

HIGH RESOLUTION
COMPENSATED DENSITY
SIDEWALL NEUTRON LOG

Company	LAYNE ENERGY OPERATING, LLC	Company	LAYNE ENERGY OPERATING, LLC
Well	METZGER # 16C-34	Well	METZGER # 16C-34
Field		Field	
County	WILSON	County	WILSON
State	KANSAS	State	KANSAS
Location:	NE NW SE SE 1305' FSL & 825' FEL SEC 34 TWP 30S RGE 14E	API # : 15-205-27926-0000	Other Services DIL
Permanent Datum	GL	Elevation	910'
Log Measured From	GL		
Drilling Measured From	GL	Elevation	910'
Date	4-6-2011		
Run Number	ONE		
Depth Driller	1262'		
Depth Logger	1263'		
Bottom Logged Interval	1261'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 41'		
Casing Logger	8.625" @ 41'		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / 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

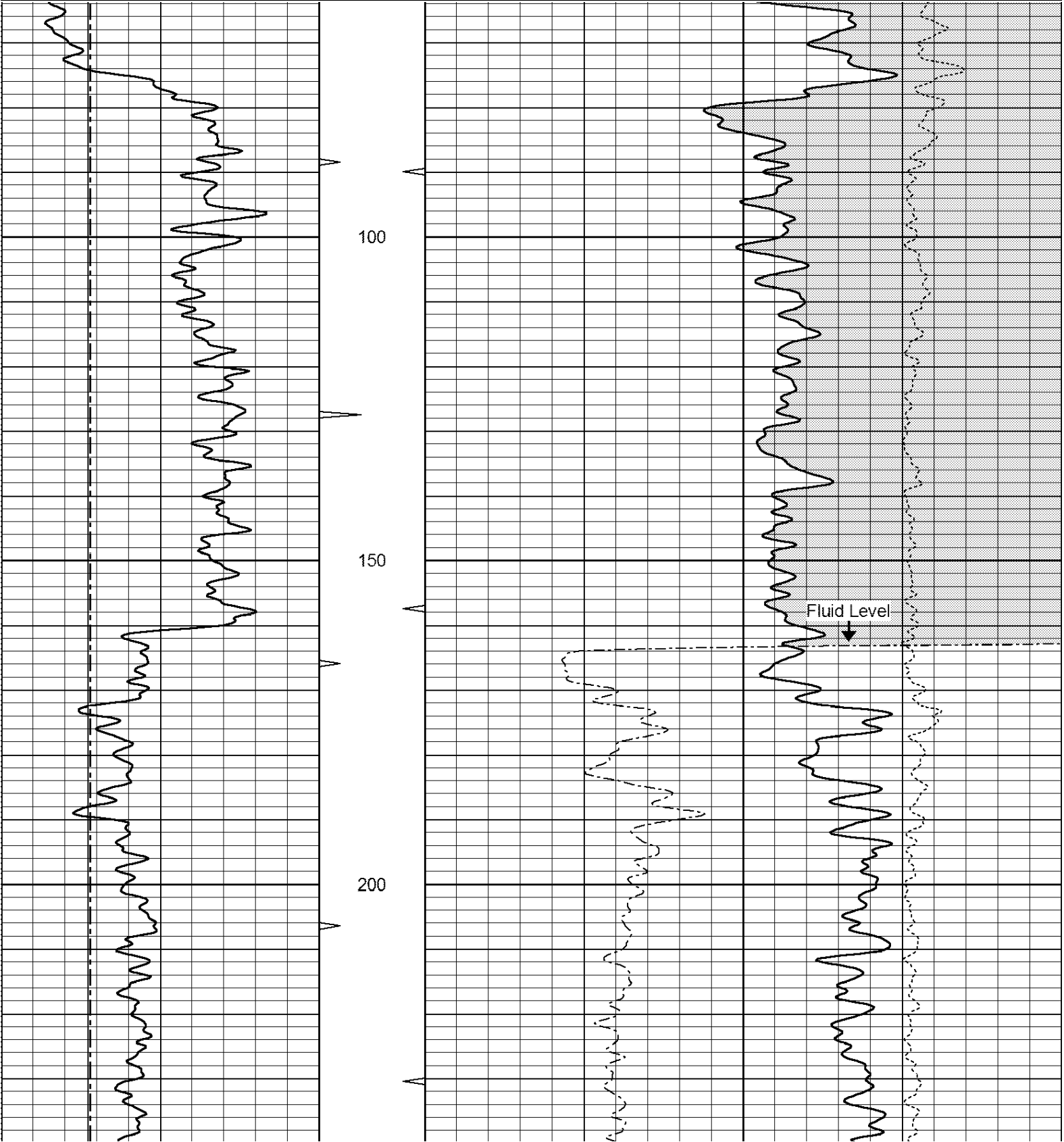
OW1-7762
MATRIX LIMSTONE 2.68 G/CC
ABHV COMPUTED WITH 4 1/2 " CASING

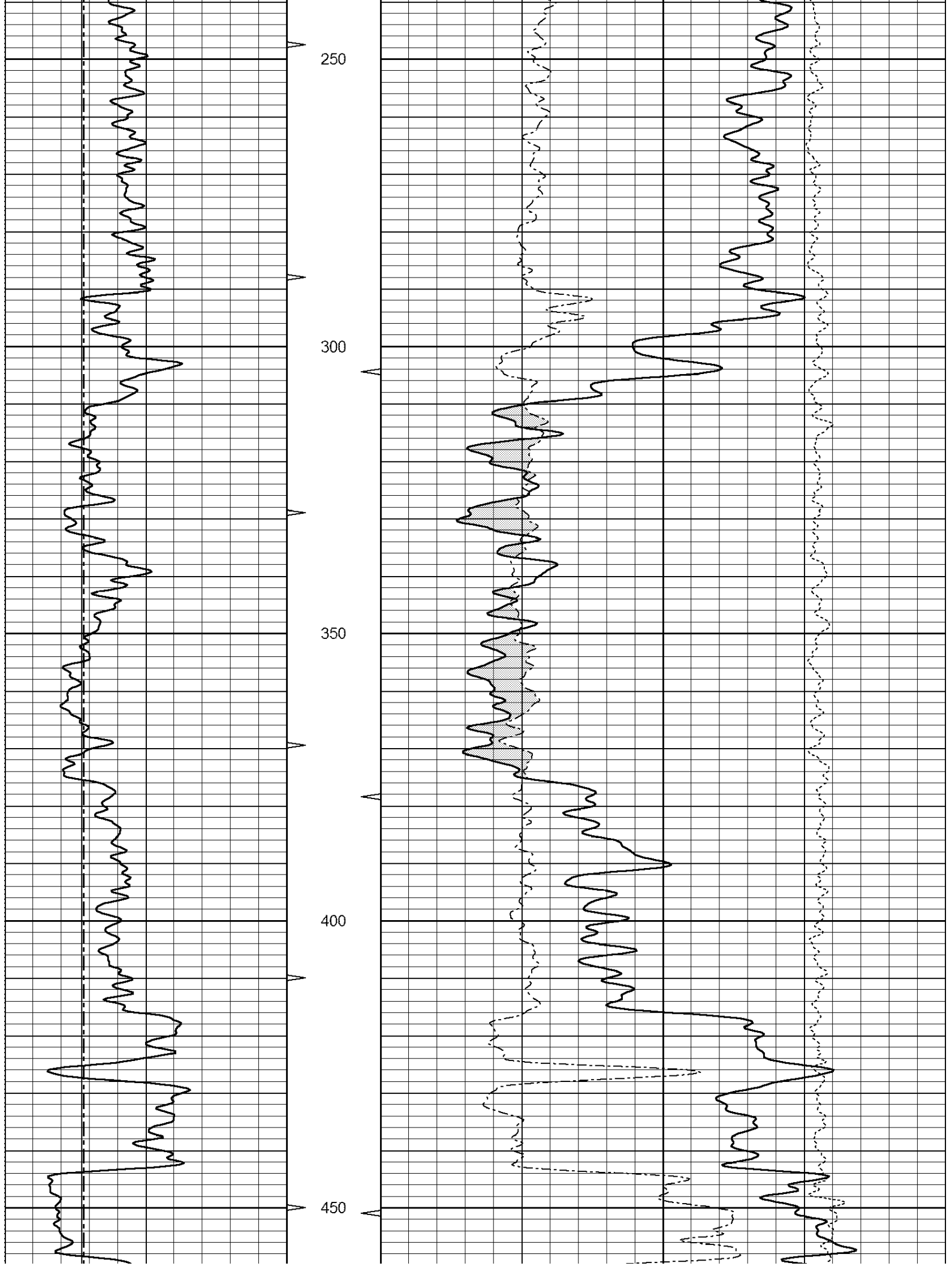


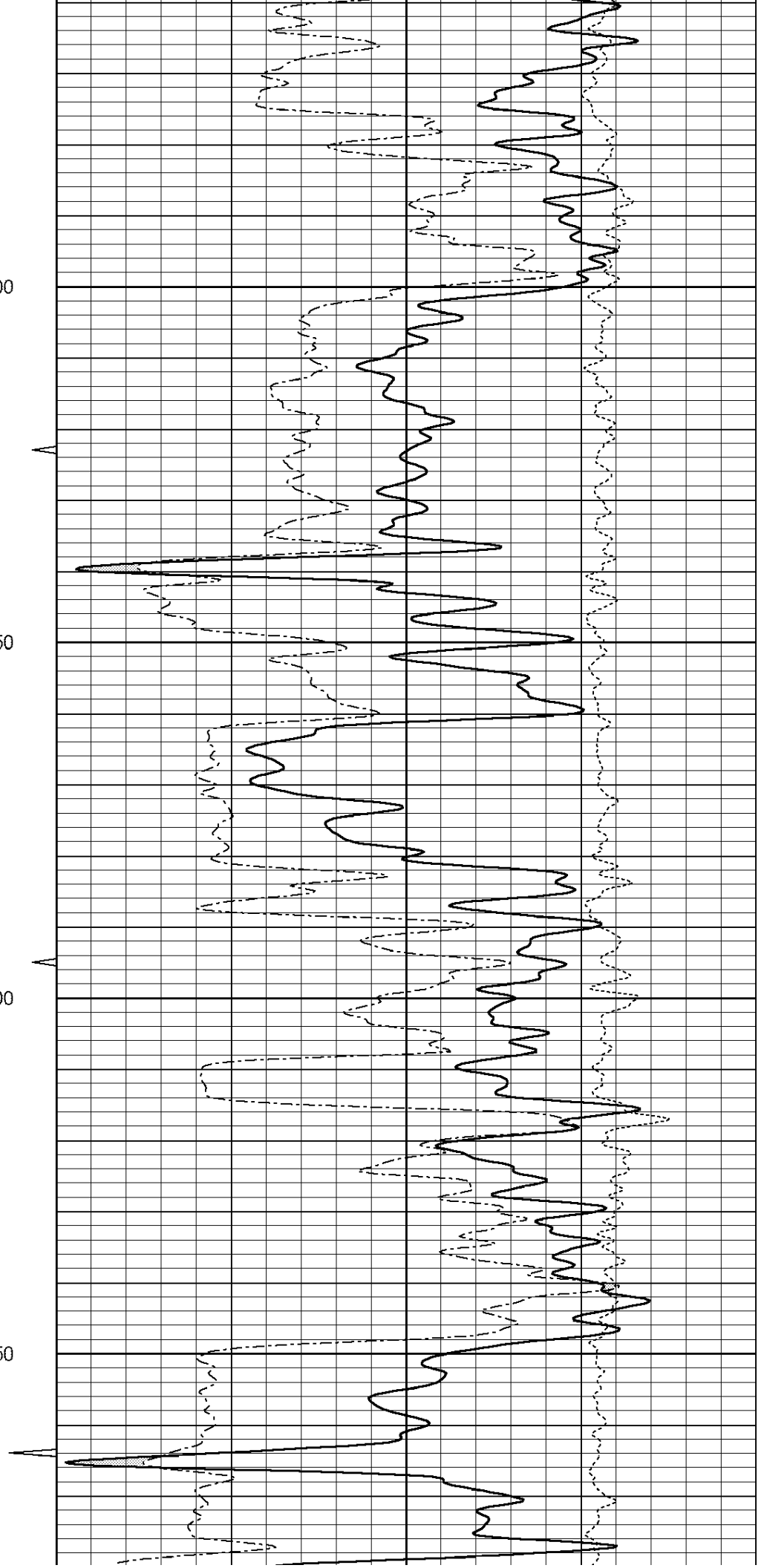
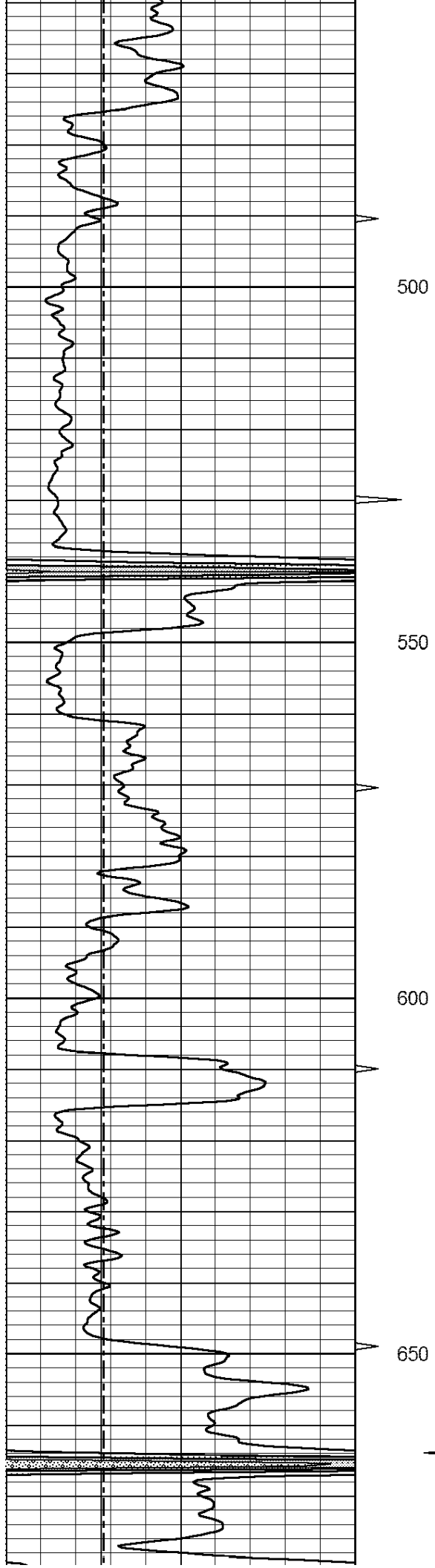
5" CDL/SWN 2.68 SECTION

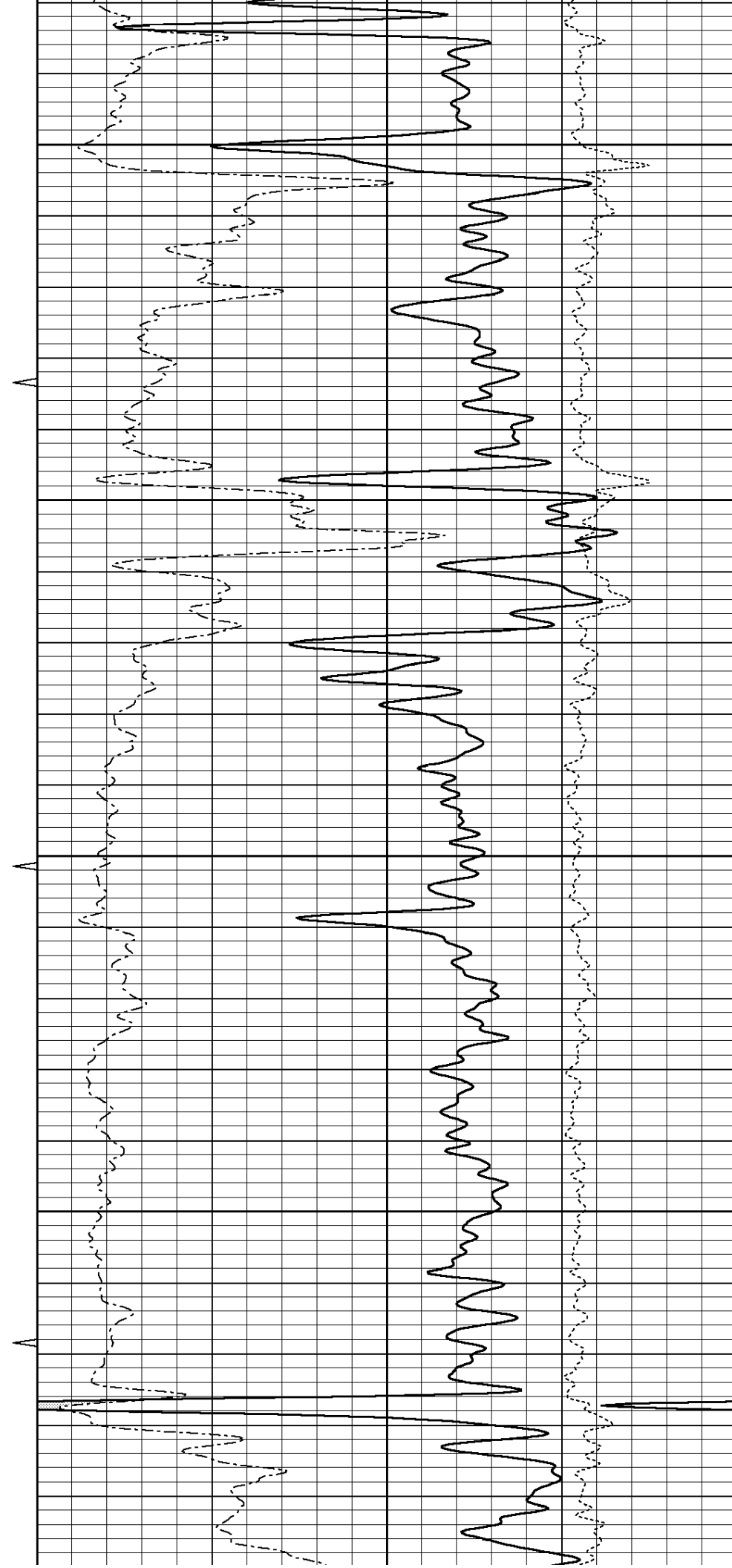
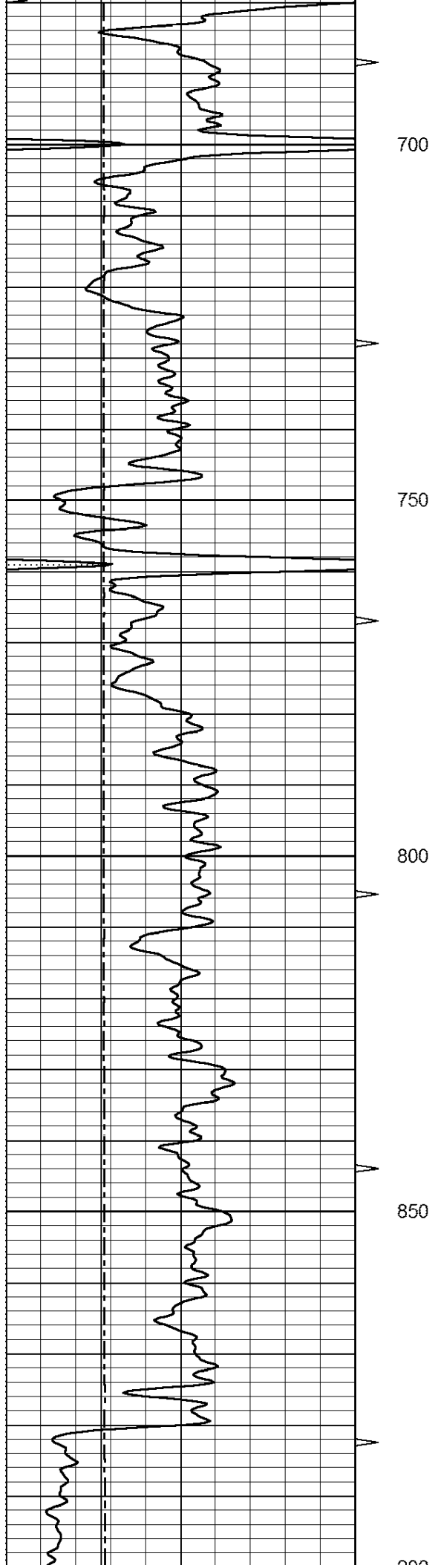
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Dataset Pathname: CDL/pass3.1
Presentation Format: _neu4
Dataset Creation: Wed Apr 06 17:36:53 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

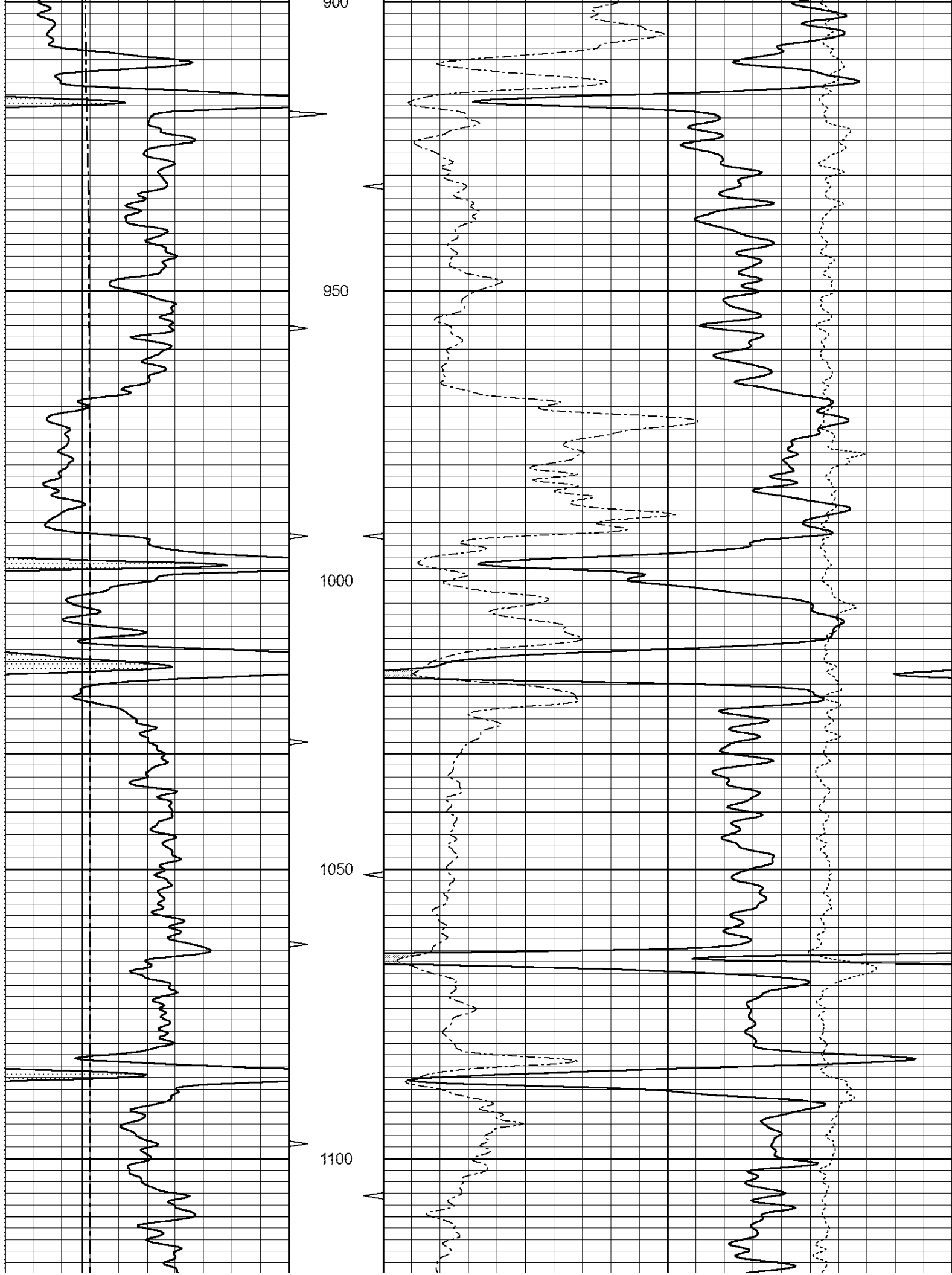
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4	Bit Size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Density Caliper (in)	14			-0.5	RHOC (g/cc) 0.5

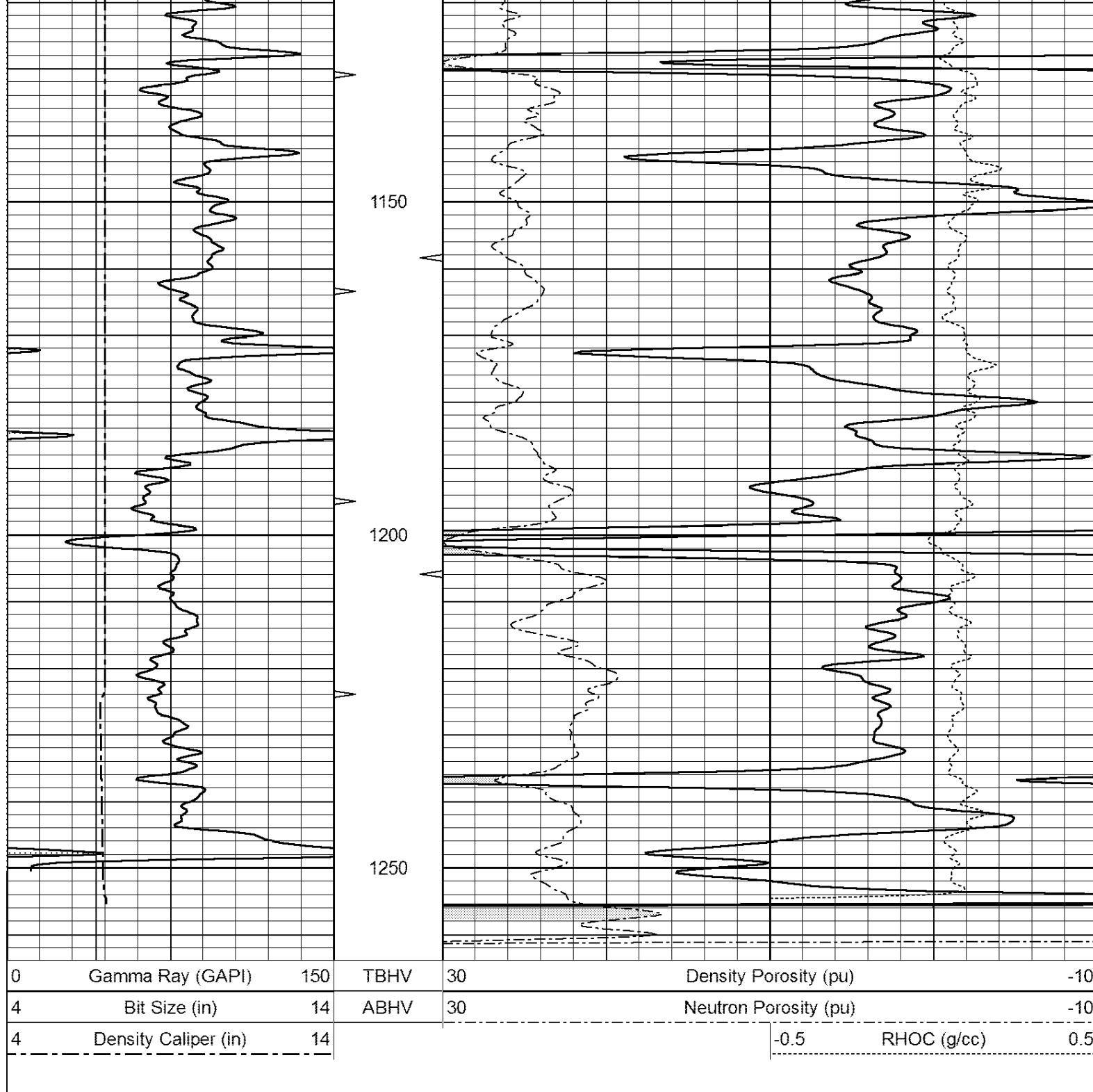












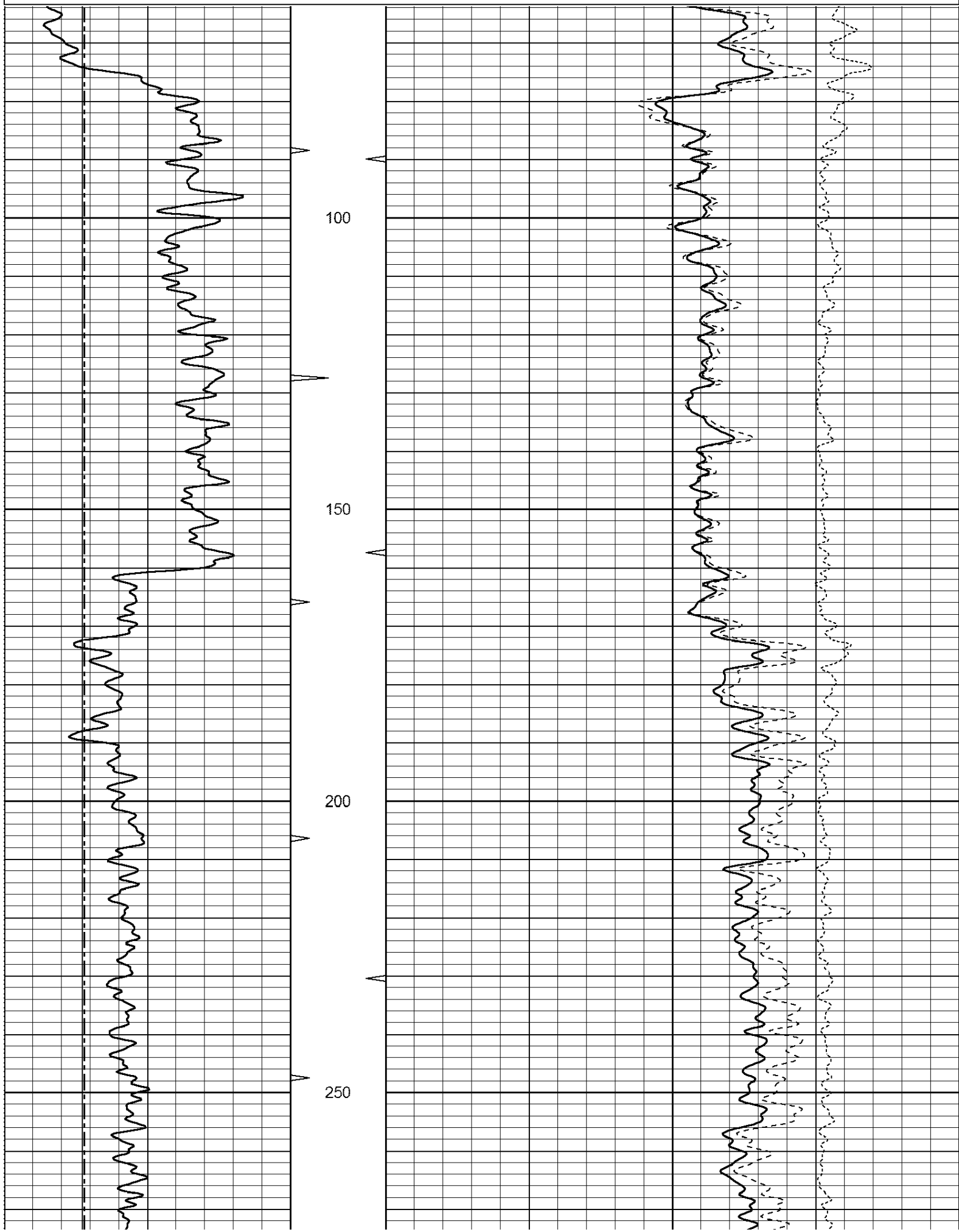
5" CDL 2.68 SECTION

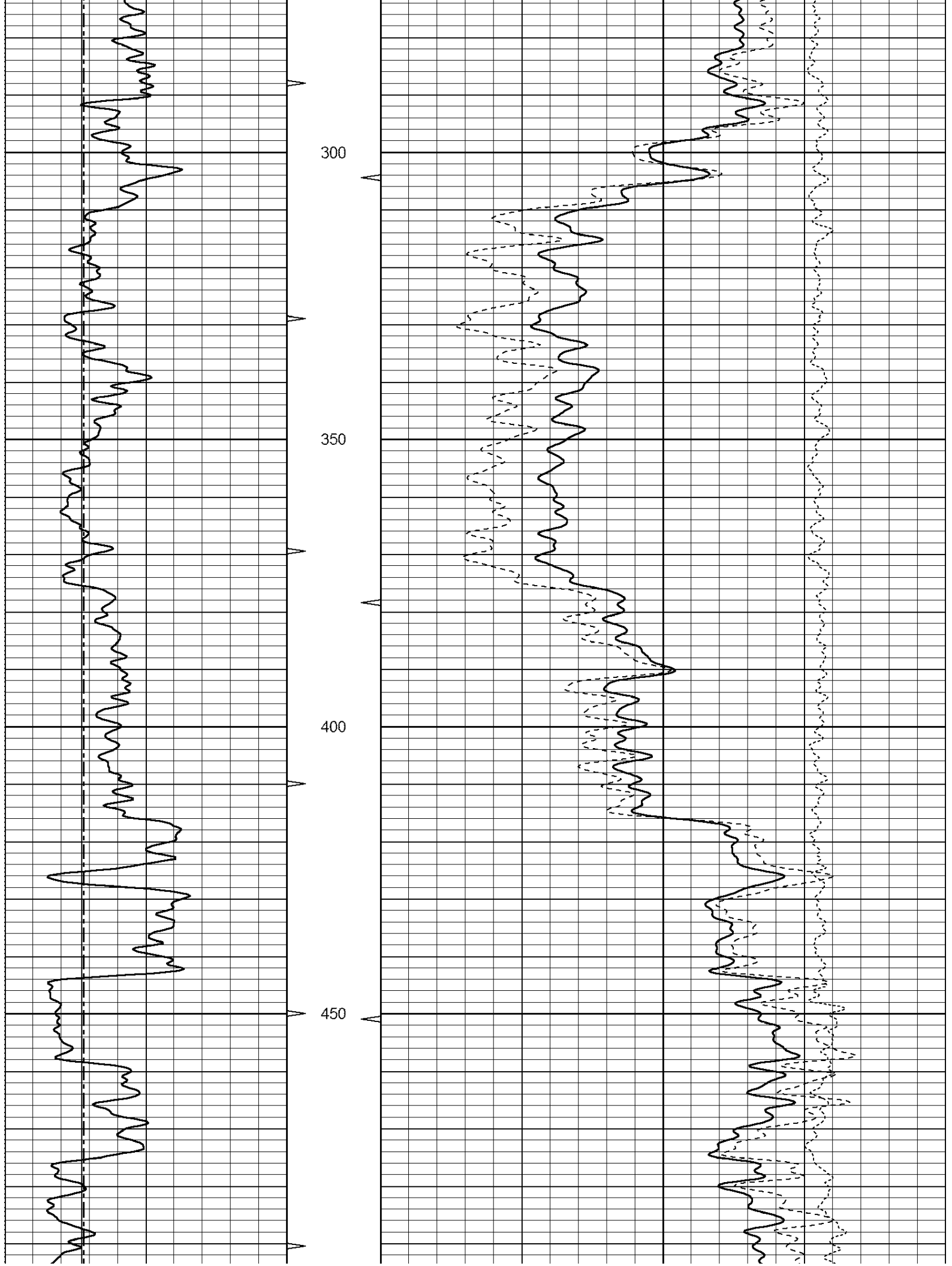
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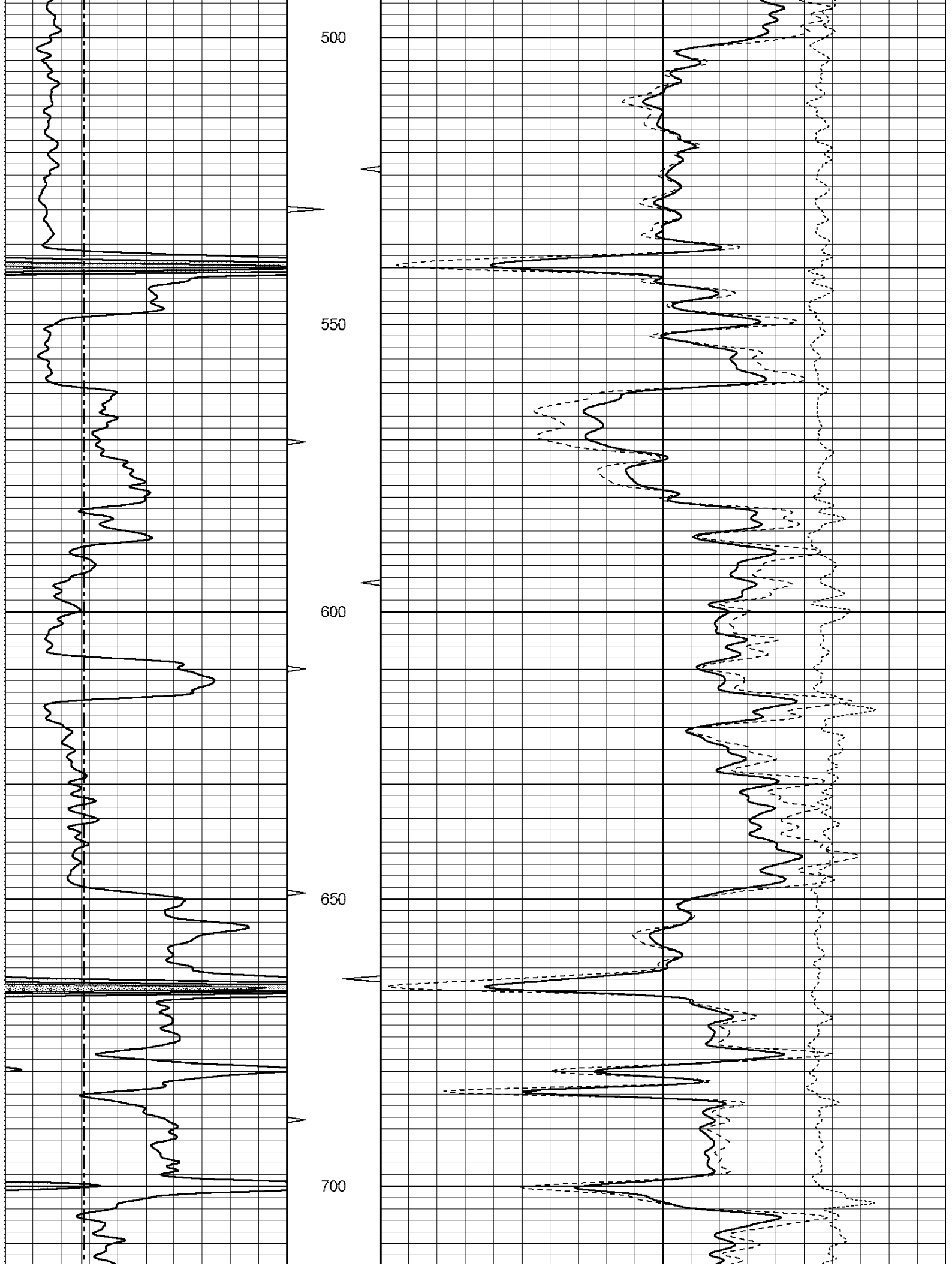
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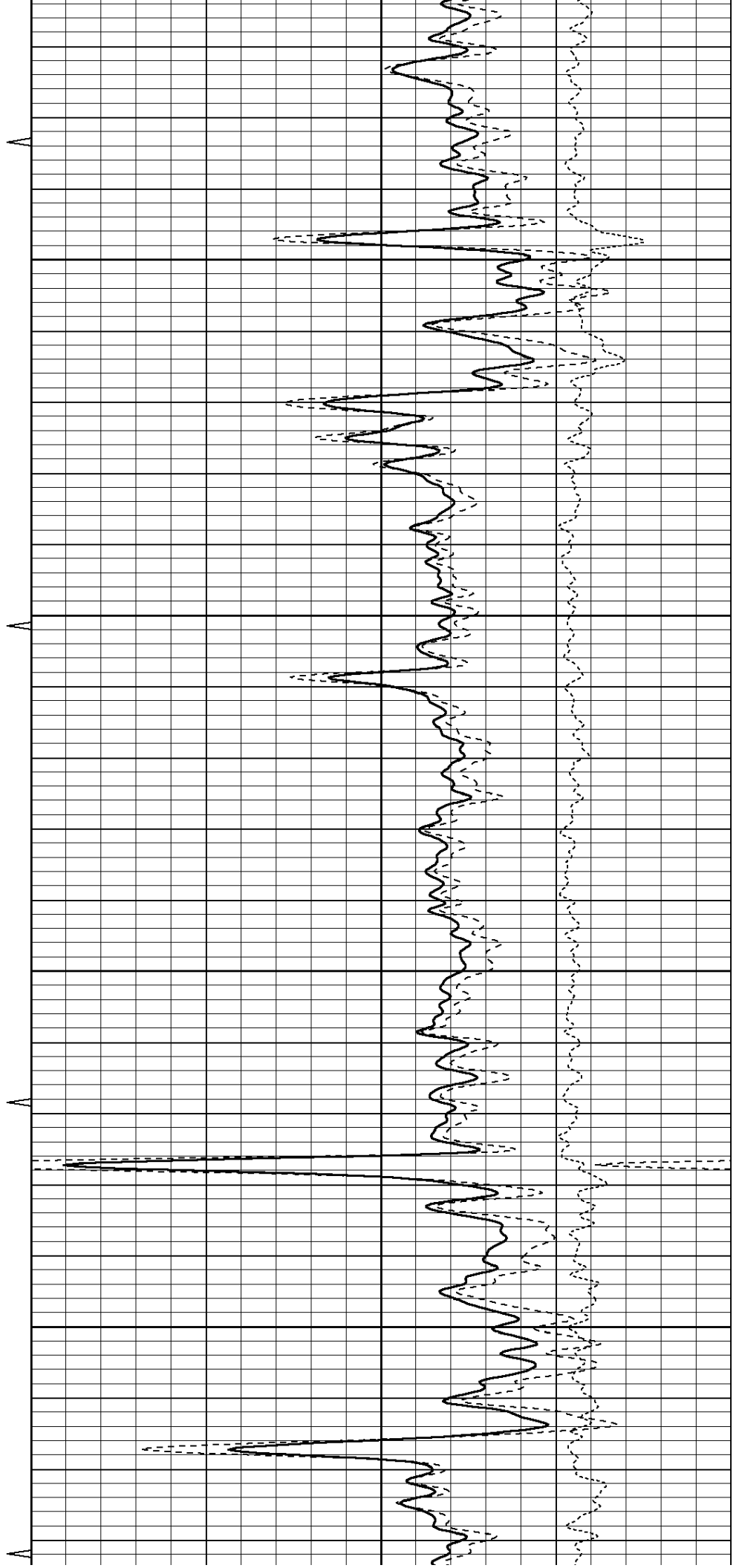
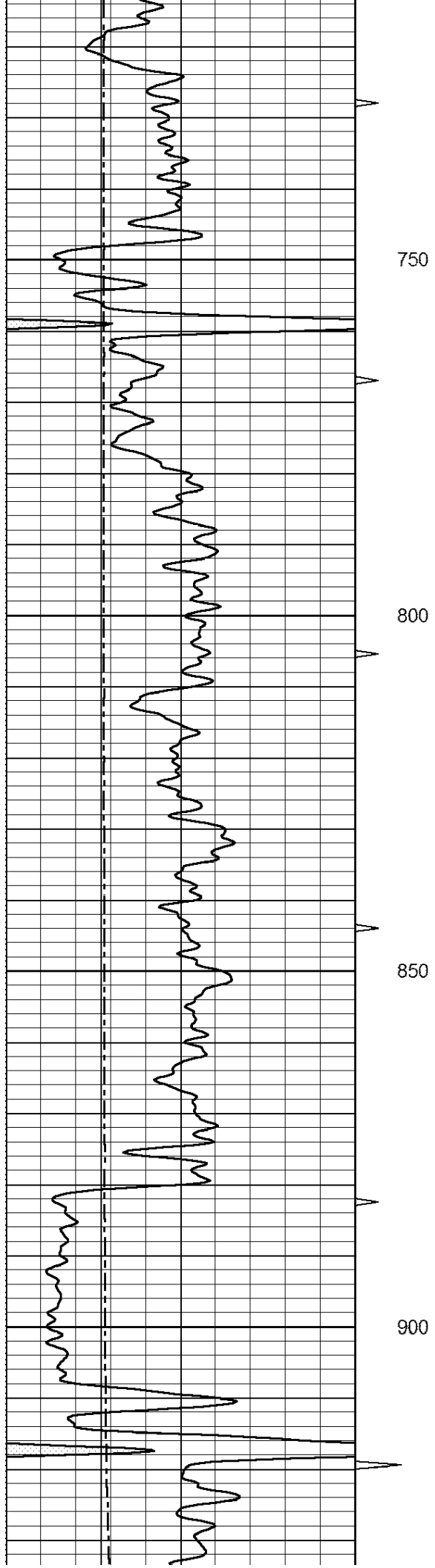
4 Density Caliper (in) 14

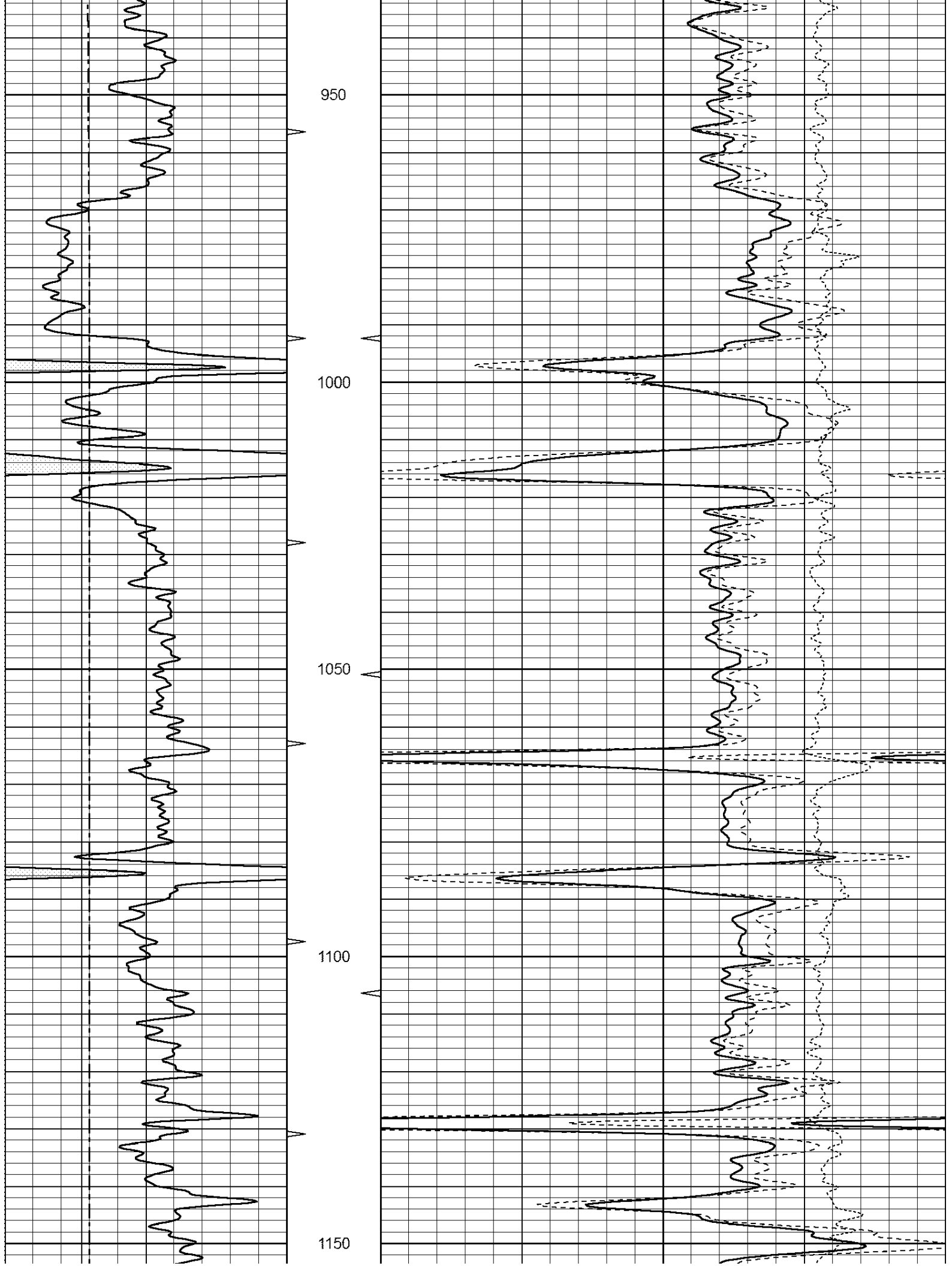
-0.5 RHOC (g/cc) 0.5

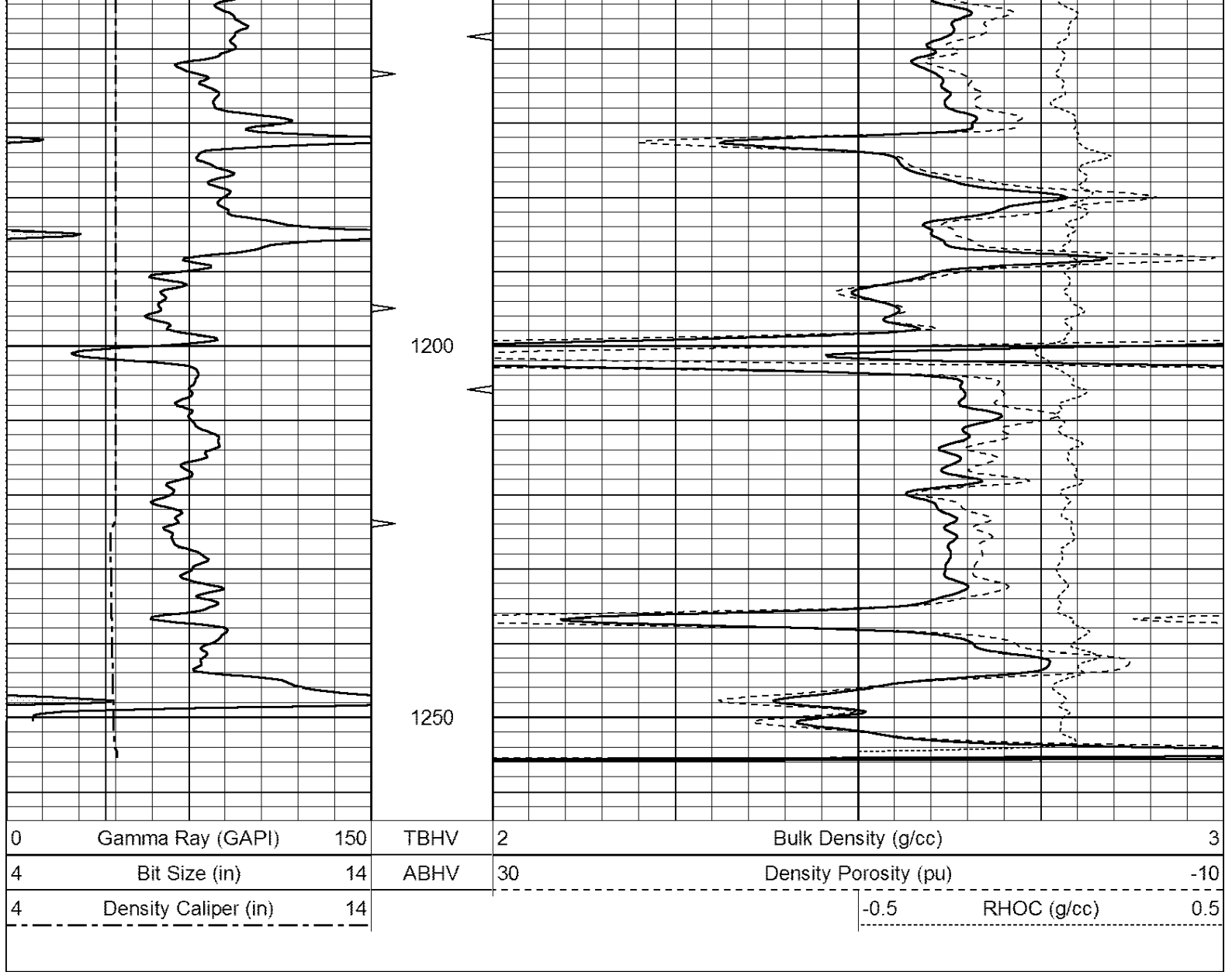








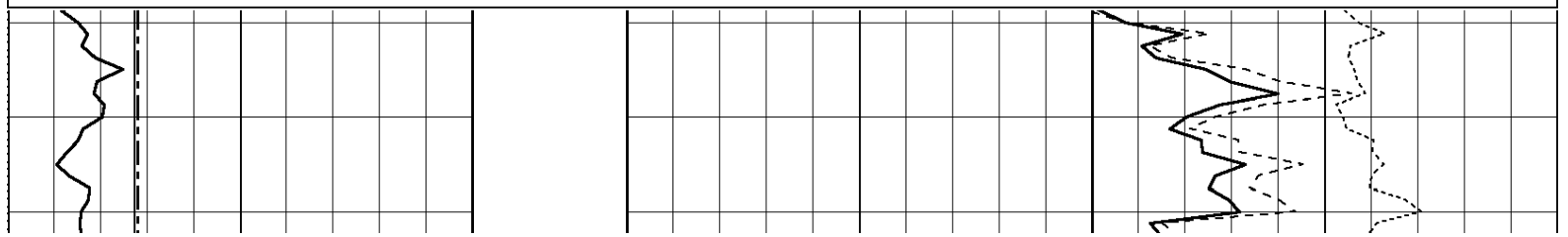


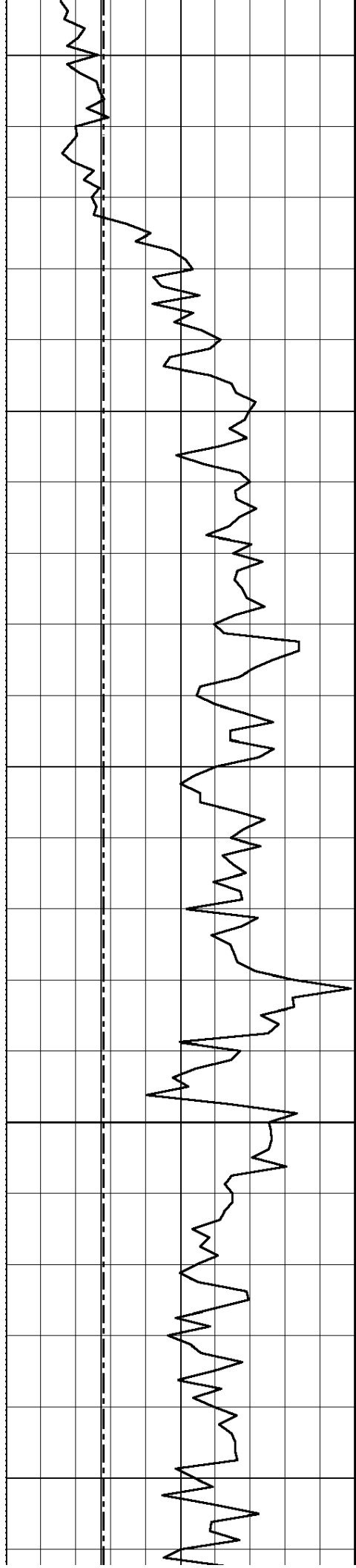


25" HR CDL 2.68 SECTION

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4	DCAL (in)	14			-0.5	0.5





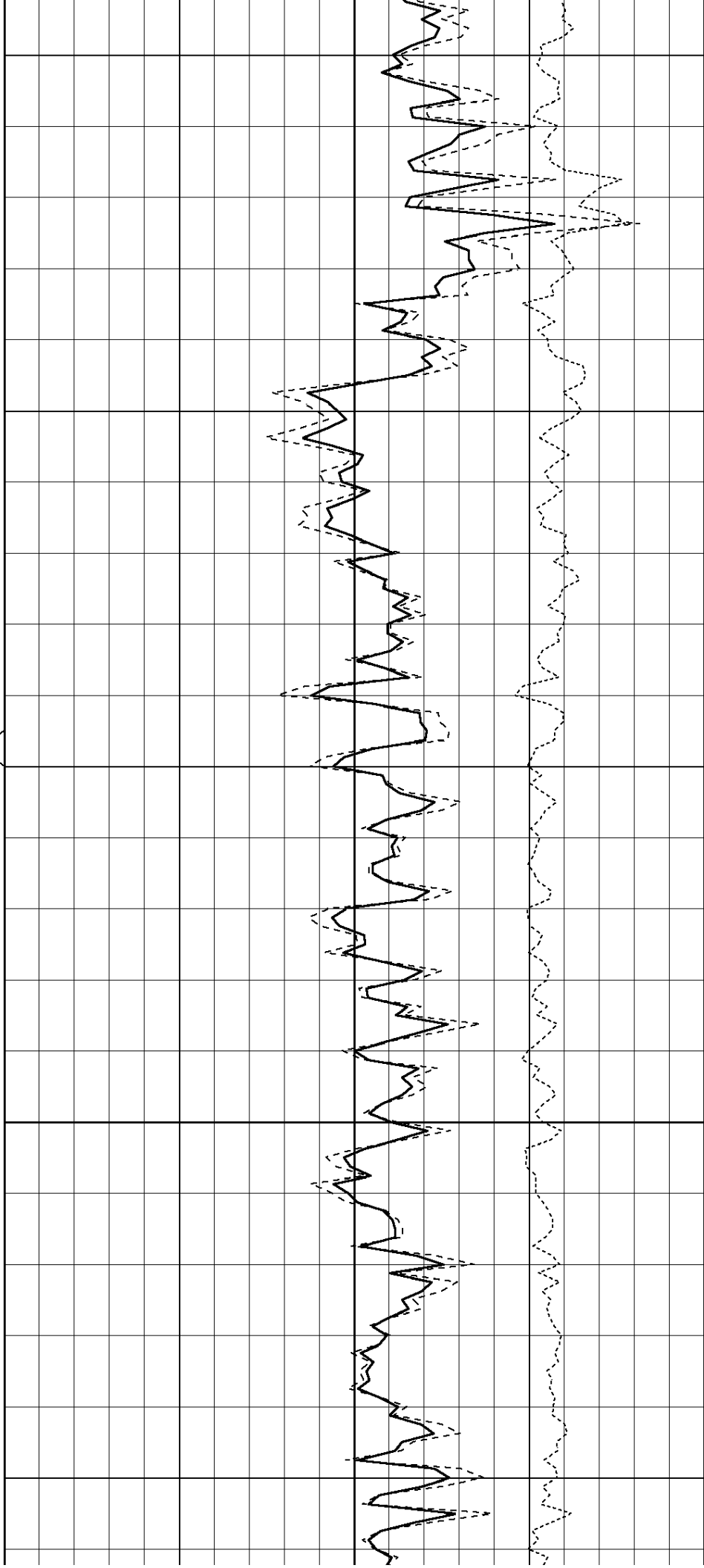
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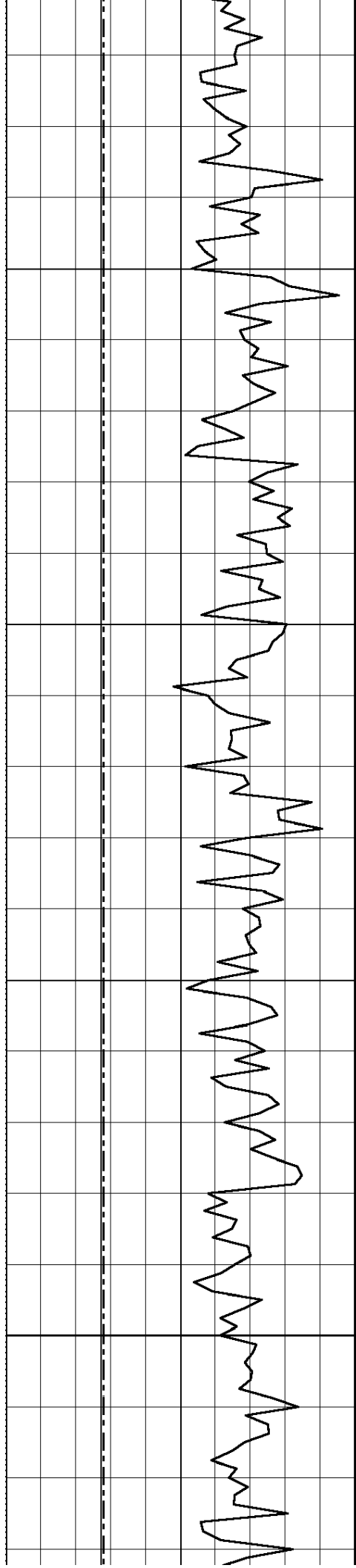
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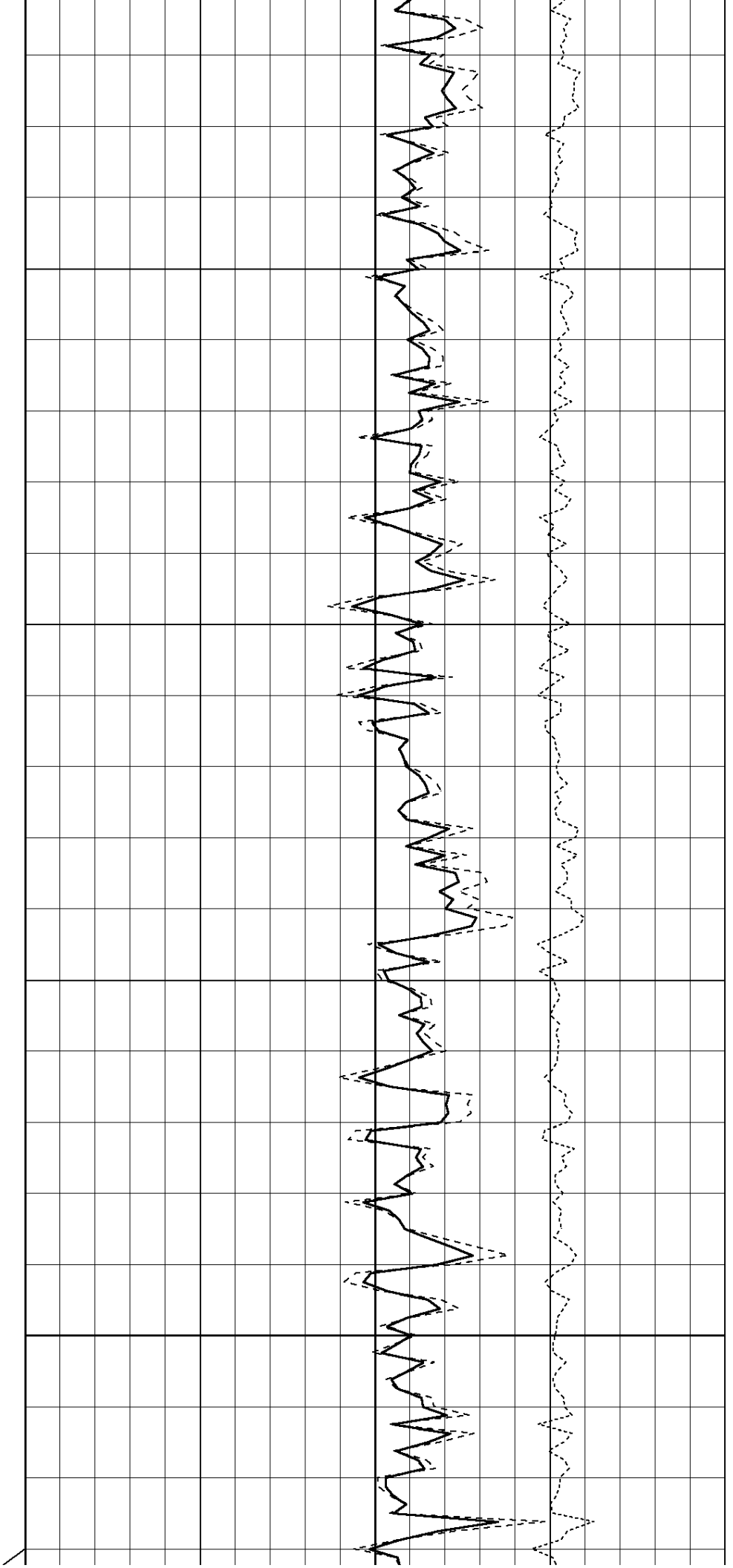


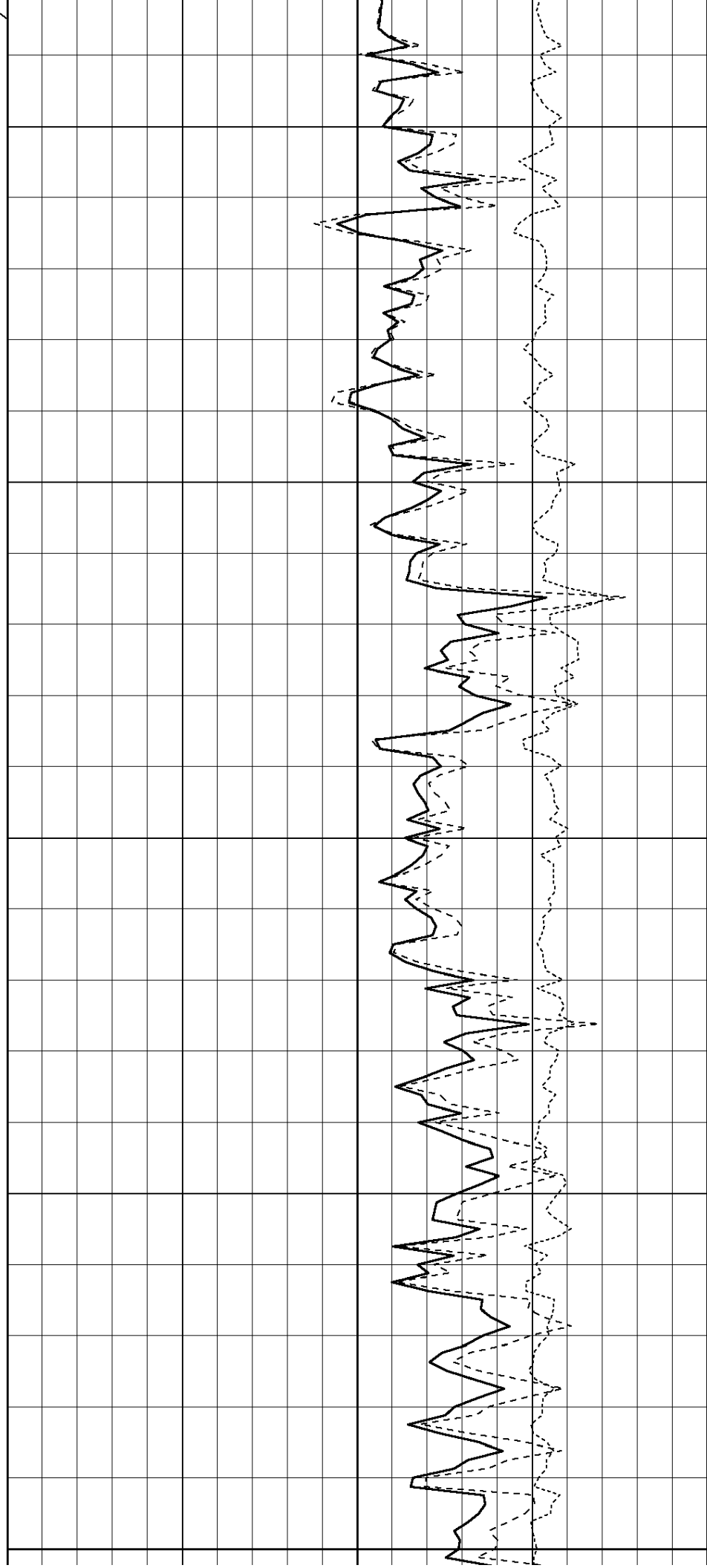
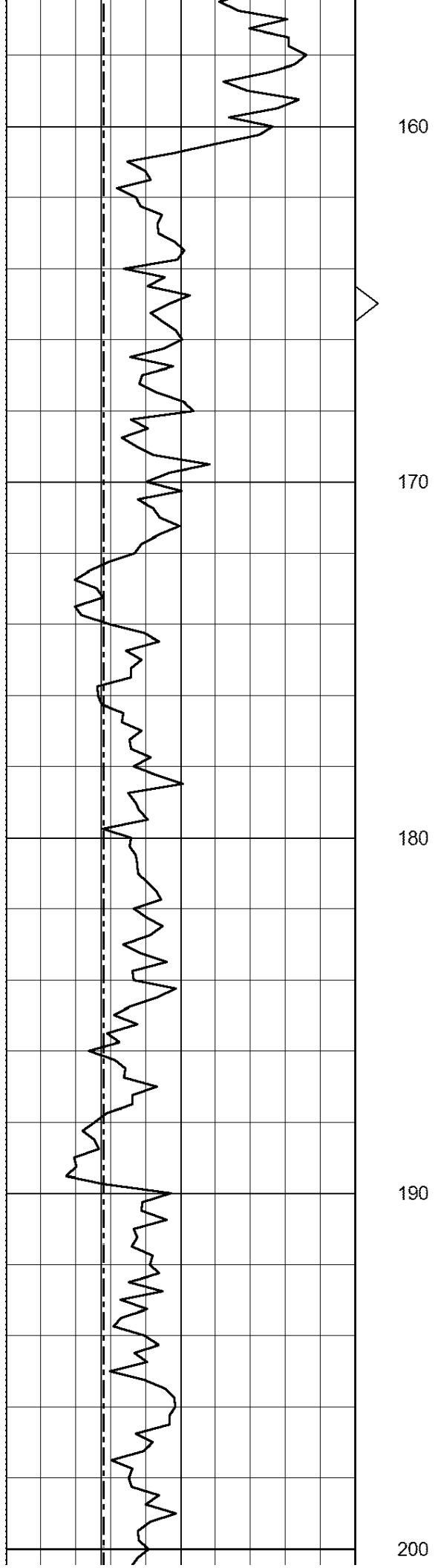
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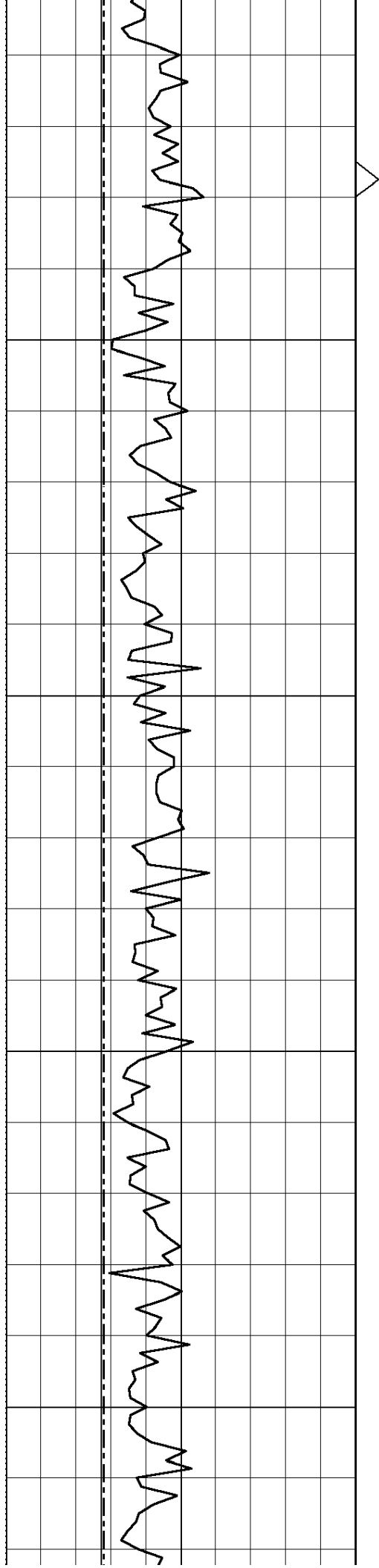
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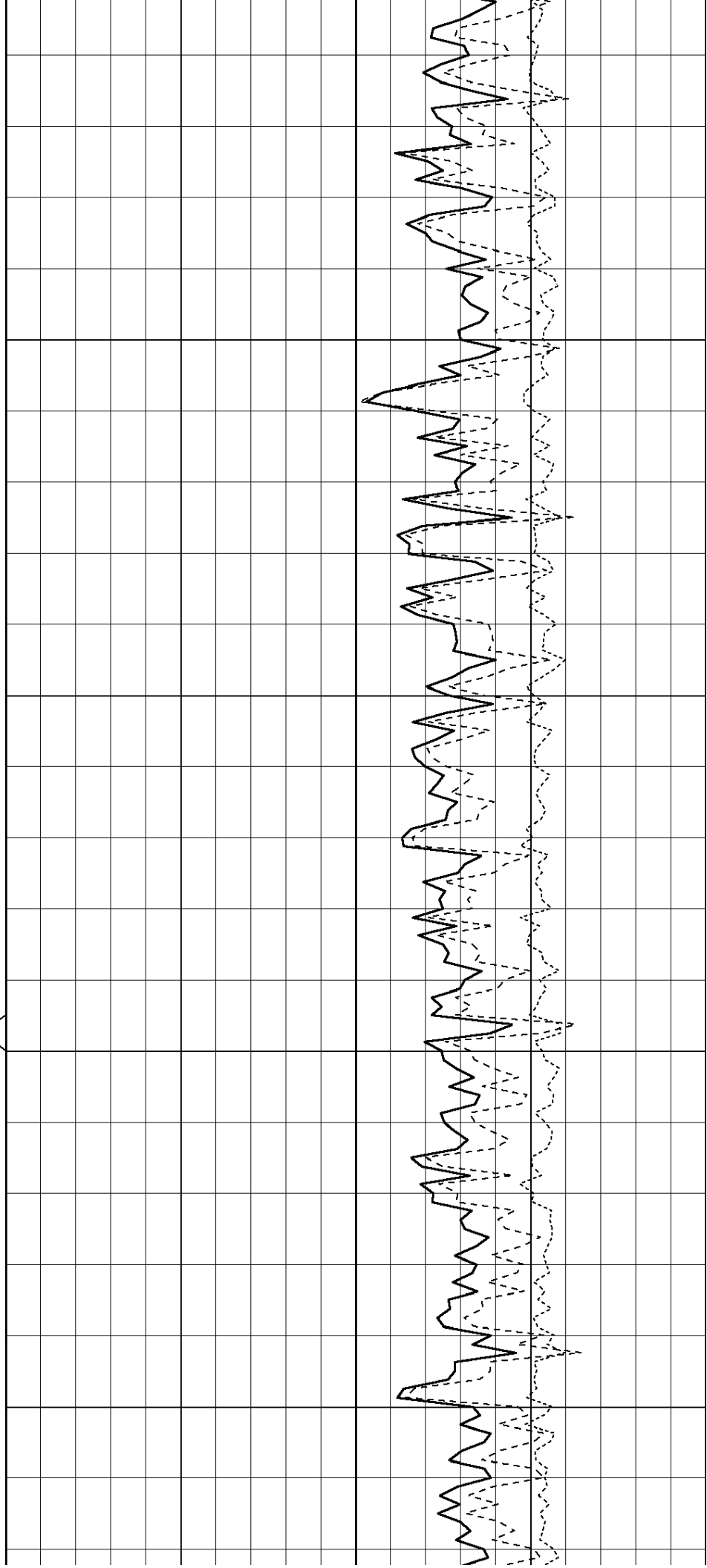


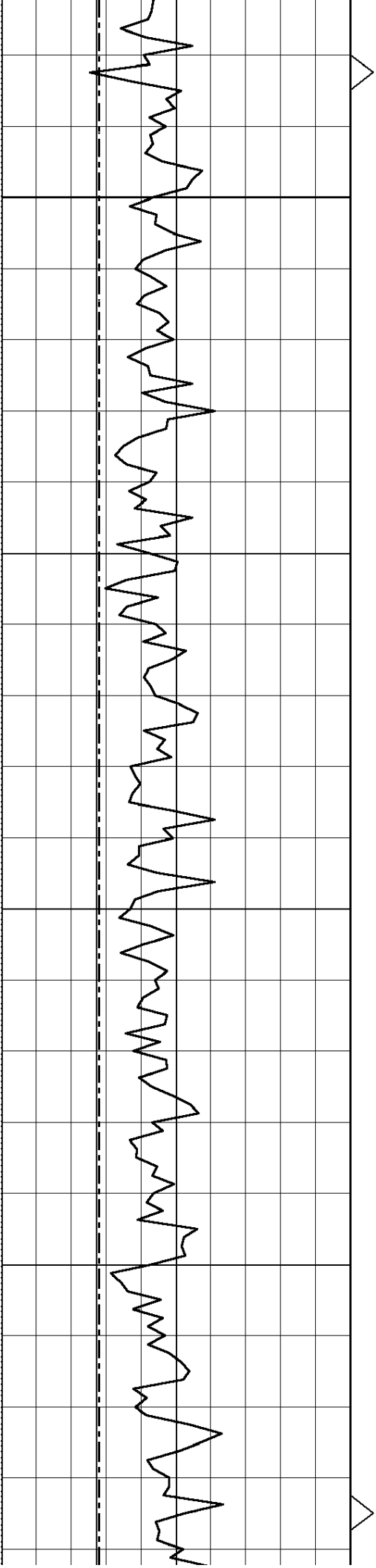
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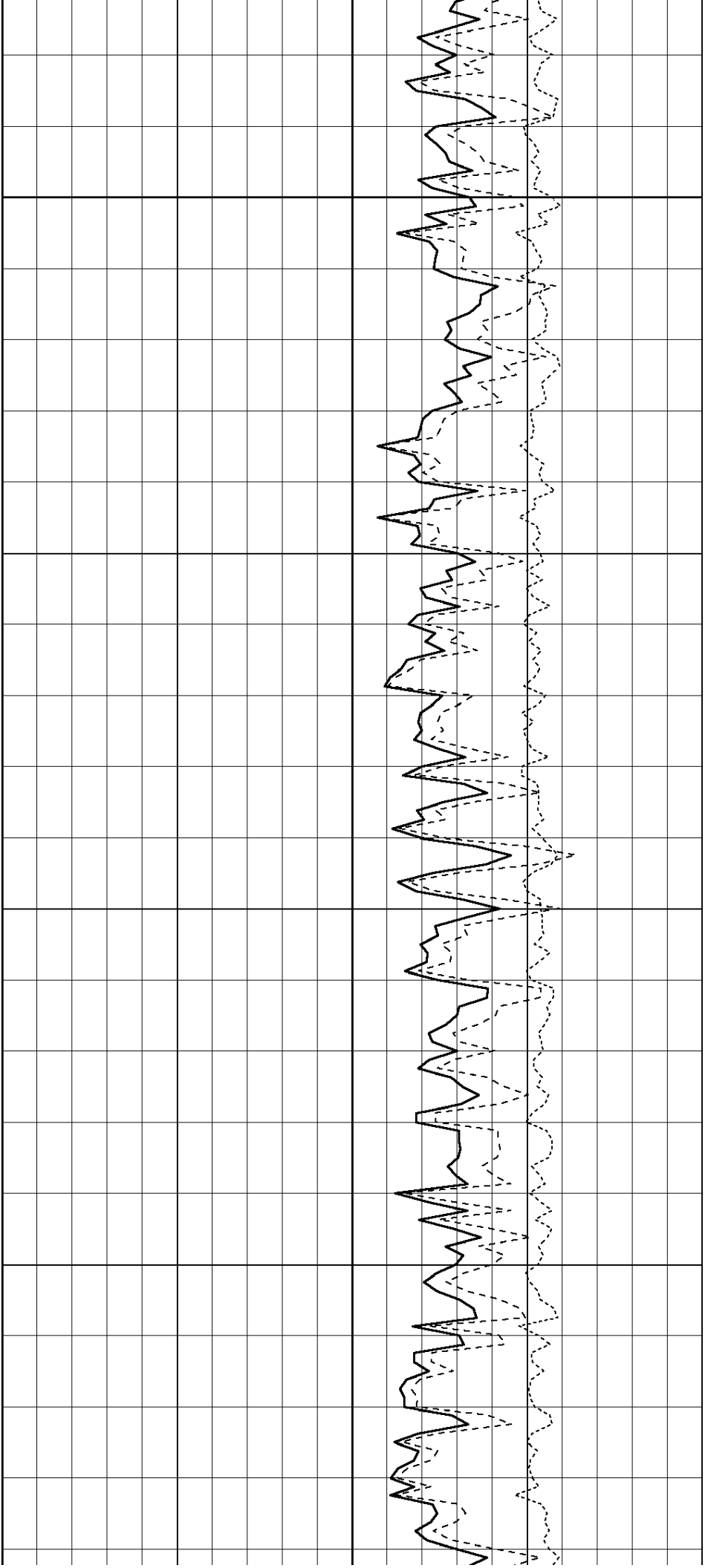


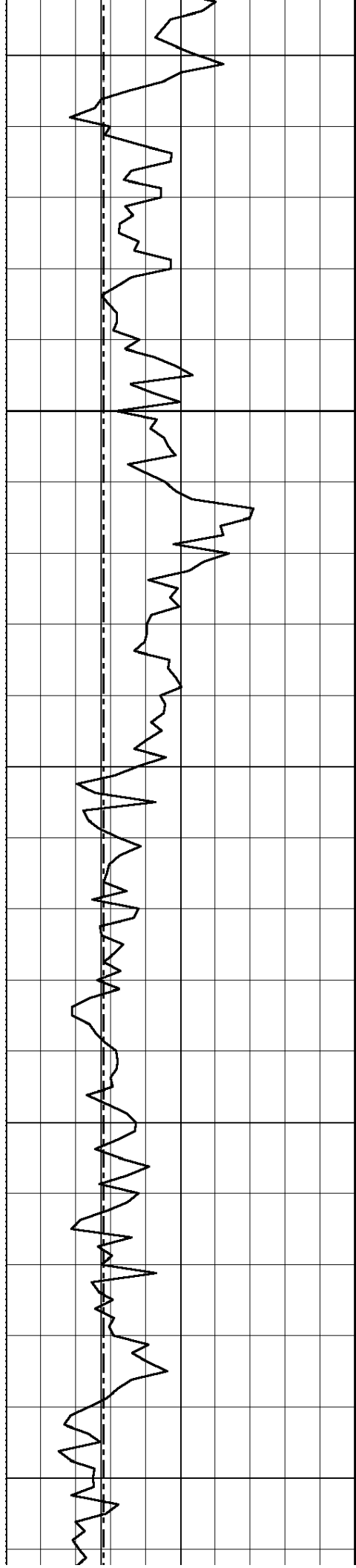
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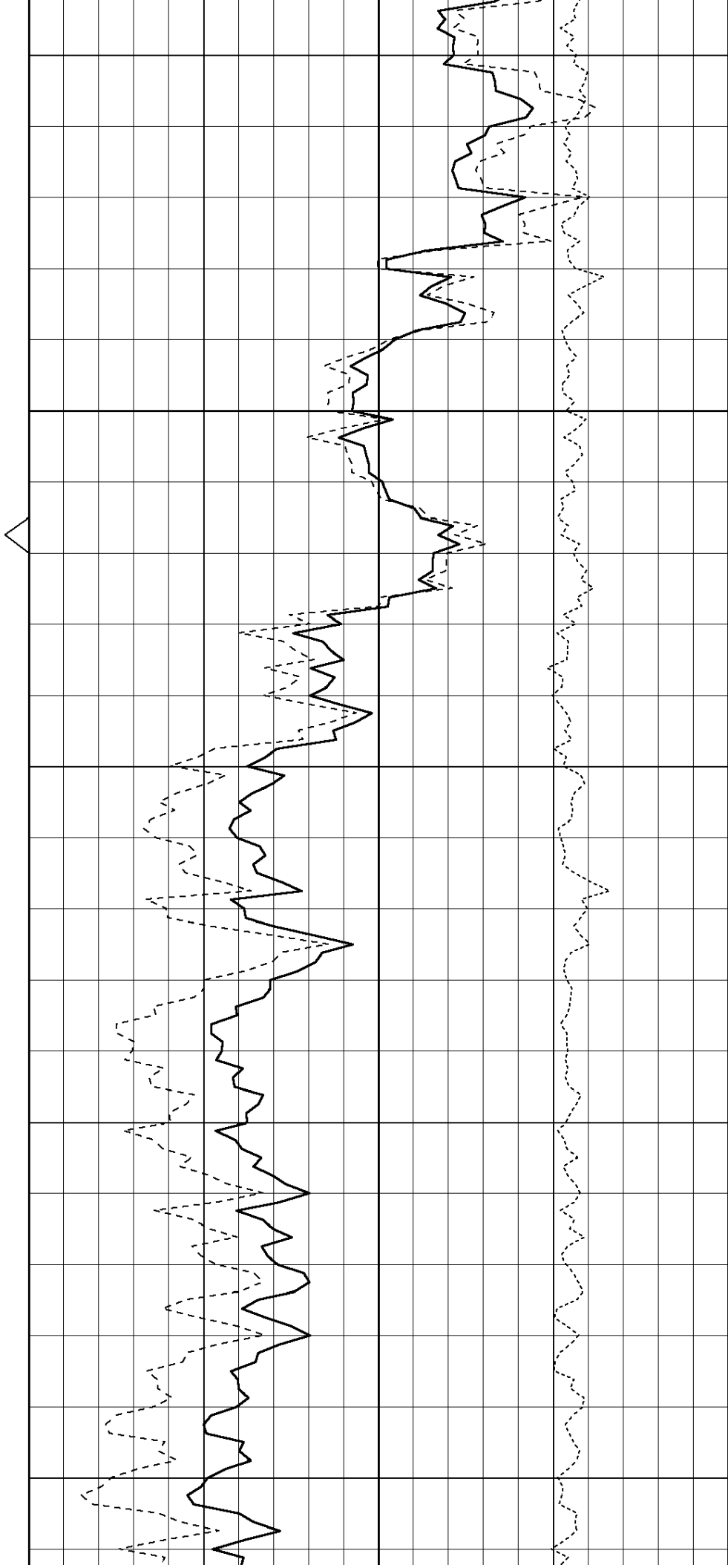
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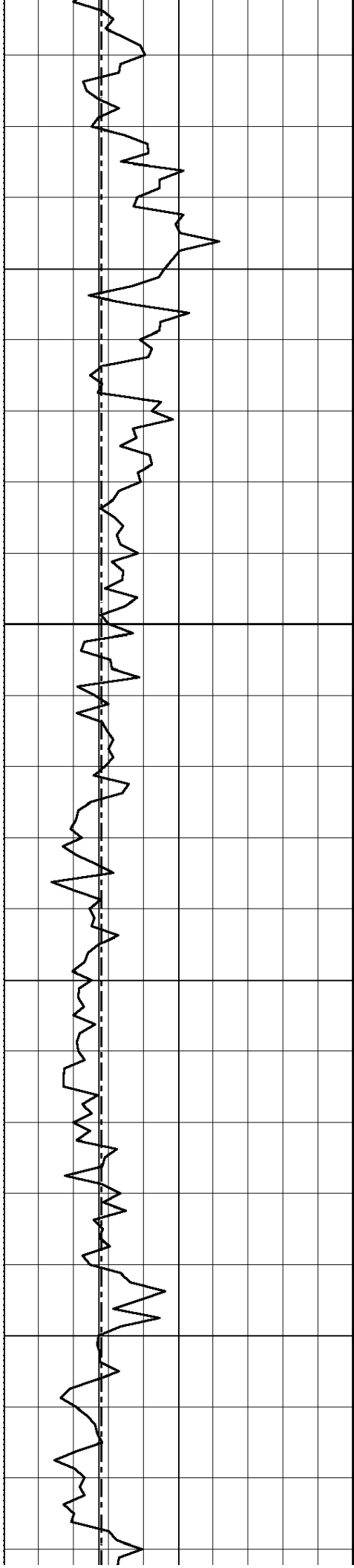
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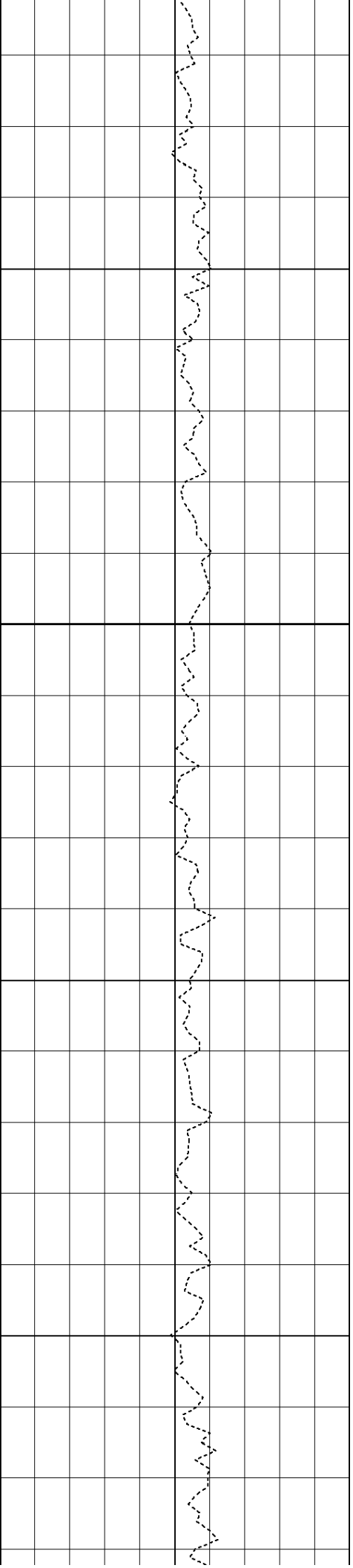
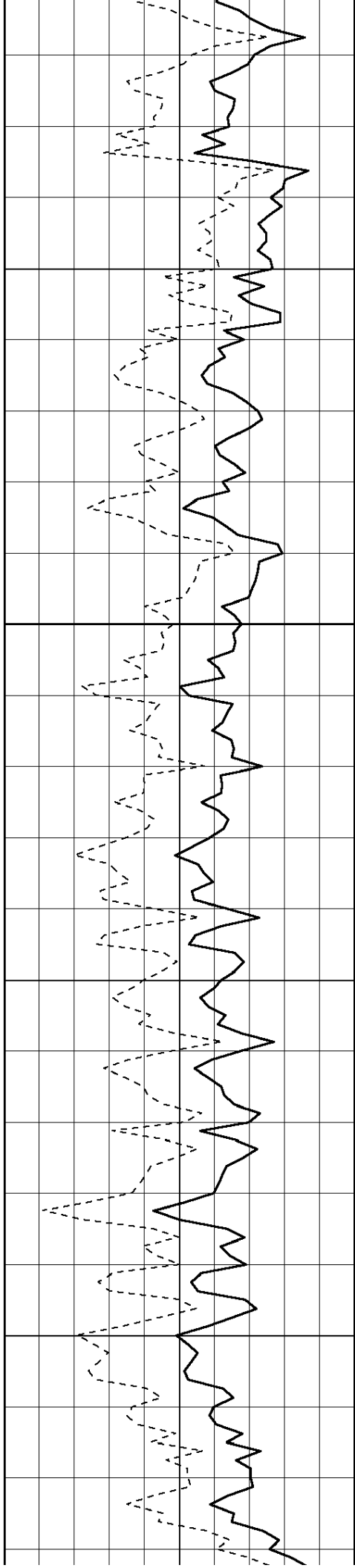


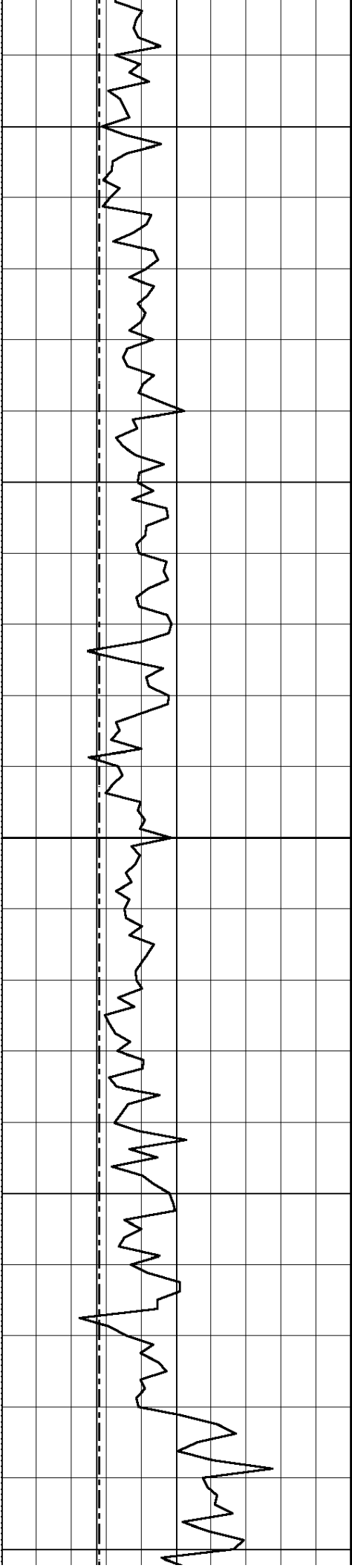
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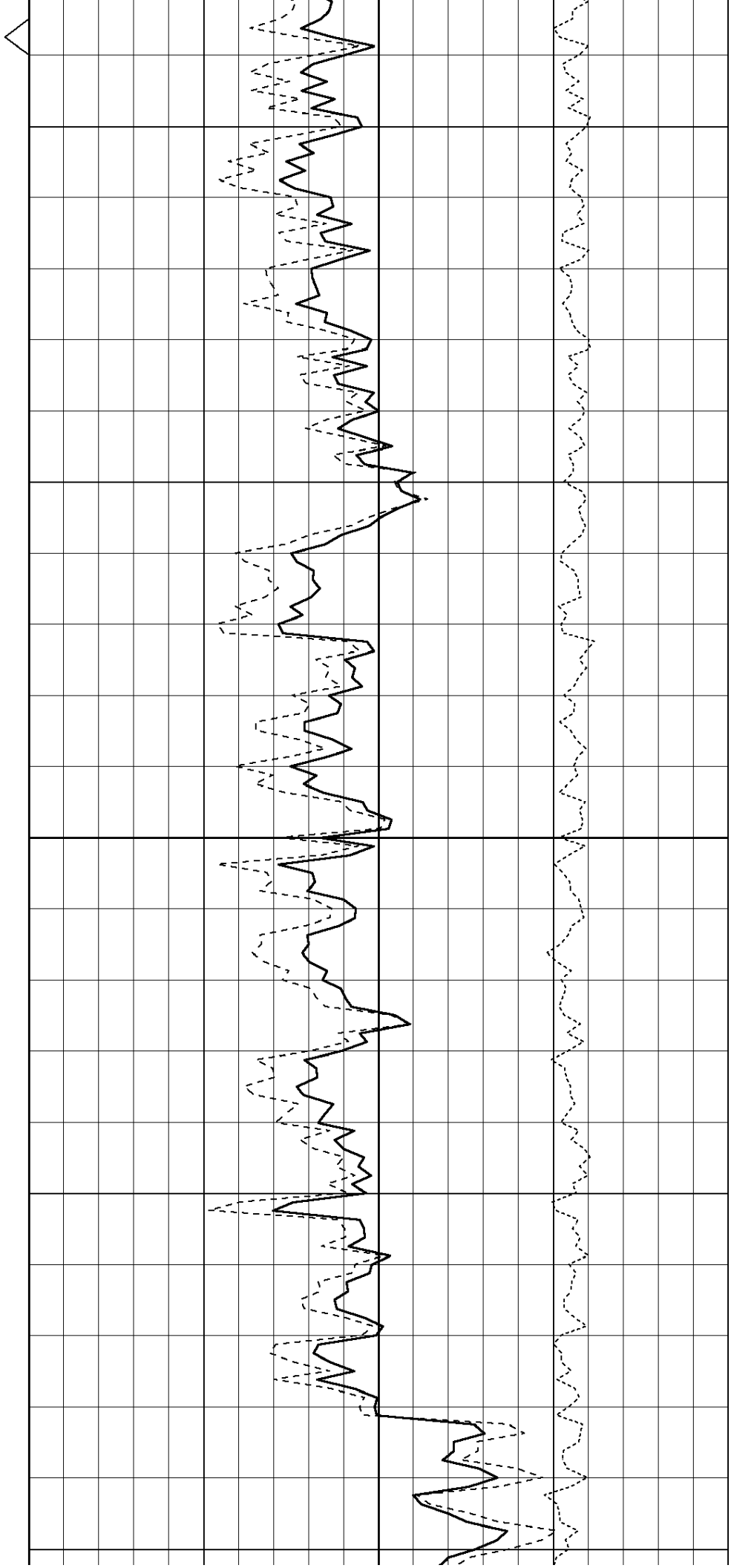
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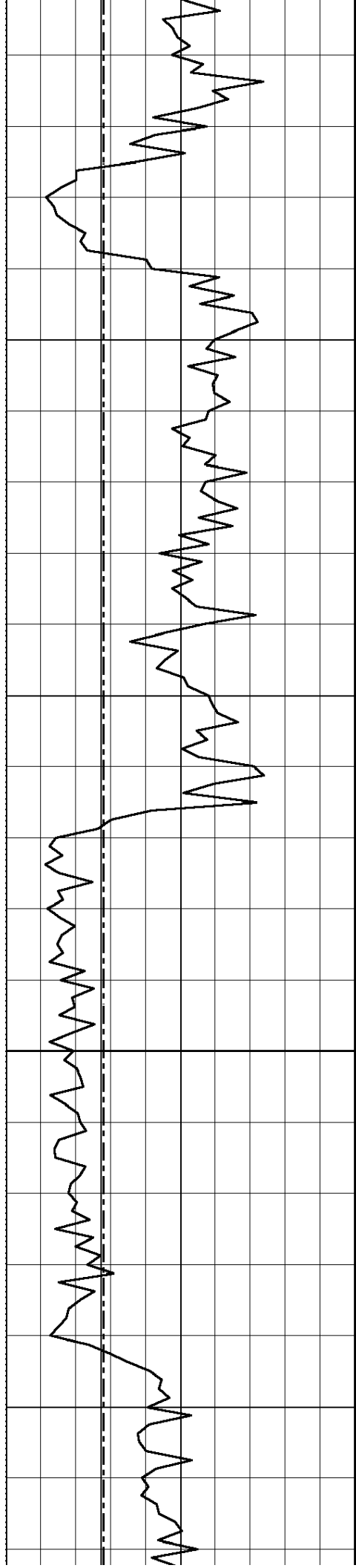
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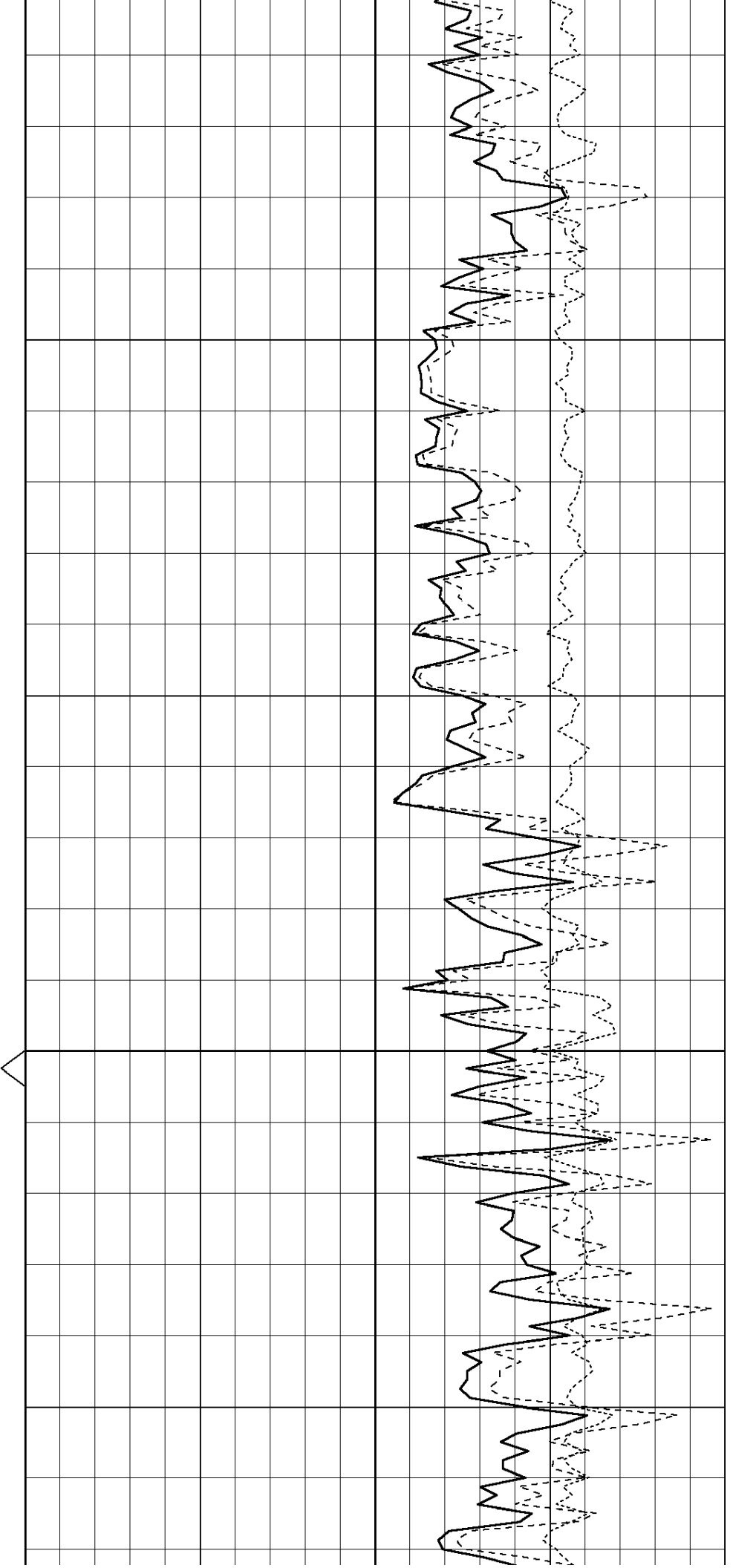


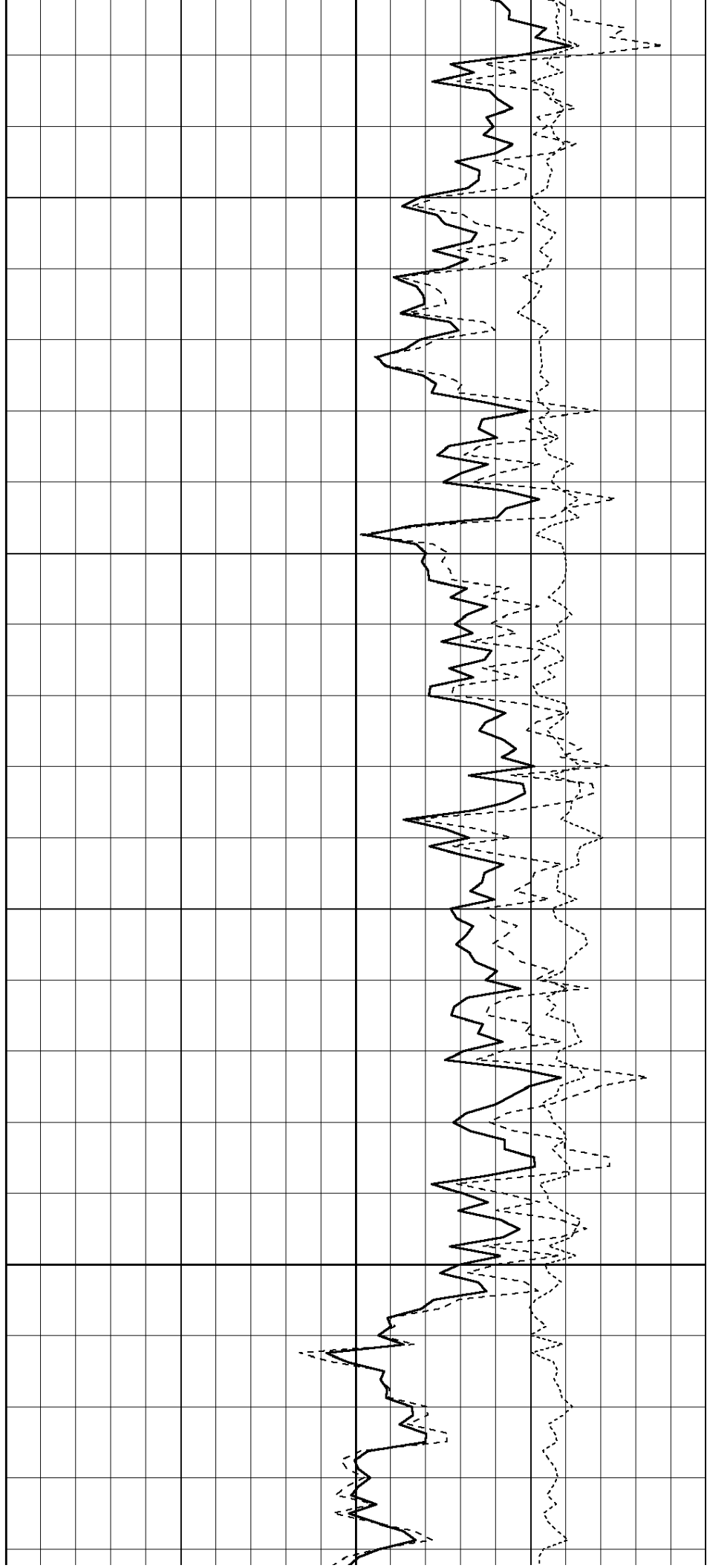
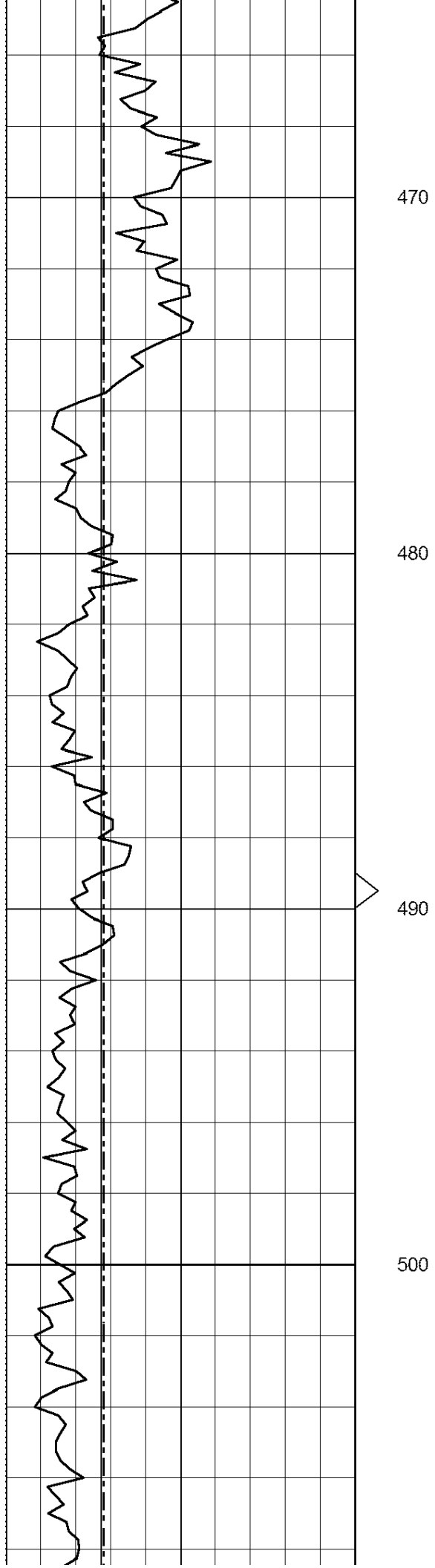
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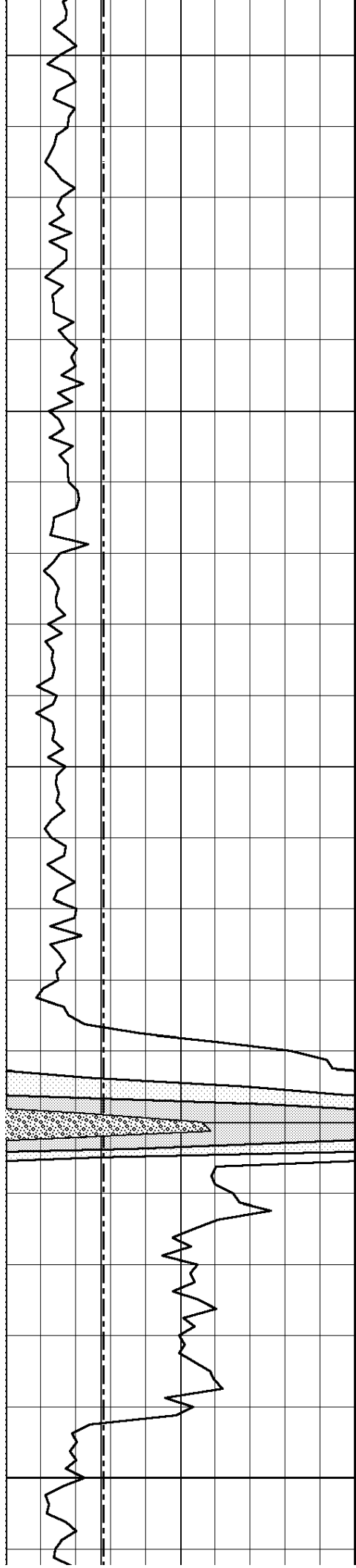
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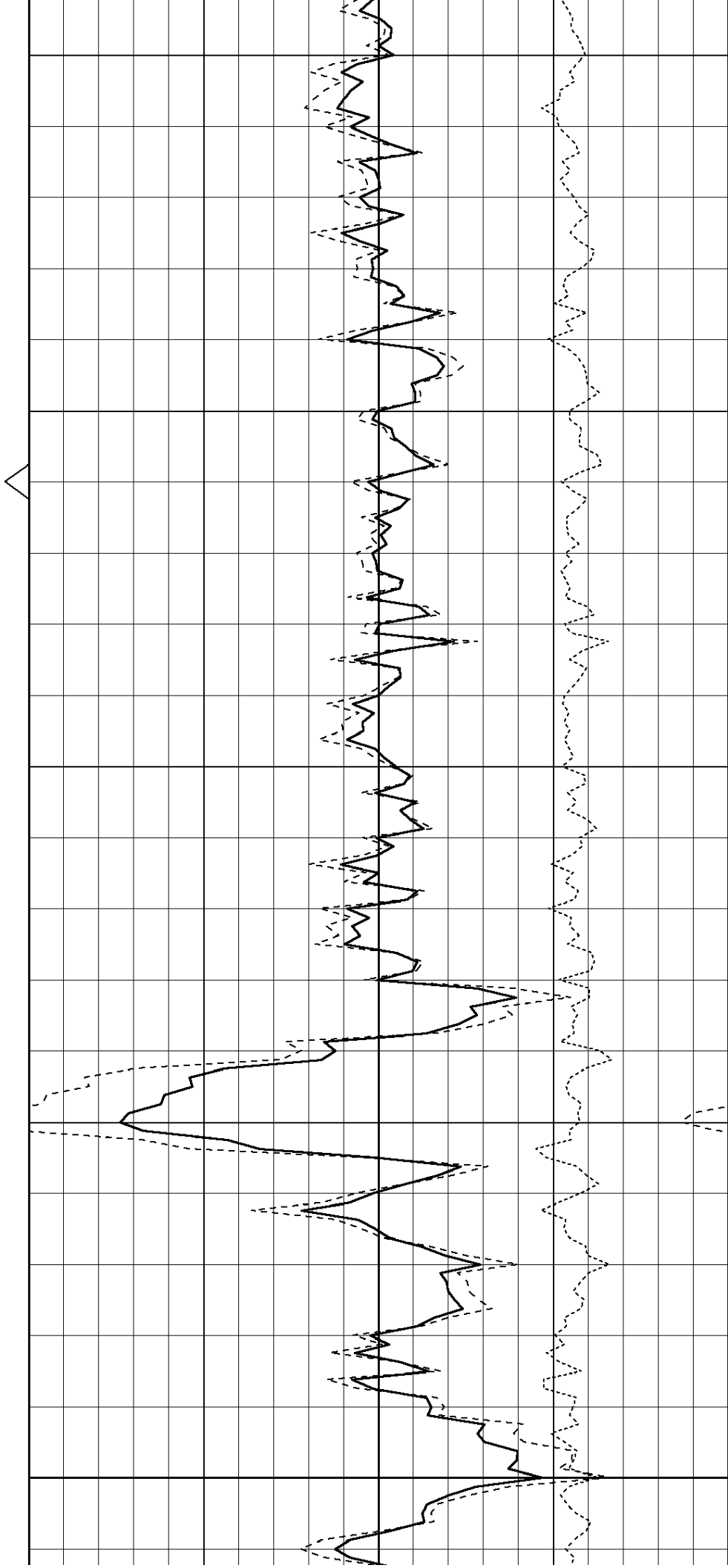
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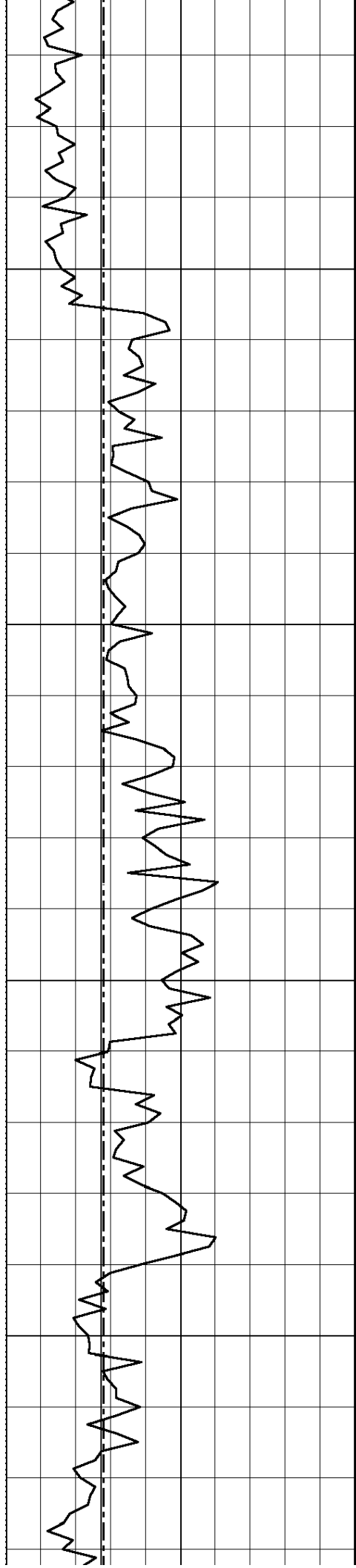
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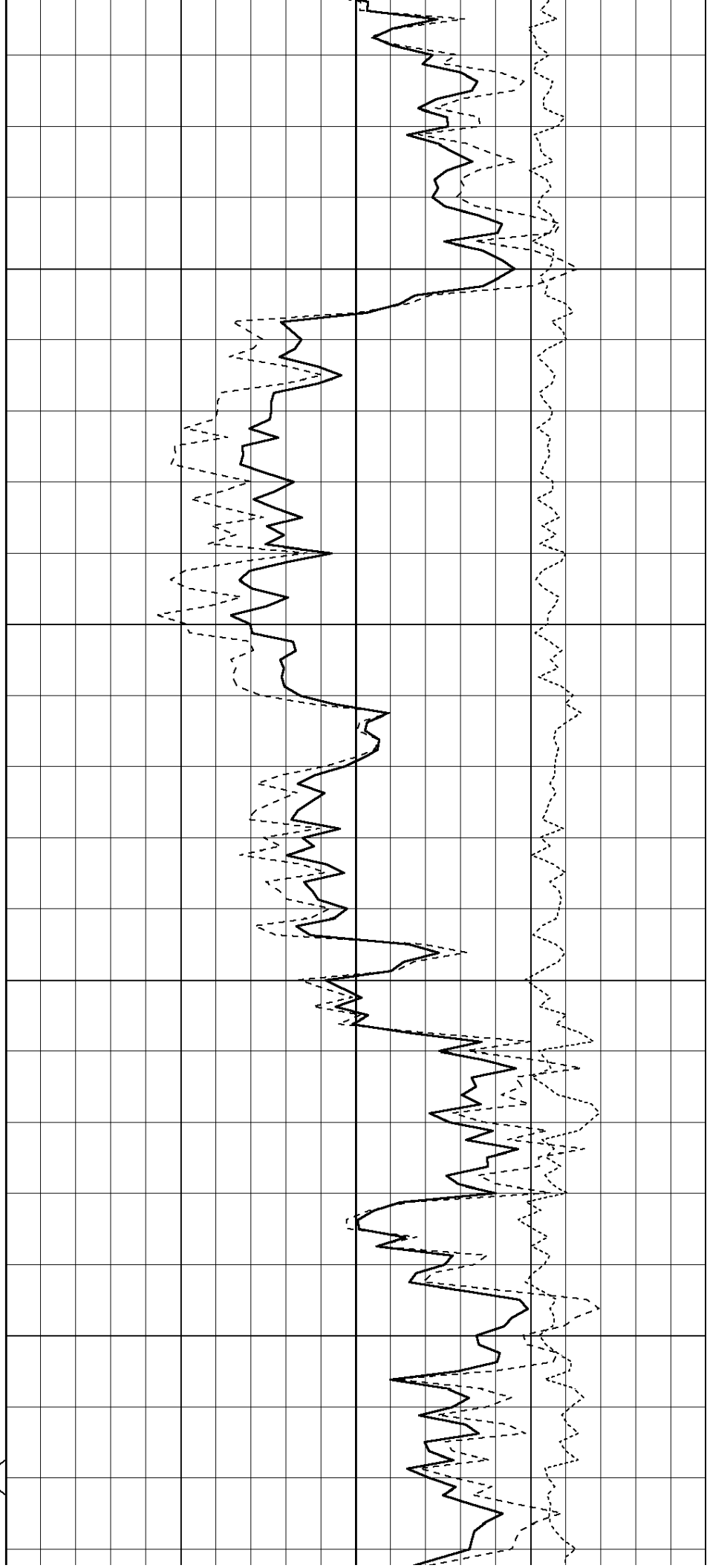


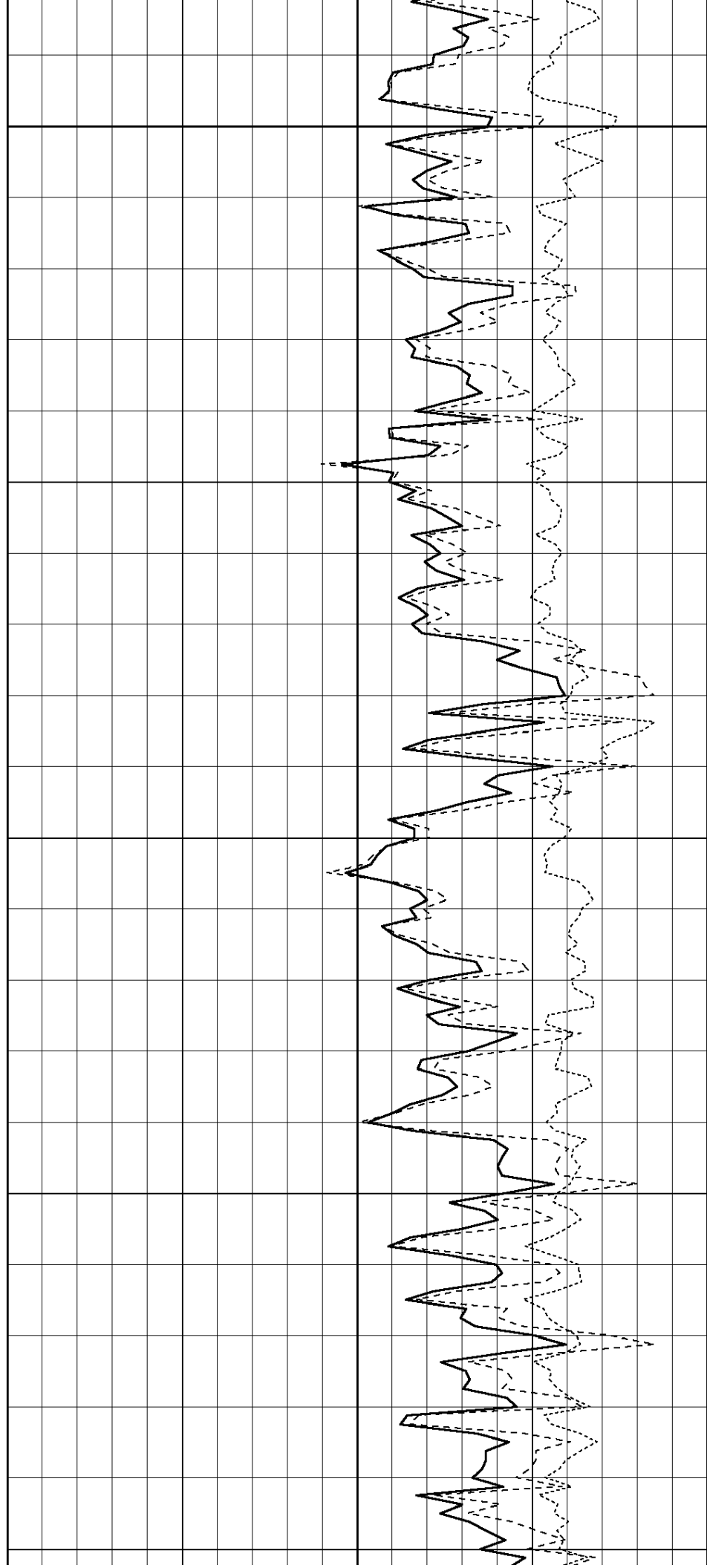
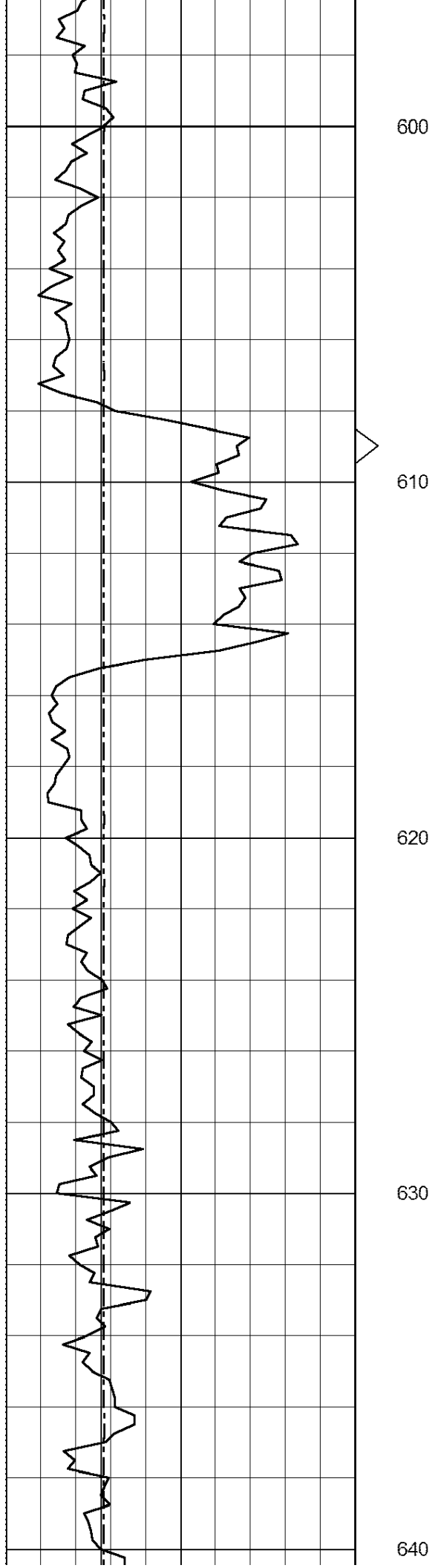
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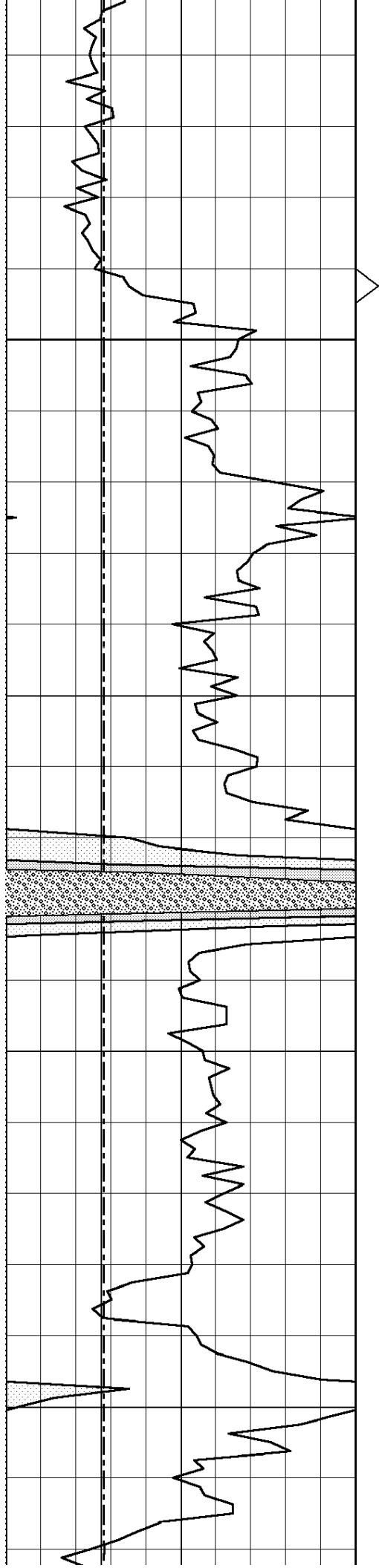
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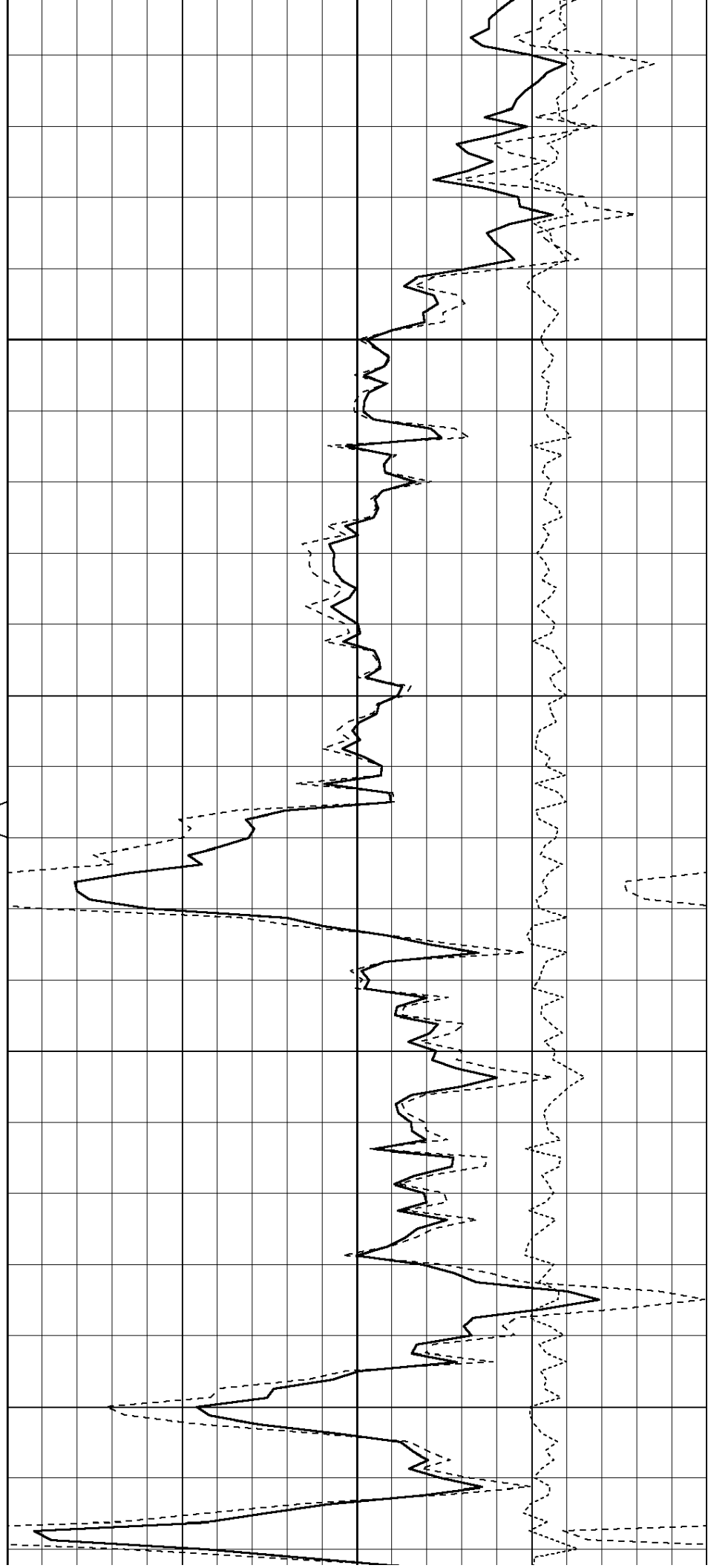


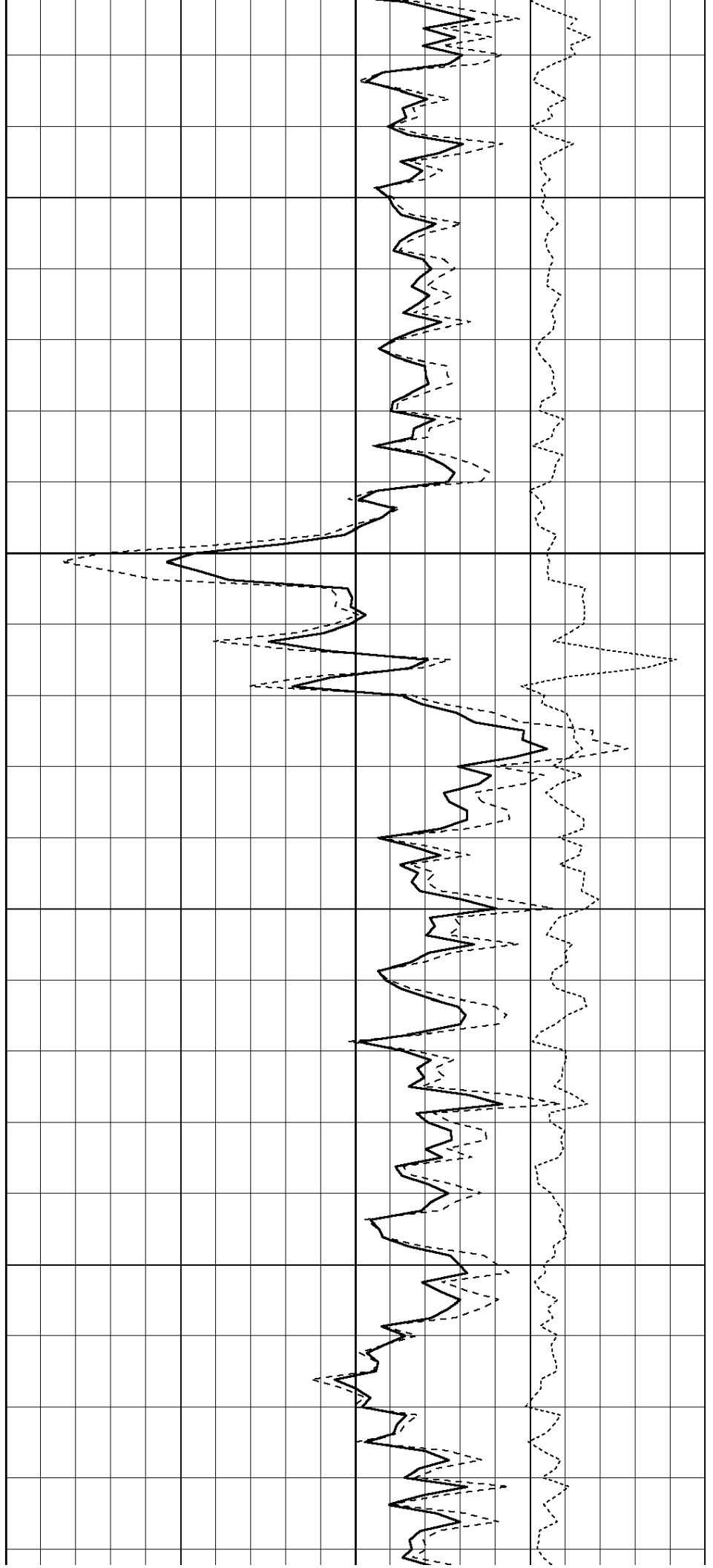
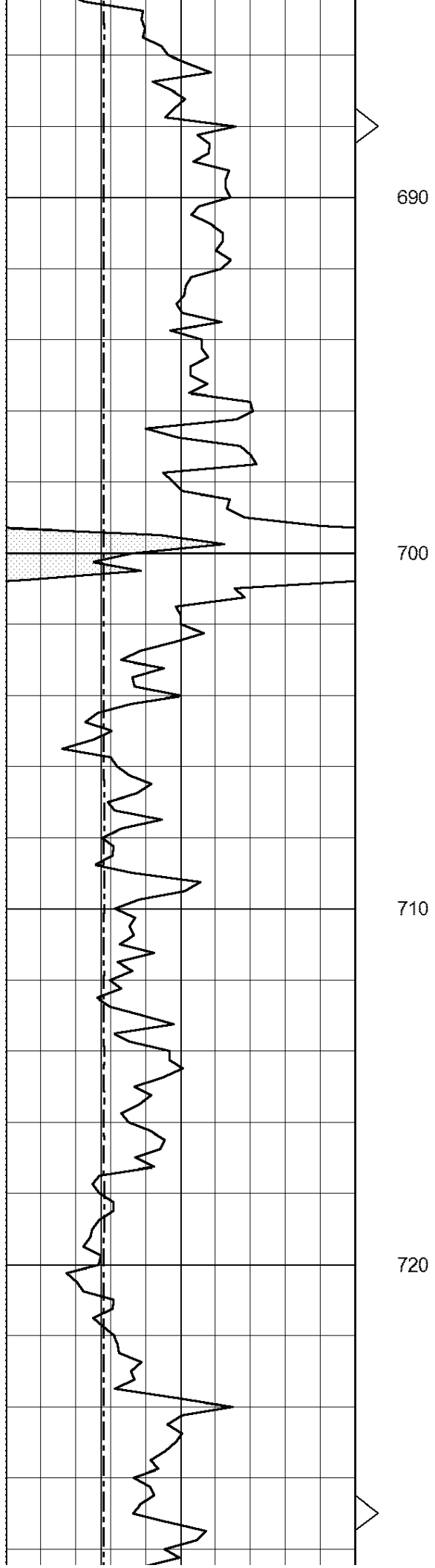
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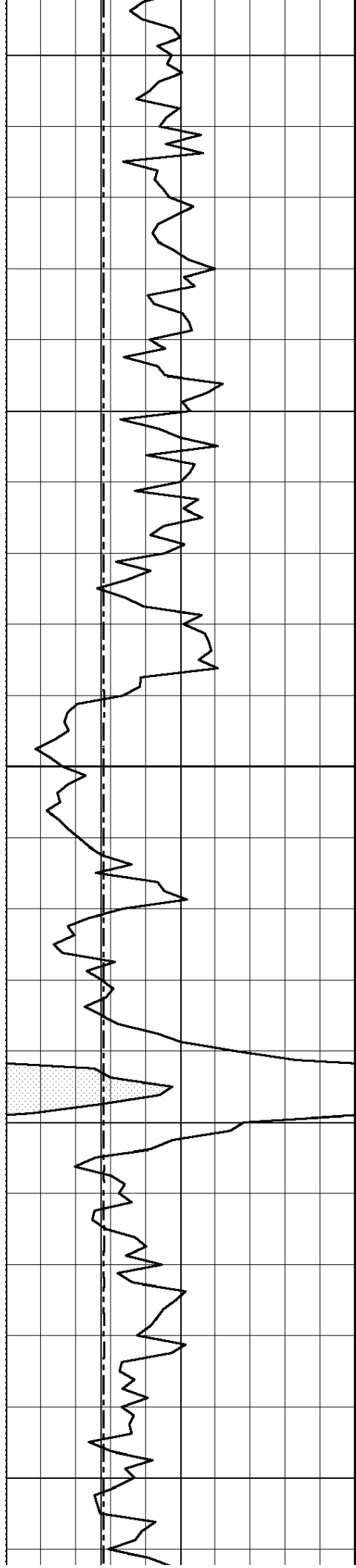
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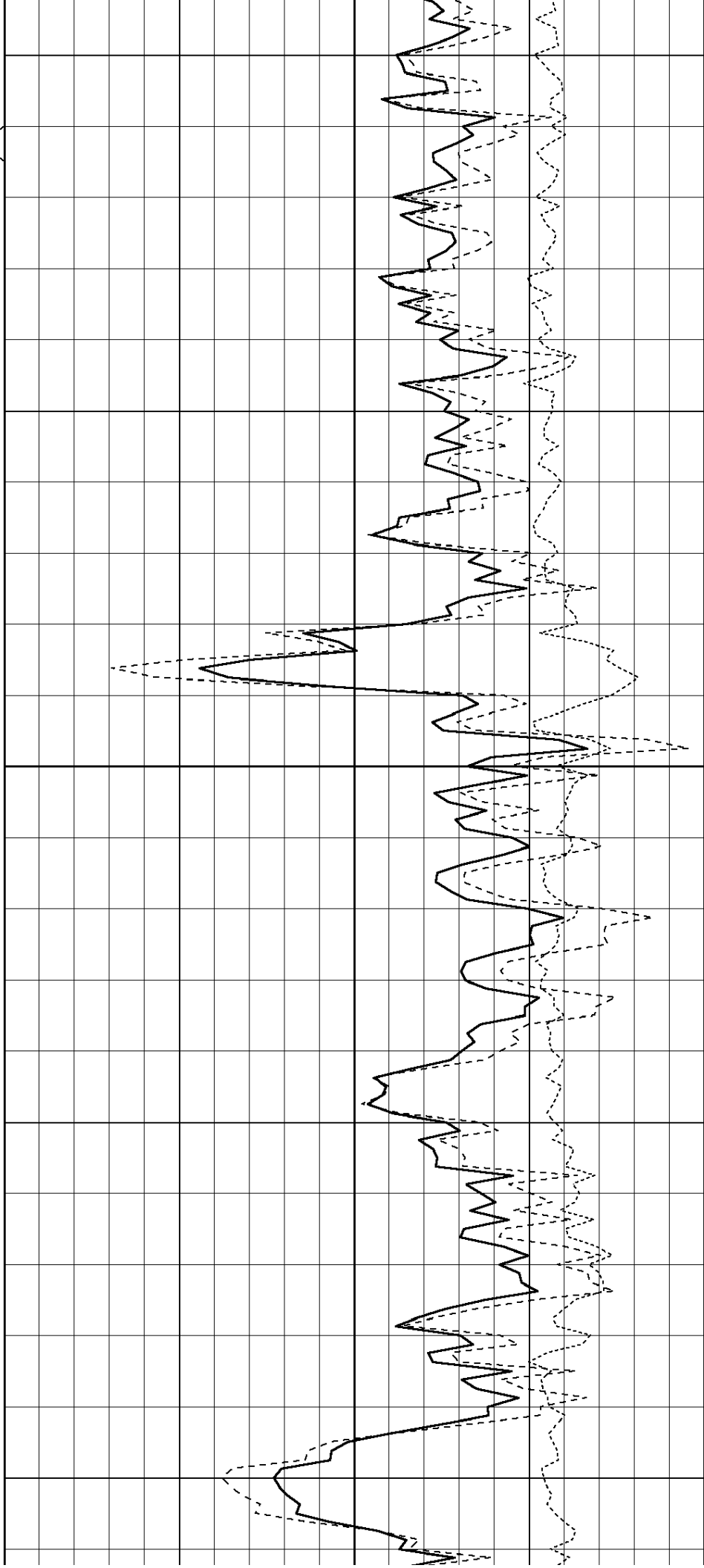
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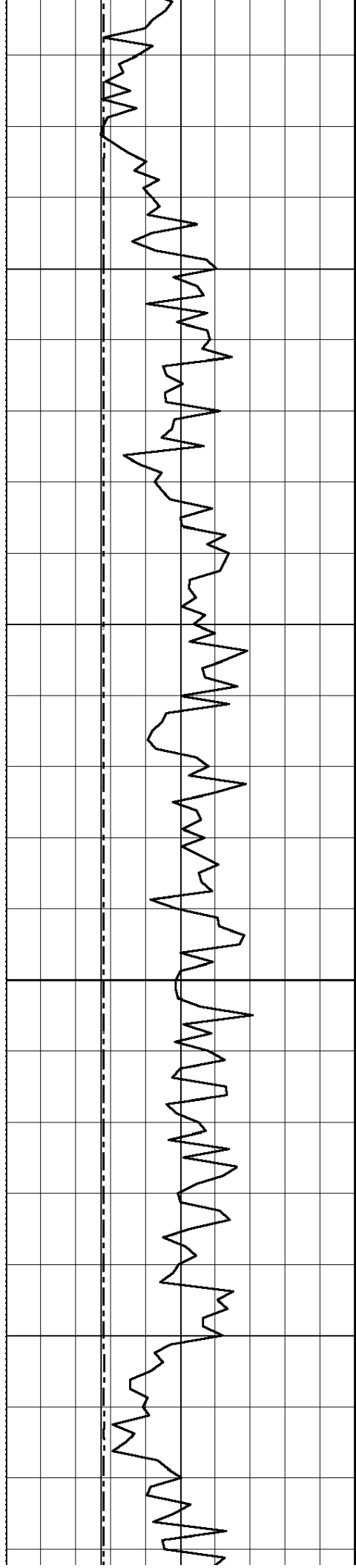
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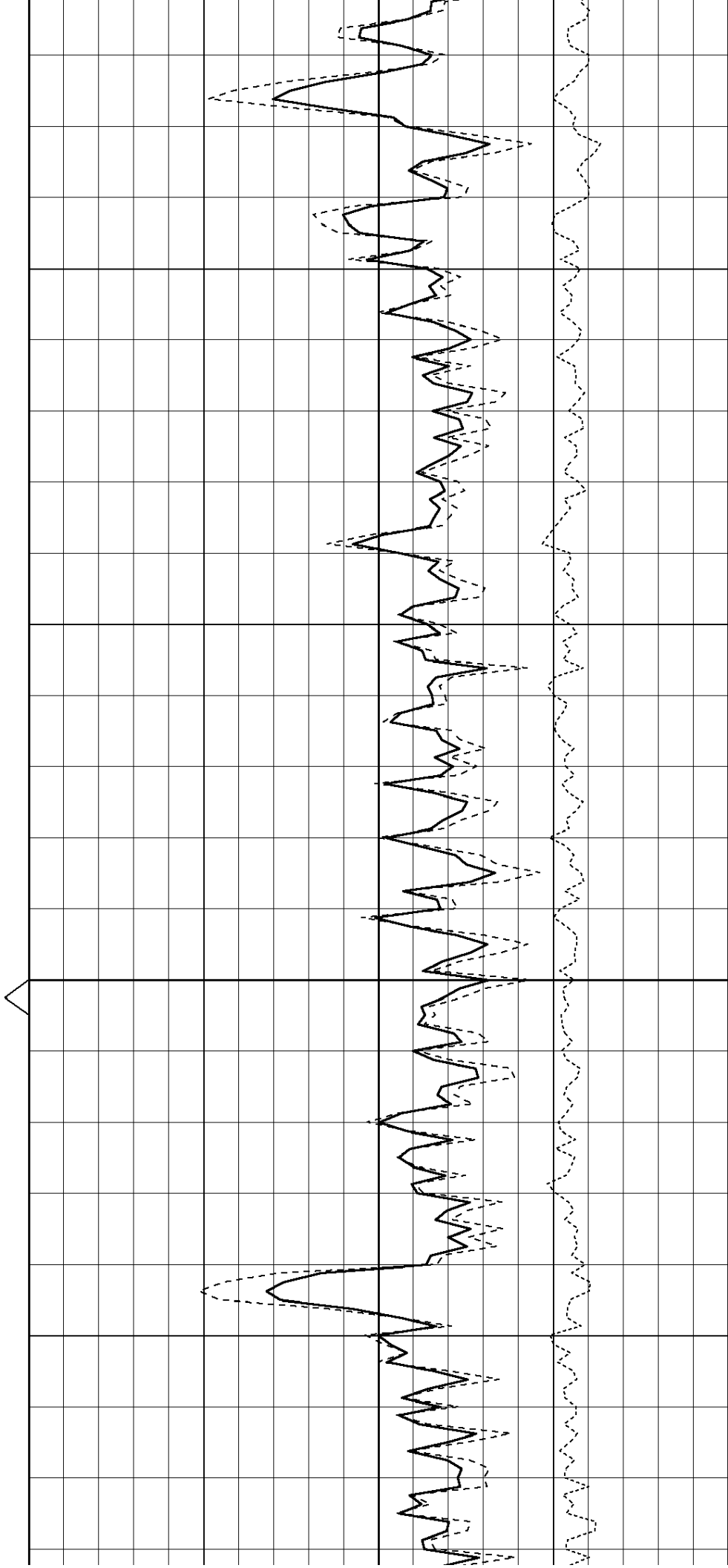


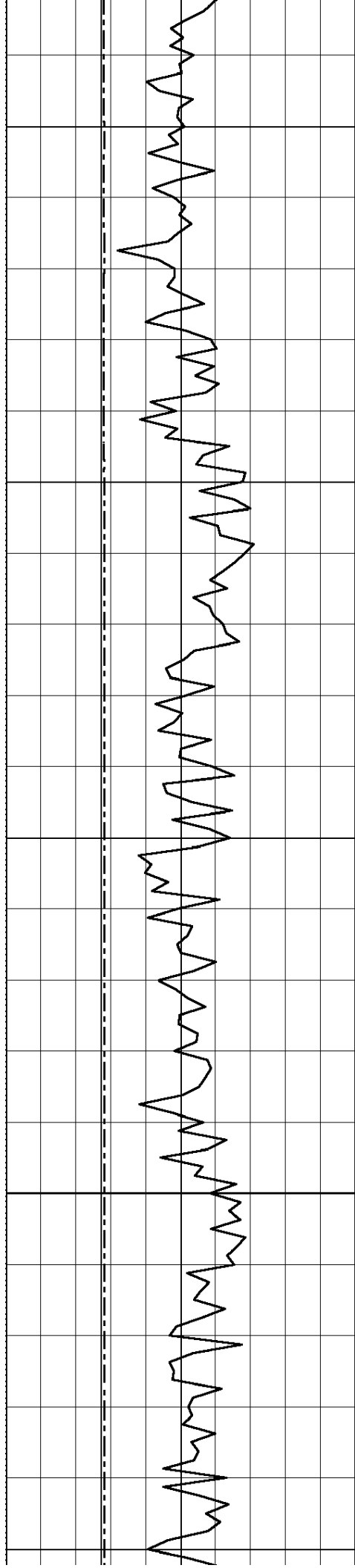
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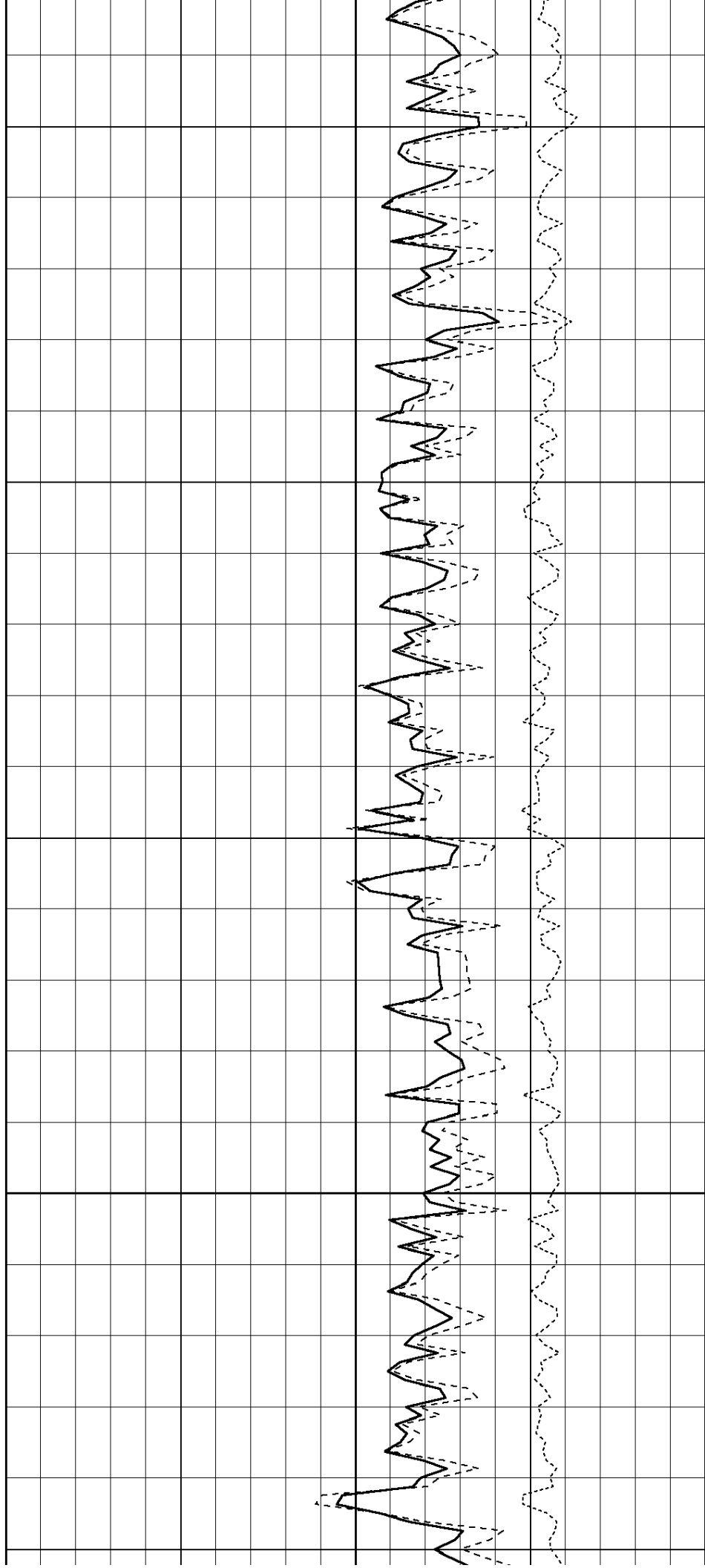
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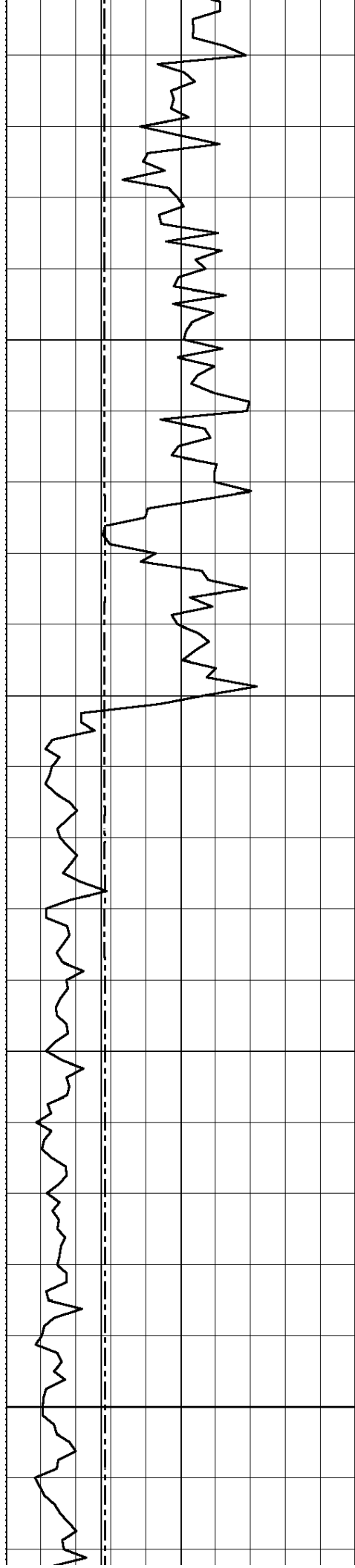
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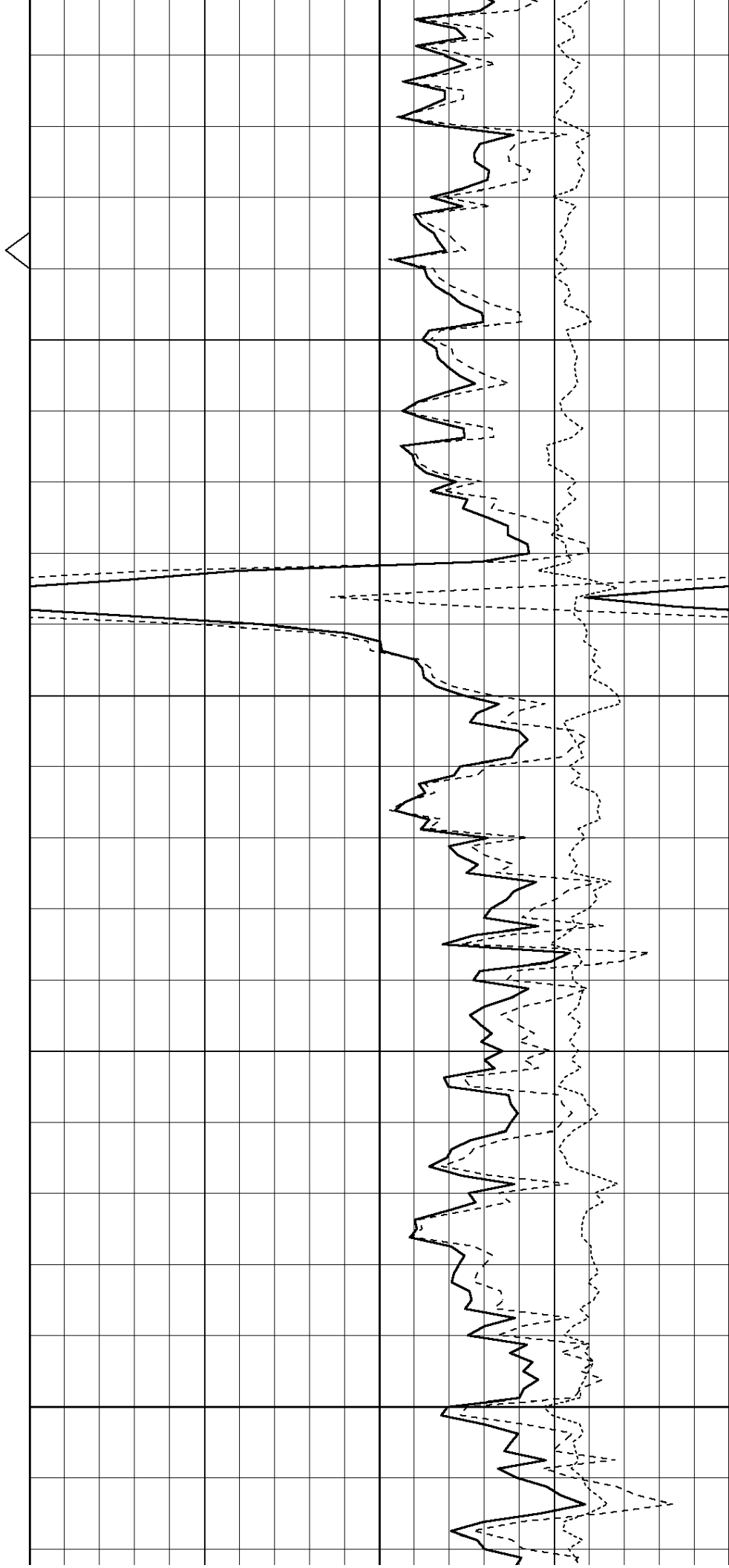


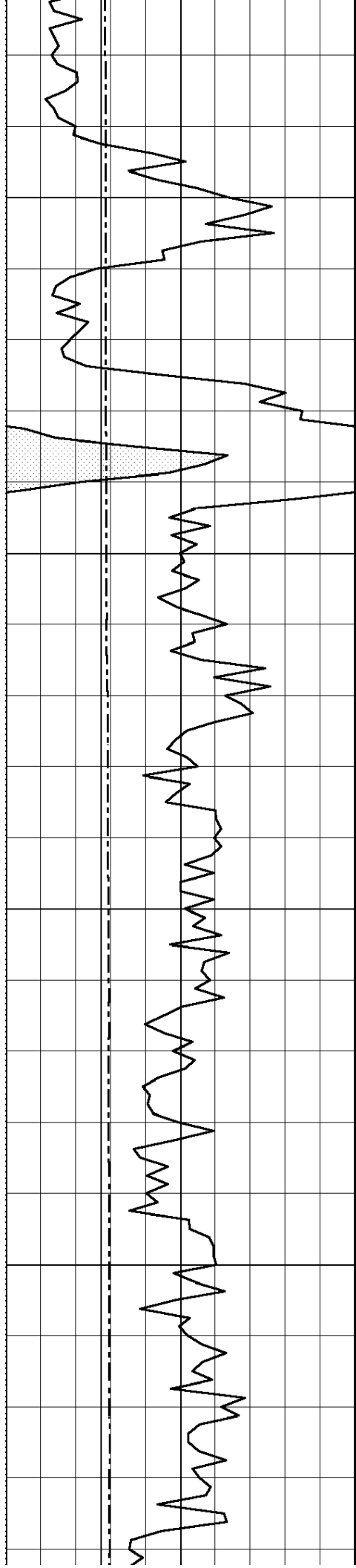
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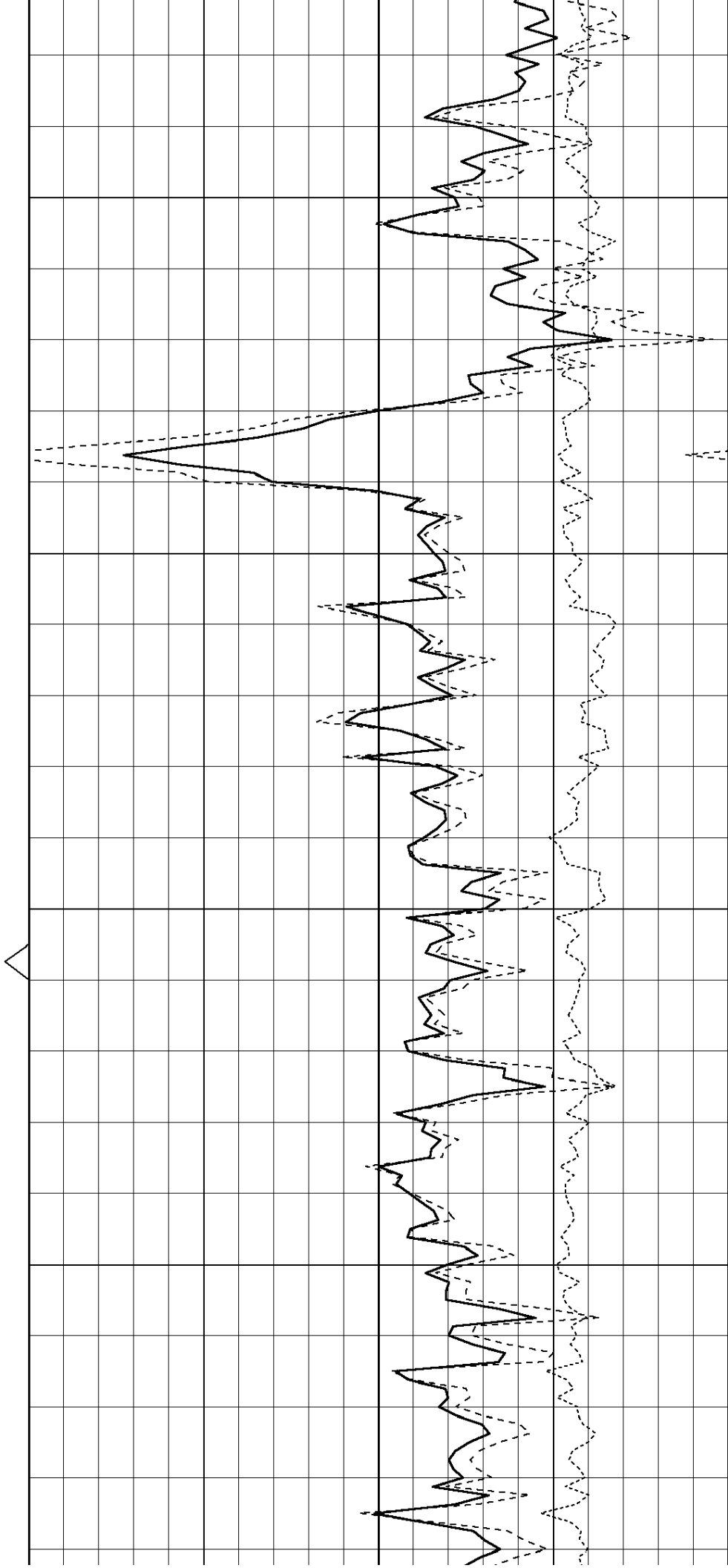


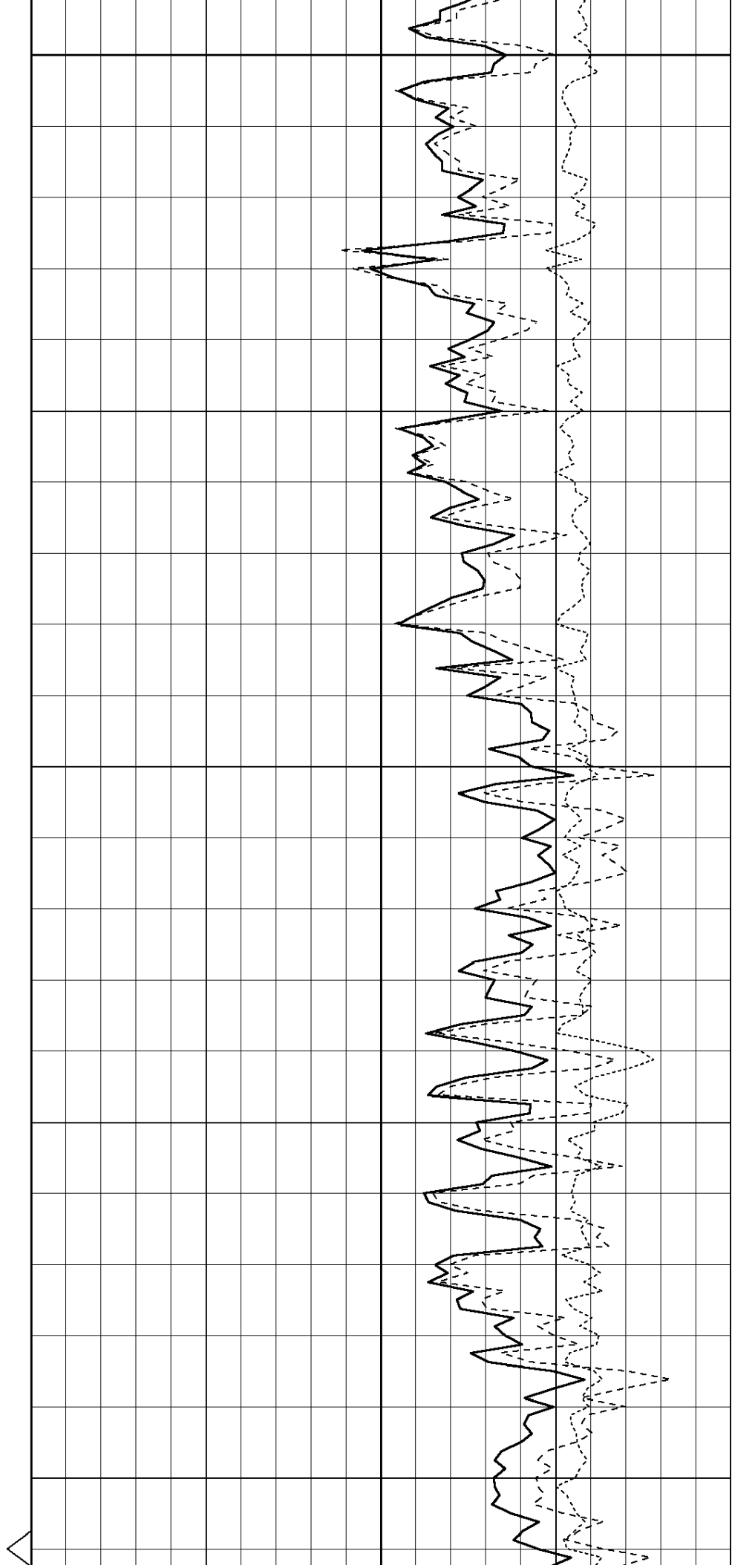
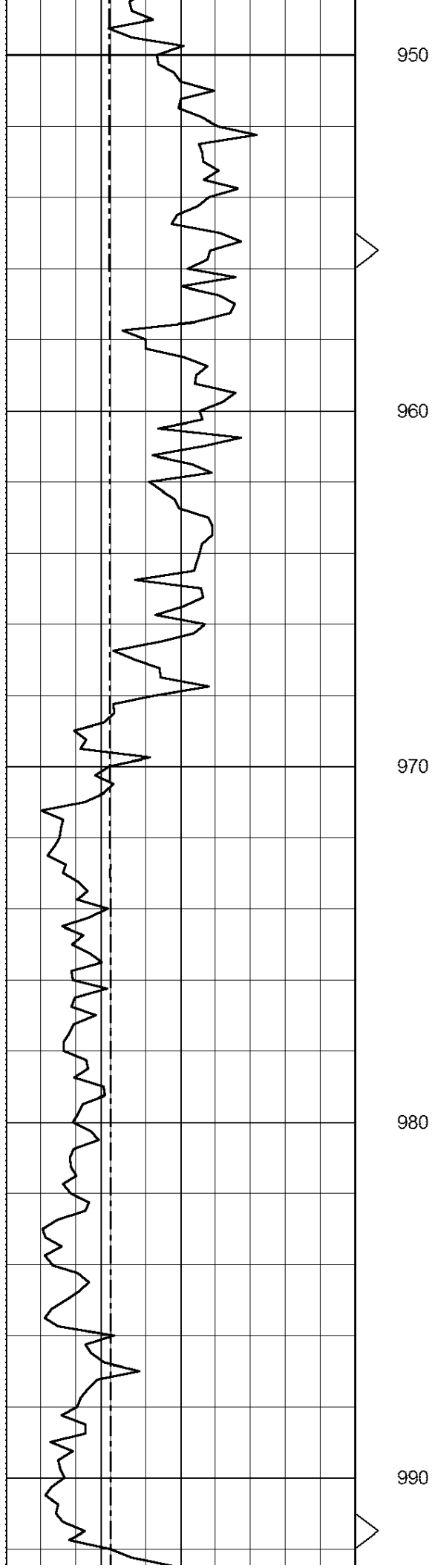
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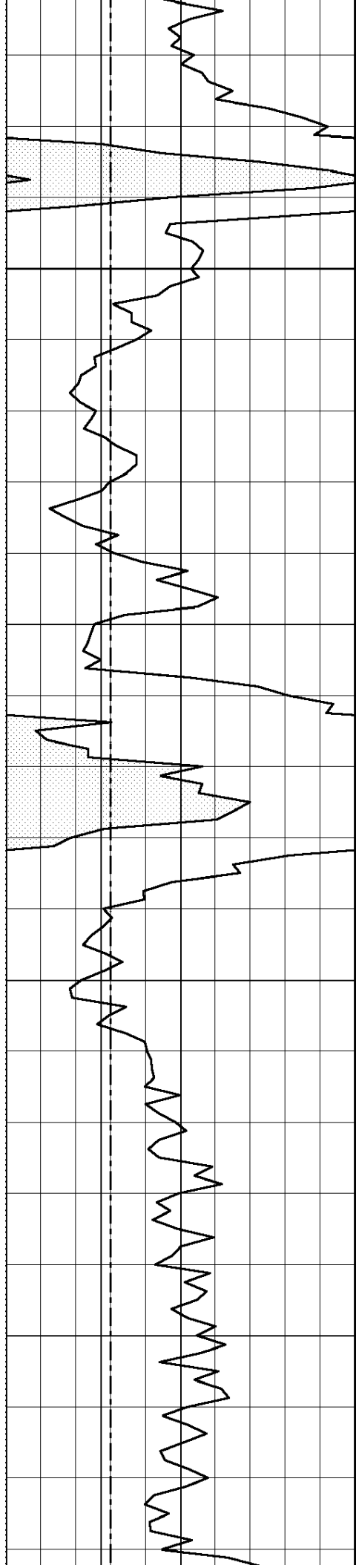
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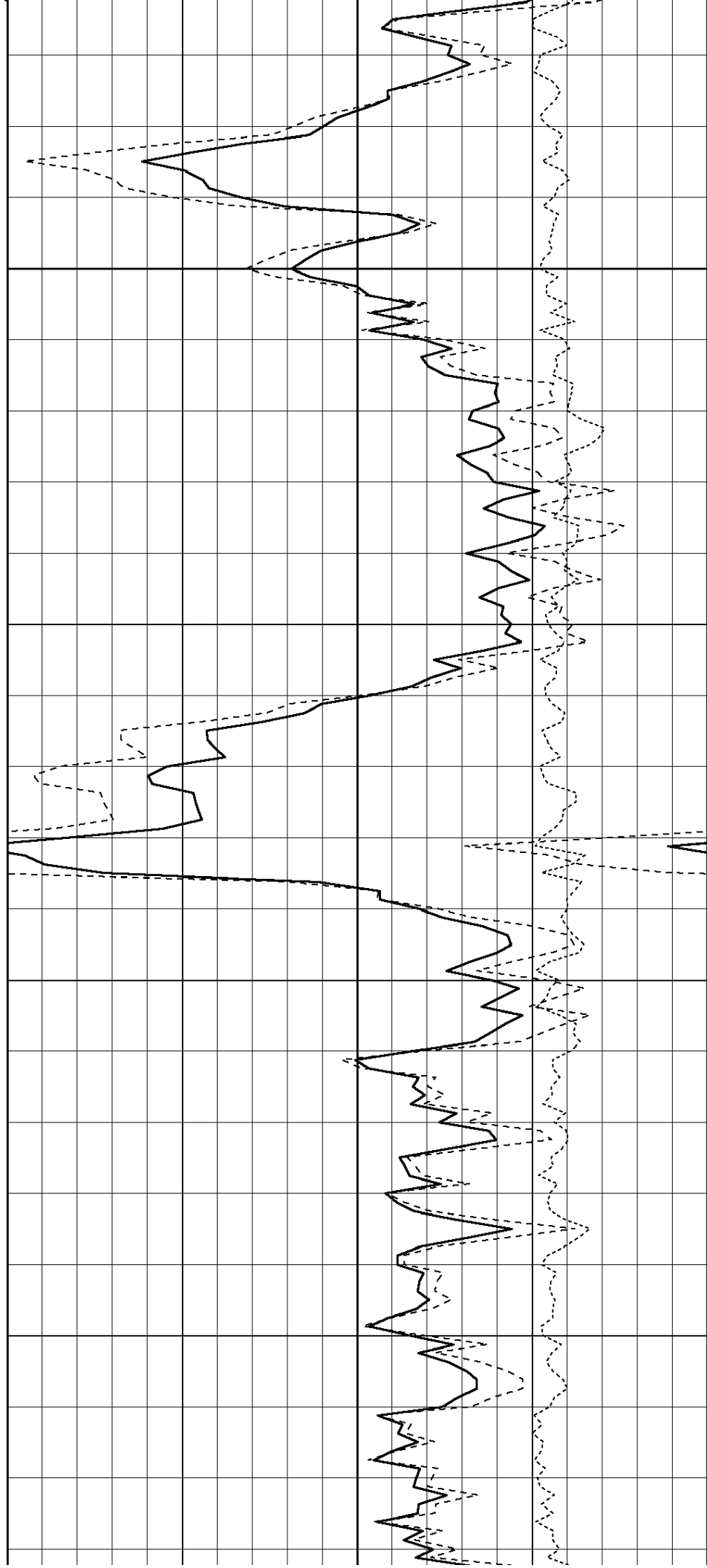


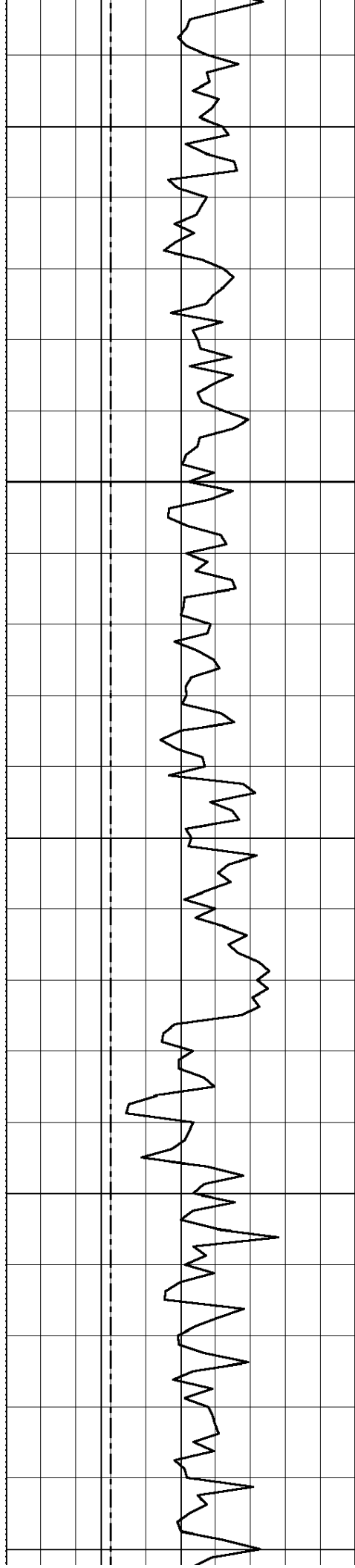
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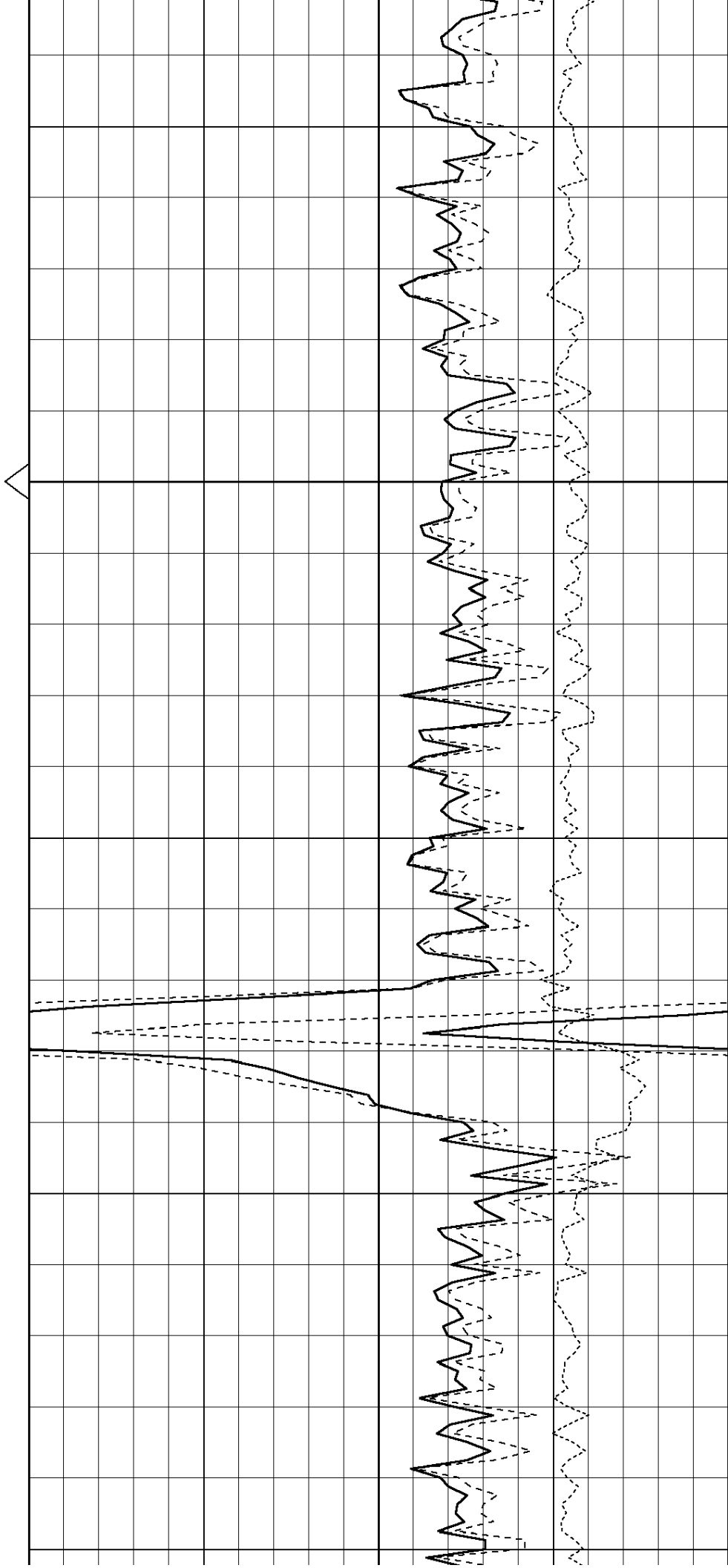
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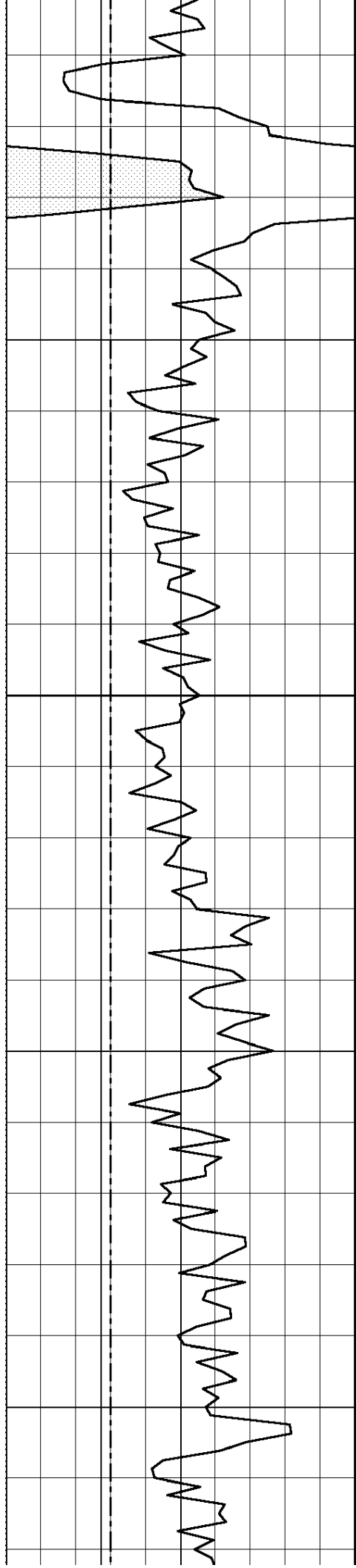
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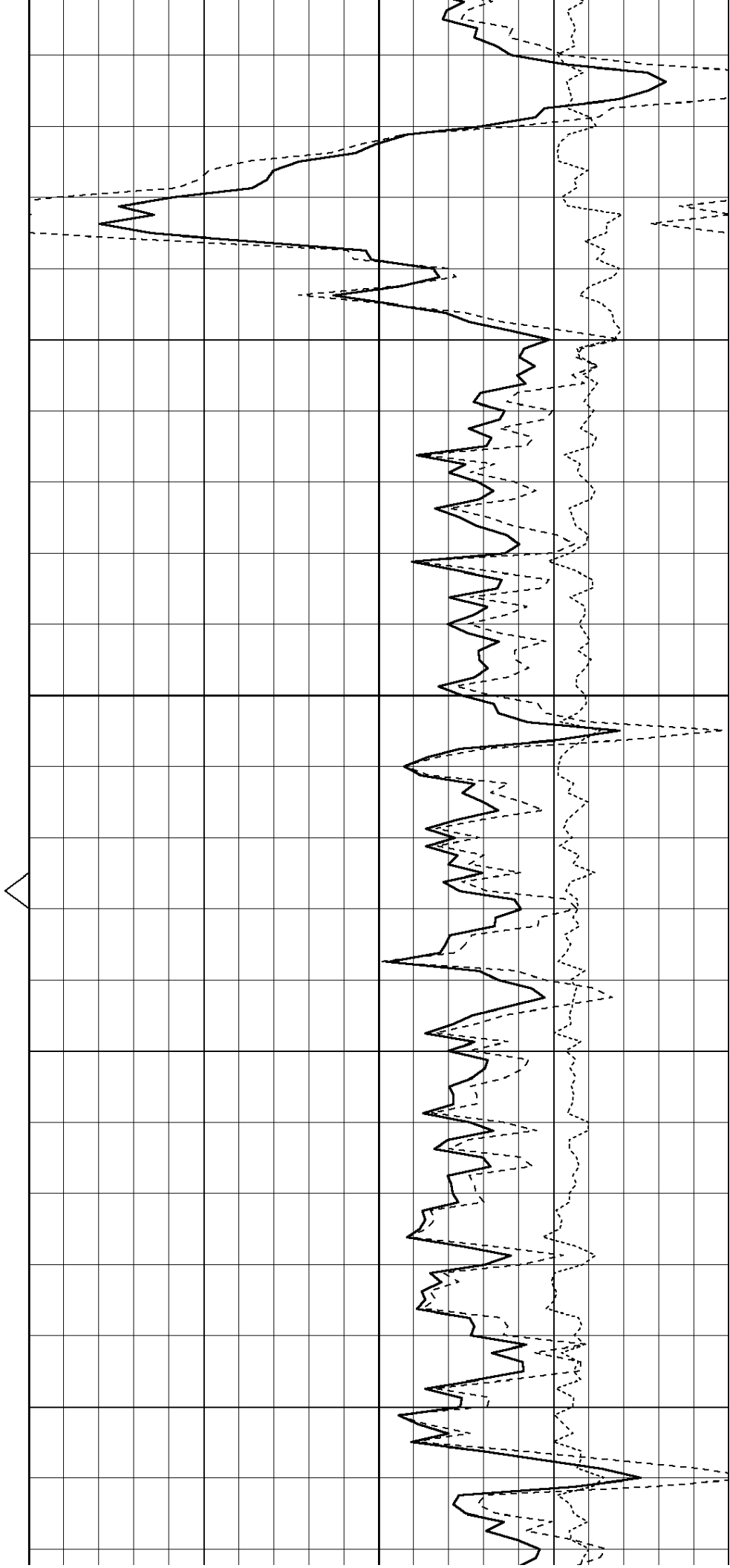


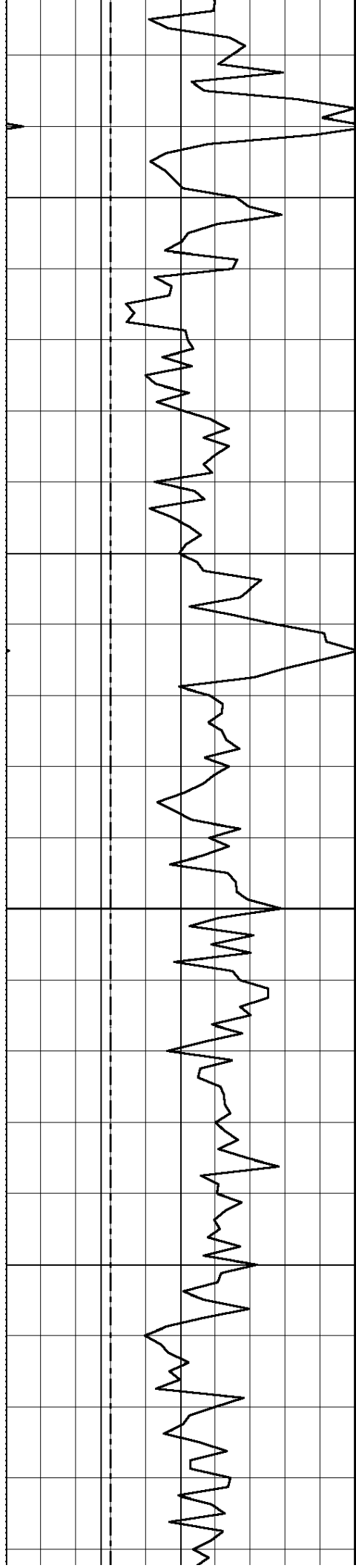
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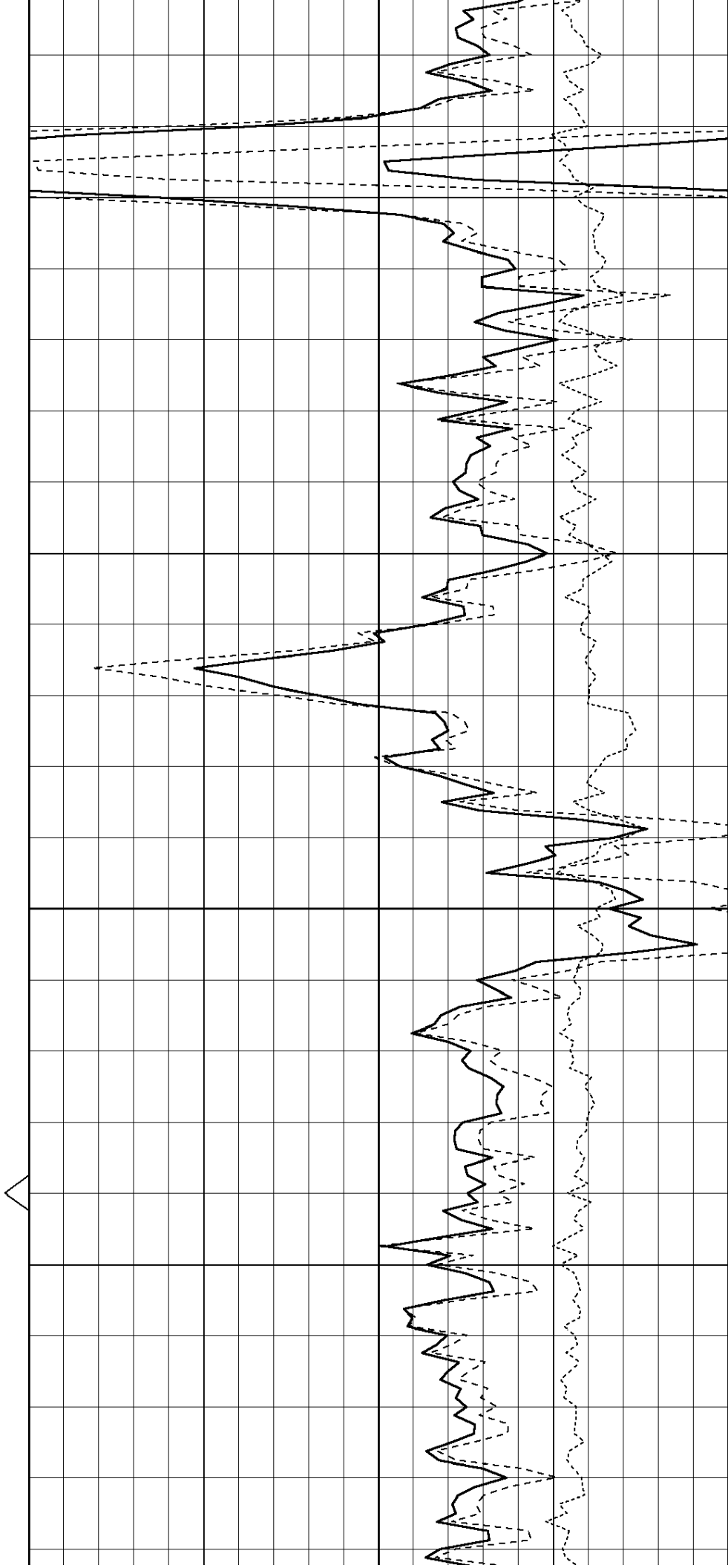


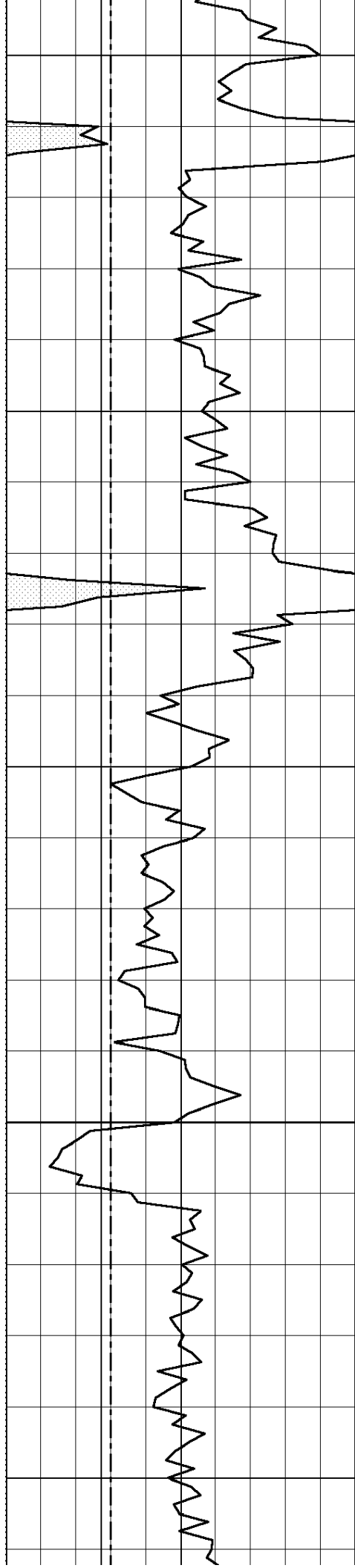
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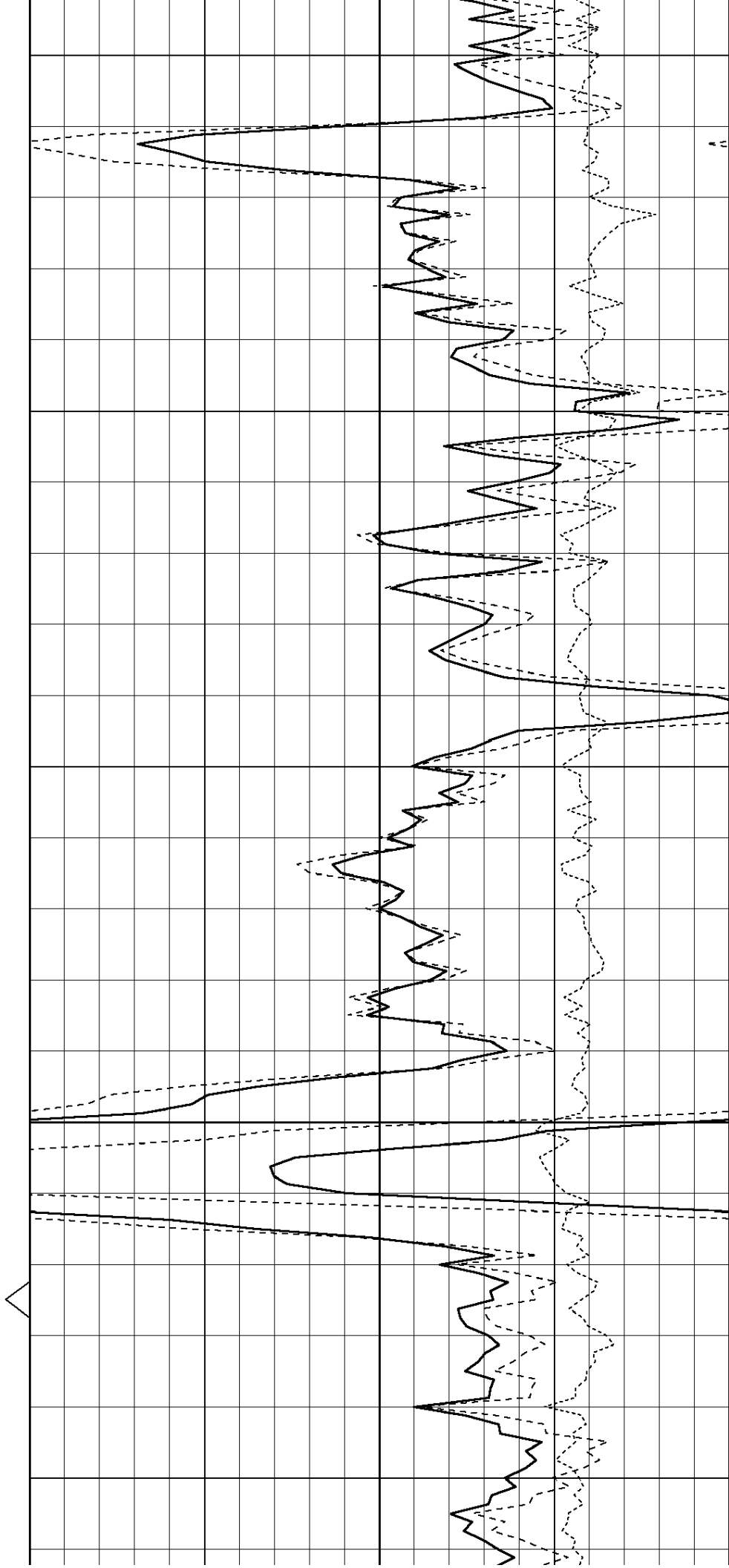
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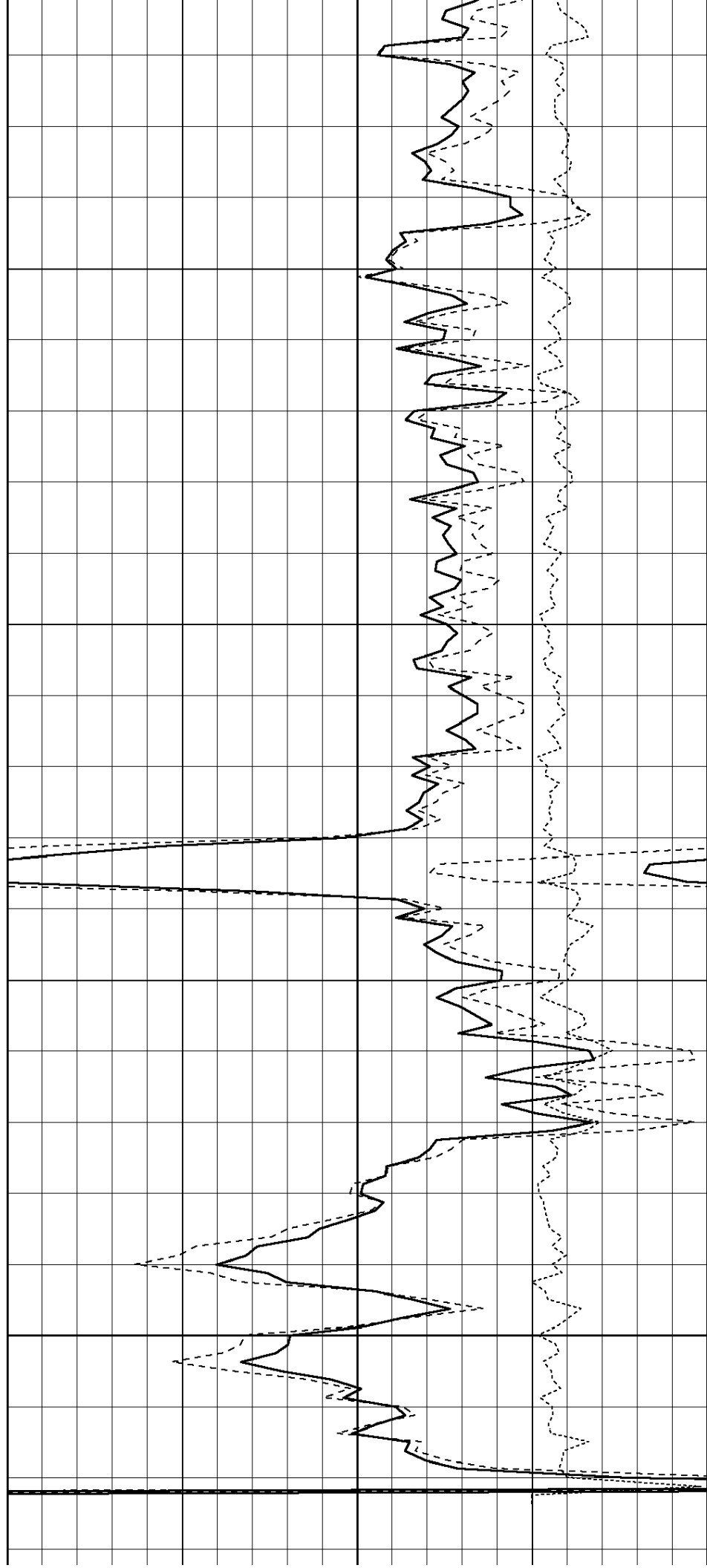
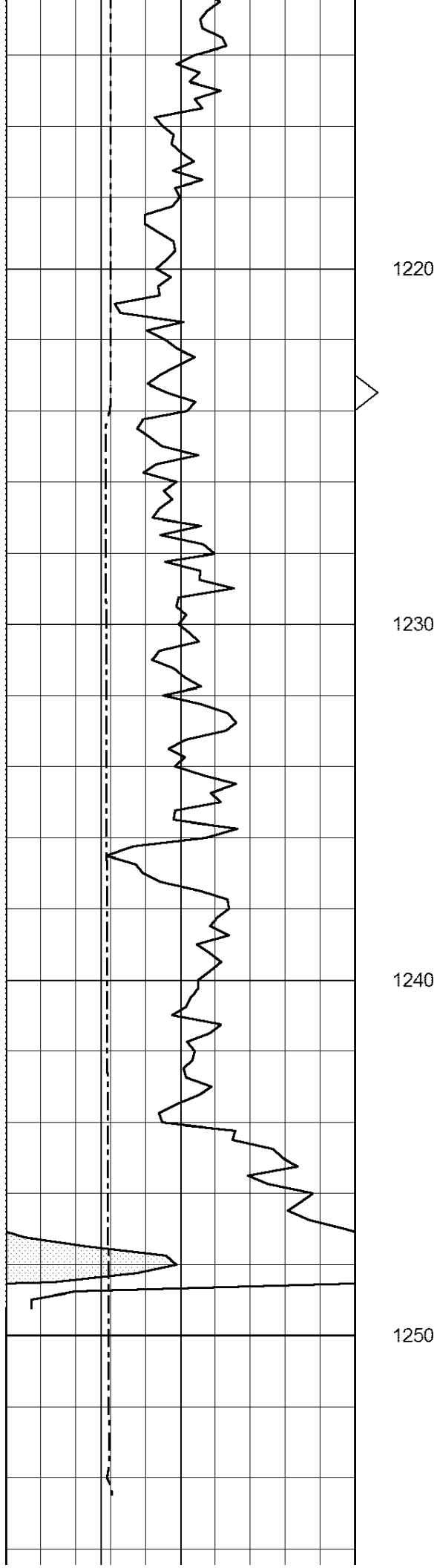
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