



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

Company		Bonanza Creek Energy								
Well		Antelope B11-V41-33HNC								
Field		Wattenberg								
County		Weld								
State		Colorado								
Location:		API # : 05-123-39065								
SEC 33 TWP 5N RGE 62W		Other Services NONE								
Permanent Datum		Ground Level		Elevation						
Log Measured From		Kelly Bushing 16' APD		K.B. 4595'						
Drilling Measured From		Kelly Bushing		D.F. 4594'						
				G.L. 4579'						
Date		May 19, 2014								
Run Number		1								
Depth Driller		-								
Depth Logger		6472'								
Bottom Logged Interval		6460'								
Top Log Interval		Surface								
Open Hole Size		8.75								
Type Fluid		Fresh Water								
Density / Viscosity		8.33								
Max. Recorded Temp.		-								
Estimated Cement Top		-								
Time Well Ready		9:20								
Time Logger on Bottom		9:45								
Equipment Number		13033								
Location		Brighton								
Recorded By		C. Rail								
Witnessed By		Kevin Bunker								
Borehole Record		Tubing Record								
Run Number		Bit		From		To	Size	Weight	From	To
Casing Record		Size		Wgt/Ft		Top		Bottom		
Surface String		9 5/8"		36#		0		409'		
Prot. String										
Production String		7"		26#		0		6624'		
Liner						6528'				-

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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

Primary Log on Well
Main Pass and Repeat Pass Logged w/0 PSI
Logged from 16' Kelly Bushing

Logging Speed Requested by Company

Filled well from 800' to surface. Lost fluid @ 500' during Logging

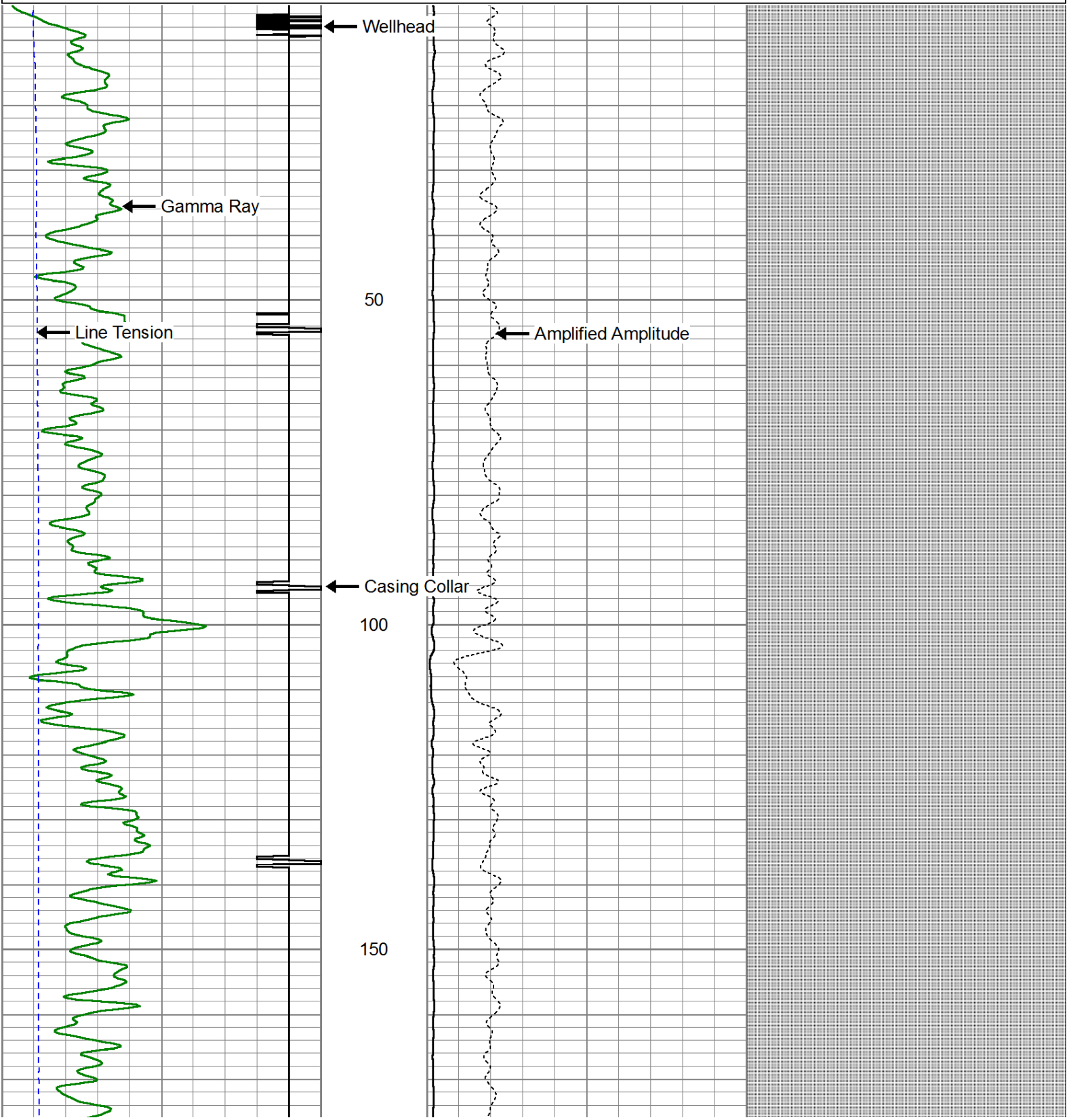
Thank You For using Allied Wireline Services
(303) 659-4609

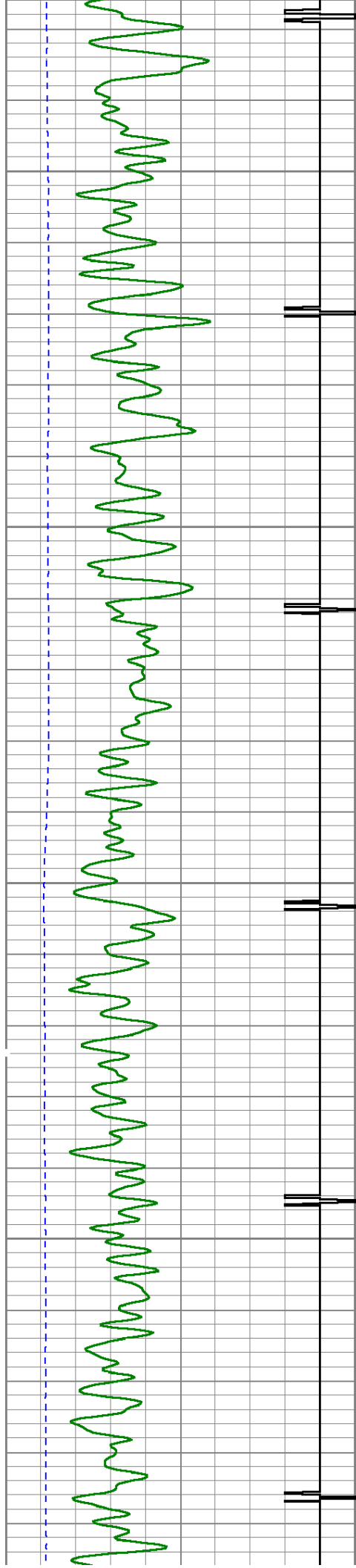


Main Pass (0 PSI)

Database File: bonanza creek antelopeb11-v41-33hnc_cbl.db
Dataset Pathname: pass5
Presentation Format: cblprobe
Dataset Creation: Mon May 19 09:59:37 2014 by Log 0
Charted by: Depth in Feet scaled 1:240

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)	2000						



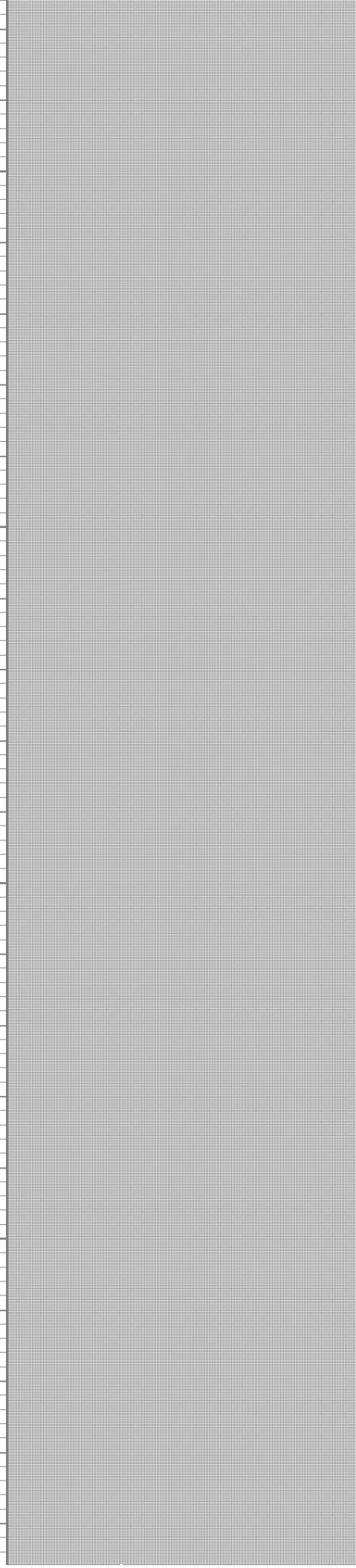
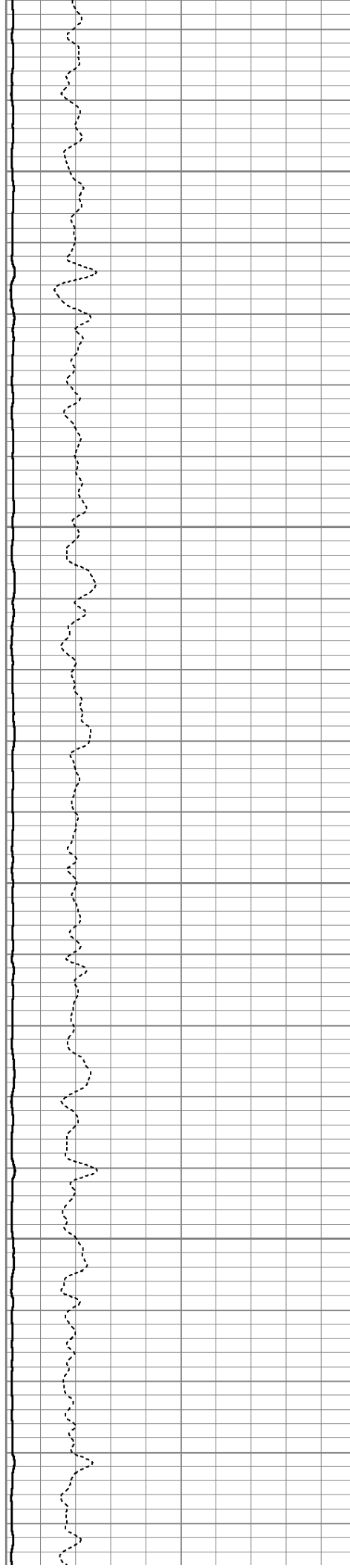


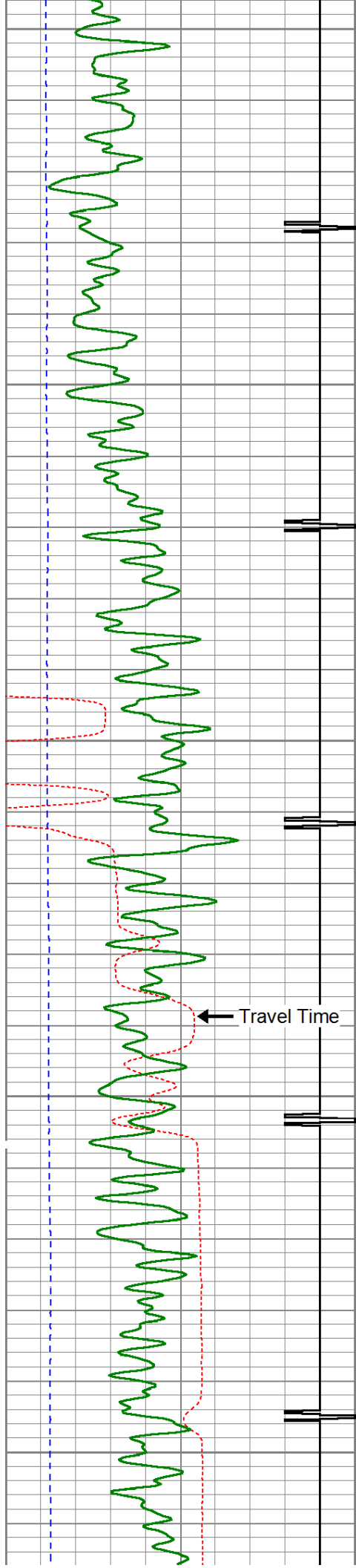
200

250

300

350





Fluid Level

400

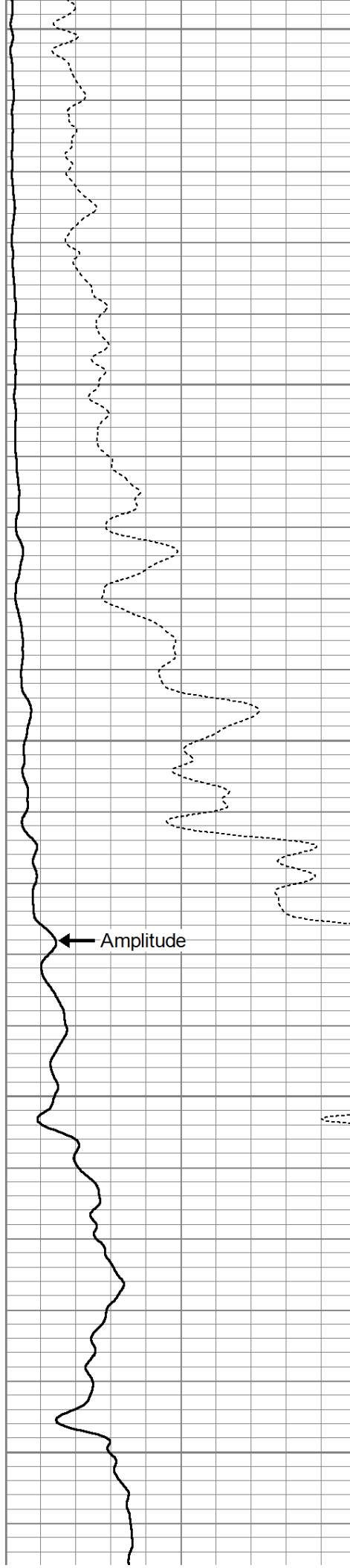
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500

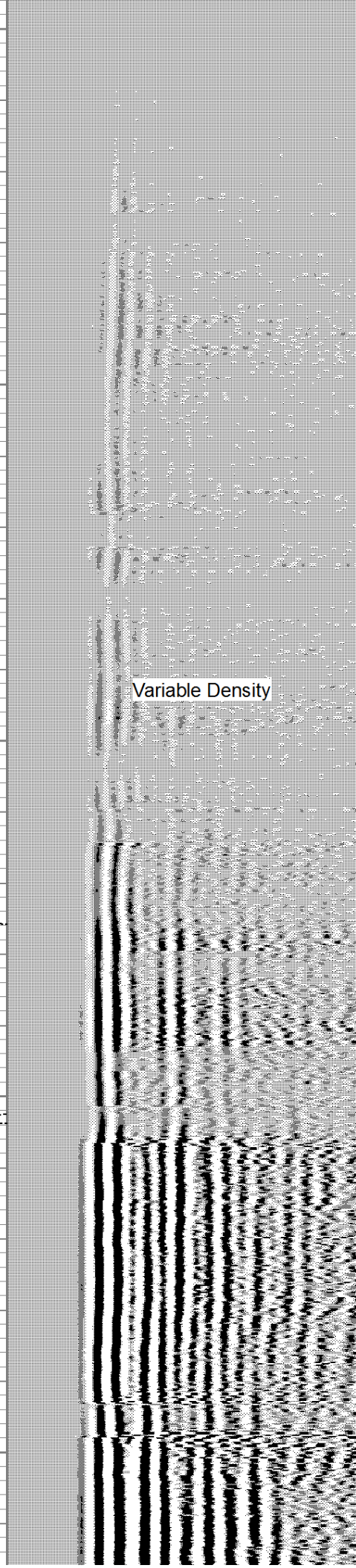
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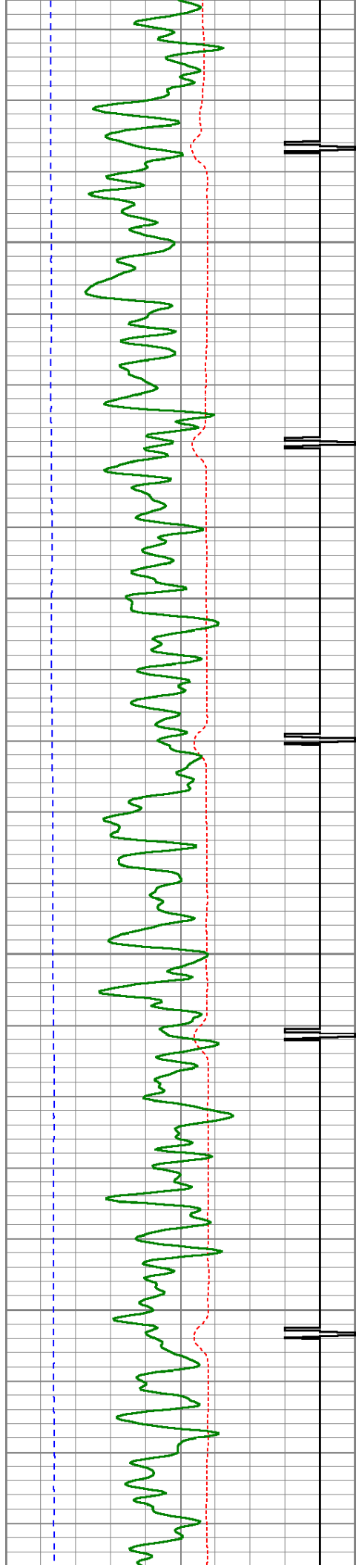
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Travel Time



Amplitude



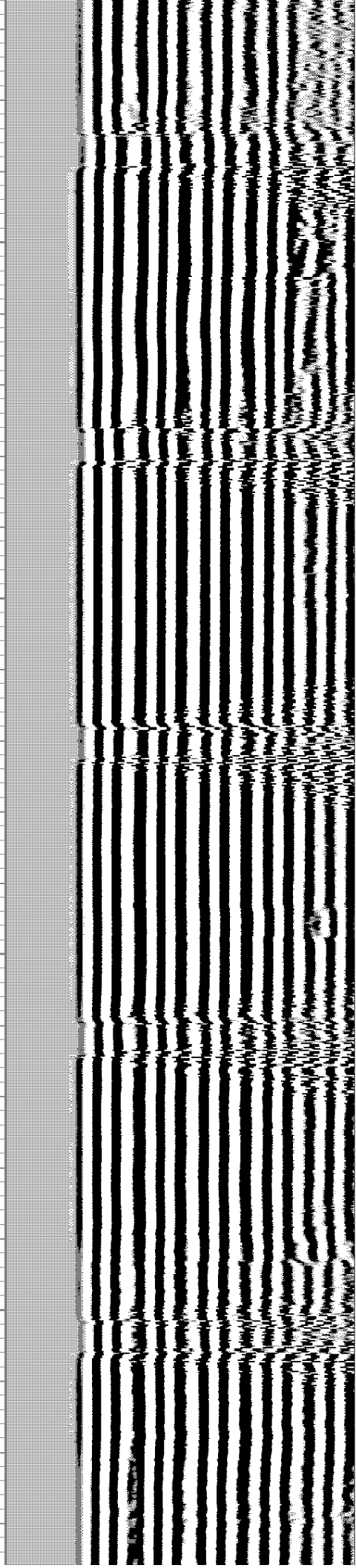
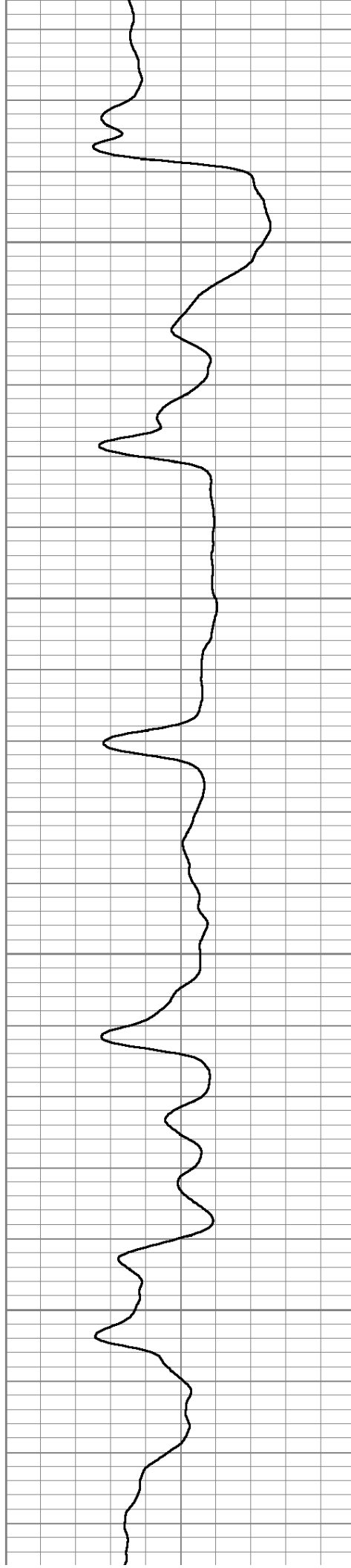


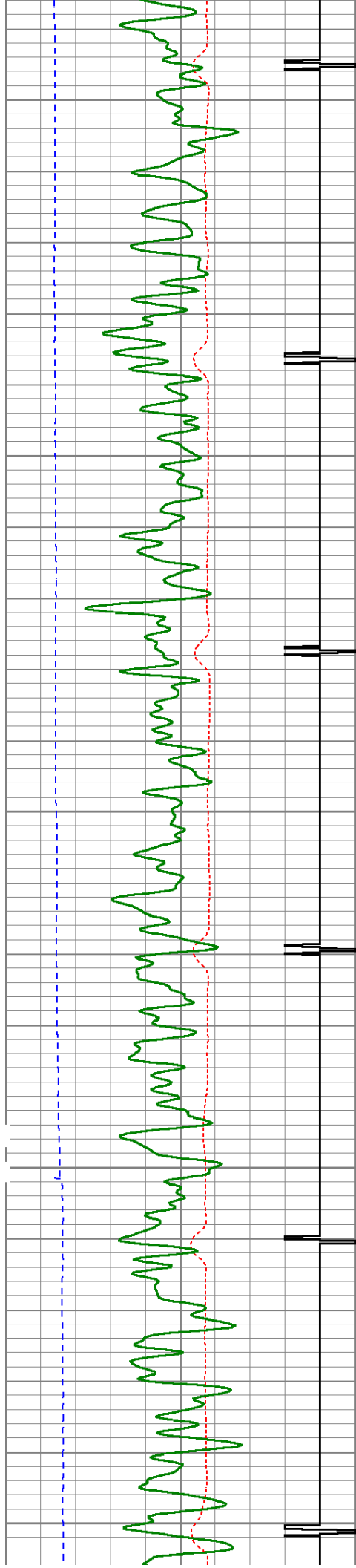
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700

750

800





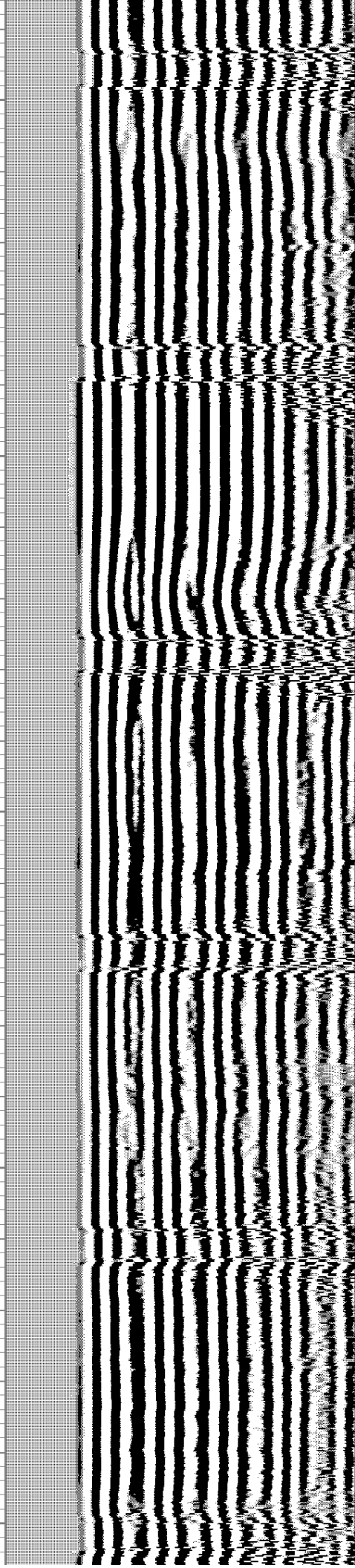
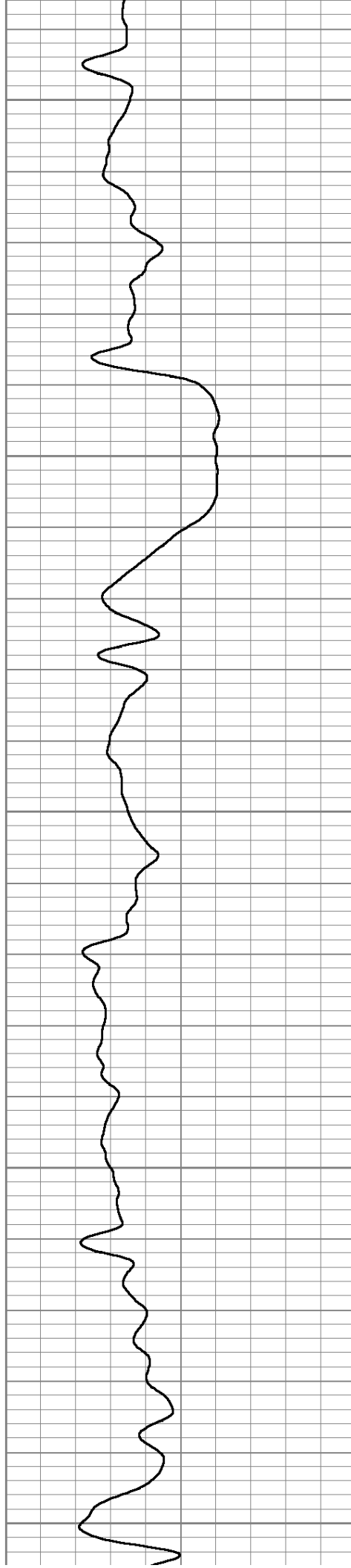
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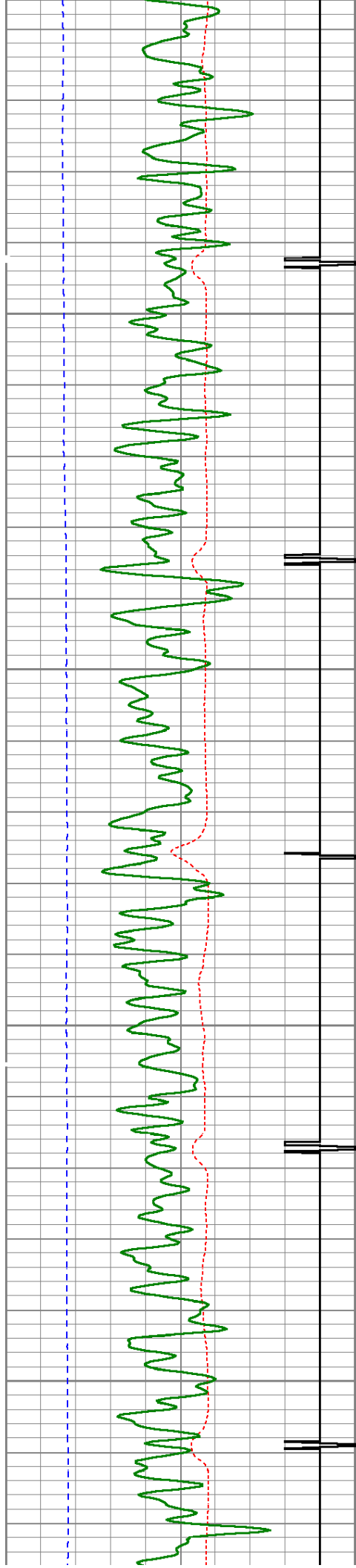
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950

1000

1050



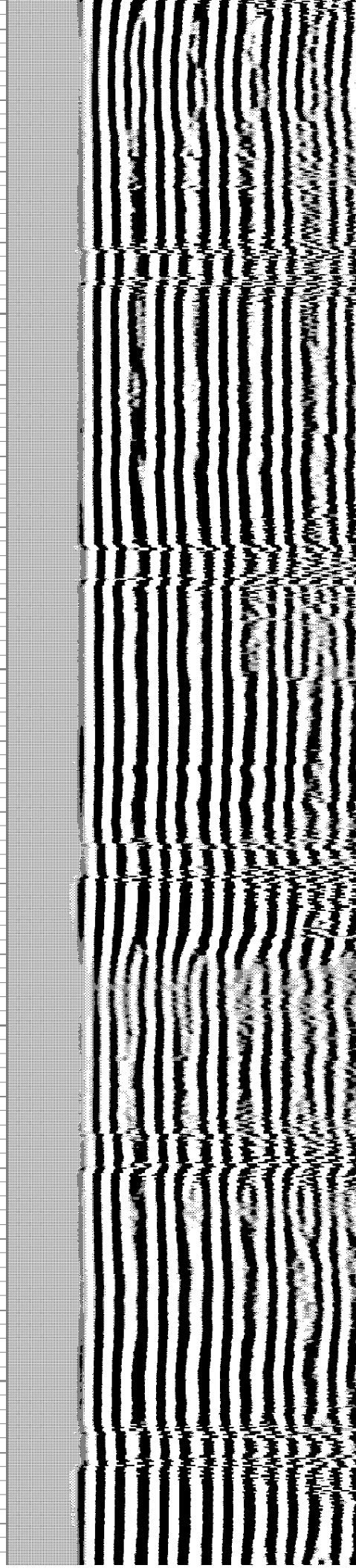
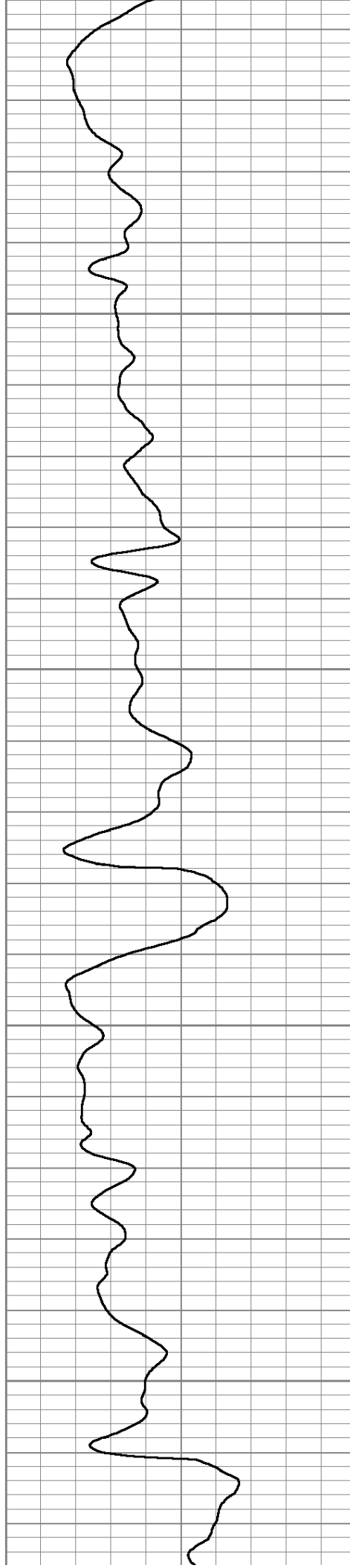


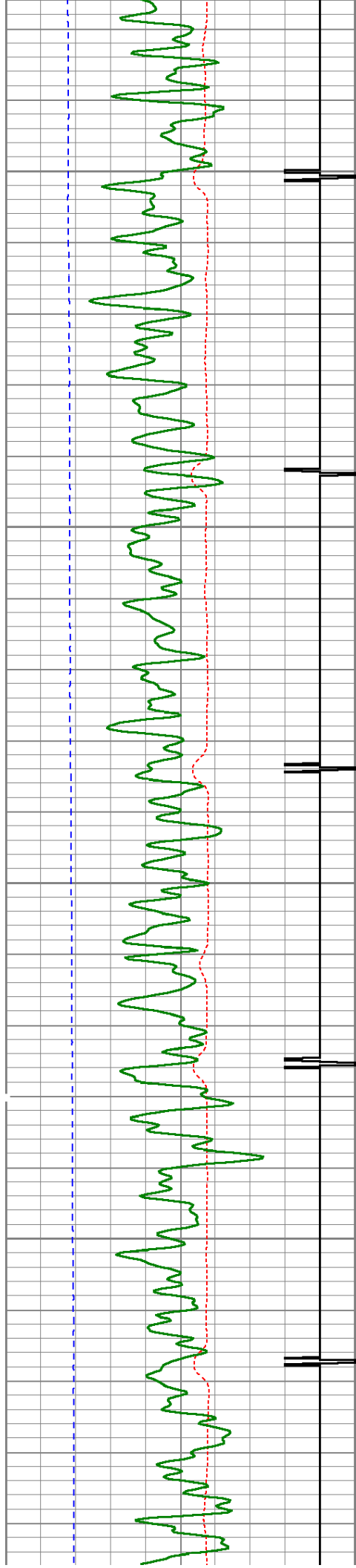
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1150

1200

1250



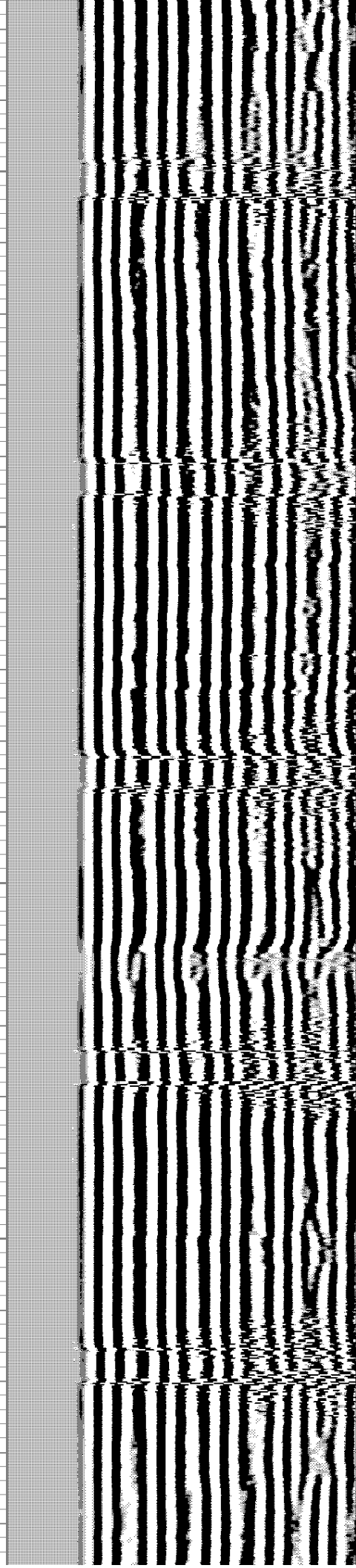
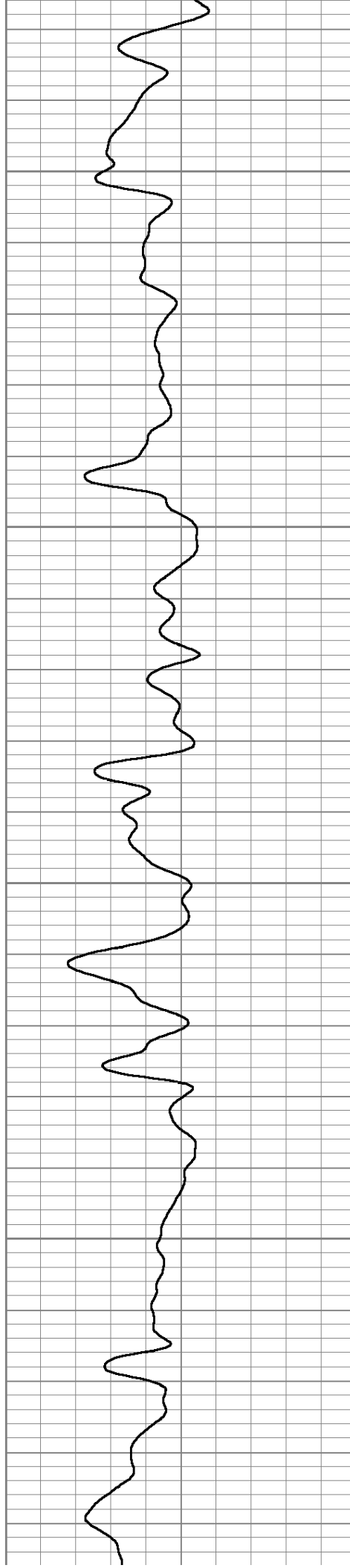


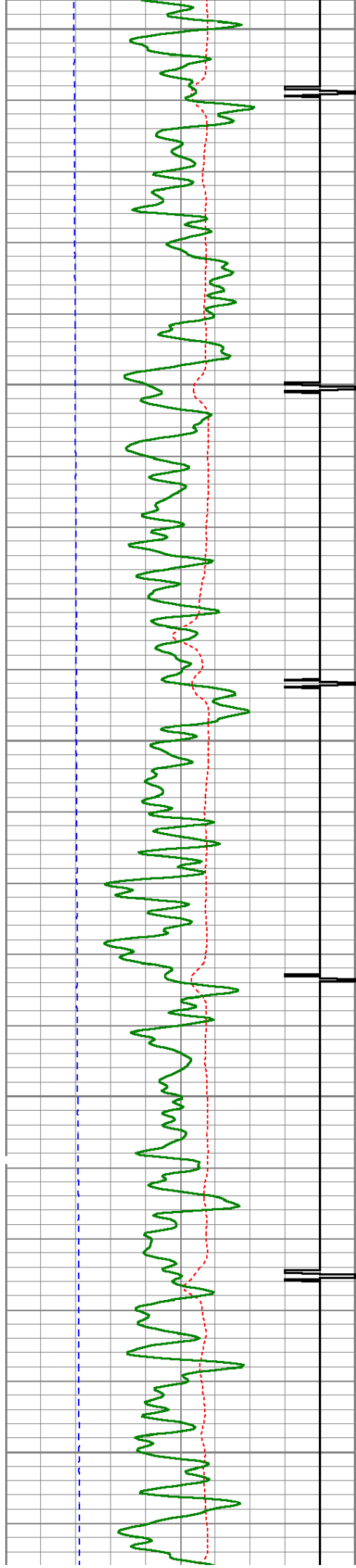
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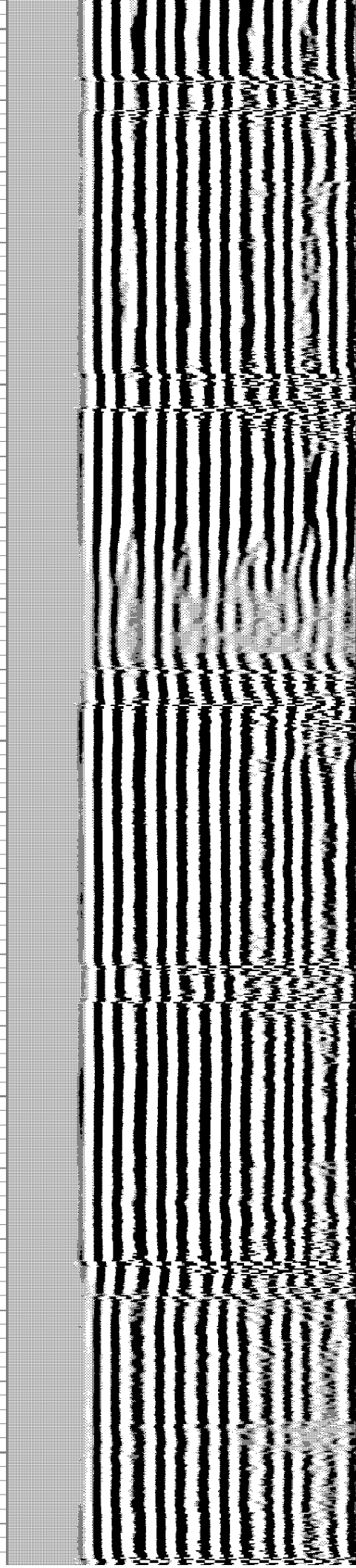
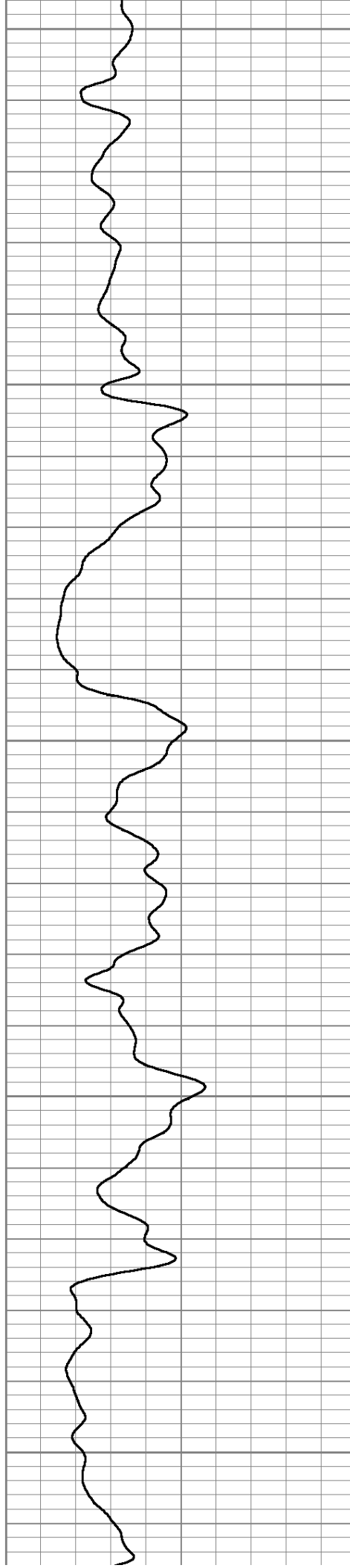
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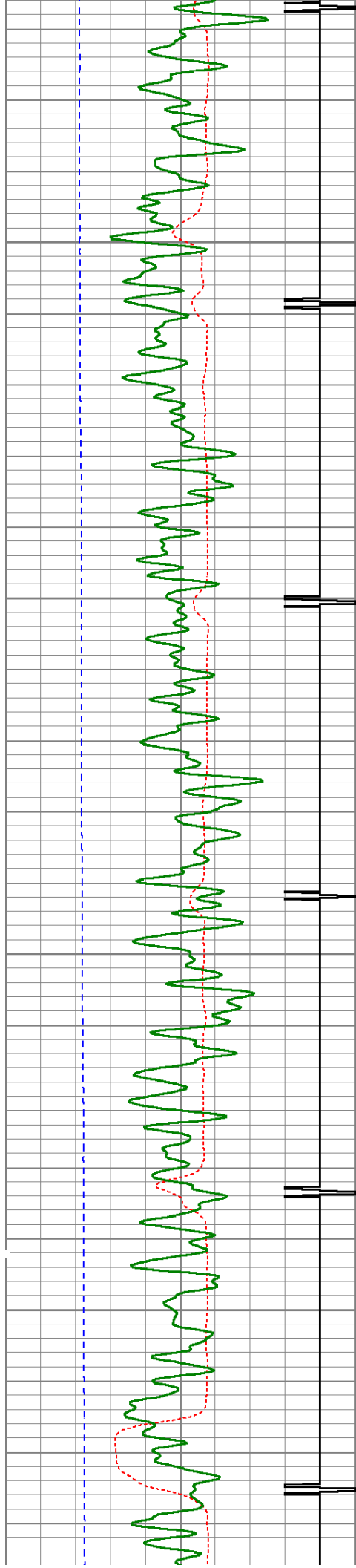
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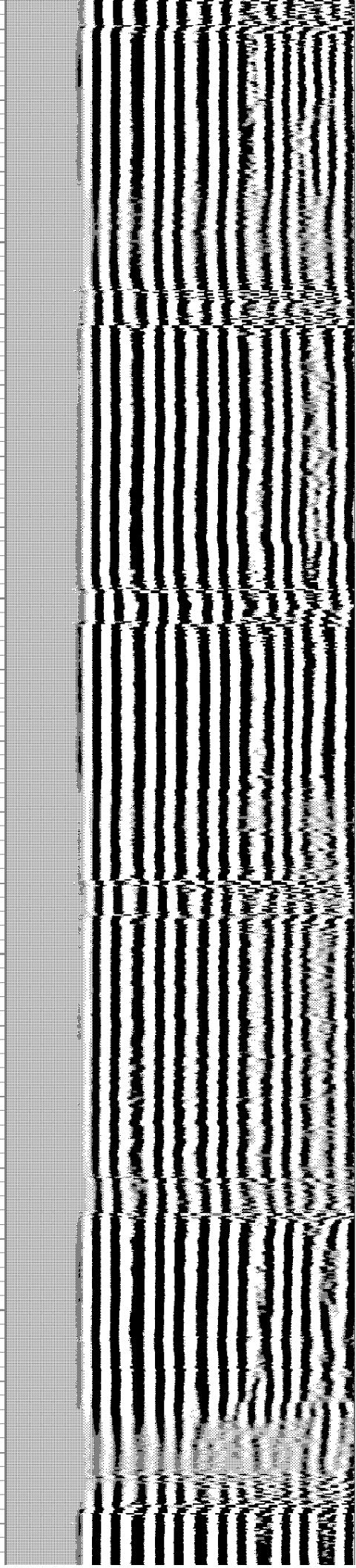
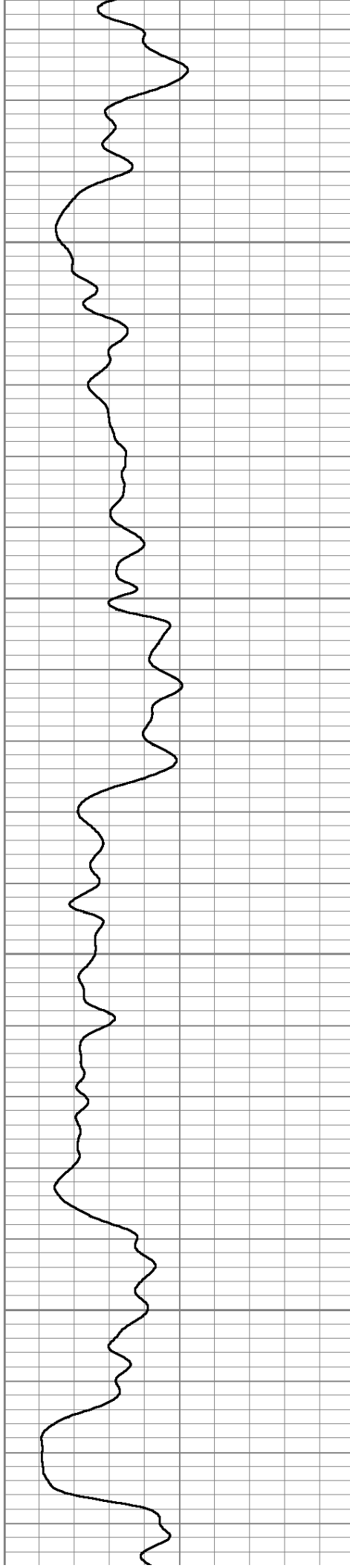


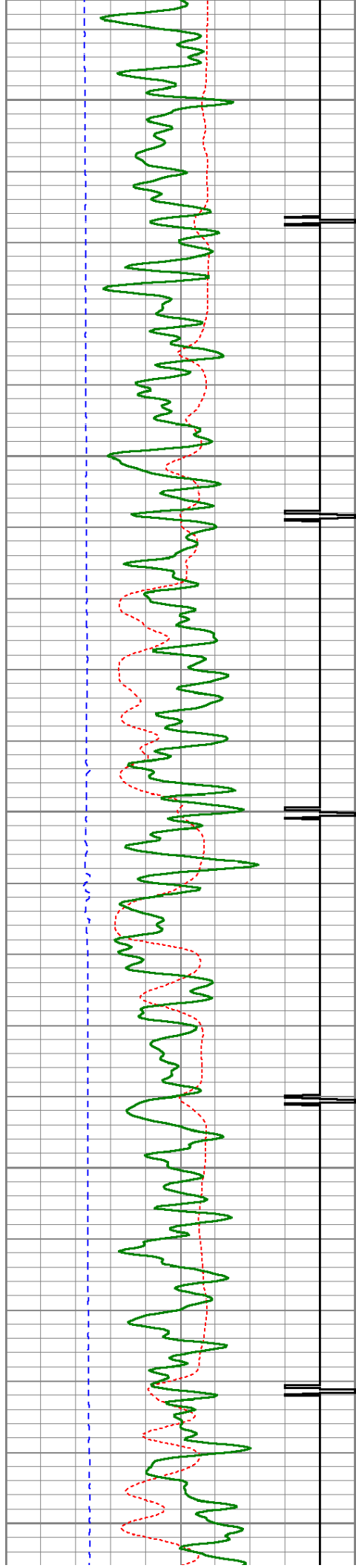
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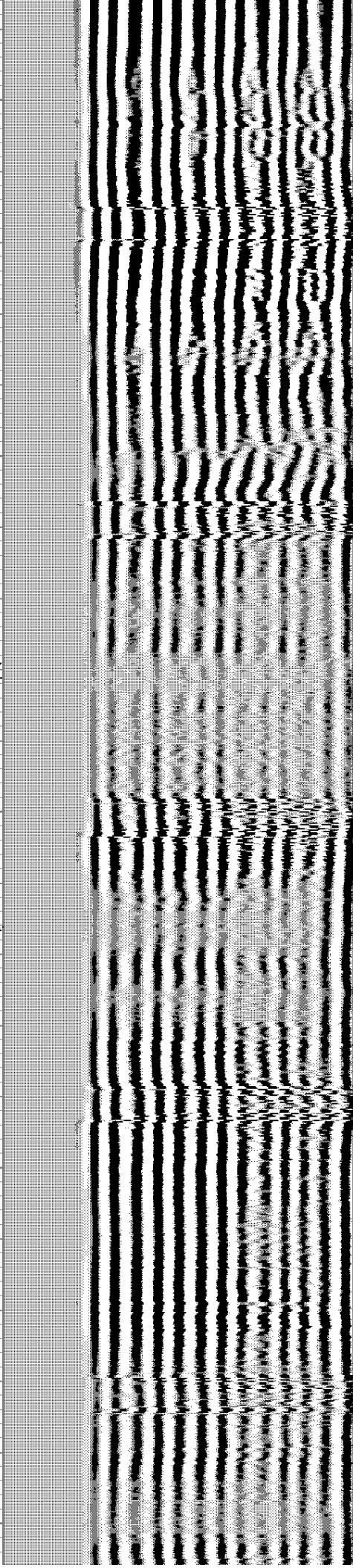
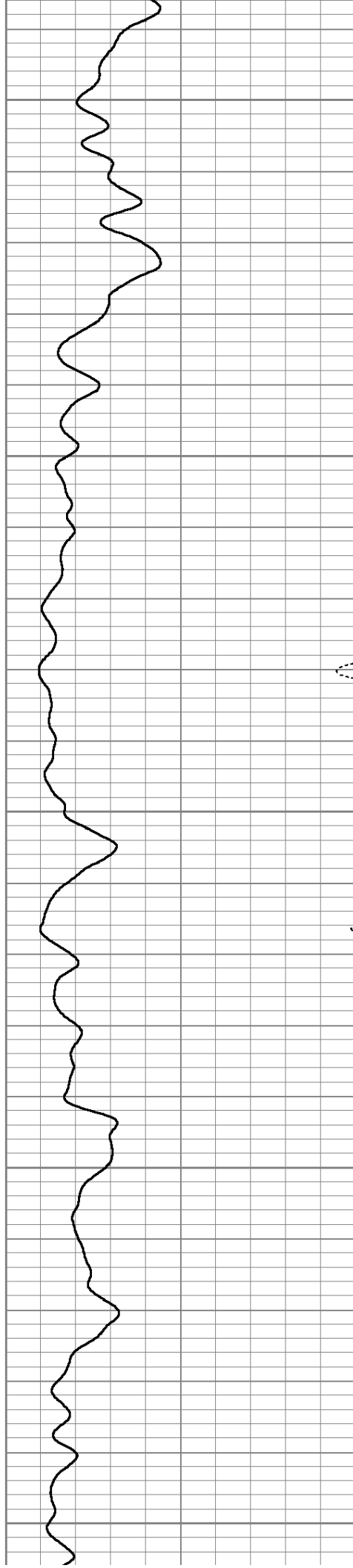
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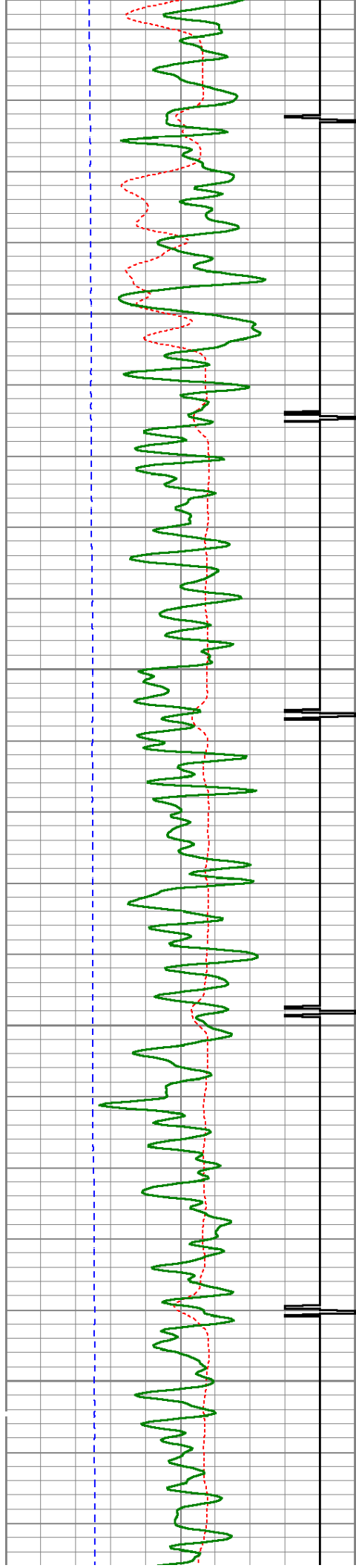
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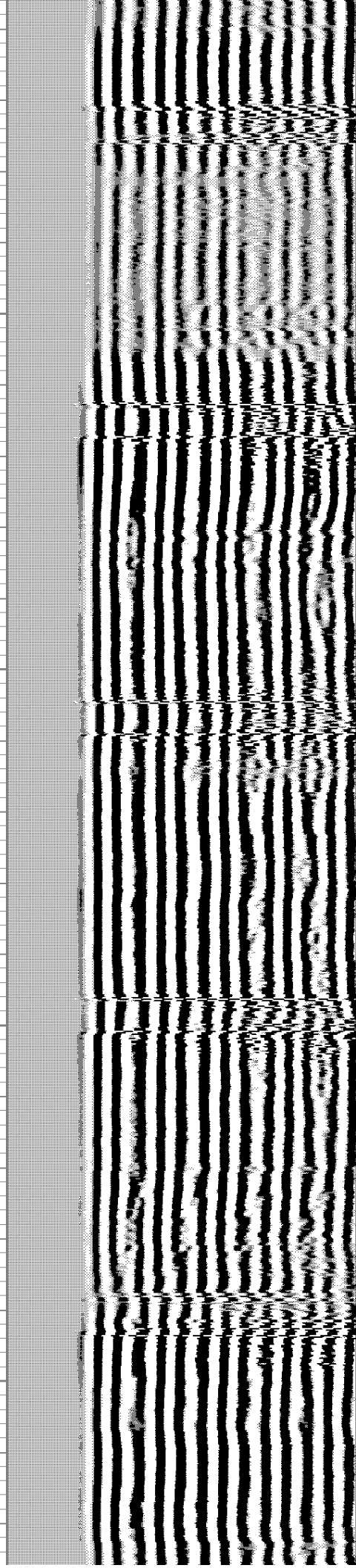
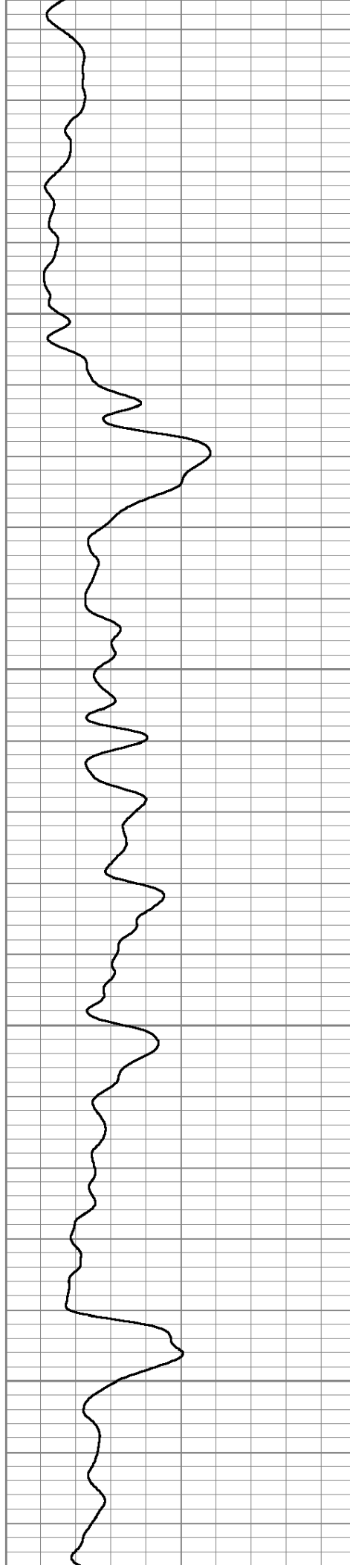


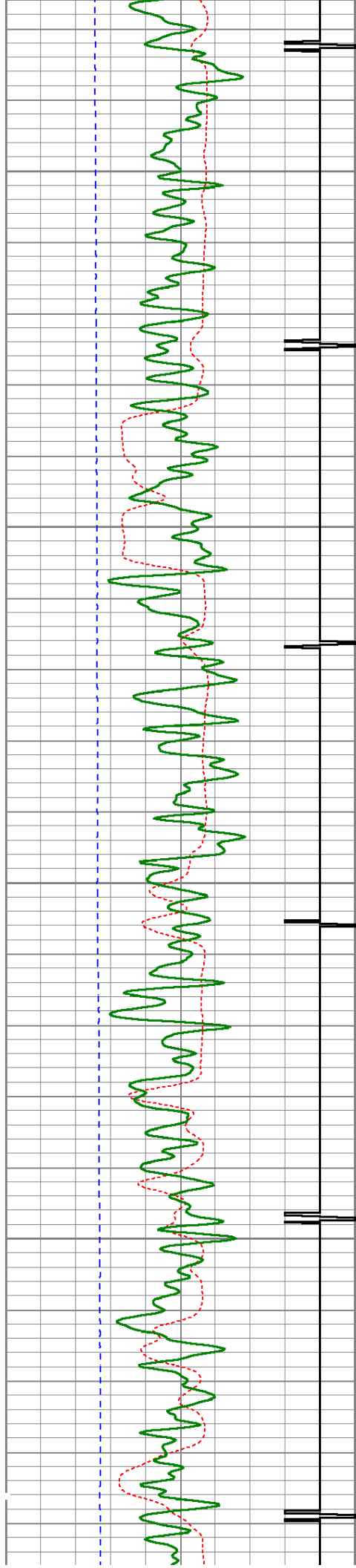
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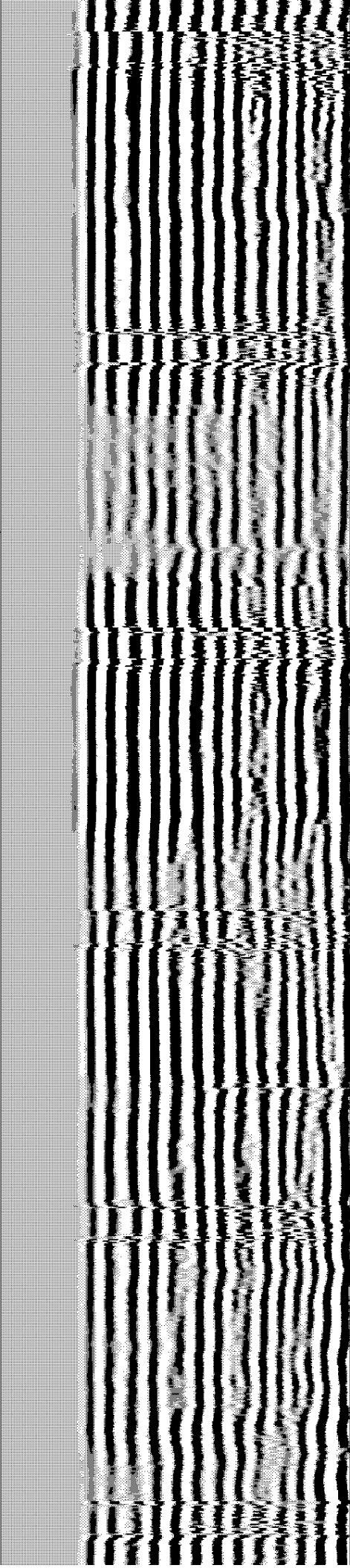
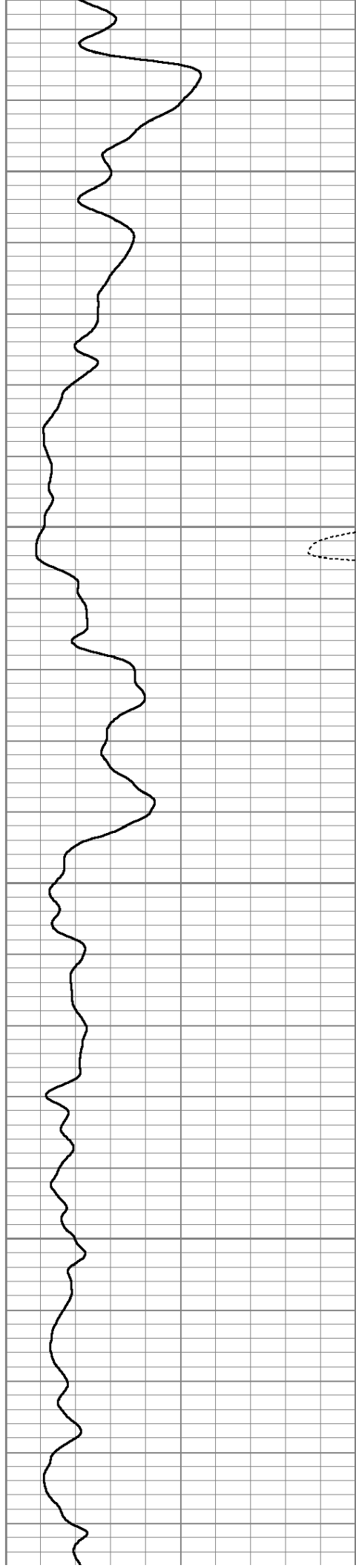


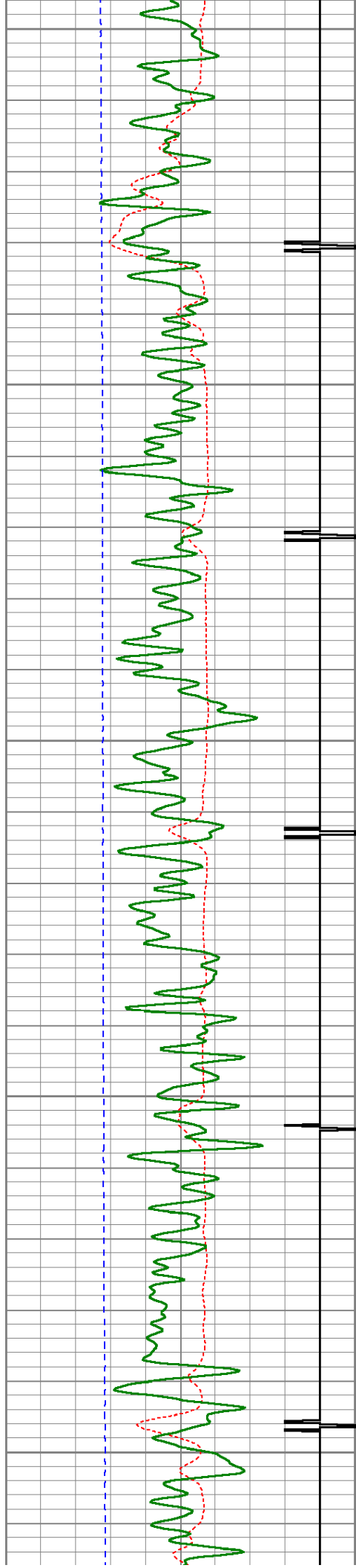
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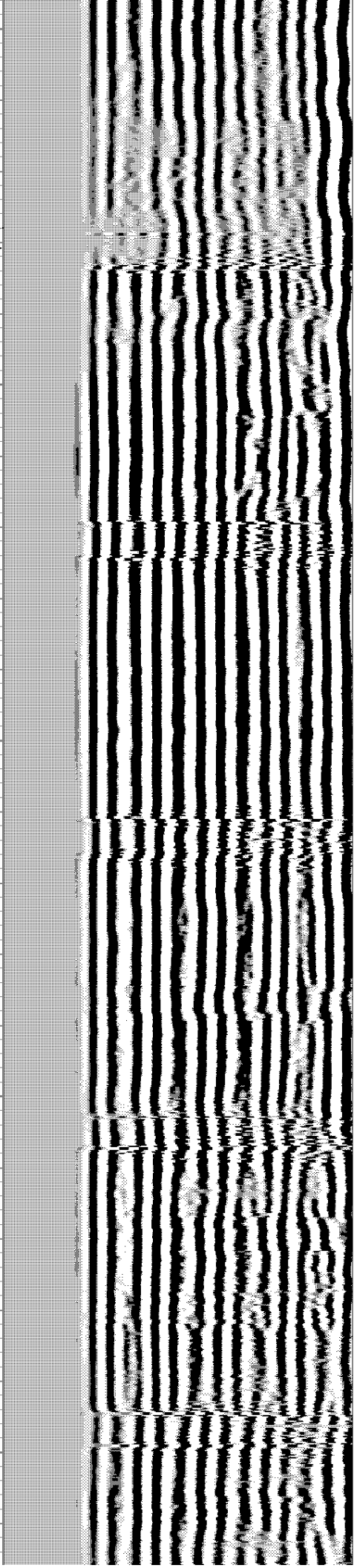
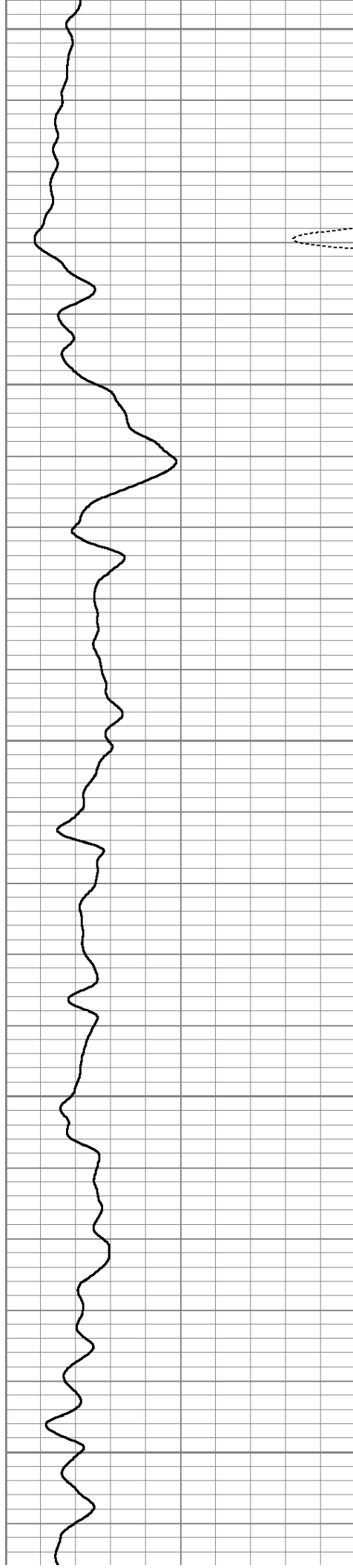
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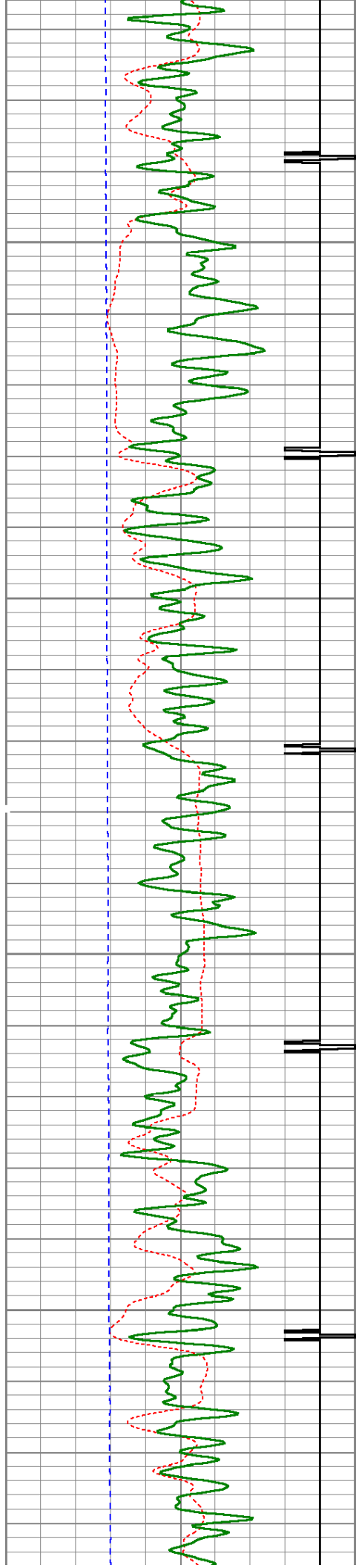
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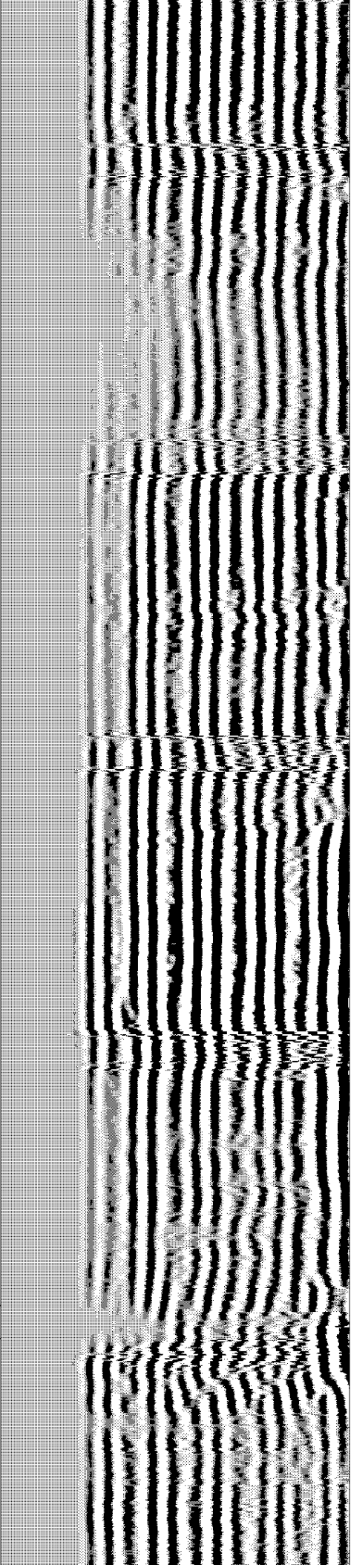
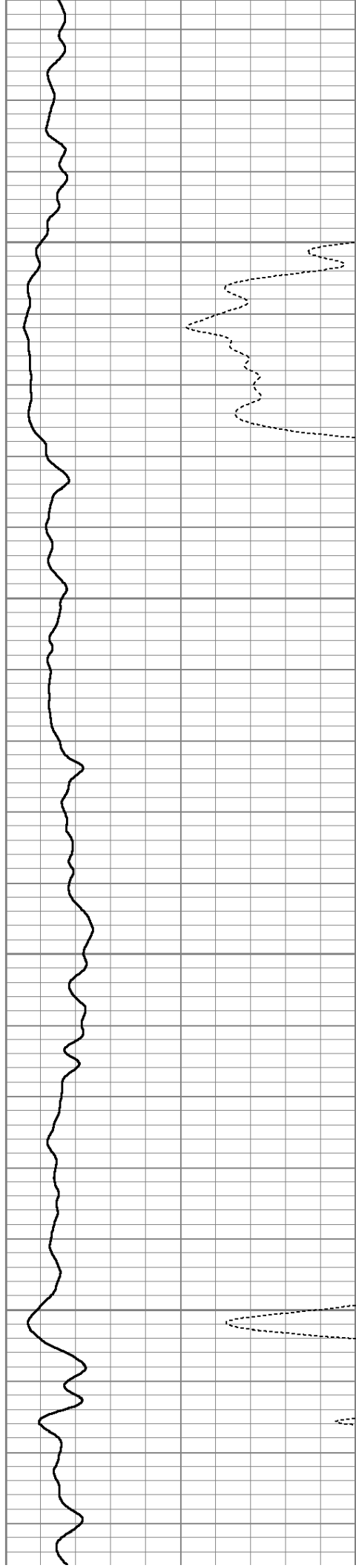


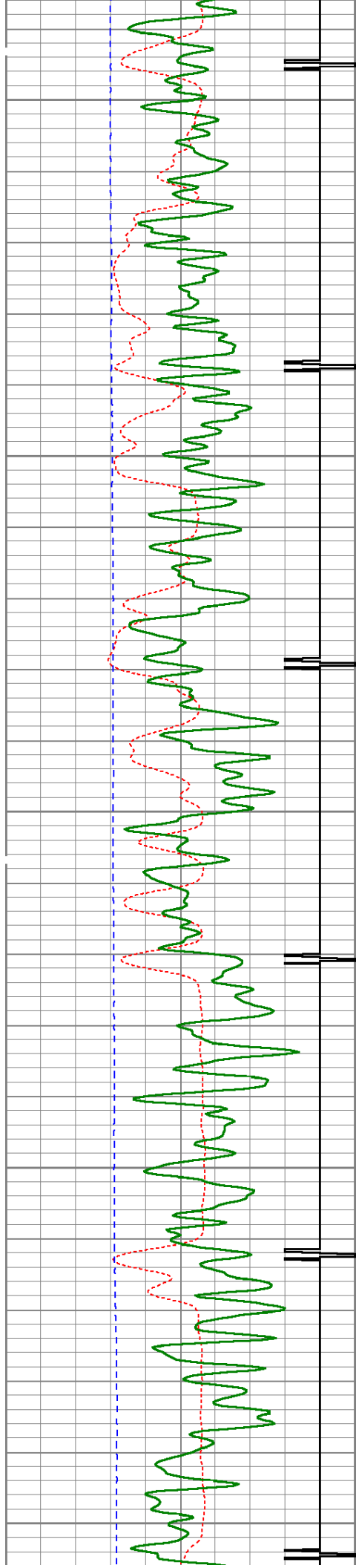
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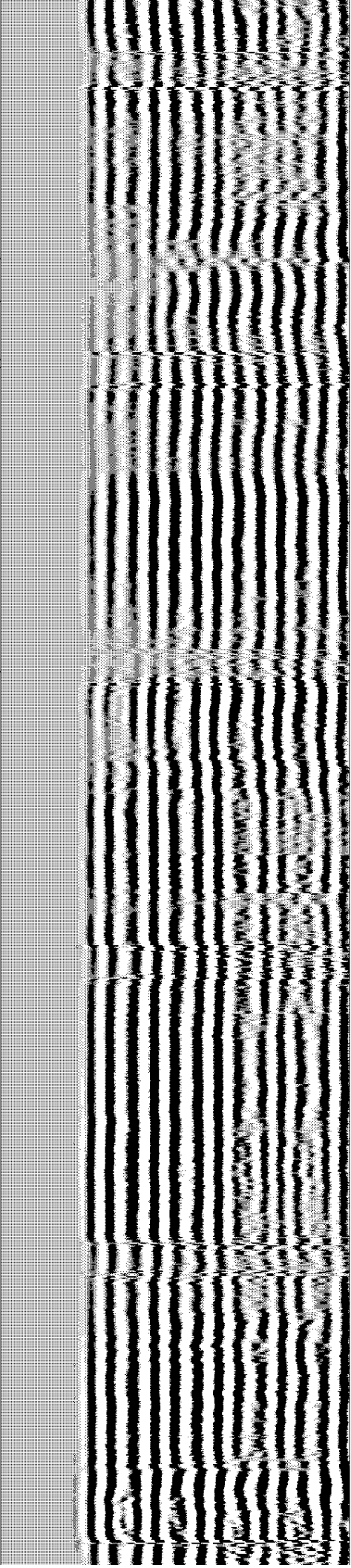
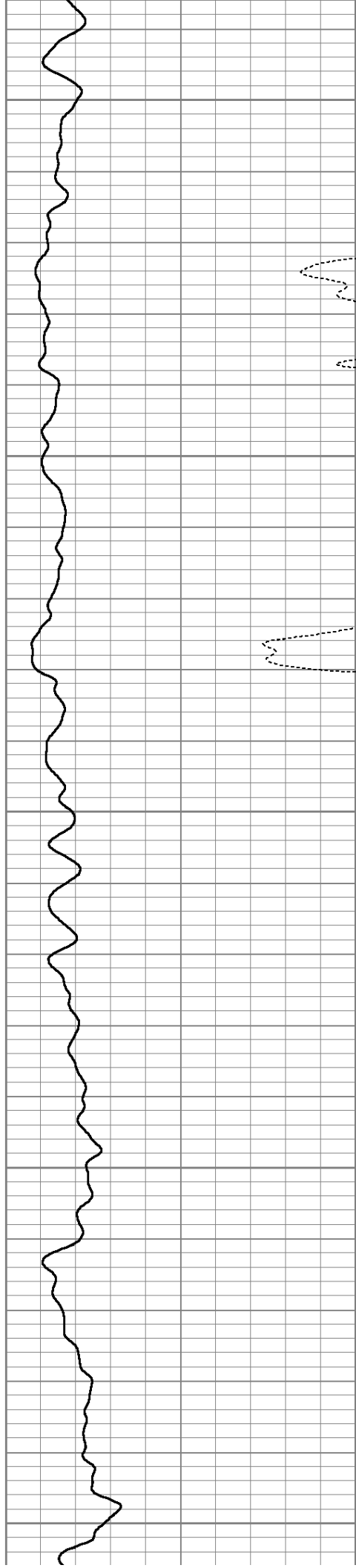
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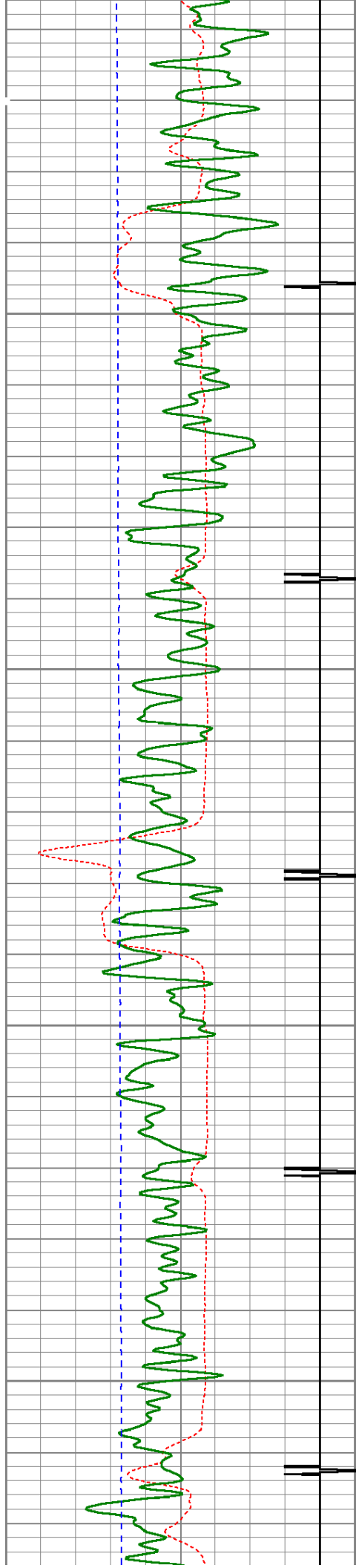
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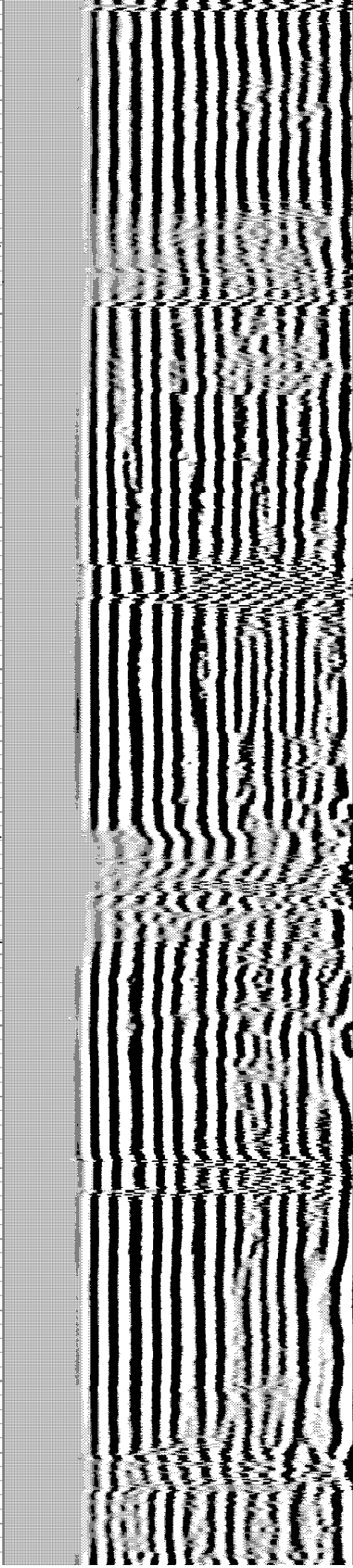
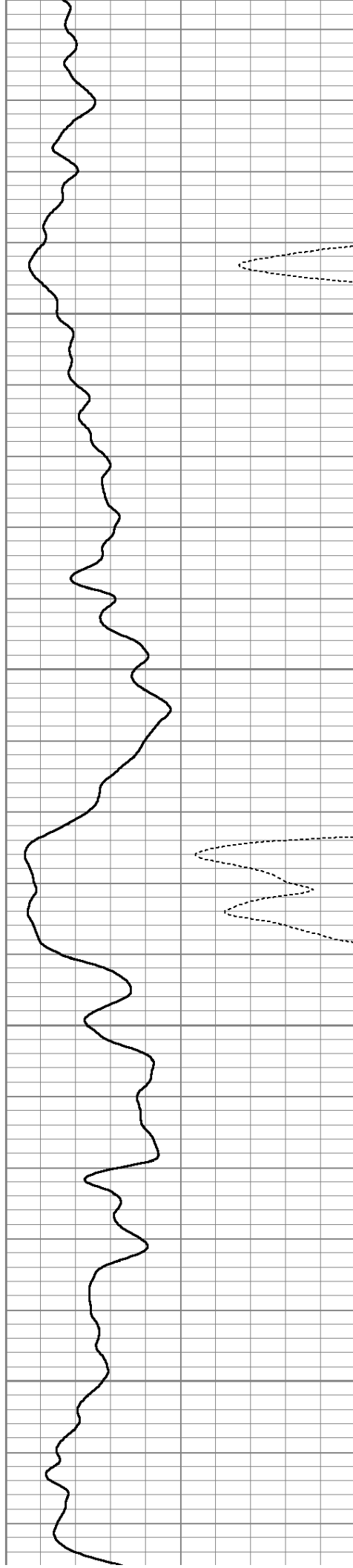


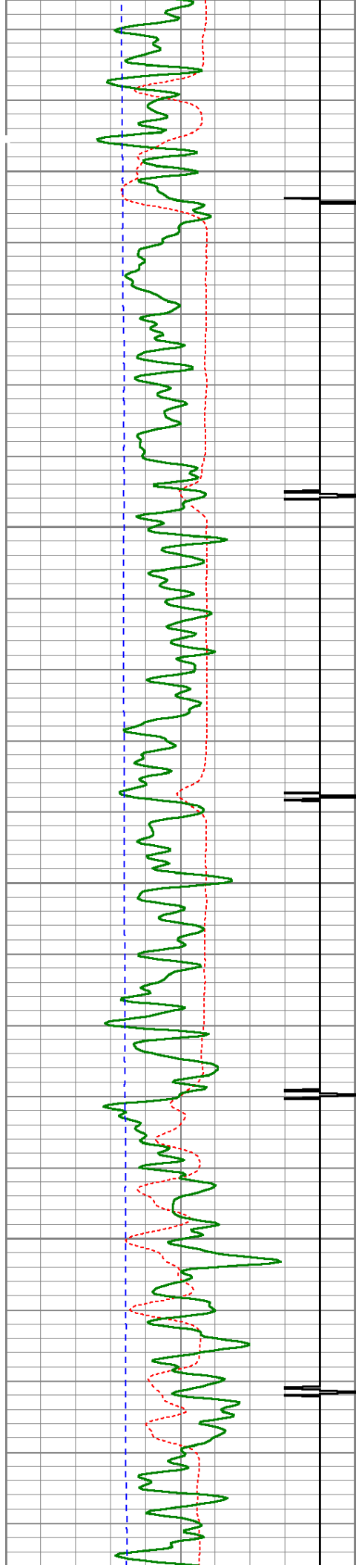
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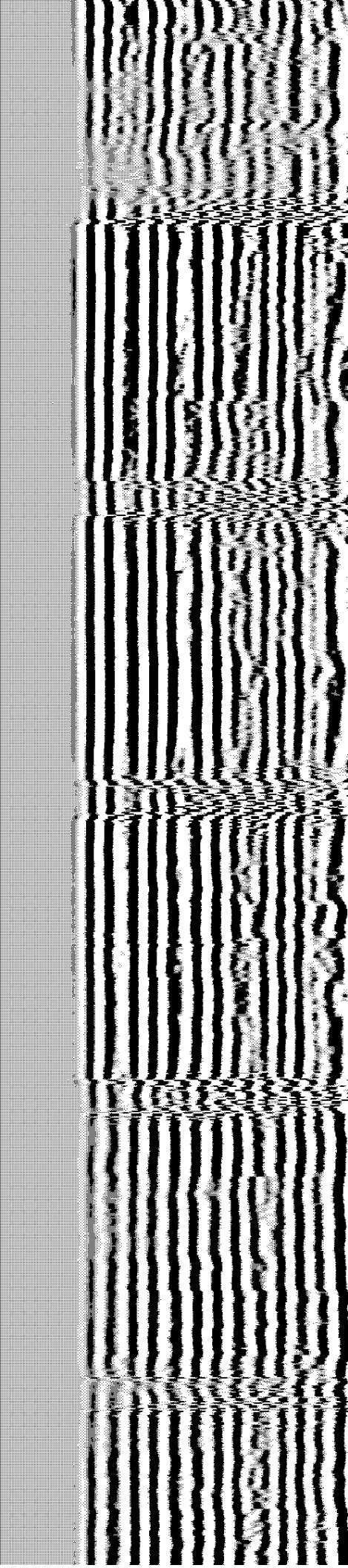
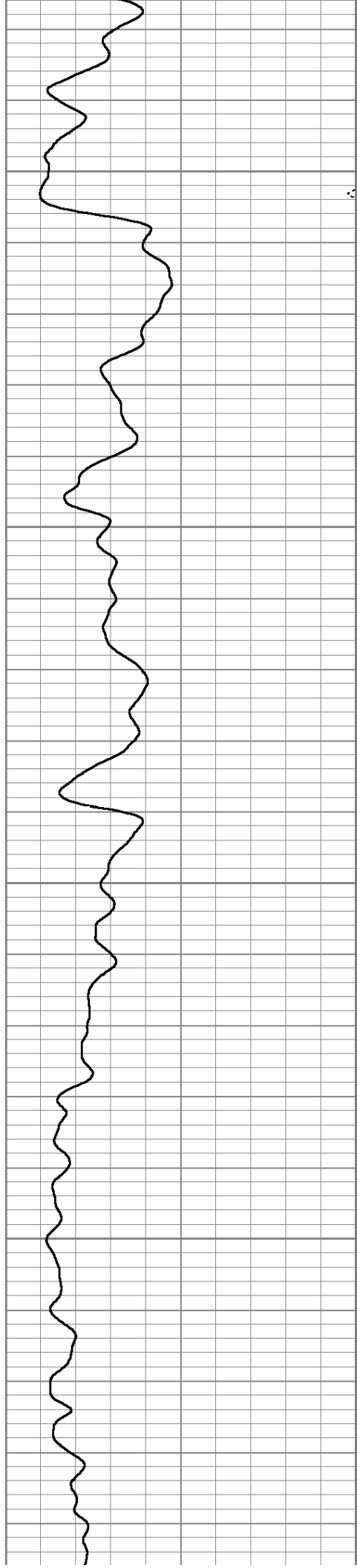


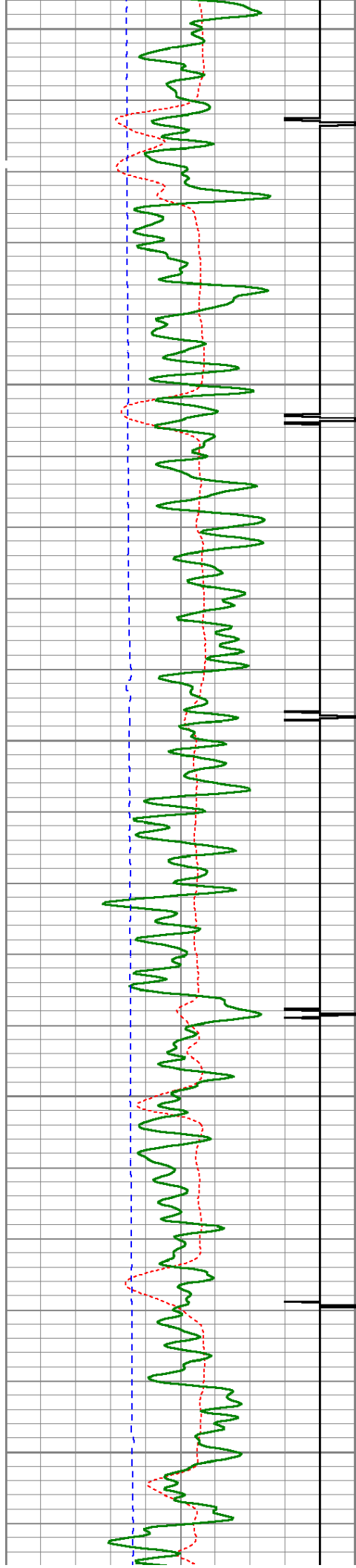
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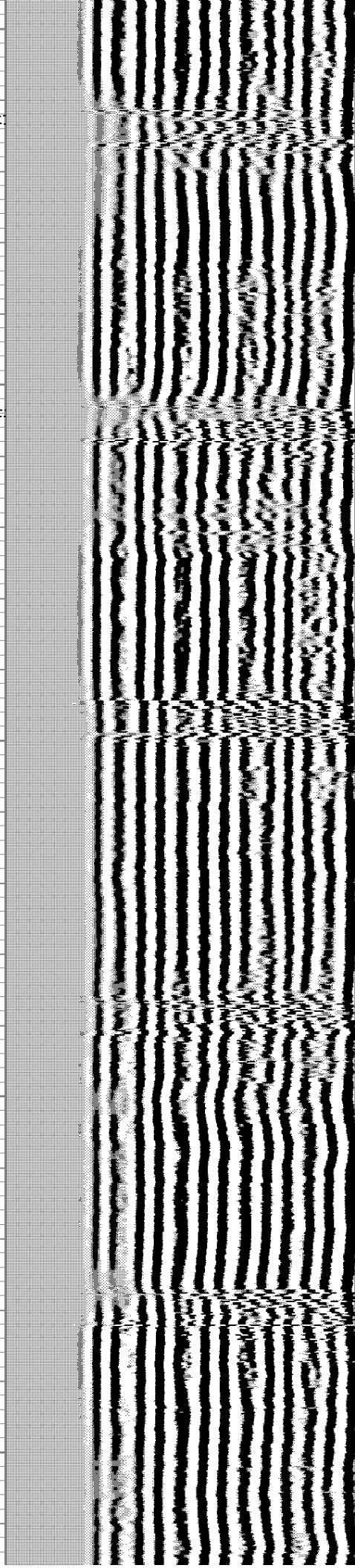
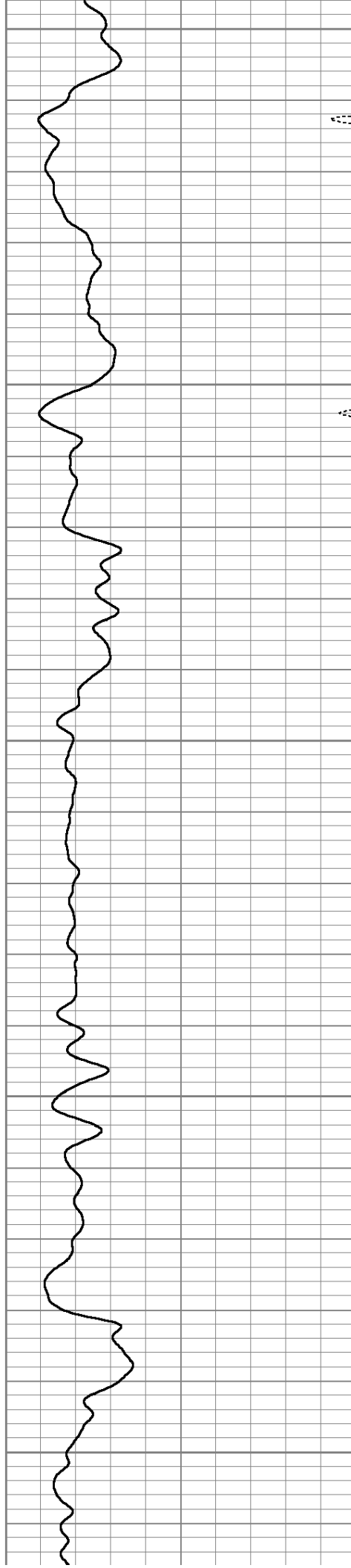
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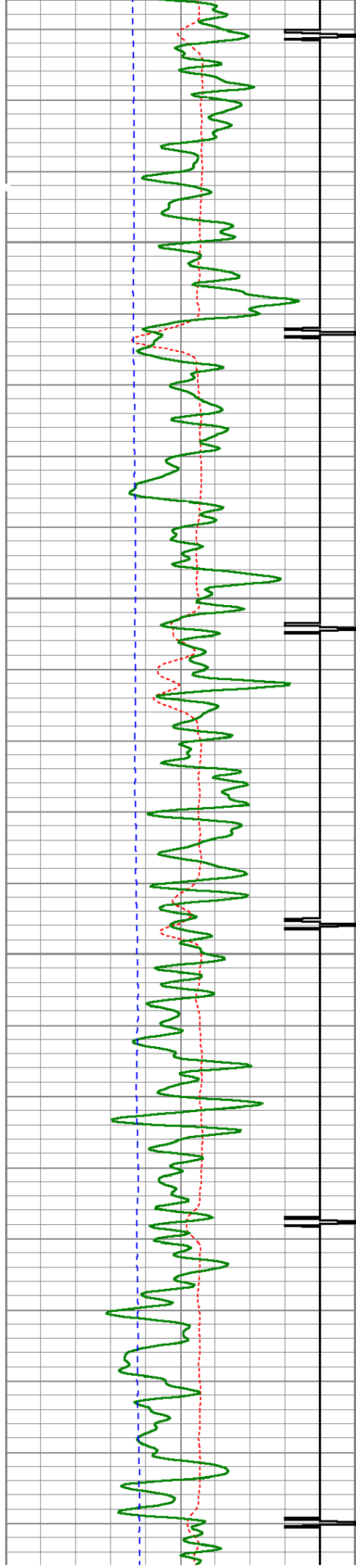
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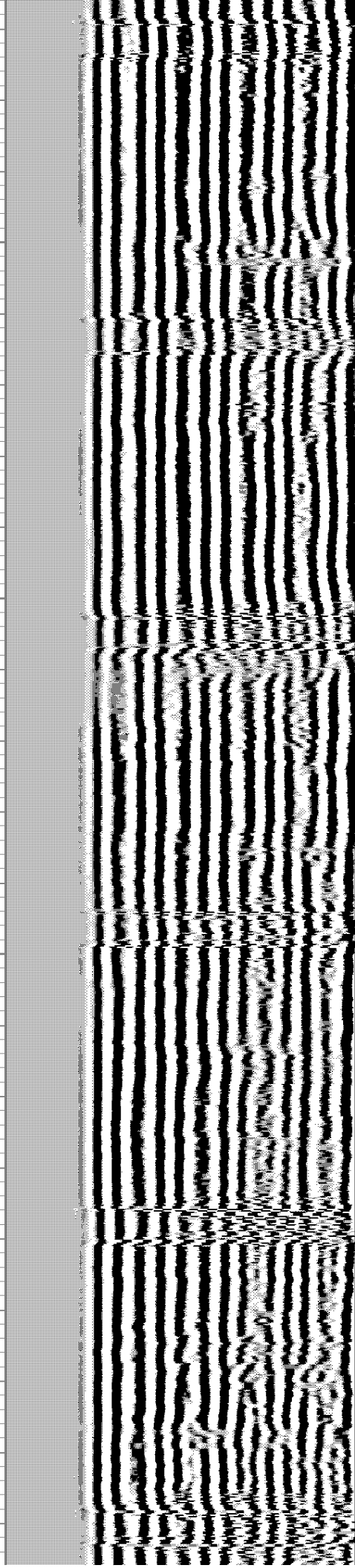
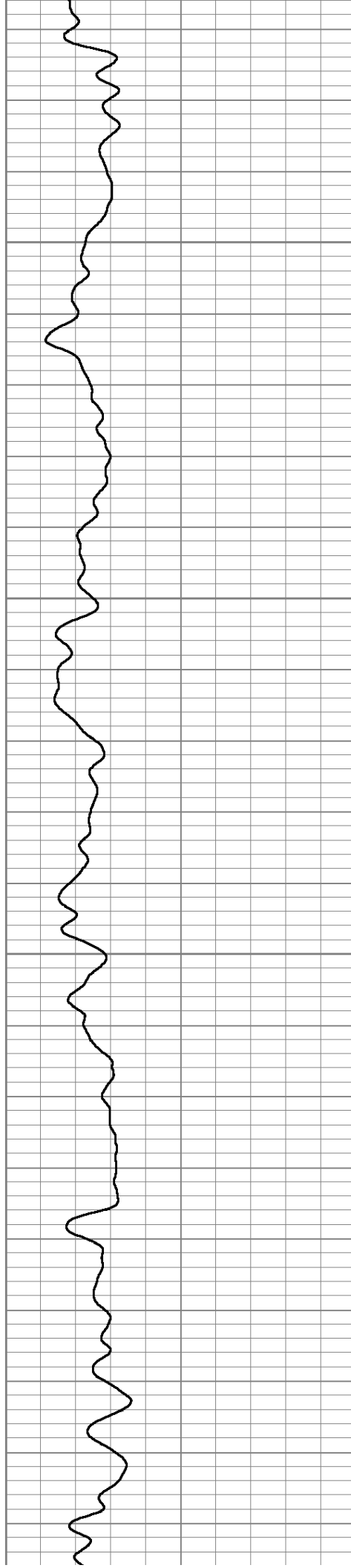


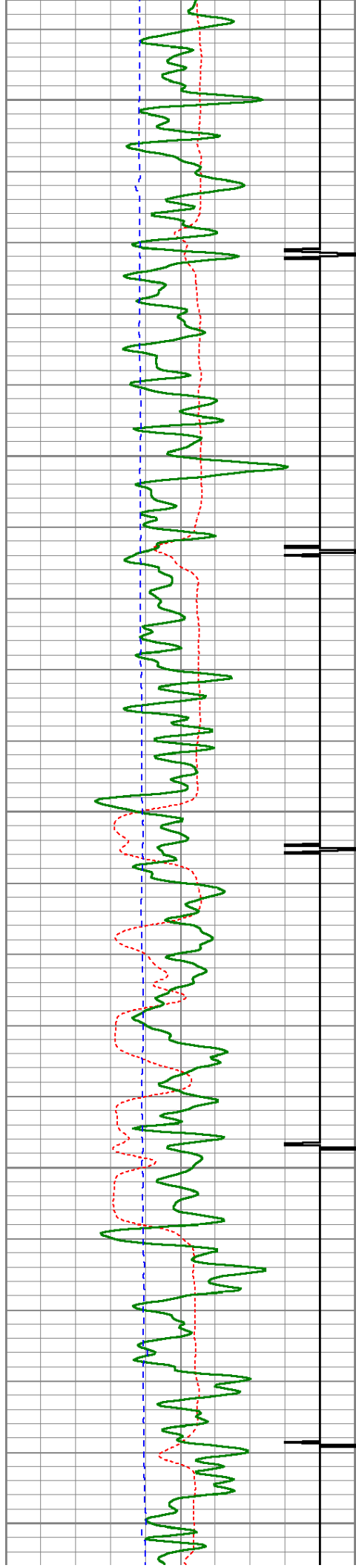
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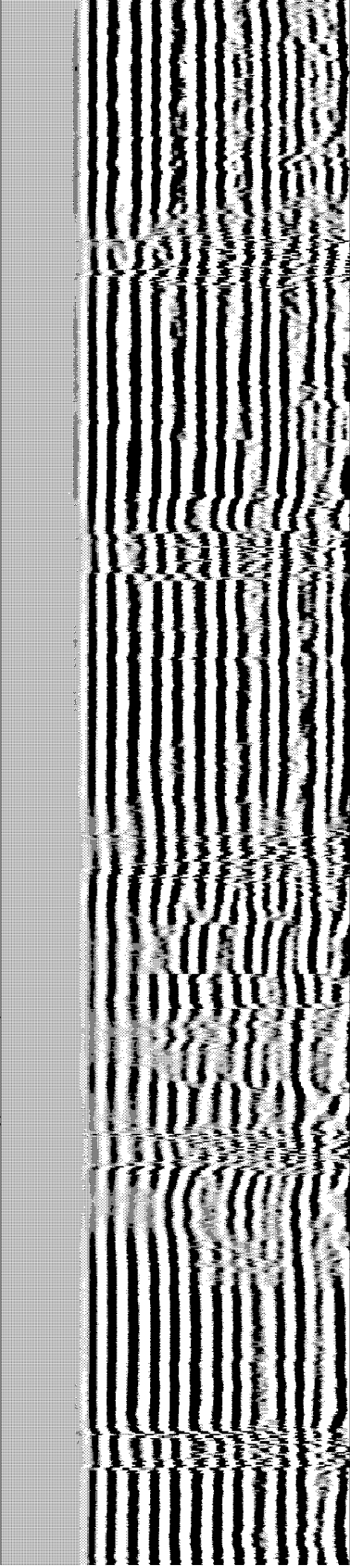
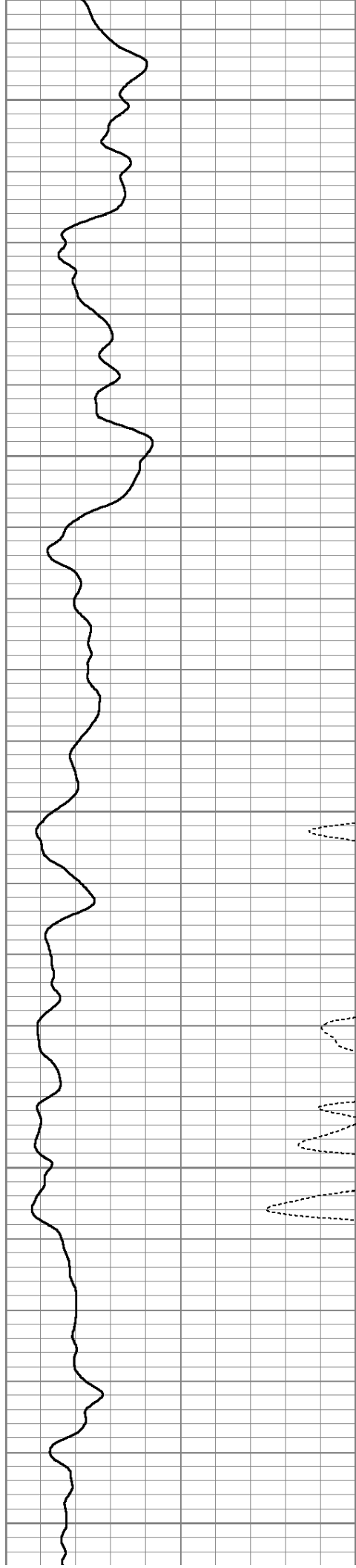
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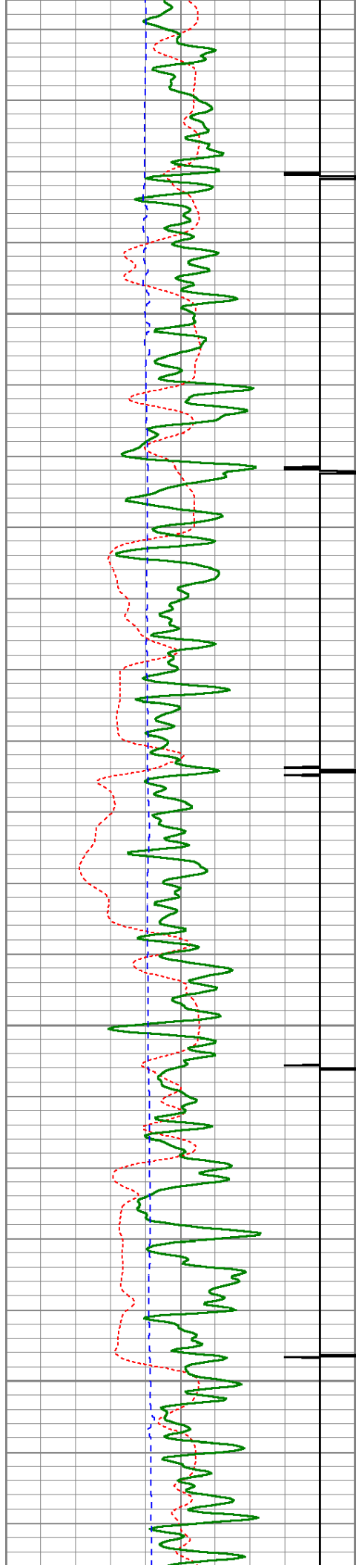
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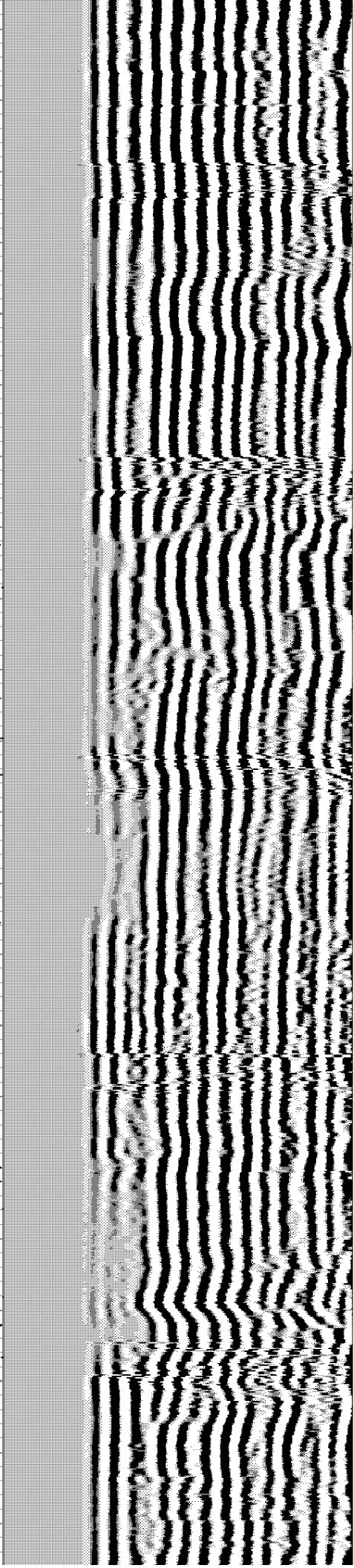
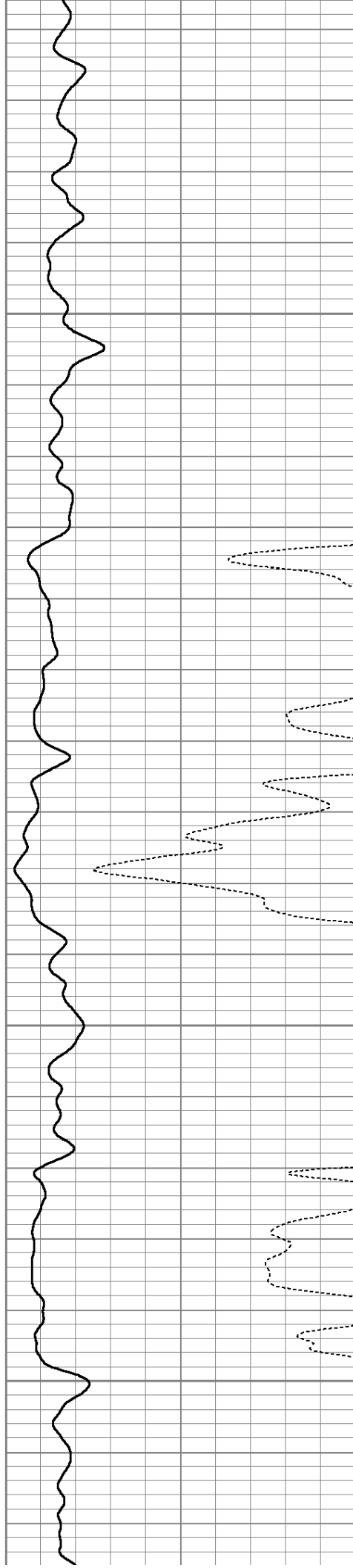


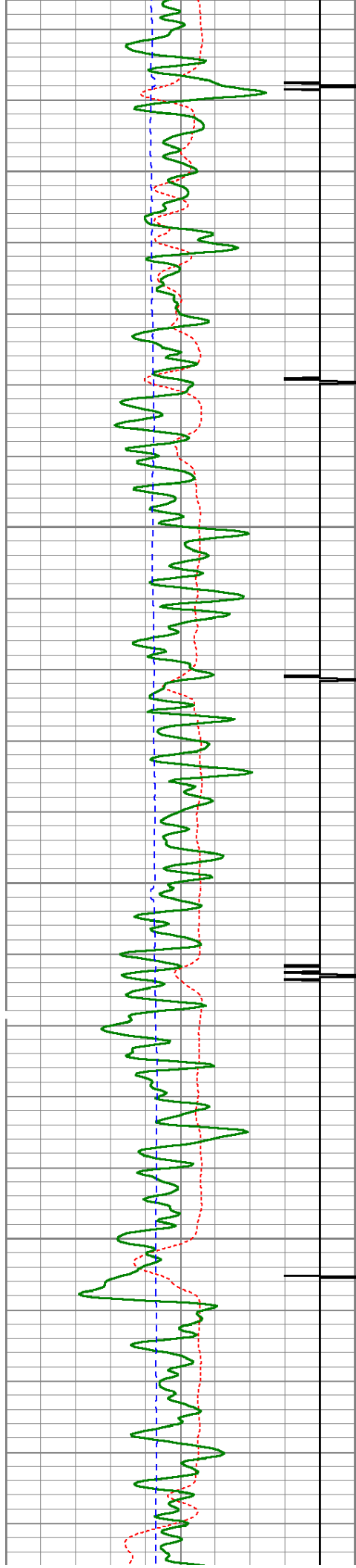
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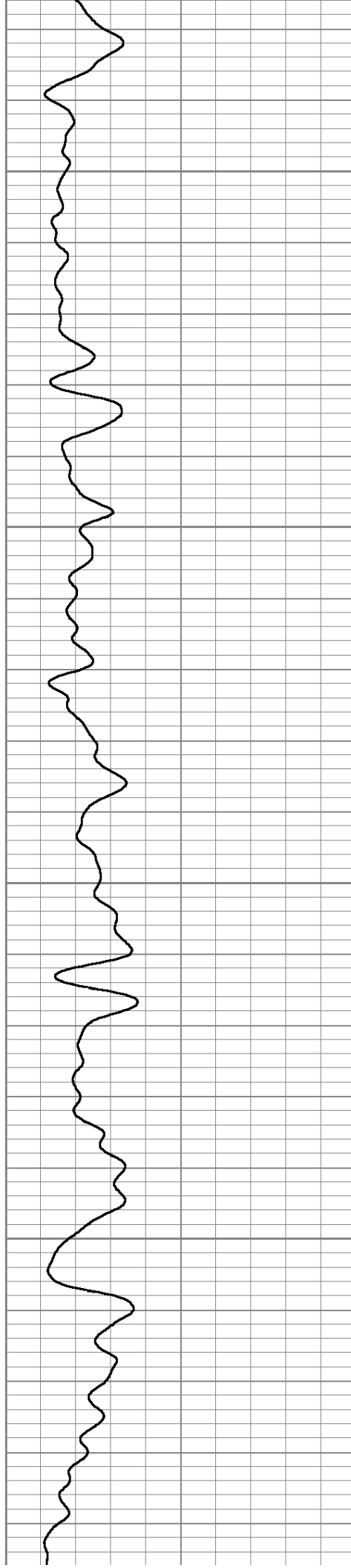


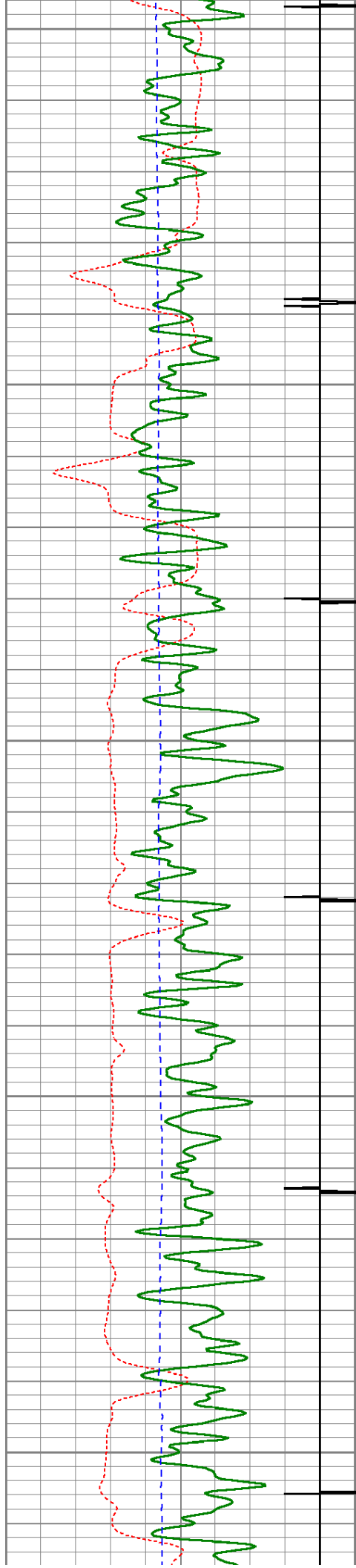
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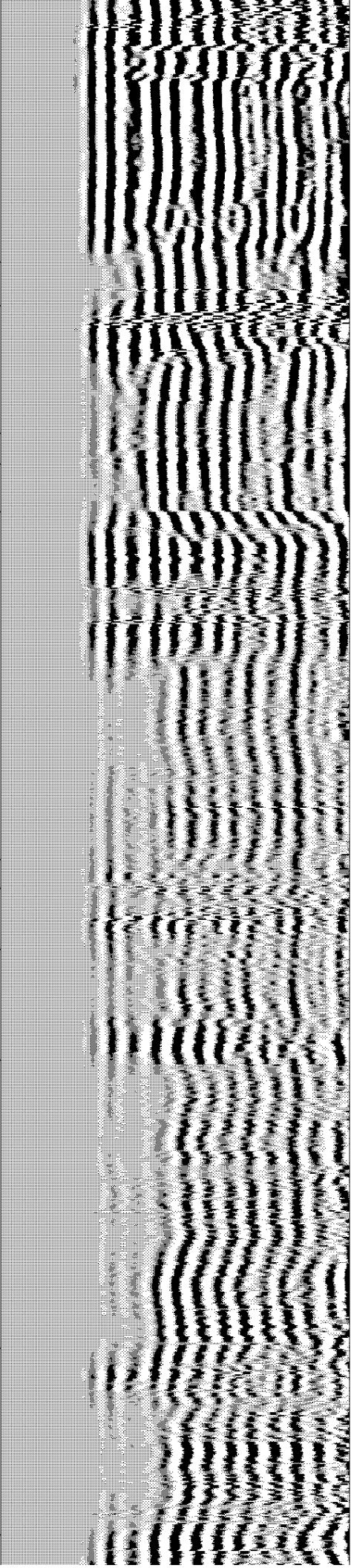
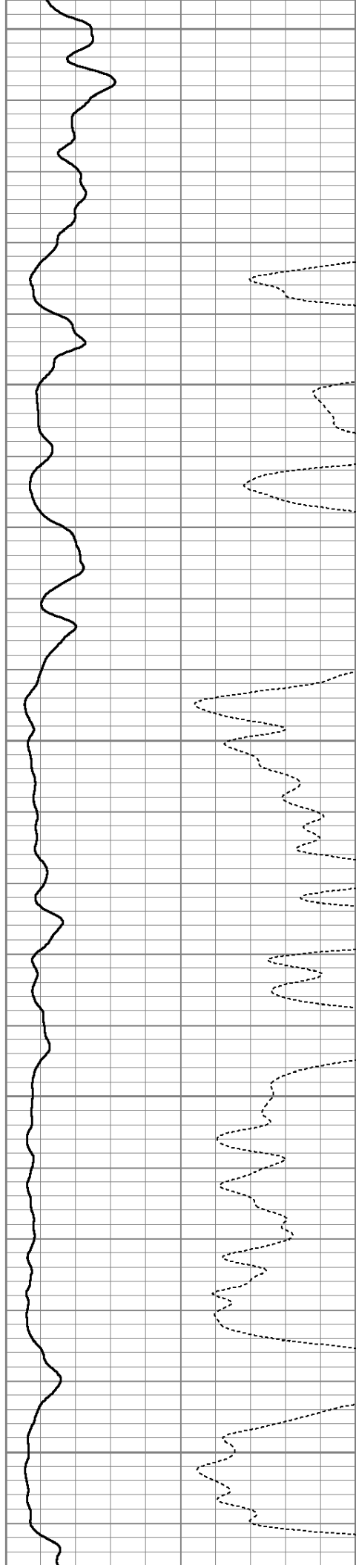
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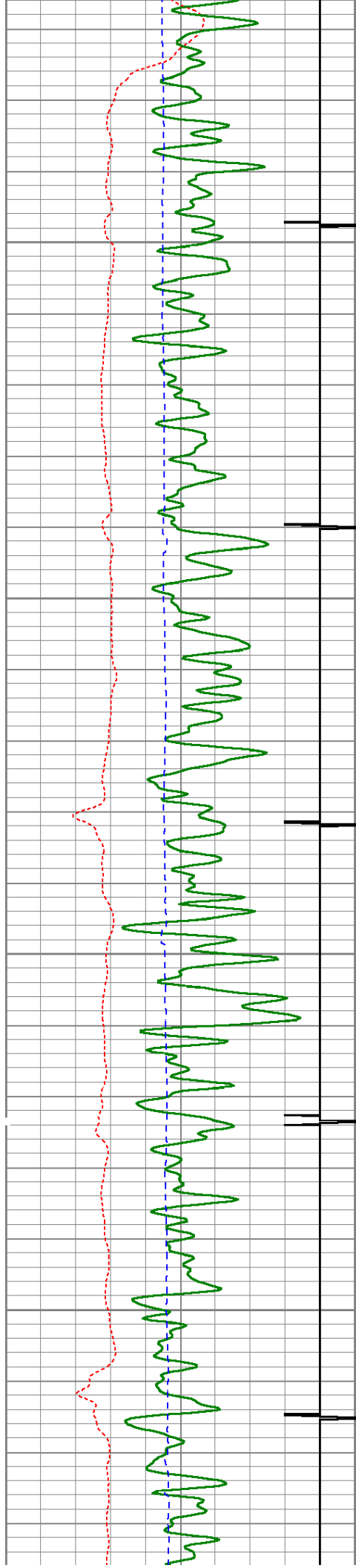
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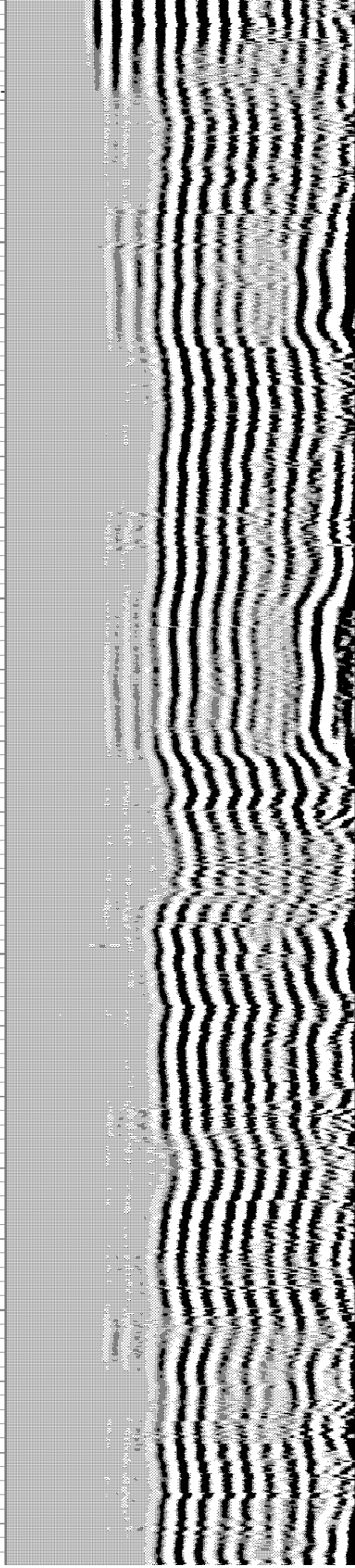
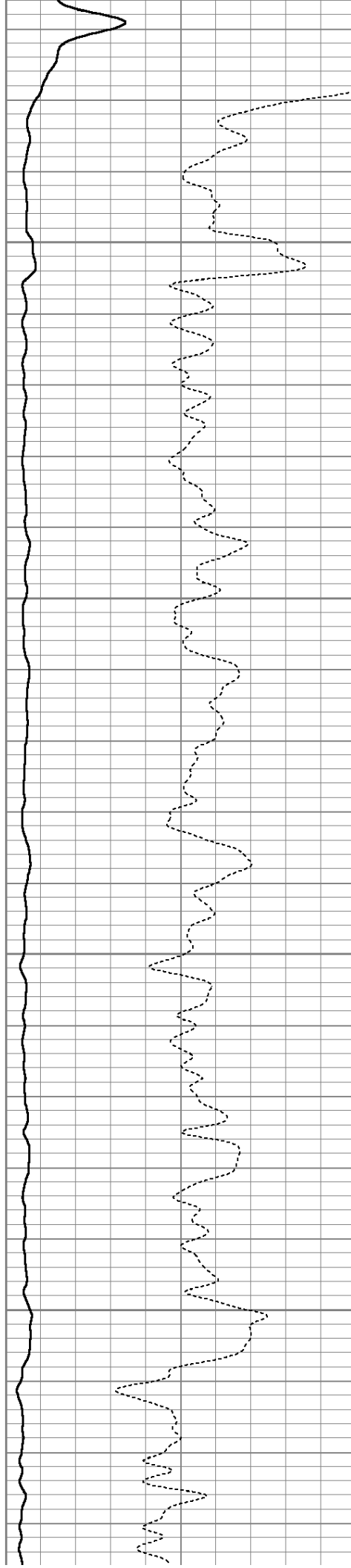


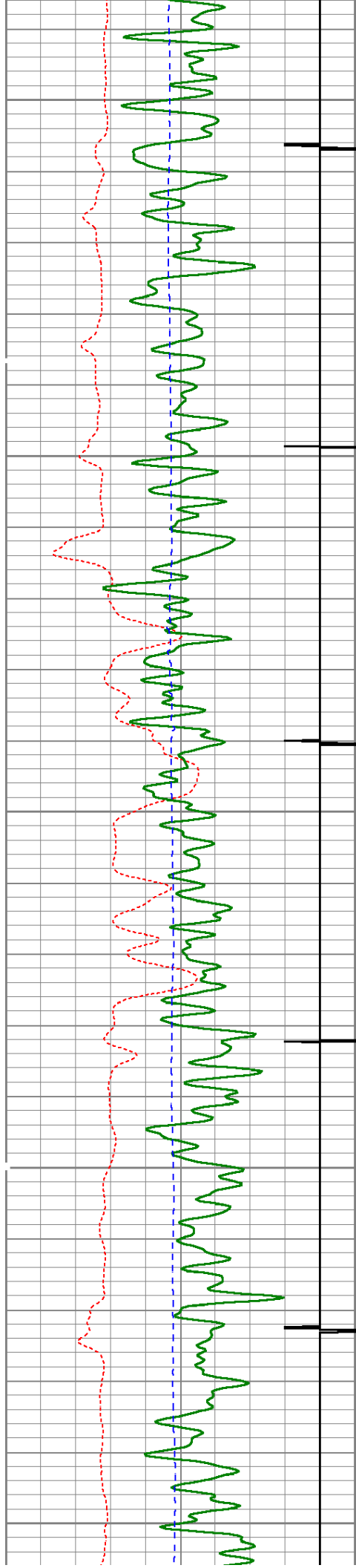
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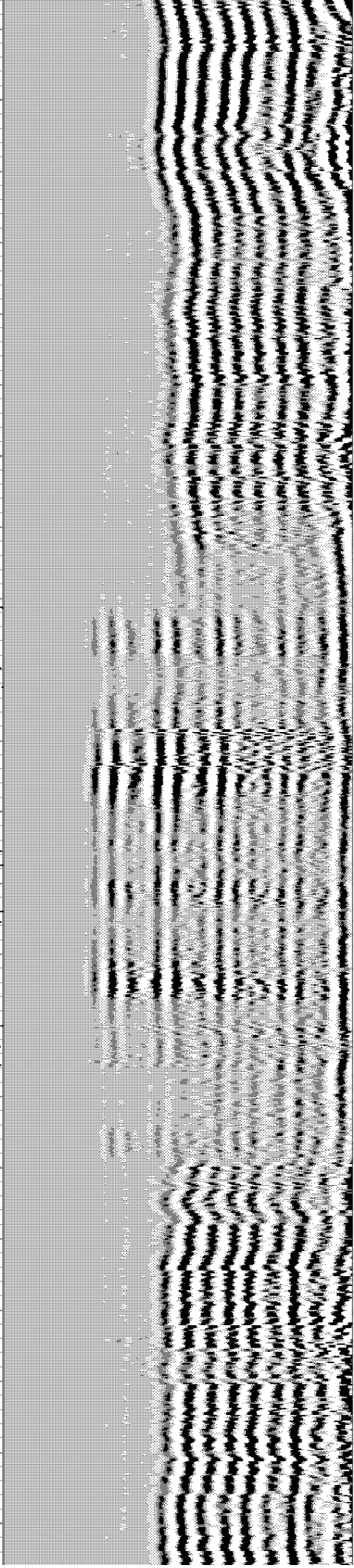
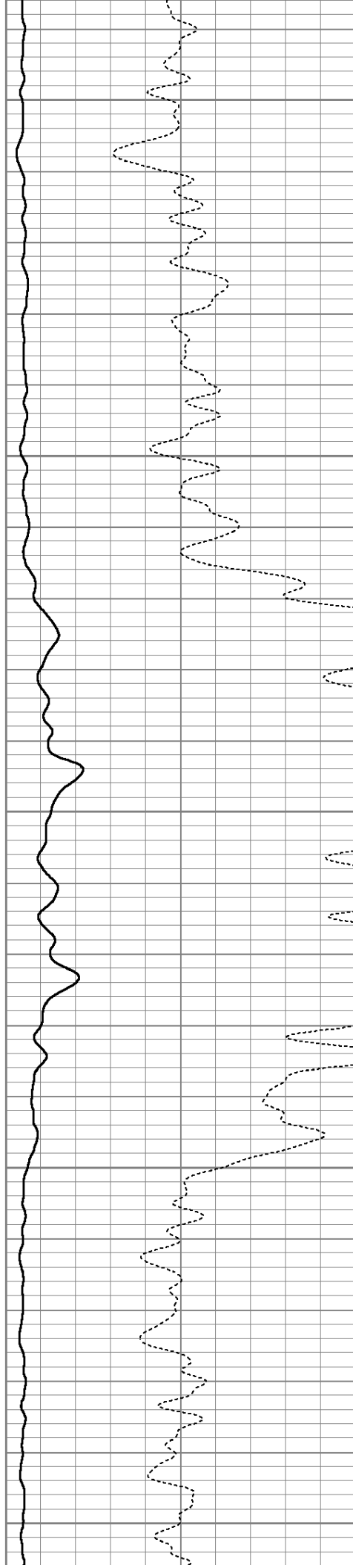
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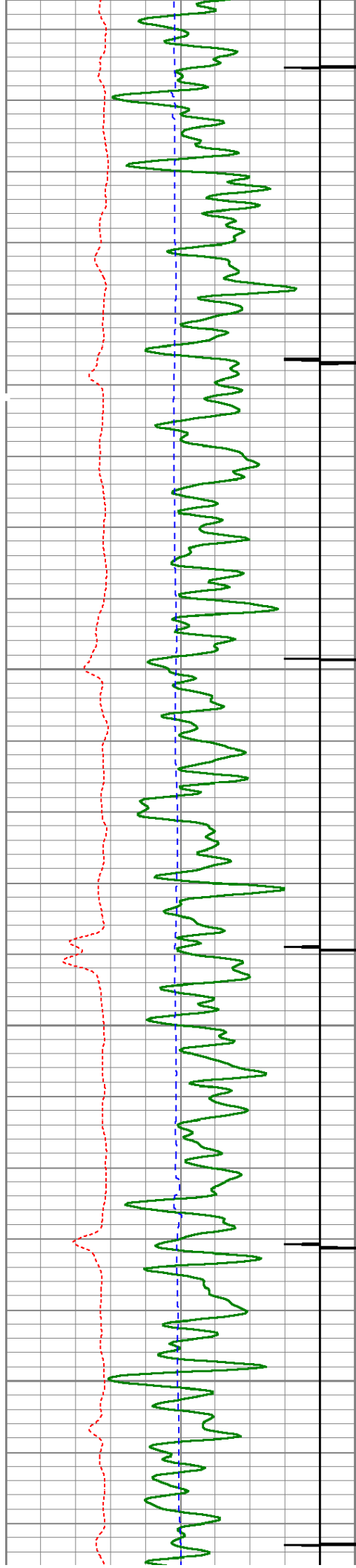
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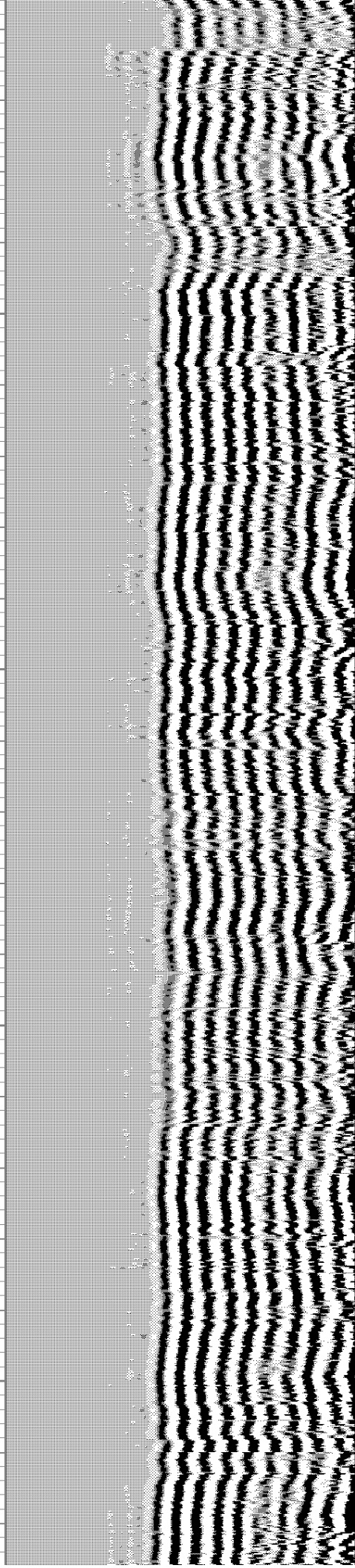
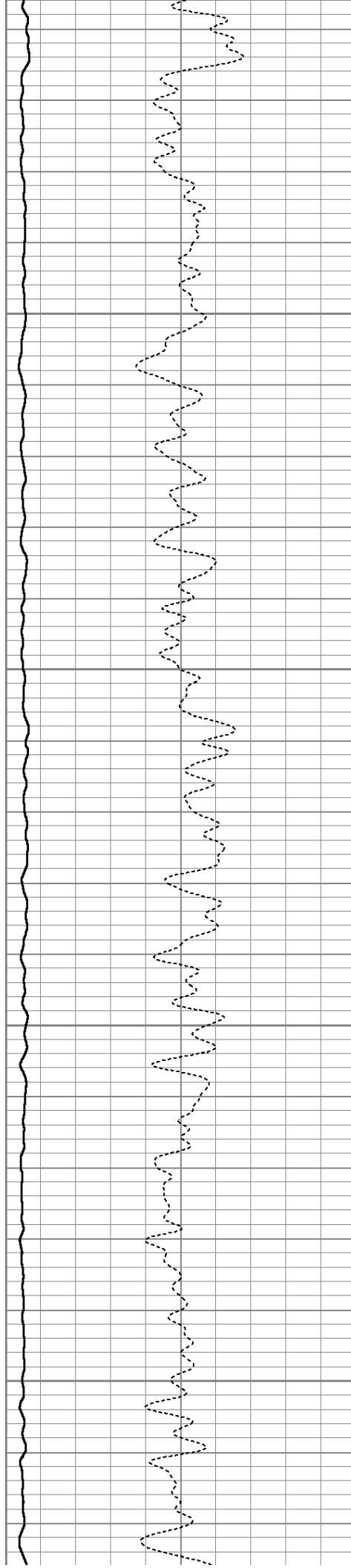


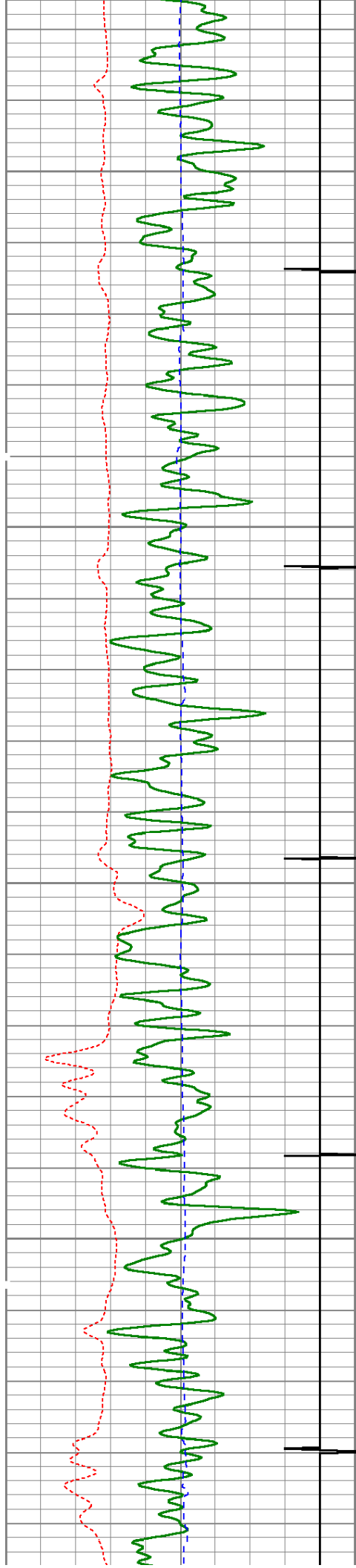
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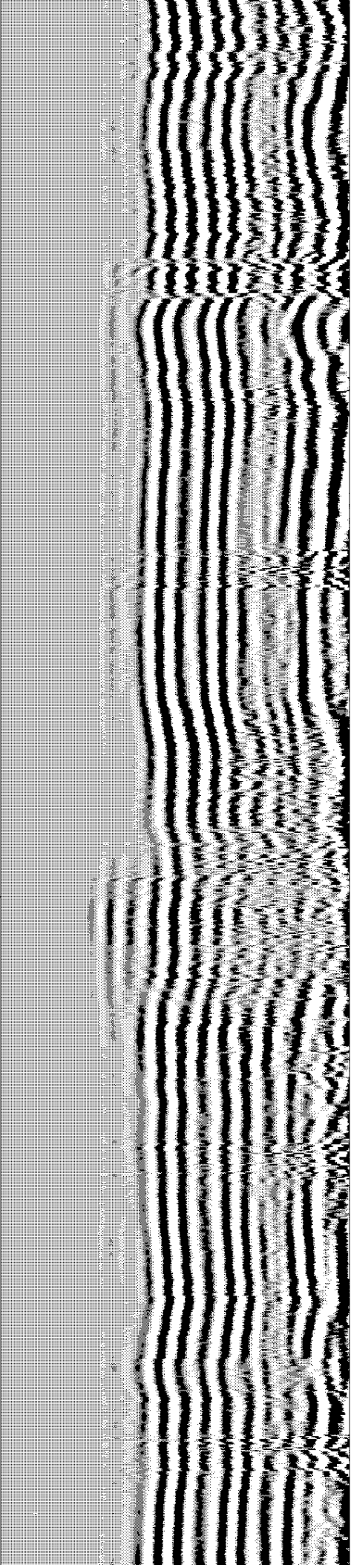
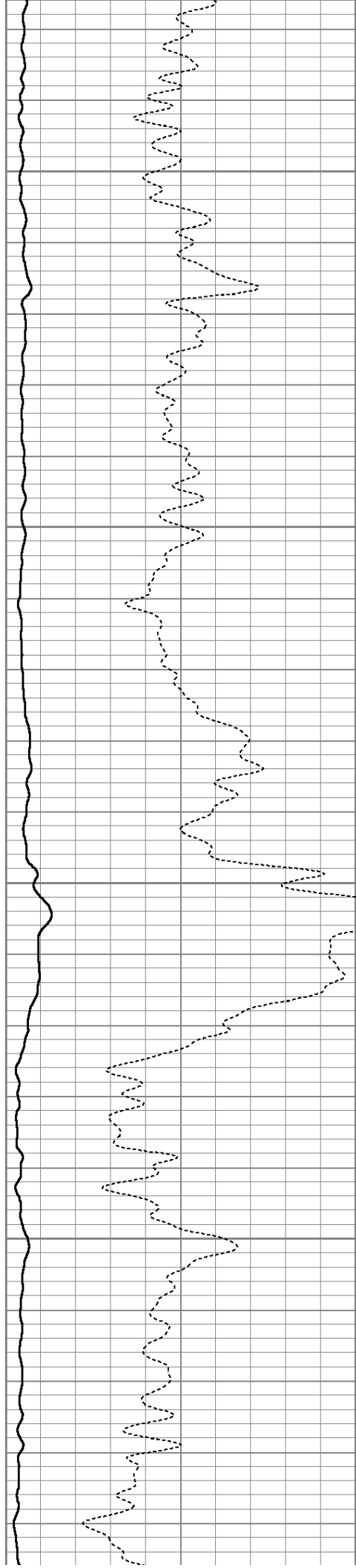


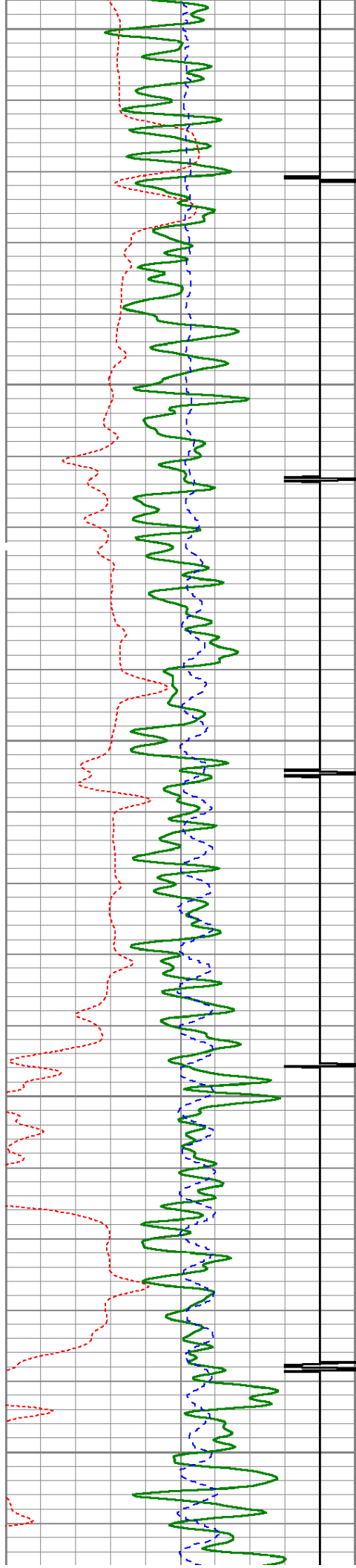
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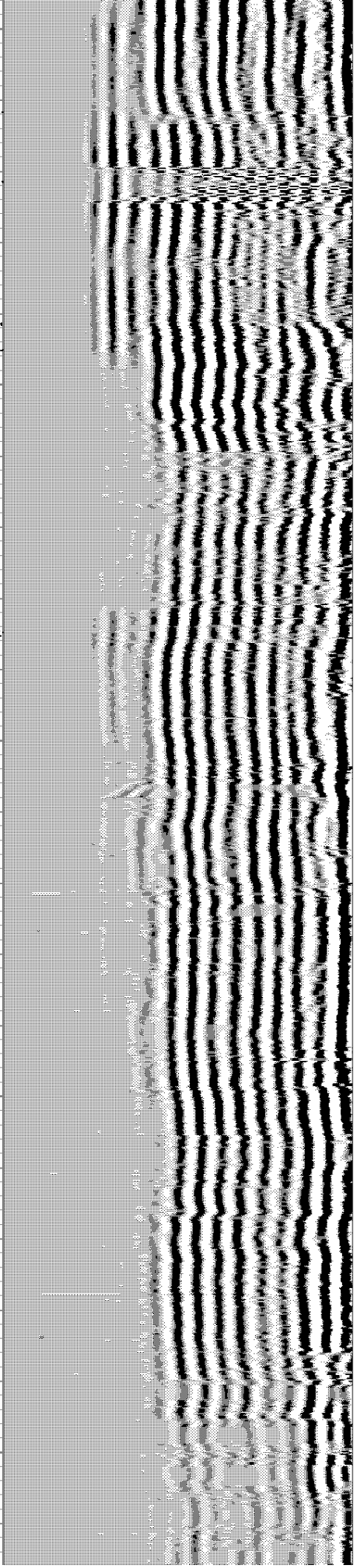
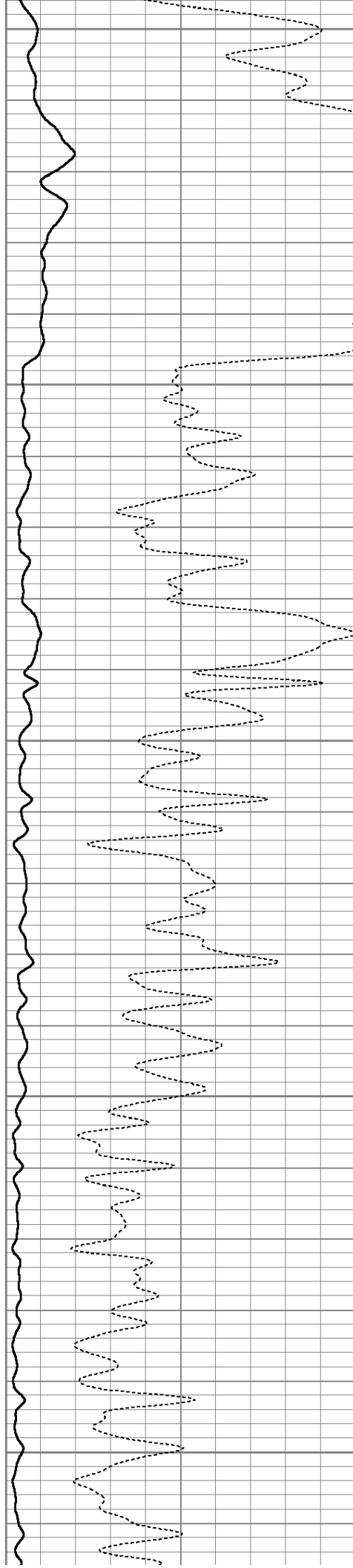
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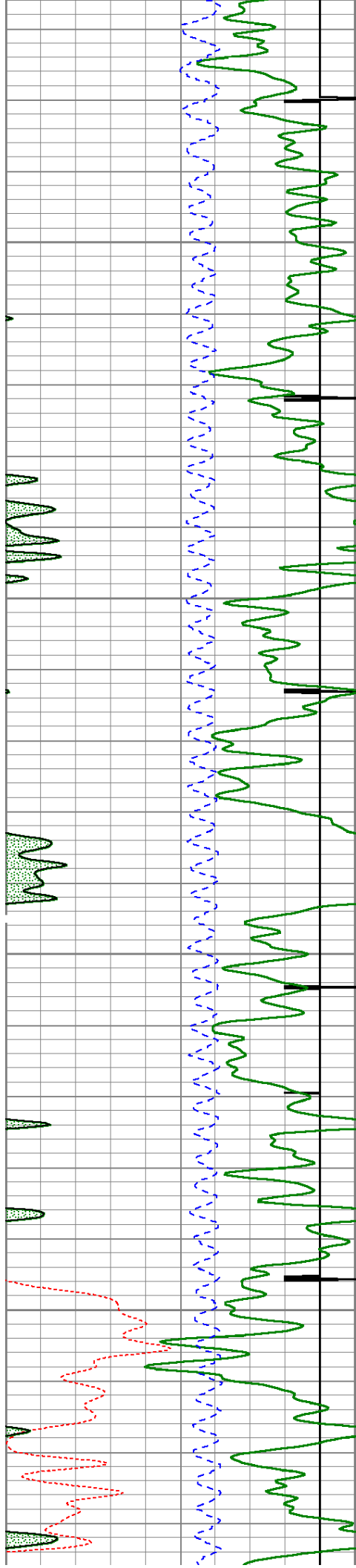
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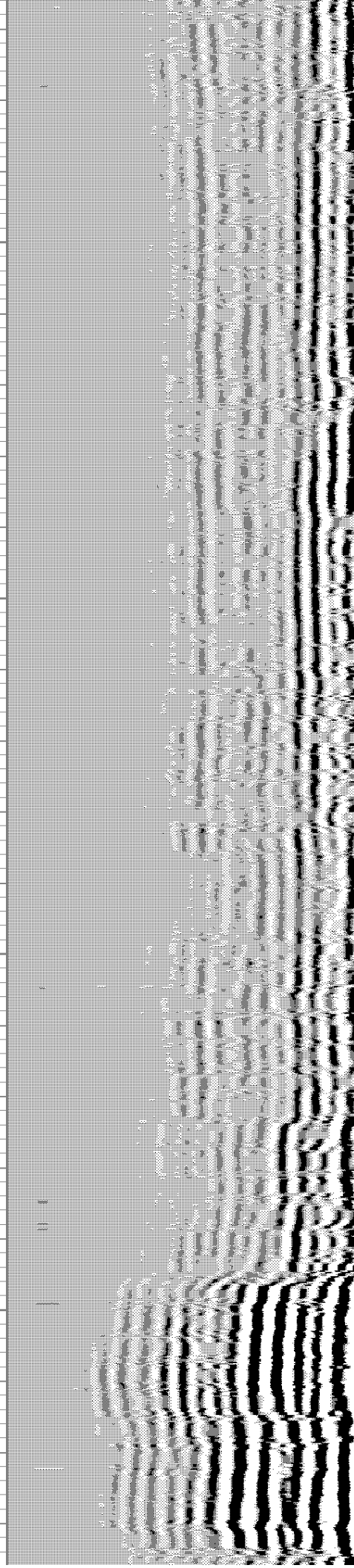
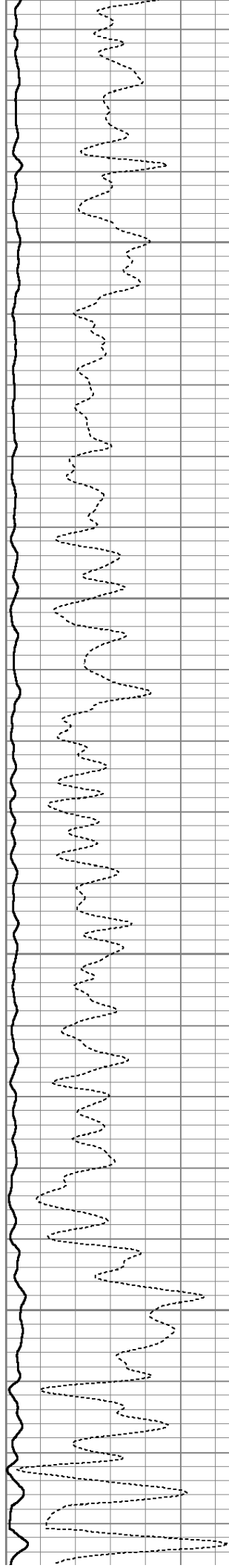


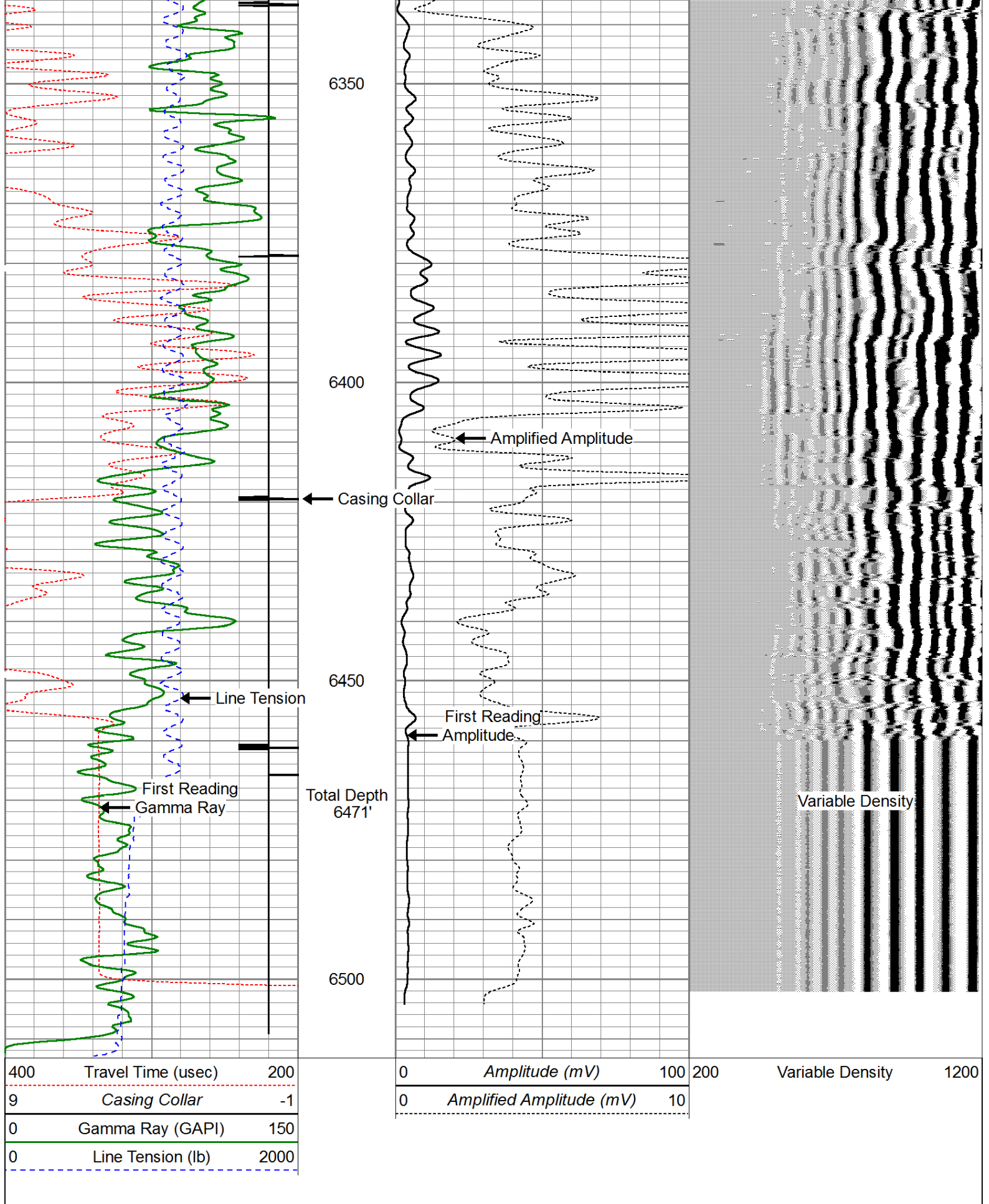
6150

6200

6250

6300



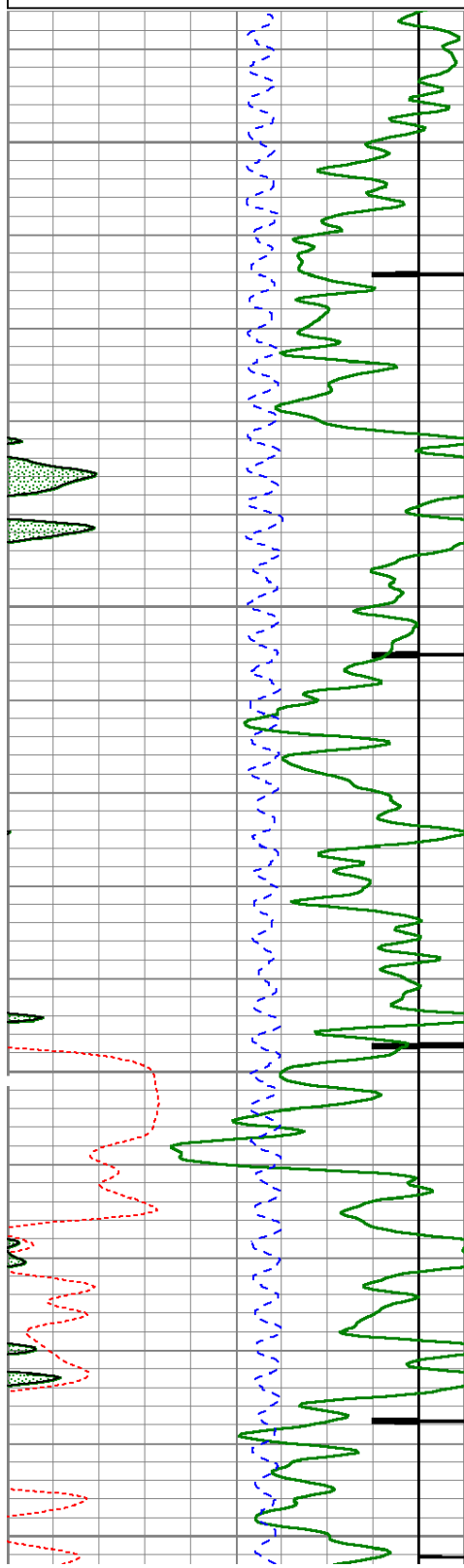


Database File: bonanza creek antelopeb11-v41-33hnc_cbl.db
Dataset Pathname: pass3
Presentation Format: cblprobe
Dataset Creation: Mon May 19 09:51:48 2014 by Log 0
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

0	Amplitude (mV)	100
0	Amplified Amplitude (mV)	10

200 Variable Density 1200

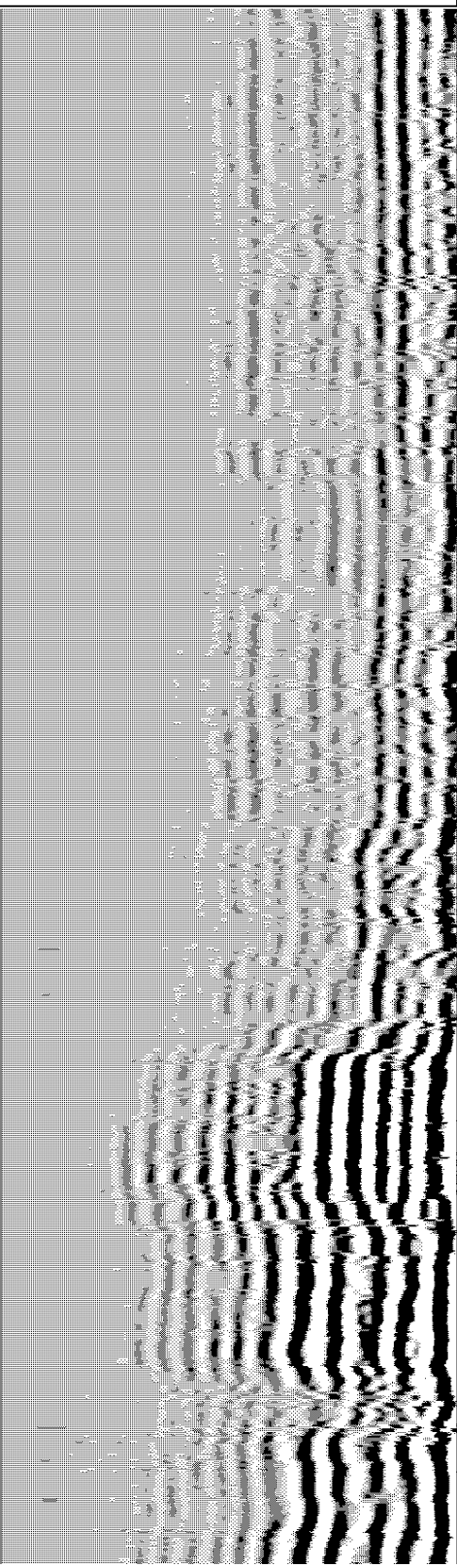
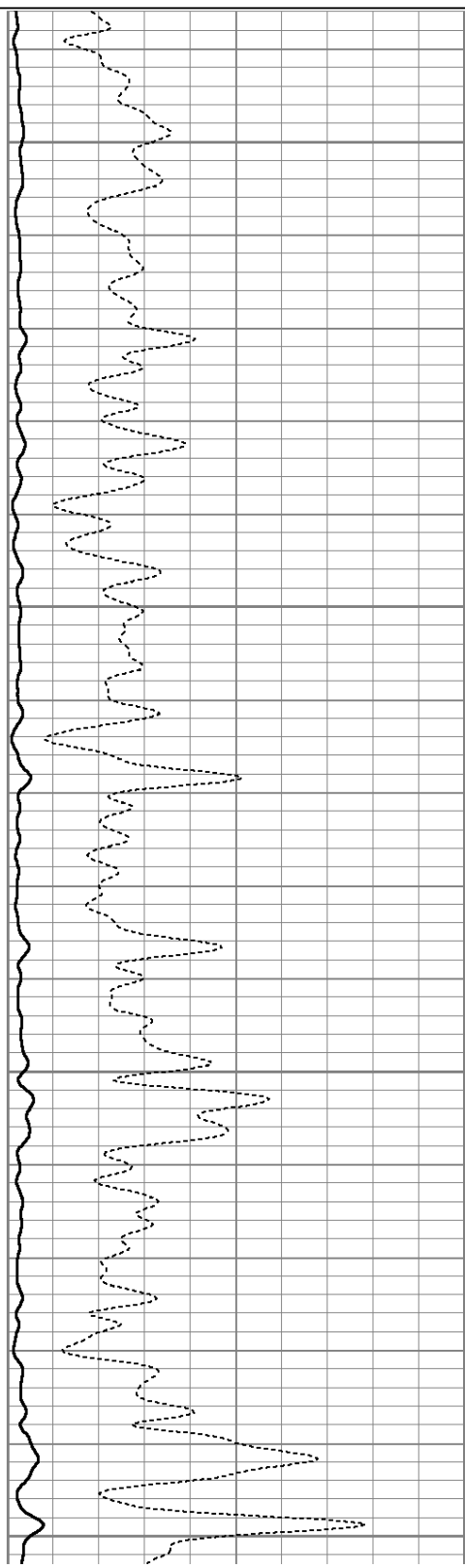


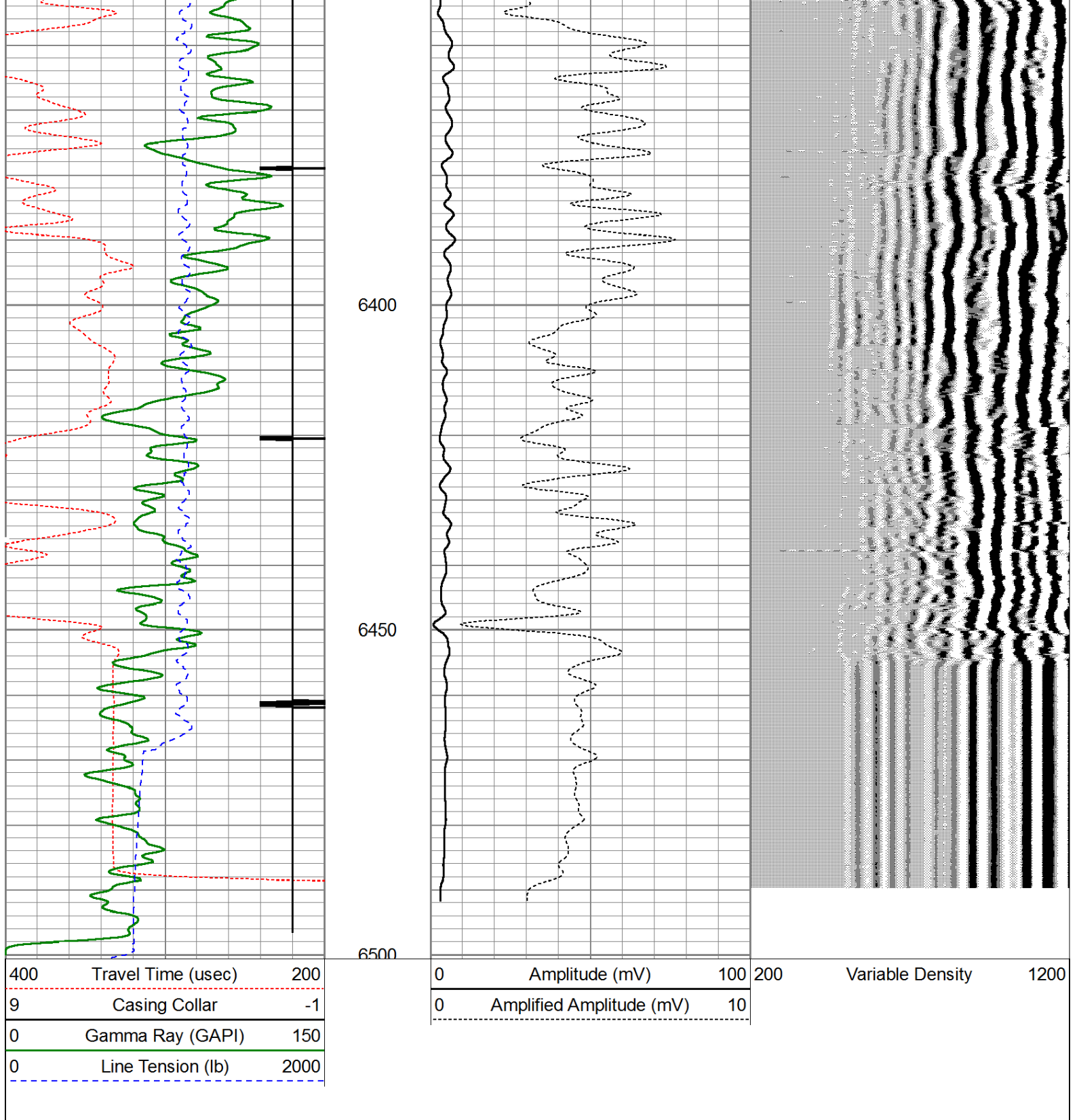
6200

6250

6300

6350





Calibration Report

Database File: bonanza creek antelopeb11-v41-33hnc_cbl.db
Dataset Pathname: pass5
Dataset Creation: Mon May 19 09:59:37 2014 by Log 0

Gamma Ray Calibration Report

Serial Number: 111111
Tool Model: Probe275
Performed: Sun Apr 06 08:54:14 2014
Calibrator Value: 1022.0 GAPI

Background Reading:	82.4	cps
Calibrator Reading:	1474.8	cps
Sensitivity:	0.7340	GAPI/cps

Temperature Calibration Report					
Serial Number:	111111				
Tool Model:	Probe275				
Performed:	Sun Jun 13 13:33:21 1993				
	Reference		Reading		
Low Reference:	0.00	degF	0.00	cps	
High Reference:	1.00	degF	1.00	cps	
Gain:	1.00				
Offset:	0.00				
Delta Spacing	2				

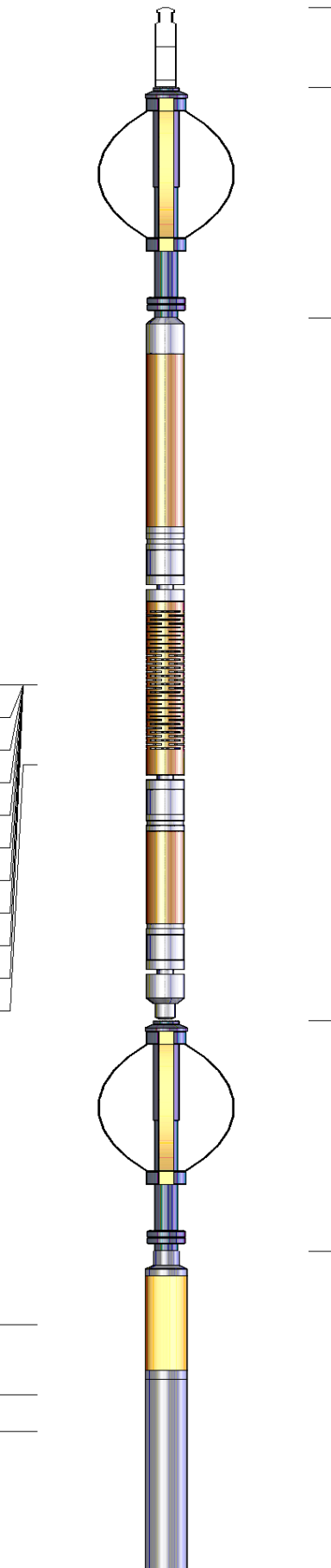
Segmented Cement Bond Log Calibration Report					
Serial Number:	101254				
Tool Model:	Probe				
Calibration Casing Diameter:	5.500	in			
Calibration Depth:	0.007	ft			

Master Calibration, performed Mon May 19 09:49:51 2014:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.030	0.724	1.000	71.921	102.212	3.033
CAL	-0.025	0.776				
5'	-0.021	0.670	1.000	71.921	102.566	3.185
SUM						
S1	-0.032	0.756	0.000	100.000	126.902	4.068
S2	0.023	0.743	0.000	100.000	139.017	-3.236
S3	0.041	0.703	0.000	100.000	150.996	-6.223
S4	0.036	0.664	0.000	100.000	159.263	-5.729
S5	0.055	0.676	0.000	100.000	160.971	-8.783
S6	0.062	0.721	0.000	100.000	151.676	-9.367
S7	0.057	0.746	0.000	100.000	145.163	-8.295
S8	0.015	0.747	0.000	100.000	136.659	-2.080

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	-0.025	0.776	1.000	0.000

Air Zero Calibration, performed Sat Feb 22 08:53:18 2014:						
	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	

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)
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.84		Titan Cable_head	1.00	1.44	10.00
	11.84		Probe275 2.75" Centralizer	2.88	2.75	20.00
	11.84					
	11.84					
	11.84					
	11.84					
	11.84					
	11.84					
	11.84					
	11.84					
	11.84					
	10.84					
CCL TEMP GR	3.88					
	3.00					
	2.54					
			RBT-Probe (101254) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
			Probe275 2.75" Centralizer	2.88	2.75	20.00
			GR-Probe275 (111111) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00



Dataset:	bonanza creek antelopeb11-v41-33hnc_cbl.db: field/well/run1/pass5
Total Length:	20.28 ft
Total Weight:	197.00 lb
O.D.	2.75 in