



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

DUAL INDUCTION LOG

Company		CHIEFTAIN OIL COMPANY, INC.	
Well	MOLZ FAMILY SWD #1		
Field	STRANATHAN		
County	BARBER	State	KANSAS
Location:	API # : 15-007-24045-0000 610' FSL & 1795' FEL NW - SE - SW - SE		Other Services CDL/CNL/PE MEL
Permanent Datum	GROUND LEVEL		Elevation 1411
Log Measured From	KELLY BUSHING 13' A.G.L.		K.B. 1424
Drilling Measured From	KELLY BUSHING		D.F. 1422
	SEC 2	TWP 35S	RGE 12W
Date	8/6/13		
Run Number	ONE		
Depth Driller	6460		
Depth Logger	6458		
Bottom Logged Interval	6456		
Top Log Interval	00		
Casing Driller	8 5/8"@915'		13 3/8"@325'
Casing Logger	909		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,300 PPM	
Density / Viscosity	8.8/72		
pH / Fluid Loss	10.0/10.5		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.250@90F		
Rmf @ Meas. Temp	.188@90F		
Rmc @ Meas. Temp	.300@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.163@138F		
Time Circulation Stopped	8 HOURS		
Time Logger on Bottom	7:00 P.M.		
Maximum Recorded Temperature	138F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ARDEN RATZLAFF		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

HARDTNER, KS., 3 1/2E. ON HWY 281 TO "CLAIRMONT RD.", 1/2N., W. INTO @CATTLE GUARD

Database File:

011199pe.db

Dataset Pathname:

pass3.6

Presentation Format:

dilo

Dataset Creation:

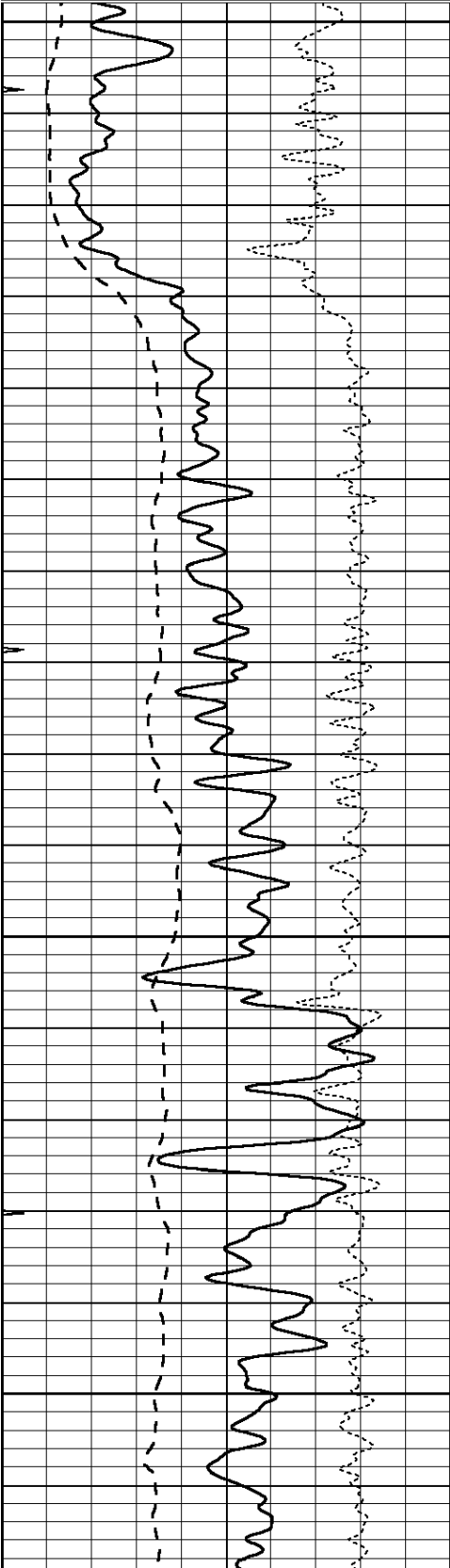
Wed Aug 07 00:01:47 2013

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

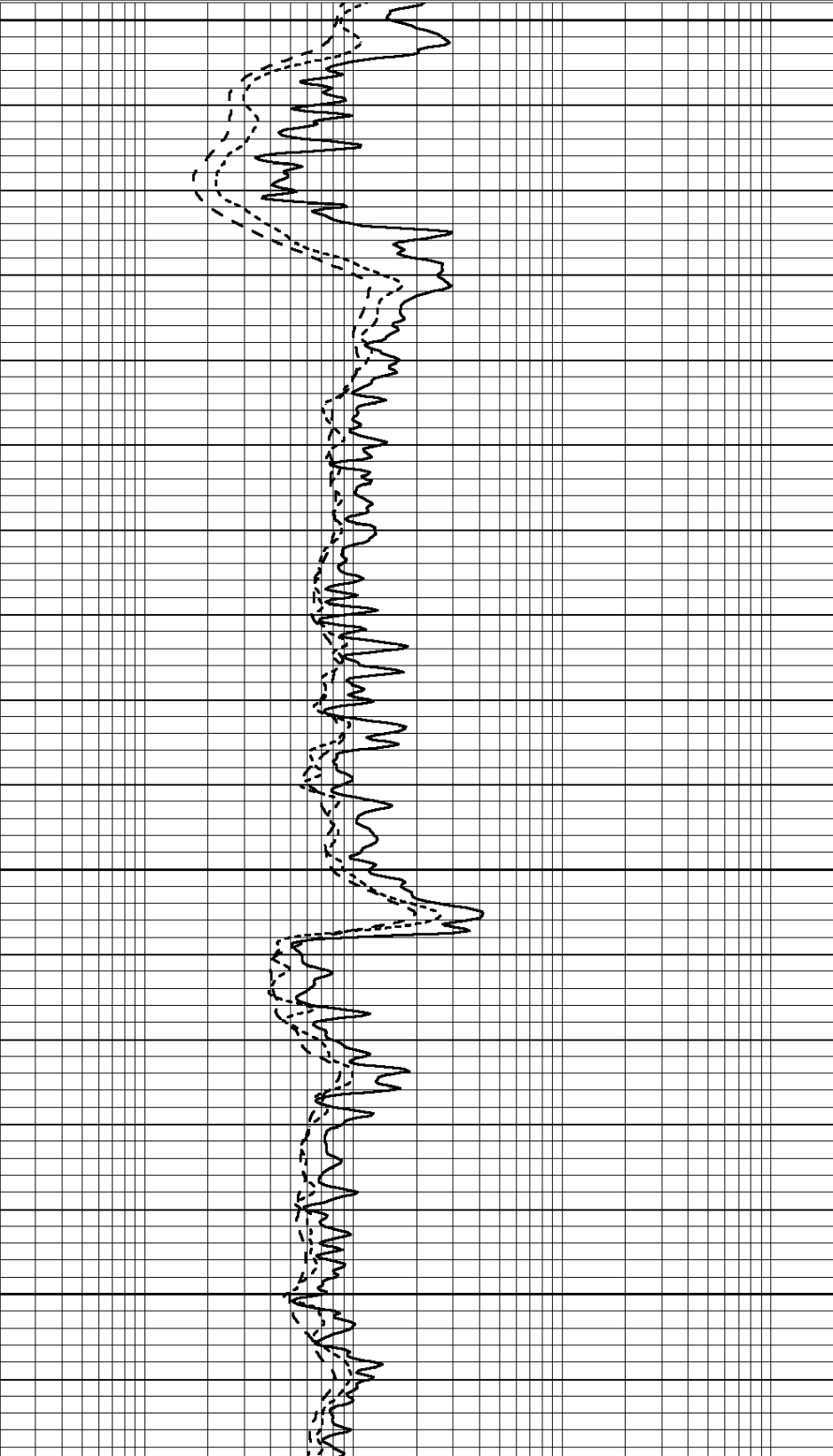


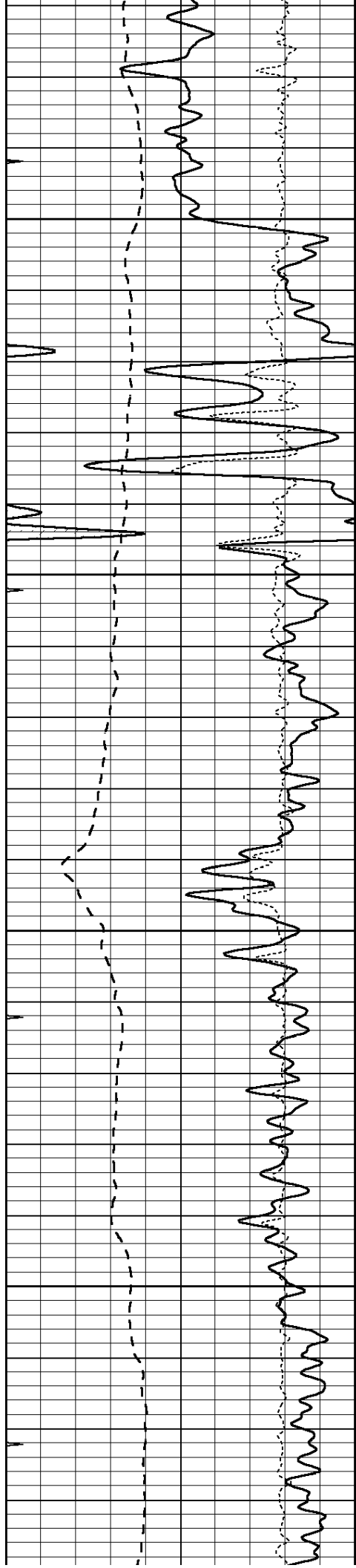
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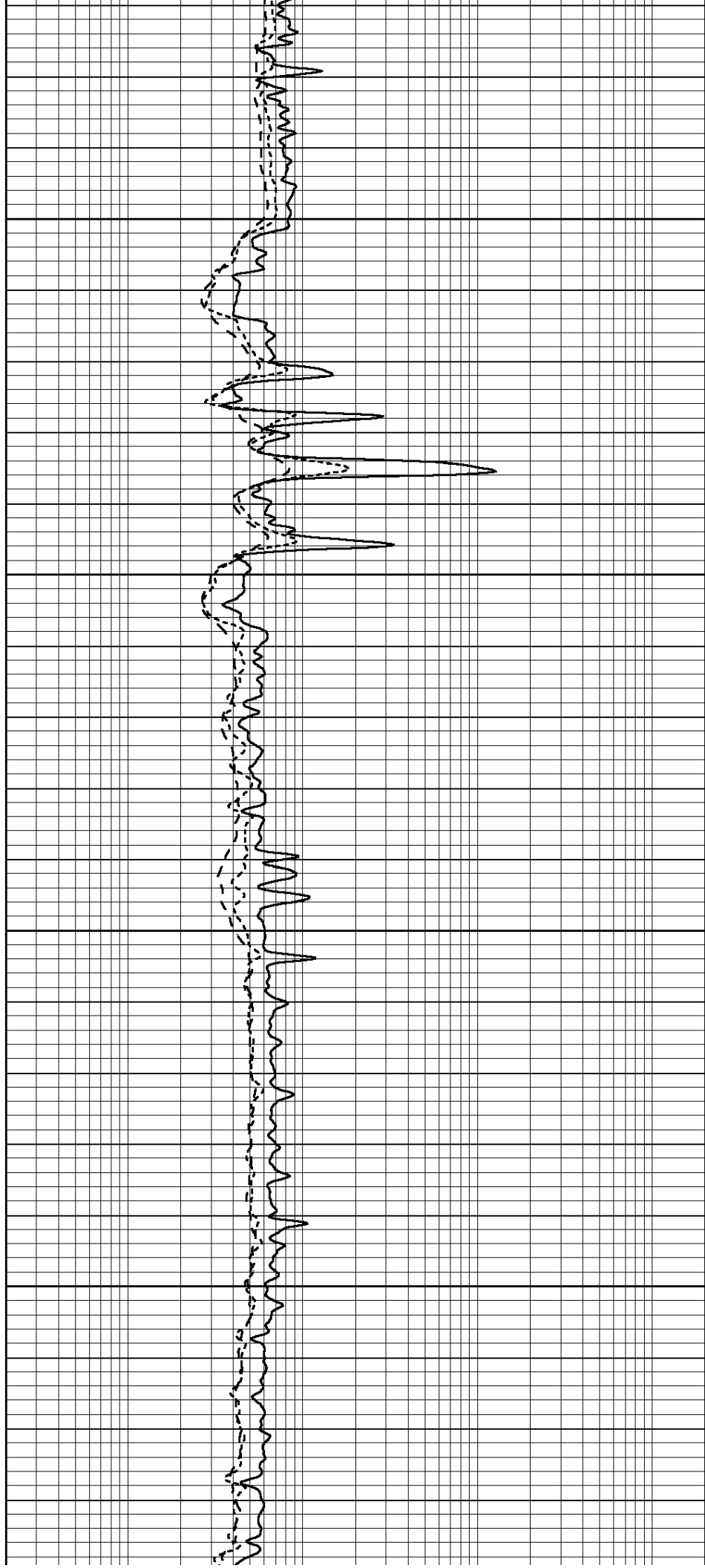


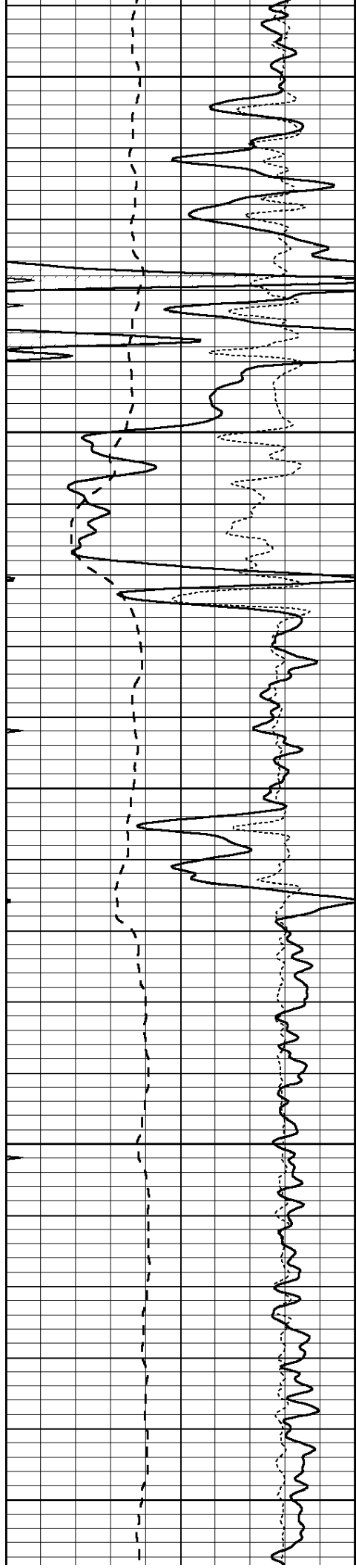
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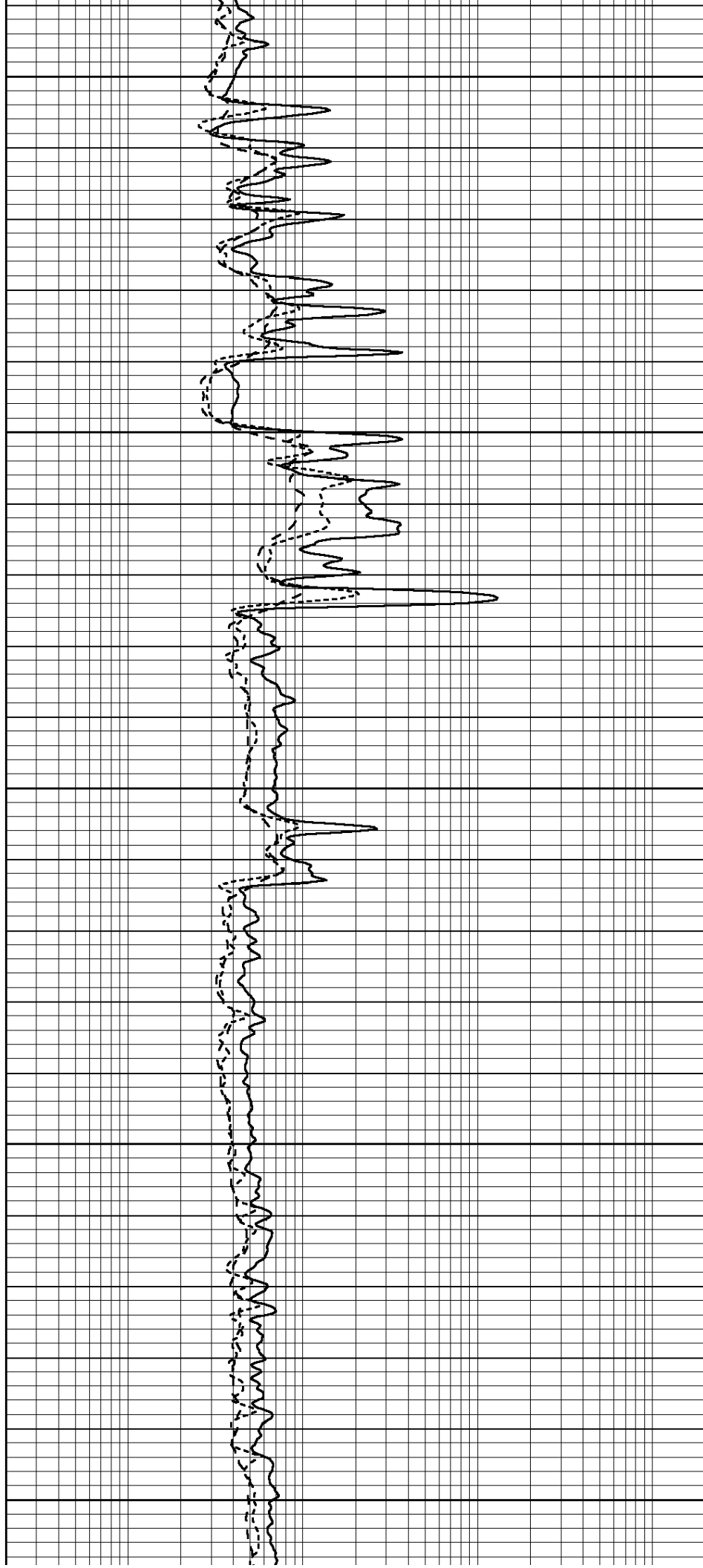
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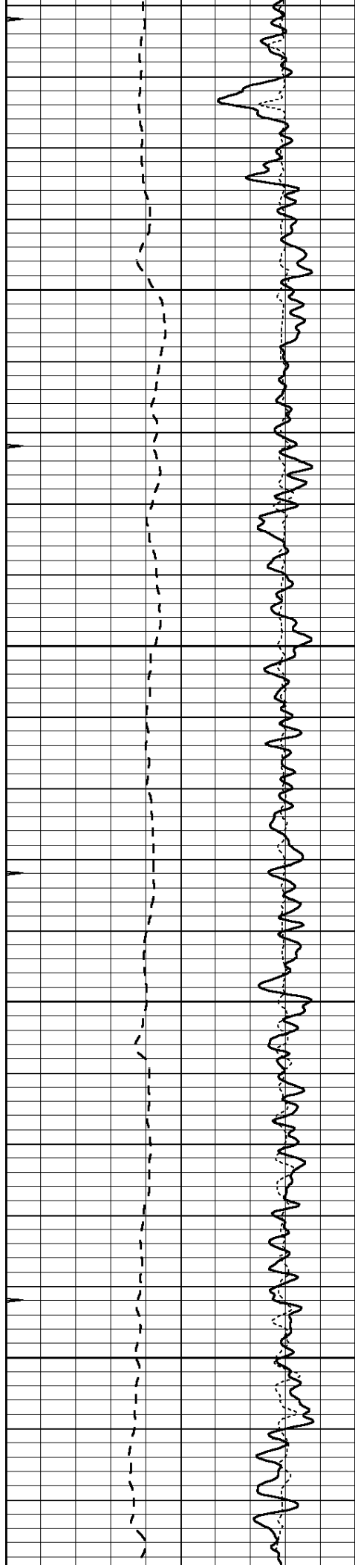
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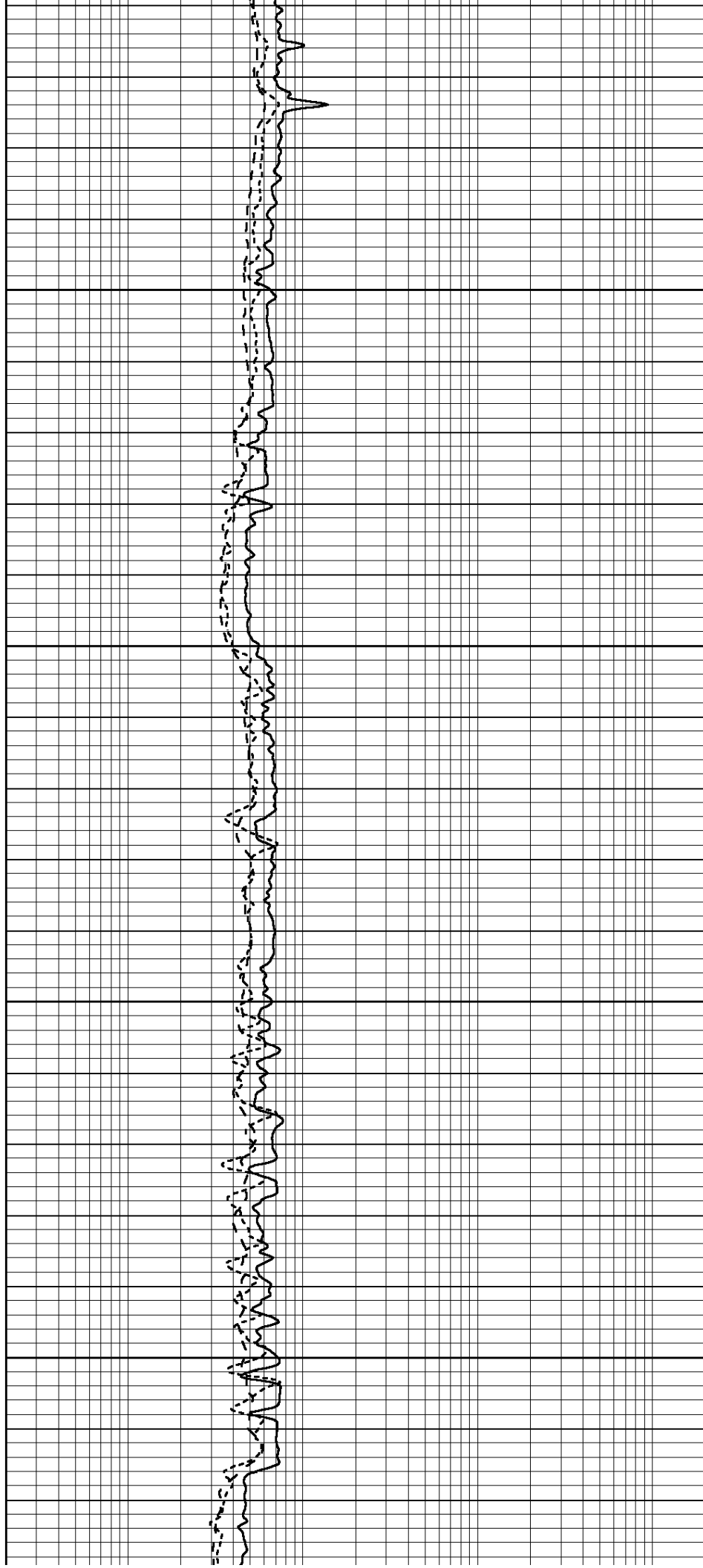


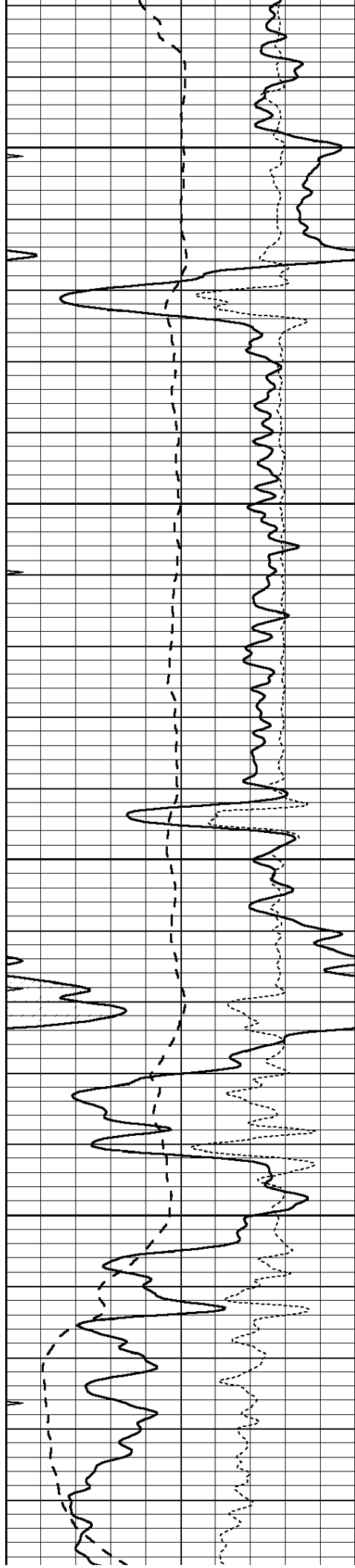
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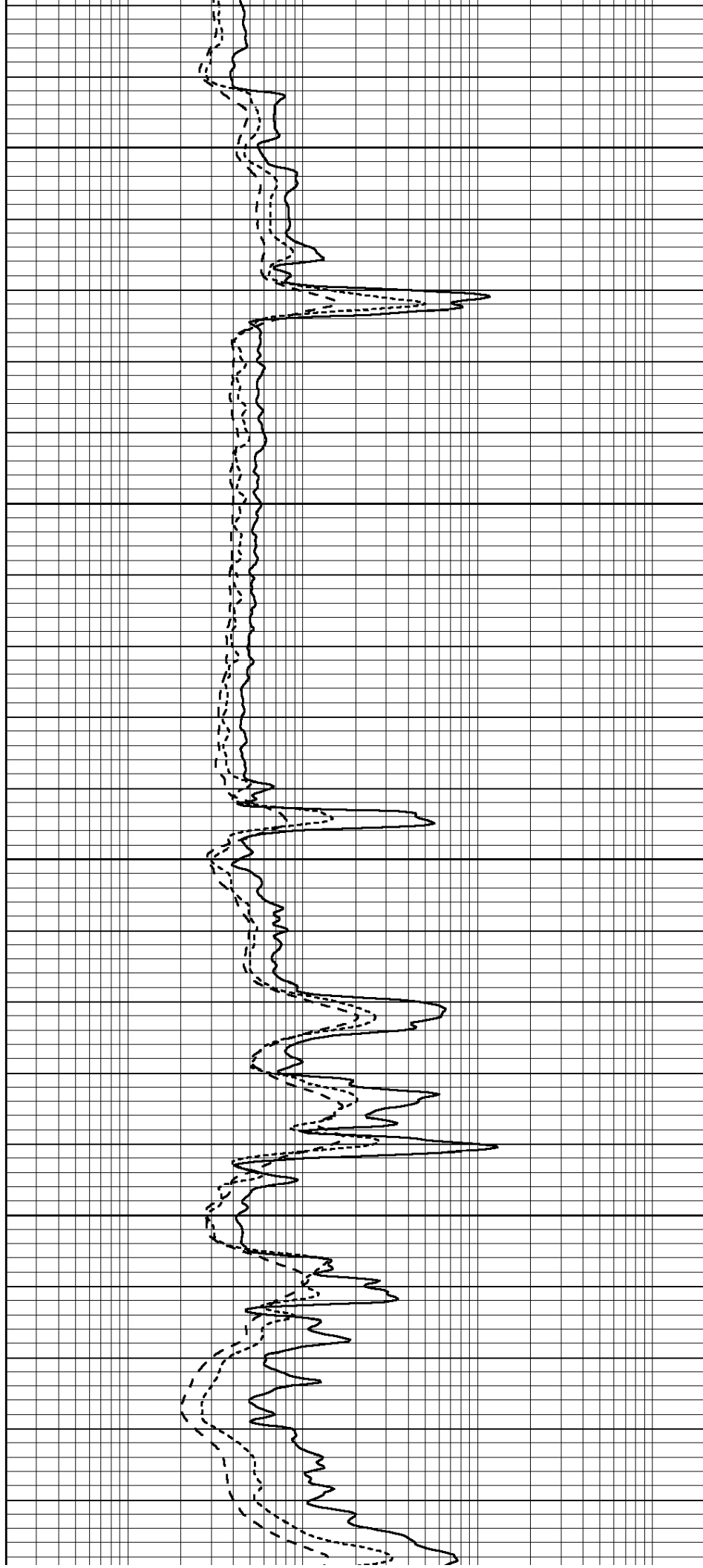


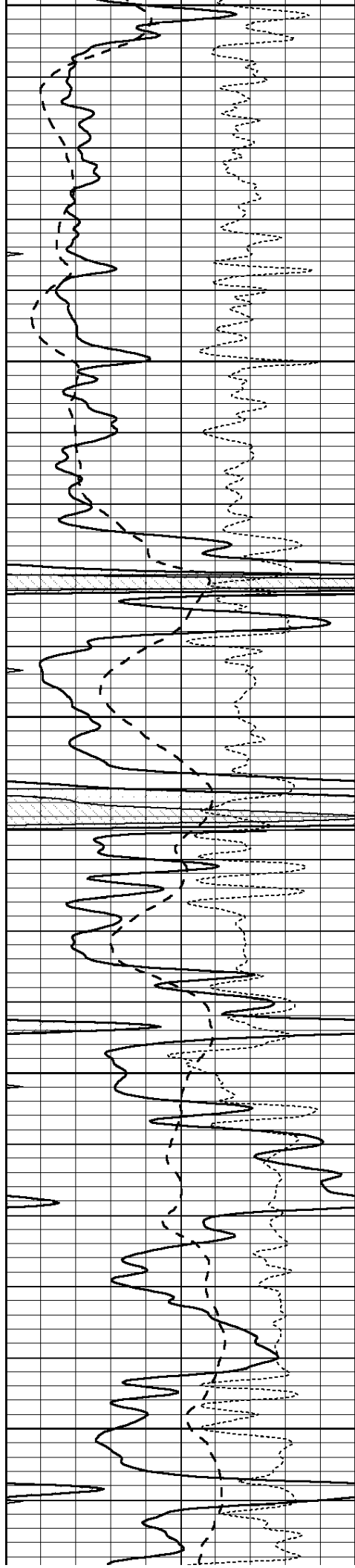
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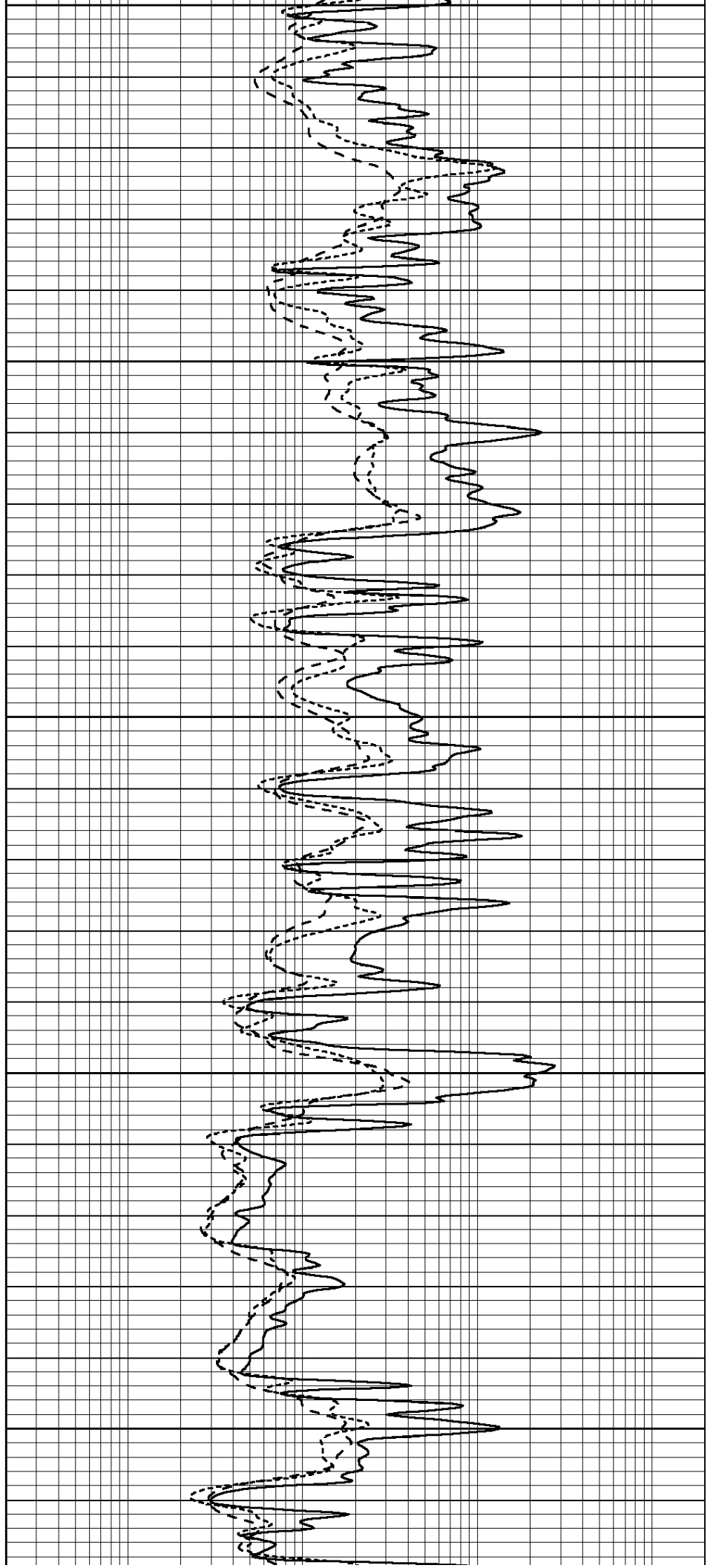
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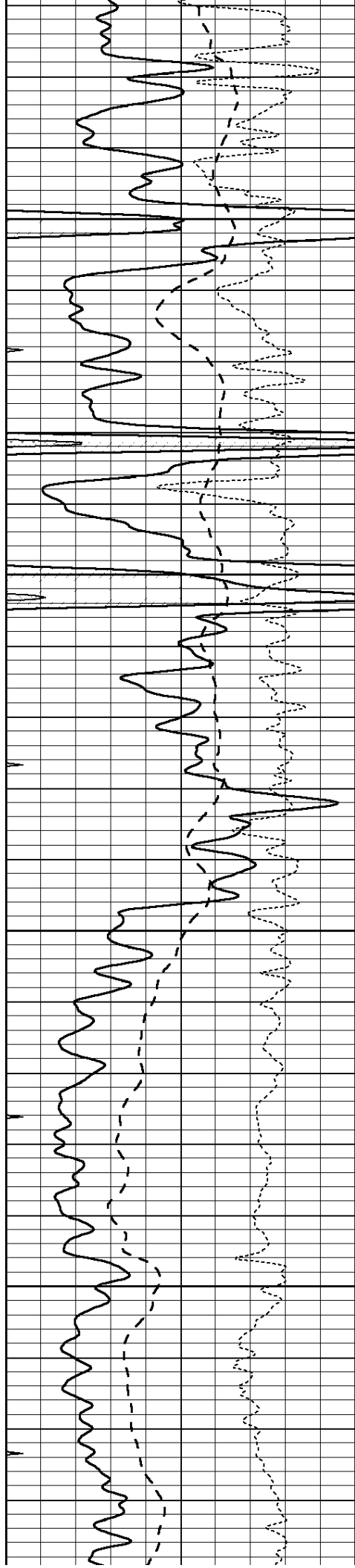
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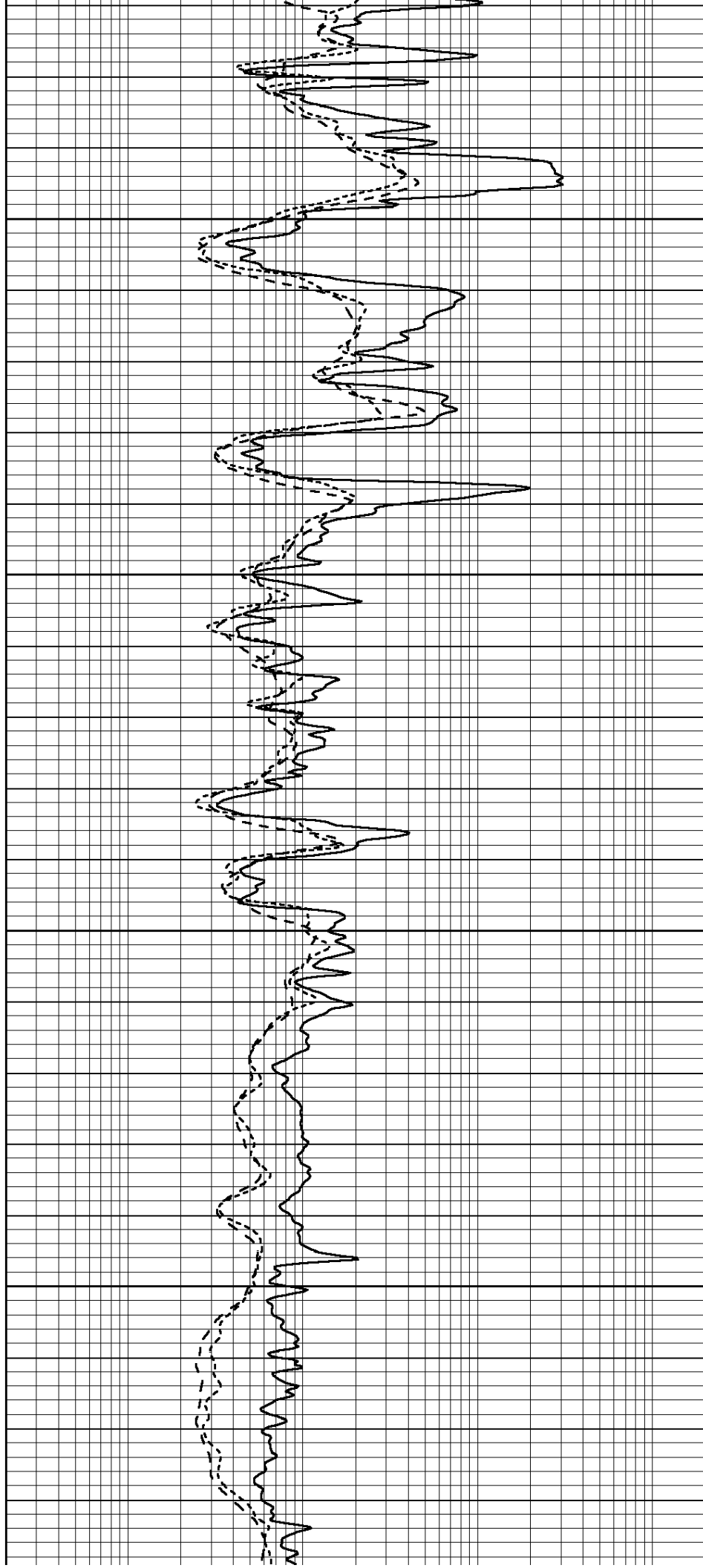


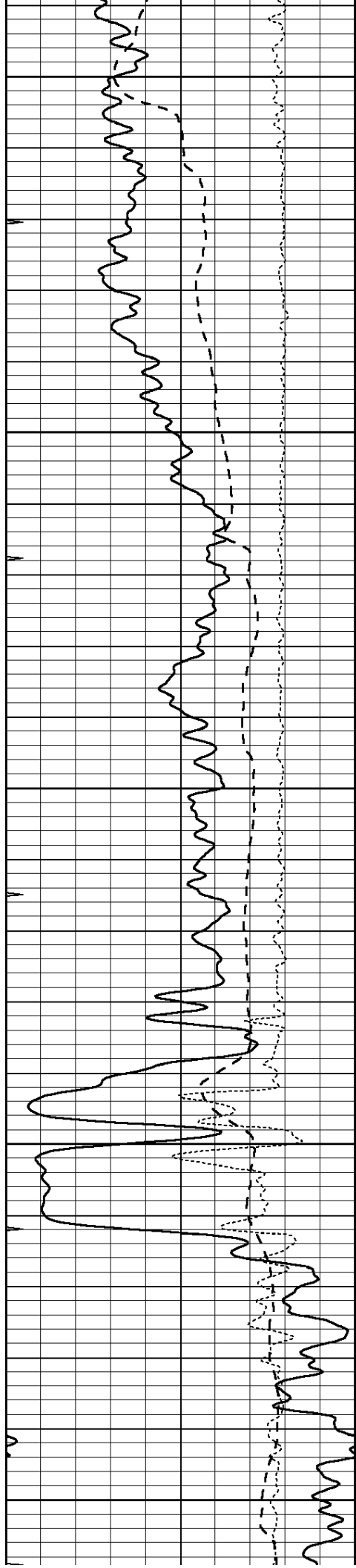
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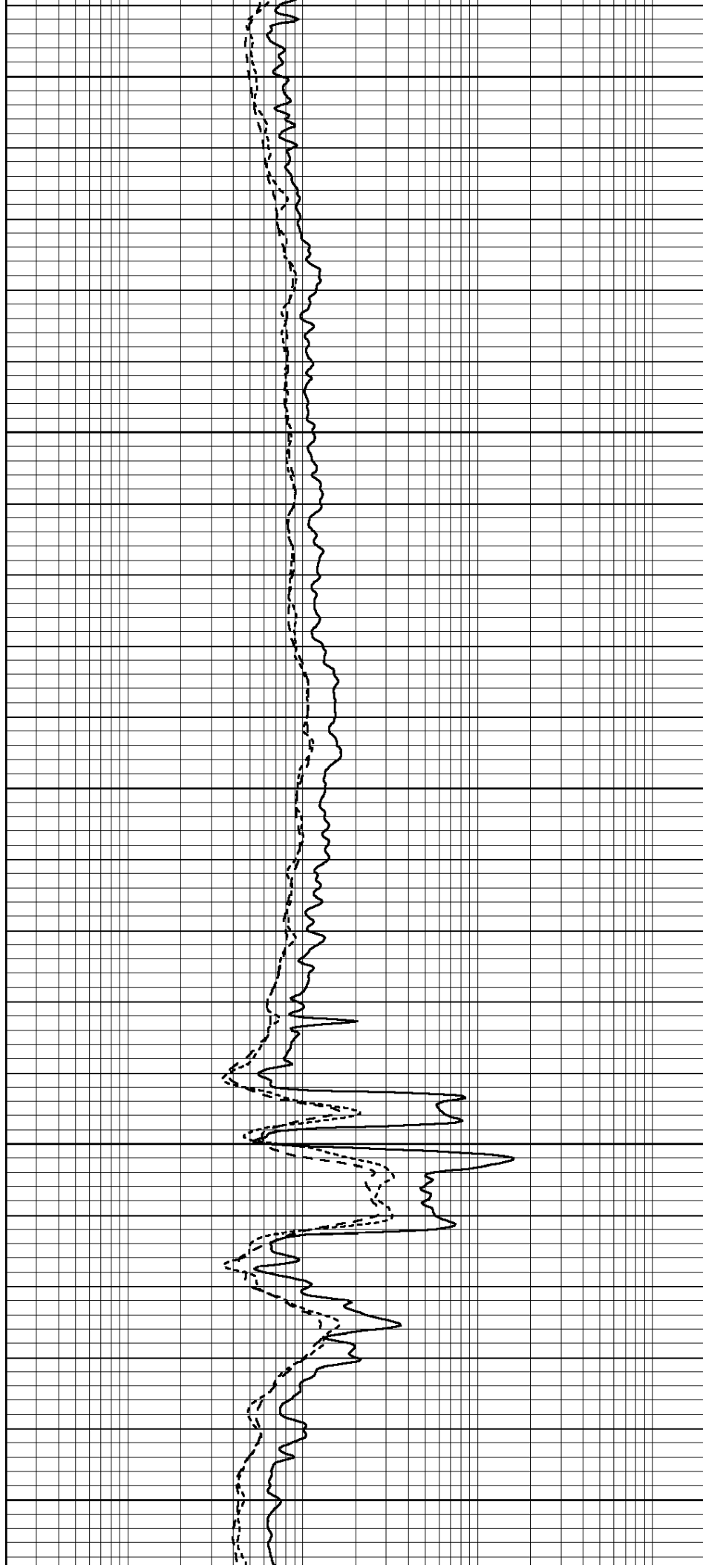
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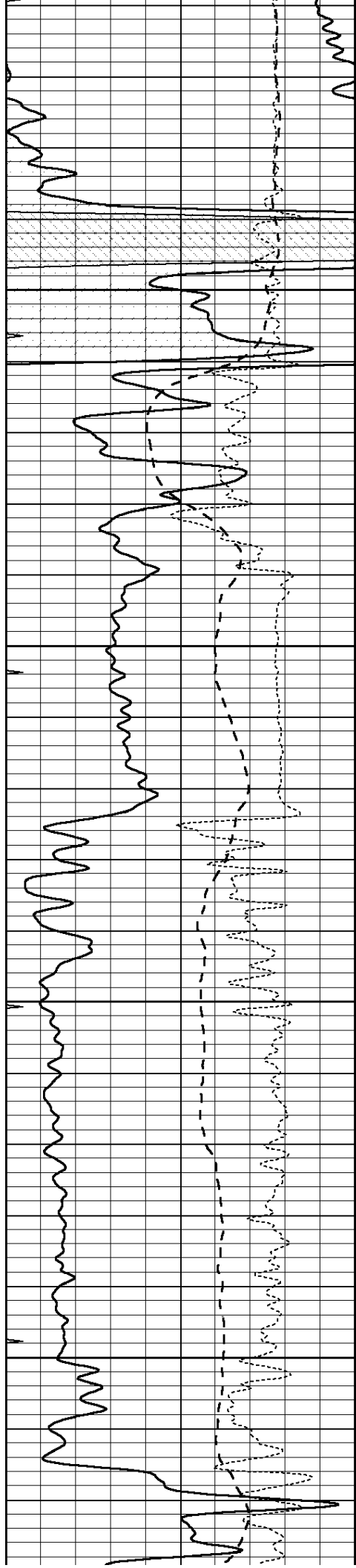
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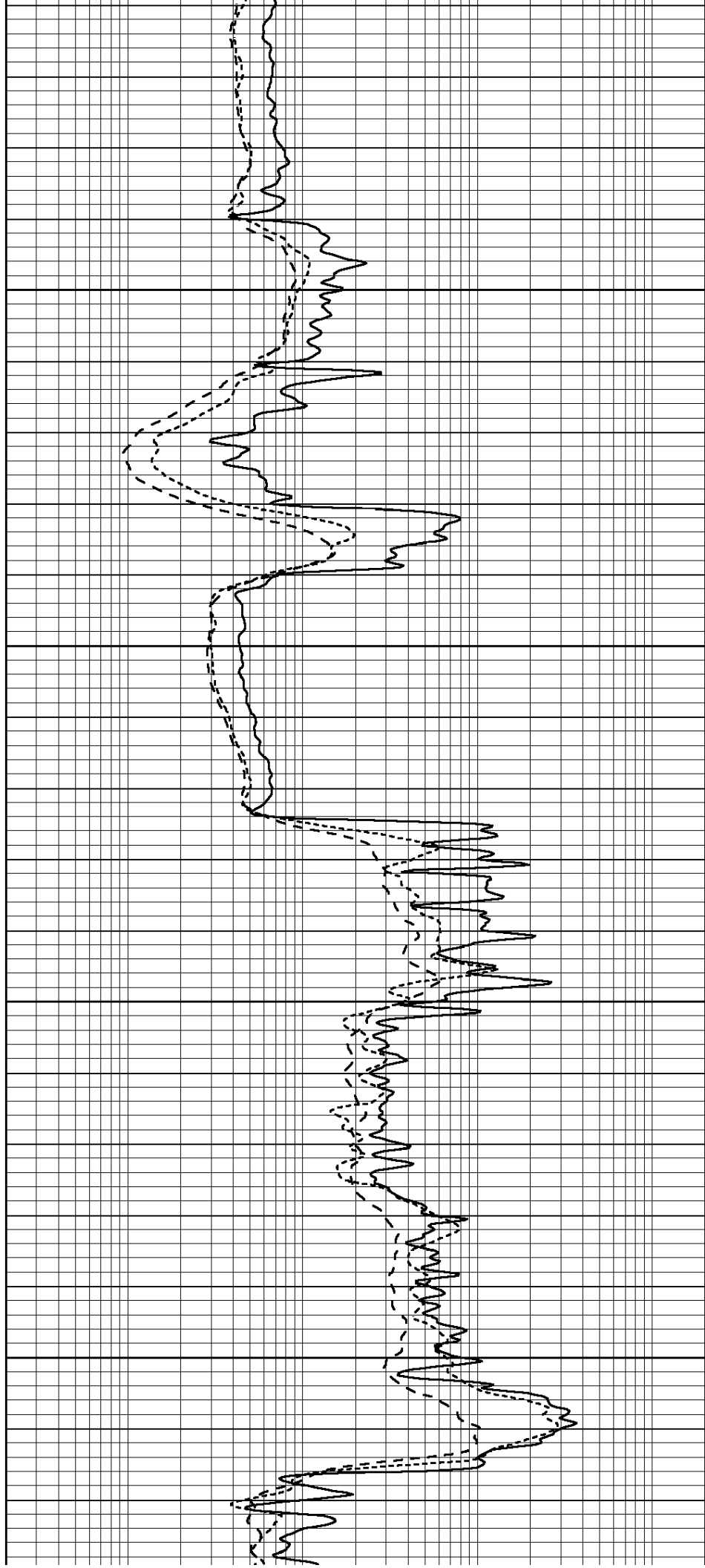


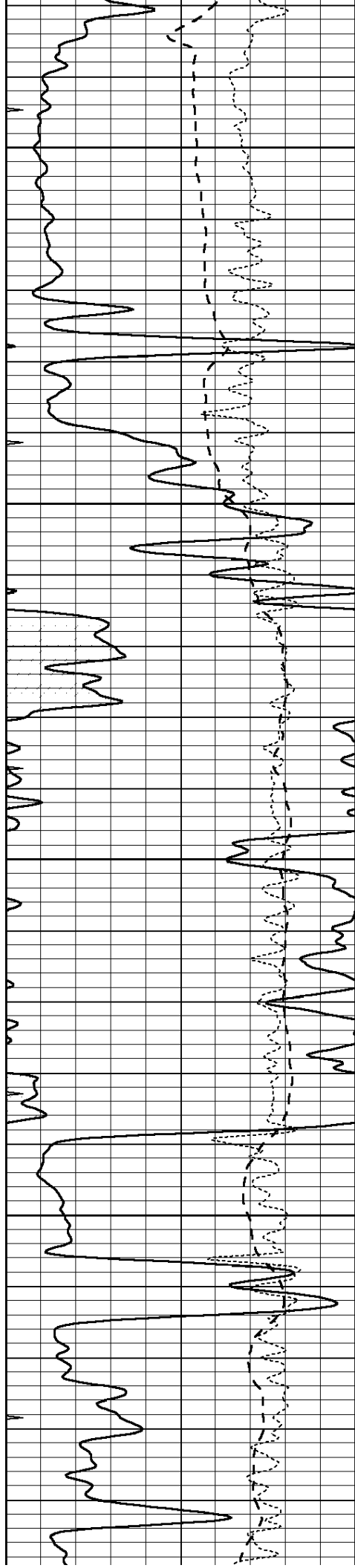
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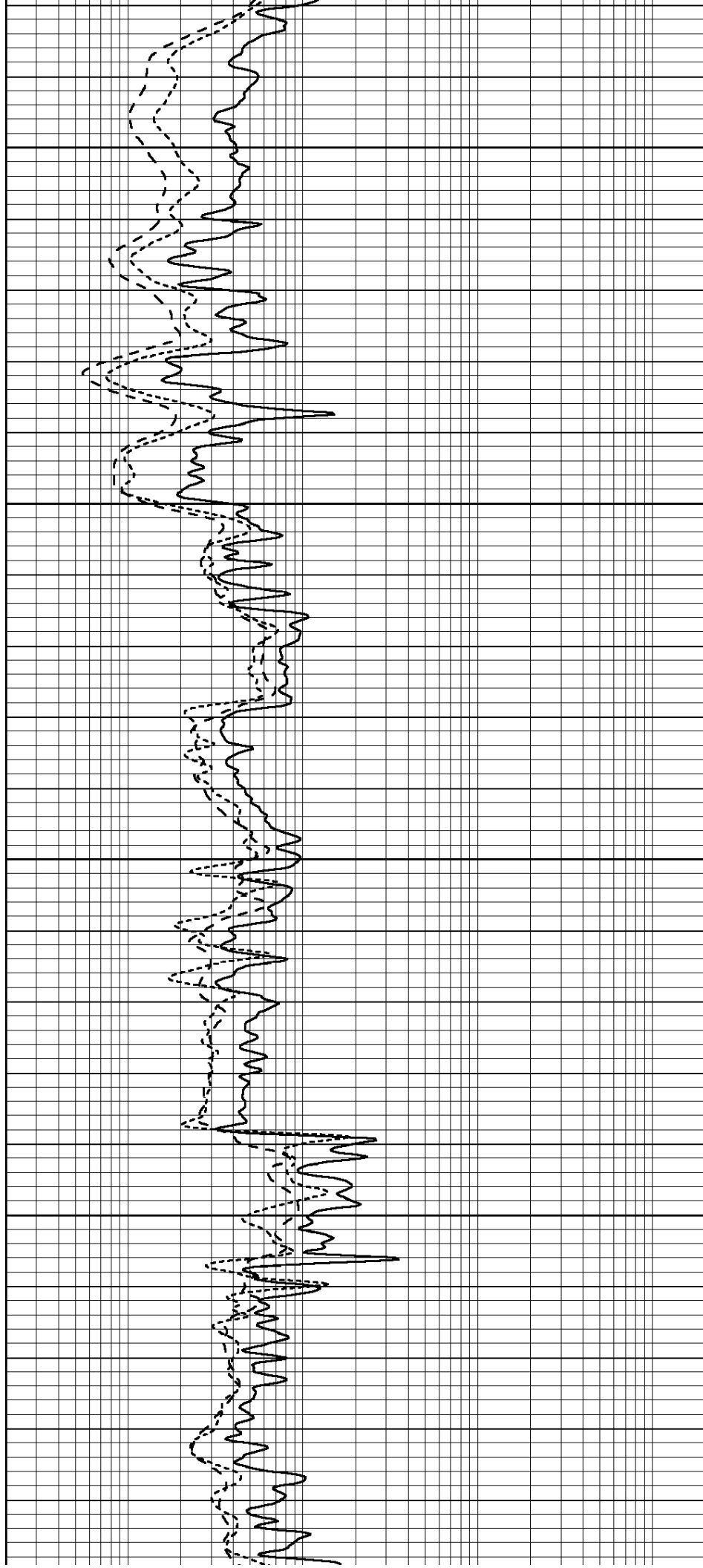


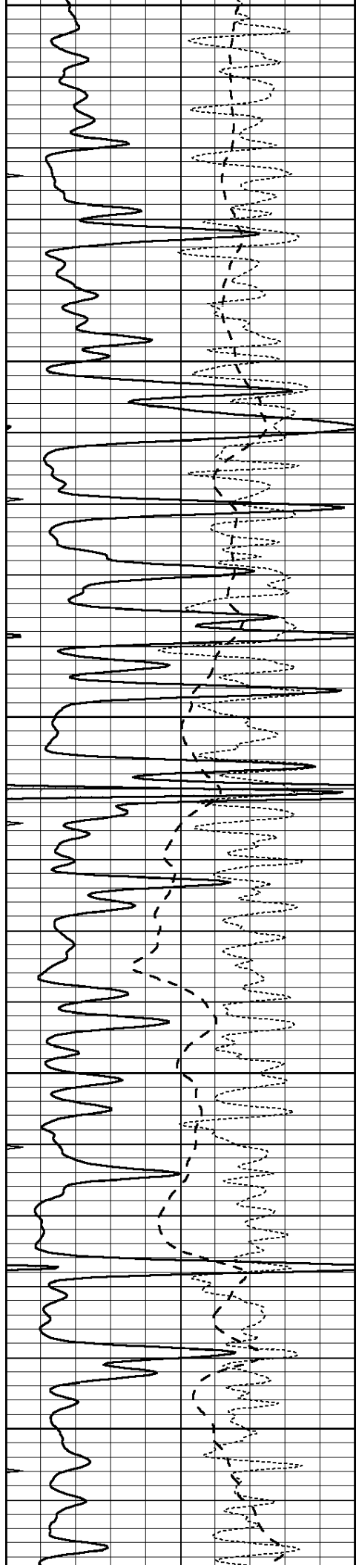
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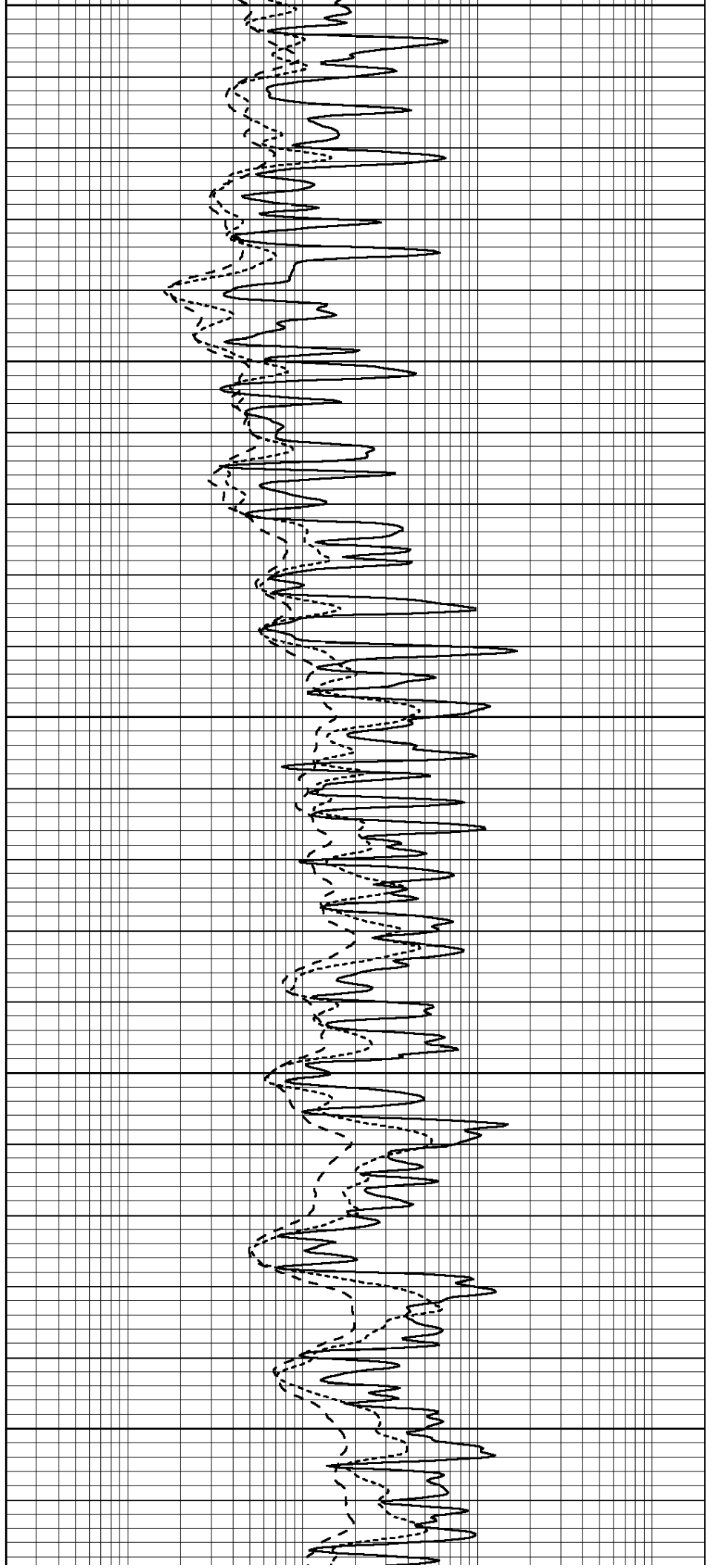
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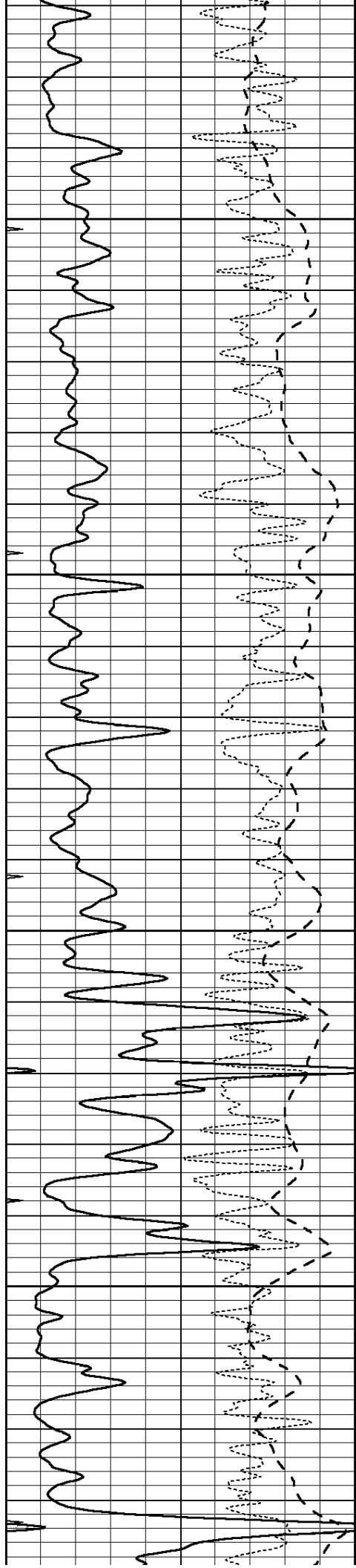
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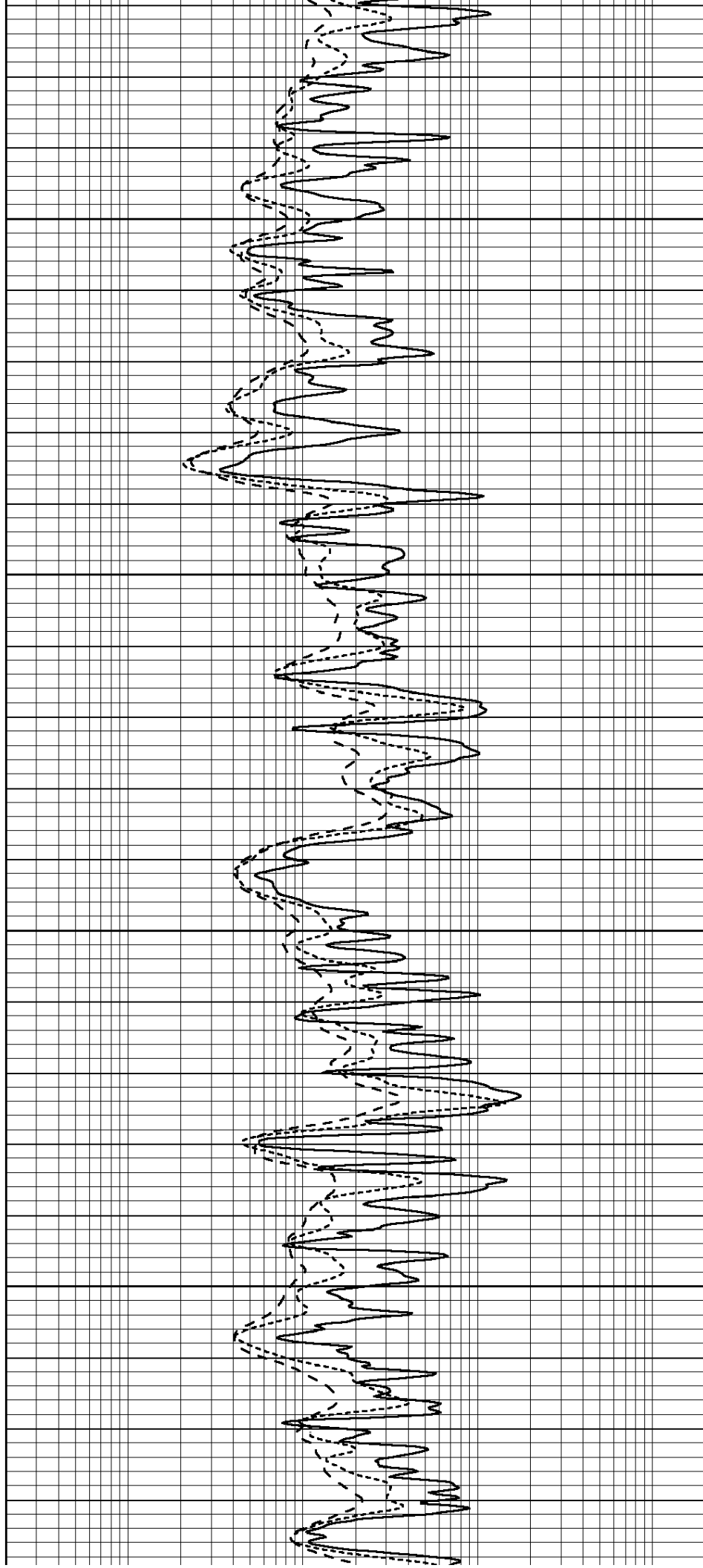


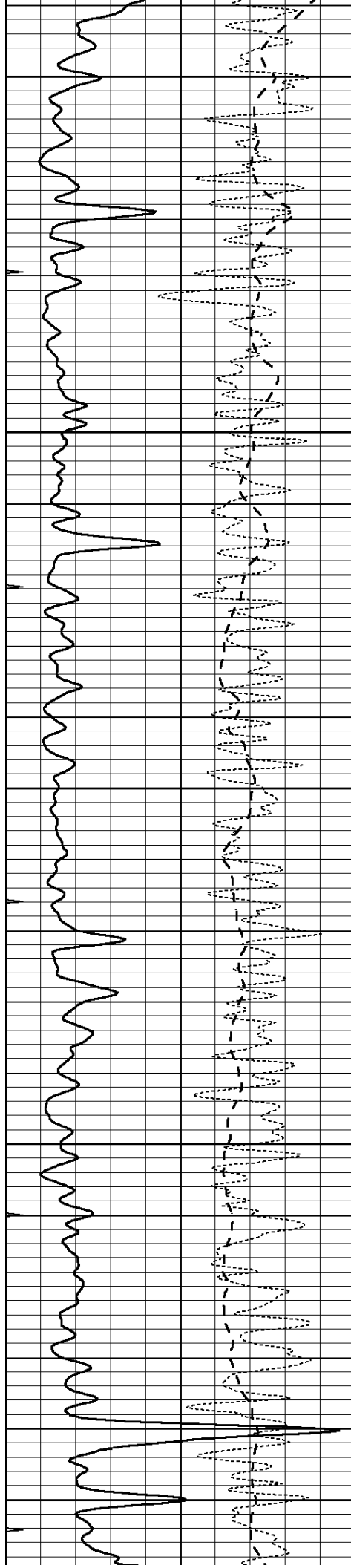
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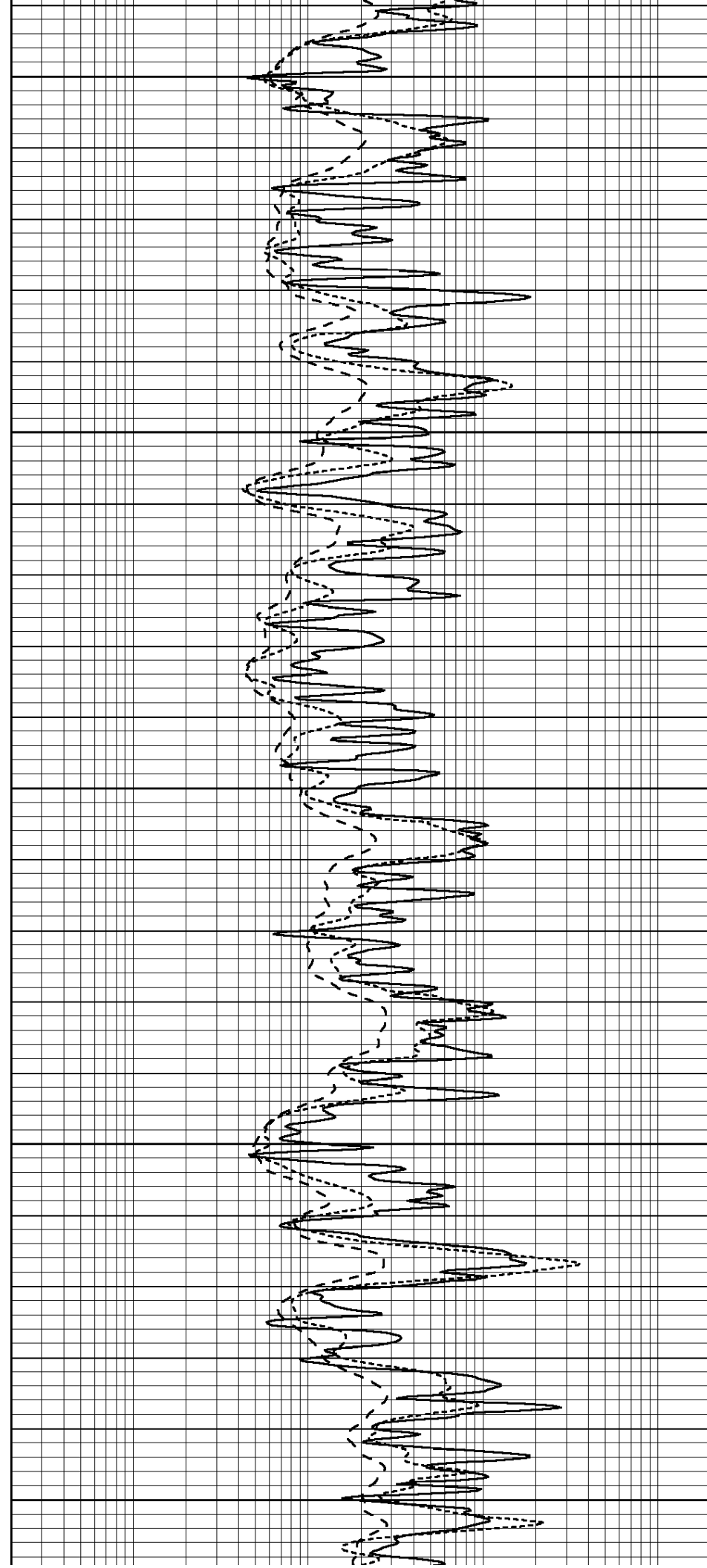
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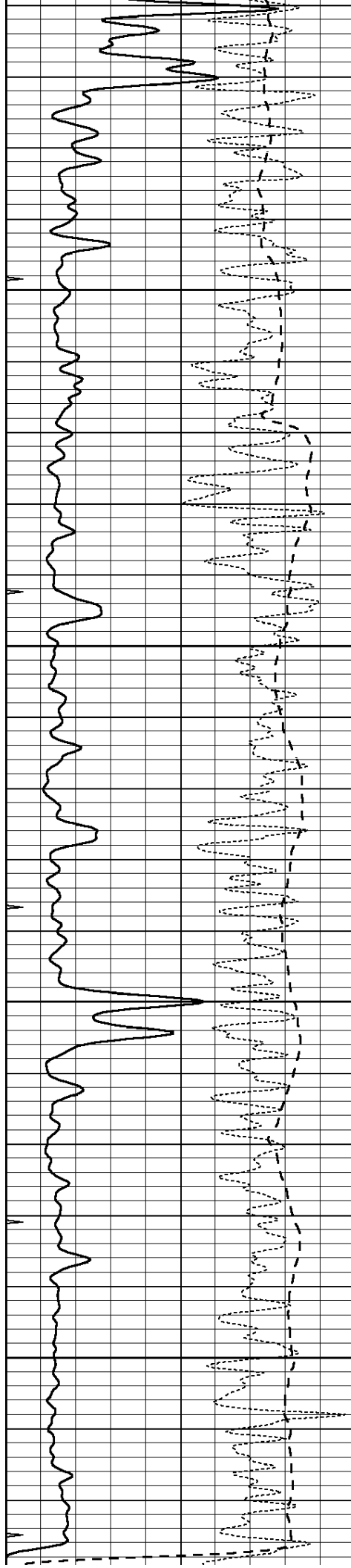
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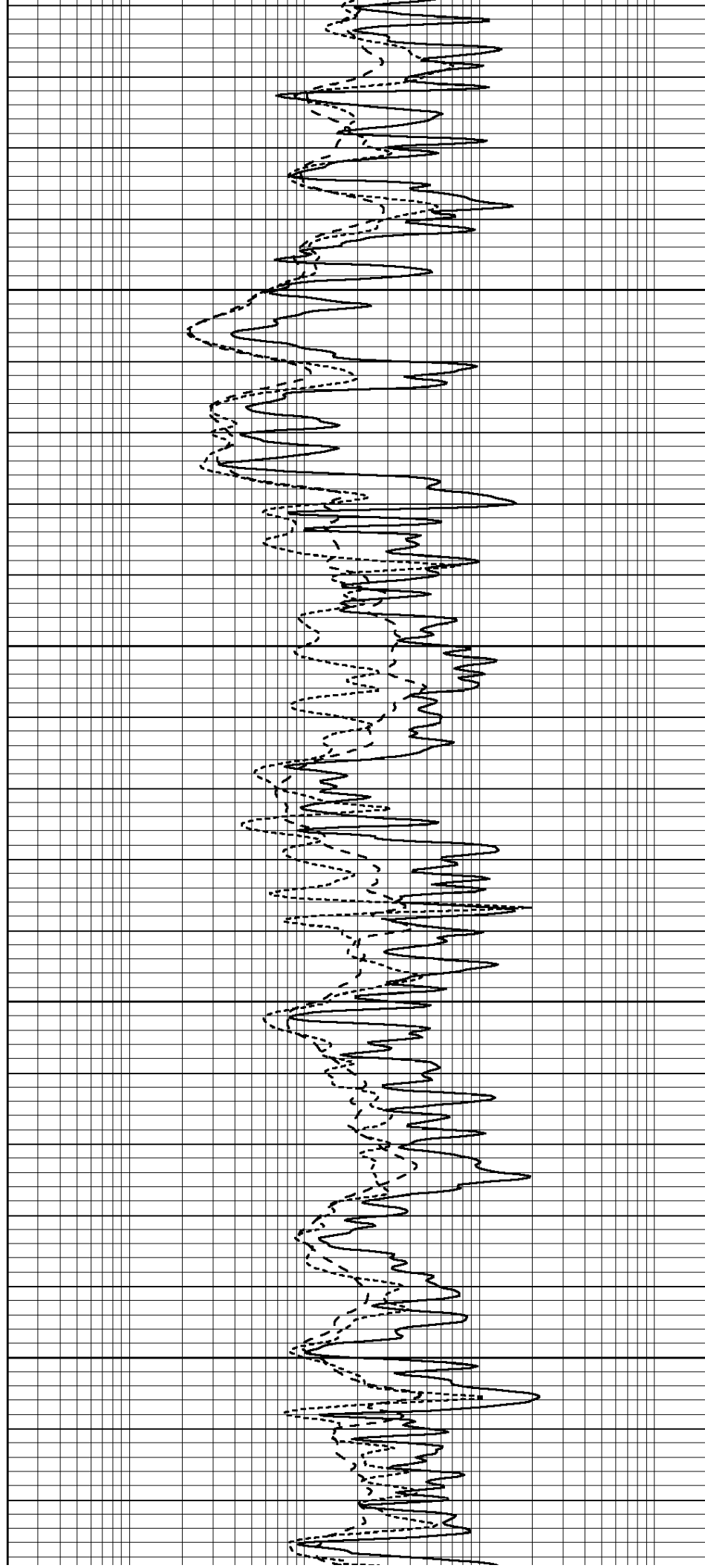


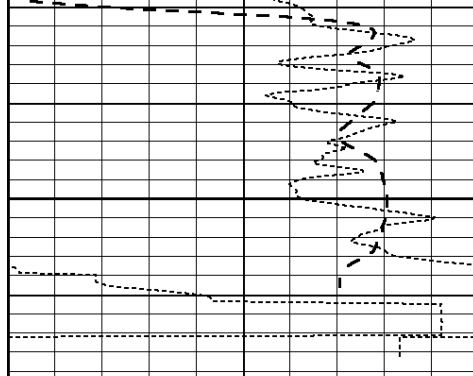
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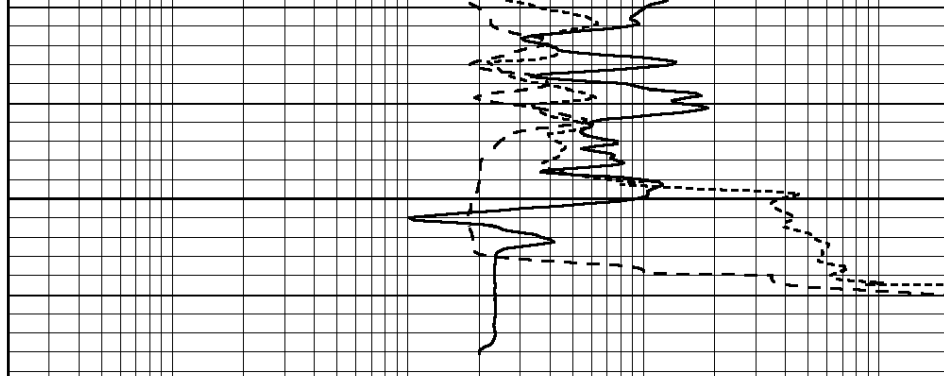
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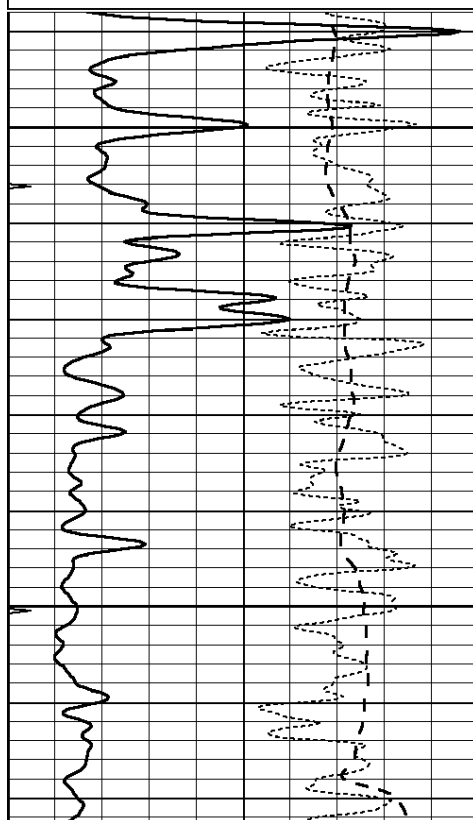
**COMPLETION
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REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

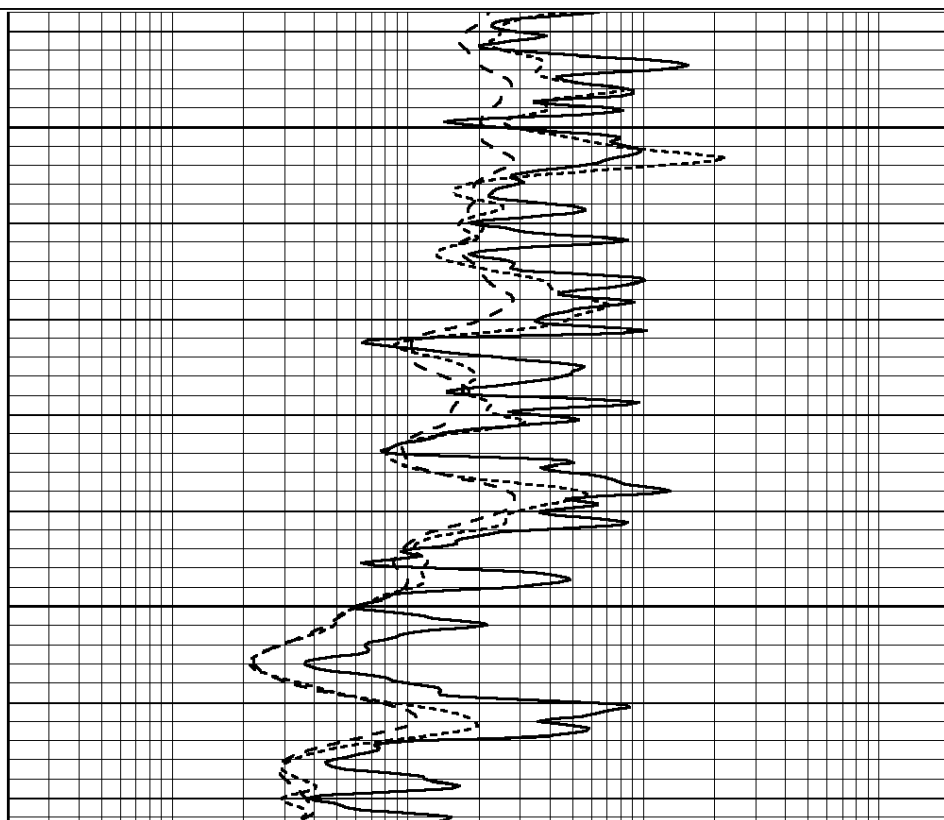
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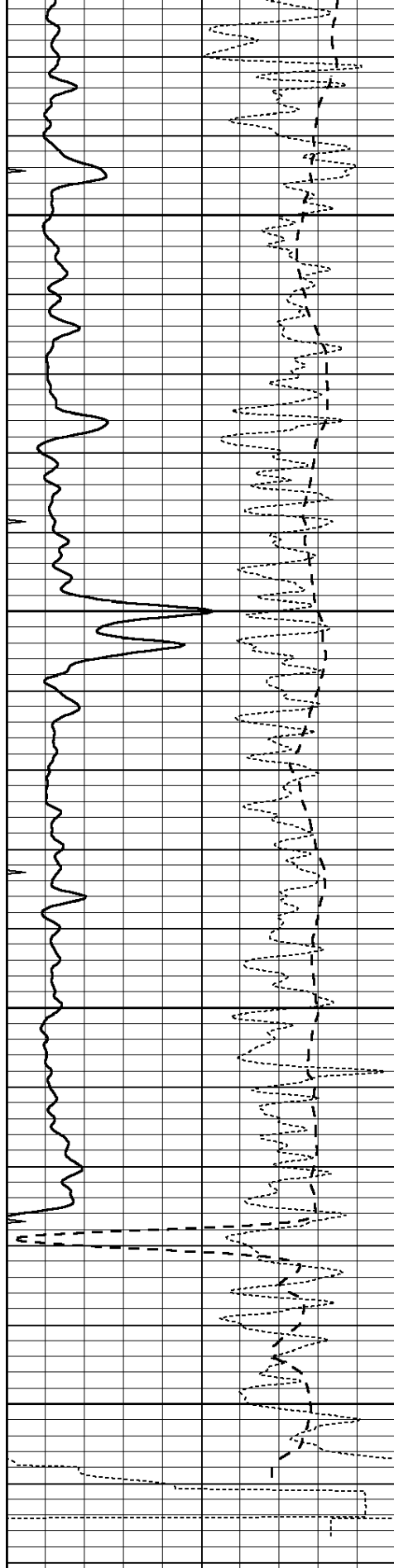
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0.2	DEEP INDUCTION (Ohm-m)	2000
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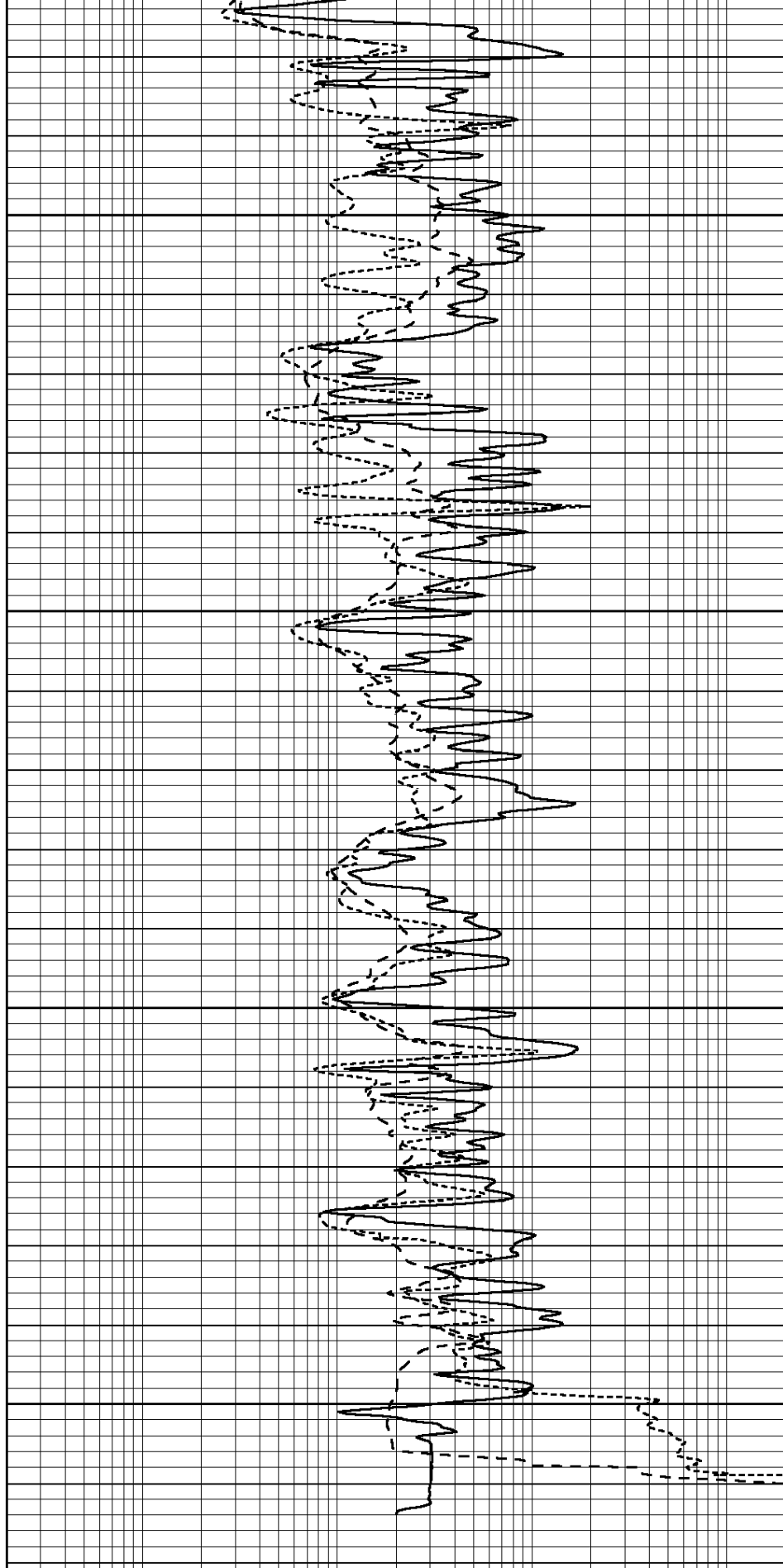
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-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



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