



# VDL CCL GAMMA RAY CEMENT BOND LOG

Pioneer Energy Services

Company	KERR-MCGEE OIL & GAS ONSHORE LP	Company	KERR-MCGEE OIL & GAS ONSHORE LP
Well	GEORGE NISHIMOTO GU #1	Well	GEORGE NISHIMOTO GU #1
Field	WATTENBERG	Field	WATTENBERG
County	WELD	County	WELD
State	COLORADO	State	COLORADO
Location:	API # : 05123083400000	Other Services	
SEC 36	TWP 3N	RGE 67W	
PERM. DATUM	GL	Elevation	4824'
Log Measured From	KB	D.F.	4833'
Drilling Measured From	KB	G.L.	4824'
PERF.			
Date	10-31-13		
Run Number	ONE		
Depth Driller	7864'		
Depth Logger	7640'		
Bottom Logged Interval	7629'		
Top Log Interval	20'		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	188 DEG. F		
Estimated Cement Top	7090'		
Time Well Ready	NA		
Time Logger on Bottom	NA		
Equipment Number	9605		
Location	FT MORGAN		
Recorded By	TODD YOUNG		
Witnessed By	DAVE DONAHO		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
Casing Record	Size	Wgt/Ft	Top
Surface String			
Prot. String	4.5"	10.5#	SURFACE
Production String			TD
Liner			

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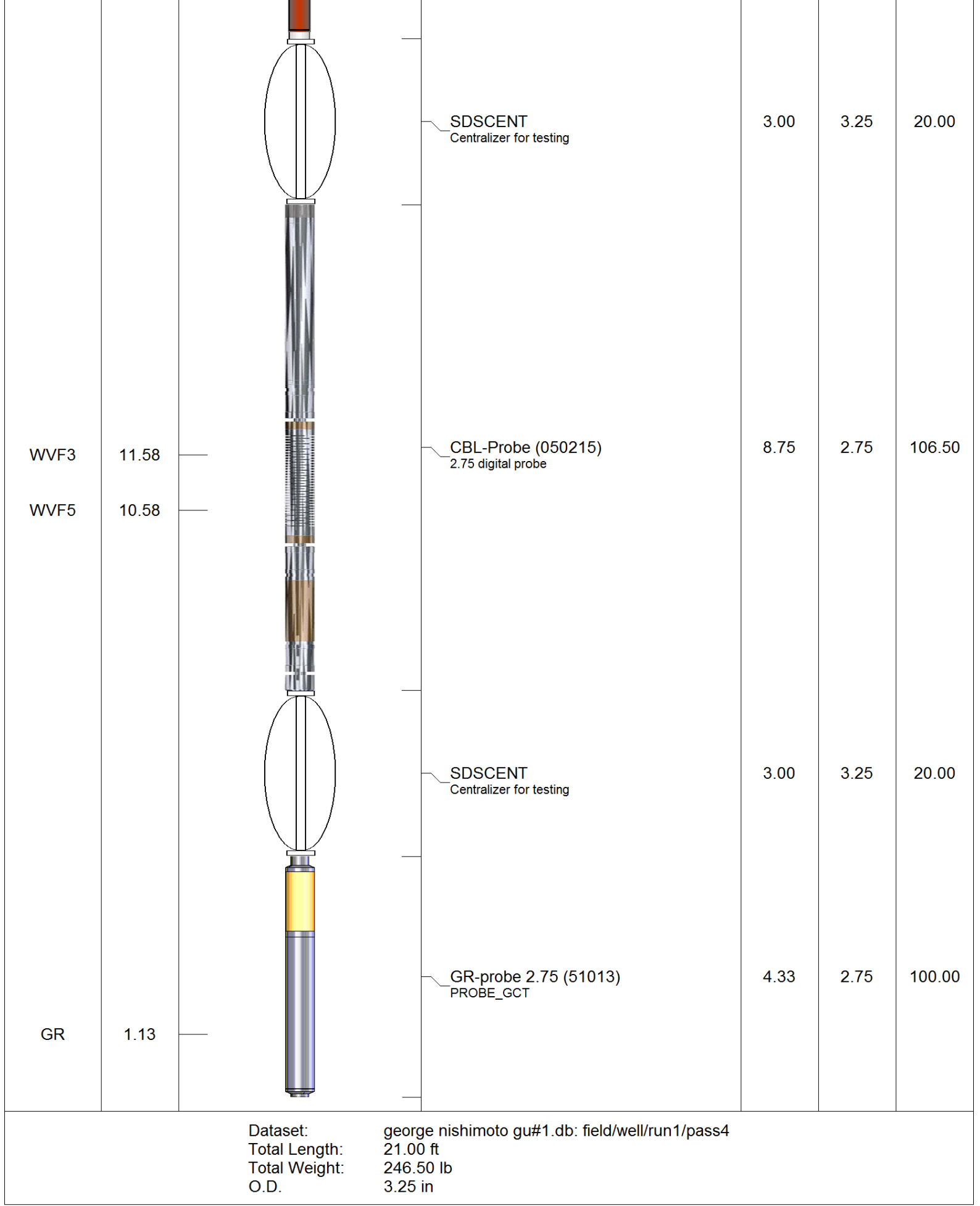
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

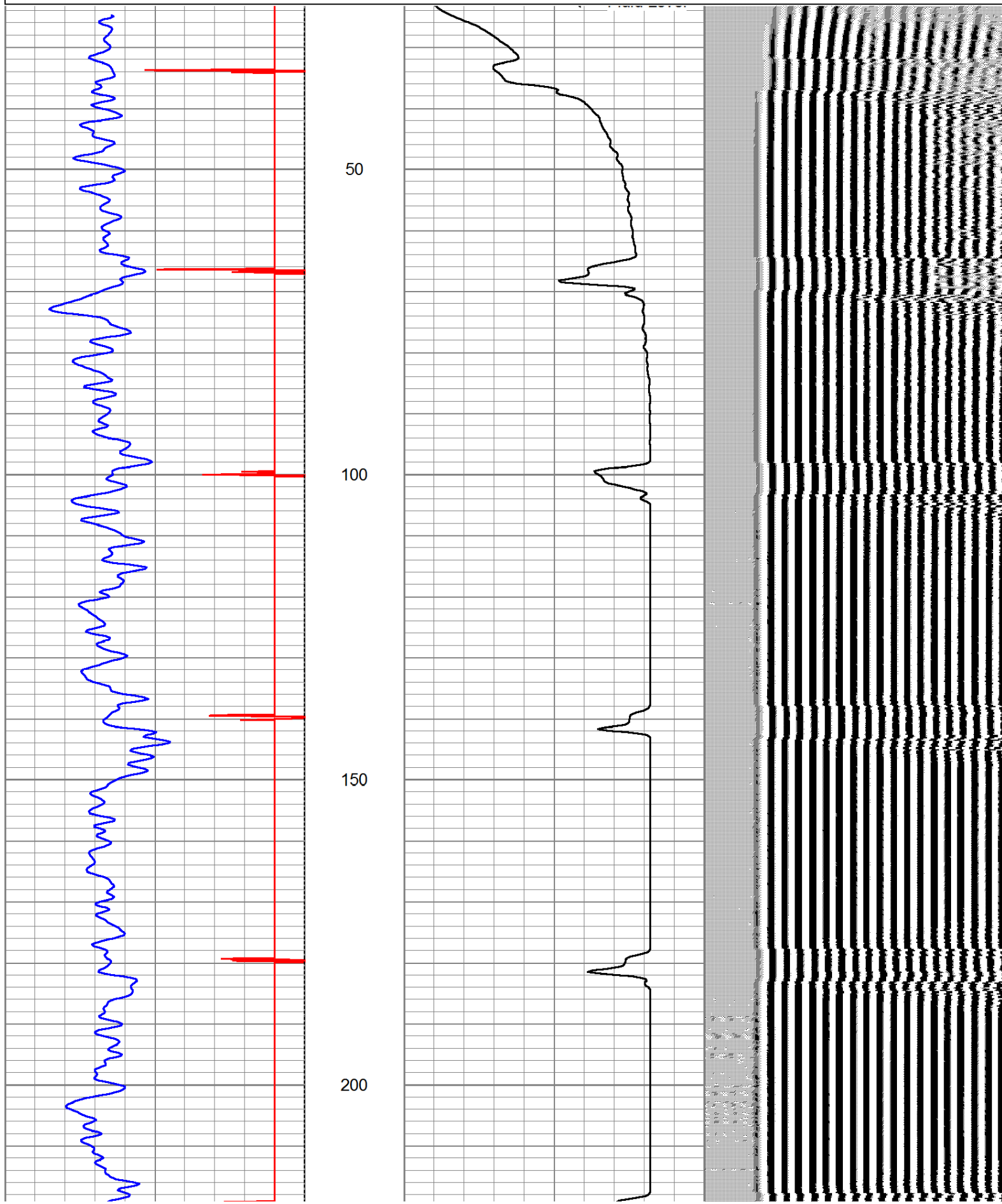
SO # 2-204852

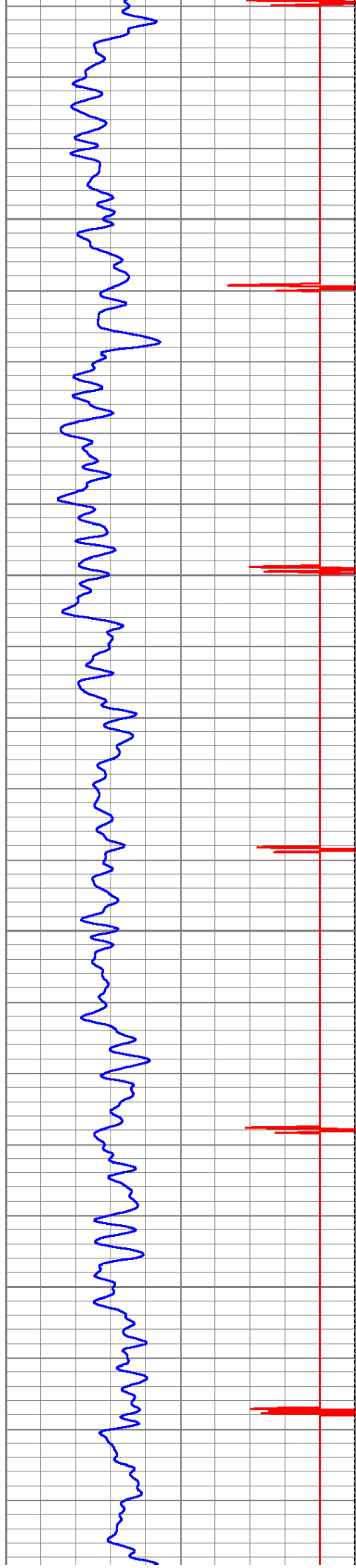
THANK YOU FOR USING  
PIONEER ENERGY SERVICES

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



9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	300	0	(lb)2000	0	Amplitude (mV)	100		



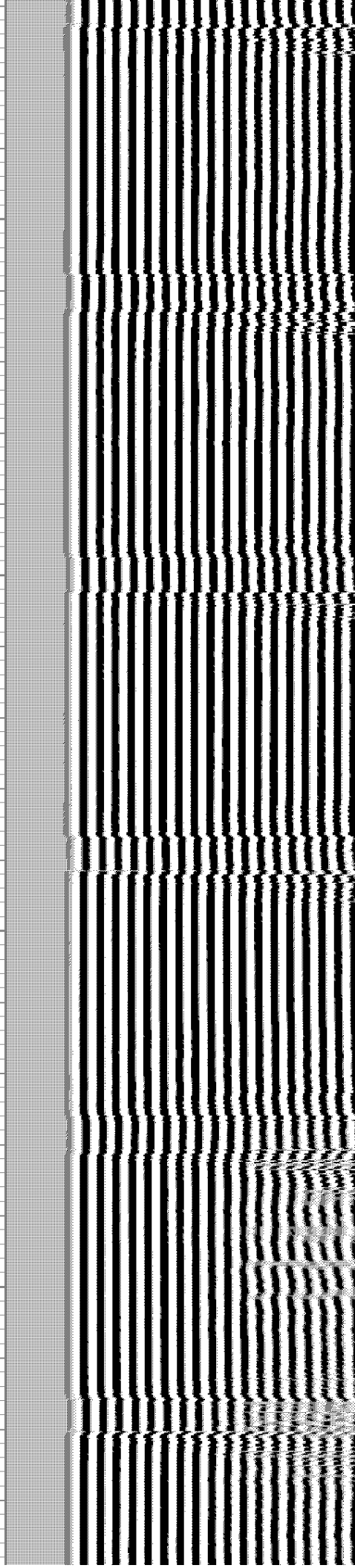
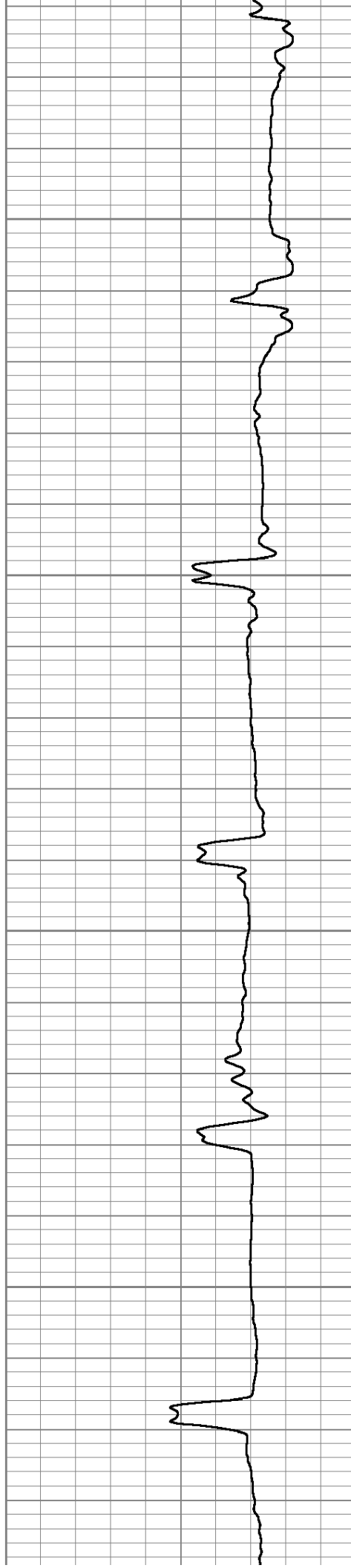


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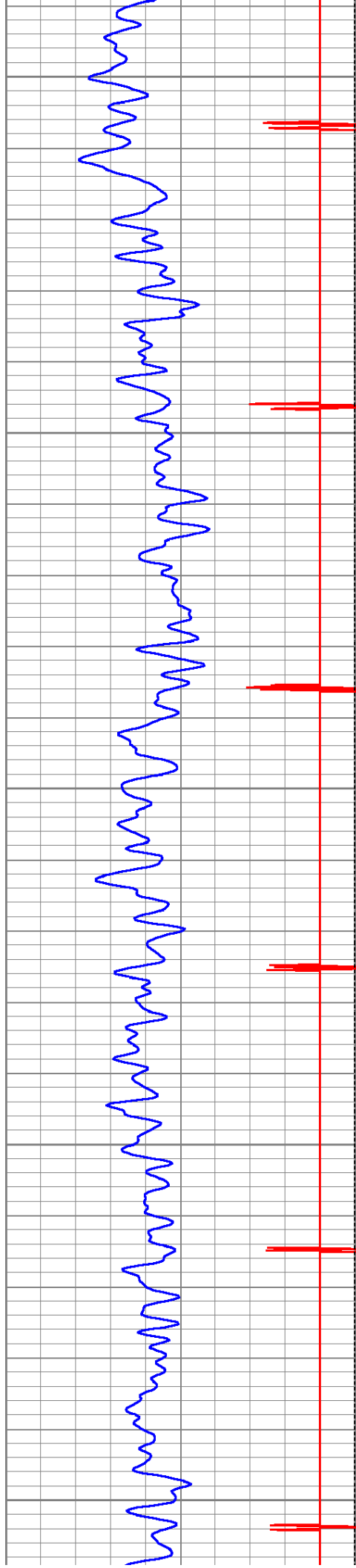
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400







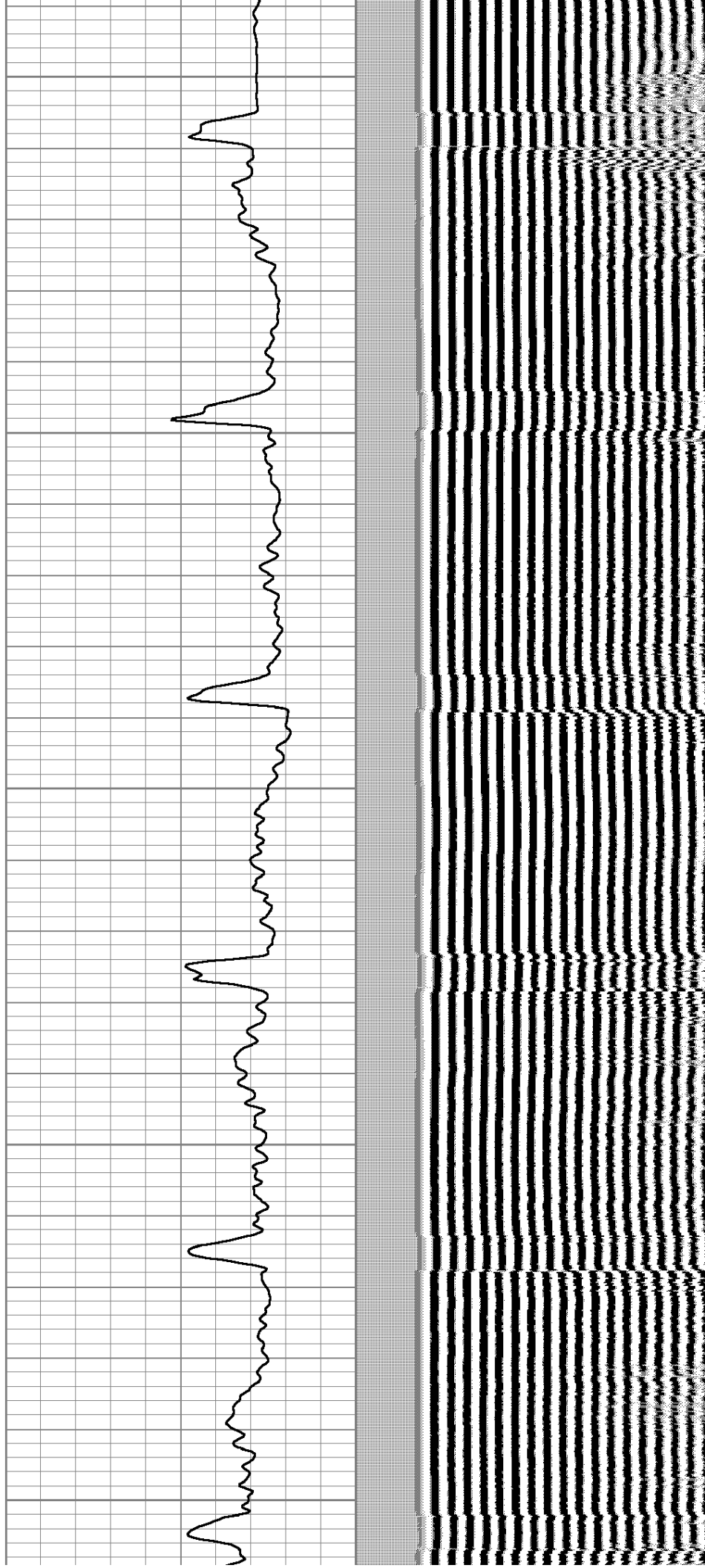
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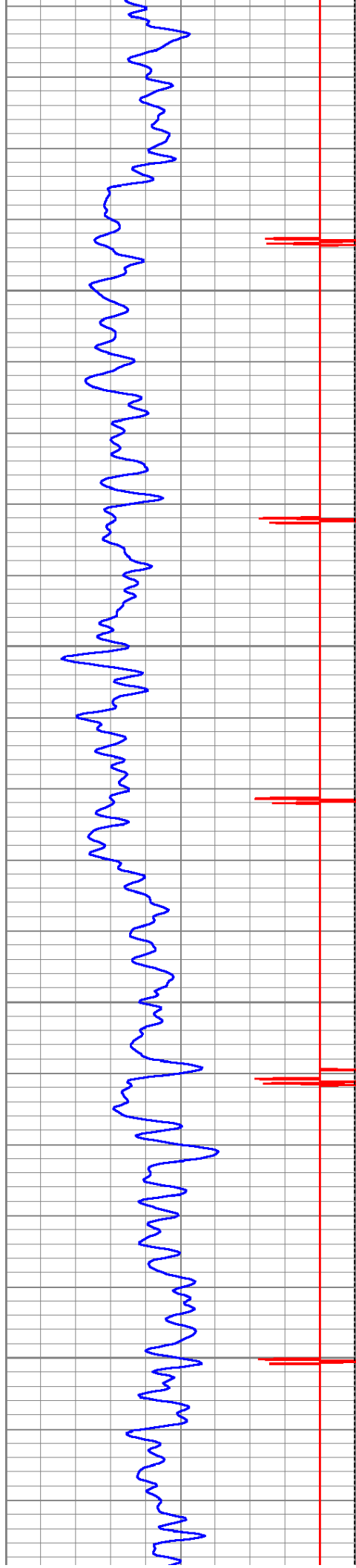
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550

600

650



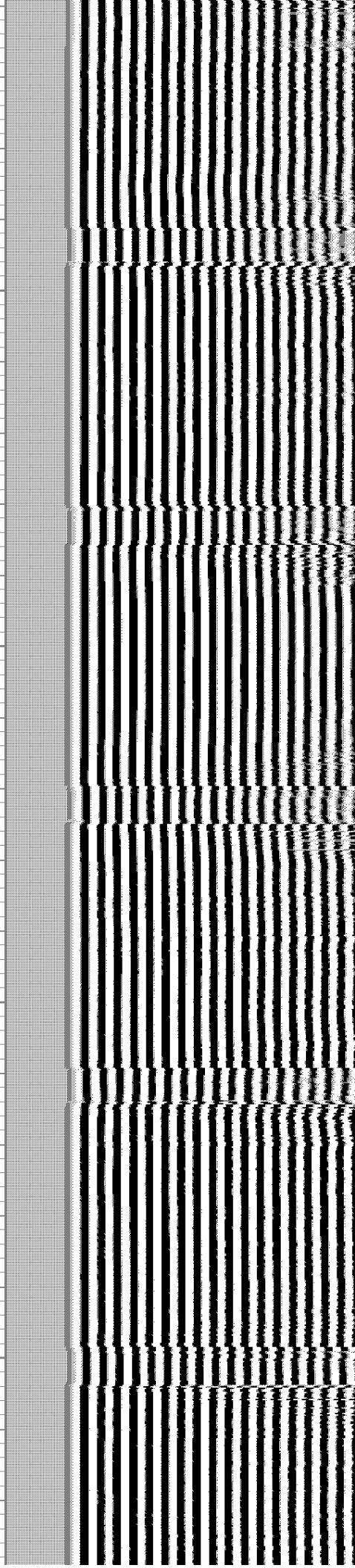


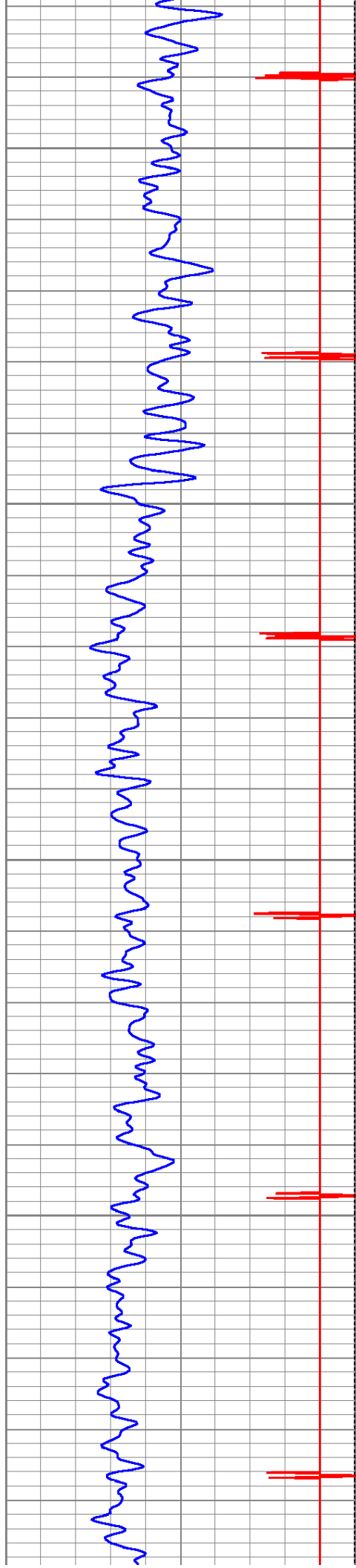
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750

800

850



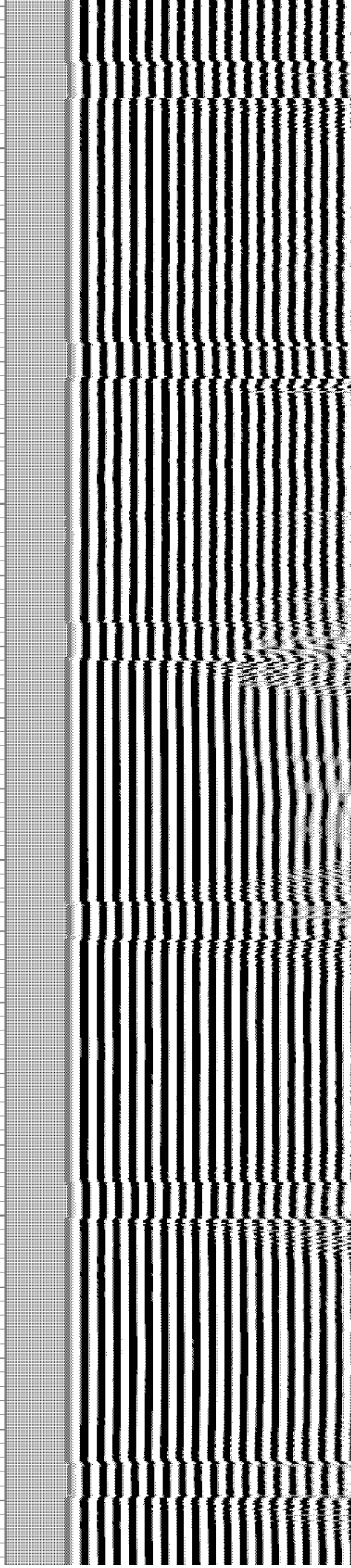
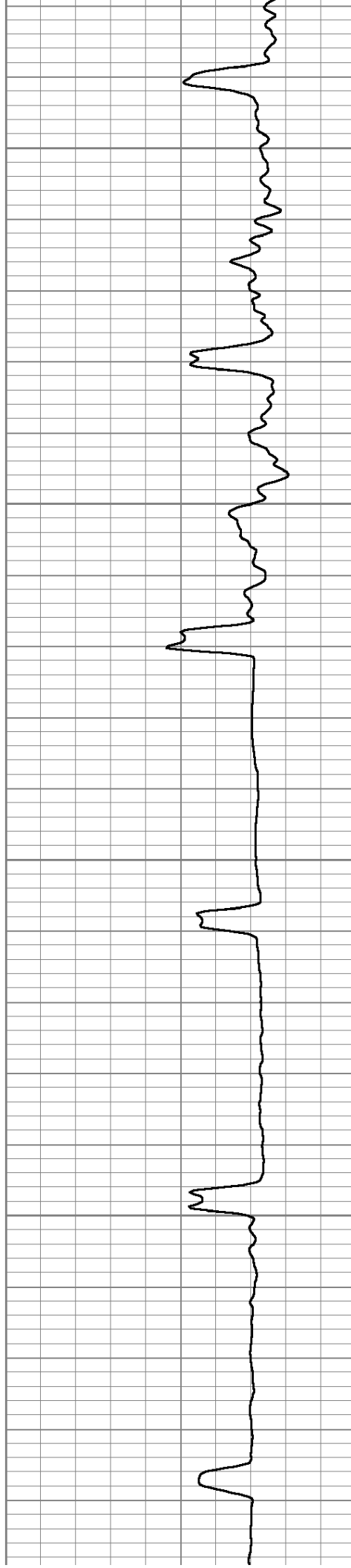


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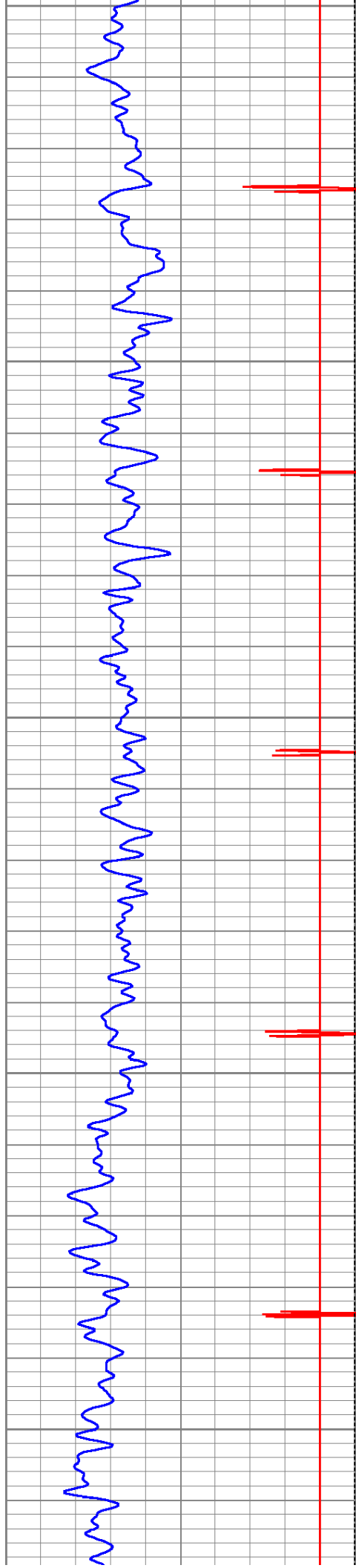
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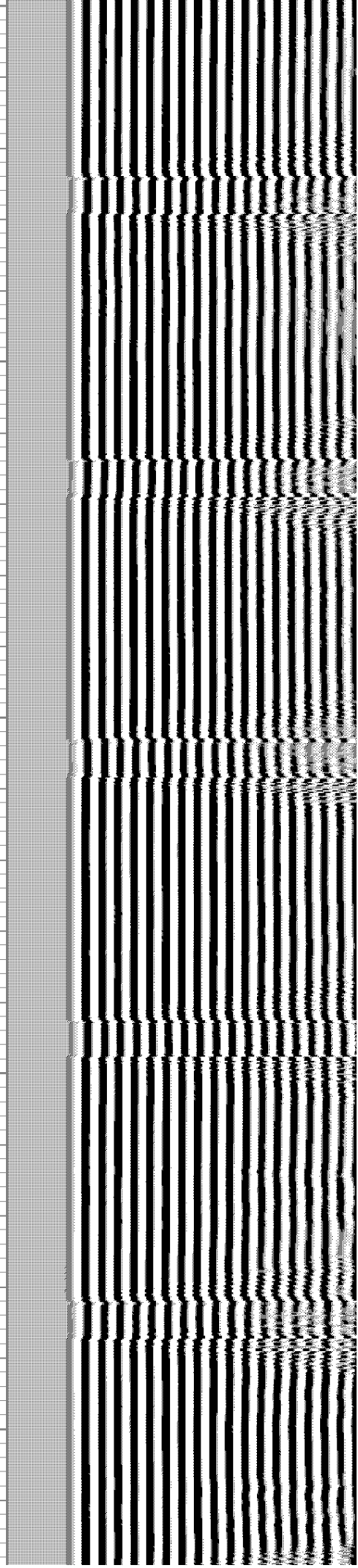
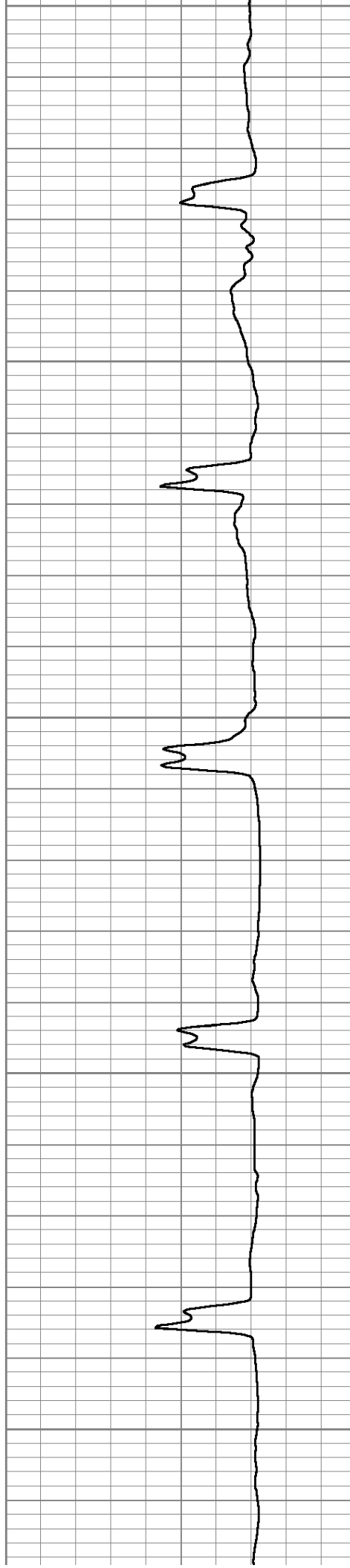
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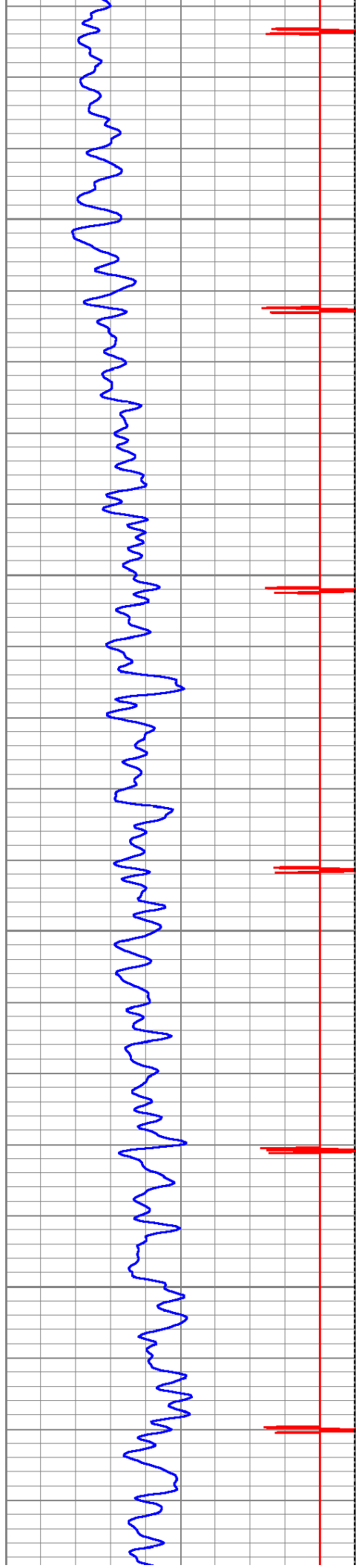




1100  
1150  
1200  
1250  
1300





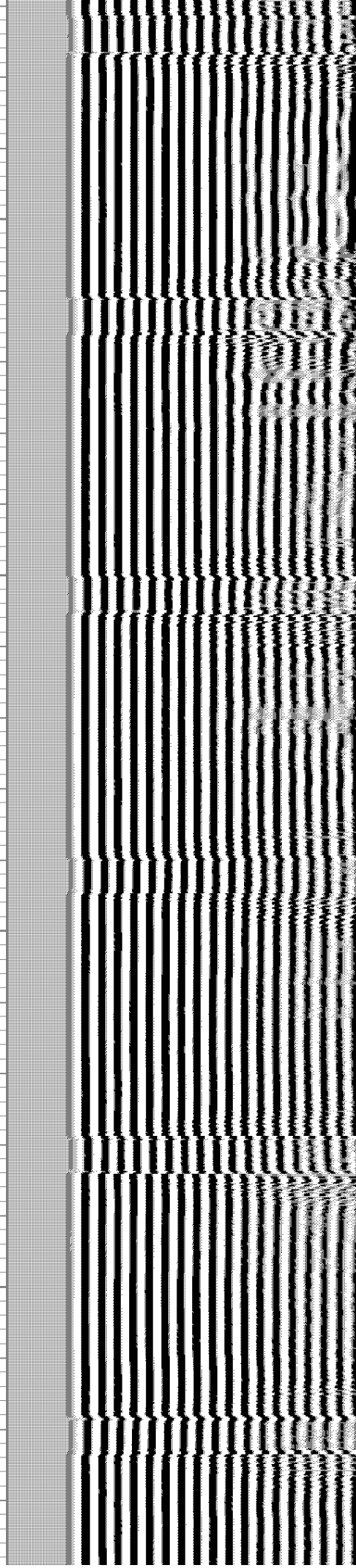
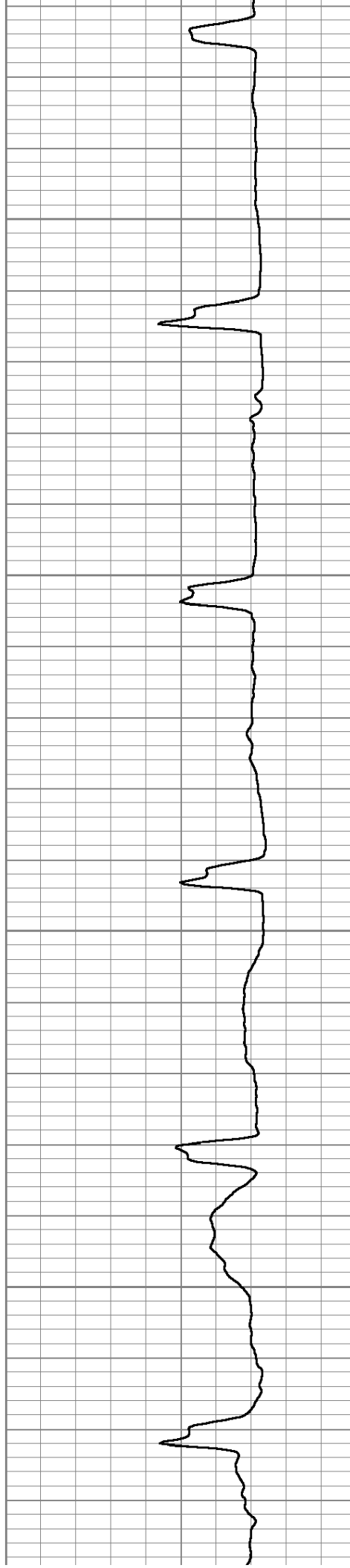


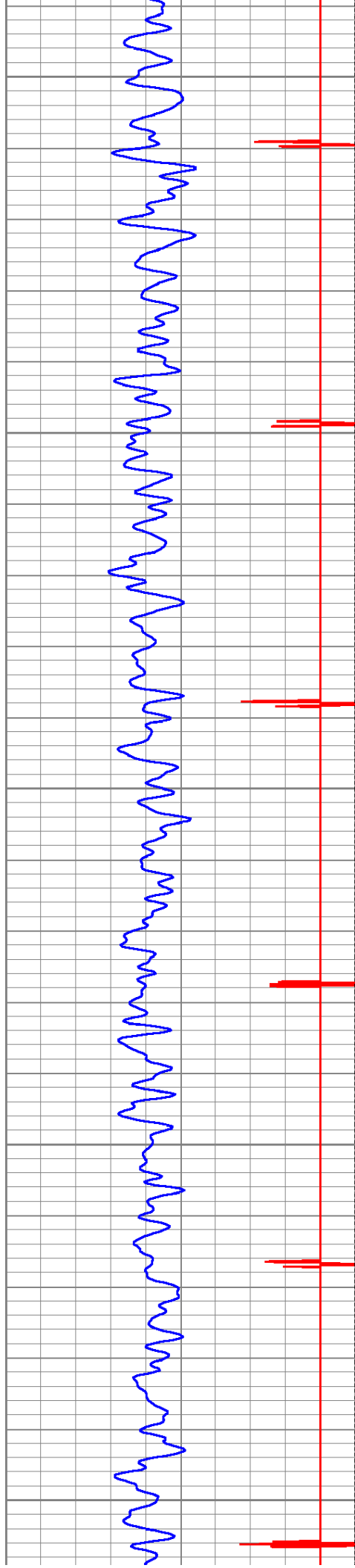
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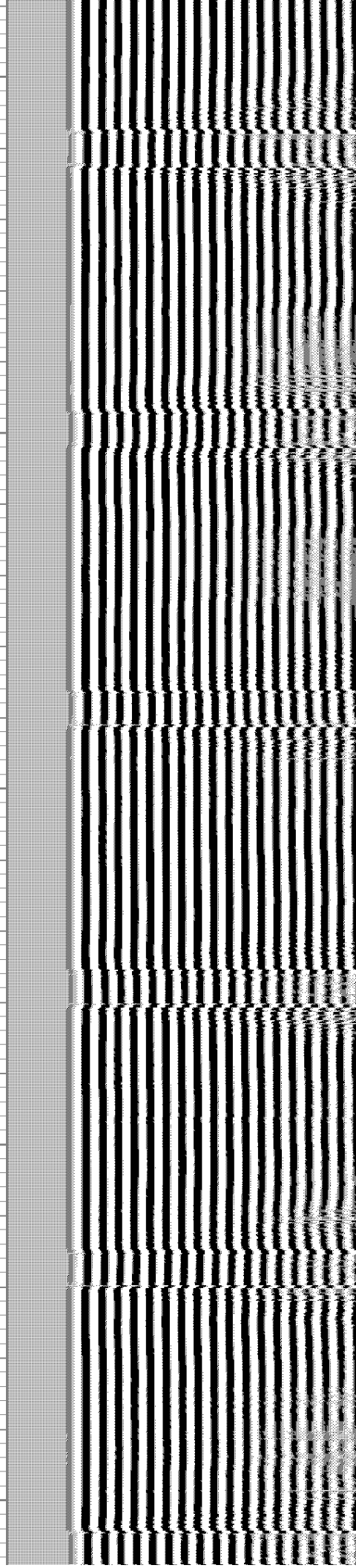
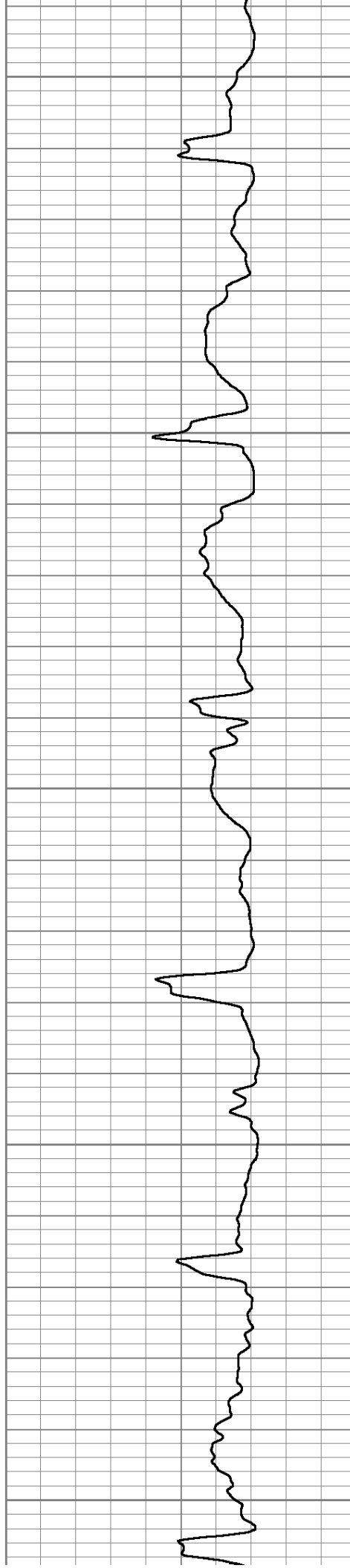
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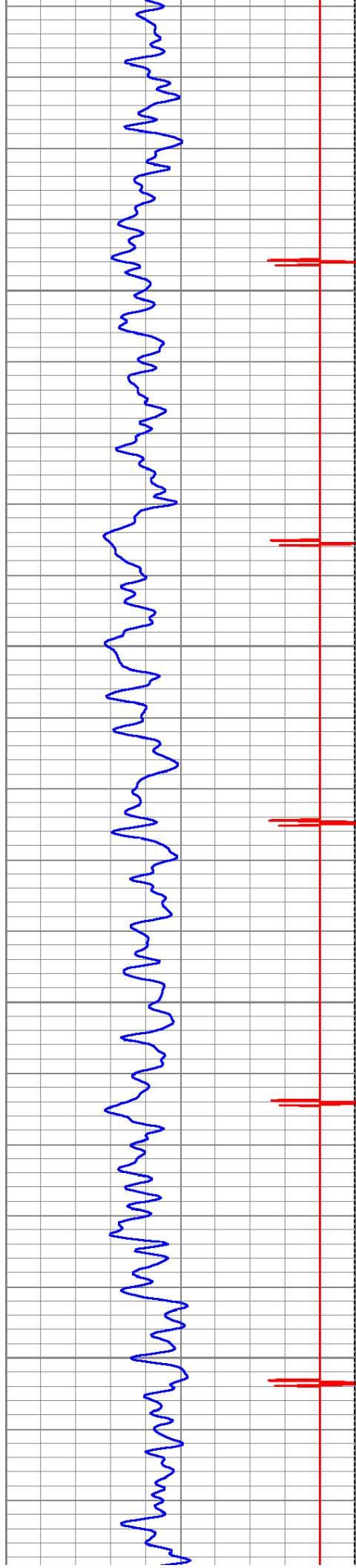
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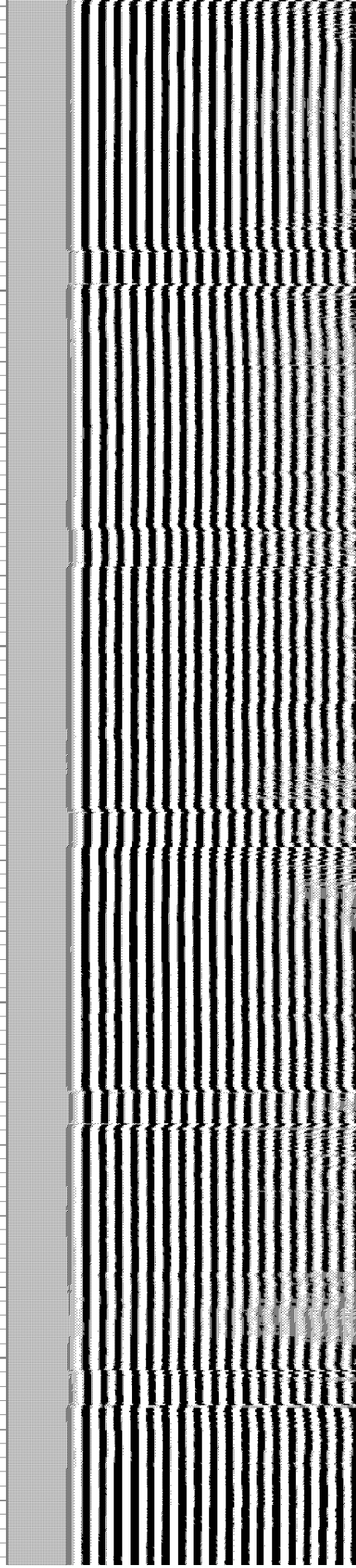
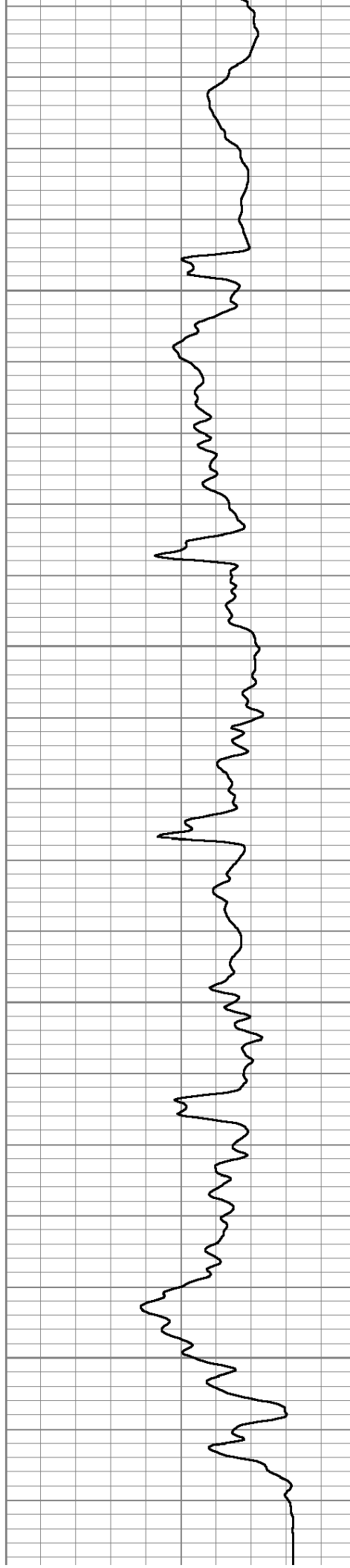


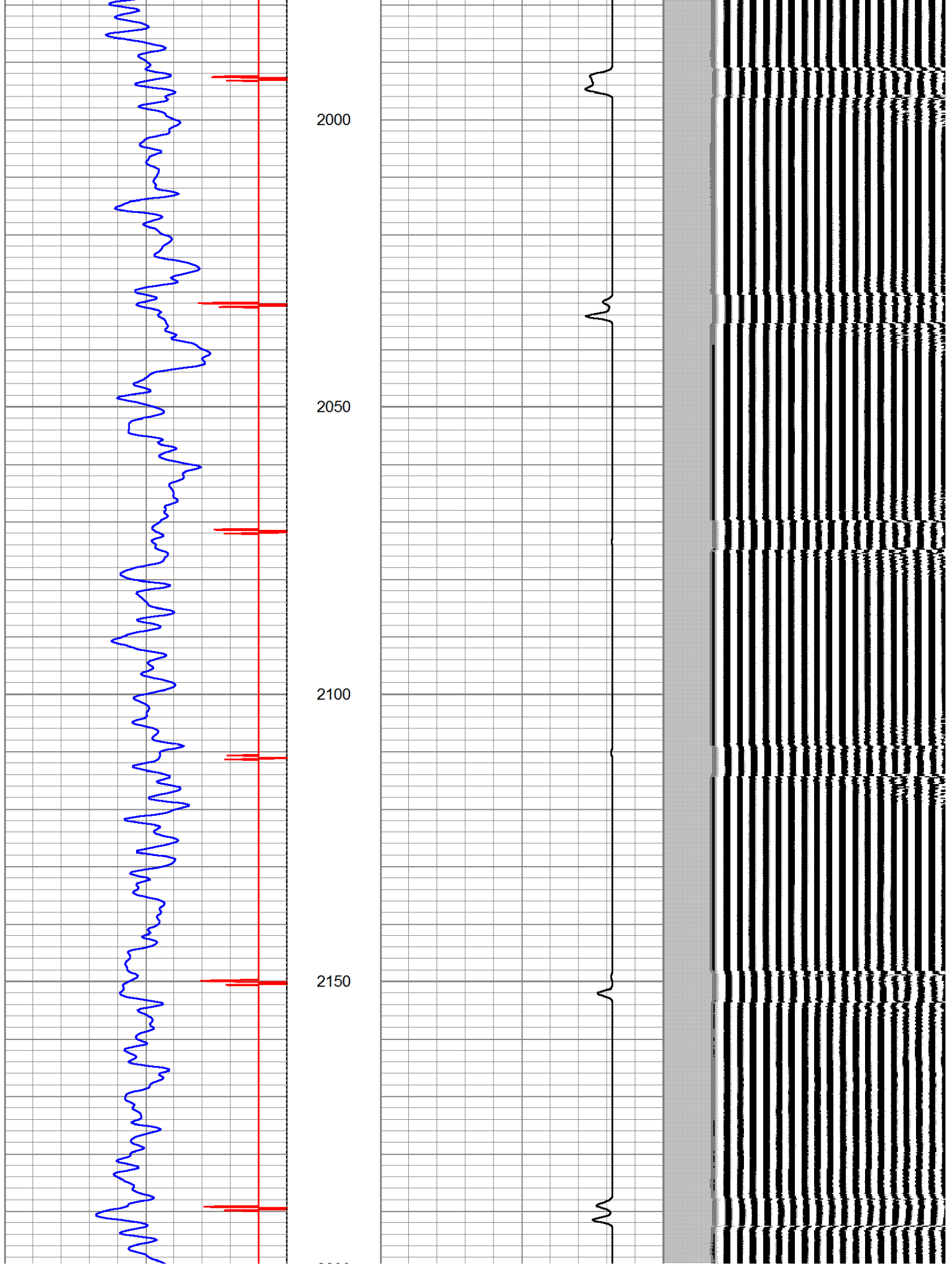
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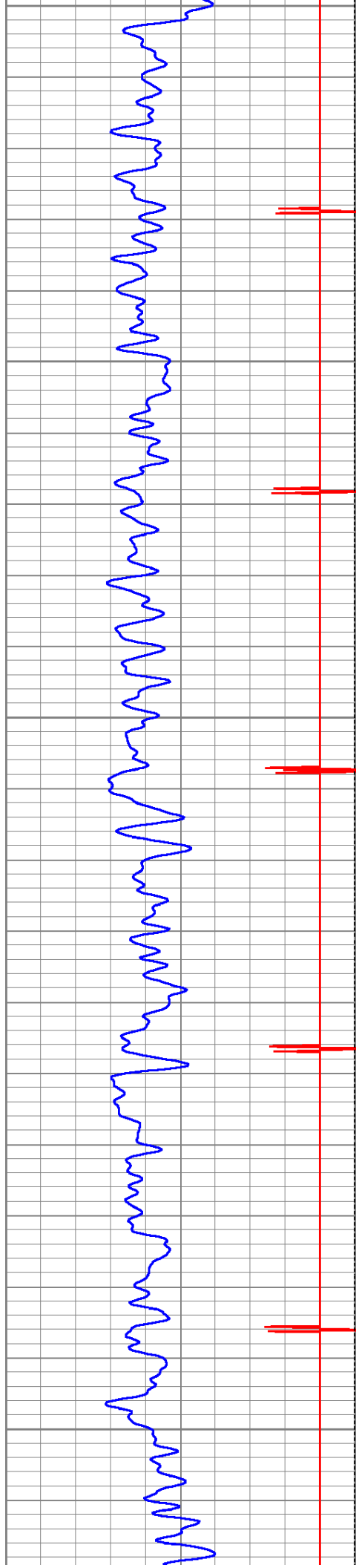
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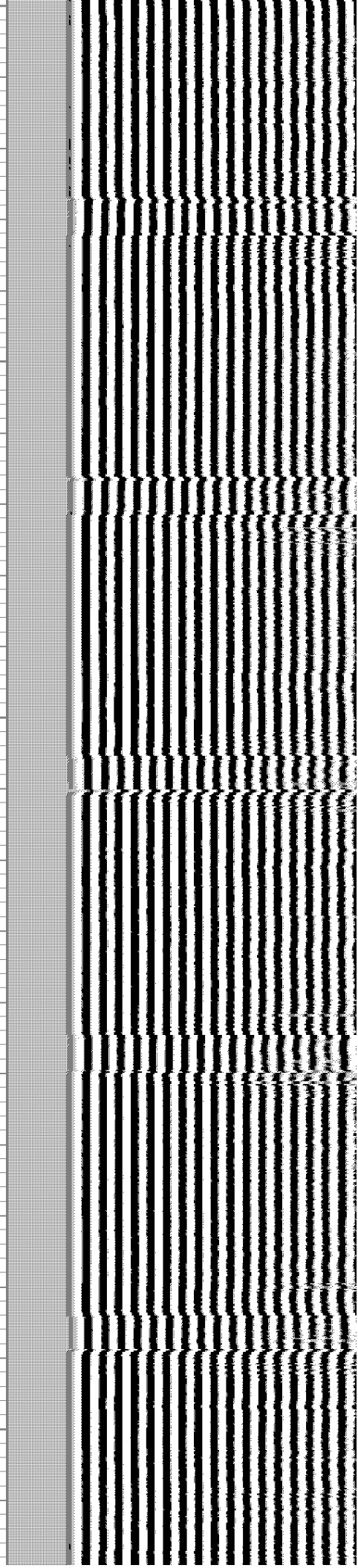
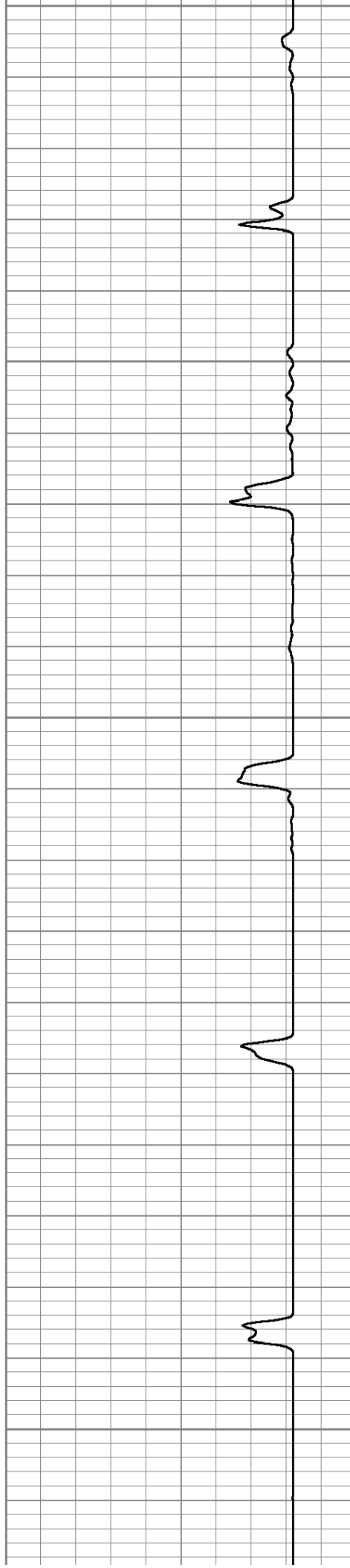
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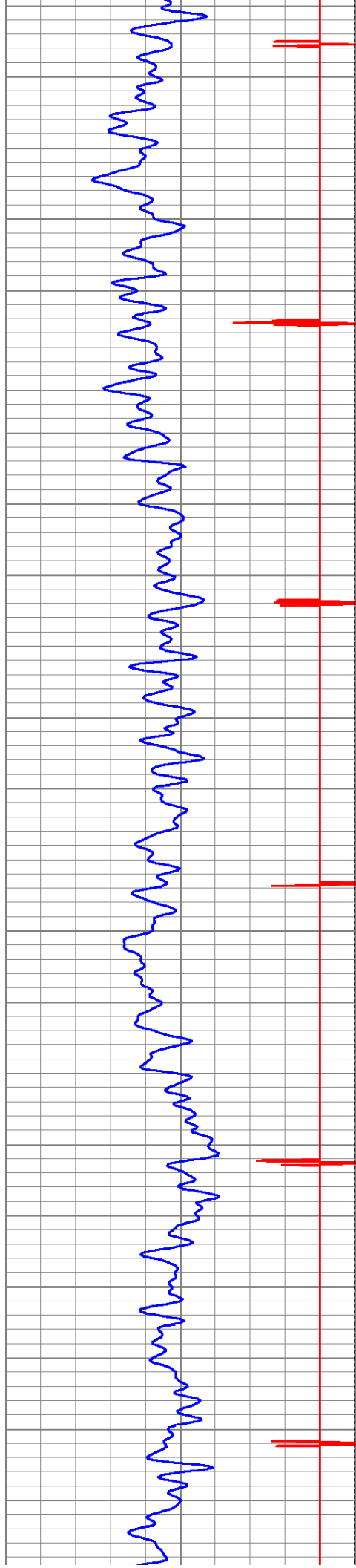
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2350

2400



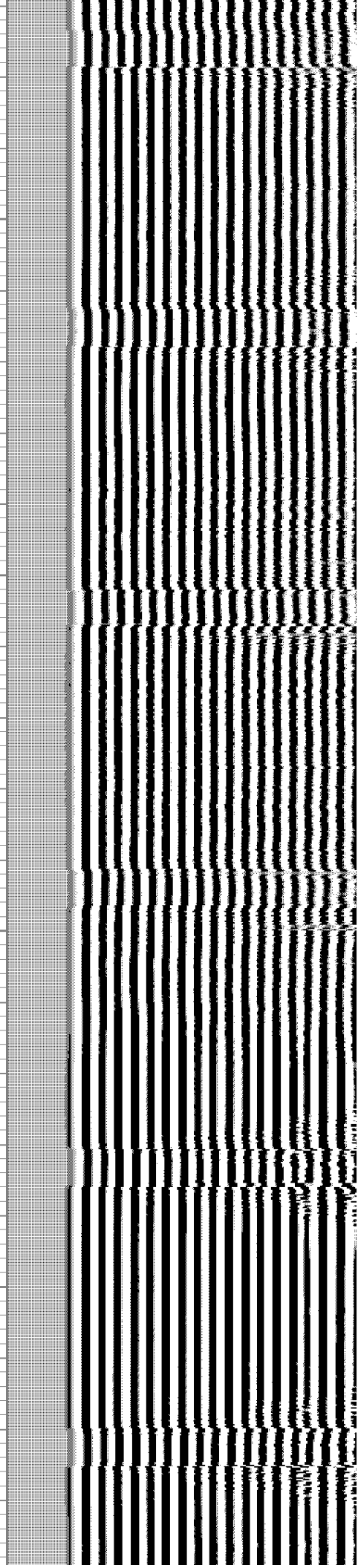
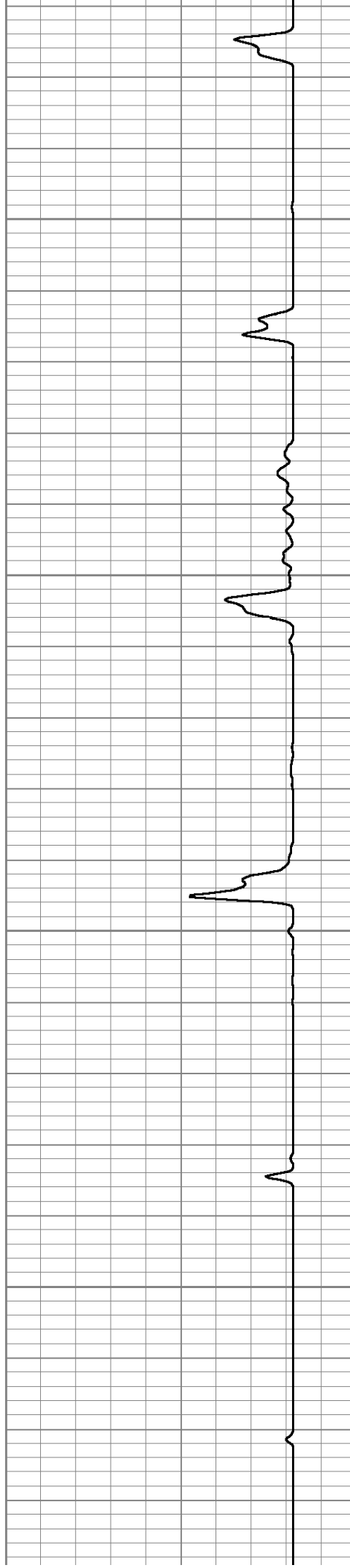


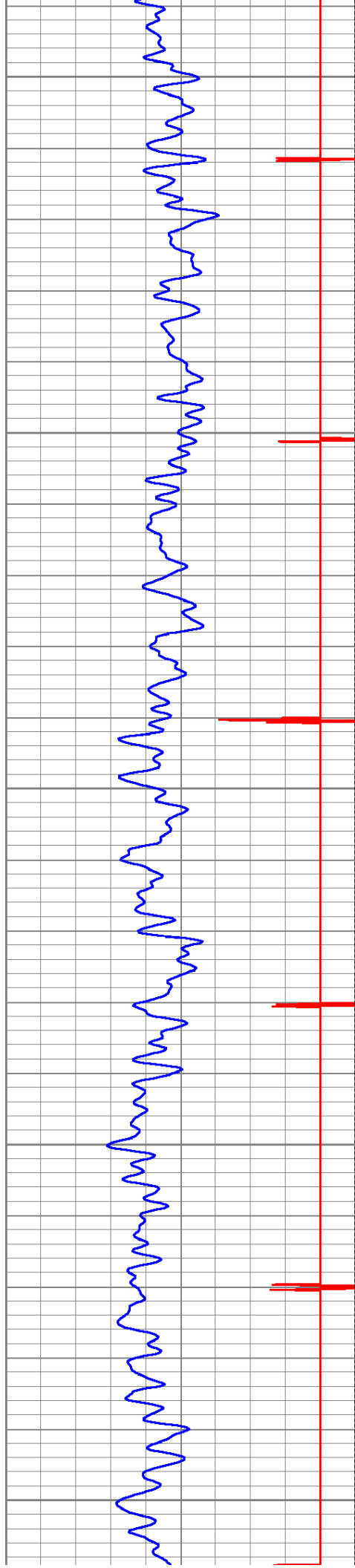
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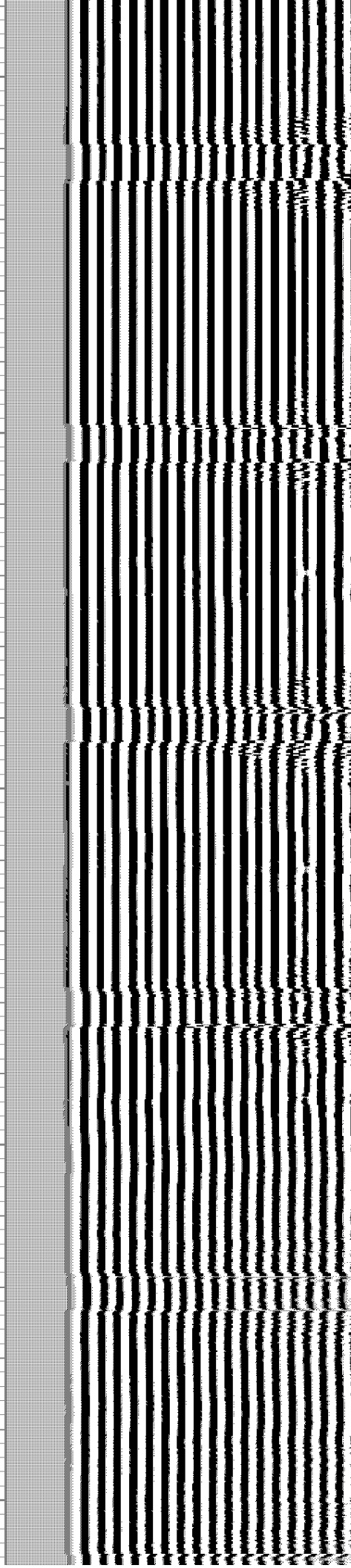
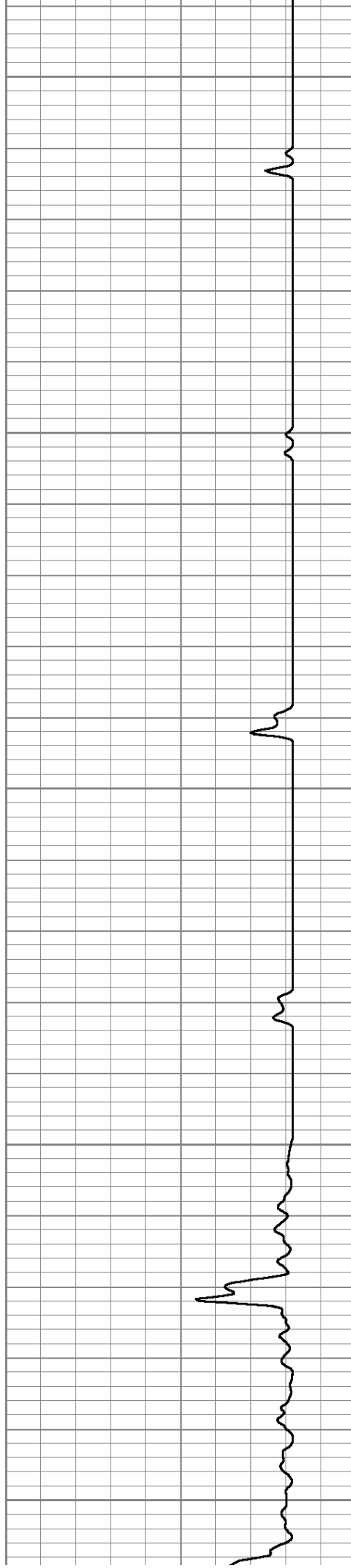
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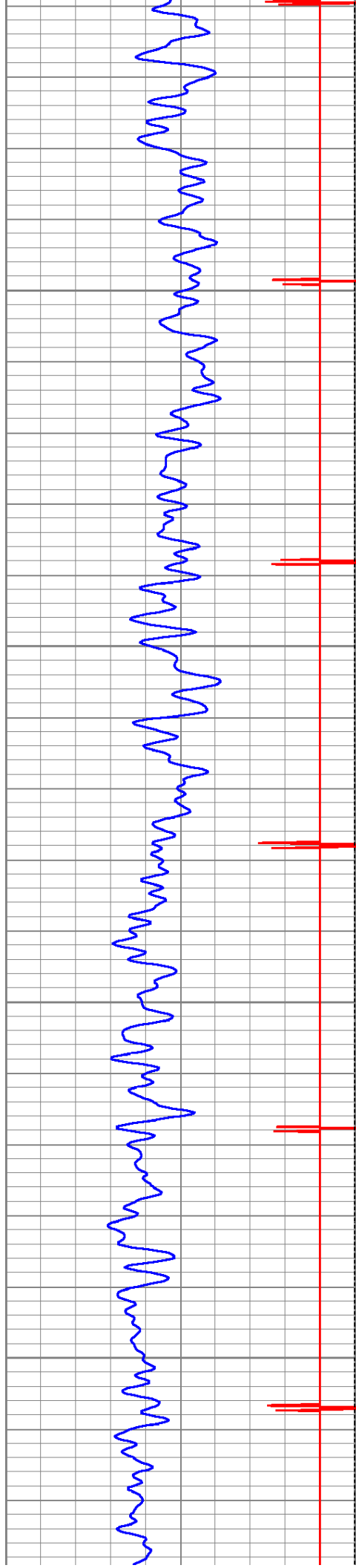
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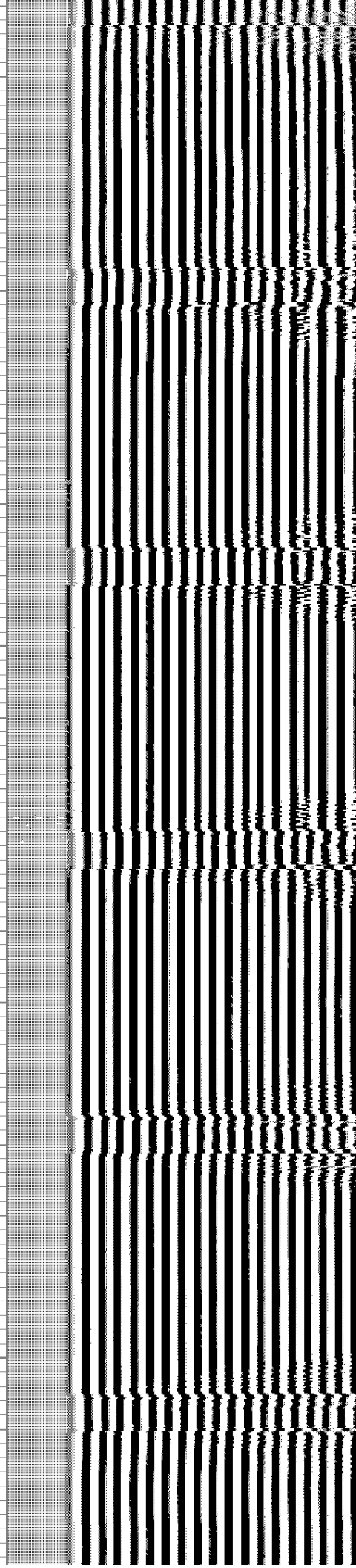
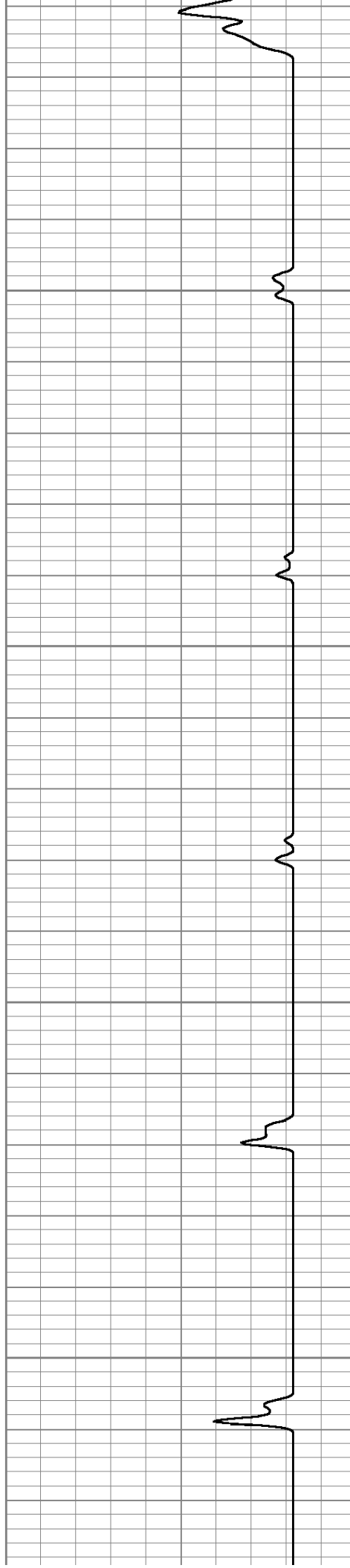


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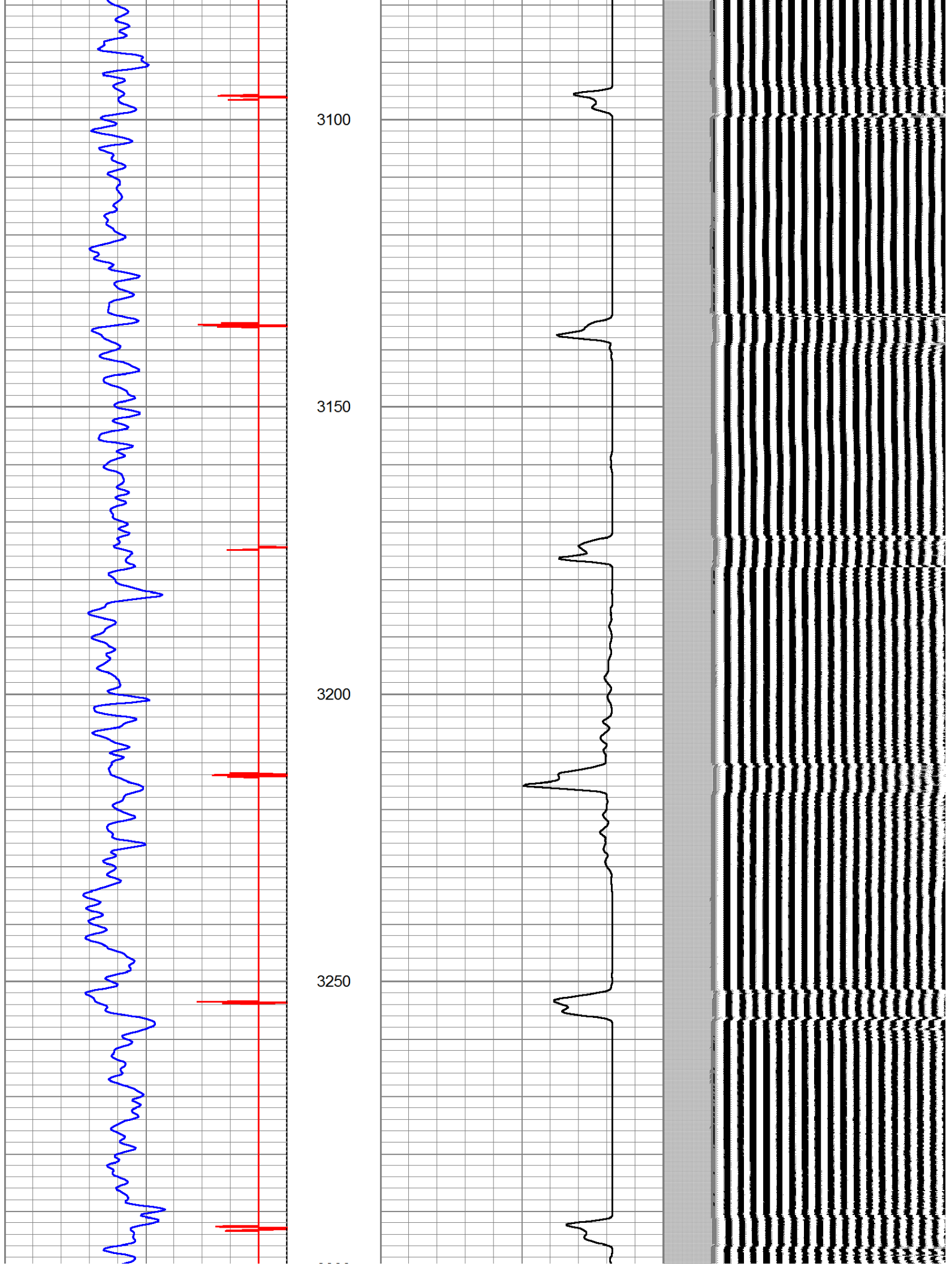
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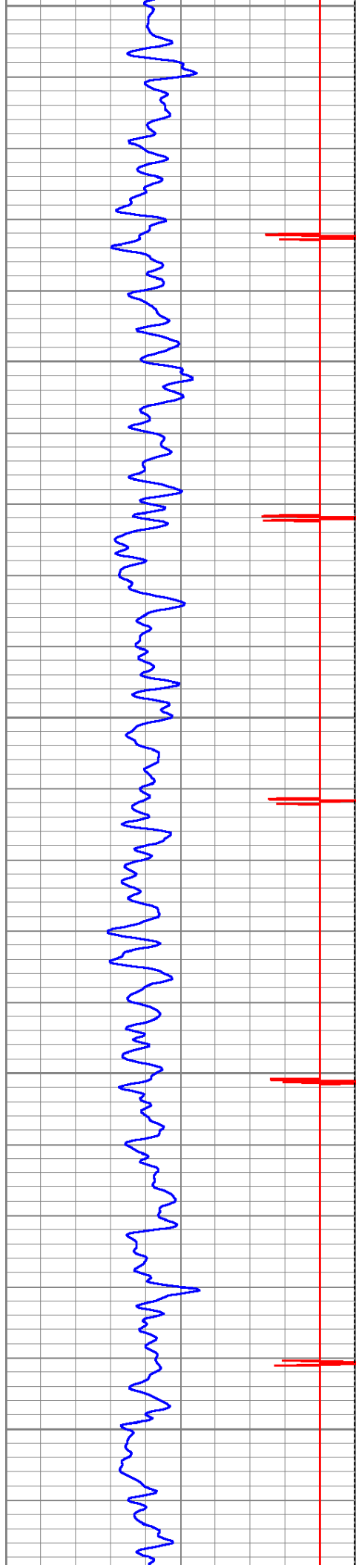
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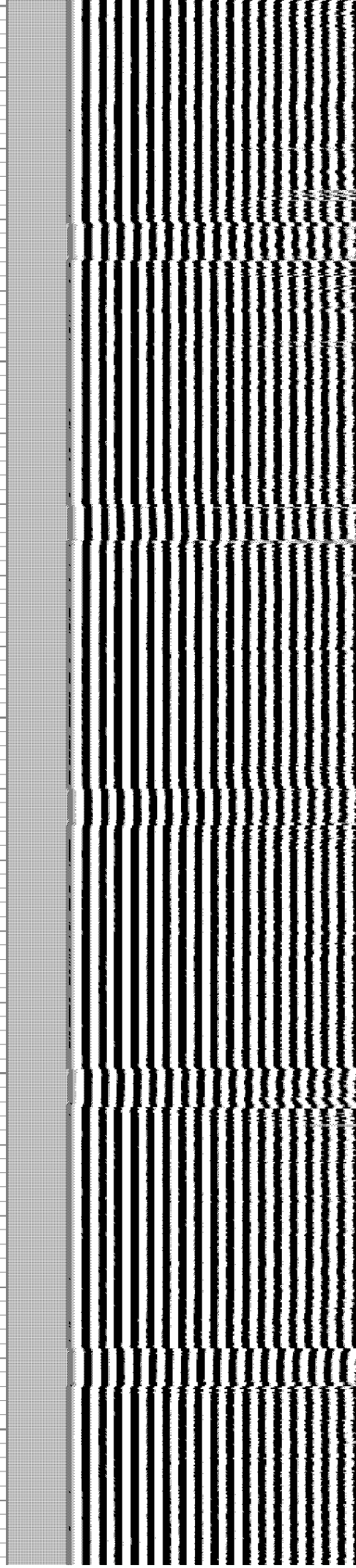
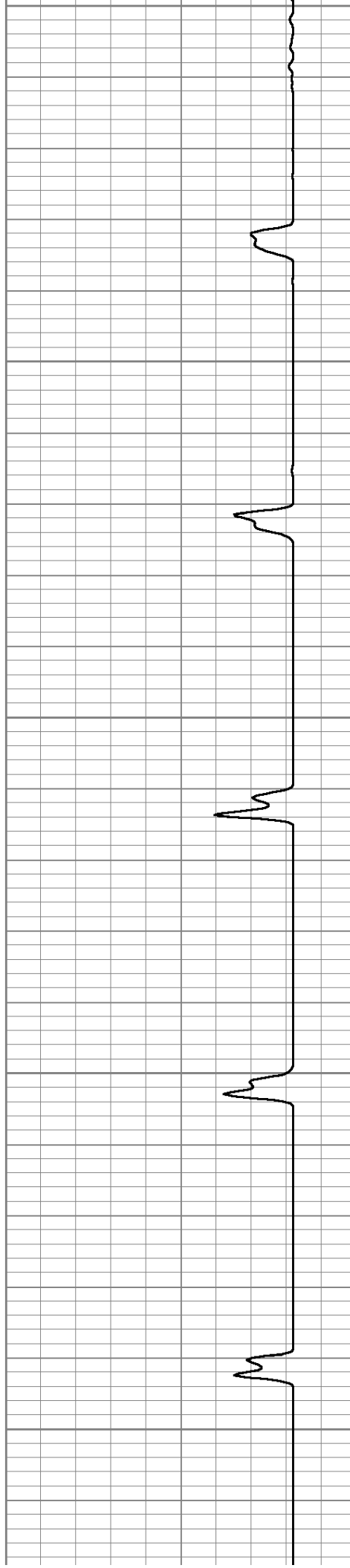
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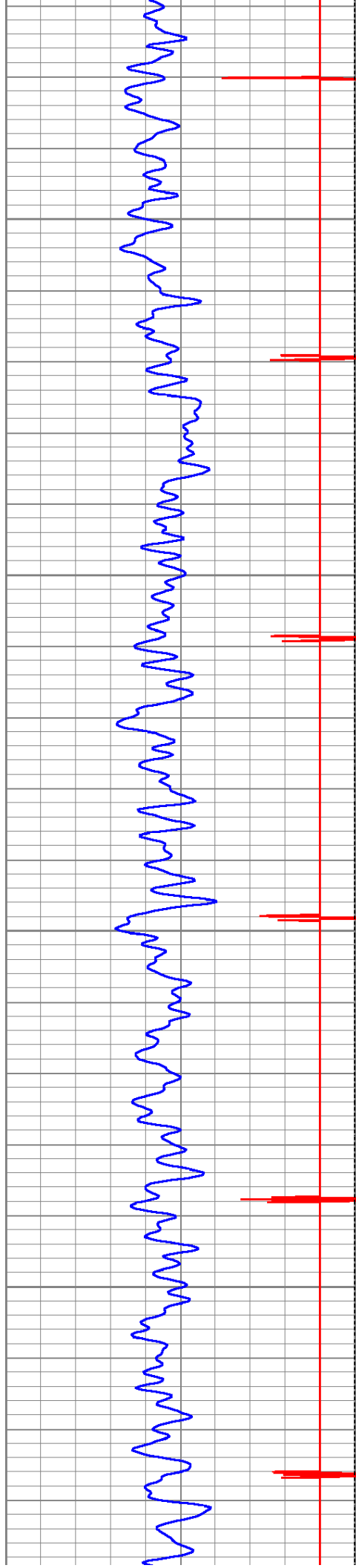
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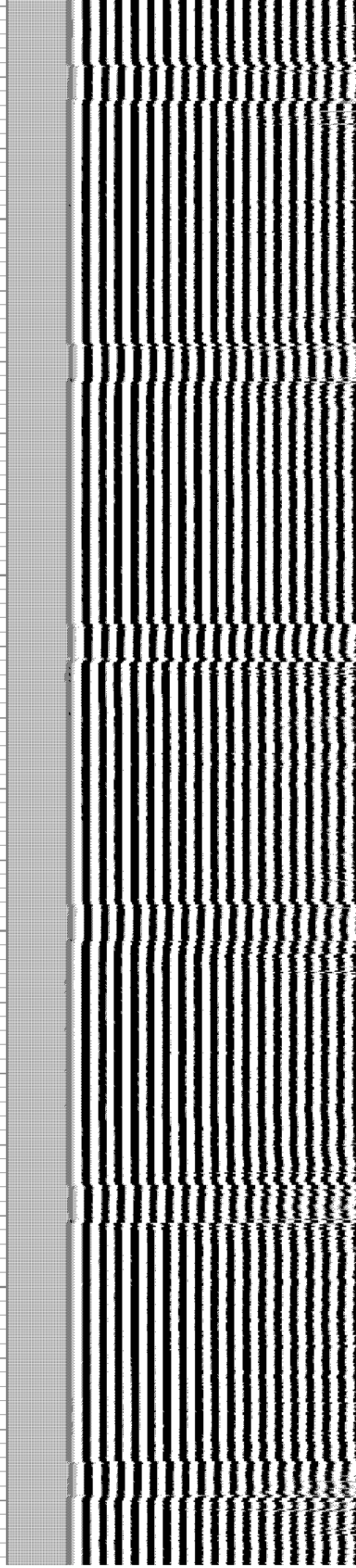
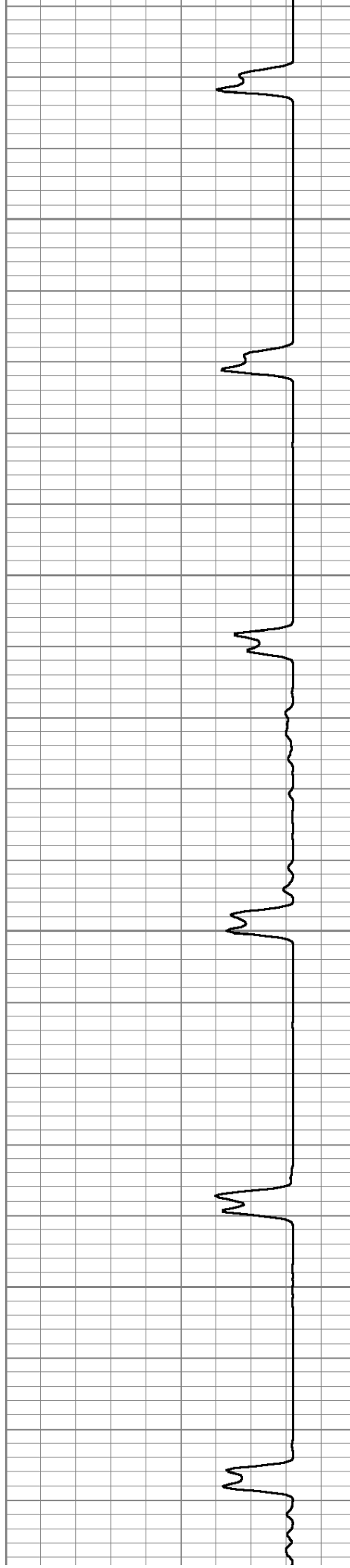


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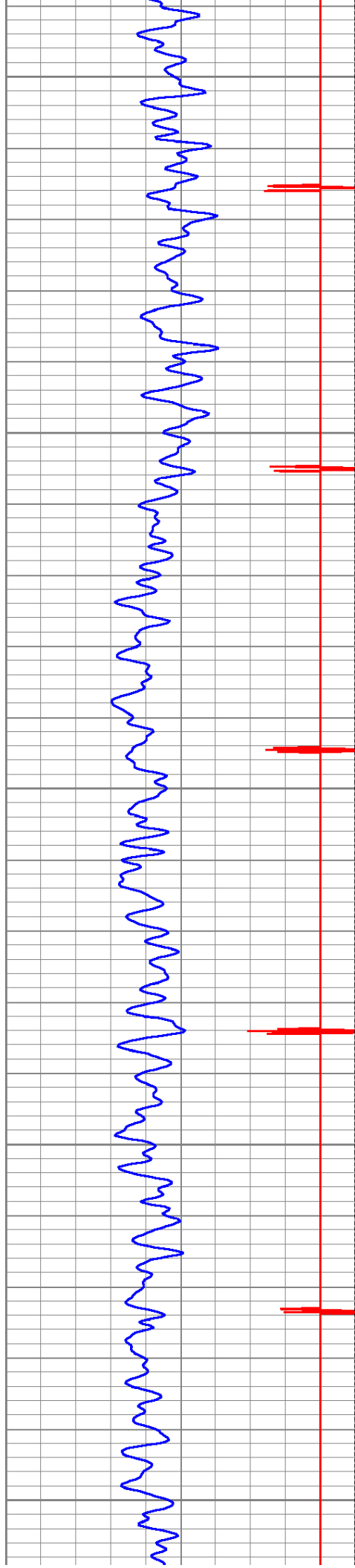
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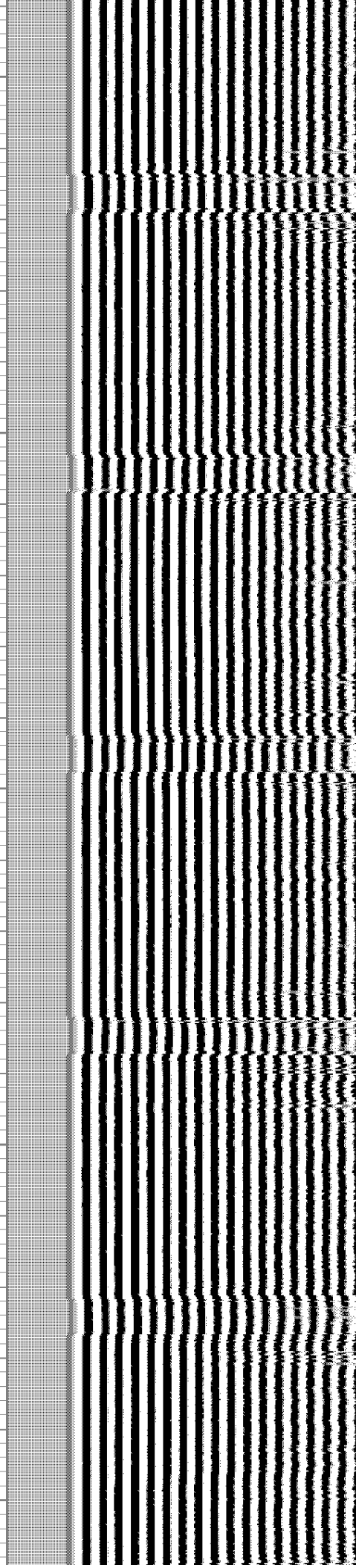
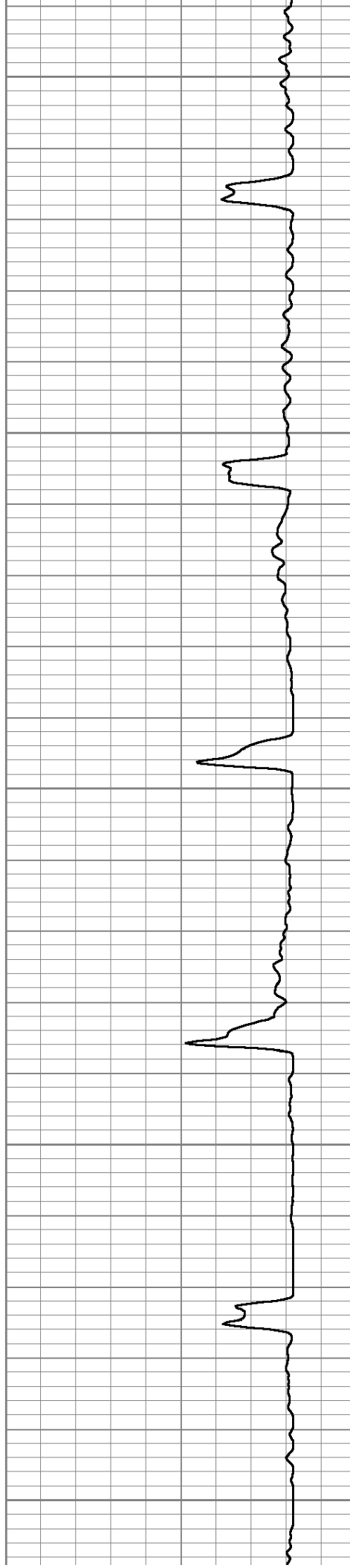
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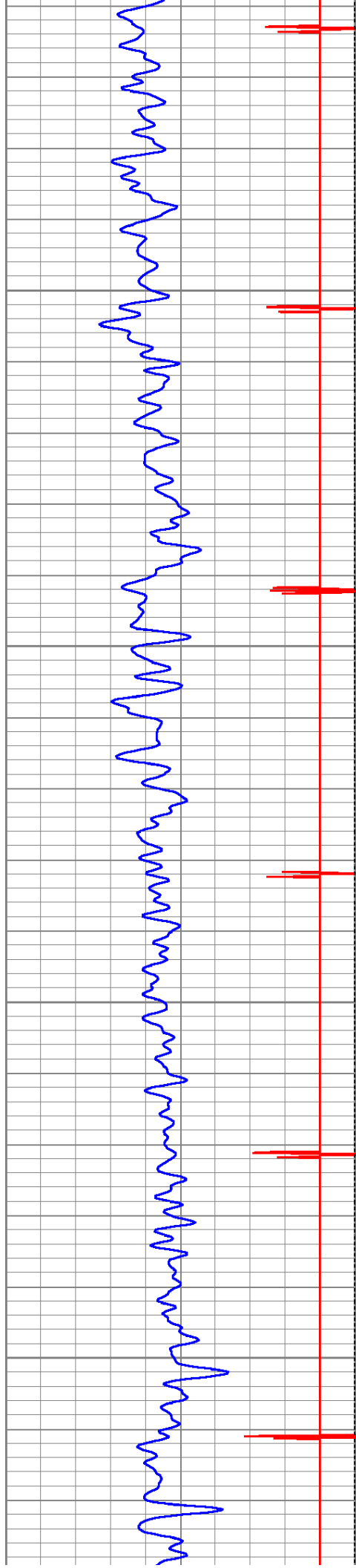
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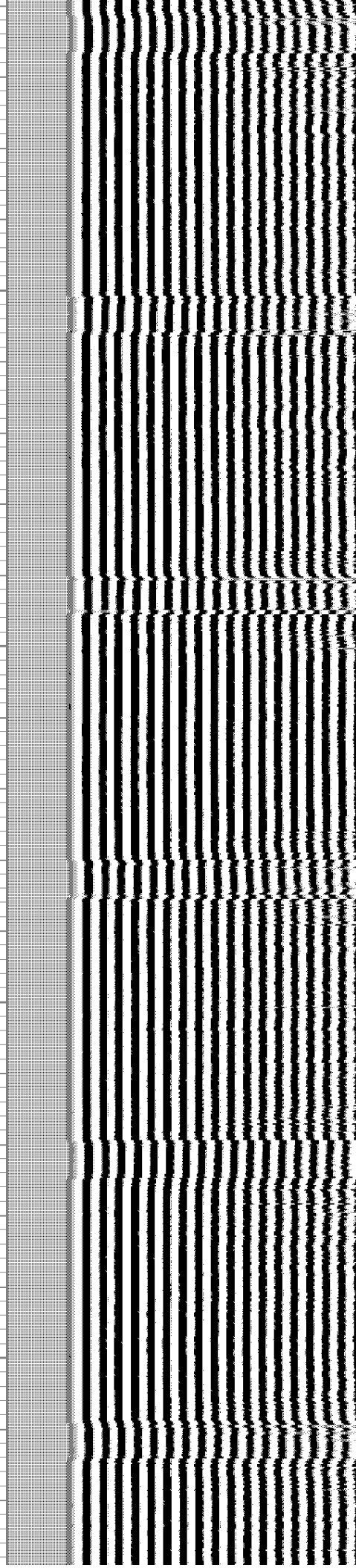
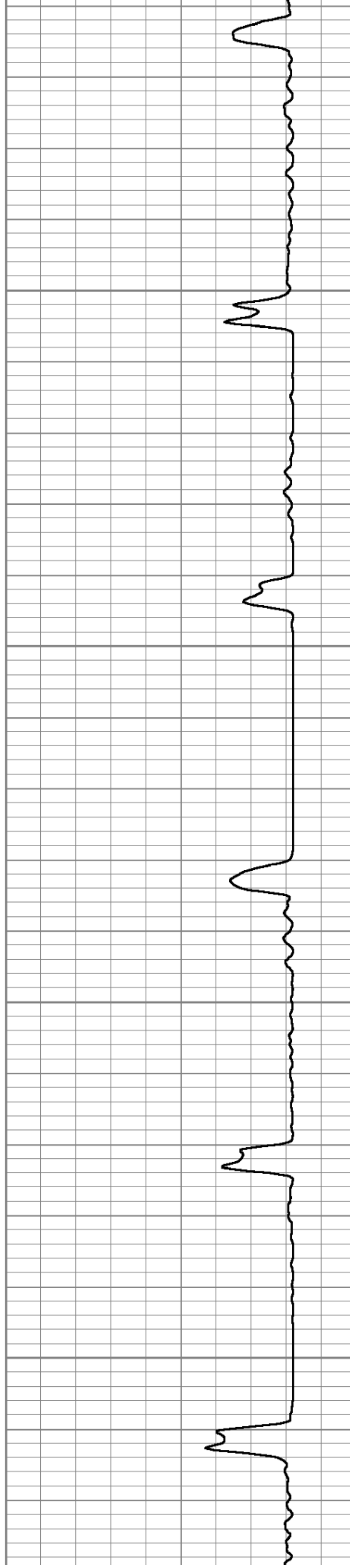


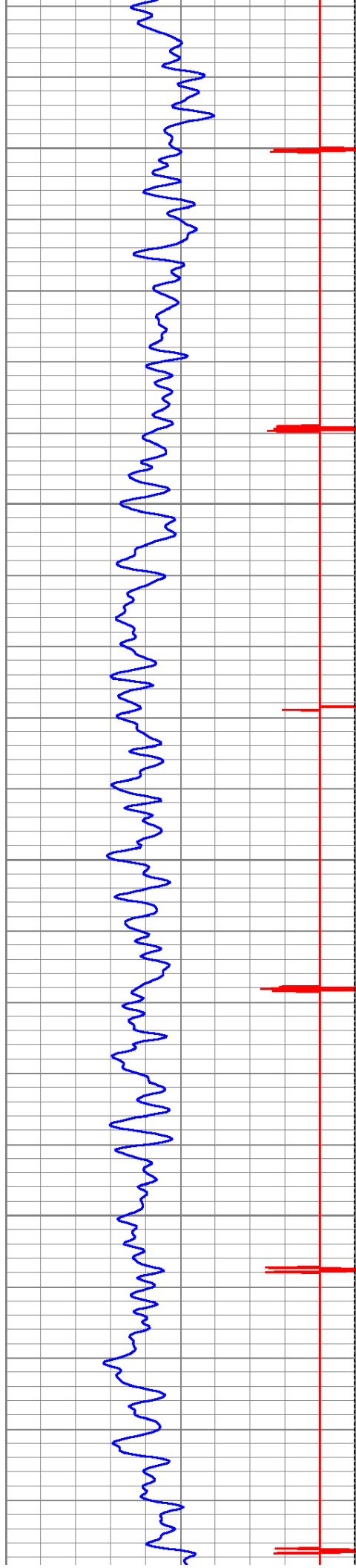
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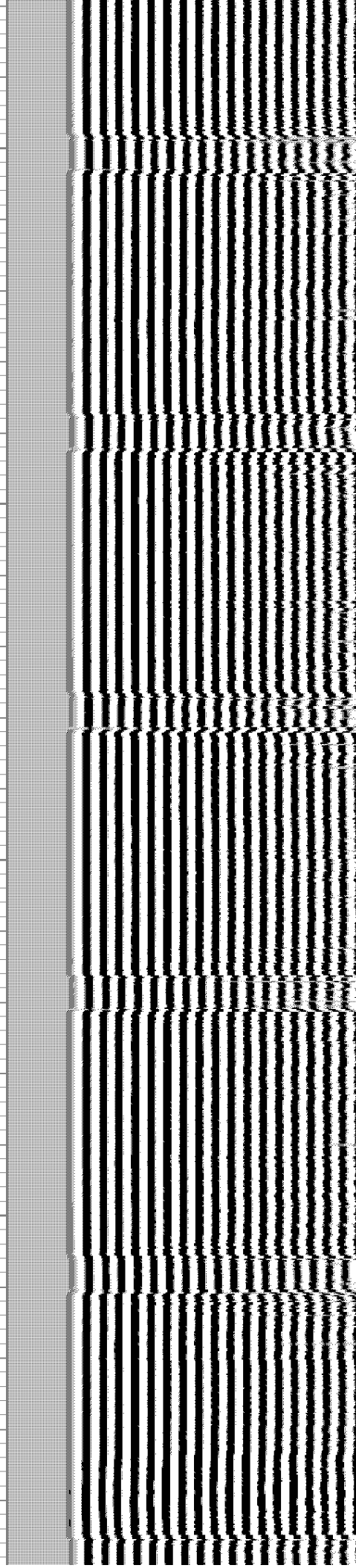
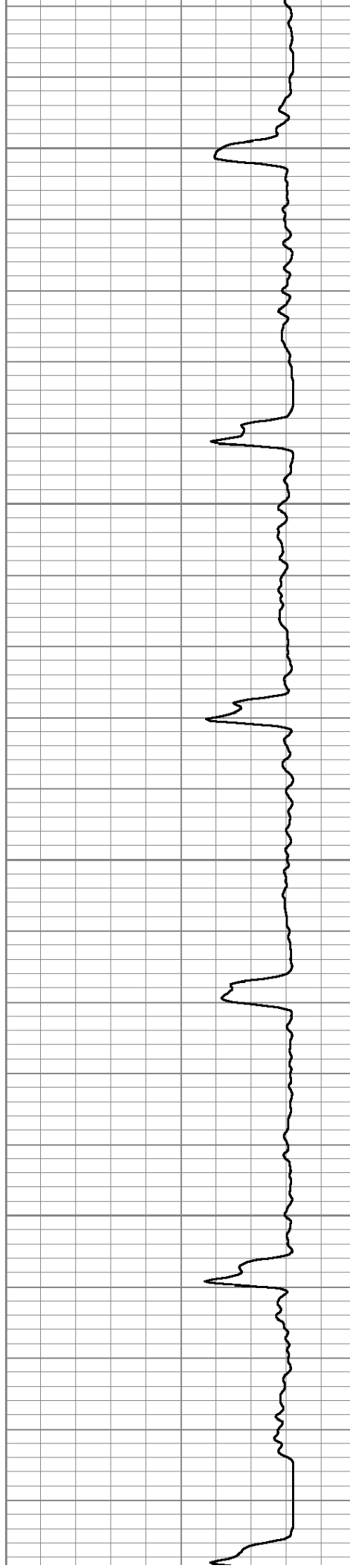


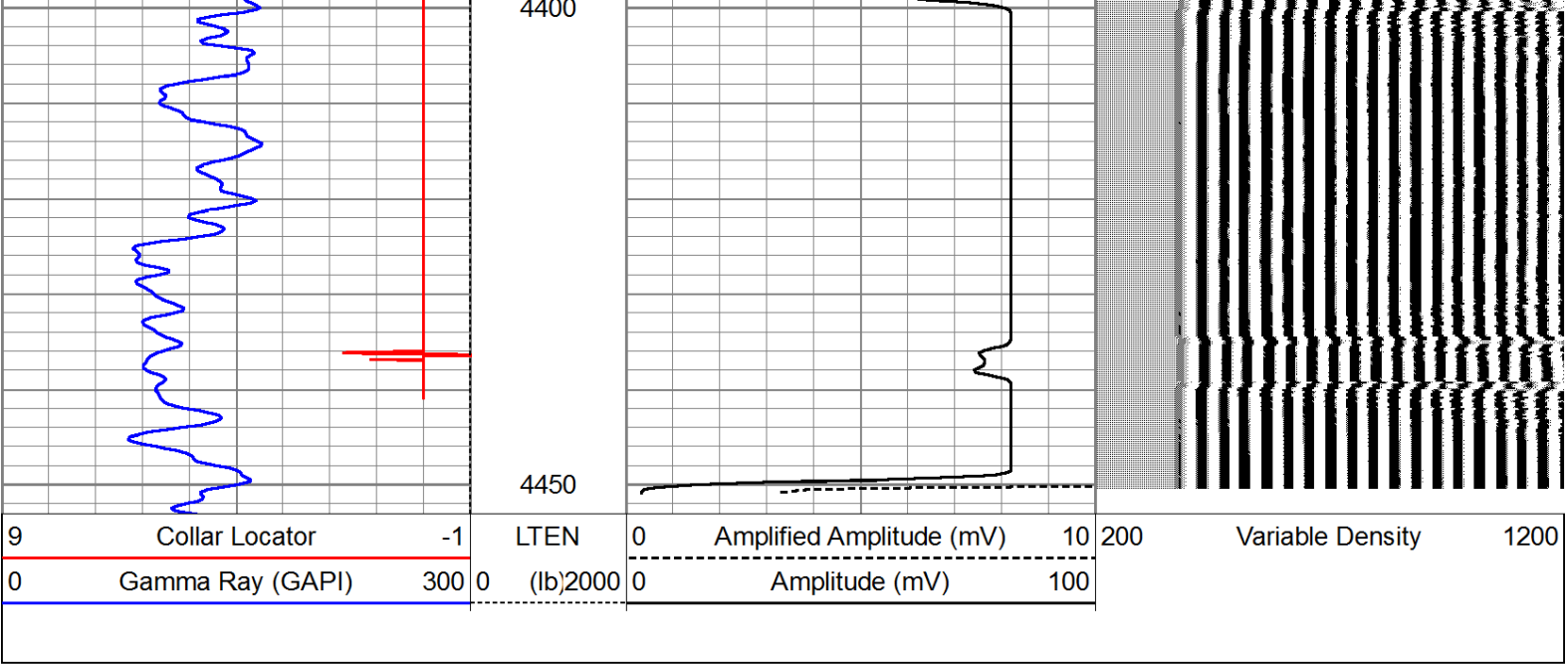
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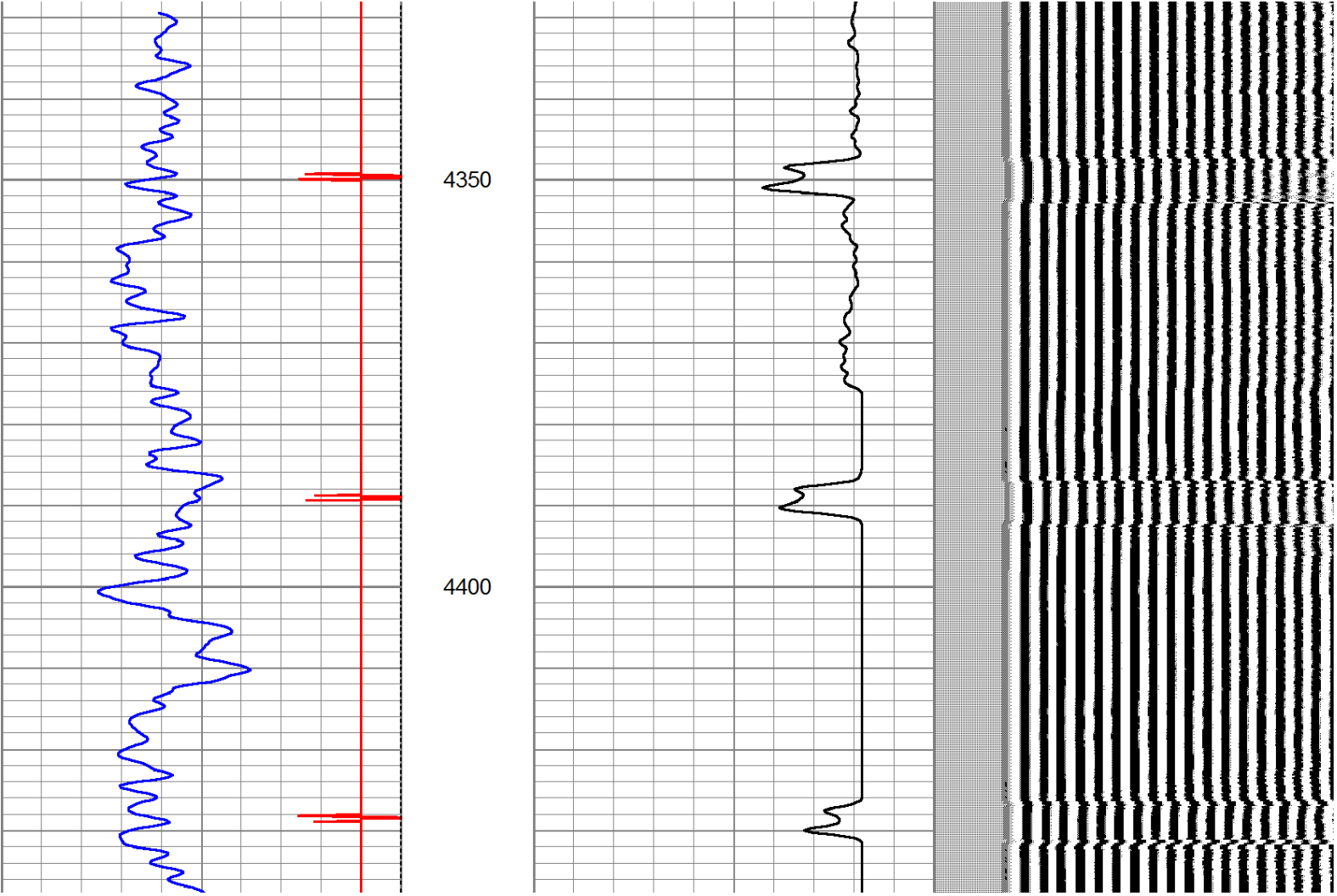
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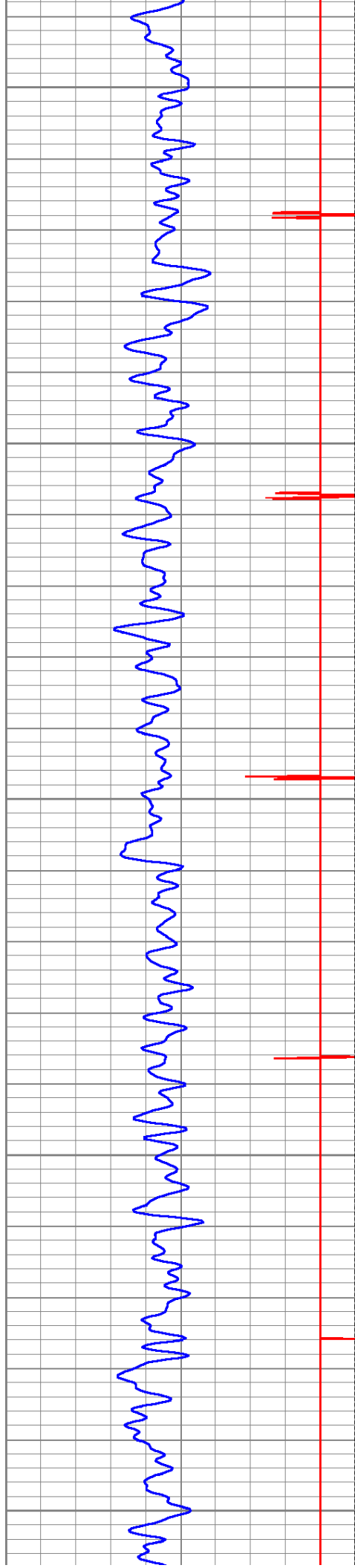


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Dataset Pathname: pass3  
Presentation Format: cbl\_dr  
Dataset Creation: Thu Oct 31 15:52:59 2013 by Log SCH 120126  
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	300	0	(lb)2000	0	Amplitude (mV)	100		







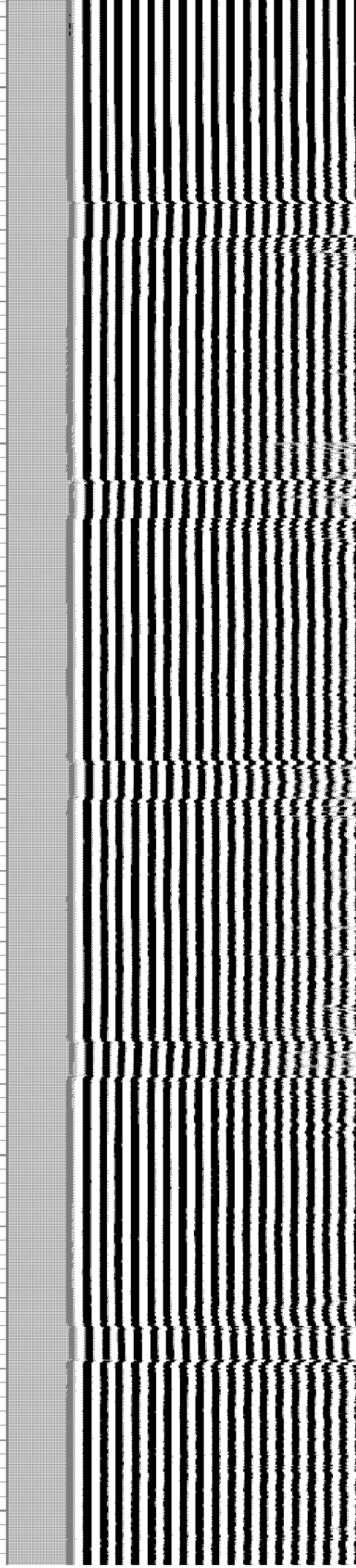
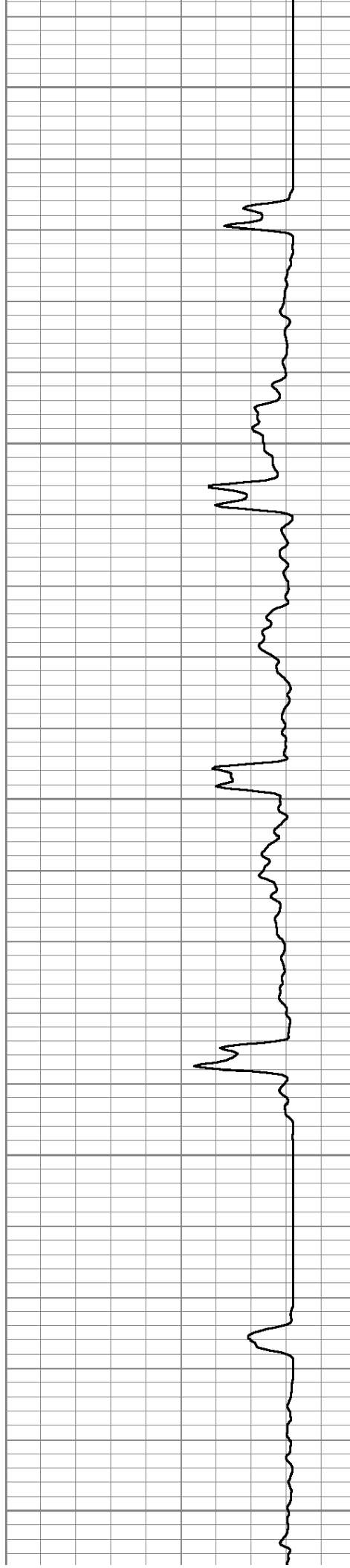
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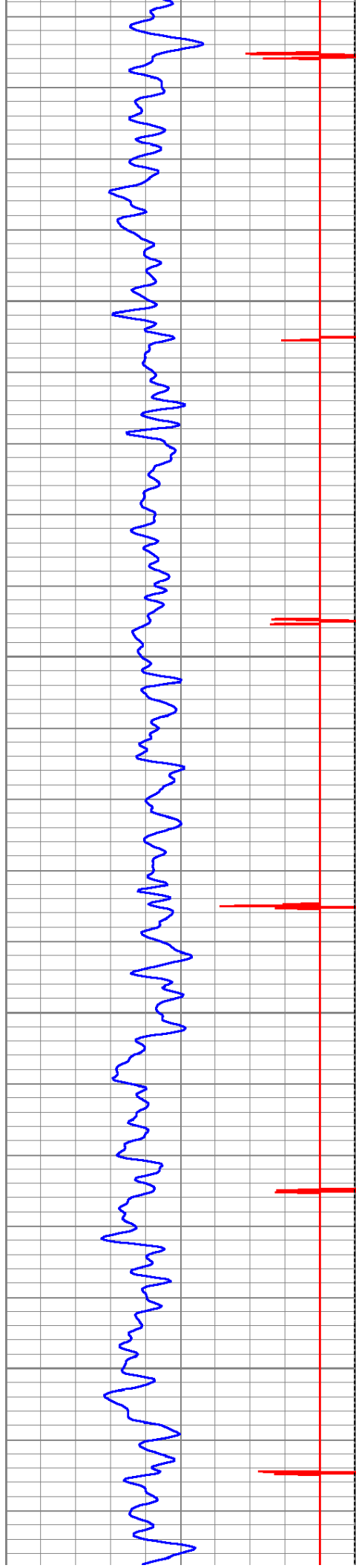
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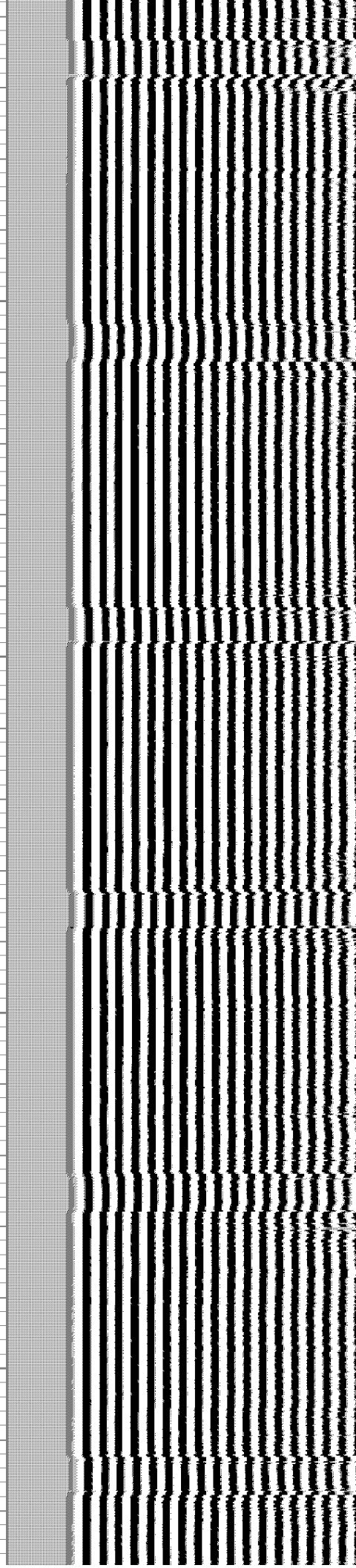
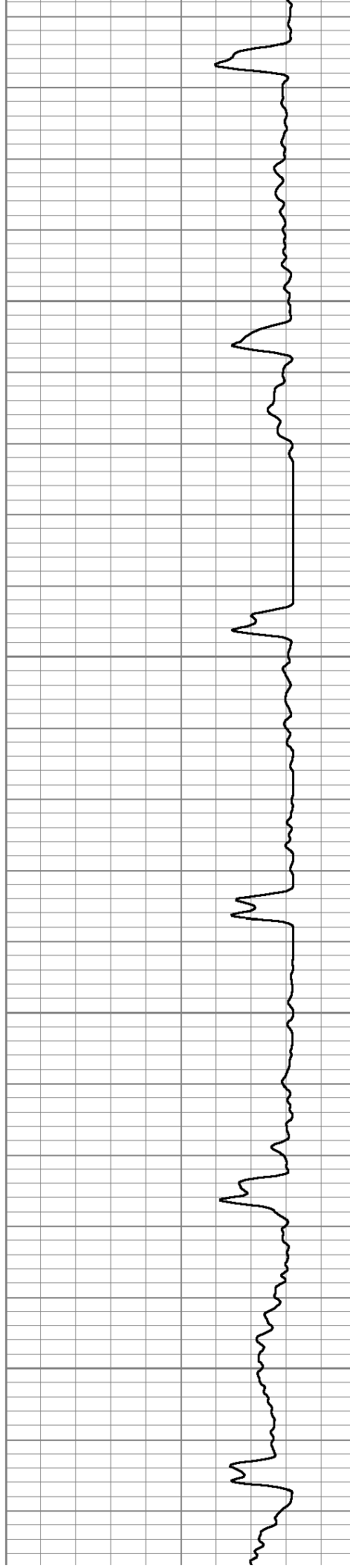


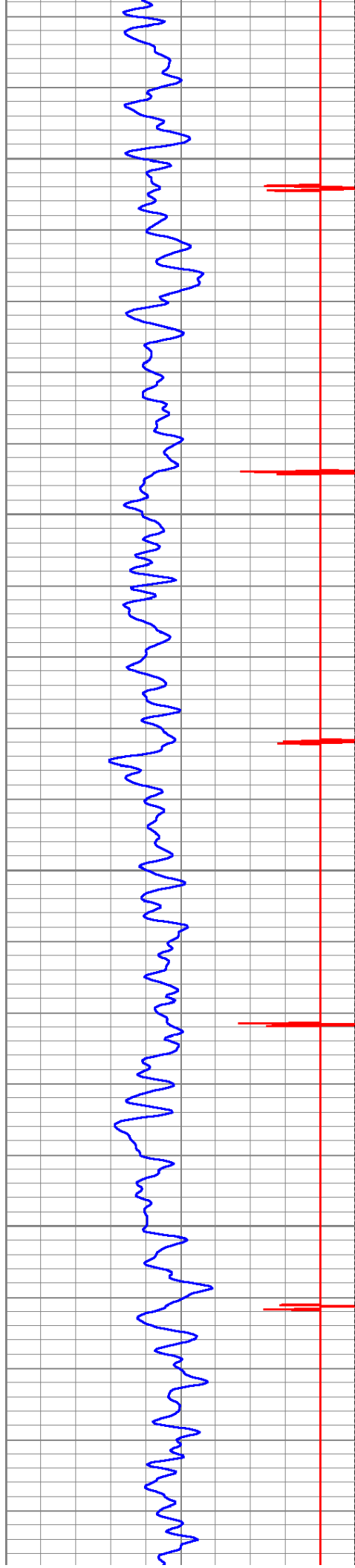
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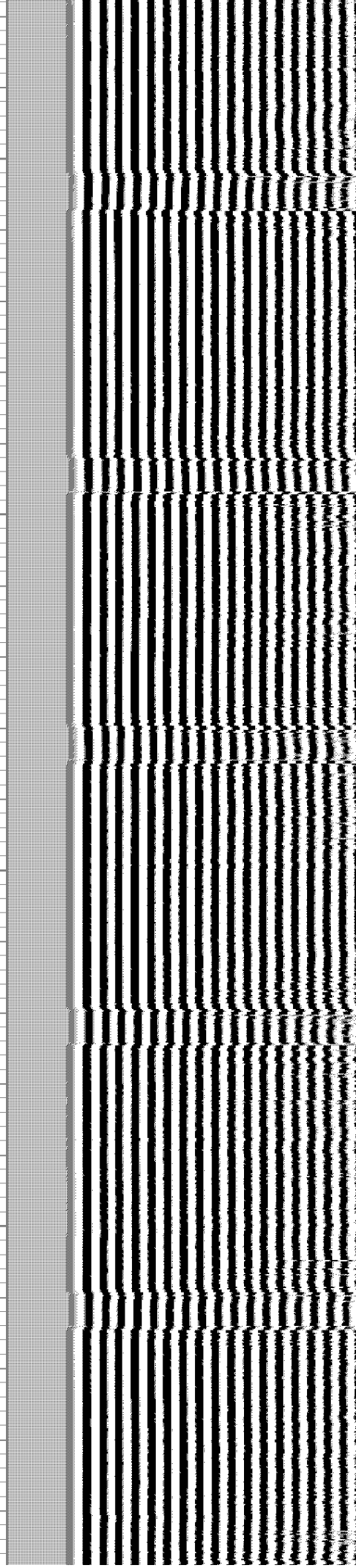
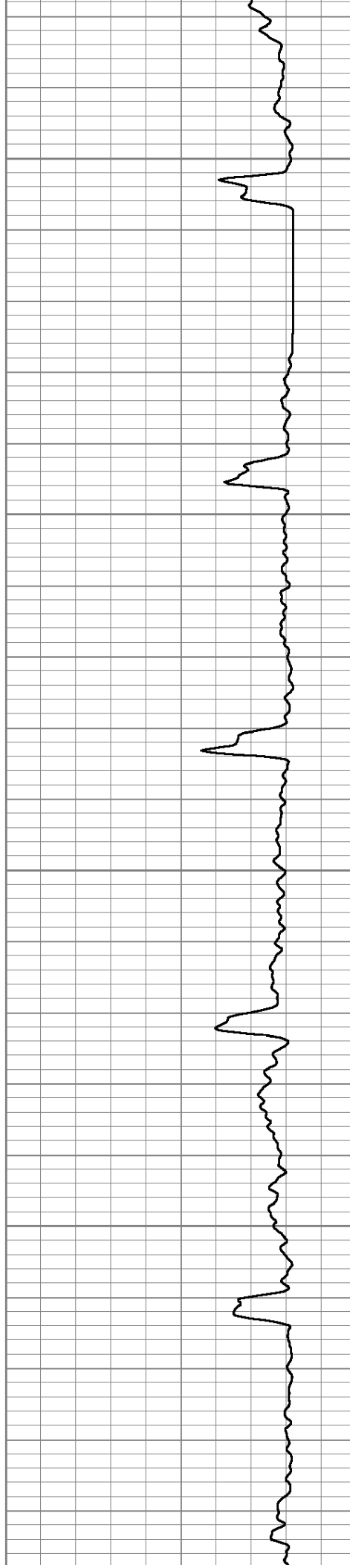


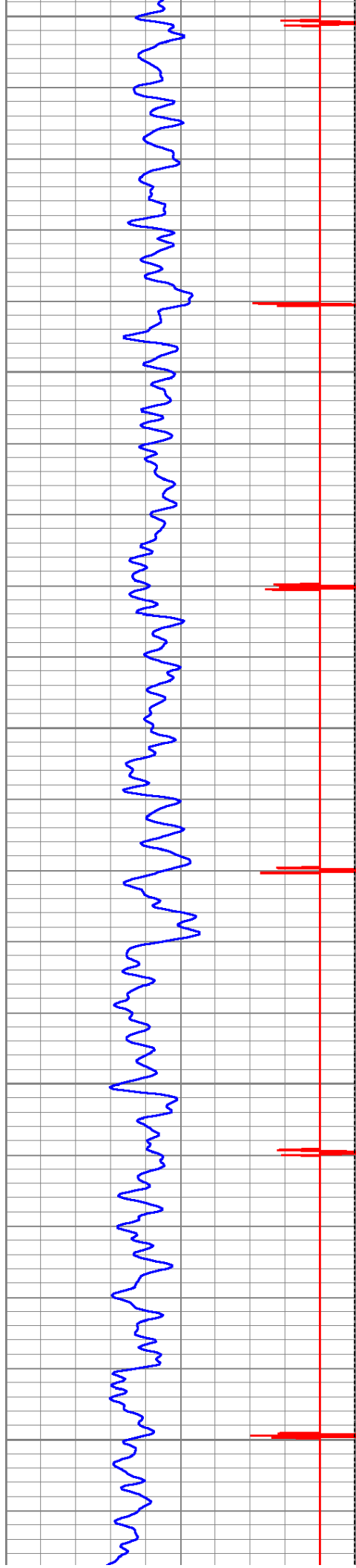
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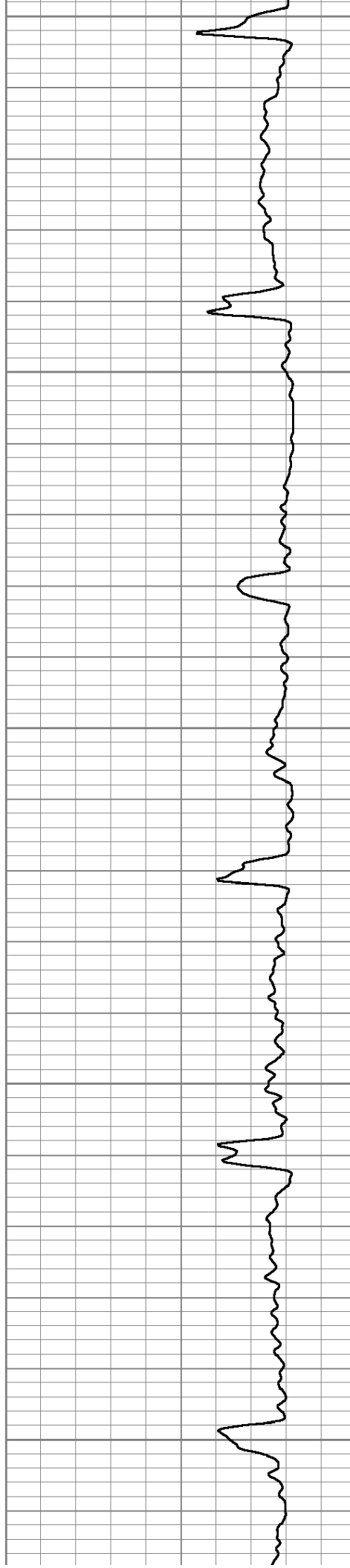
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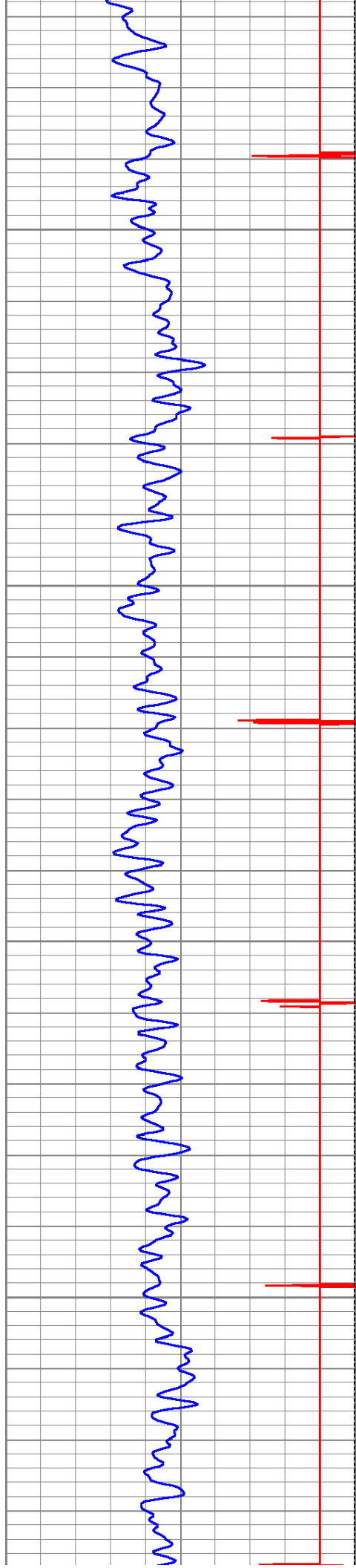
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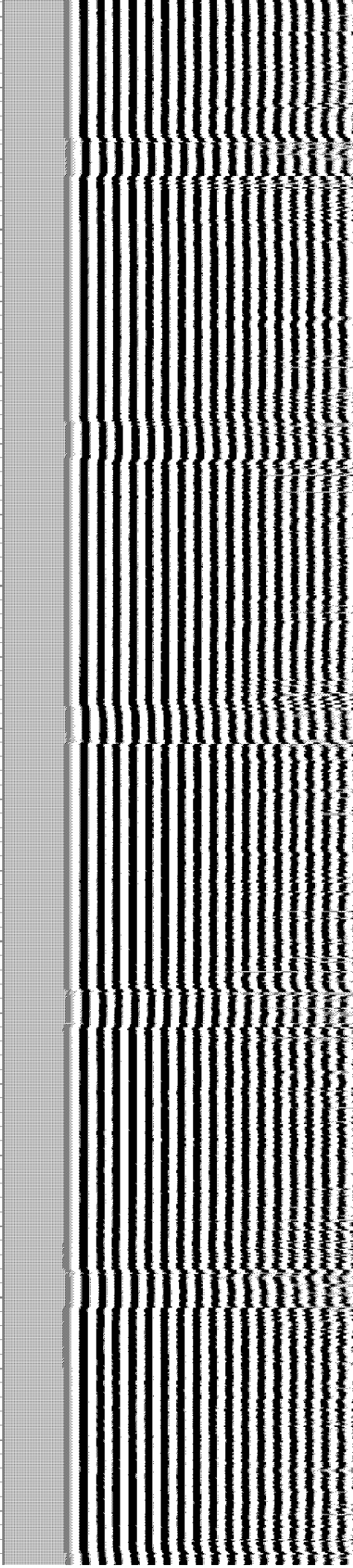
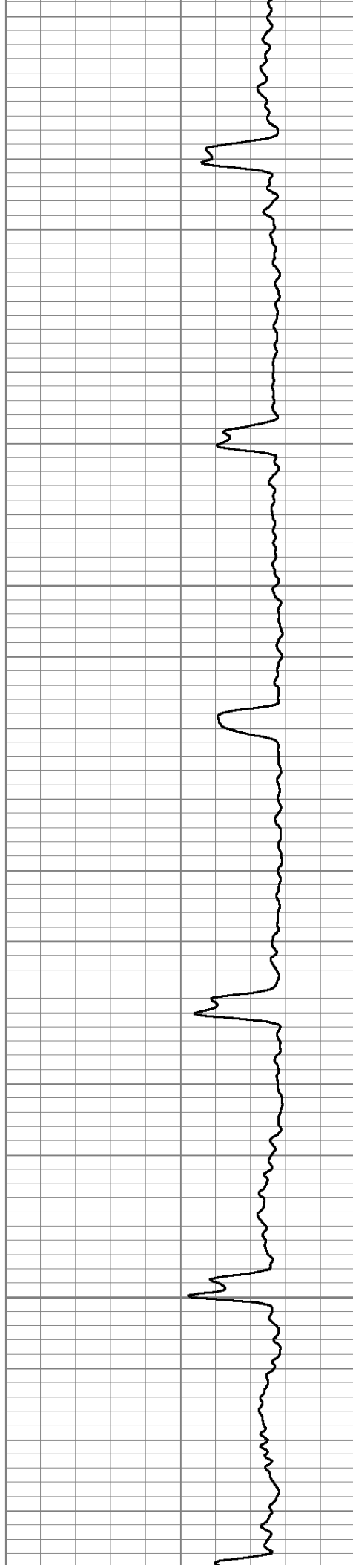


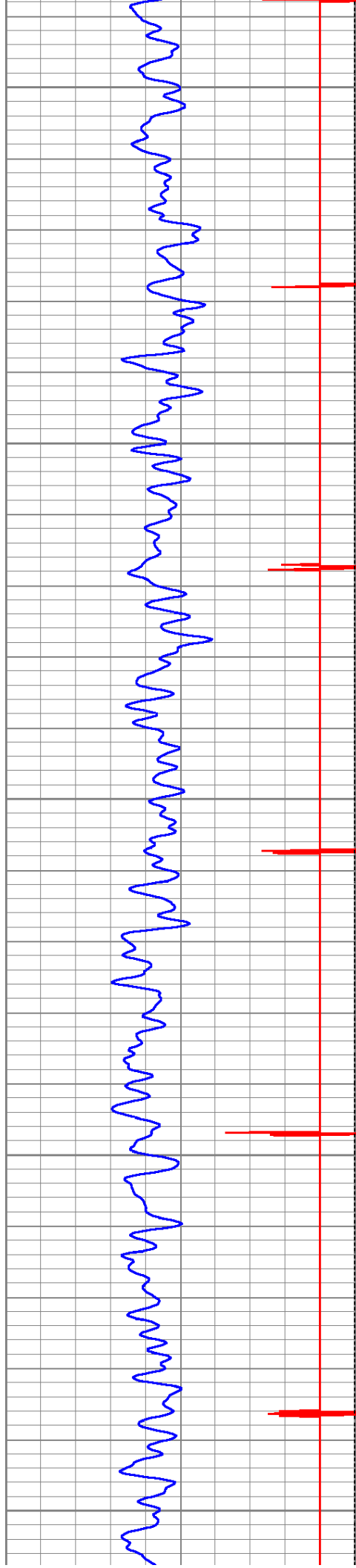
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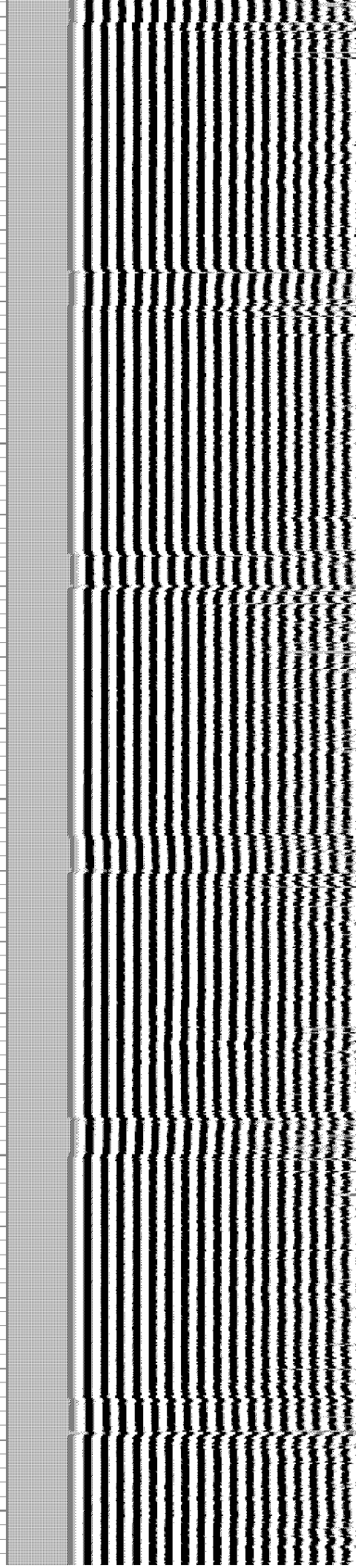
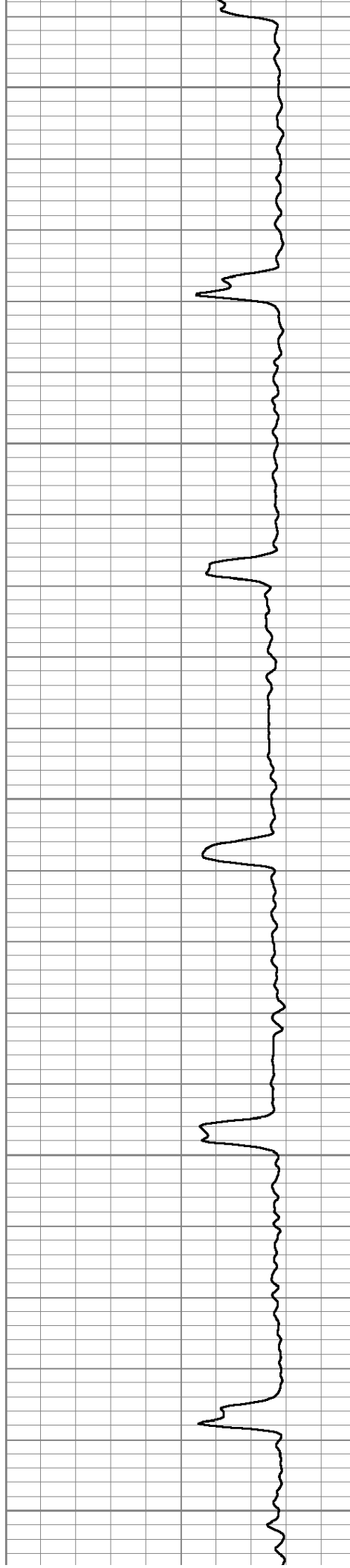
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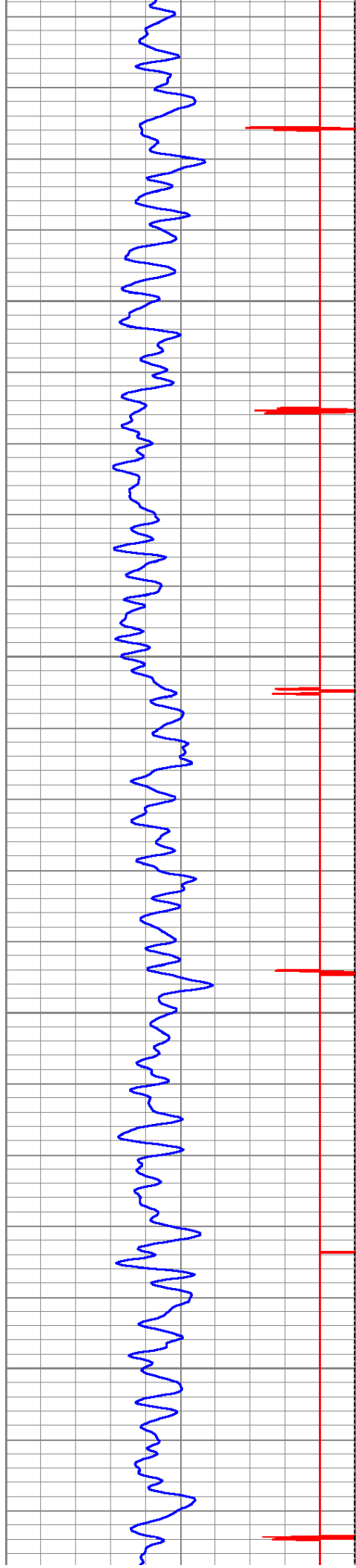
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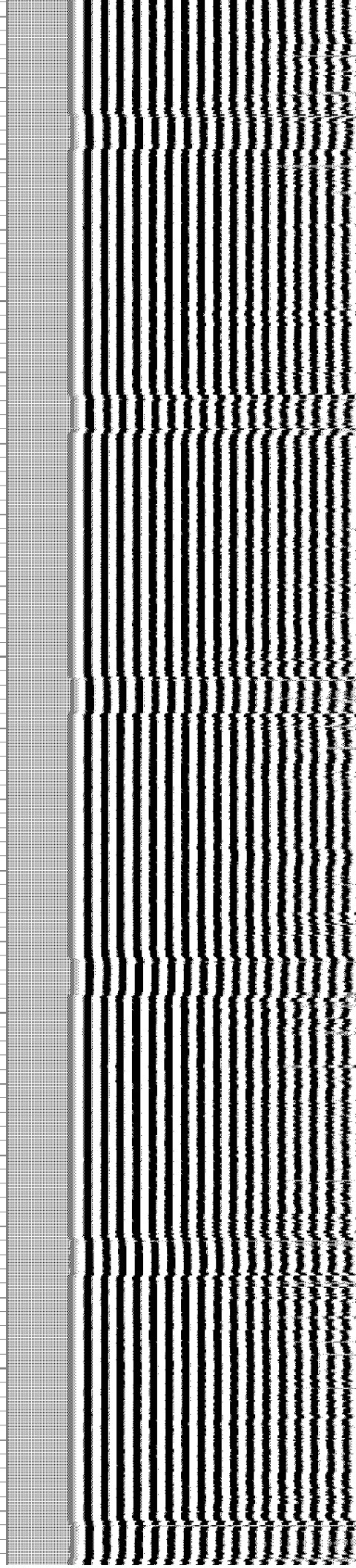
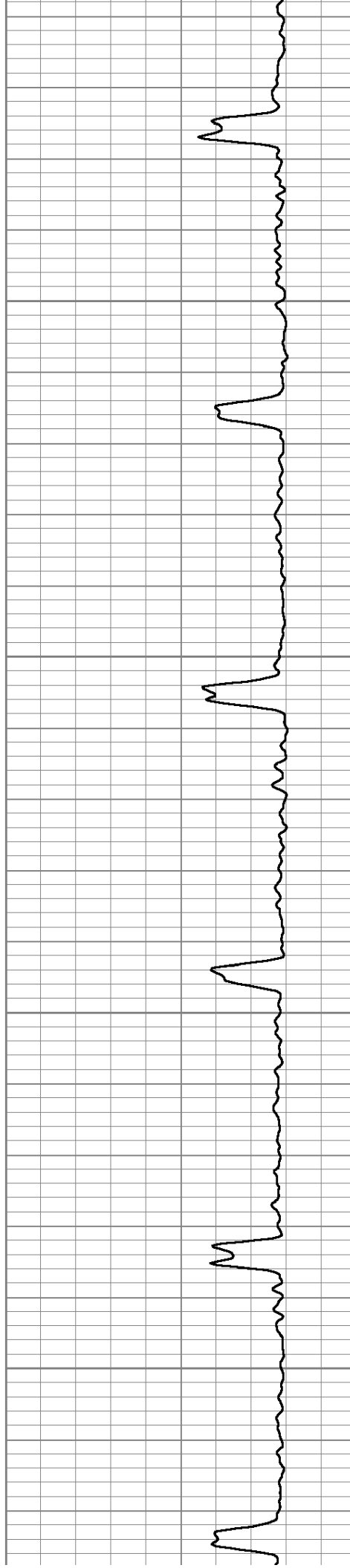


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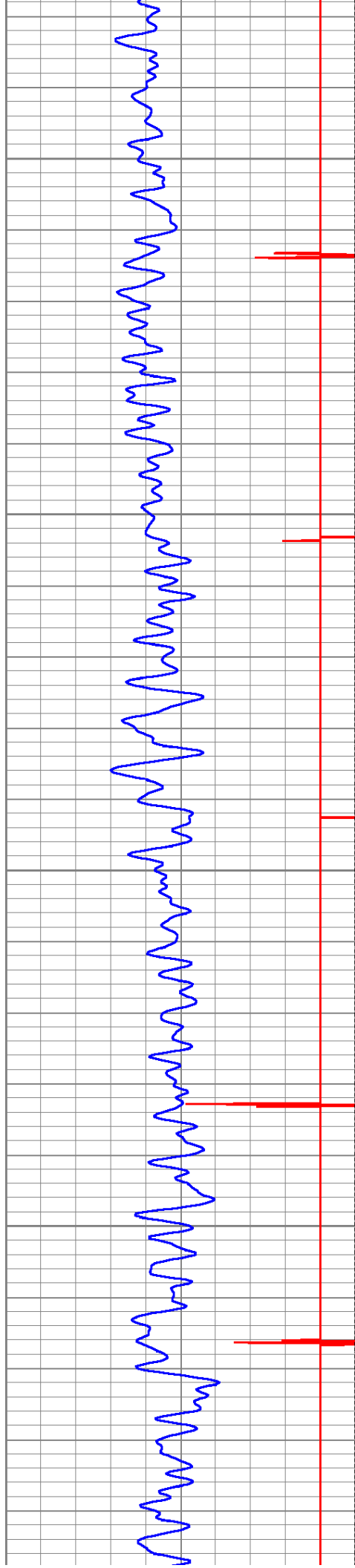
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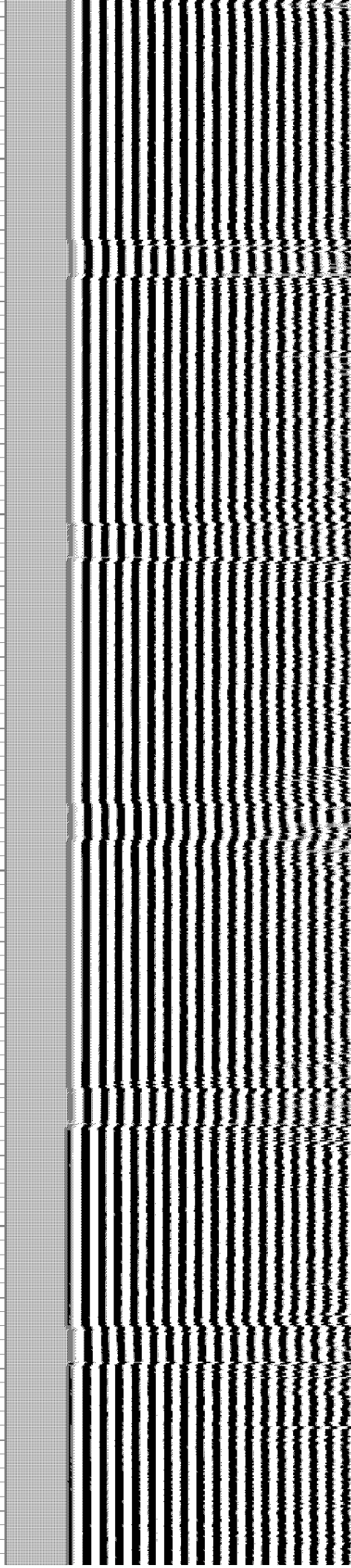
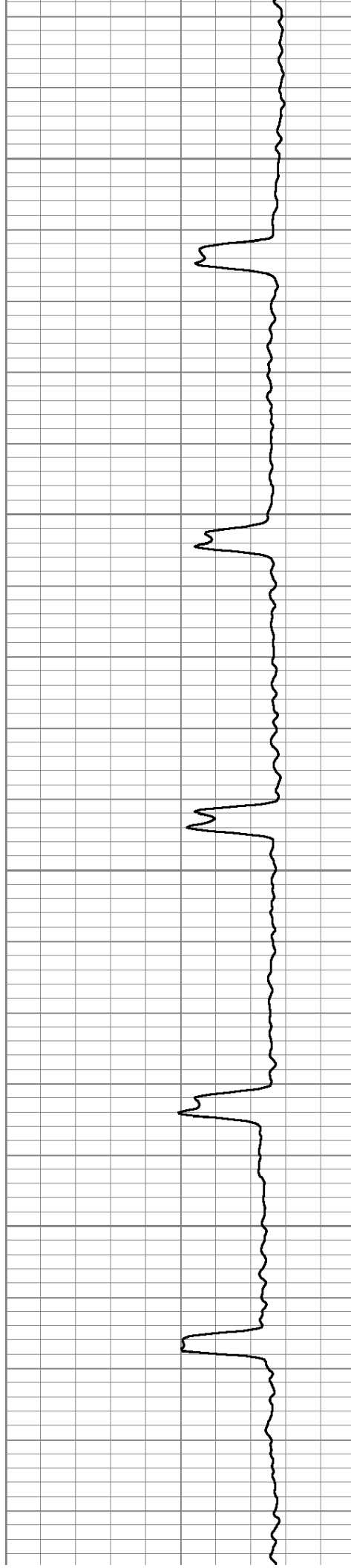


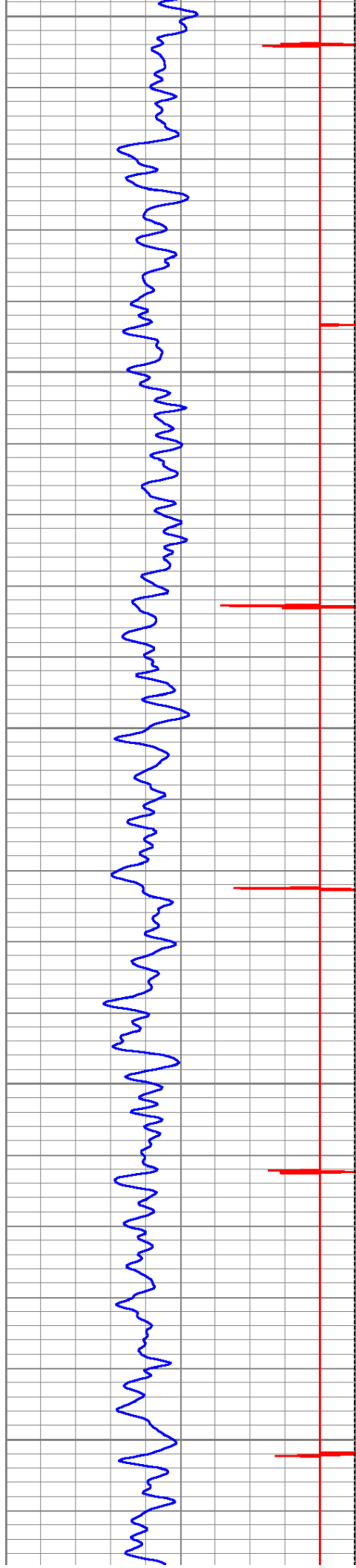
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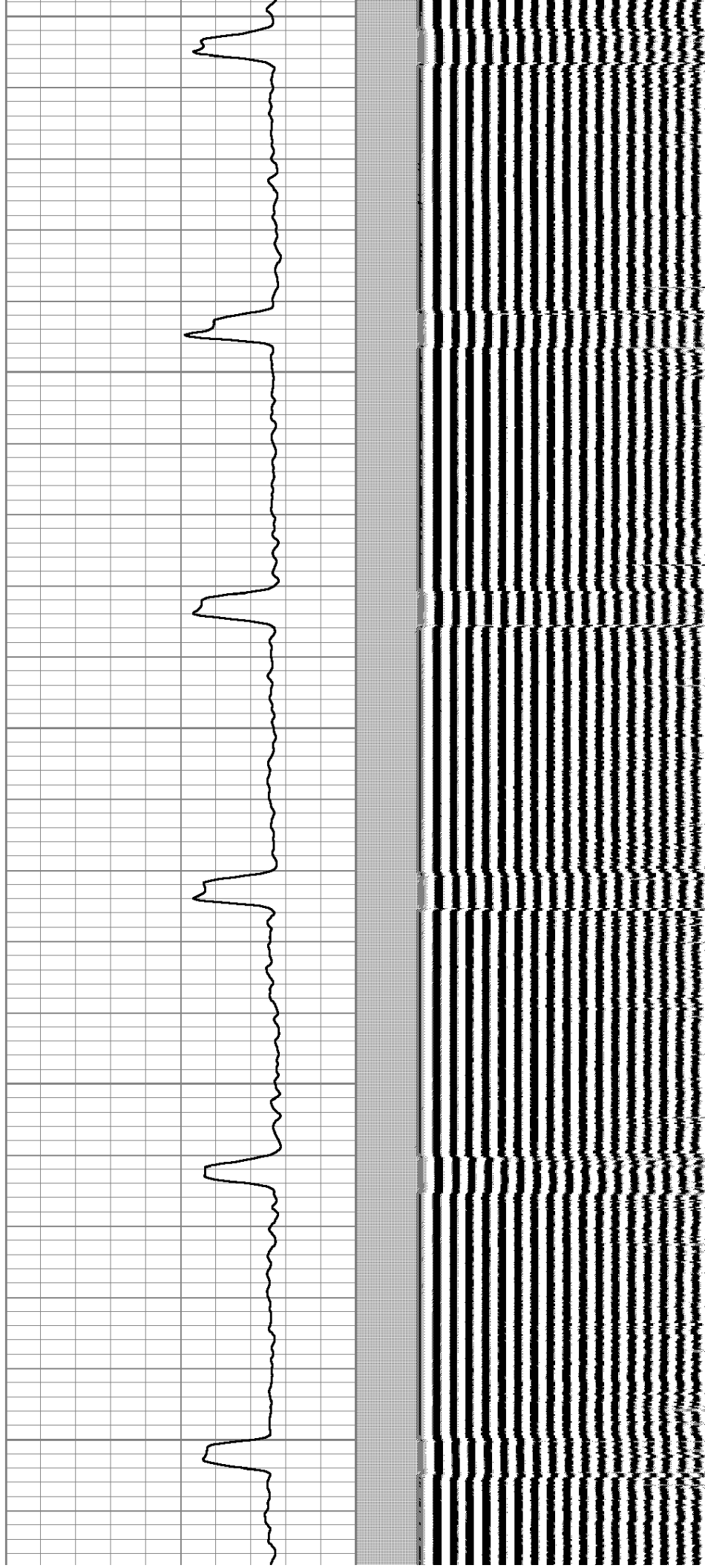
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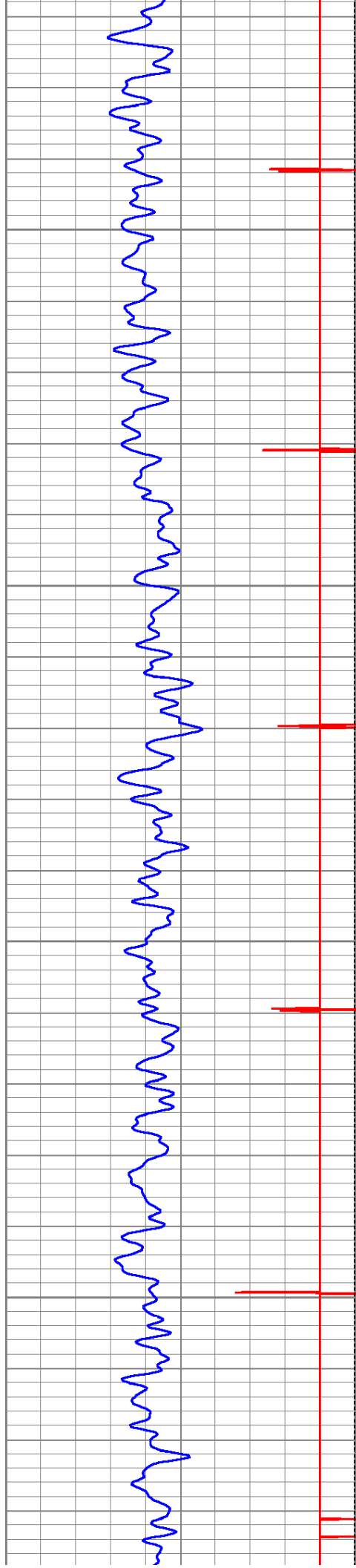
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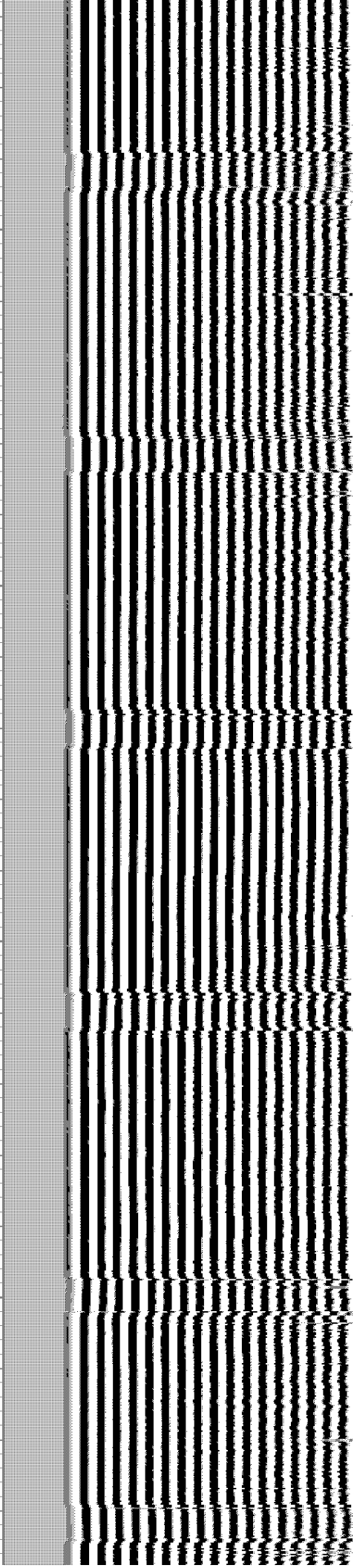
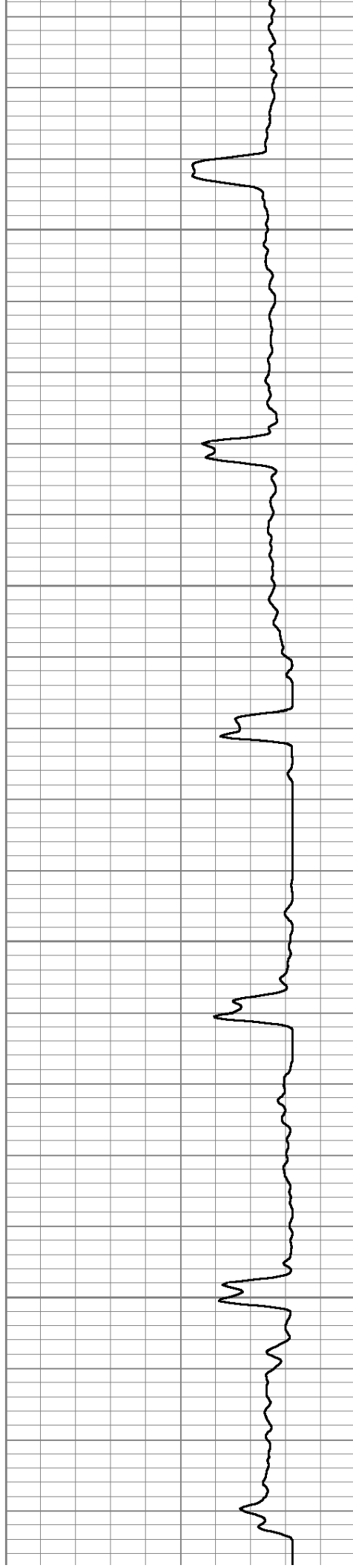


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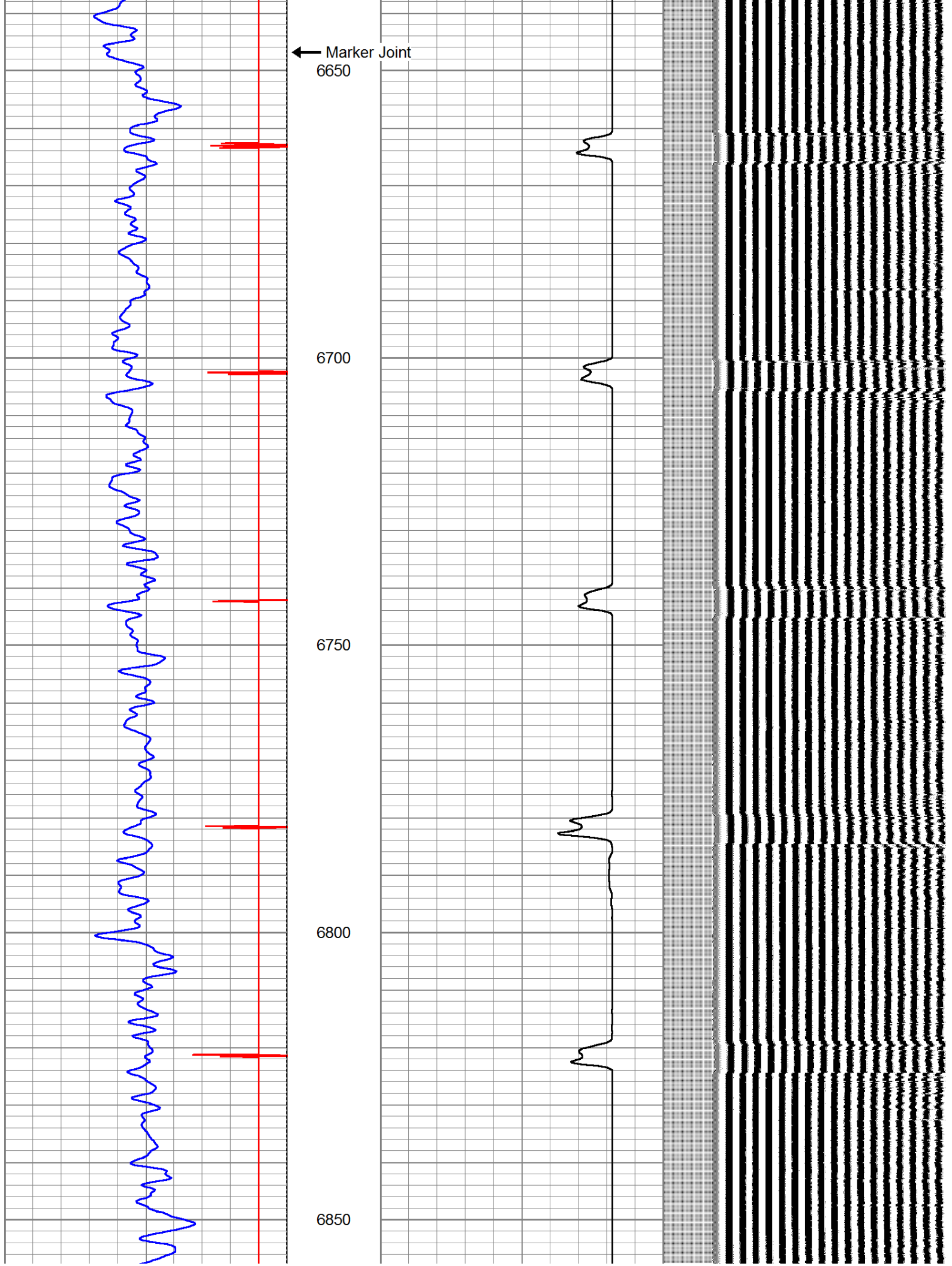
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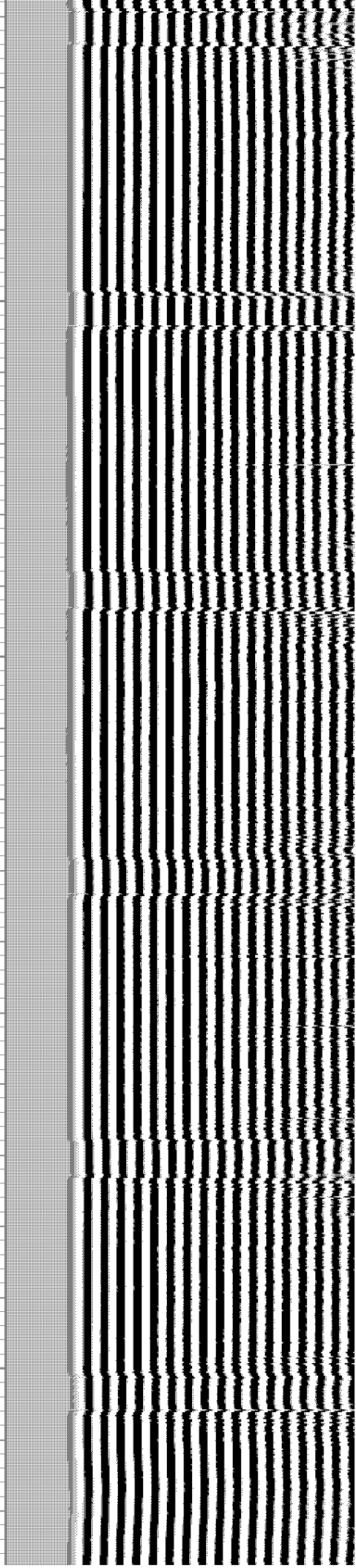
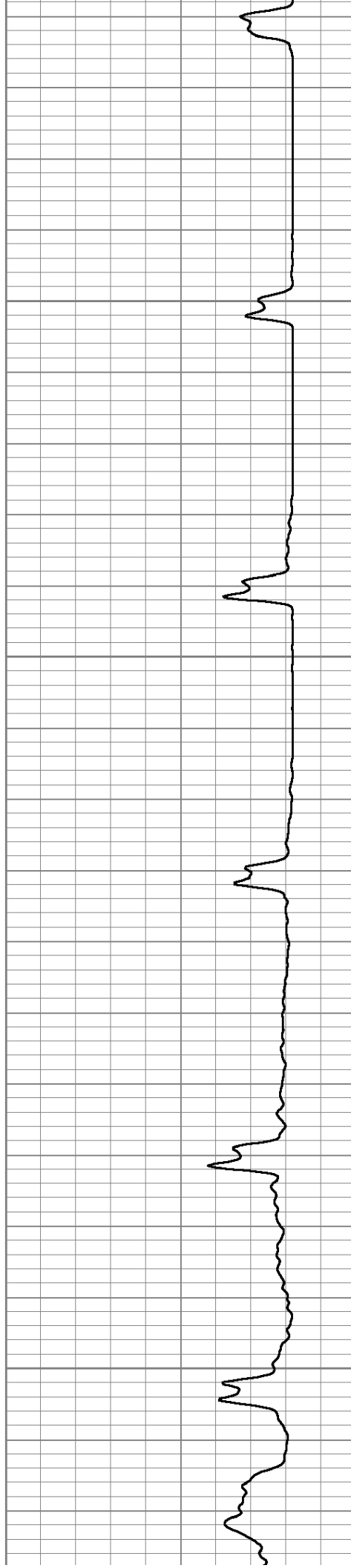


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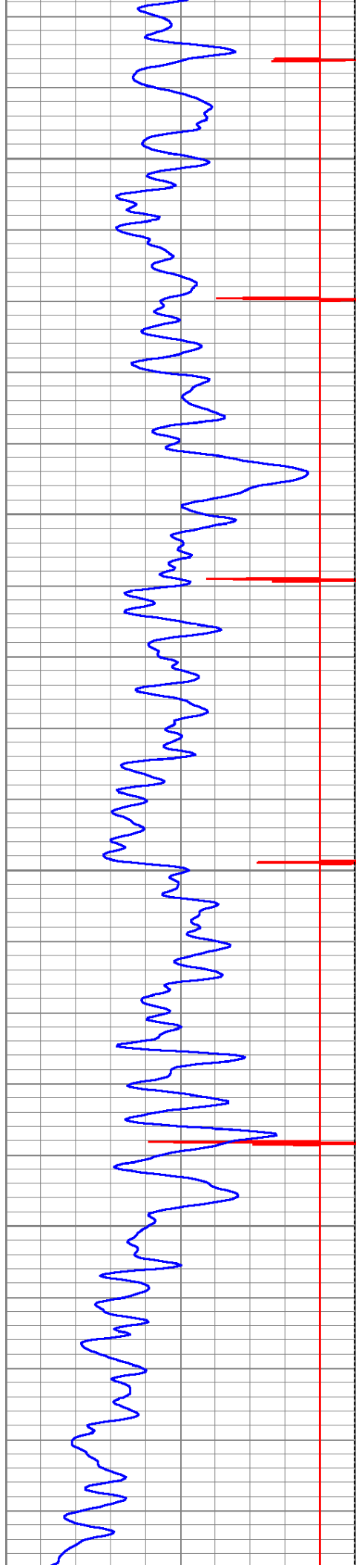
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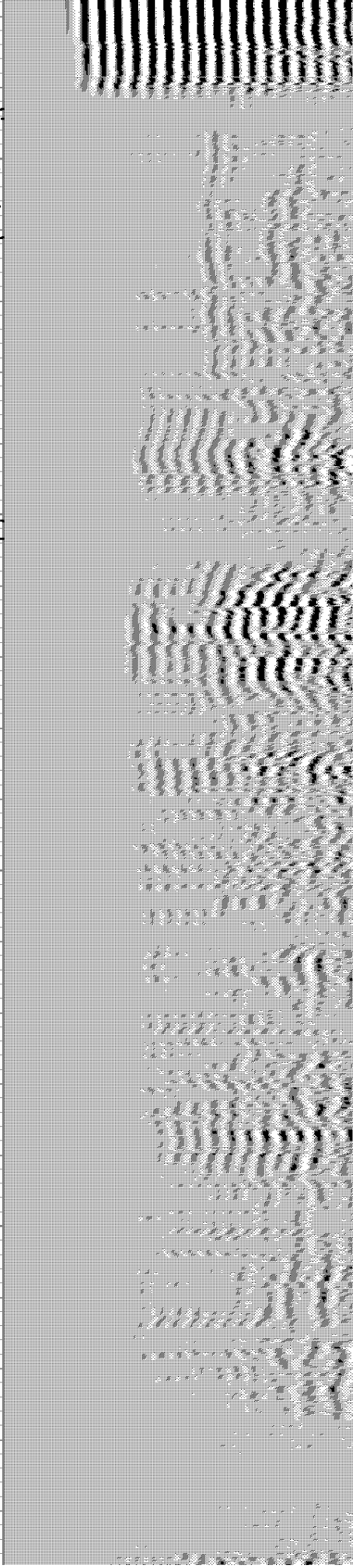
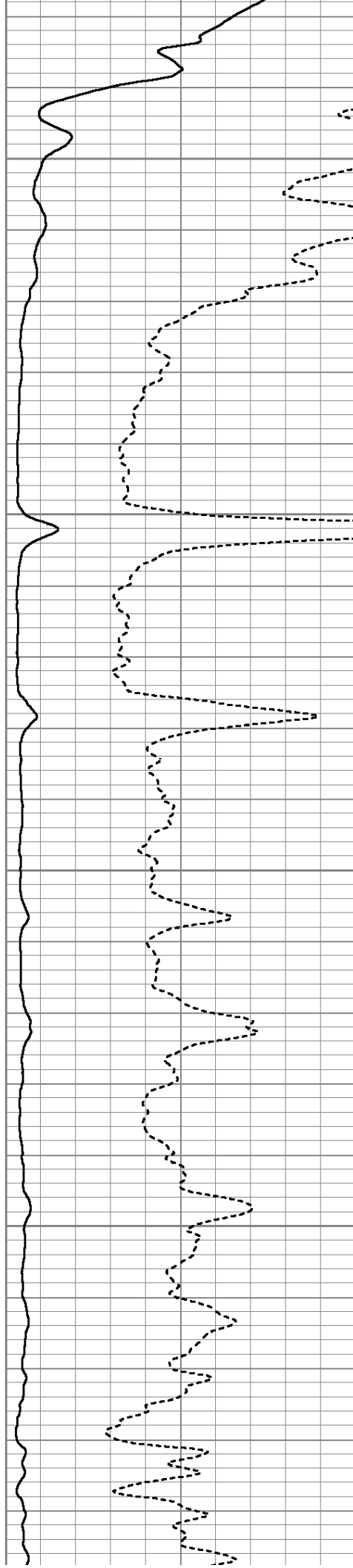


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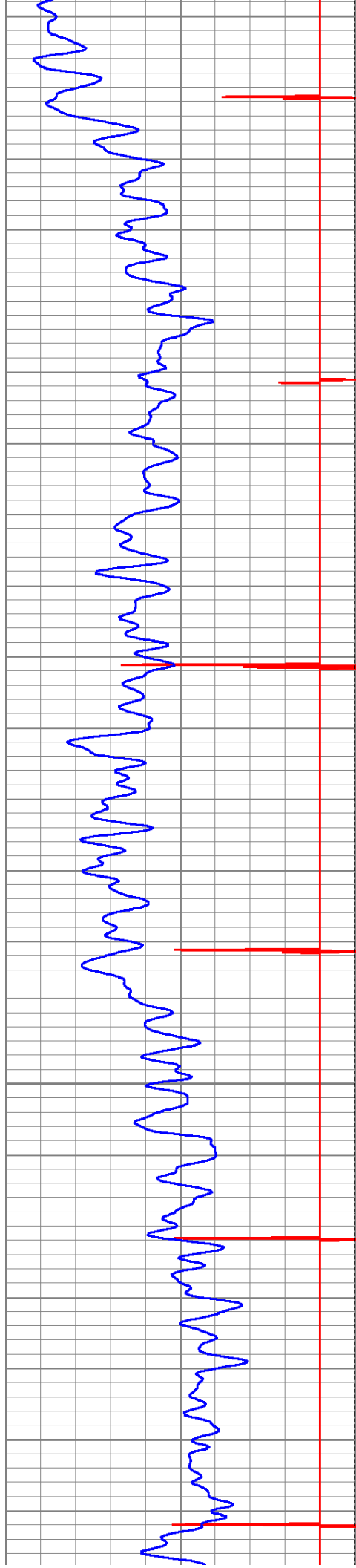
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