



VDL CCL GAMMA-RAY CEMENT BOND LOG

Pioneer Energy Services

Company GREAT WESTERN OIL & GAS LLC
Well FRITZLER 17-42-11
Field BRACEWELL
County WELD State COLORADO

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Well FRITZLER 17-42-11
Field BRACEWELL
County WELD
State COLORADO

Location: SHL 720' FSL & 612' FEL SESE
SEC 17 TWP 6N RGE 66W
BHL2626' FN&17' FWL, SWNW sec. 16twp, 6n.rge, 66w
SEC 16 TWP 6N RGE 66W
Permanent Datum GL Elevation 4771'
Log Measured From KB
Drilling Measured From KB
Other Services
K.B. 4785'
D.F. 4784'
G.L. 4771'

Date 9/29/12

Run Number	ONE
Depth Driller	NA
Depth Logger	7658'
Bottom Logged Interval	7640'
Top Log Interval	40'
Open Hole Size	7 7/8"
Type Fluid	NA
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	NA
Time Logger on Bottom	NA
Equipment Number	9605
Location	FT MORGAN
Recorded By	TODD YOUNG
Witnessed By	SHAWN ARMSTRONG

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
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

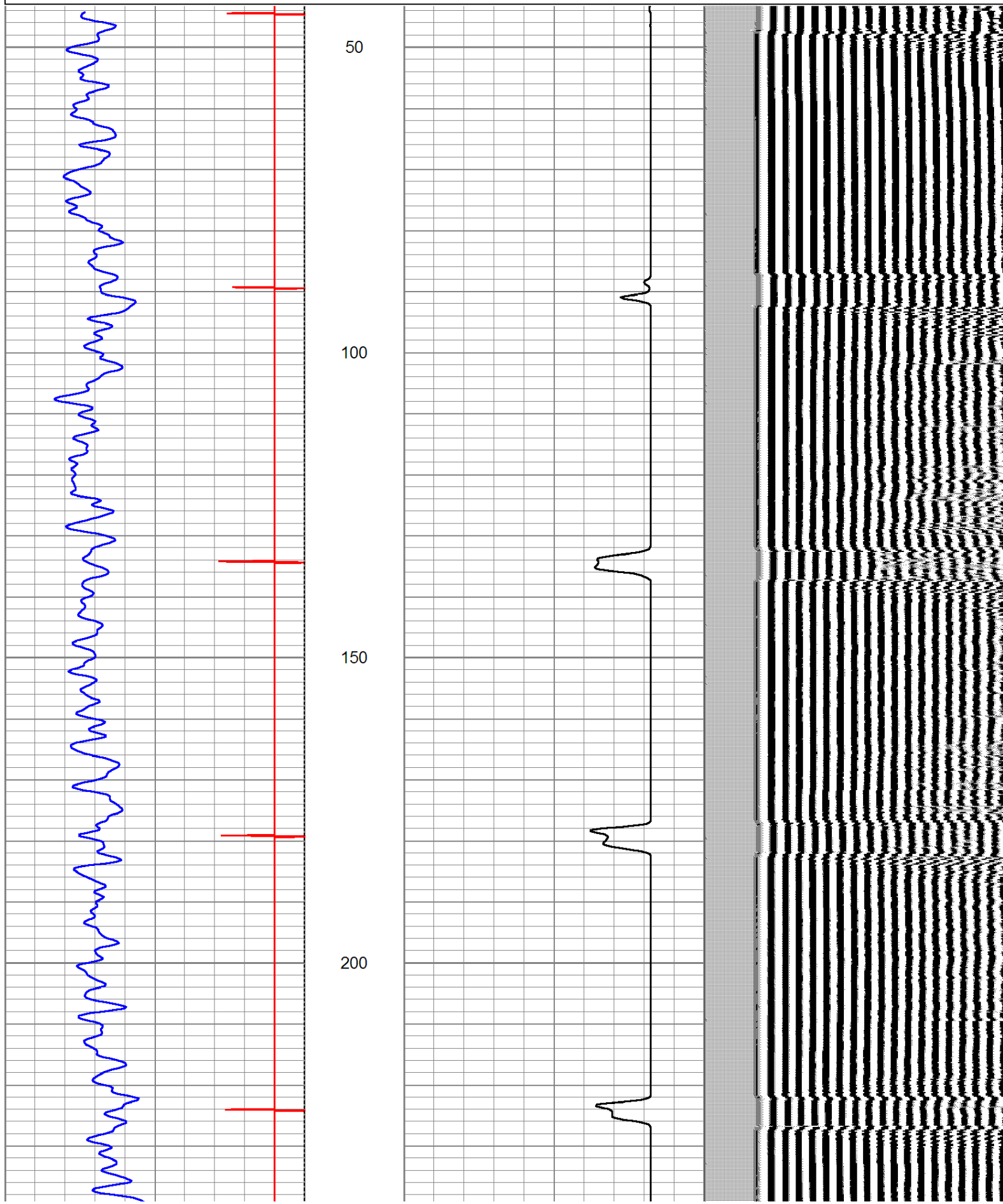
SO# 203113

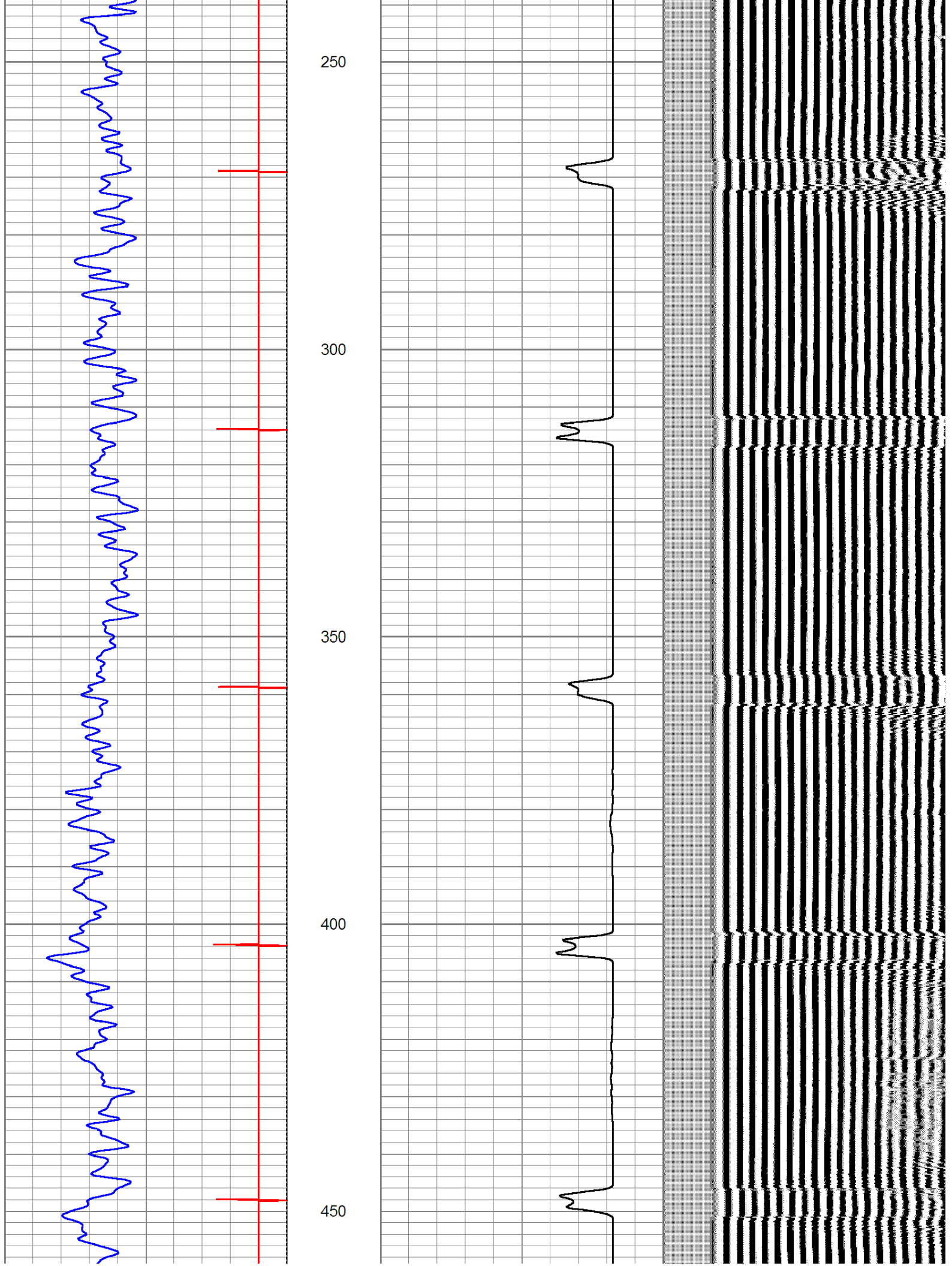
THANK YOU FOR USING
PIONEER ENERGY SERVICES

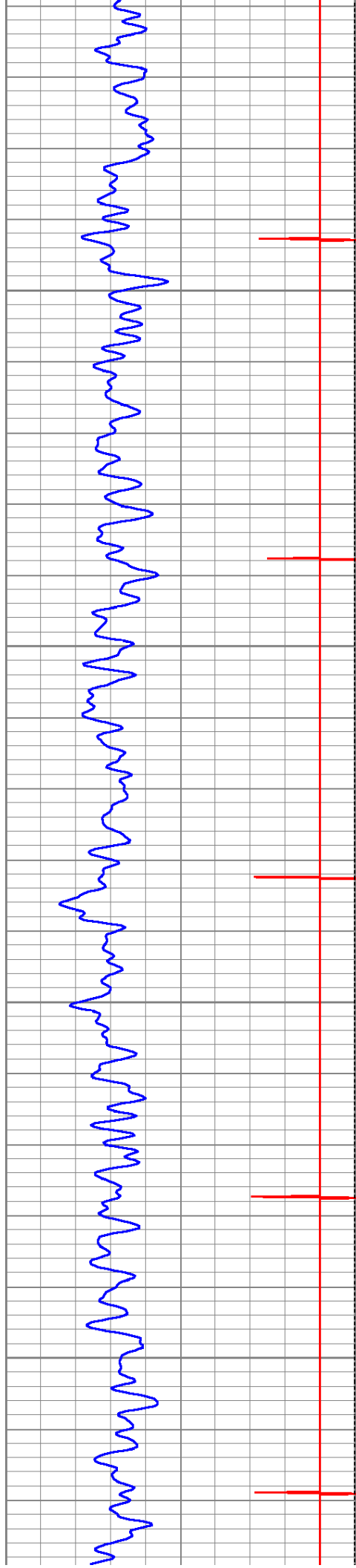
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31		CCL-titan01 (01t)	1.92	2.75	

			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3	10.92					
WVF5	9.92		CBL-Probe (050215) 2.75 digital probe	8.75	2.75	106.50
			SDSCENT Centralizer for testing	3.00	3.25	20.00
GR	1.13		GR-probe 2.75 (51013)	3.67	2.75	100.00
Dataset: fritzler17-42-11.db: field/well/run1/pass4 Total Length: 20.33 ft Total Weight: 246.50 lb O.D. 3.25 in						

9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0 (lb)2000	0	Amplitude (mV)	100			





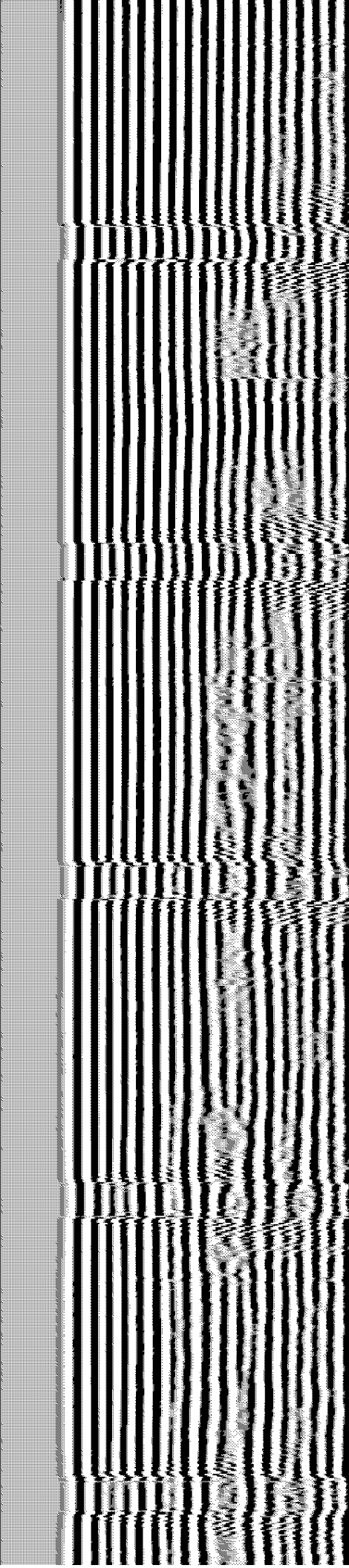
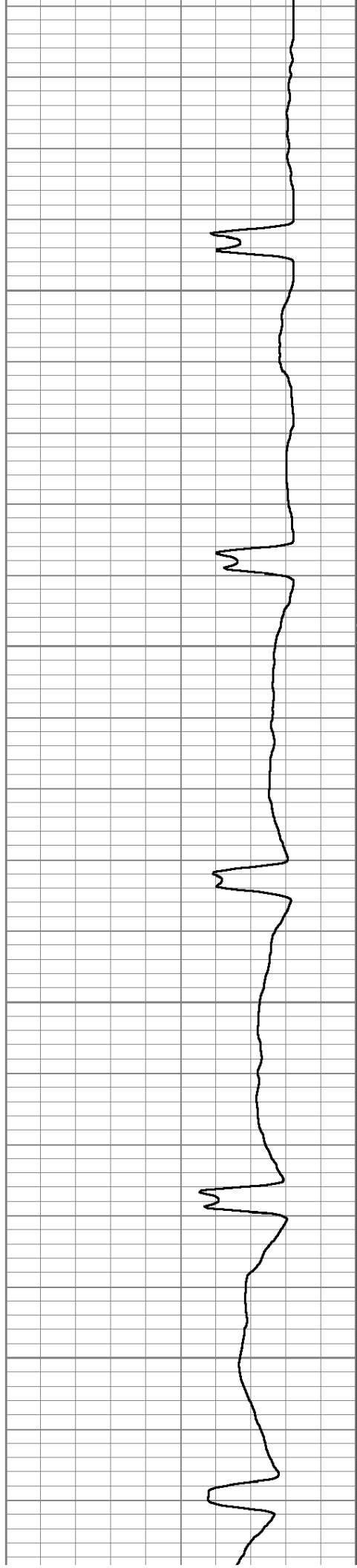


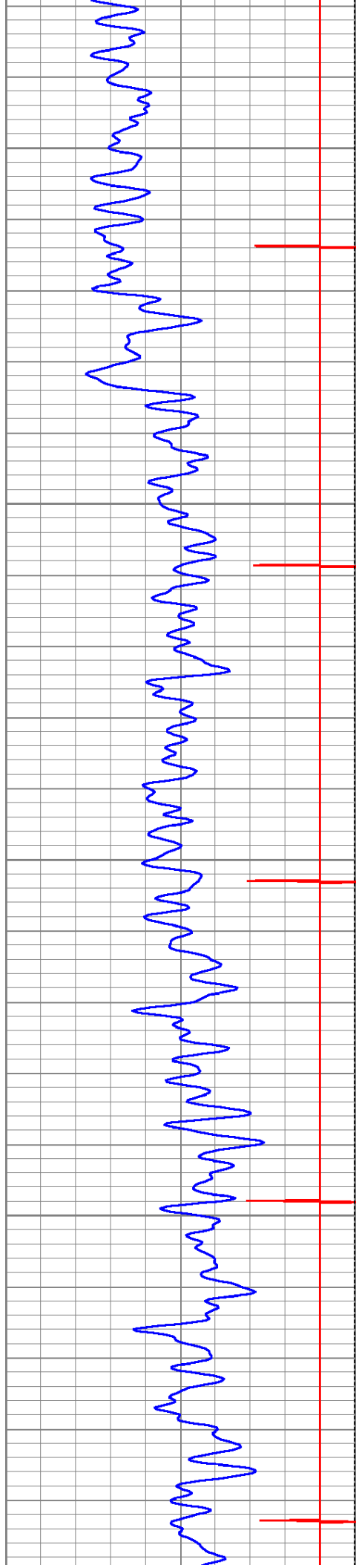
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550

600

650



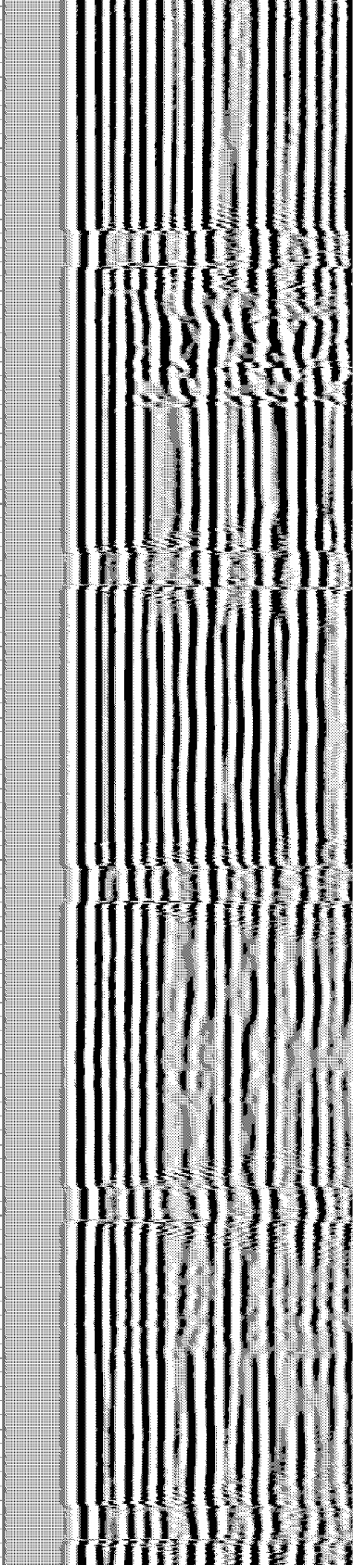
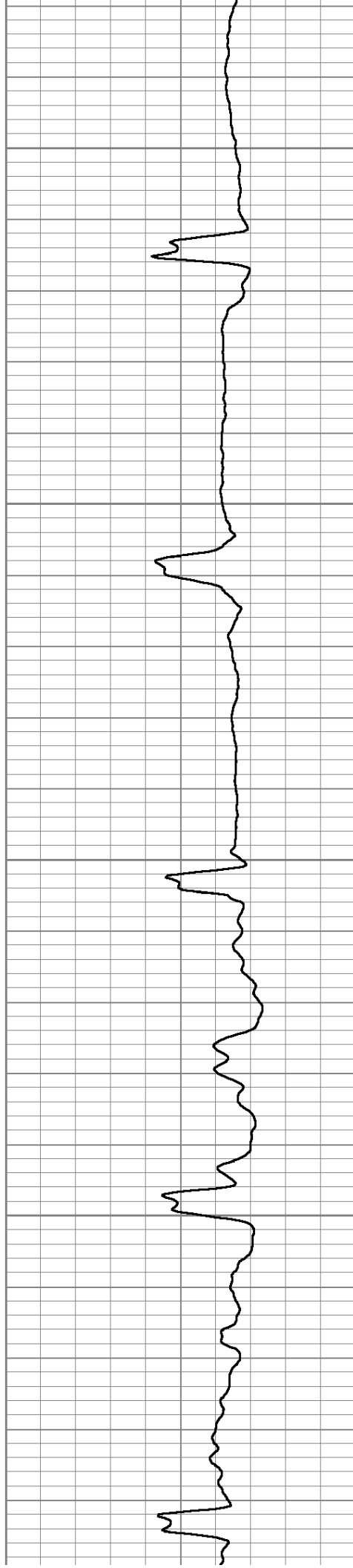


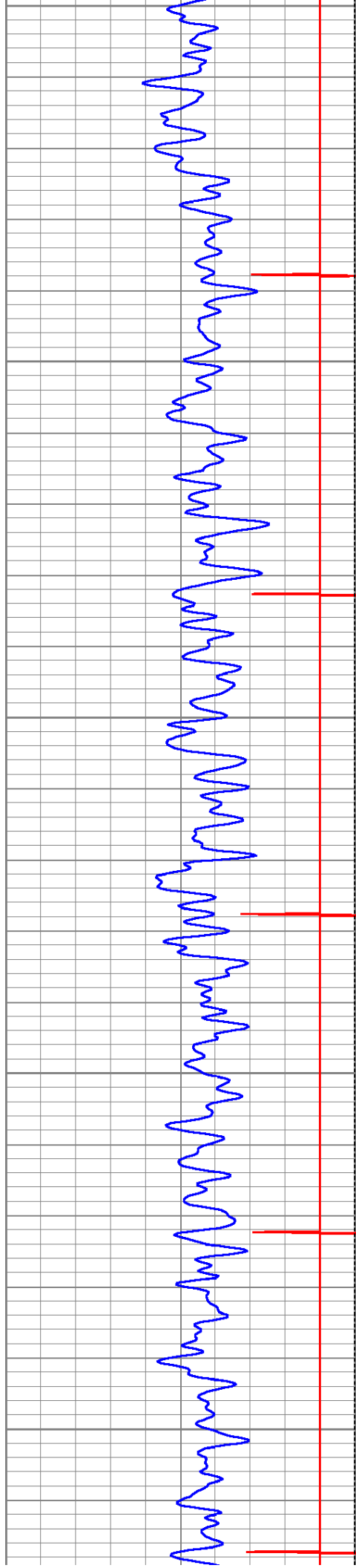
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750

800

850





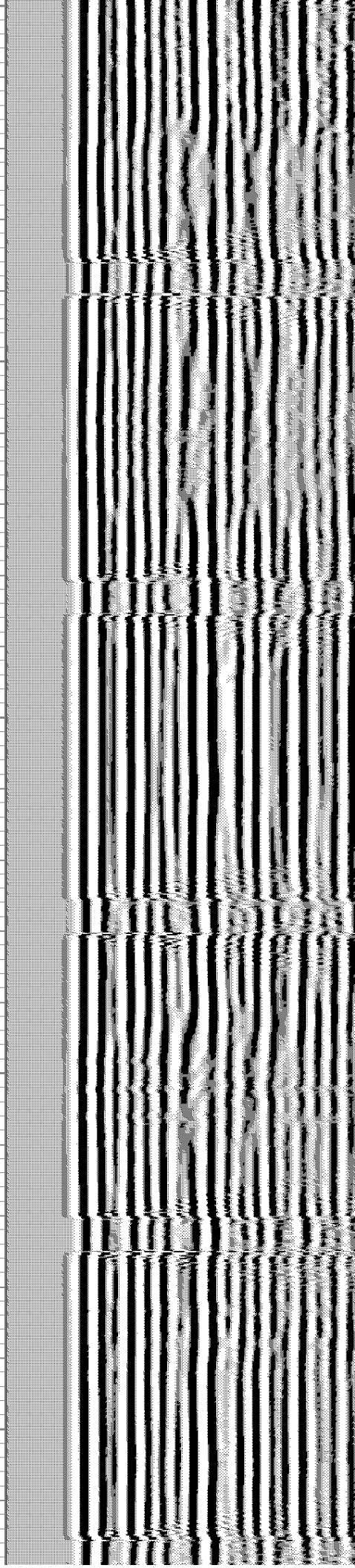
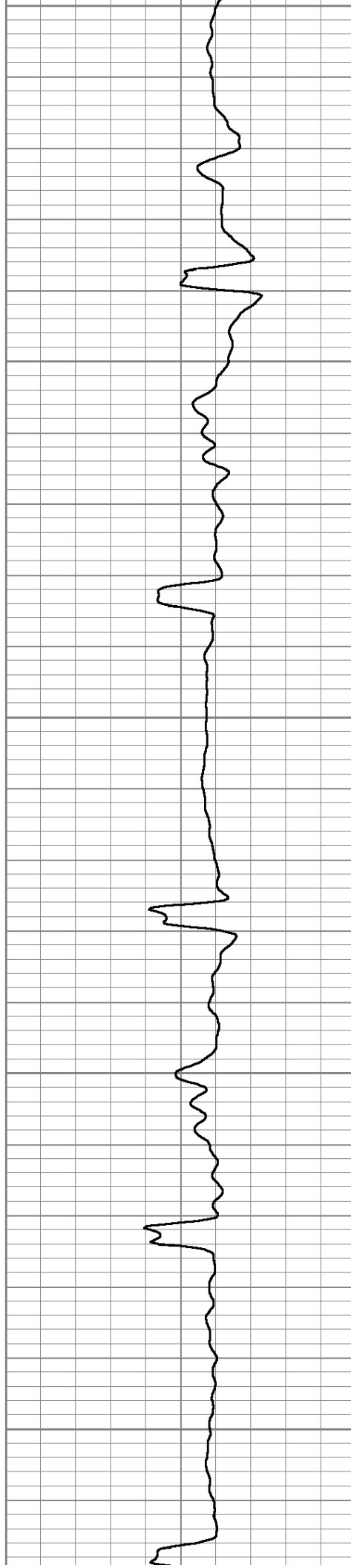
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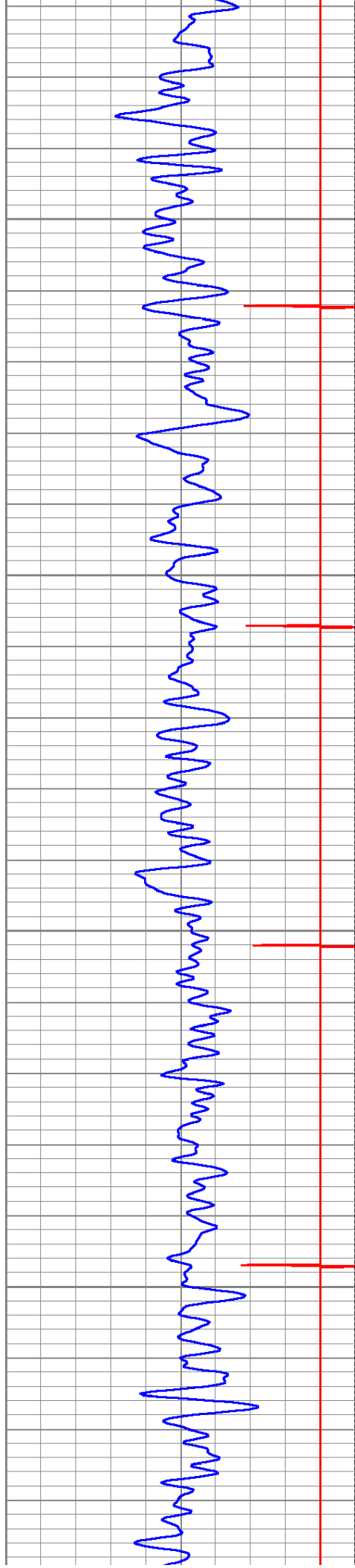
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1000

1050

1100



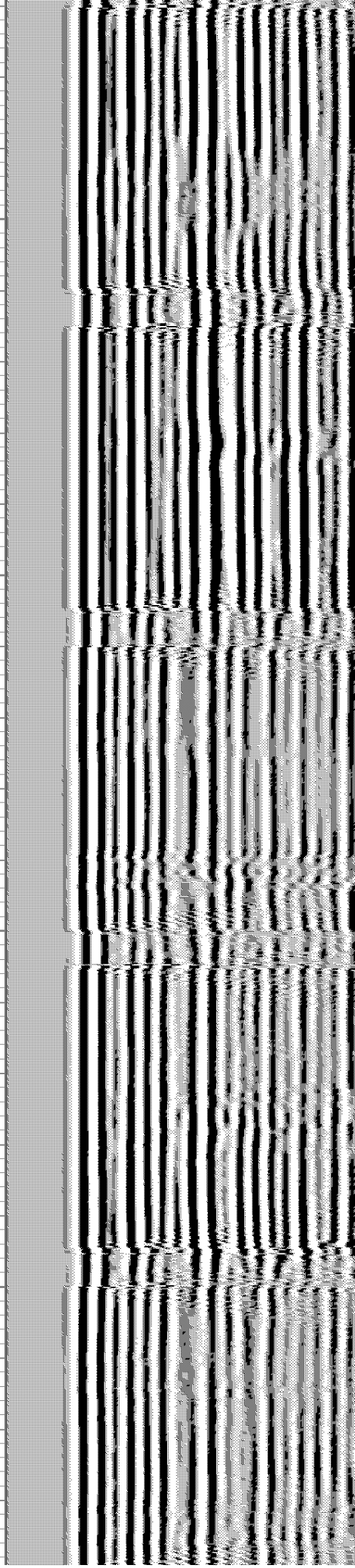
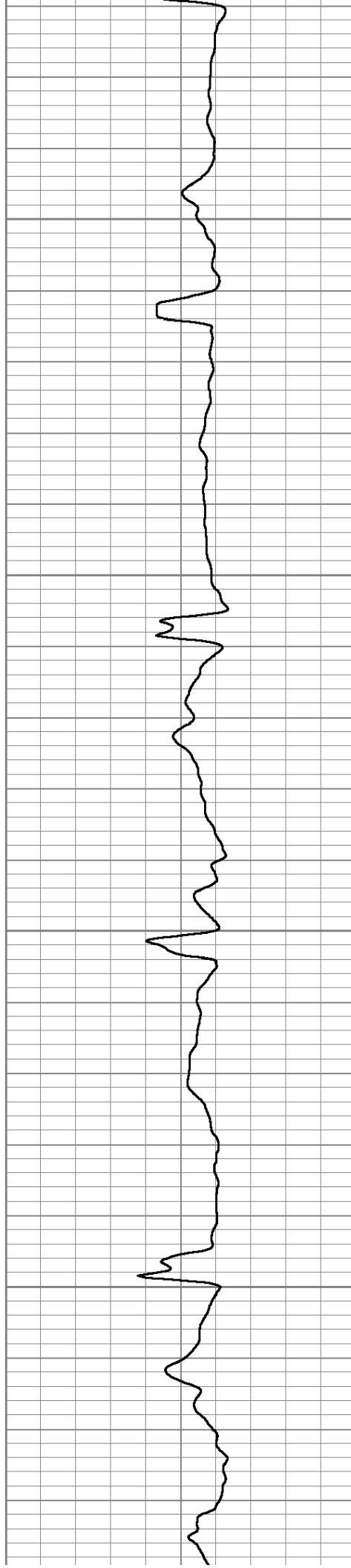


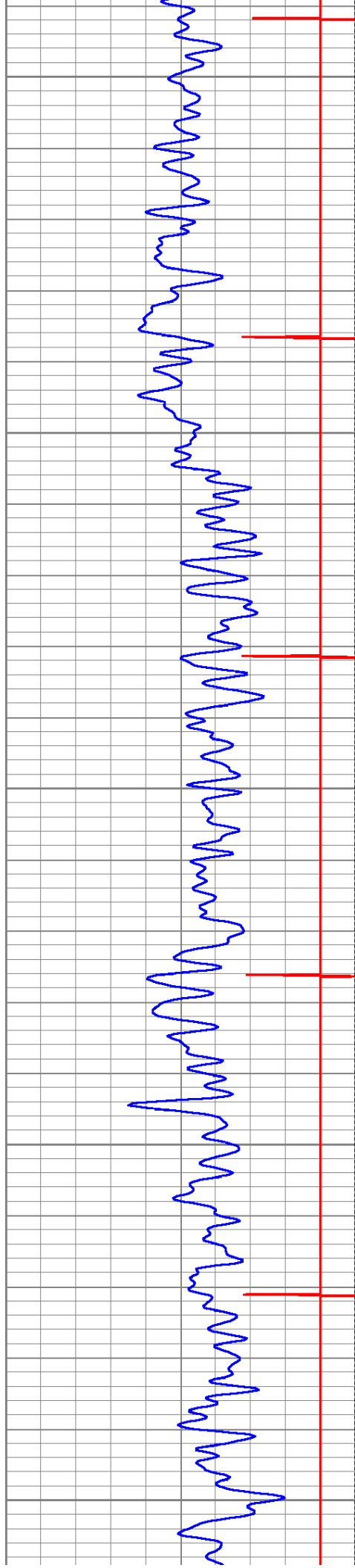
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1200

1250

1300





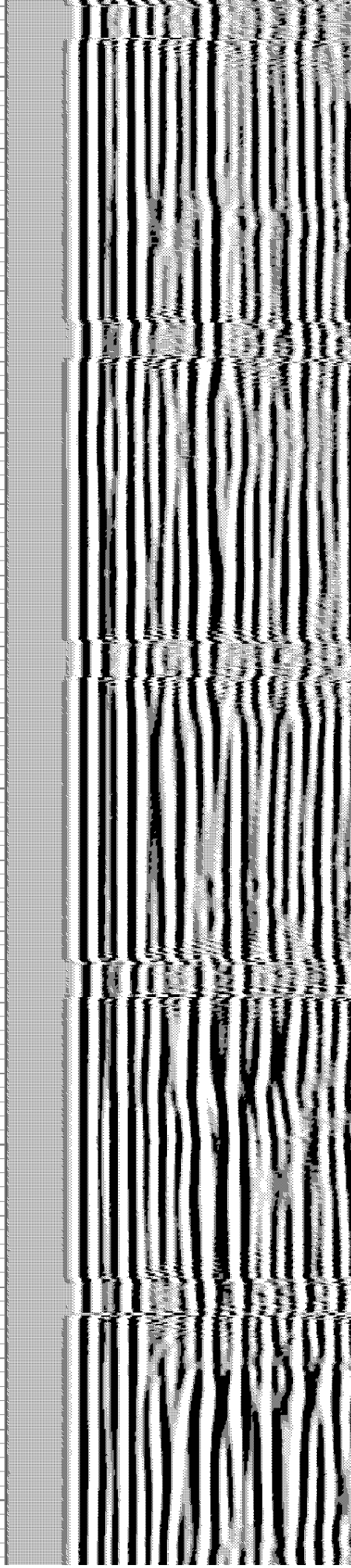
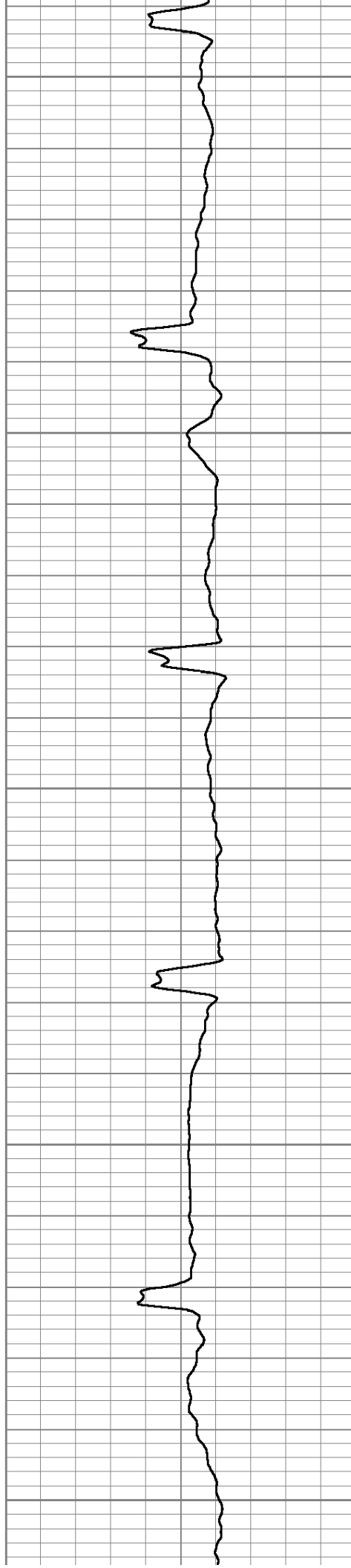
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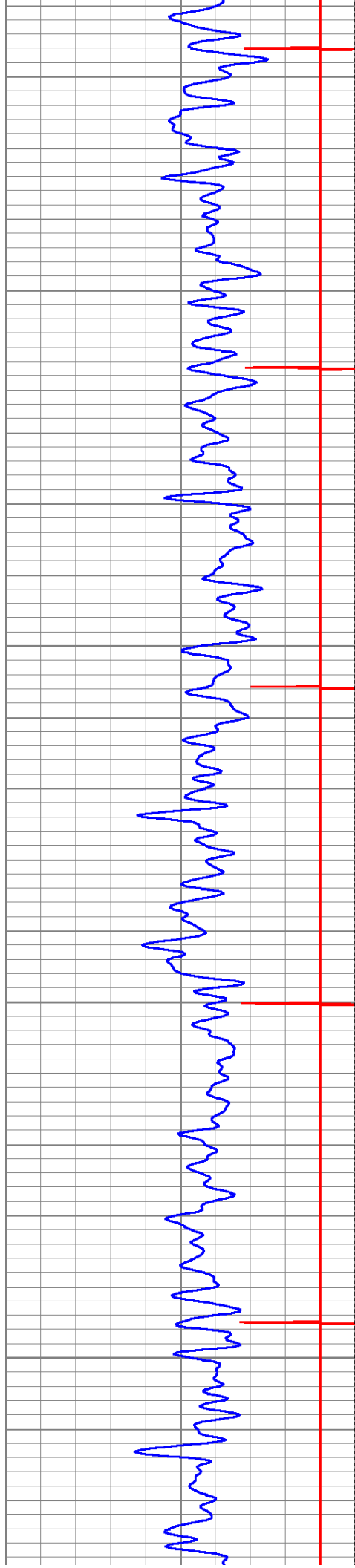
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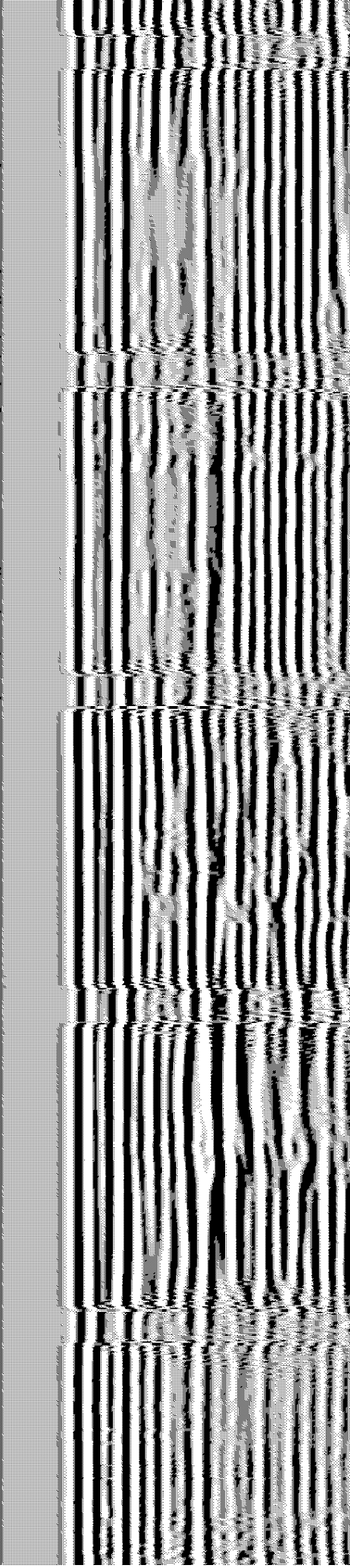
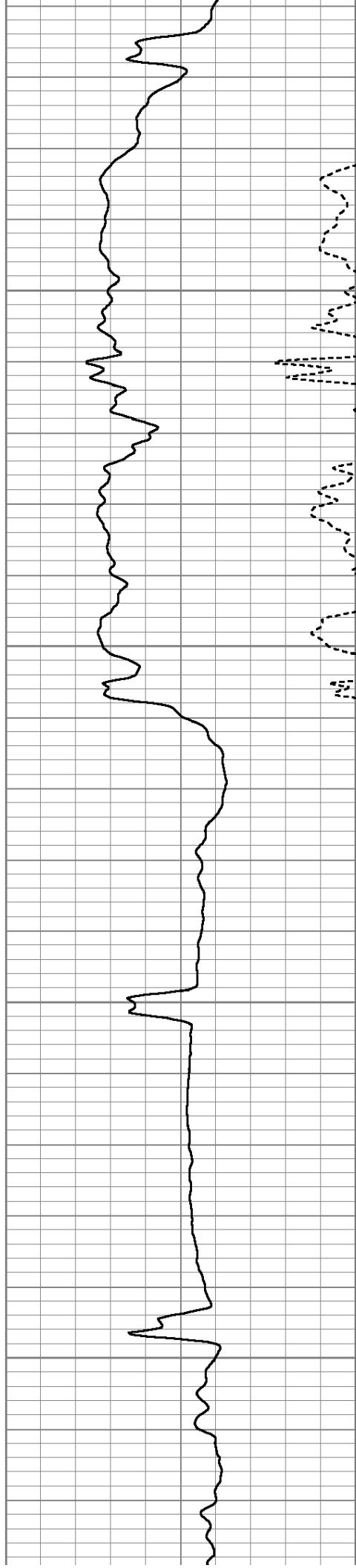


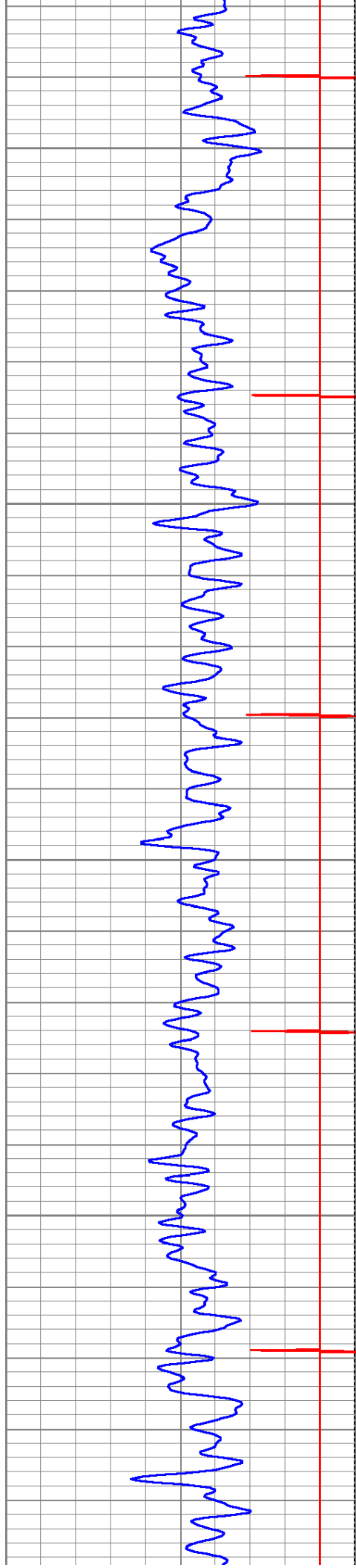
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1750



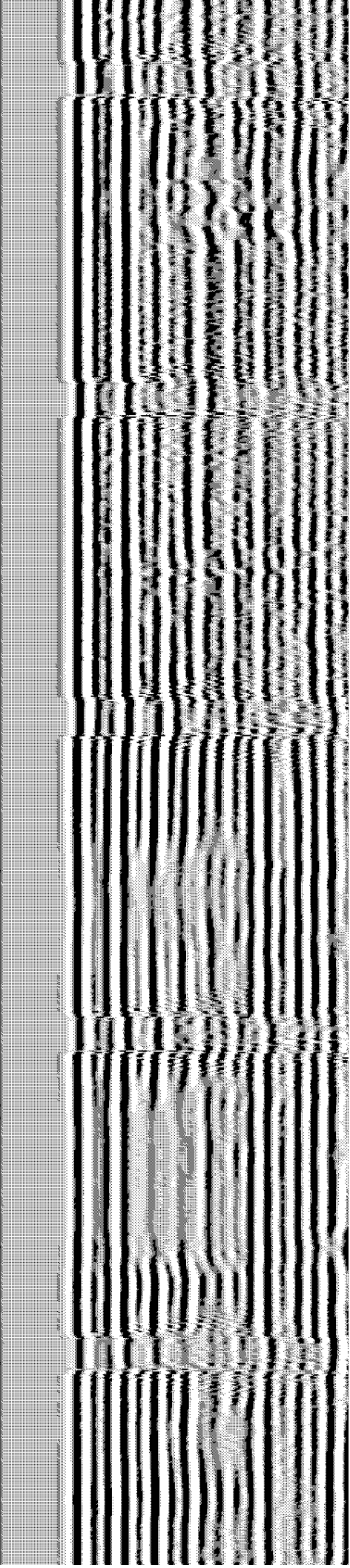
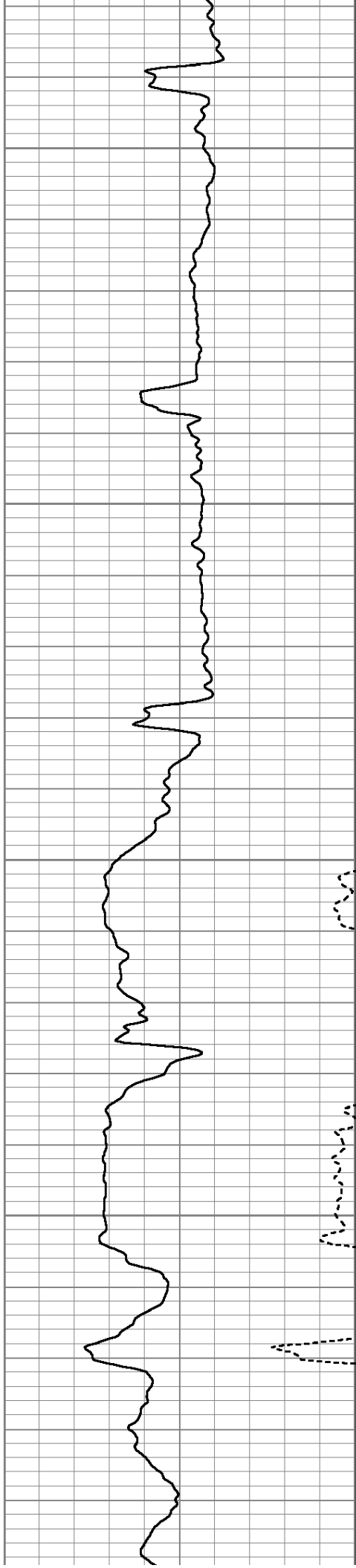


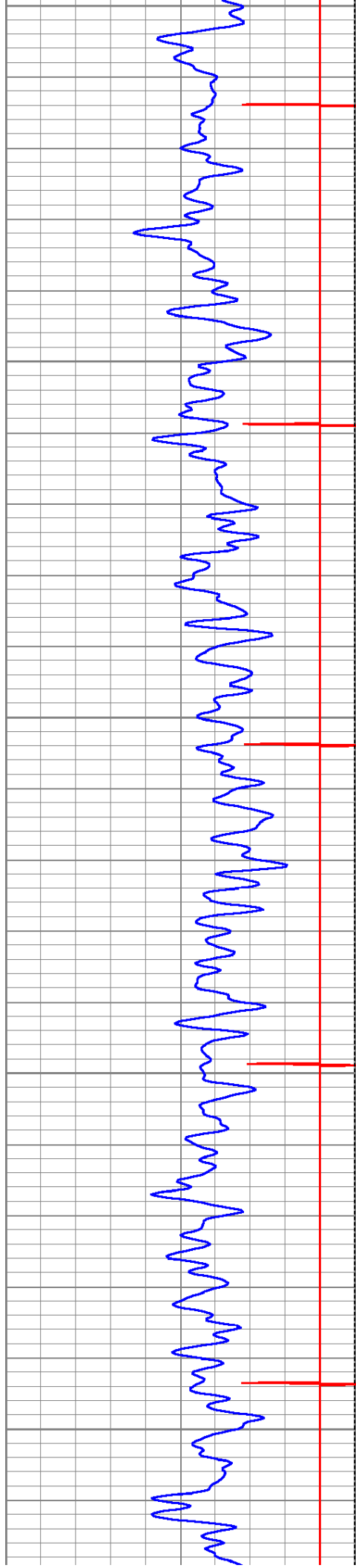
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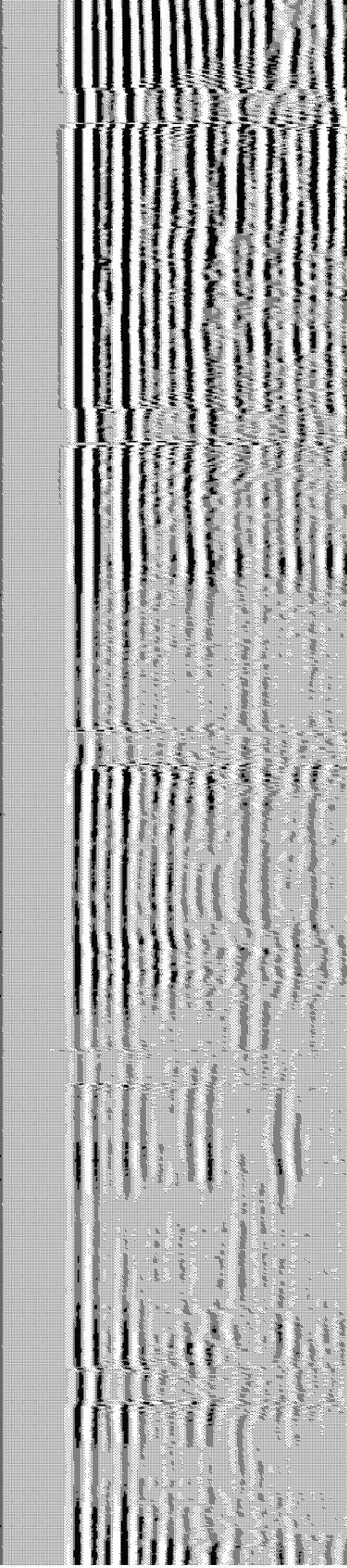
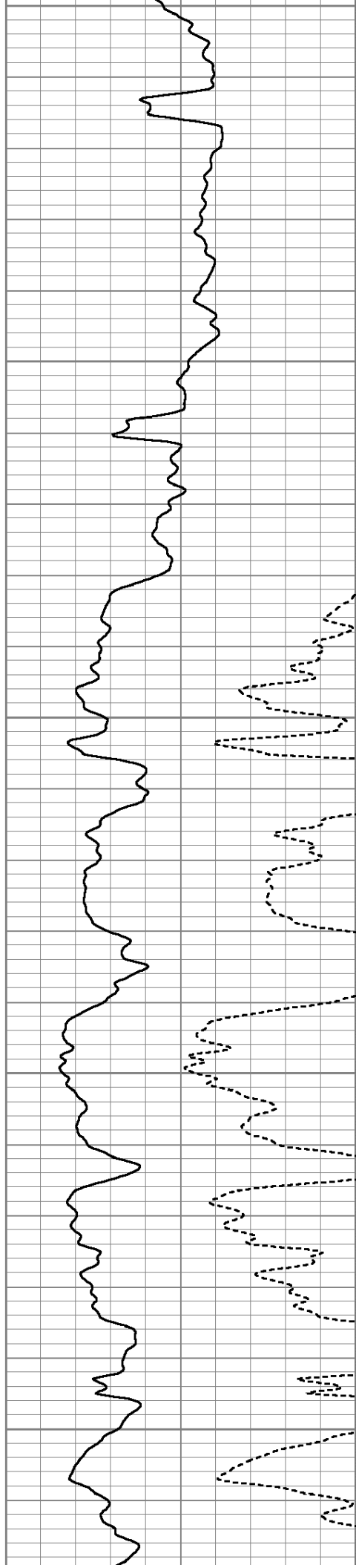
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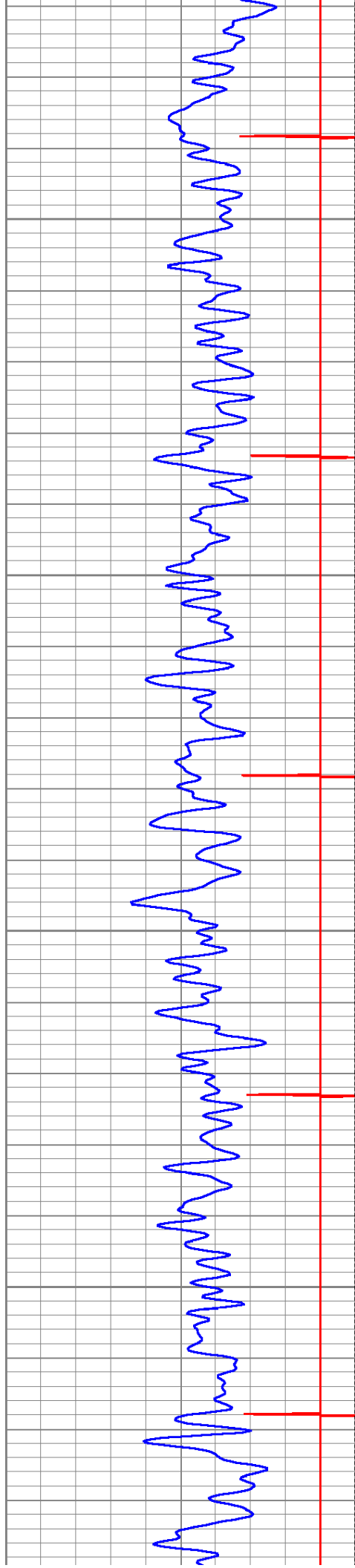
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2000
2050
2100
2150
2200



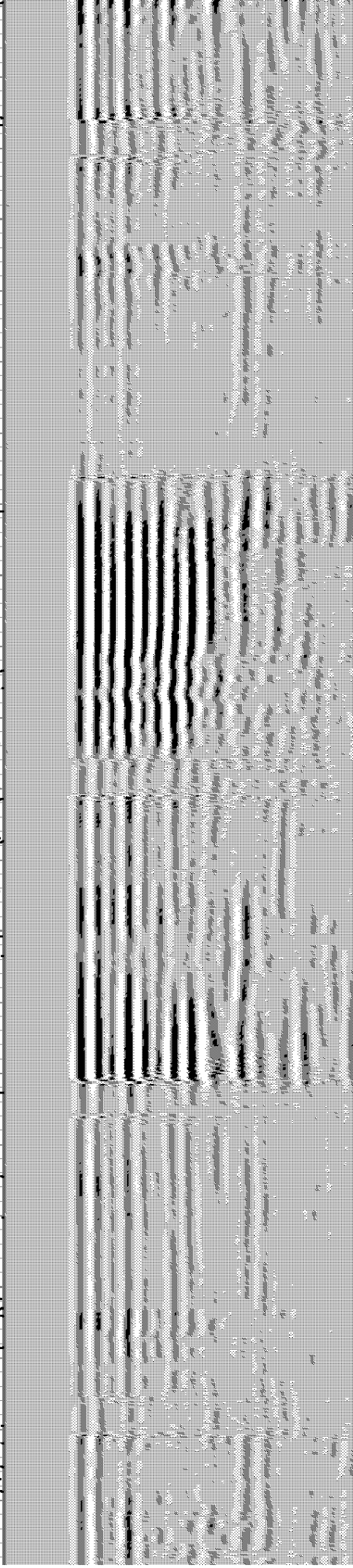
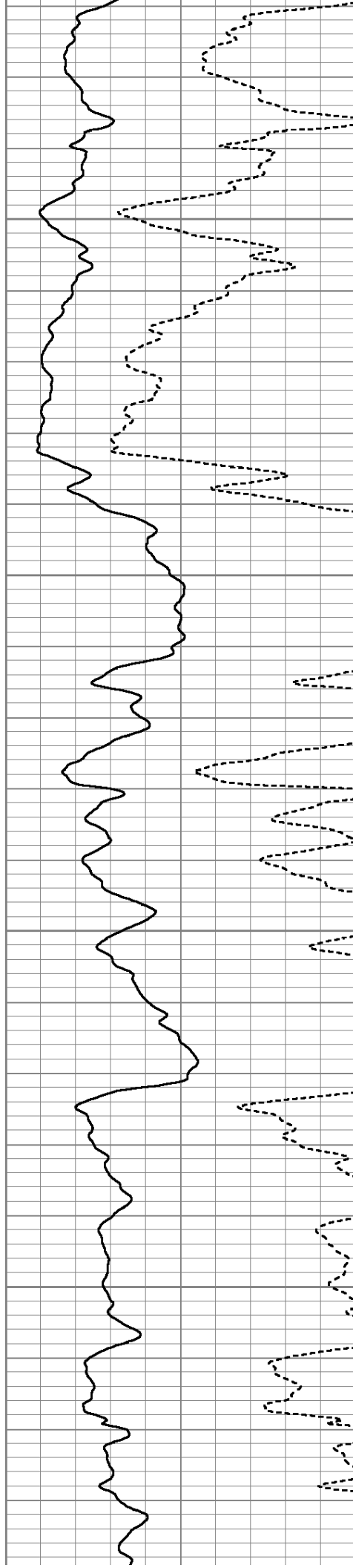


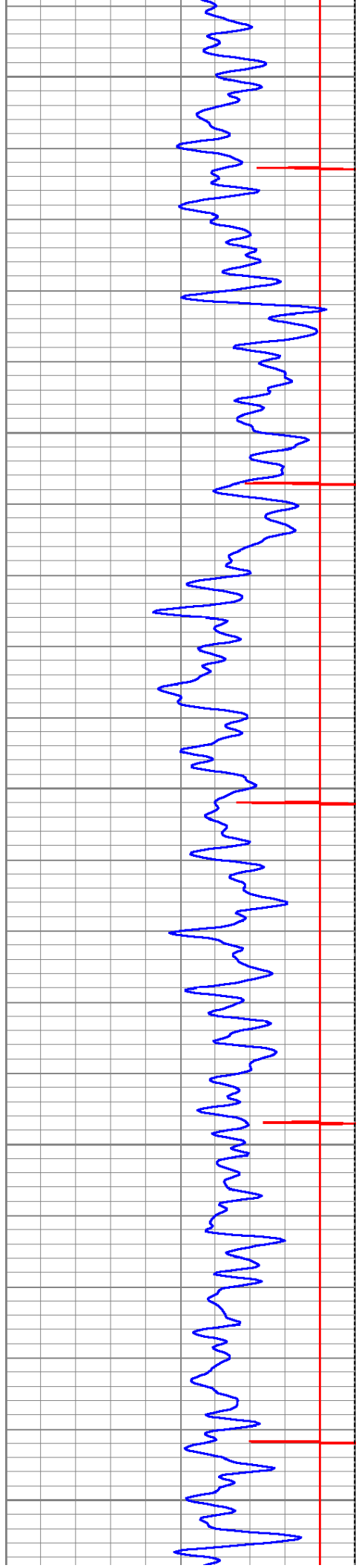
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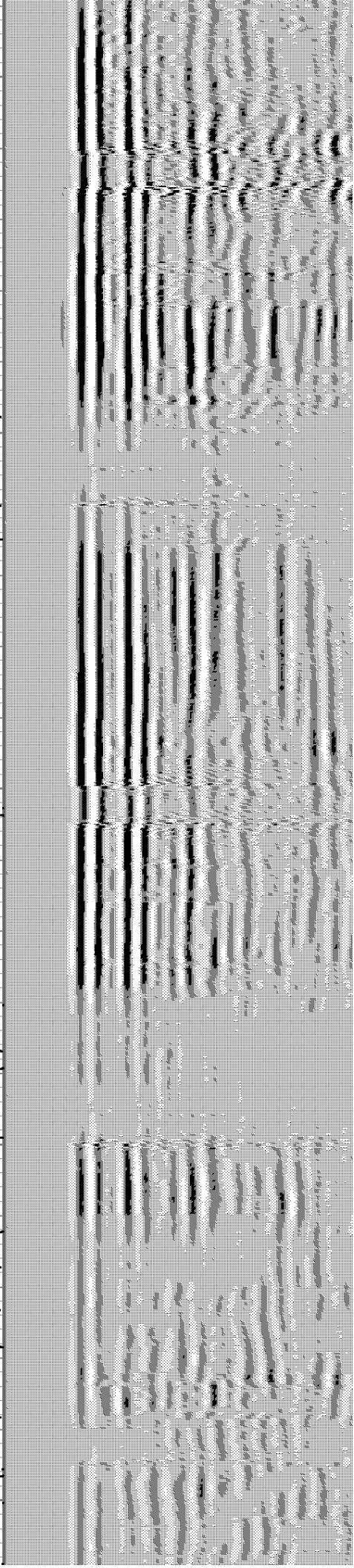
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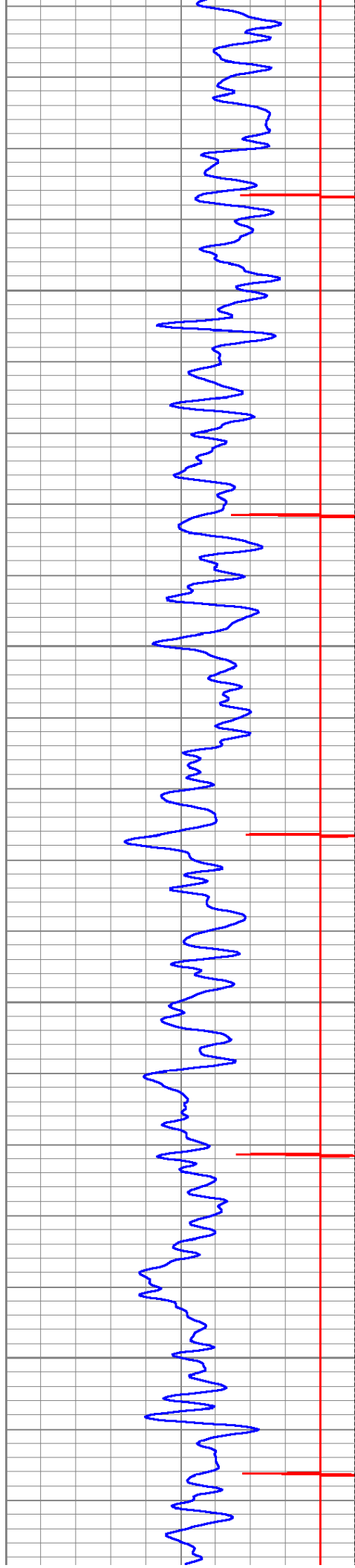
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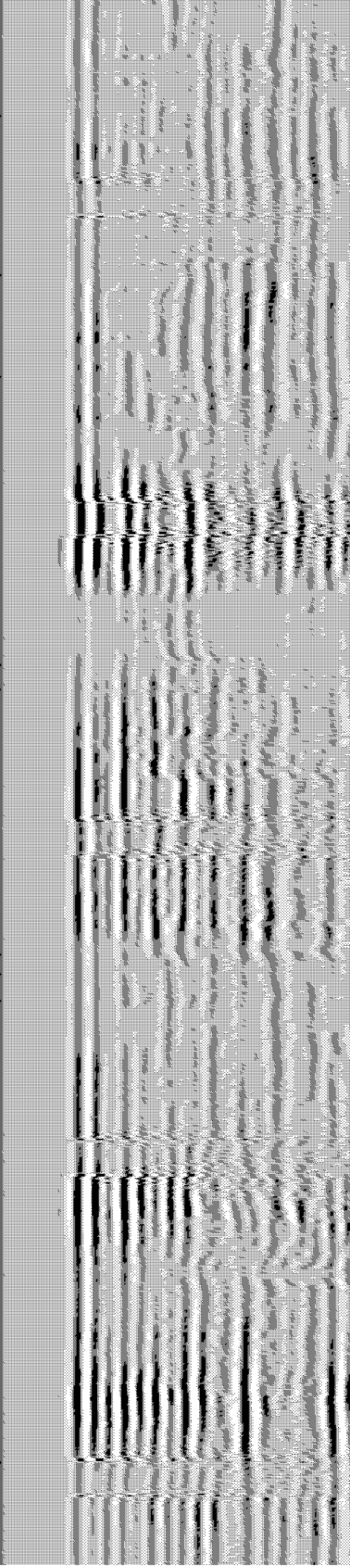
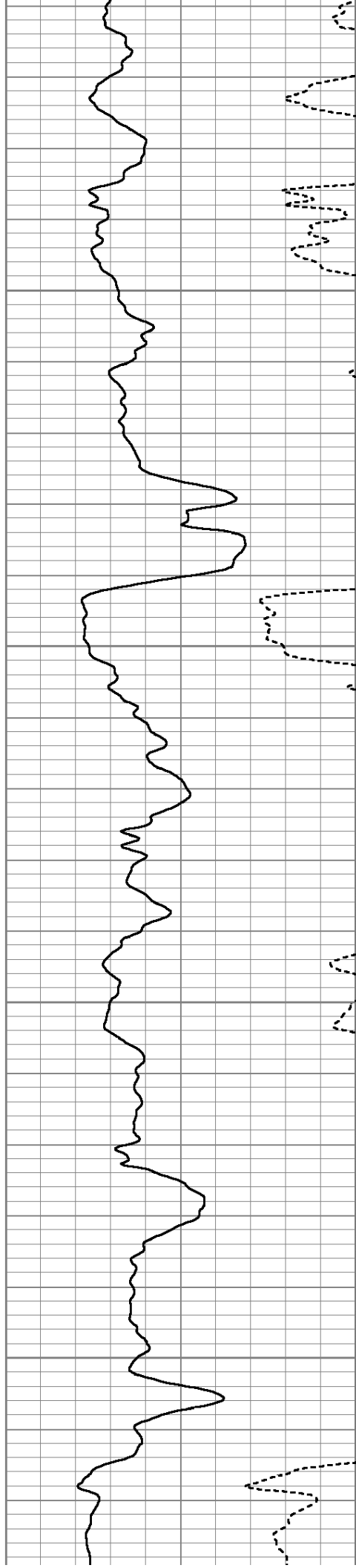


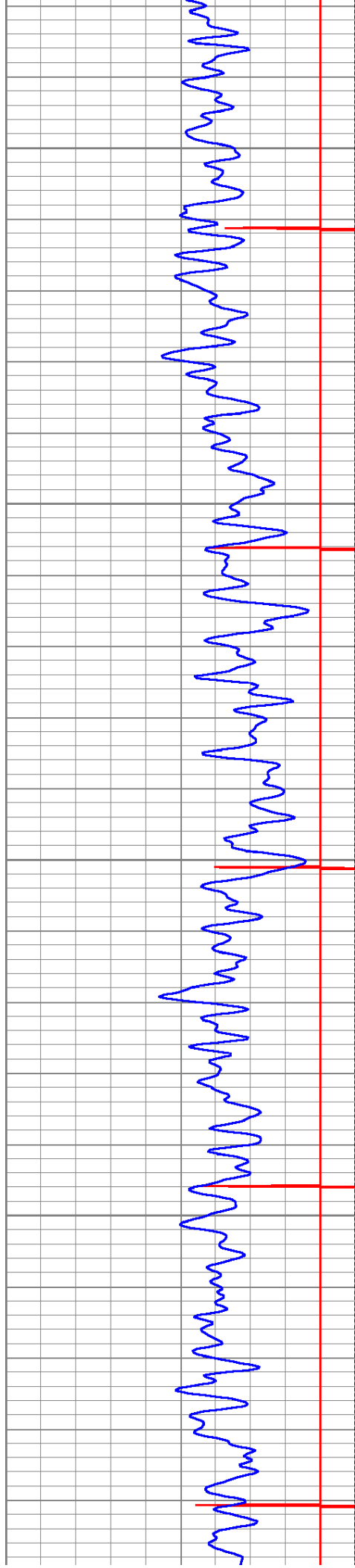
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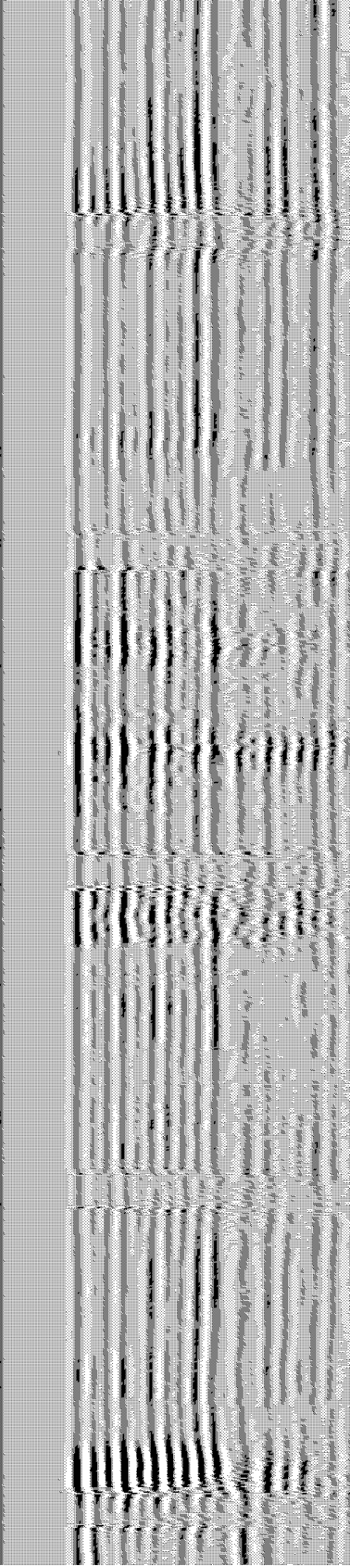
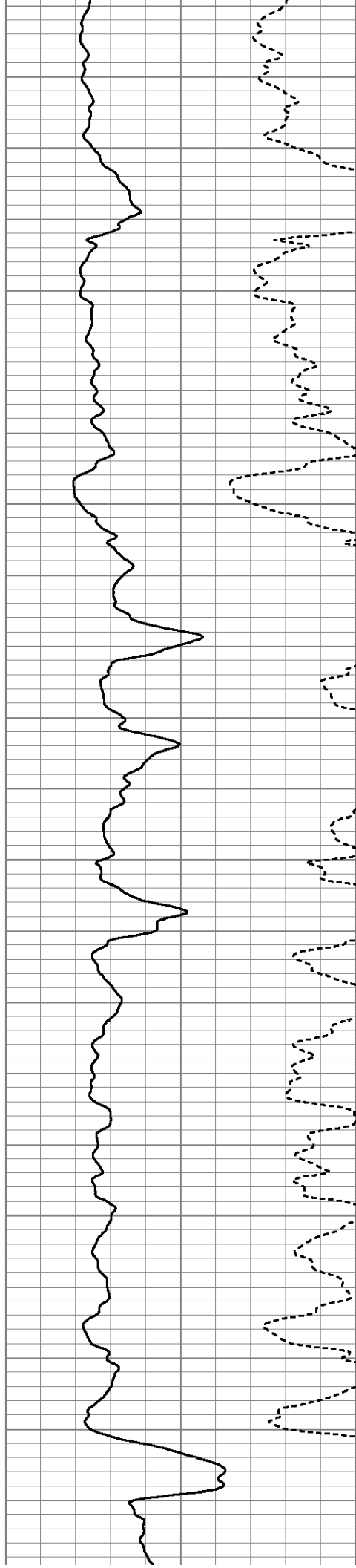


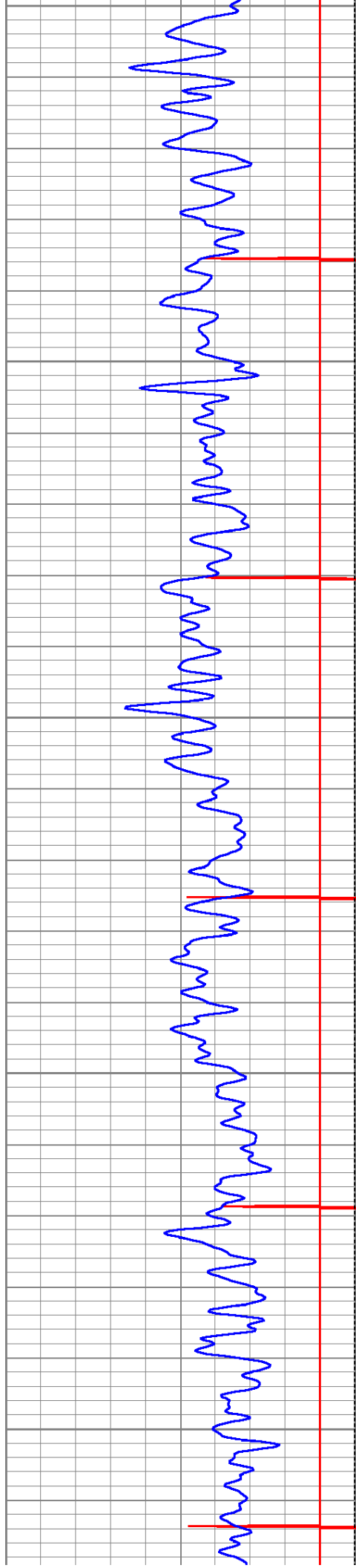
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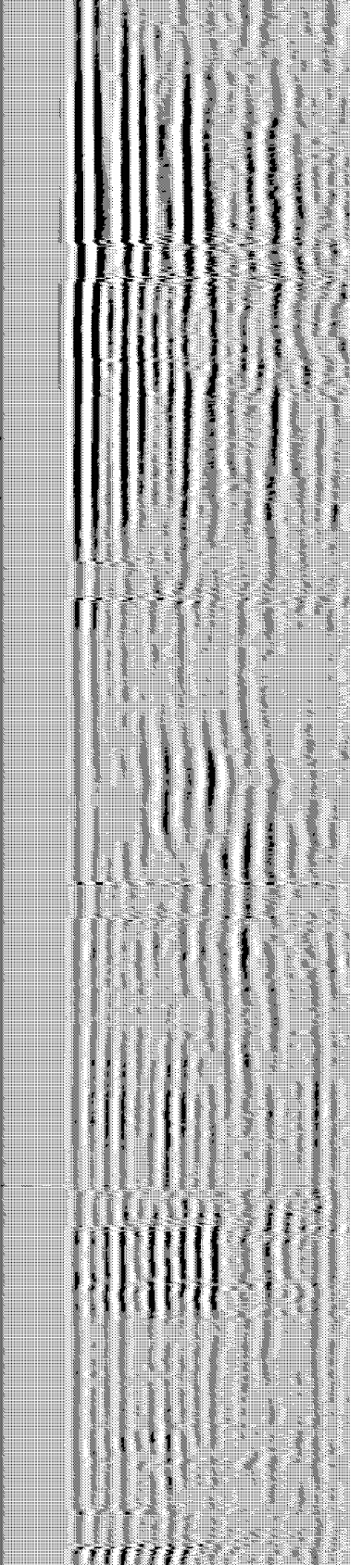
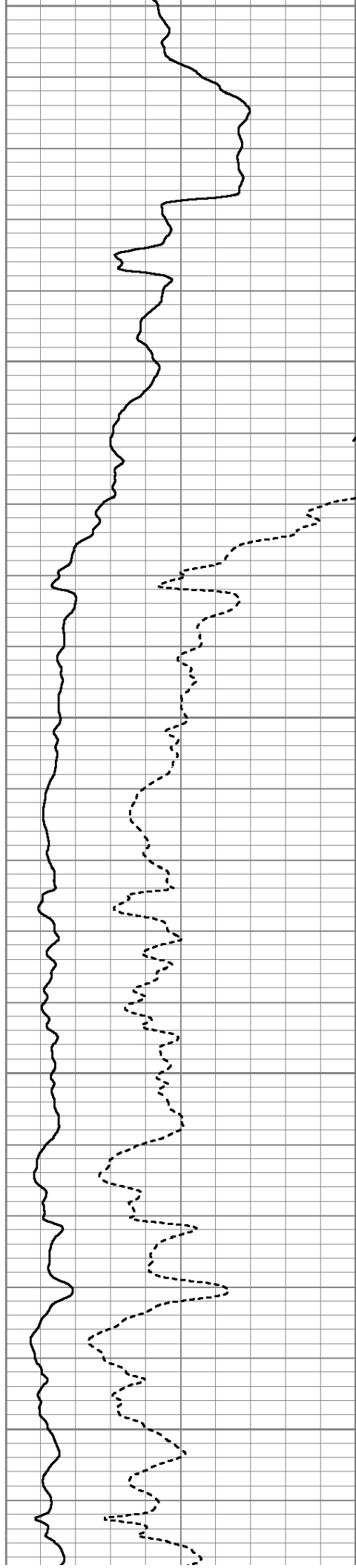
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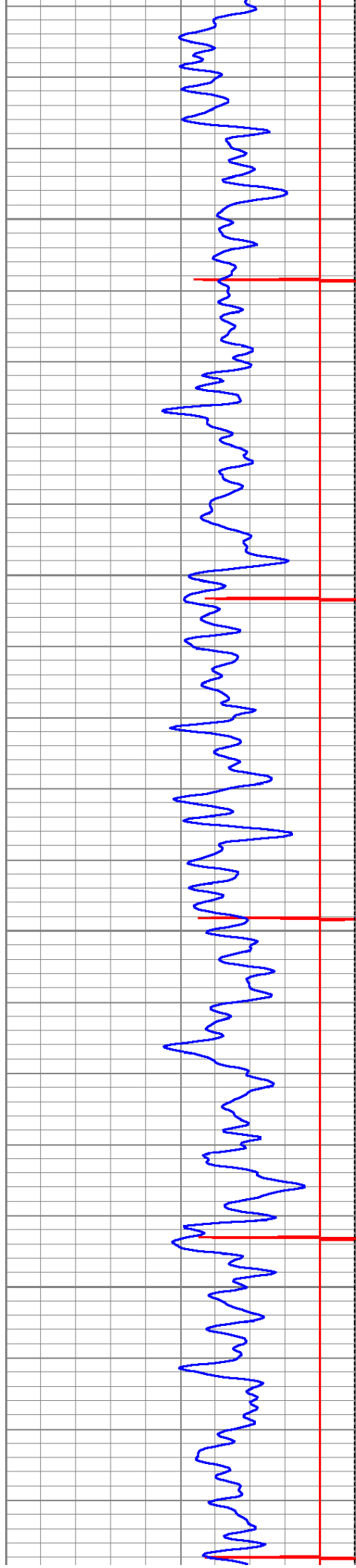
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3100
3150
3200
3250
3300



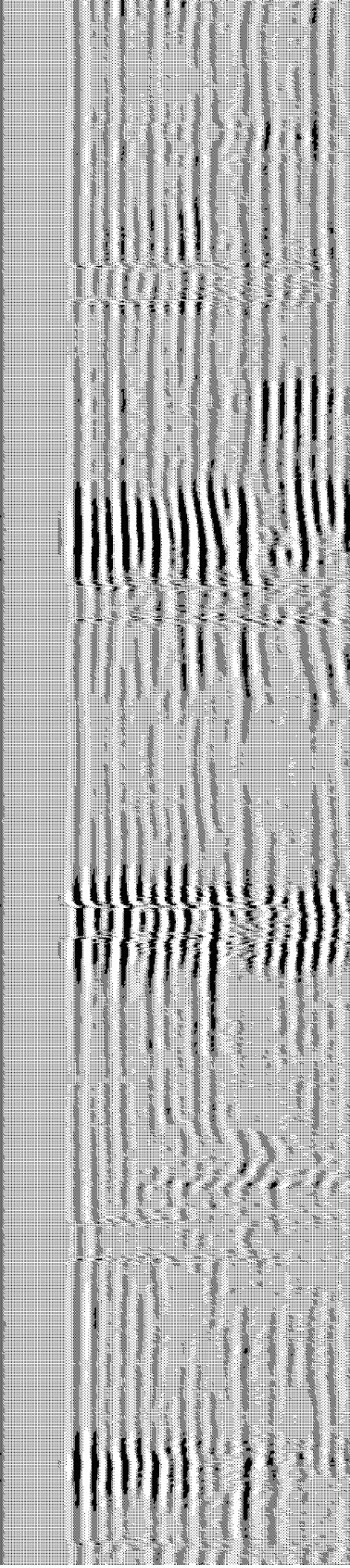
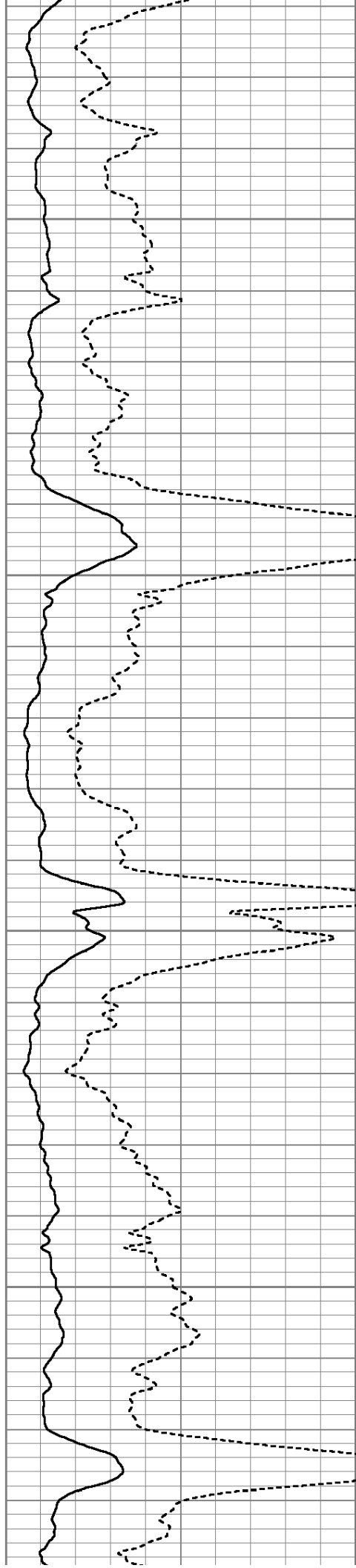


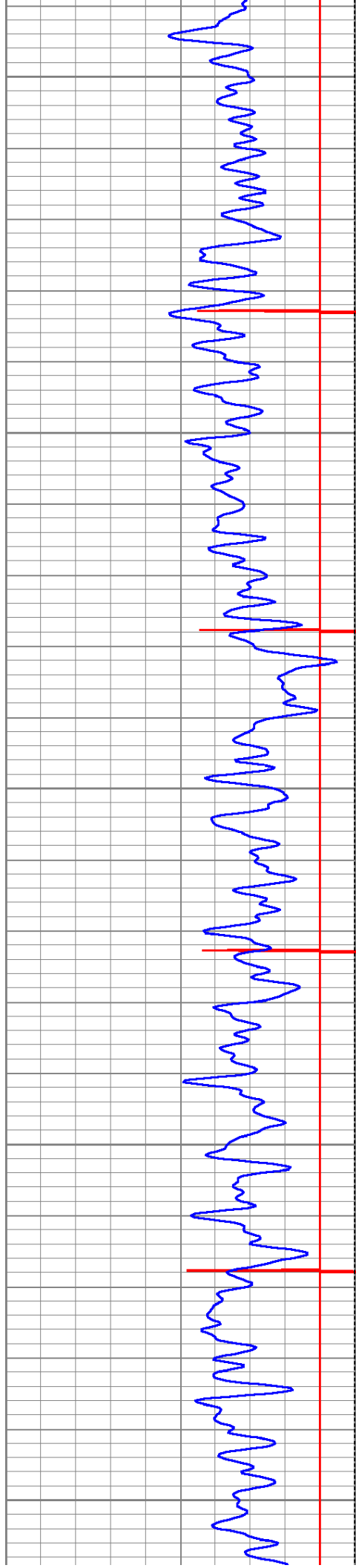
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3450

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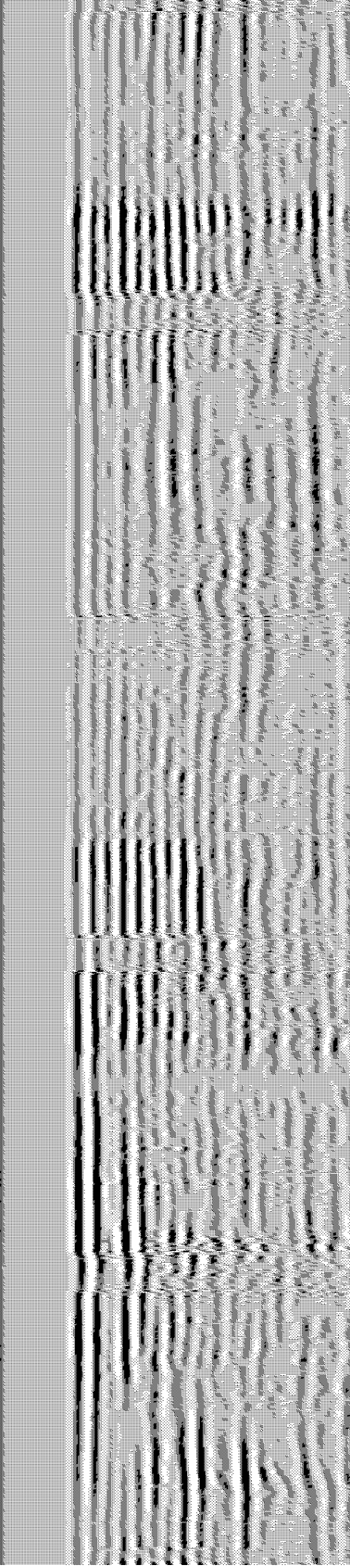
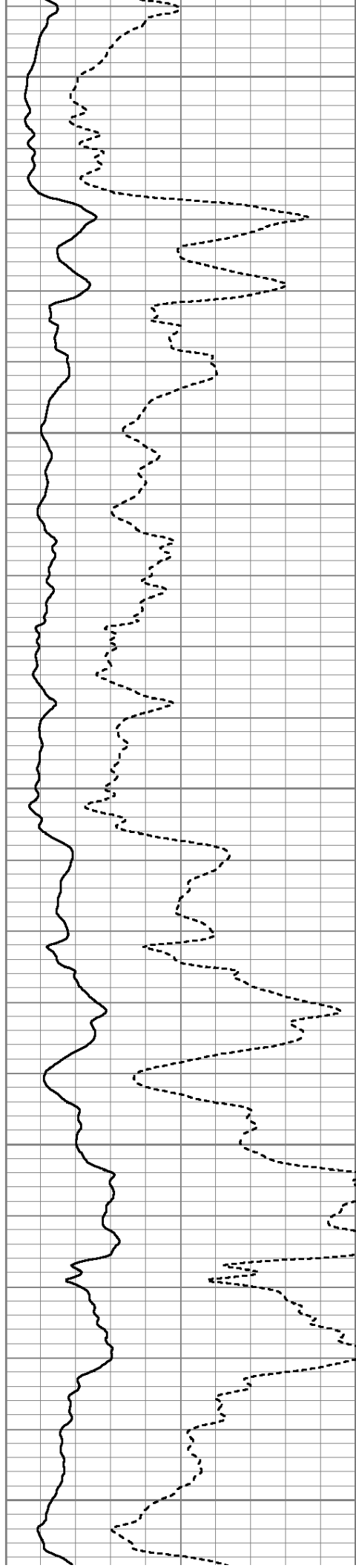
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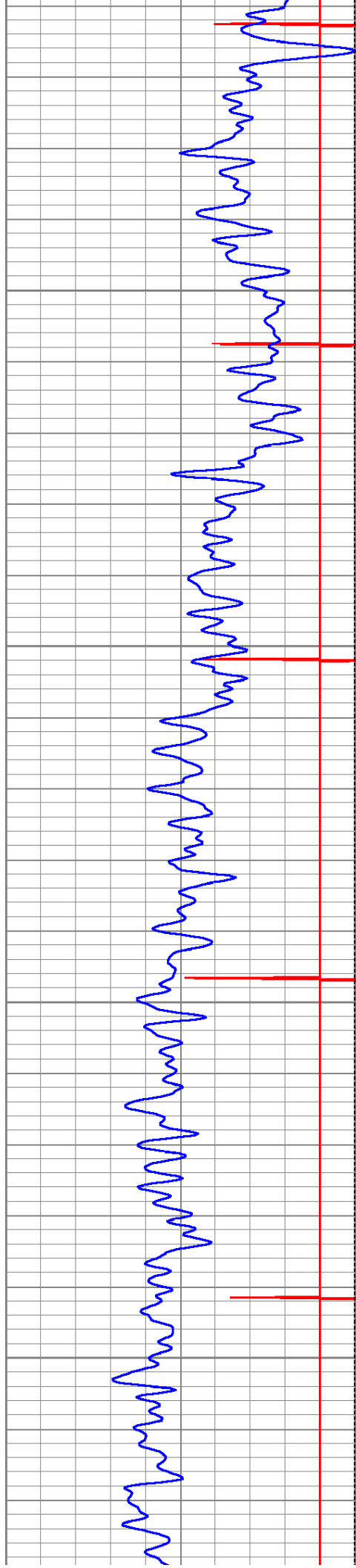
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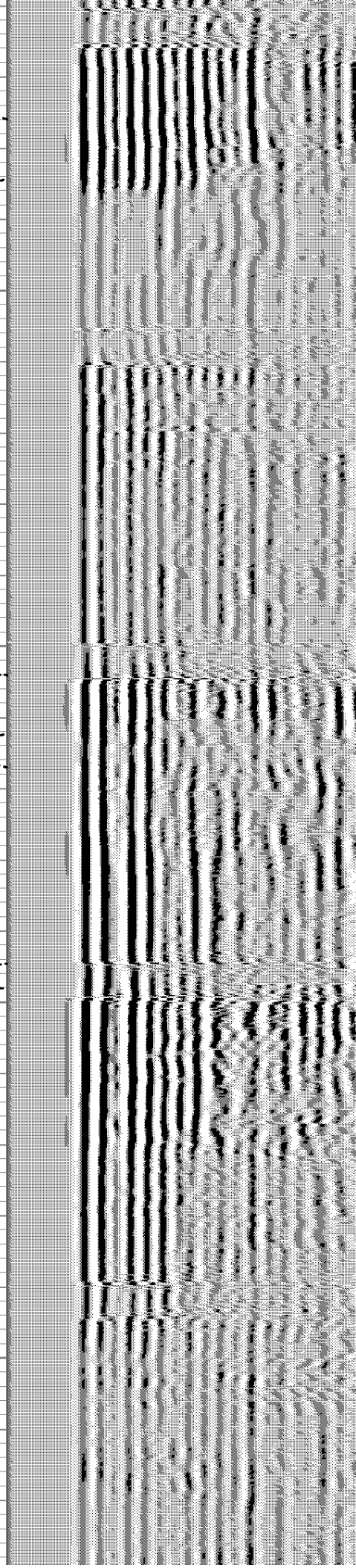
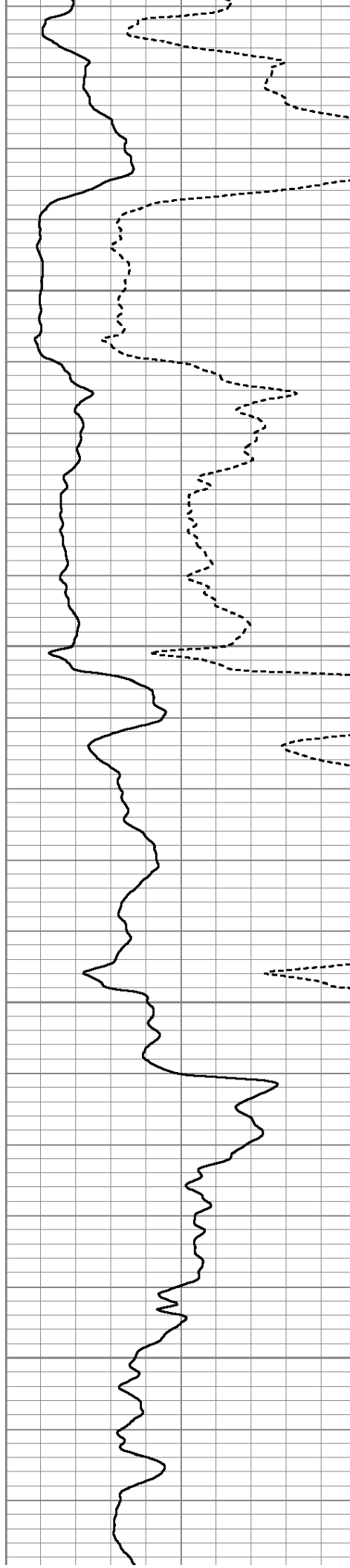


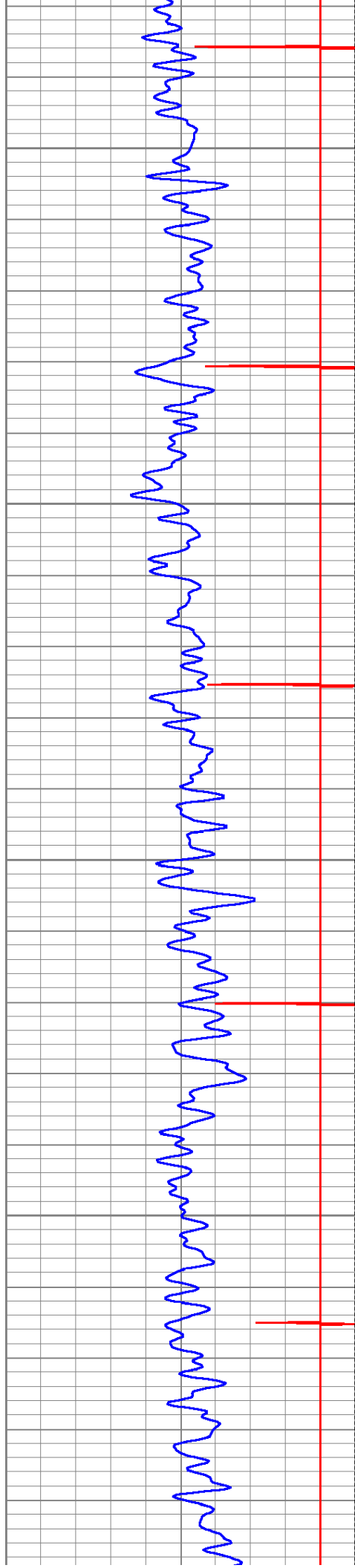
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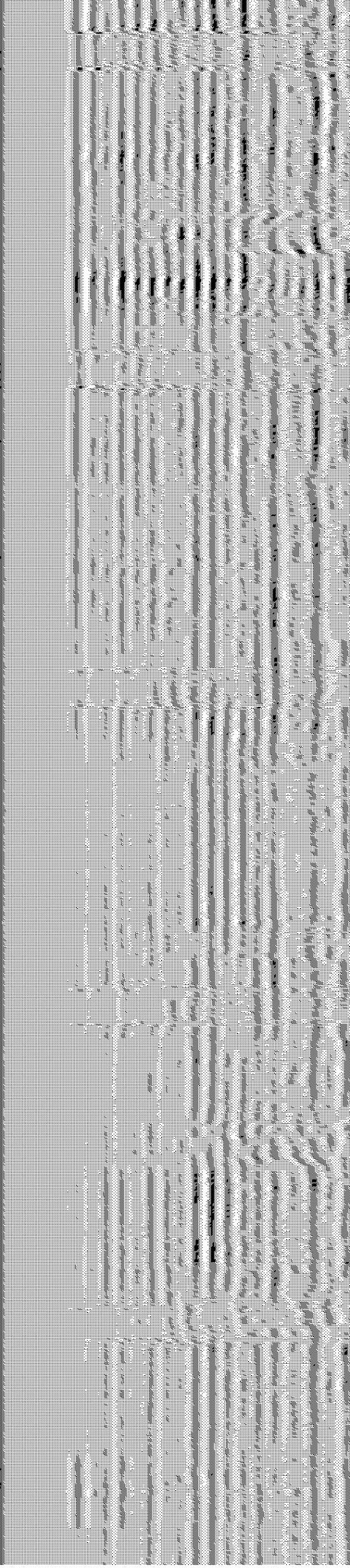
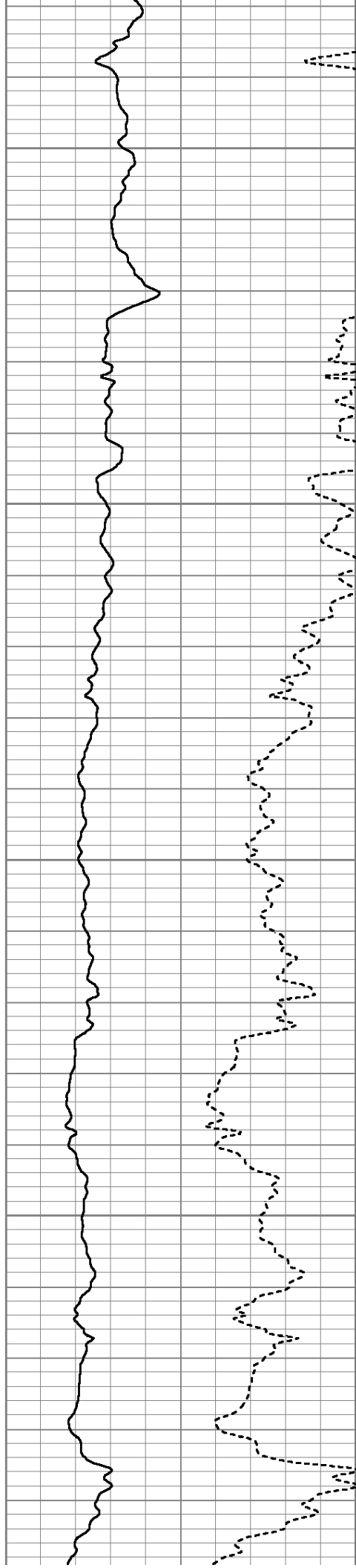


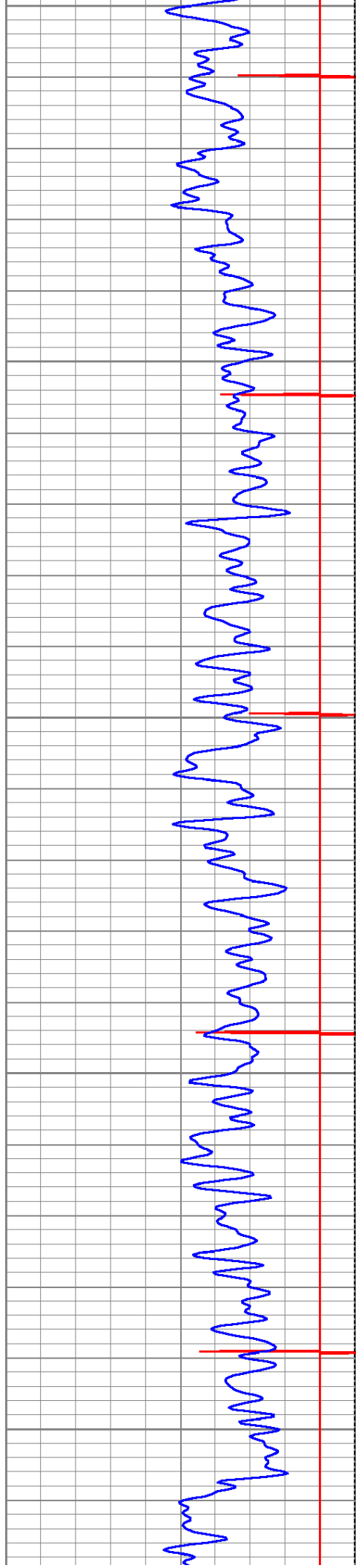
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4150





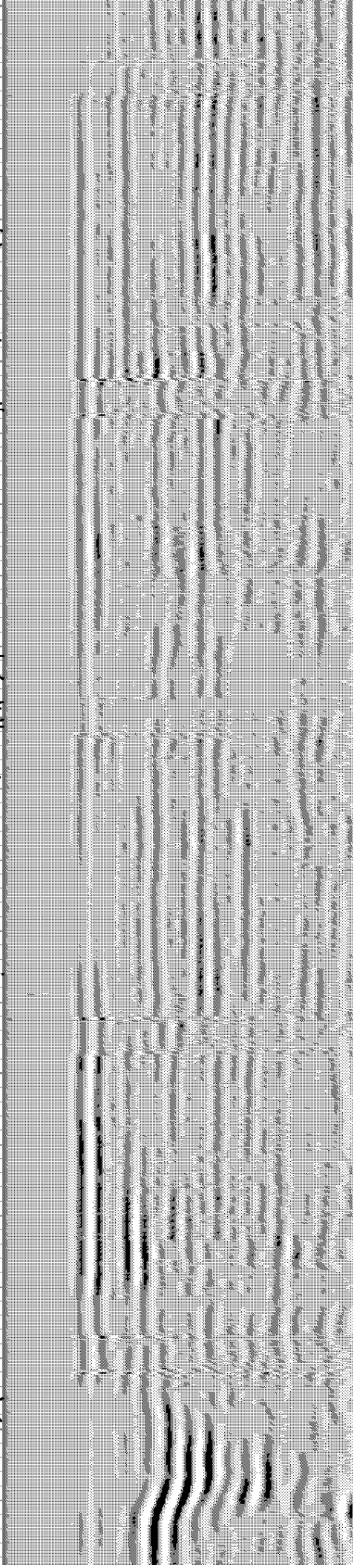
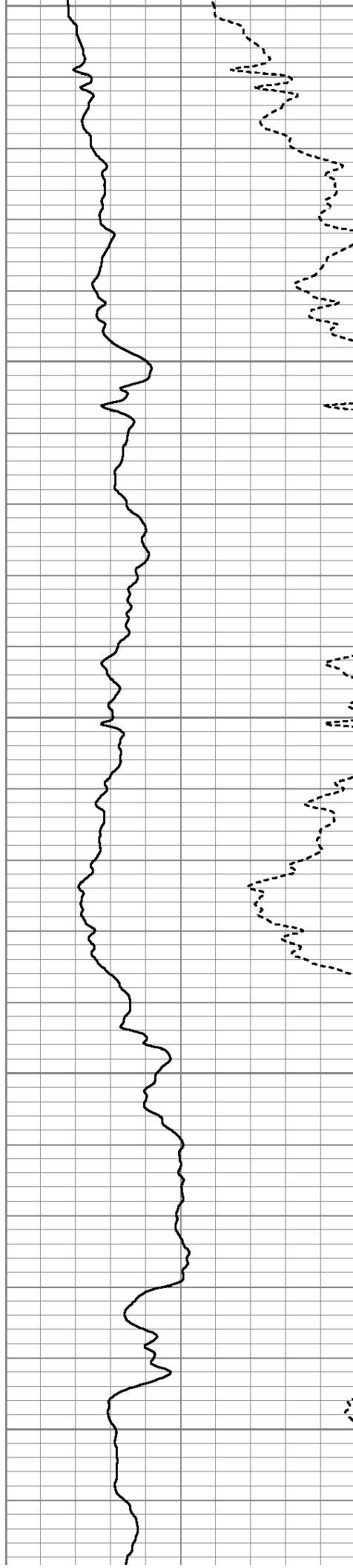
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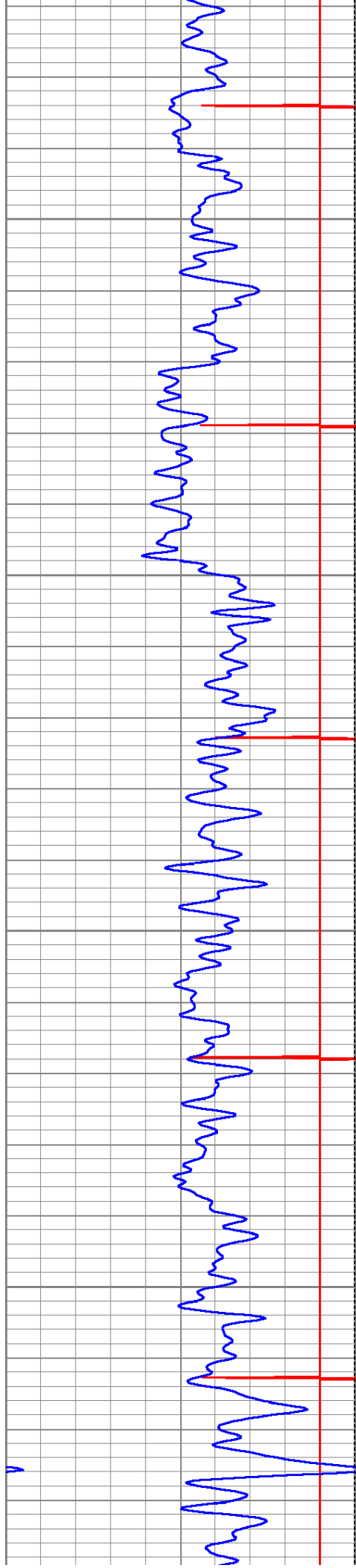
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4400



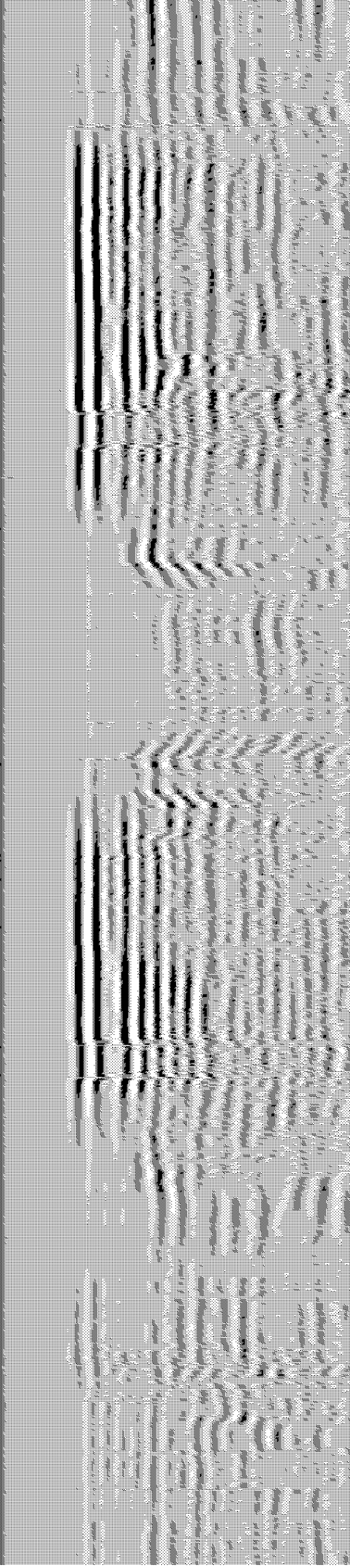
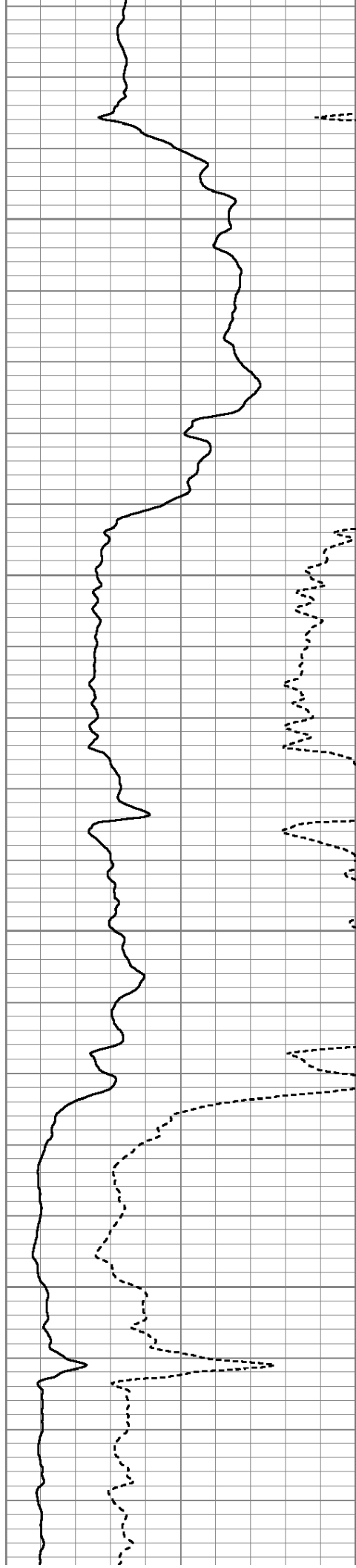


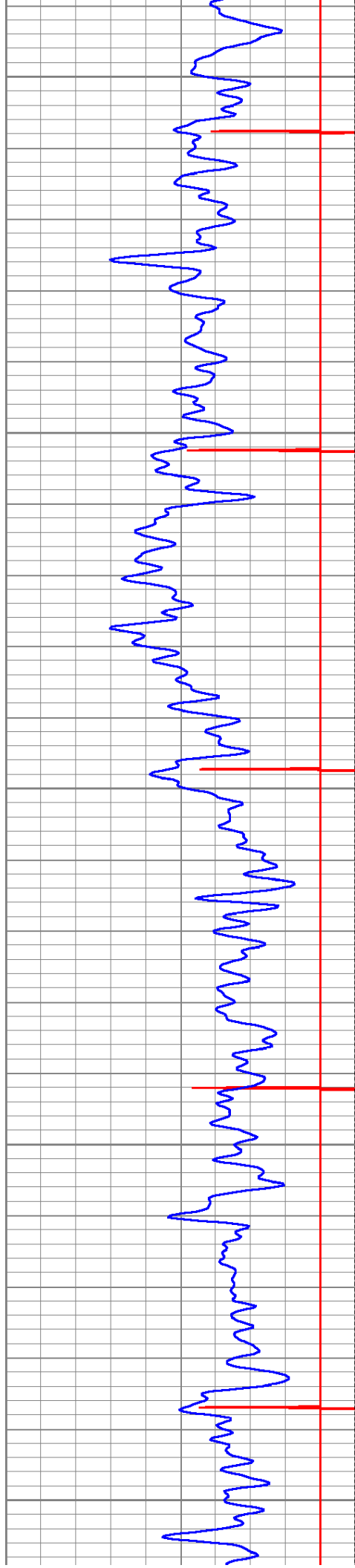
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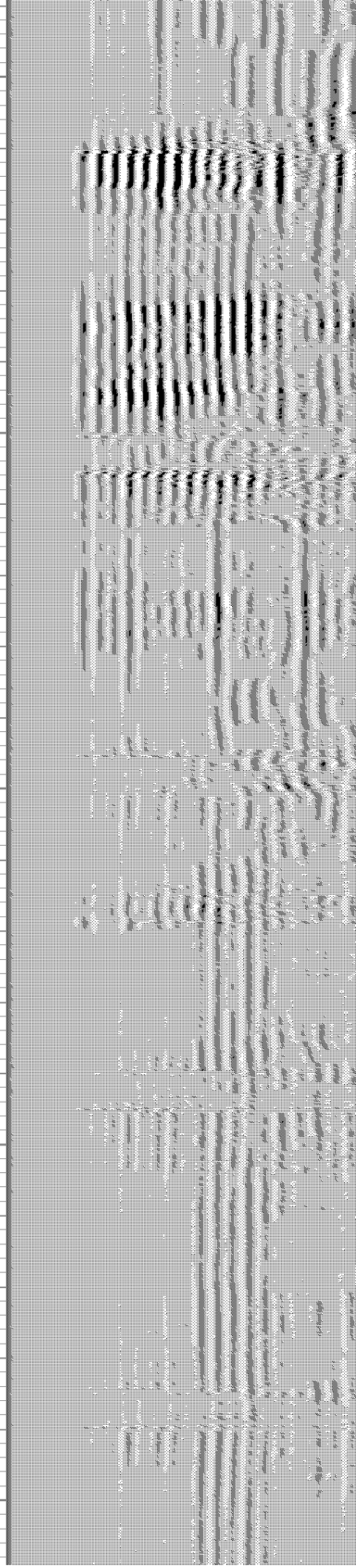
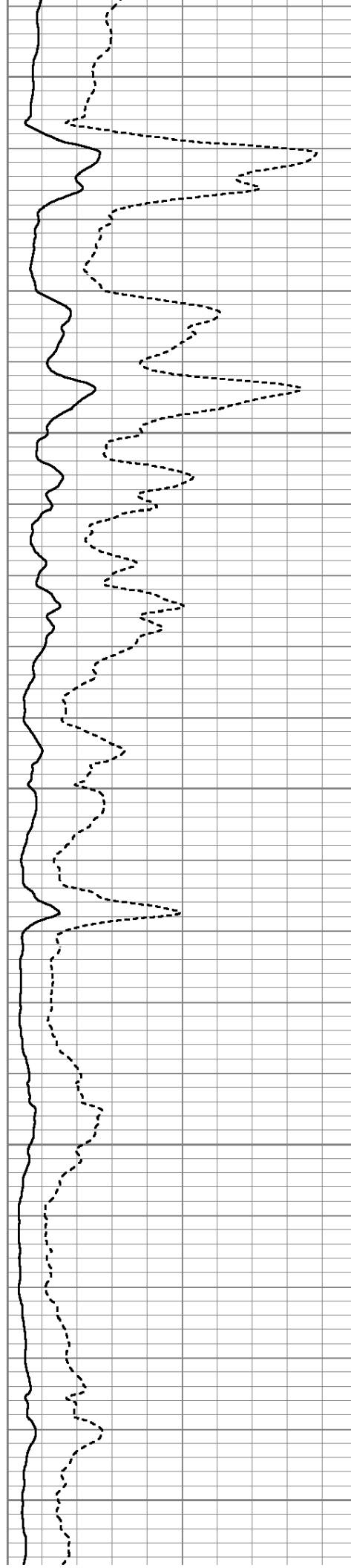
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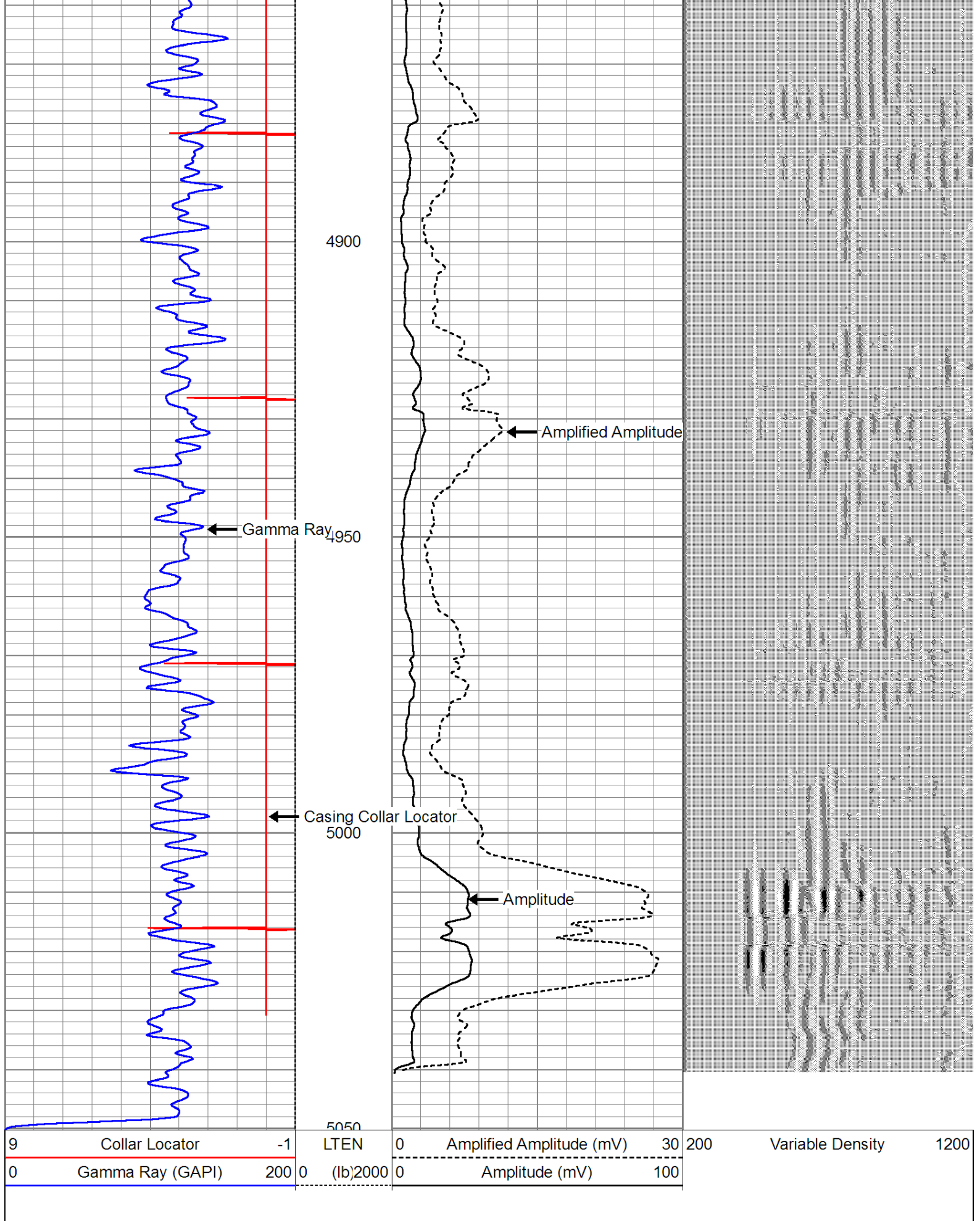
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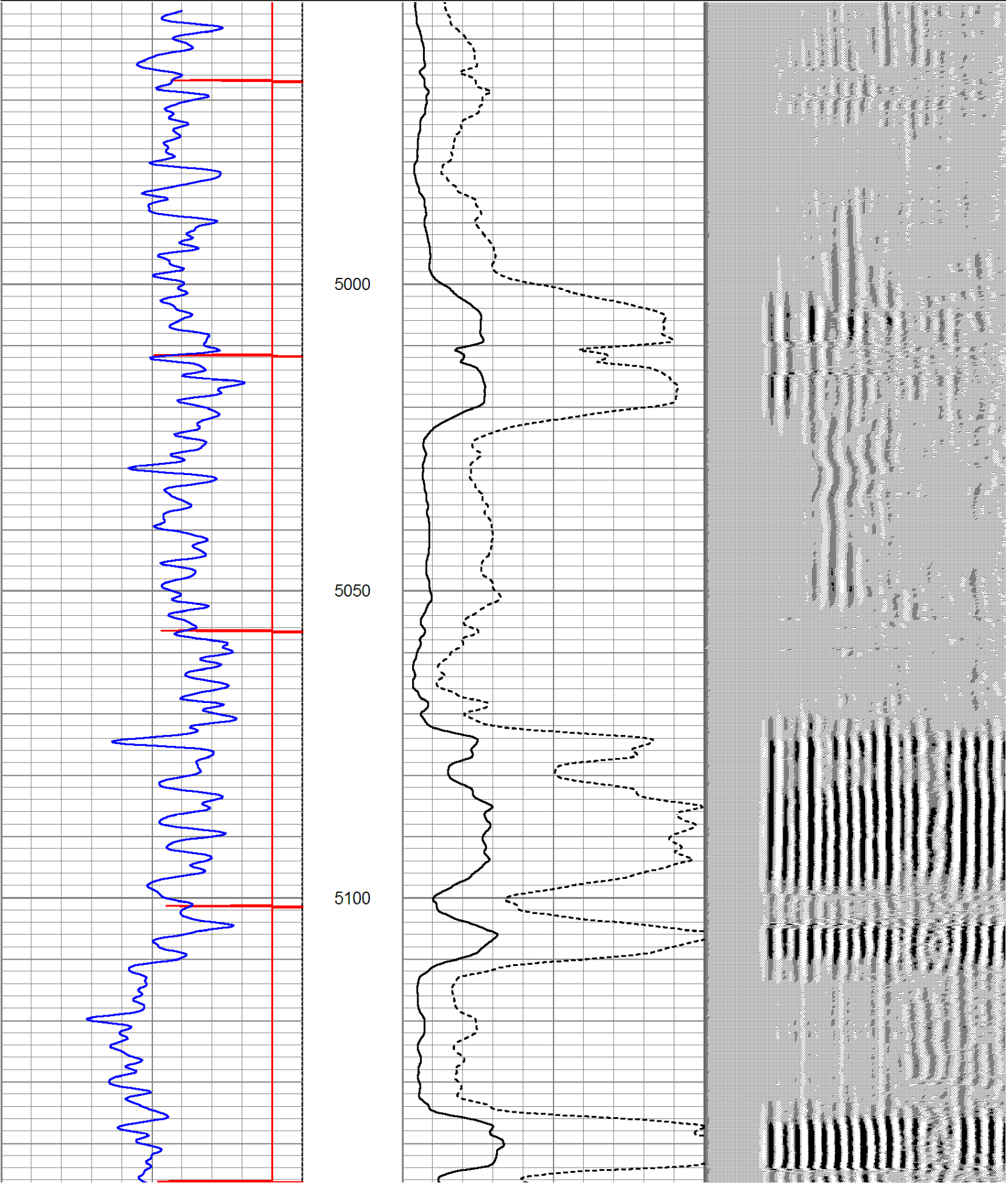
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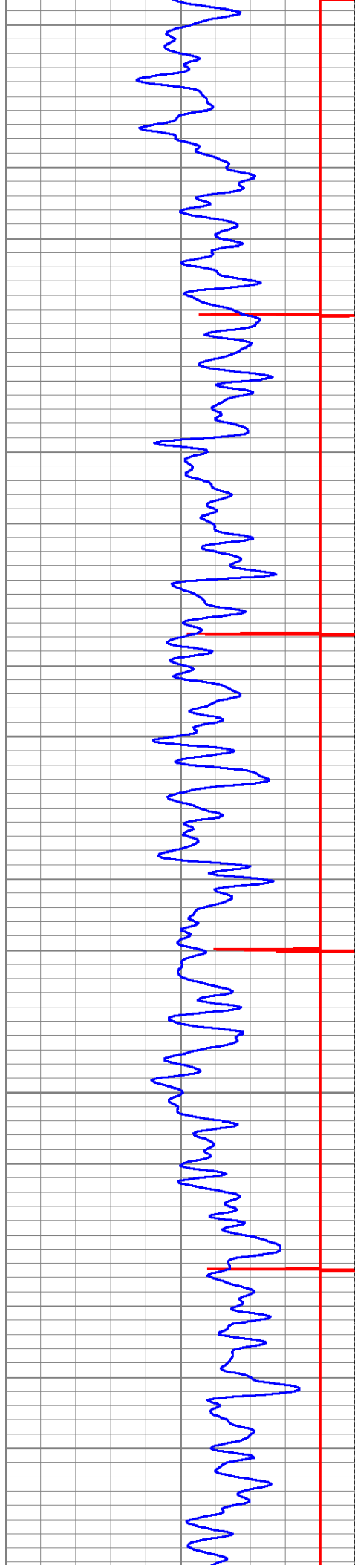
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9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0 (lb)2000	0	Amplitude (mV)	100			





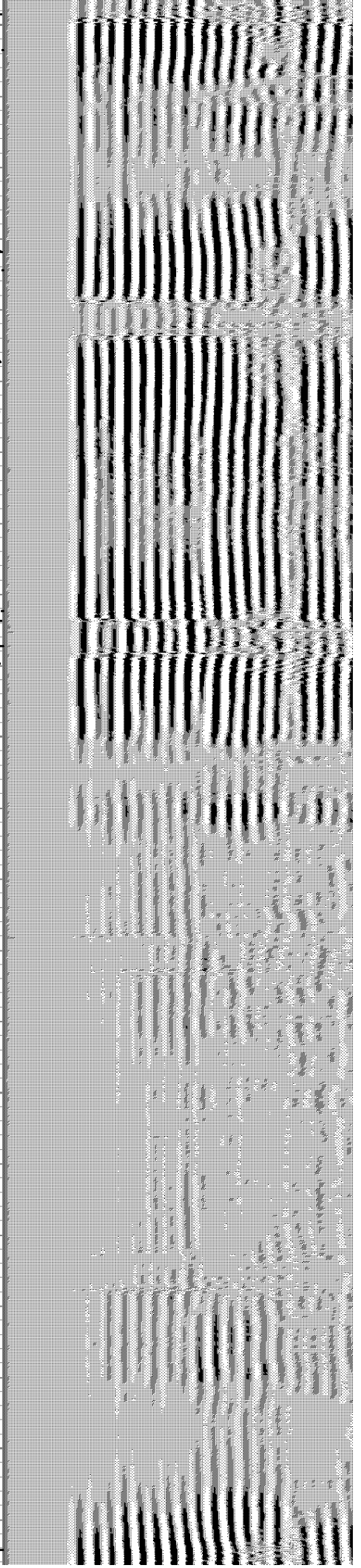
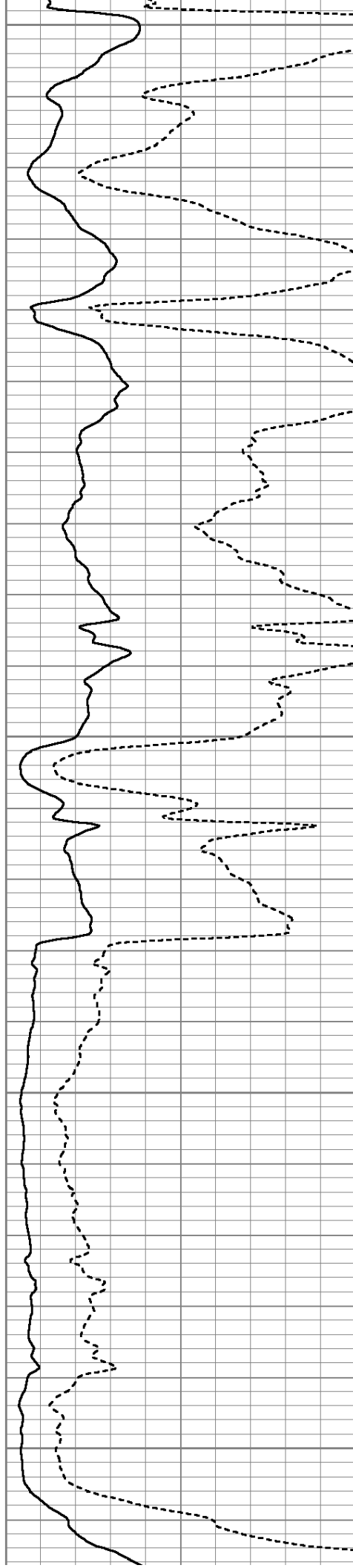
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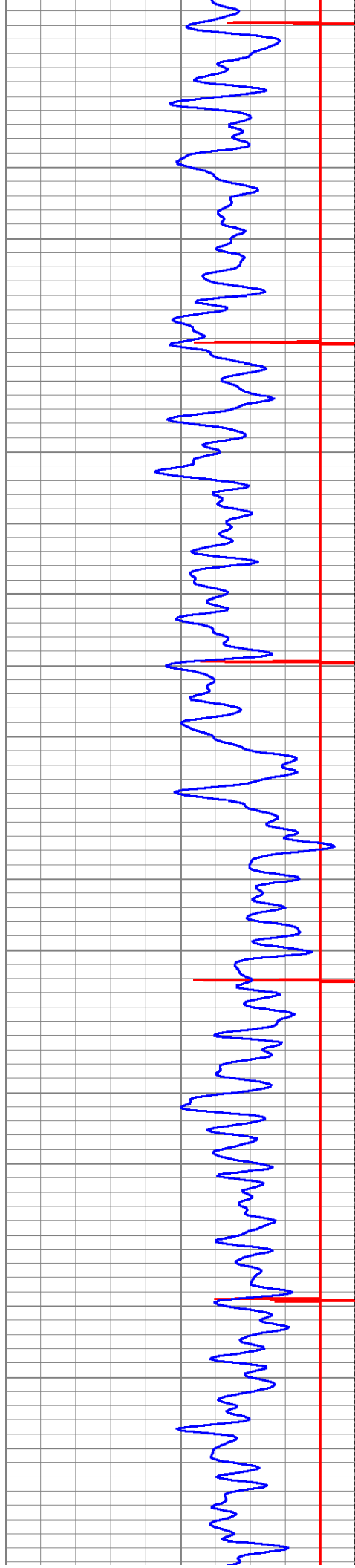
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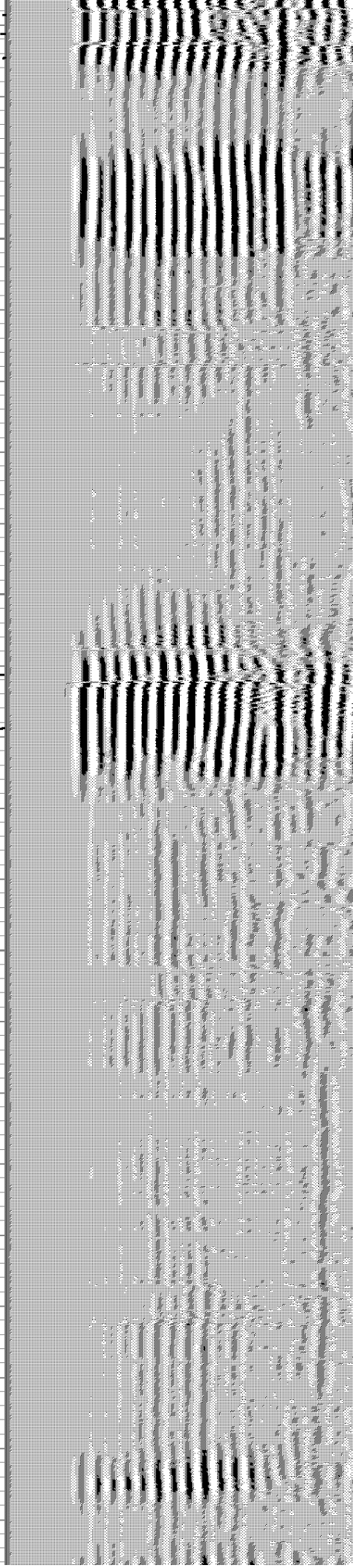
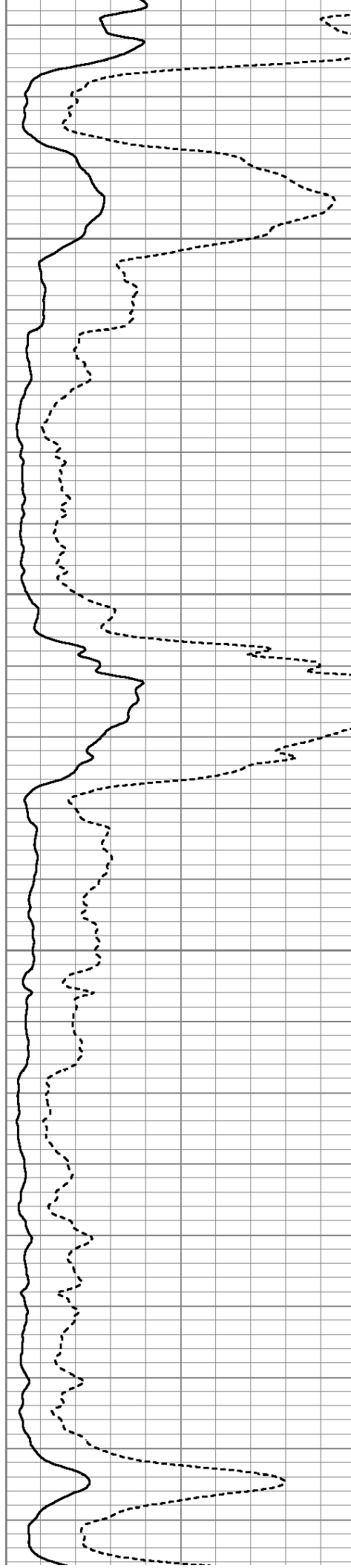


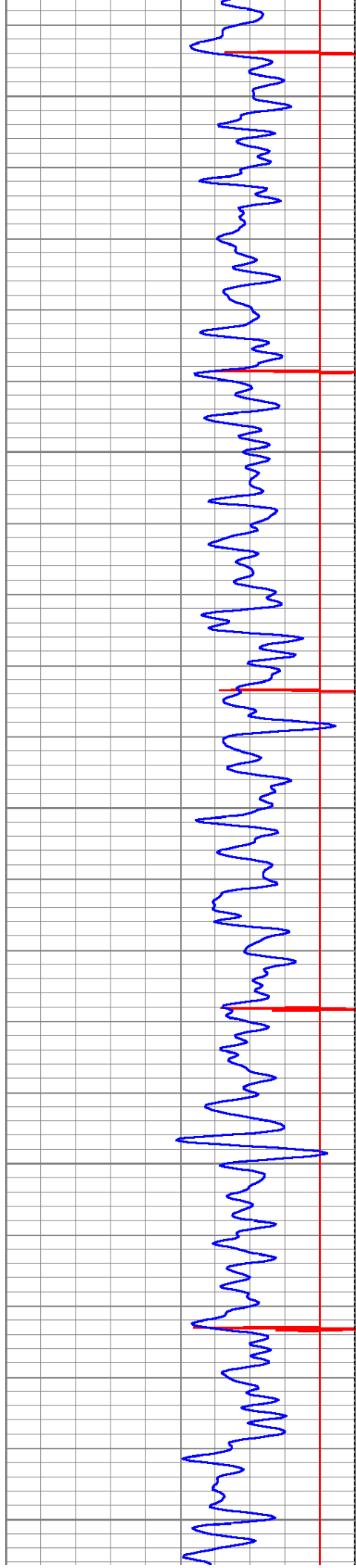
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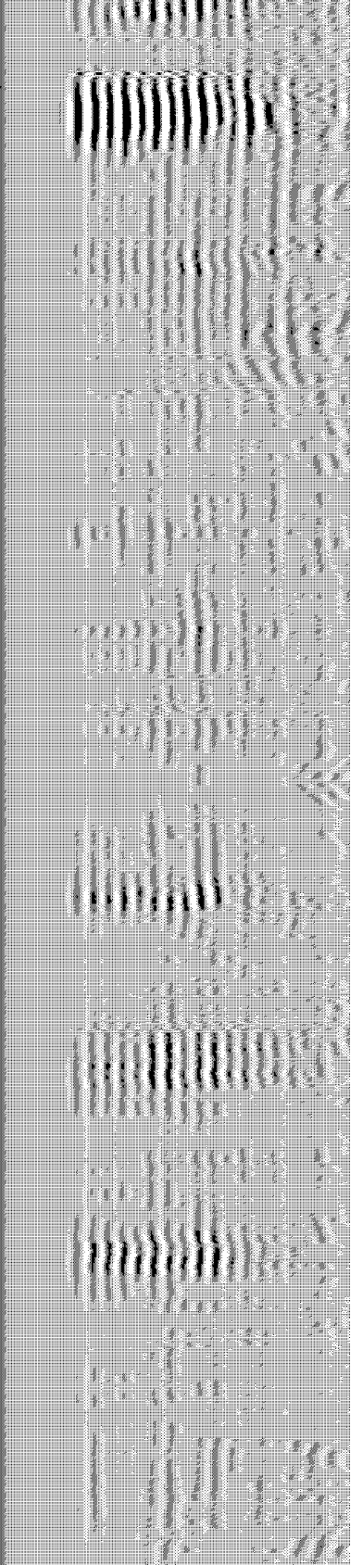
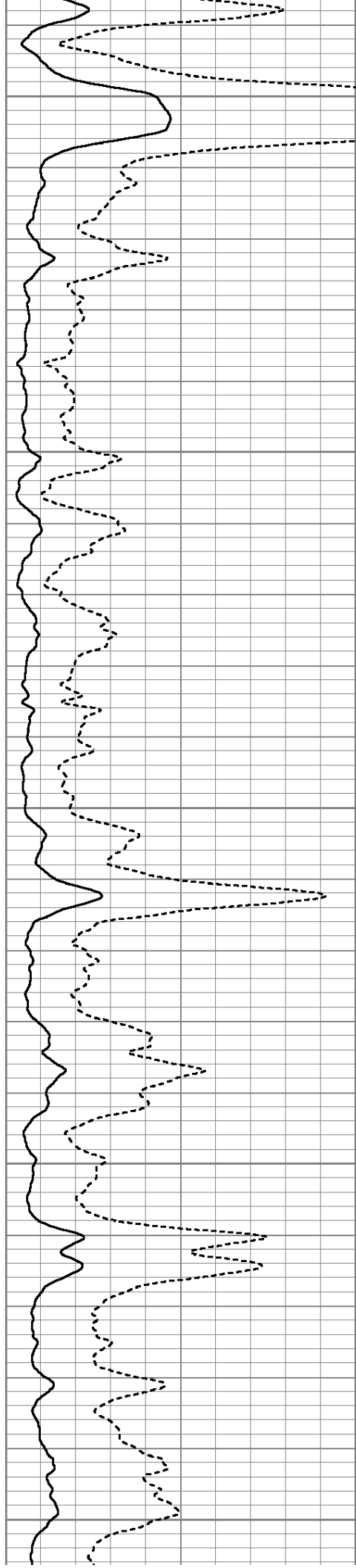
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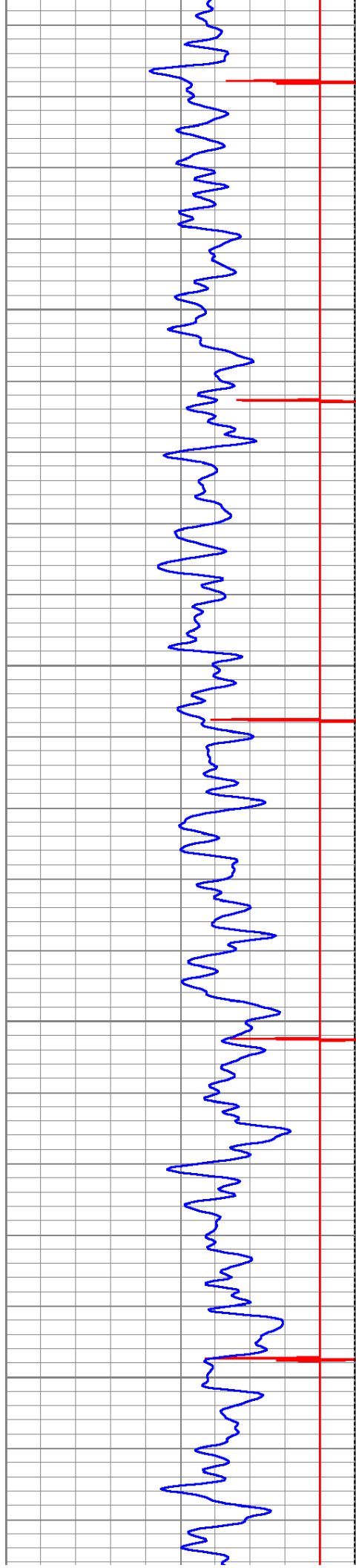
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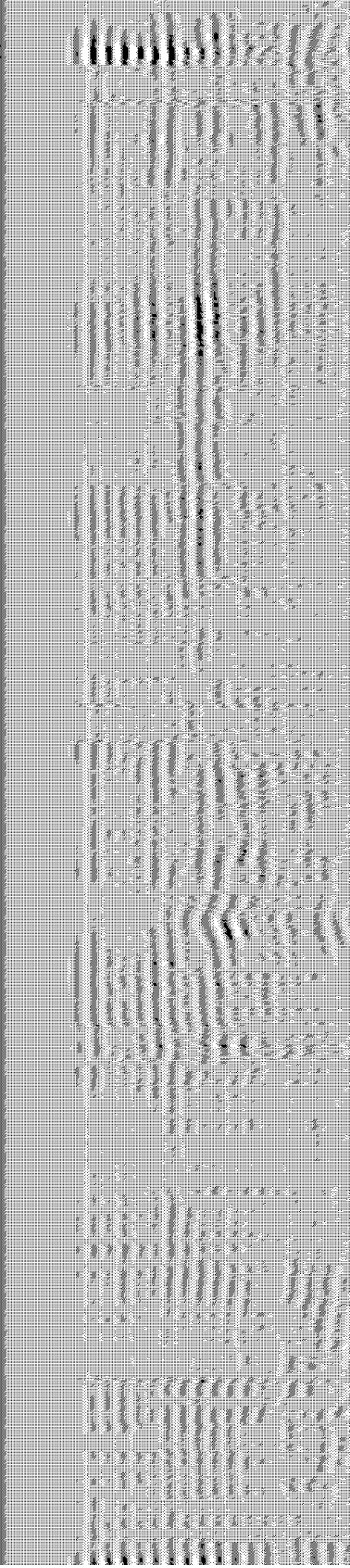
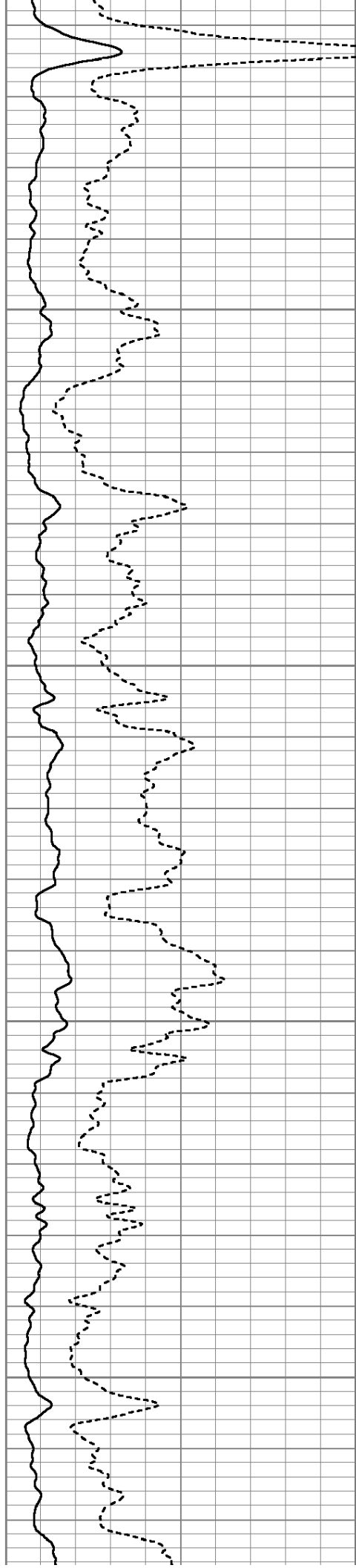


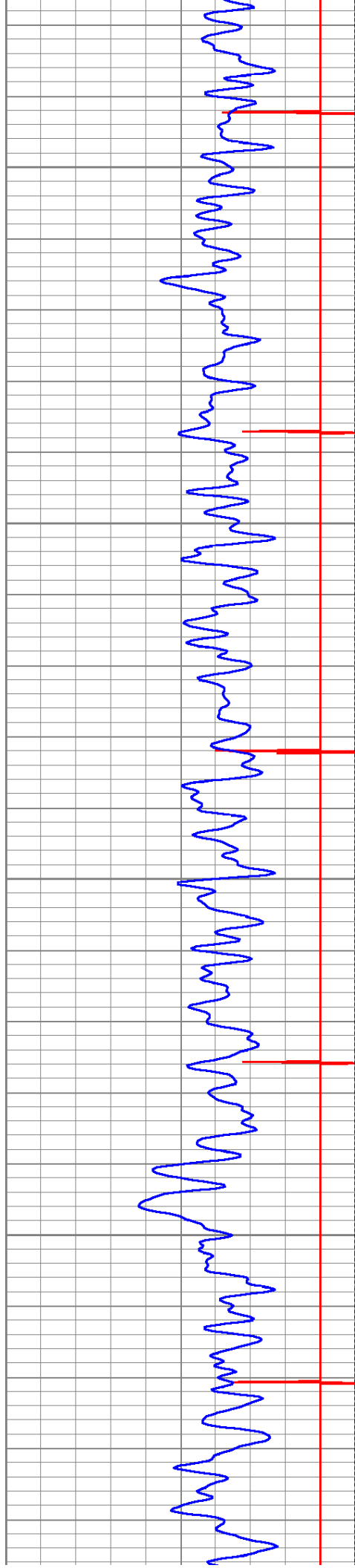
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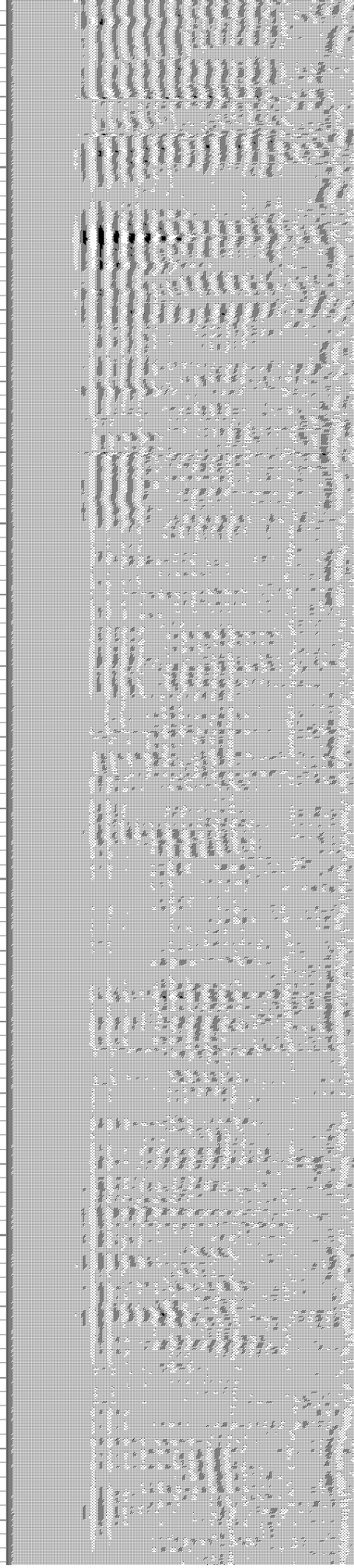
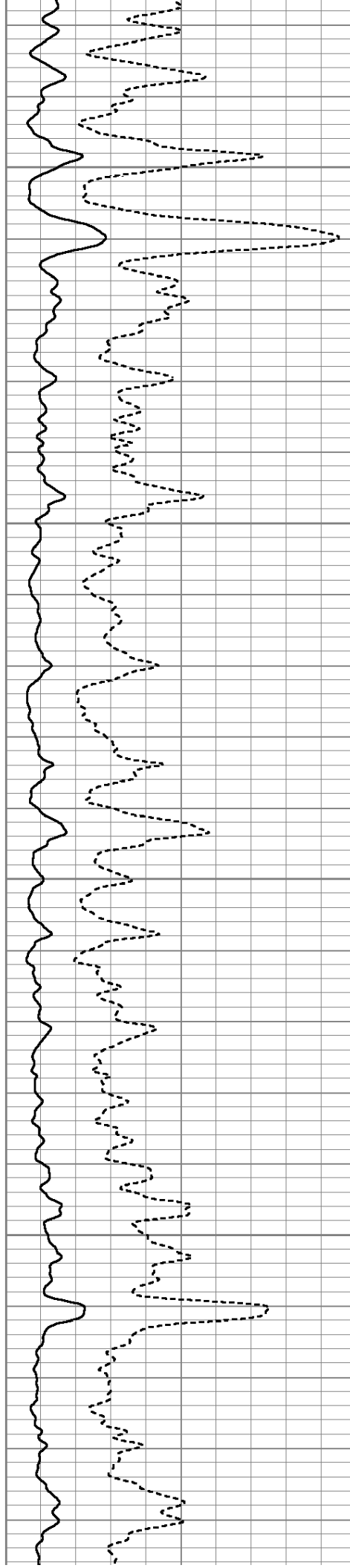


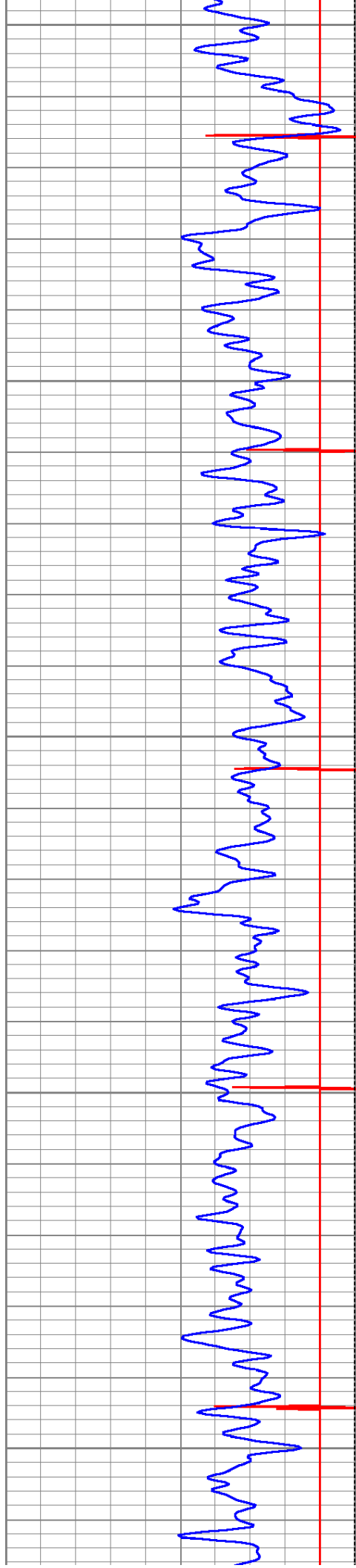
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6150

6200





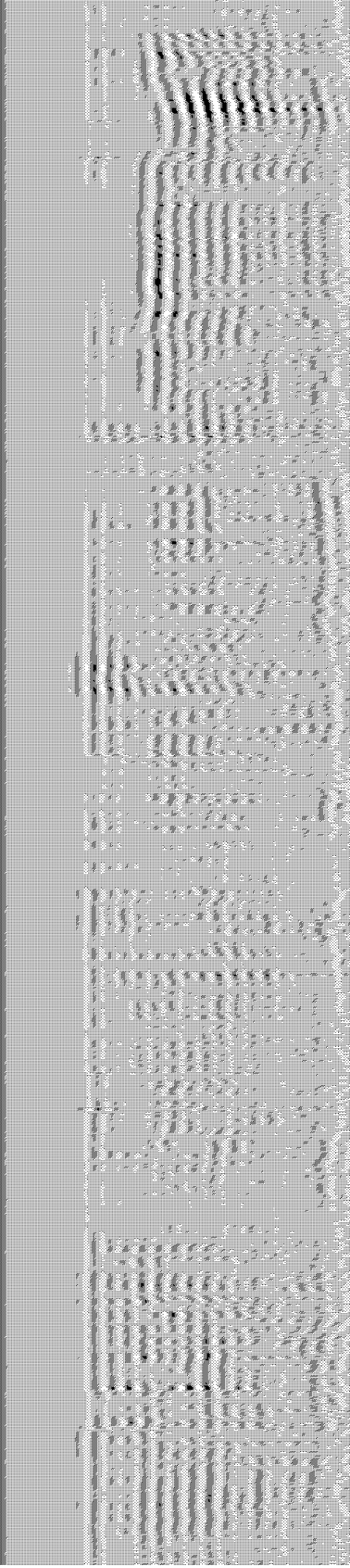
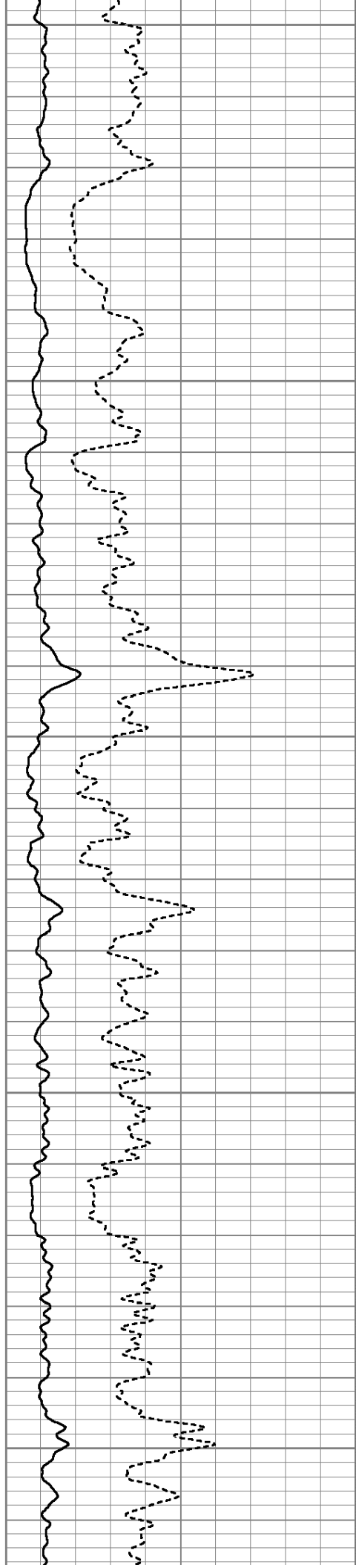
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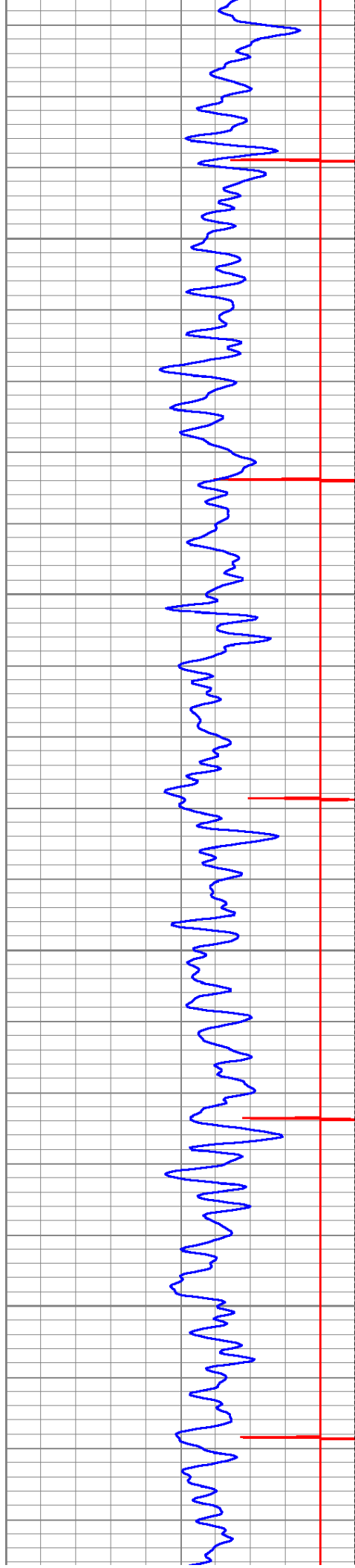
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6400

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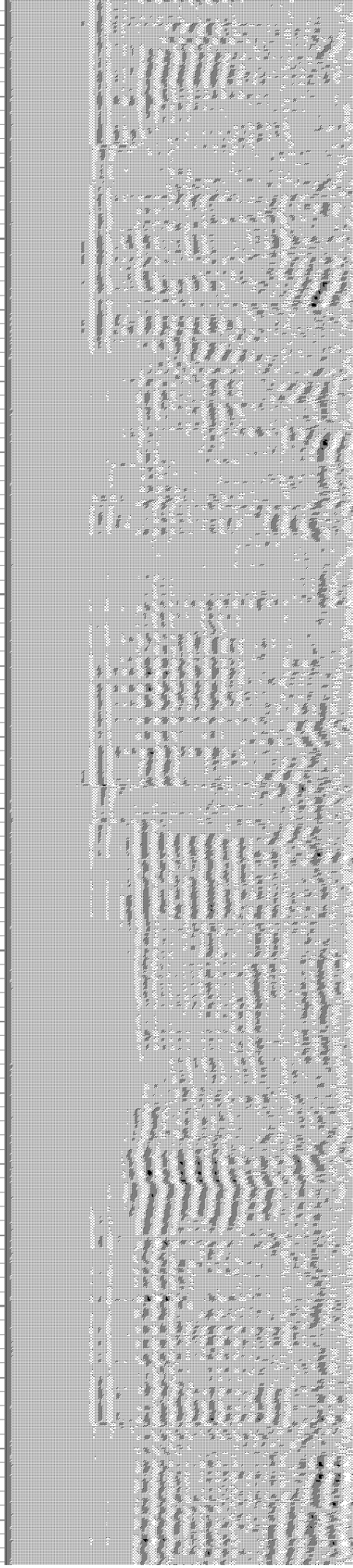
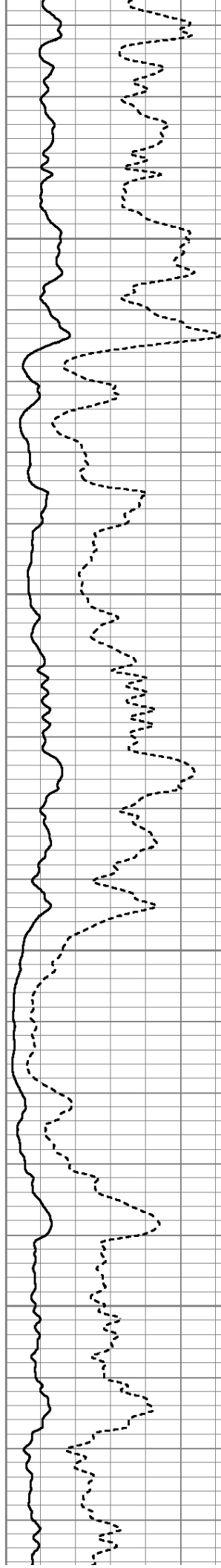


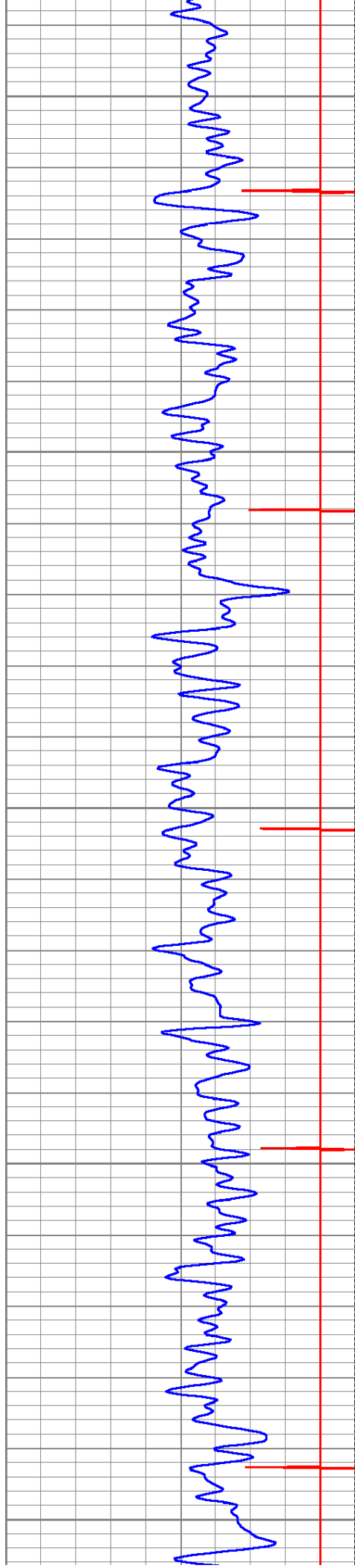
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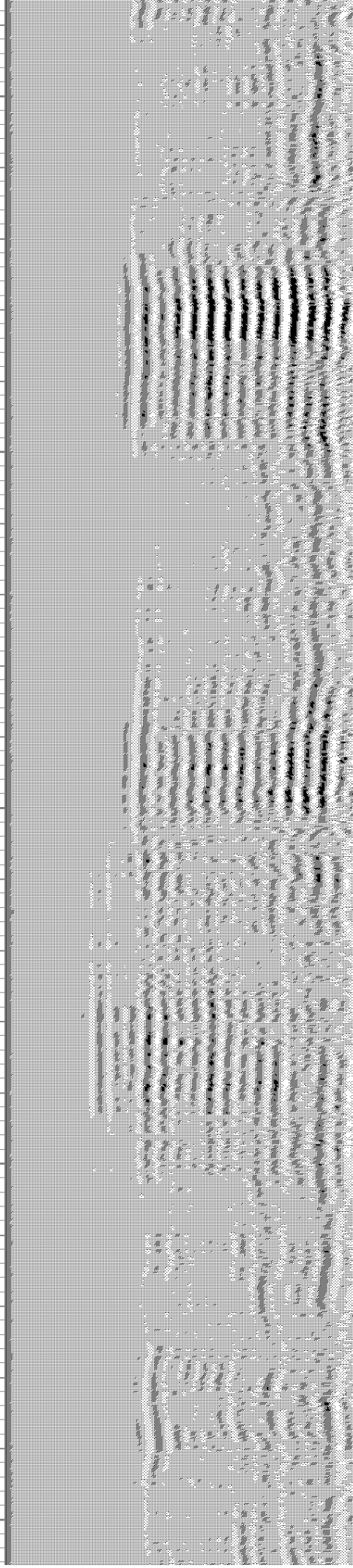
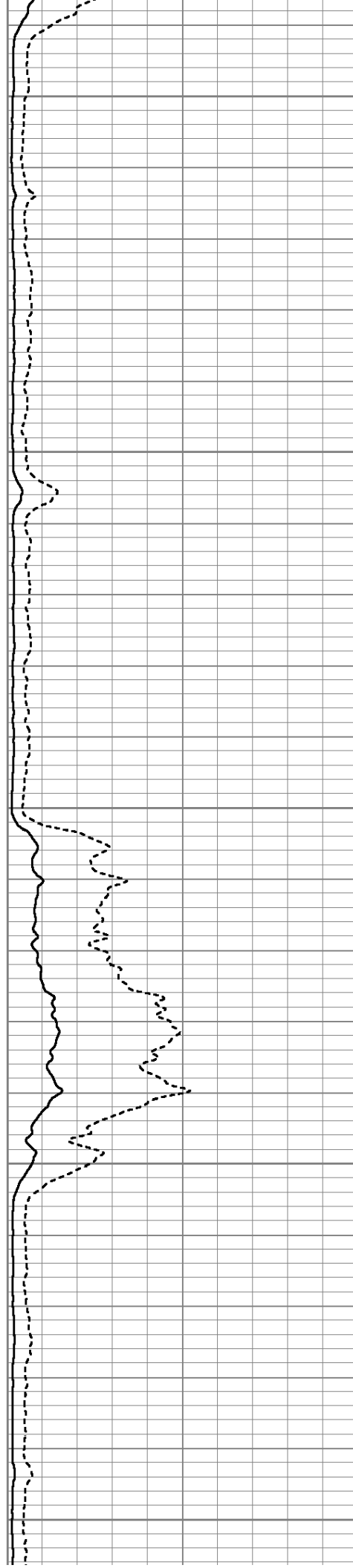
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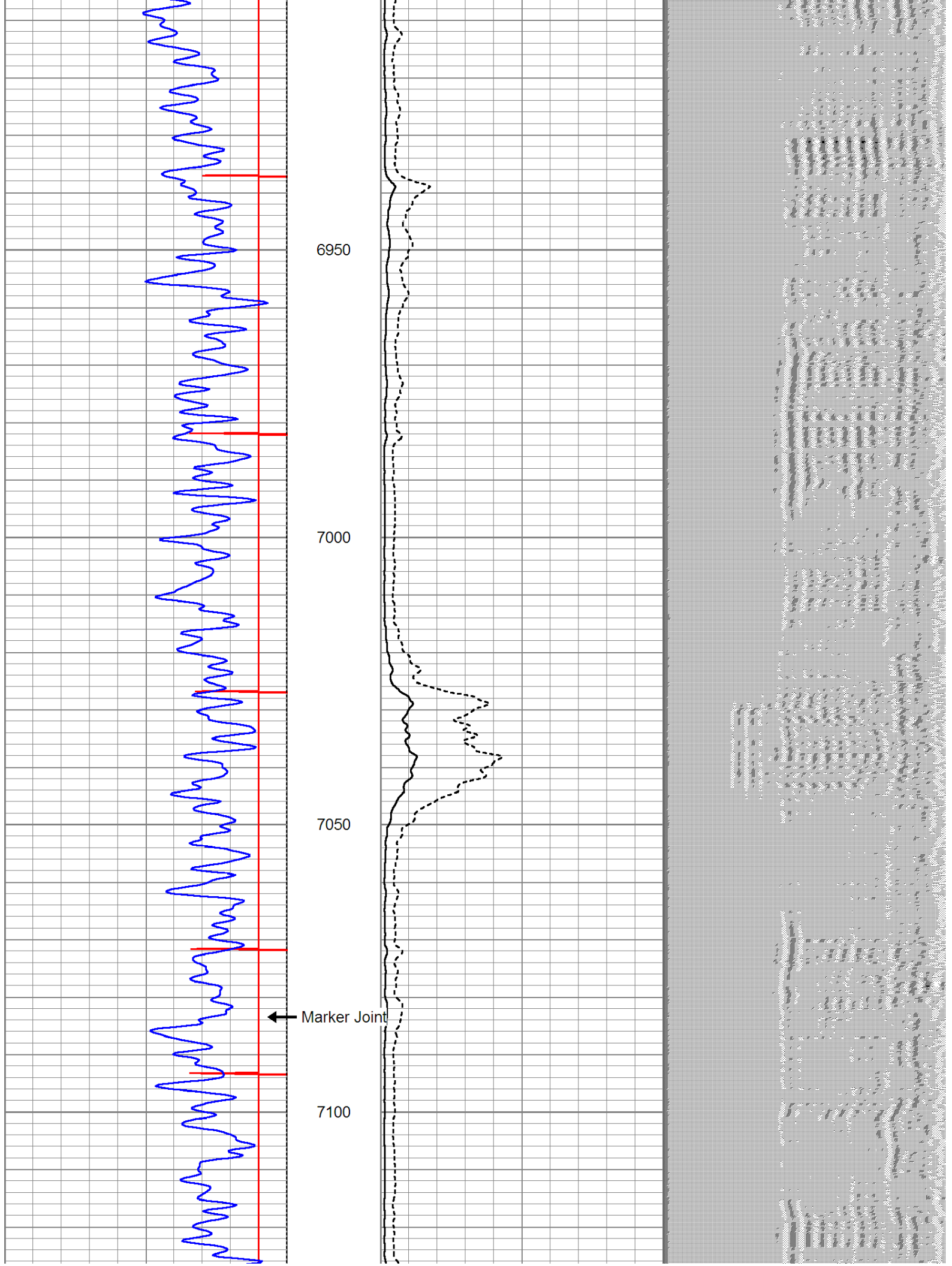
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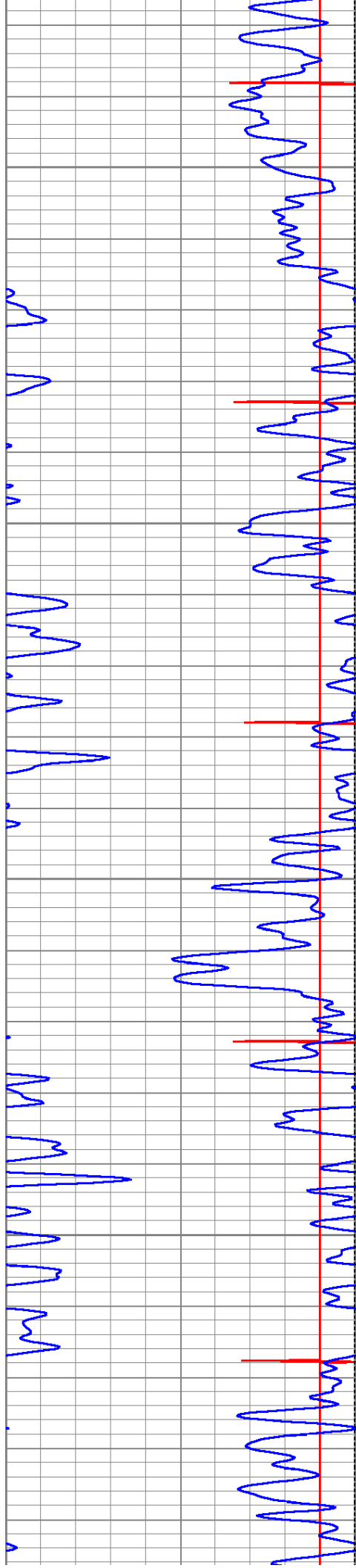
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