



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

DUAL INDUCTION LOG

Company		WOOLSEY OPERATING COMPANY	
Well		BRACK #2	
Field		SAND CREEK DRAW POOL	
County		WICHITA	
State		KANSAS	
Location:		API # : 15-203-20195-0000 1240' FSL & 2295' FWL NW NE SE SW SEC 20 TWP 20S RGE 35W	
Permanent Datum		GROUND LEVEL Elevation 3184	
Log Measured From		KELLY BUSHING 11' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Other Services CDL/CNL/PE SON		Elevation K.B. 3195 D.F. 3193 G.L. 3184	
Date	12/7/12		
Run Number	ONE		
Depth Driller	5860		
Depth Logger	5859		
Bottom Logged Interval	5857		
Top Log Interval	00		
Casing Driller	8 5/8"@225		
Casing Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4800 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 71F		
Rmt @ Meas. Temp	.56 @ 71F		
Rmc @ Meas. Temp	.90 @ 71F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.40 @ 133F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	133F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI	IAN MABB	
Witnessed By	SCOTT ALBERG		

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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.

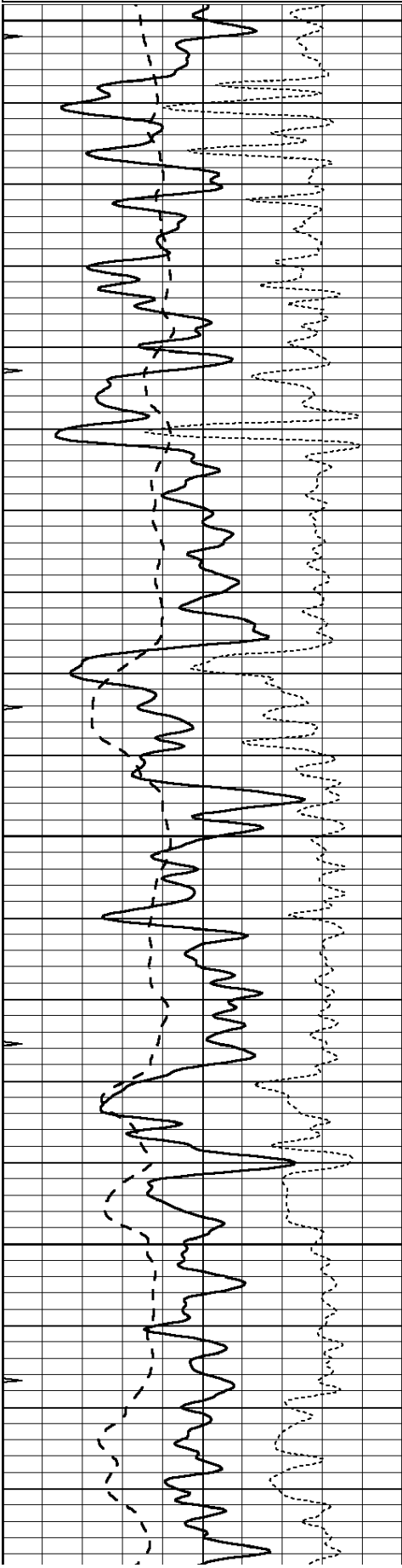
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 SCOTT CITY, KS. - W. TO WICHITA COUNTY LINE - 12 S. TO CC RD. - 5 W. - N. INTO

Database File: 009785pe.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Fri Dec 07 09:15:09 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

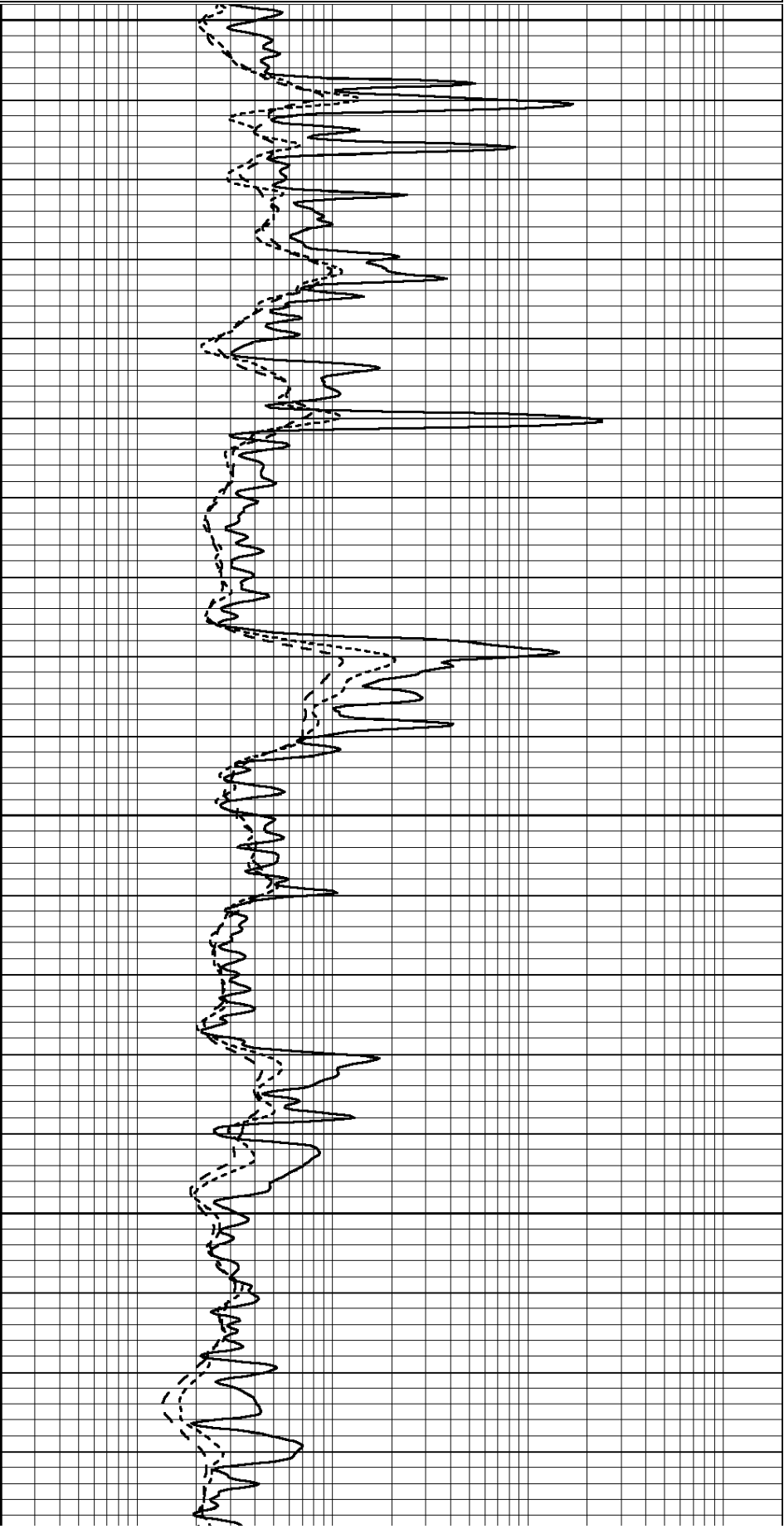


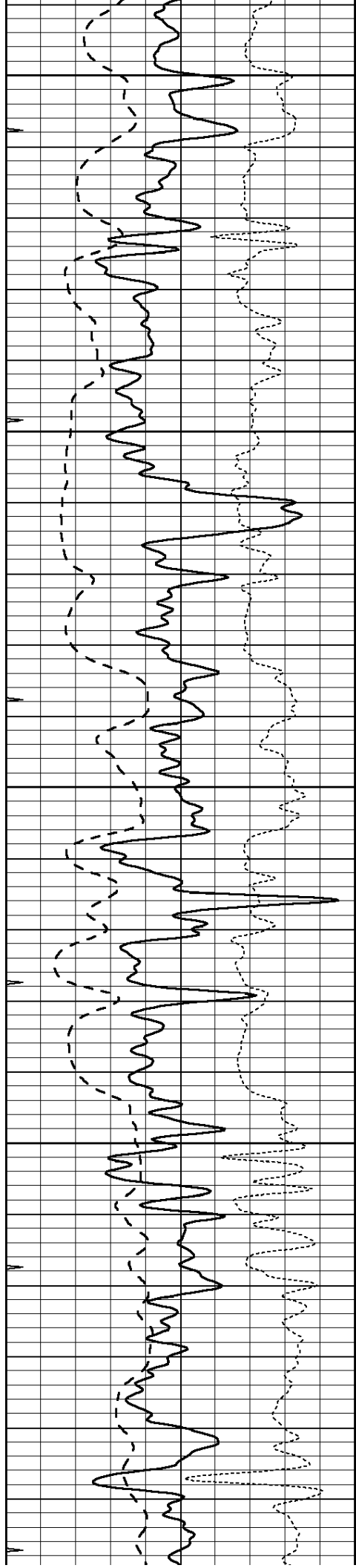
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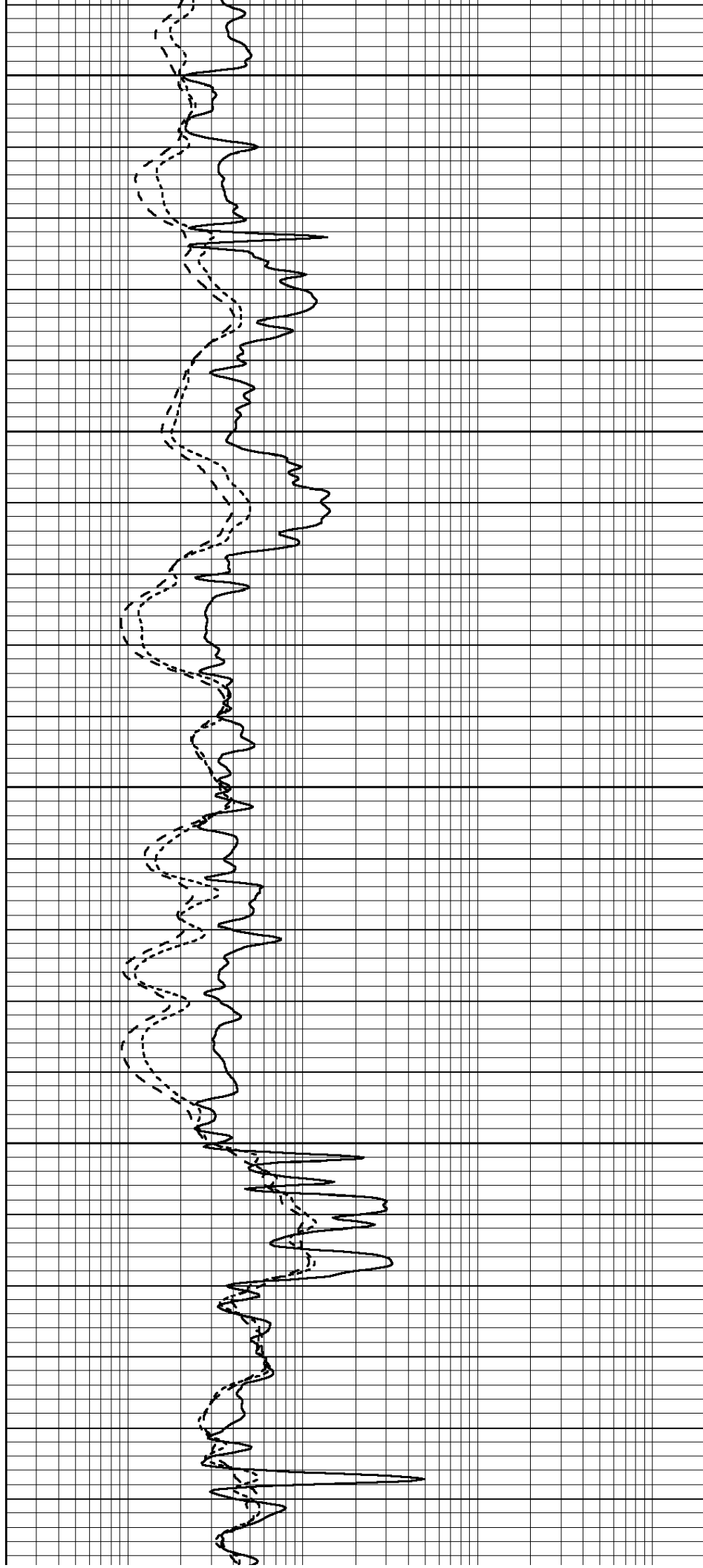
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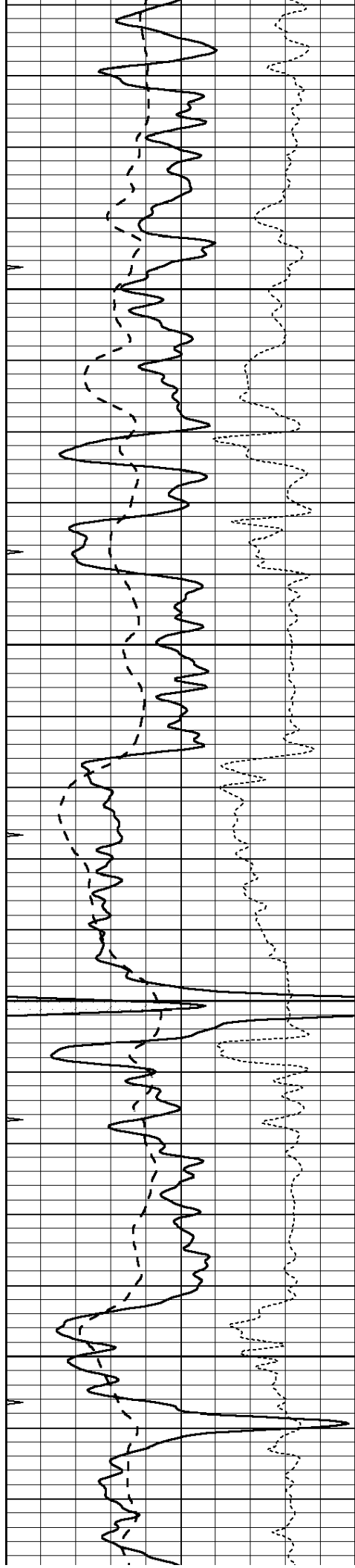
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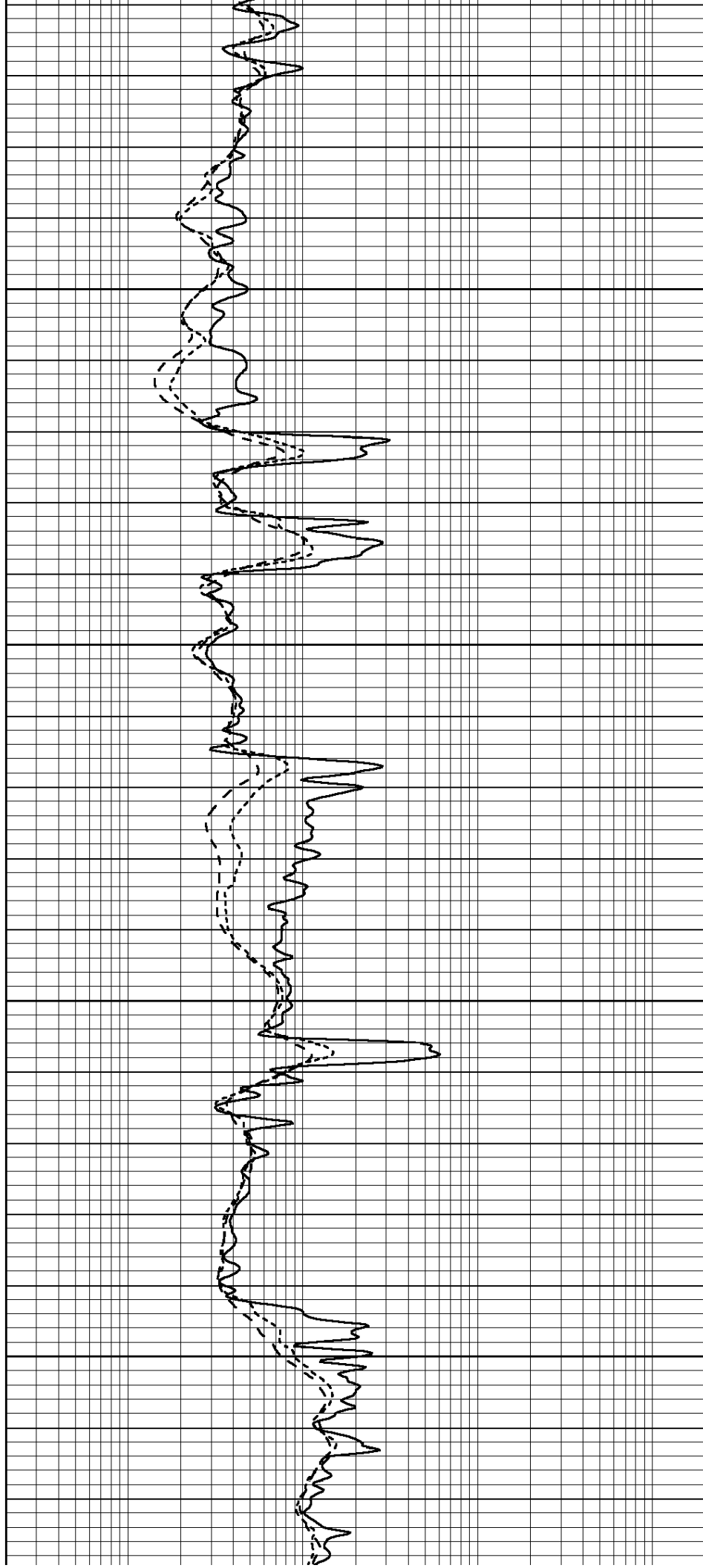


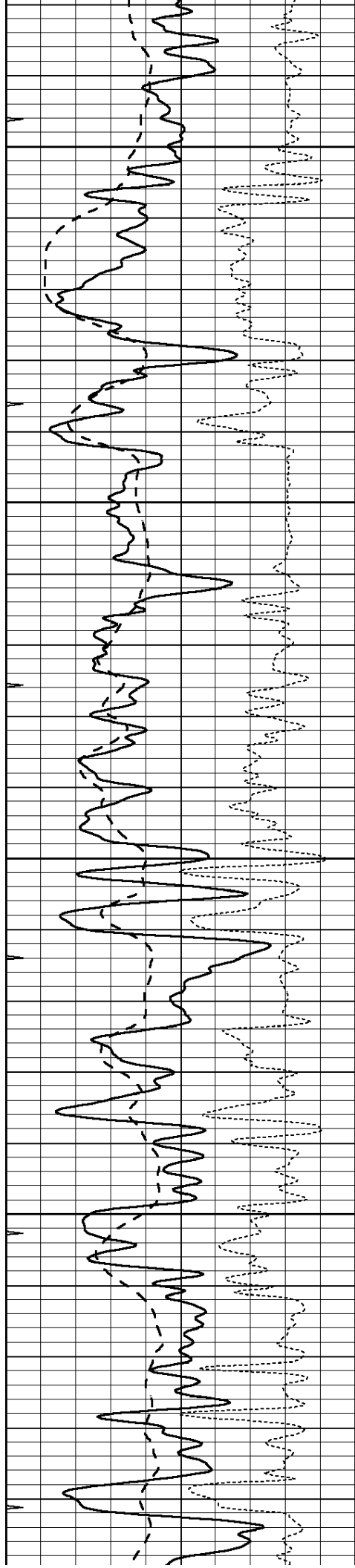
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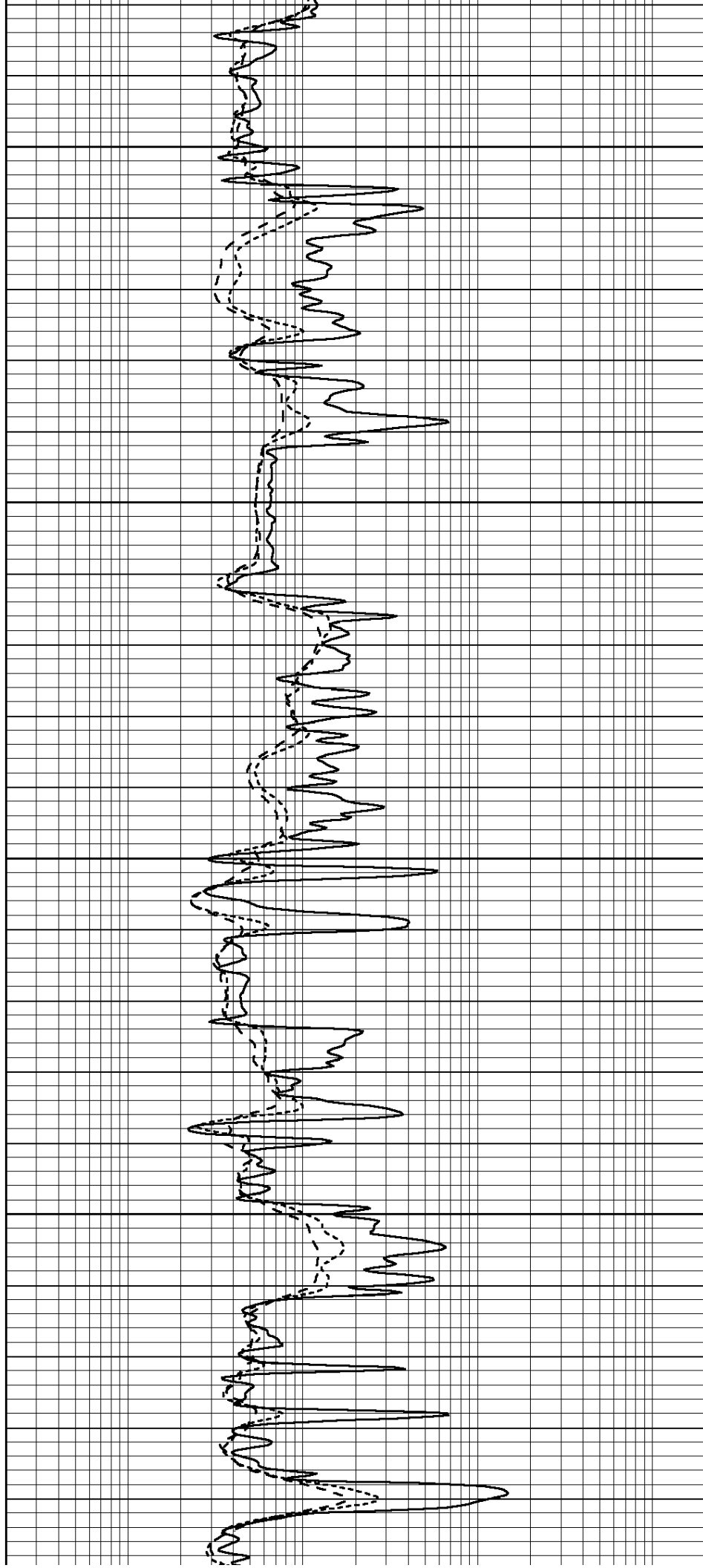


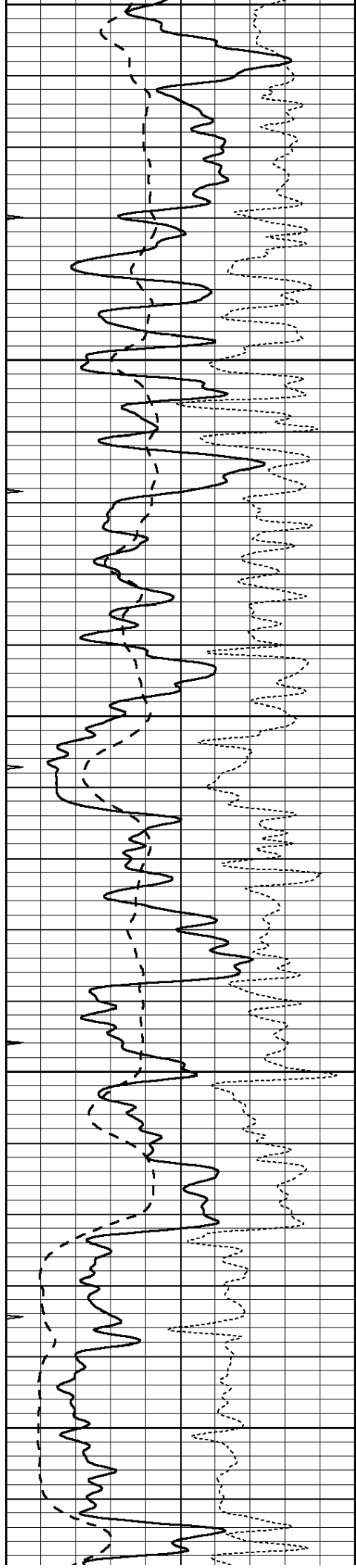
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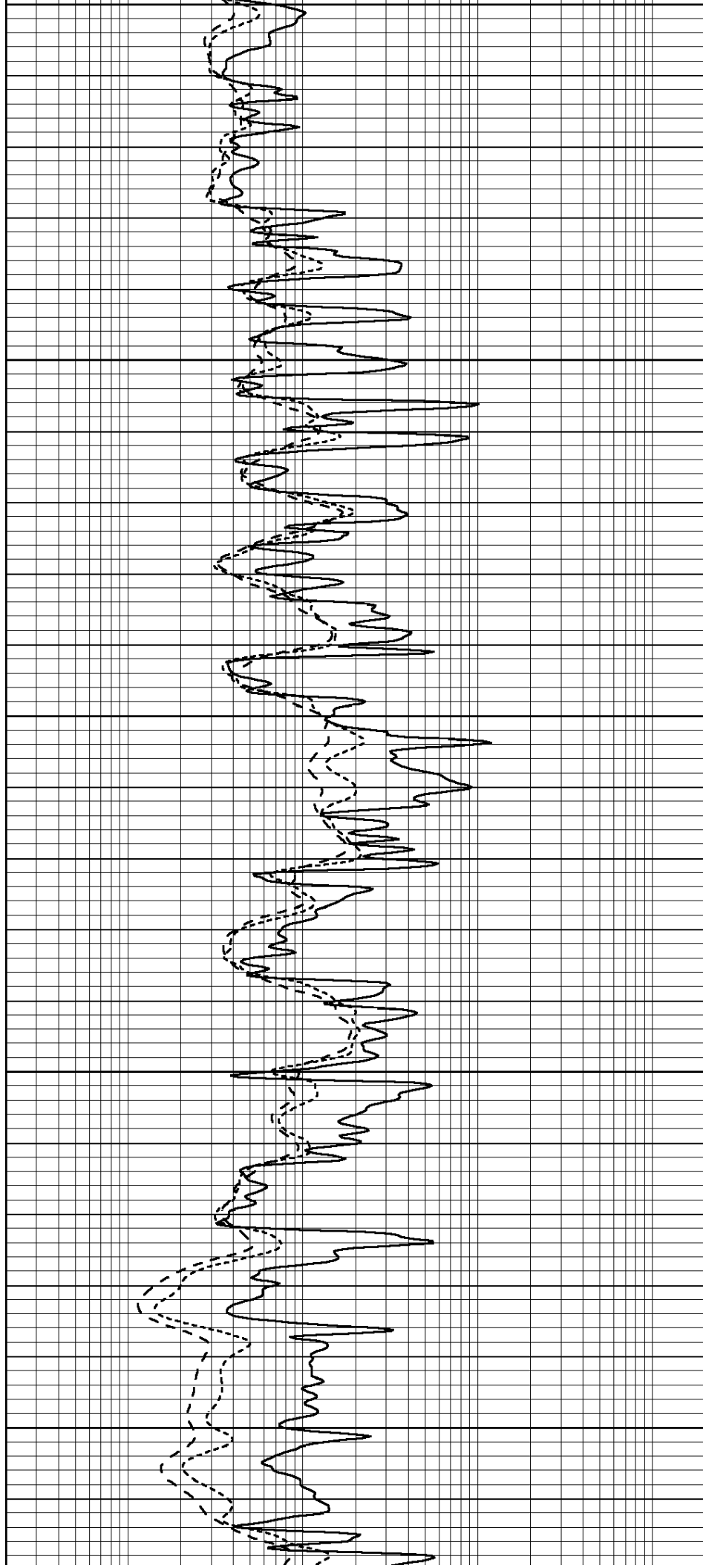
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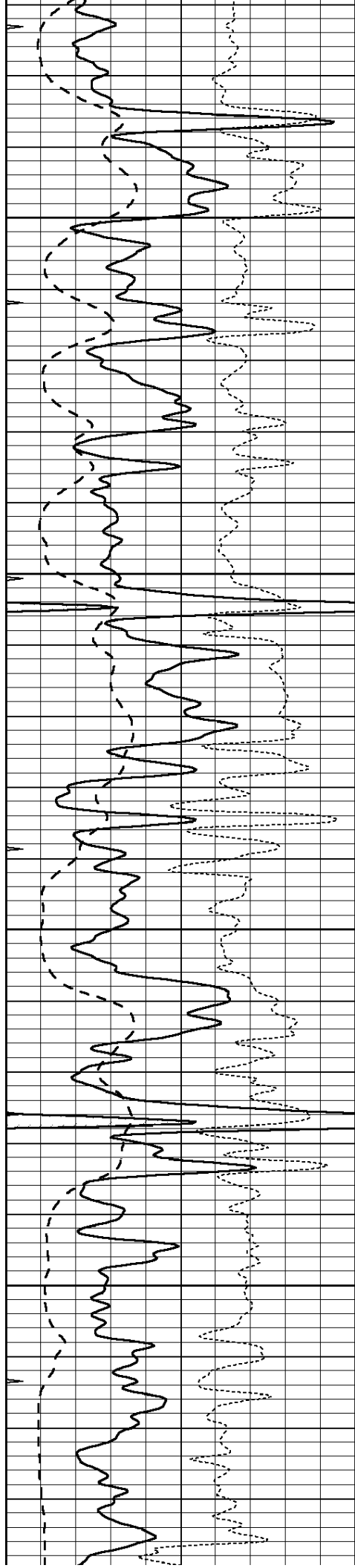
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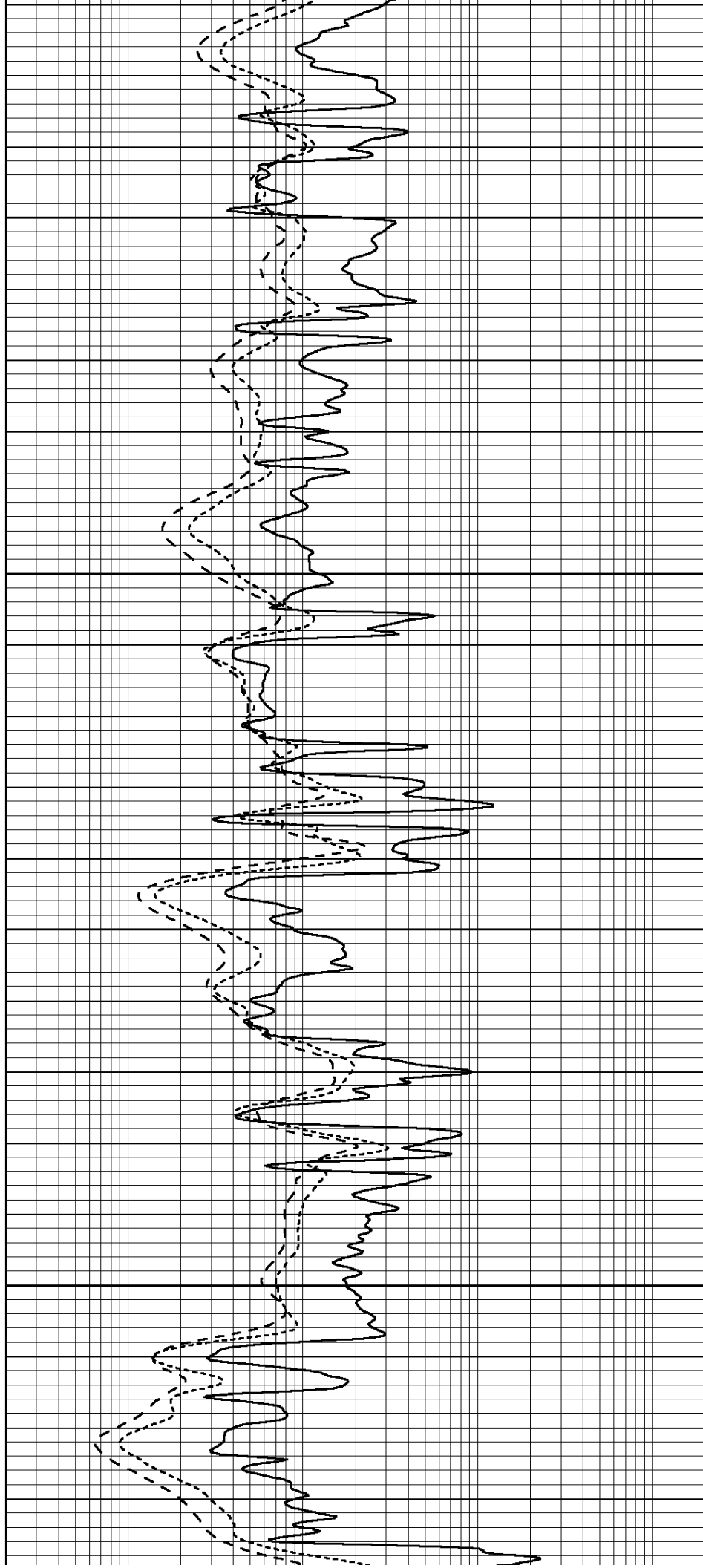


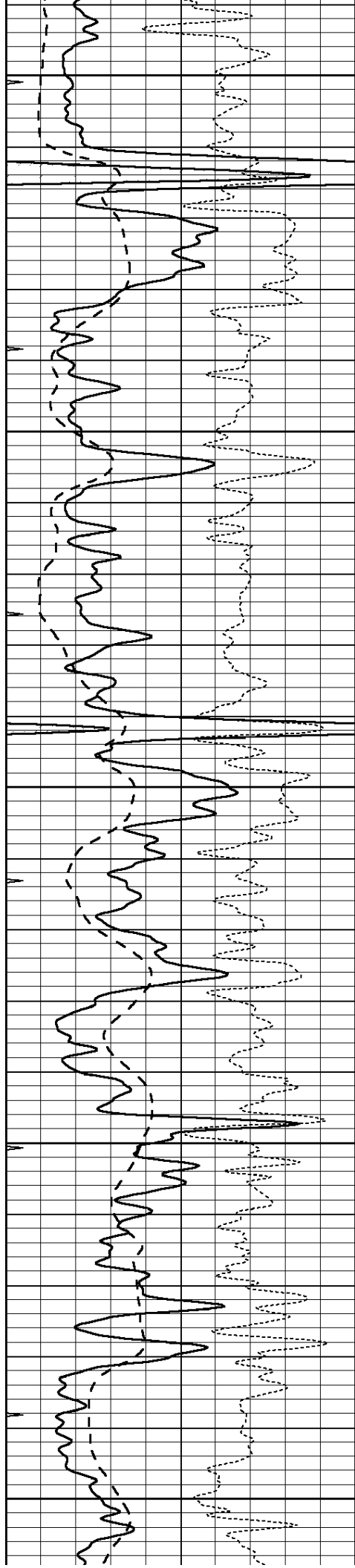
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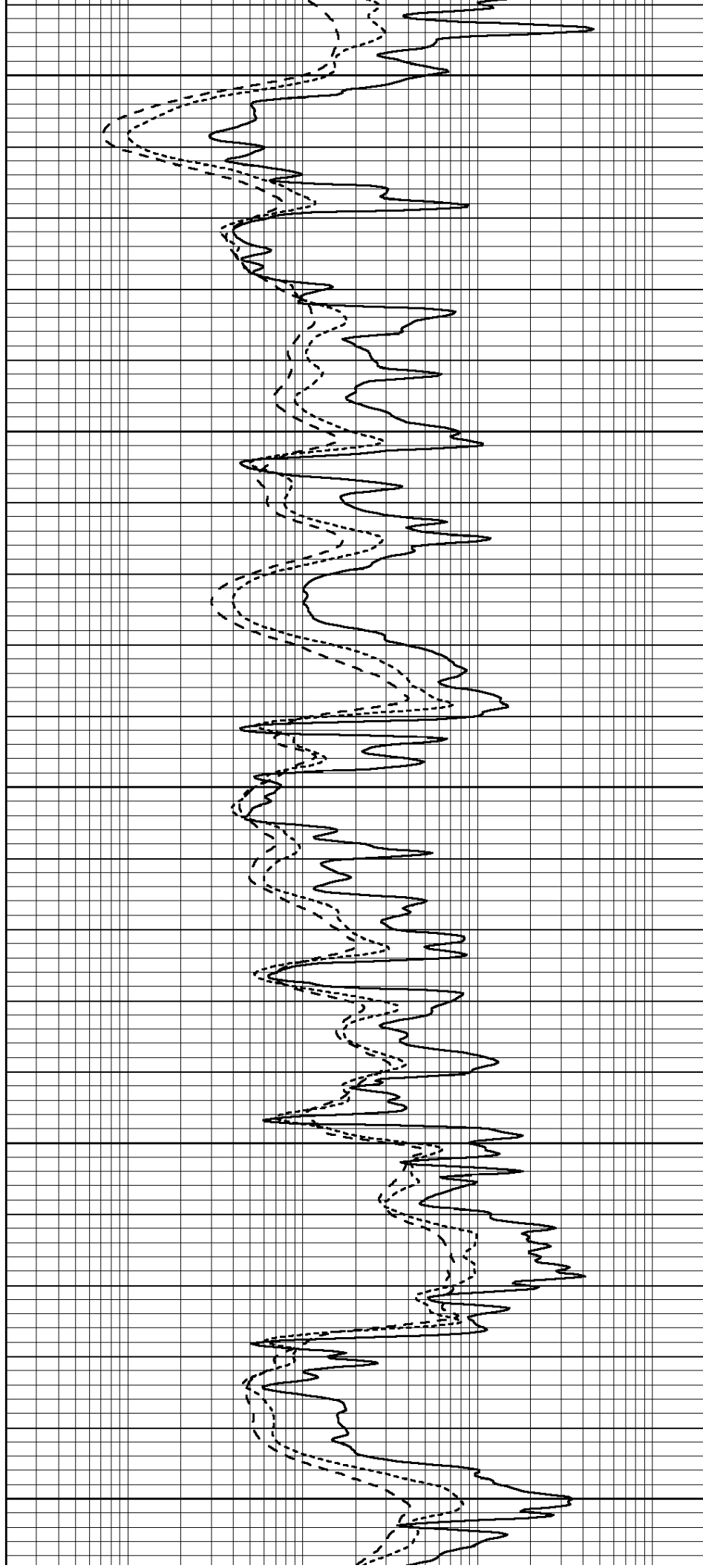
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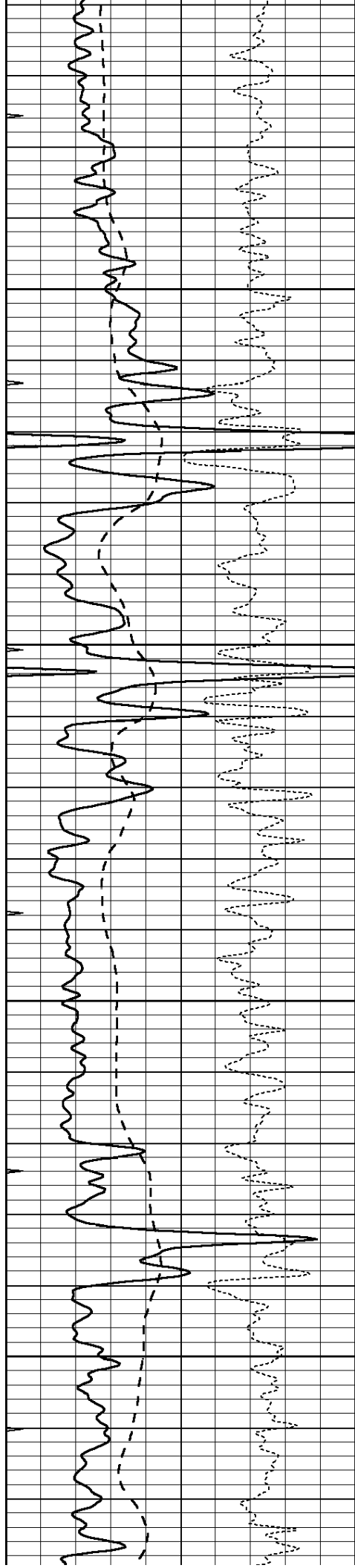
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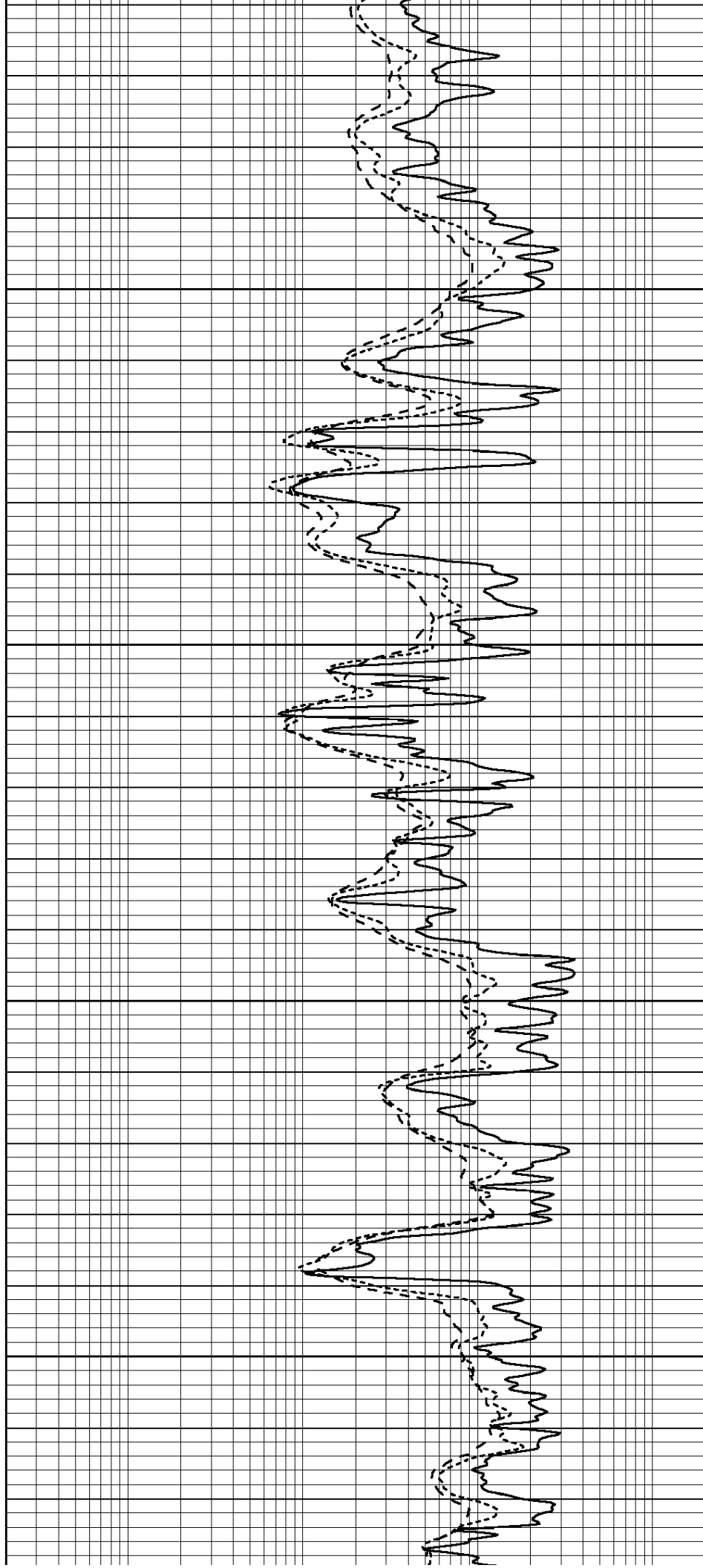


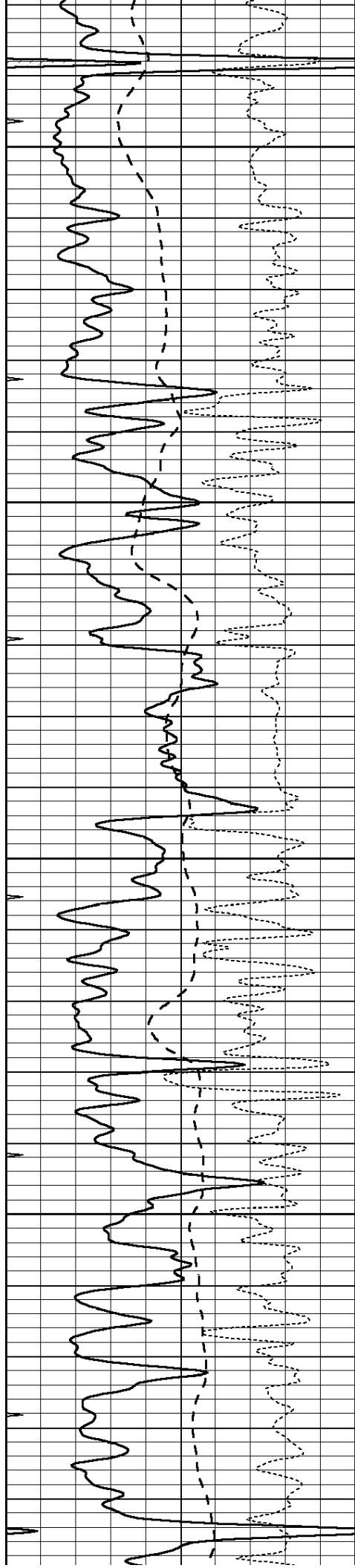
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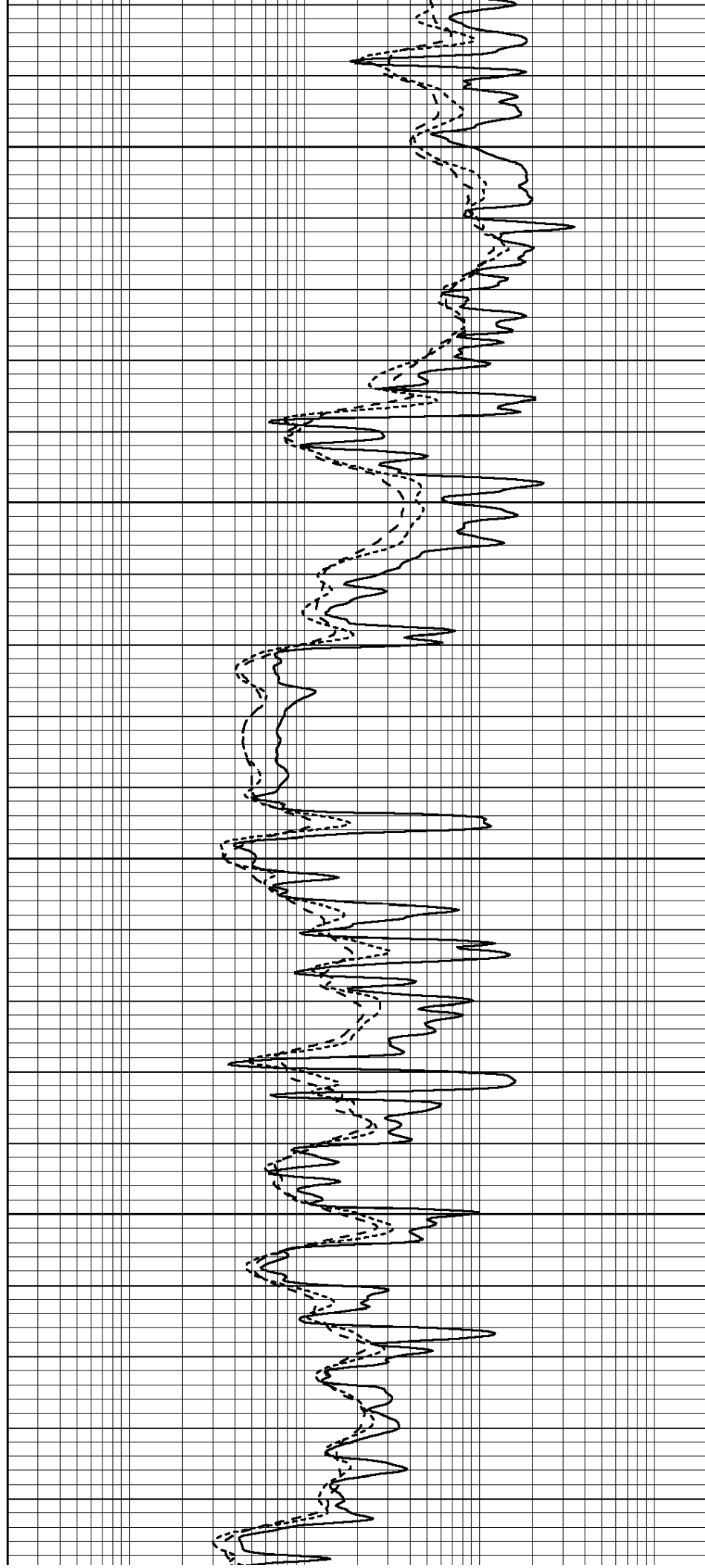


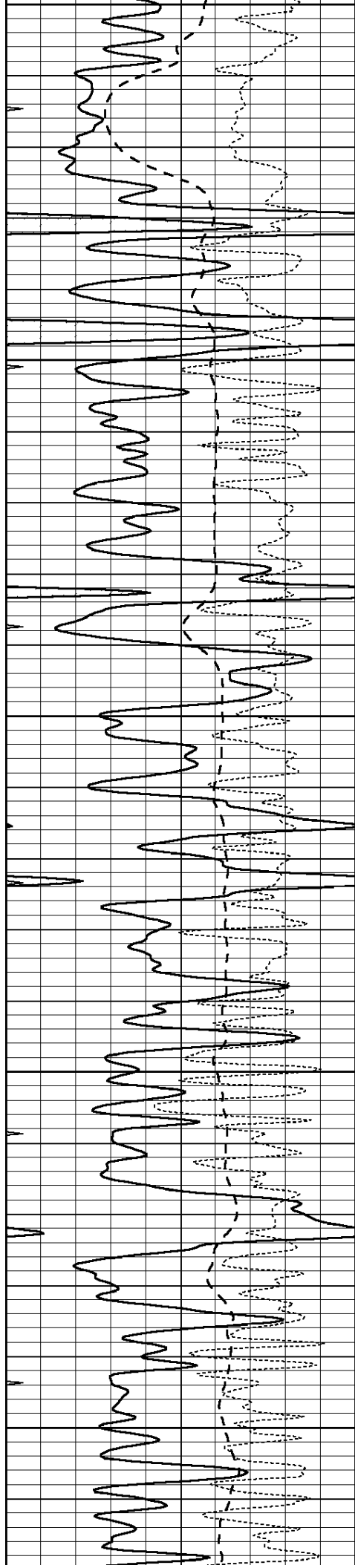
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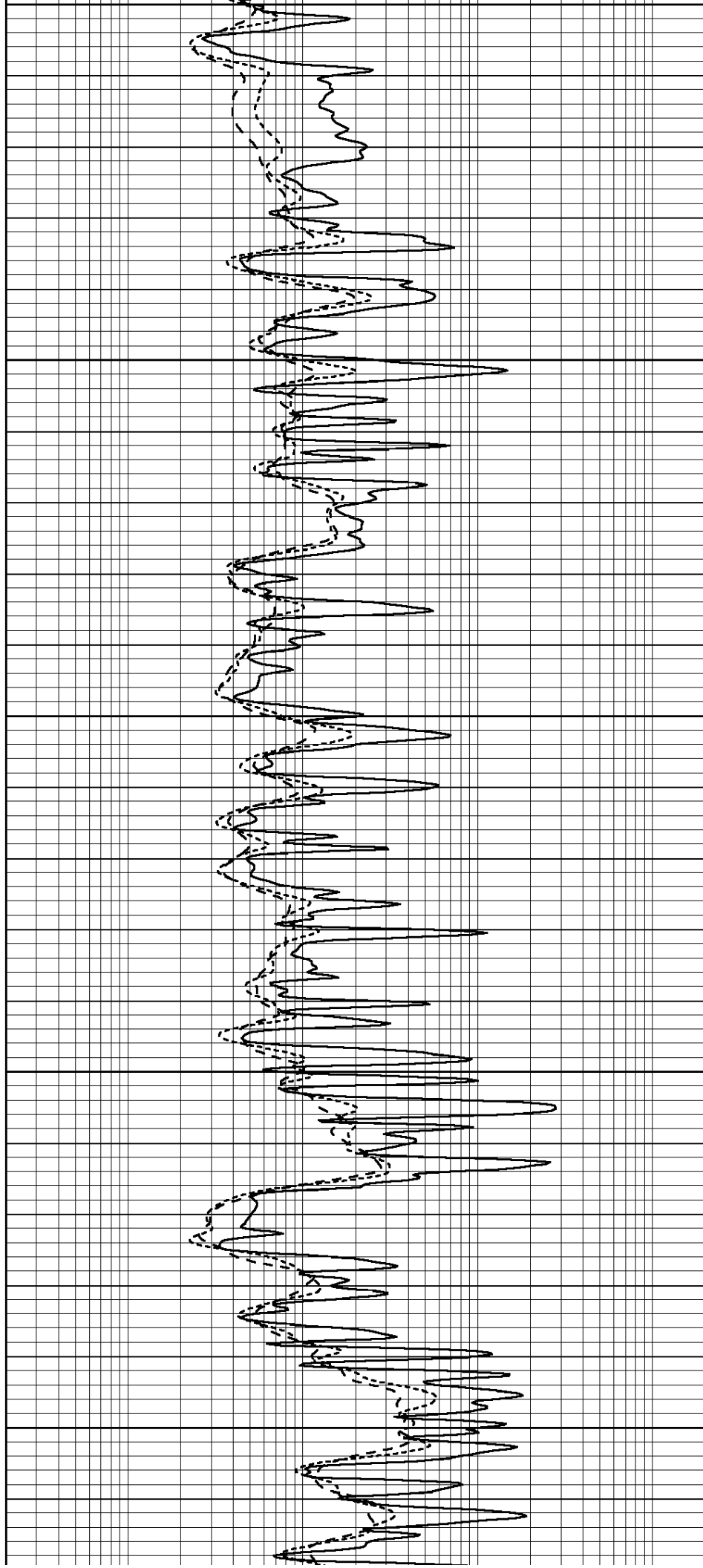
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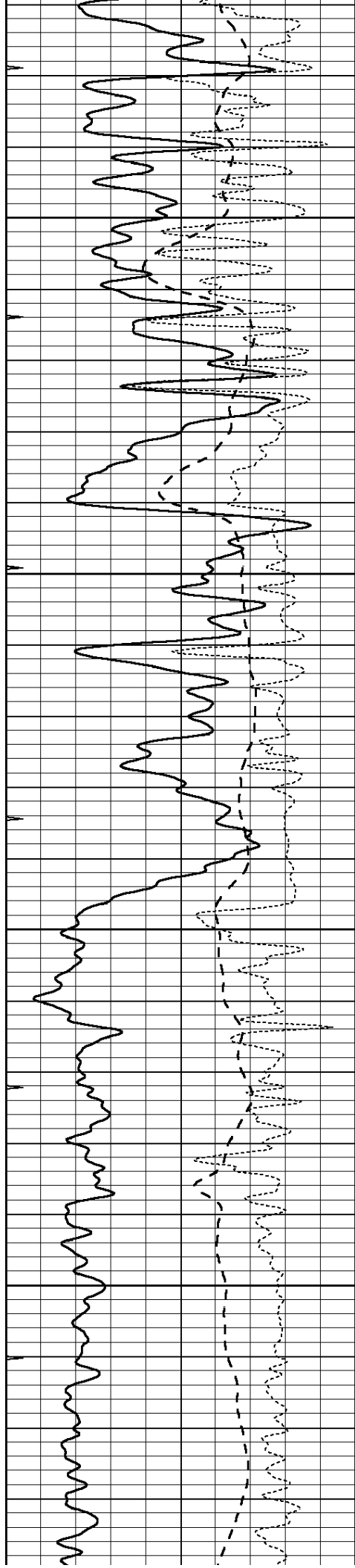
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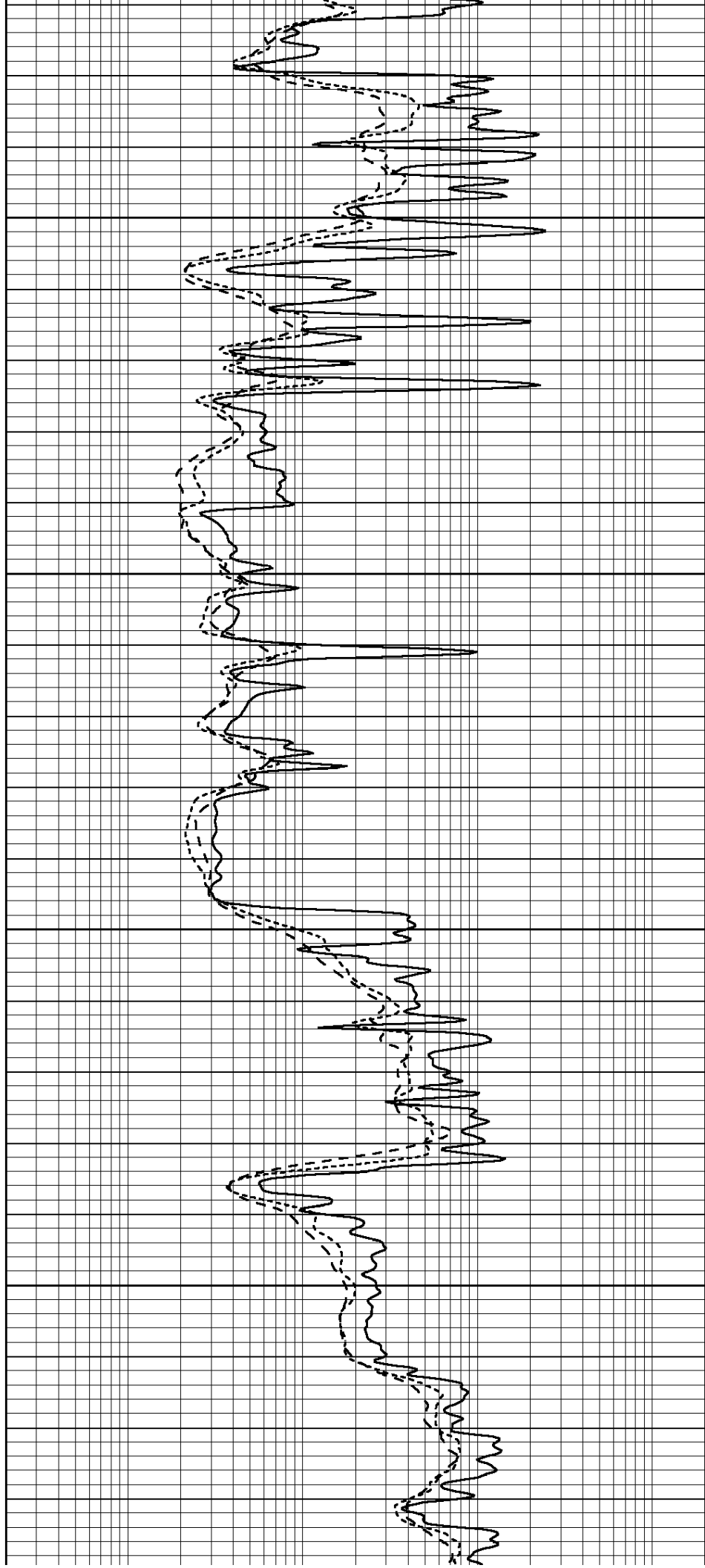


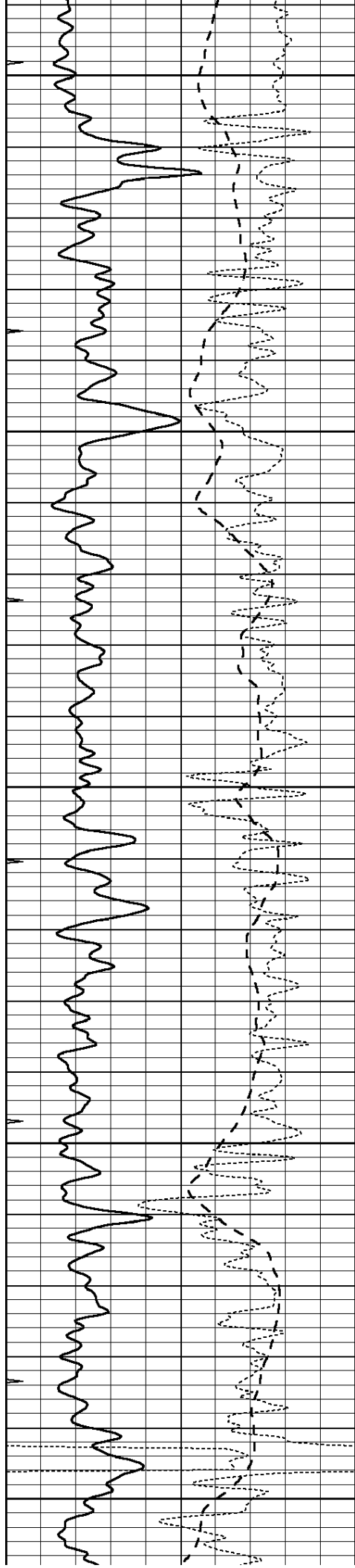
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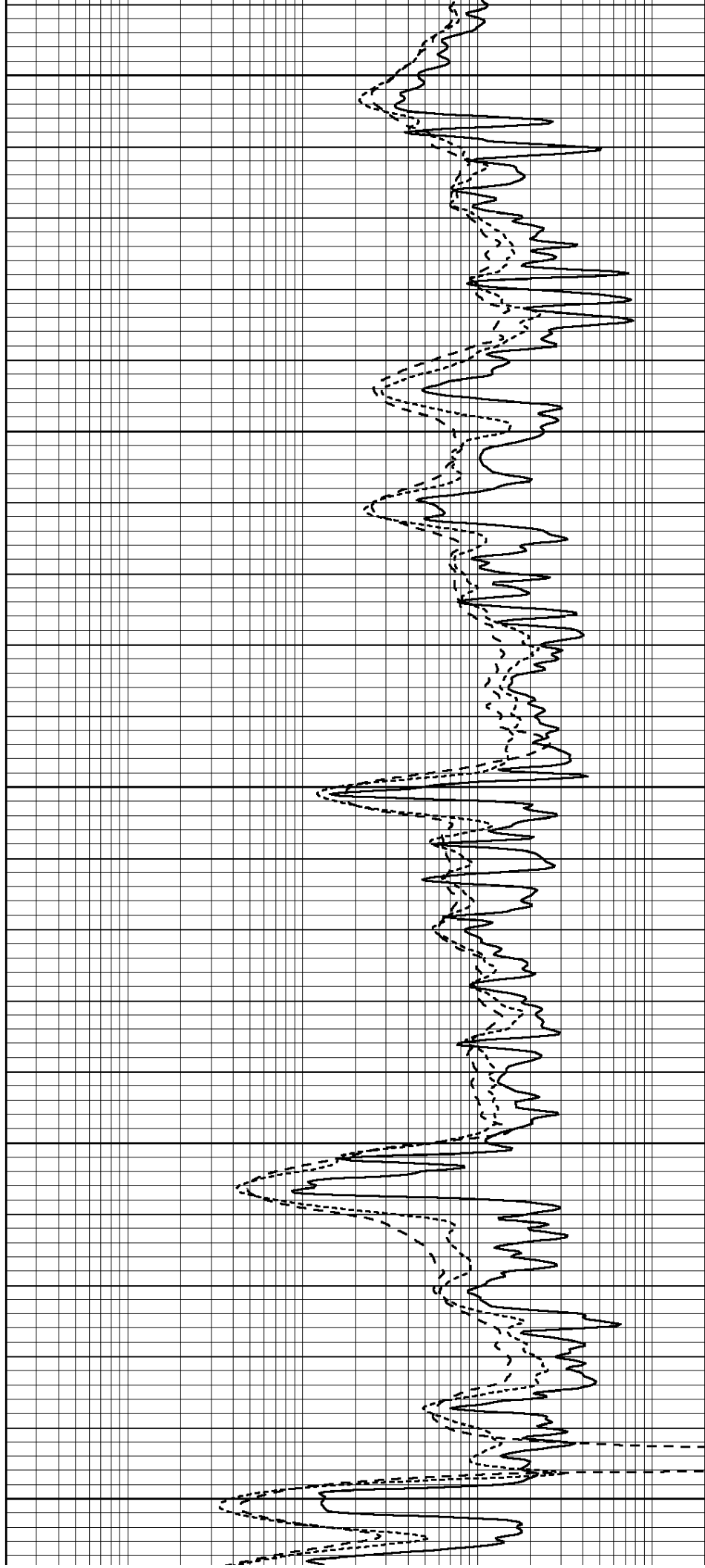
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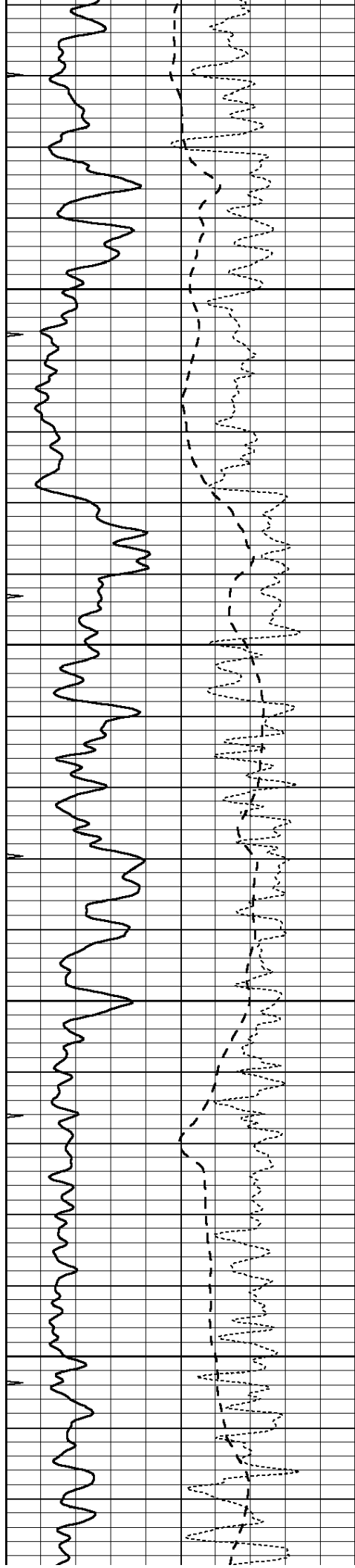
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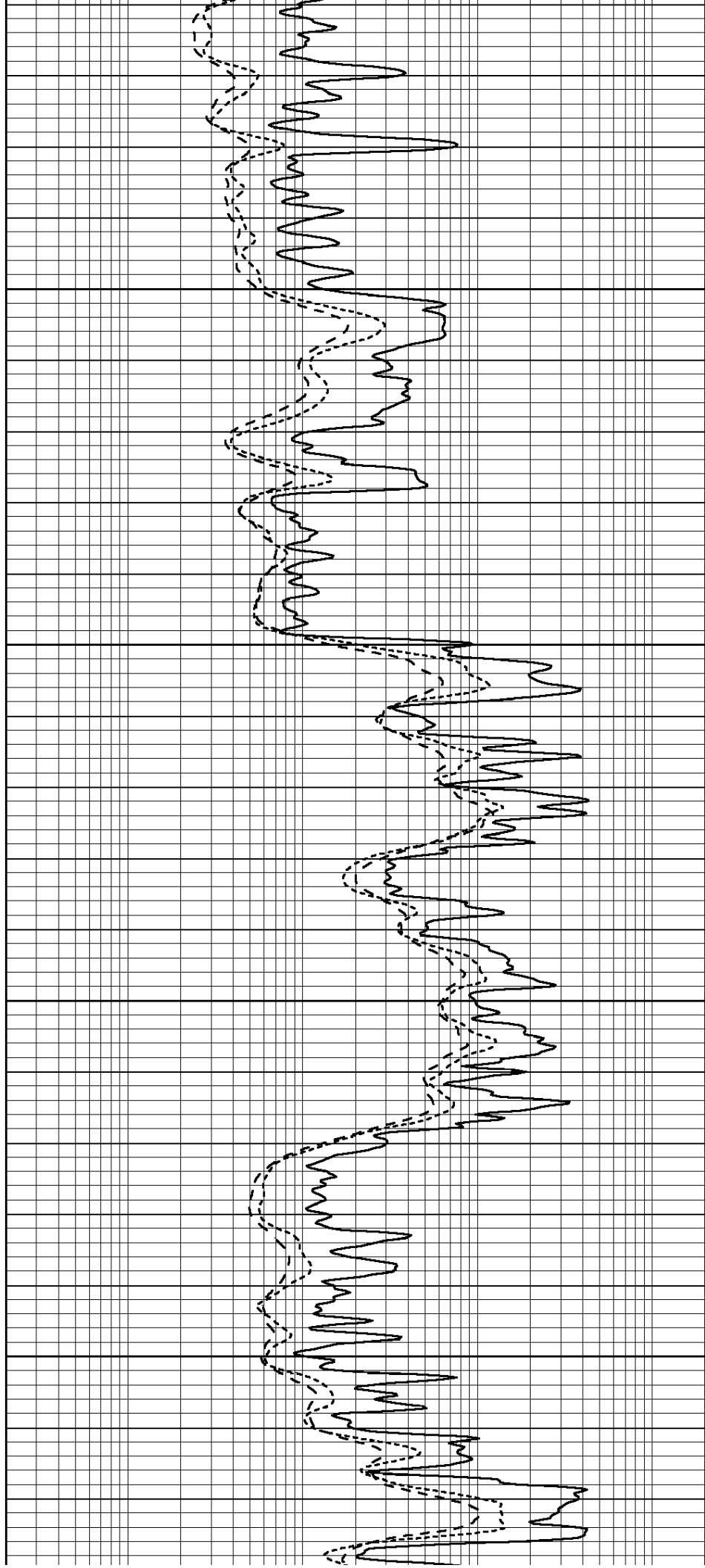


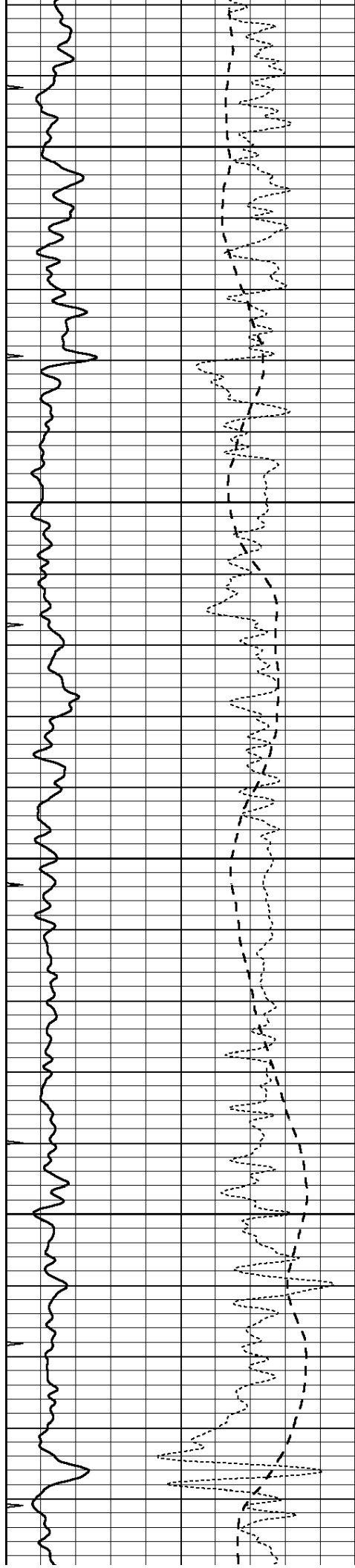
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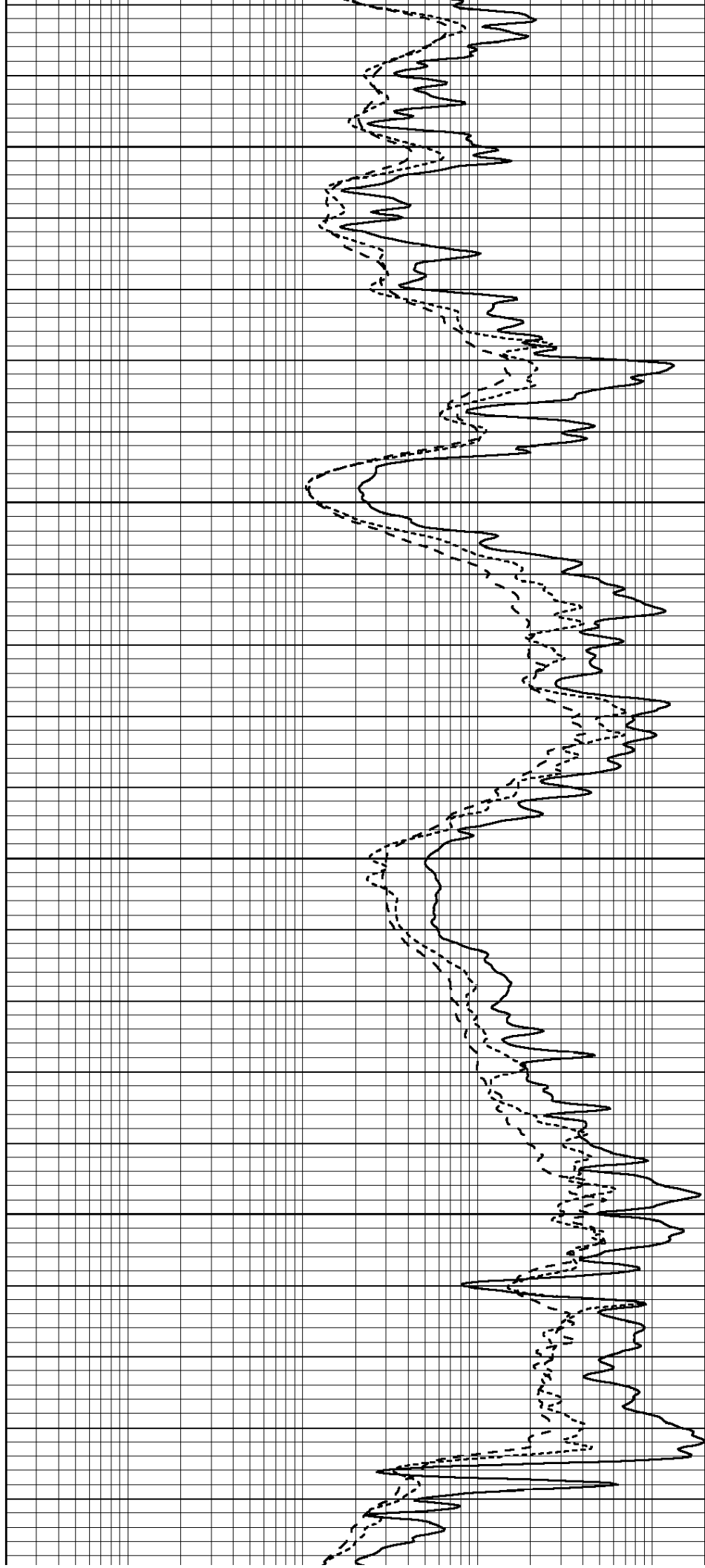
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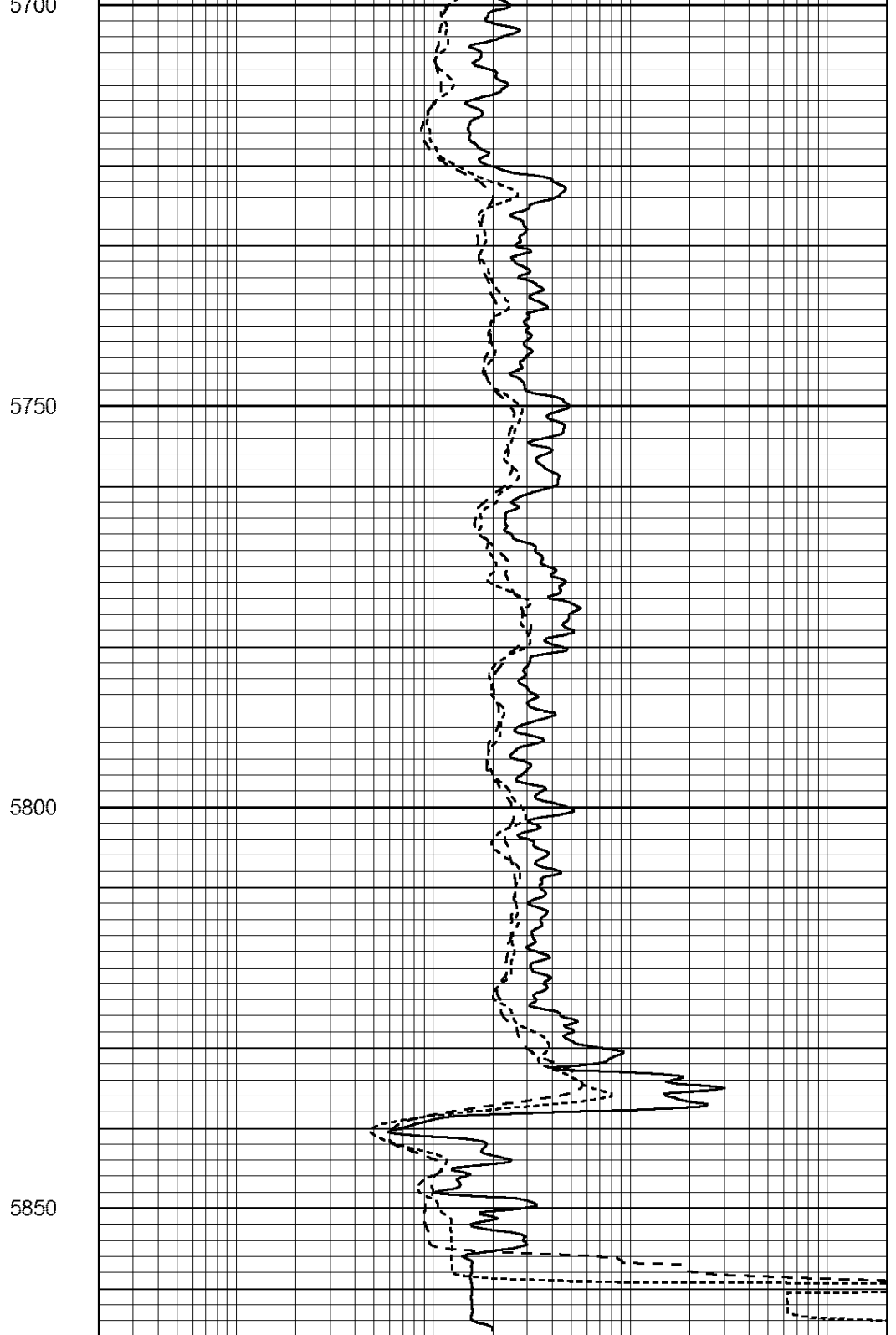
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