



**Cement Bond  
Variable Density Log  
W/ Gamma Ray/CCL**

Company	Bonanza Creek Energy	Company	Bonanza Creek Energy	Location:	API # : 05-123-36709	Other Services	
Well	Park 44-41-4HNB	Well	Park 44-41-4HNB	201' FSL & 1100' FEL		None	
Field	Wattenburg	Field	Wattenburg				
County	Weld	County	Weld				
State	Colorado	State	Colorado				
Permanent Datum		SEC 4	TWP 4 N	RGE 63 W	Elevation		
Log Measured From					K.B. 4638.5'		
Drilling Measured From					D.F. 4634.5'		
					G.L. 4626'		
Date	04-March-2013						
Run Number	One						
Depth Driller	11107'						
Depth Logger	6450'						
Bottom Logged Interval	6428'						
Top Log Interval	146'						
Open Hole Size	8 3/4"						
Type Fluid	Water						
Density / Viscosity	-						
Max. Recorded Temp.	-						
Estimated Cement Top	NA						
Time Well Ready	0800						
Time Logger on Bottom	0915						
Equipment Number	12029						
Location	Brighton, CO						
Recorded By	R.Grissom						
Witnessed By	Kurt Dodge						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
1	13.5"	Surface	760'				
2	8.75"	760'	6806'				
3	6.125"	6806'	11126'				
Casing Record	Size	Wgt/Ft		Top	Bottom		
Surface String	9 5/8"	36#		Surface	760'		
Prot. String							
Production String	7"	26#		Surface	6806'		
Liner	4.5"	11 6#		6706'	11126'		
Short Joint							

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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

Well logged using 15' KB

Main Pass and Repeat Pass logged with zero pressure on Wellbore.

Your Crew Today. R.Grissom, C.Rall, C.Medina, R.Anderson

Thank You for using Allied Wireline

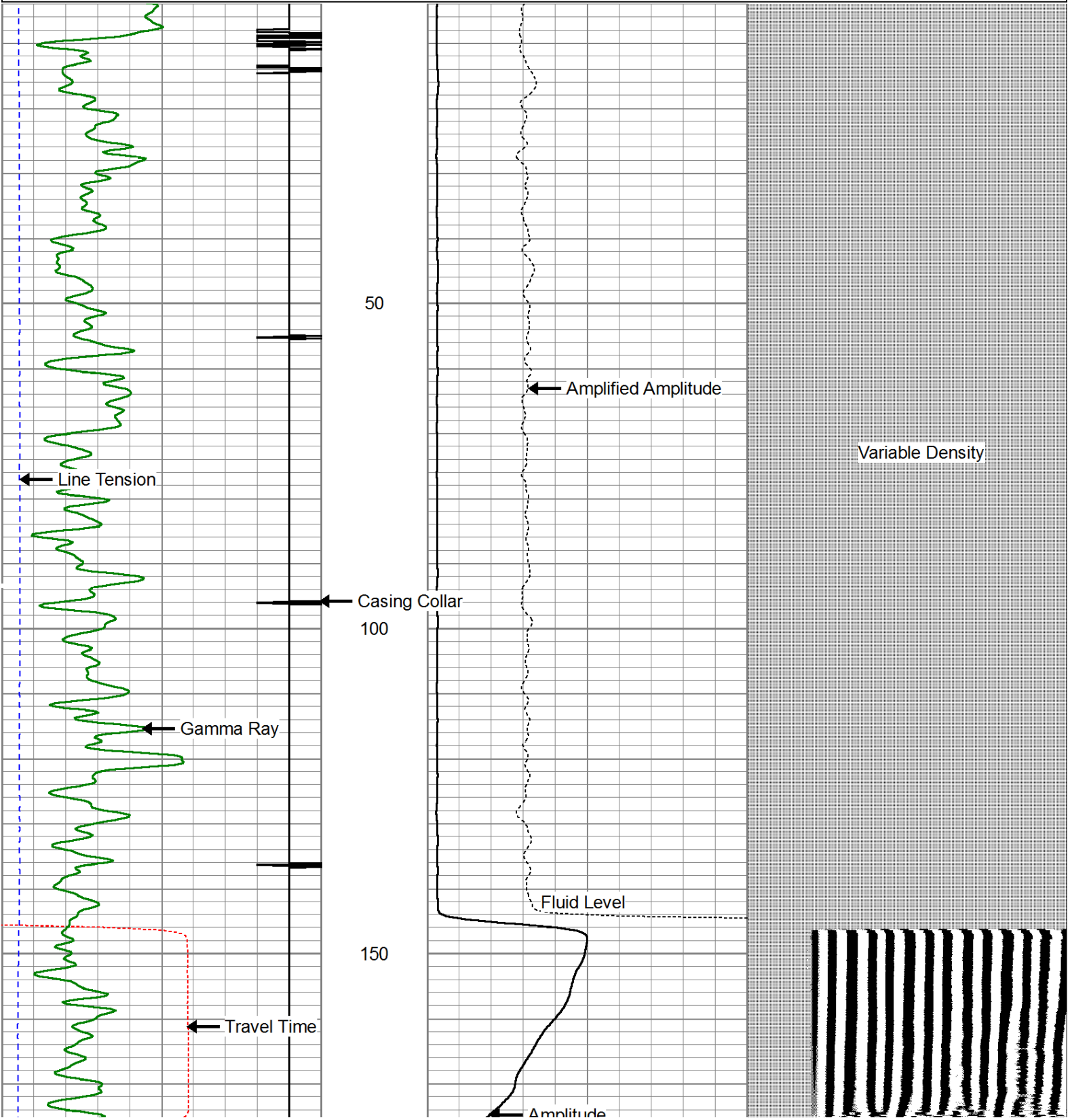
(303) 659-4609

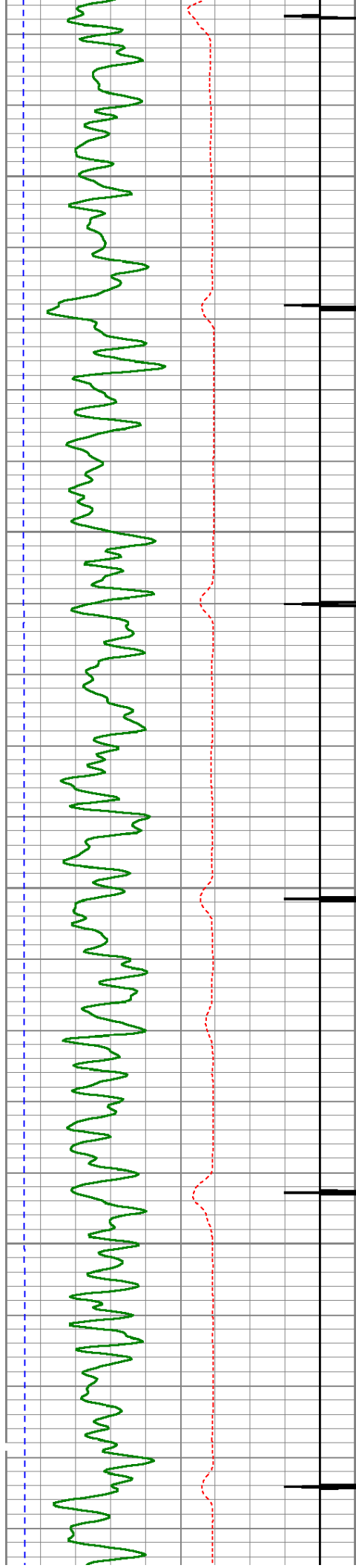


Main Pass ( 0 PSI )

Database File: bonanza\_creek\_park\_44\_41\_4hnb.db  
Dataset Pathname: pass9  
Presentation Format: cblprobe  
Dataset Creation: Mon Mar 04 10:44:30 2013 by Calc SCH 120126  
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	Amplitude (mV)	100	200	Variable Density	1200
9	Collar Locator	-1	0	Amplified Amplitude (mV)	10			
0	GR (GAPI)	150						
0	Line Tension (lb)	5000						



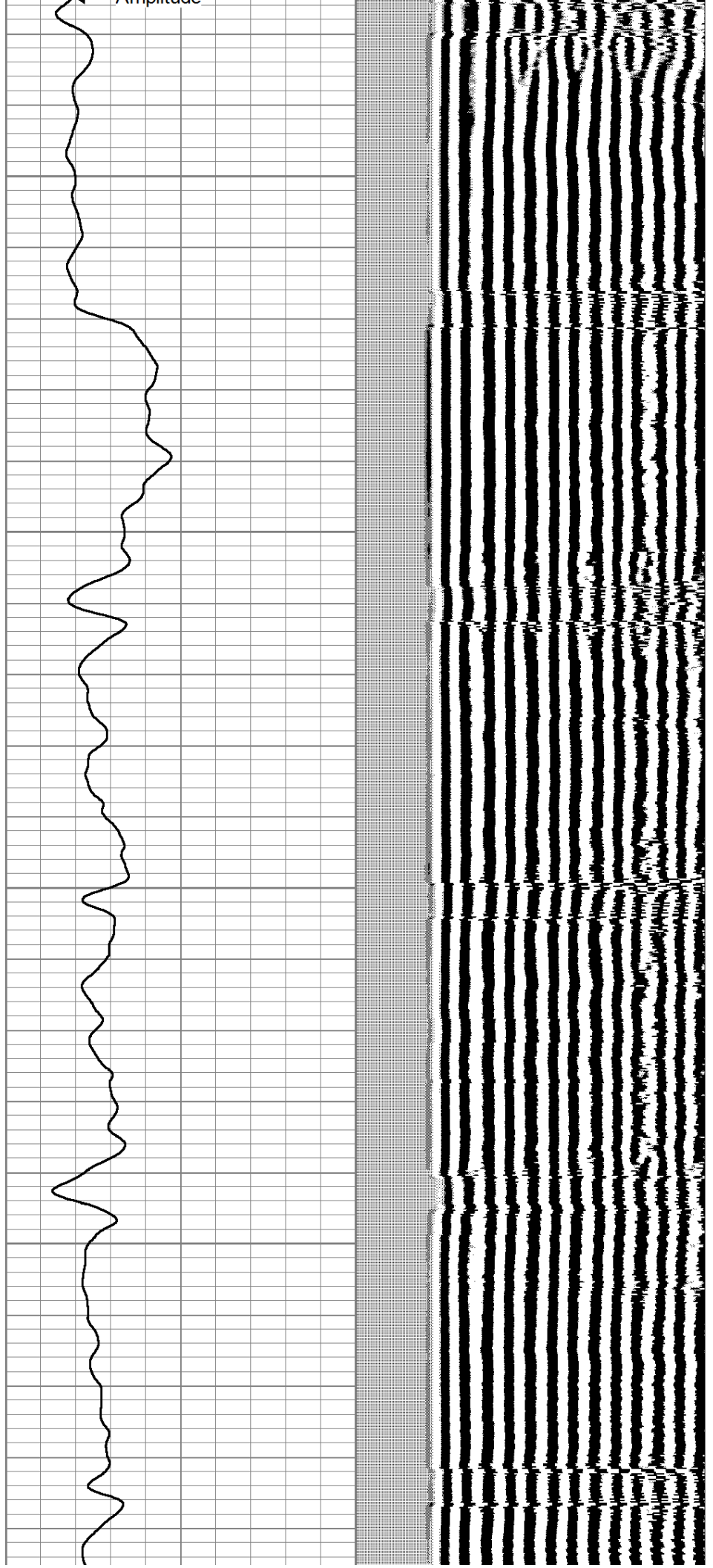


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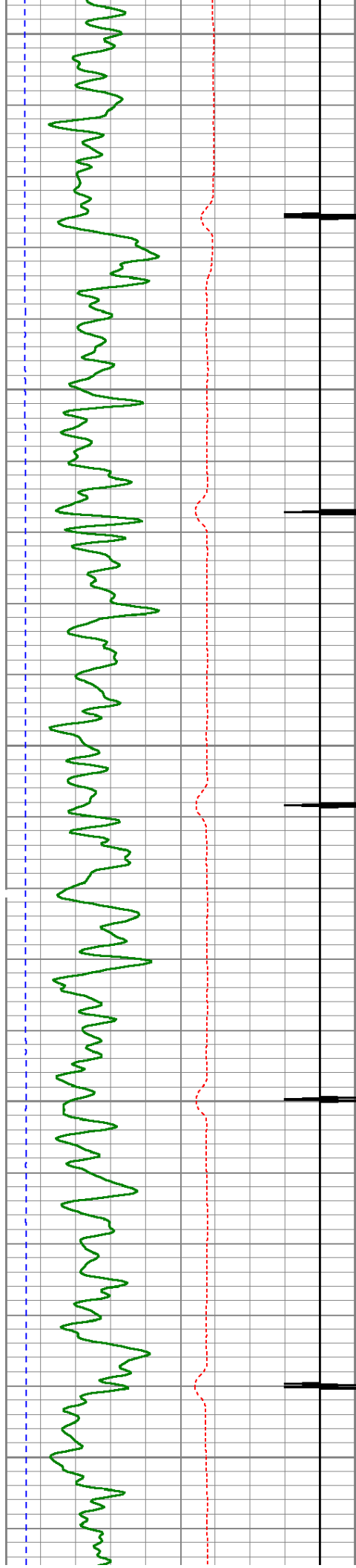
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300

350







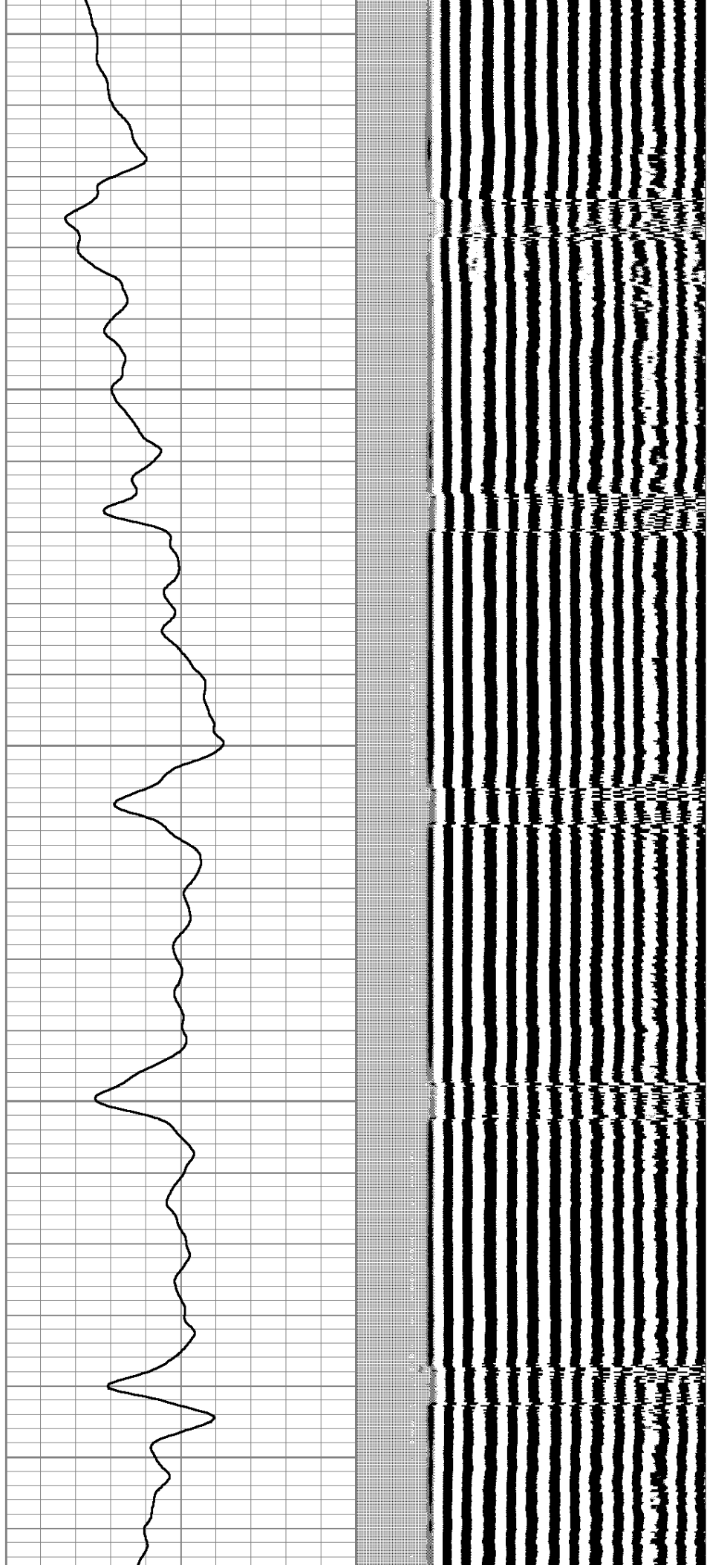
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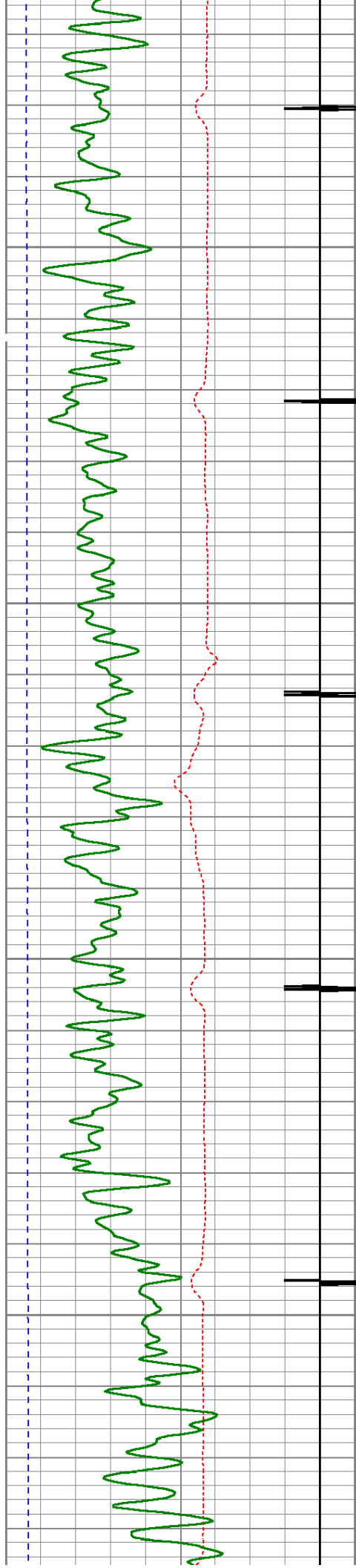
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500

550

600



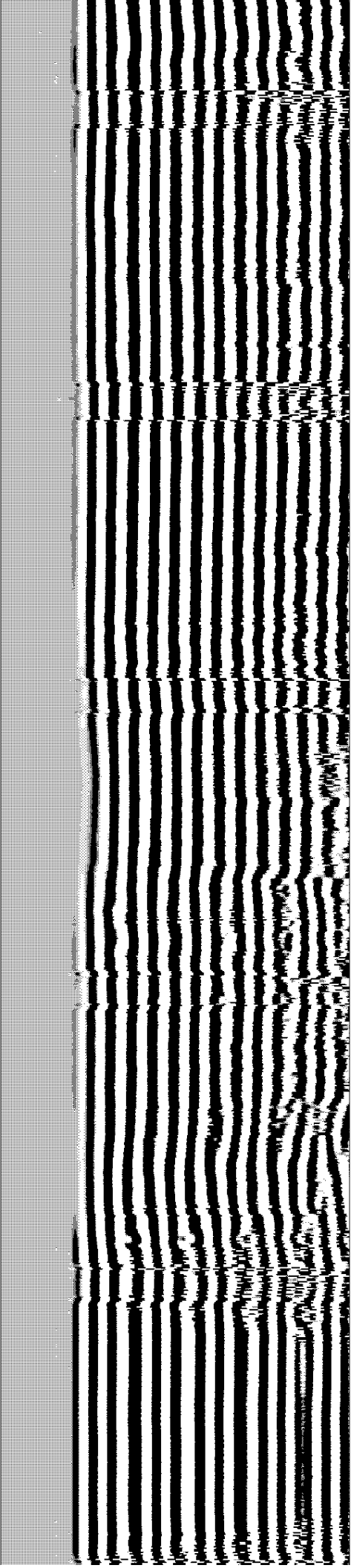
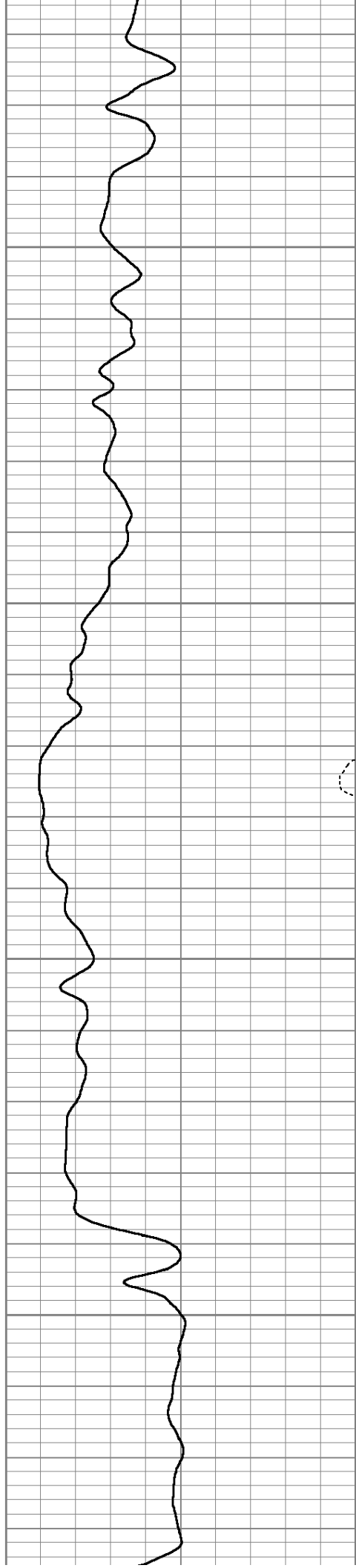


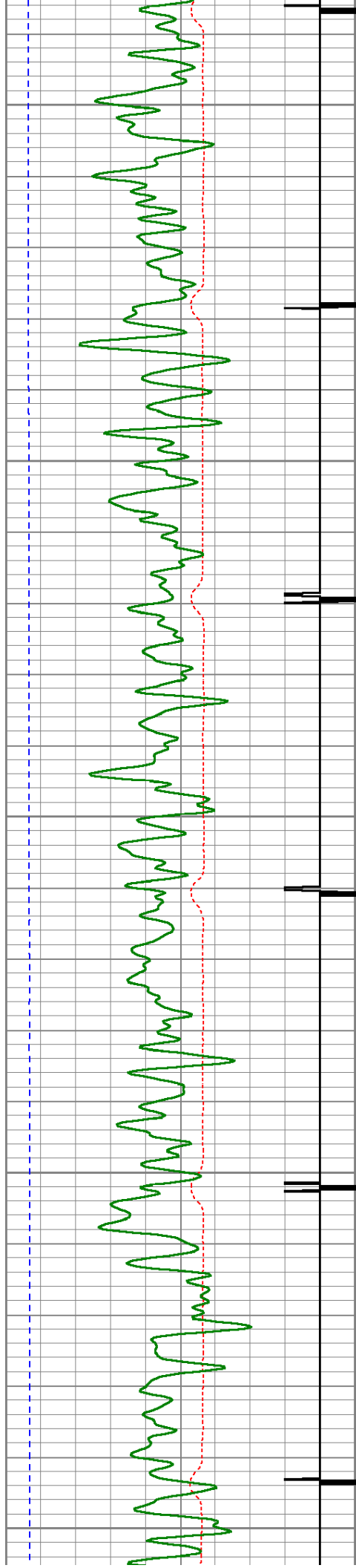
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700

750

800





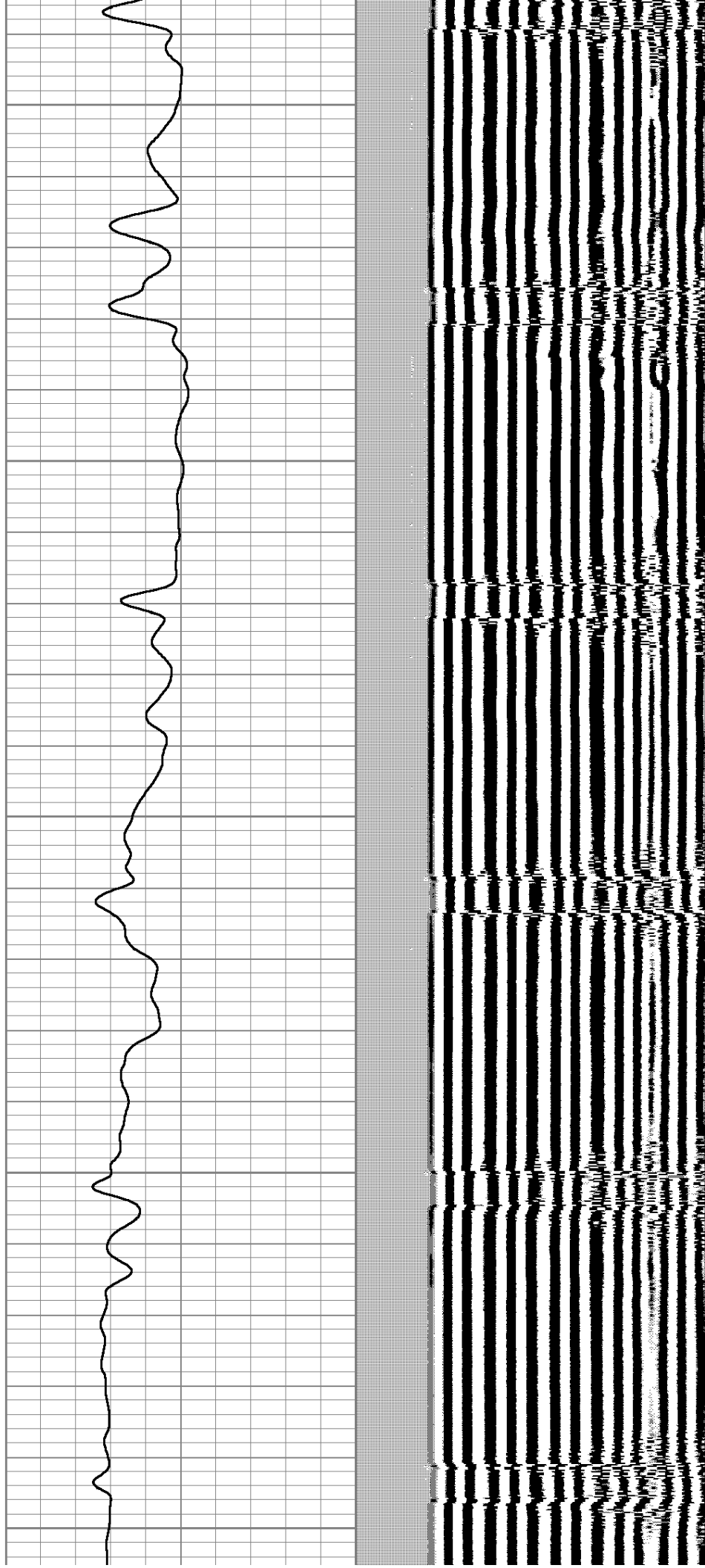
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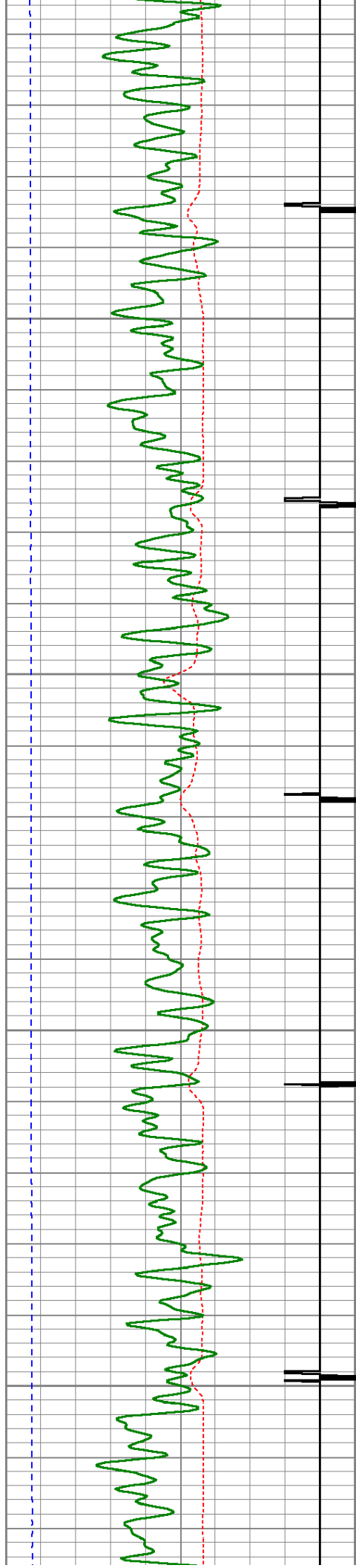
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1000

1050





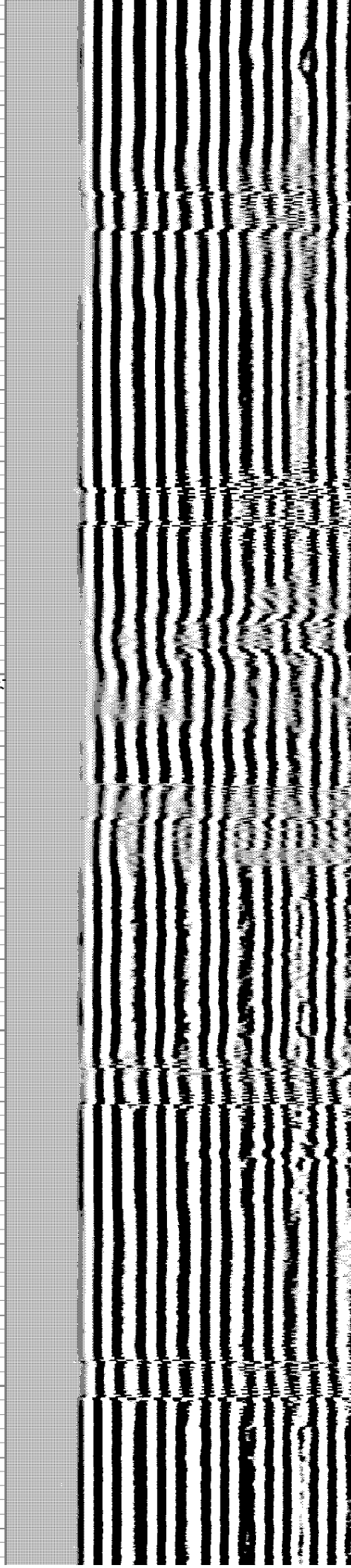
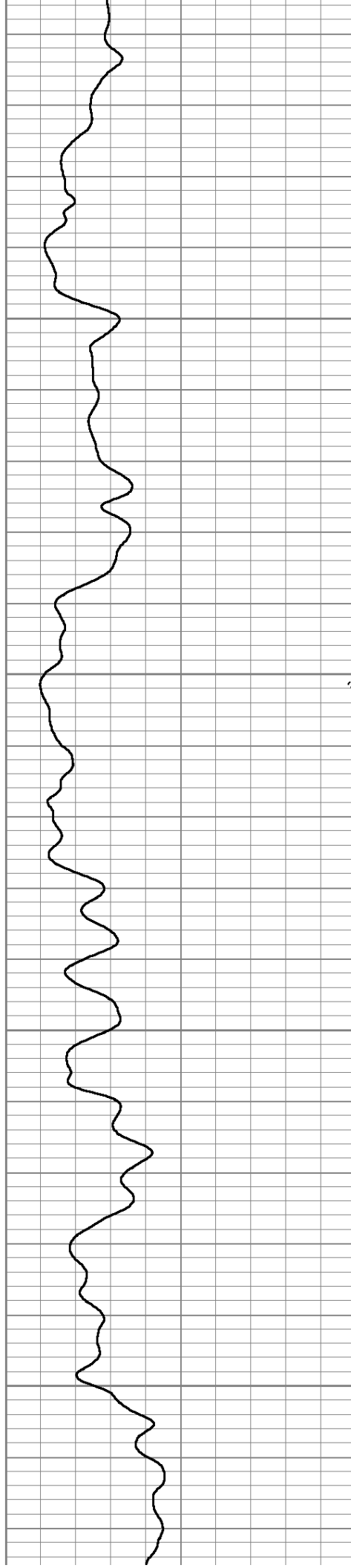


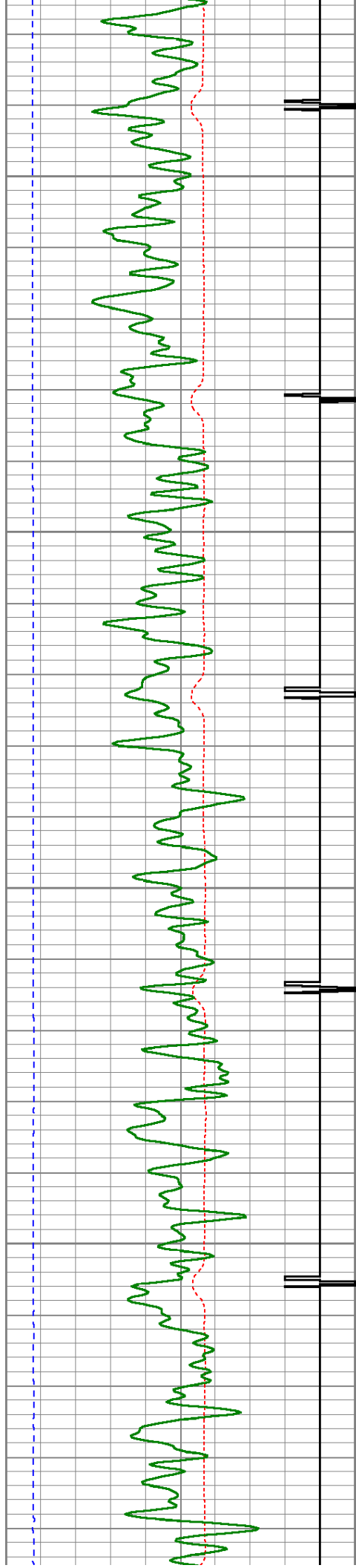
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1150

1200

1250



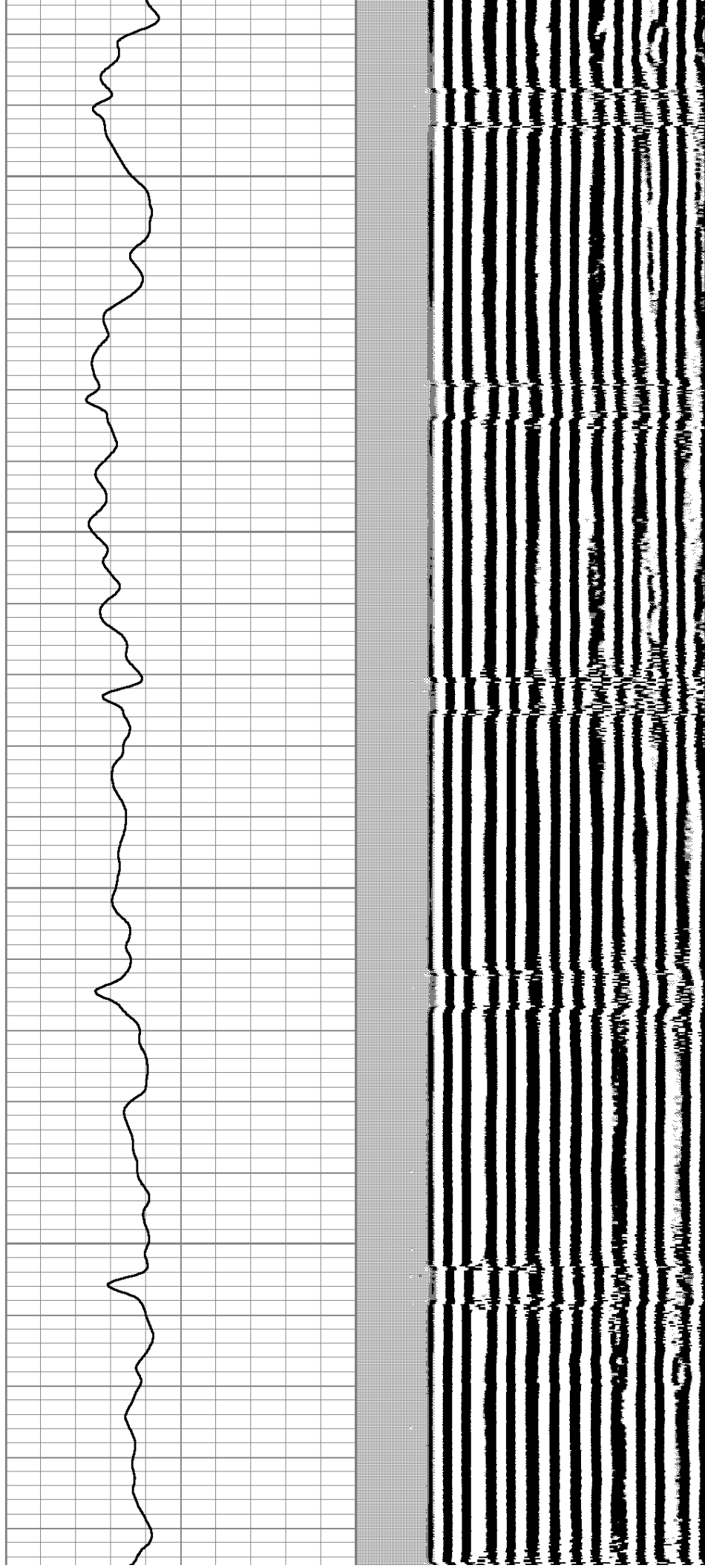


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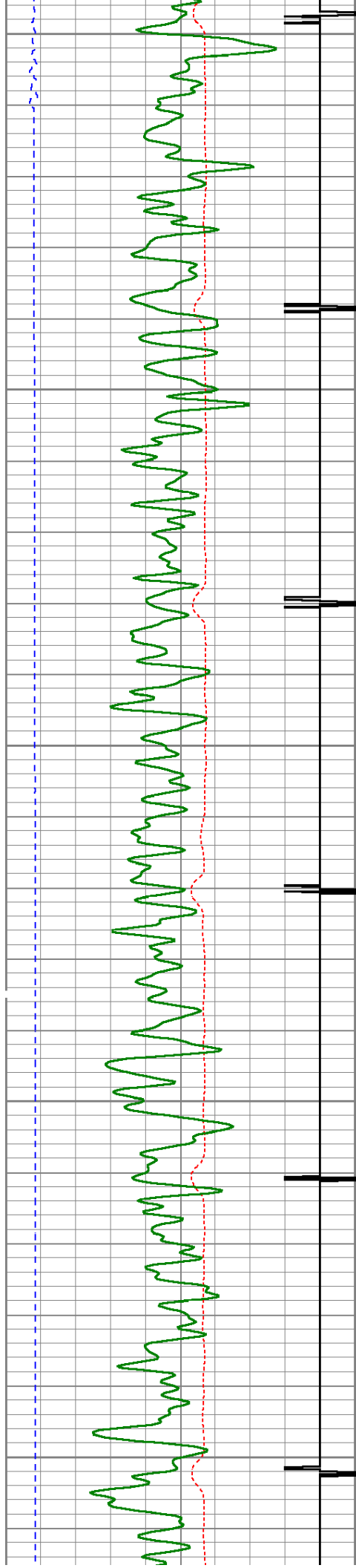
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1400

1450







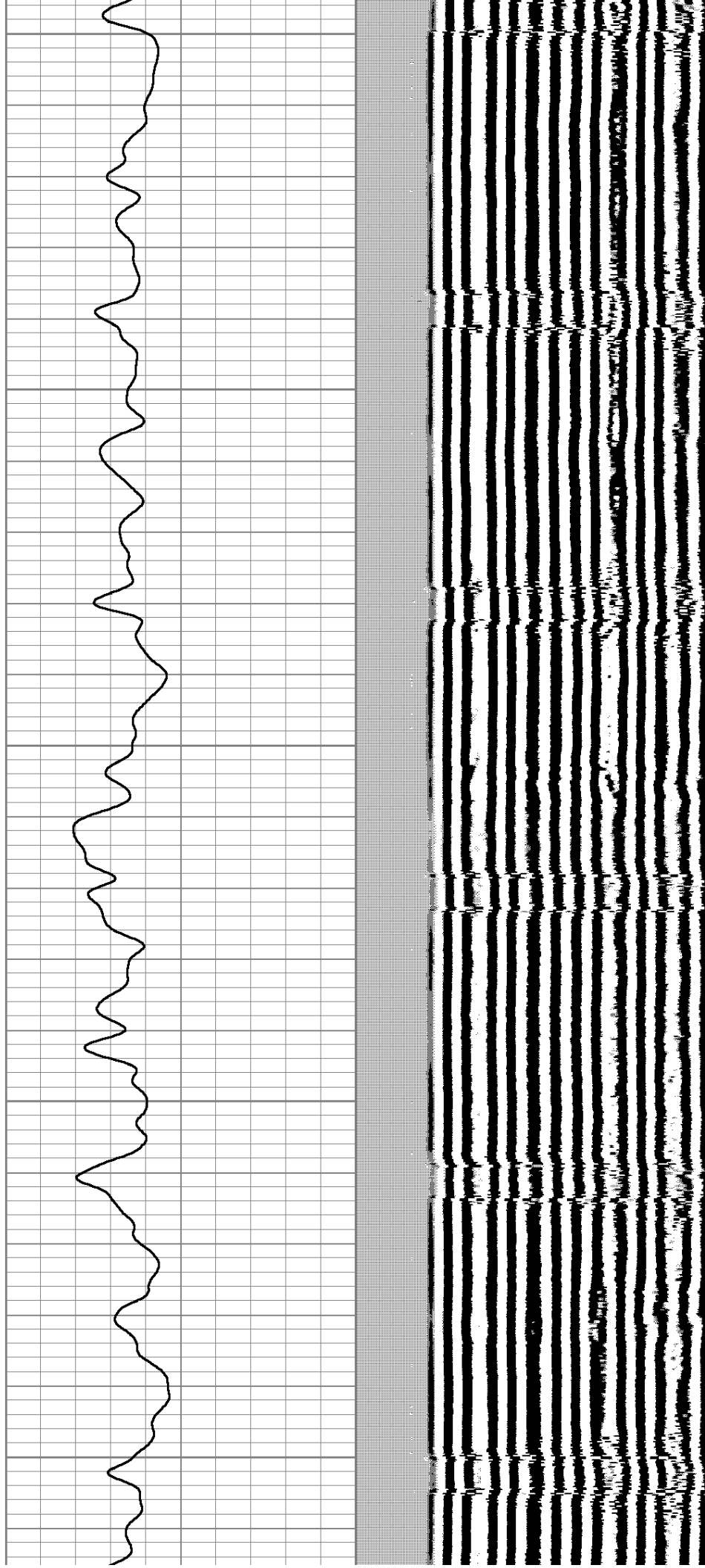
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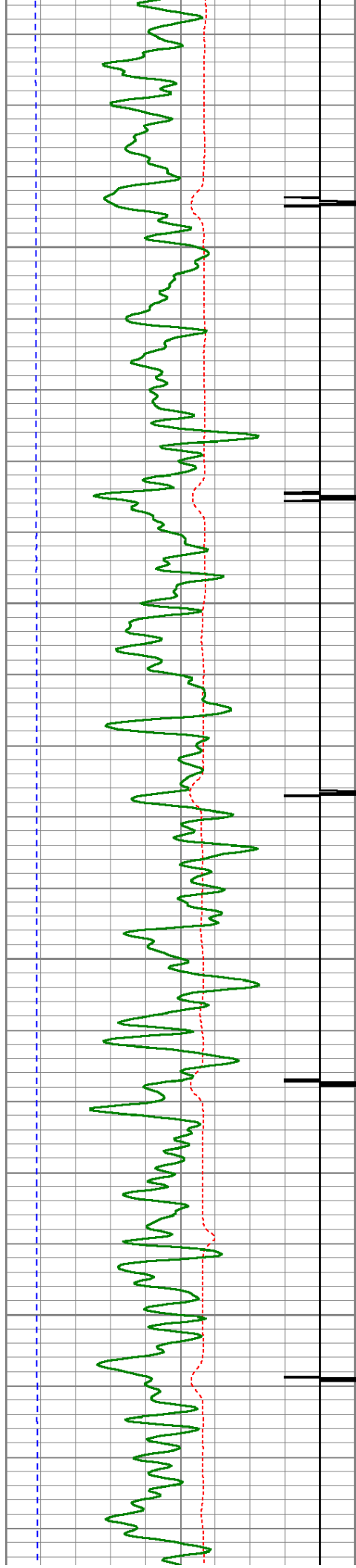
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1650

1700



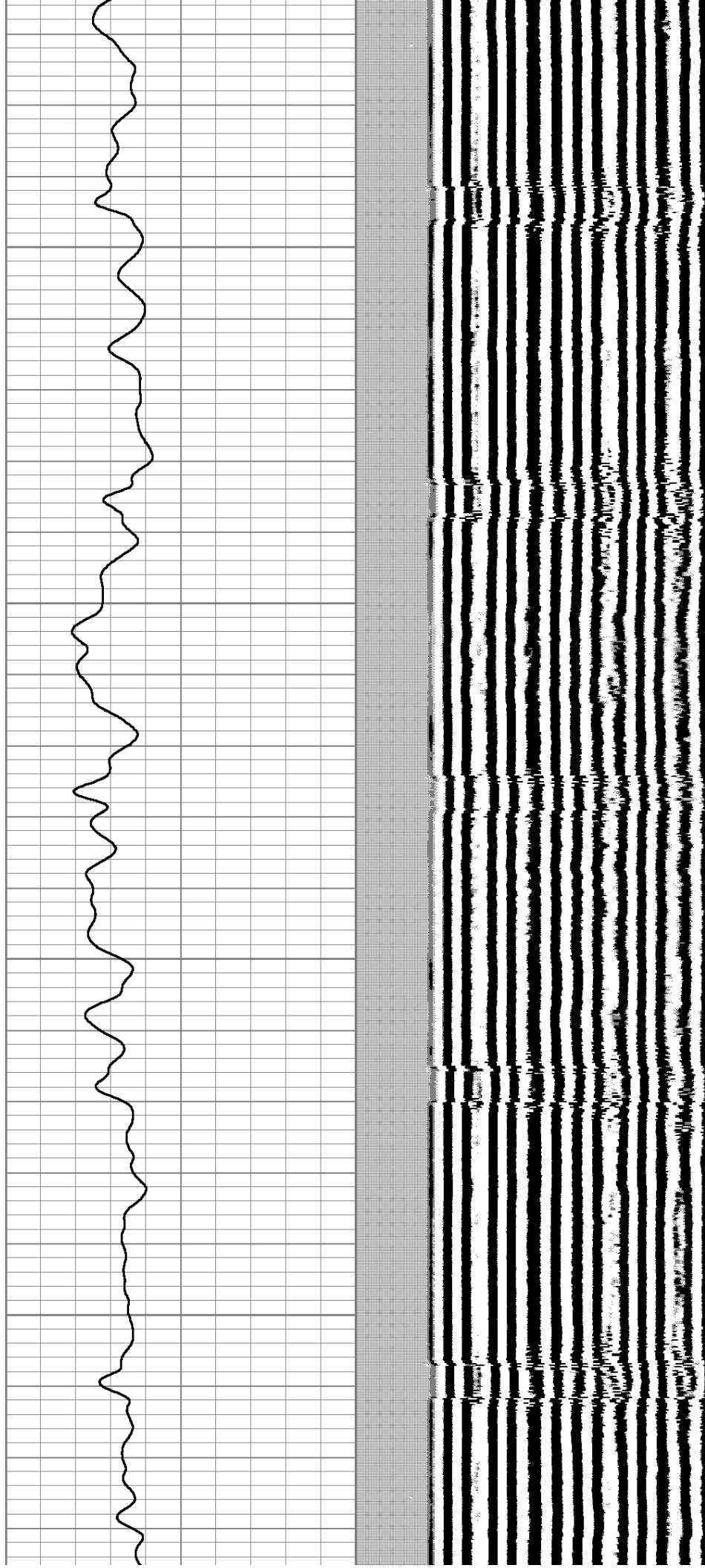


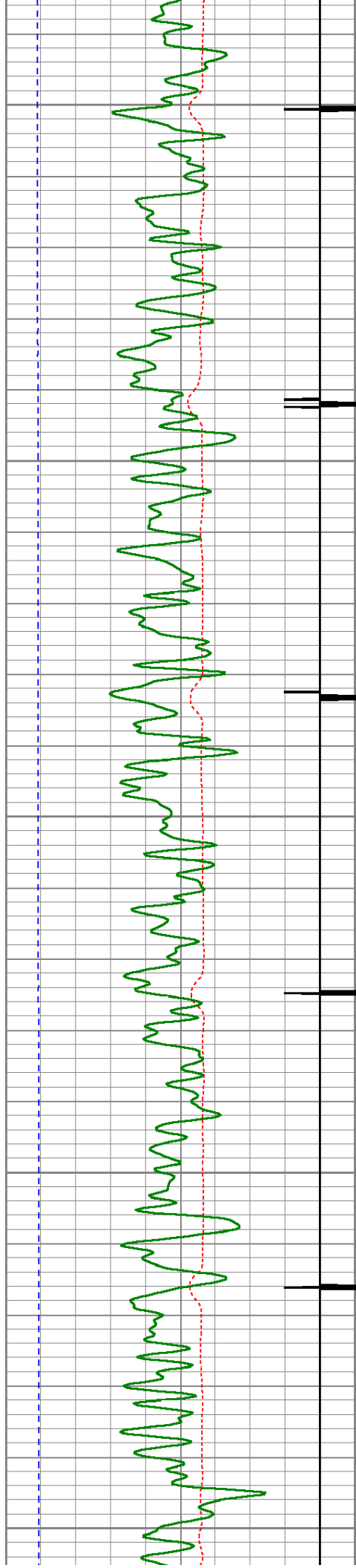
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1900





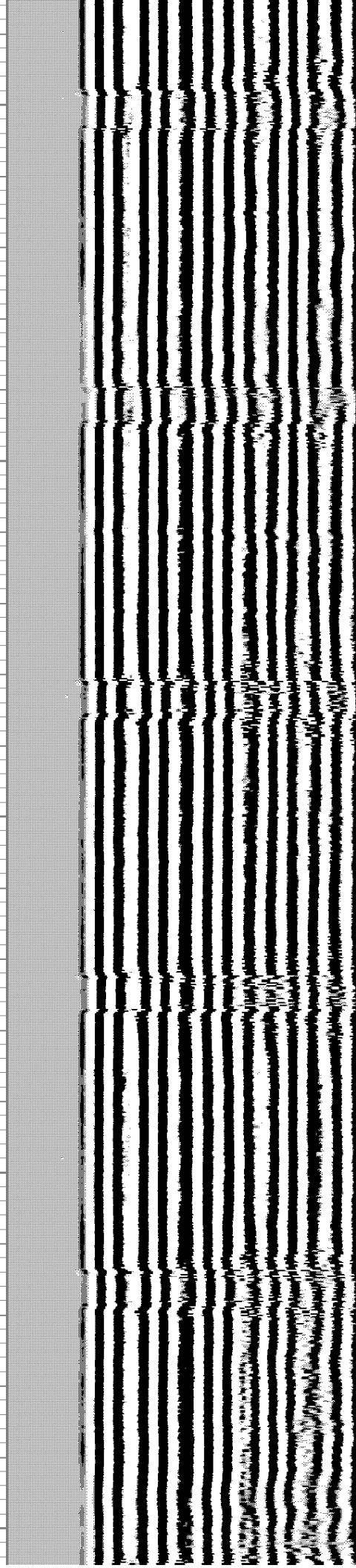
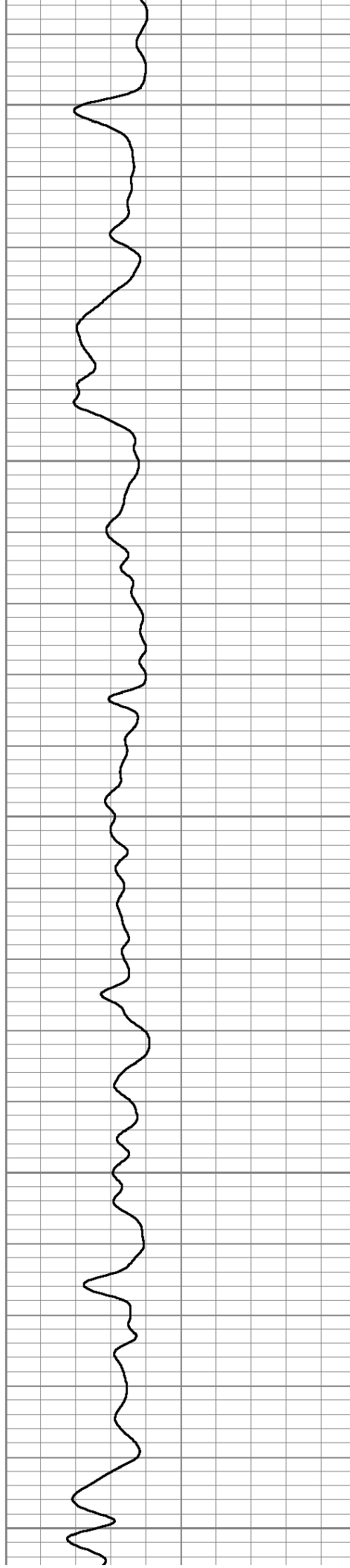
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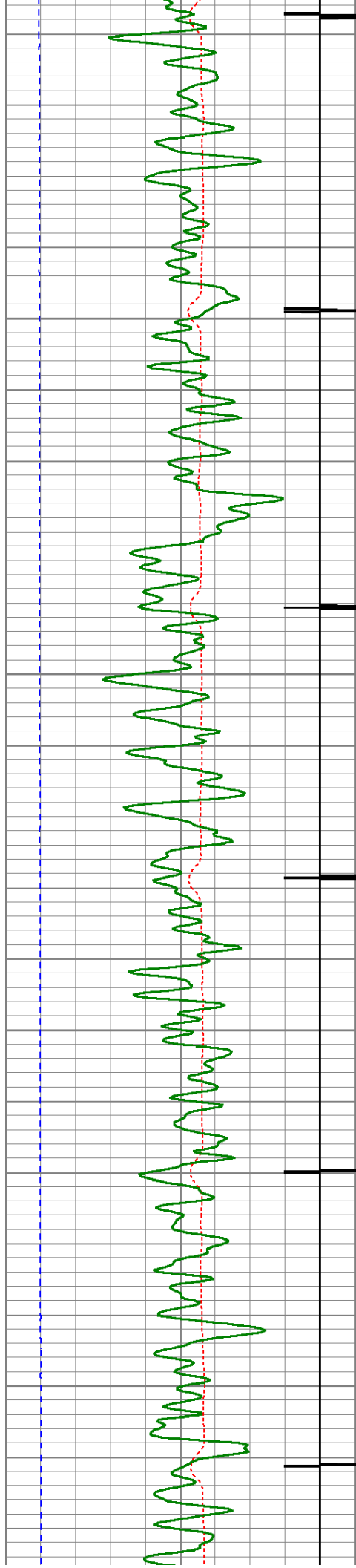
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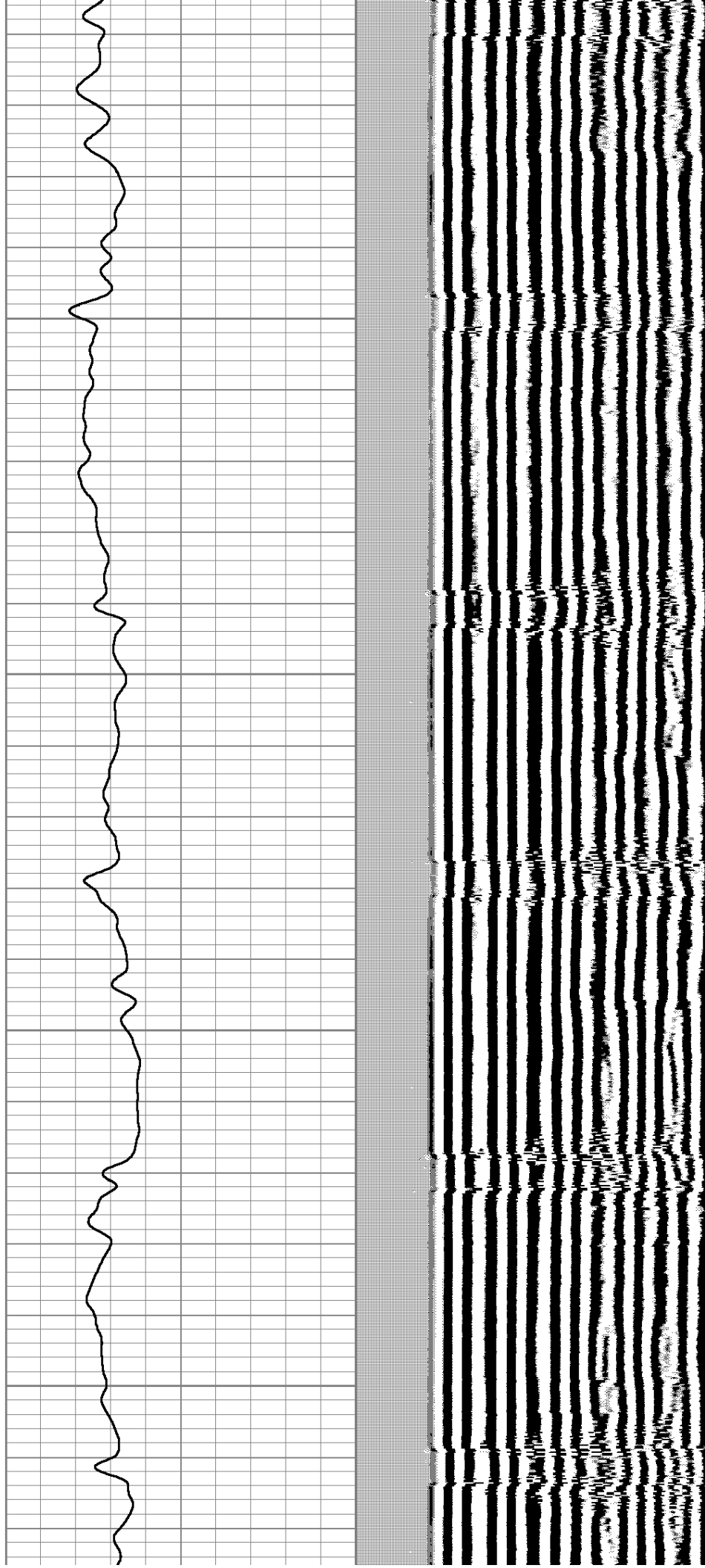


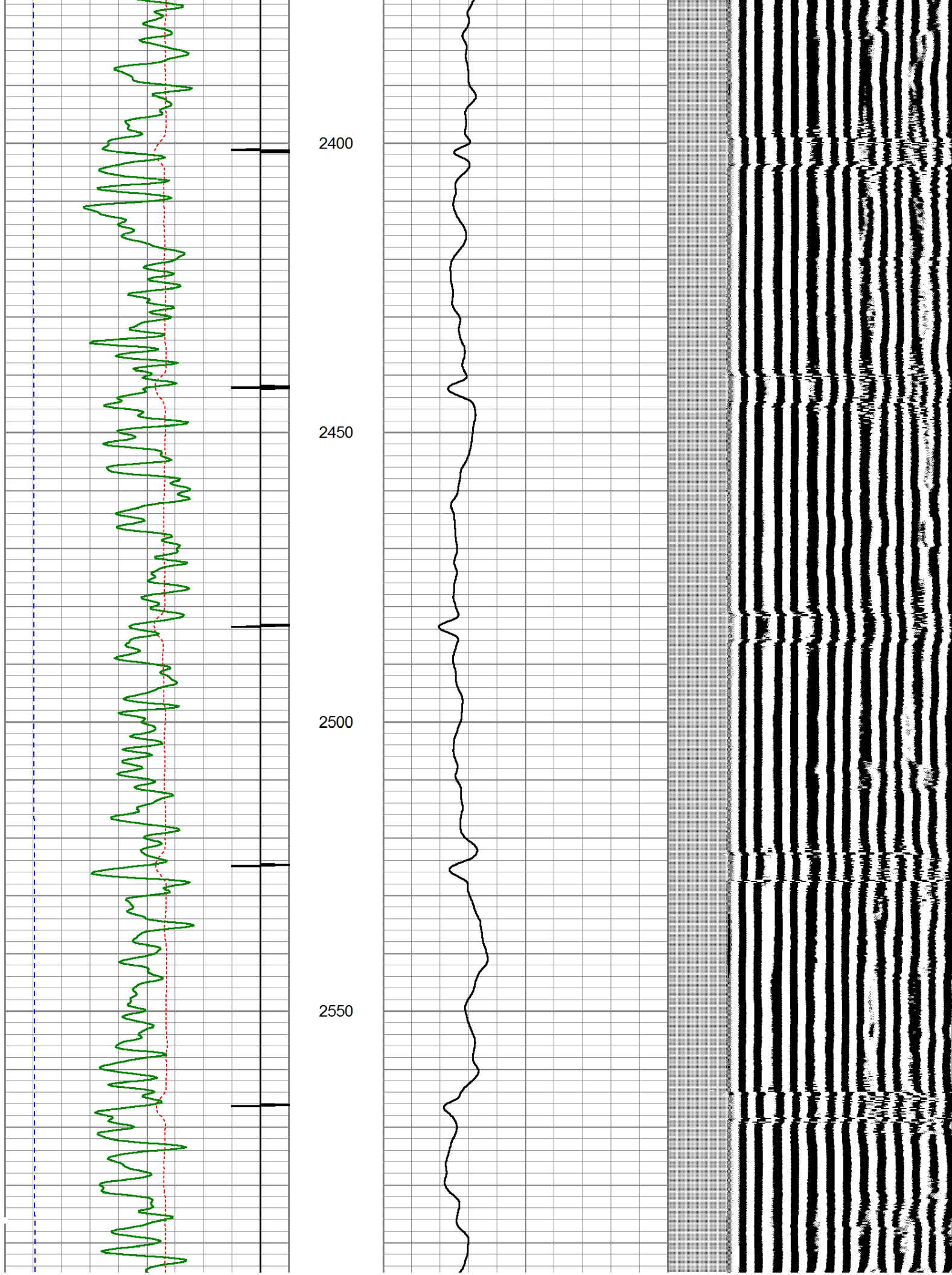
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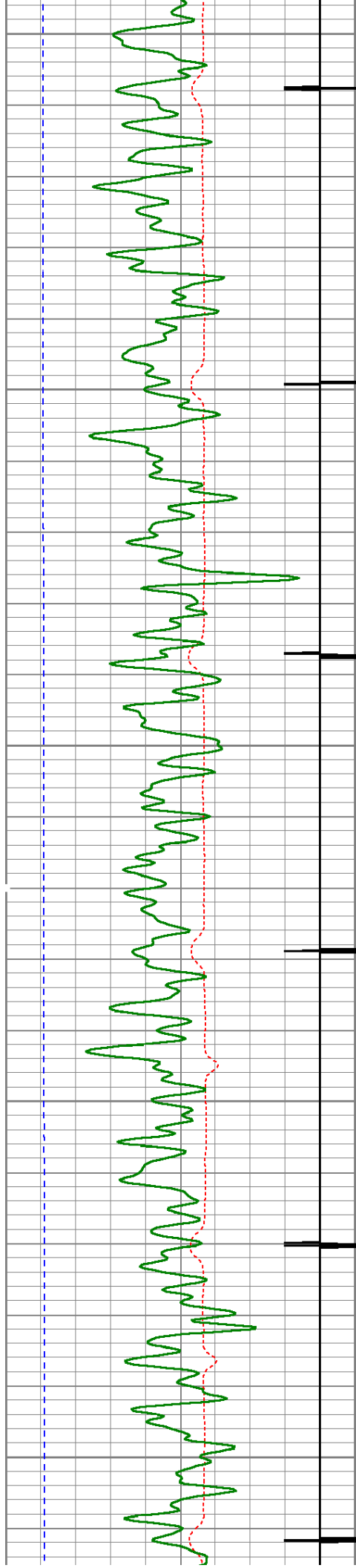
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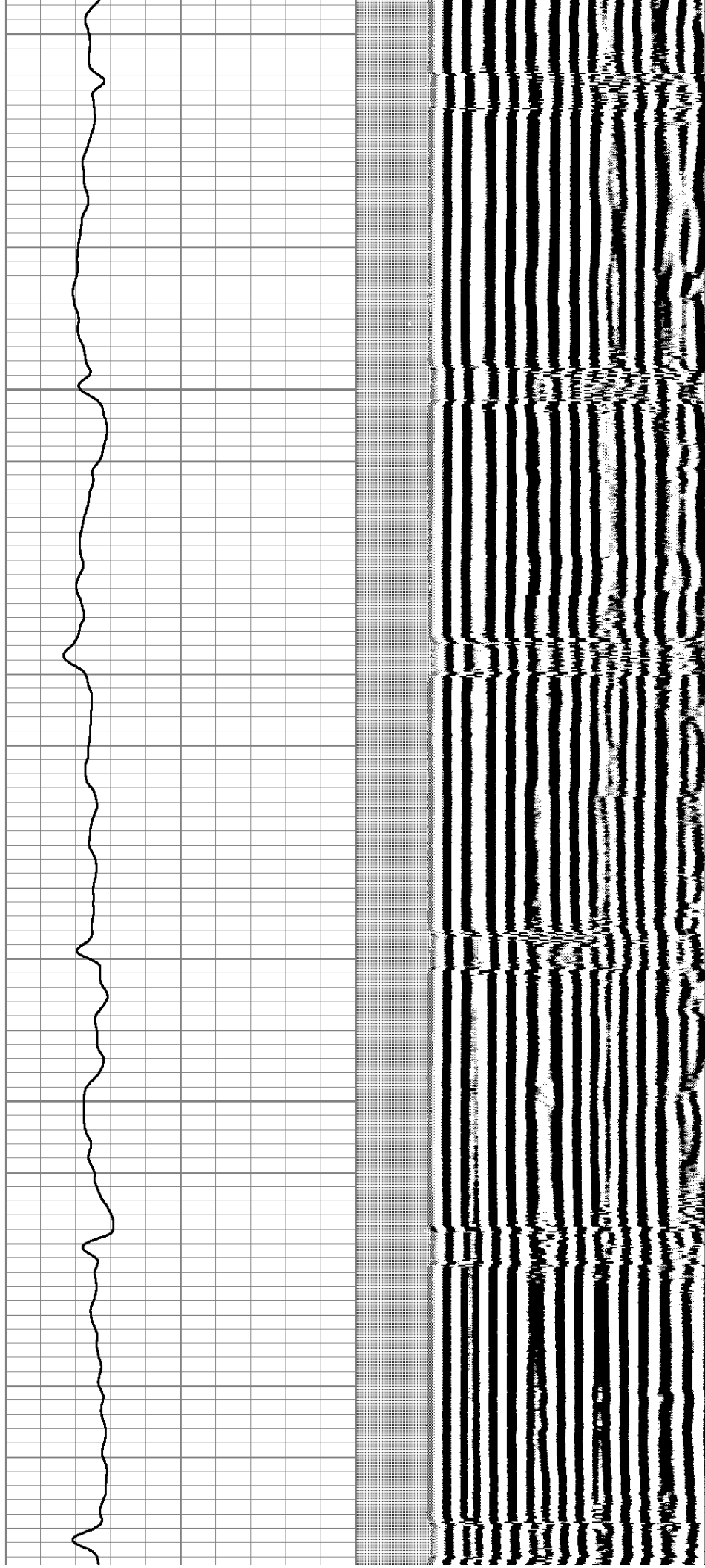
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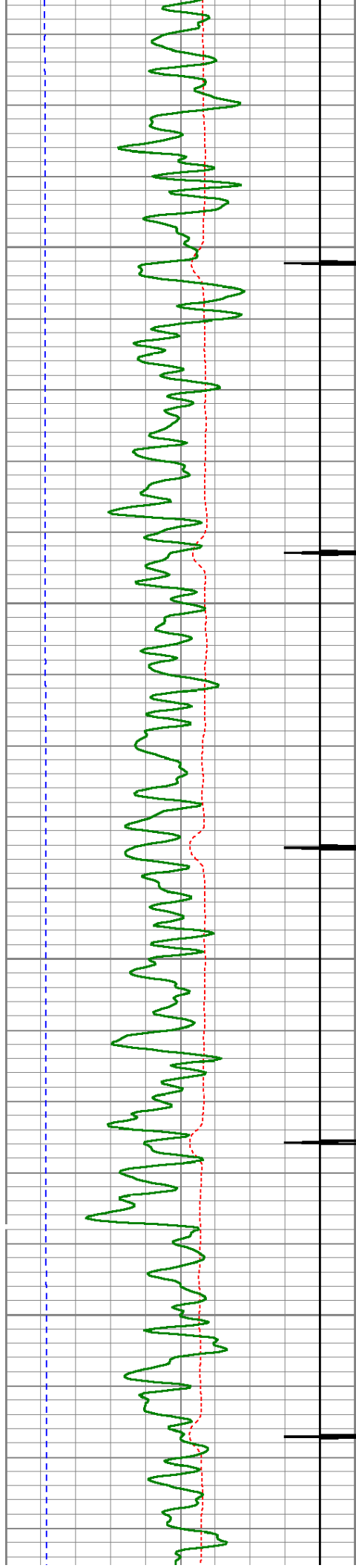
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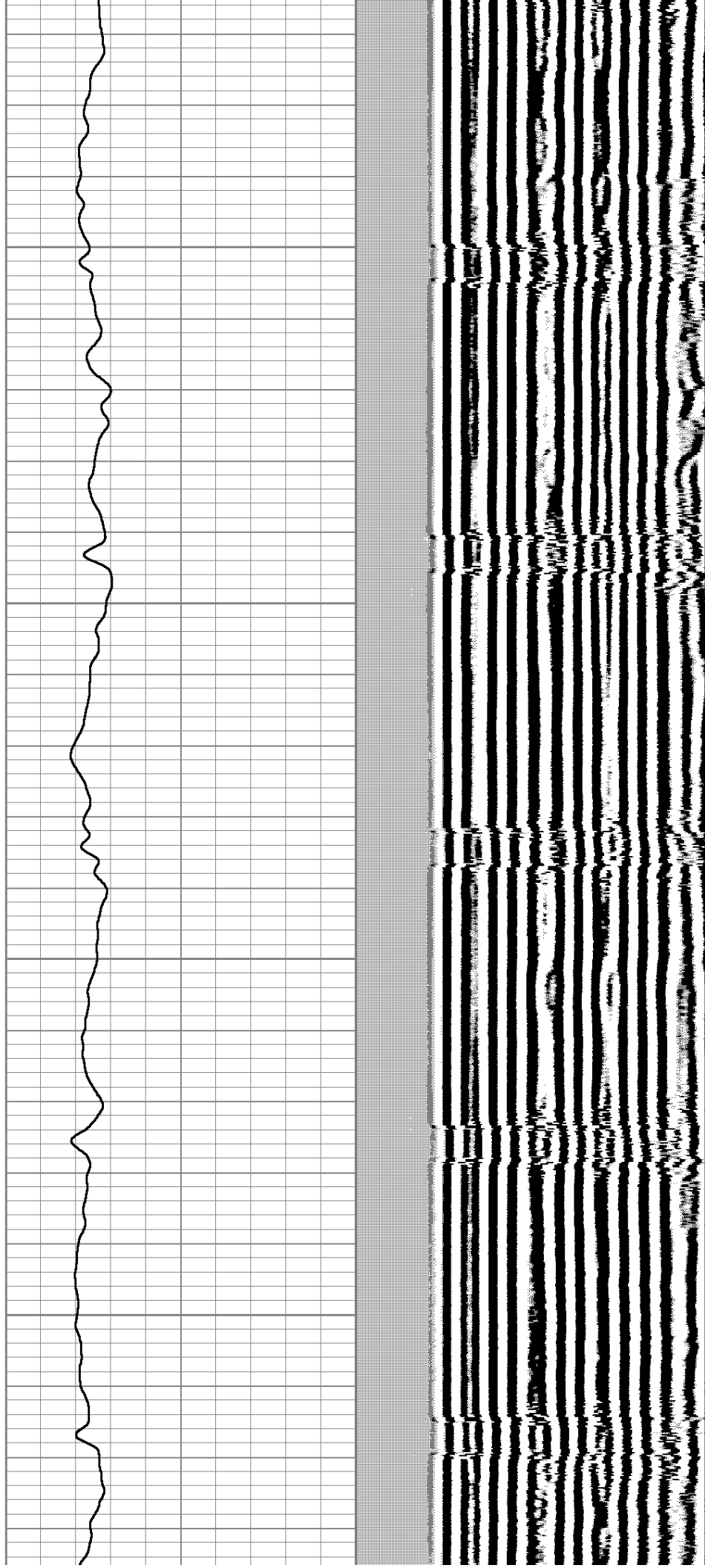


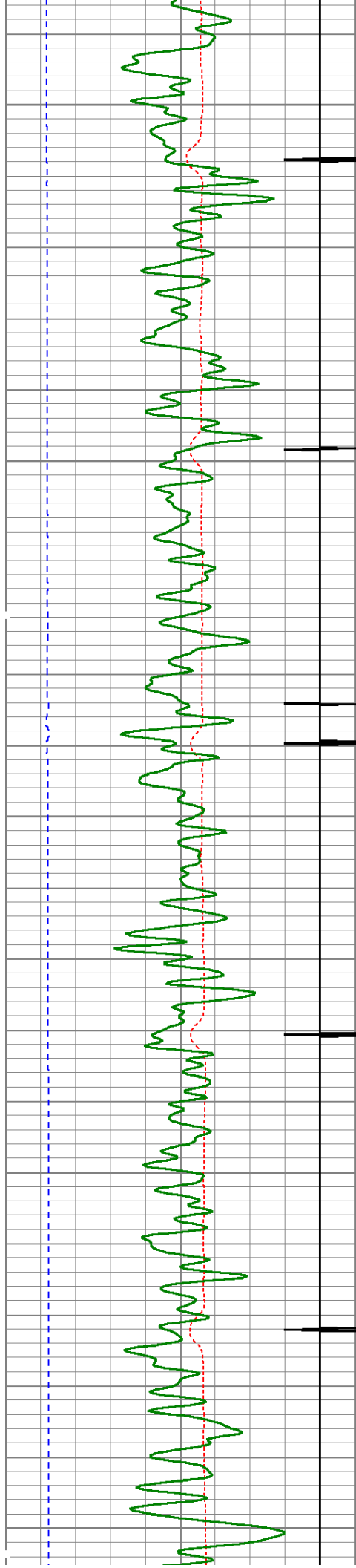
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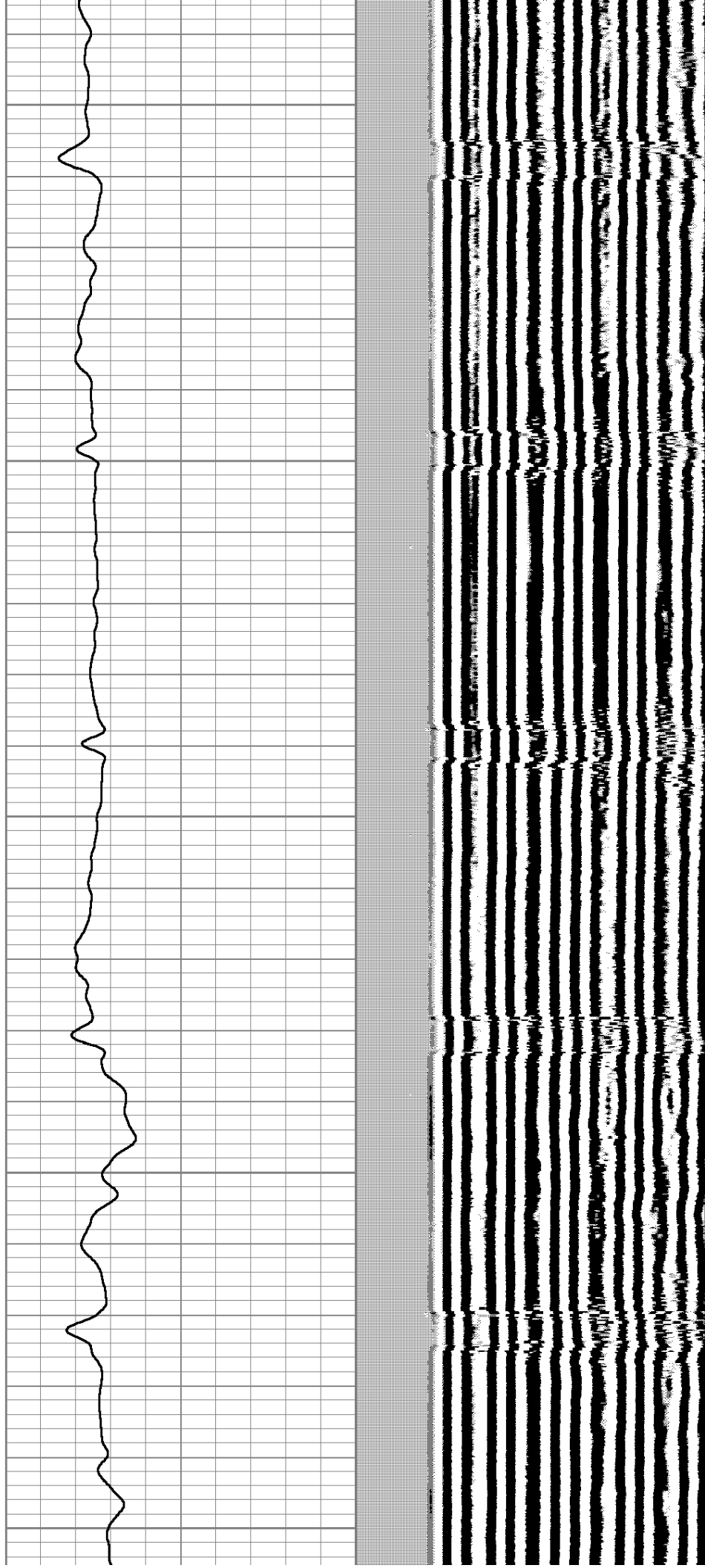
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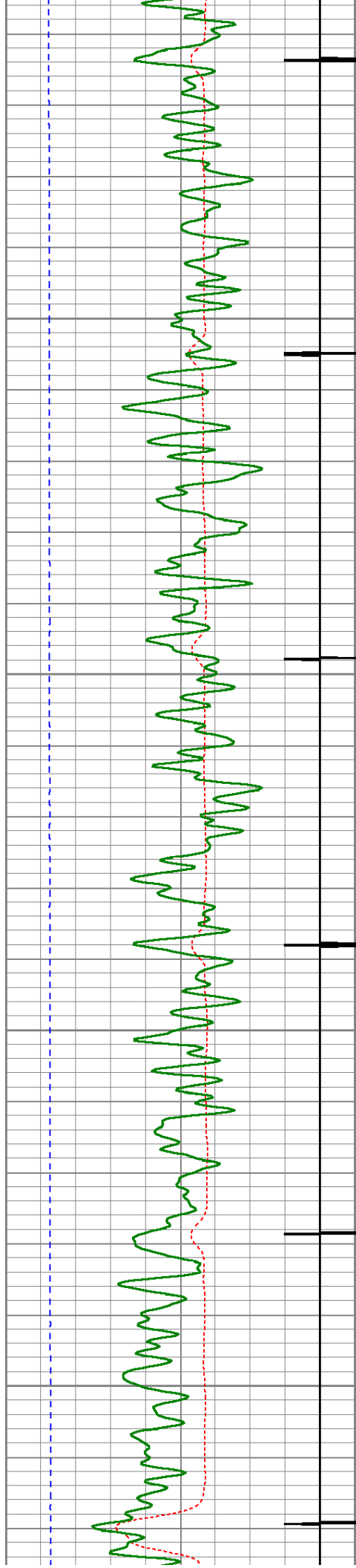
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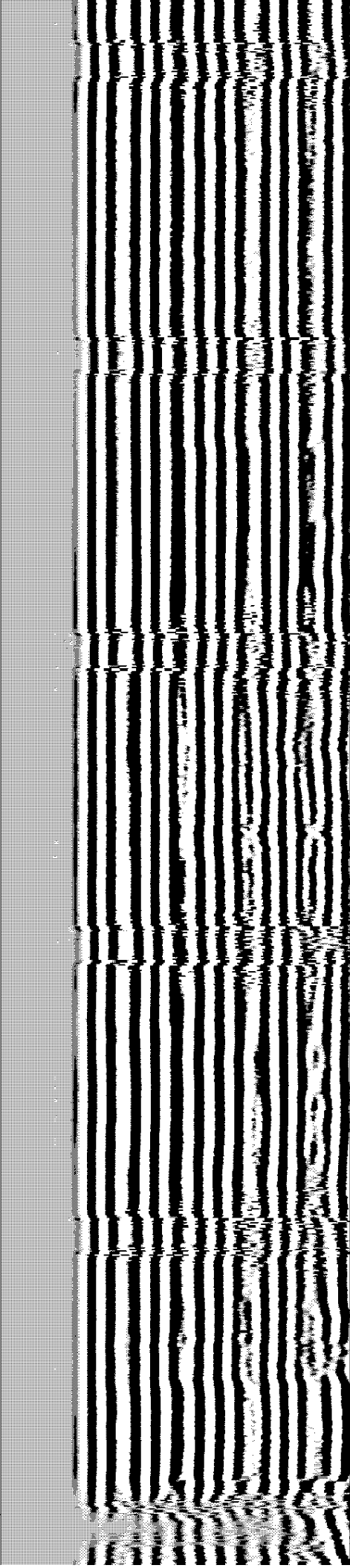
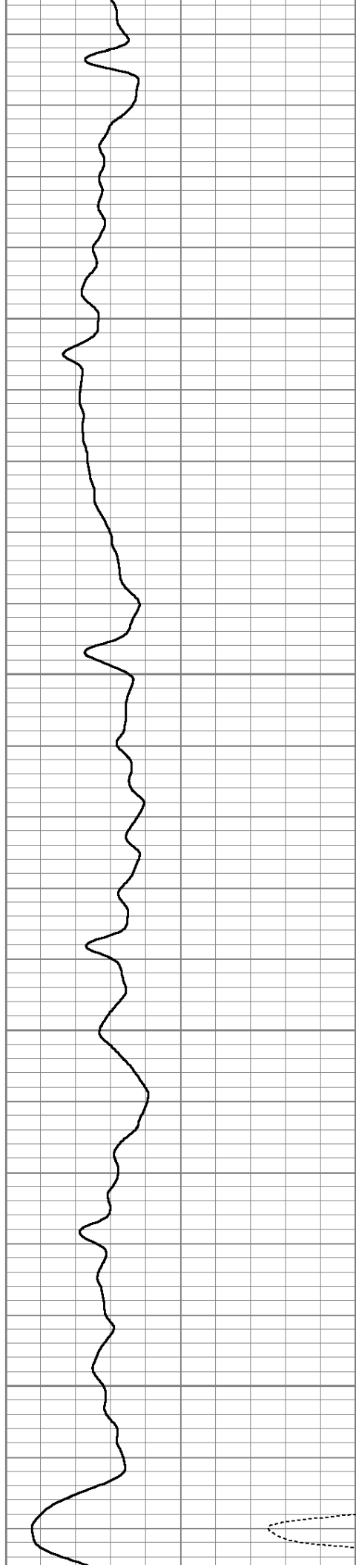


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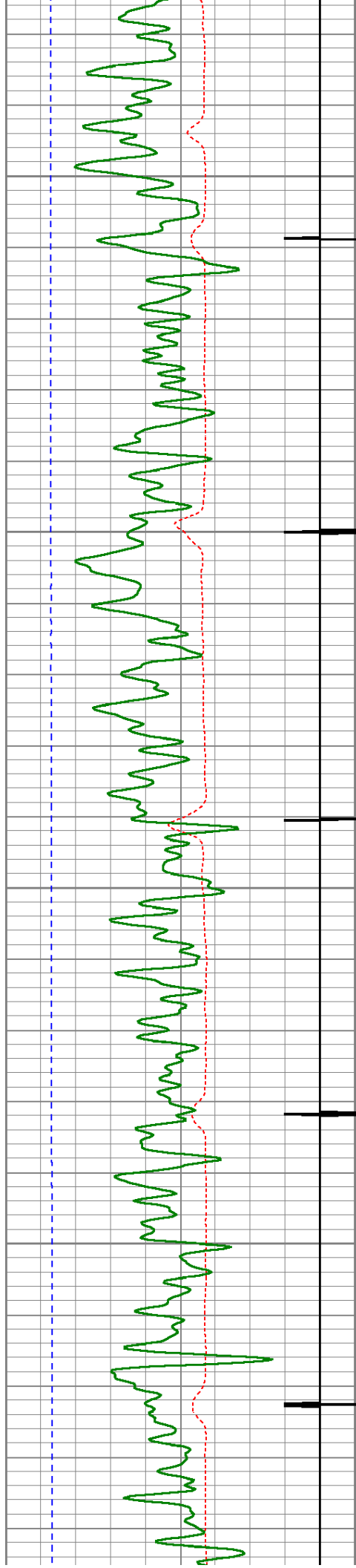
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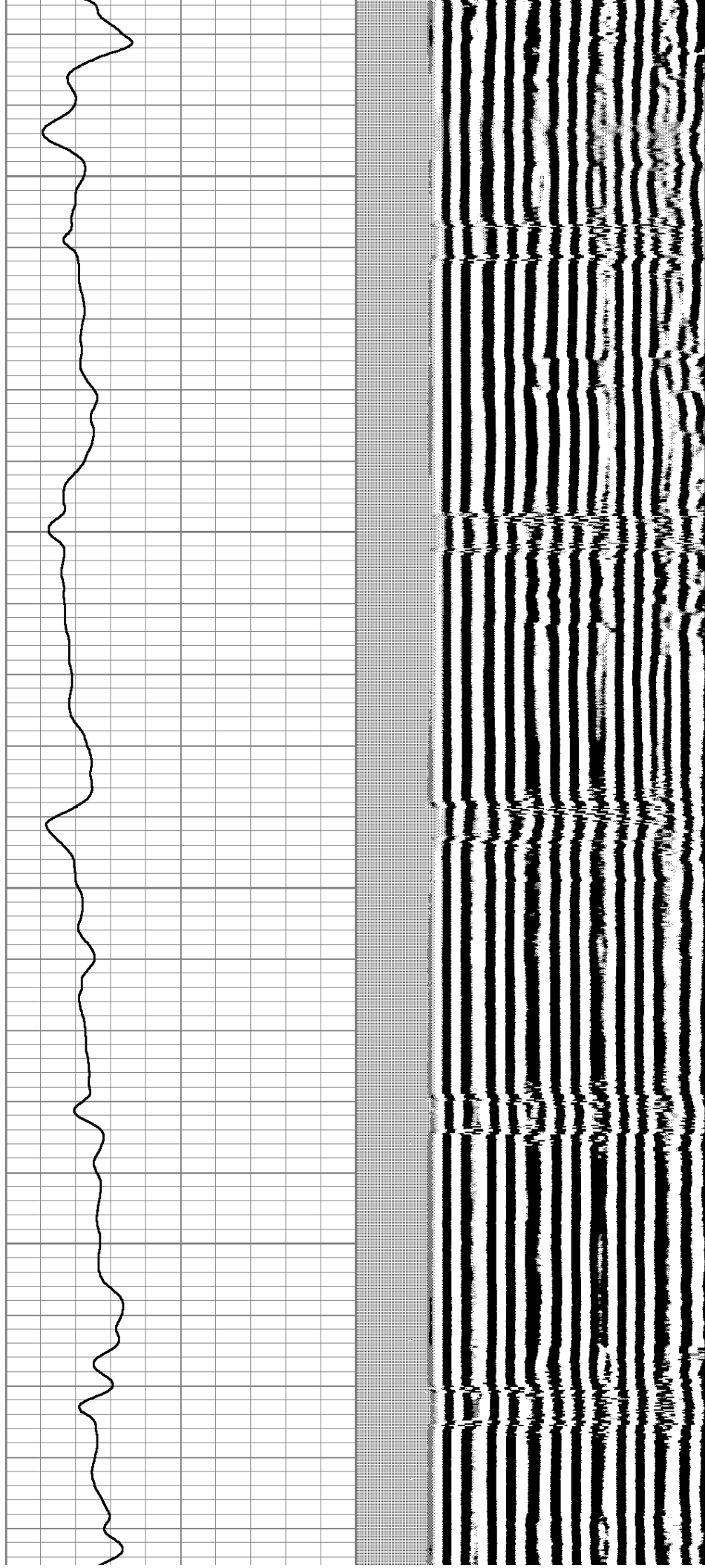


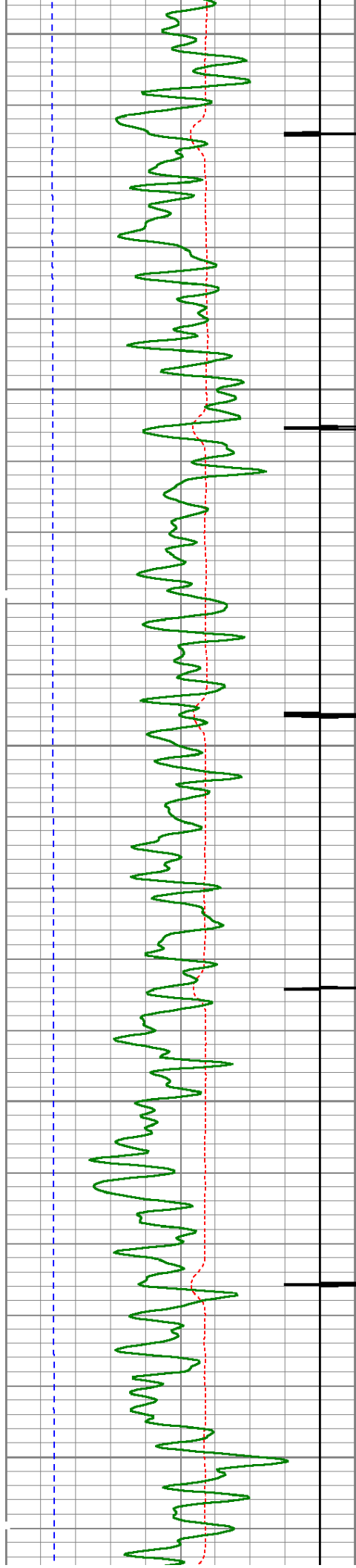
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3650





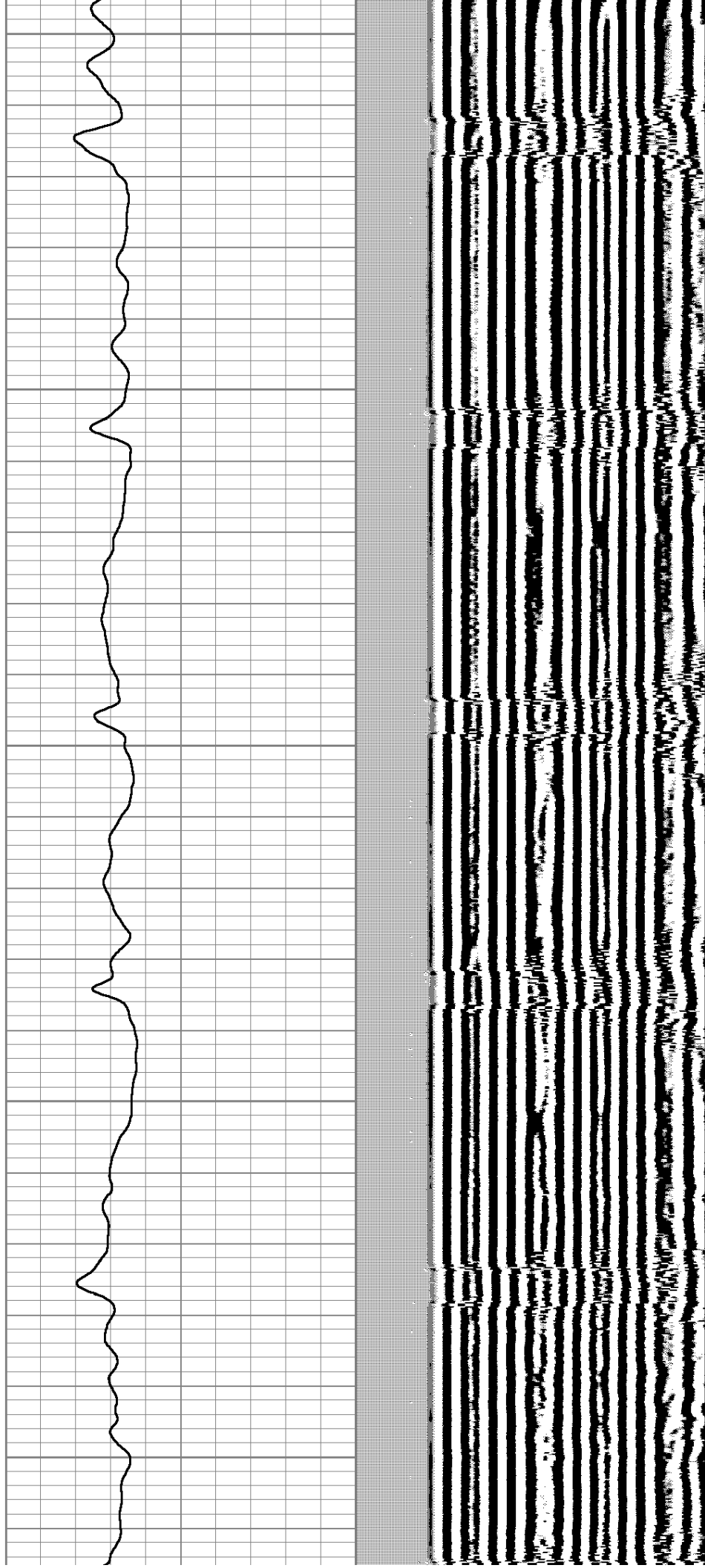
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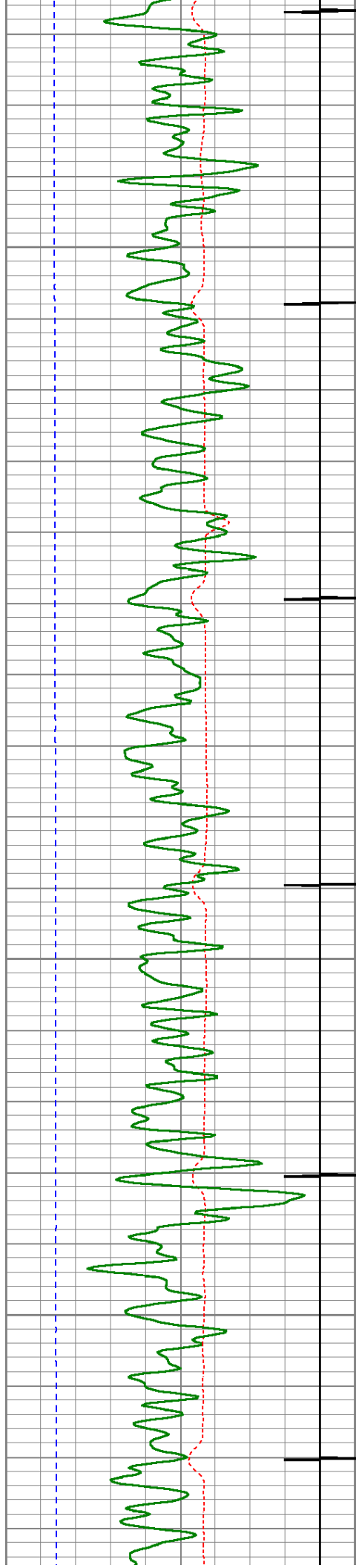
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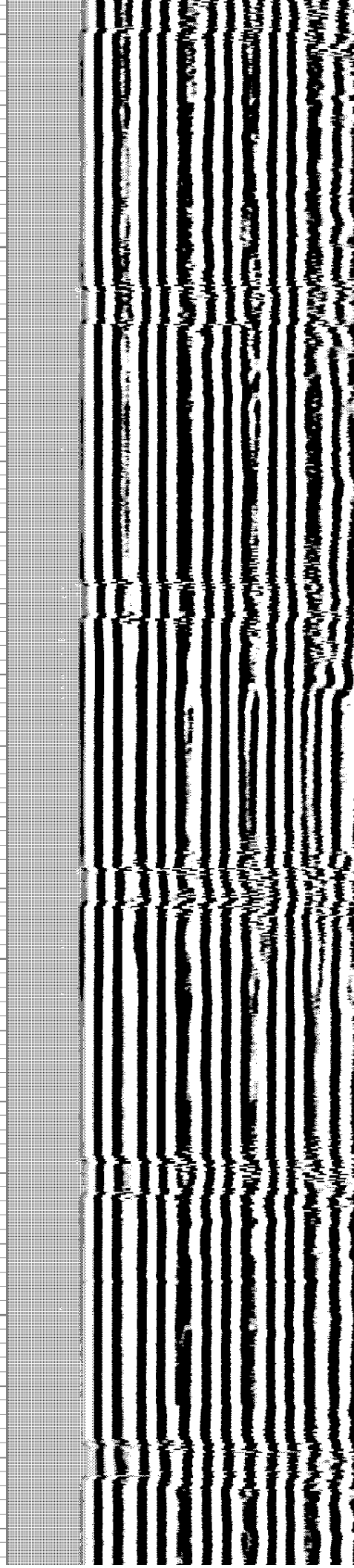
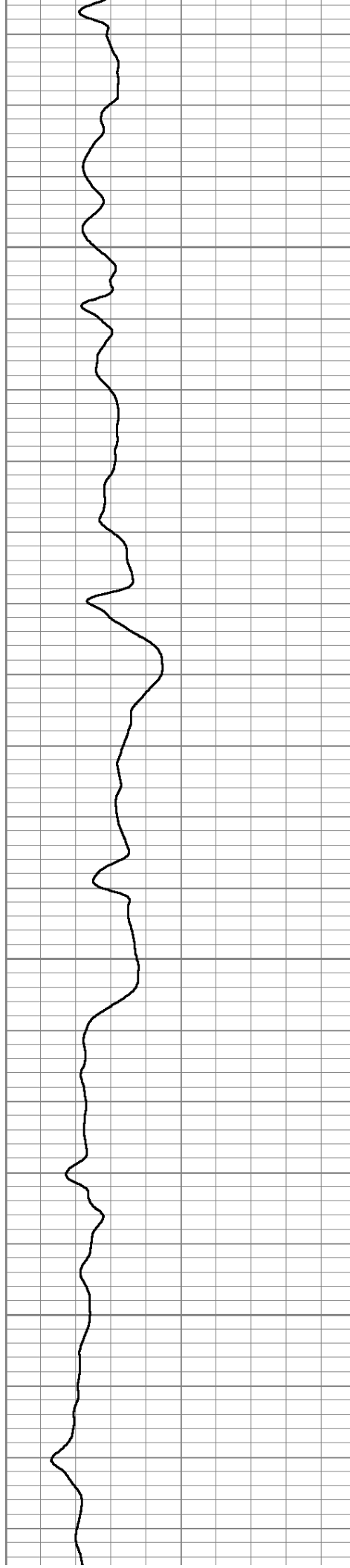


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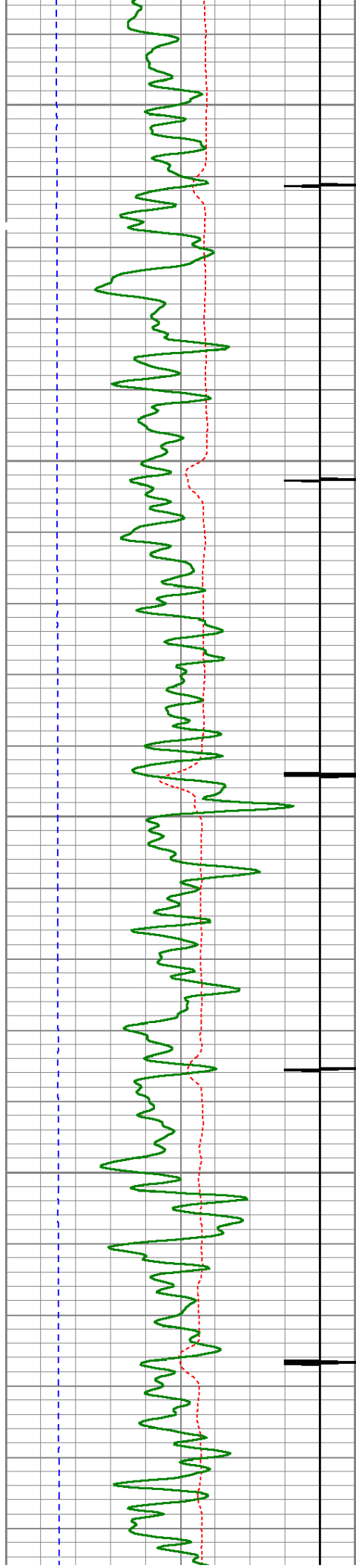
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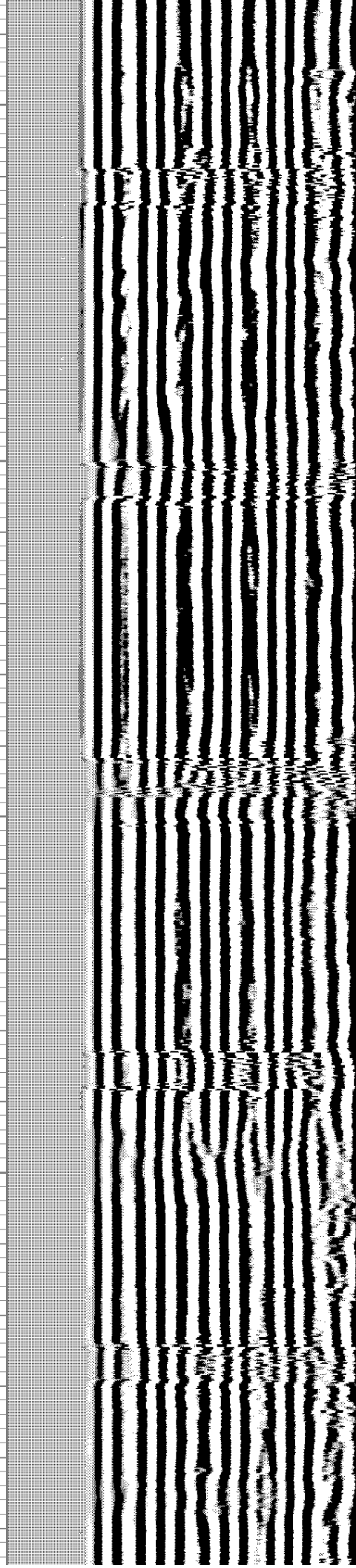
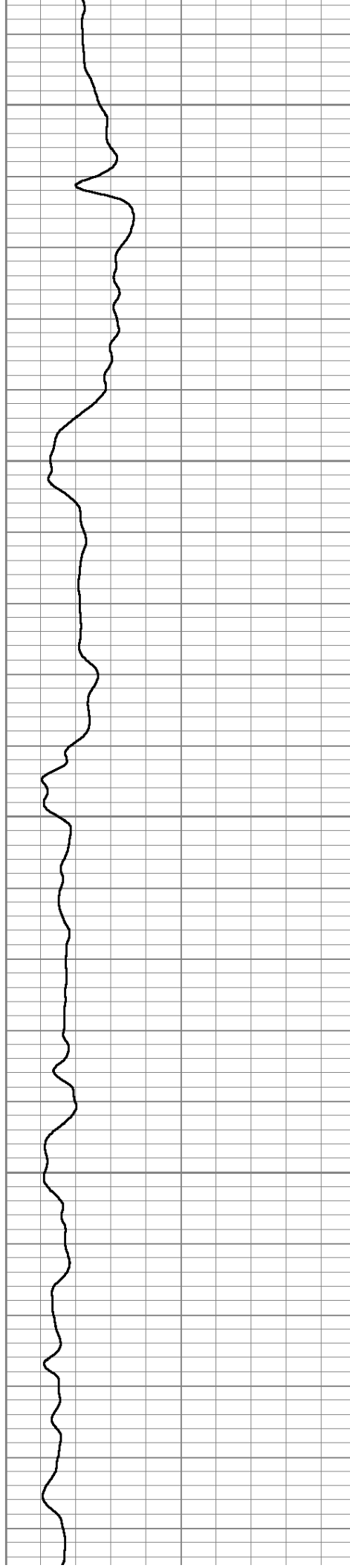
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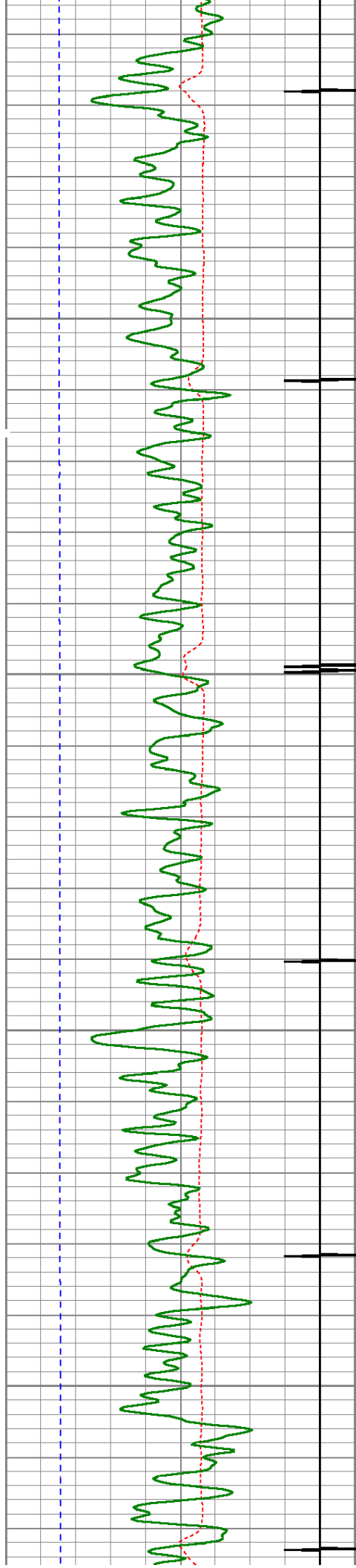
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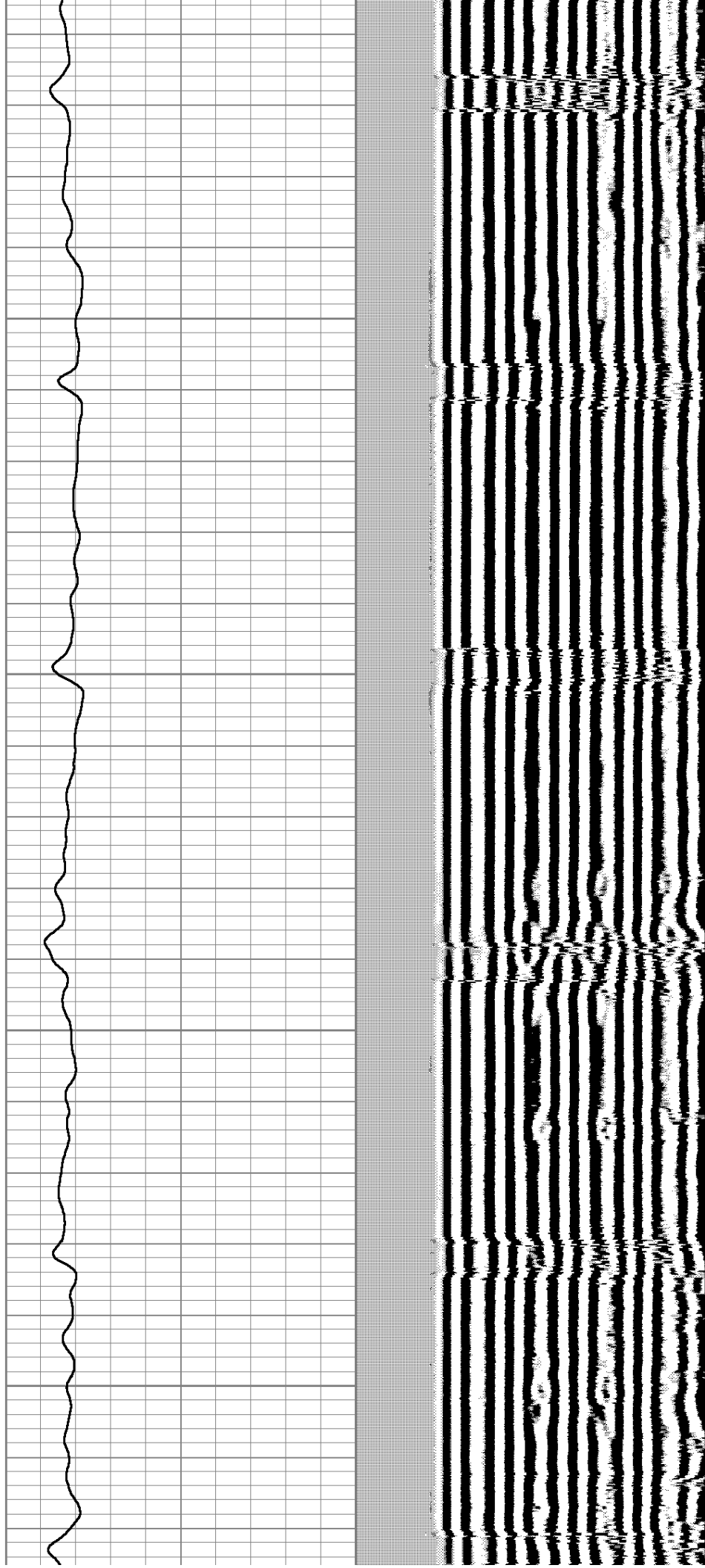


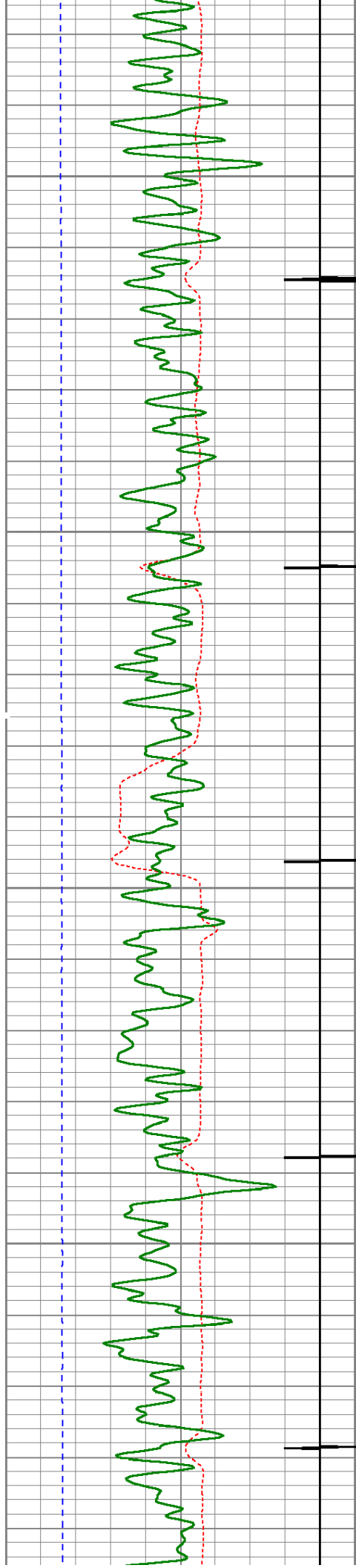
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4450

4500

4550



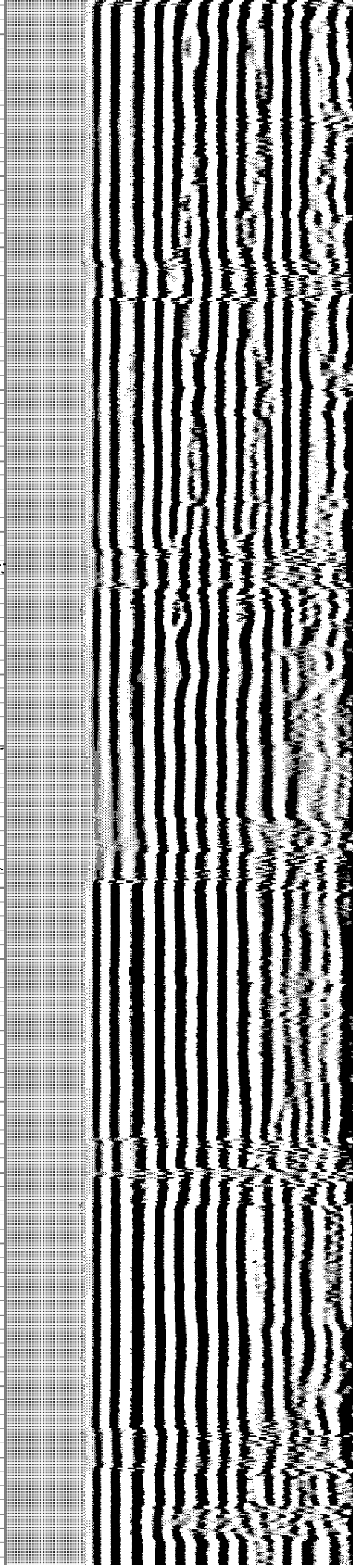
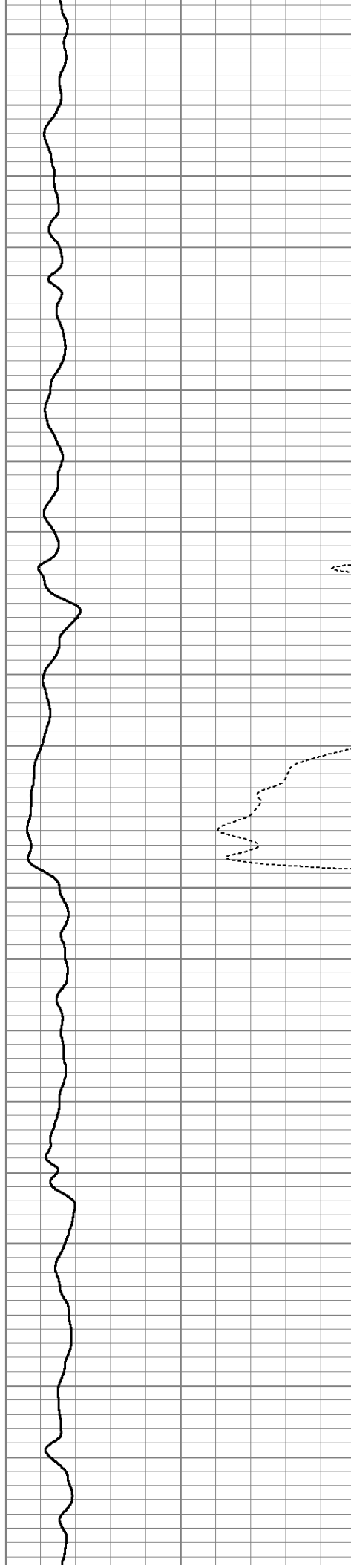


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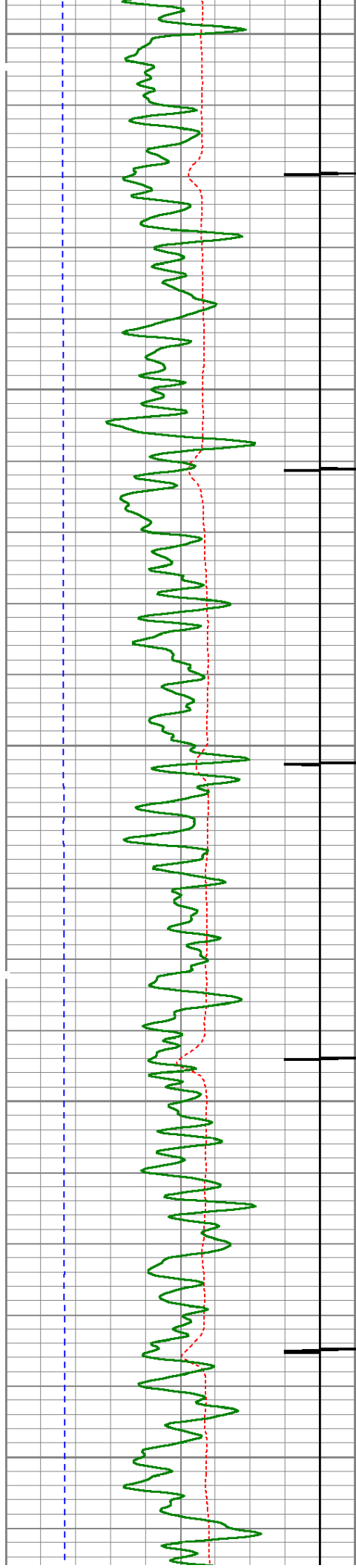
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4750







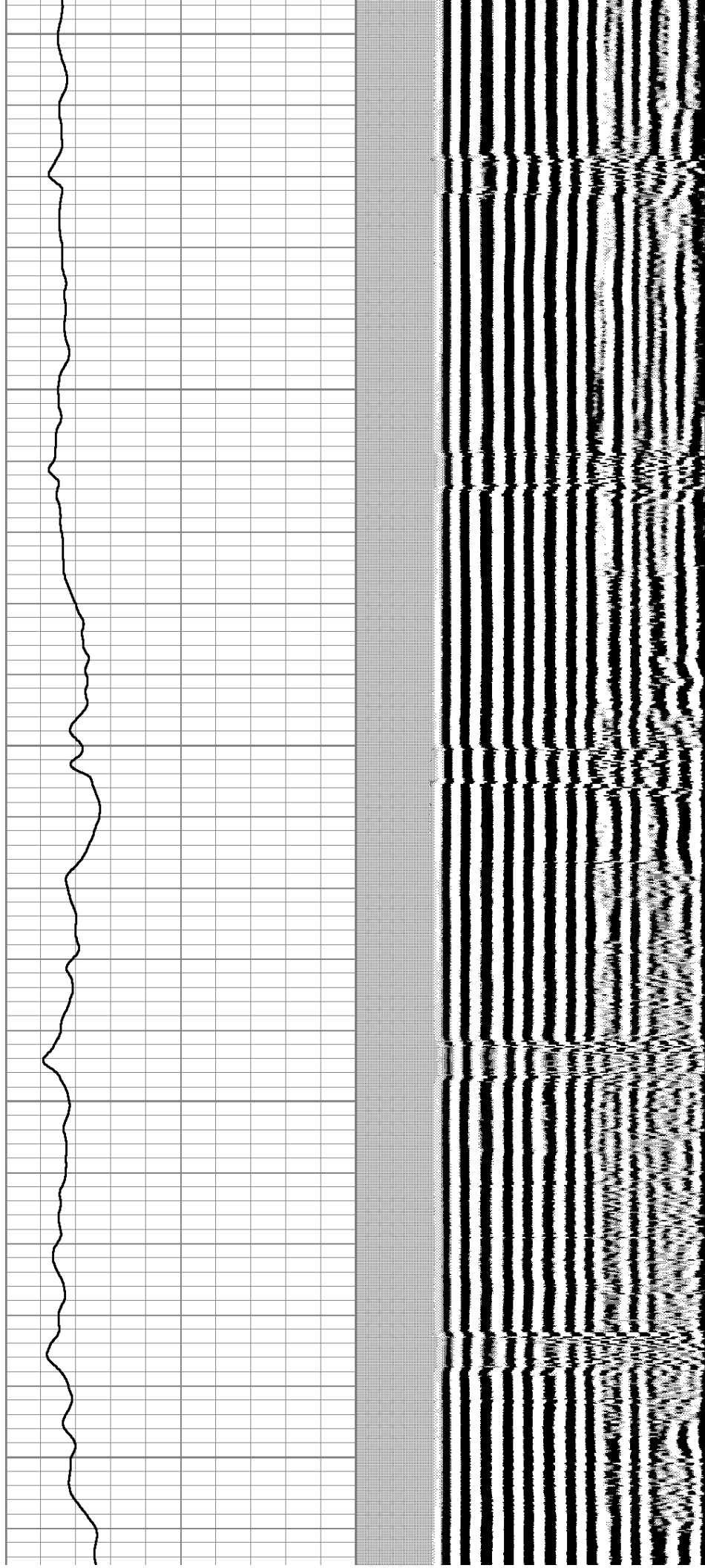
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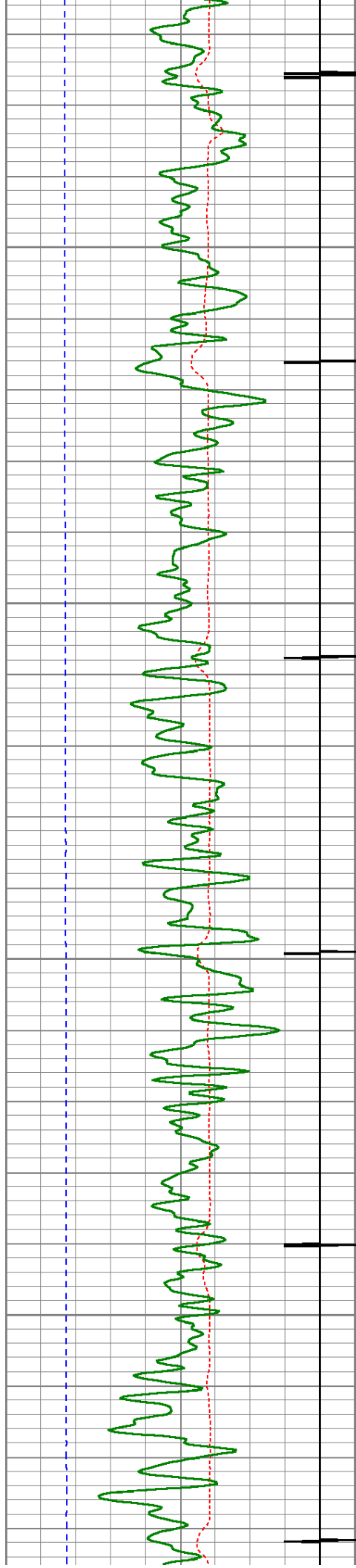
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4950

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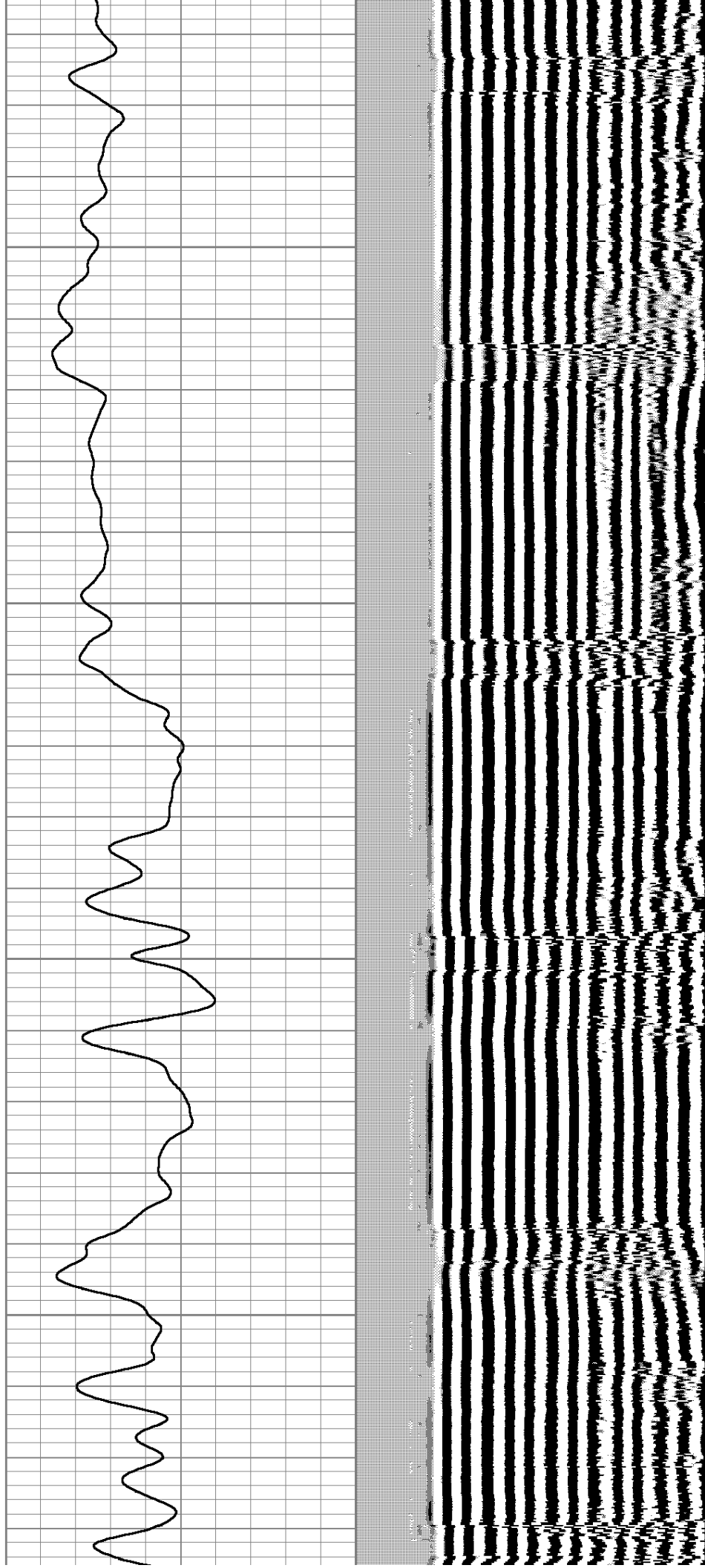


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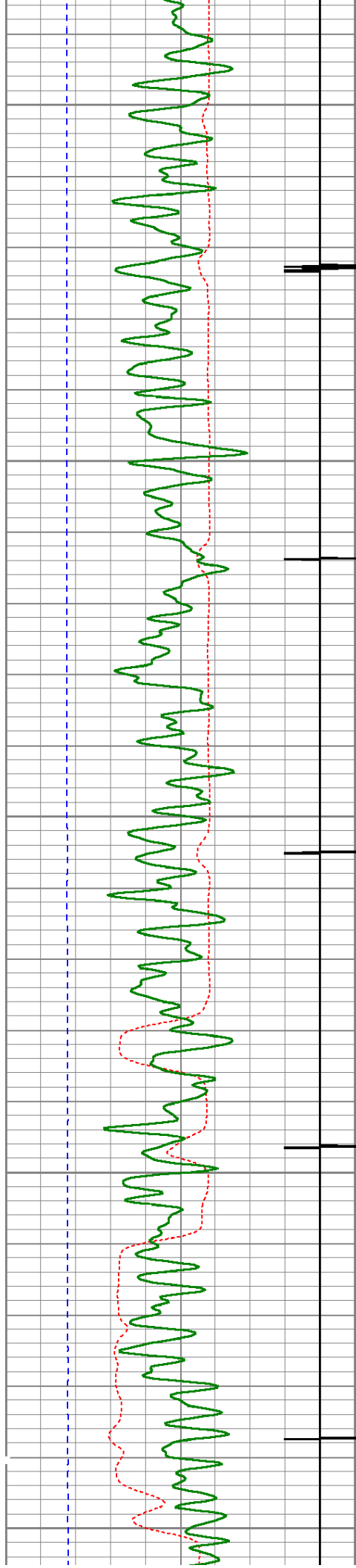
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5200







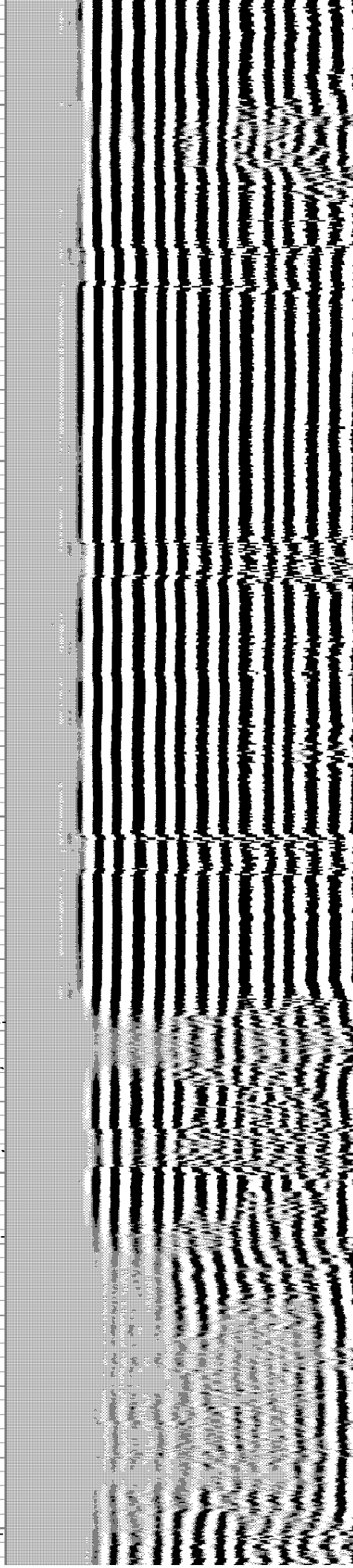
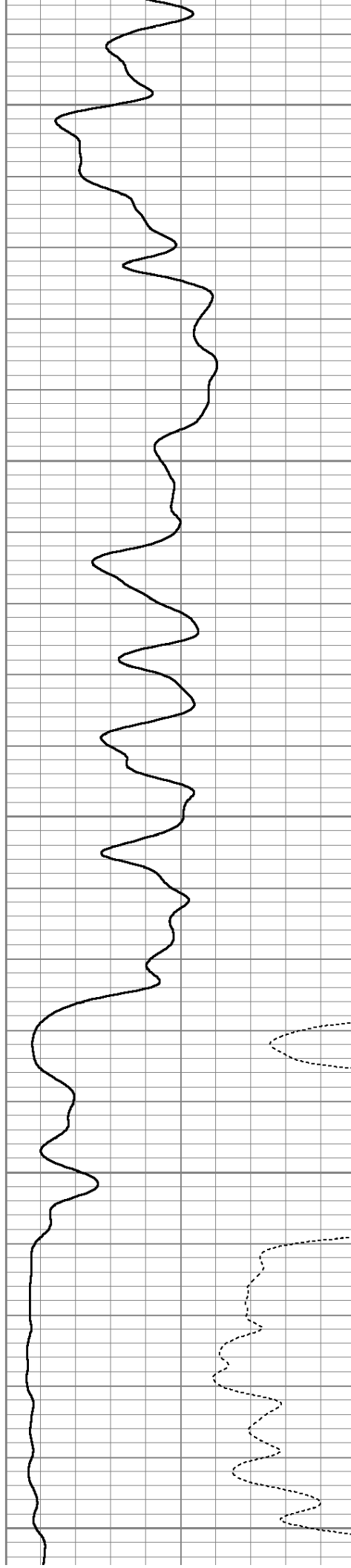
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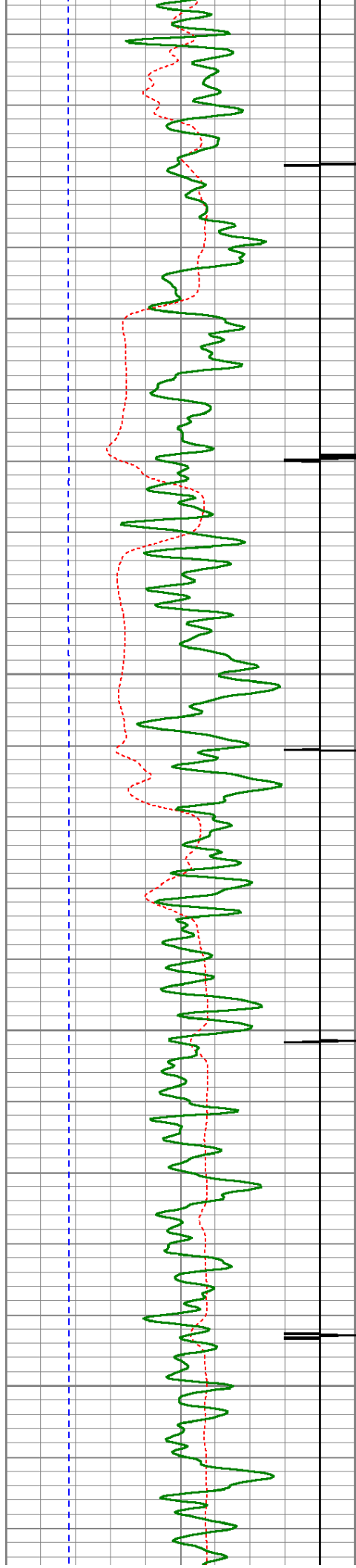
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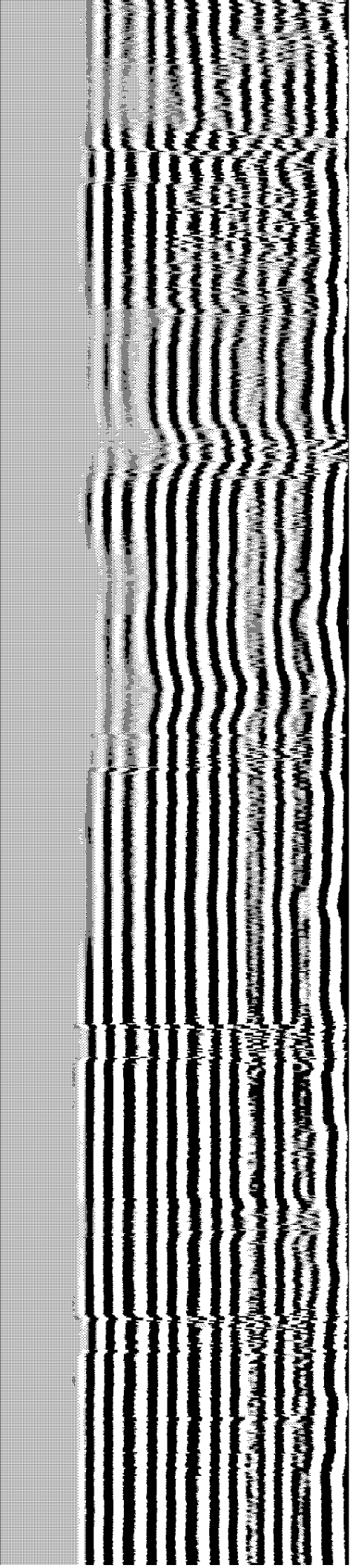
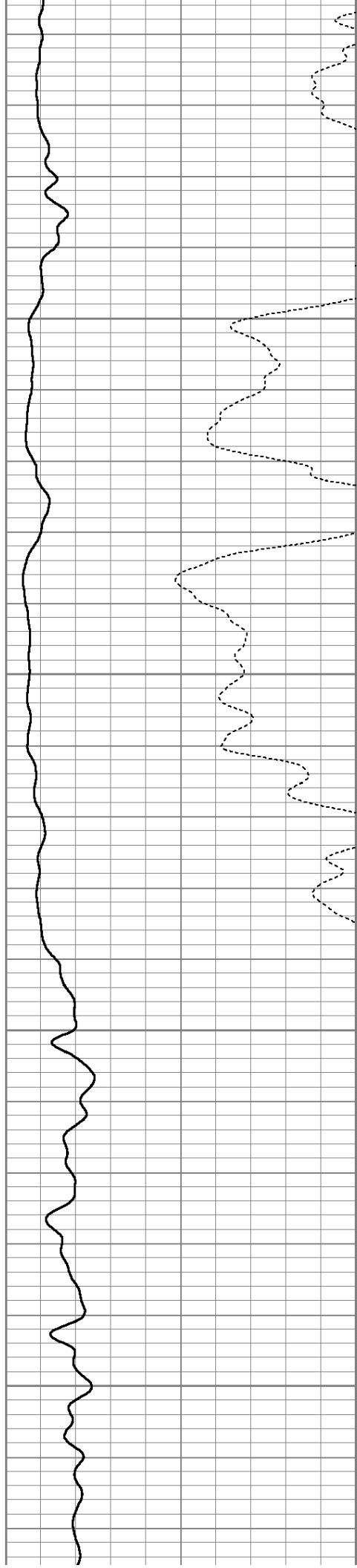


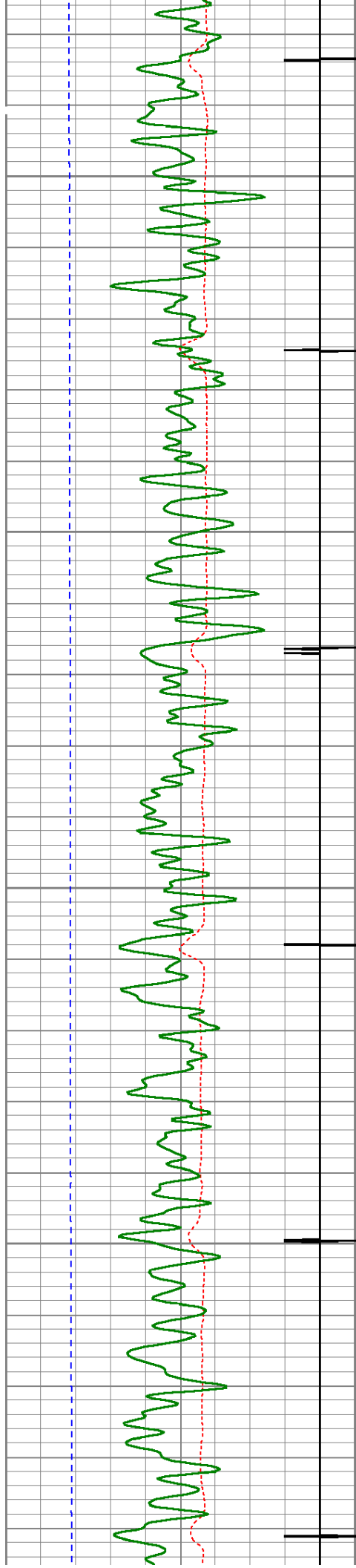
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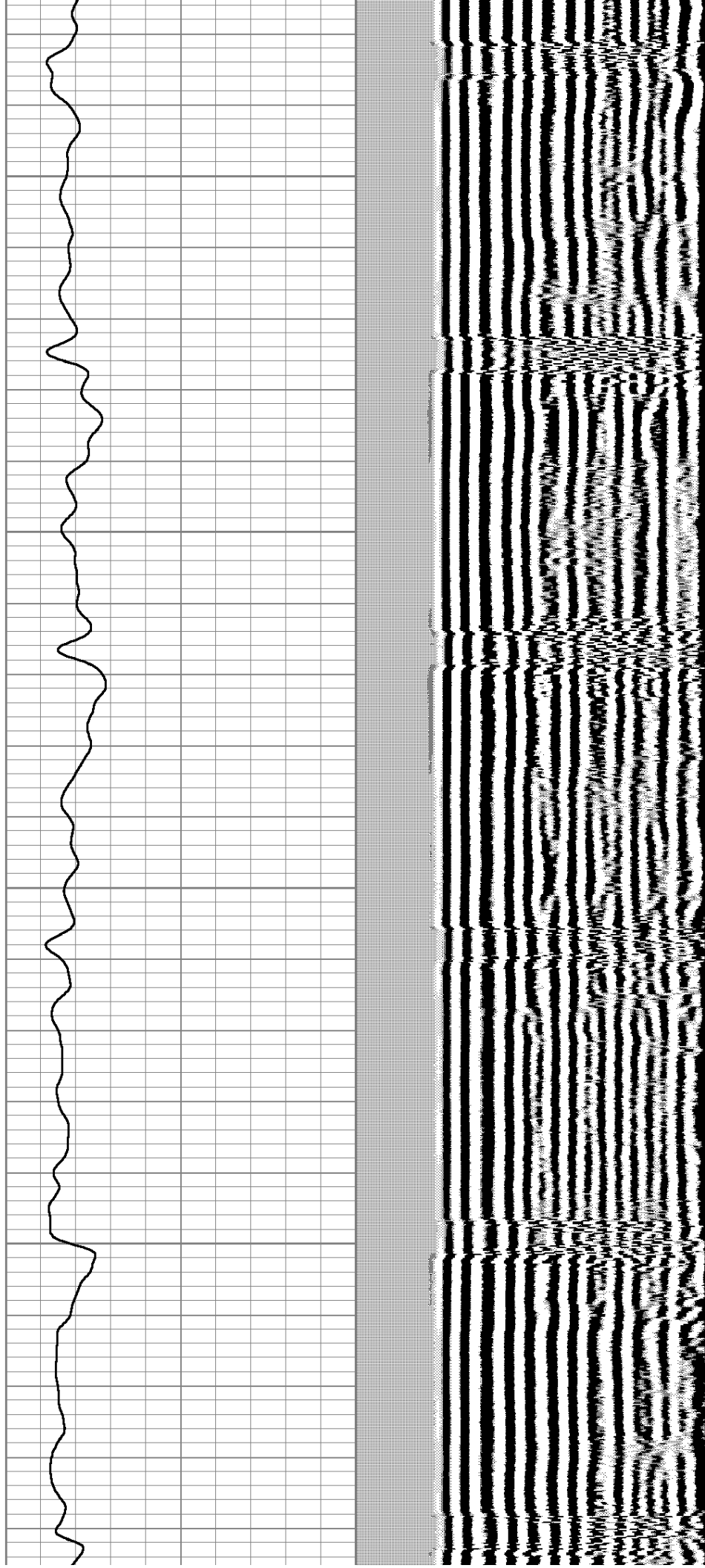


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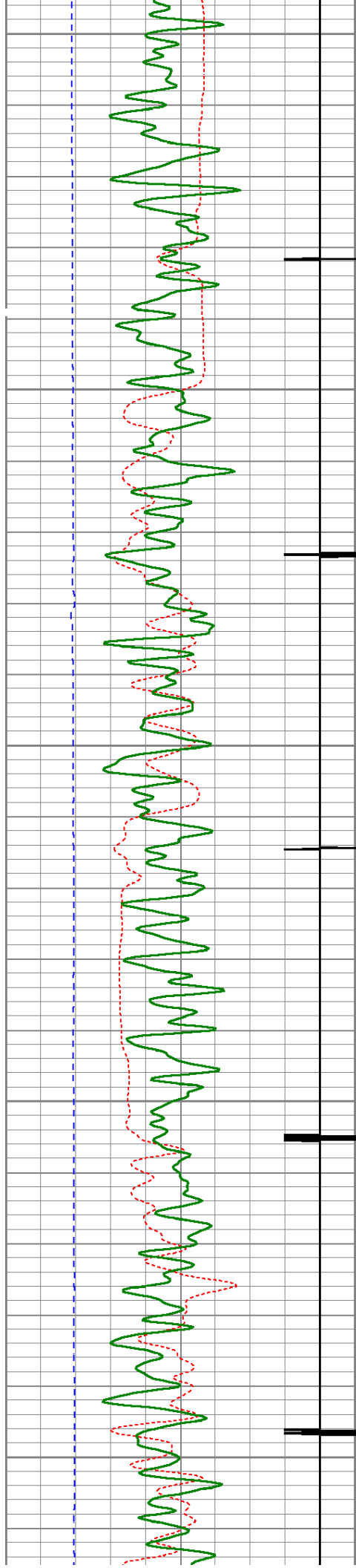
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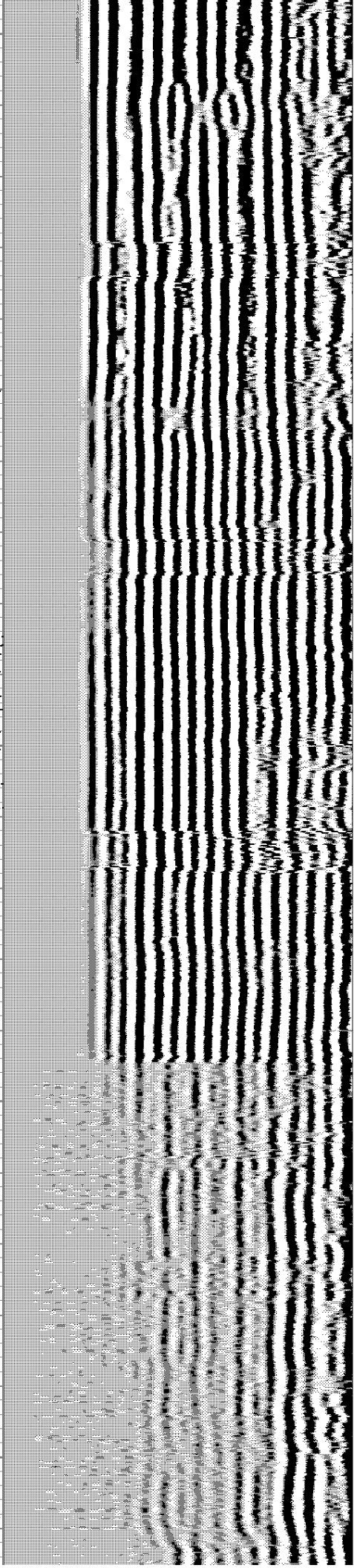
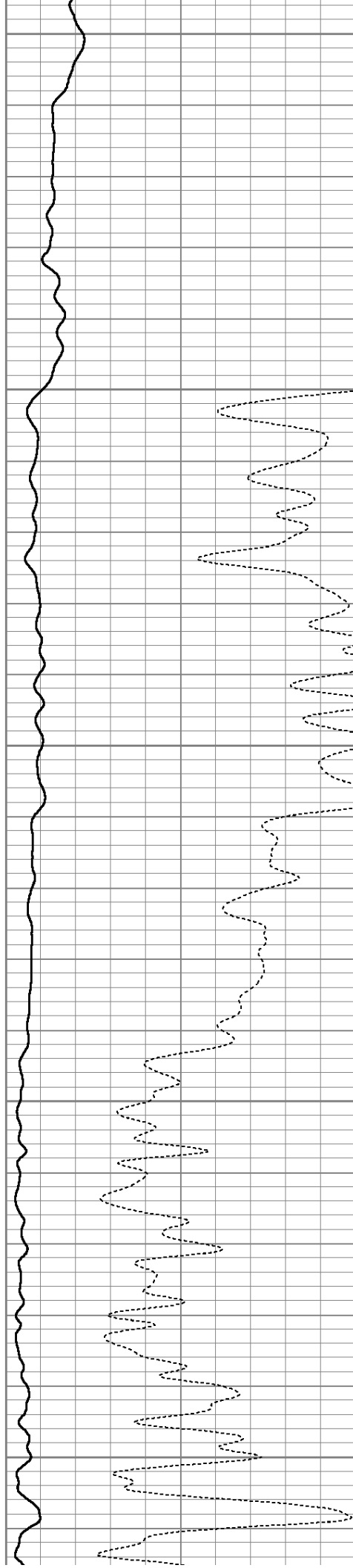
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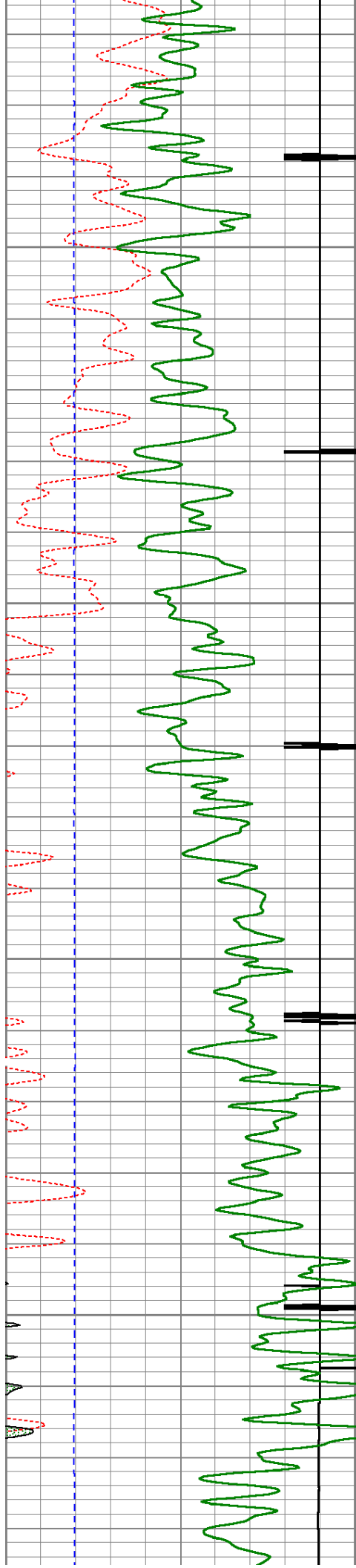
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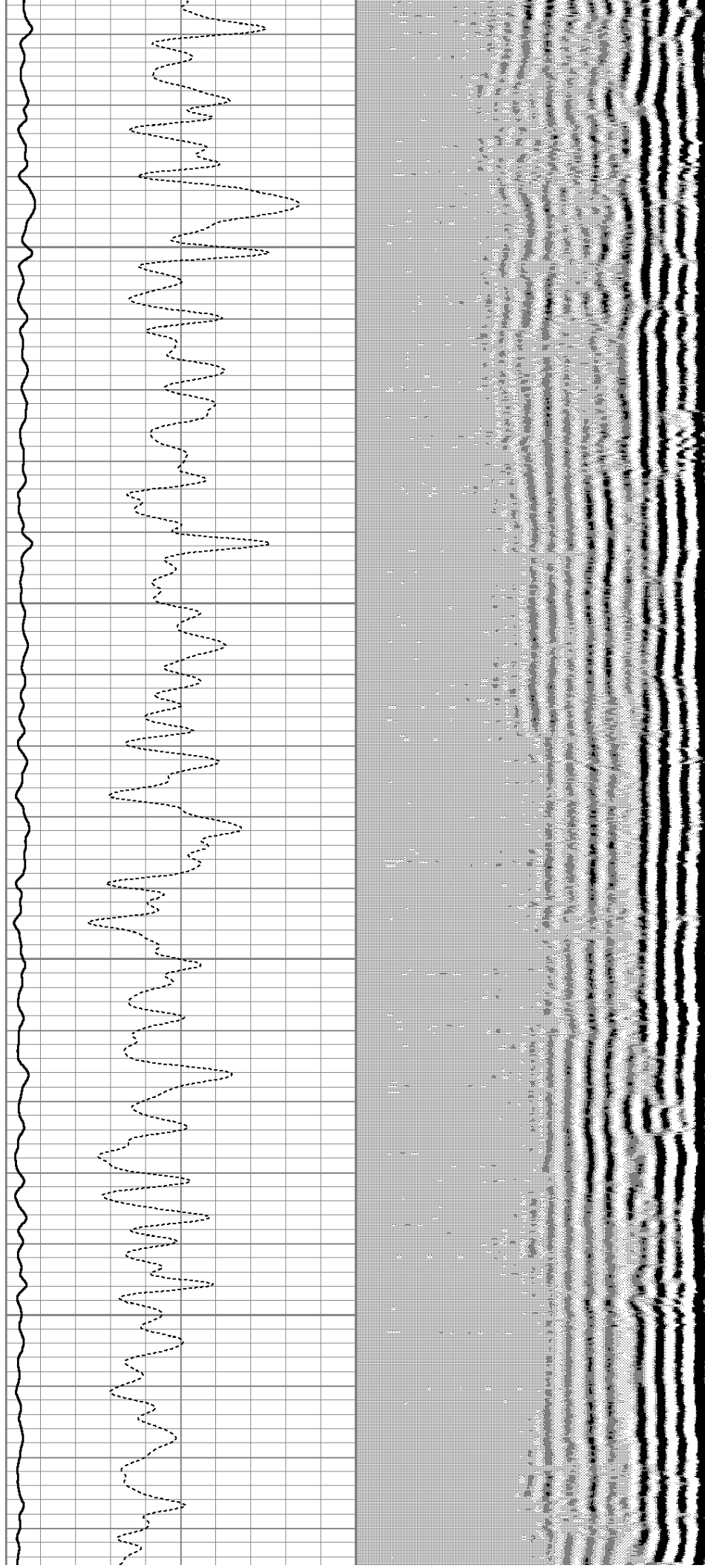


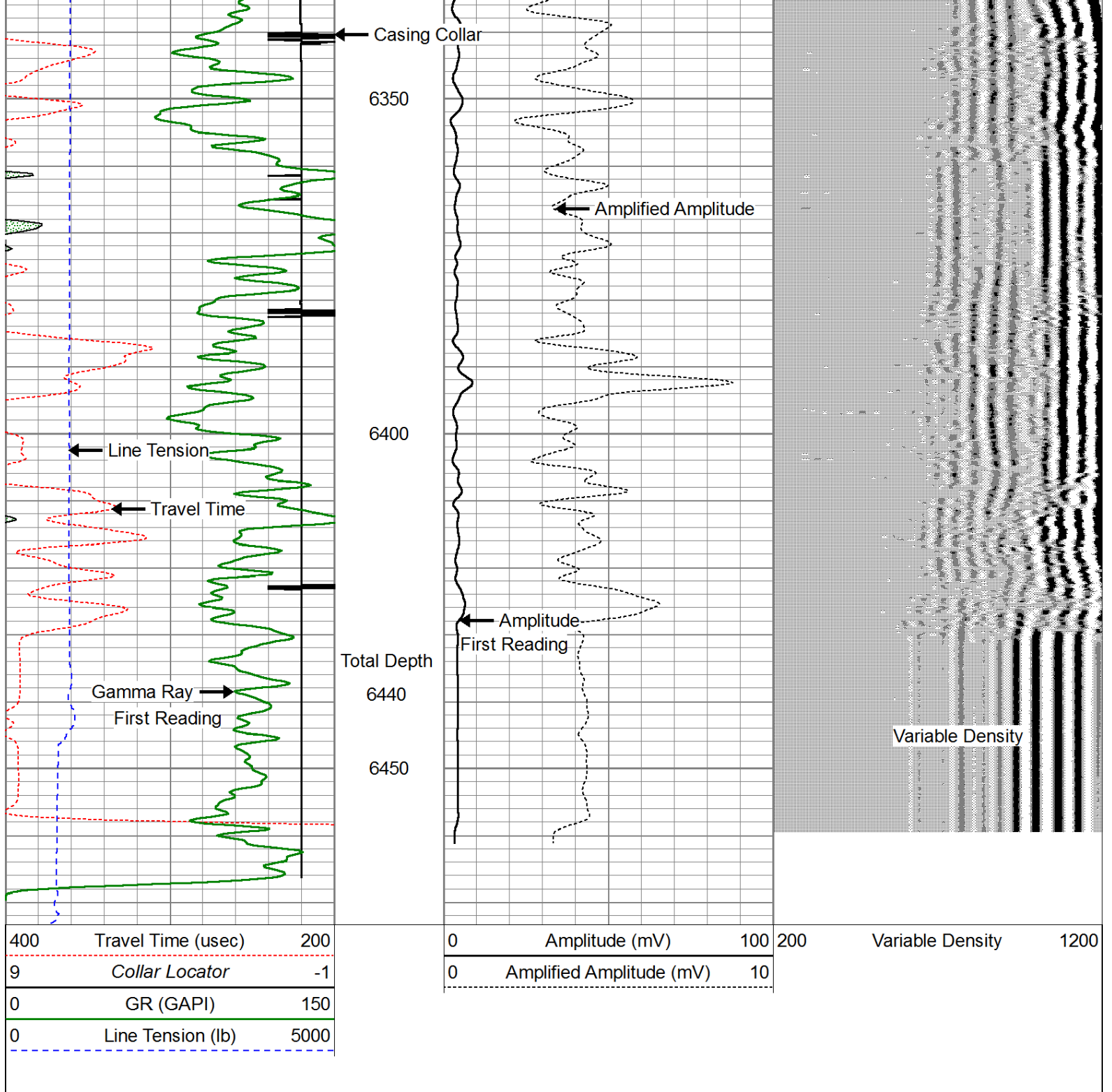
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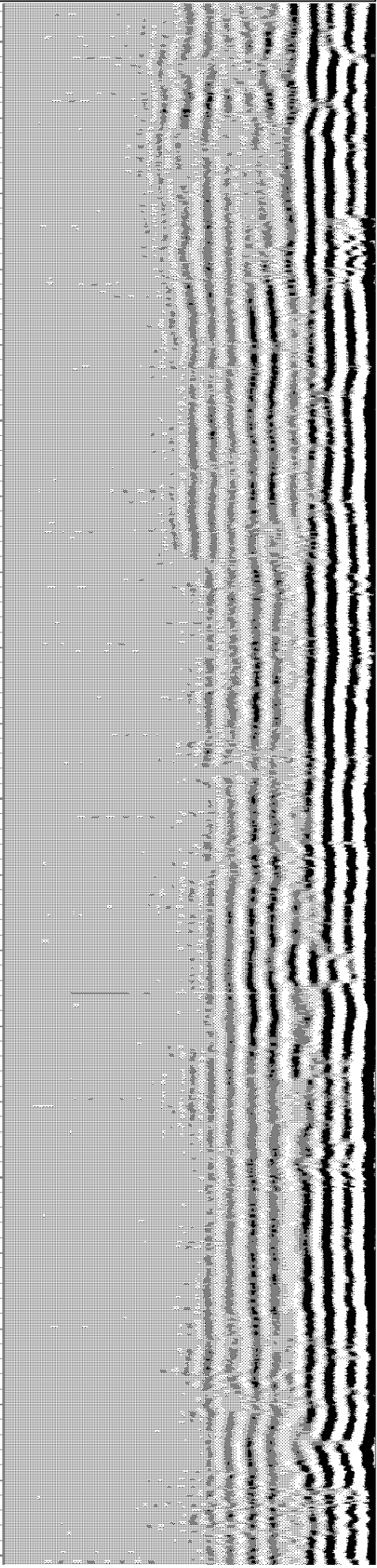
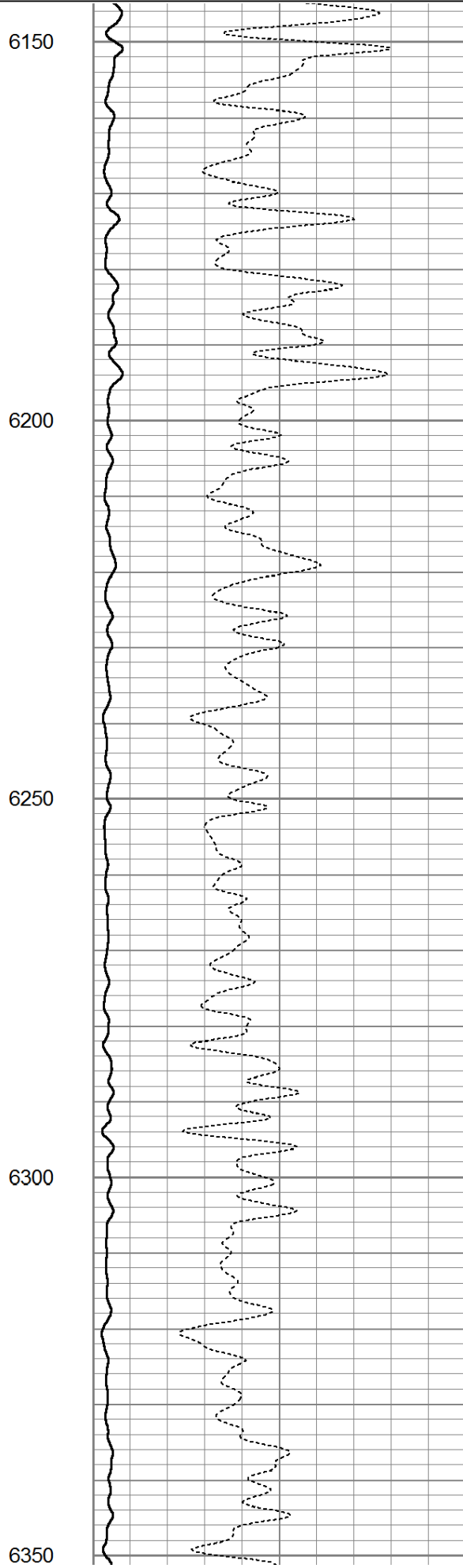
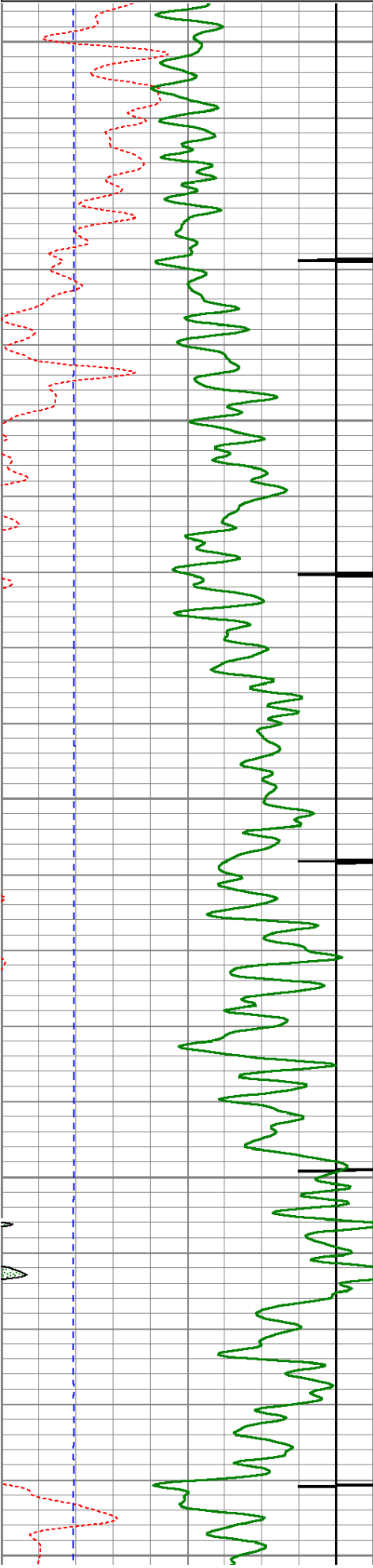


# Repeat Pass ( 0 PSI )

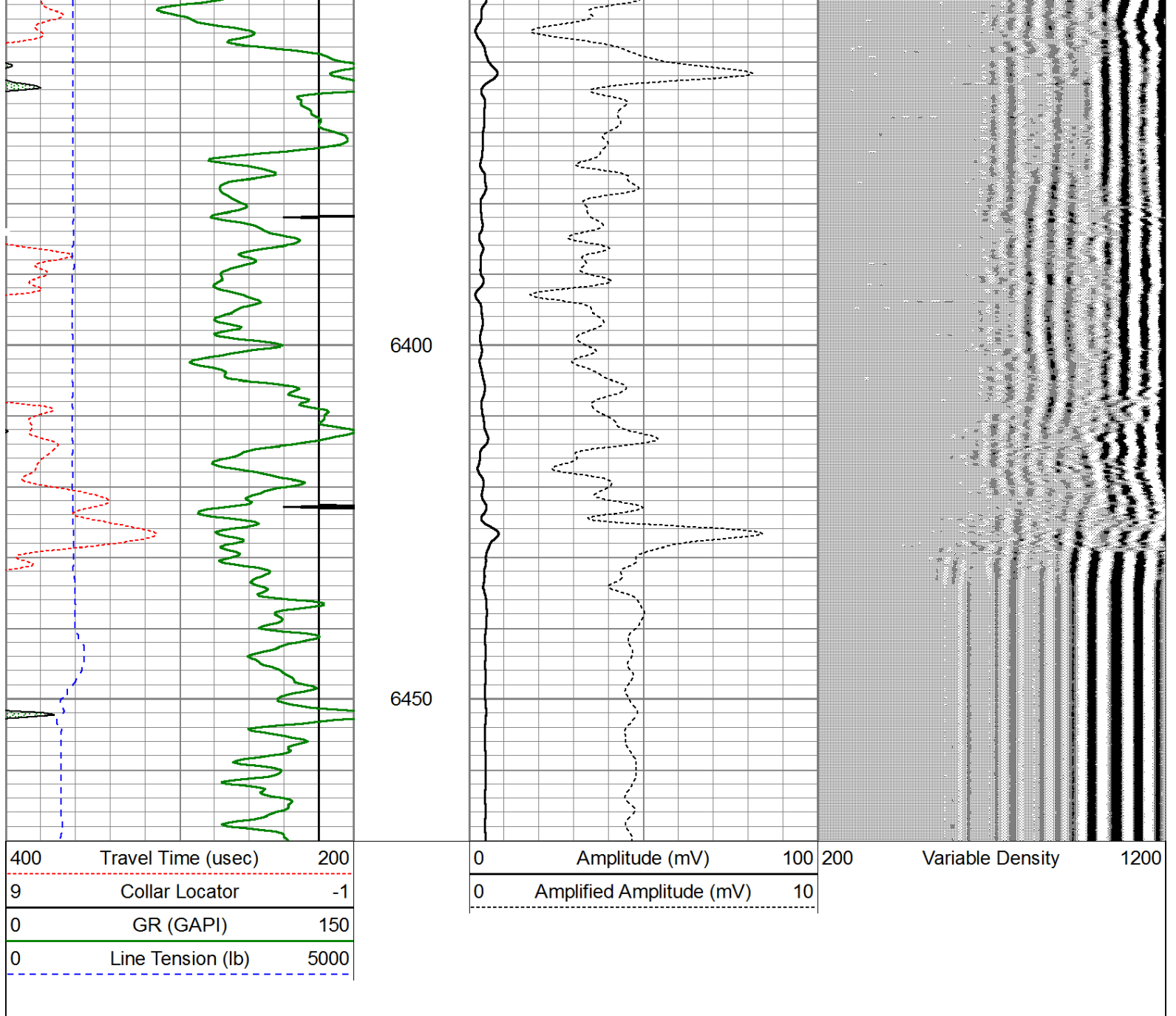
Database File: bonanza\_creek\_park\_44\_41\_4hnb.db  
 Dataset Pathname: pass6.1  
 Presentation Format: cbprobe  
 Dataset Creation: Mon Mar 04 10:40:47 2013 by Calc SCH 120126  
 Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	Amplitude (mV)	100	200	Variable Density	1200
9	Collar Locator	-1	0	Amplified Amplitude (mV)	10			
0	GR (GAPI)	150						
0	Line Tension (lb)	5000						









#### Calibration Report

Database File: bonanza\_creek\_park\_44\_41\_4hnb.db  
Dataset Pathname: pass9  
Dataset Creation: Mon Mar 04 10:44:30 2013 by Calc SCH 120126

#### Gamma Ray Calibration Report

Serial Number:	101230-Dig
Tool Model:	Probe275
Performed:	Fri Jun 11 16:02:47 2004
Calibrator Value:	138.0 GAPI
Background Reading:	37.7 cps
Calibrator Reading:	241.8 cps
Sensitivity:	0.6763 GAPI/cps

#### Segmented Cement Bond Log Calibration Report

Serial Number:	120424
Tool Model:	Probe

Calibration Casing Diameter: 7.000 in  
Calibration Depth: 5285.675 ft

Master Calibration, performed Mon Mar 04 10:25:58 2013:

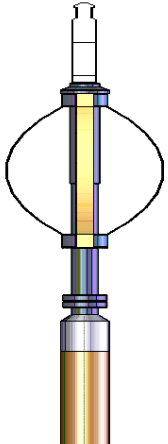
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.013	0.709	1.200	62.165	64.013	3.329
CAL	-0.021	1.464				
5'	-0.008	0.199	1.200	62.165	116.082	3.567
SUM						
S1	-0.109	0.740	0.000	100.000	129.789	-0.844
S2	0.001	0.722	0.000	100.000	138.622	-0.100
S3	-0.002	0.714	0.000	100.000	139.700	0.240
S4	-0.000	0.698	0.000	100.000	143.229	0.021
S5	-0.001	0.702	0.000	100.000	142.272	0.115
S6	-0.001	0.697	0.000	100.000	143.162	0.168
S7	-0.003	0.673	0.000	100.000	147.964	0.412
S8	-0.003	0.661	0.000	100.000	143.644	0.471

Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.021	1.464	1.000	0.000

Air Zero Calibration, performed Sat Mar 02 07:59:55 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Titan Cable_head	1.00	1.44	10.00
			Probe275 2.75" Centralizer	2.88	2.75	20.00

Tool Name	Start Depth (ft)	End Depth (ft)	Length (ft)	Weight (lb)	O.D. (in)
WVF3FT	14.90	14.90	0.00	0.00	2.75
WVFCAL	14.90	14.90	0.00	0.00	2.75
WVFS1	14.90	14.90	0.00	0.00	2.75
WVFS2	14.90	14.90	0.00	0.00	2.75
WVFS3	14.90	14.90	0.00	0.00	2.75
WVFS4	14.90	14.90	0.00	0.00	2.75
WVFS5	14.90	14.90	0.00	0.00	2.75
WVFS6	14.90	14.90	0.00	0.00	2.75
WVFS7	14.90	14.90	0.00	0.00	2.75
WVFS8	14.90	14.90	0.00	0.00	2.75
WVF5FT	13.90	14.90	1.00	0.00	2.75
CCL	6.88	13.90	7.02	0.00	2.75
GR	5.42	6.88	1.46	0.00	2.75
<p>Dataset: bonanza_creek_park_44_41_4hnb.db: field/well/run1/pass9</p> <p>Total Length: 23.33 ft</p> <p>Total Weight: 217.00 lb</p> <p>O.D. 2.75 in</p>					