



VDL CCL GAMMA-RAY CEMENT BOND LOG

Pioneer Energy Services

Company CONOCO PHILLIPS
Well MORAN TRUST 2 1
Field
County ARAPAHOE State COLORADO

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Field
County ARAPAHOE
State COLORADO

Location: API # : 0500507207
LAT: 39 DEG 38' 30.14" N
LONG: 104 DEG 30' 59.86" W
SEC 02 TWP 05 RGE 64
Permanent Datum GL Elevation 5975'
Log Measured From KB
Drilling Measured From KB
Other Services
GUAGE RING
5.95"
Elevation
K.B. 5999'
D.F. 5998'
G.L. 5975'

Date 9/24/13
Run Number ONE
Depth Driller 8015'
Depth Logger 7878'
Bottom Logged Interval 7860'
Top Log Interval SURFACE
Open Hole Size 8.75"
Type Fluid WATER
Density / Viscosity NA
Max. Recorded Temp. 230
Estimated Cement Top 3200'
Time Well Ready NA
Time Logger on Bottom NA
Equipment Number 9605
Location FT MORGAN
Recorded By TODD YOUNG
Witnessed By RONNIE RIVERA

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Surface String	Prot. String	Production String	Liner
	Size	Wgt/Ft	Top	Bottom
	7"	32#	SURFACE	8015'

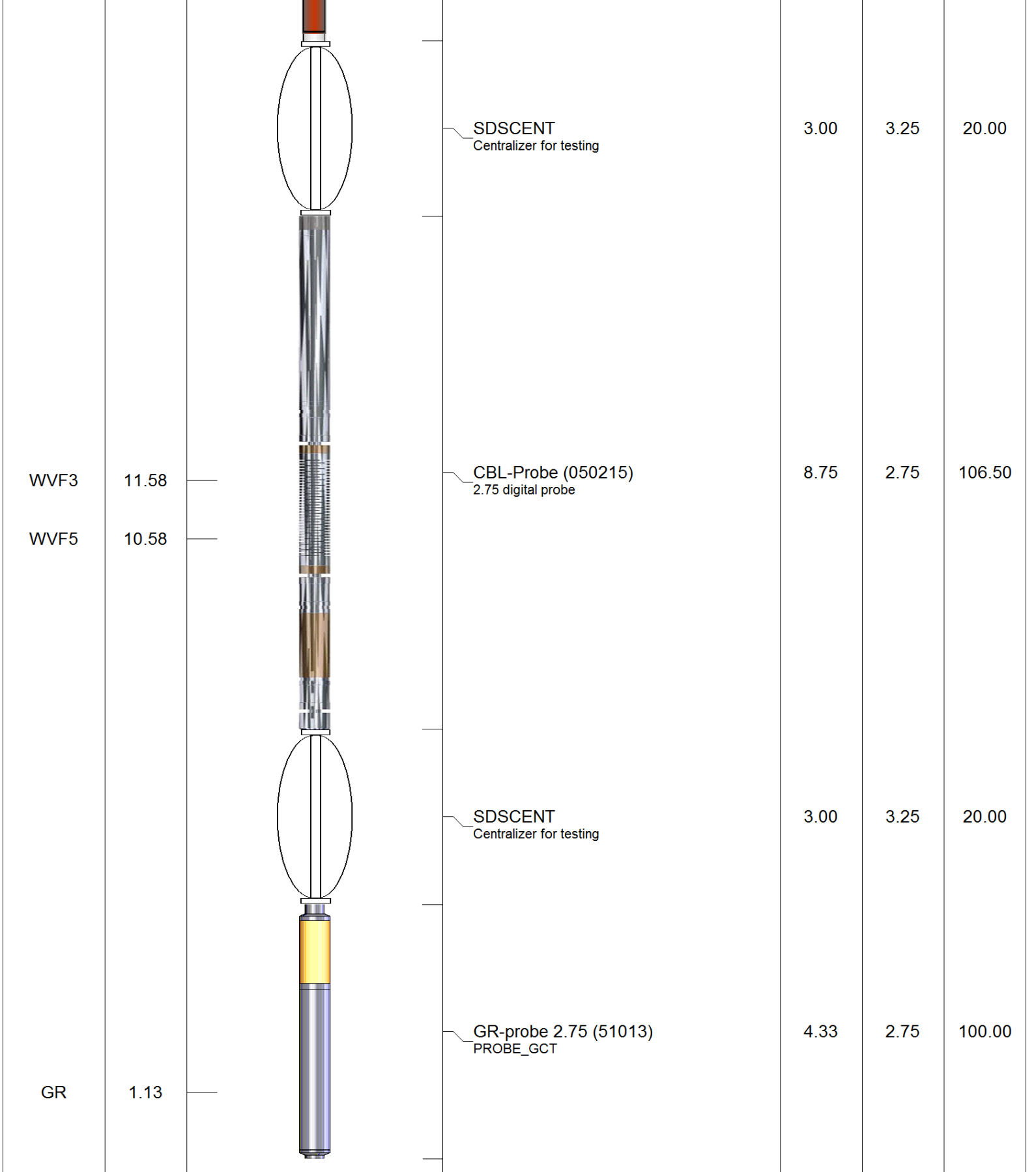
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

SO # 2-204812
THANK YOU FOR USING
PIONEER ENERGY SERVICES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.98		CCL-titan01 (01t)	1.92	2.75	



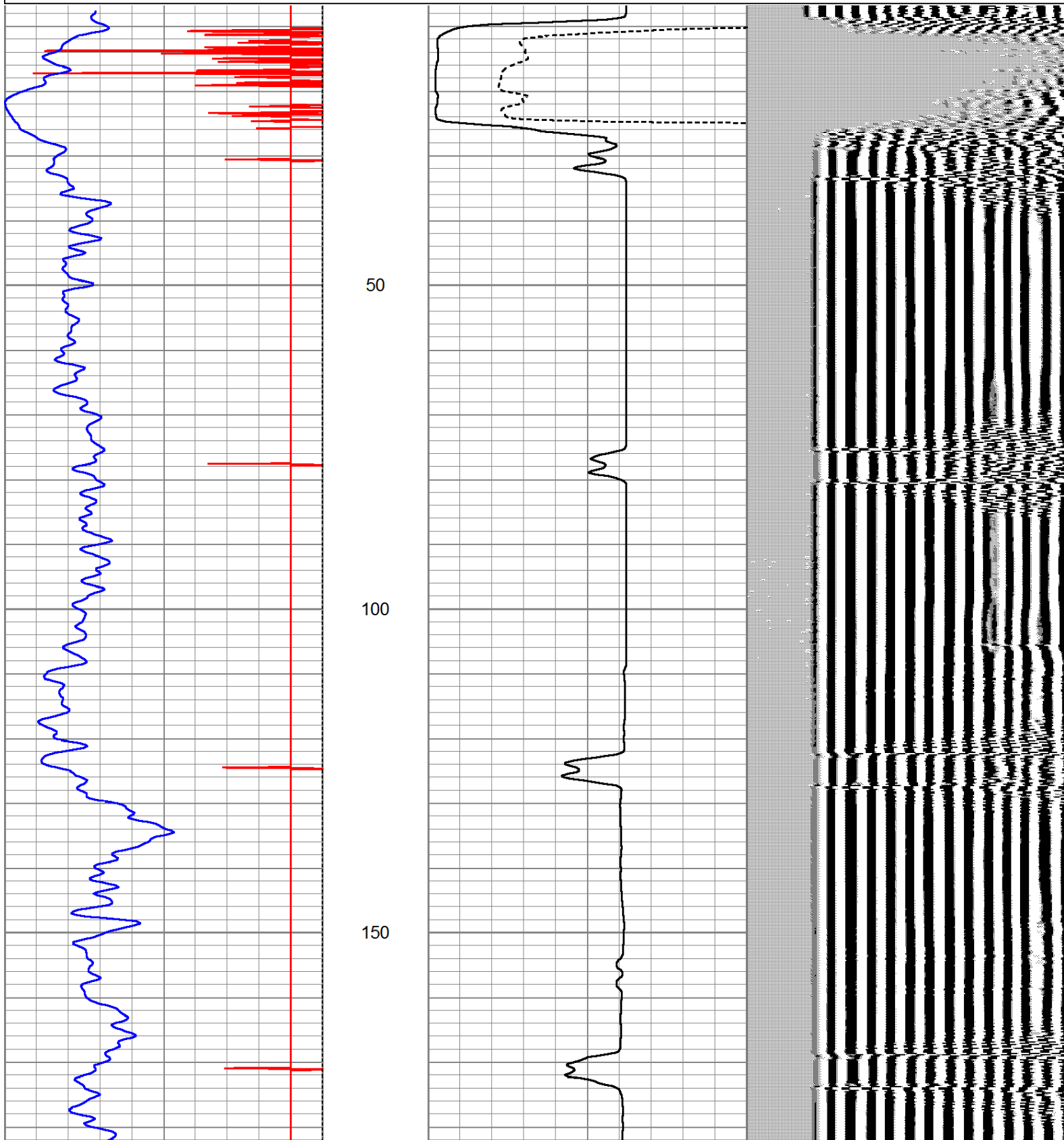
Dataset: moran trust 2-1.db: field/well/run1/pass5
 Total Length: 21.00 ft
 Total Weight: 246.50 lb
 O.D. 3.25 in



LOGGED UNDER 500 PSI

Database File: moran trust 2-1.db
 Dataset Pathname: pass5
 Presentation Format: cbl_dr
 Dataset Creation: Tue Sep 24 15:49:13 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb)2000	0	Amplitude (mV)	100		





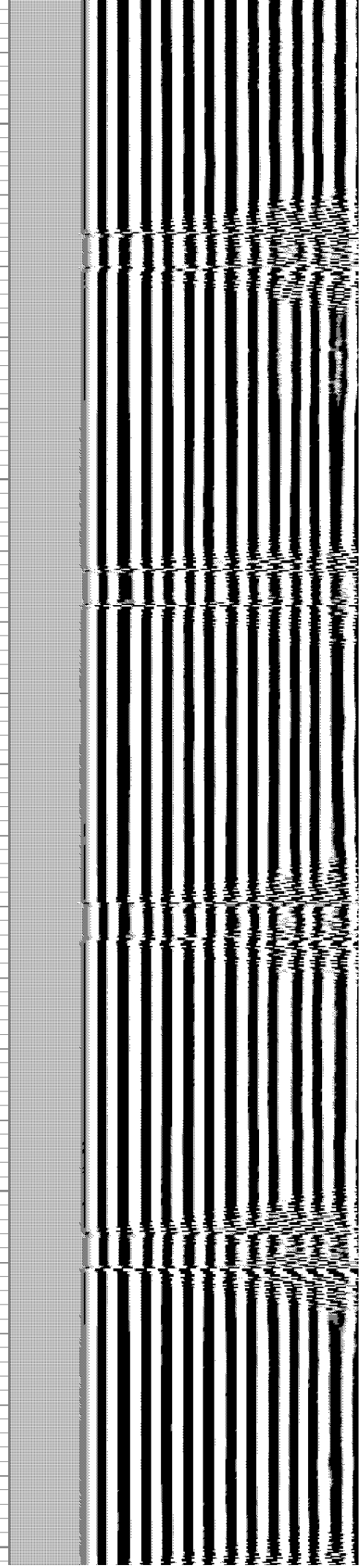
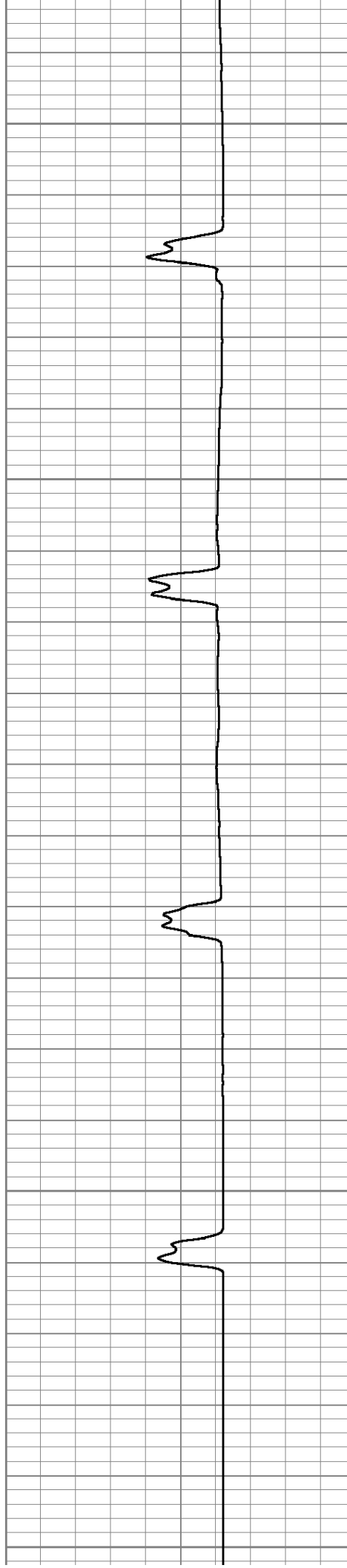
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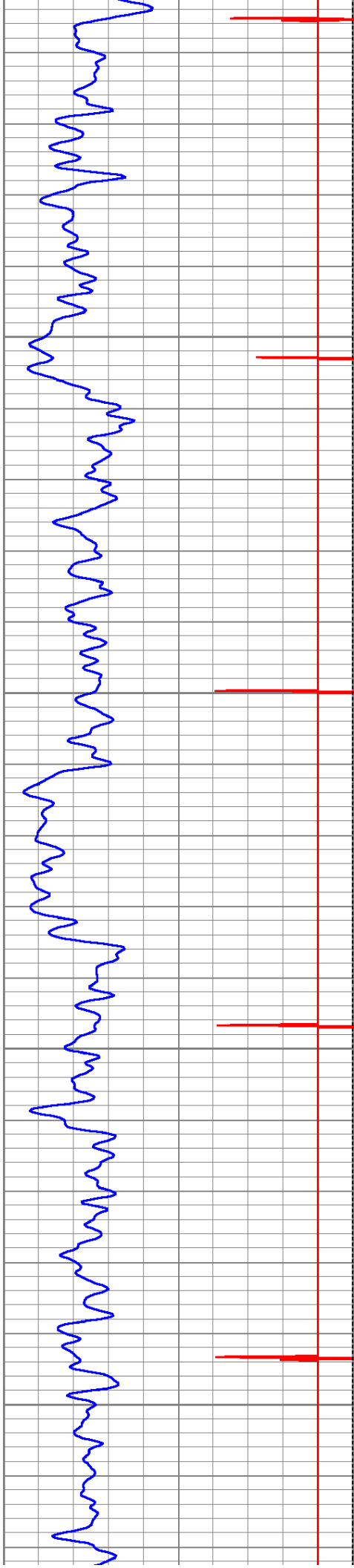
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350

400



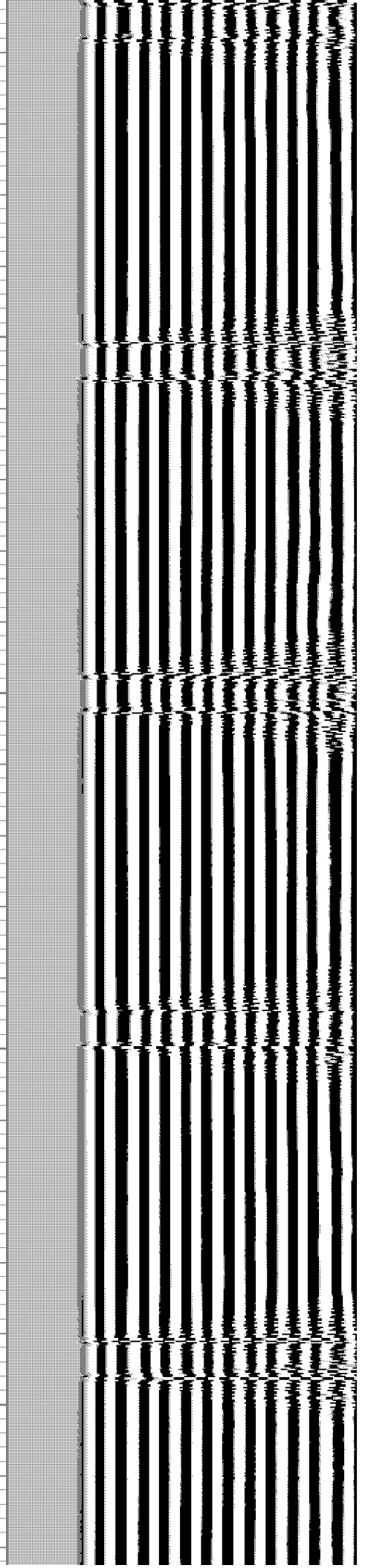
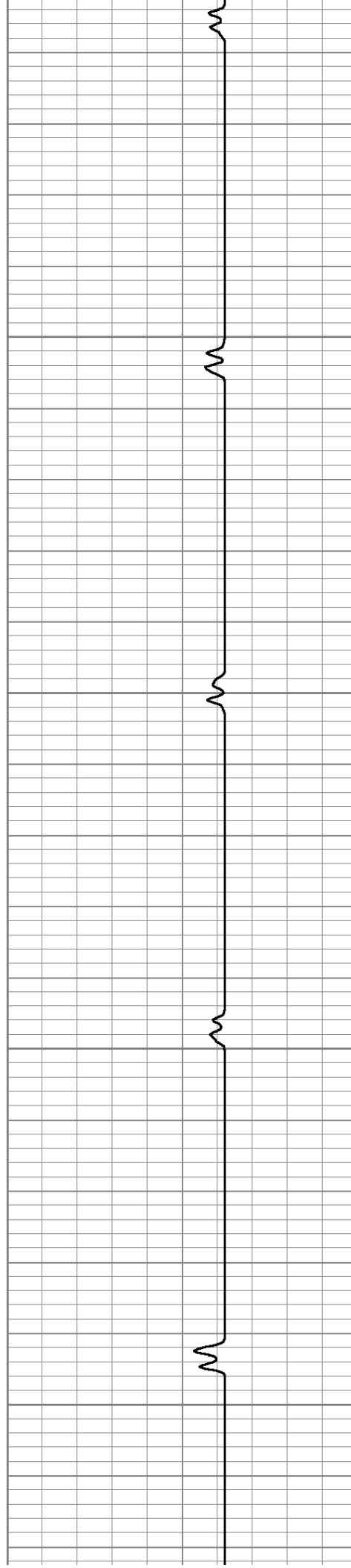


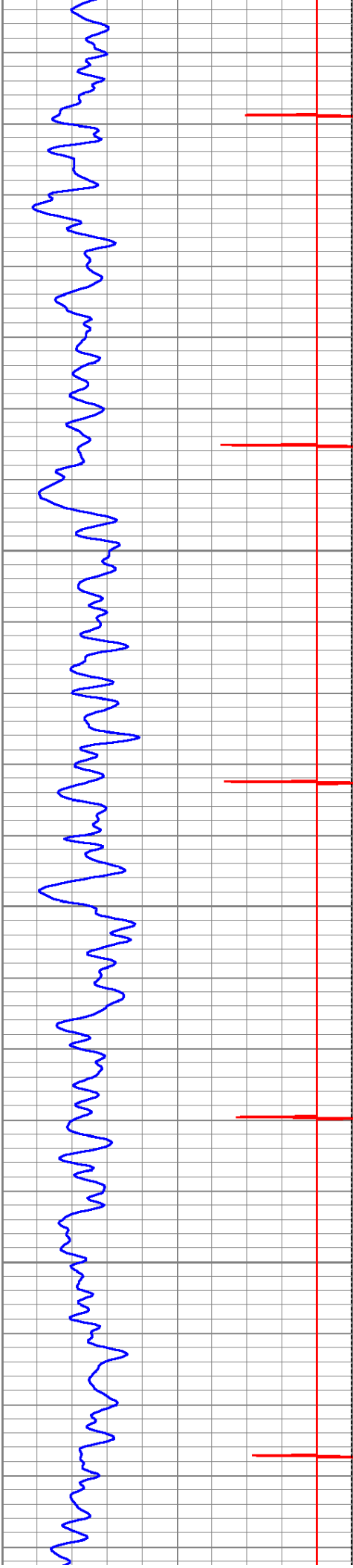
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500

550

600



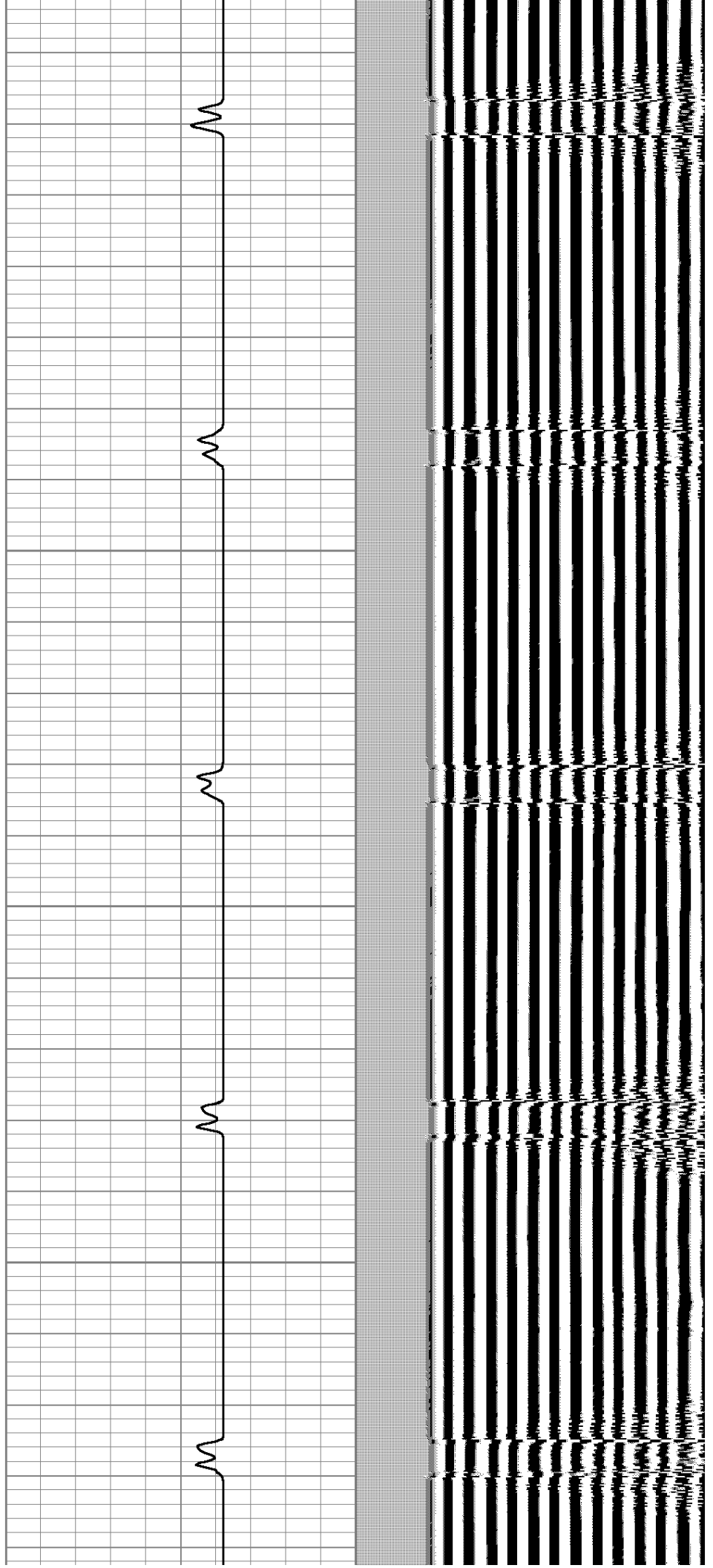


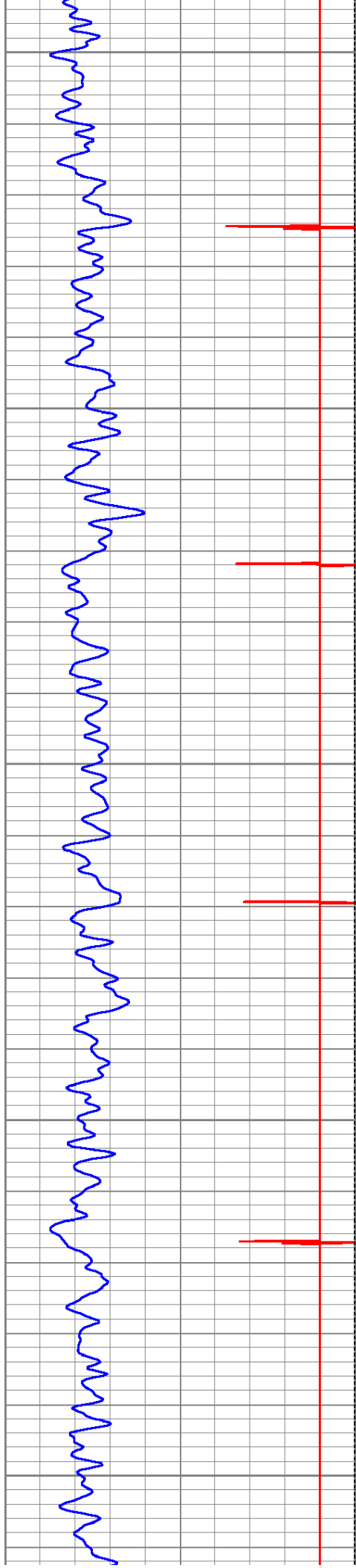
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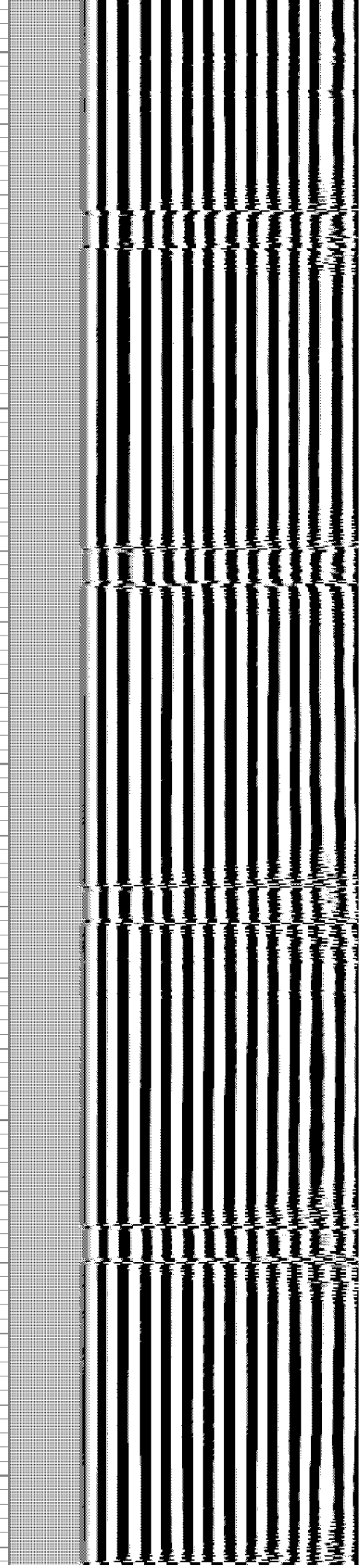
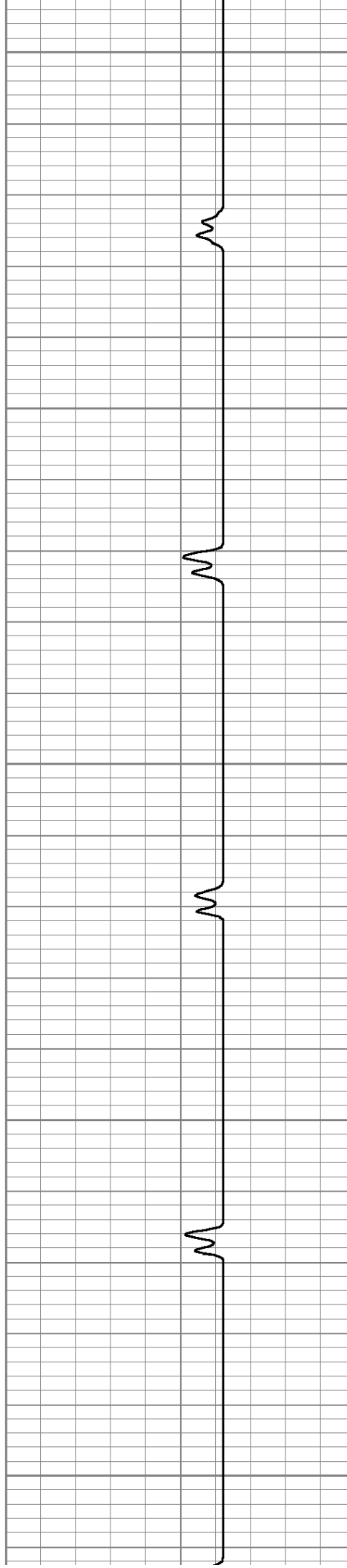
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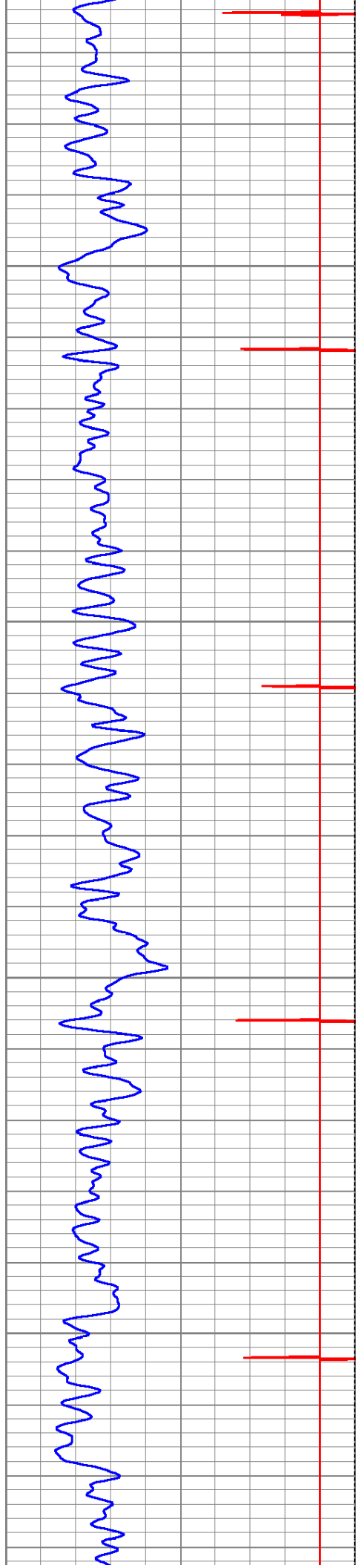
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1000

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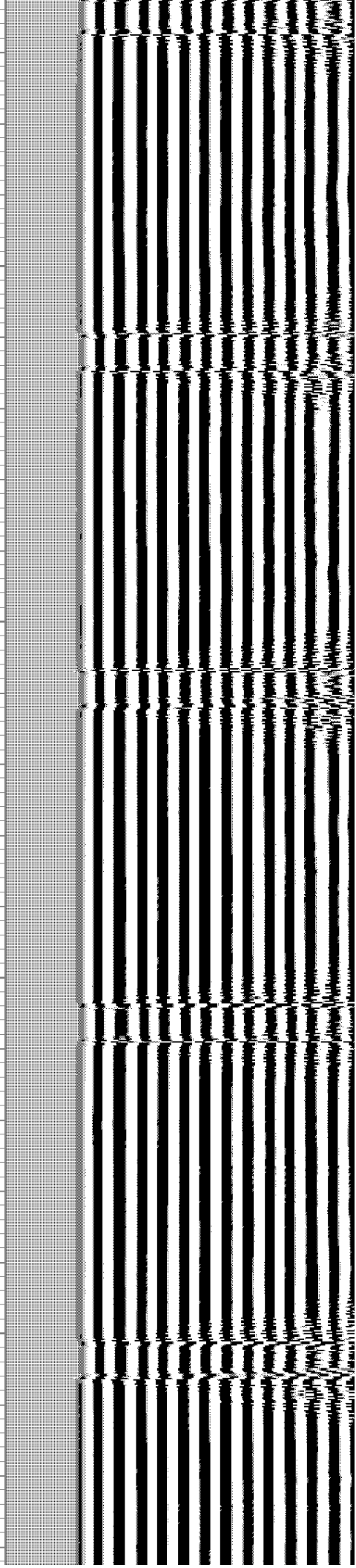
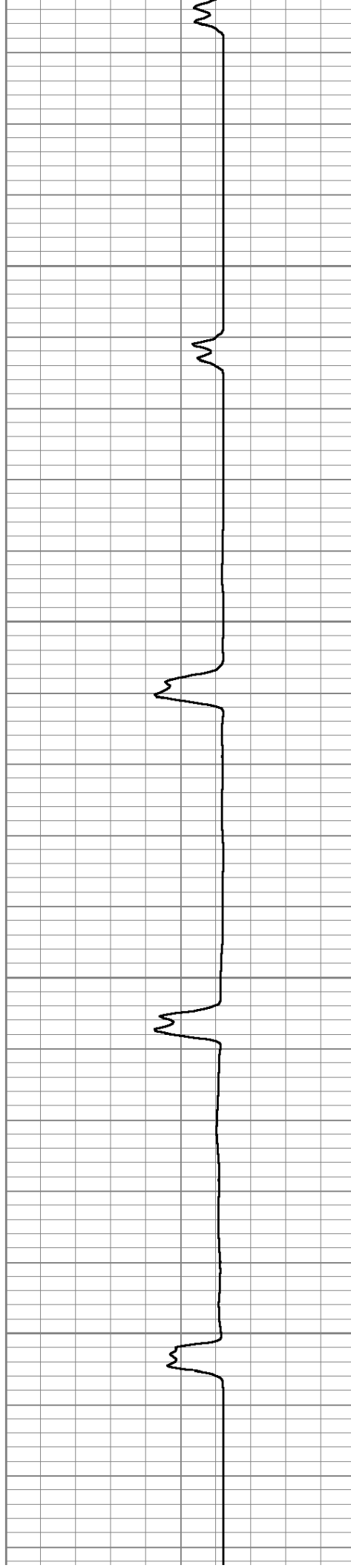


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1250





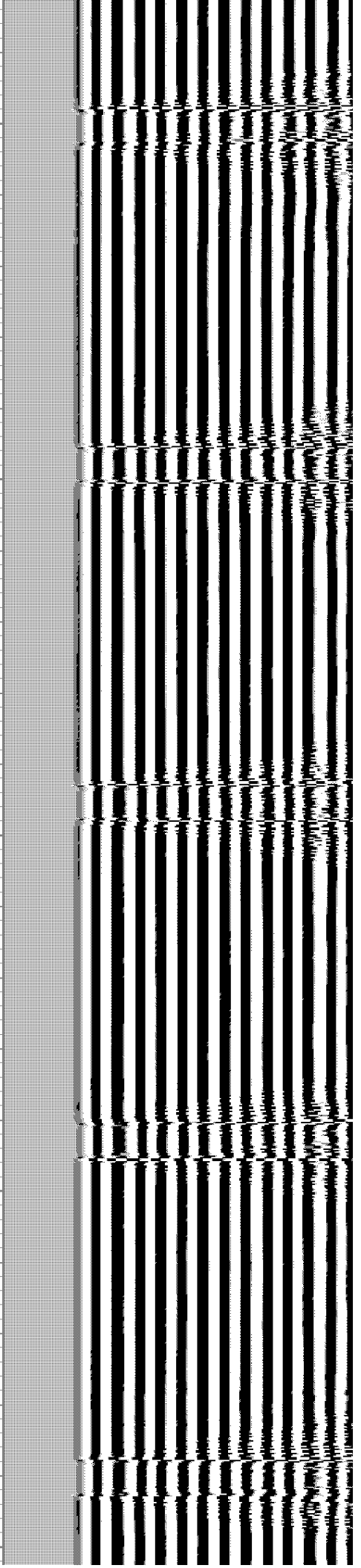
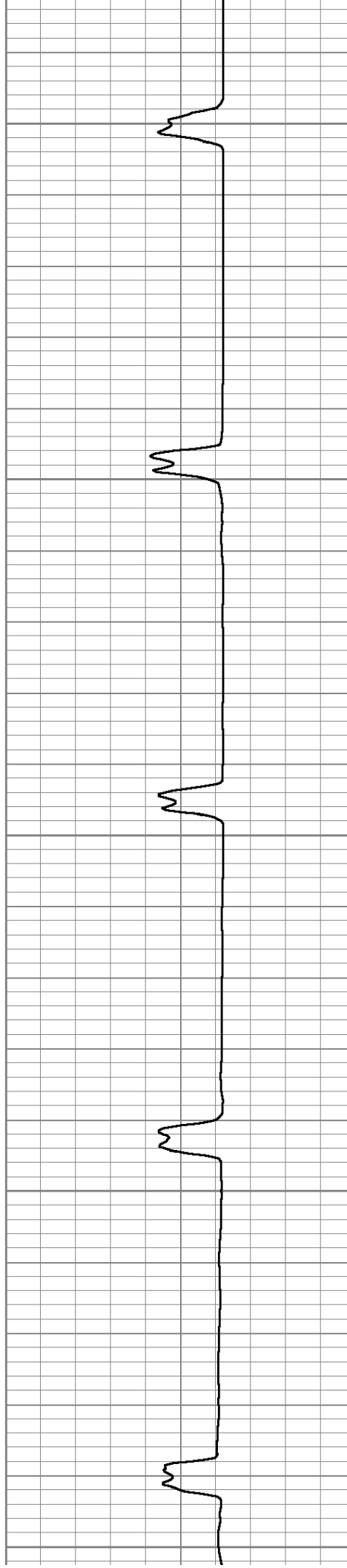
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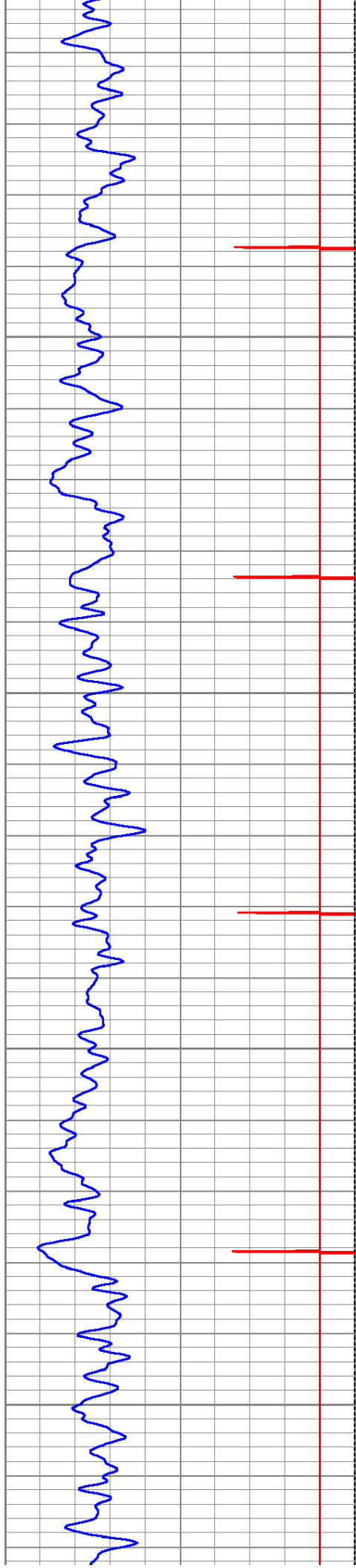
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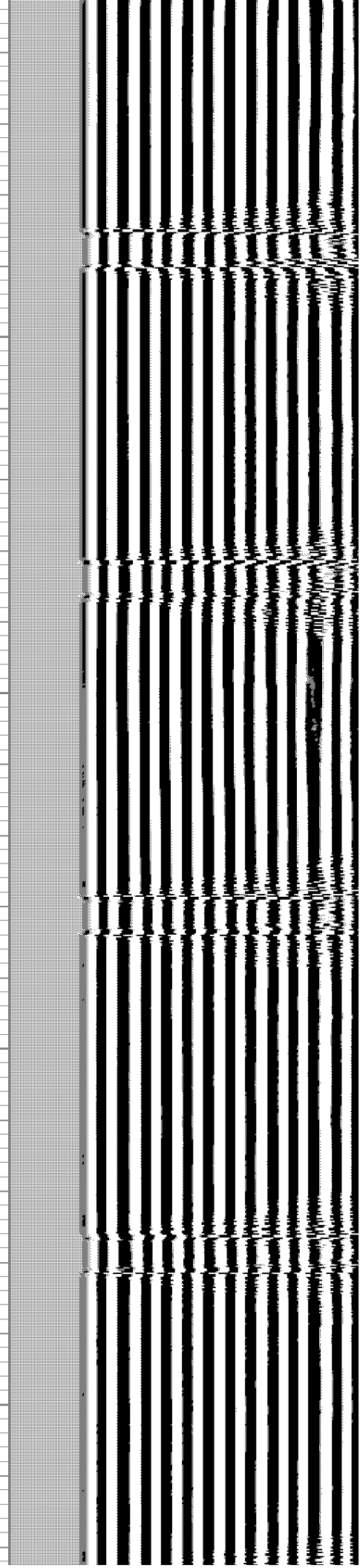
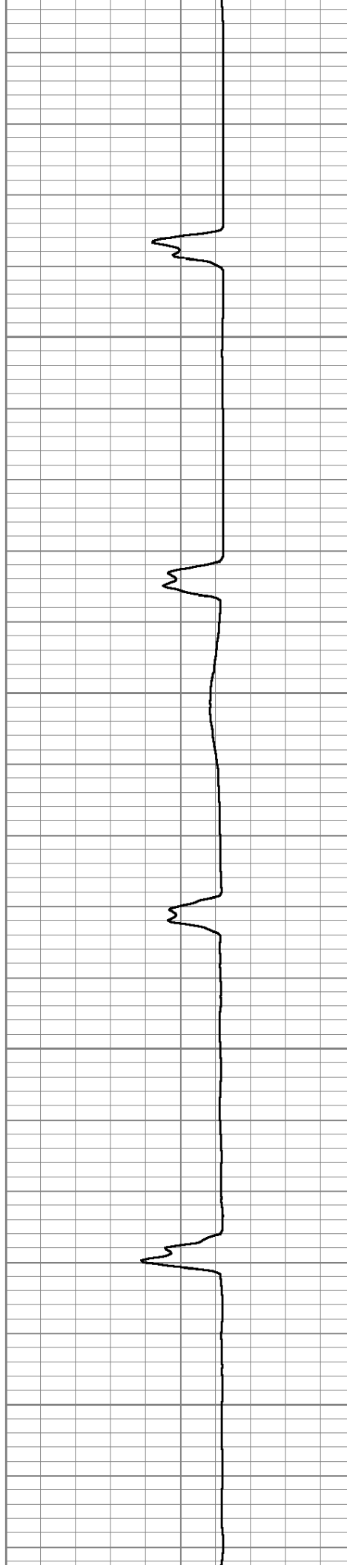


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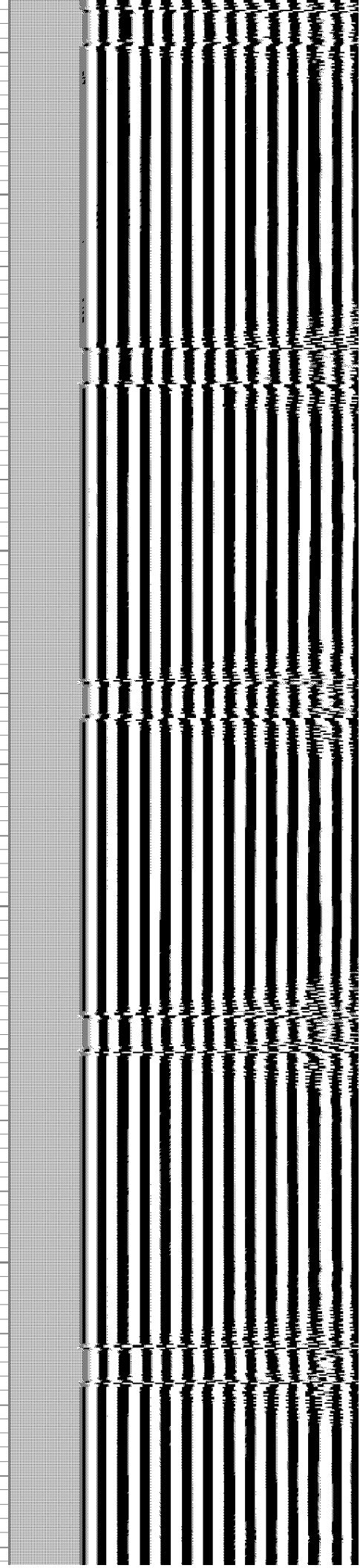
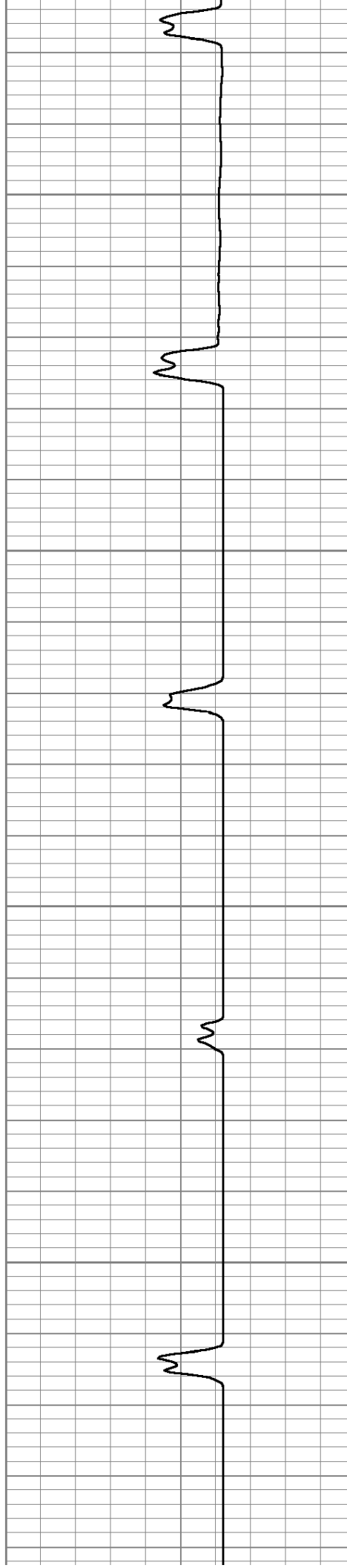


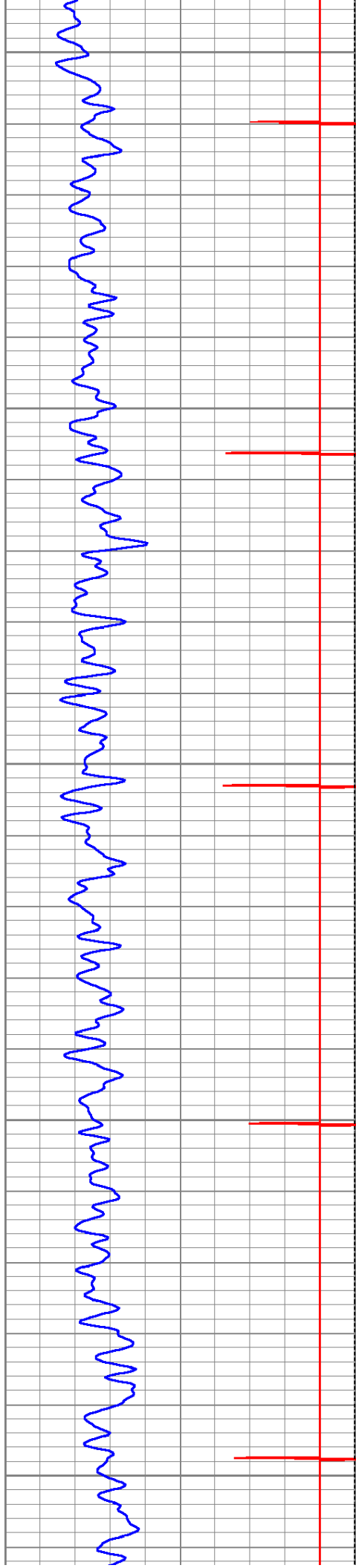
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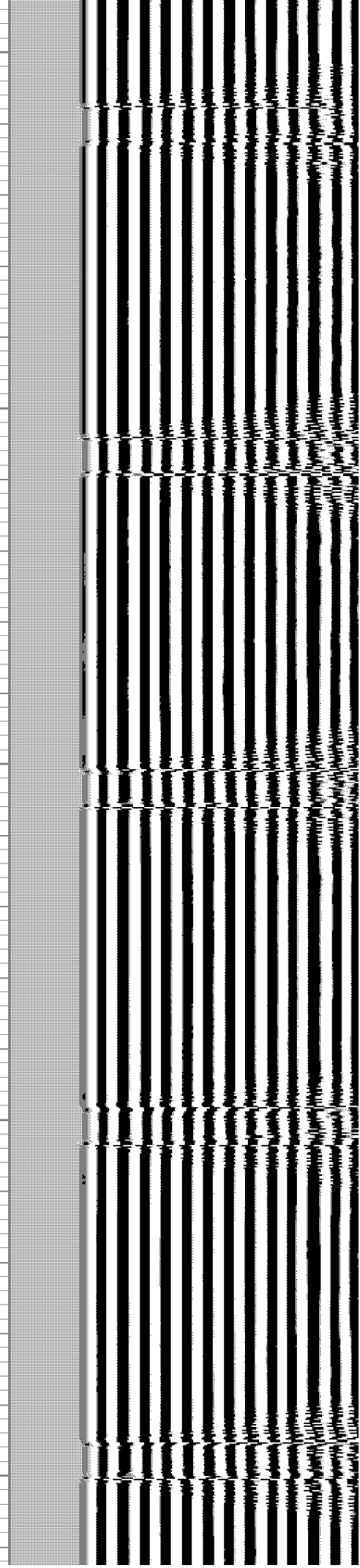
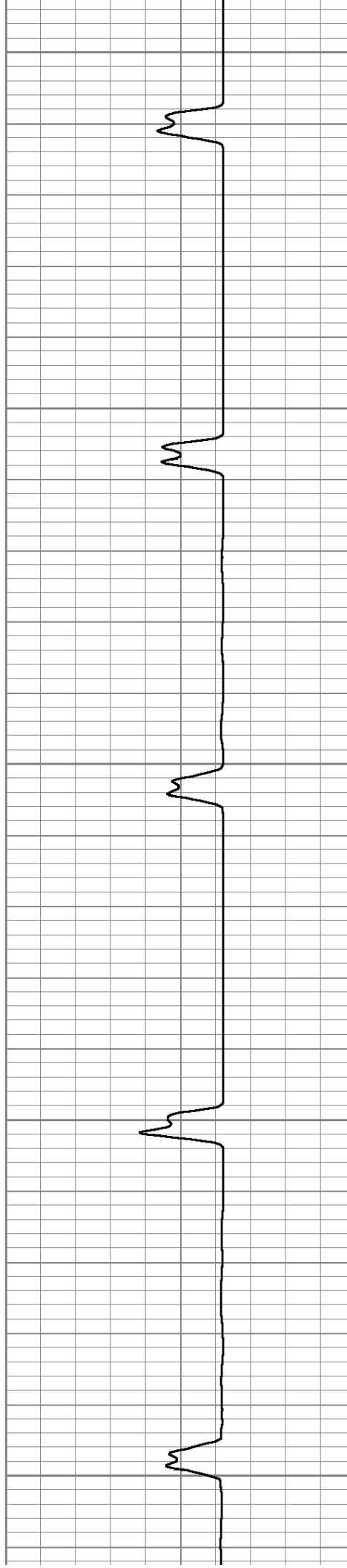
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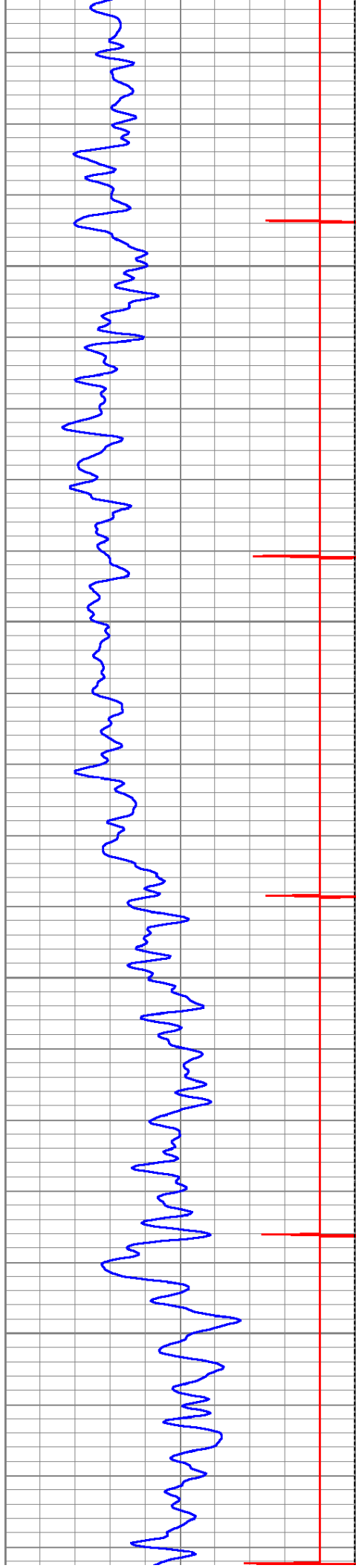
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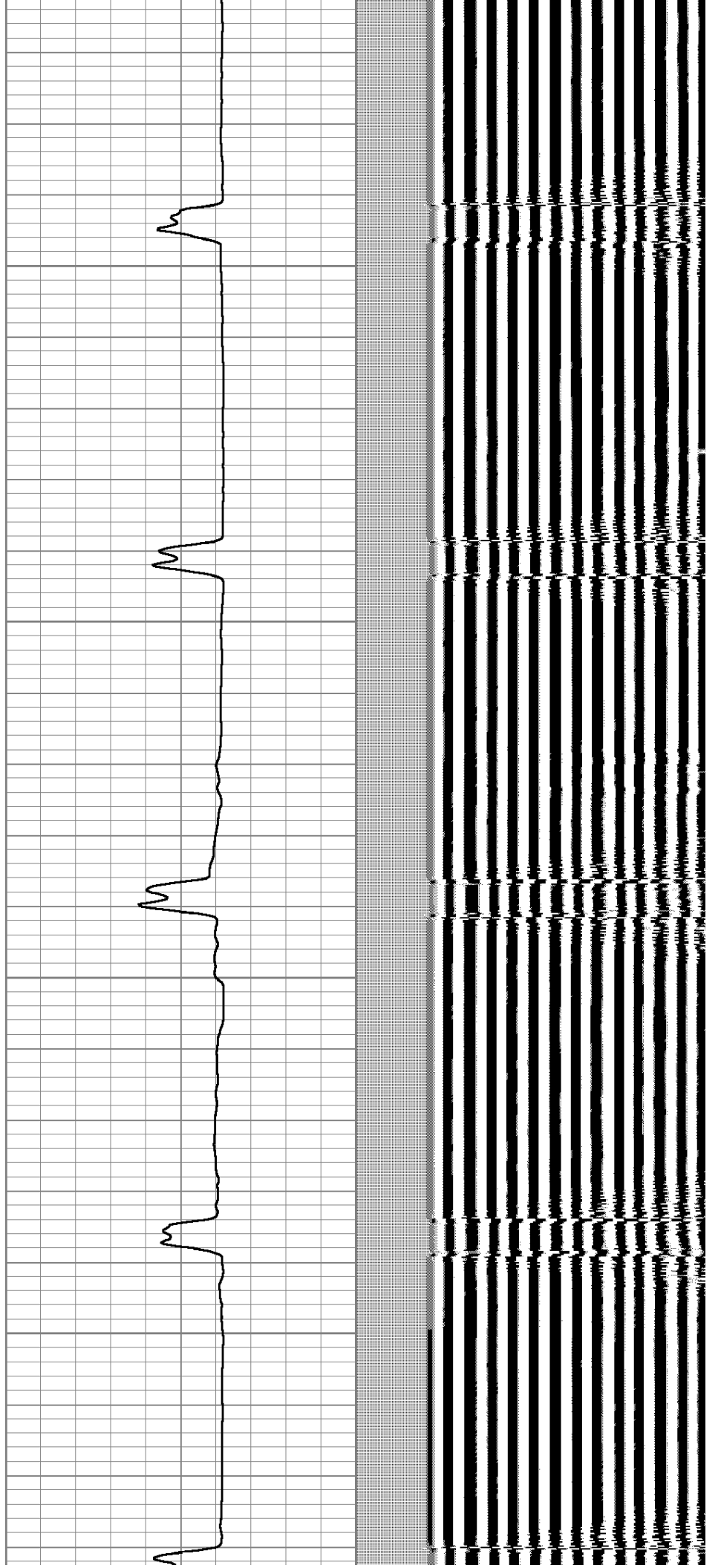


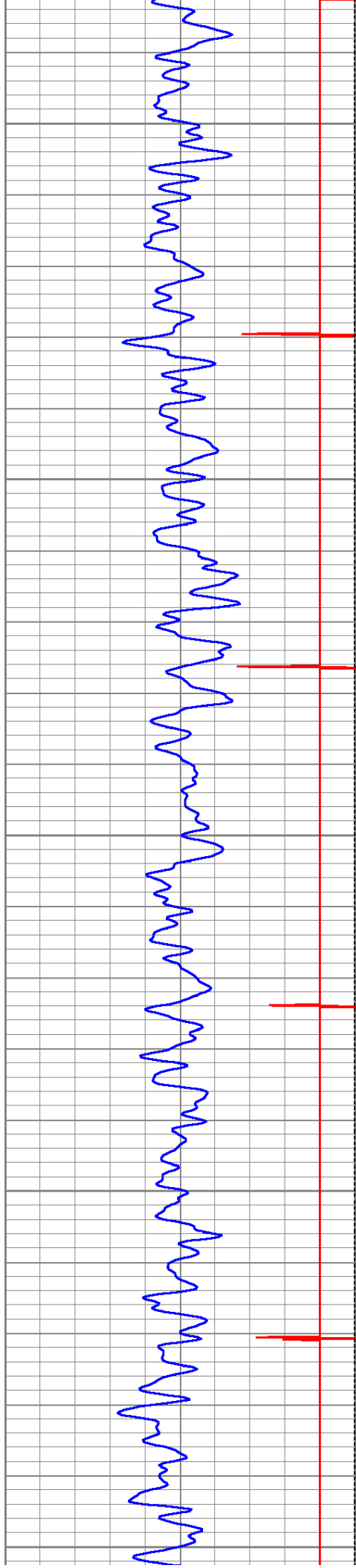
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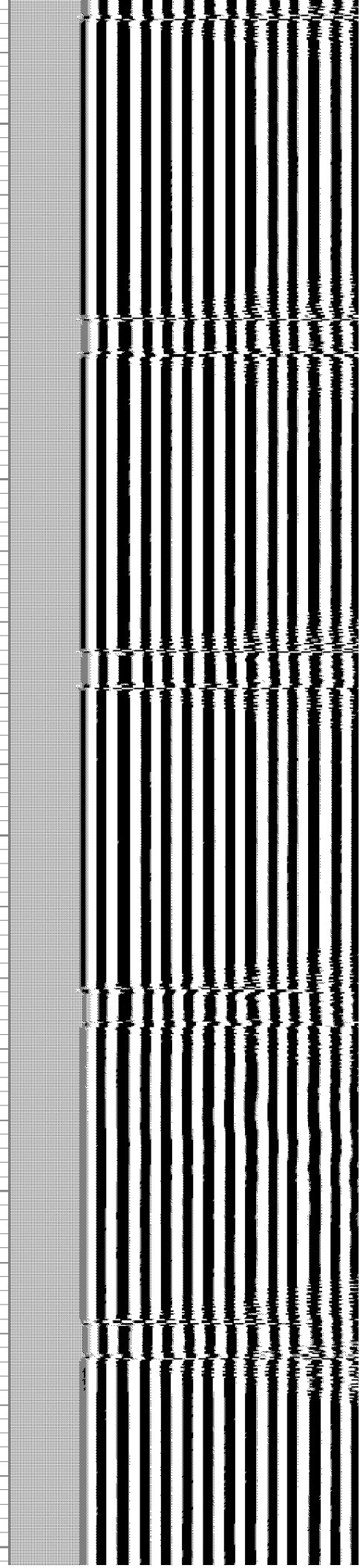
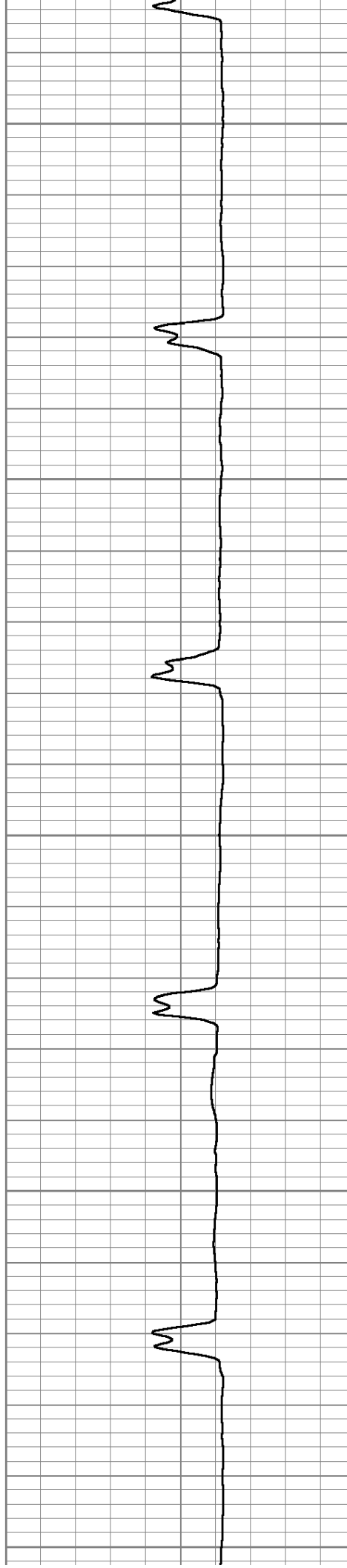
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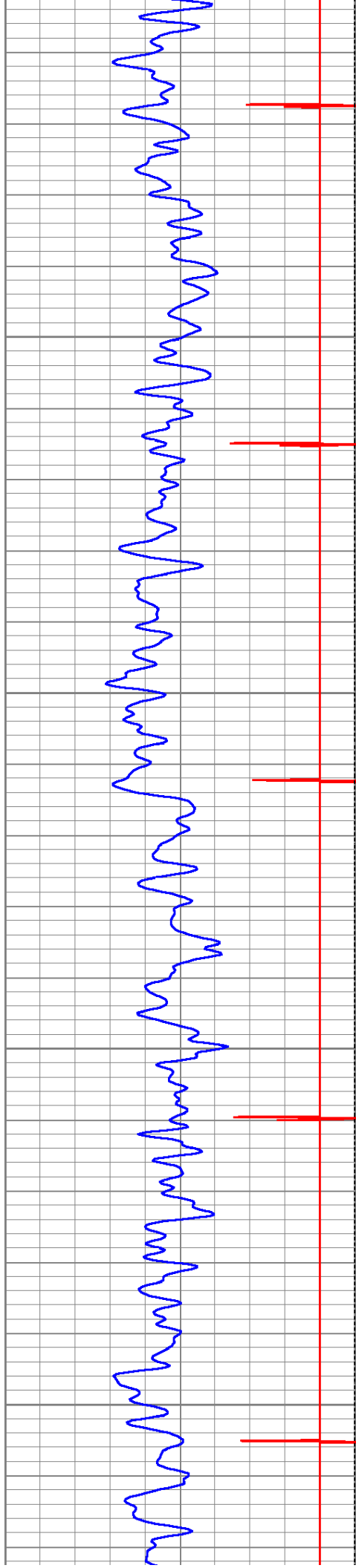
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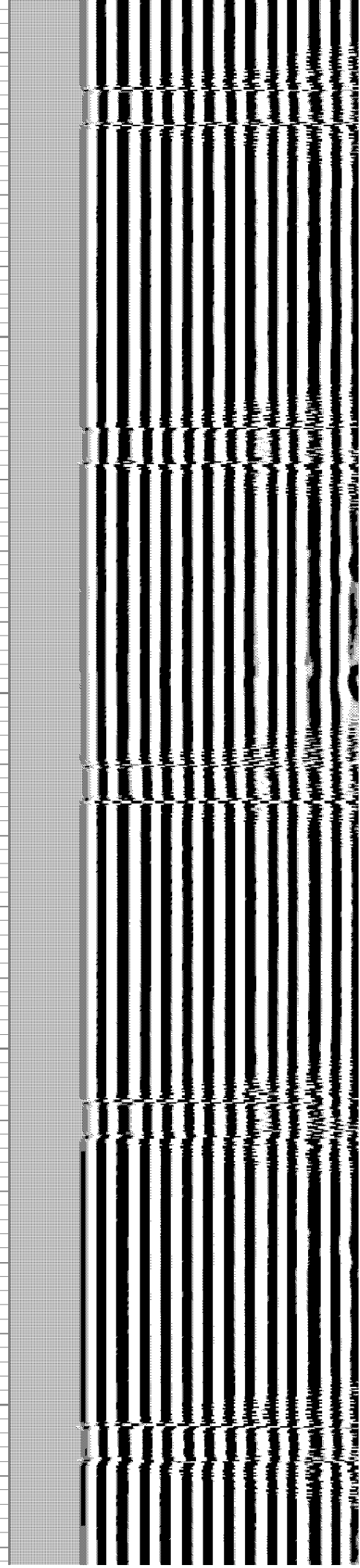
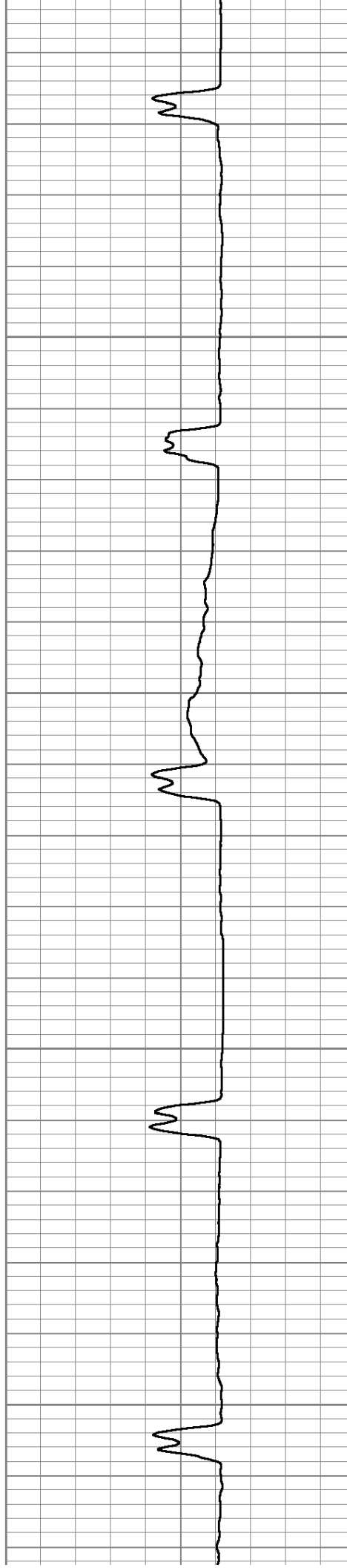


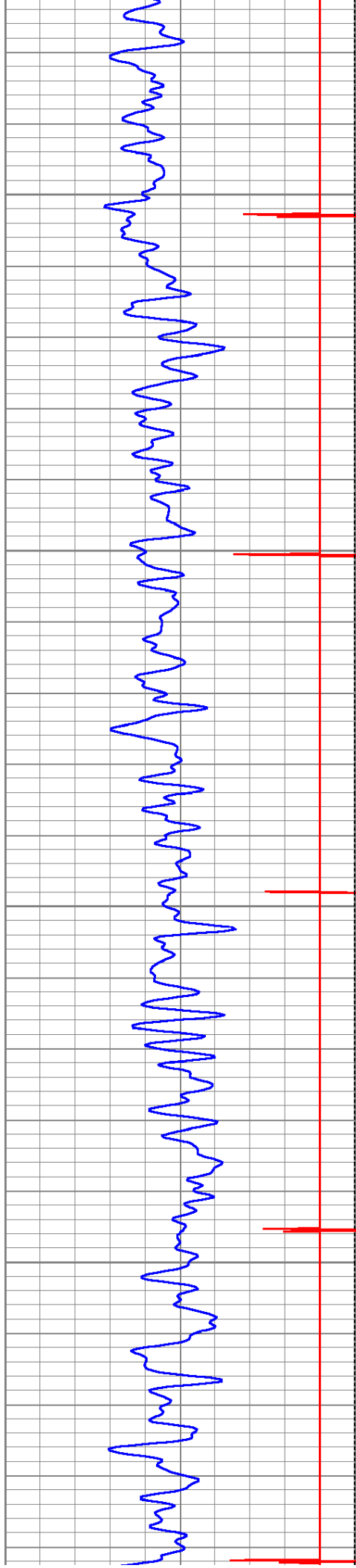
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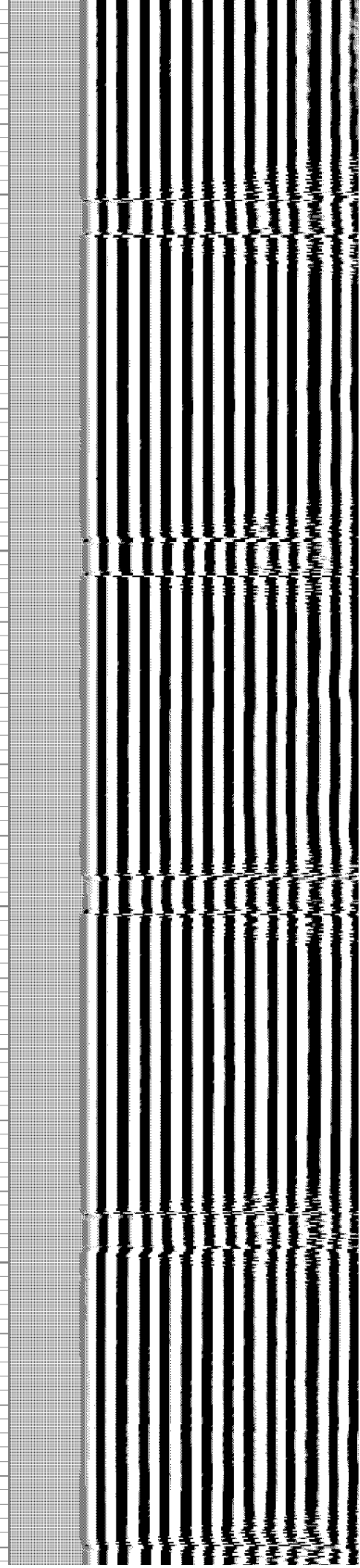
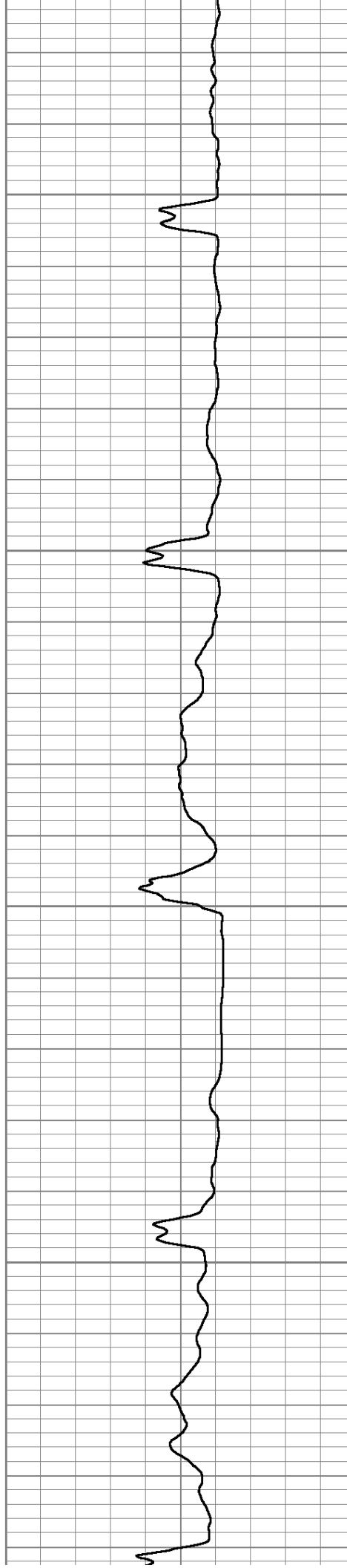


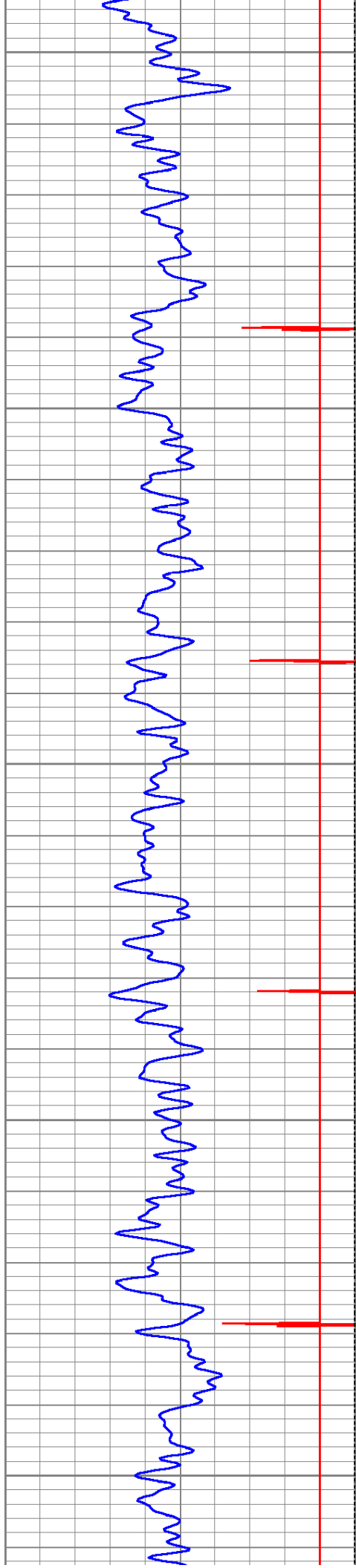
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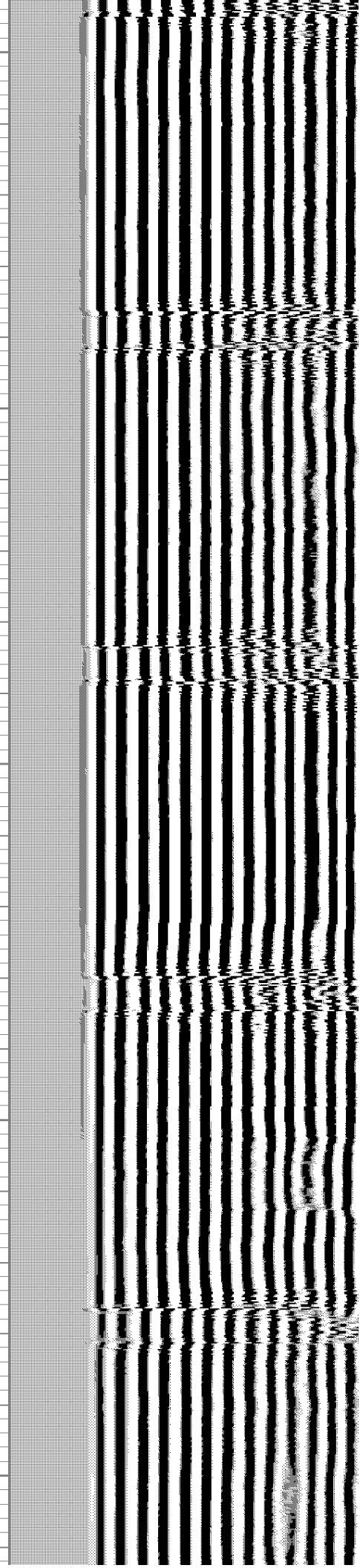
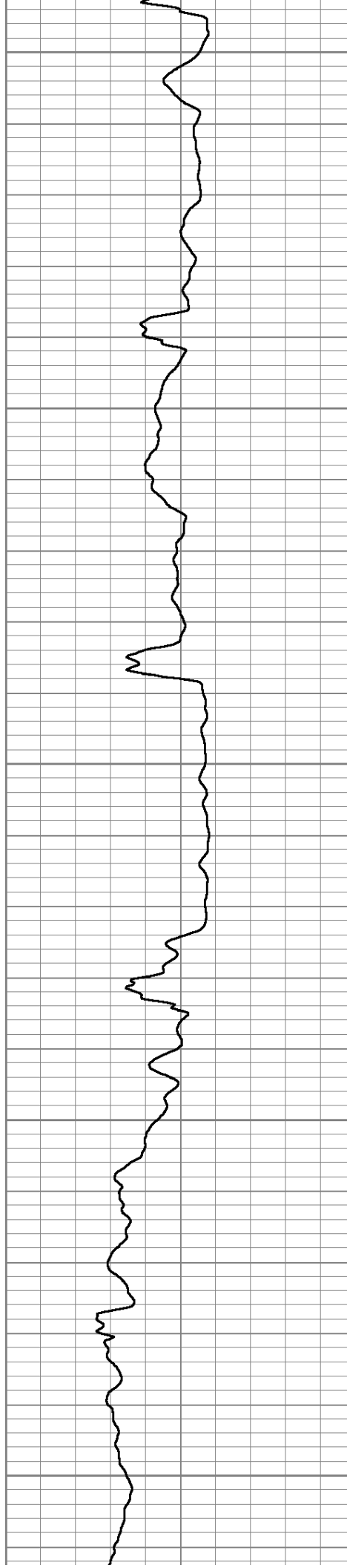
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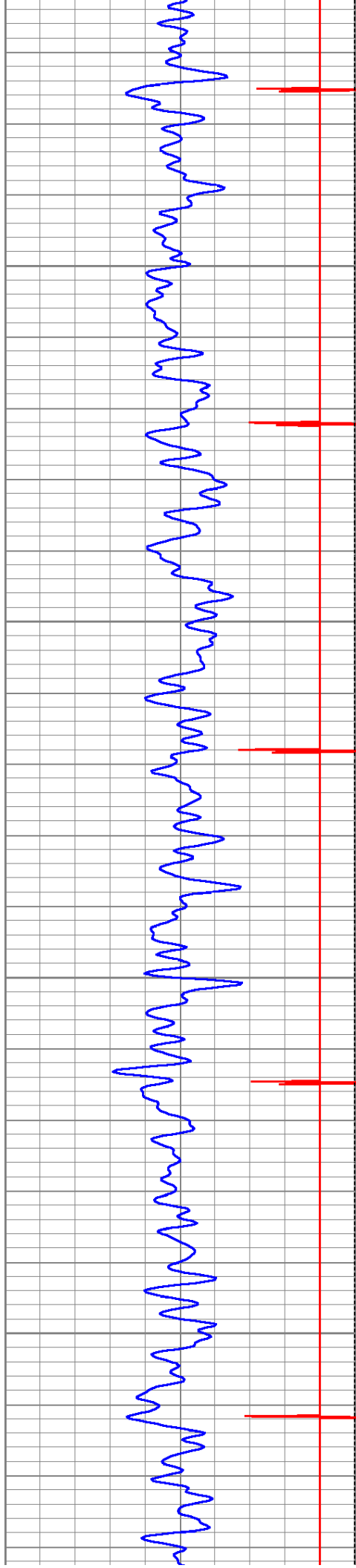
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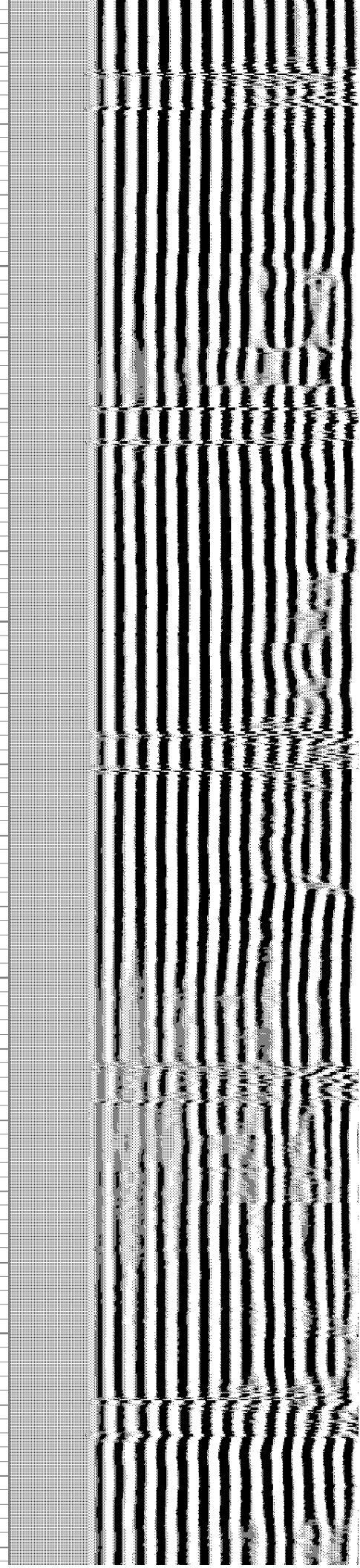
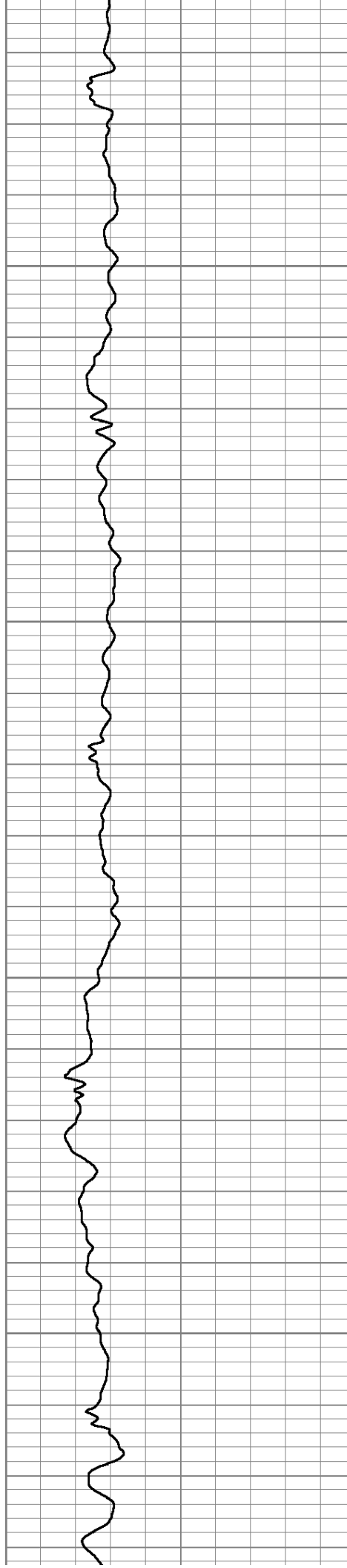


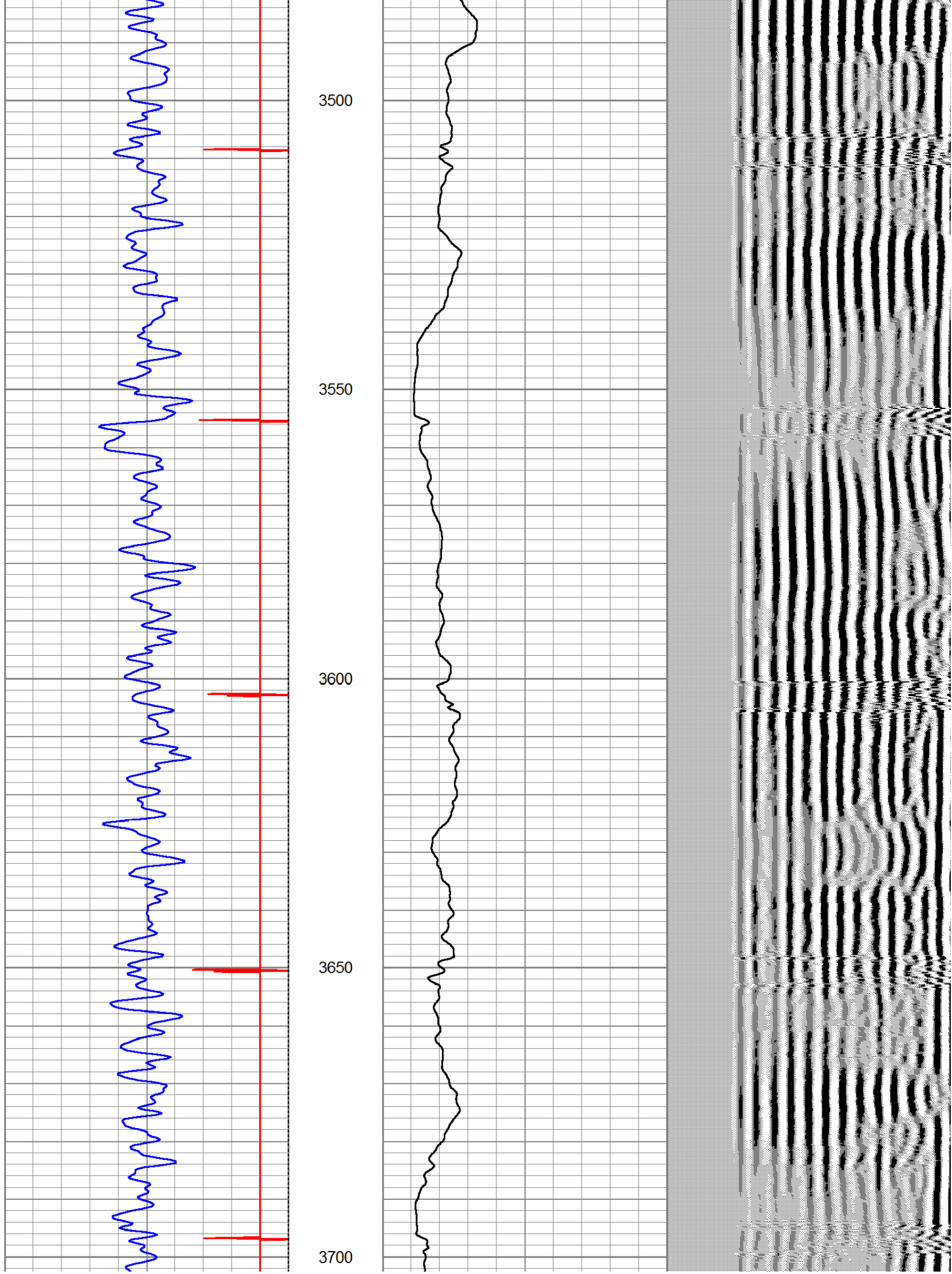
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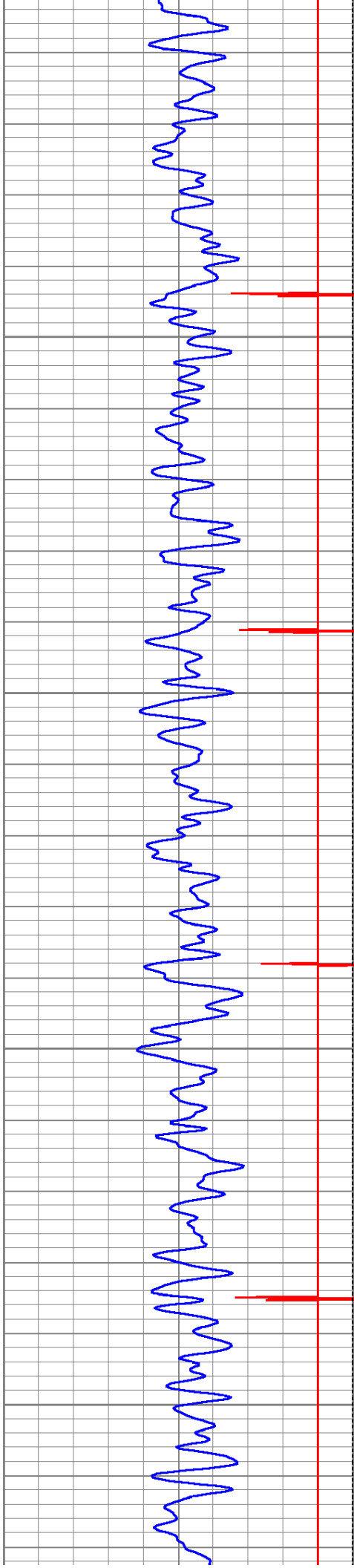
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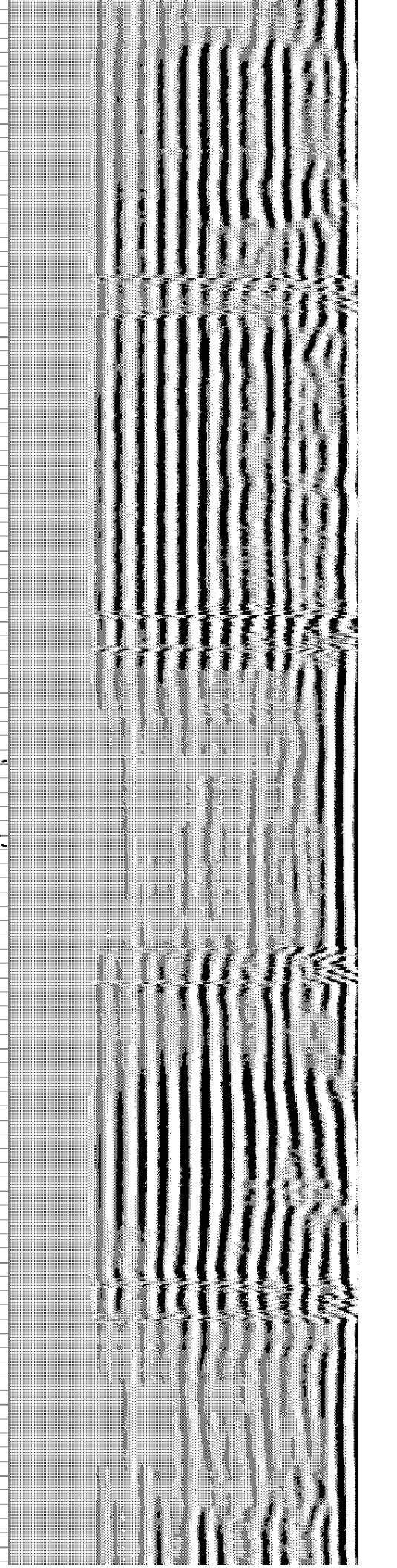
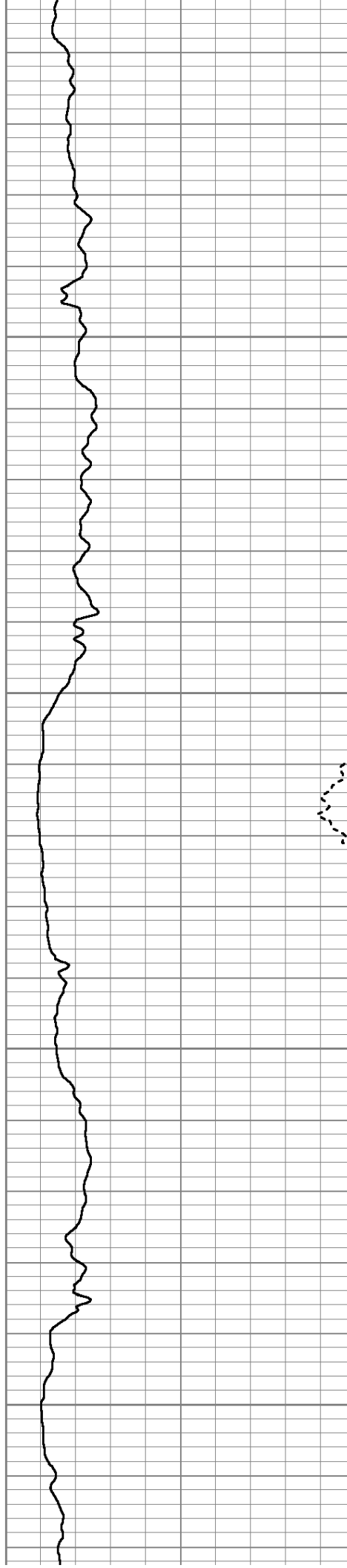


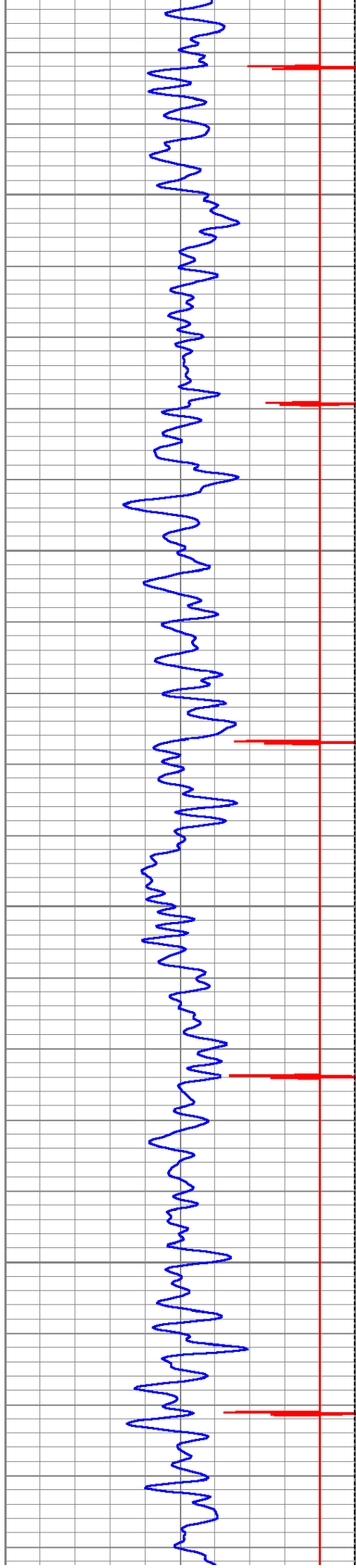
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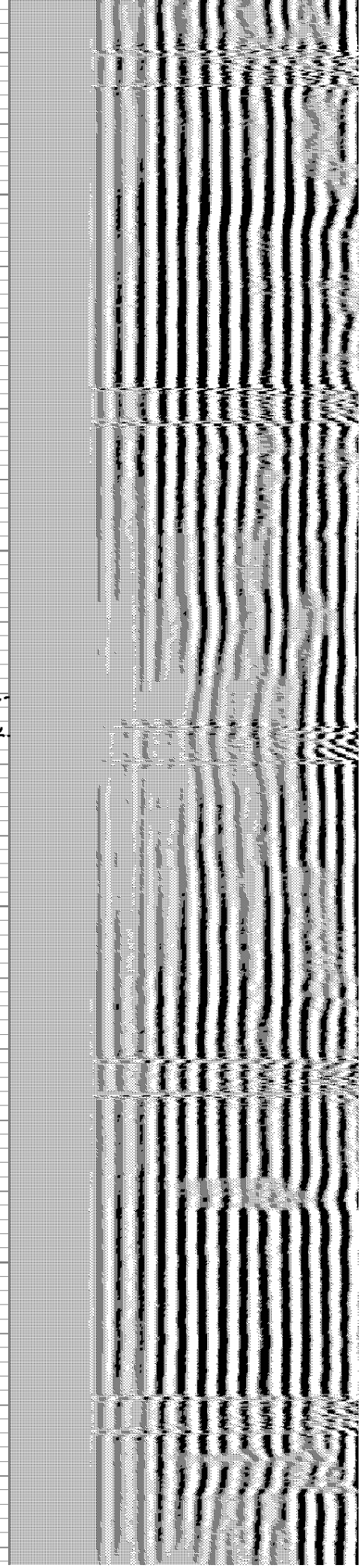
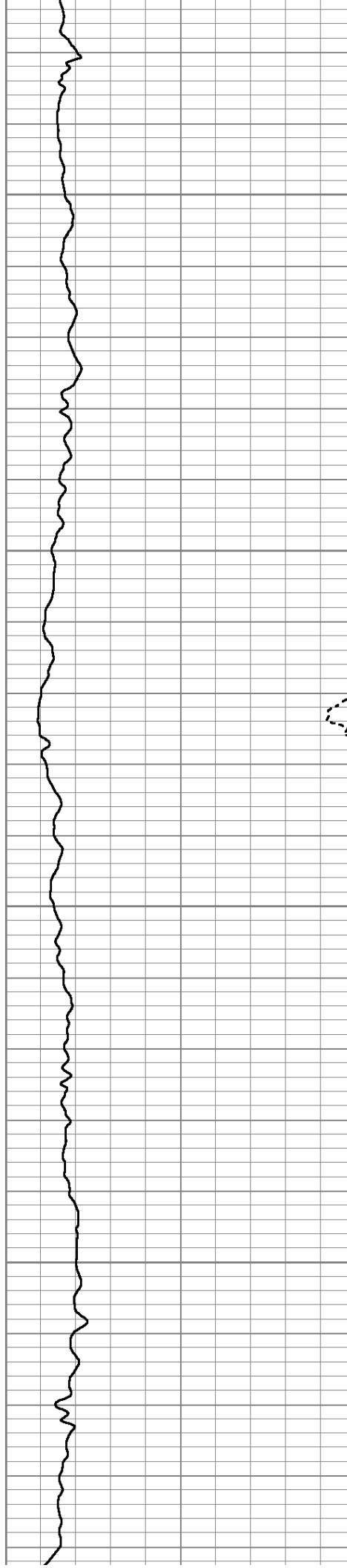


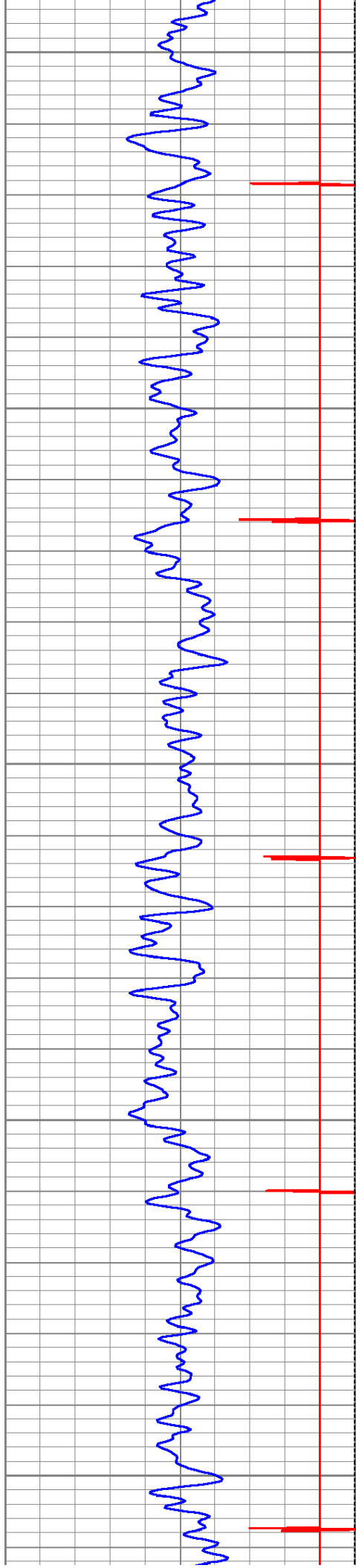
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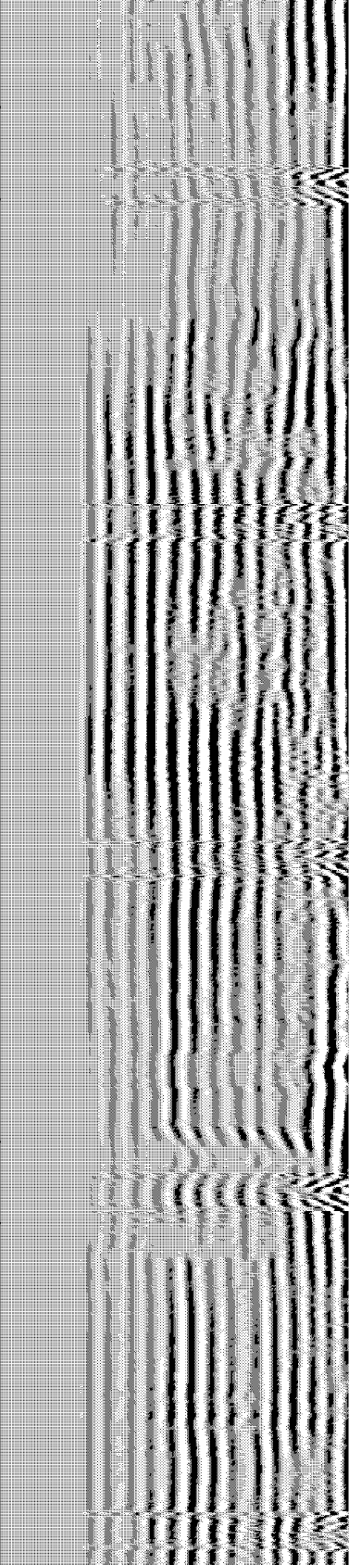
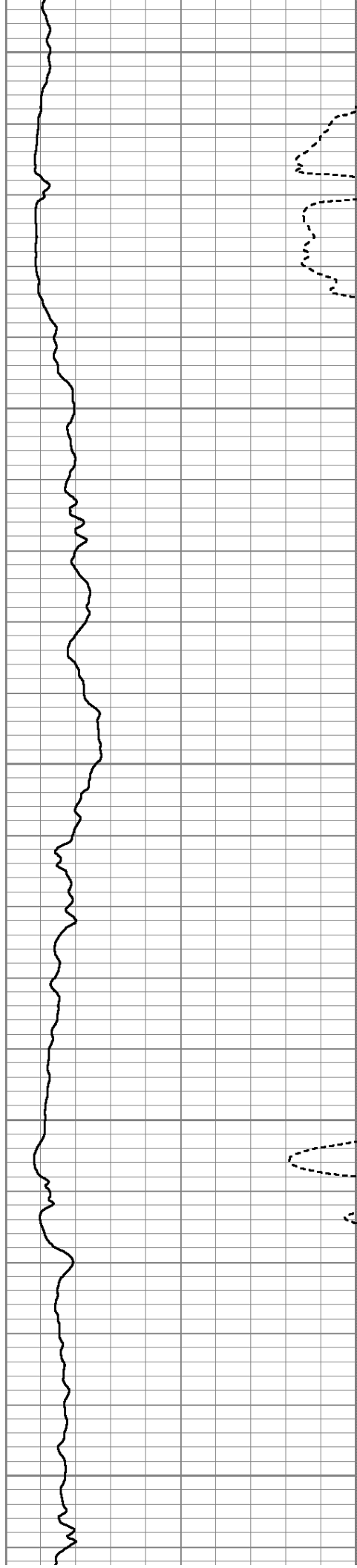
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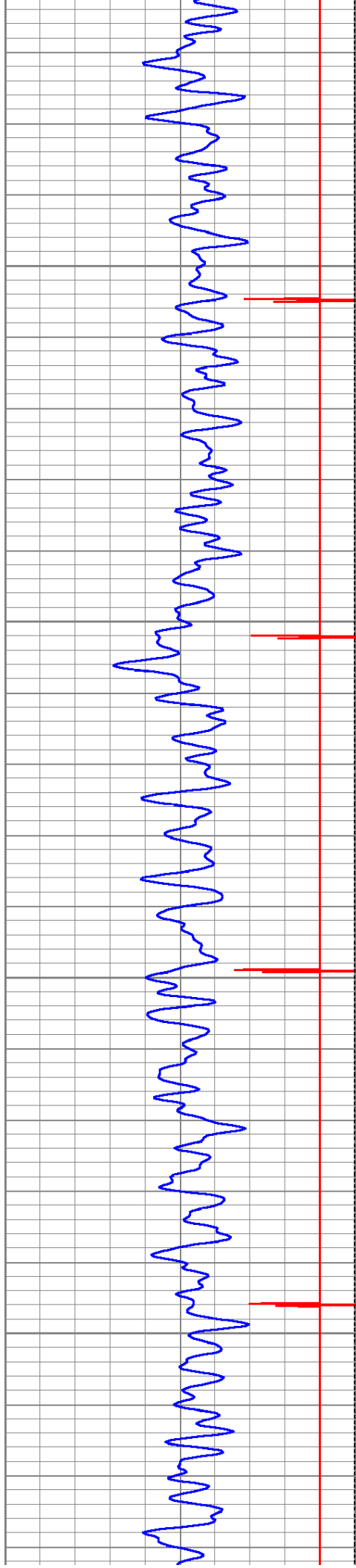
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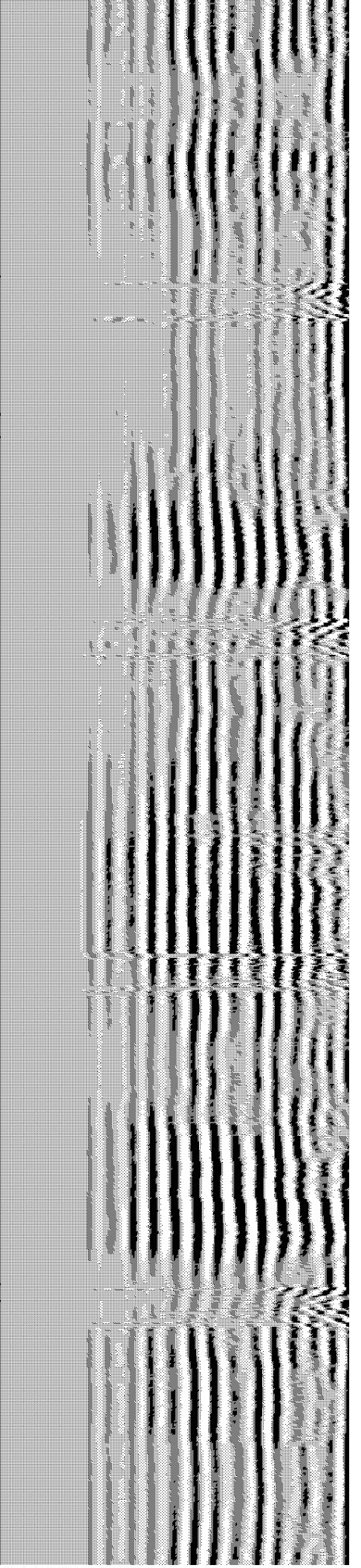
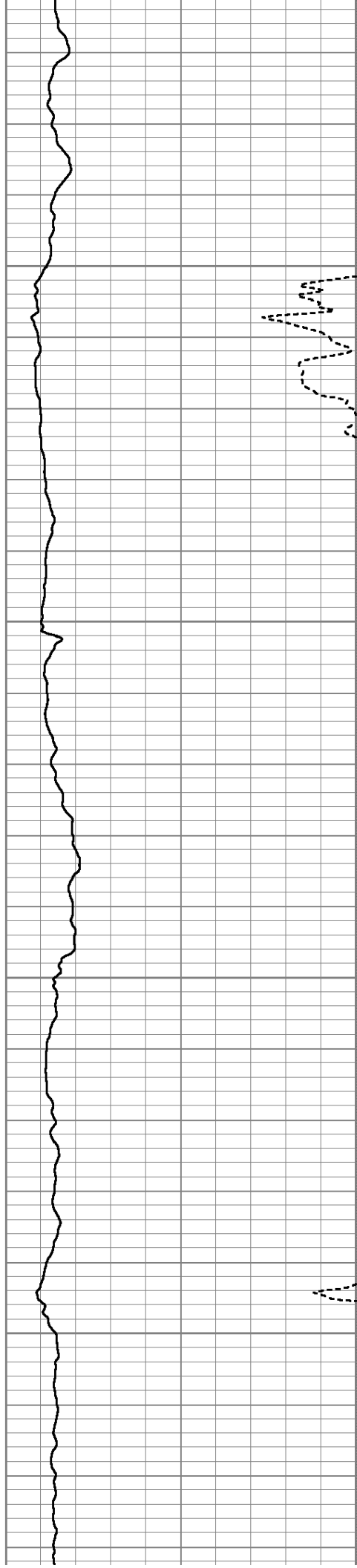


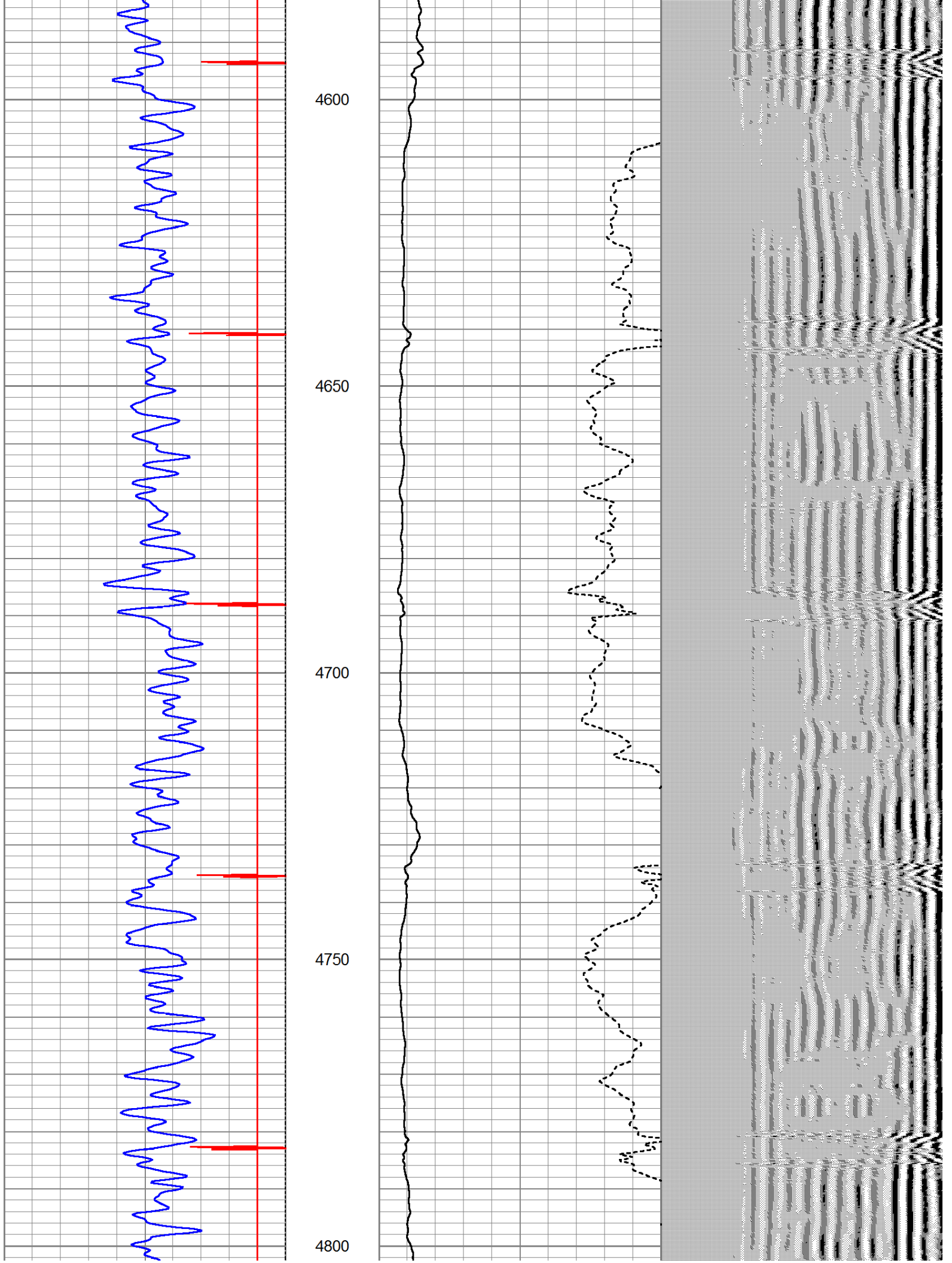
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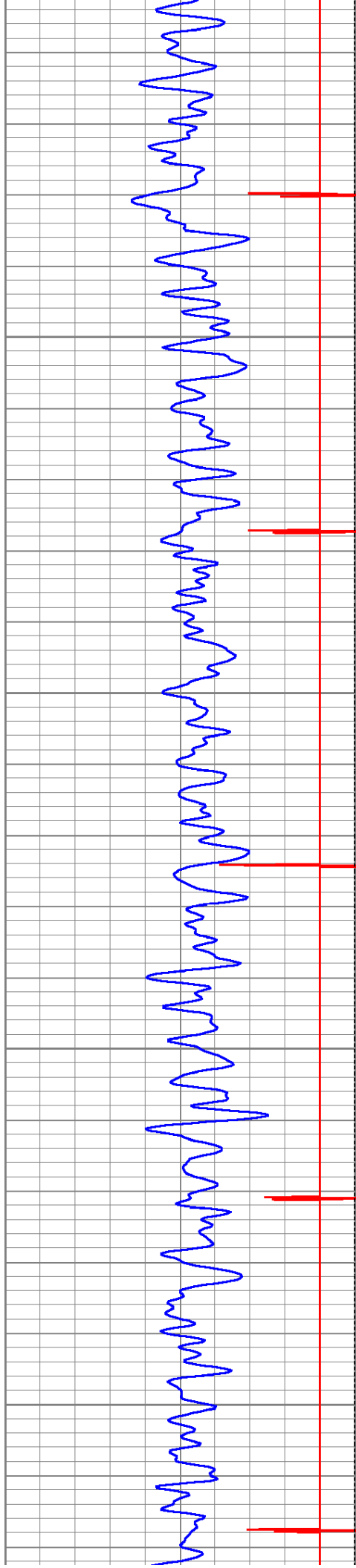
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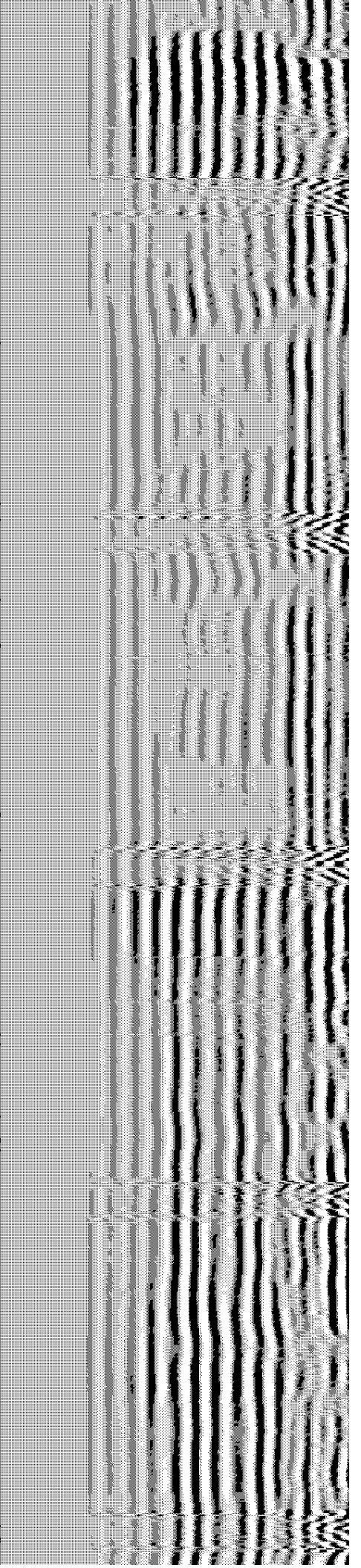
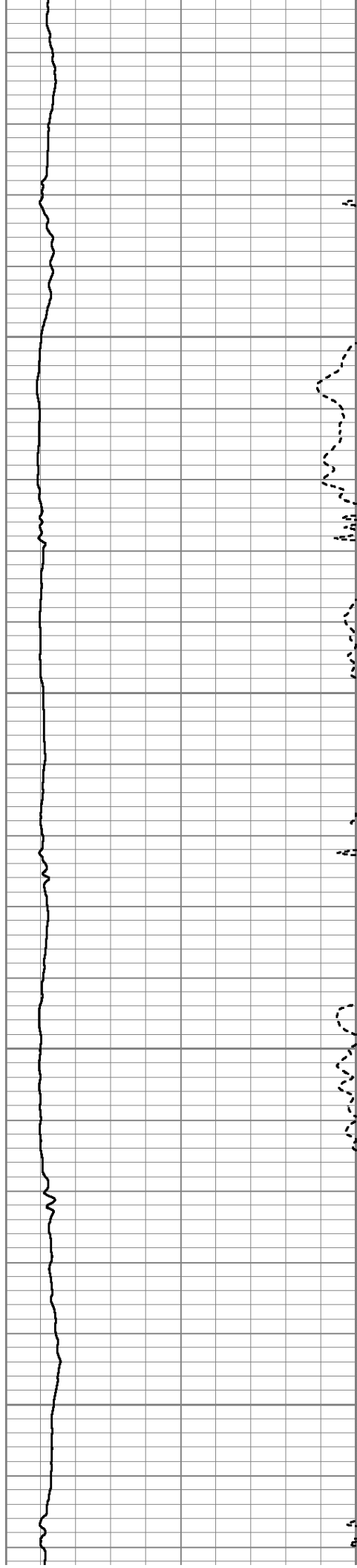


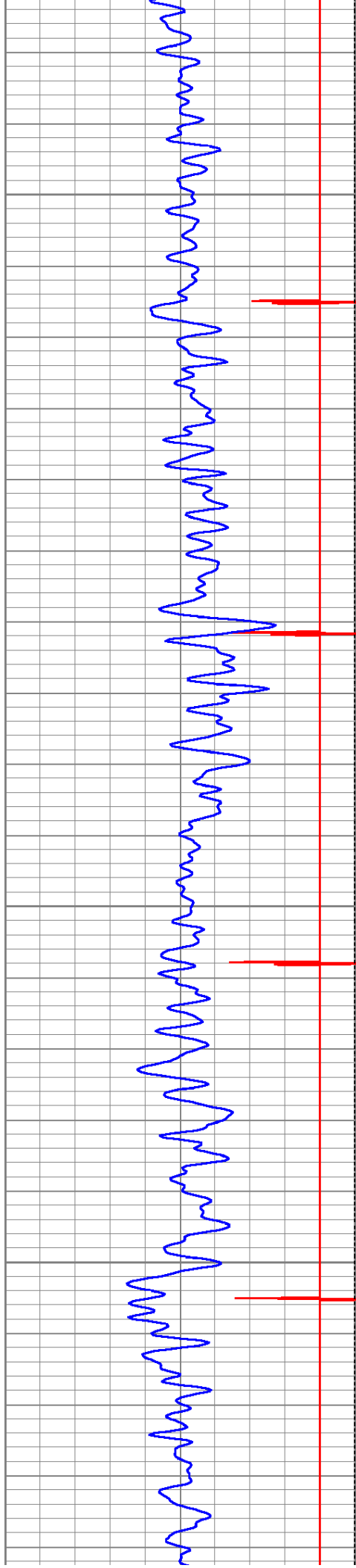
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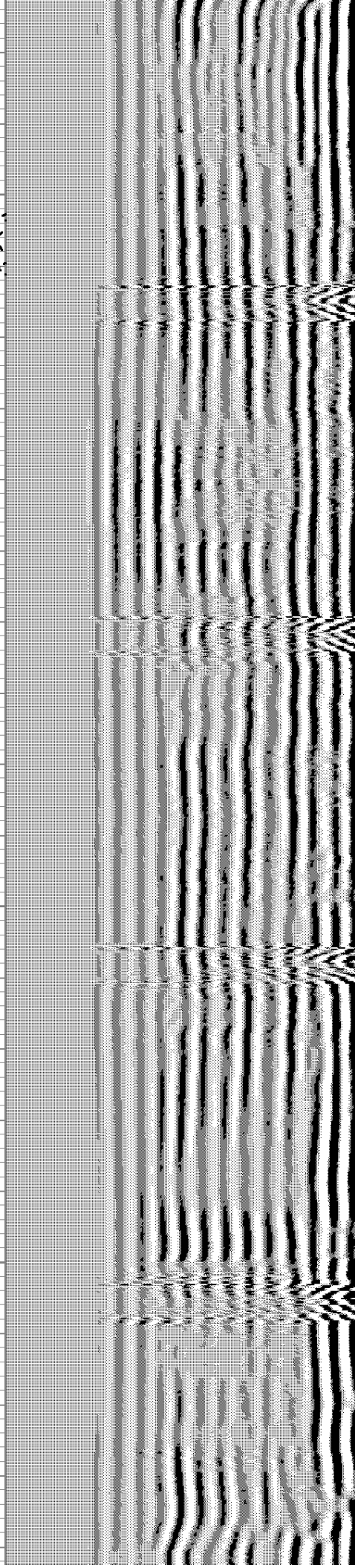
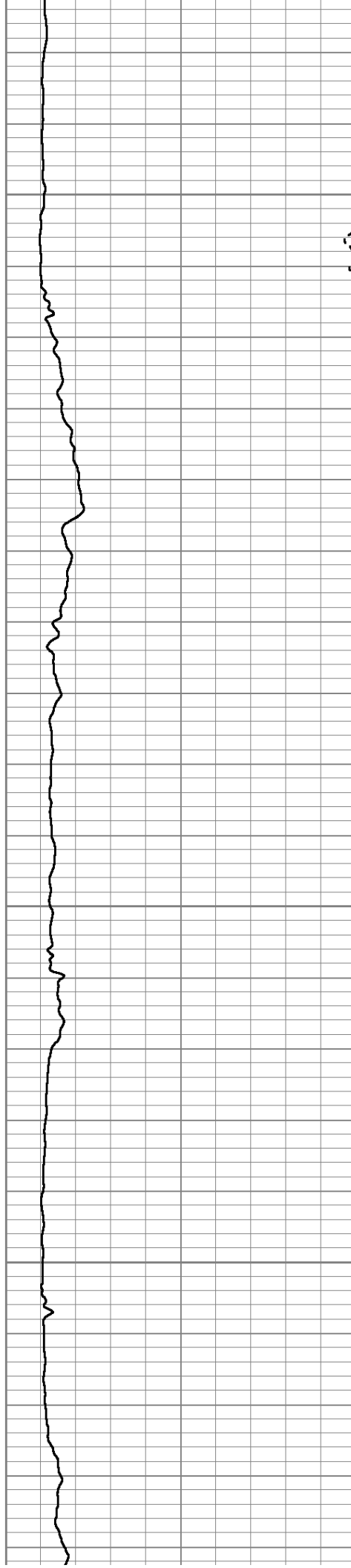


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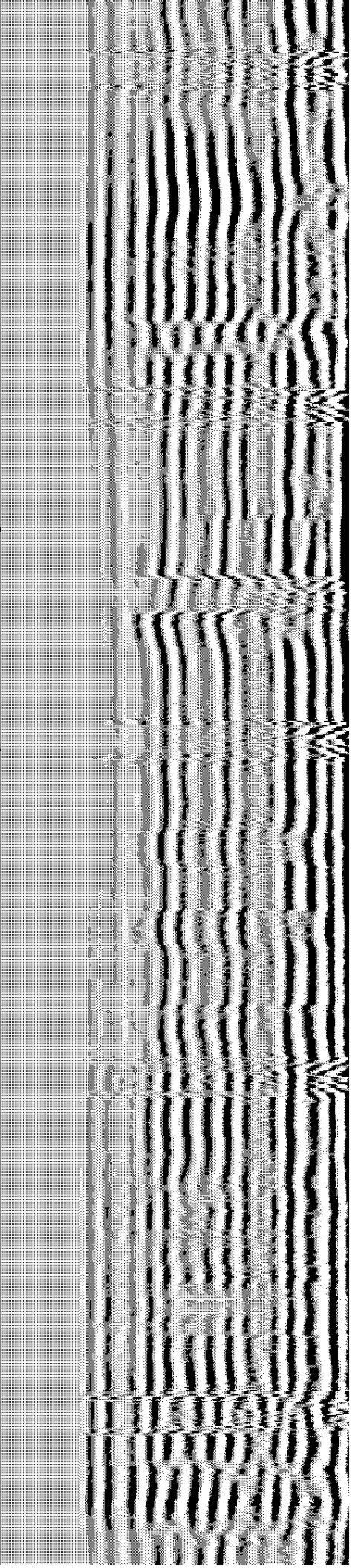
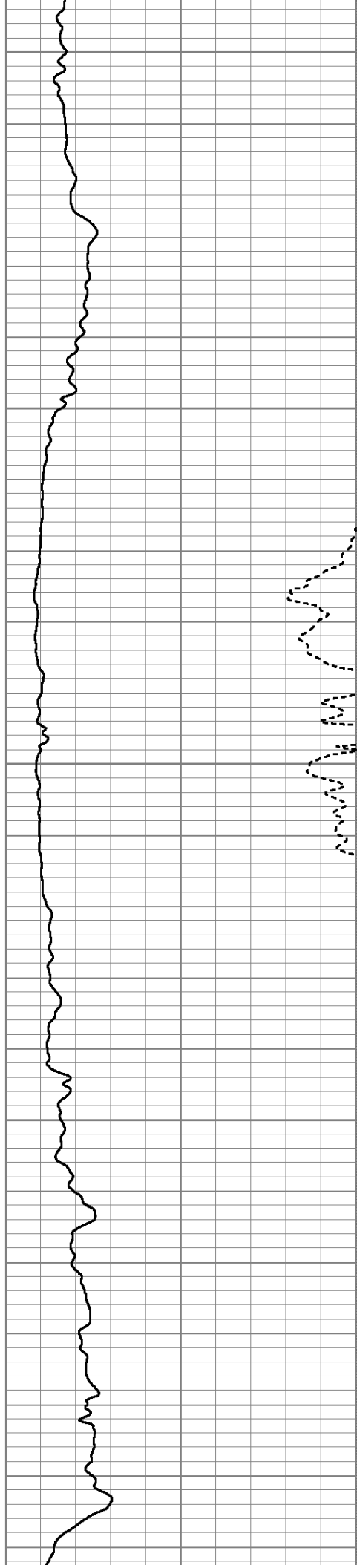
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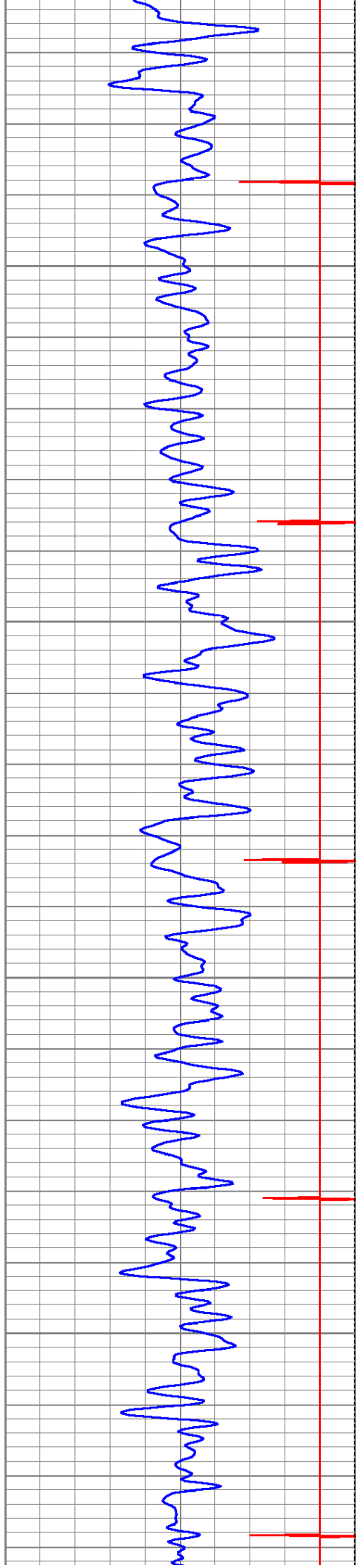
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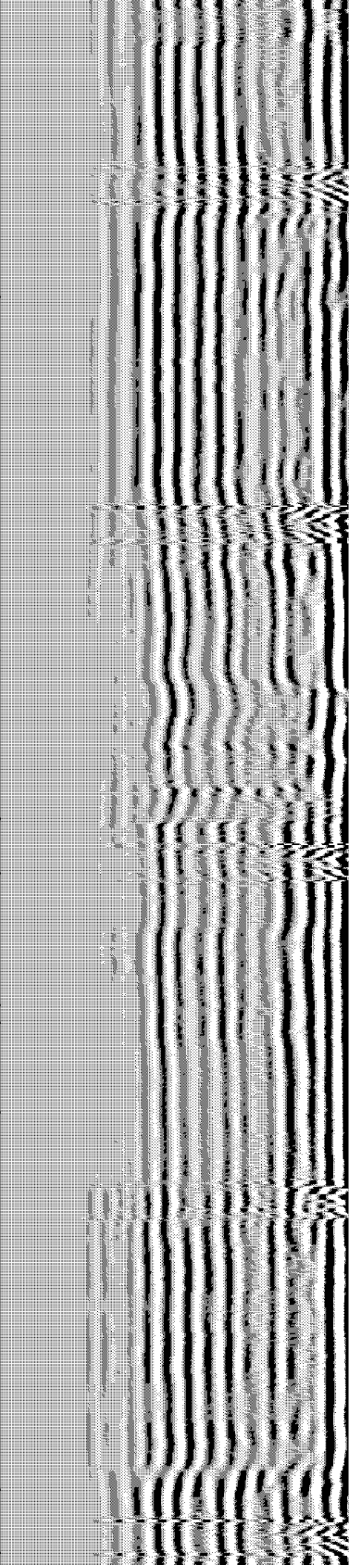
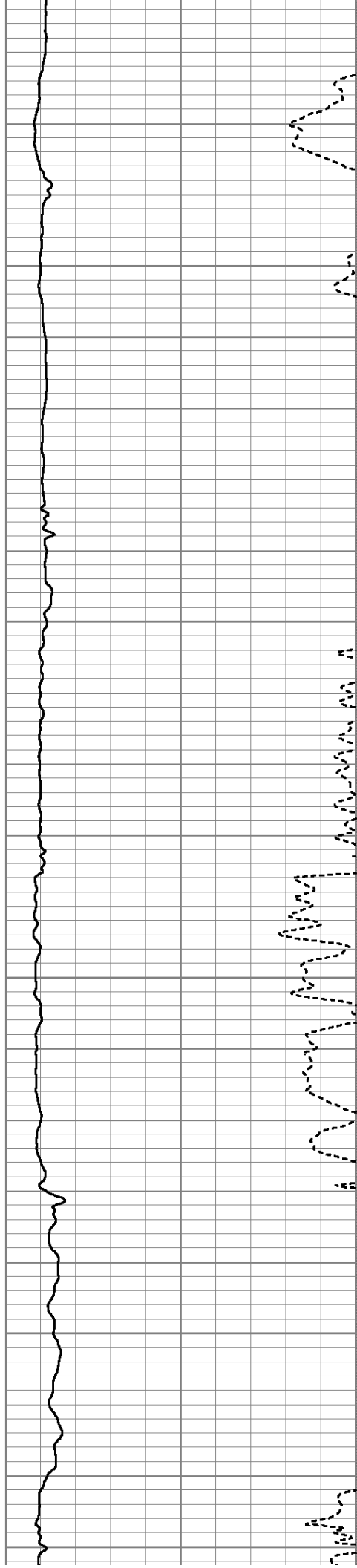


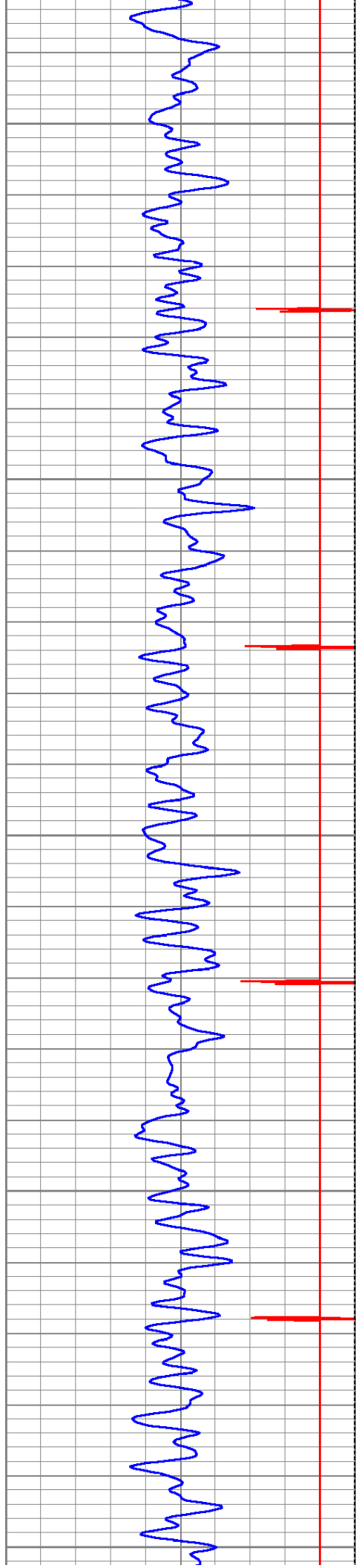
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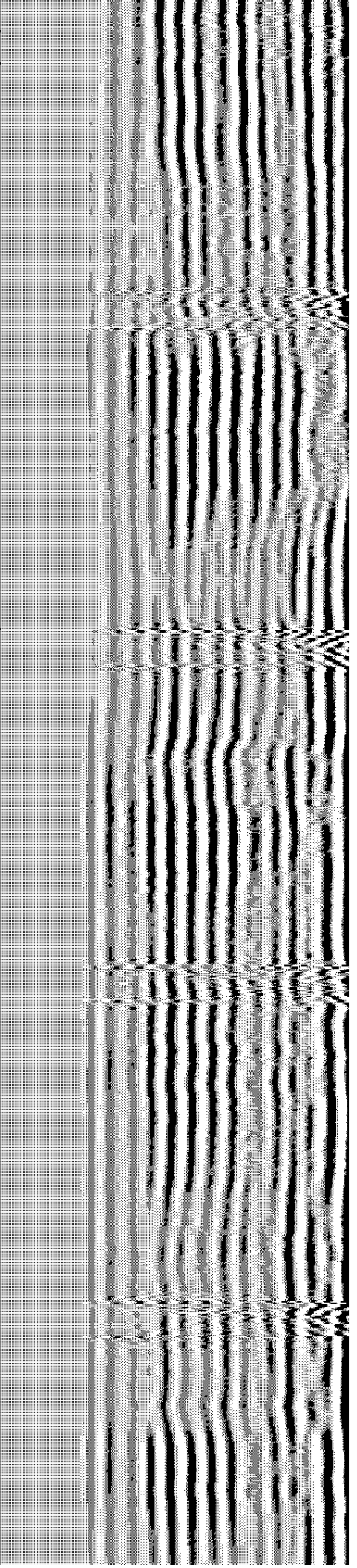
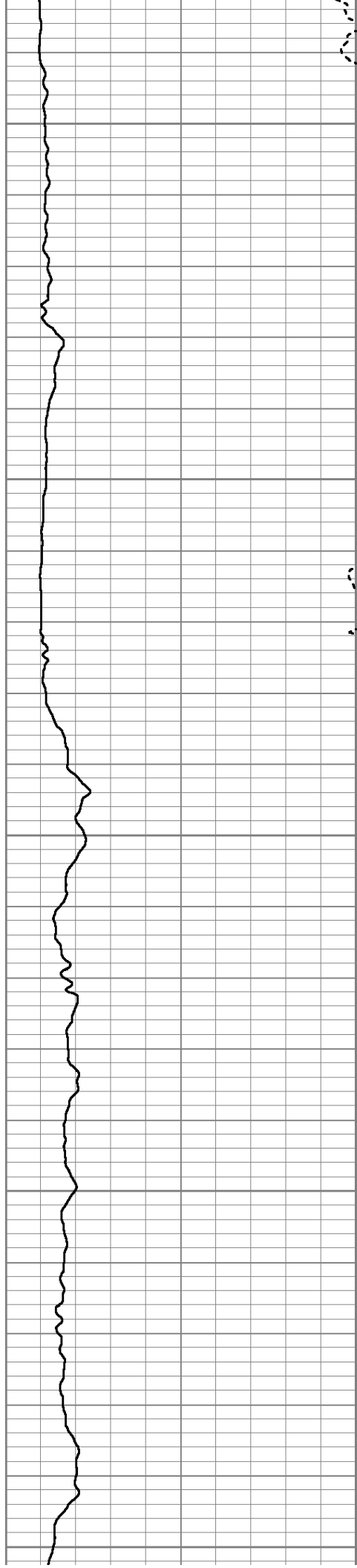
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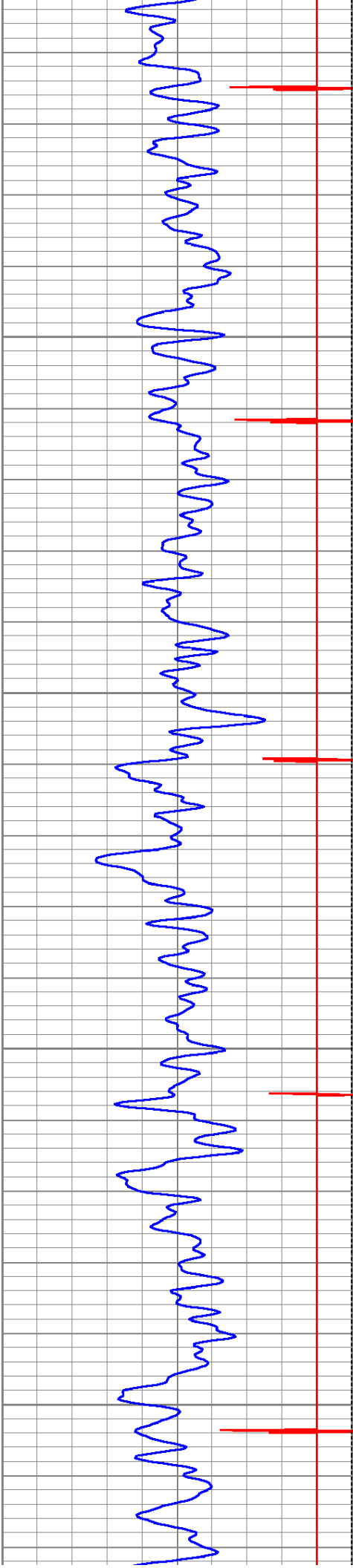
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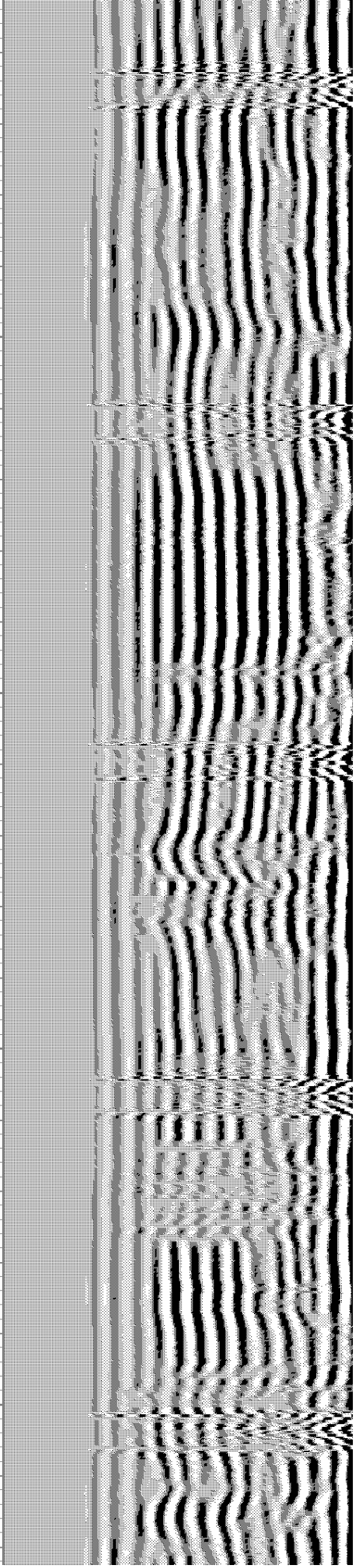
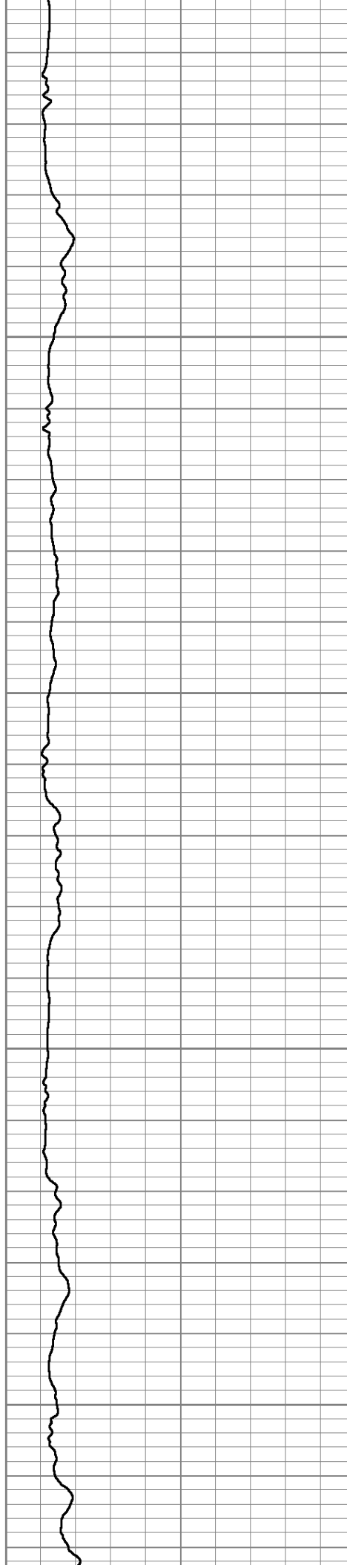


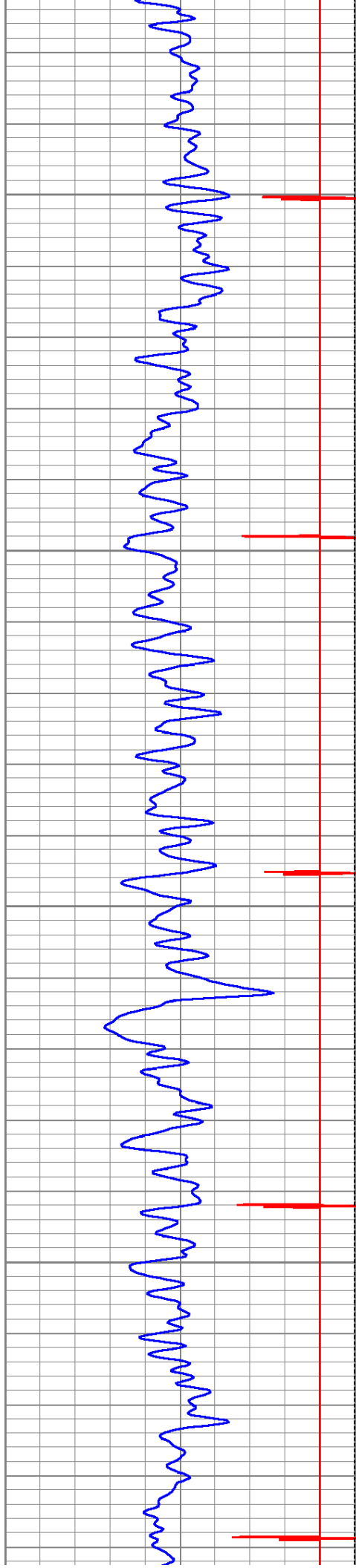
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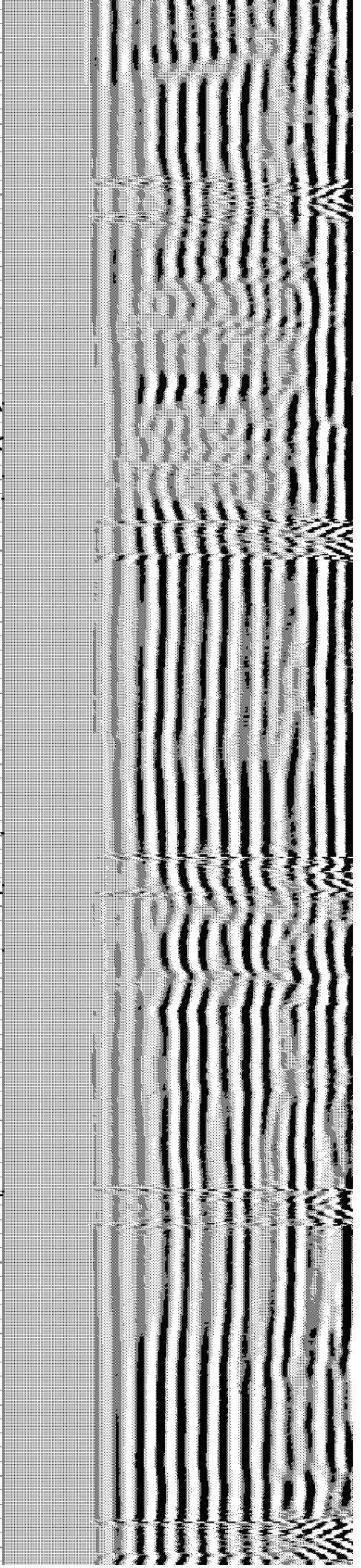
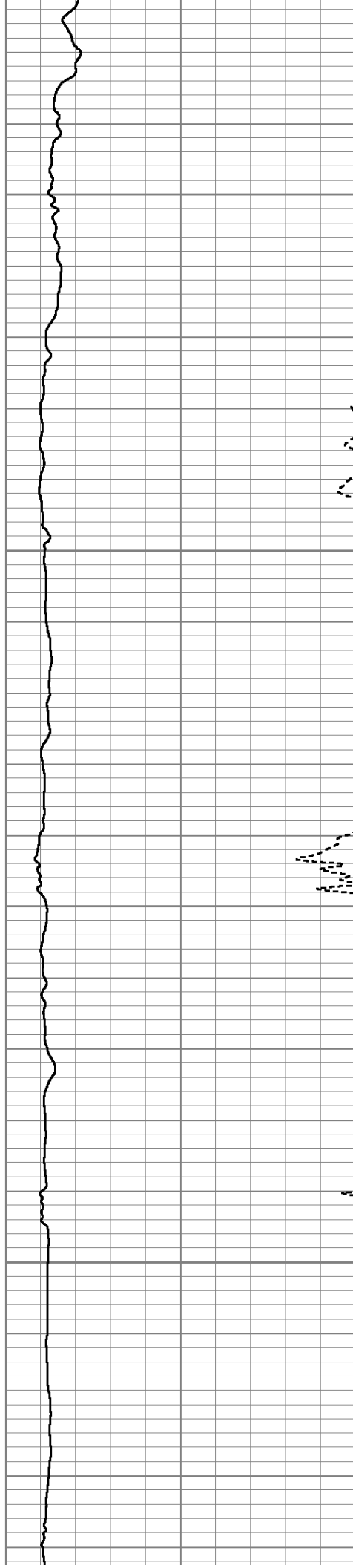


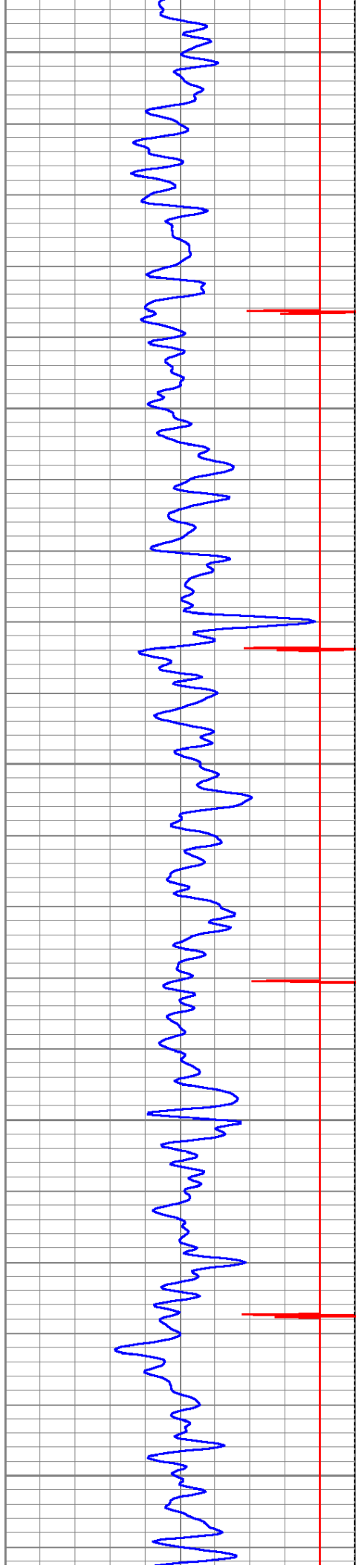
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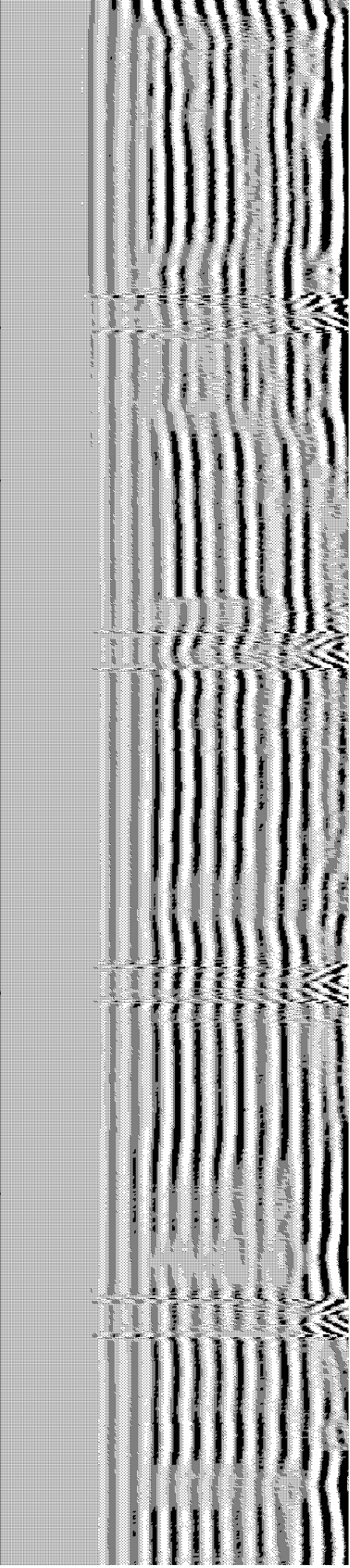
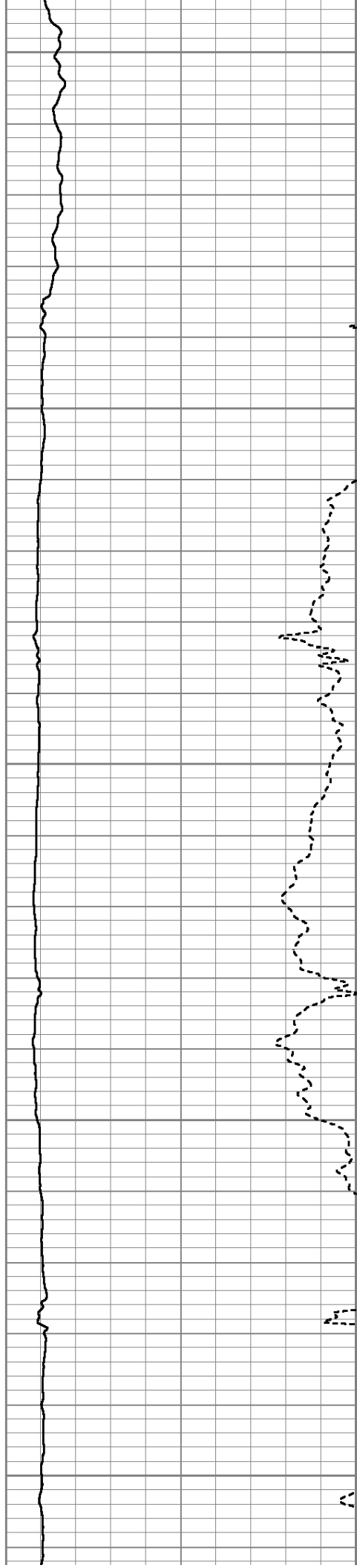
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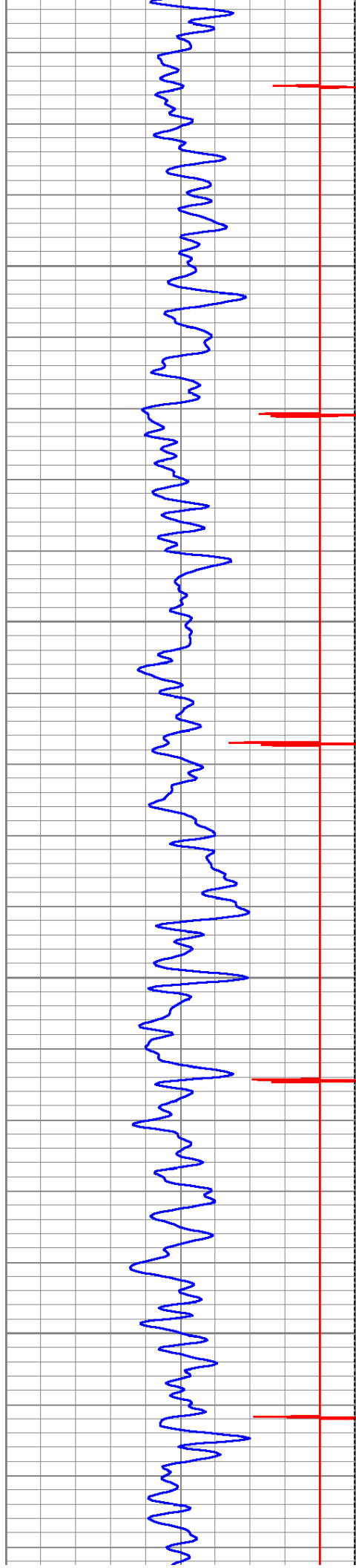
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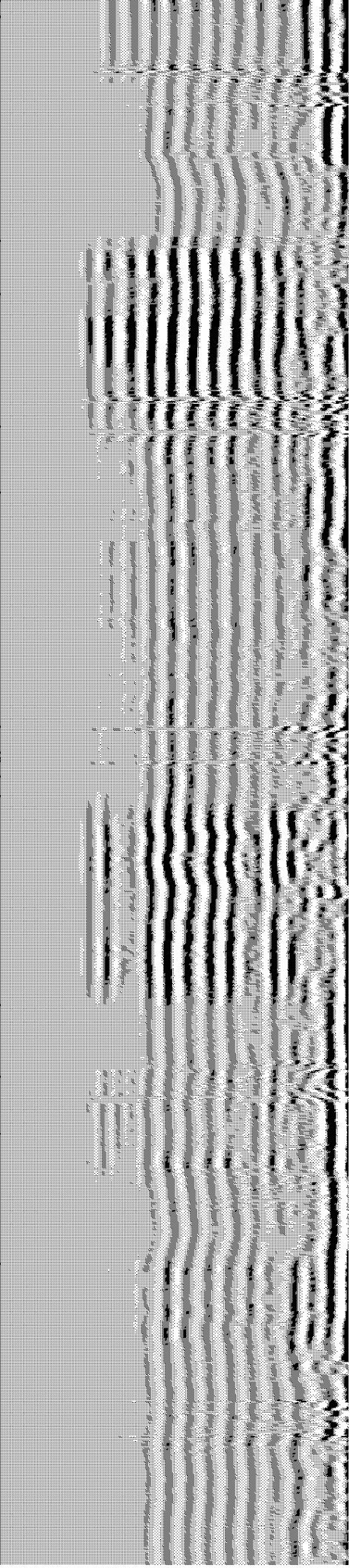
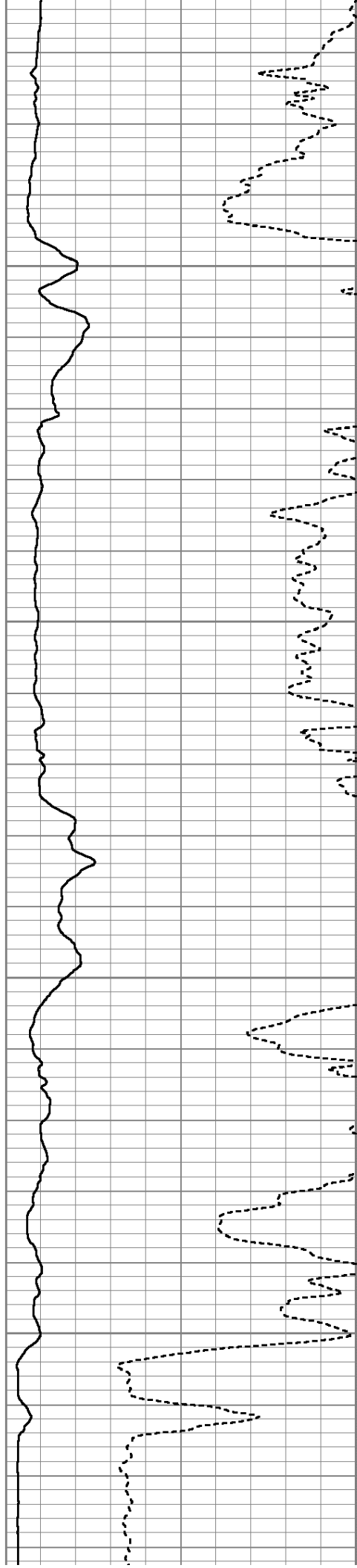


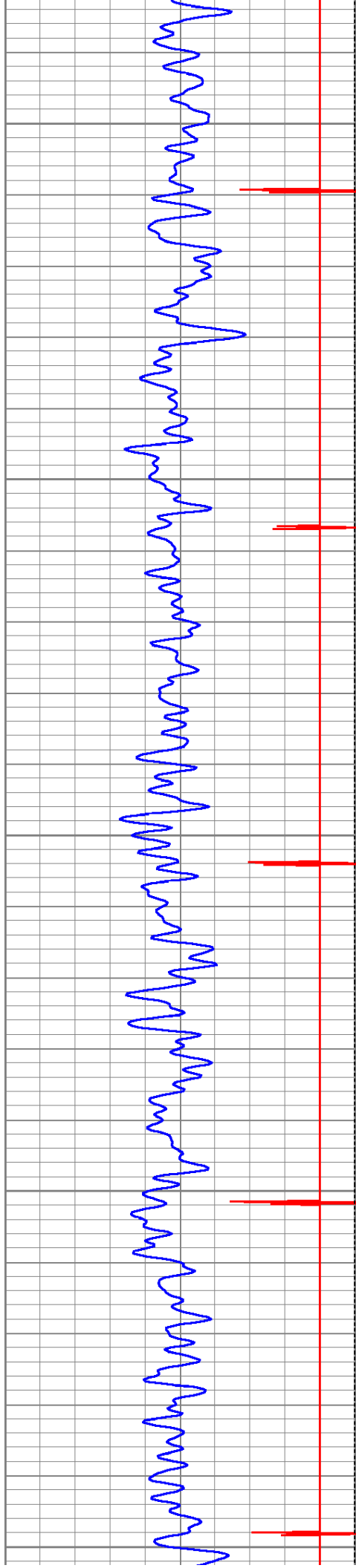
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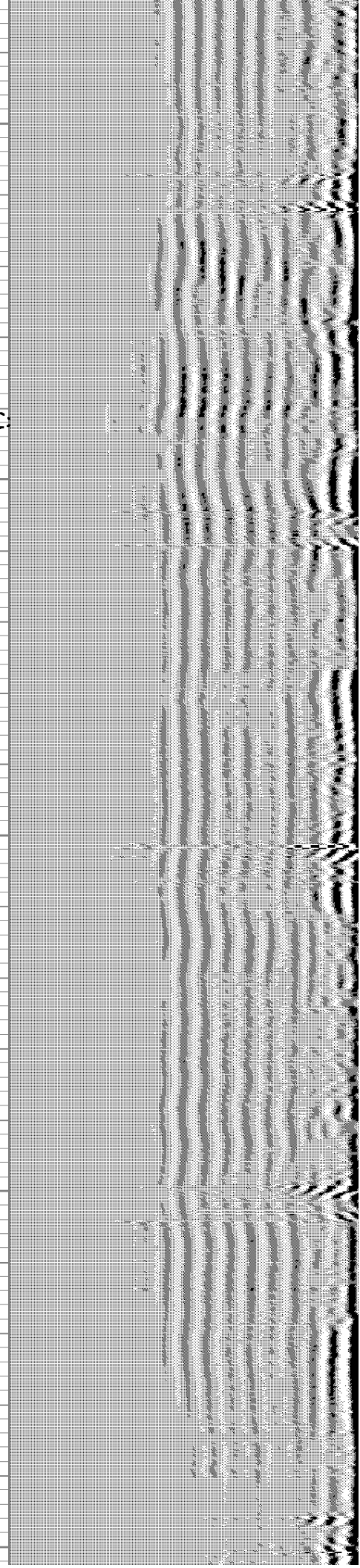
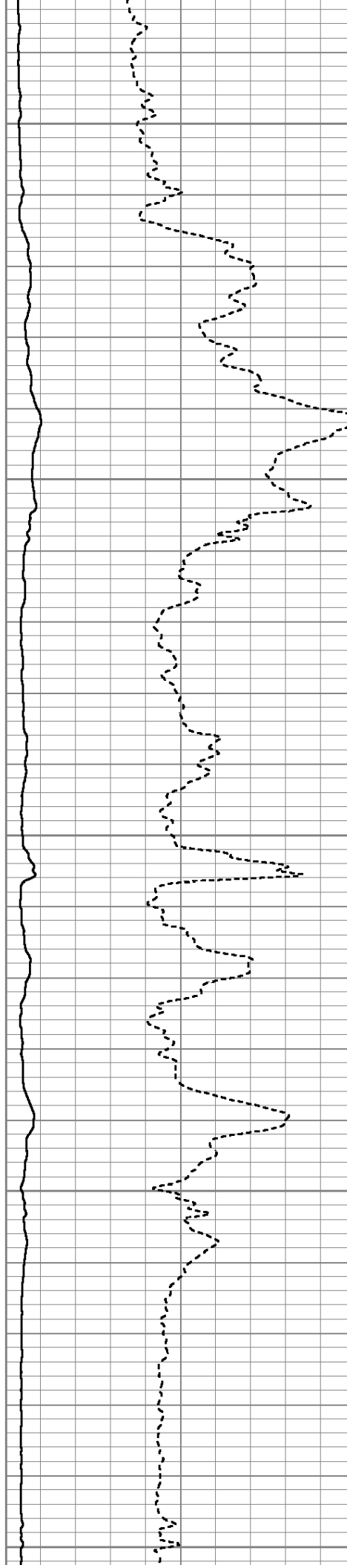
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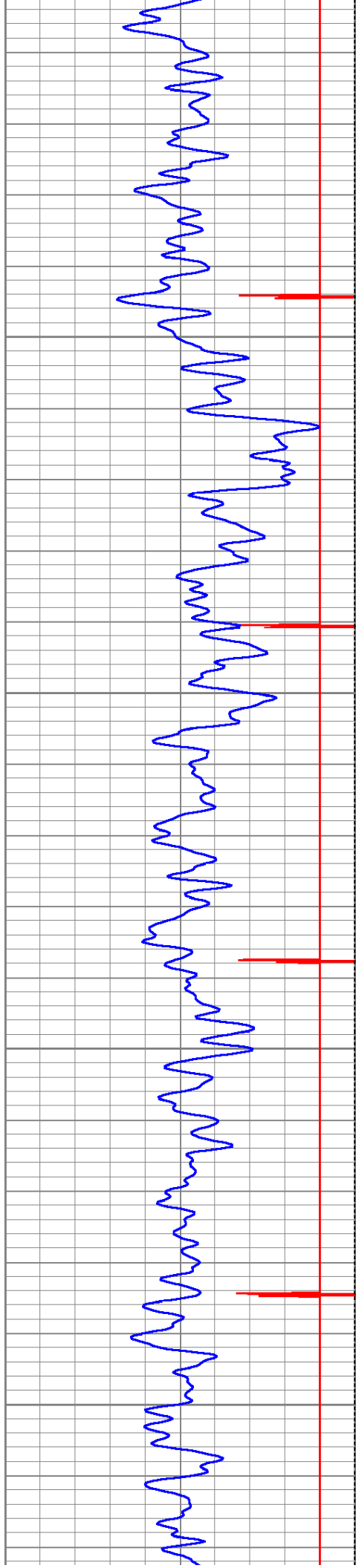
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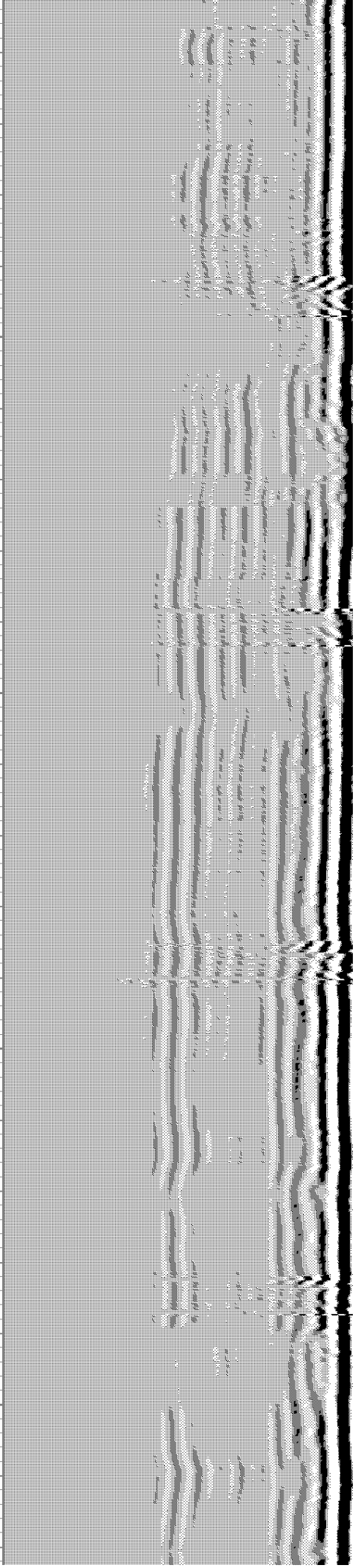
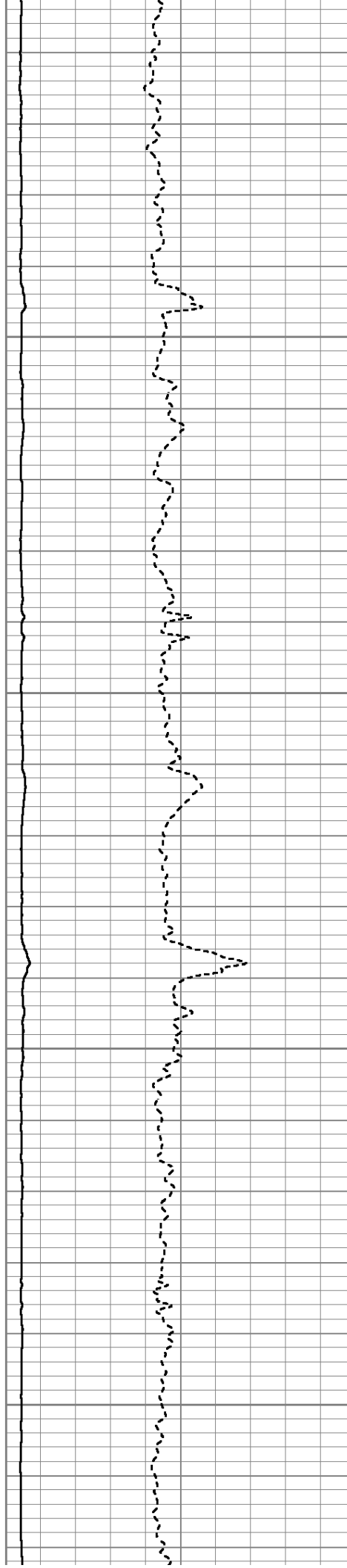


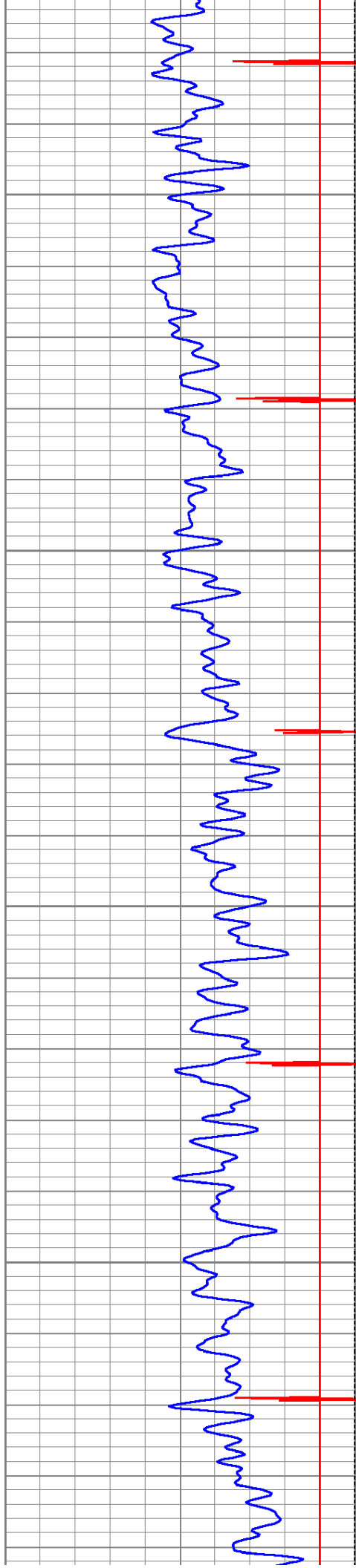
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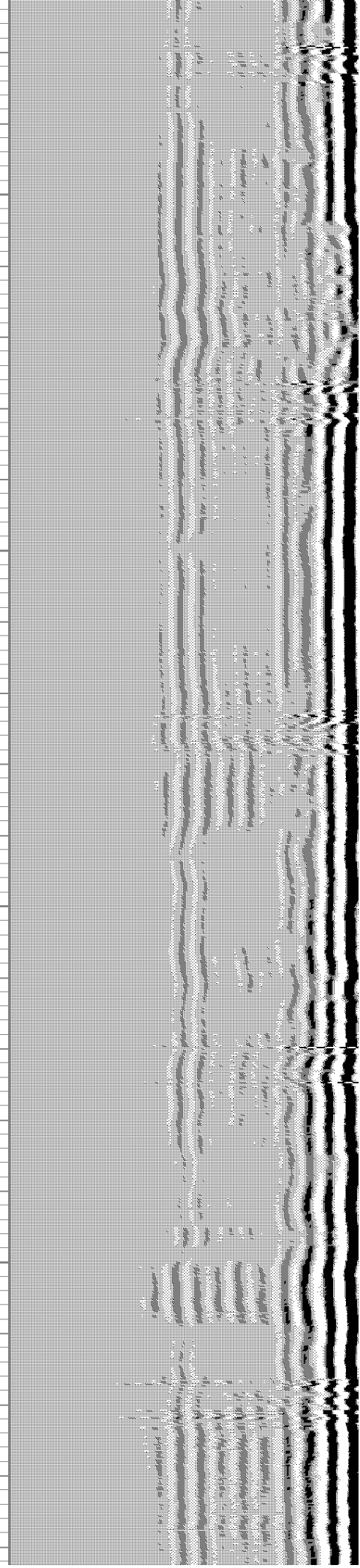
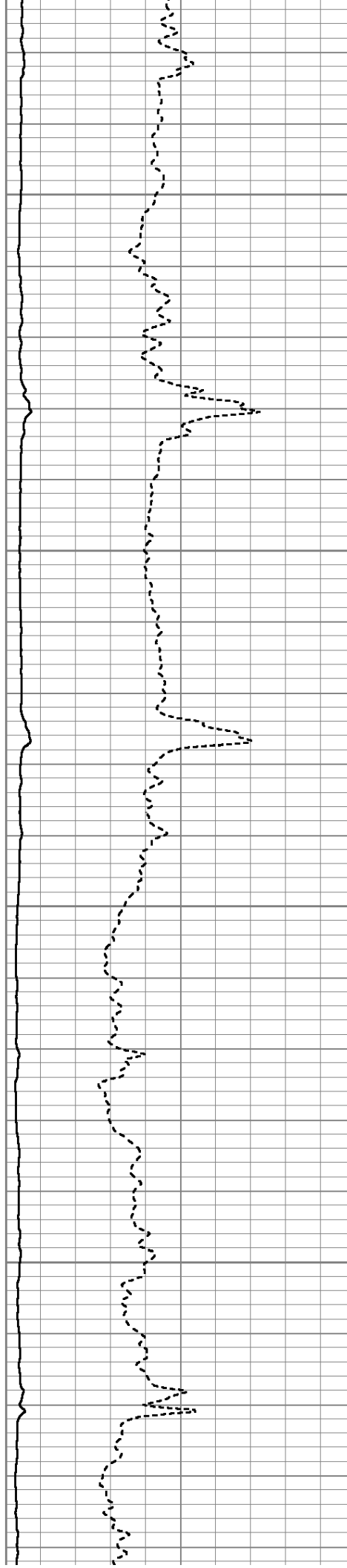


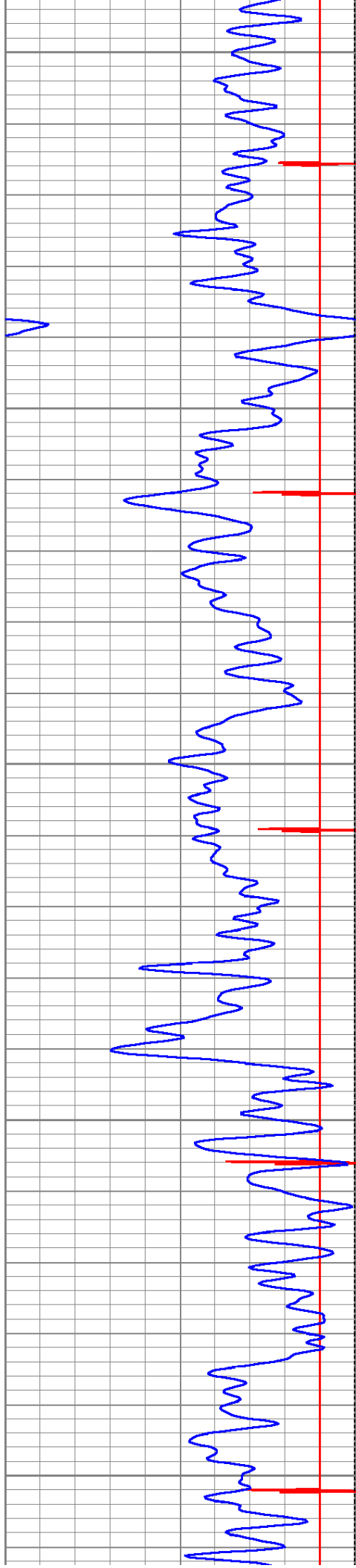
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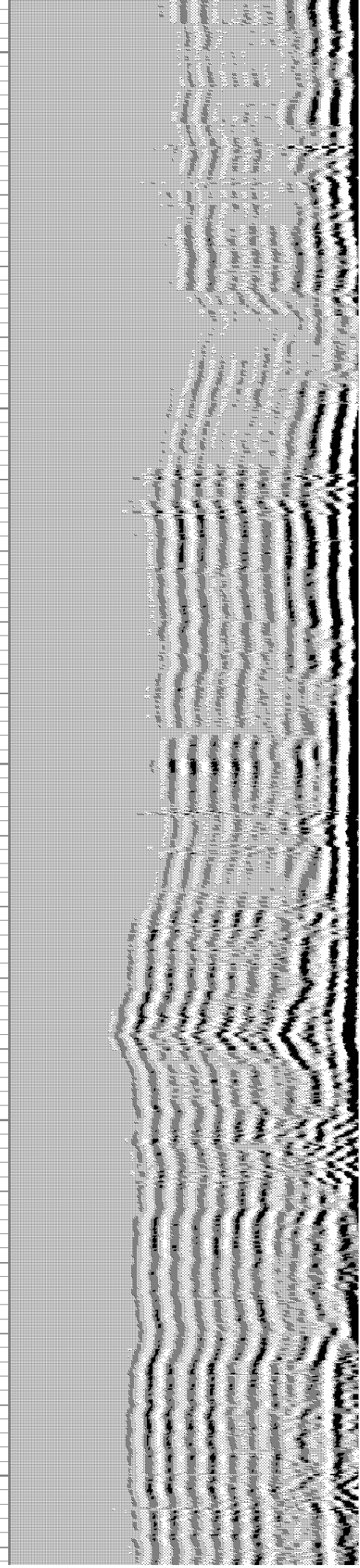
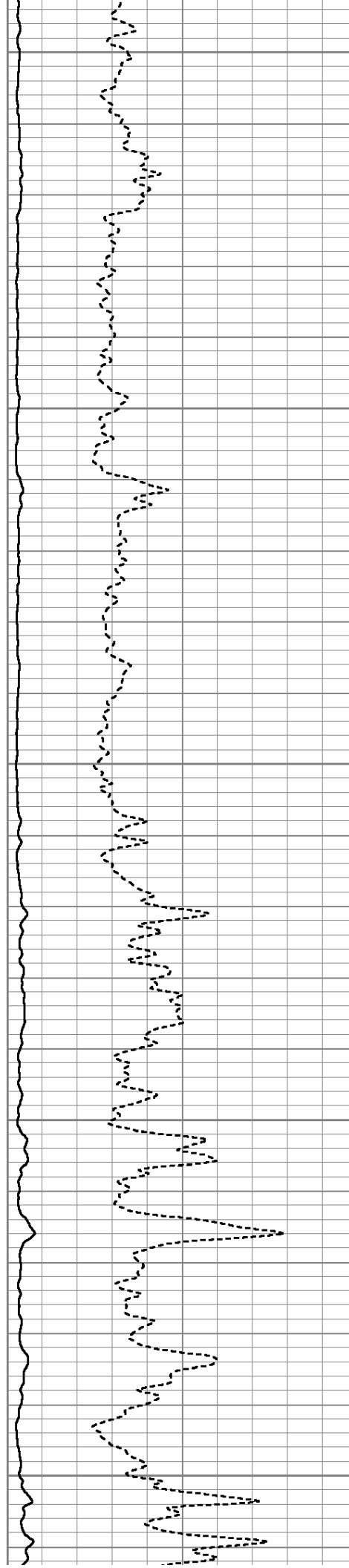
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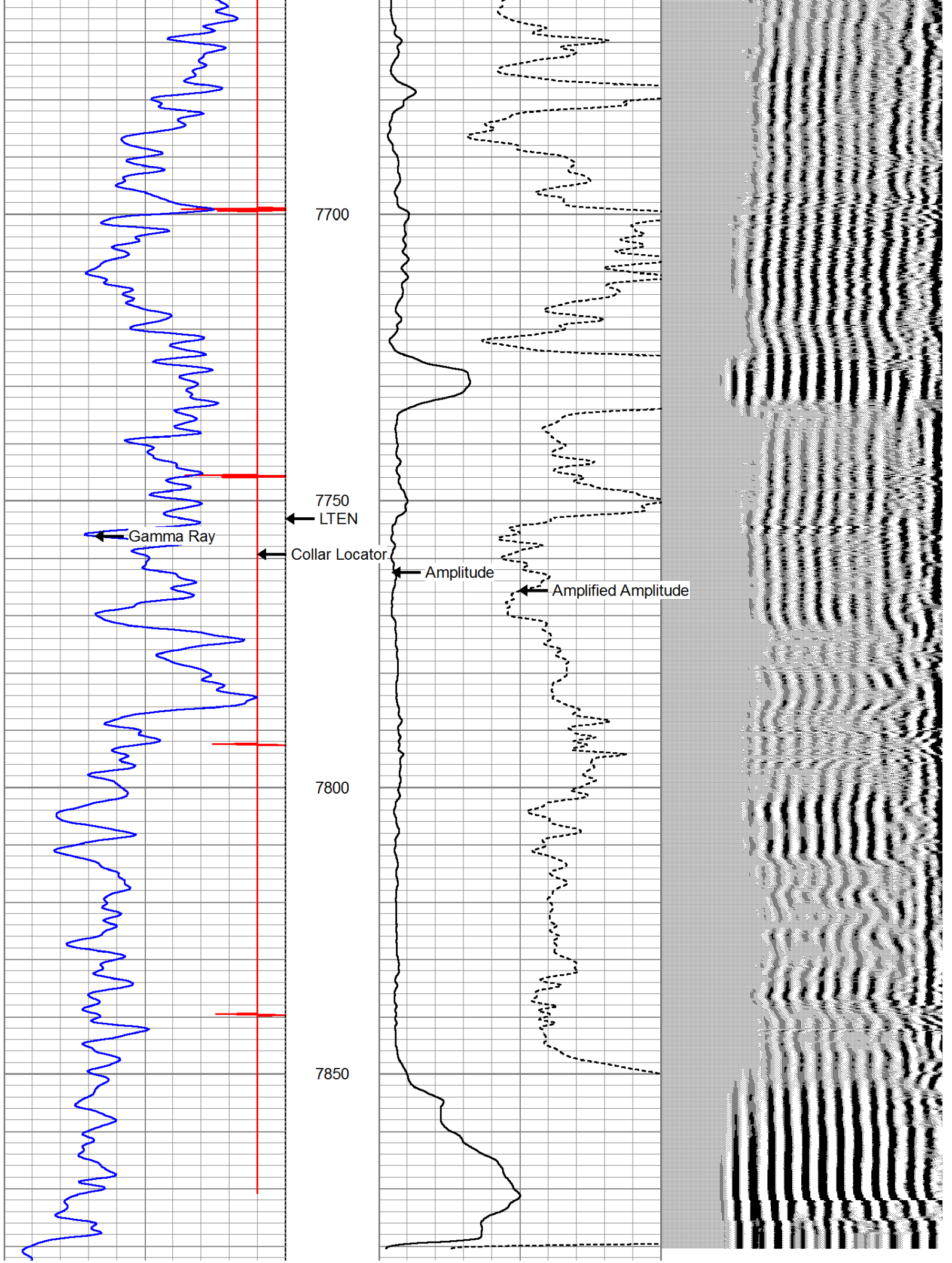
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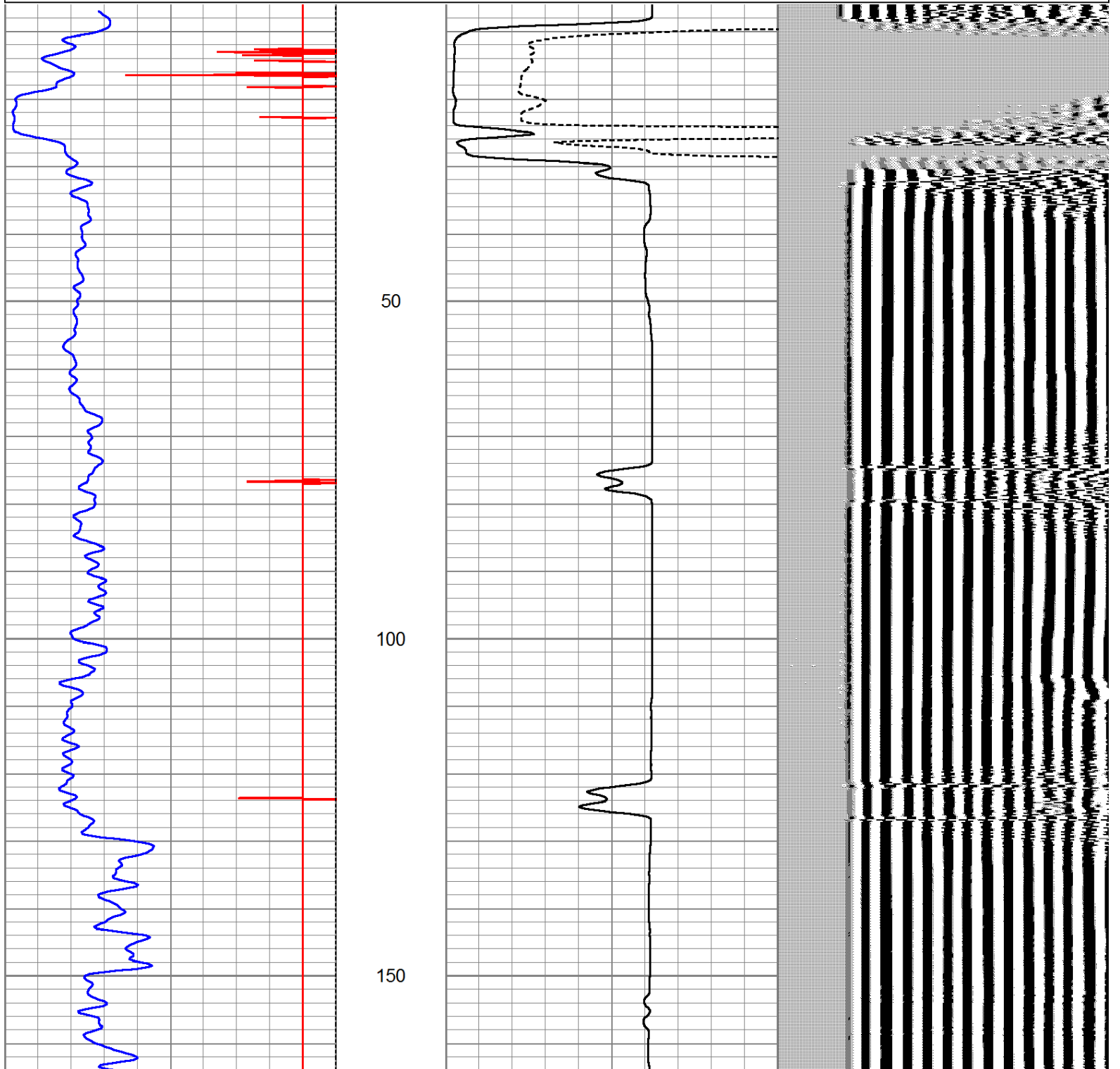


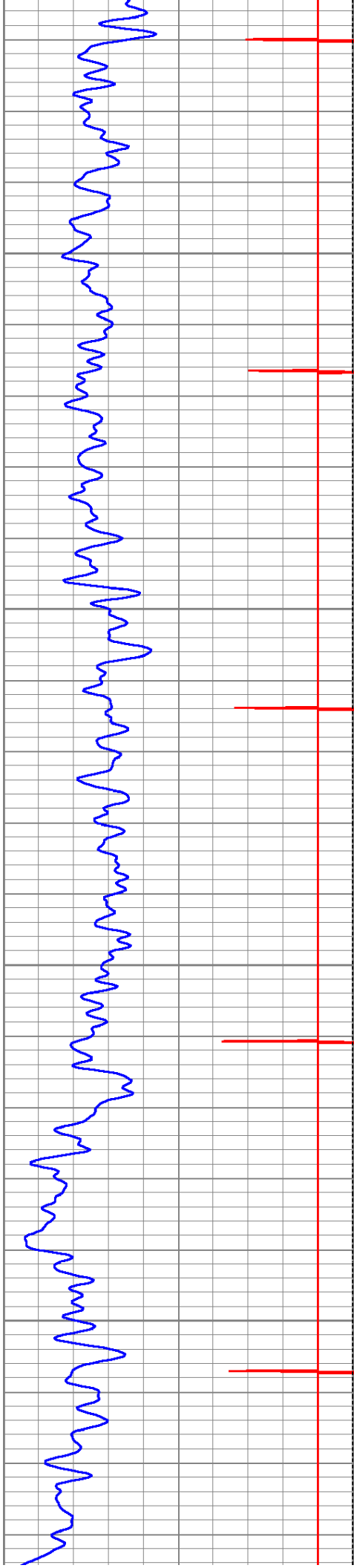


9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb)2000	0	Amplitude (mV)	100		

Database File: moran trust 2-1.db
 Dataset Pathname: pass4
 Presentation Format: cbl_dr
 Dataset Creation: Tue Sep 24 13:26:12 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb)2000	0	Amplitude (mV)	100		



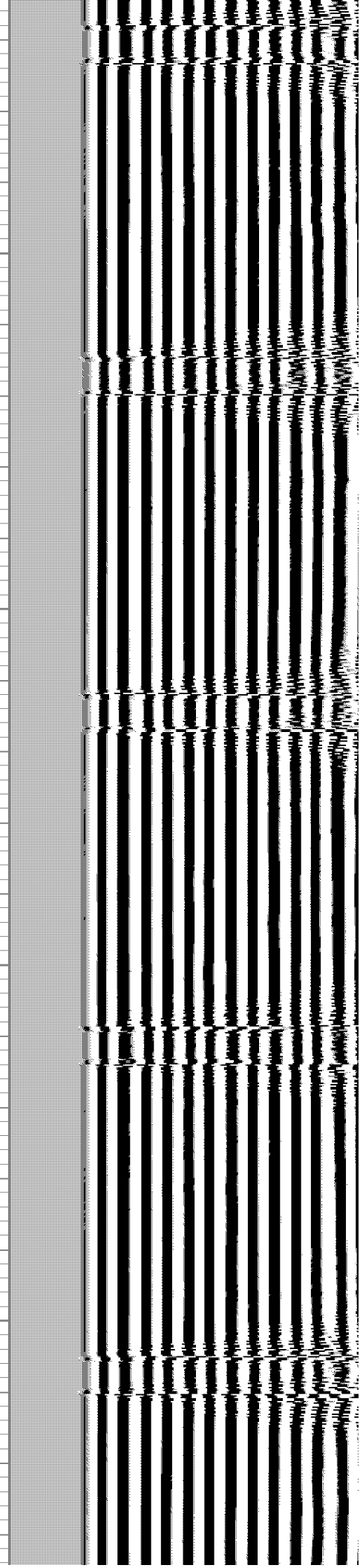
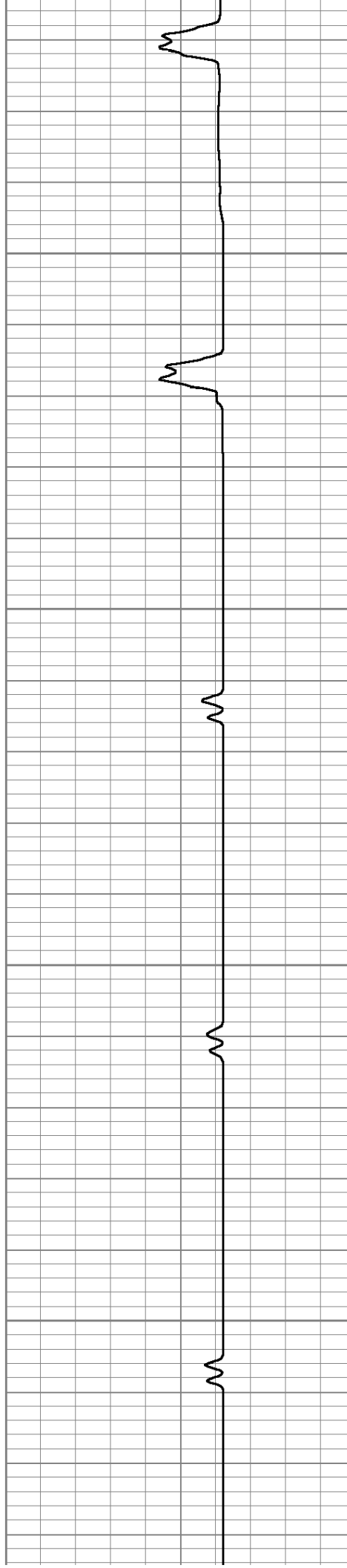


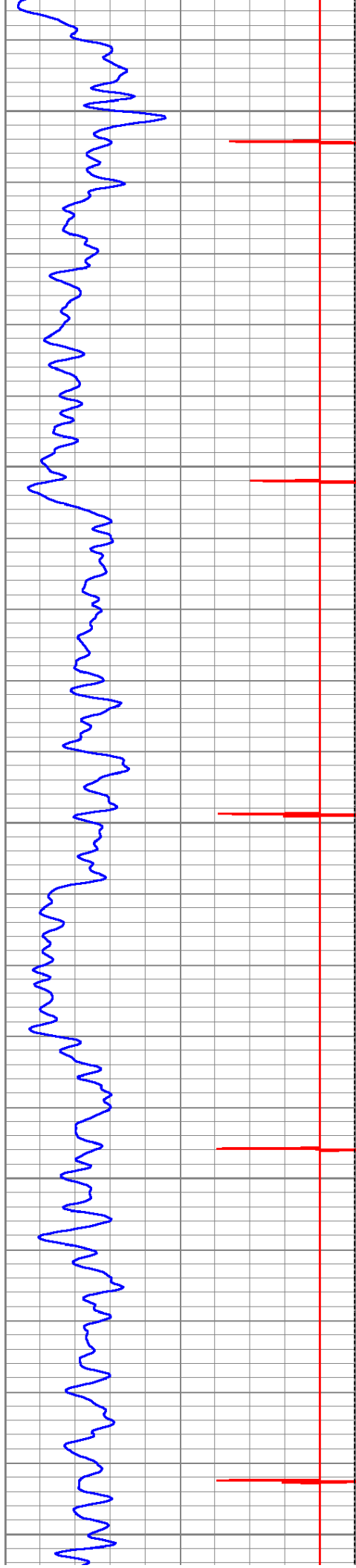
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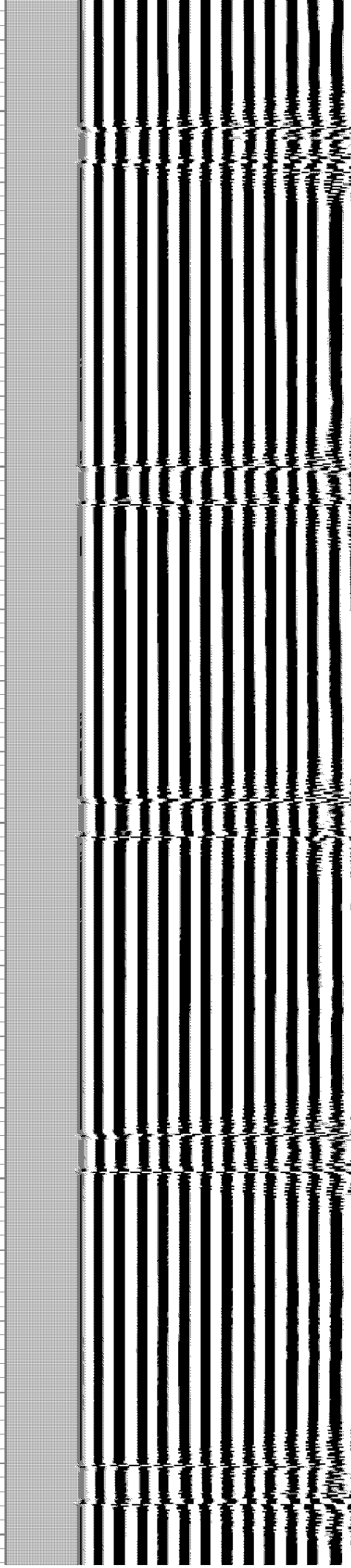
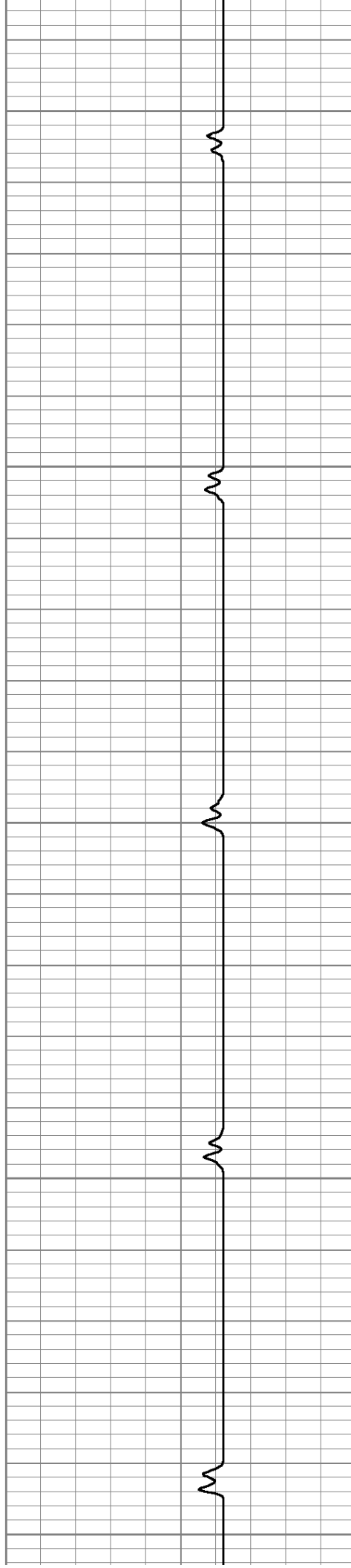
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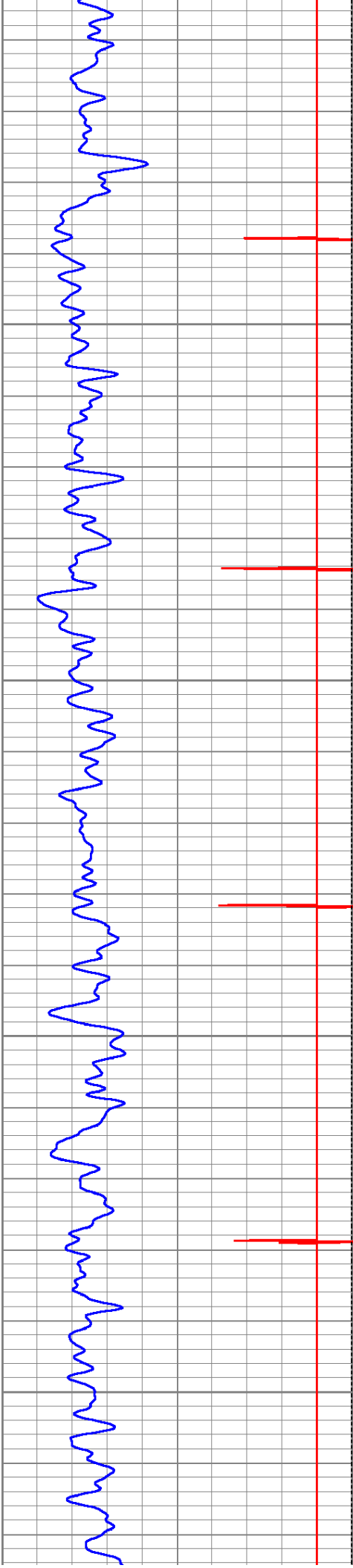
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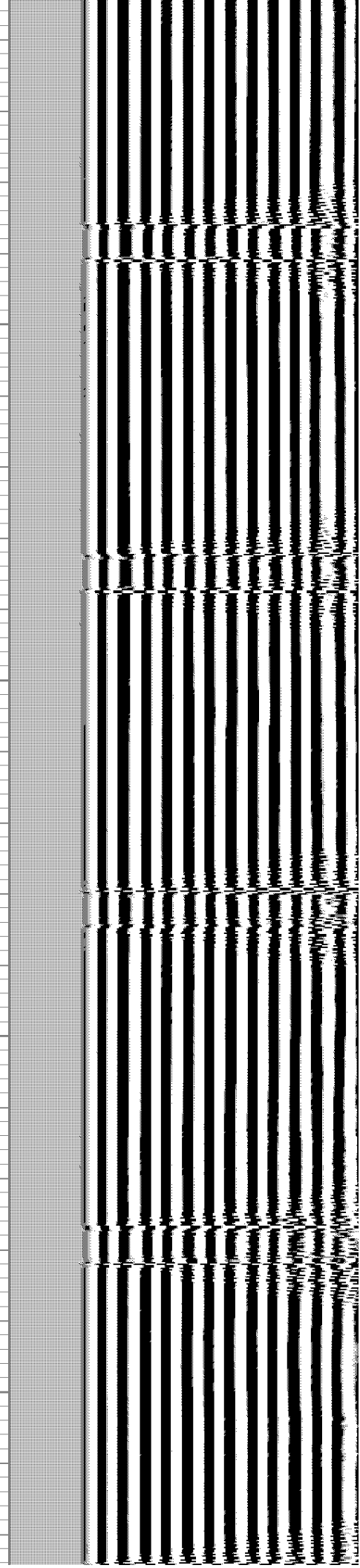
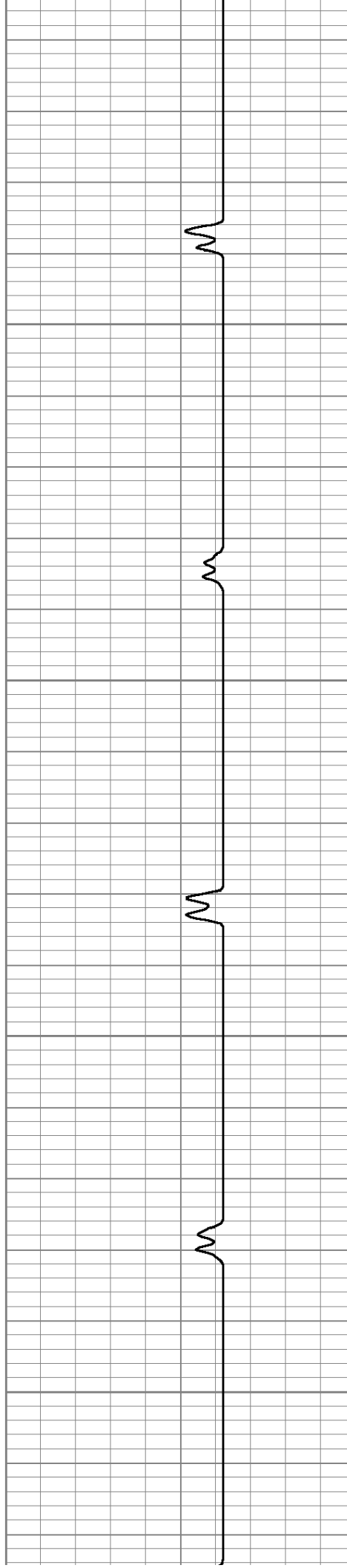


650

700

750

800



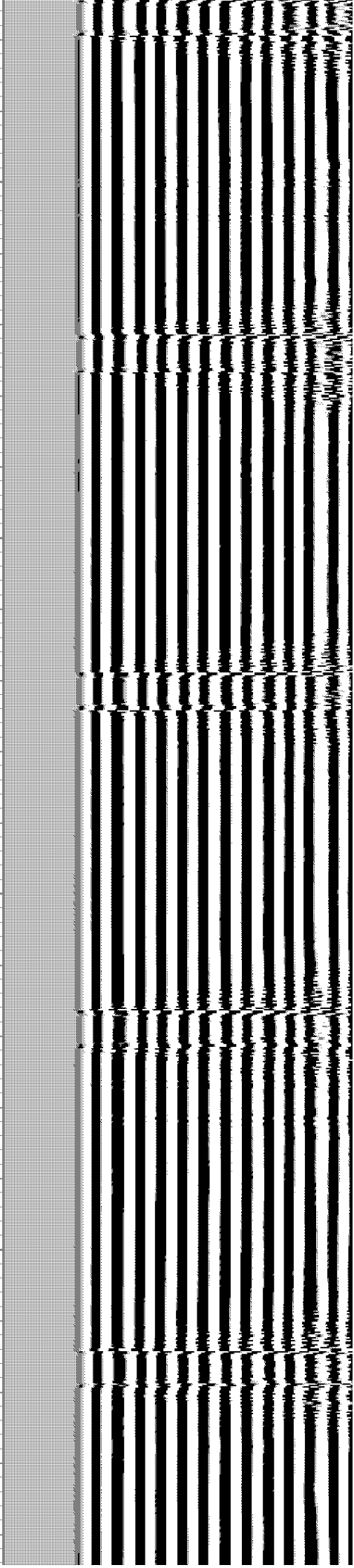
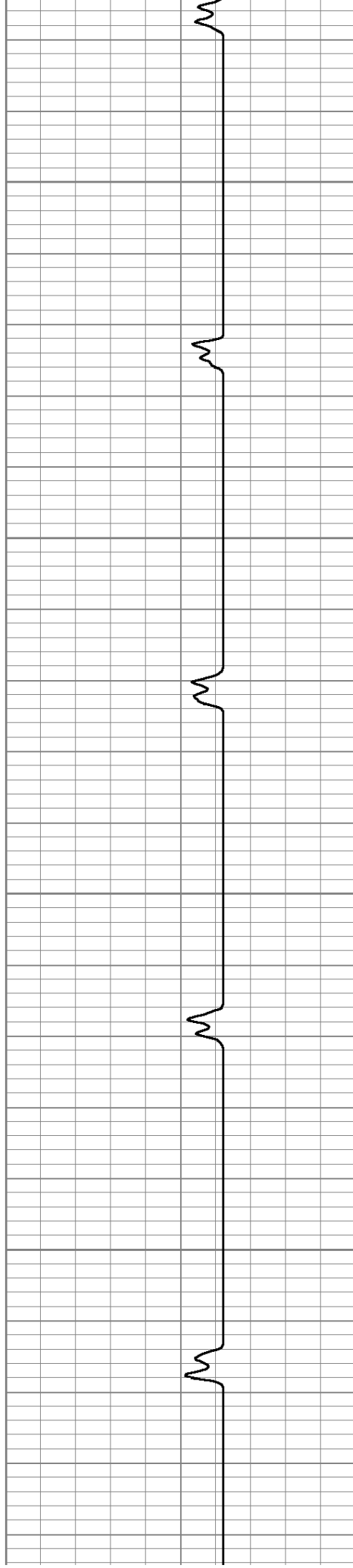


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900

950

1000





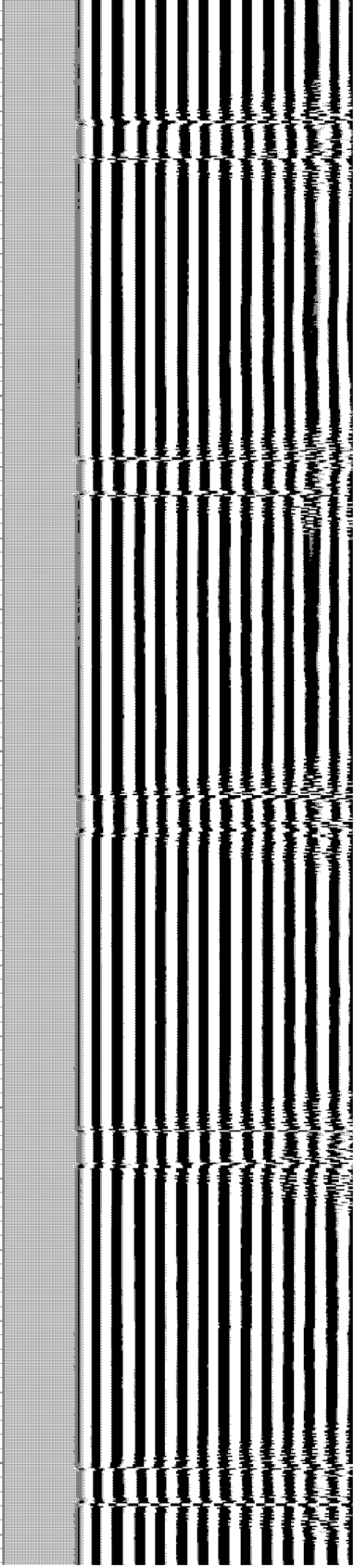
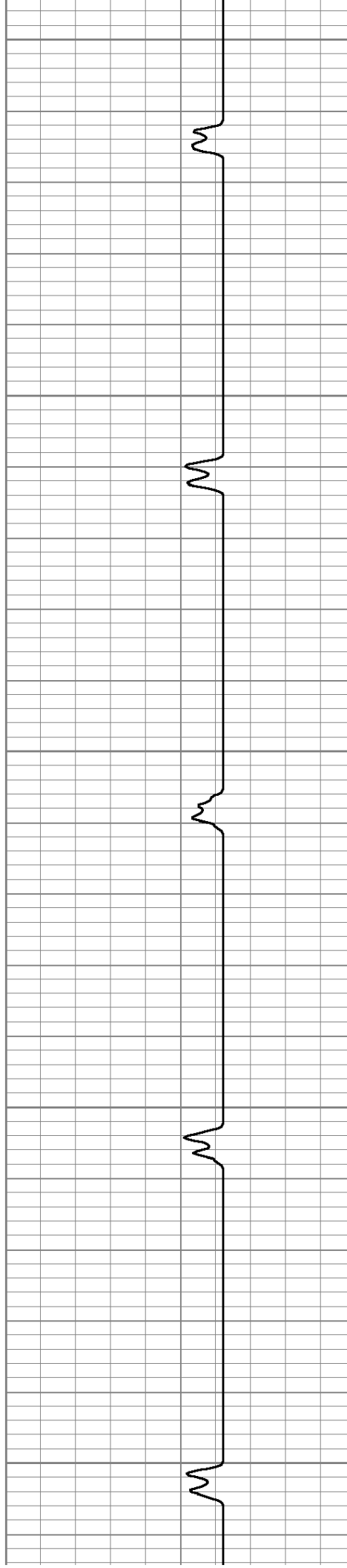
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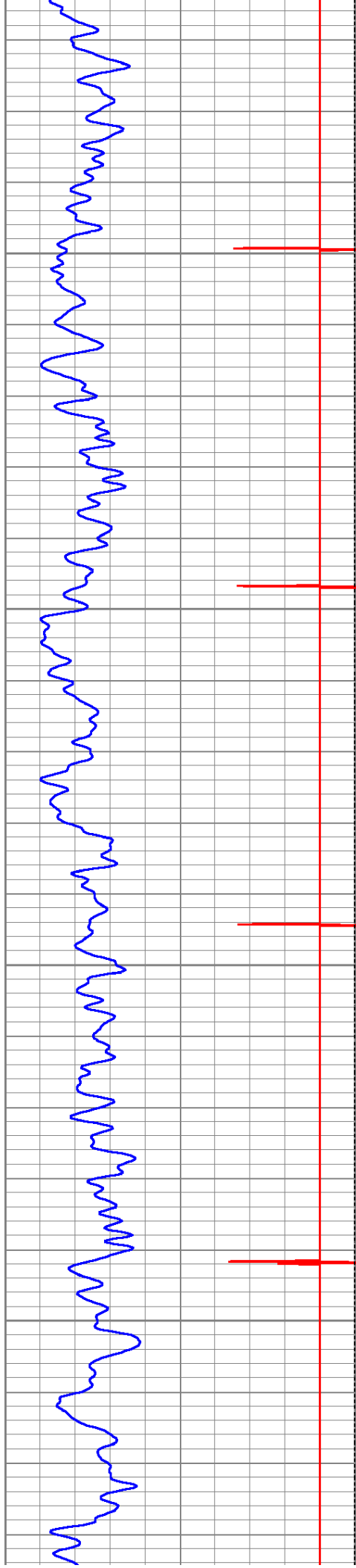
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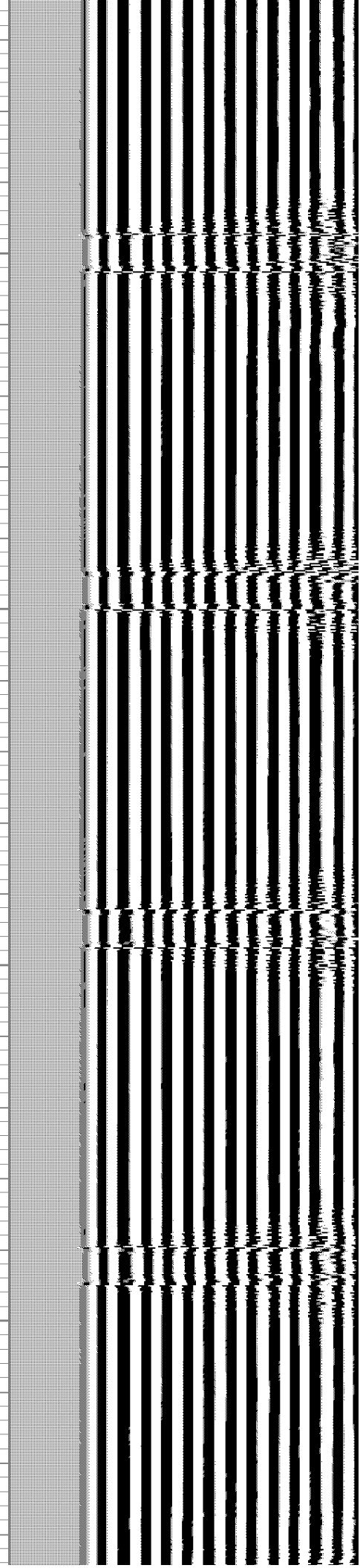
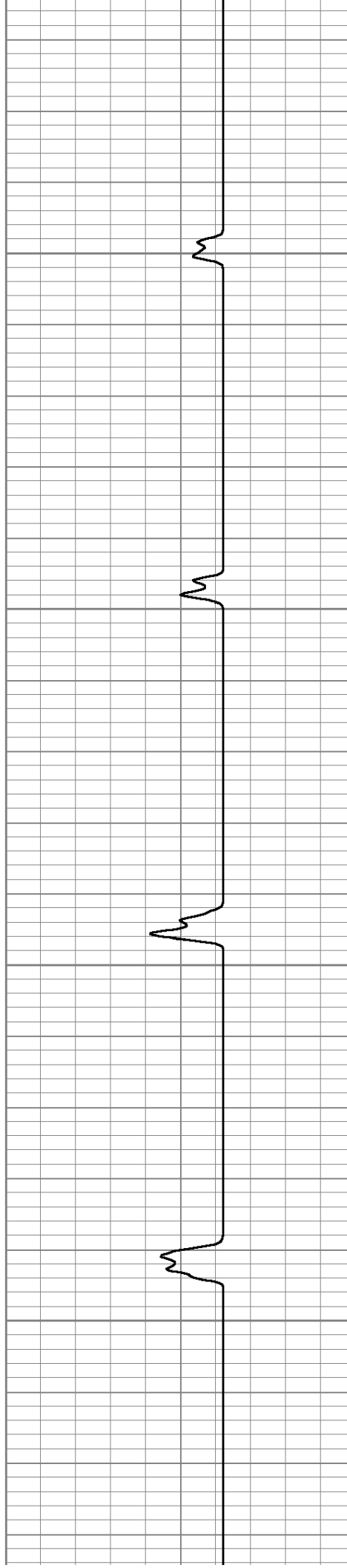


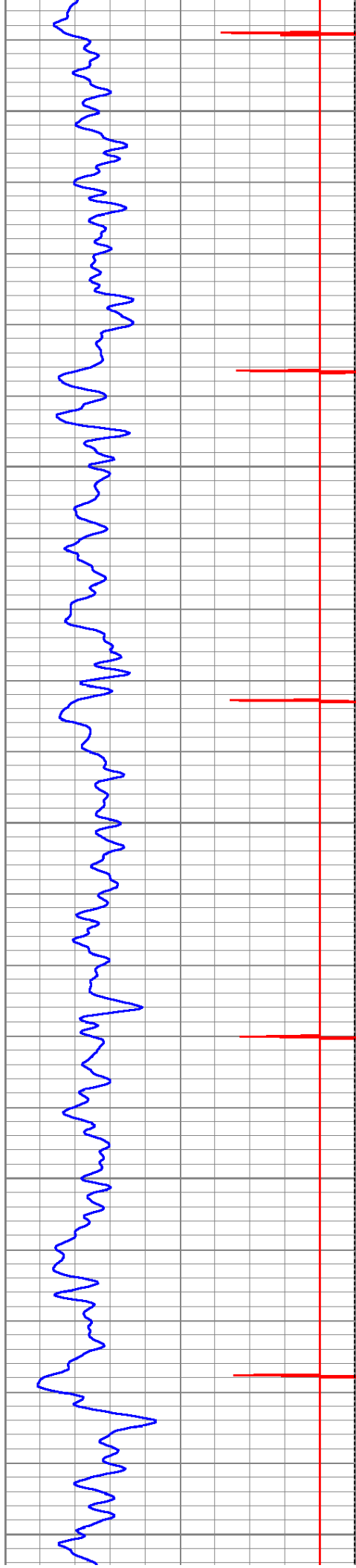
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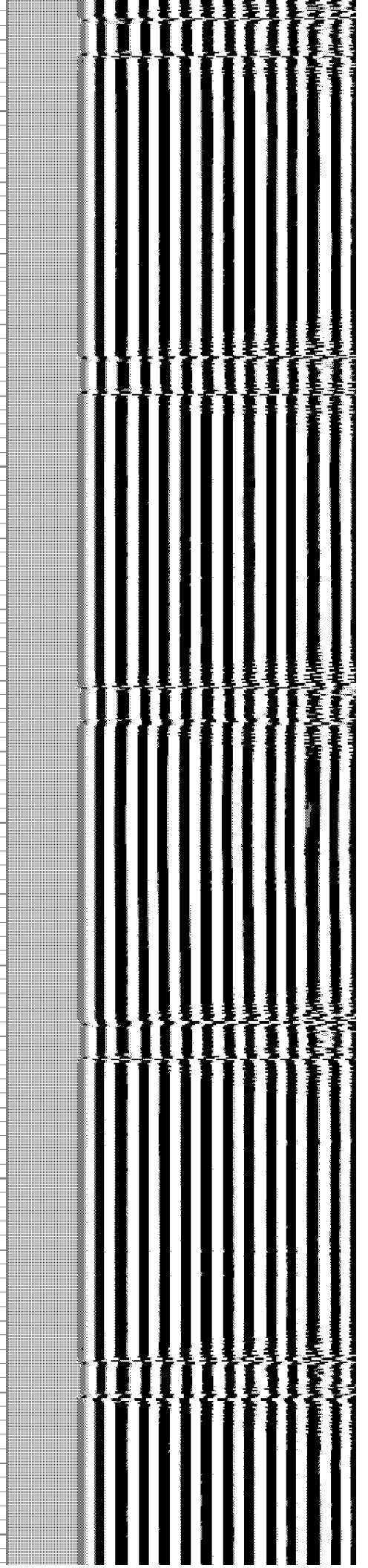
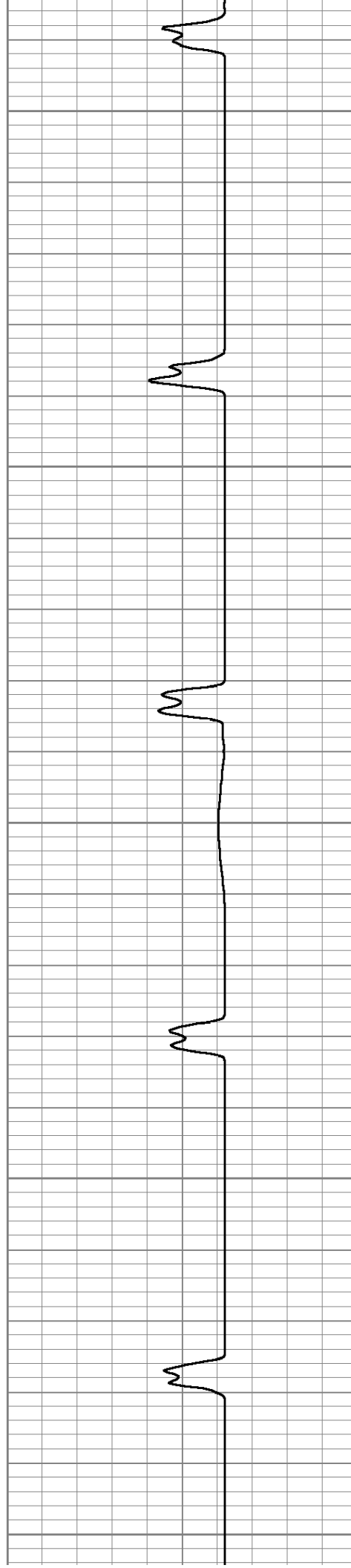
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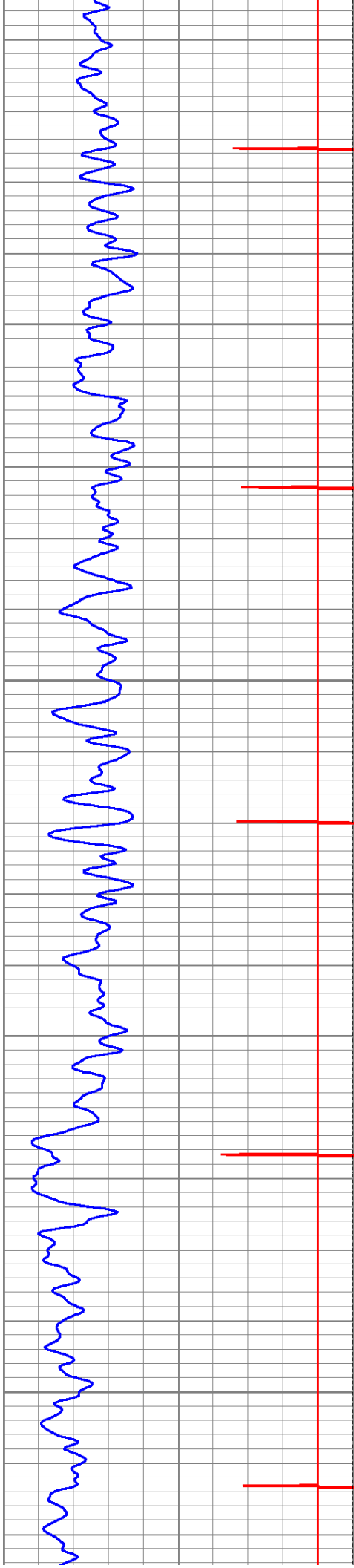
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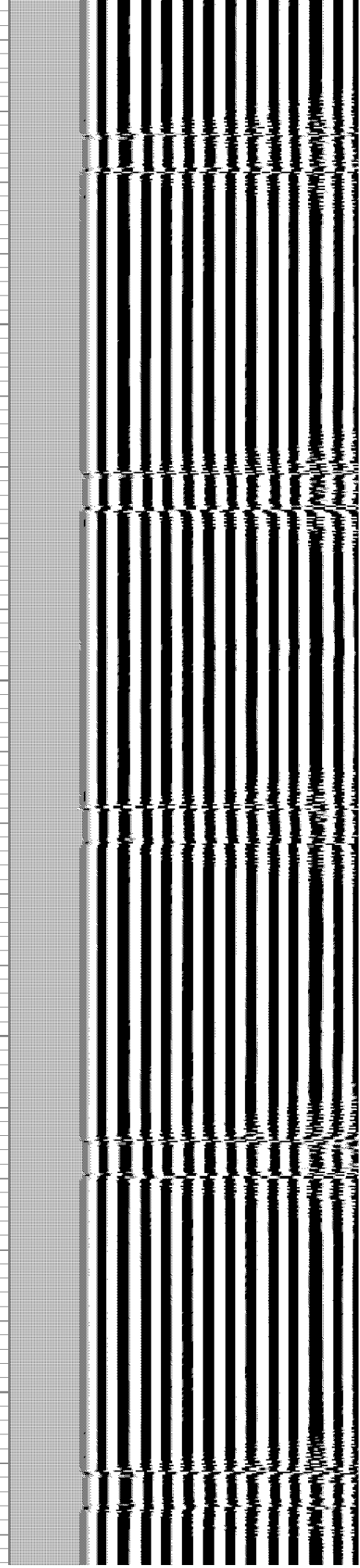
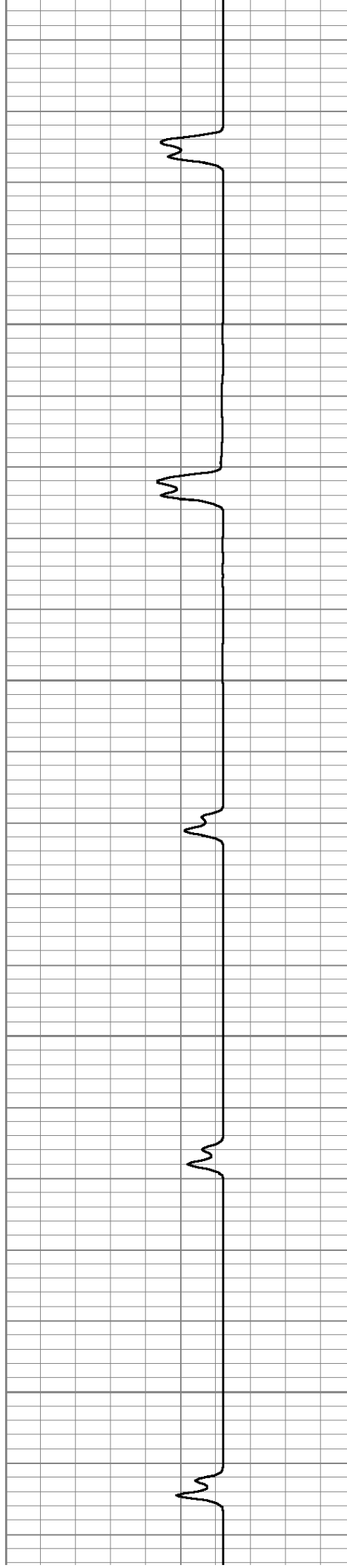


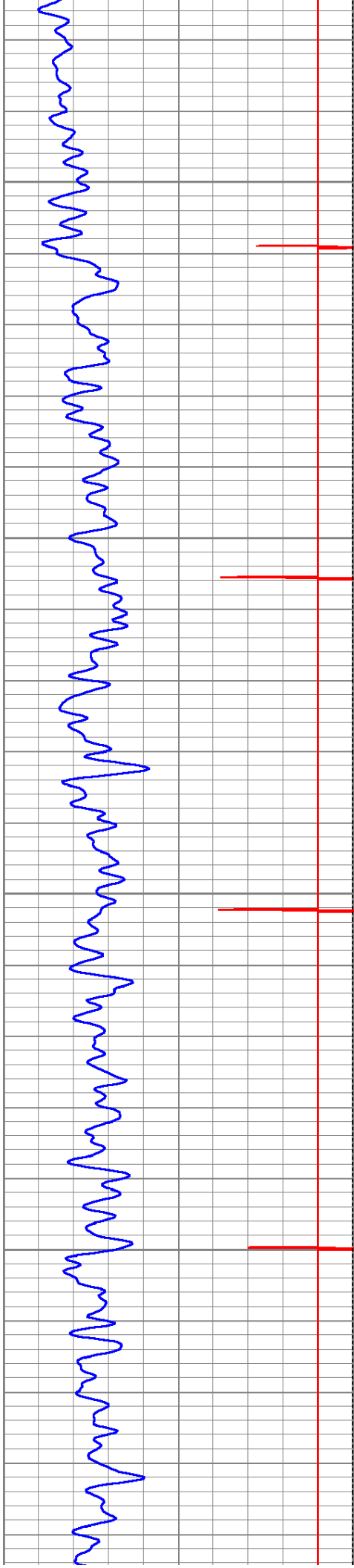
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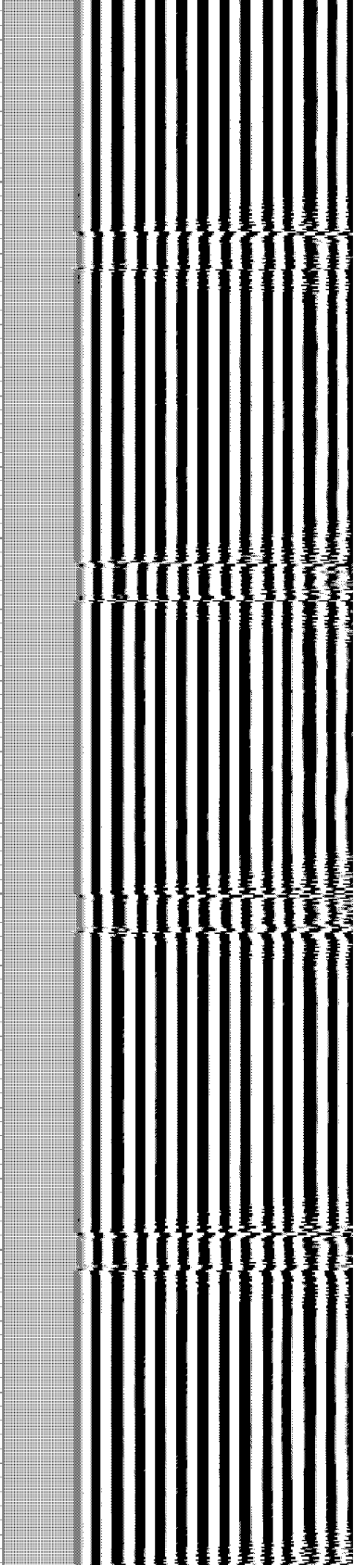
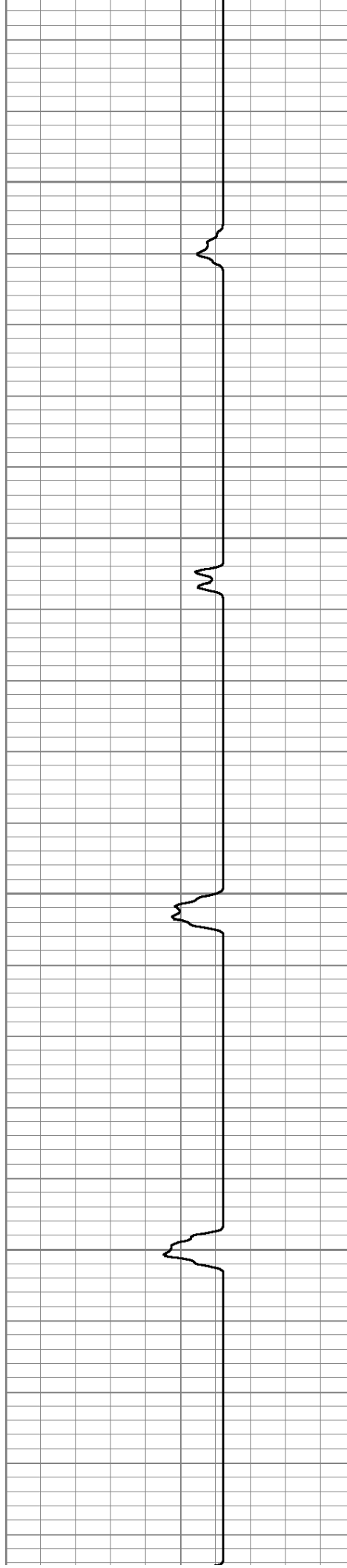


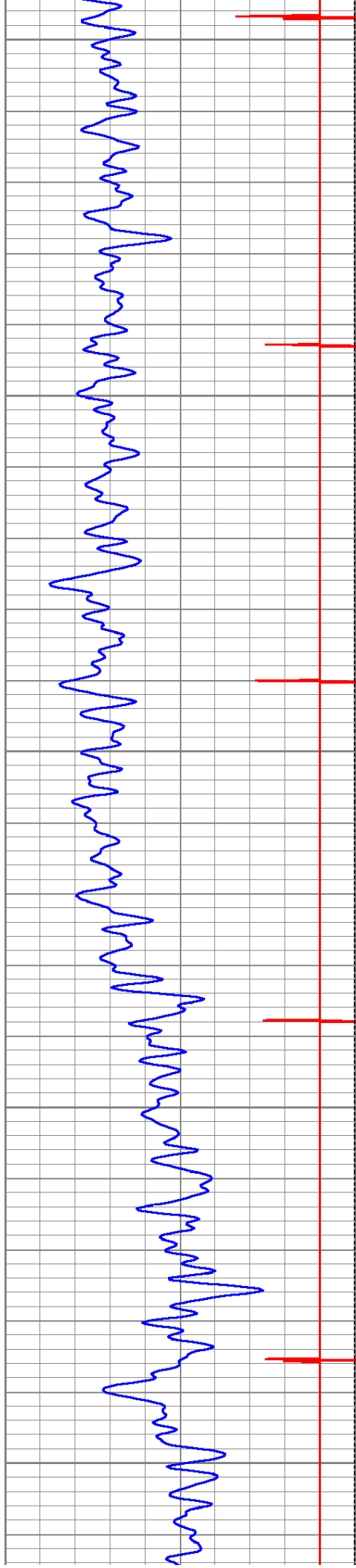
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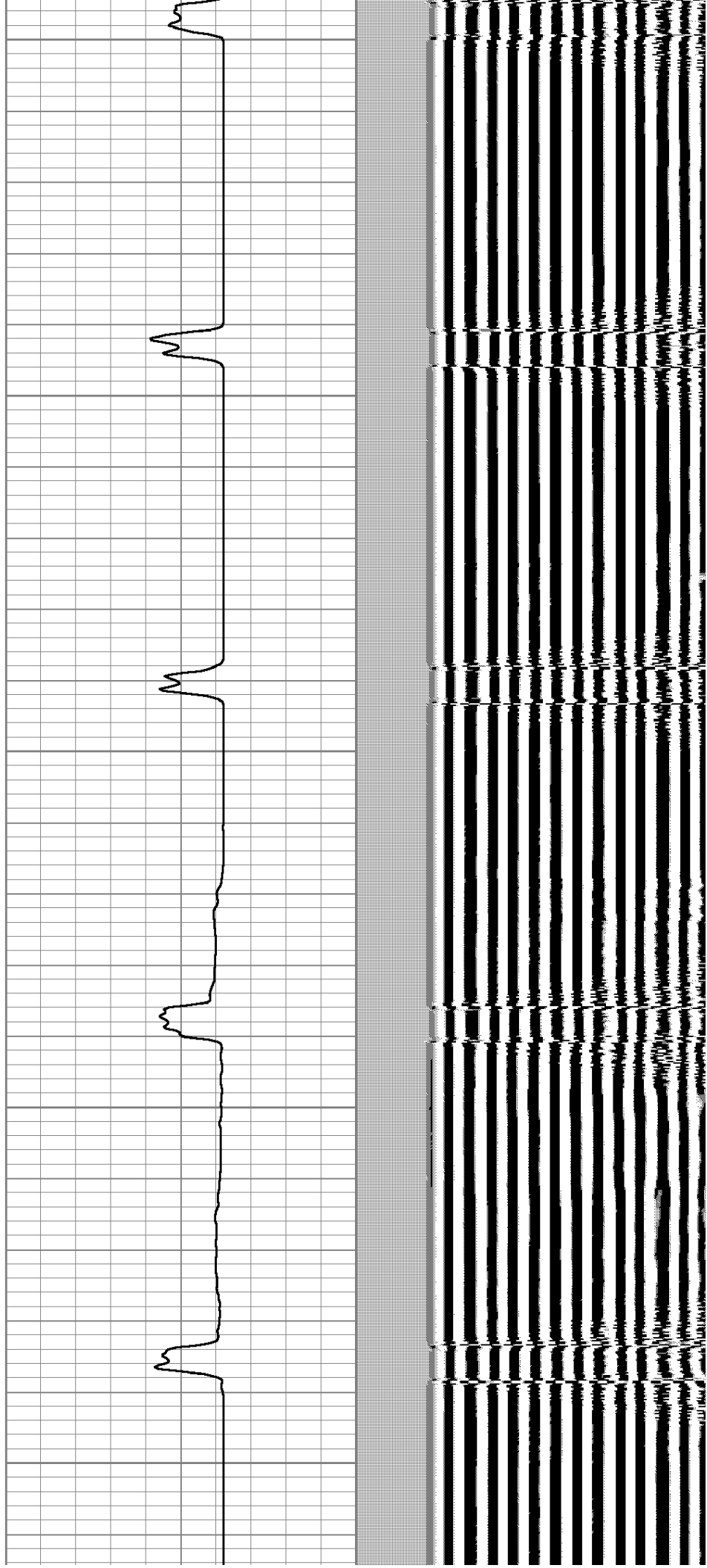
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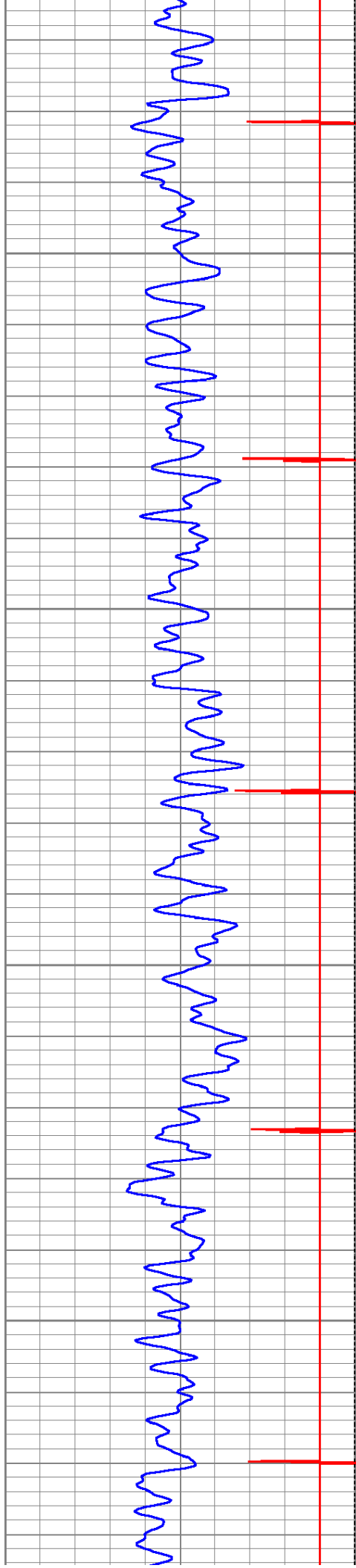
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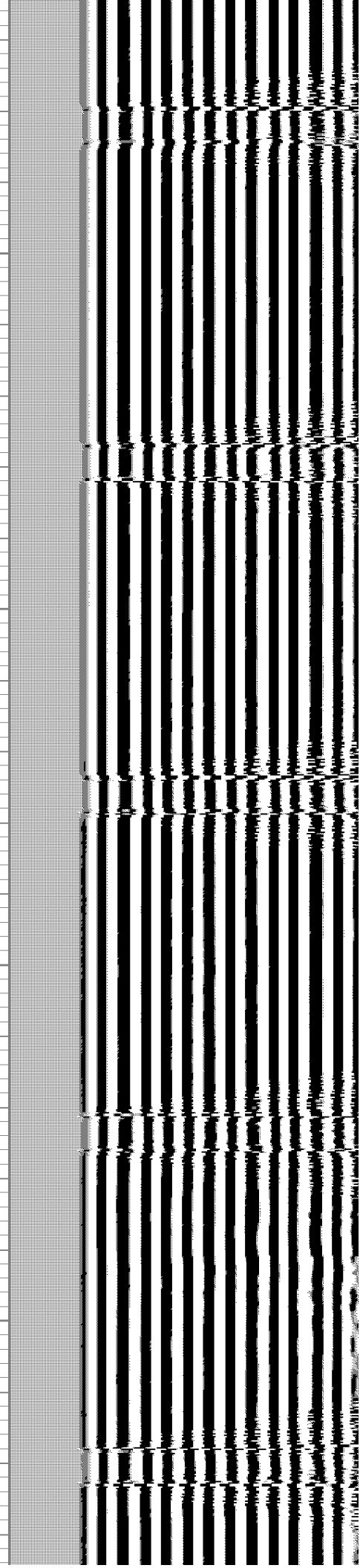
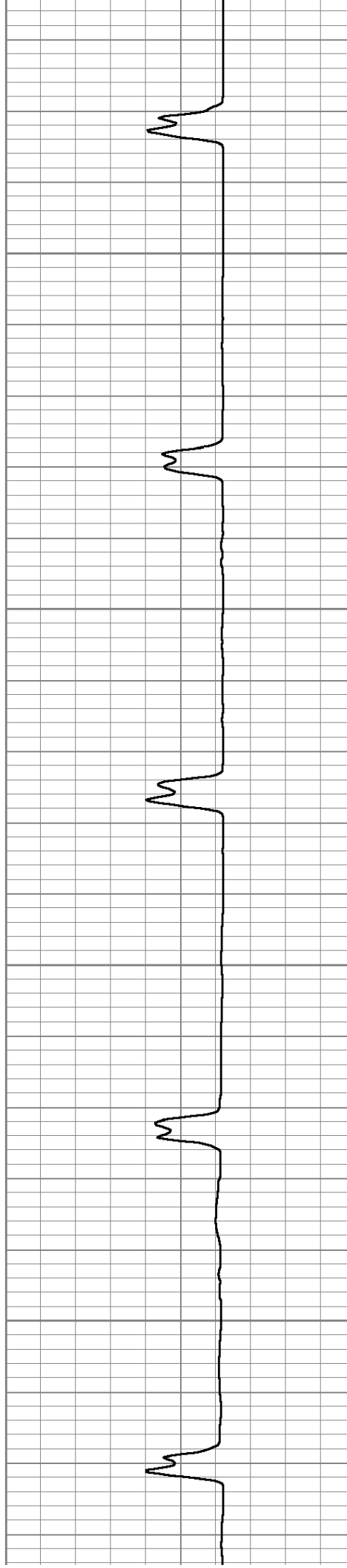


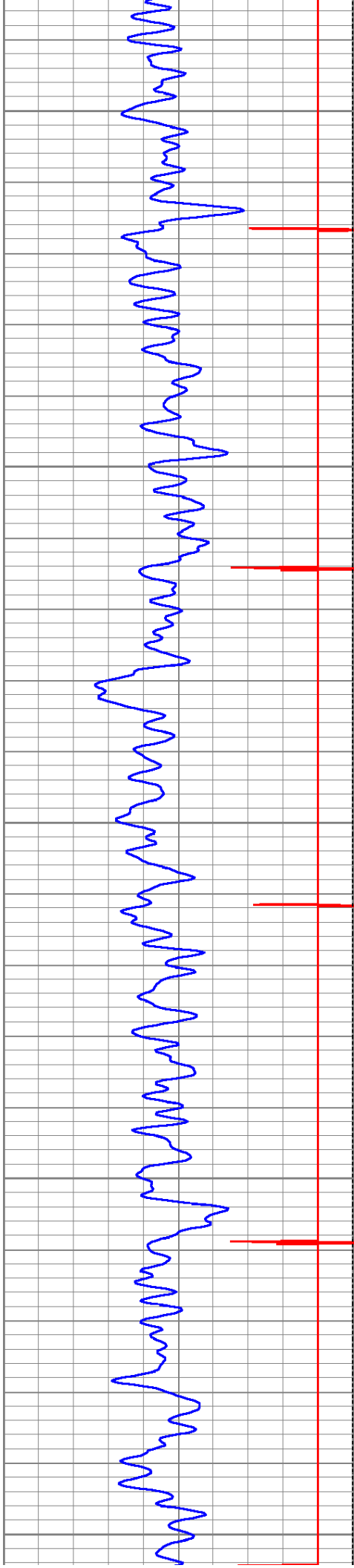
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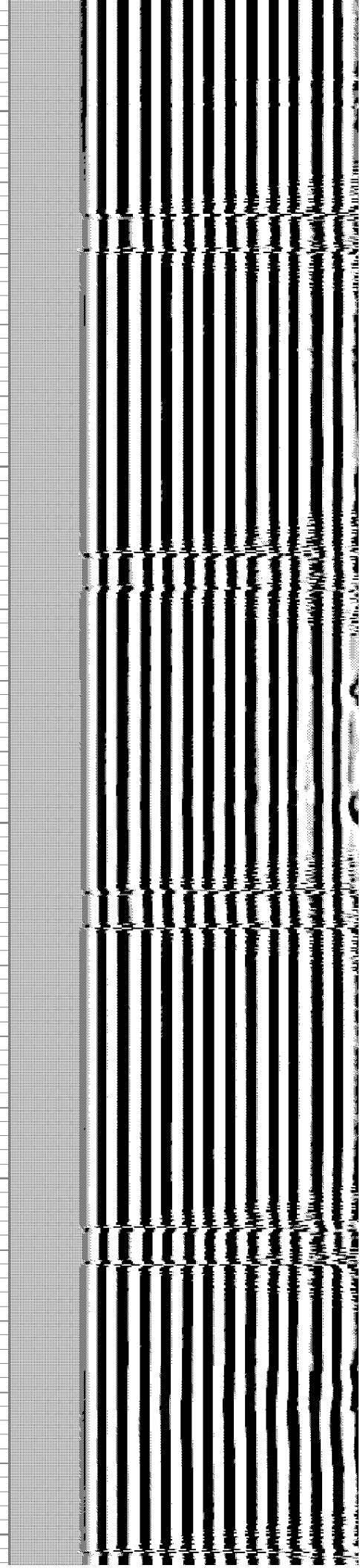
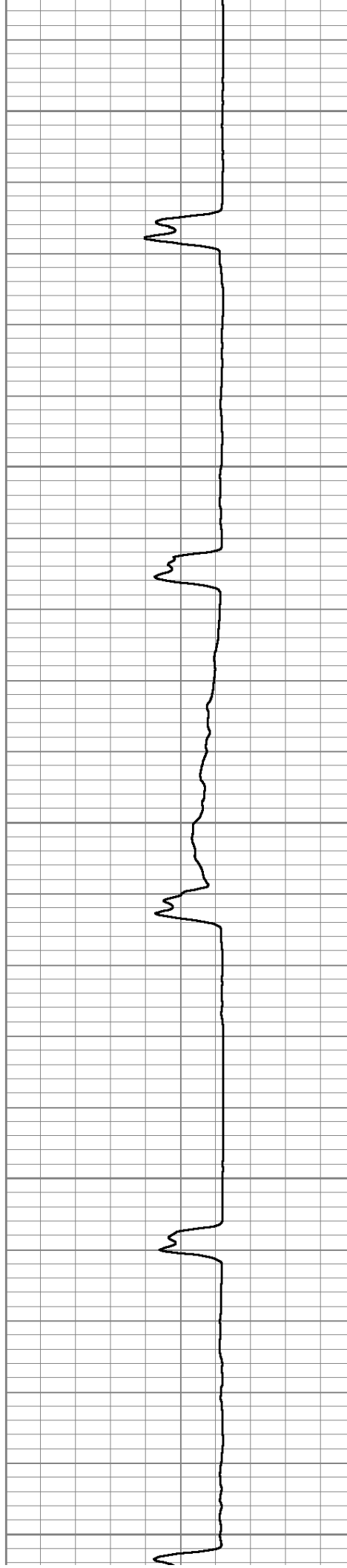
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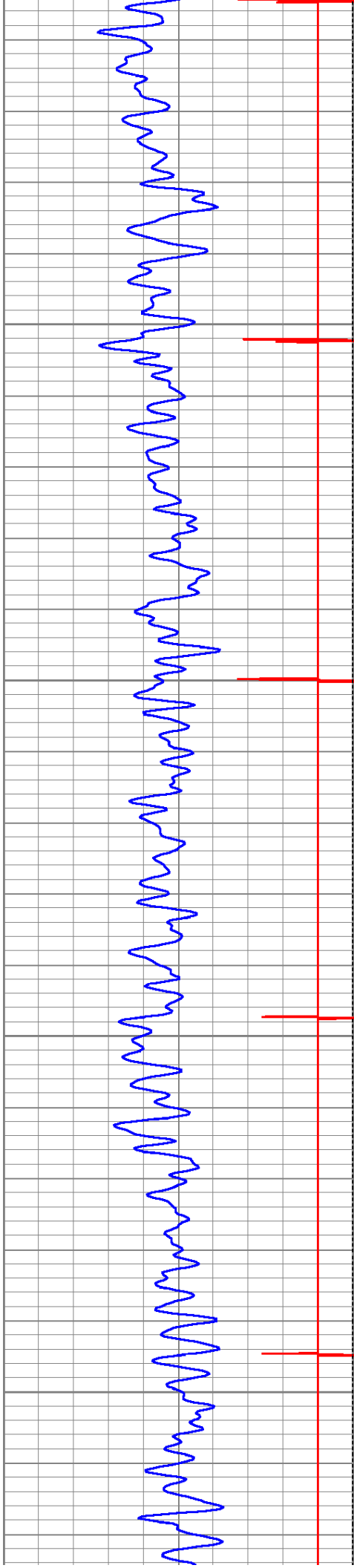
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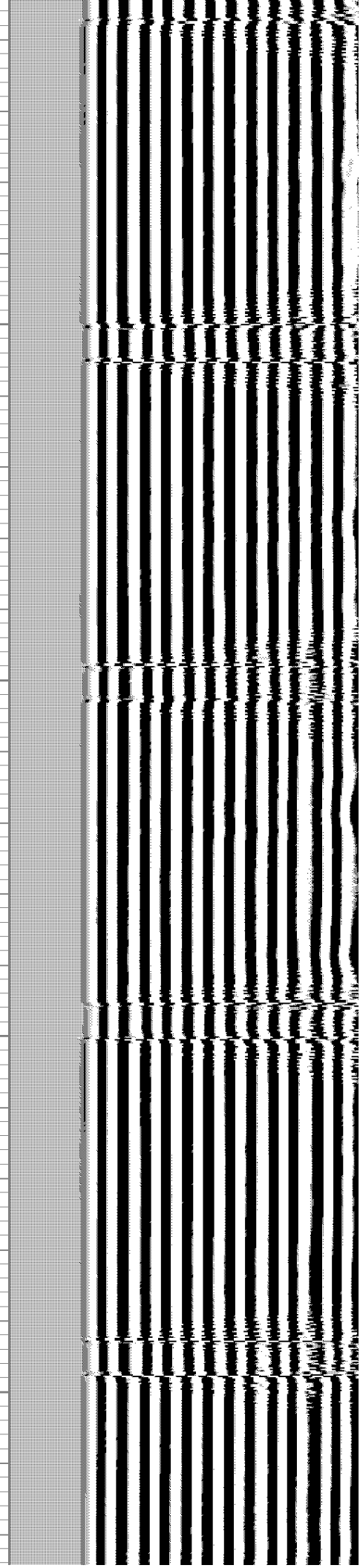
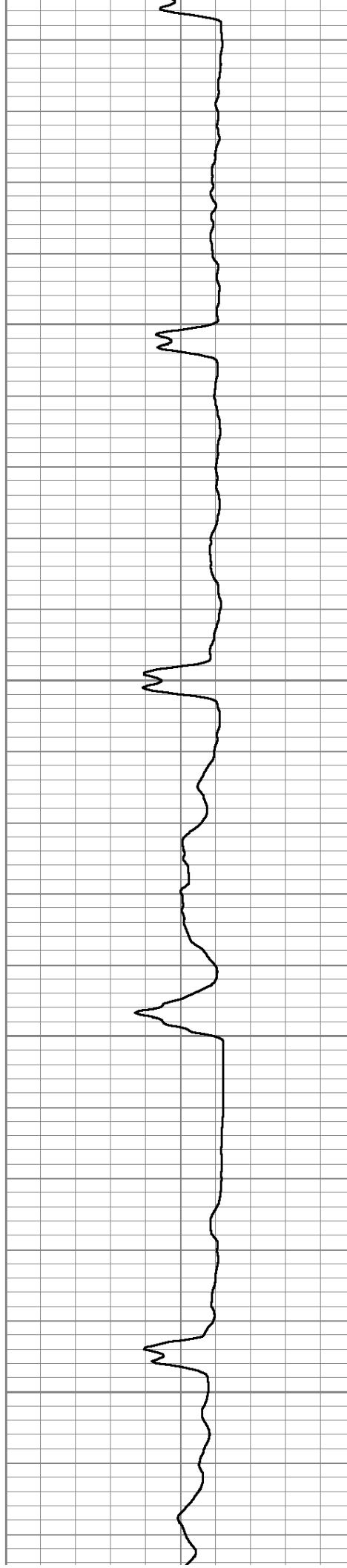


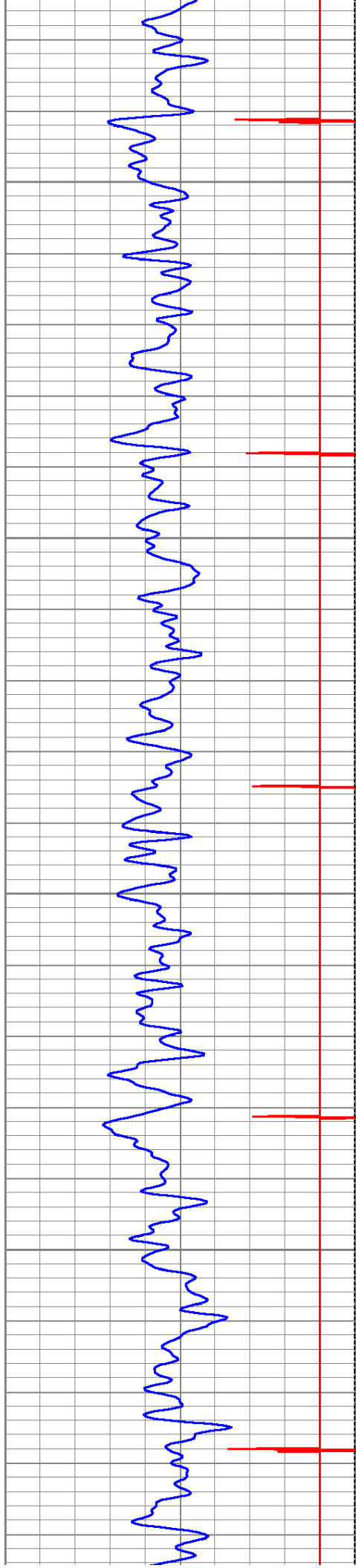
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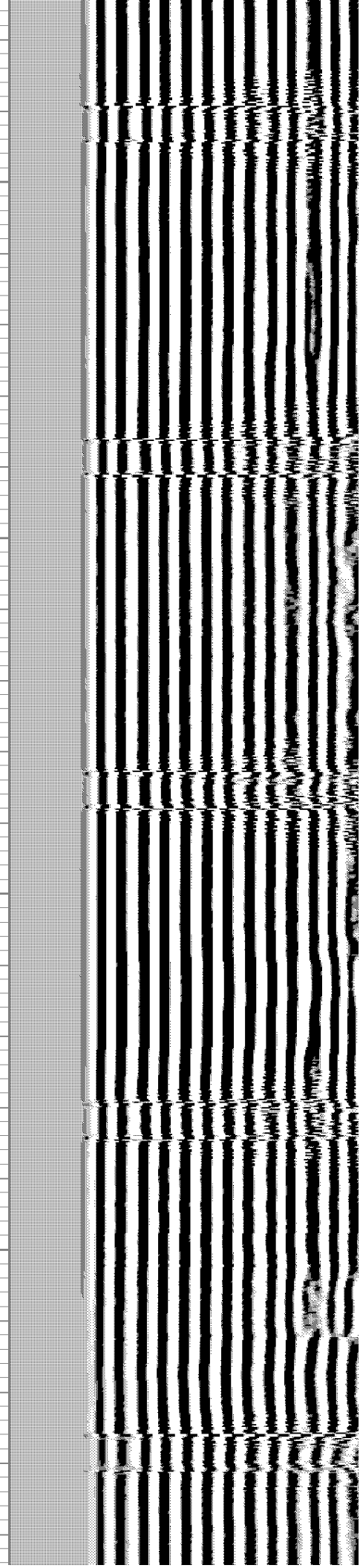
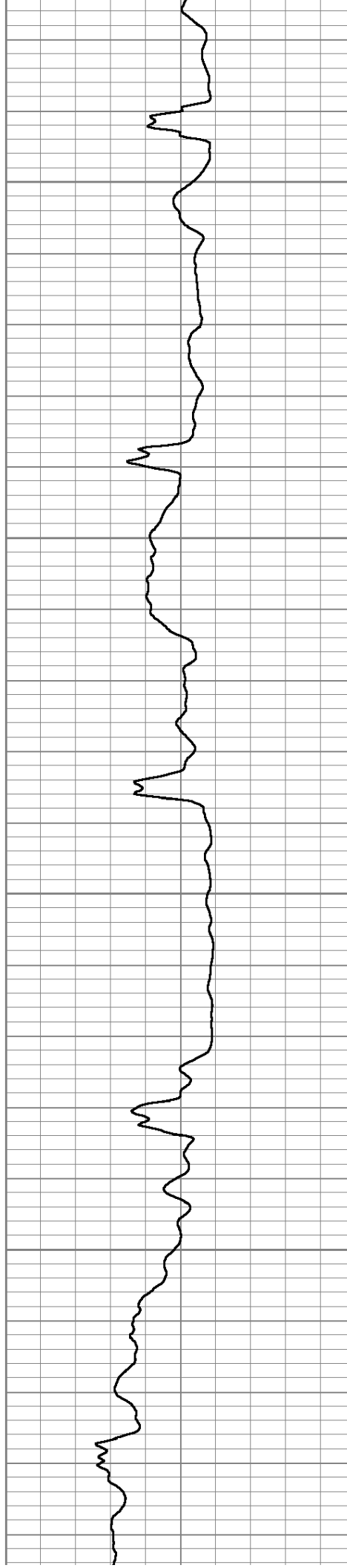


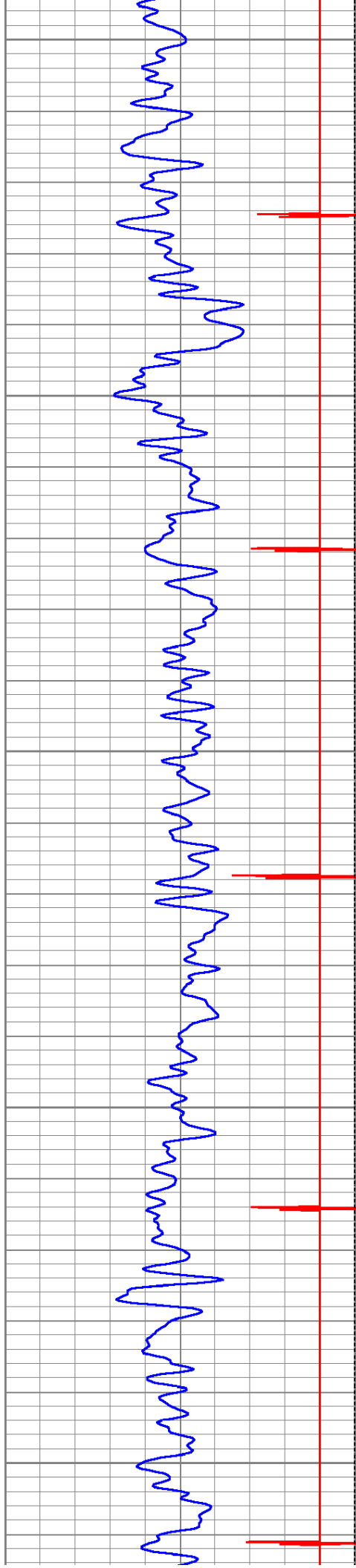
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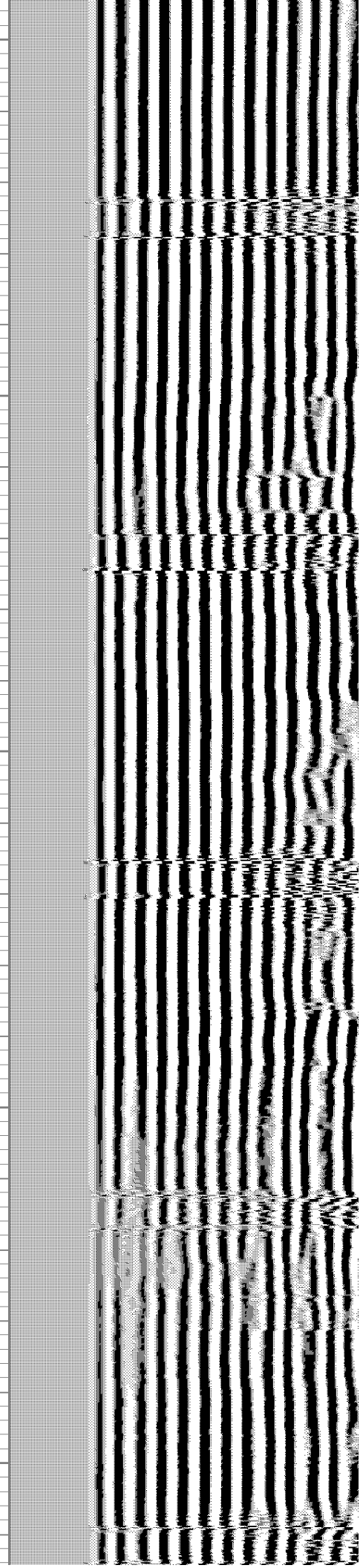
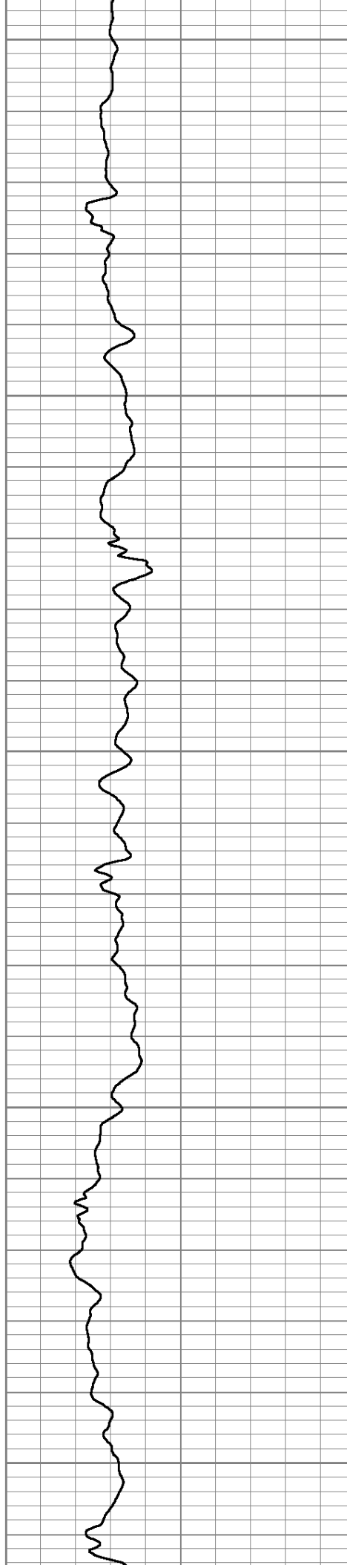
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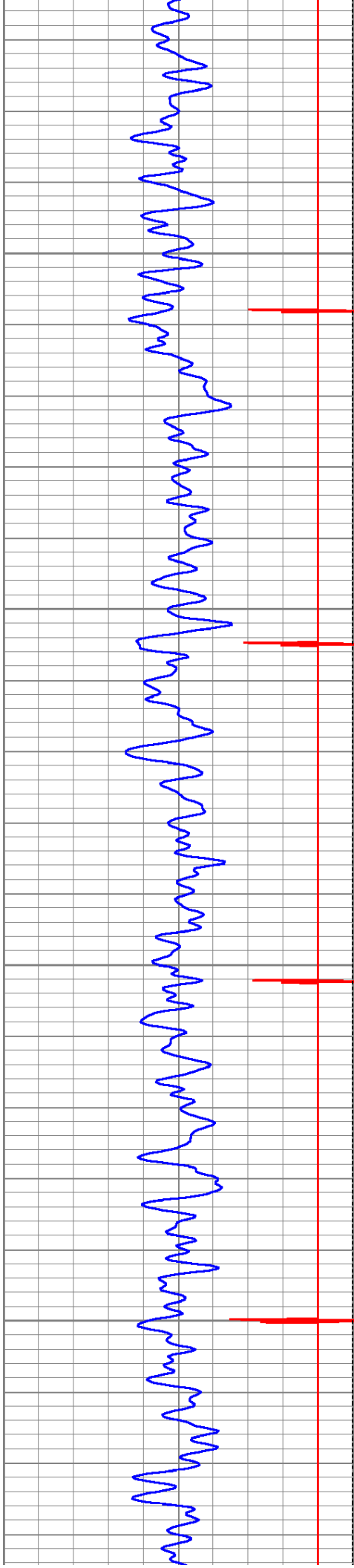
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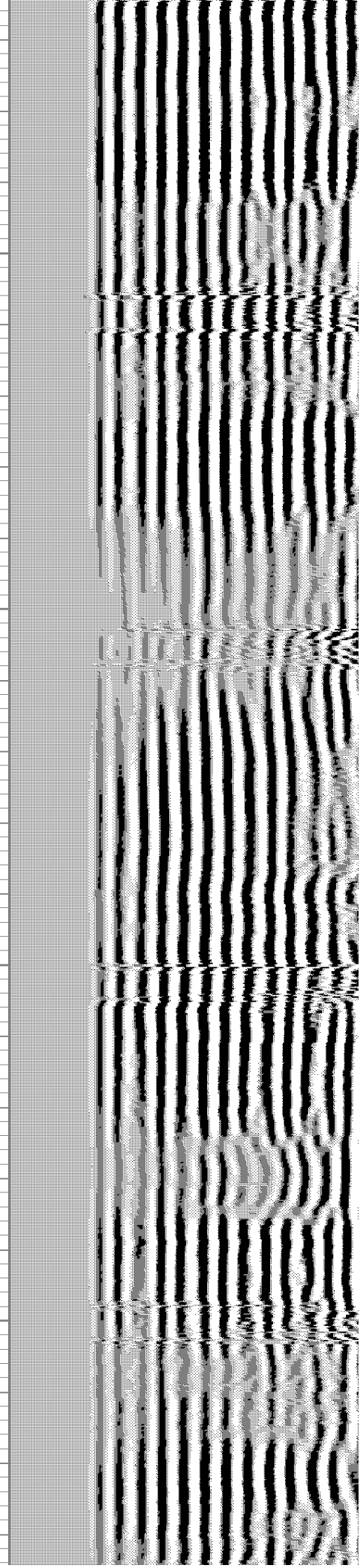
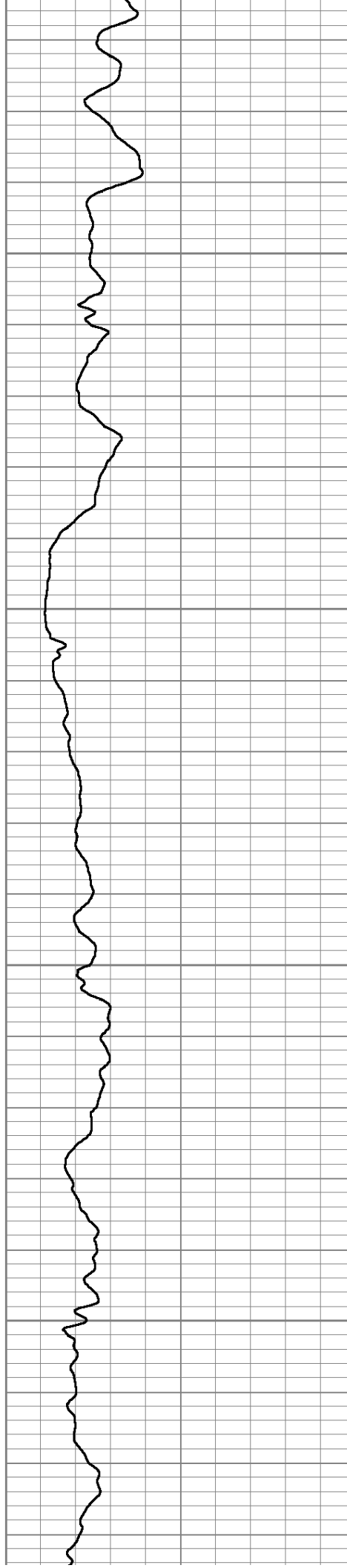


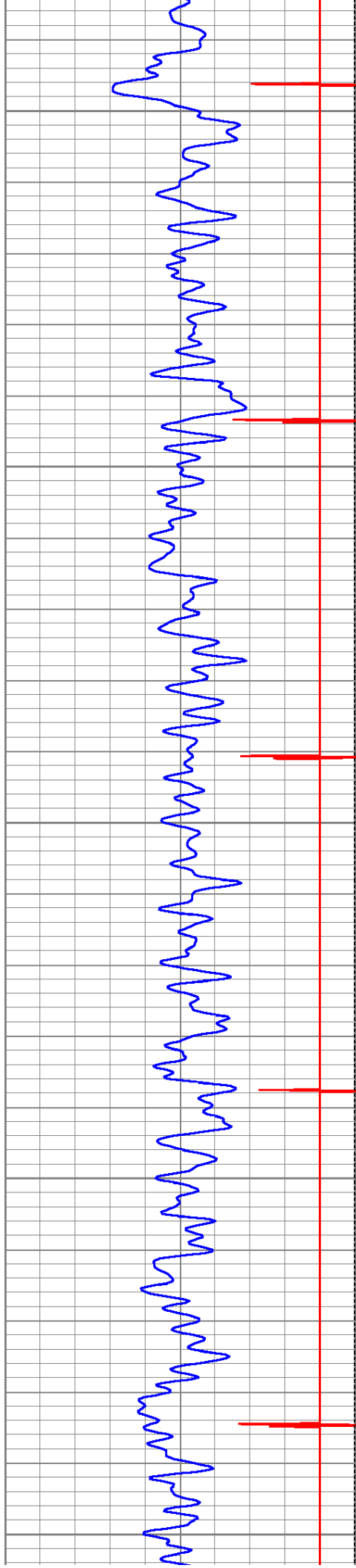
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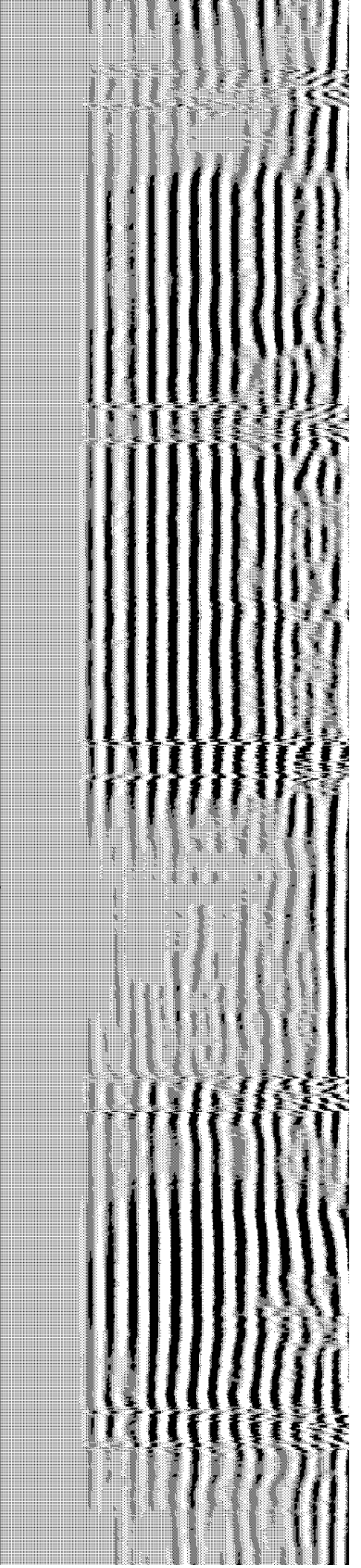
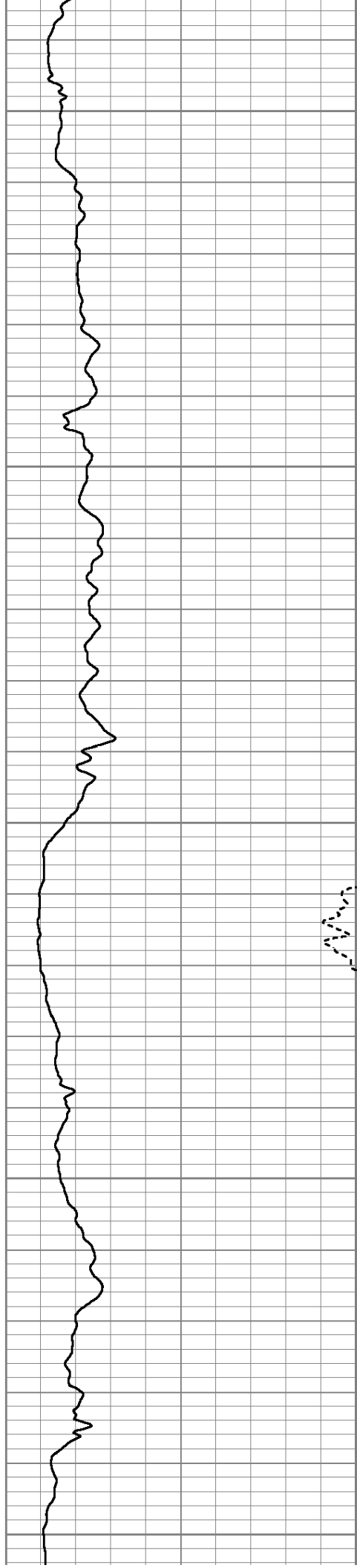
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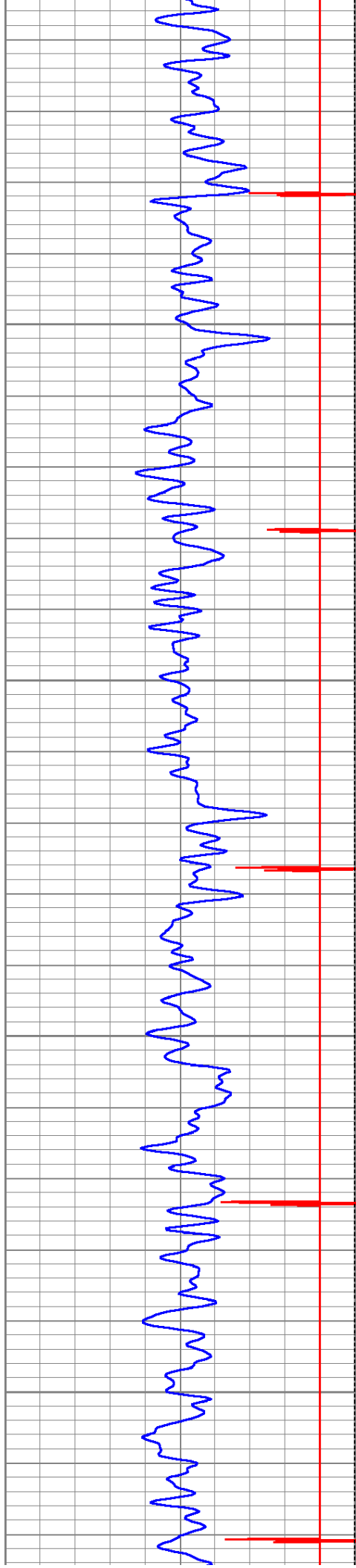
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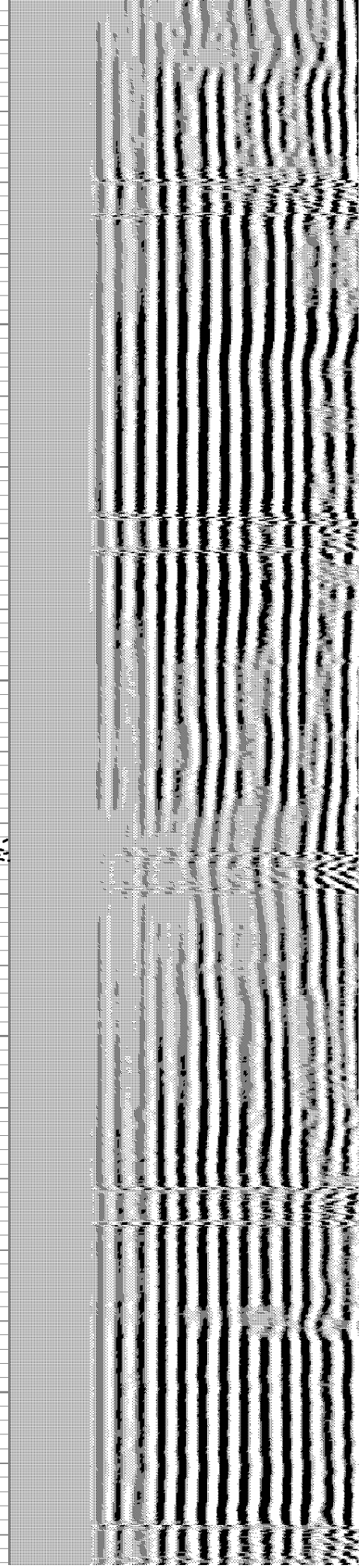
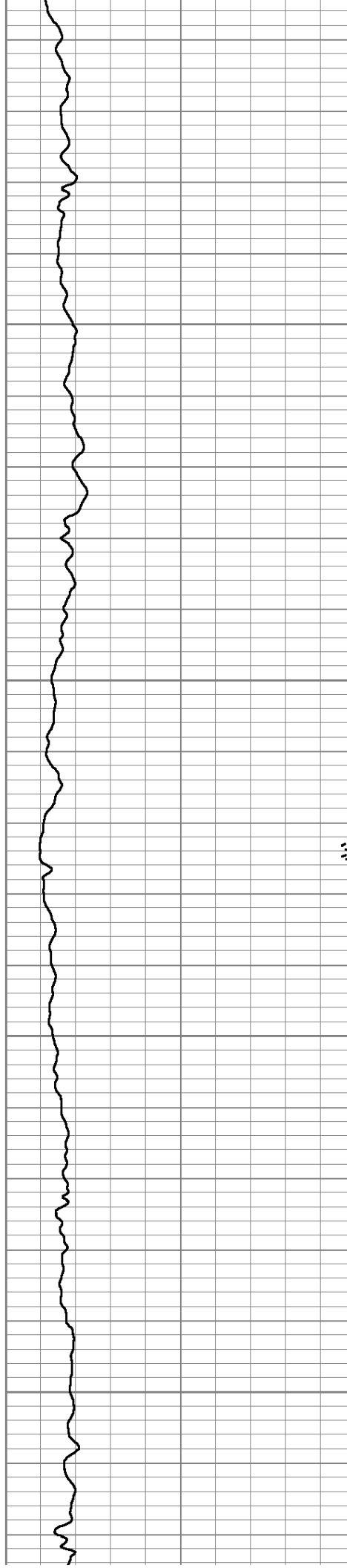


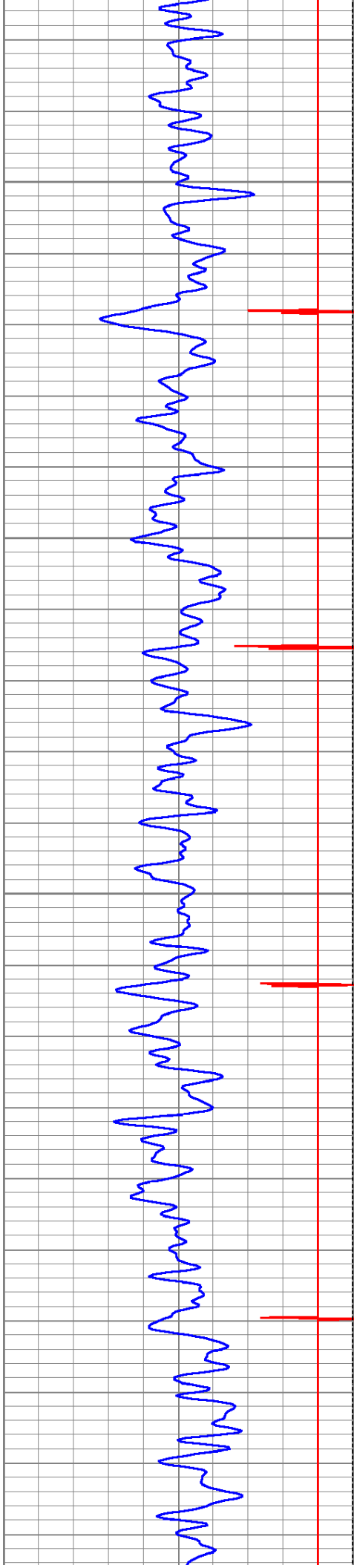
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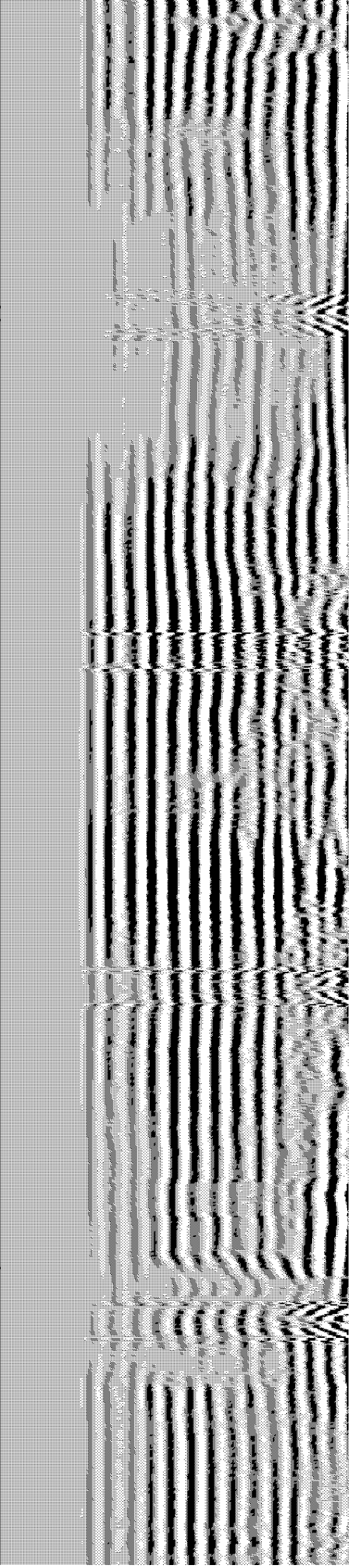
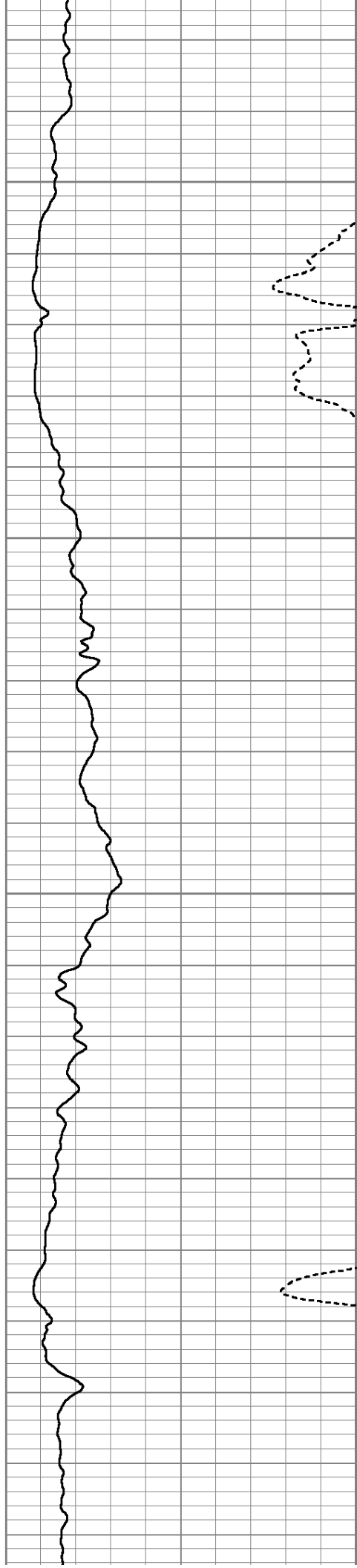


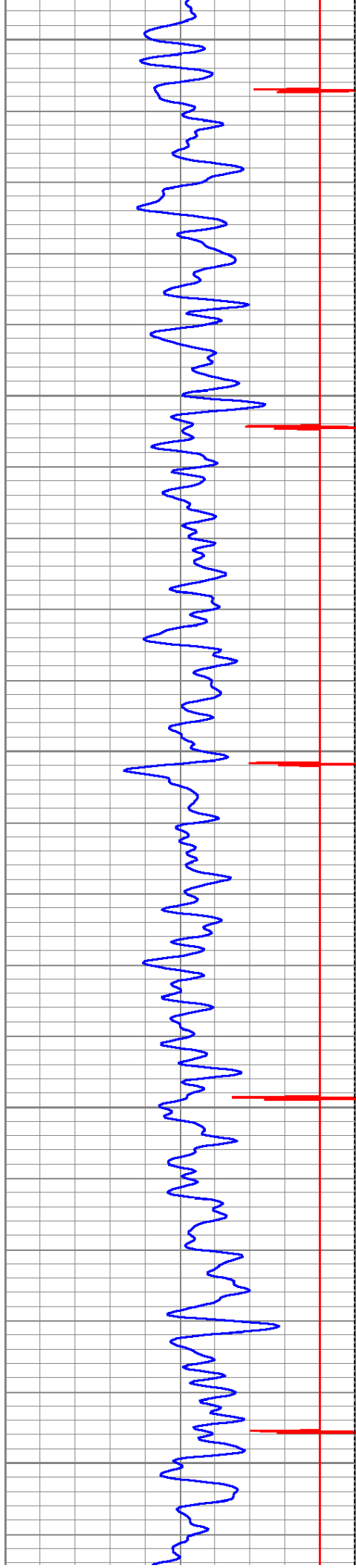
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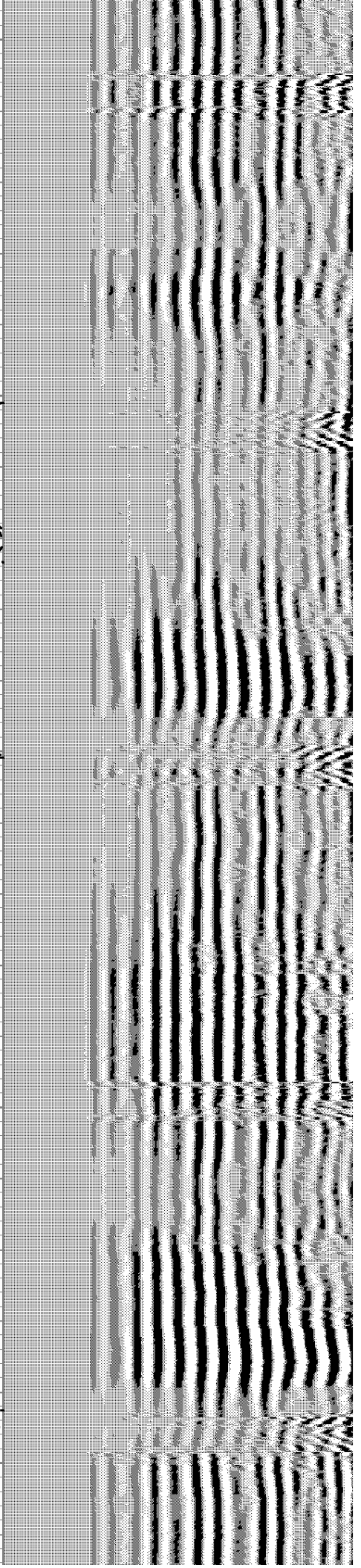
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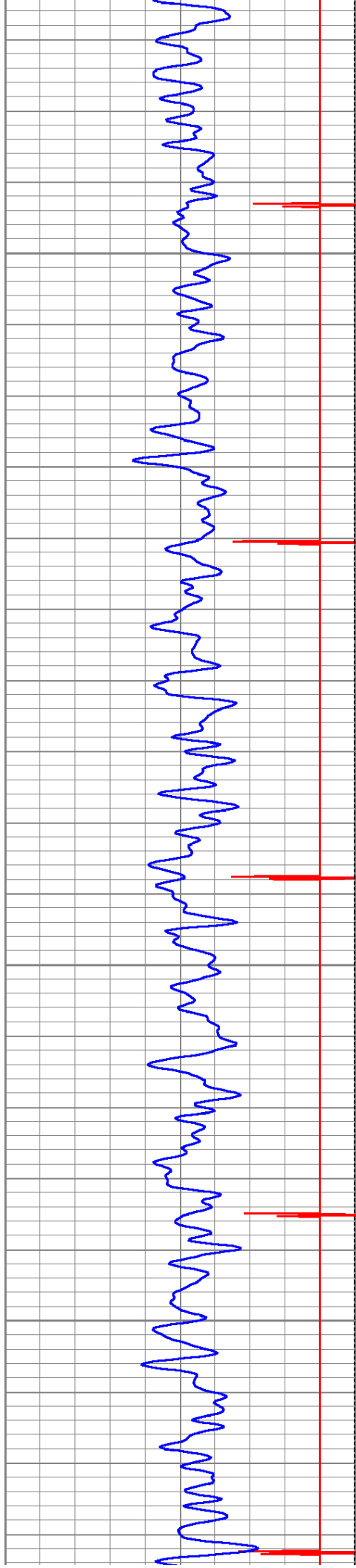
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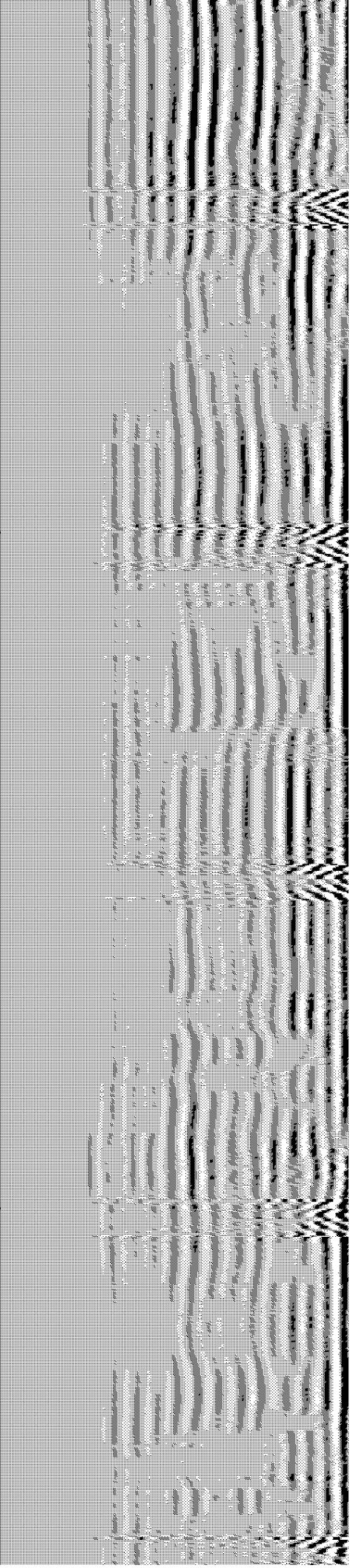
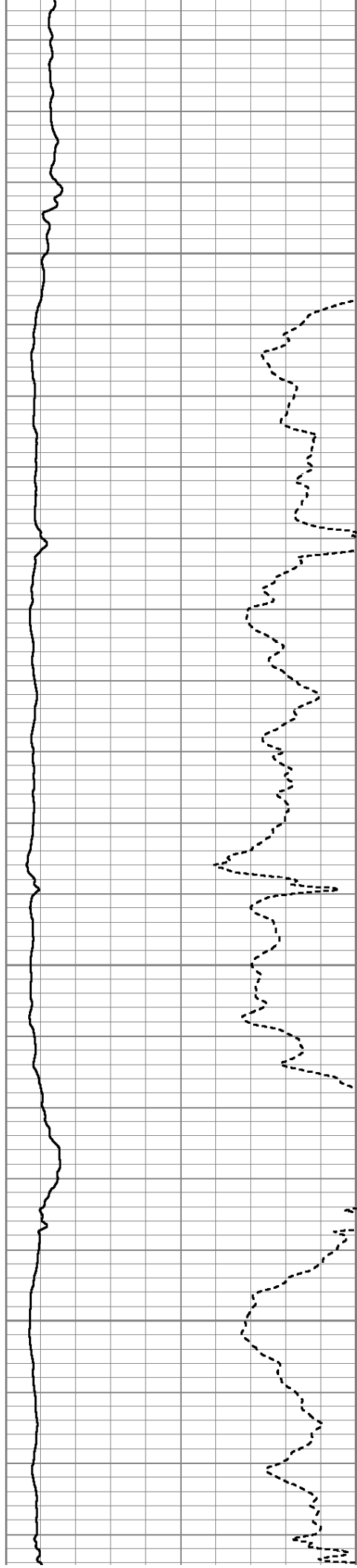


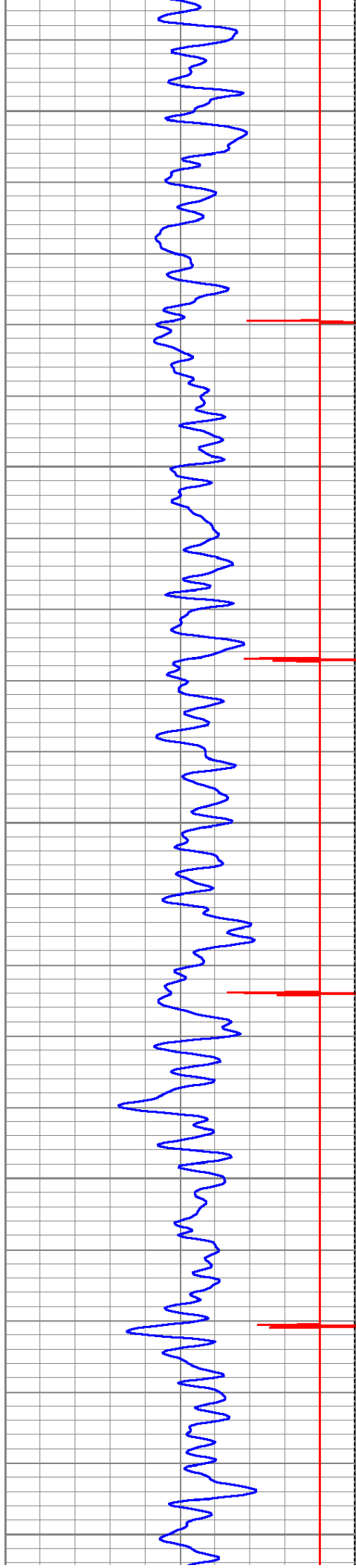
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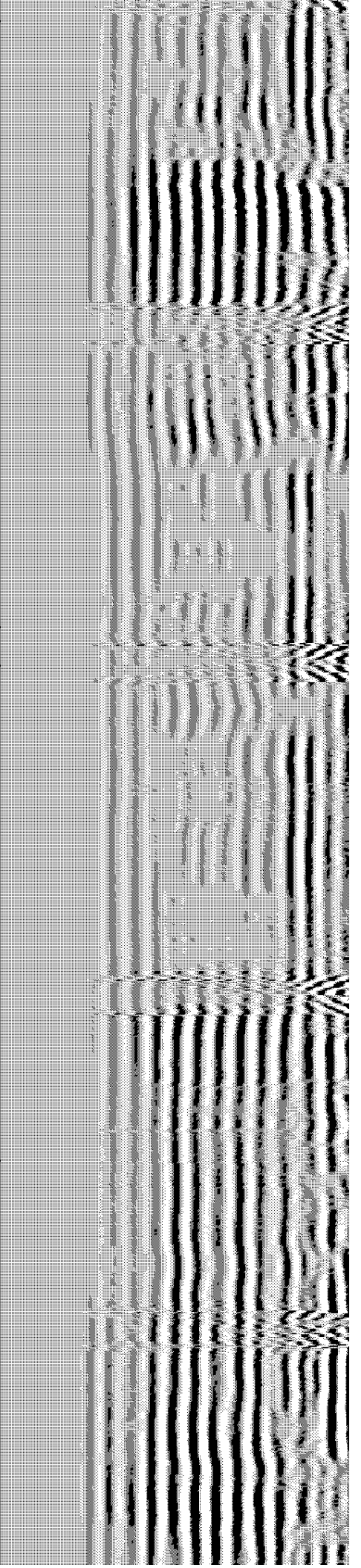
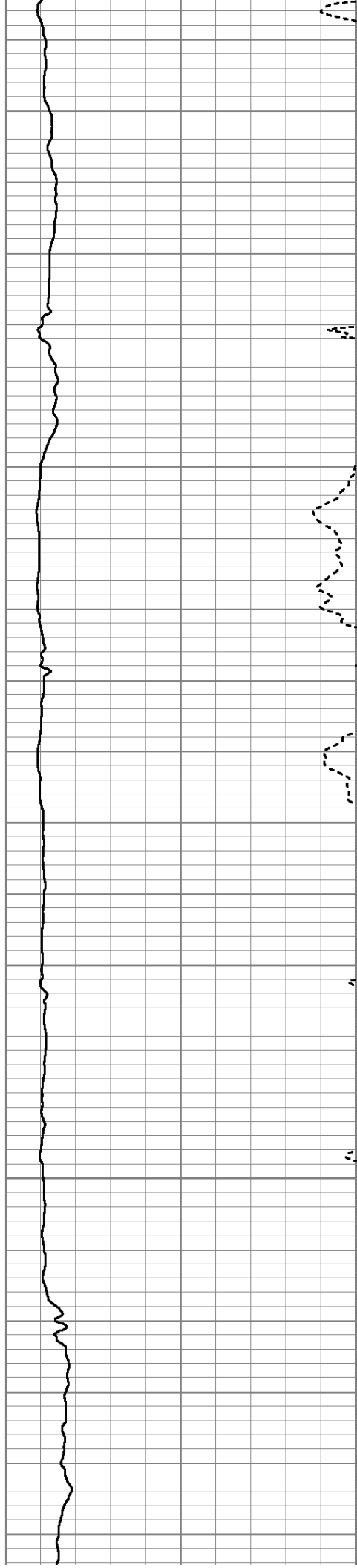
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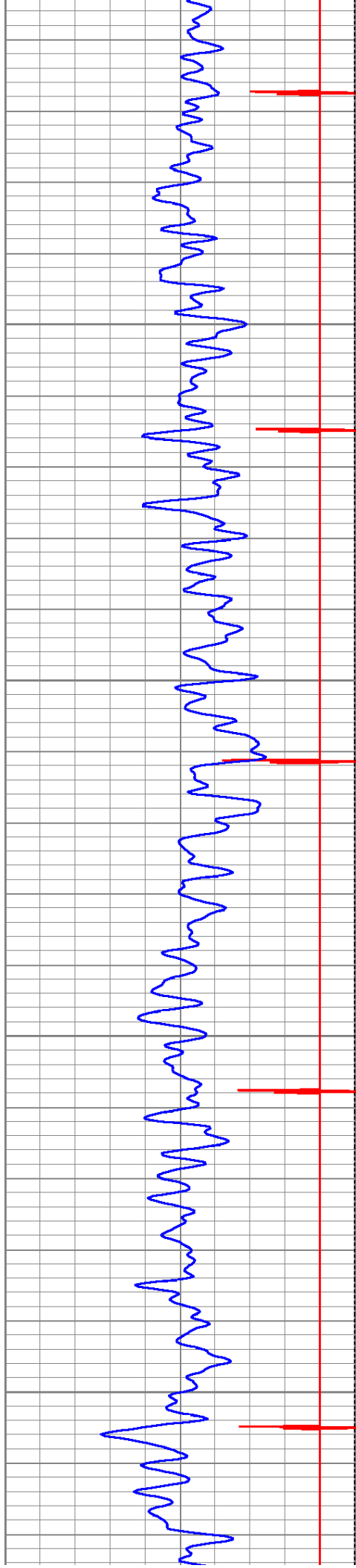
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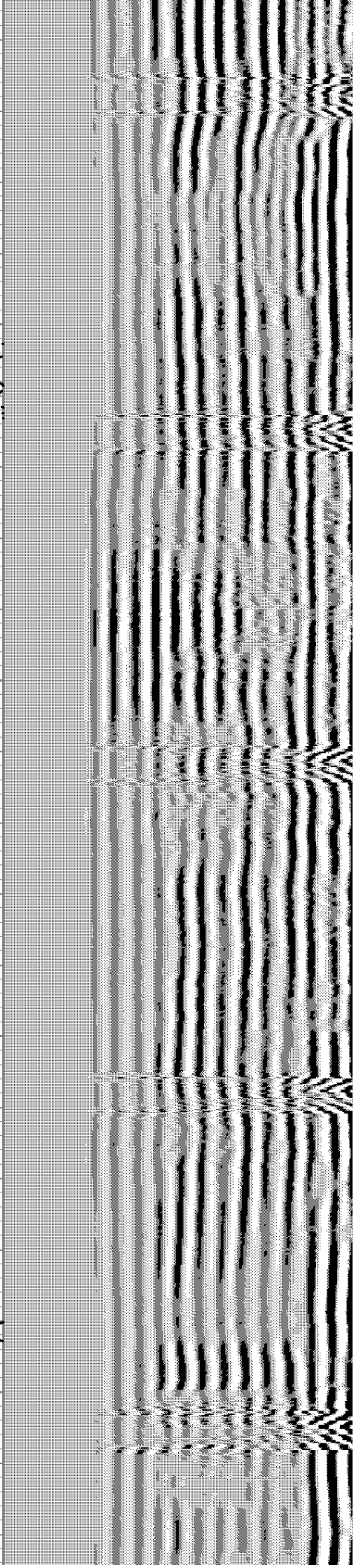
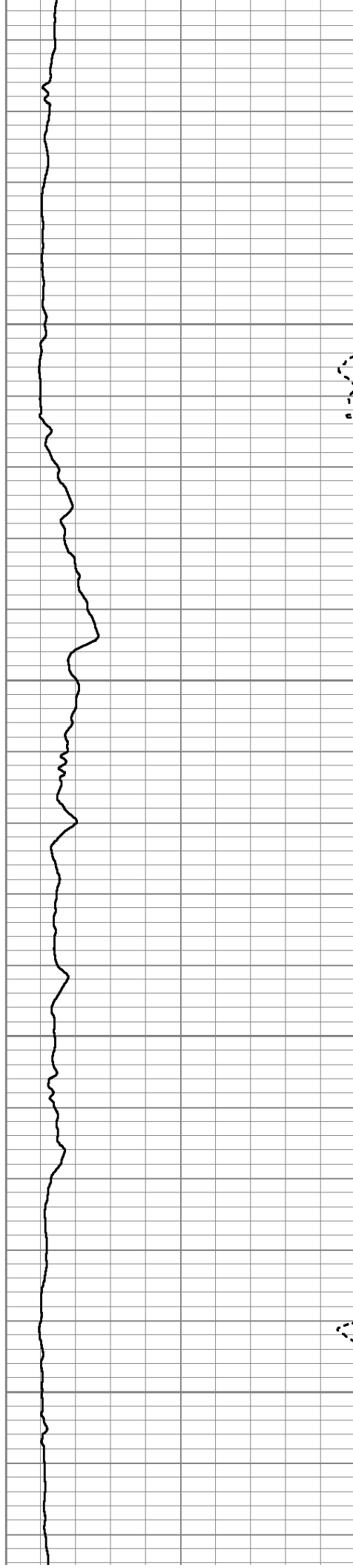


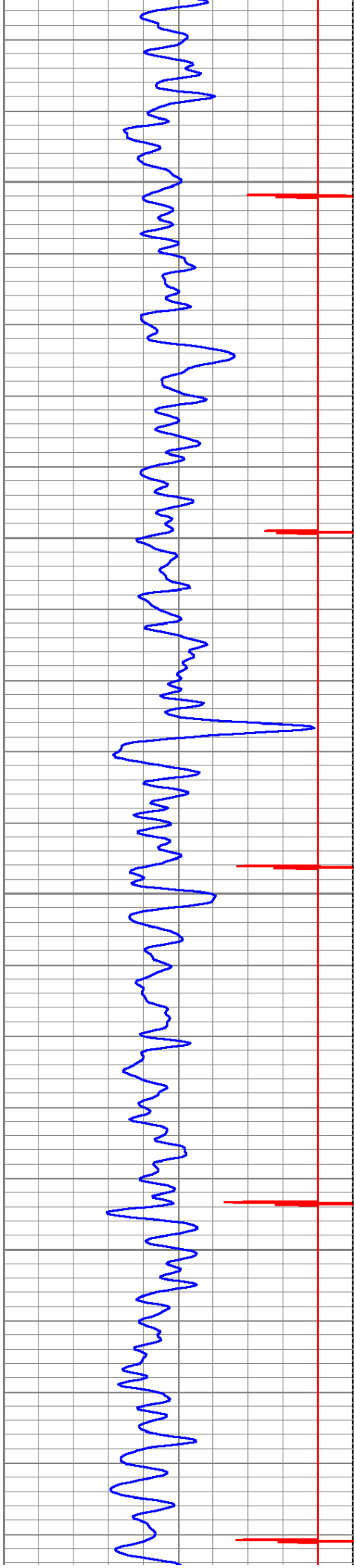
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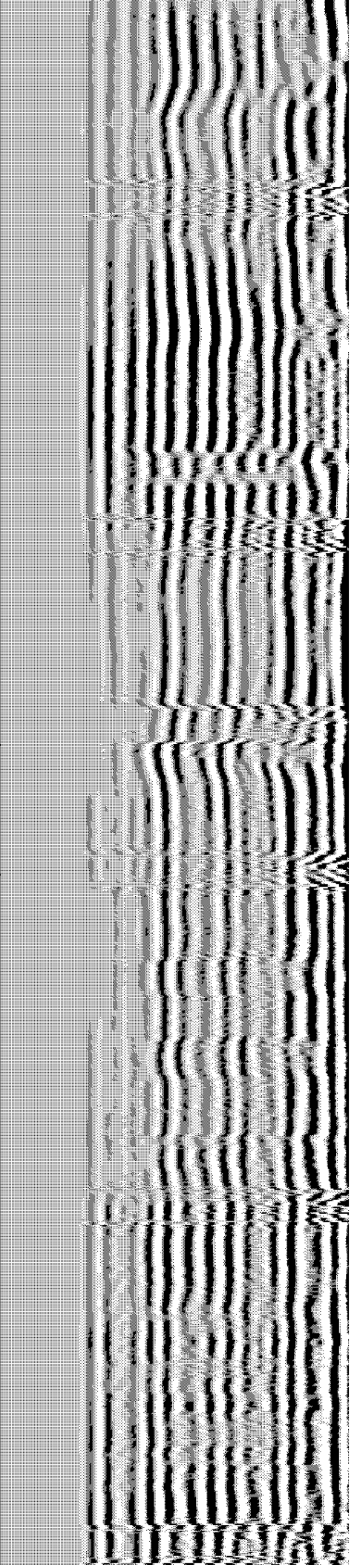
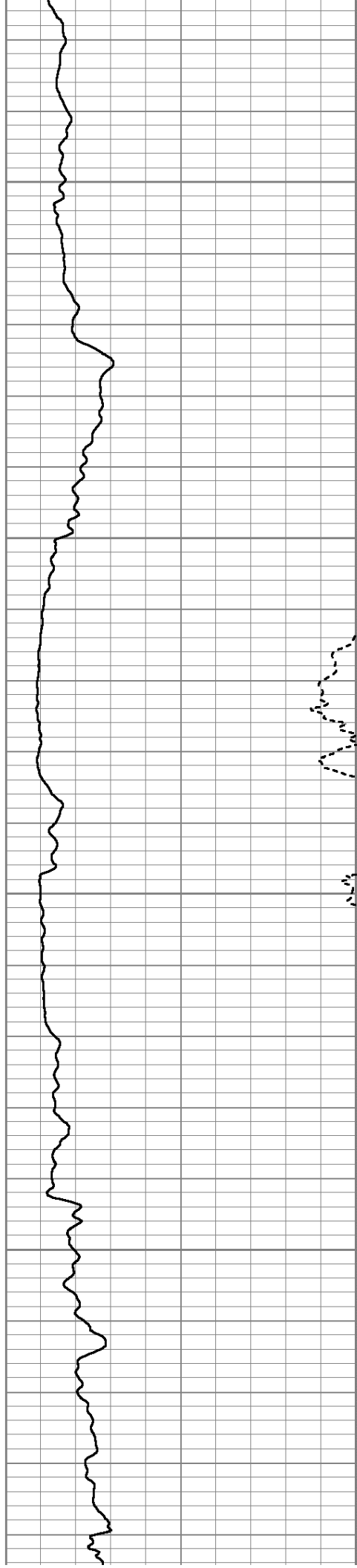


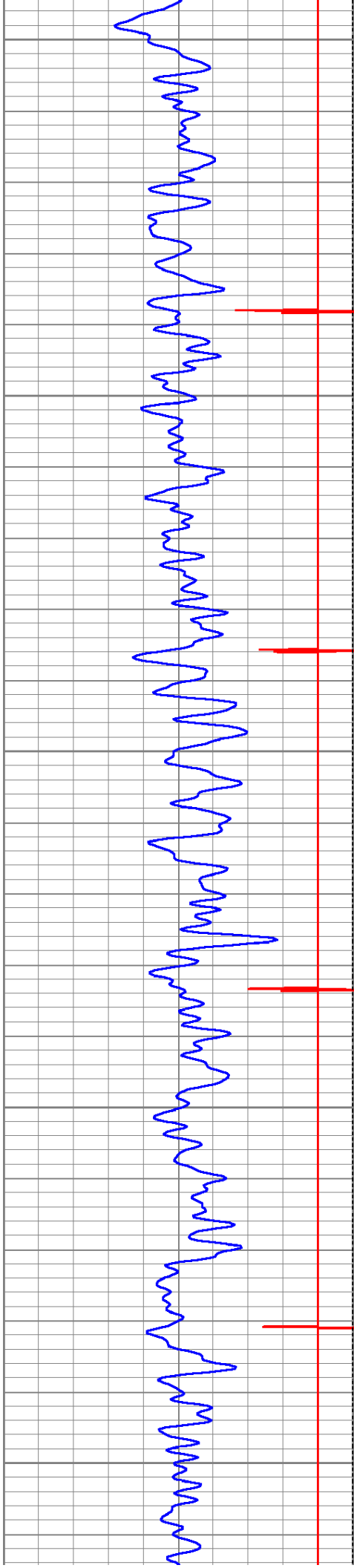
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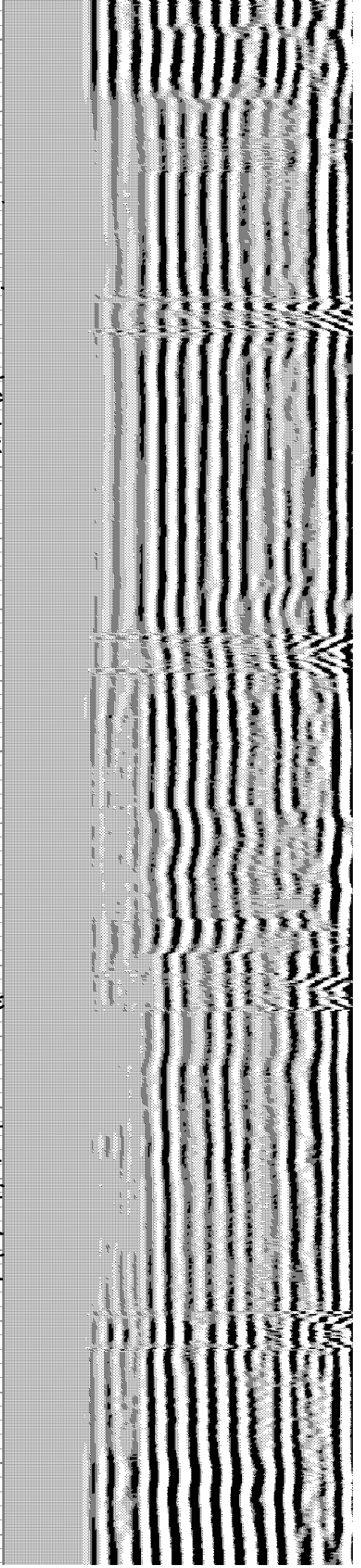
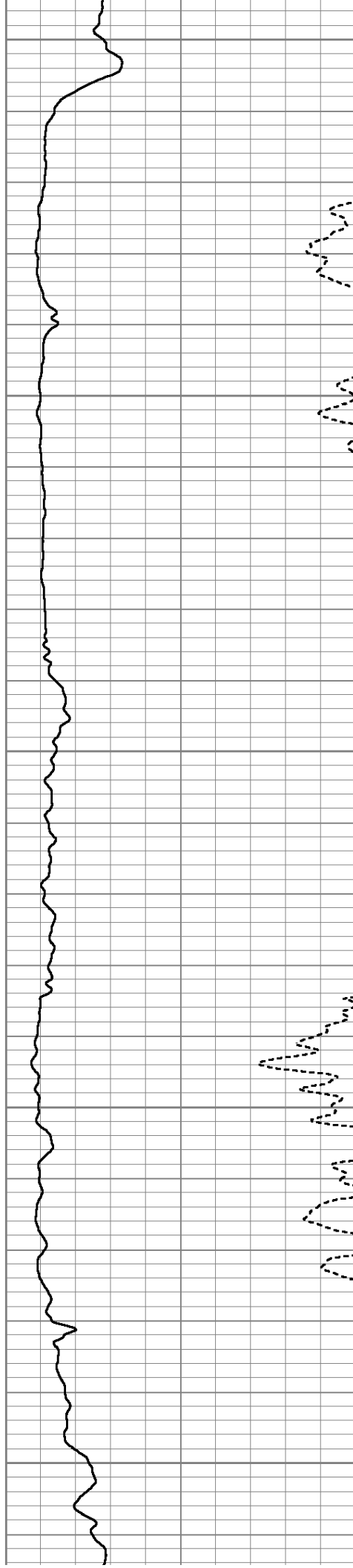
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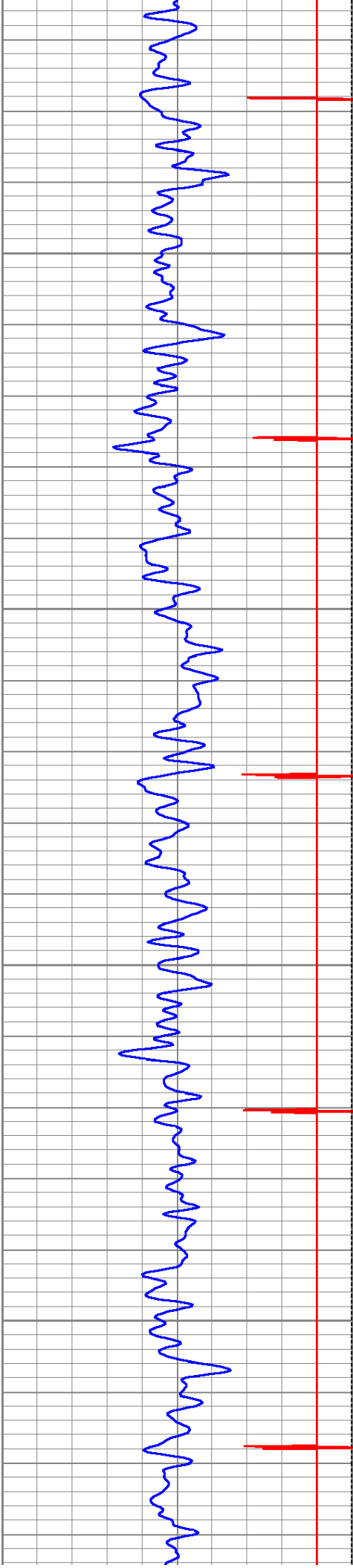
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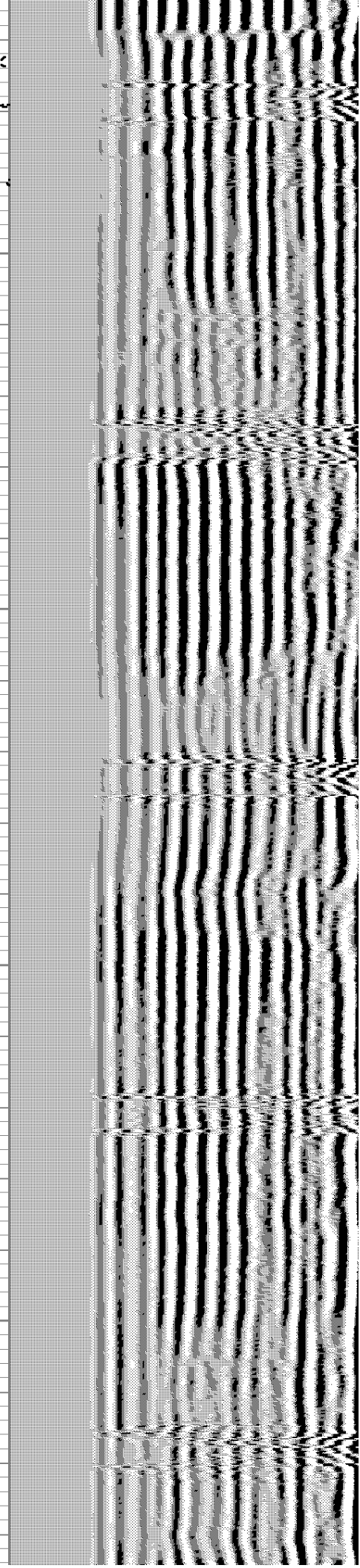
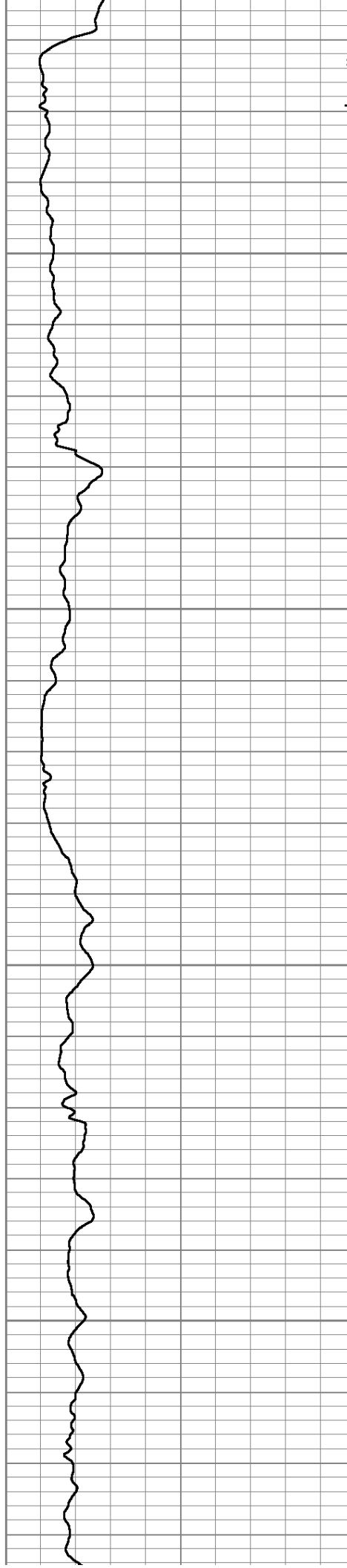


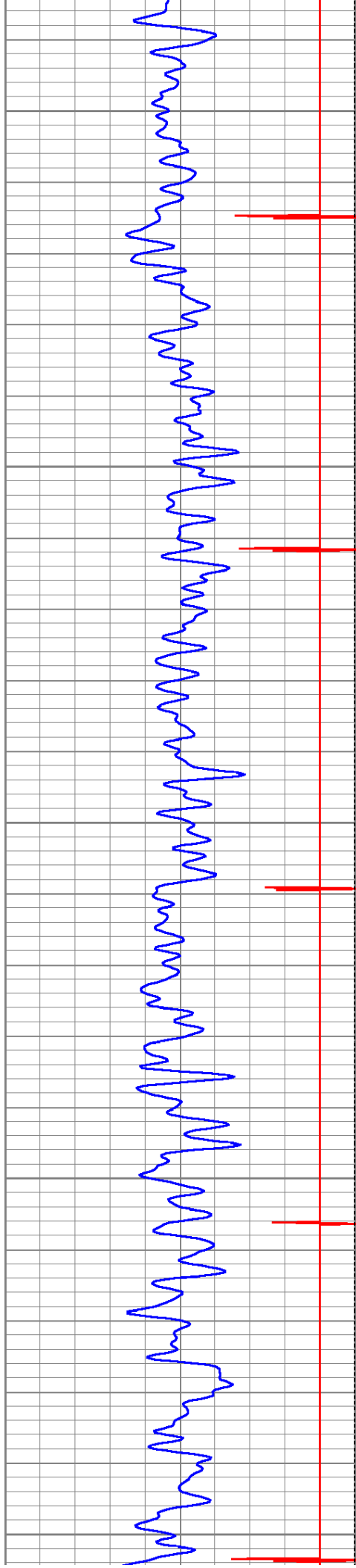
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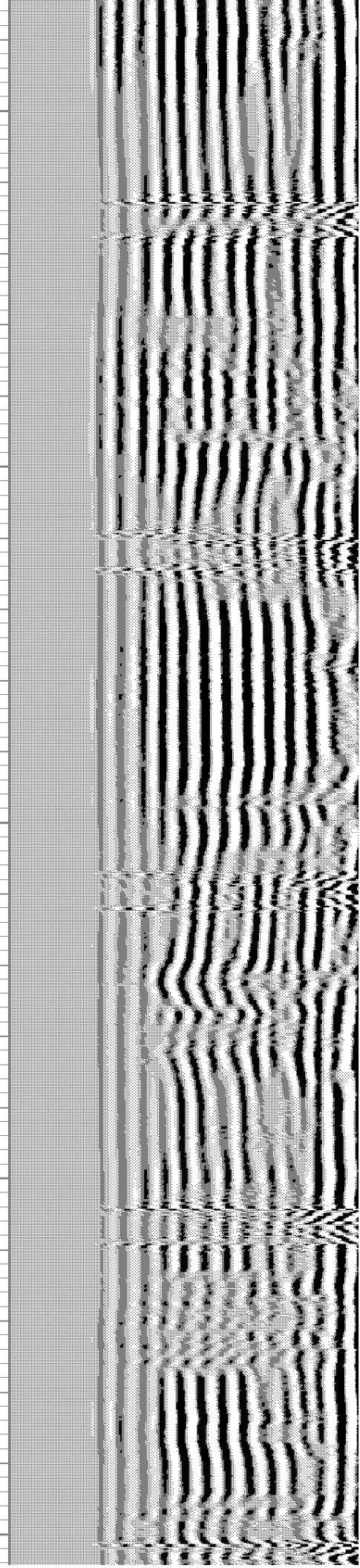
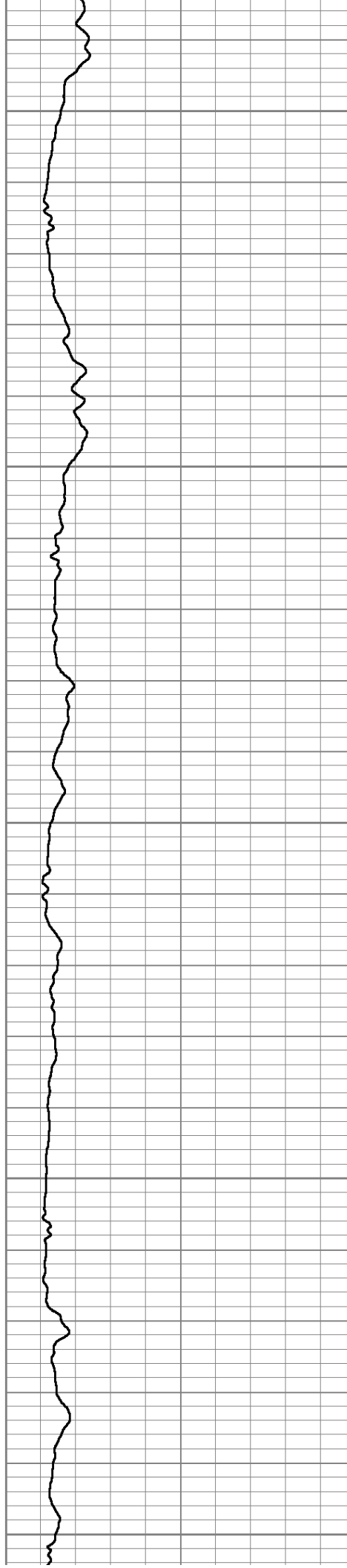
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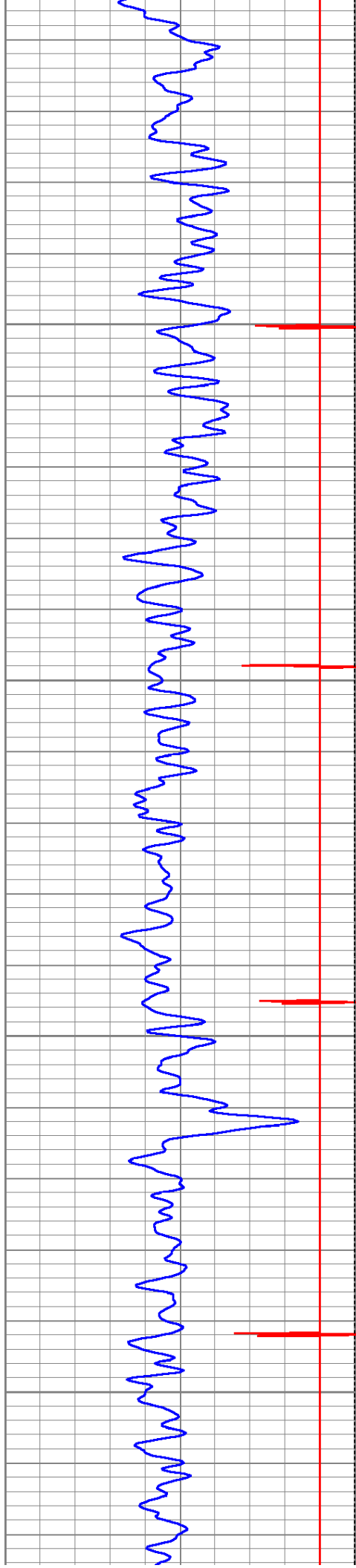
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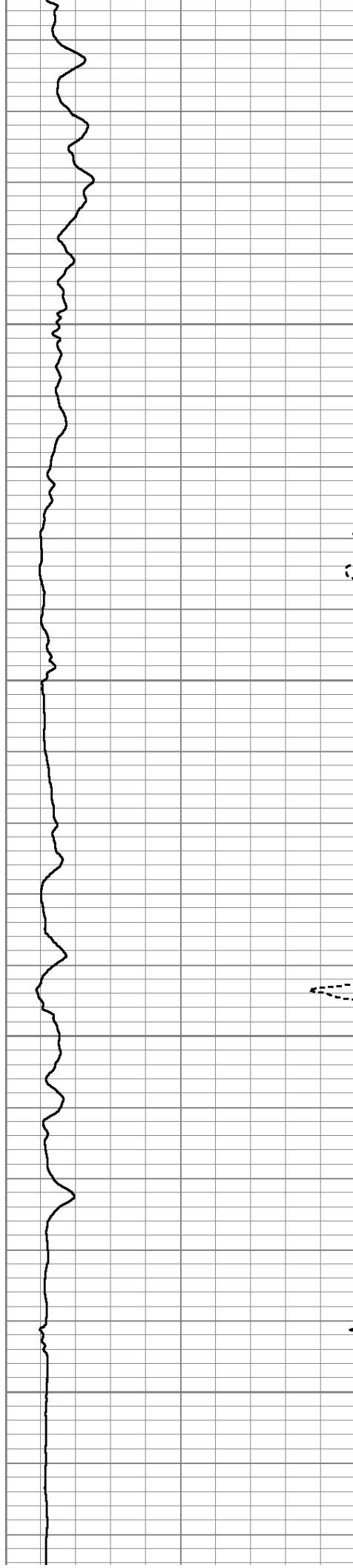


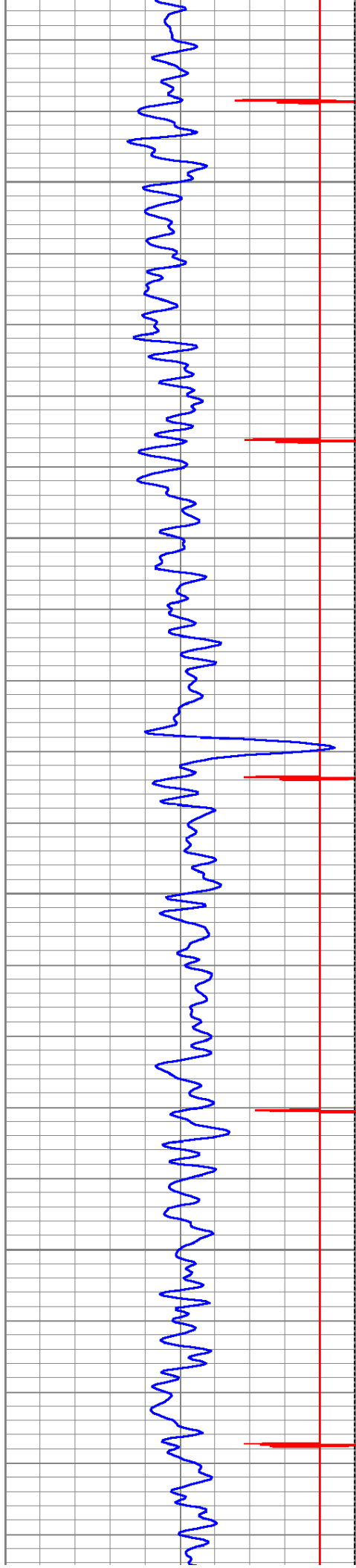
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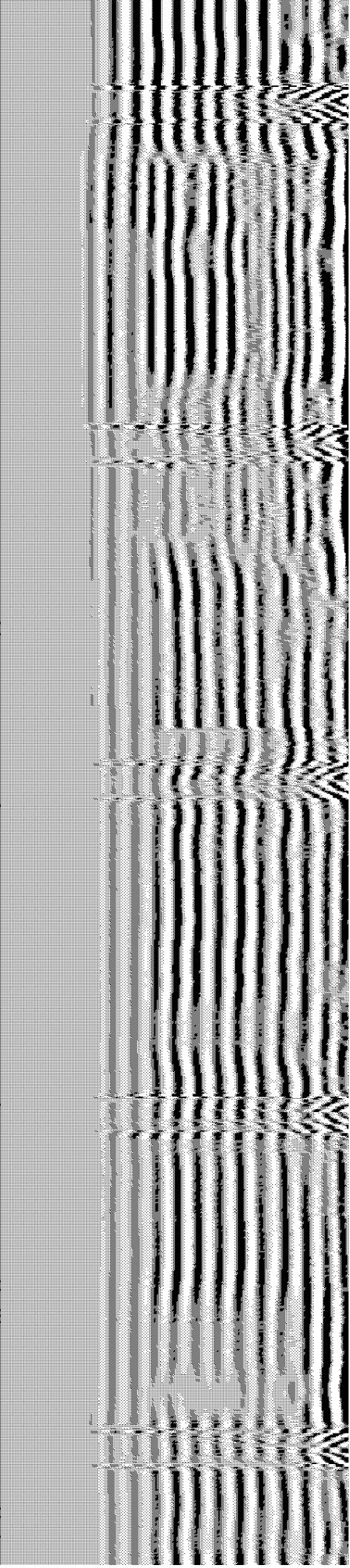
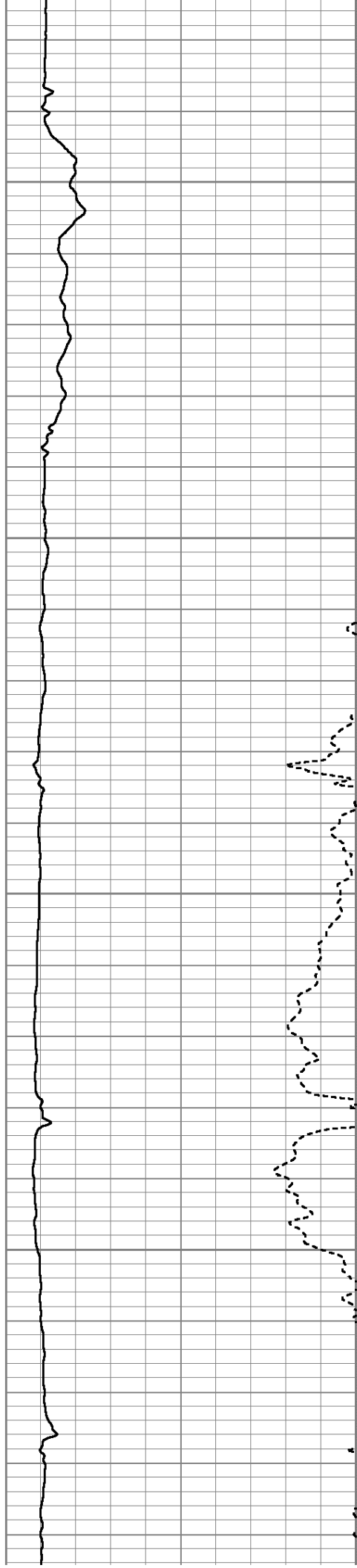


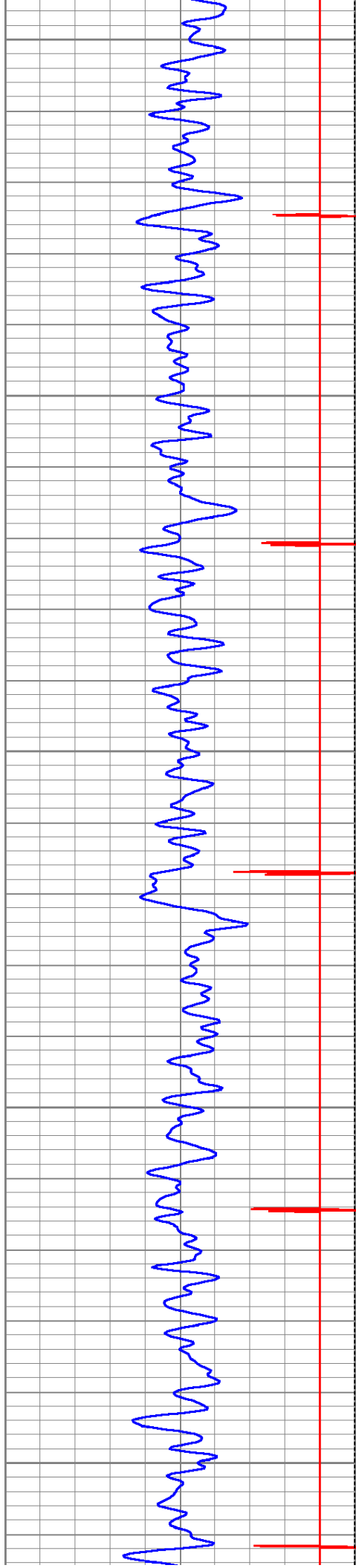
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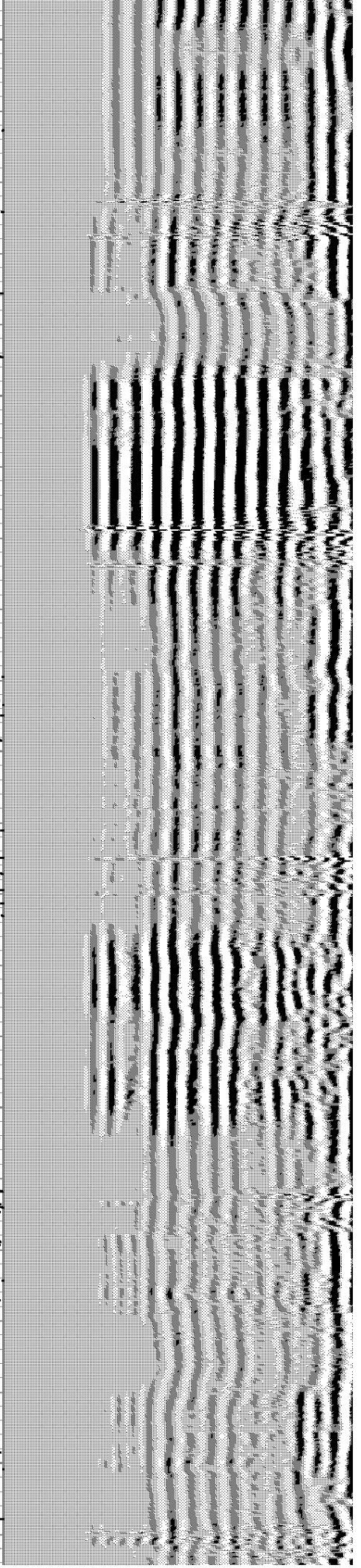
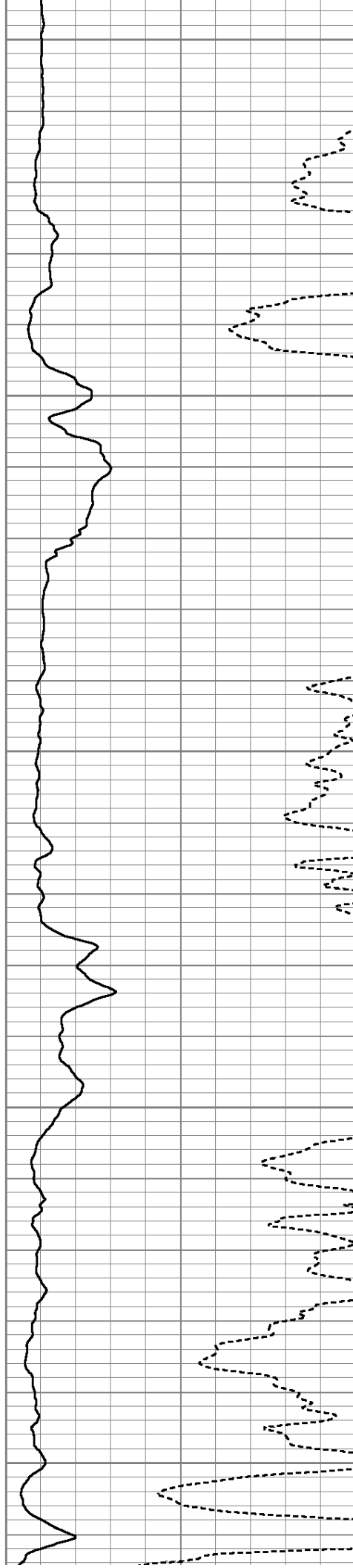
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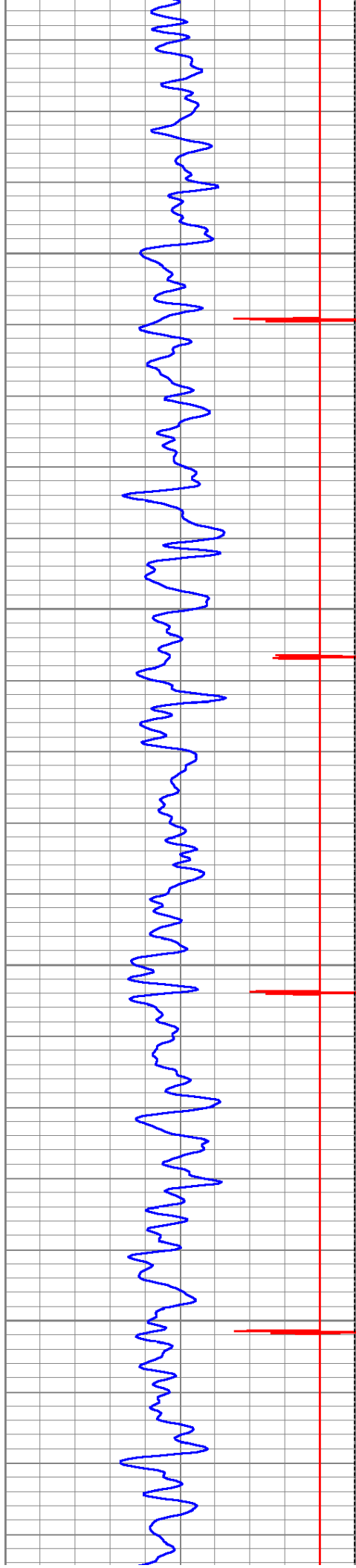
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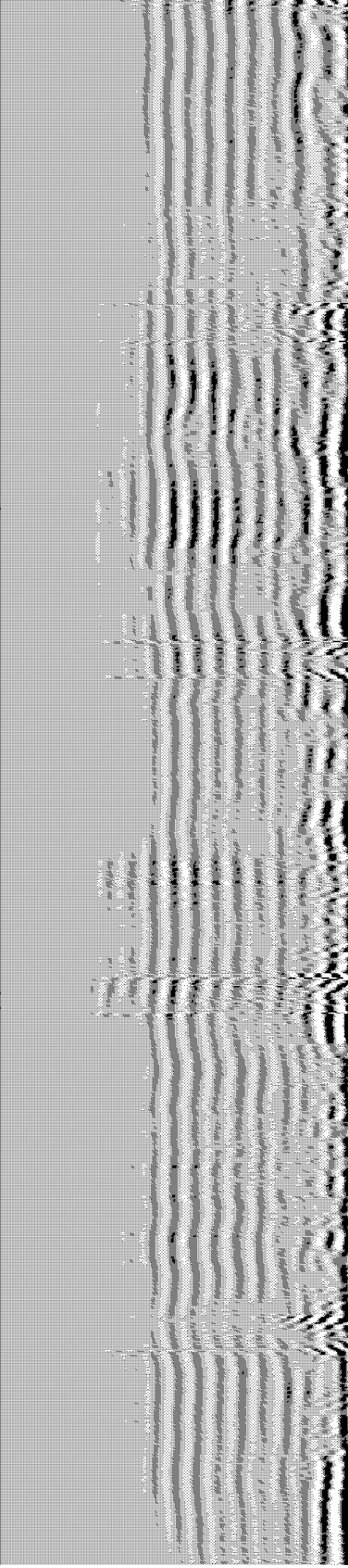
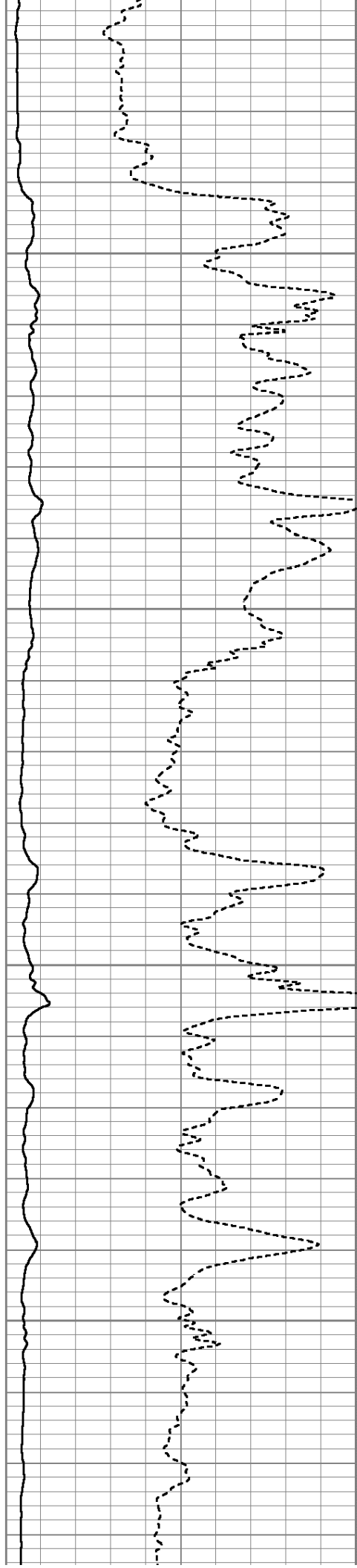


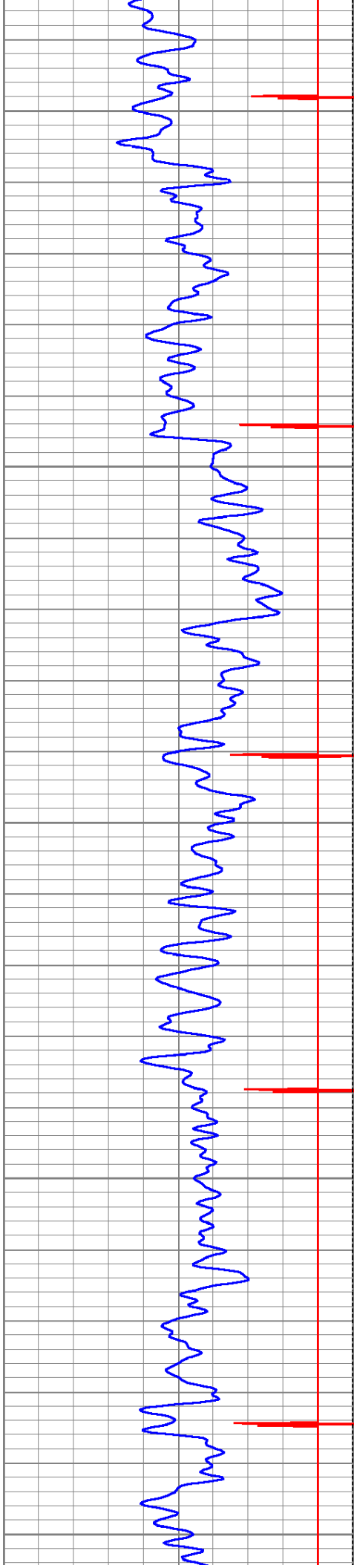
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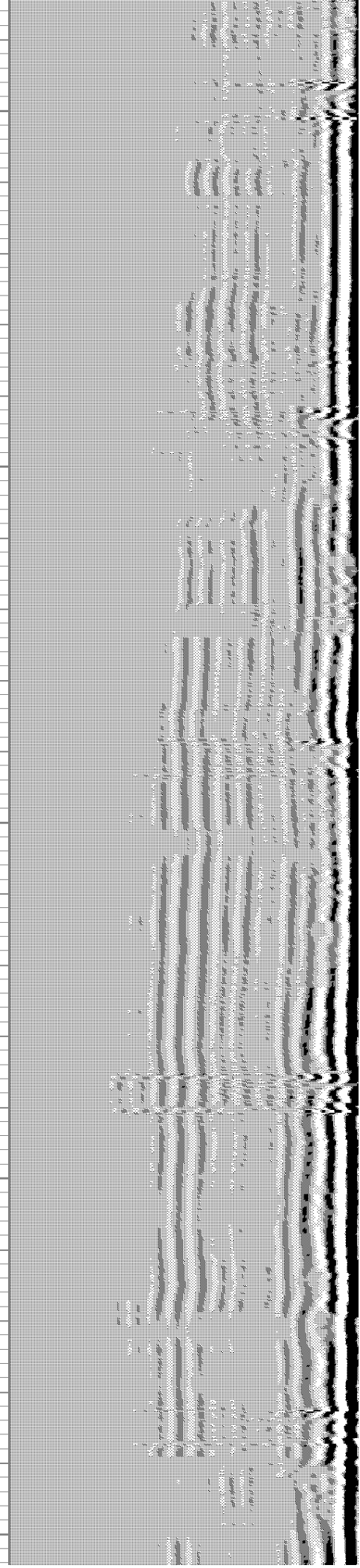
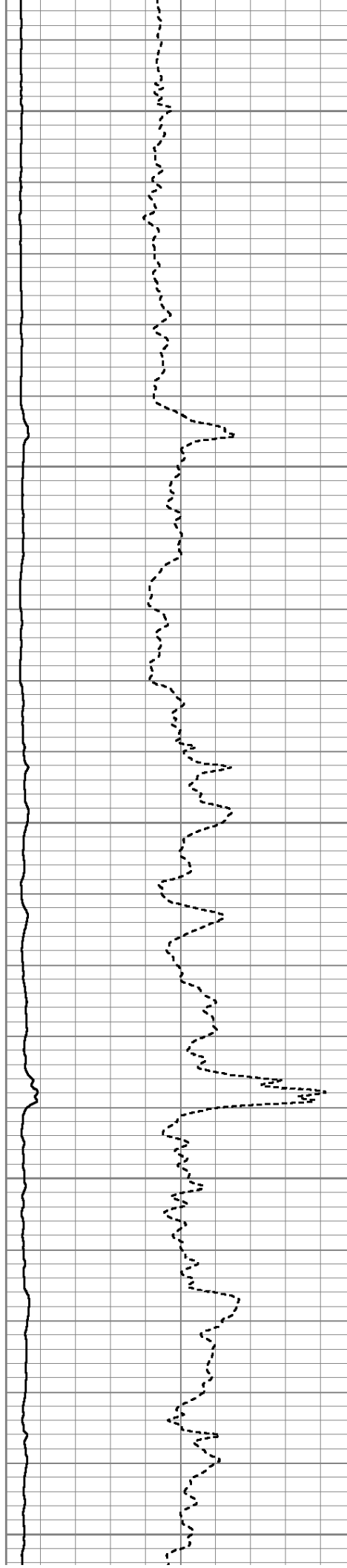
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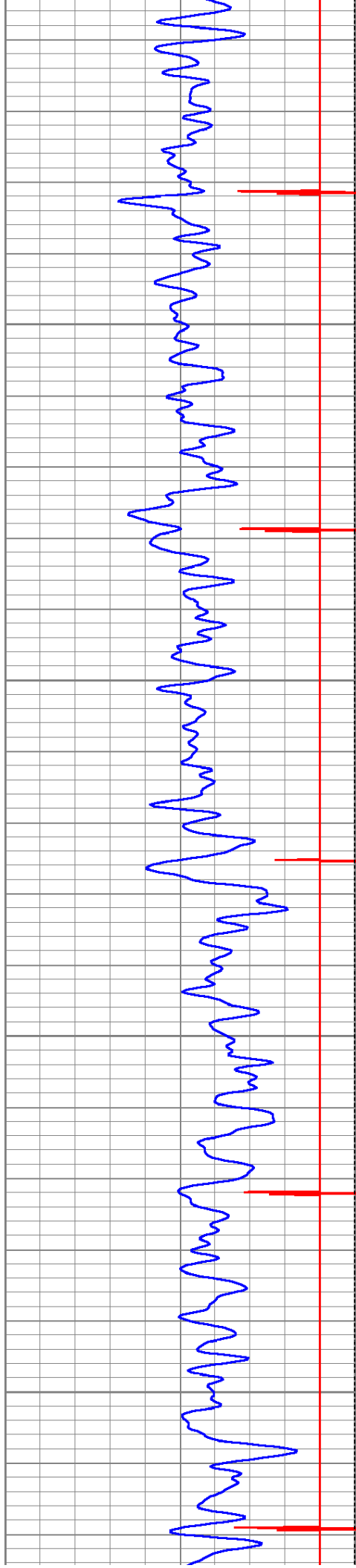
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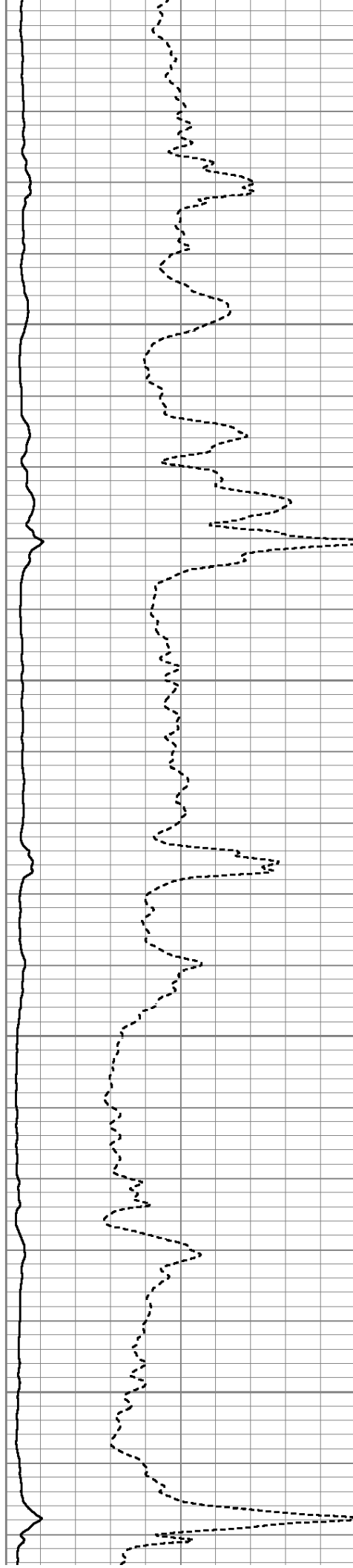


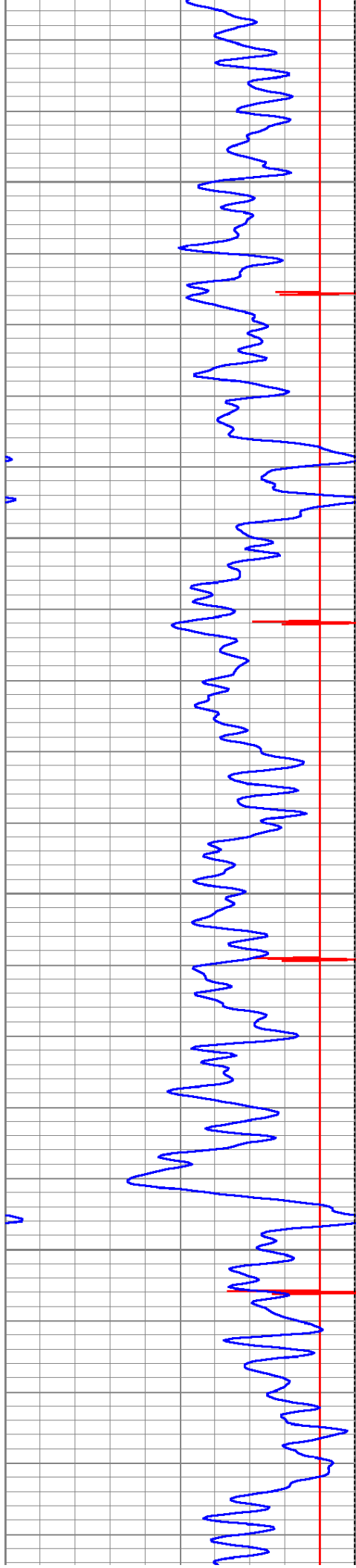
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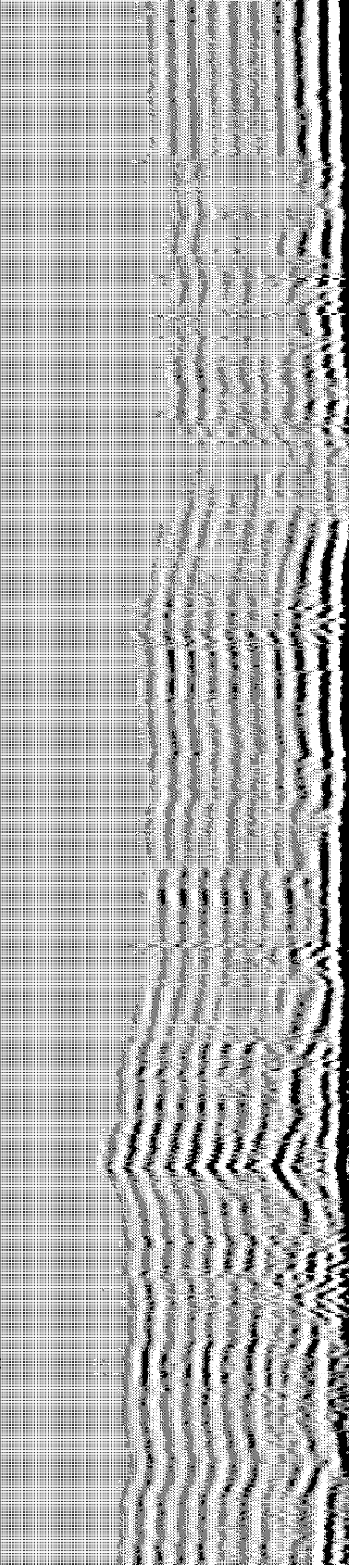
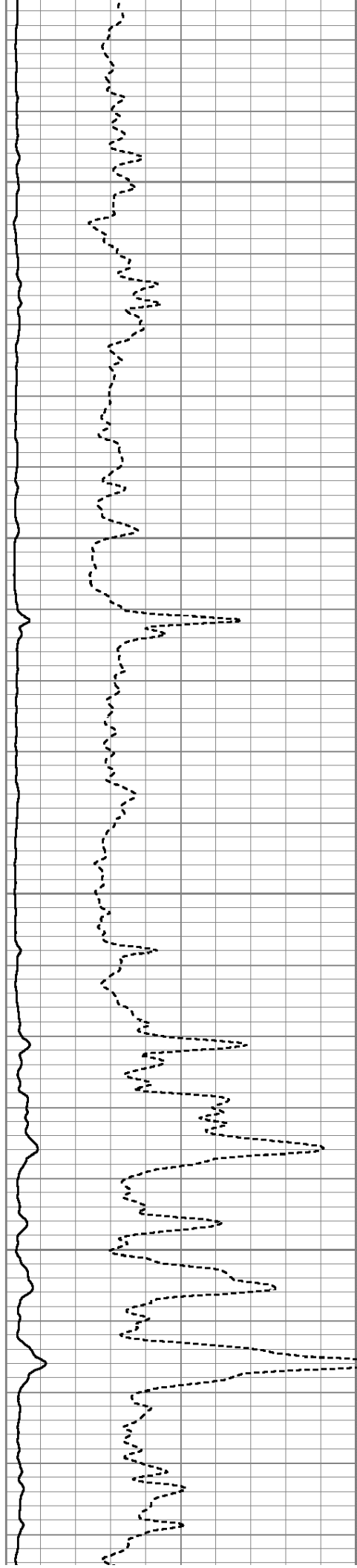


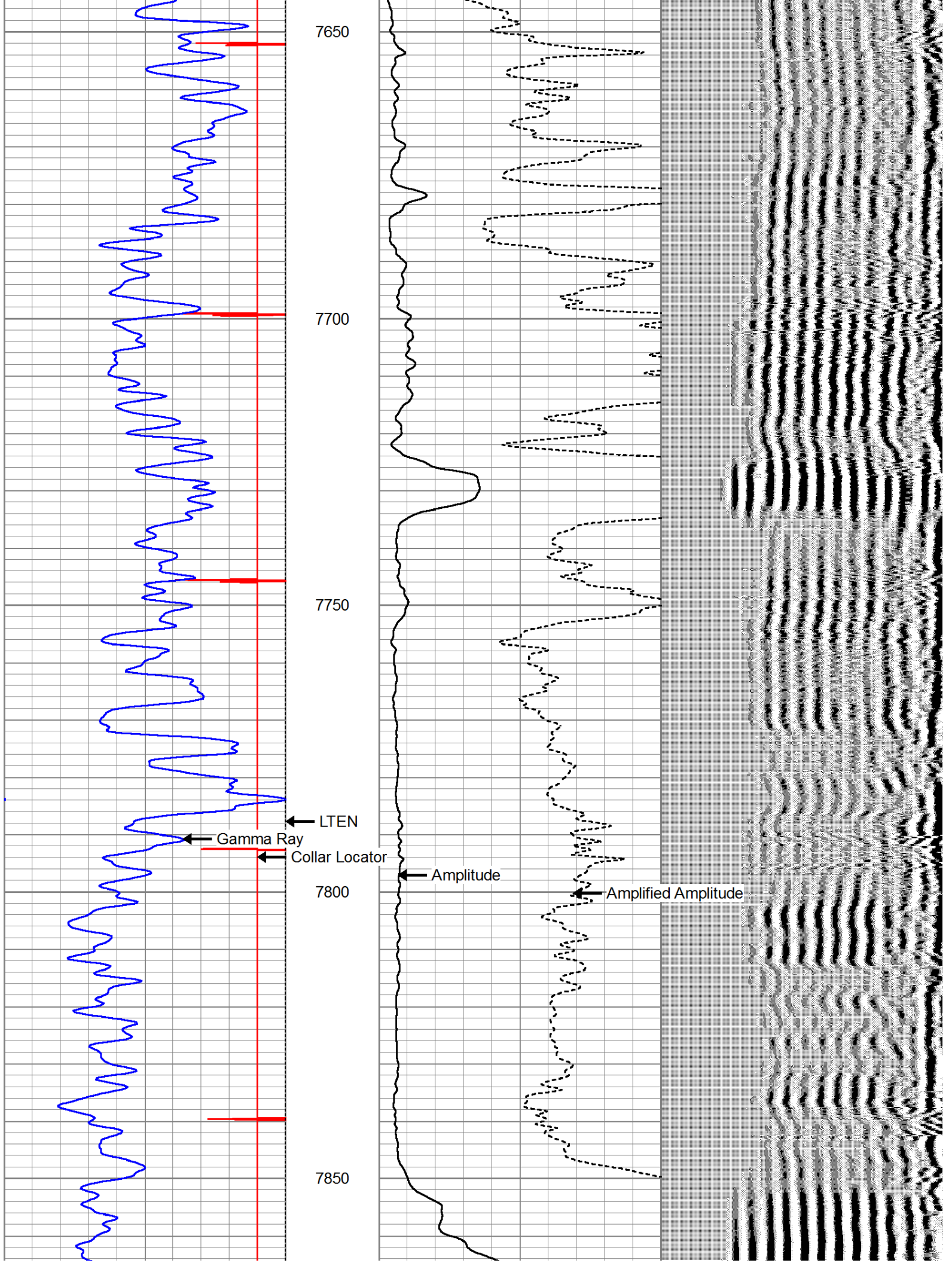
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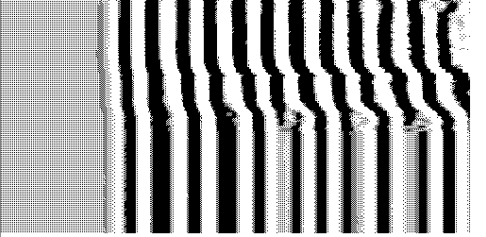
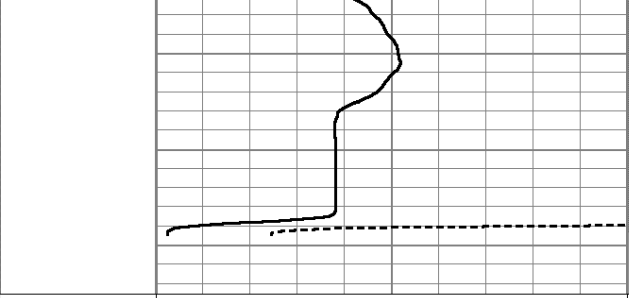
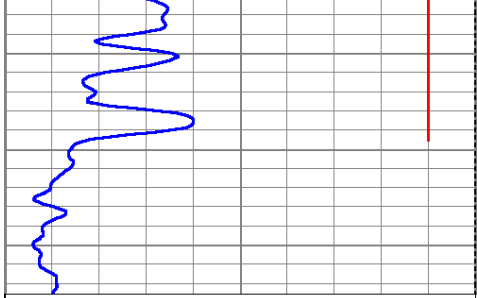
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7600







9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0 (lb)2000	0	Amplitude (mV)	100			