



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

Company	Bonanza Creek Energy	Location:	API # : 05-123-37287	Other Services
Well	Latham_O_K_2HNB	Well	SHL 631' FNL & 270' FEL BHL 470' FNL & 2558' FWL	NONE
Field	Wattenberg	Field	SEC 2 TWP 4N RGE 63W	
County	Weld	County	State	Colorado
State	Colorado	Permanent Datum	Ground Level	Elevation 4521'
		Log Measured From	NA	K.B. NA
		Drilling Measured From	NA	D.F. NA
				G.L. 4521'
Date	25-June-2013	Run Number	1	
Depth Driller	10,934'	Depth Logger	6622'	
Bottom Logged Interval	6621'	Top Log Interval	Surface	
Open Hole Size	8.75	Type Fluid	Fresh Water	
Density / Viscosity	8.33	Max. Recorded Temp.	-	
Estimated Cement Top	Surface	Time Well Ready	11:00	
Time Logger on Bottom	13:50	Equipment Number	13033	
Location	Brighton	Recorded By	C. Rall	L. Hobbs
Witnessed By	K. Dodge			
Borehole Record		Tubing Record		
Run Number	Bit	From	To	Size
1	13.5"	0	410'	Weight
2	8.75"	0	6730'	From
3	6.125	6630'	10,934'	To
Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	0	410'
Prod. String	7	26#	0	6730'
Production String	4.5	11.6#	6630'	10,934
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

Logged From Liner Top To Surface

Elevation Informaion not provided by client

Main Pass and Repeat Pass logged with 0 PSI

Unable to fall through liner top
There where non-allied O-rings stuck in our centralizer

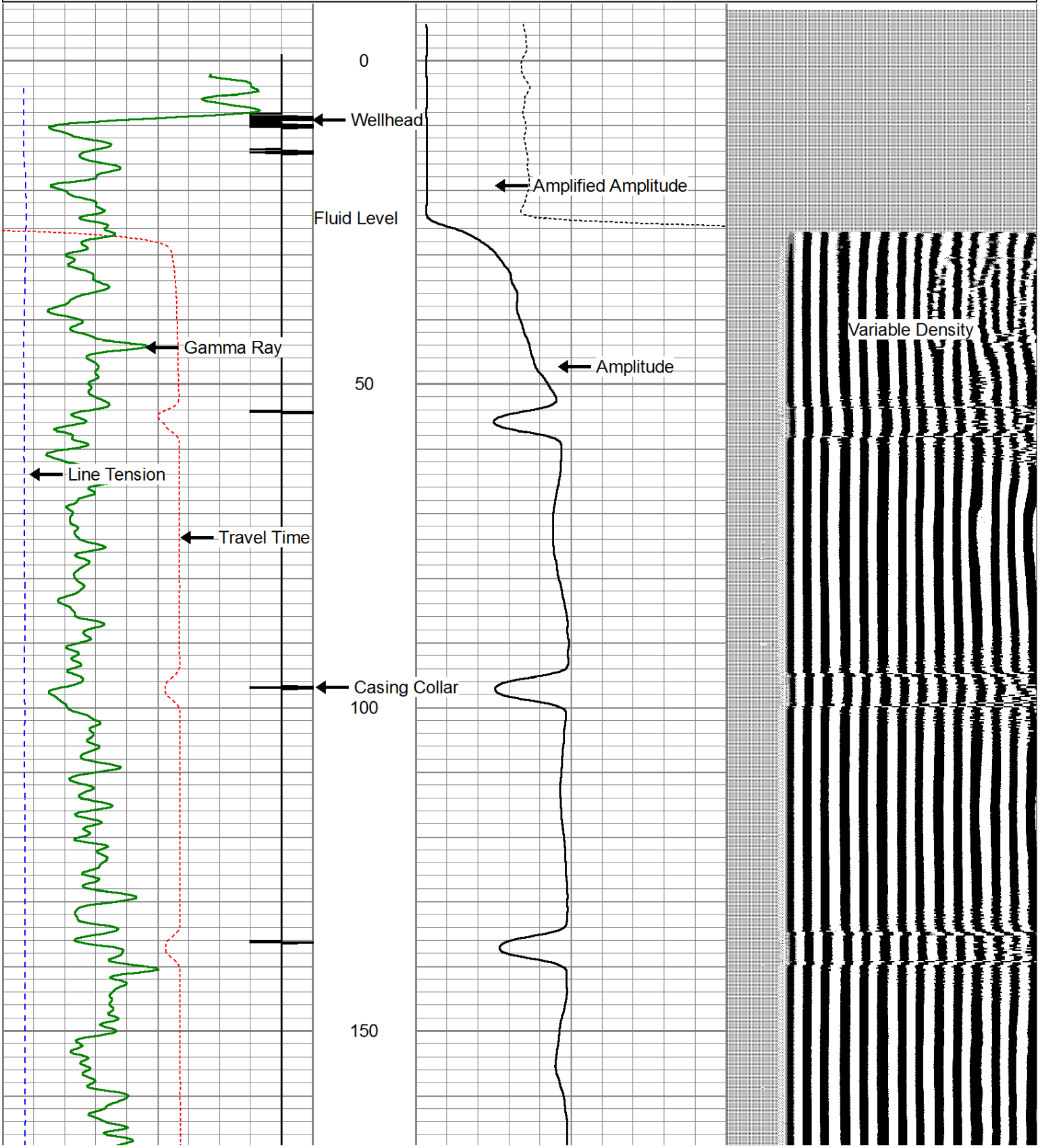
Thank You For using Allied Wireline

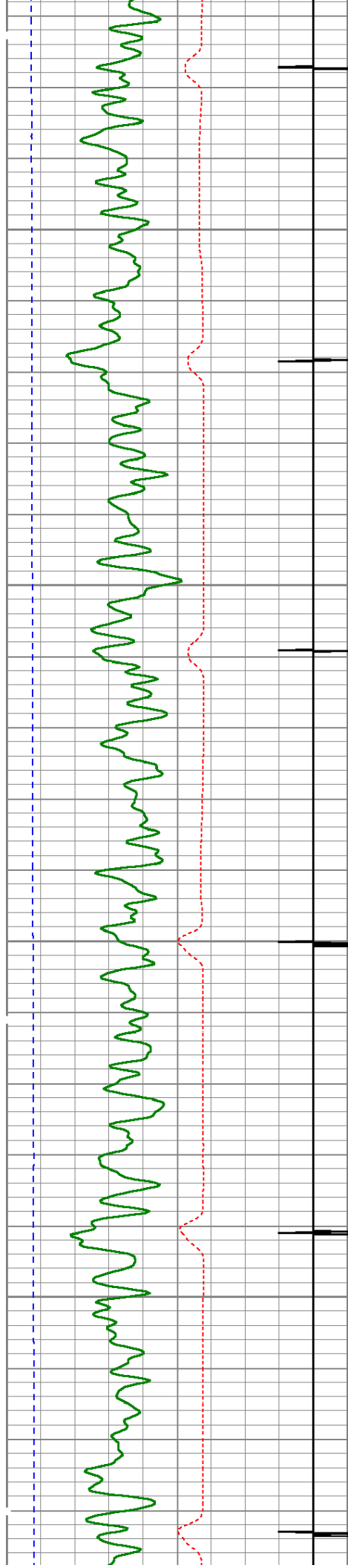
(303) 659-4609



Main Pass (0 PSI)

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



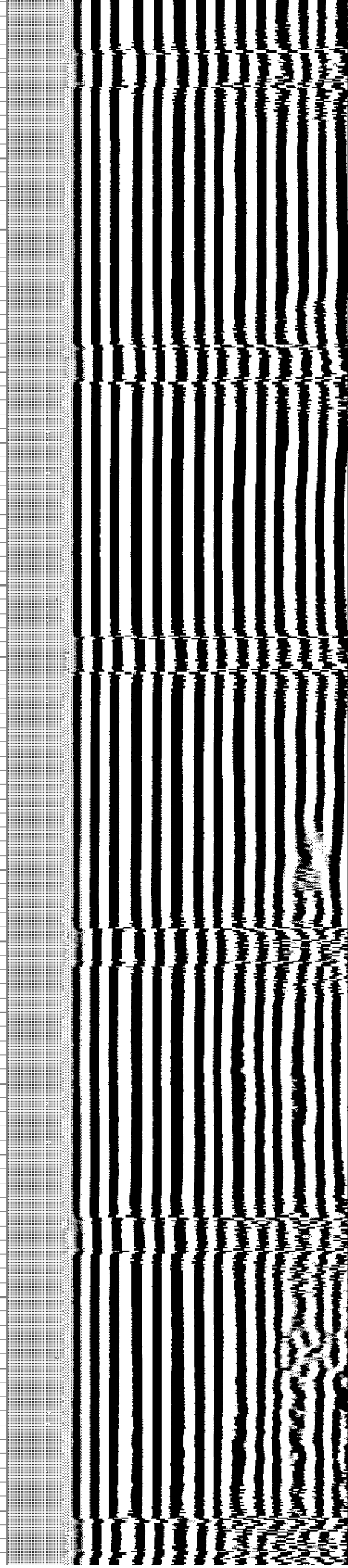
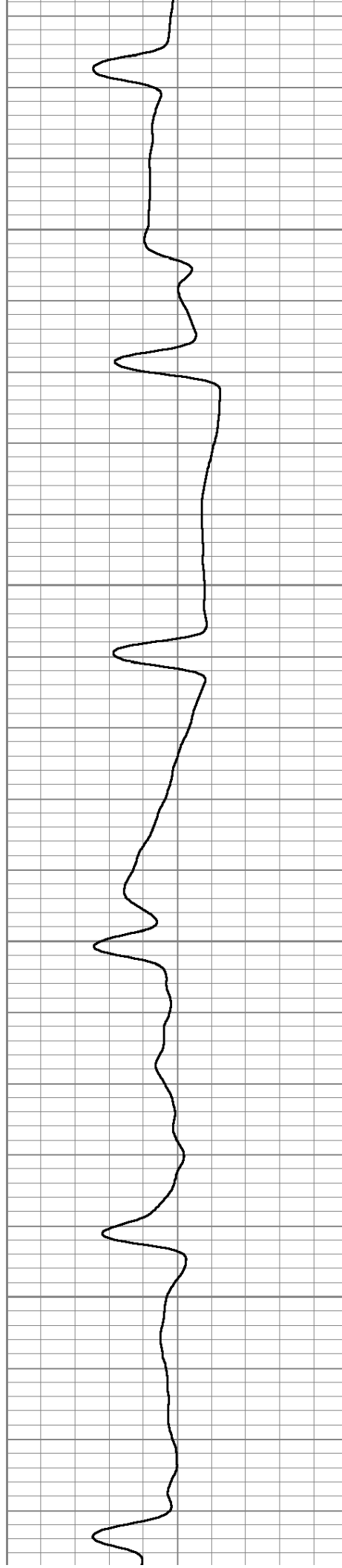


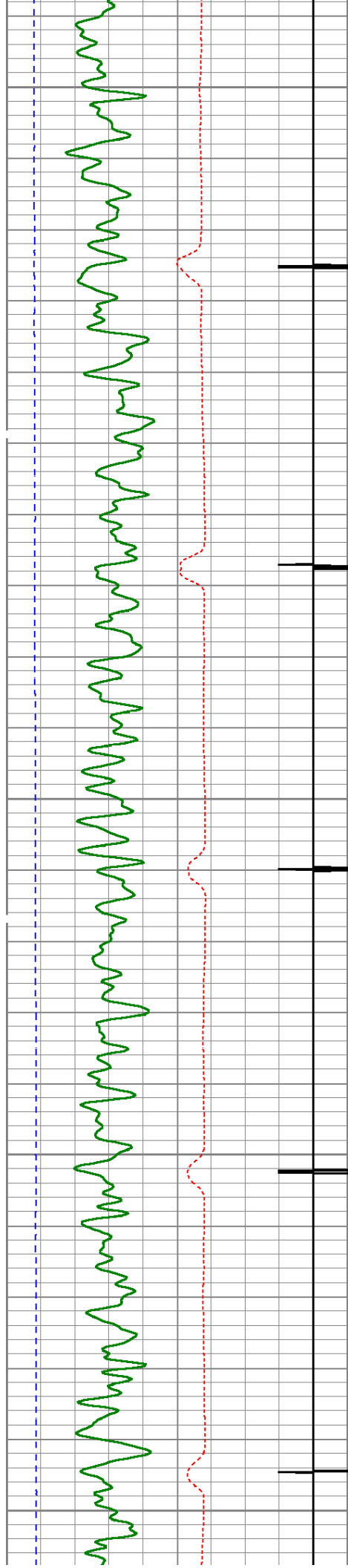
200

250

300

350





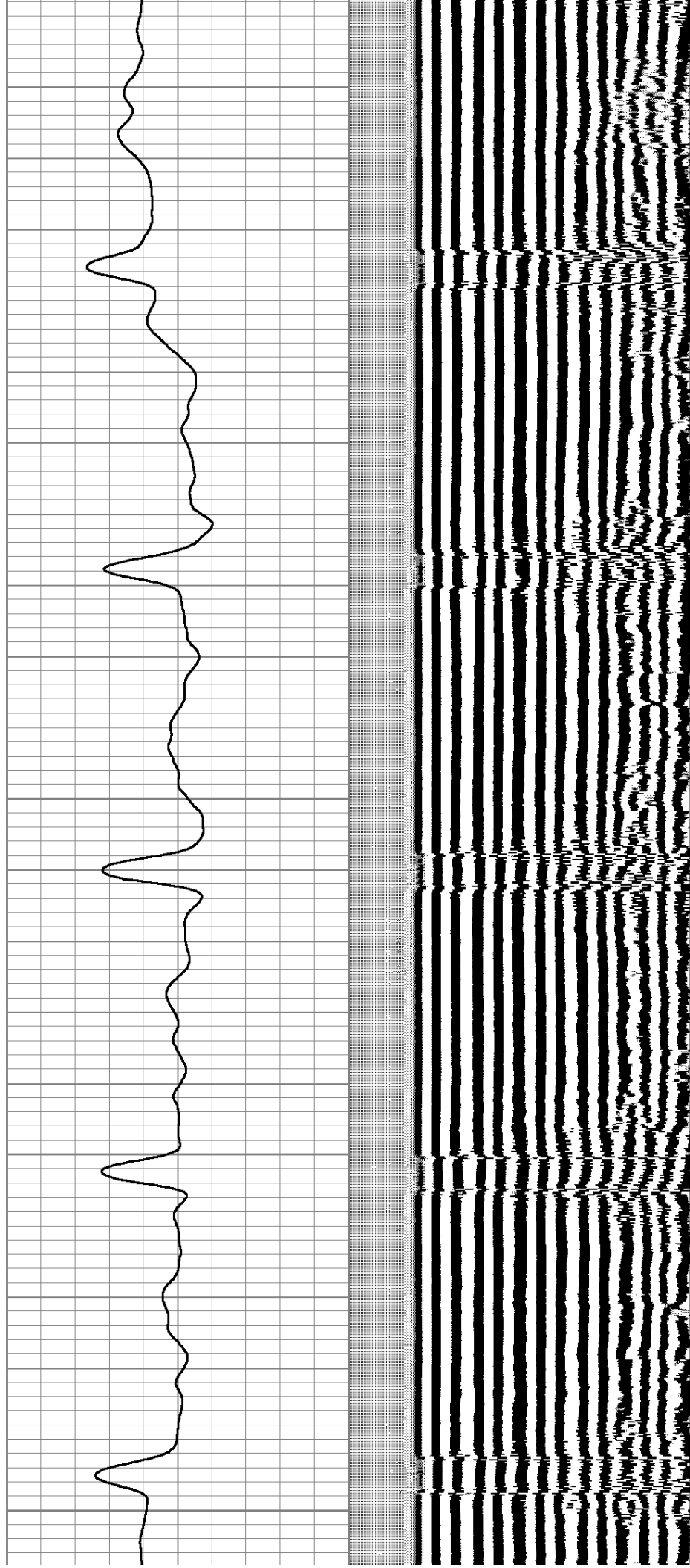
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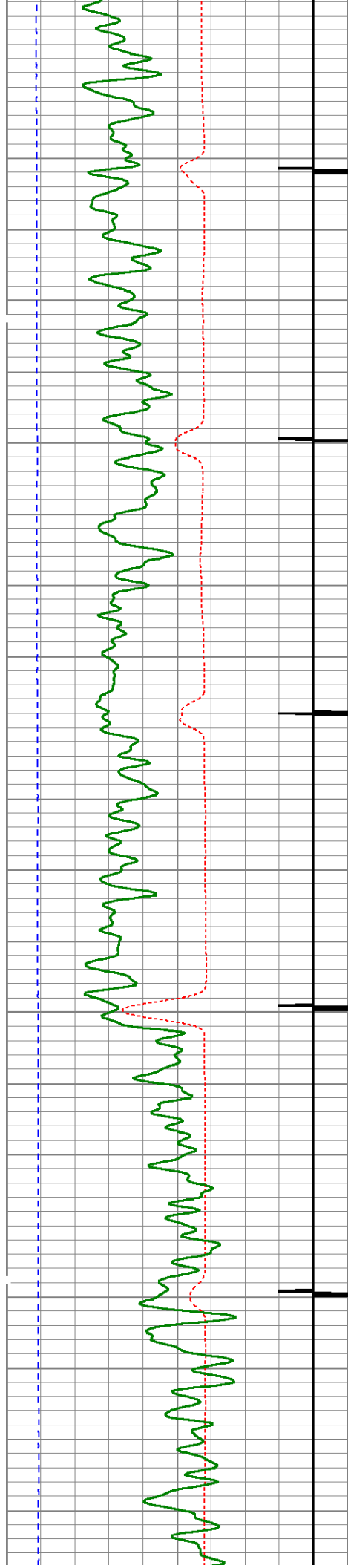
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500

550

600



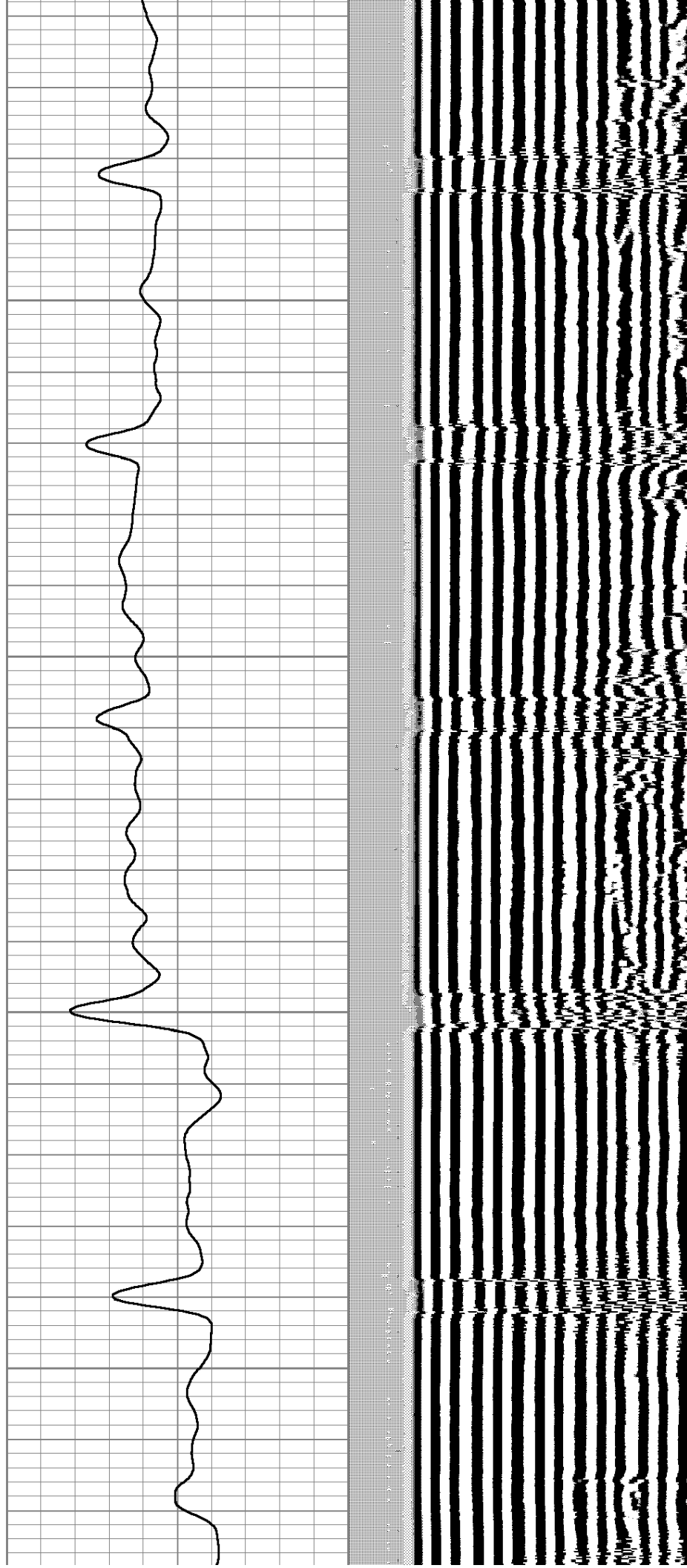


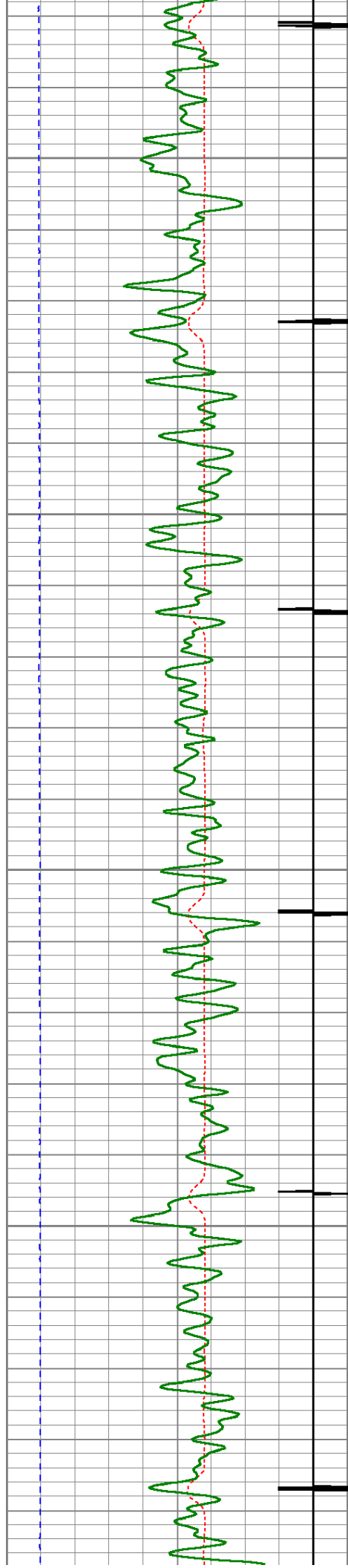
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700

750

800



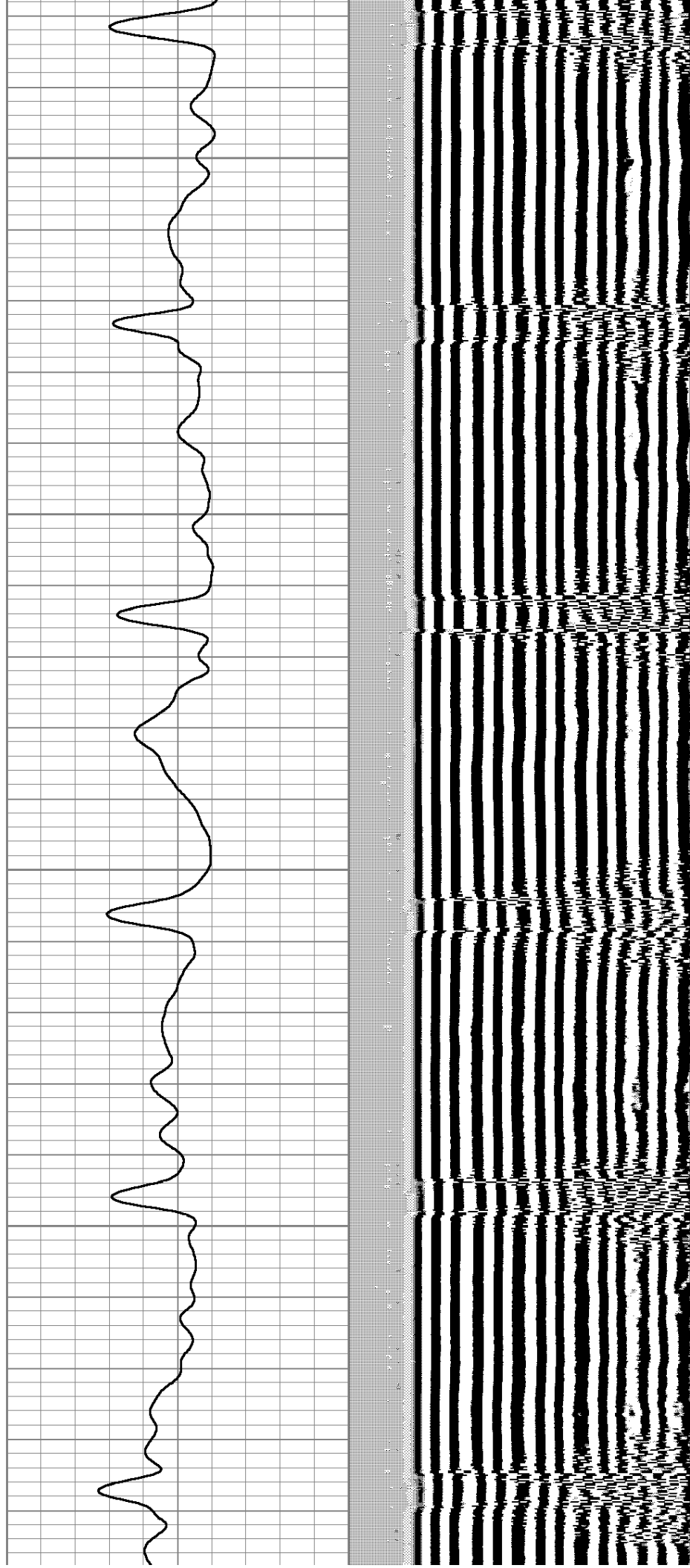


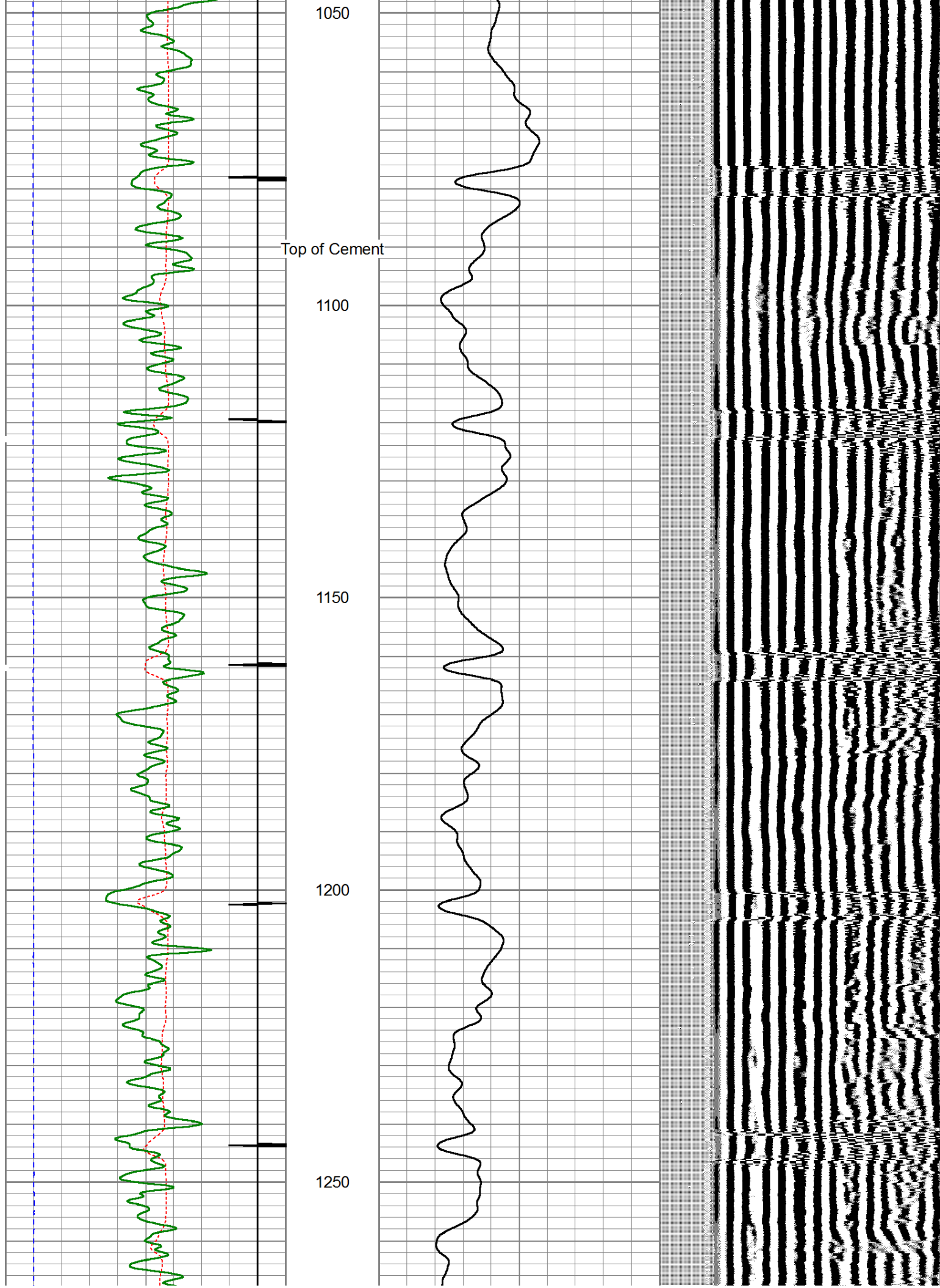
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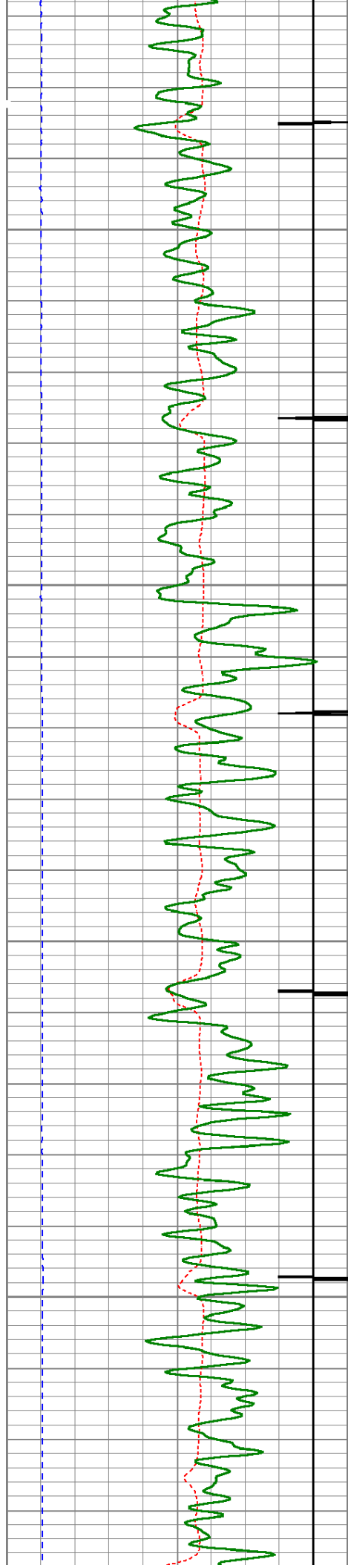
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1000





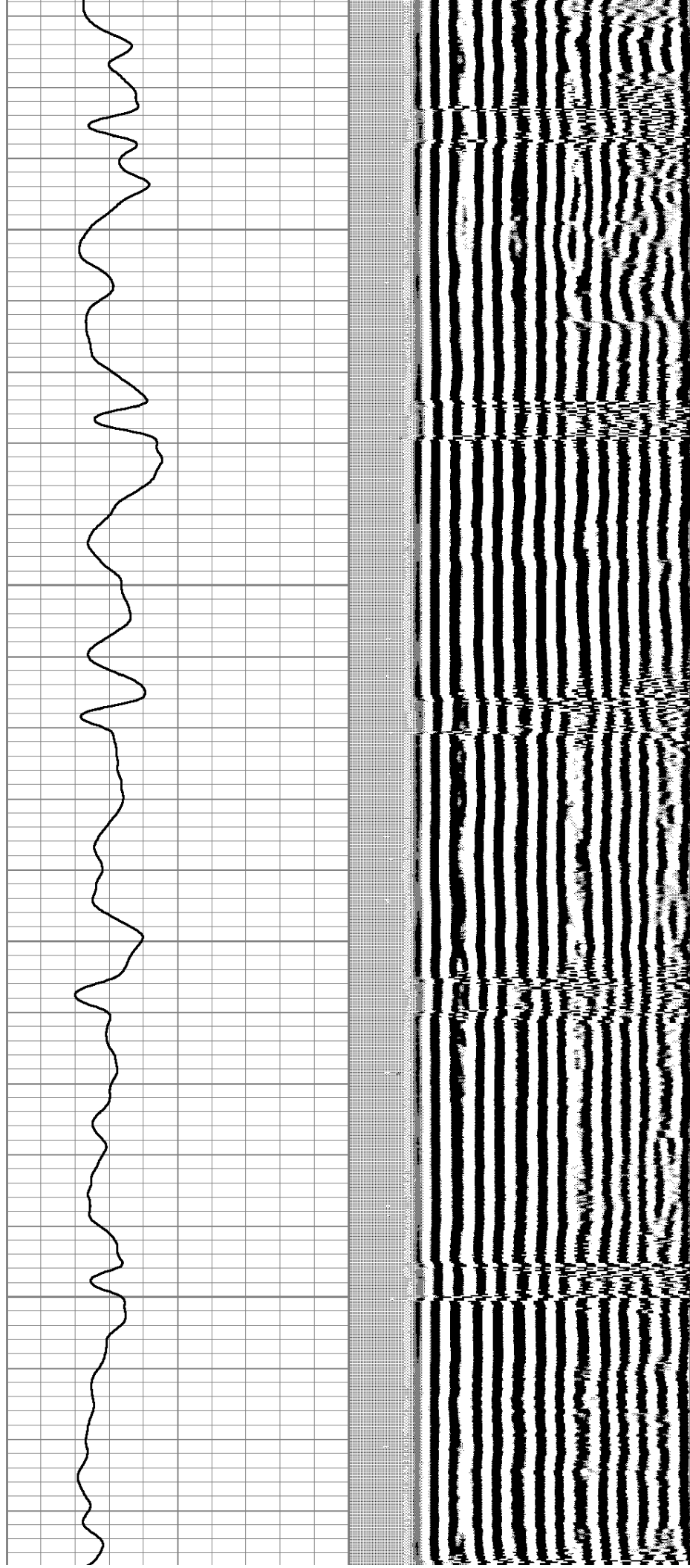


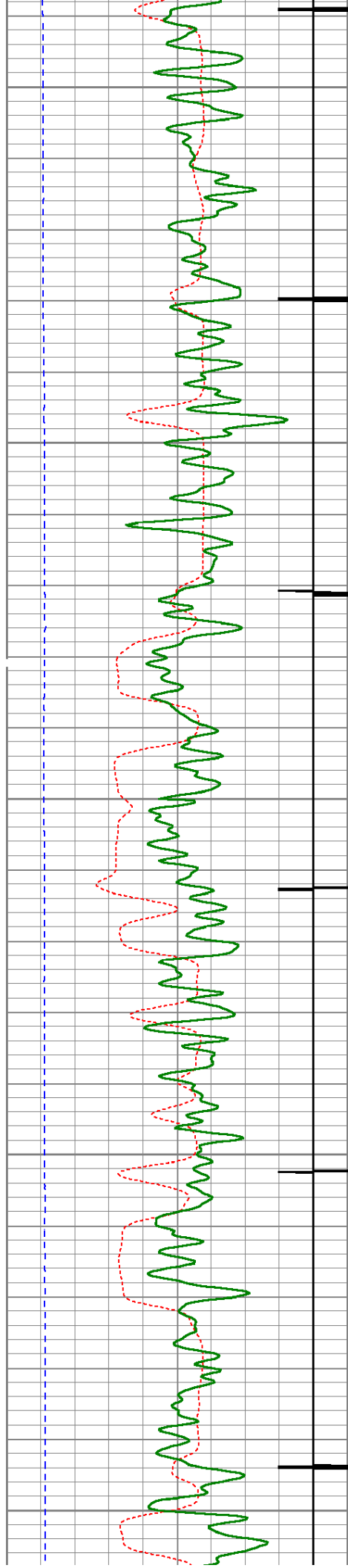
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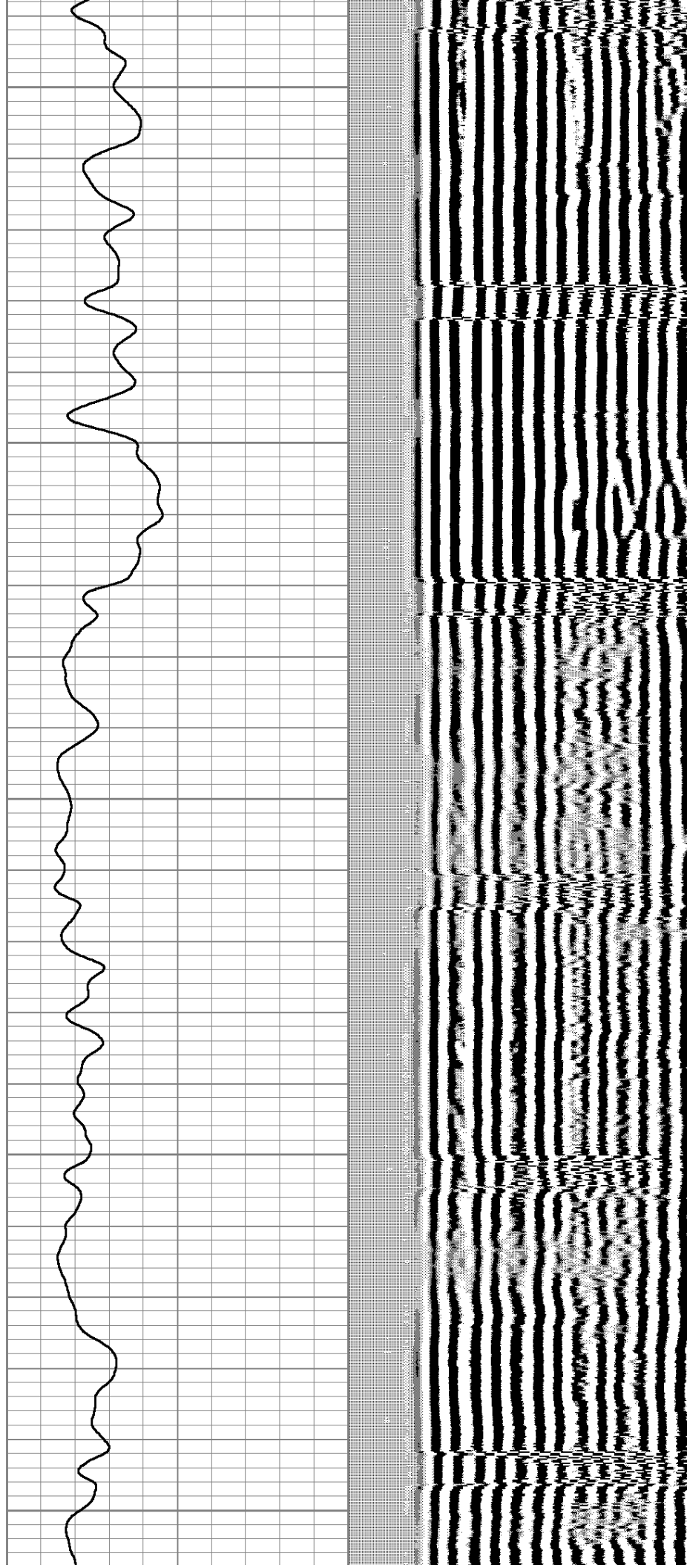
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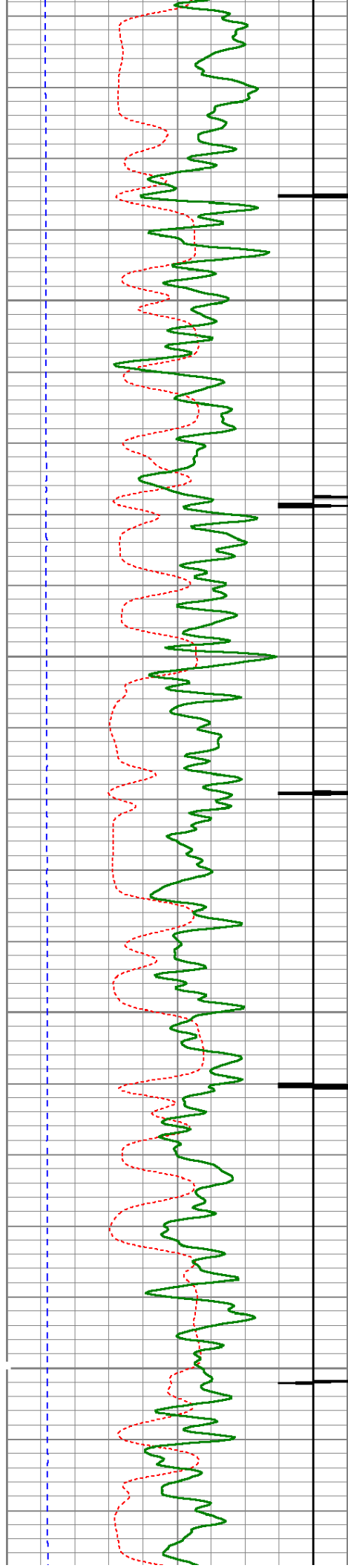
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1700



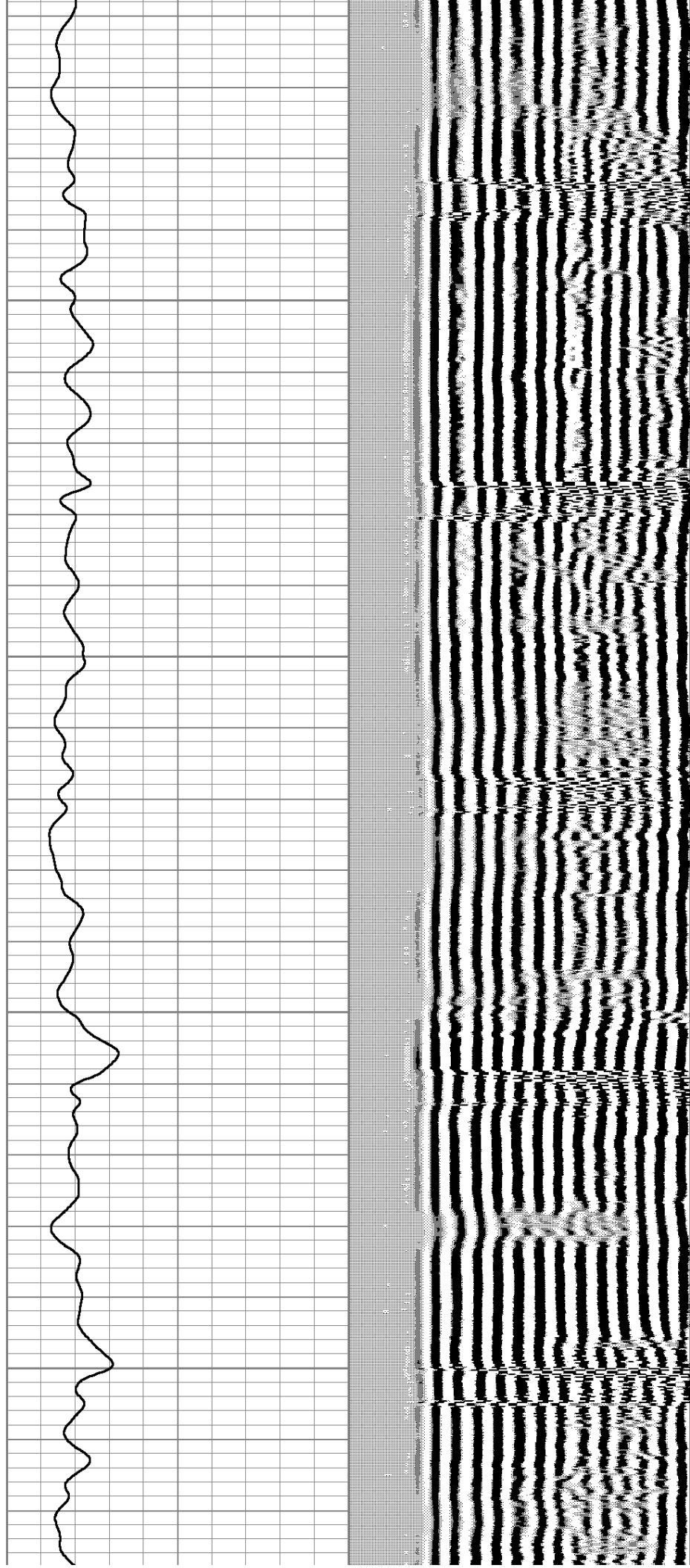


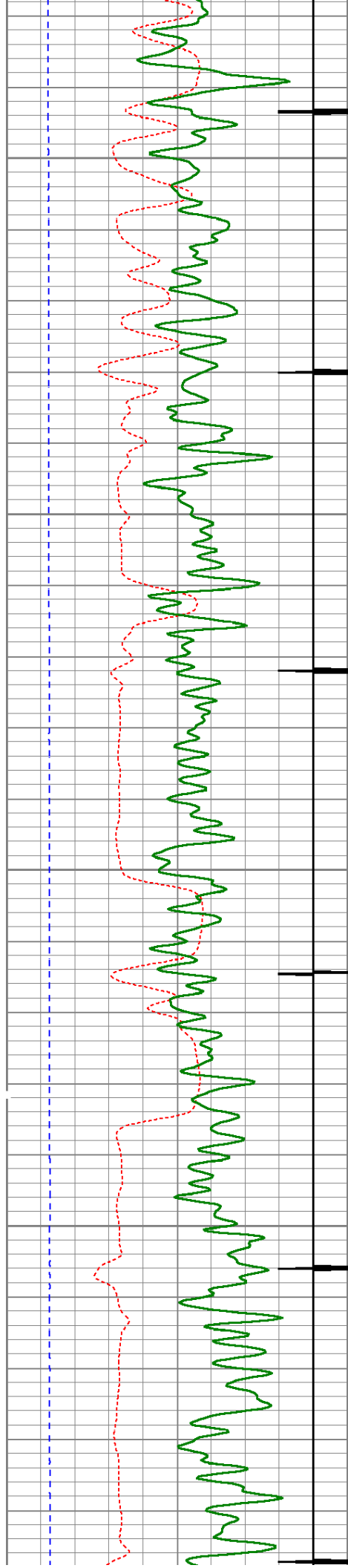
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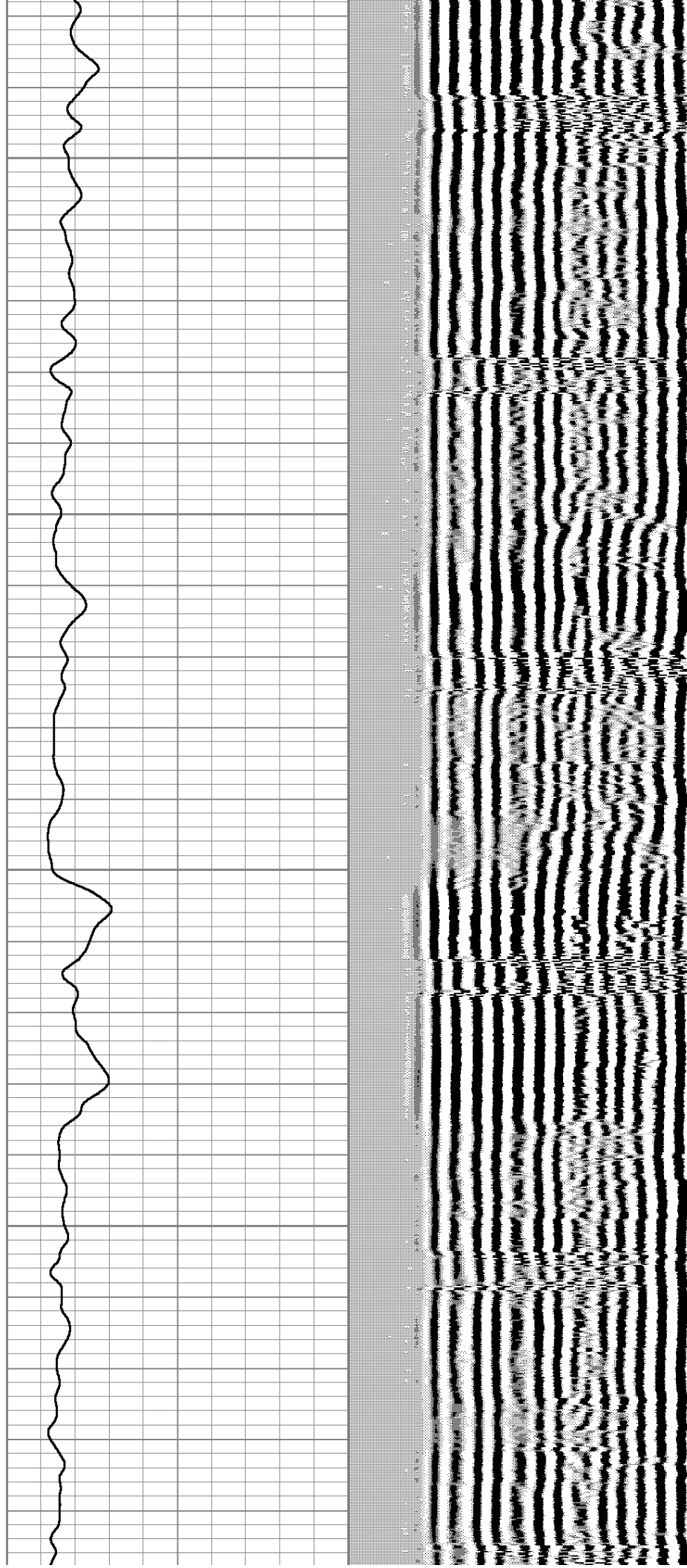


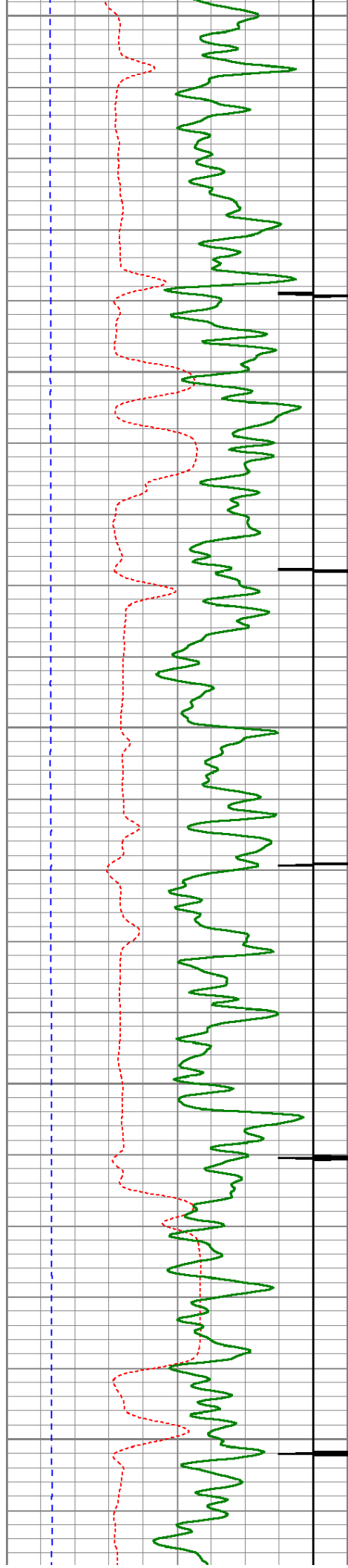
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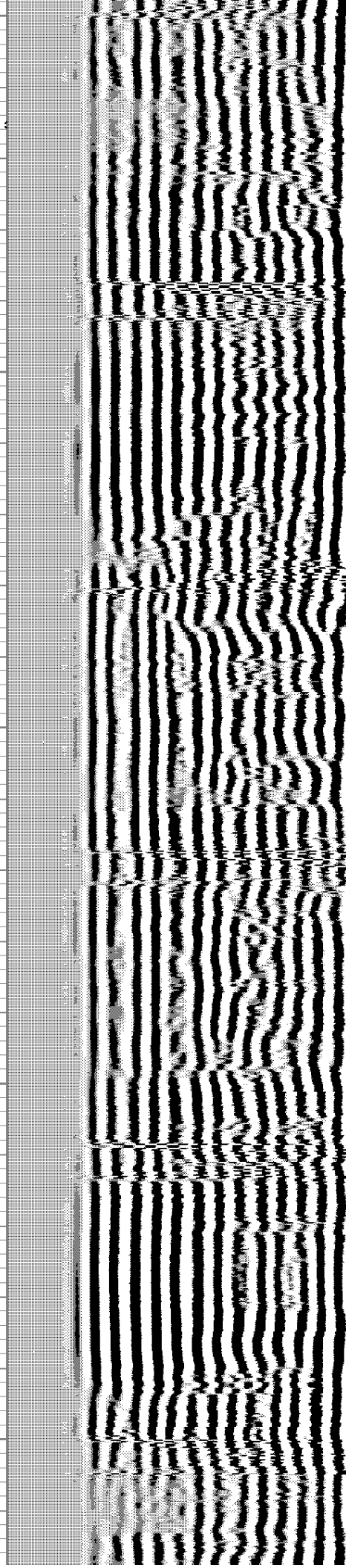
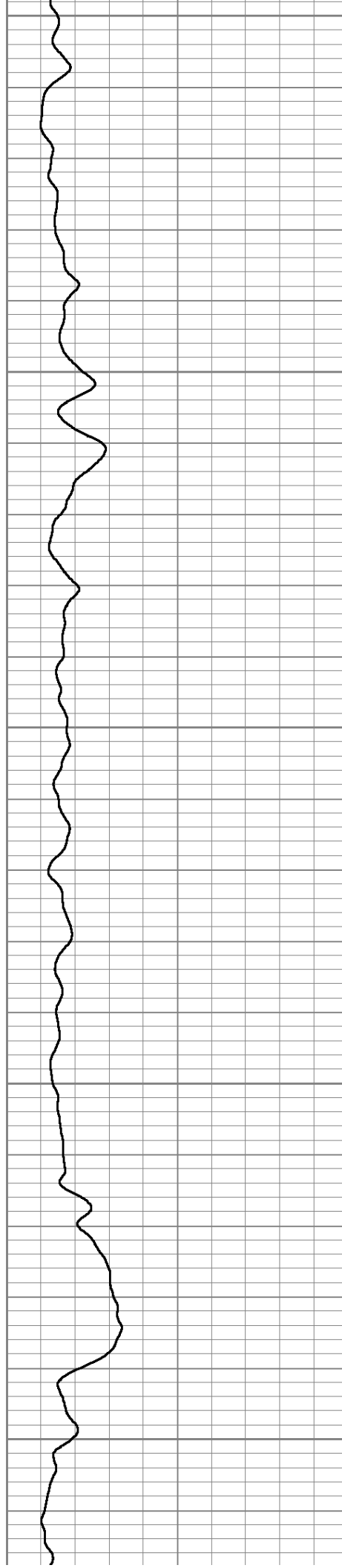
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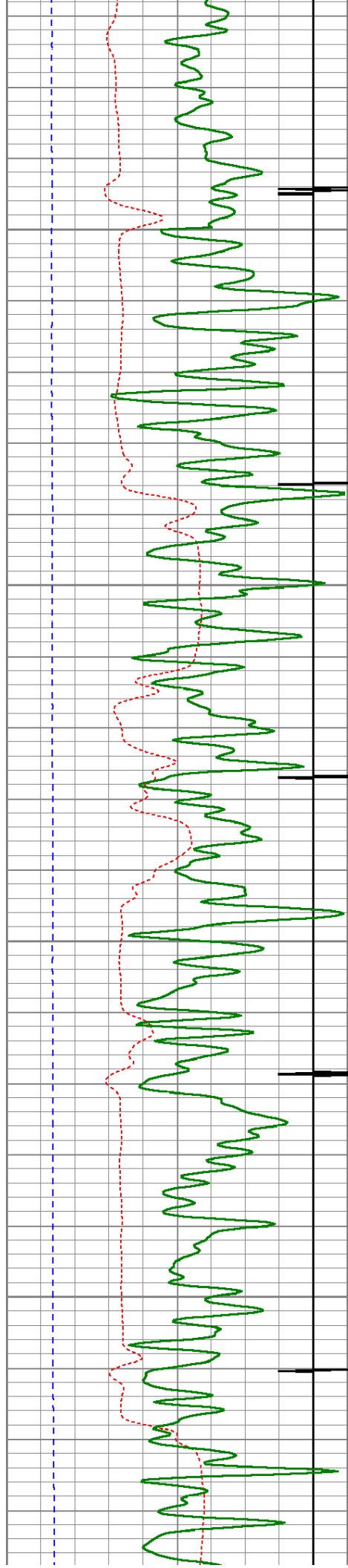
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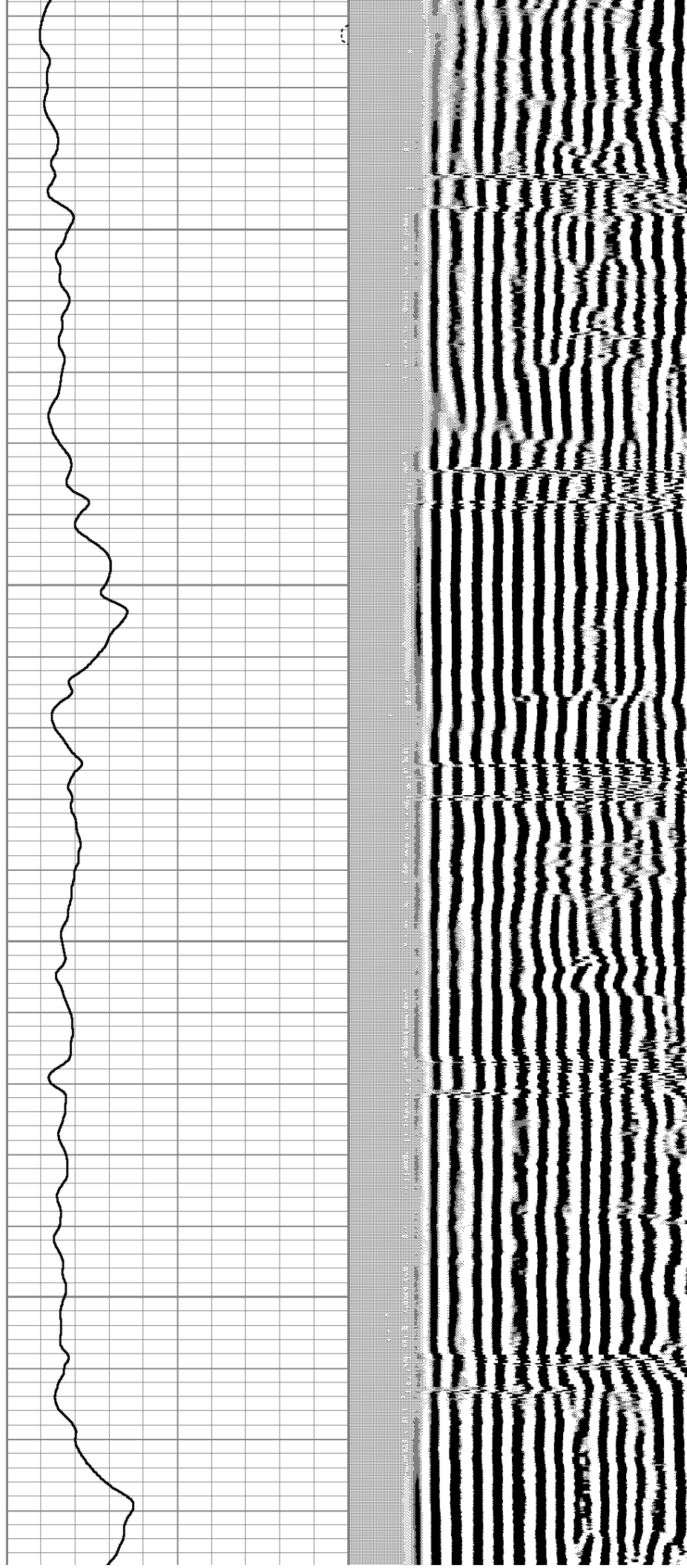


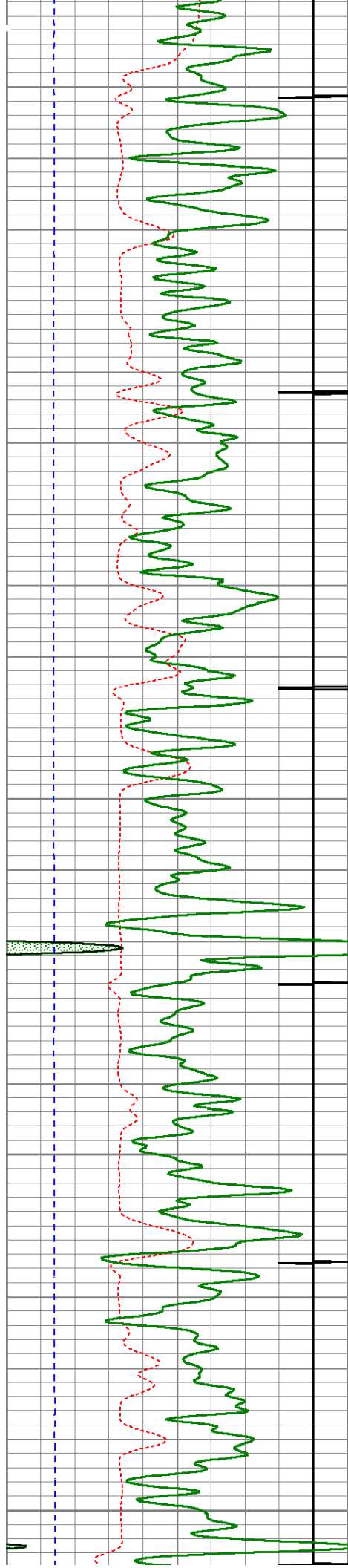
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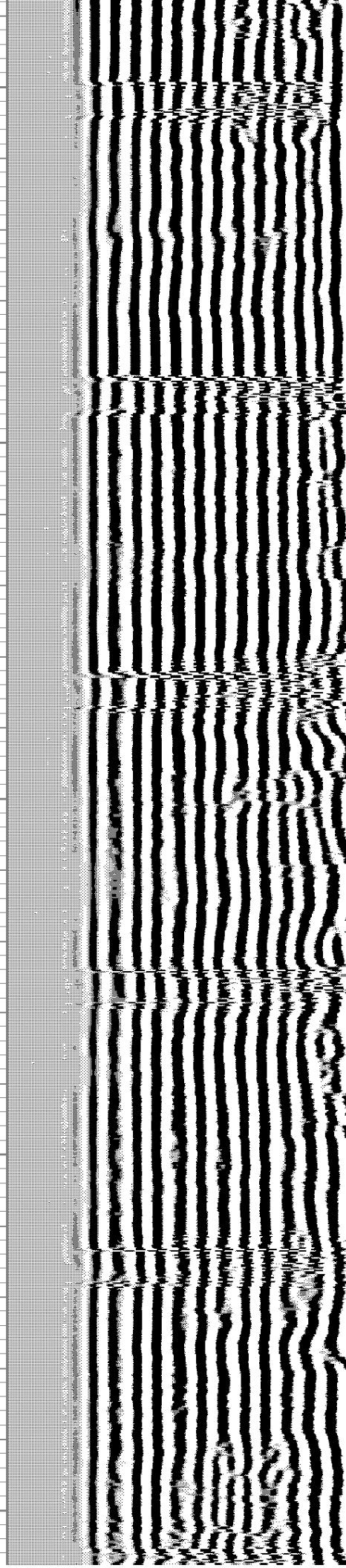
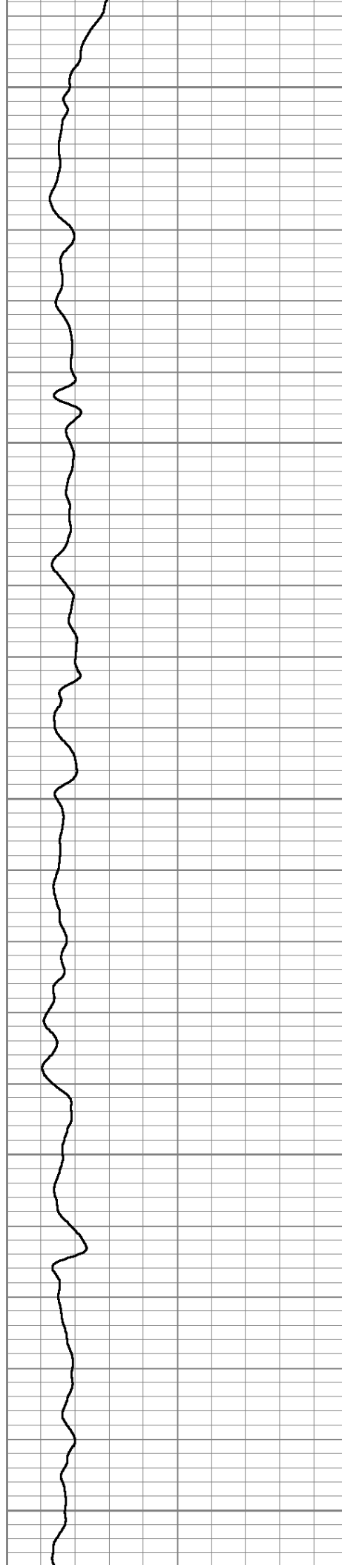
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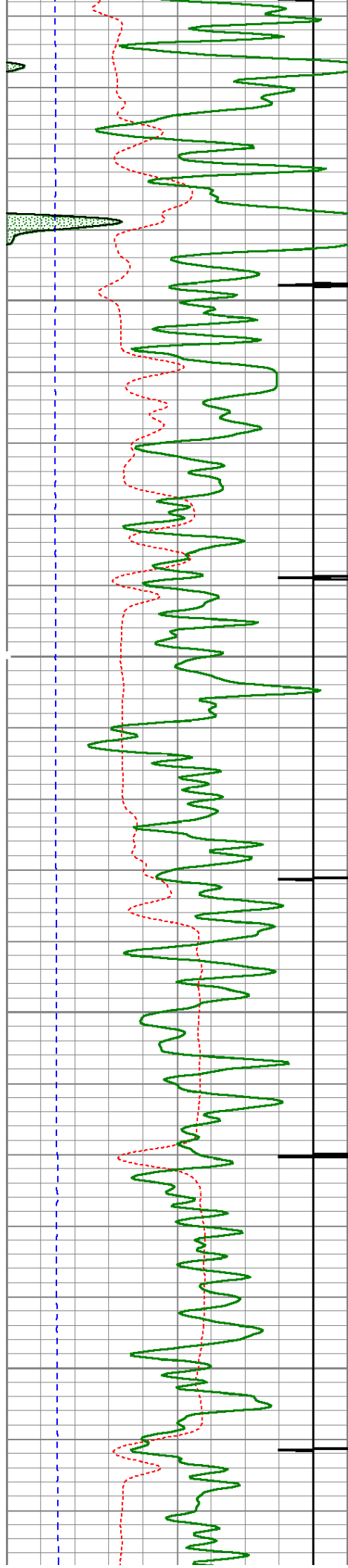
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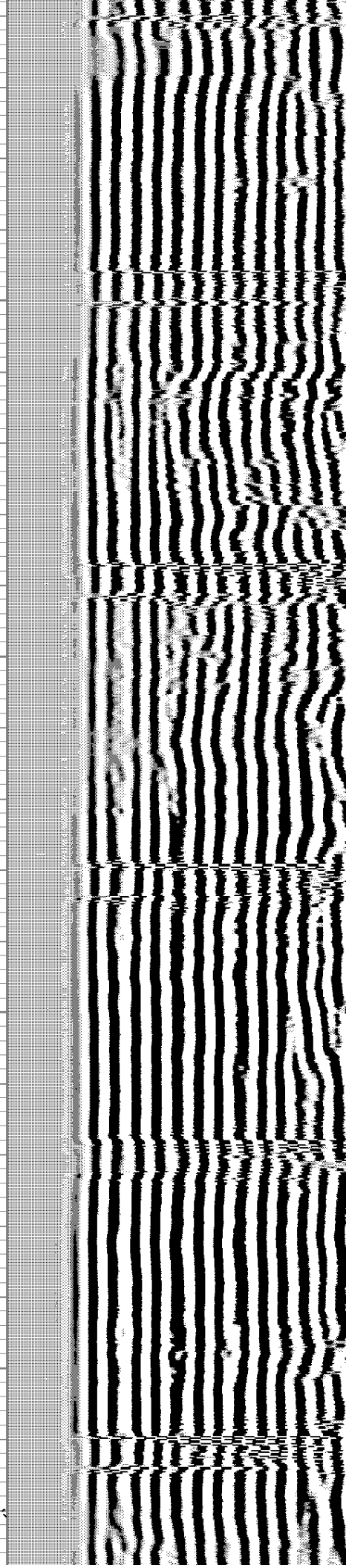
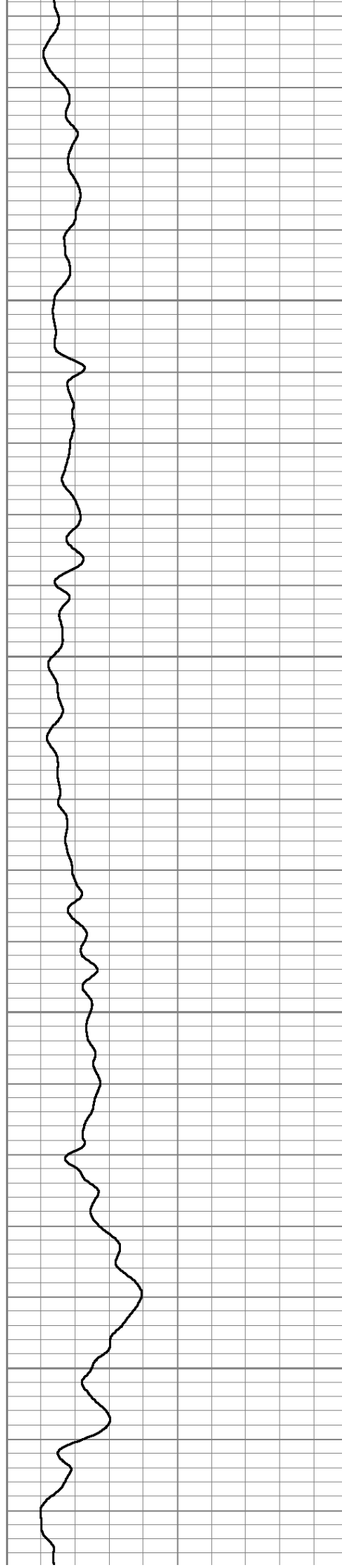


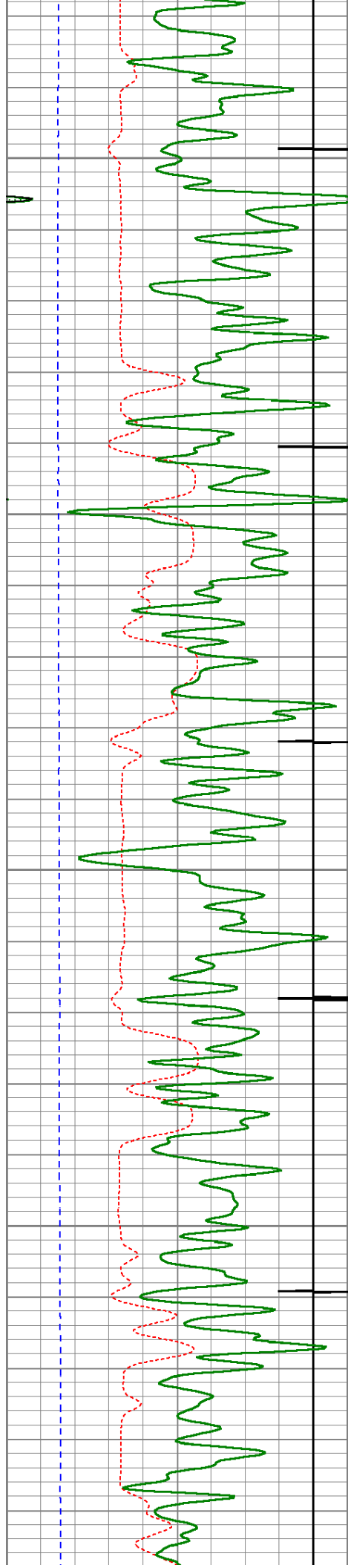
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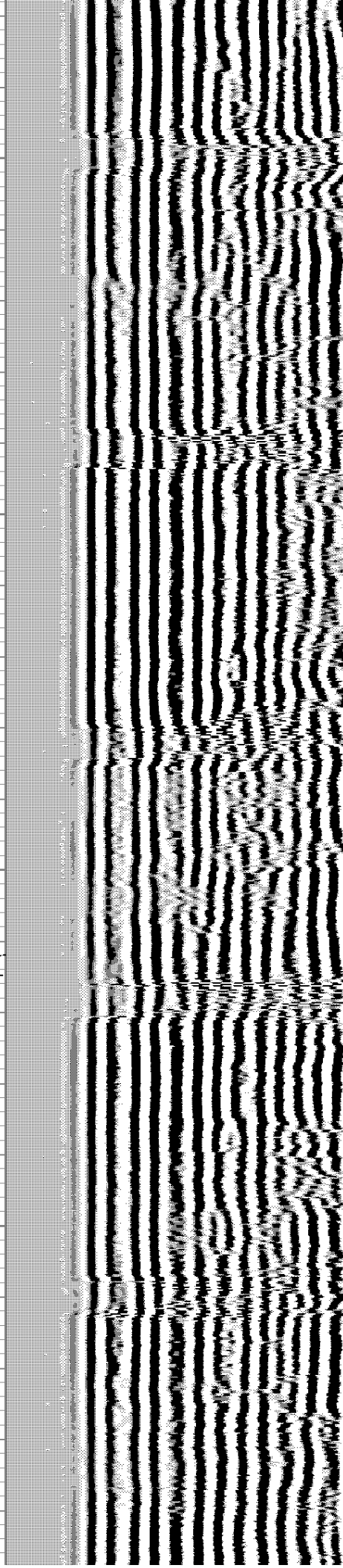
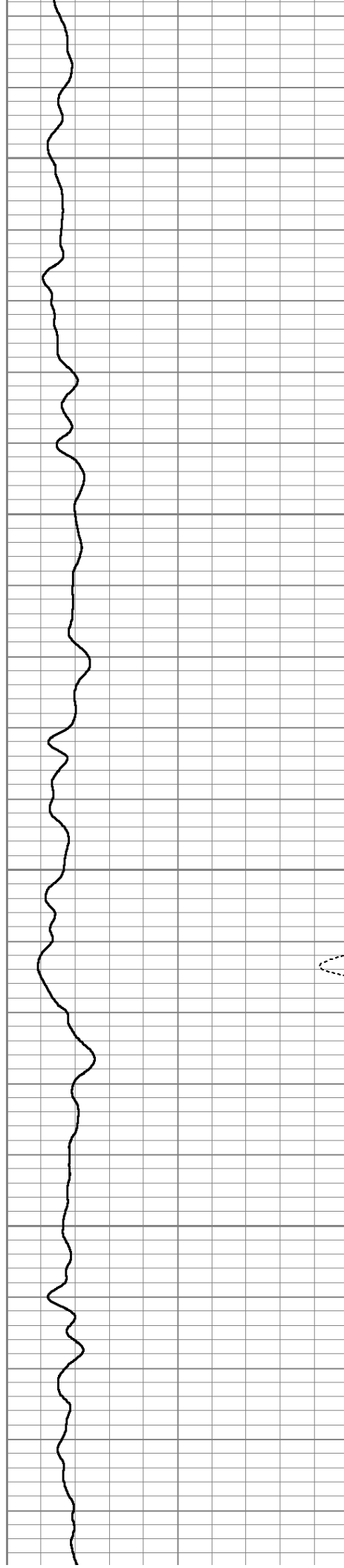


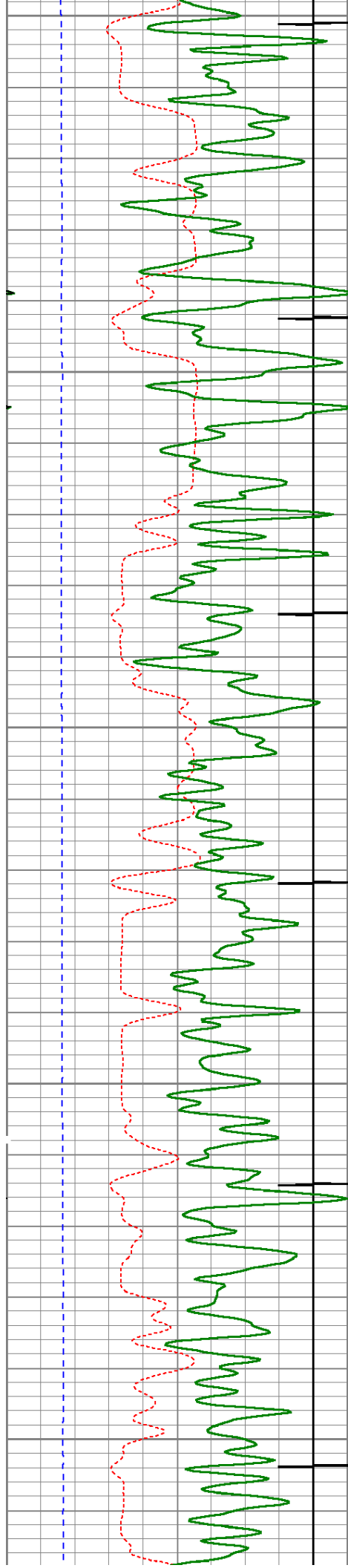
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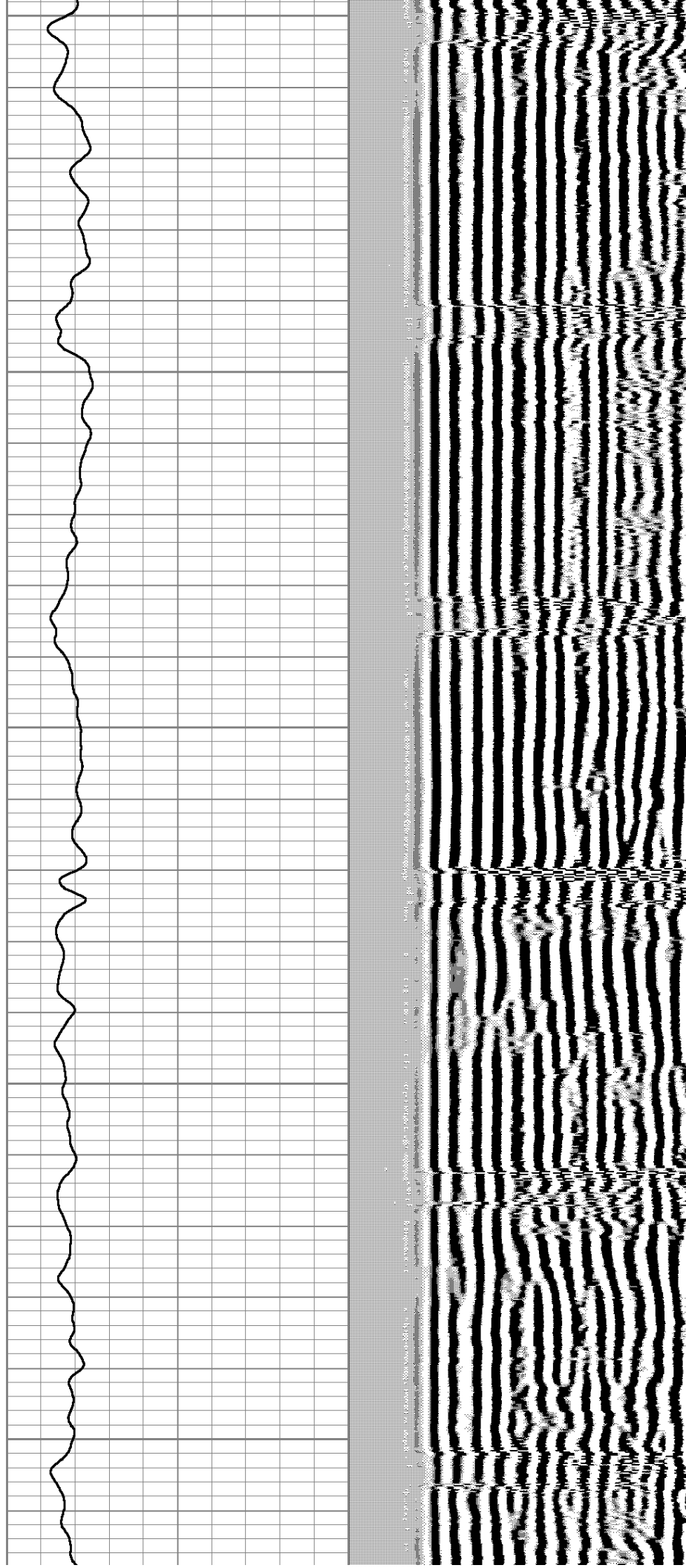
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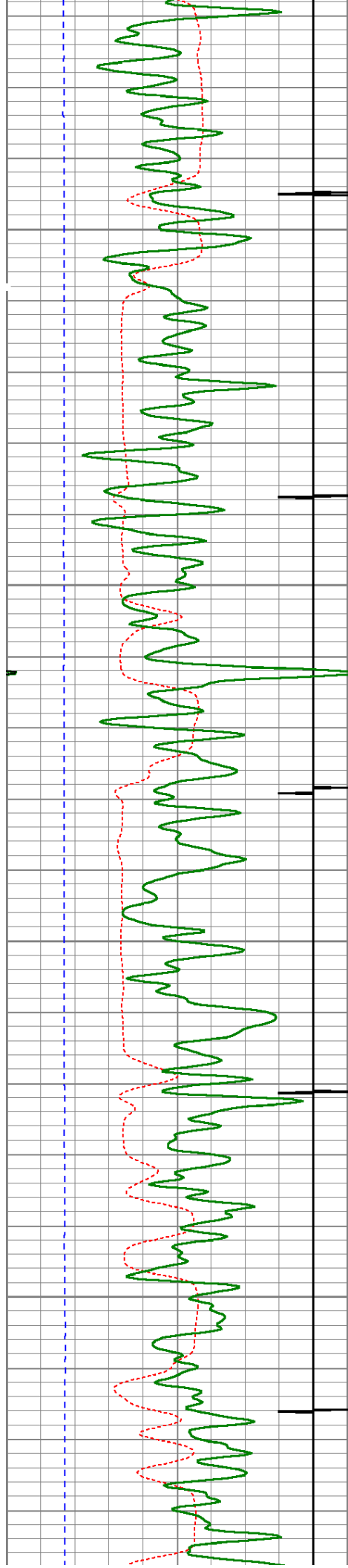
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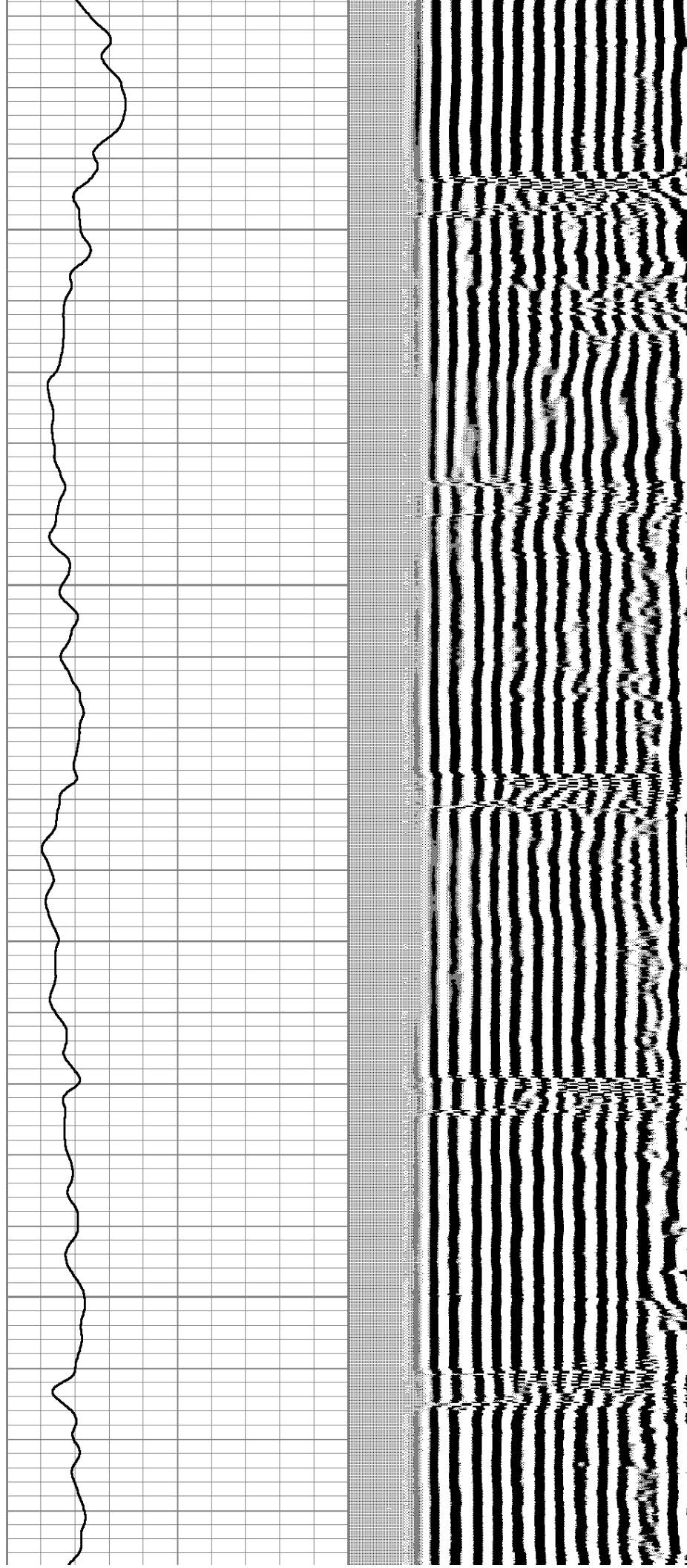


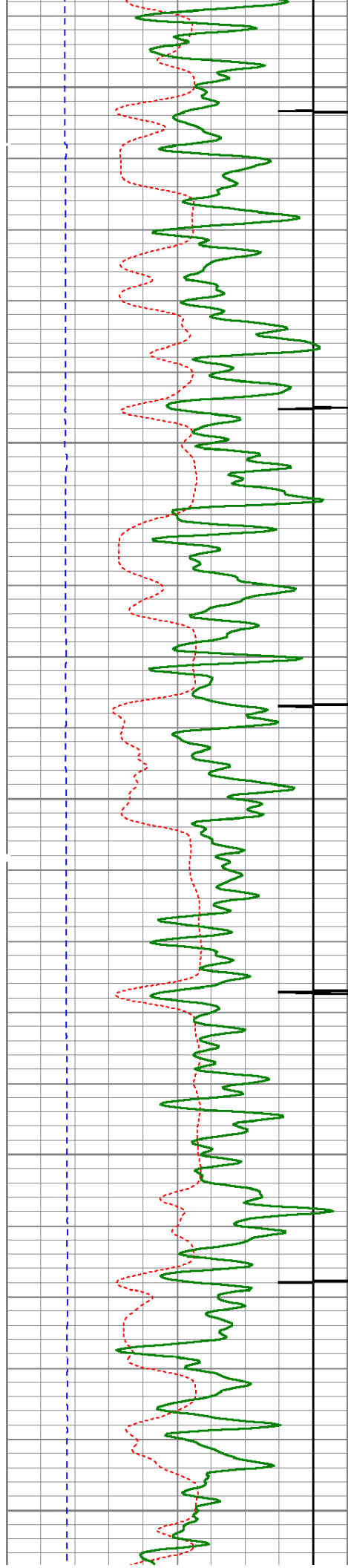
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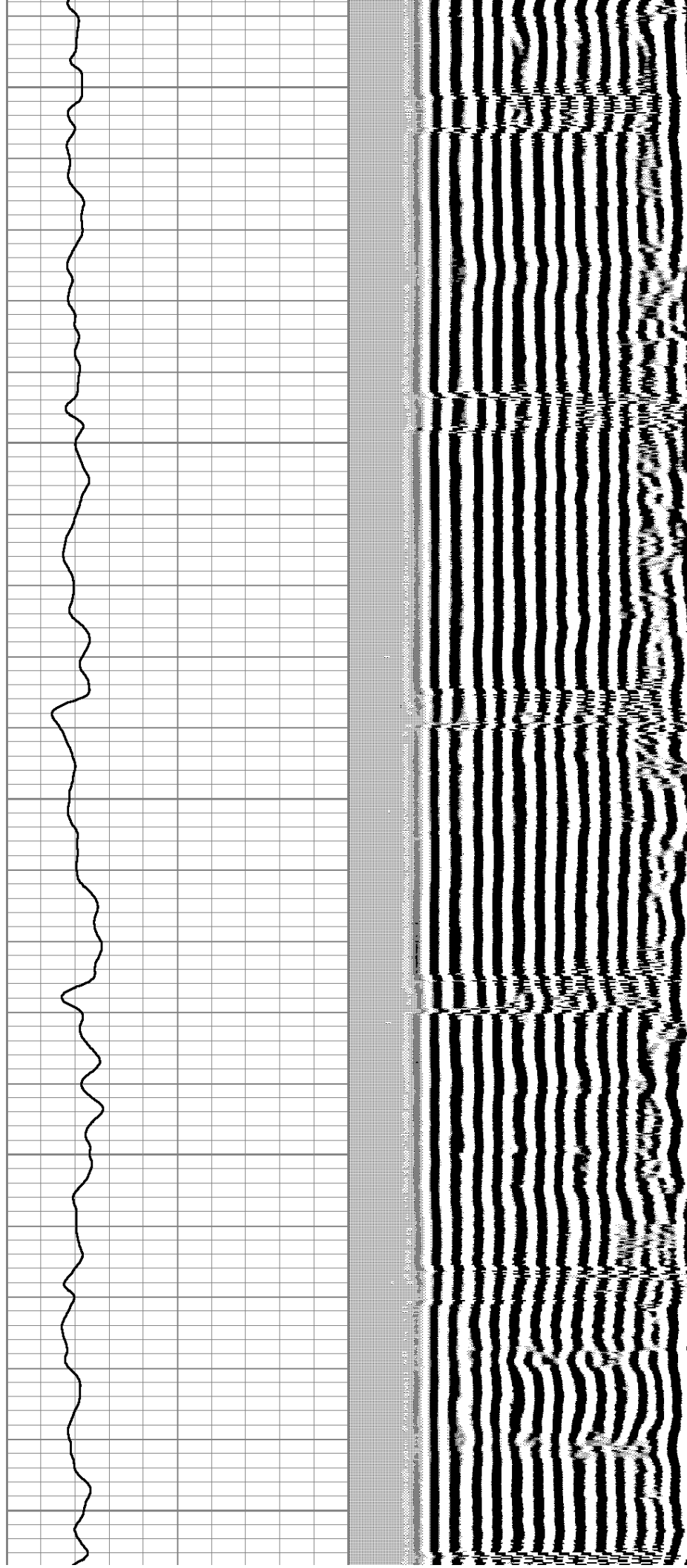
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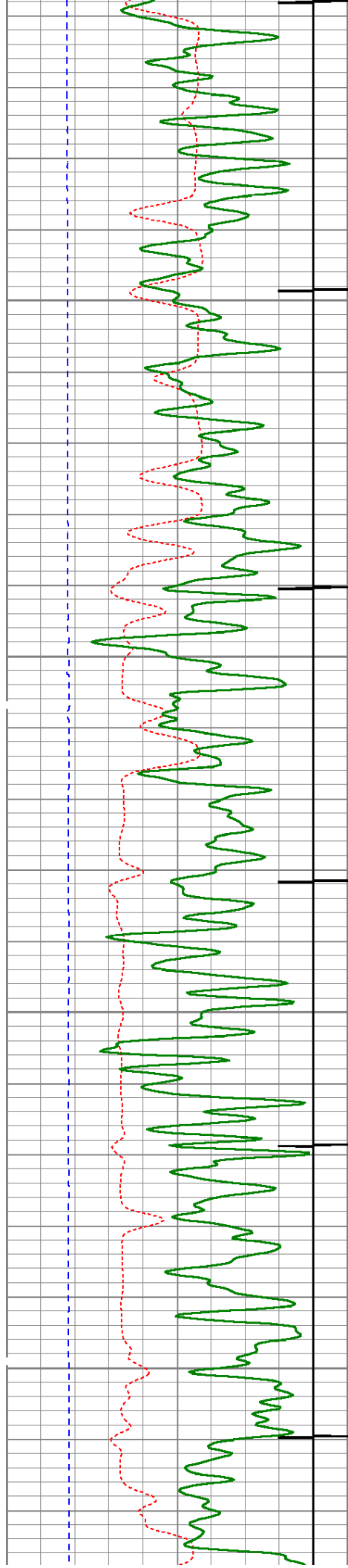
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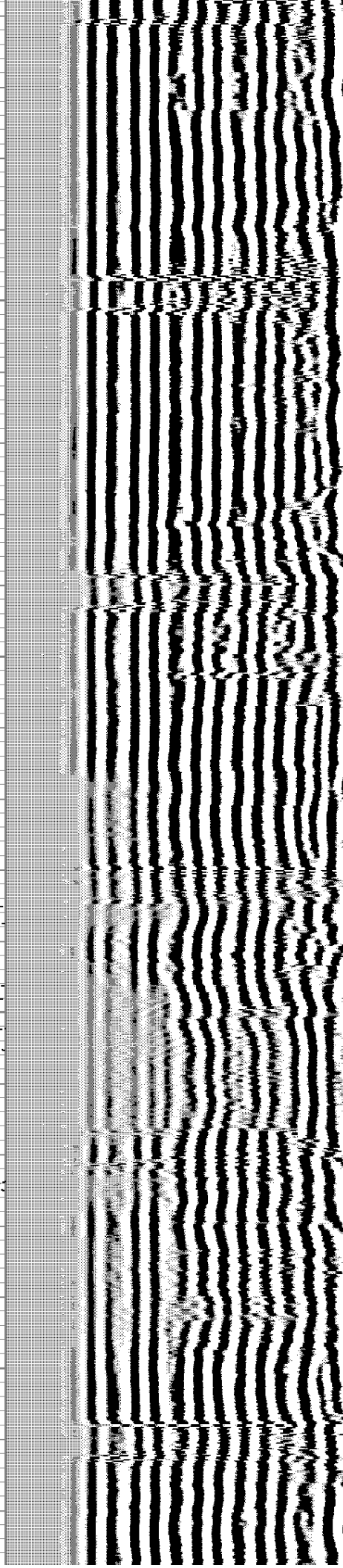
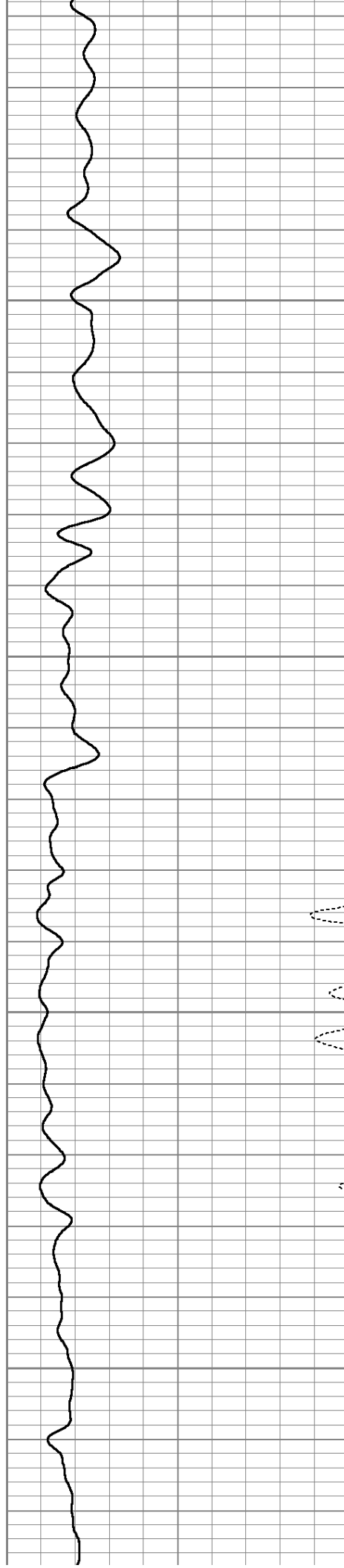


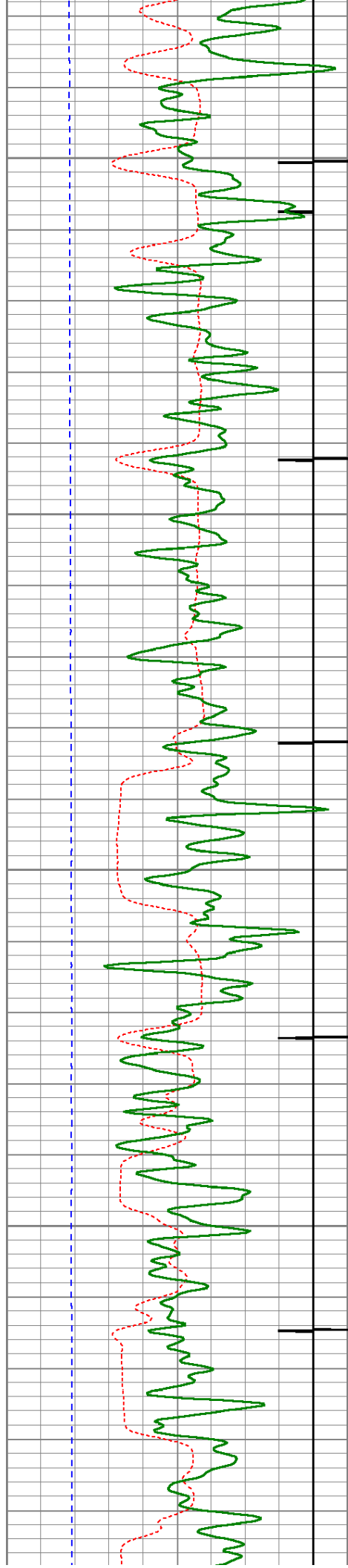
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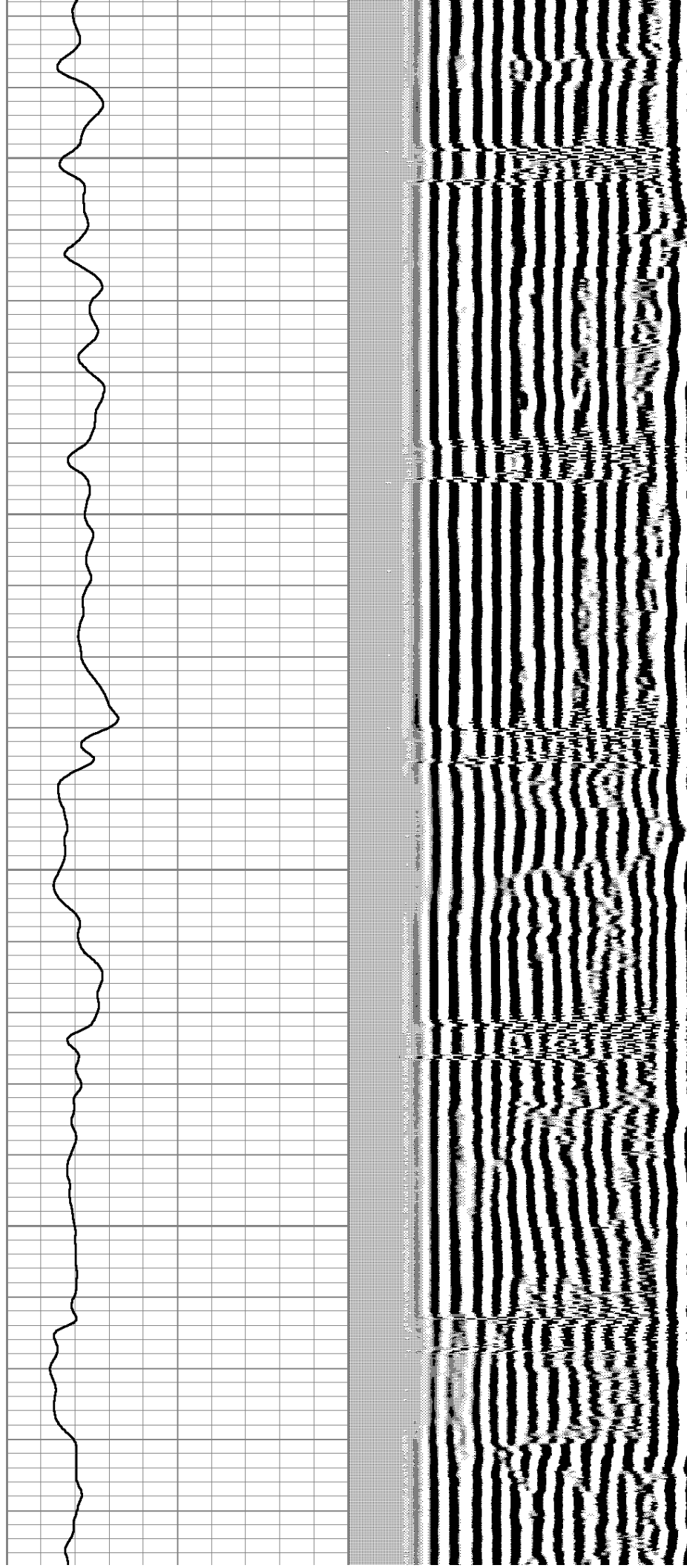


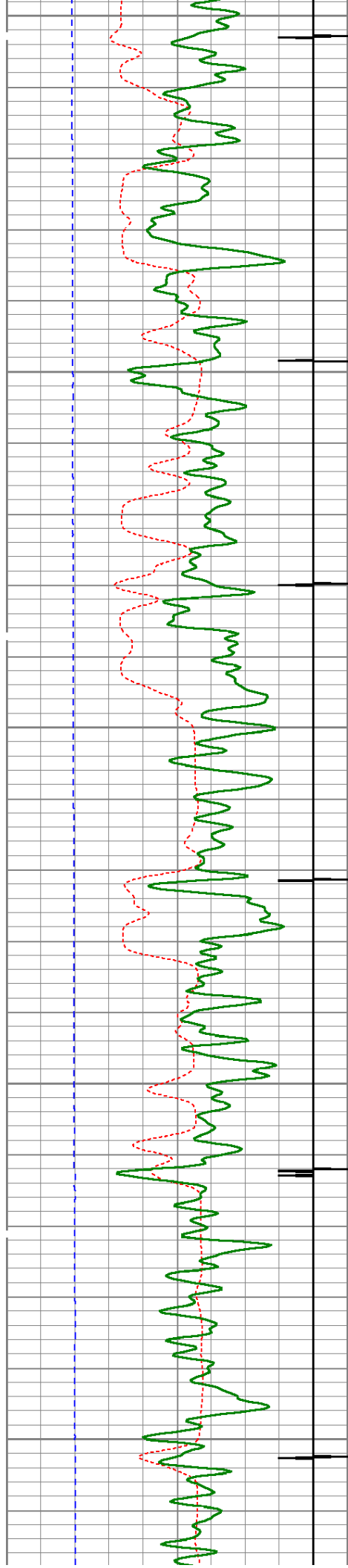
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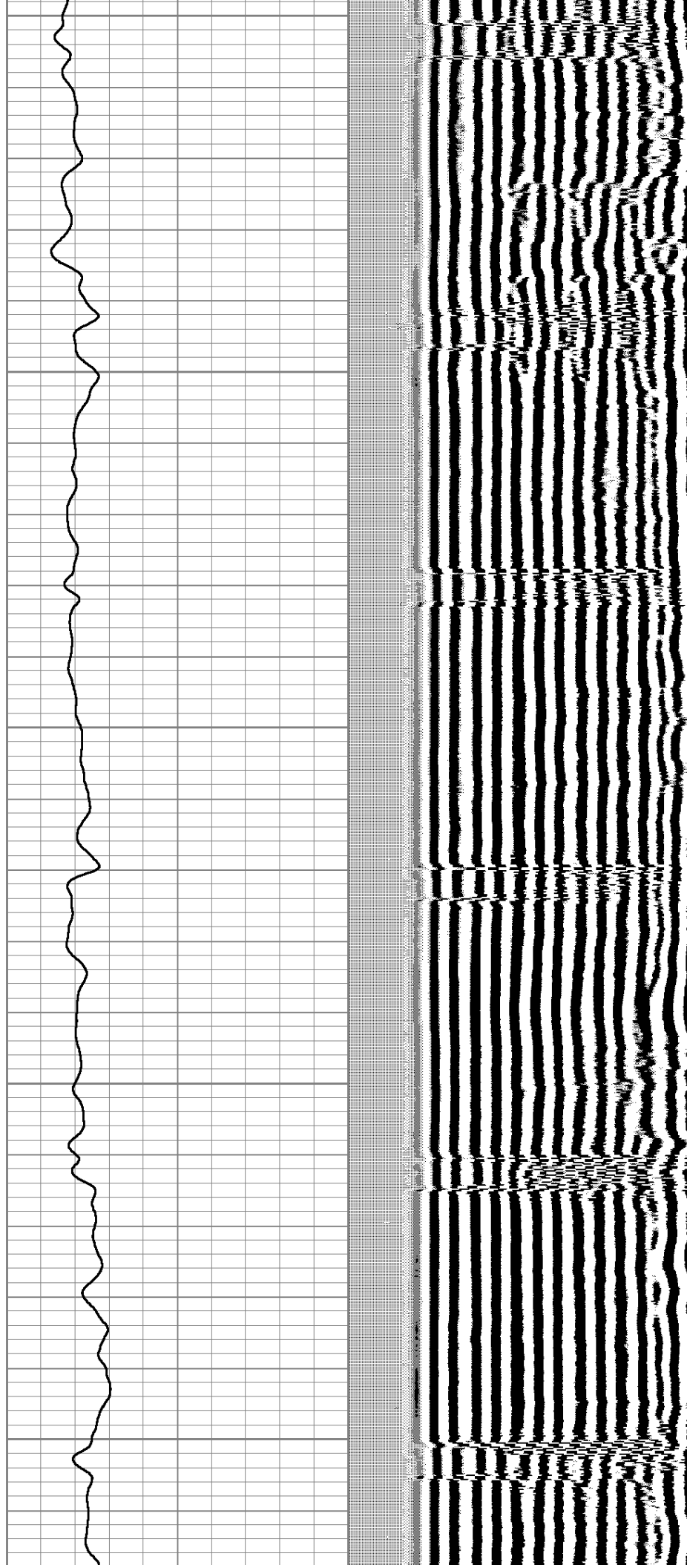
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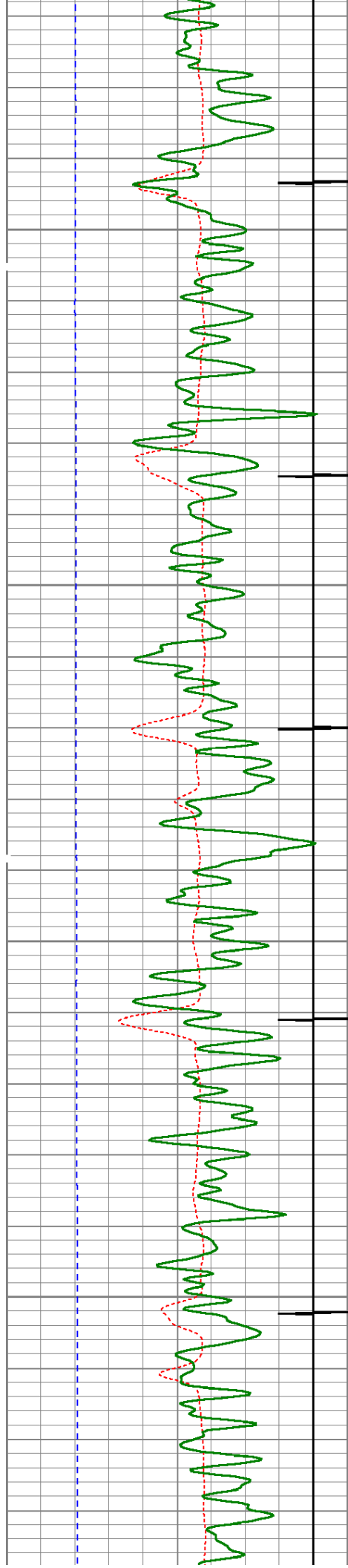
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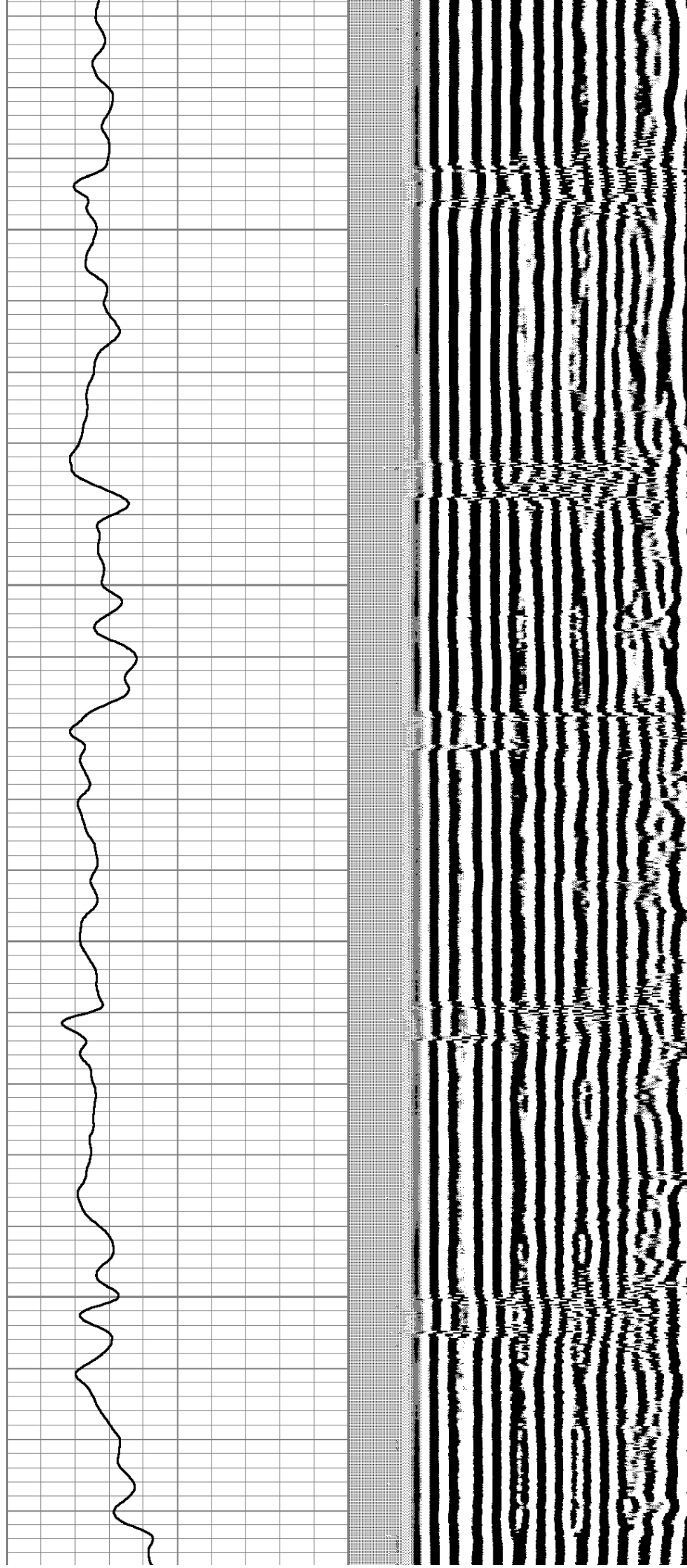


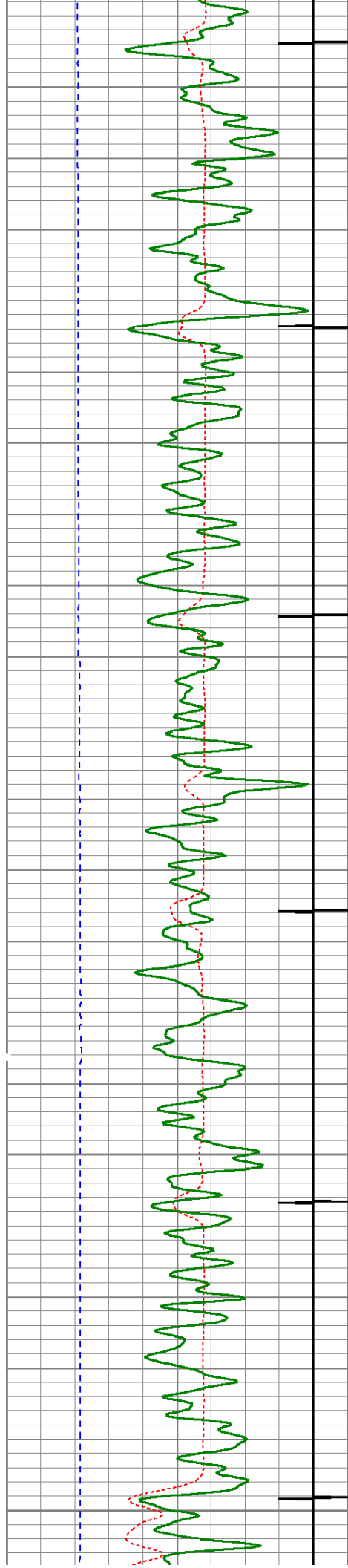
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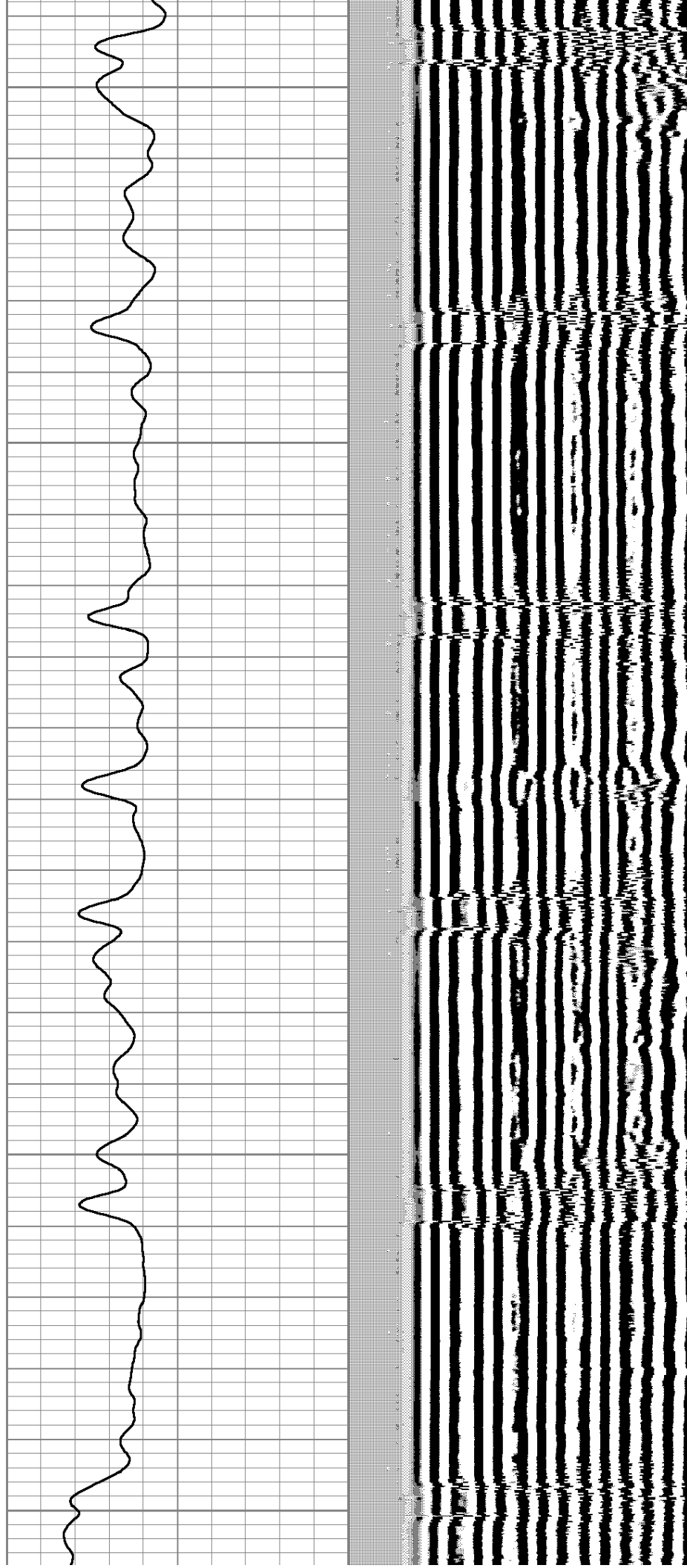
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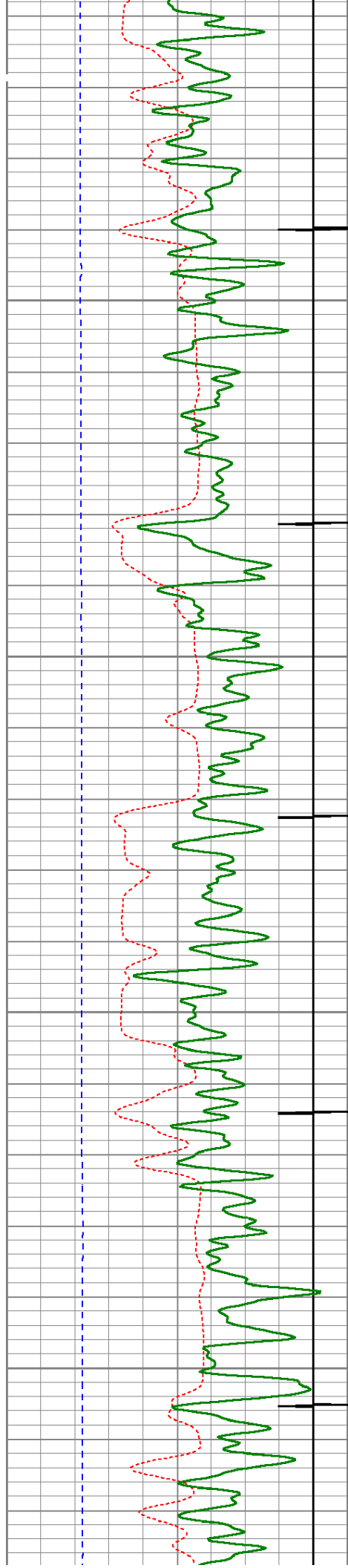
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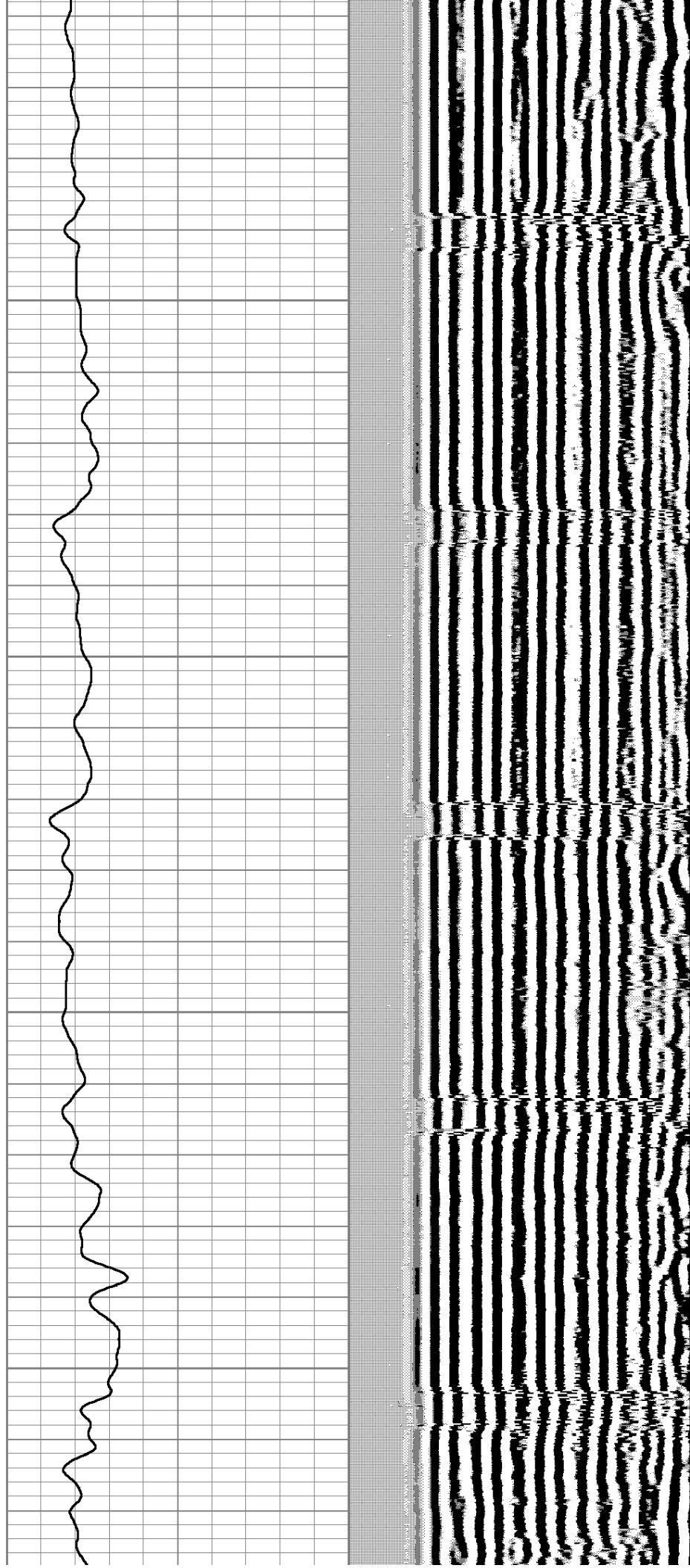


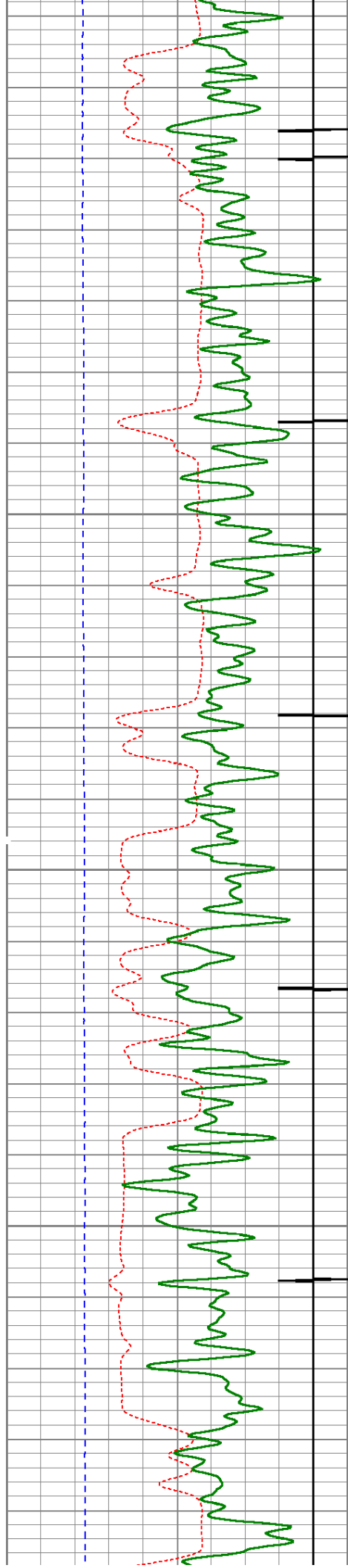
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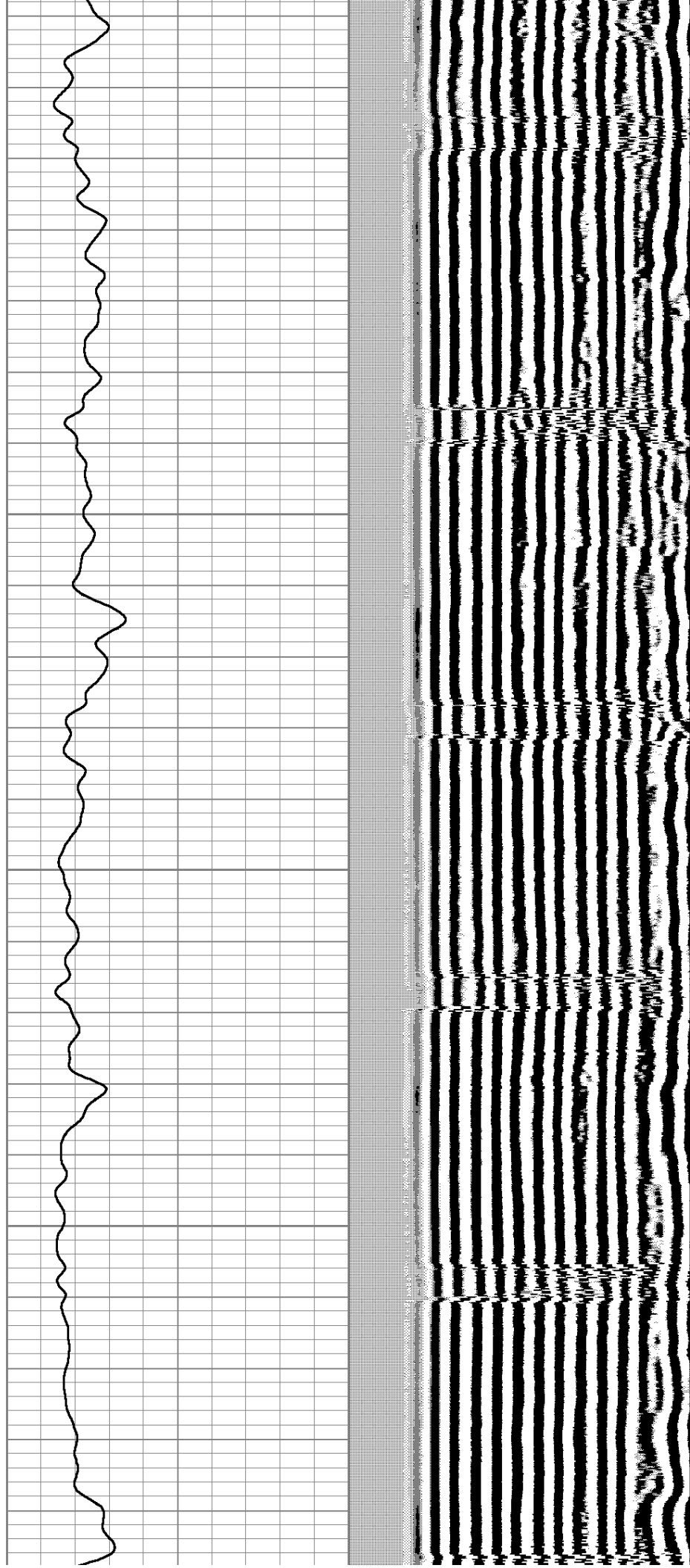


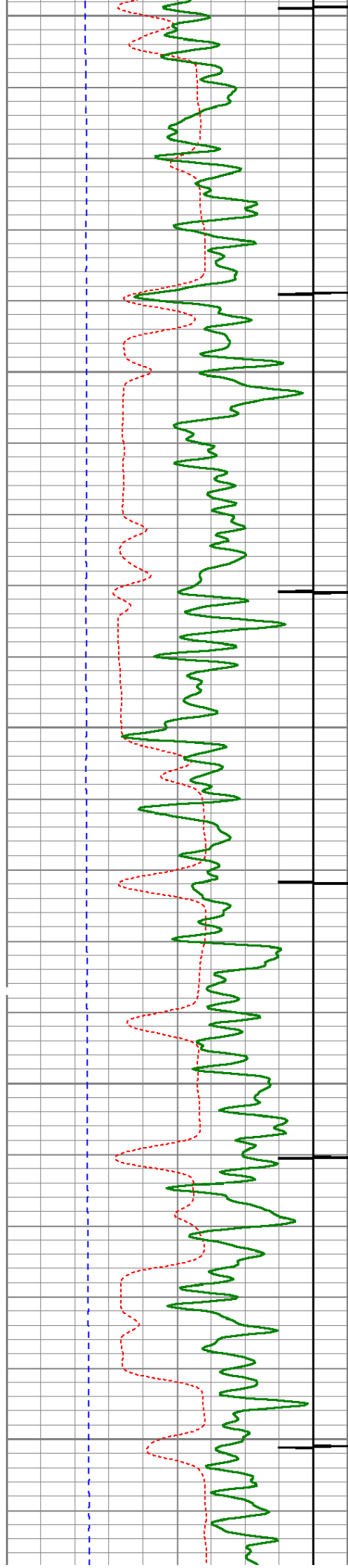
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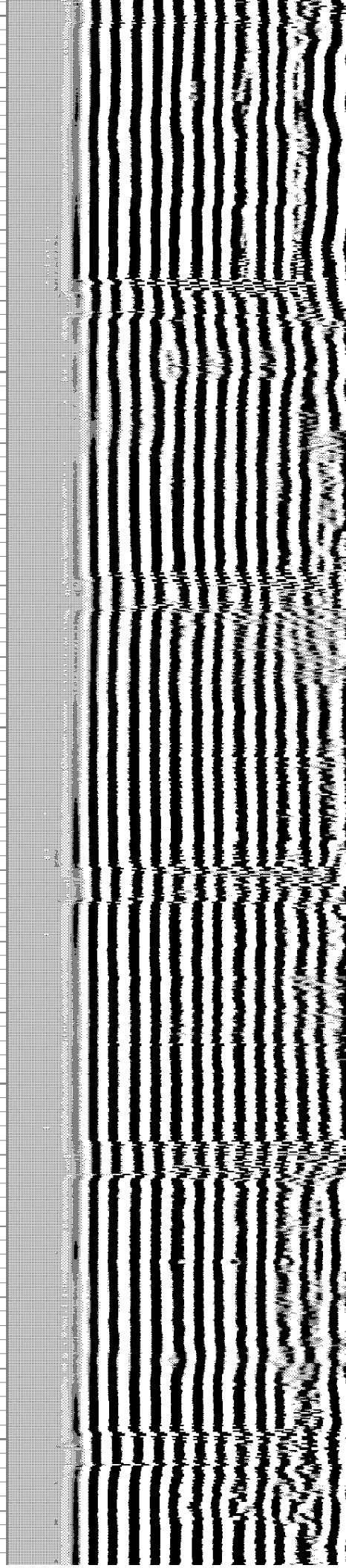
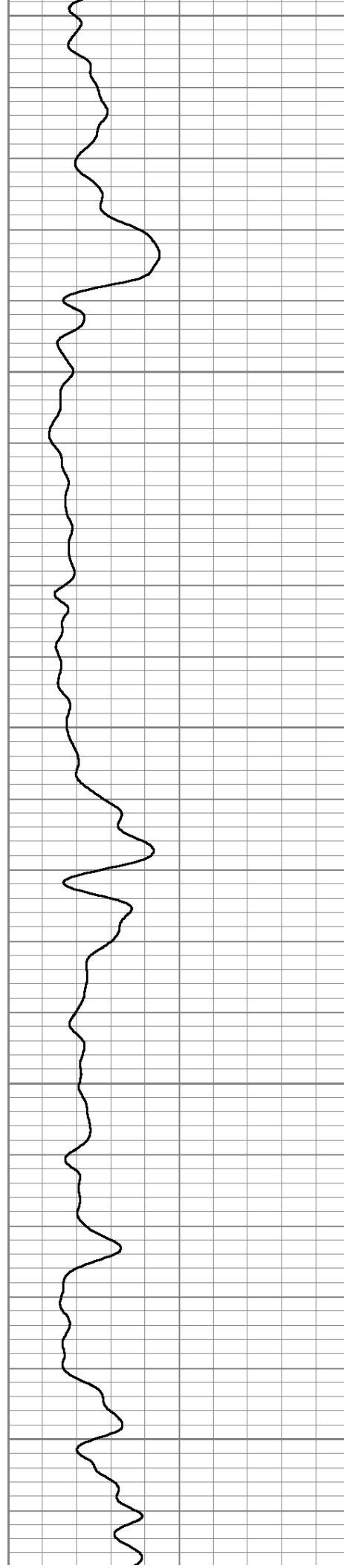
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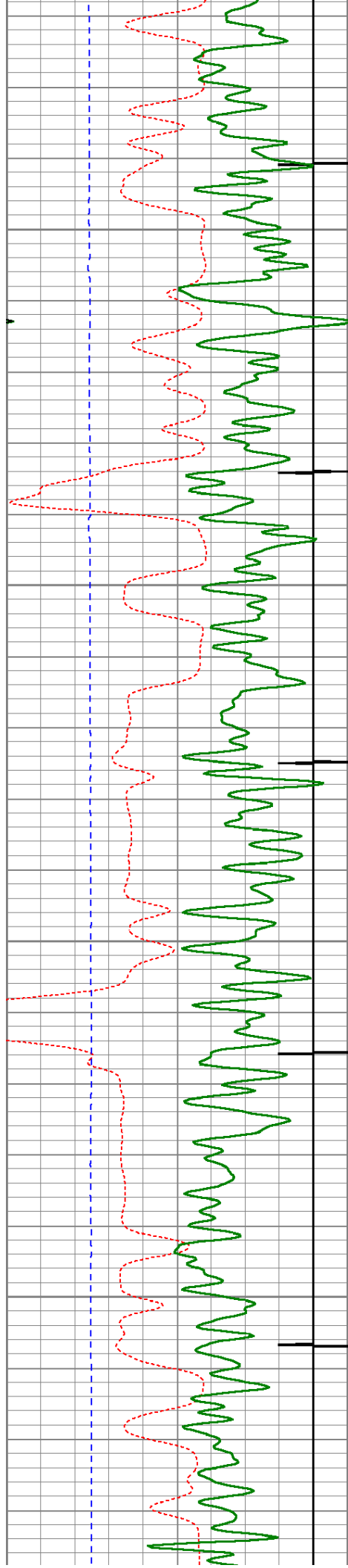
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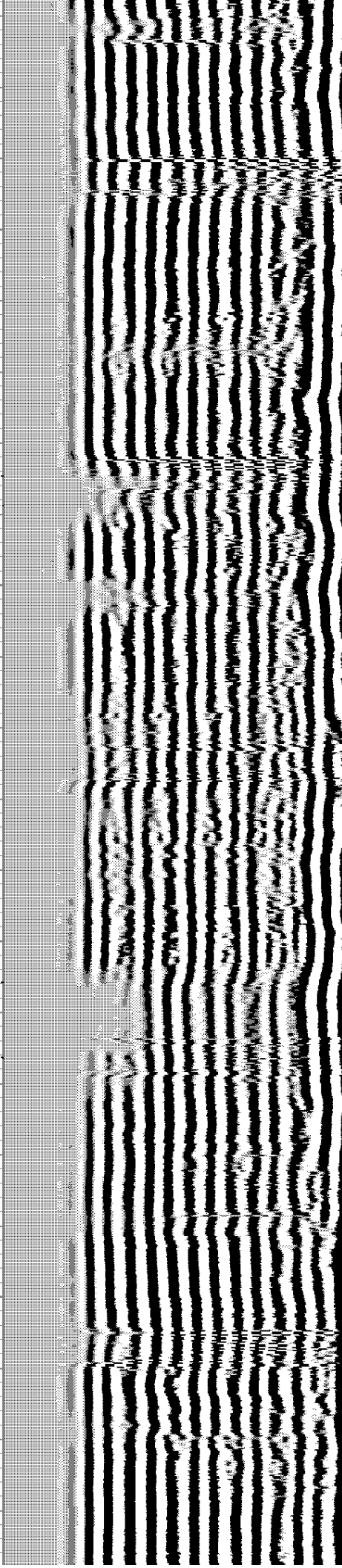
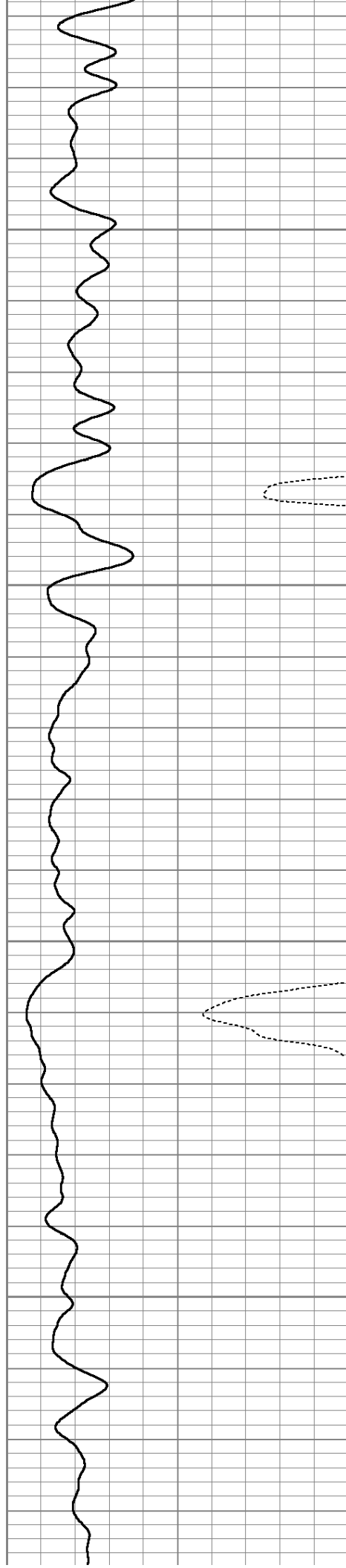


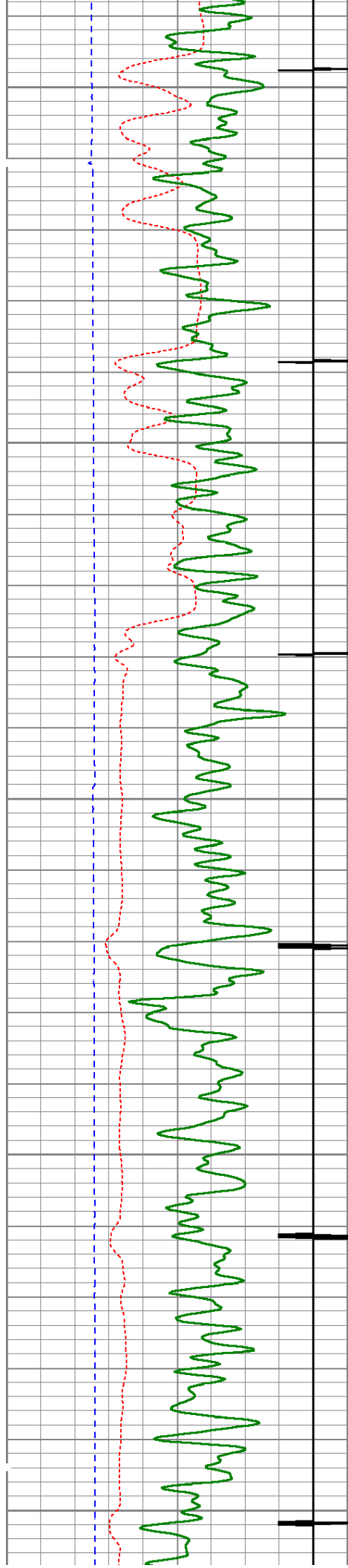
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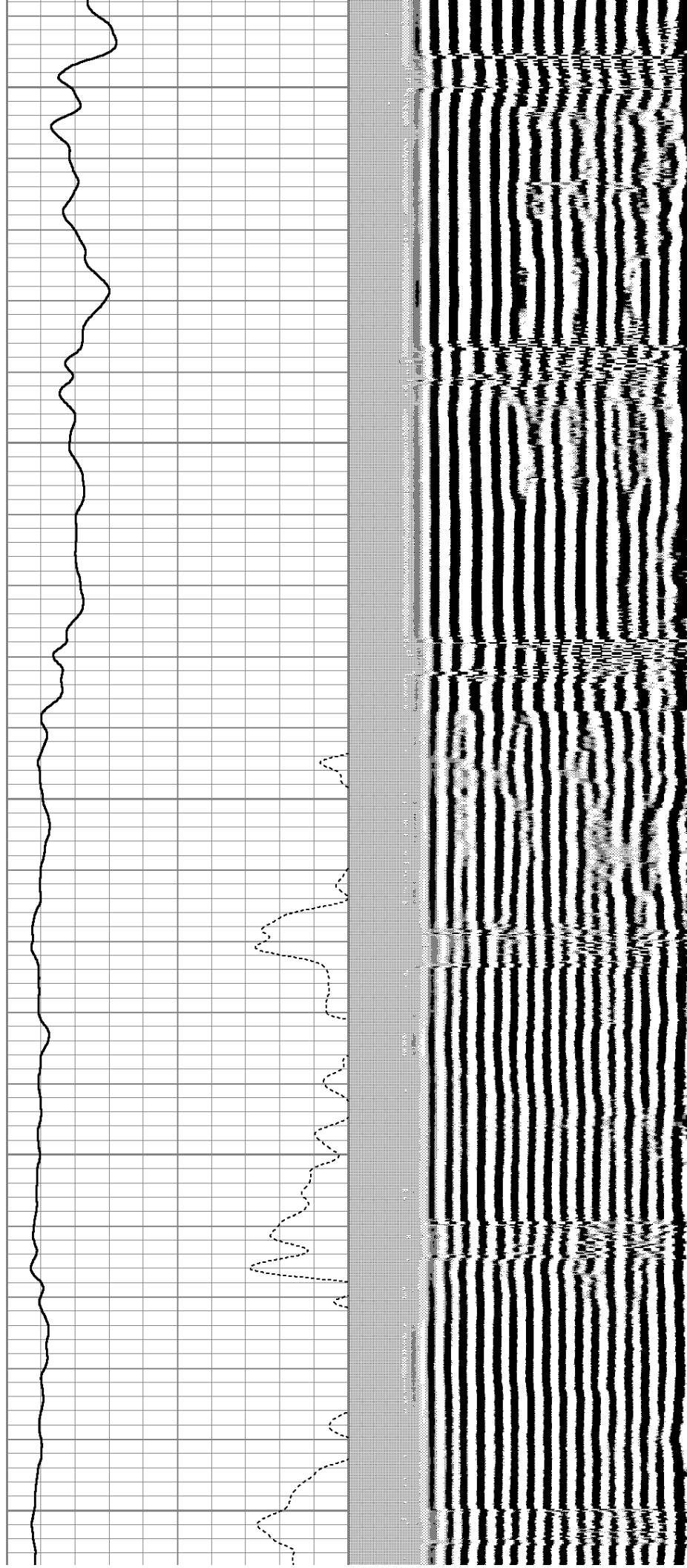
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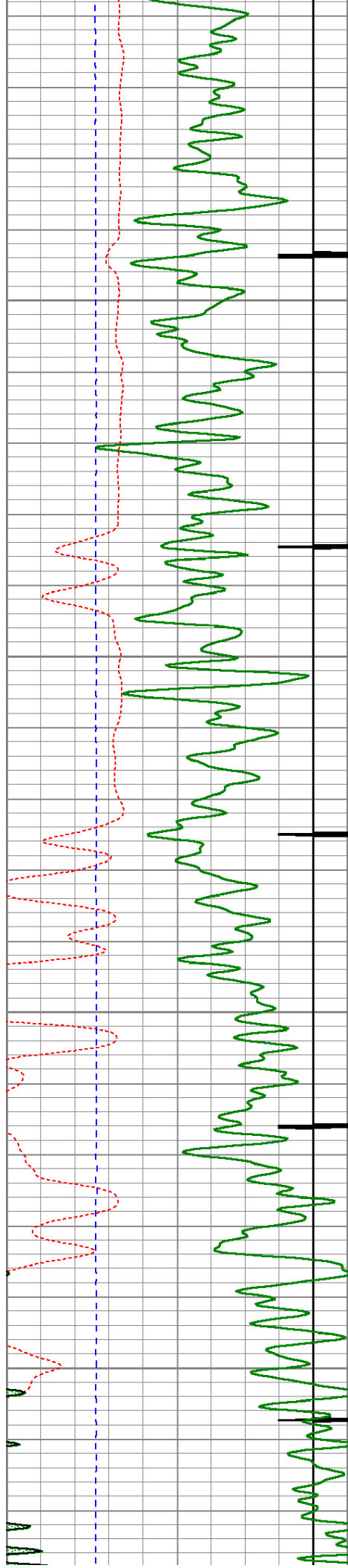
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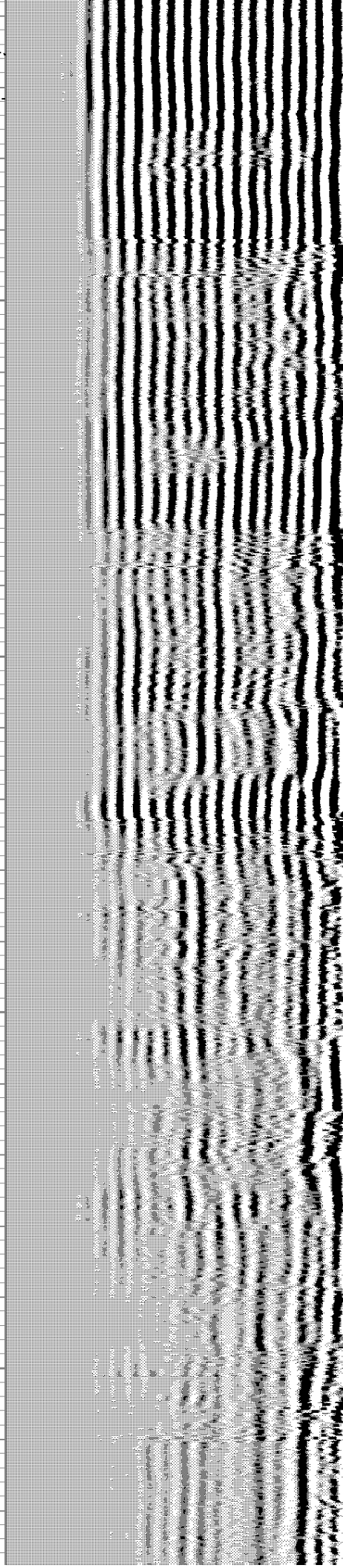
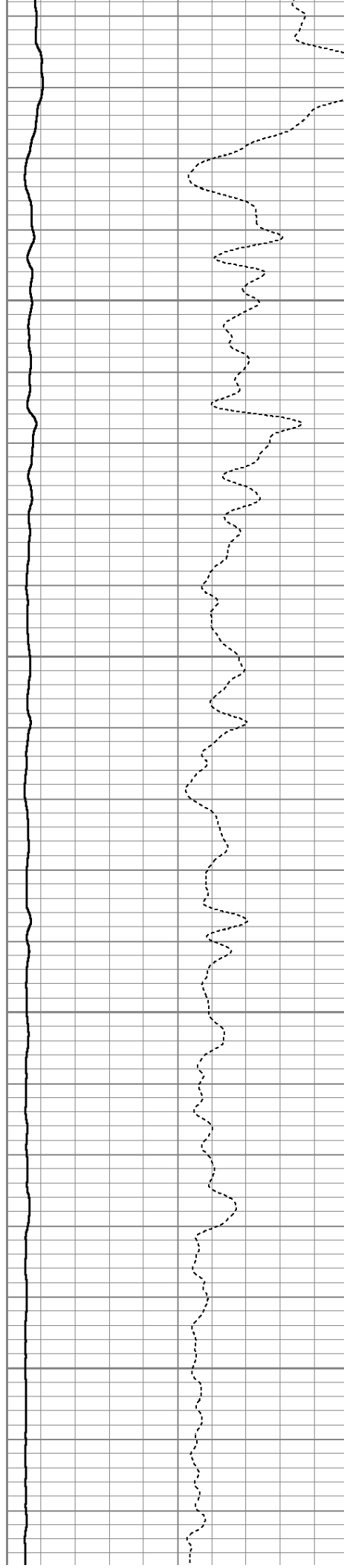


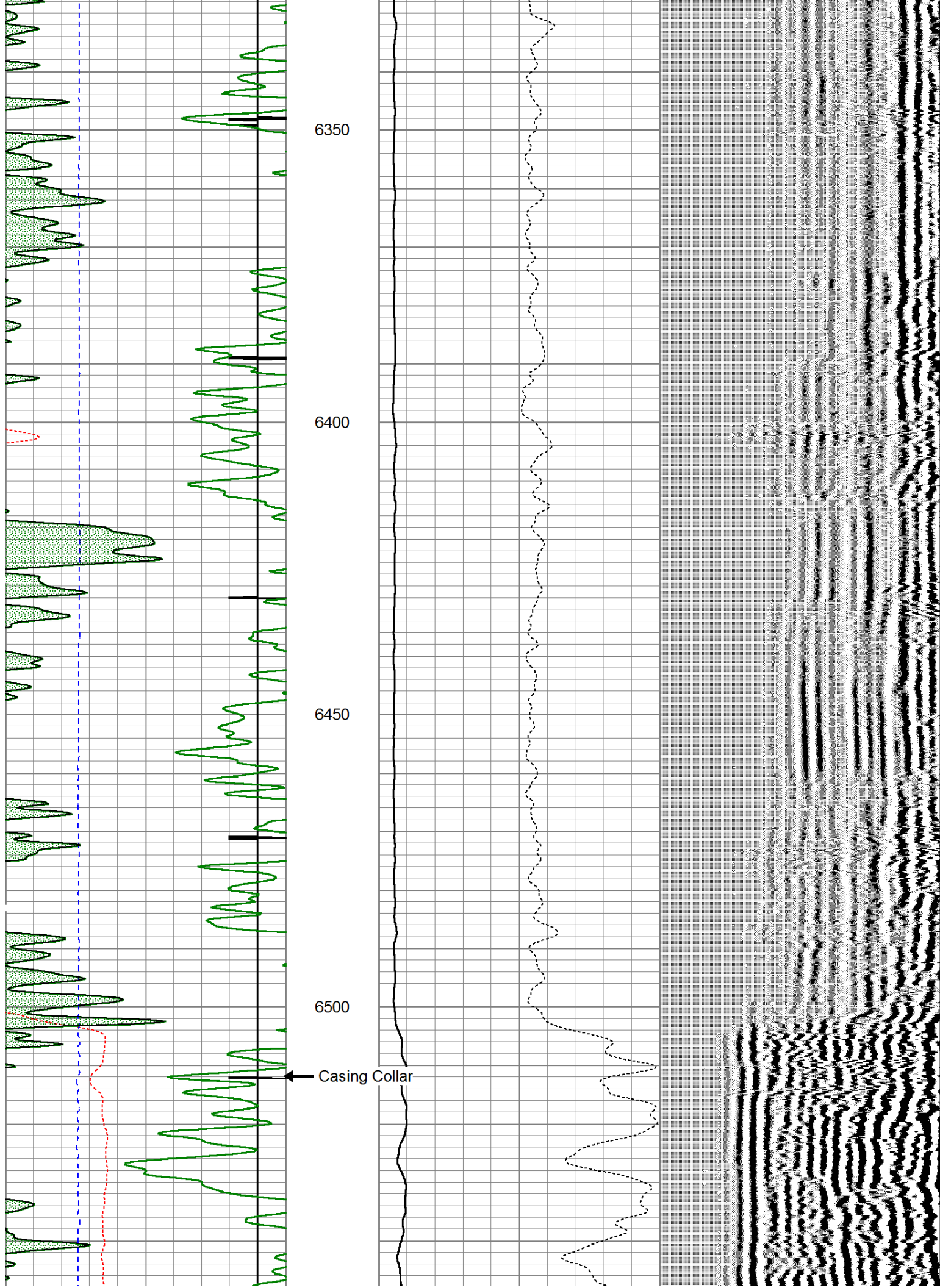
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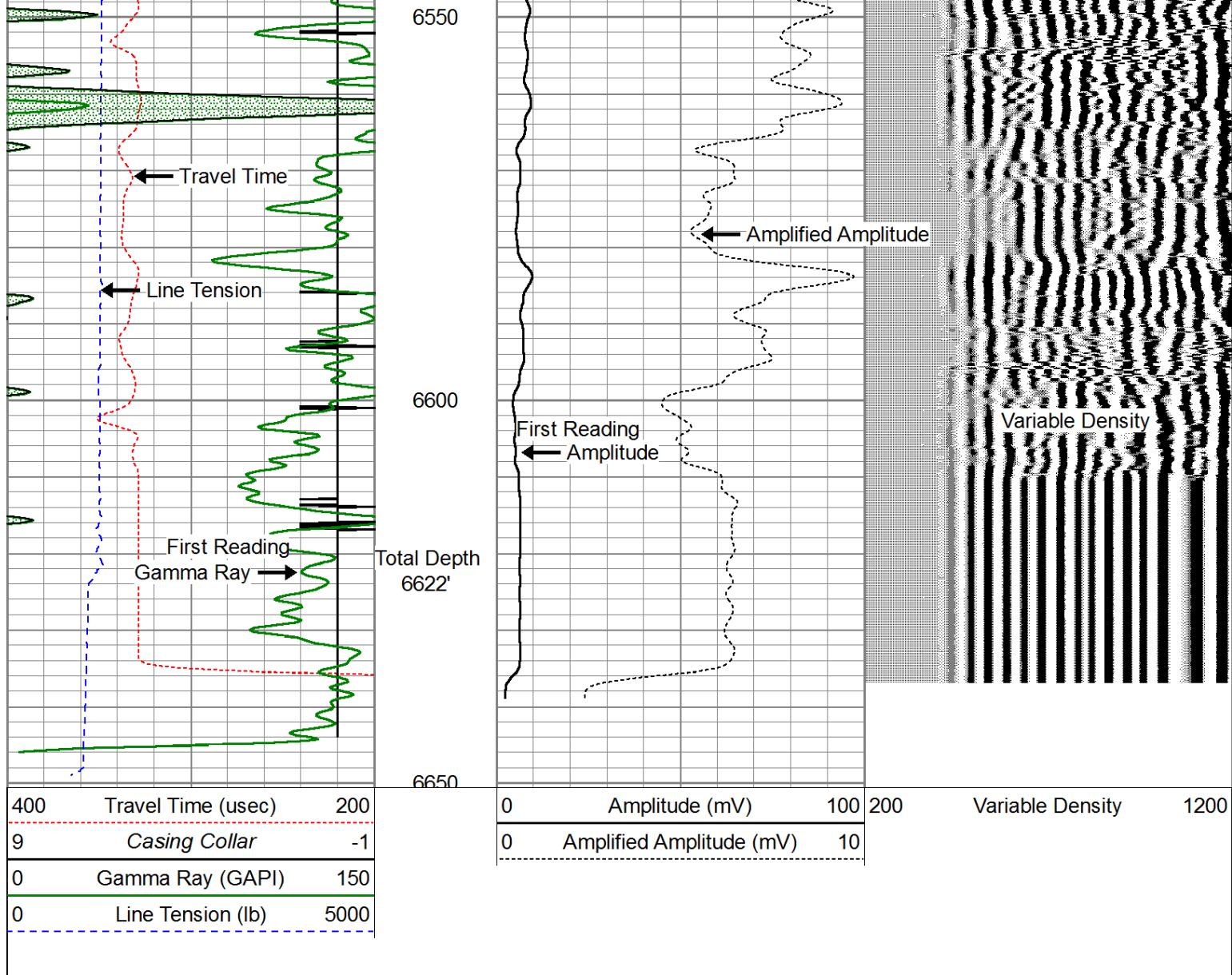
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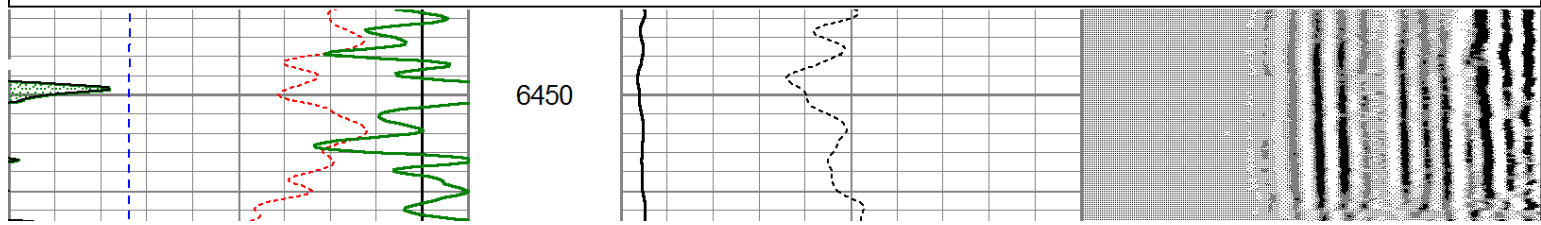
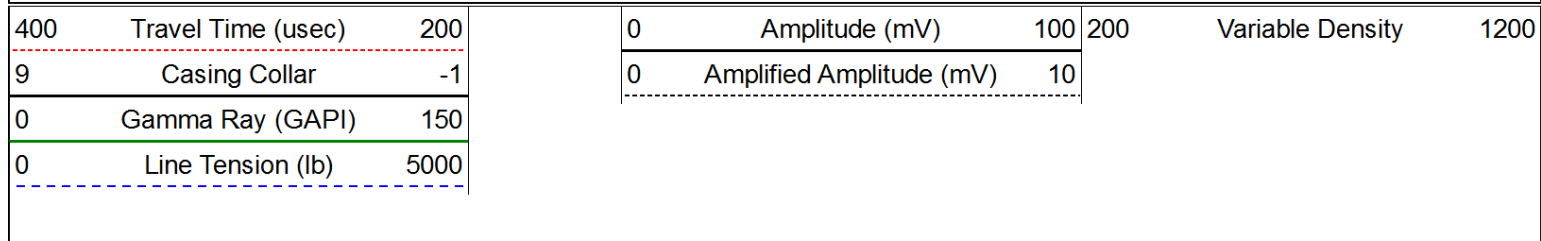


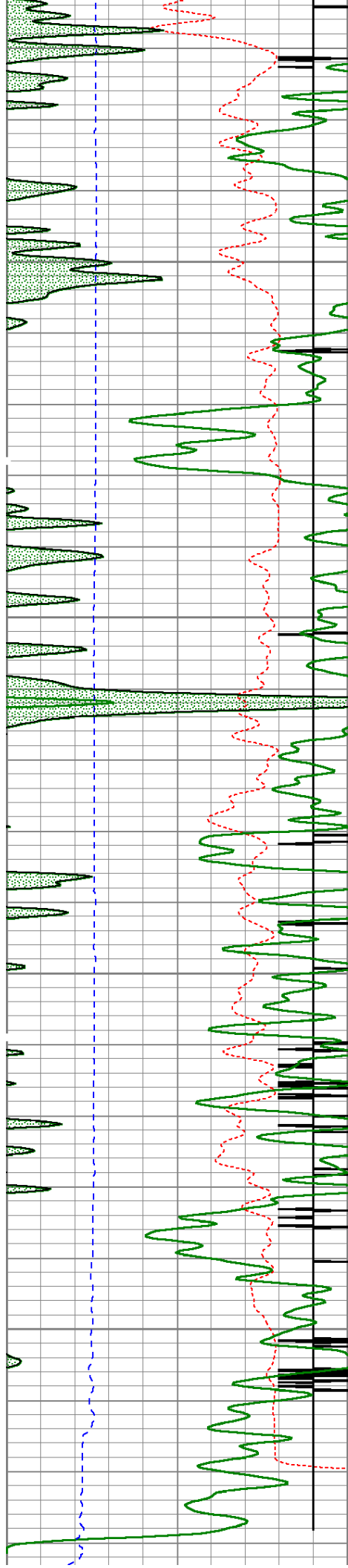




Repeat Pass (0 PSI)

Database File: c:\warrior\data\bonanza creek\bonanza_creek_latham_o_k_2hnb\bonanza_creek_latham_o_k_2hnb.db
 Dataset Pathname: pass3
 Presentation Format: cblprobe
 Dataset Creation: Tue Jun 25 12:58:23 2013 by Log 0
 Charted by: Depth in Feet scaled 1:240



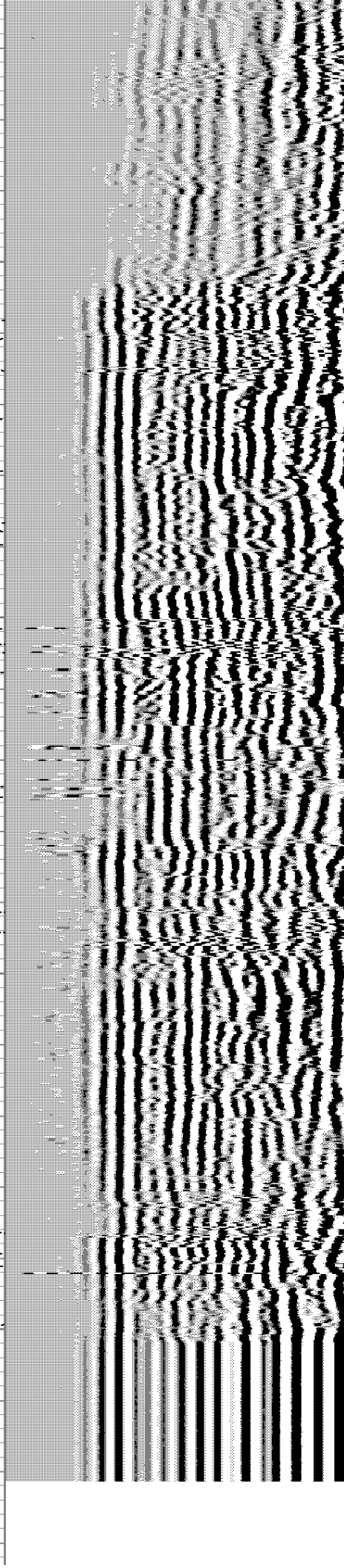
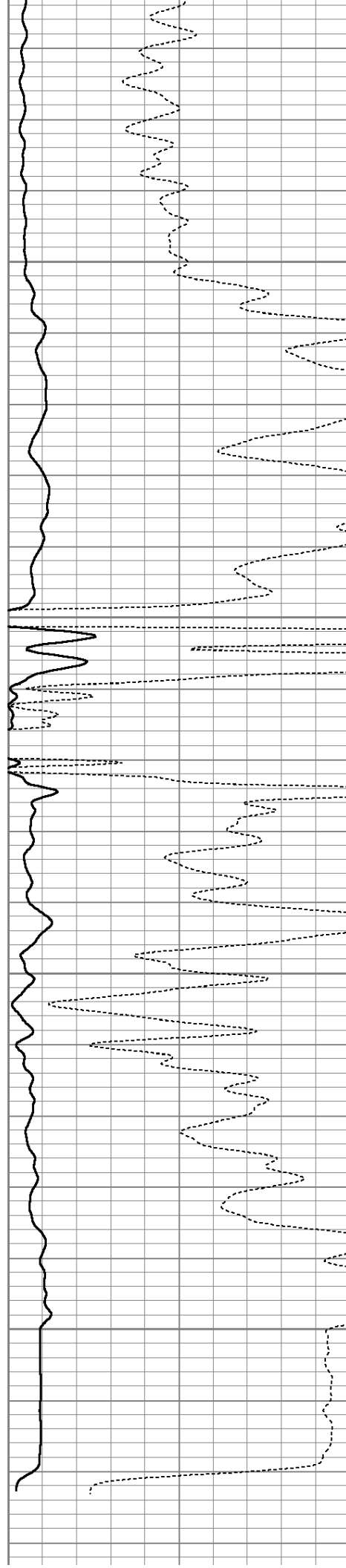


6500

6550

6600

6650



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

Calibration Report					
Database File:	c:\warrior\data\bonanza creek\bonanza_creek_latham_o_k_2hnb\bonanza_creek_latham_o_k_2hnb.db				
Dataset Pathname:	pass5.1.1				
Dataset Creation:	Wed Jun 26 21:23:00 2013				
Temperature Calibration Report					
Serial Number:	101234				
Tool Model:	1.375TEMP				
Performed:	Tue Apr 30 07:40:44 2013				
	Reference		Reading		
Low Reference:	1.00	degF	10.00	cps	
High Reference:	1.00	degF	10.00	cps	
Gain:	0.10				
Offset:	0.00				
Delta Spacing	2				
Gamma Ray Calibration Report					
Serial Number:	110108-Dig				
Tool Model:	Probe275				
Performed:	Mon Apr 29 16:12:13 2013				
Calibrator Value:	1.0		GAPI		
Background Reading:	0.0		cps		
Calibrator Reading:	1.0		cps		
Sensitivity:	0.8500		GAPI/cps		
Segmented Cement Bond Log Calibration Report					
Serial Number:	101224				
Tool Model:	Probe				
Calibration Casing Diameter:	5.500		in		
Calibration Depth:	890.175		ft		

Master Calibration, performed Tue Jun 25 13:02:39 2013:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3'	-0.021	0.843	0.700	71.921	68.014	2.416	
CAL	-0.021	1.621					
5'	-0.021	0.346	0.700	71.921	194.384	4.753	
SUM							
S1	-0.021	1.063	0.000	100.000	92.278	1.918	
S2	-0.021	0.943	0.000	100.000	103.767	2.162	
S3	-0.021	0.877	0.000	100.000	111.389	2.320	
S4	-0.021	0.792	0.000	100.000	123.097	2.562	
S5	-0.021	0.737	0.000	100.000	131.923	2.746	
S6	-0.021	0.736	0.000	100.000	132.042	2.758	
S7	-0.021	0.791	0.000	100.000	123.210	2.569	

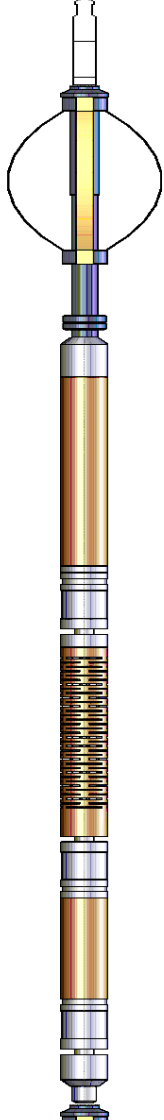
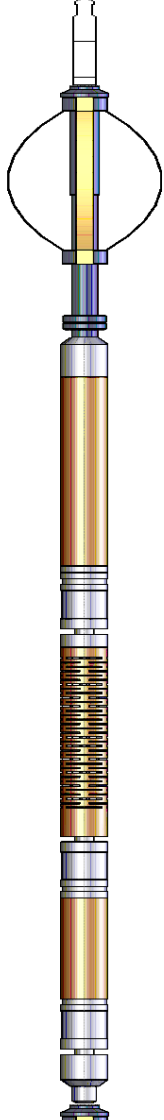
S8 -0.021 0.904 0.000 100.000 108.184 2.256

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	1.621	1.000	0.000

Air Zero Calibration, performed Tue Jun 25 10:10:15 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
			RBT-Probe (101224) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVF3FT	13.09					
WVFCAL	13.09					
WVFS1	13.09					
WVFS2	13.09					
WVFS3	13.09					
WVFS4	13.09					
WVFS5	13.09					
WVFS6	13.09					
WVFS7	13.09					
WVFS8	13.09					
WVF5FT	12.09					

