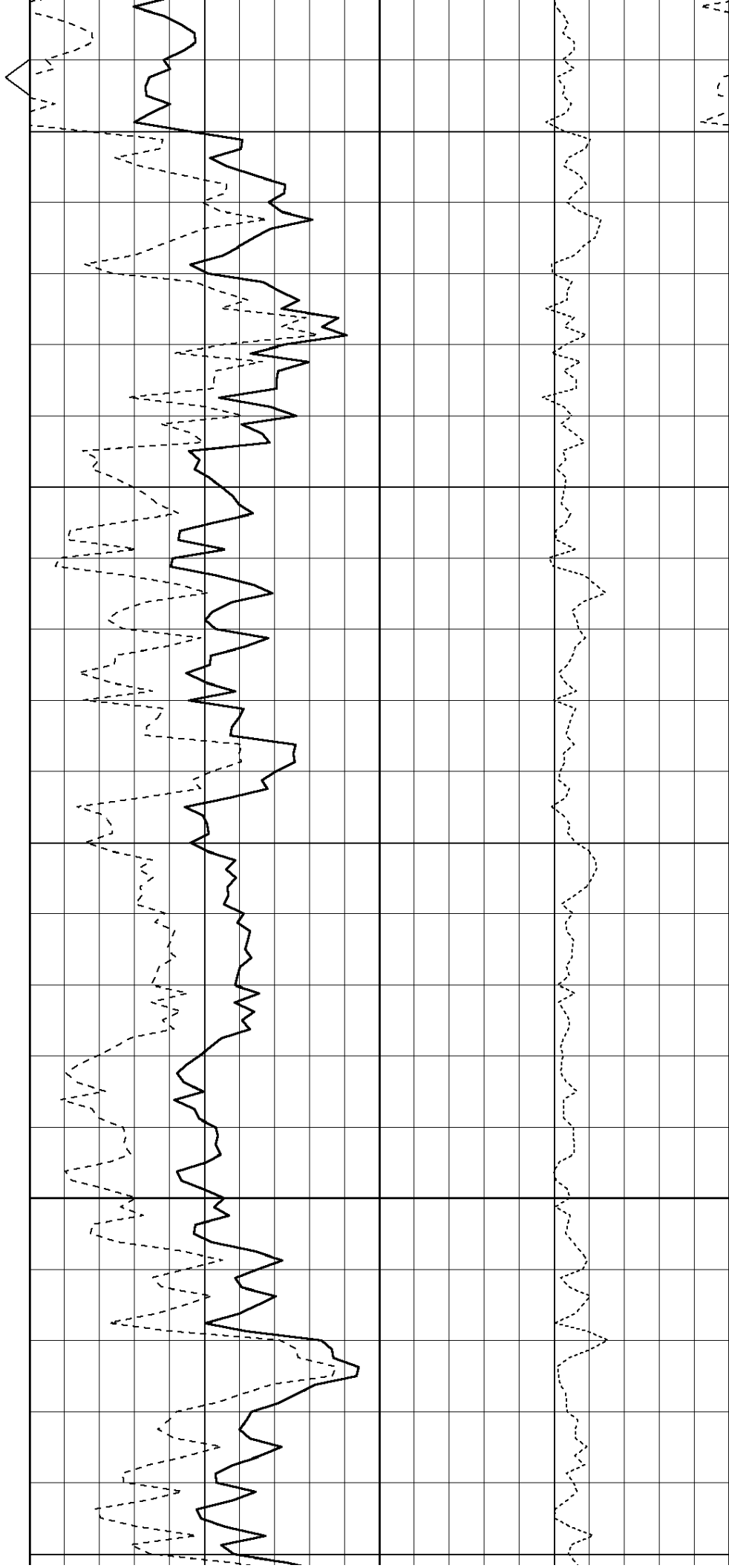
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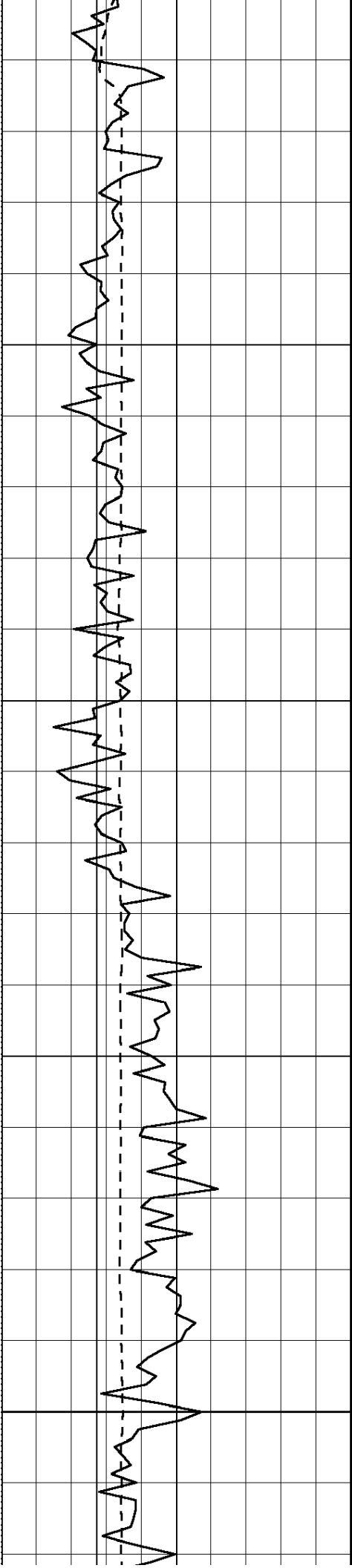
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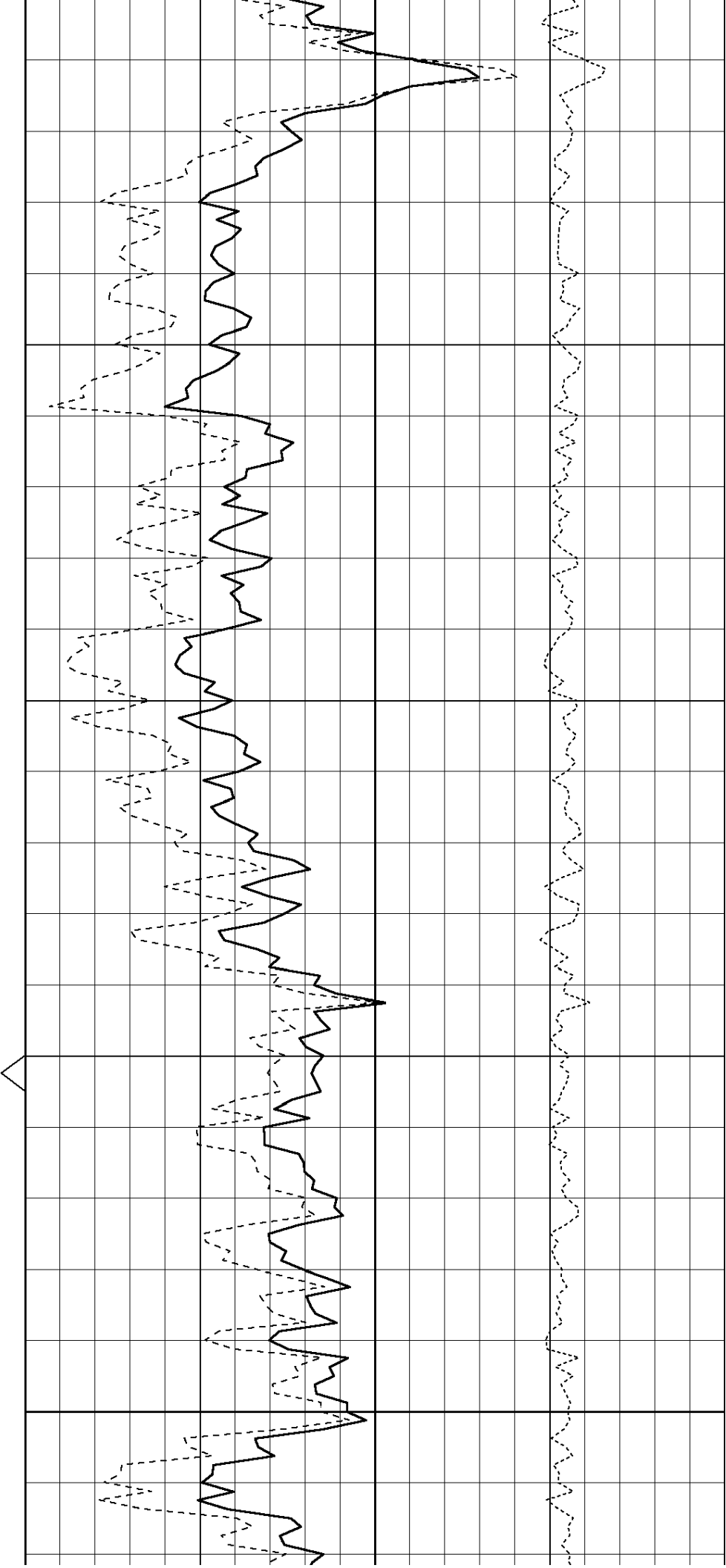


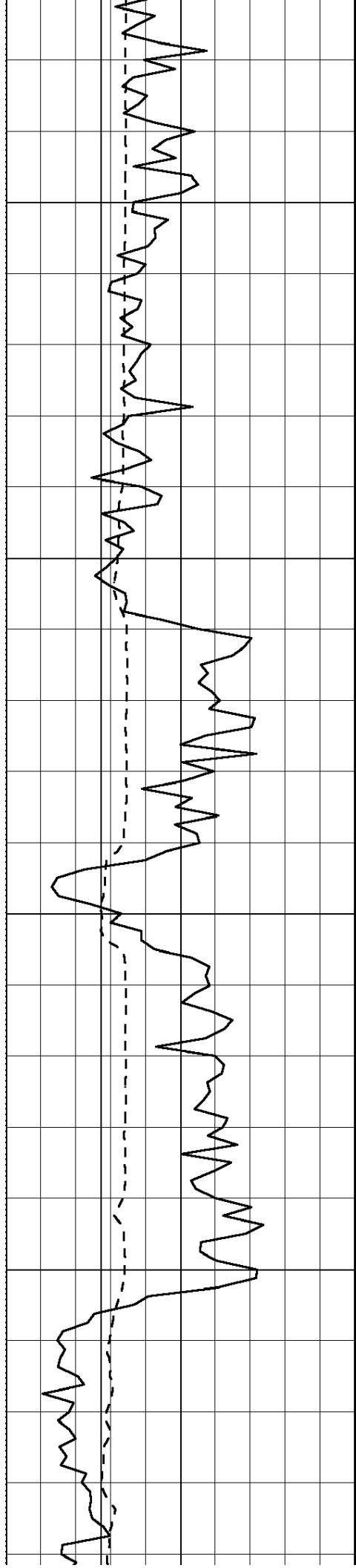
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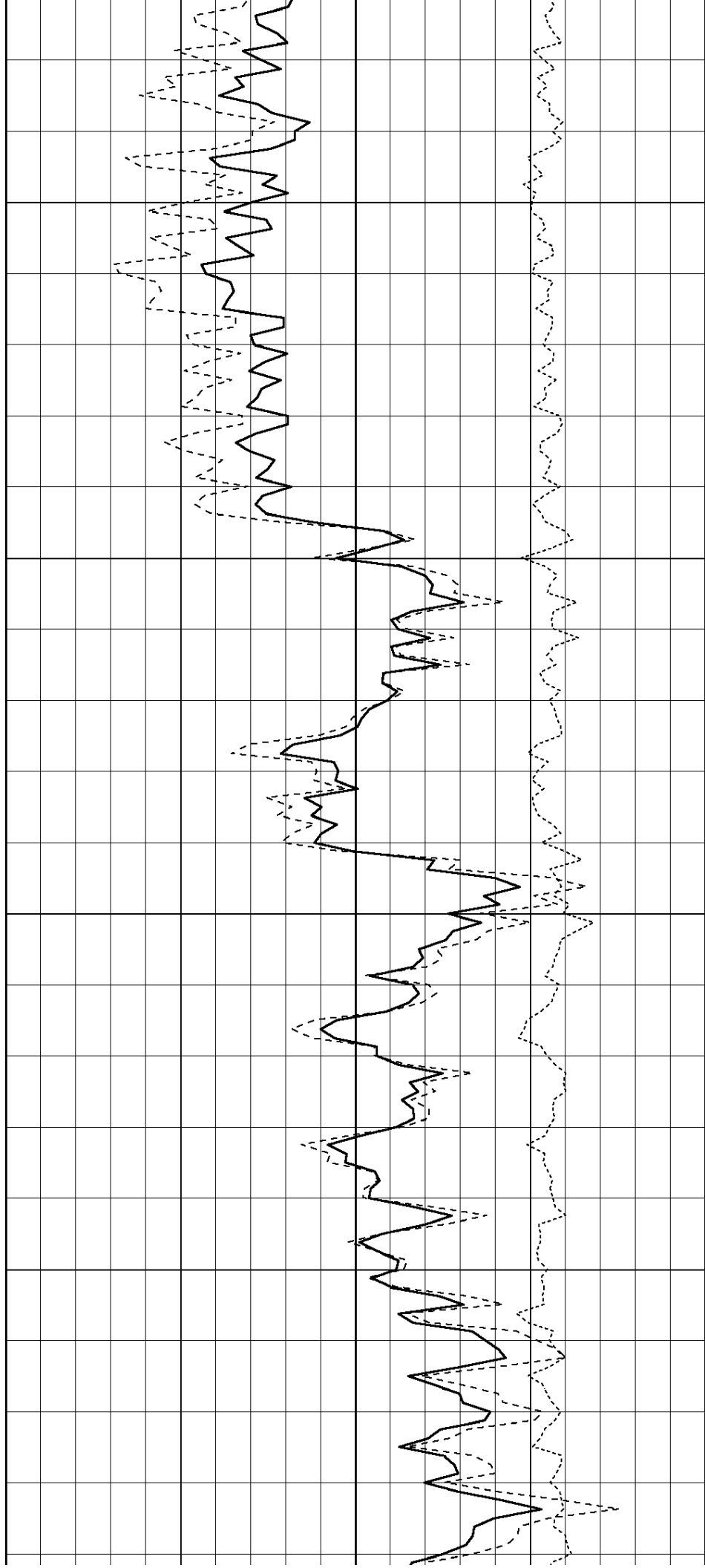


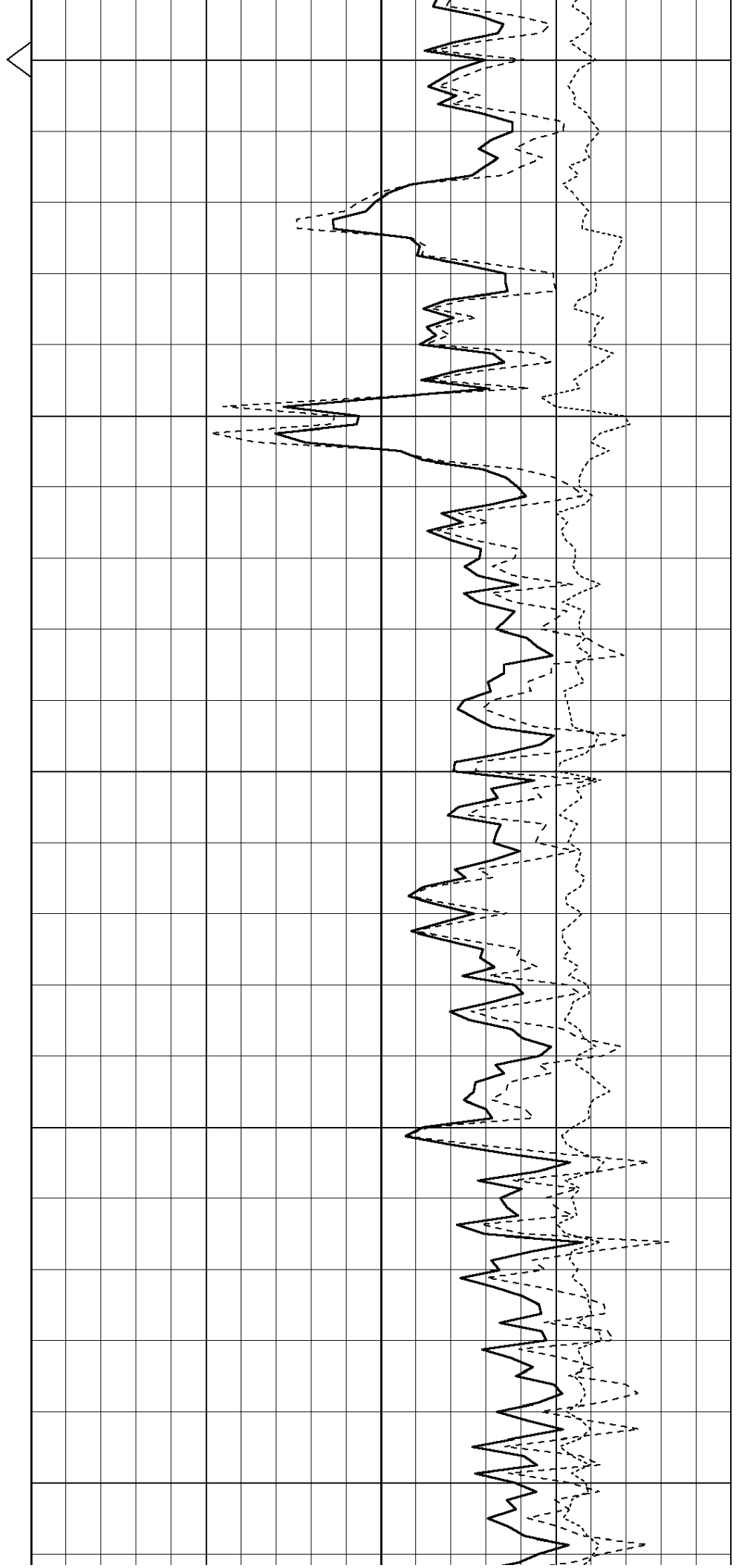
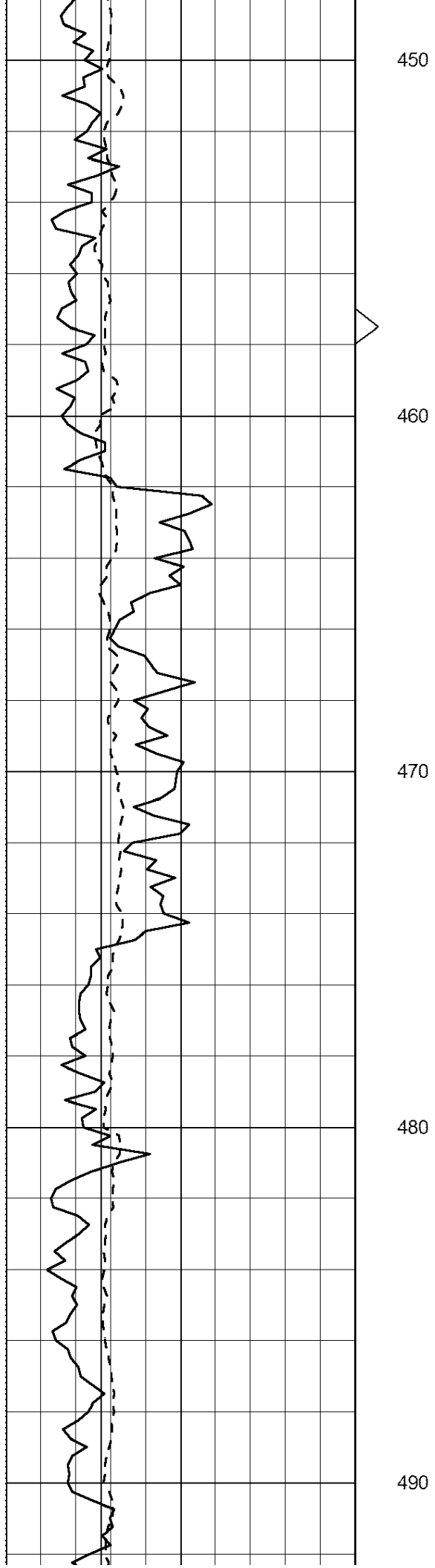
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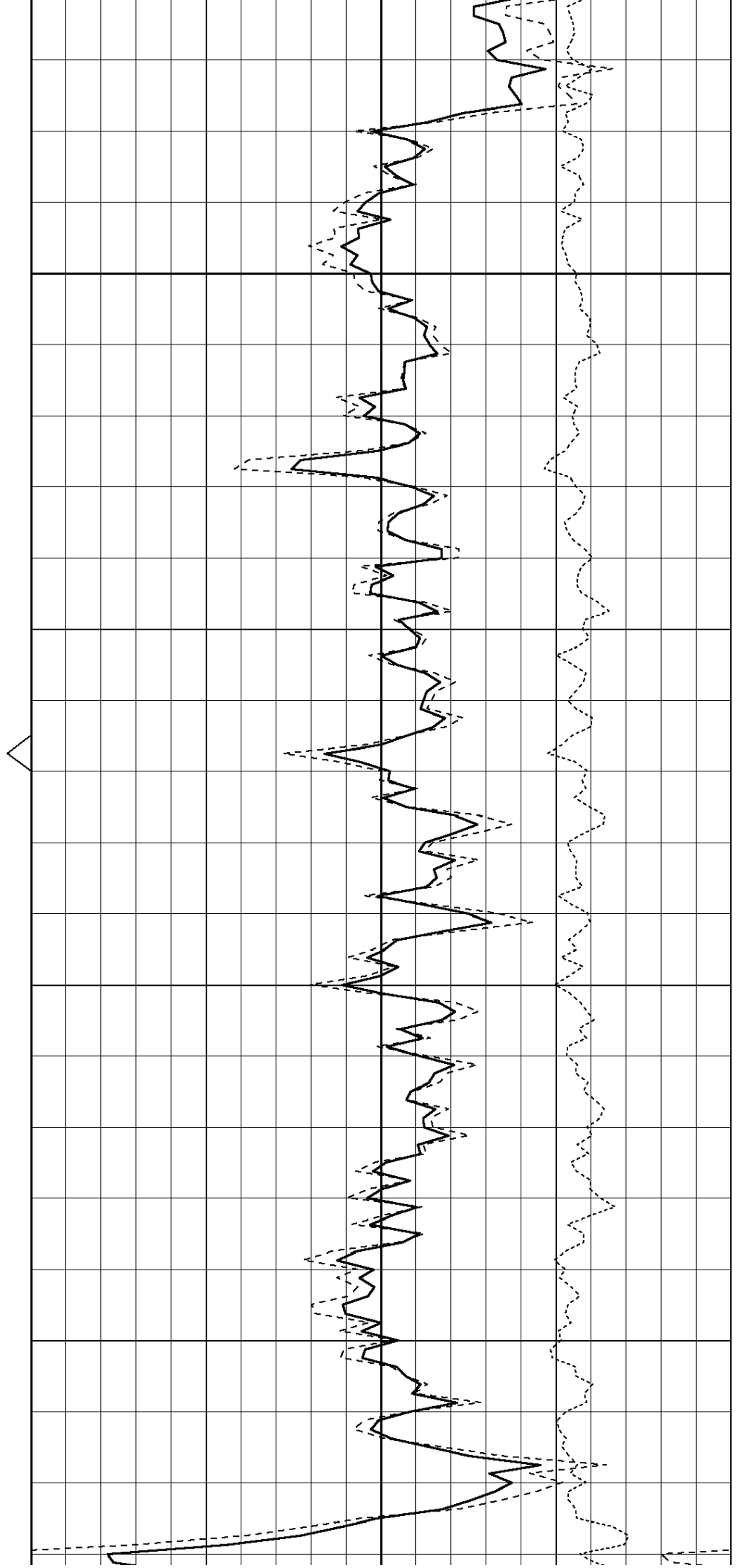
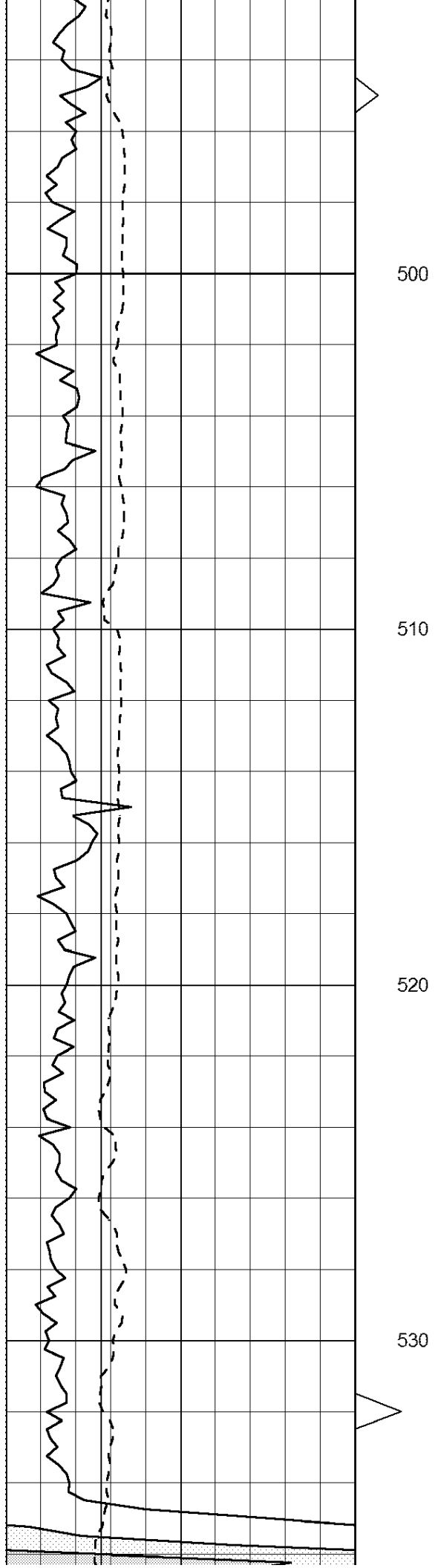
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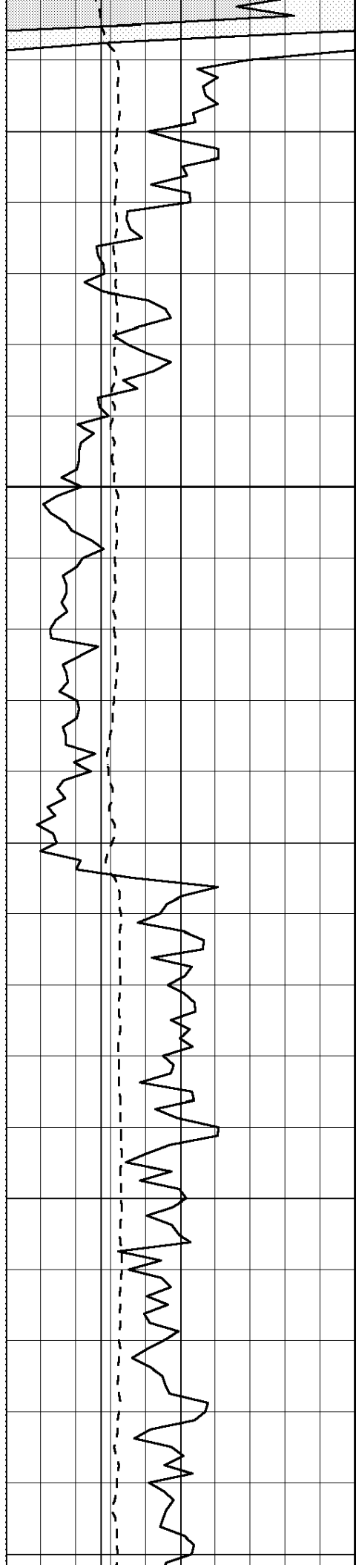
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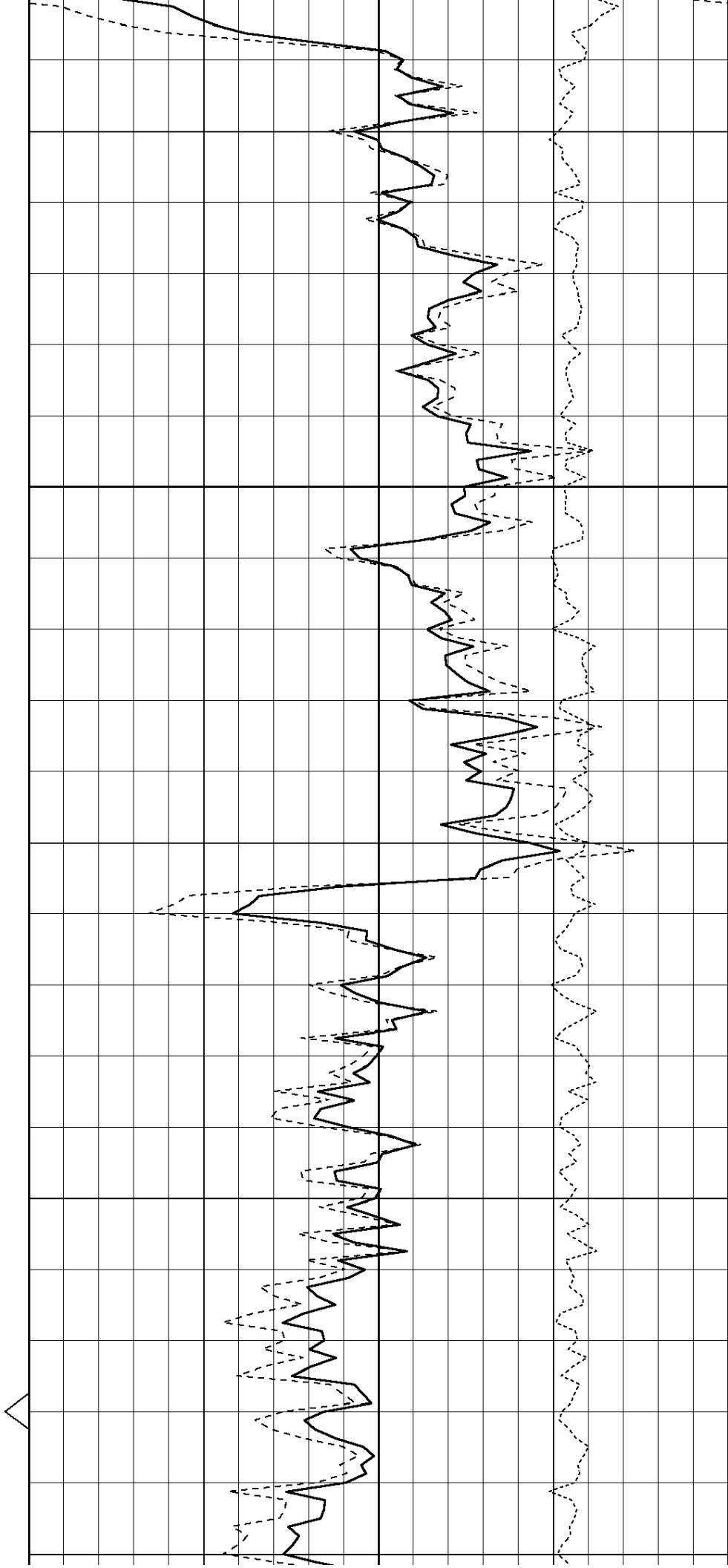
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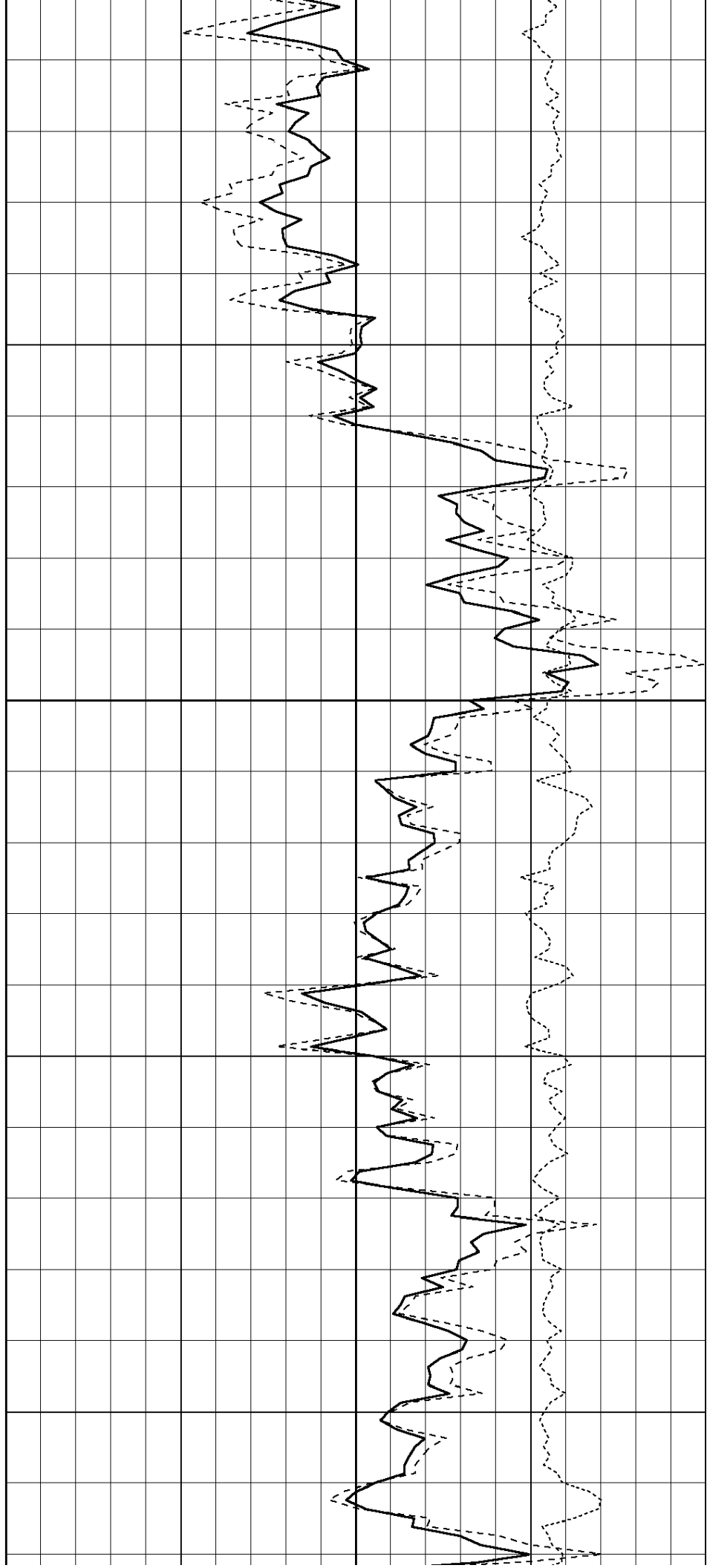
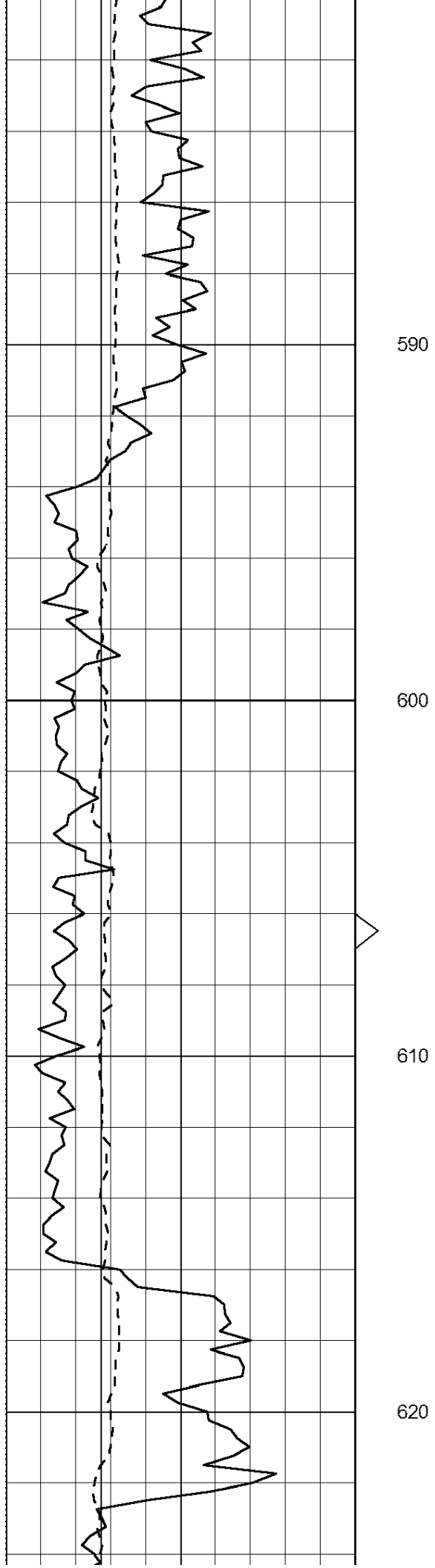
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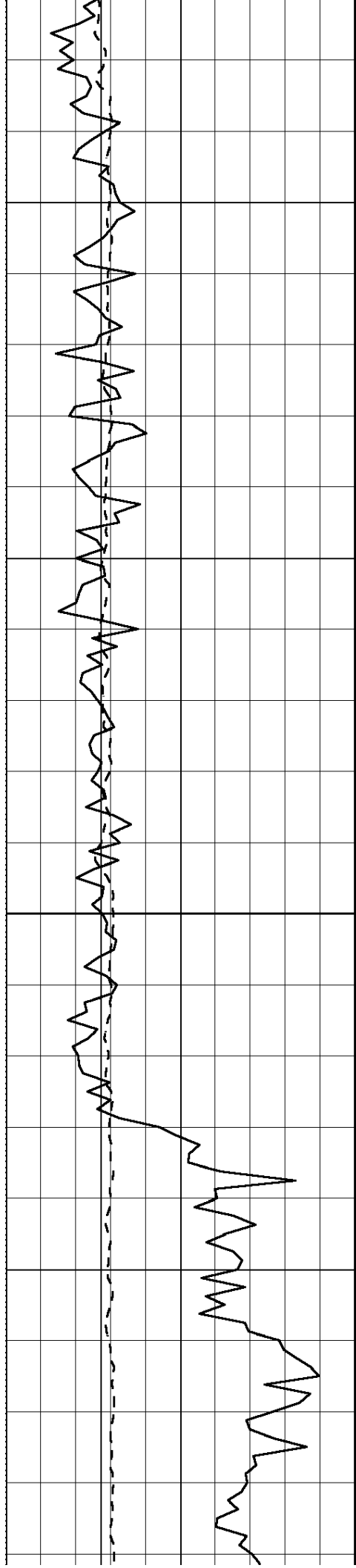
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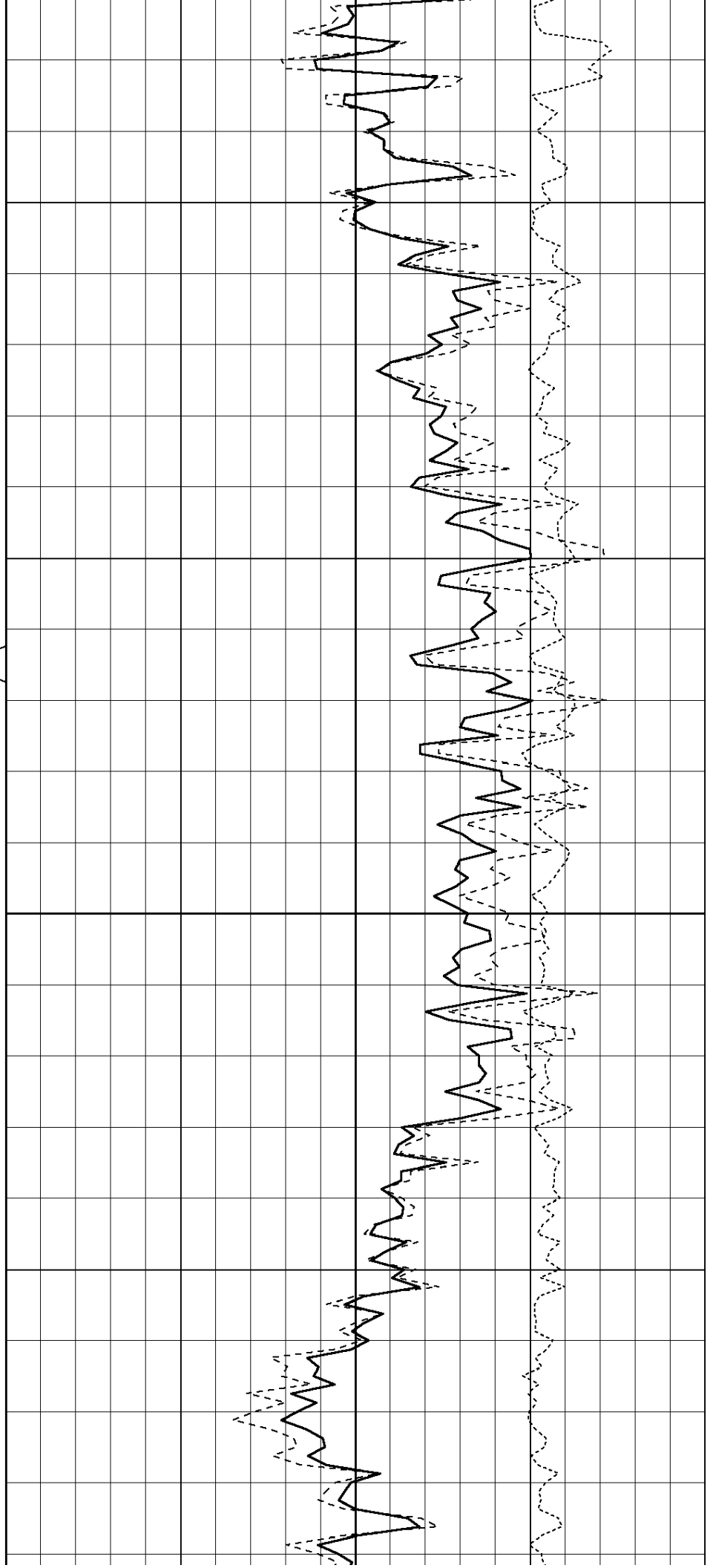


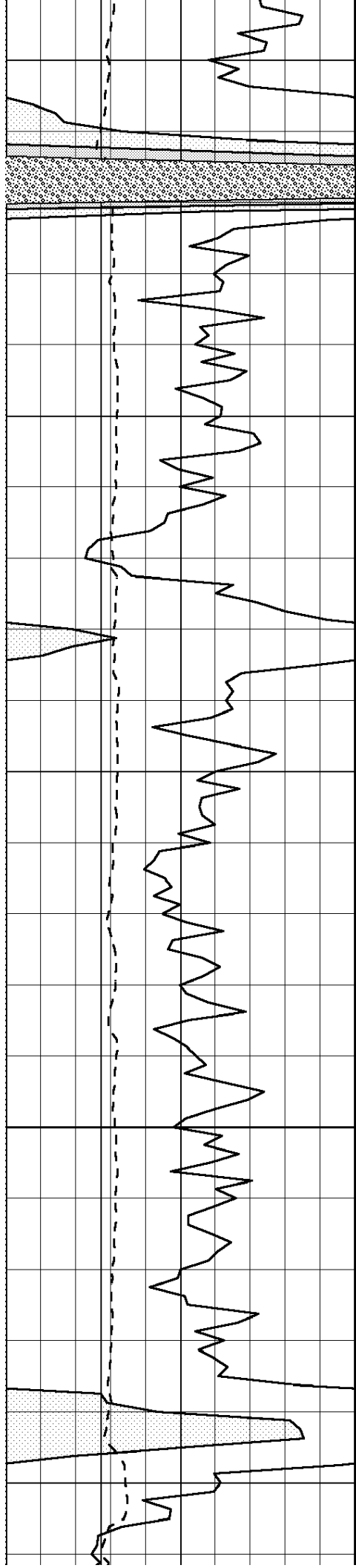
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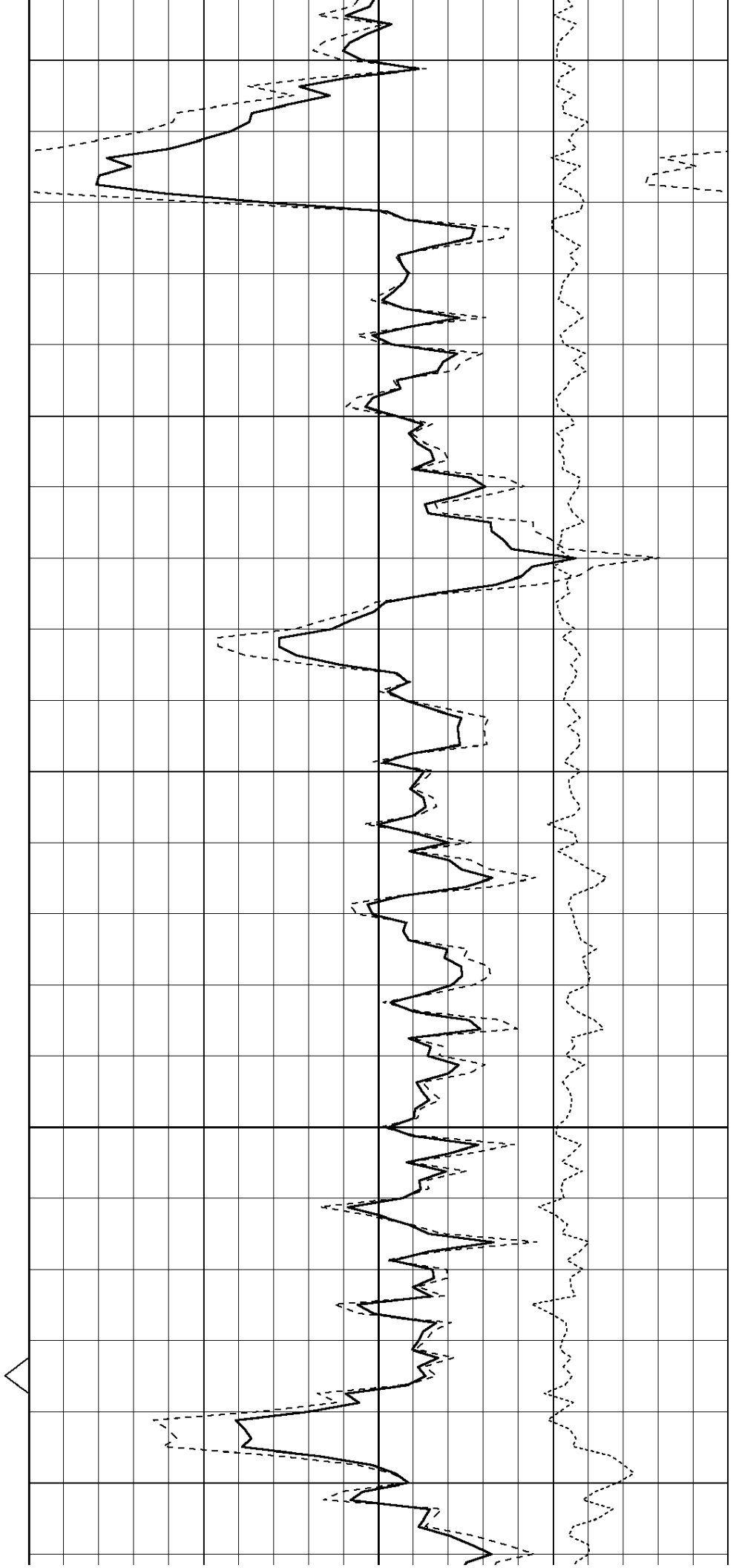
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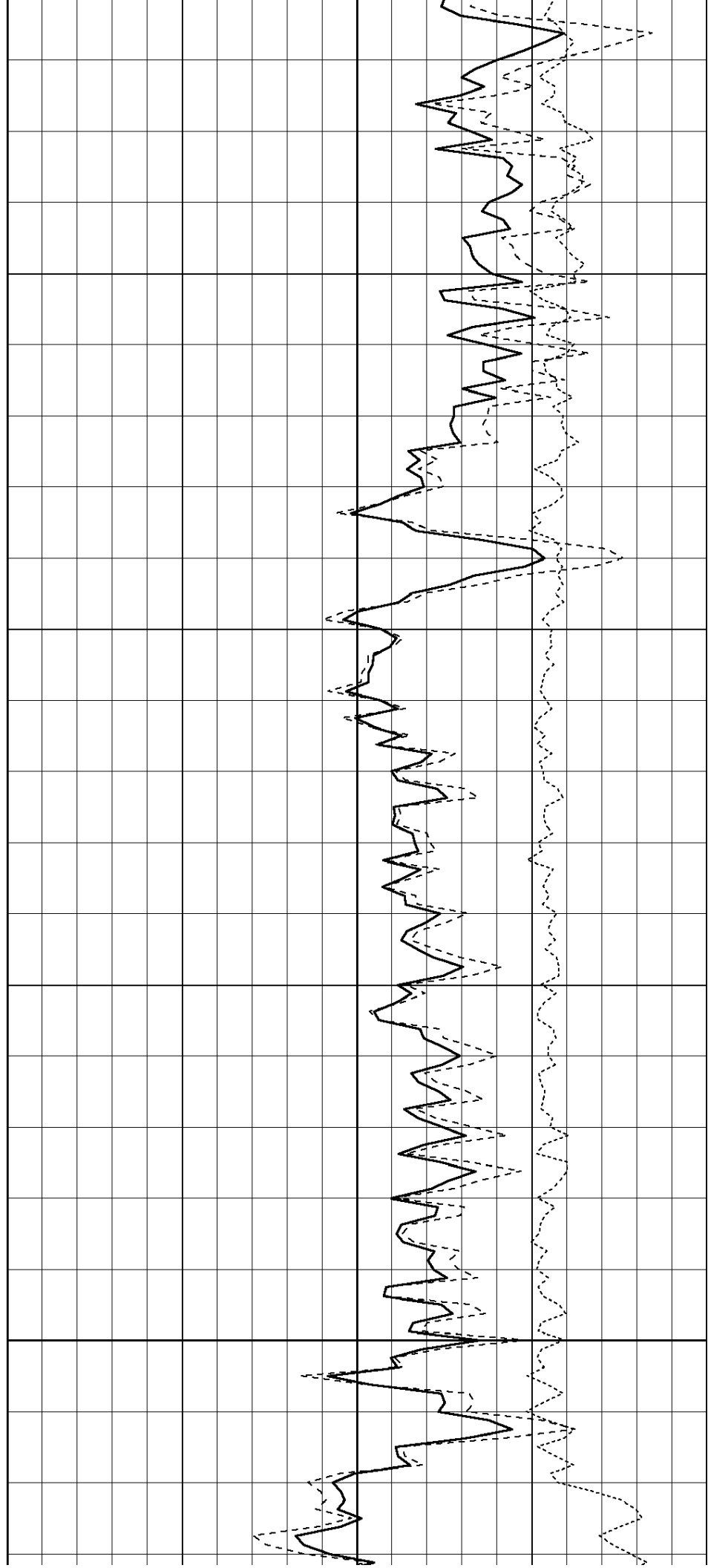
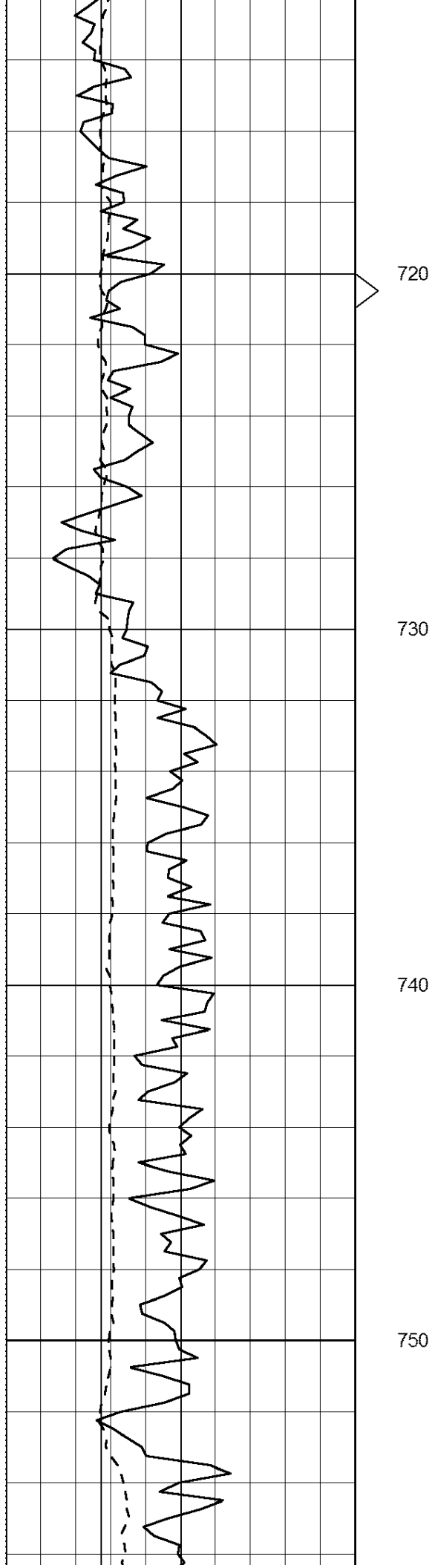
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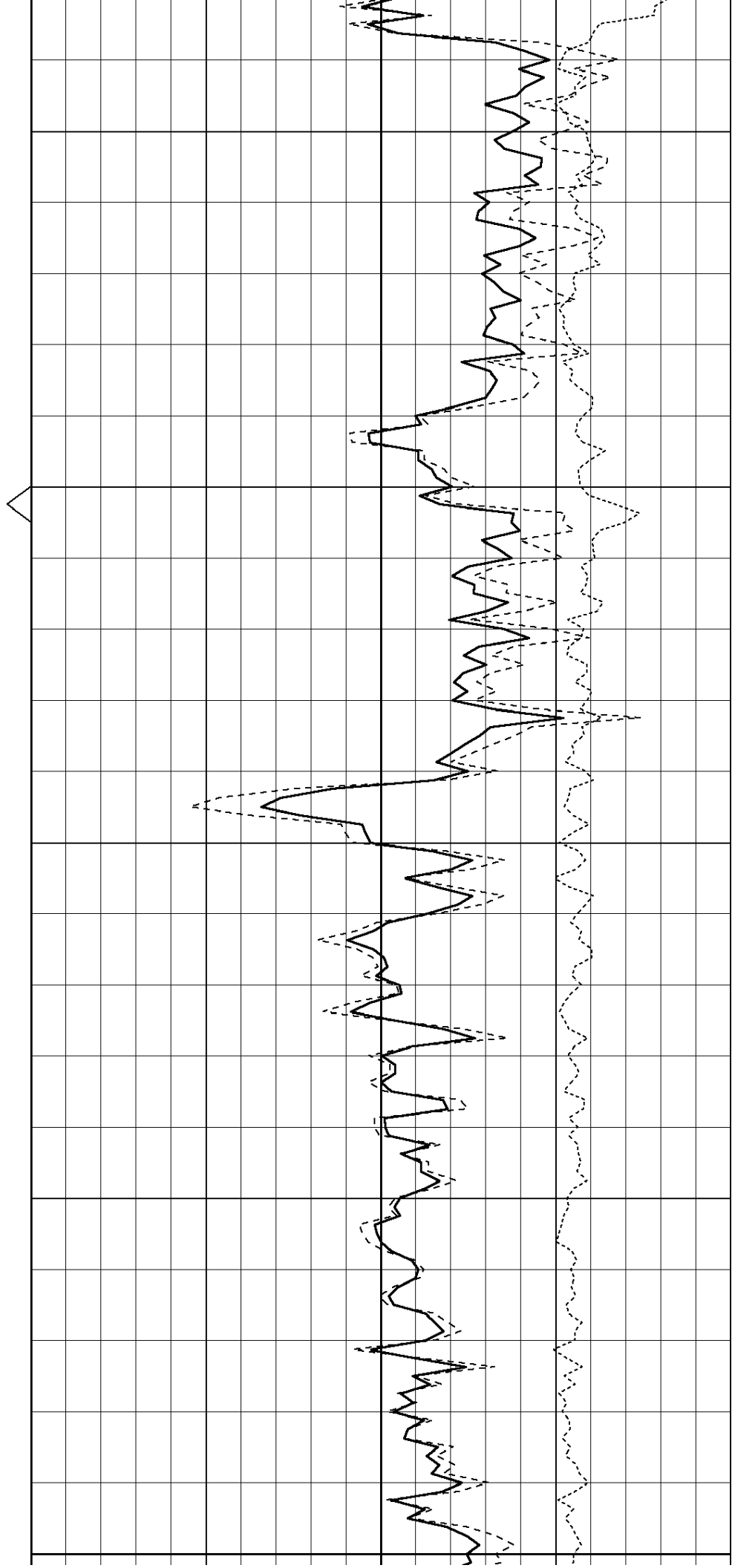
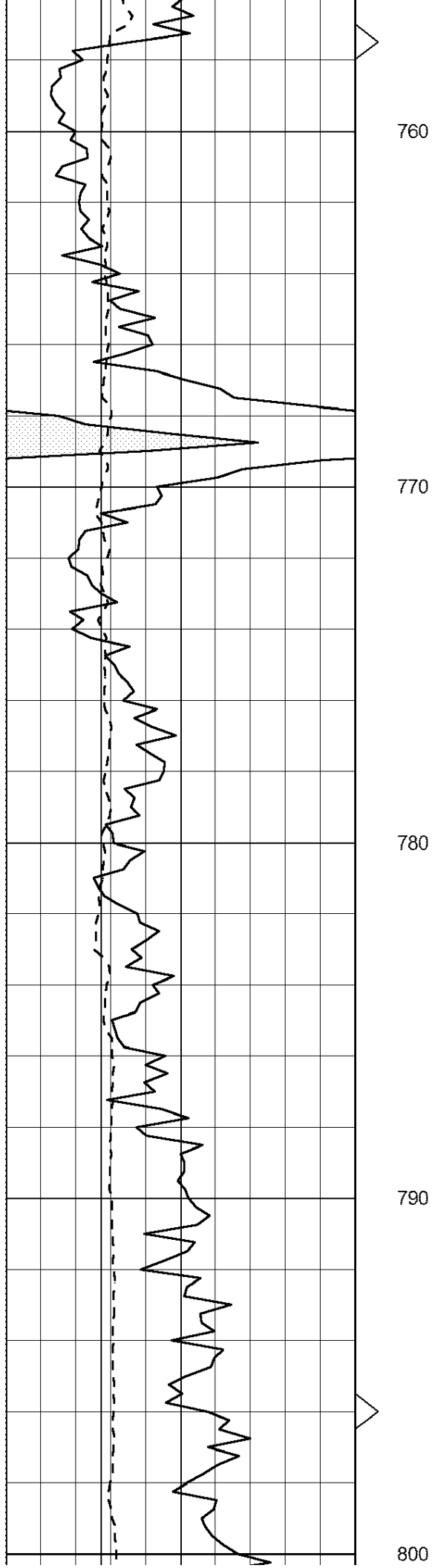
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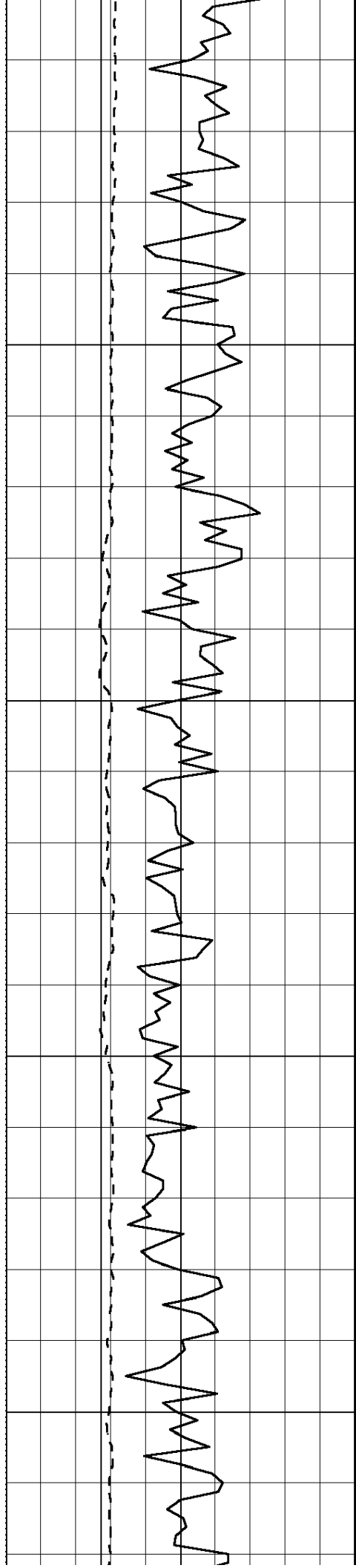
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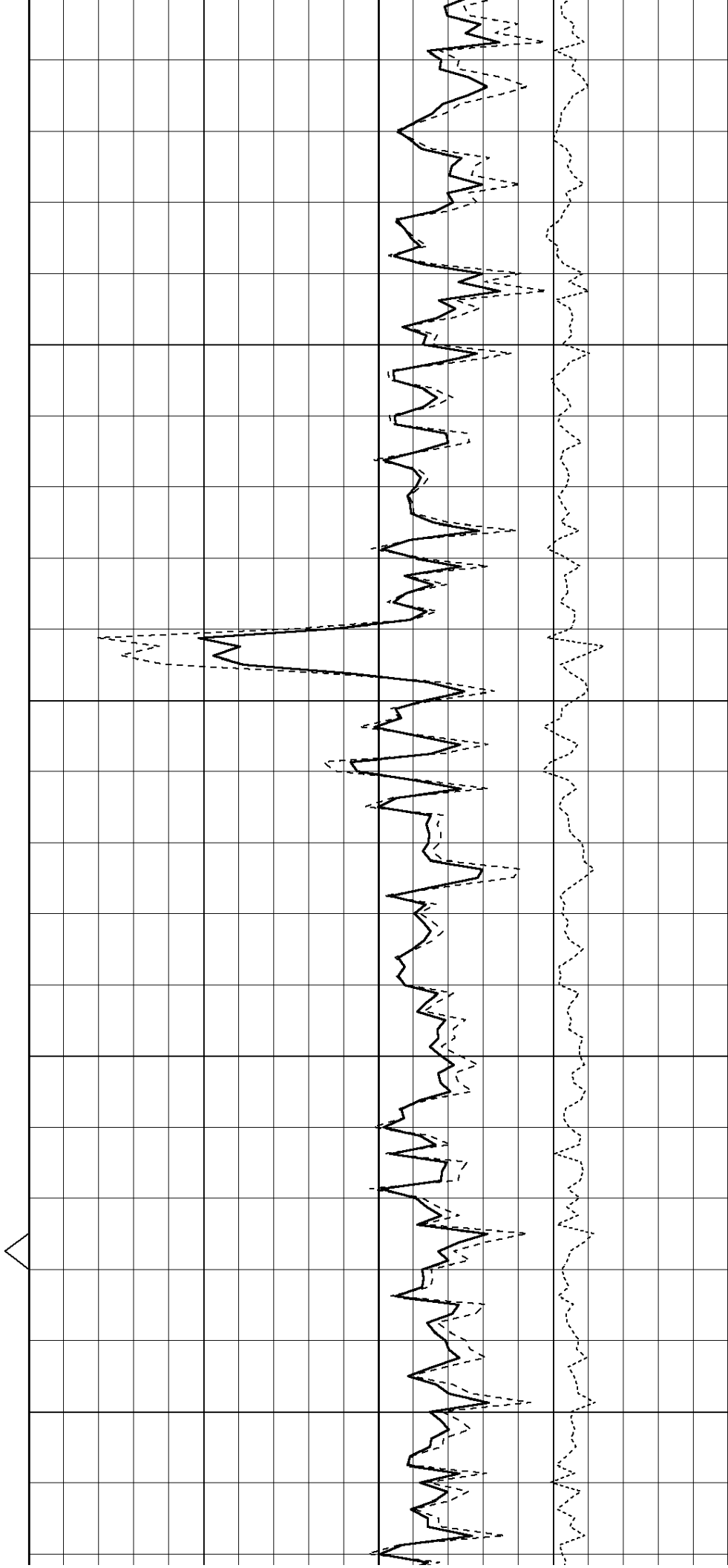


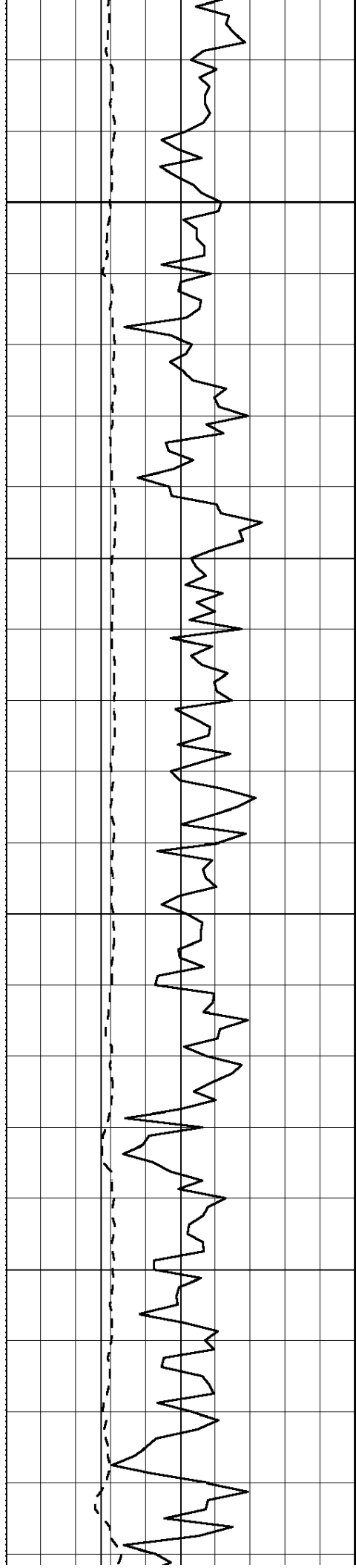
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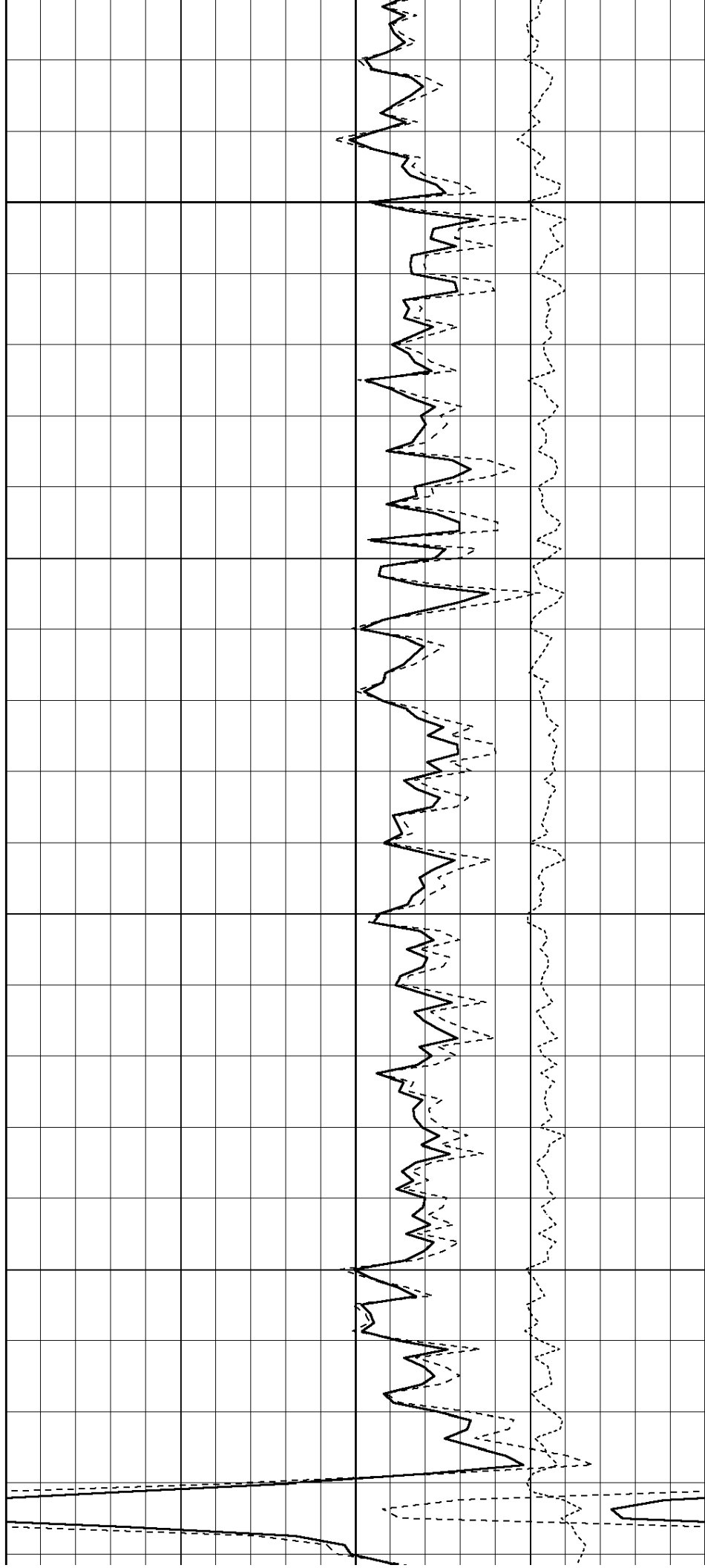


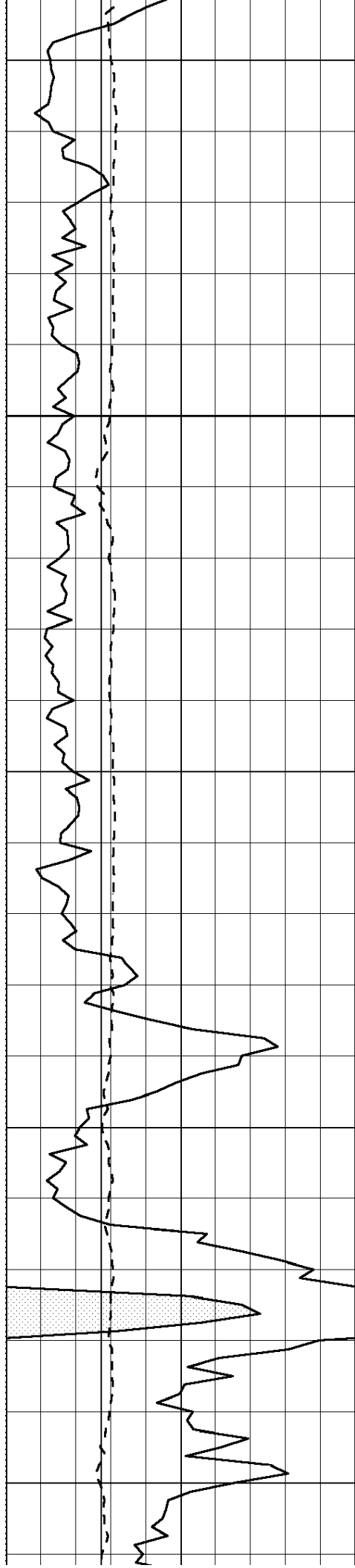
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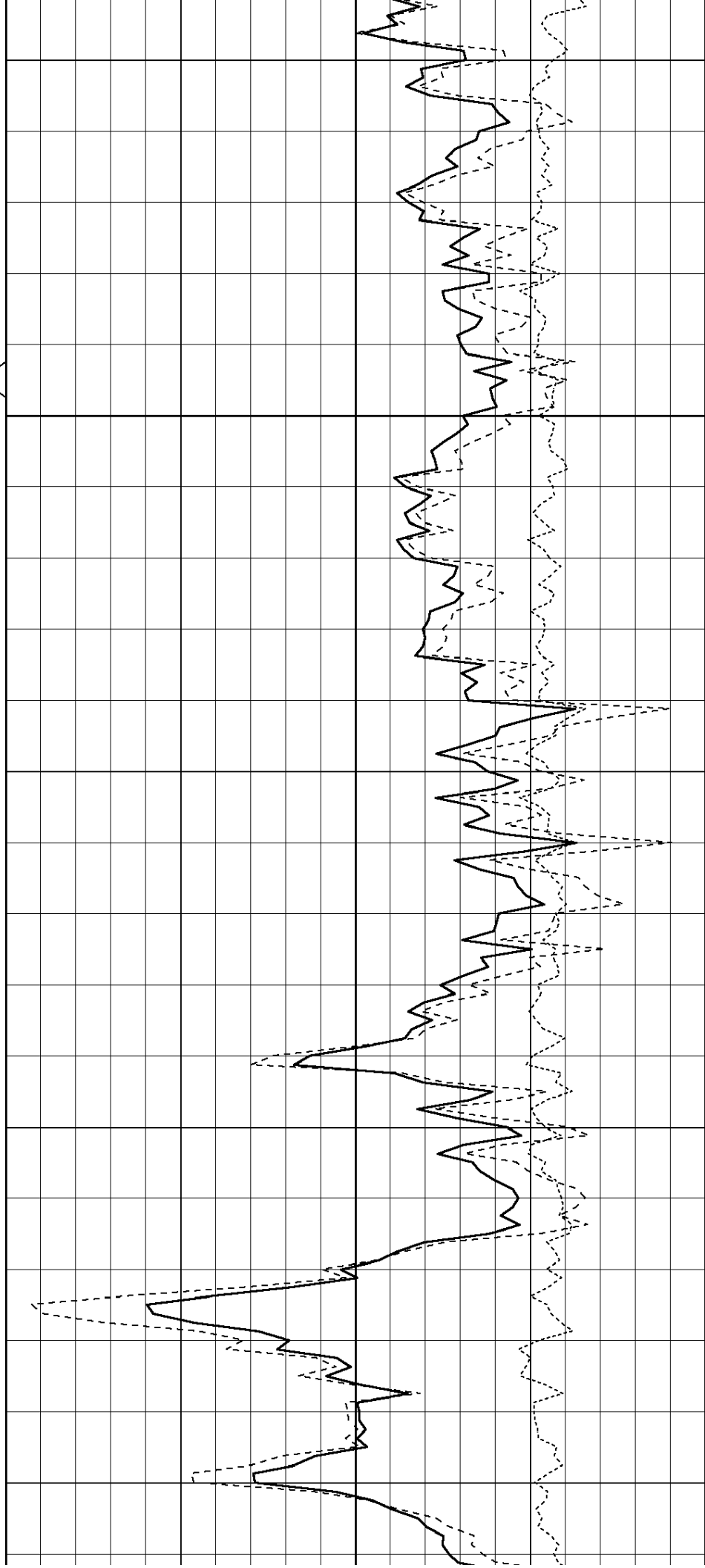
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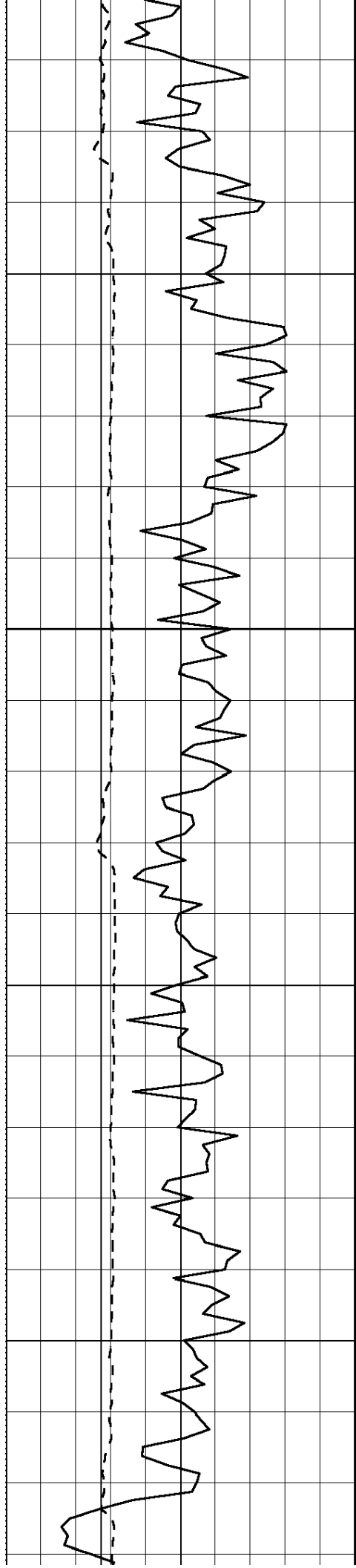
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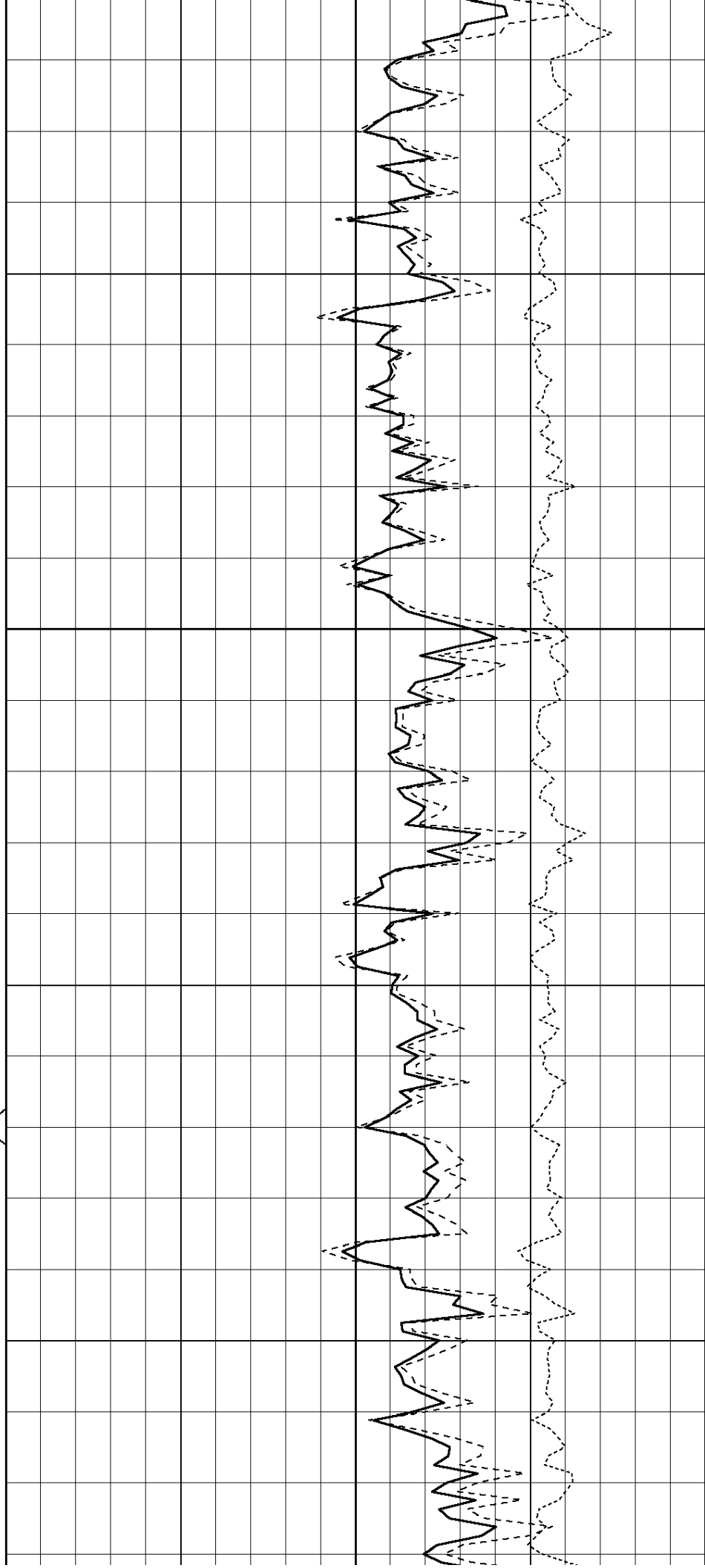


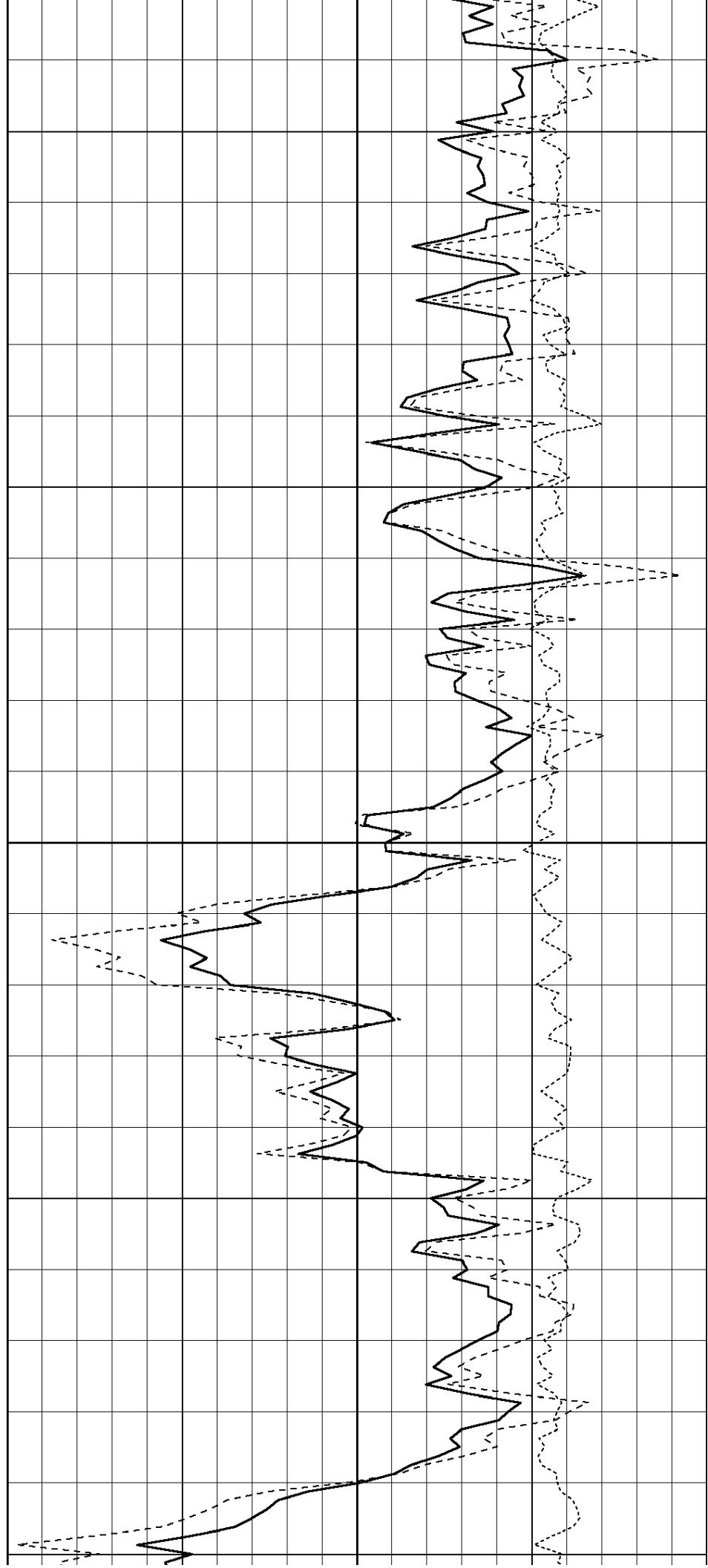
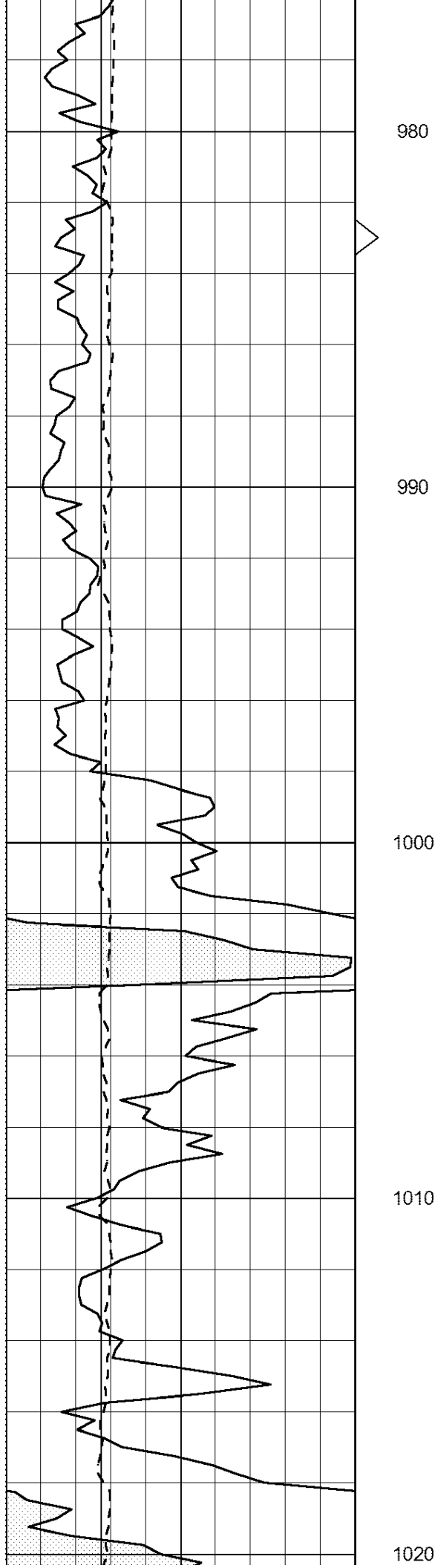
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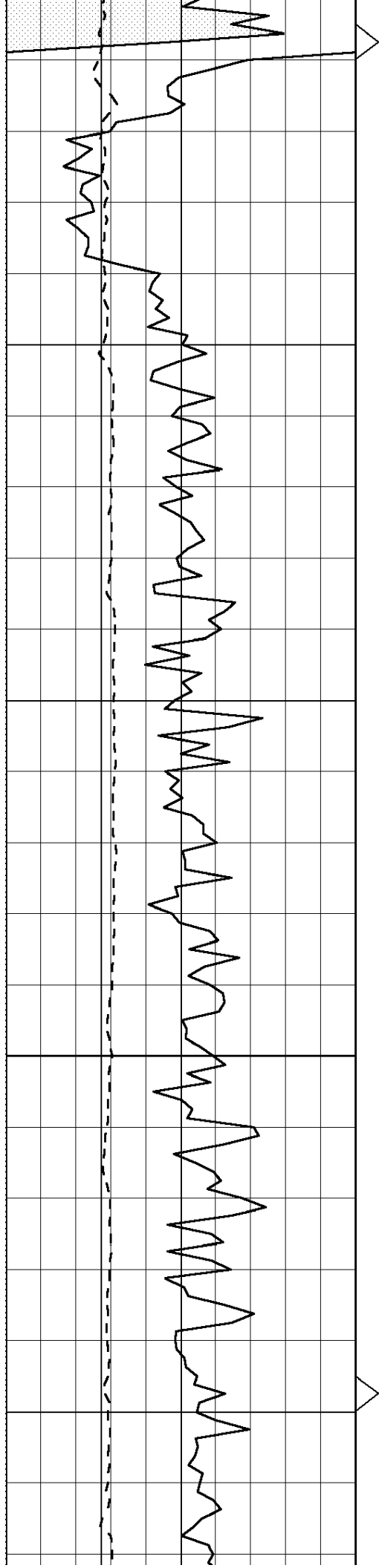
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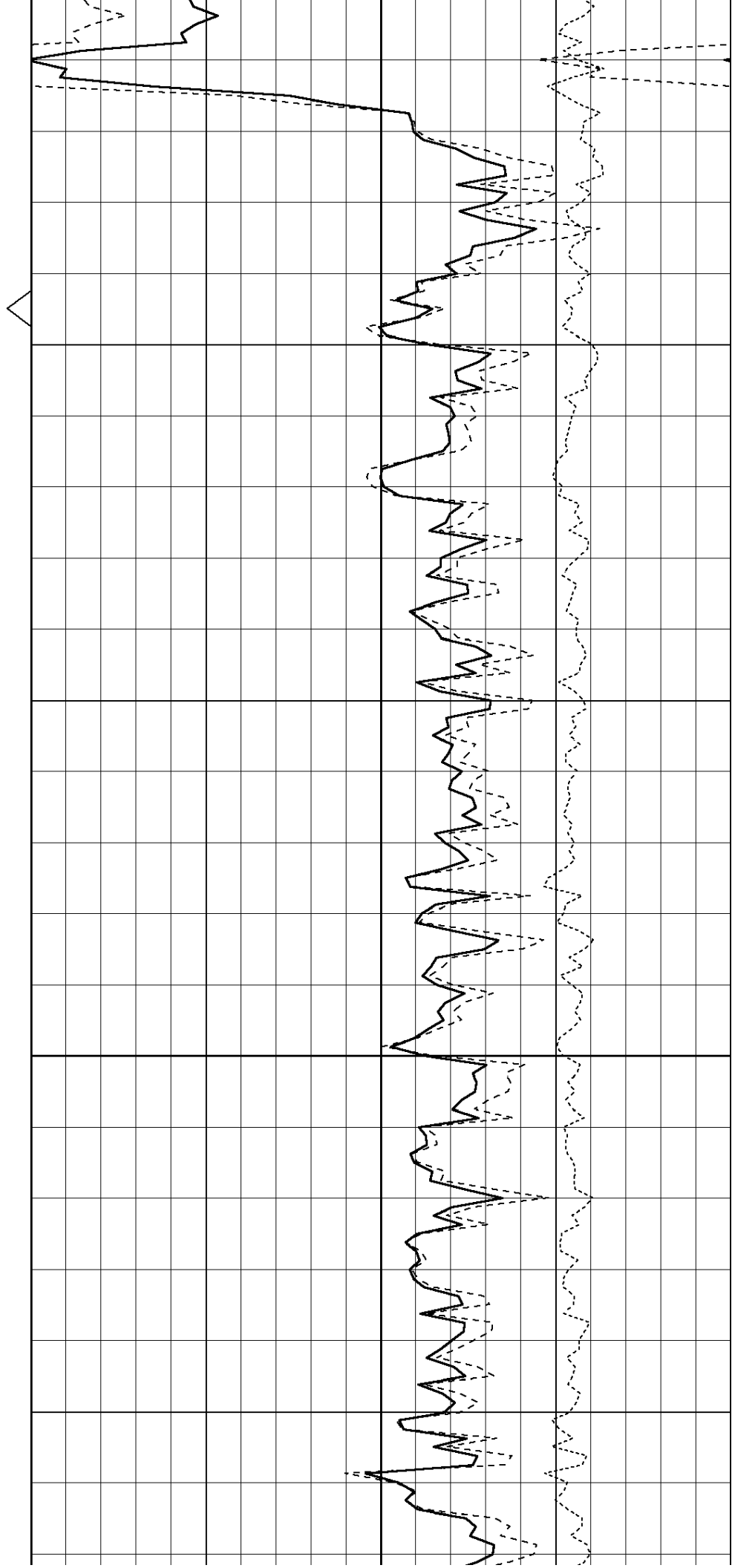


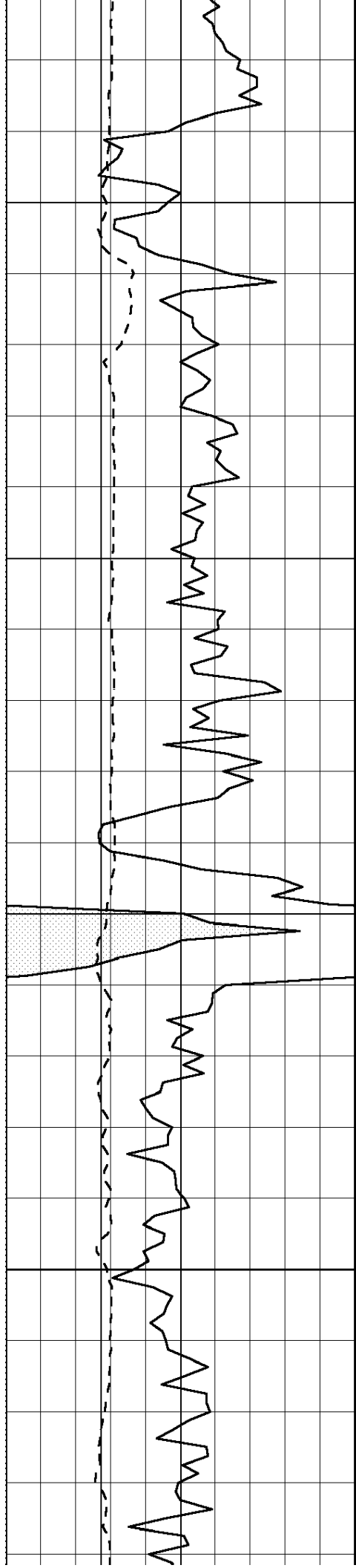
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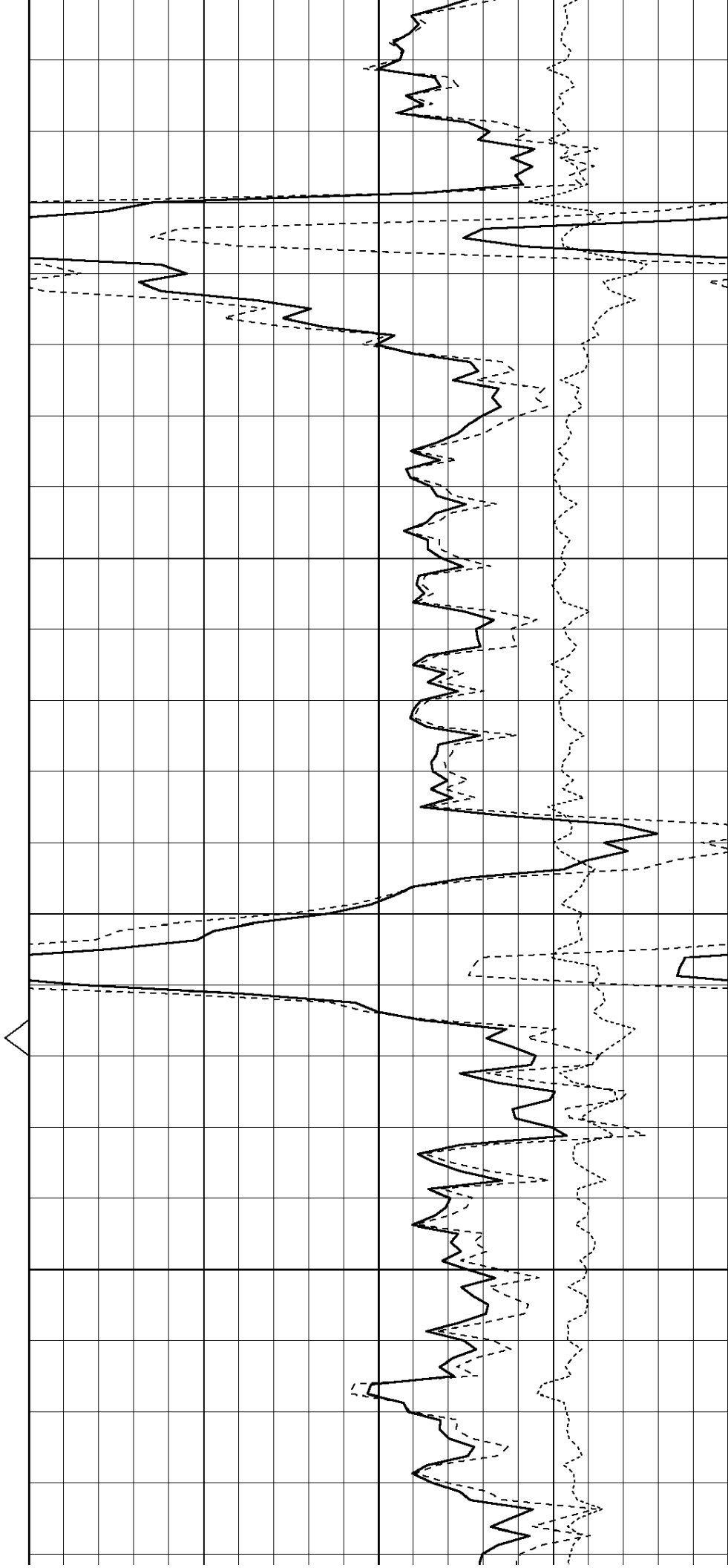


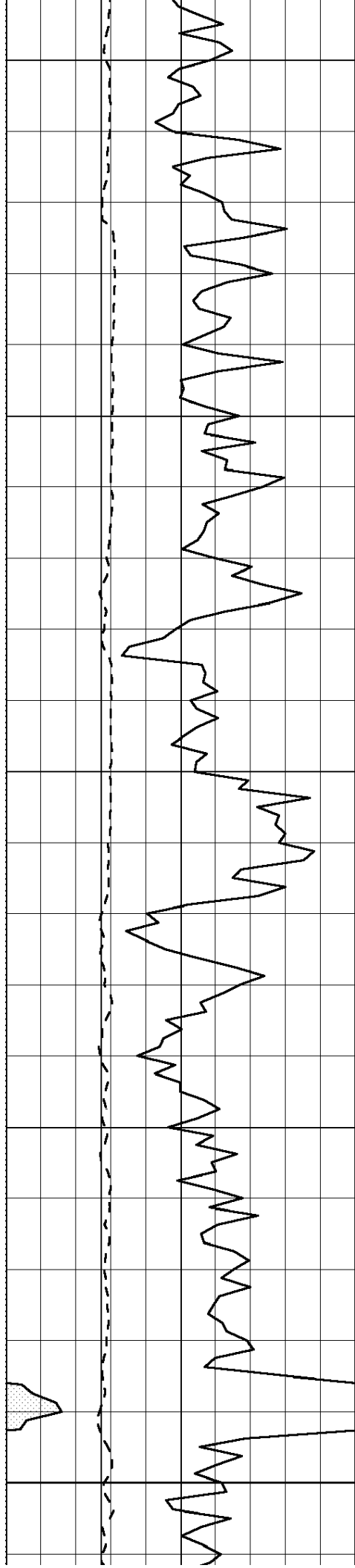
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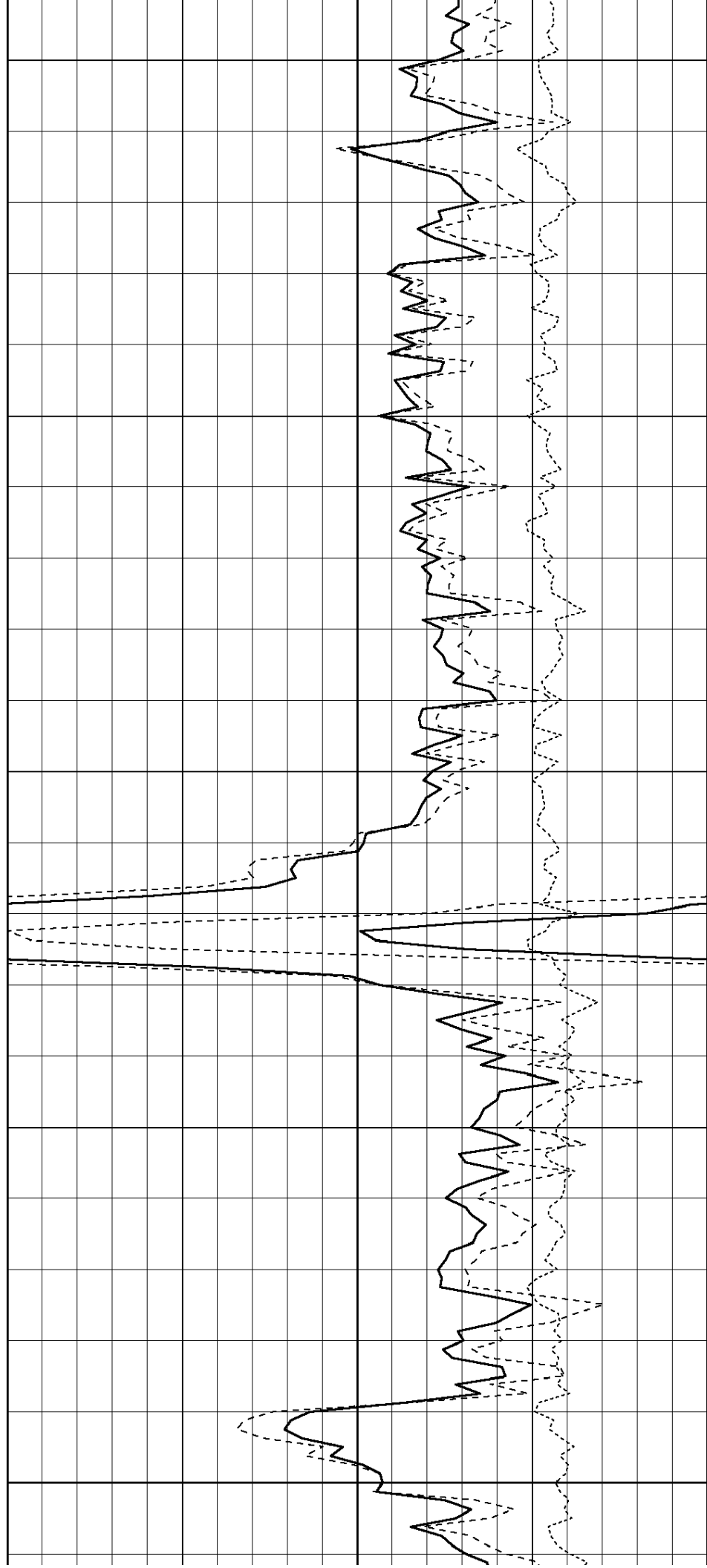
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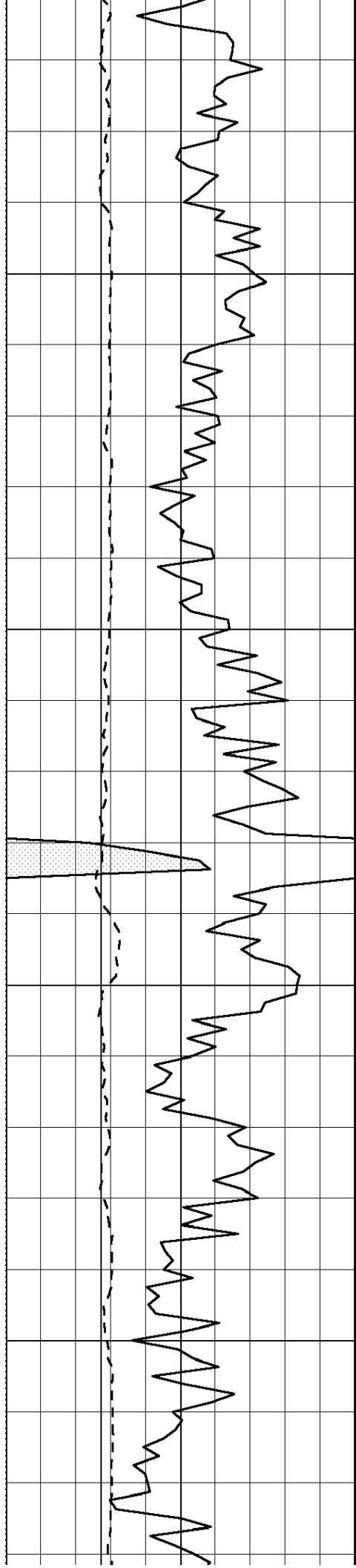
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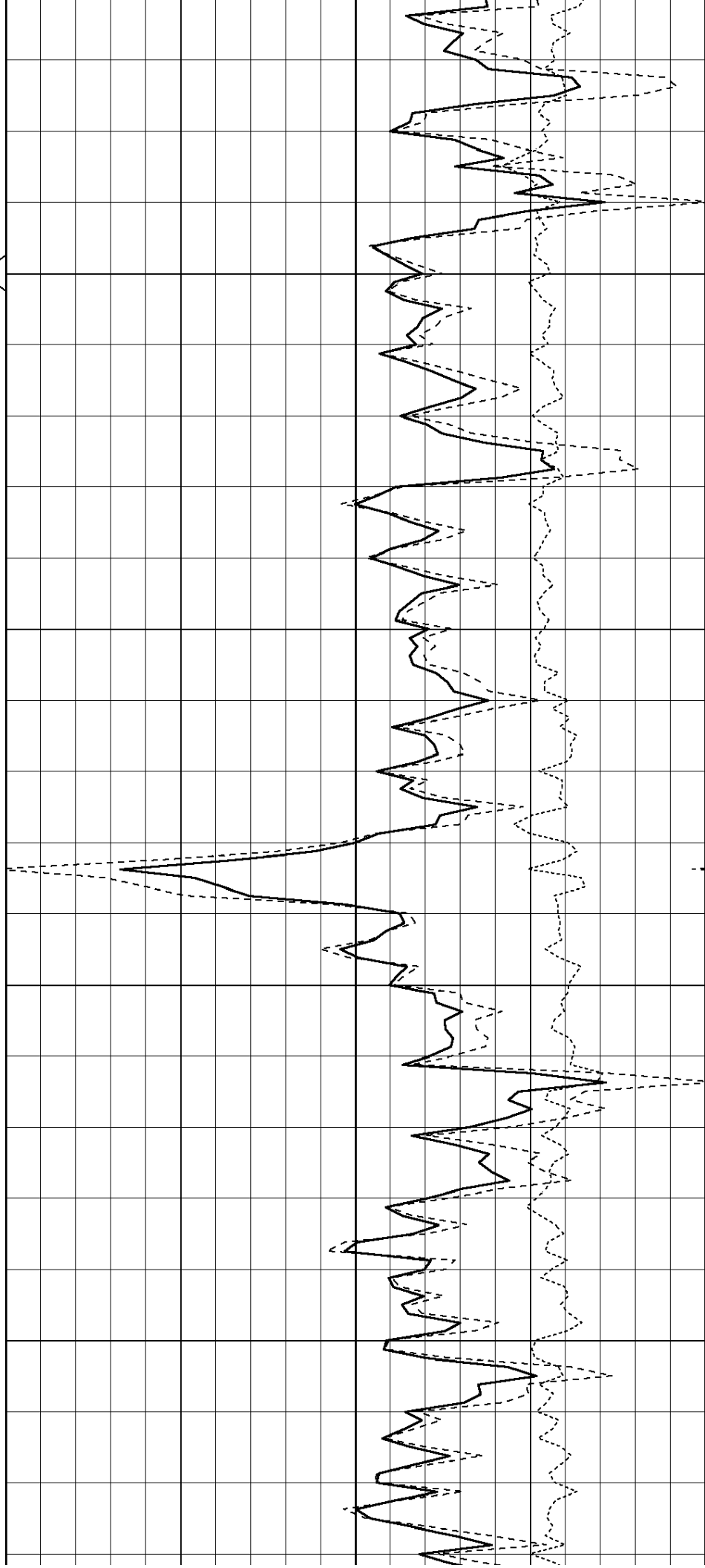


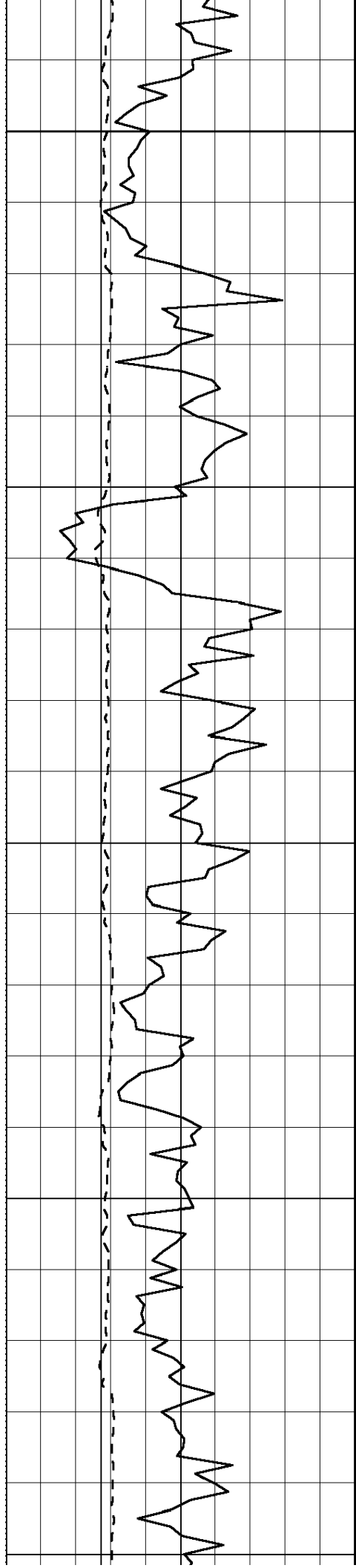
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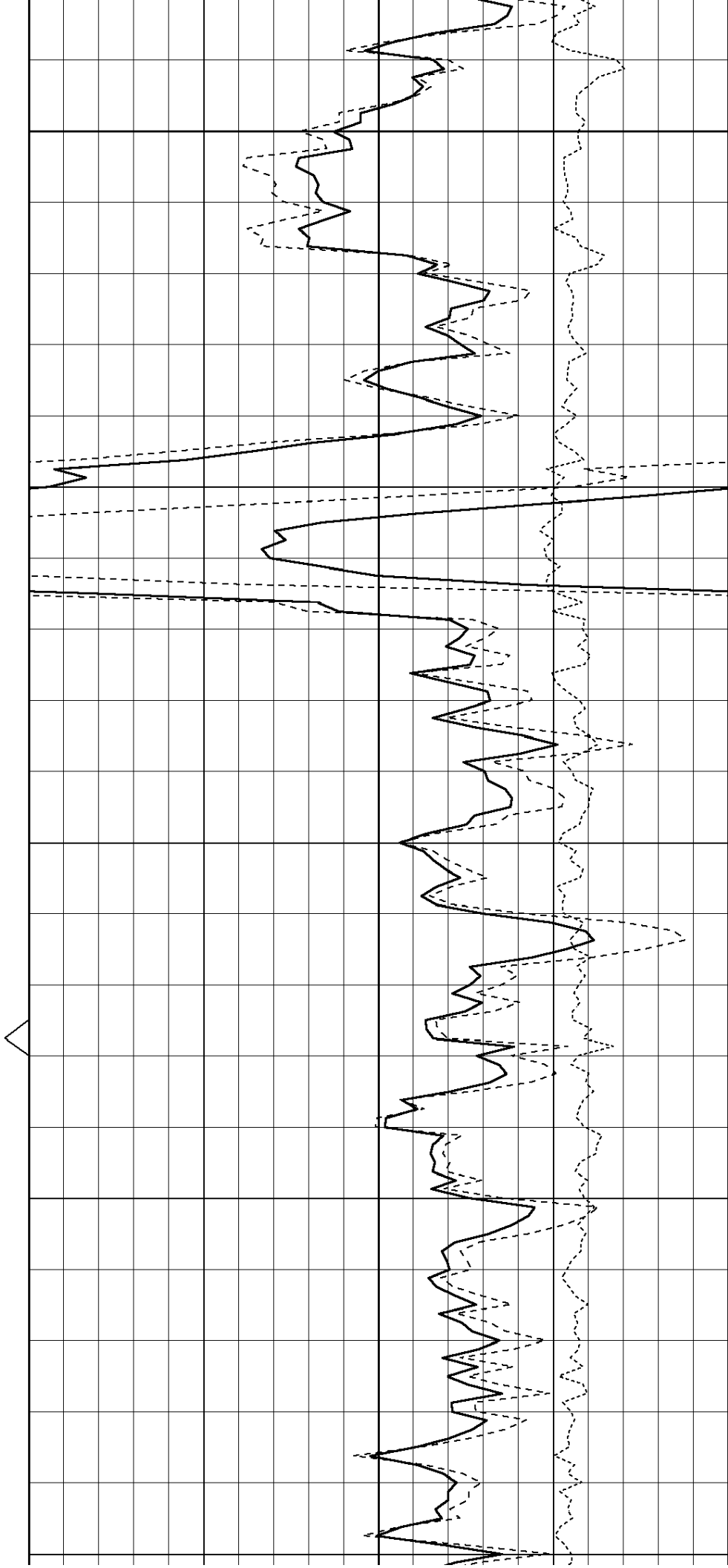
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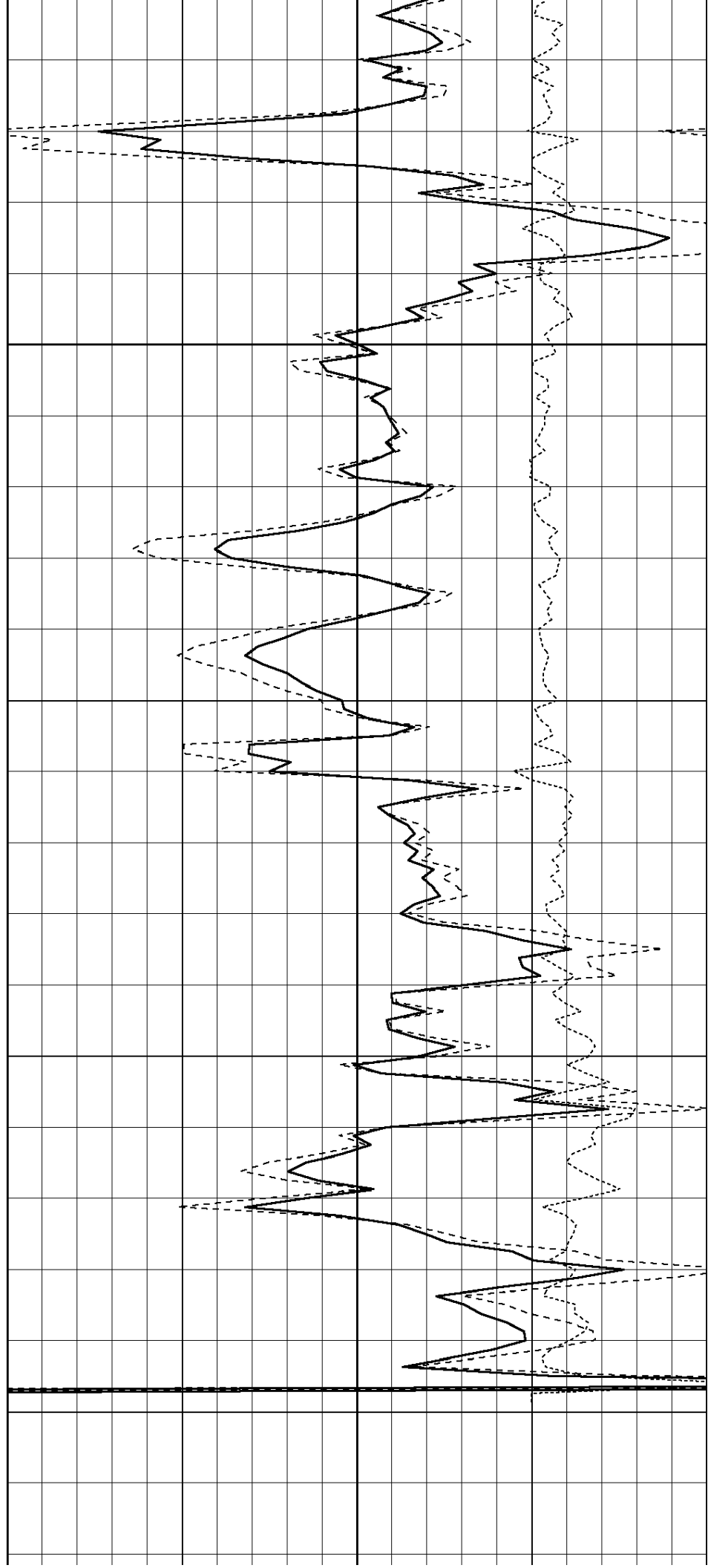
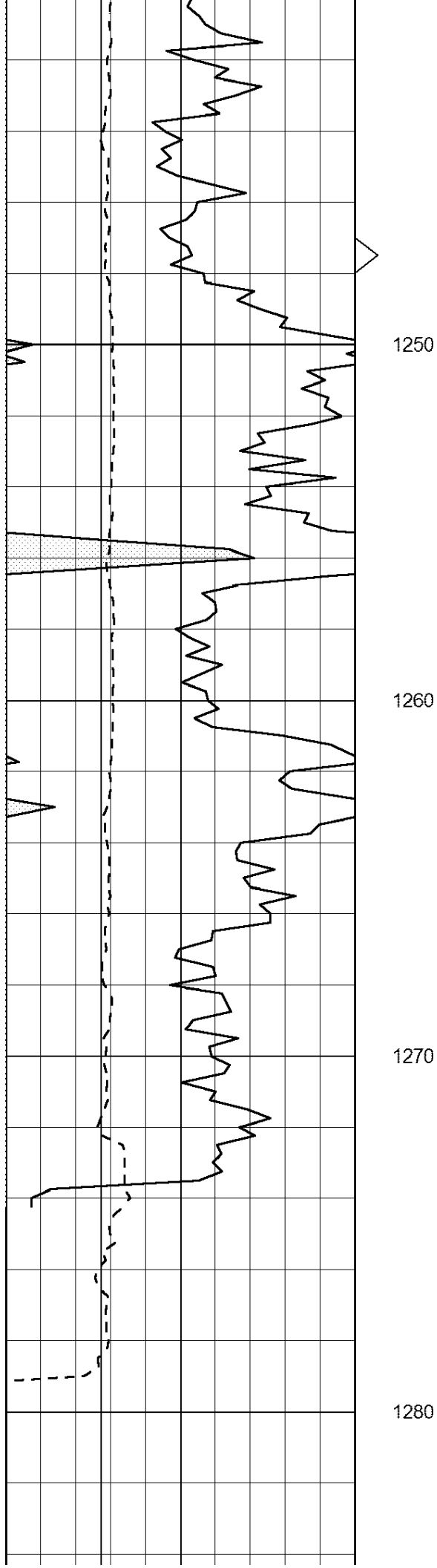
1210

1220

1230

1240





Total Length:	16.25 ft
Total Weight:	310.00 lb
O.D.	4.00 in