



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

Company Bonanza Creek Energy		Company Bonanza Creek Energy					
Well Antelope A11-U41-33HNC		Well Antelope A11-U41-33HNC					
Field Wattenberg		Field Wattenberg					
County Weld		County Weld					
State Colorado		State Colorado					
Location:		API # : 05-123-39067					
SEC 33 TWP 5N RGE 62W		Other Services NONE					
Permanent Datum		Ground Level					
Log Measured From		Elevation					
Drilling Measured From		K.B. 4595'					
		D.F. 4594'					
		G.L. 4579'					
Date May 19, 2014							
Run Number 1							
Depth Driller -							
Depth Logger 6602'							
Bottom Logged Interval 6602'							
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 13:18							
Time Logger on Bottom 13:40							
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	466'			
Prot. String							
Production String	7"	26#	0	6830'			
Liner			6652'	-			

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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 Logged w/0 PSI  
Logged from 16' Kelly Bushing

Logging Speed Requested by Company

No Repeat Pass due to Sticky tool

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



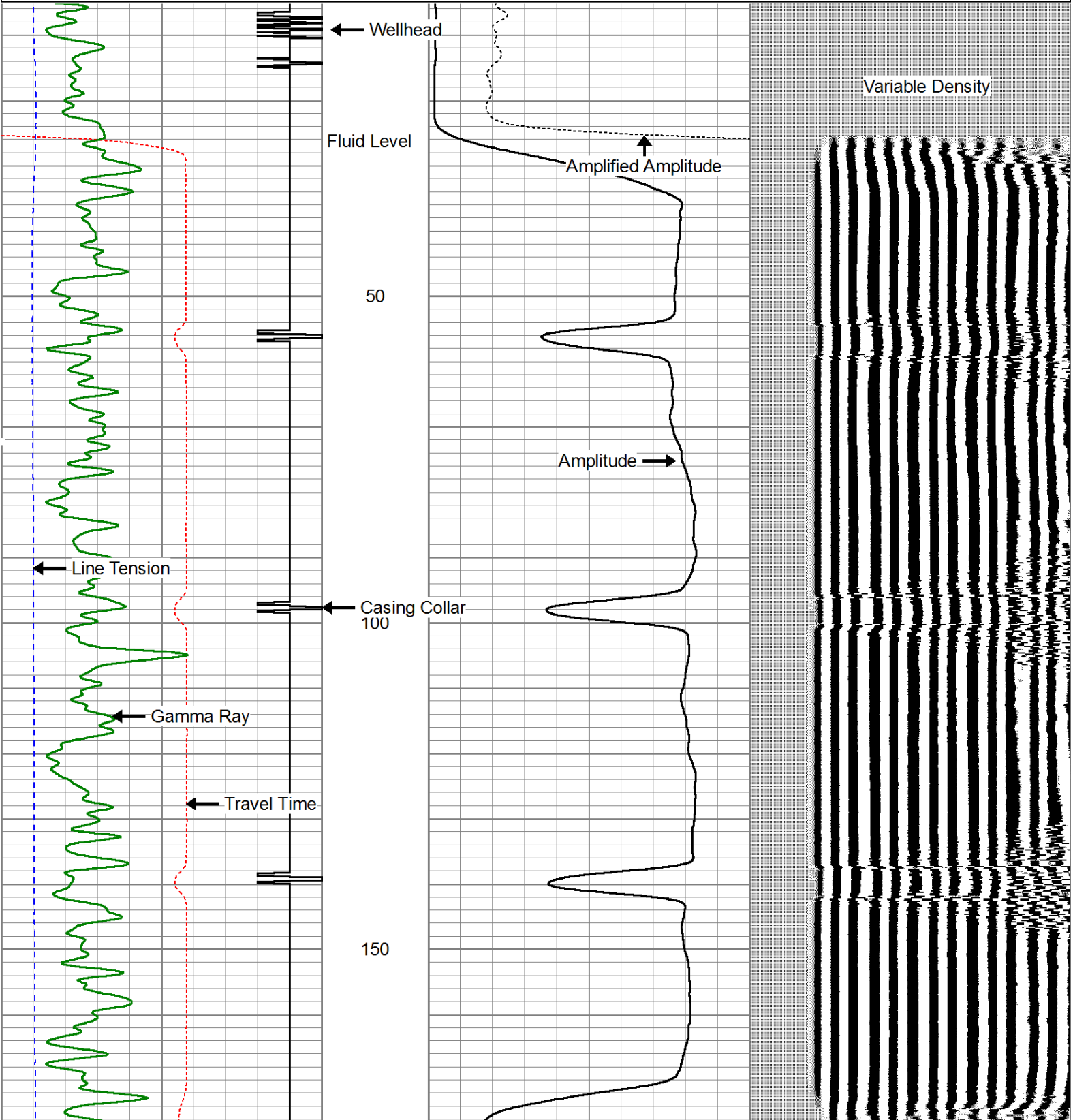
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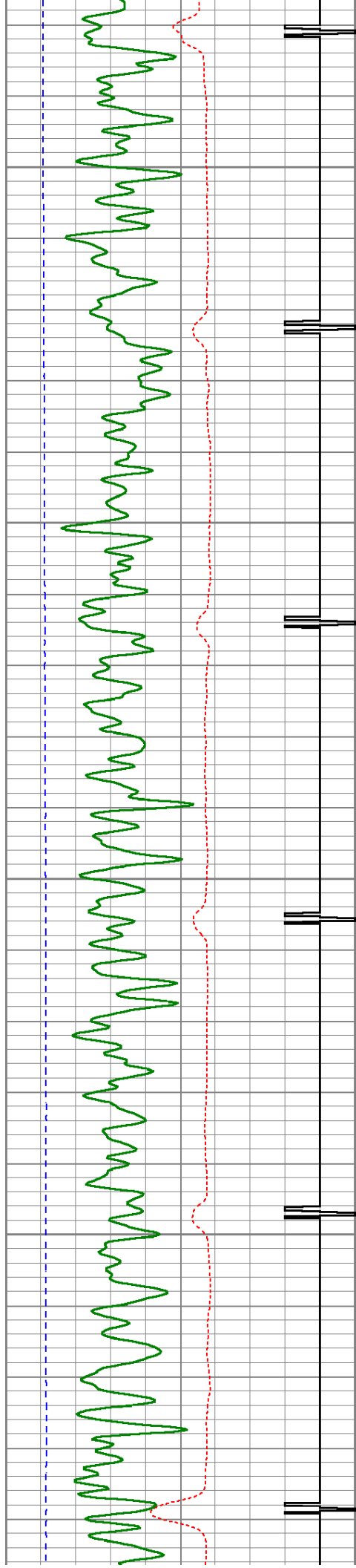
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Dataset Pathname: pass2  
Presentation Format: cblprobe  
Dataset Creation: Mon May 19 13:50:02 2014 by Log 0  
Charted by: Depth in Feet scaled 1:240

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



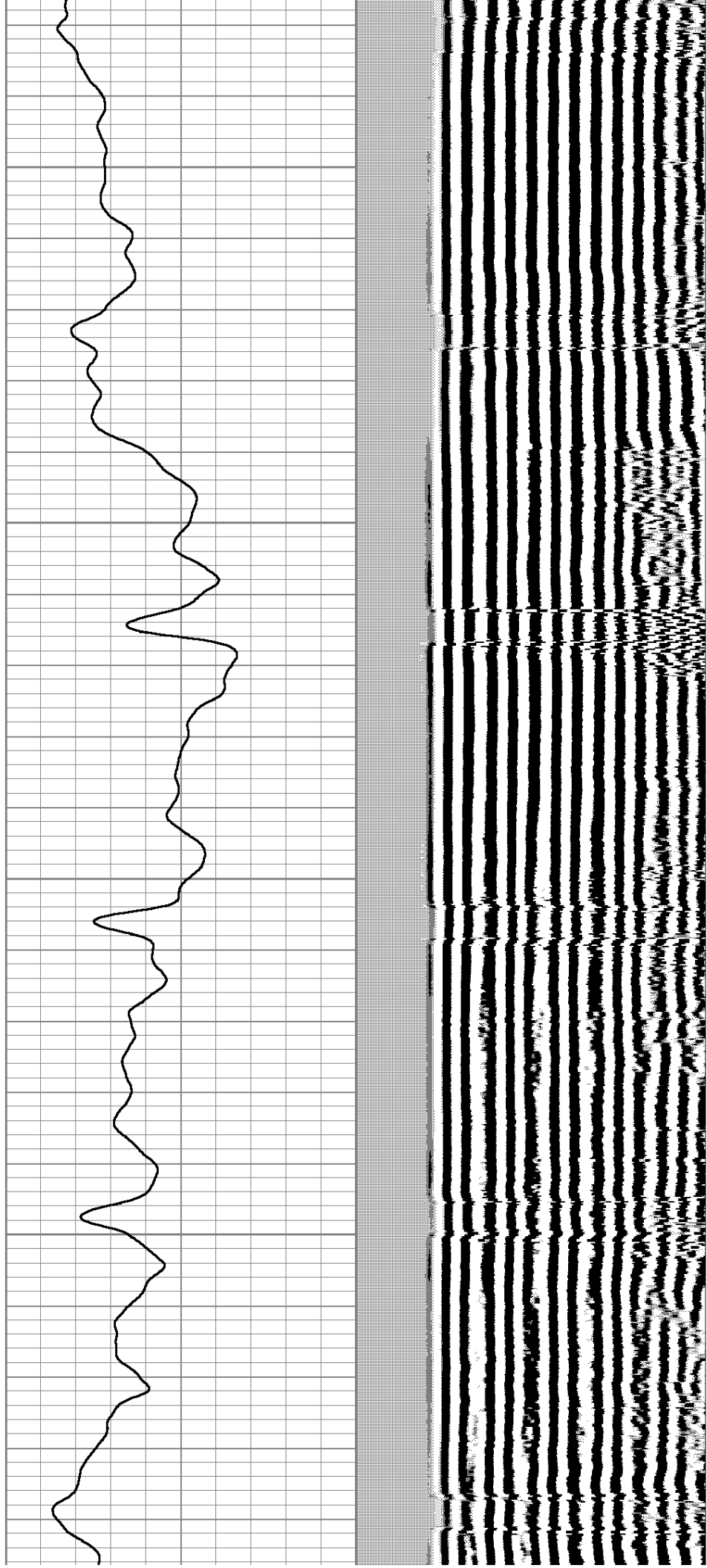


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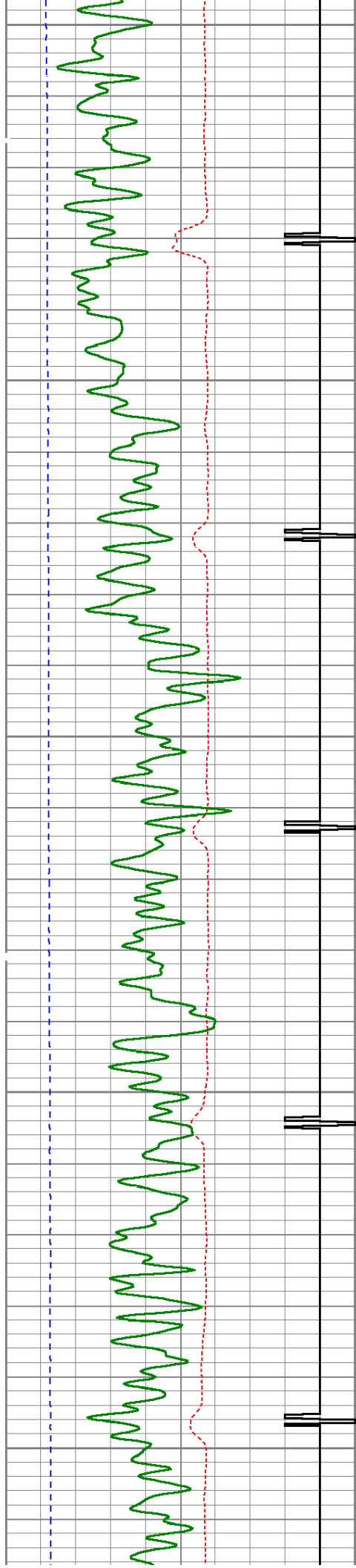
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300

350







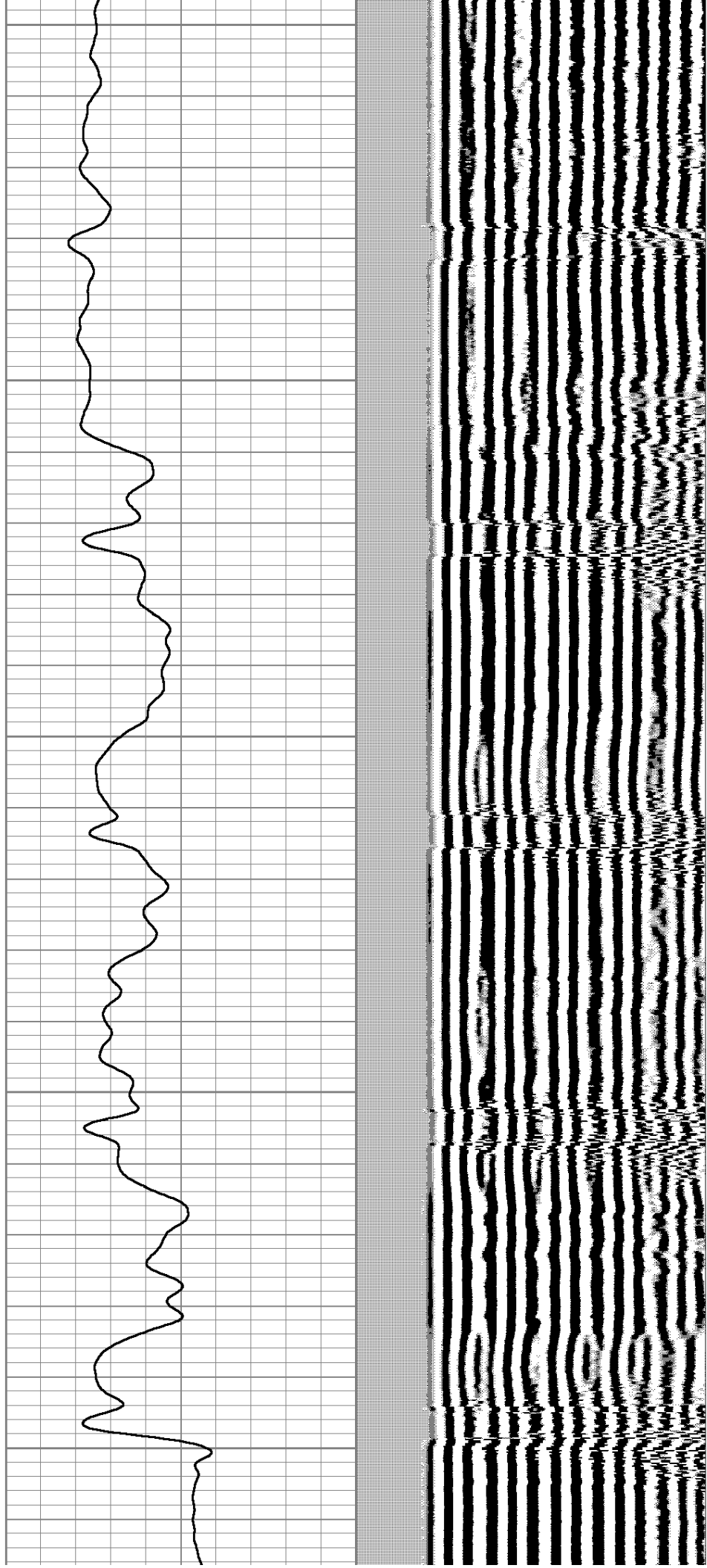
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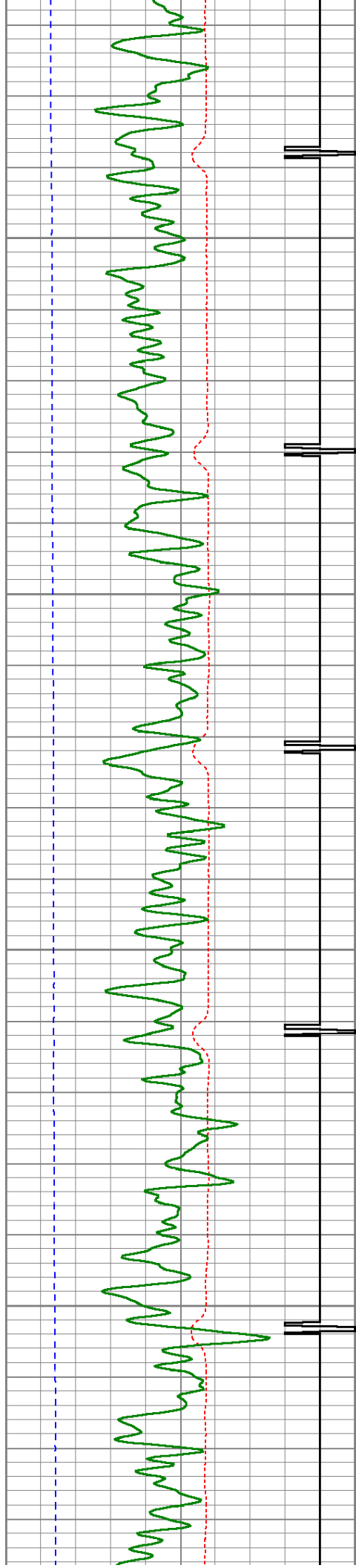
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500

550

600



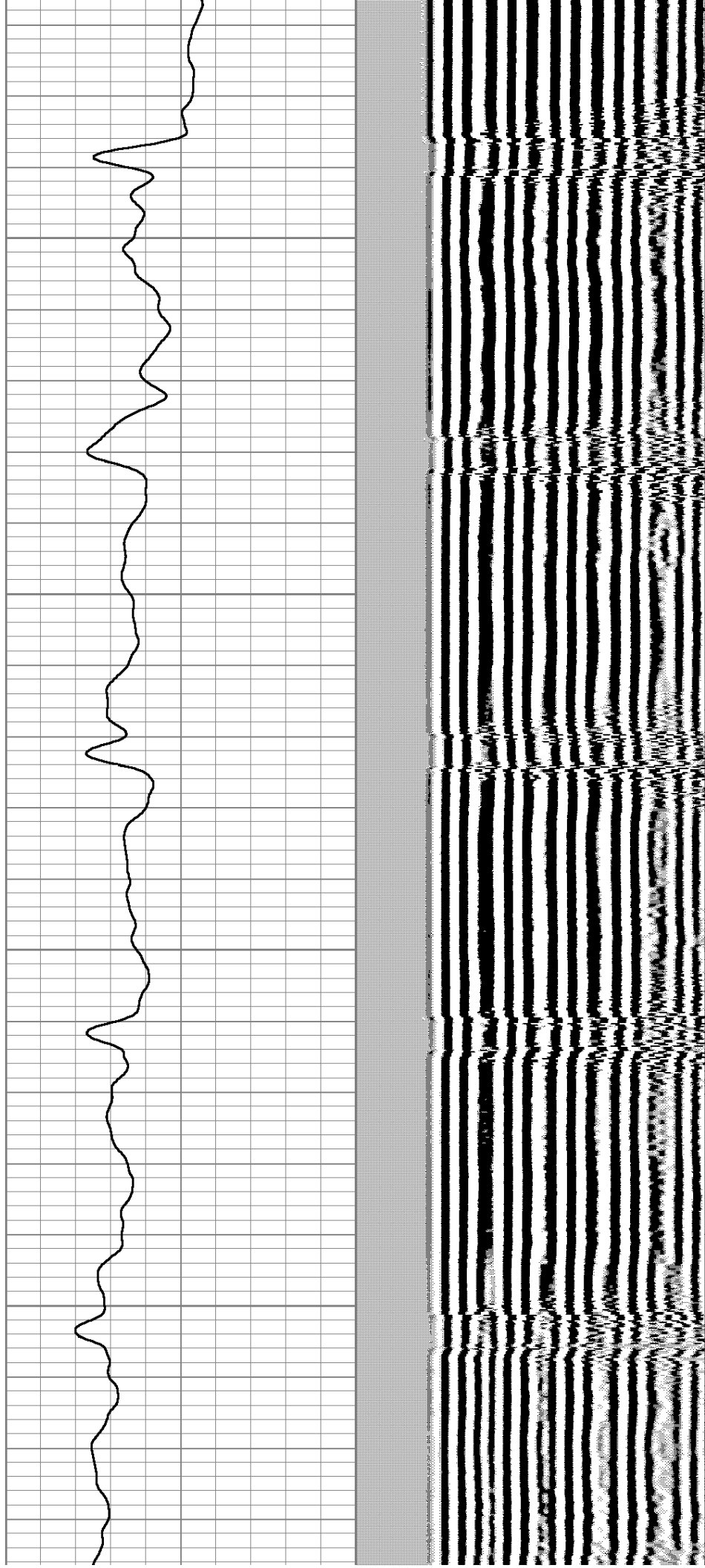


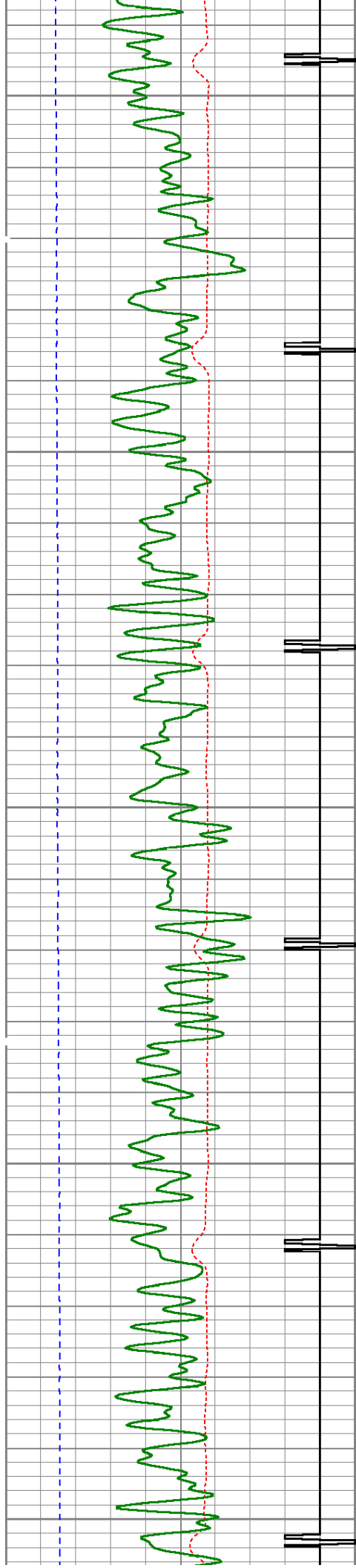
650

700

750

800





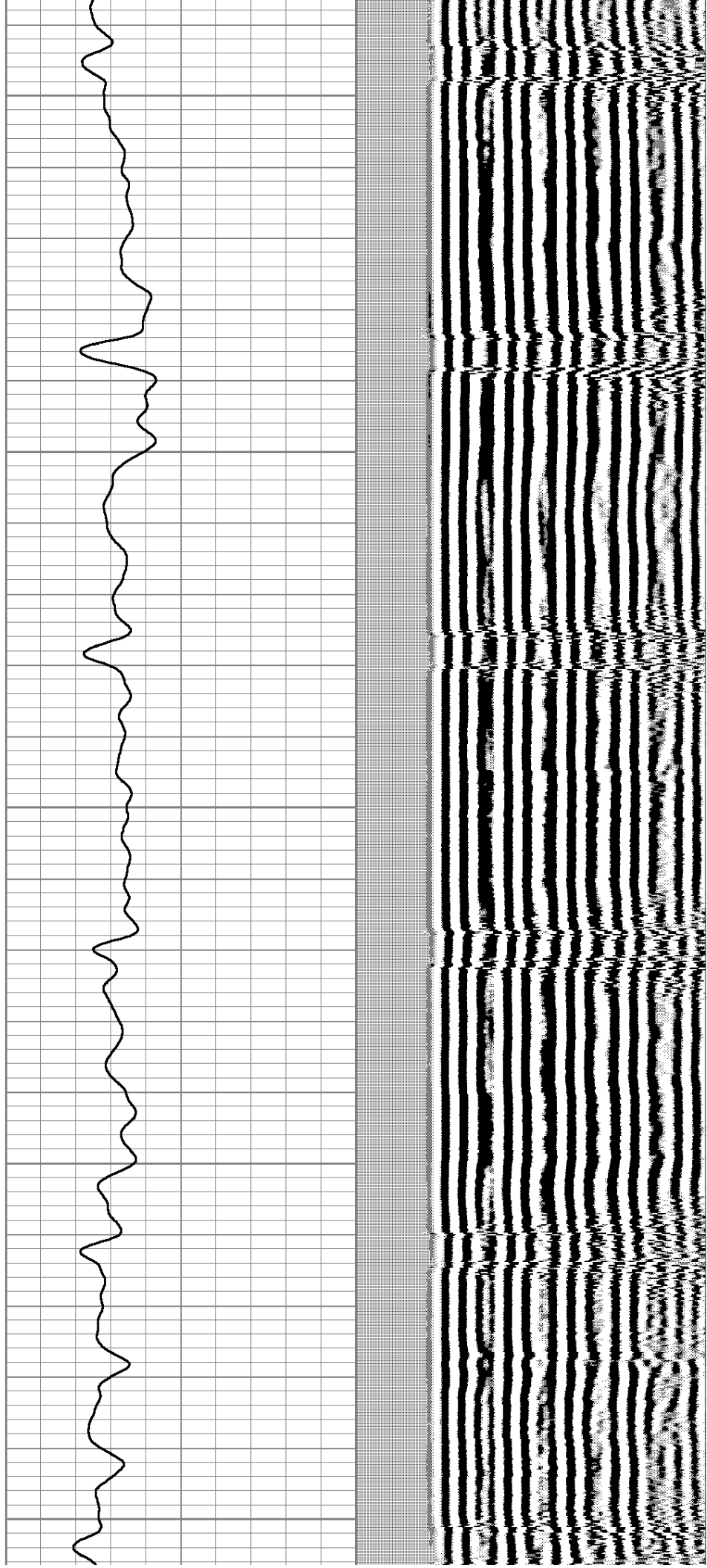
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900

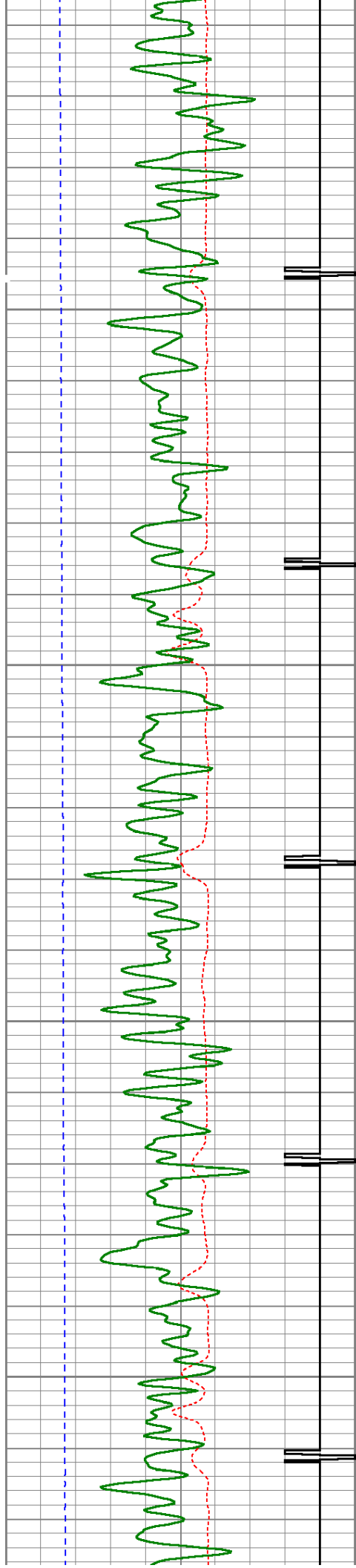
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1000

1050





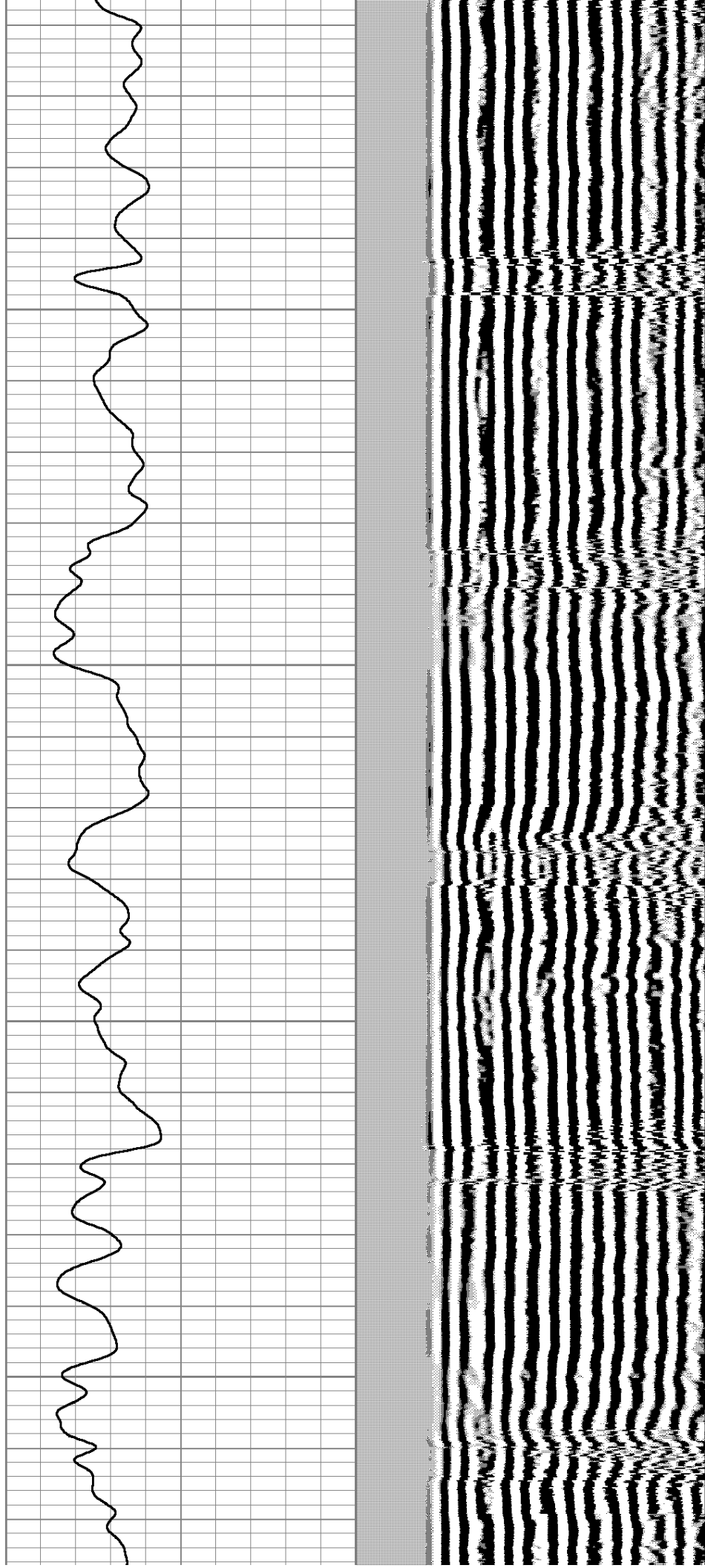


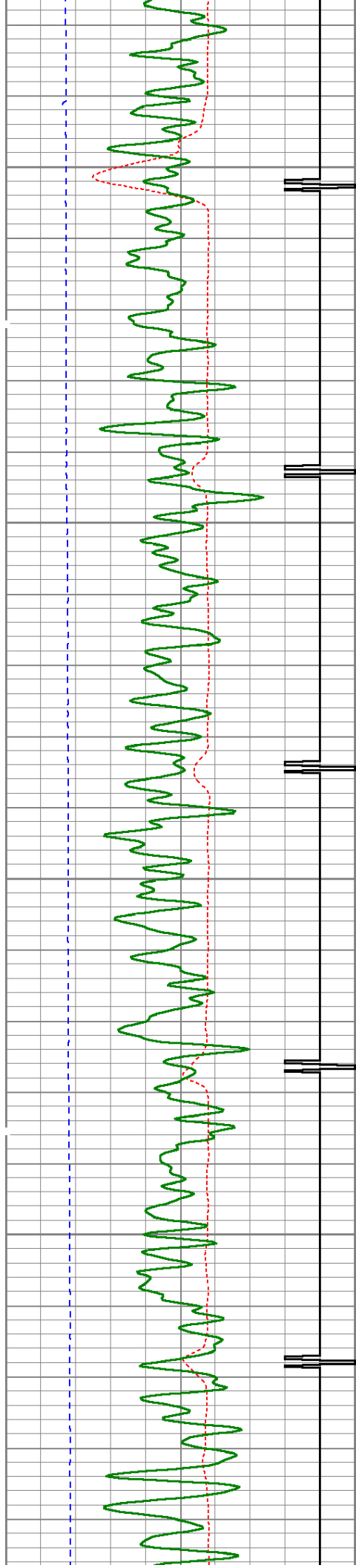
1100

1150

1200

1250



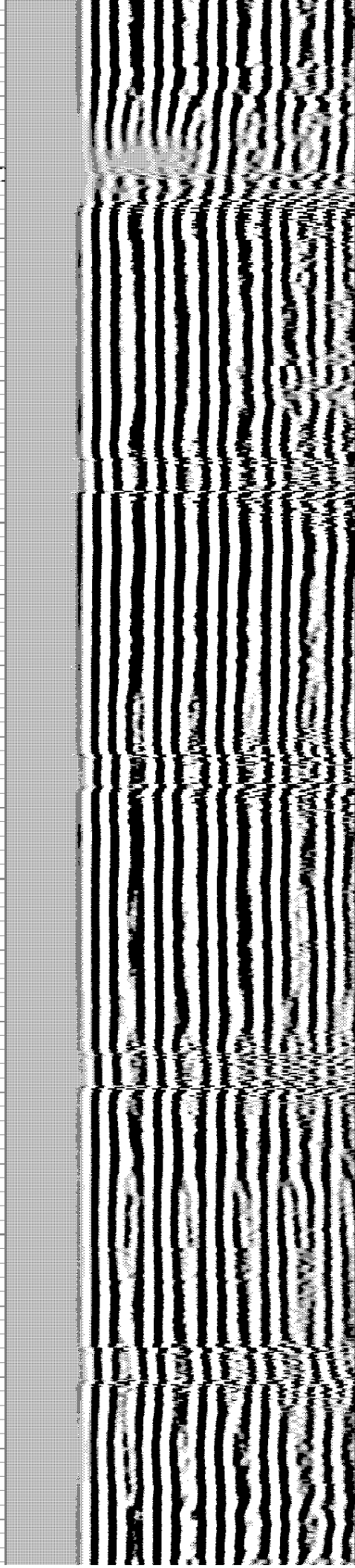
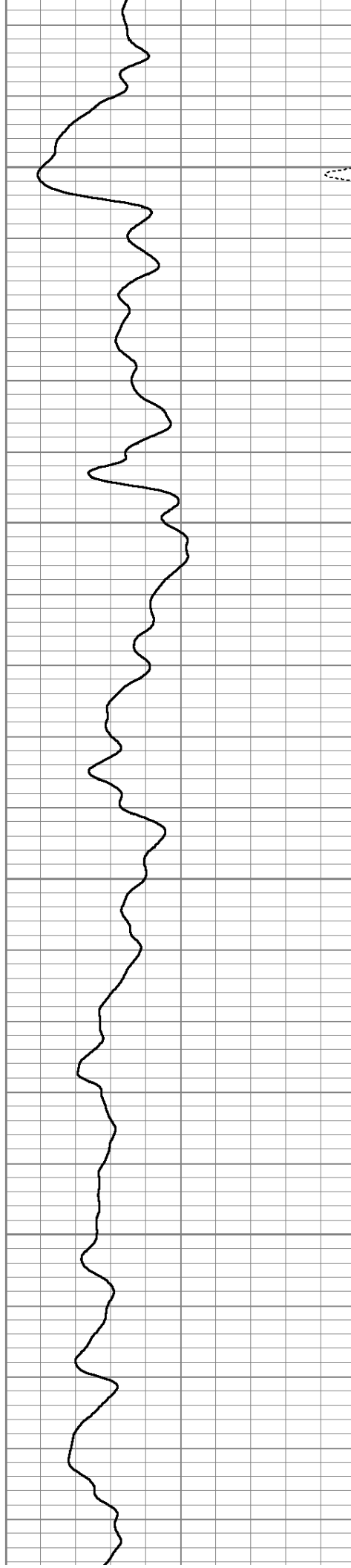


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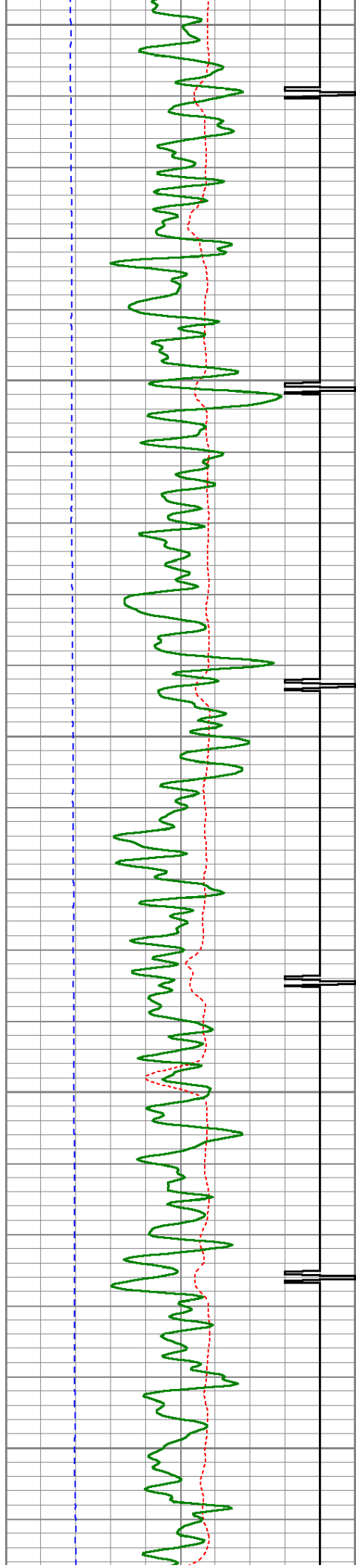
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1400

1450







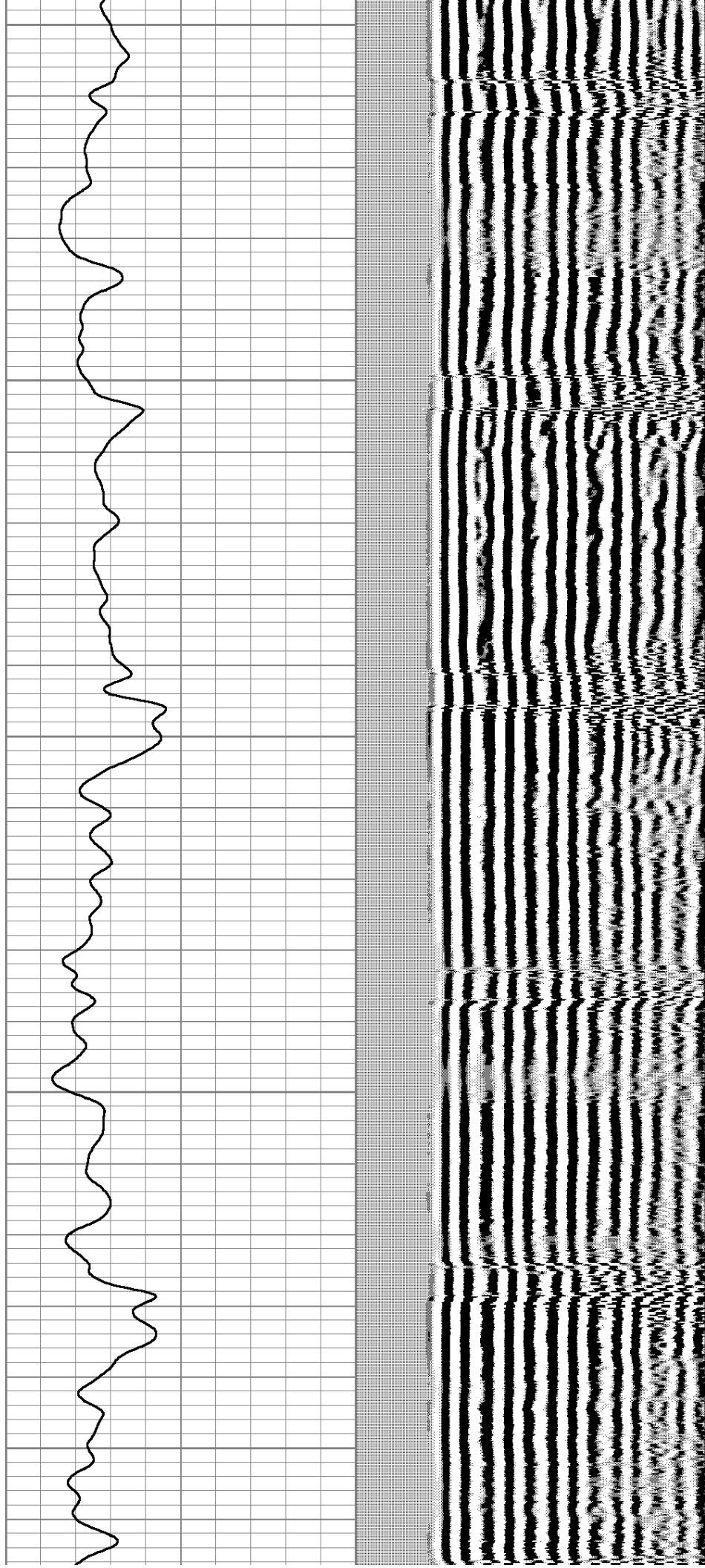
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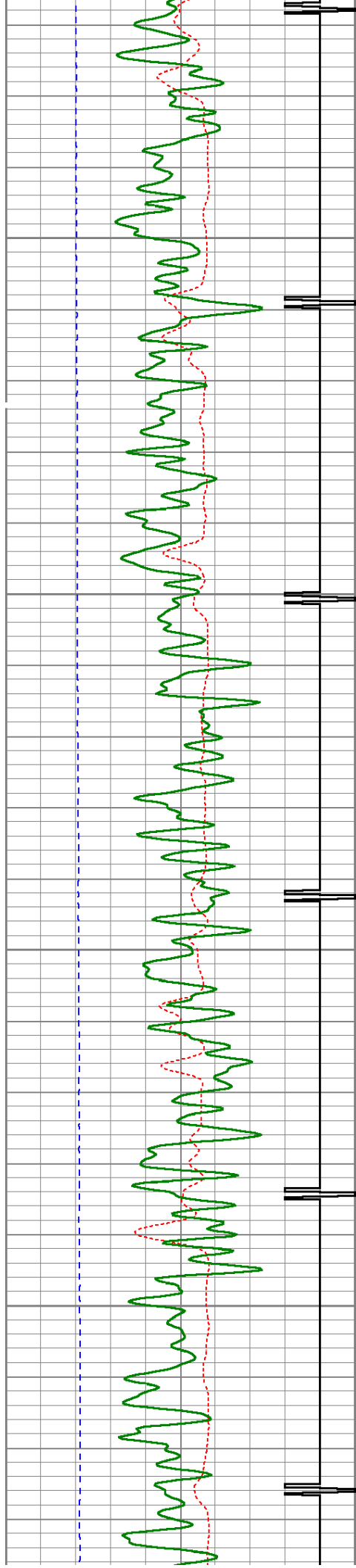
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1650

1700



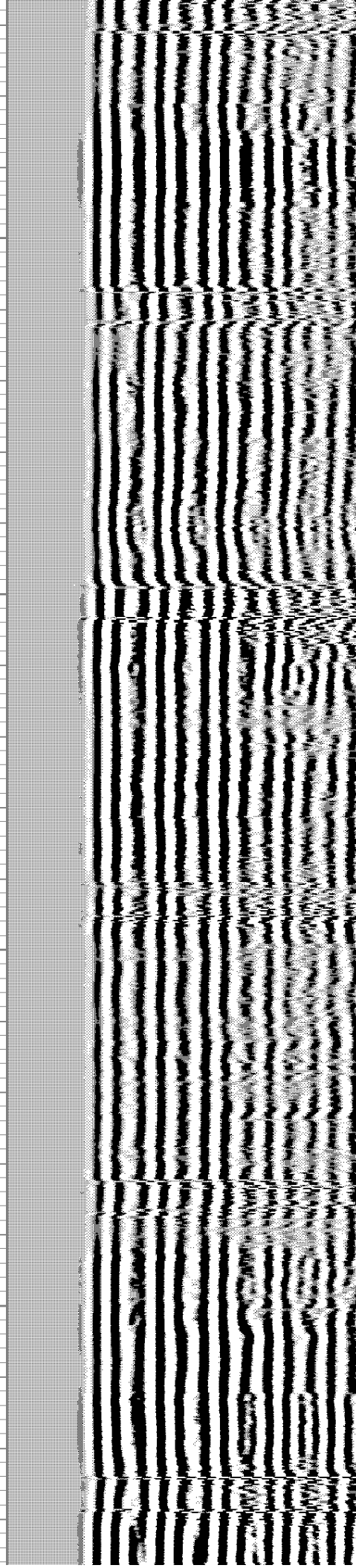
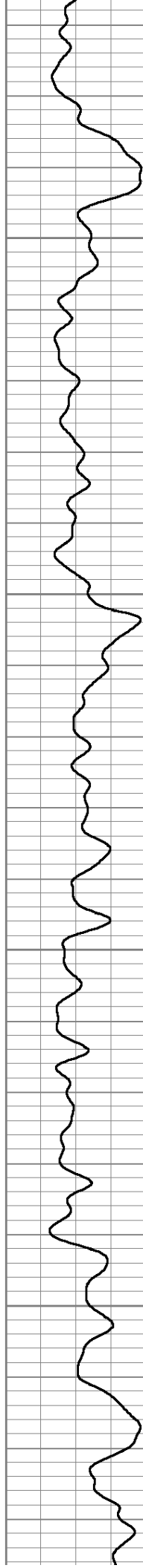


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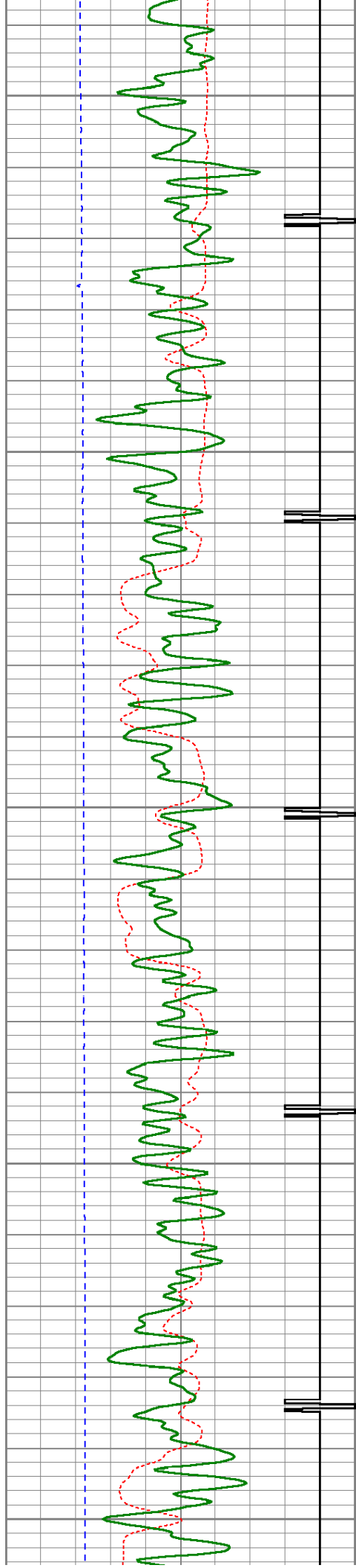
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1850

1900







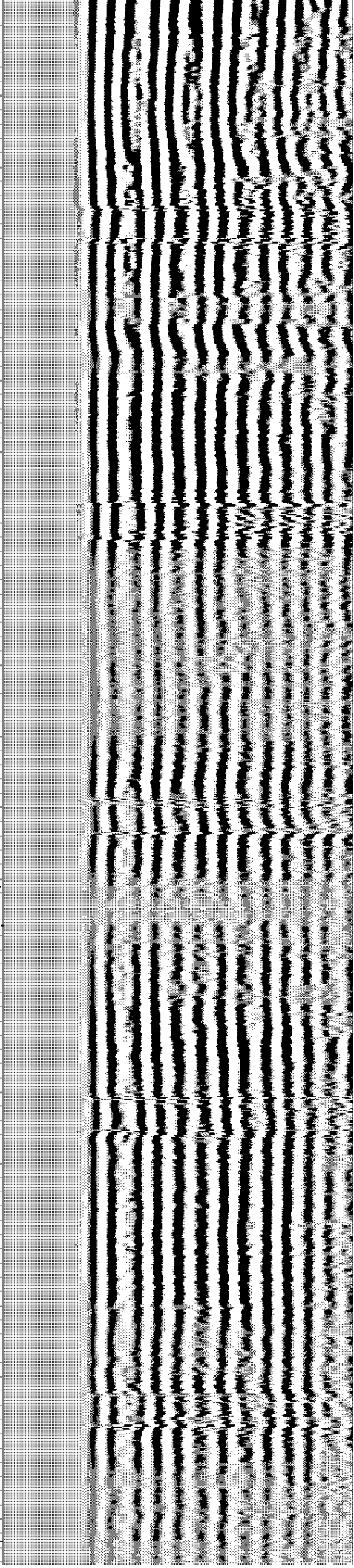
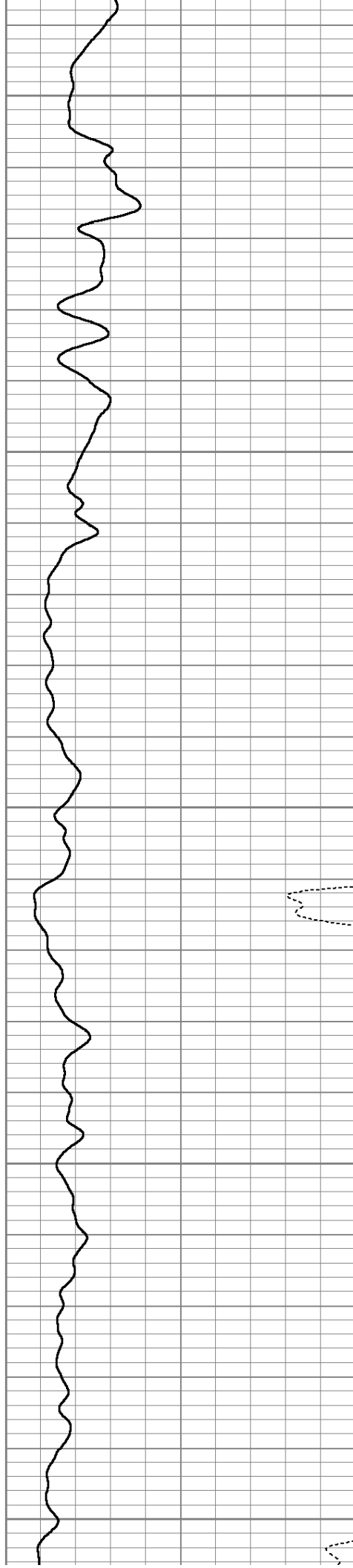
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2000

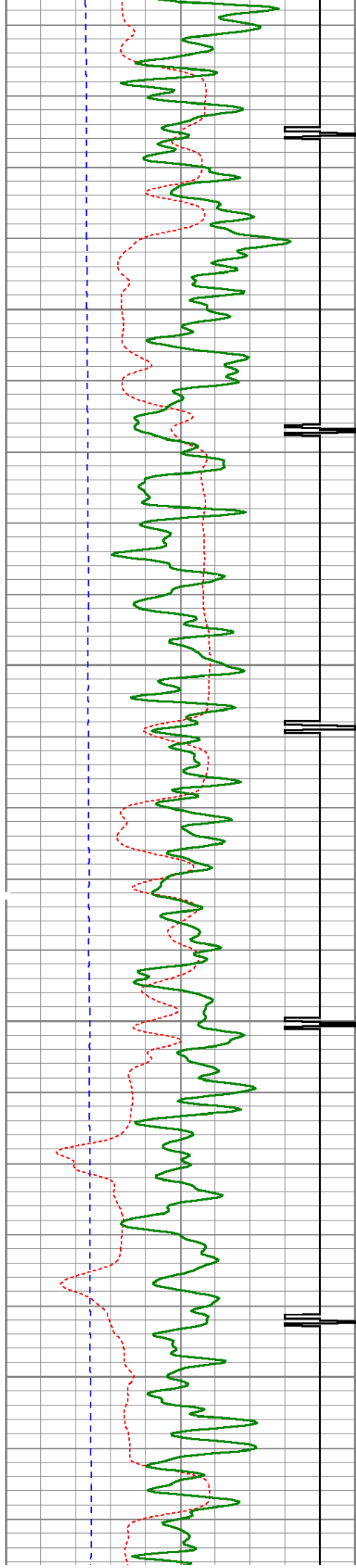
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2100

2150





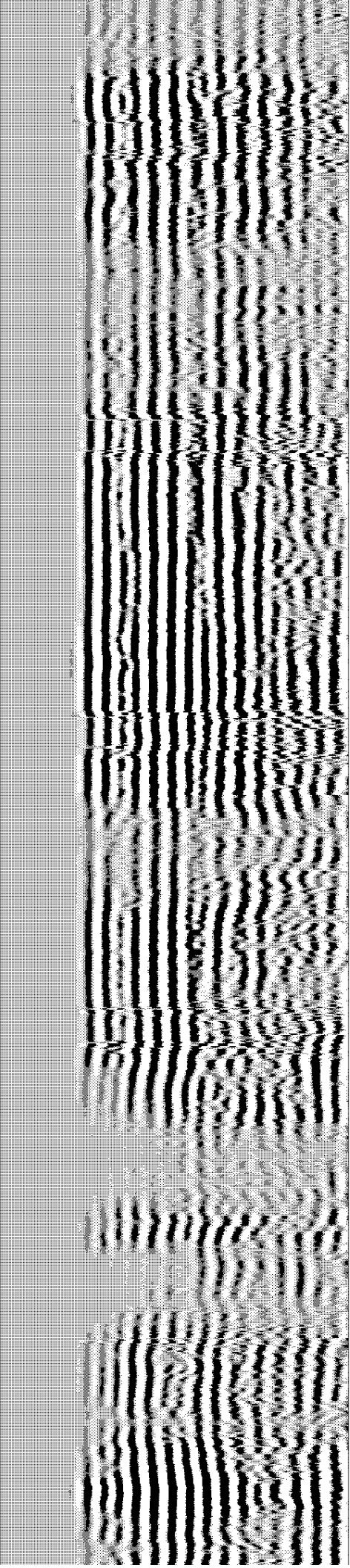
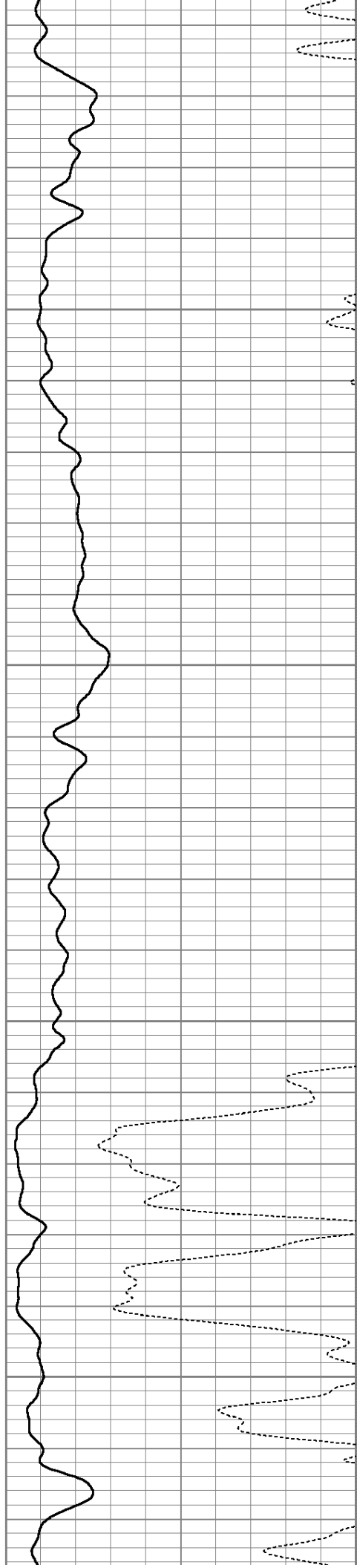


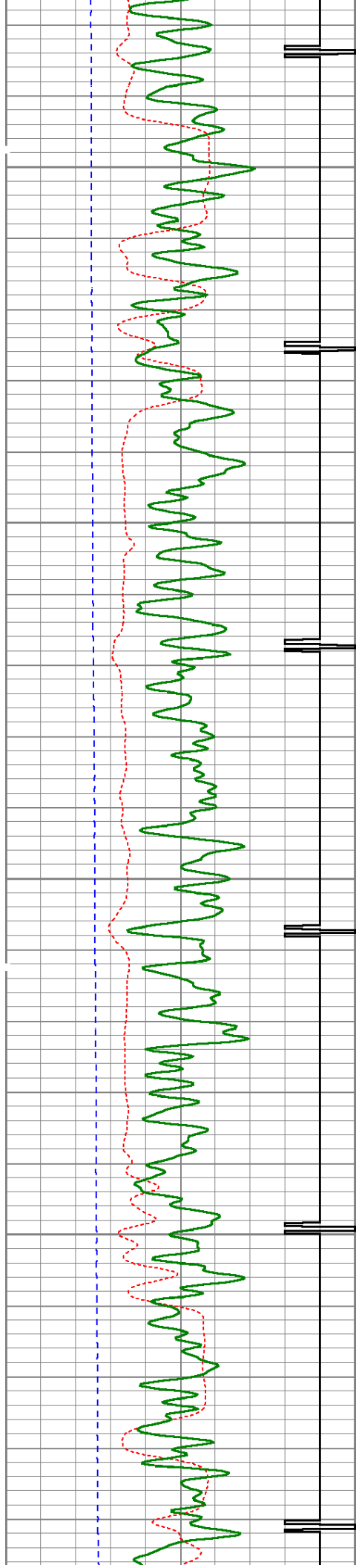
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2250

2300

2350



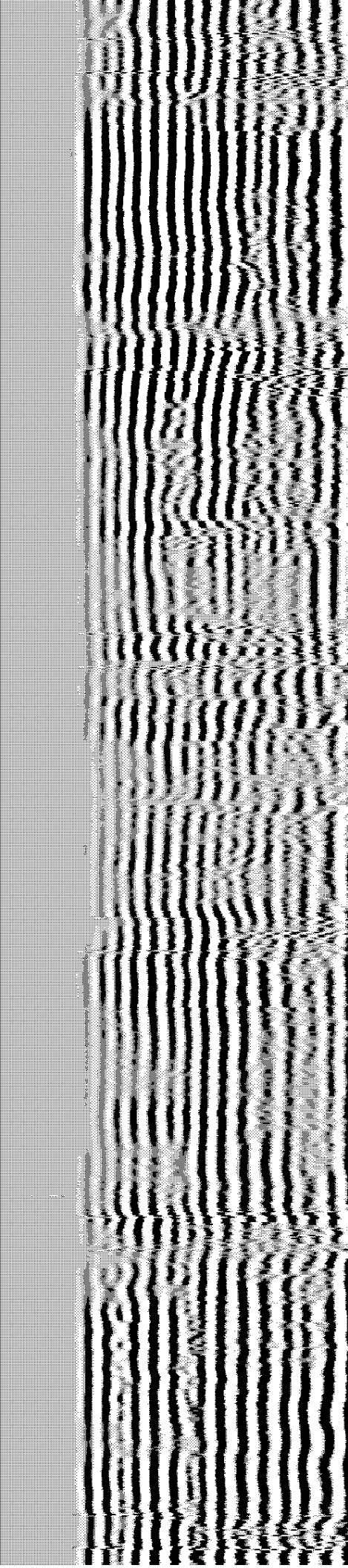
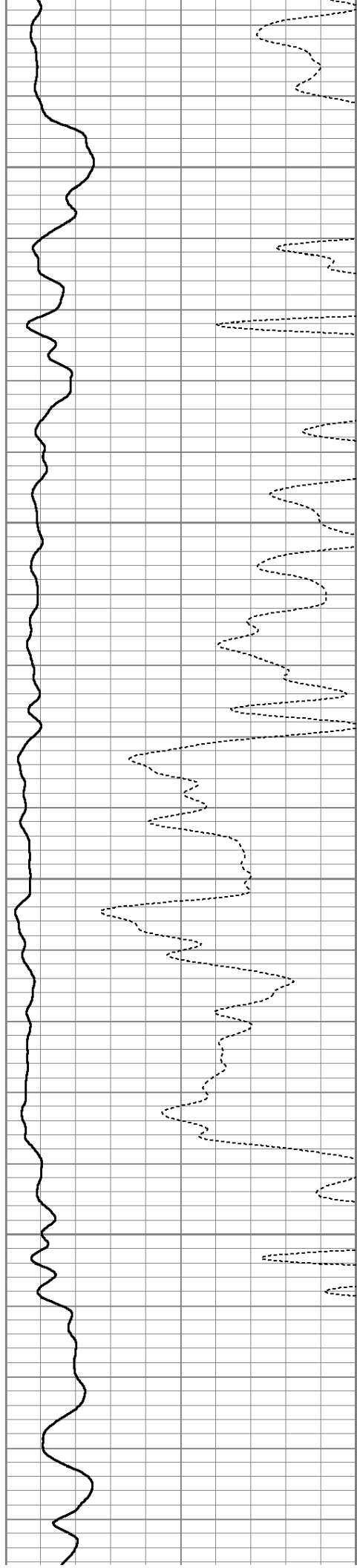


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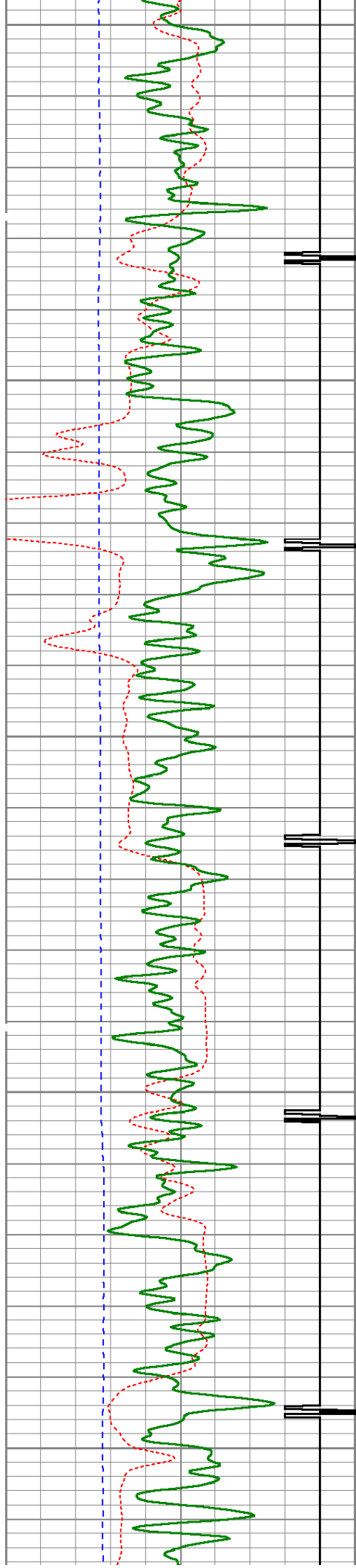
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2550







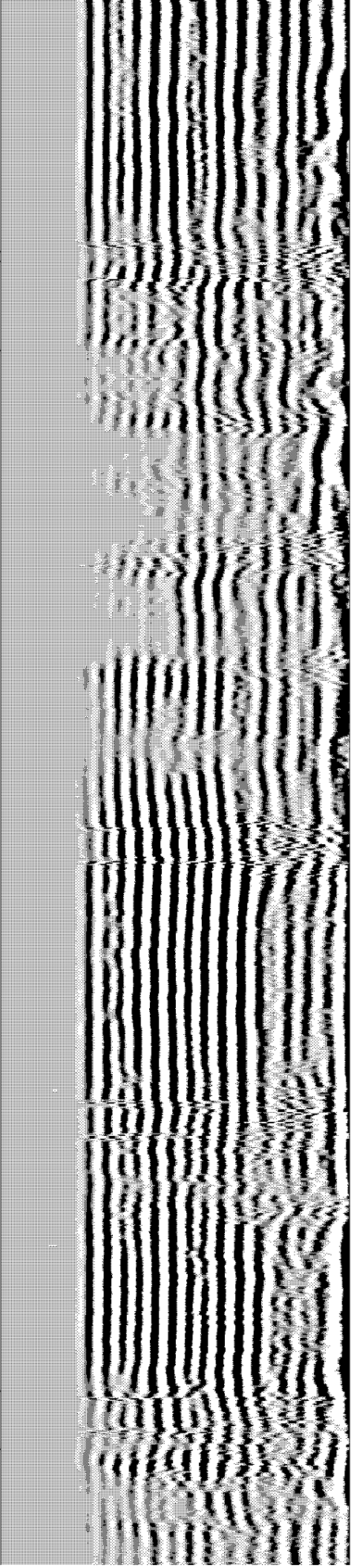
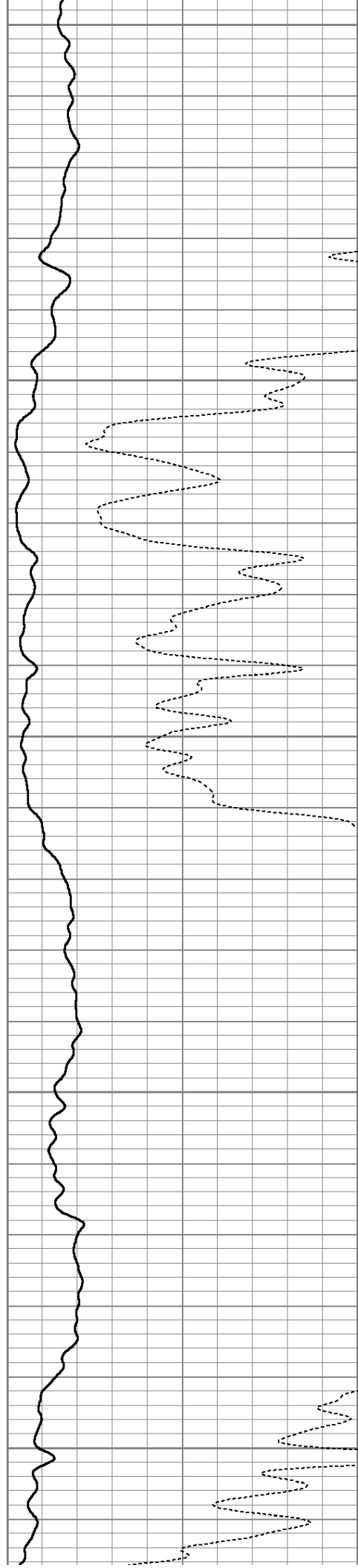
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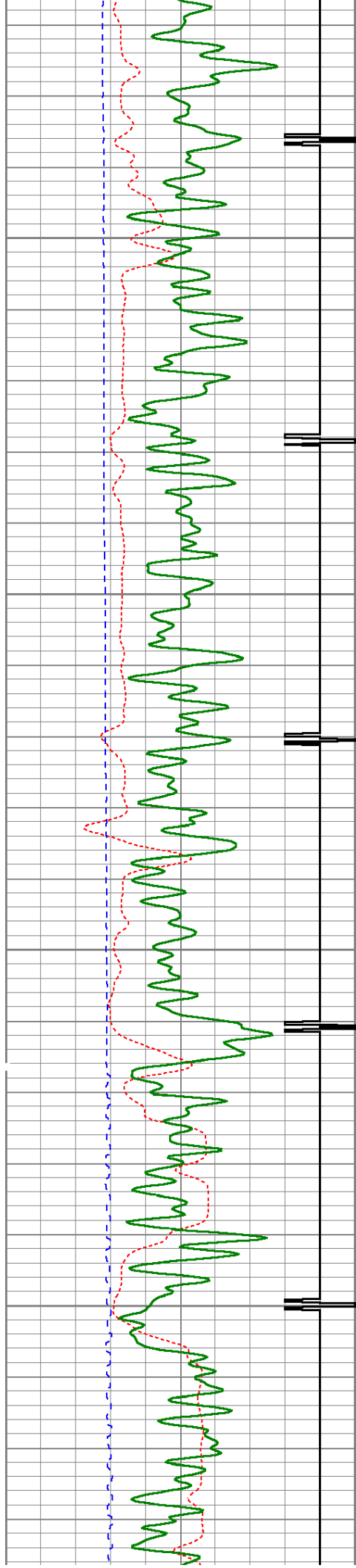
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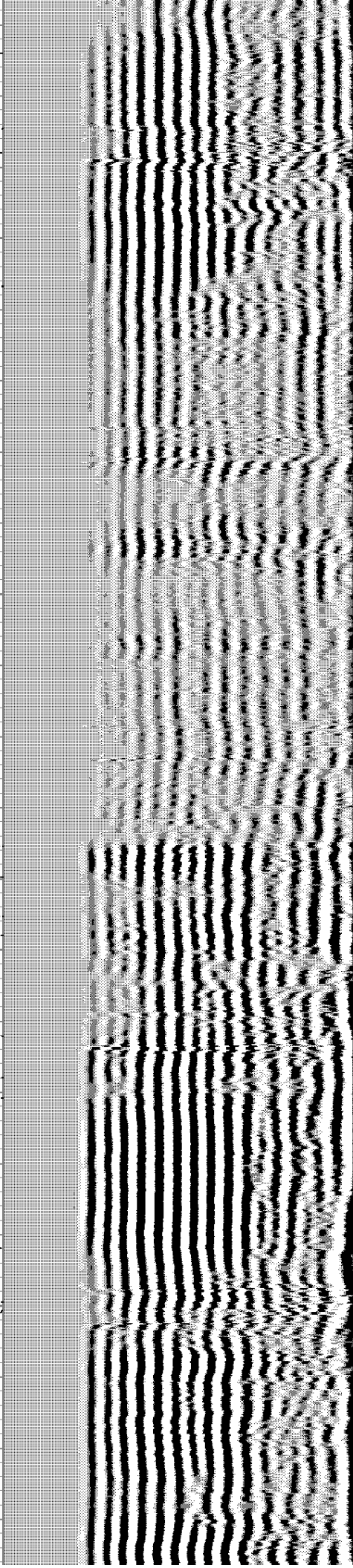
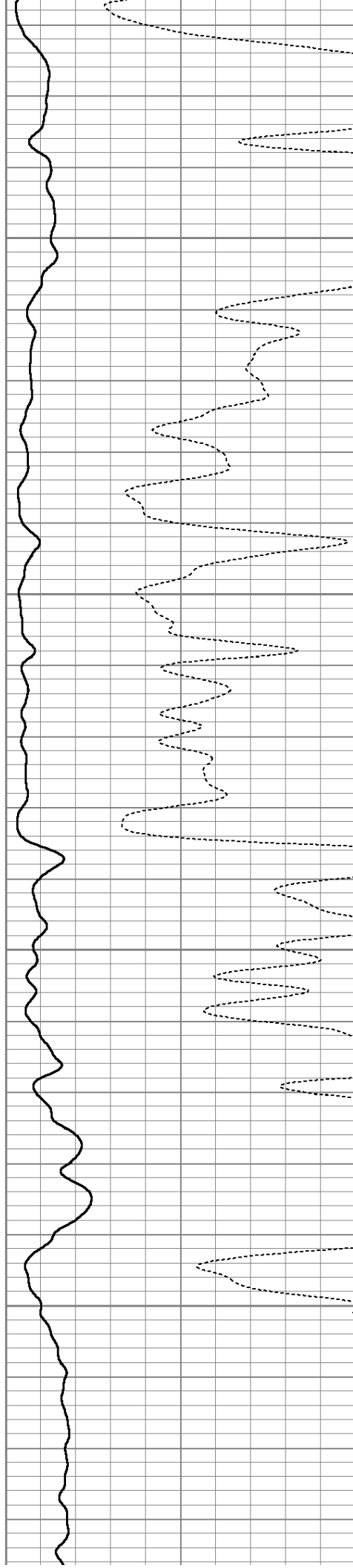


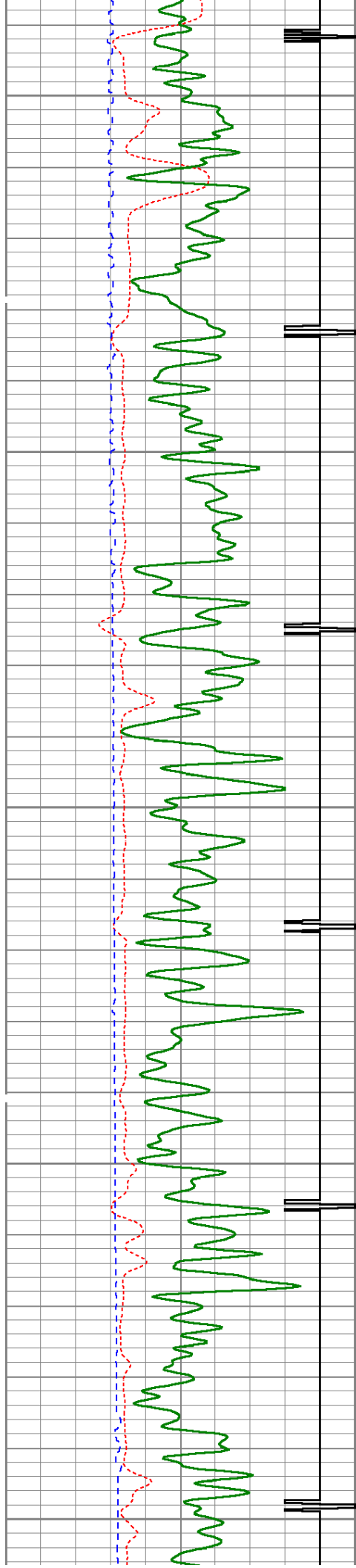
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2900

2950

3000





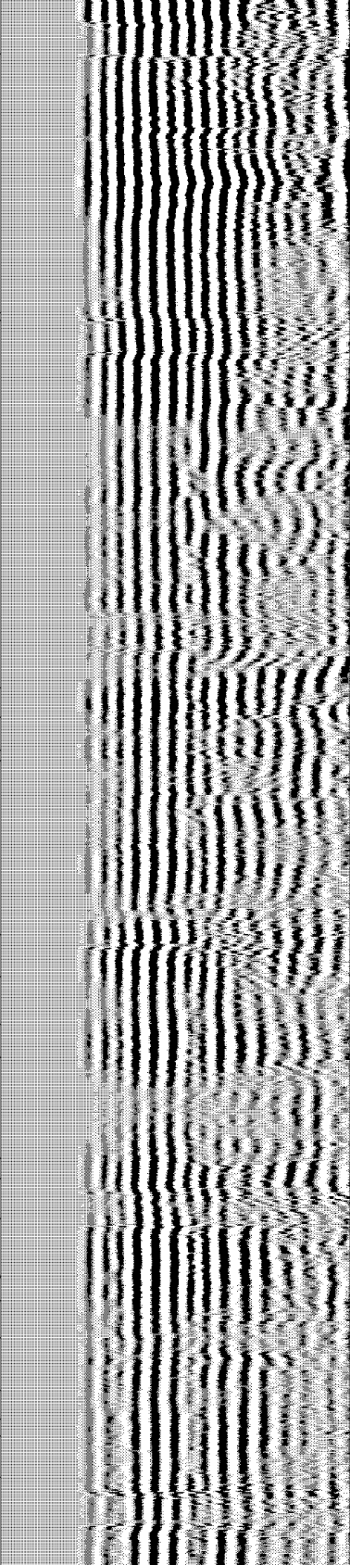
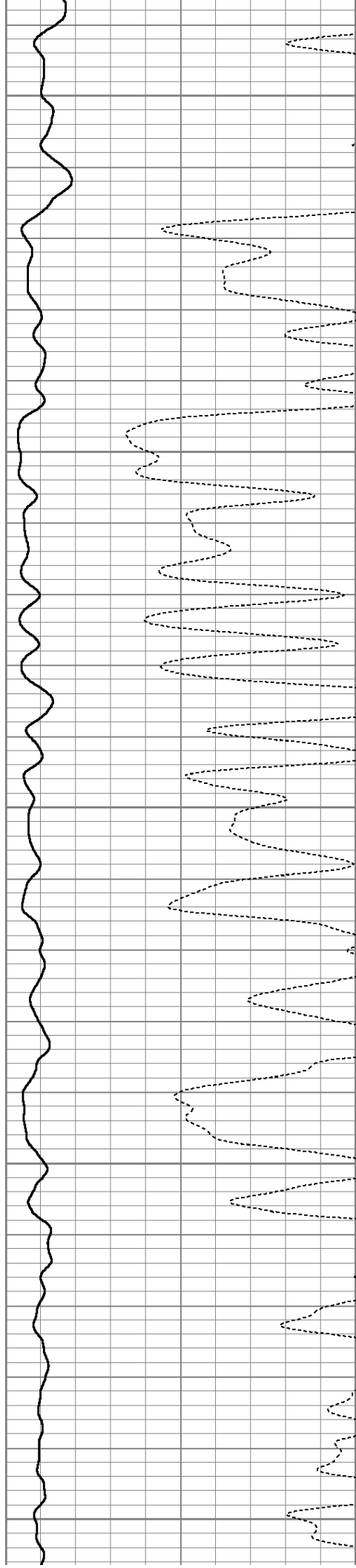
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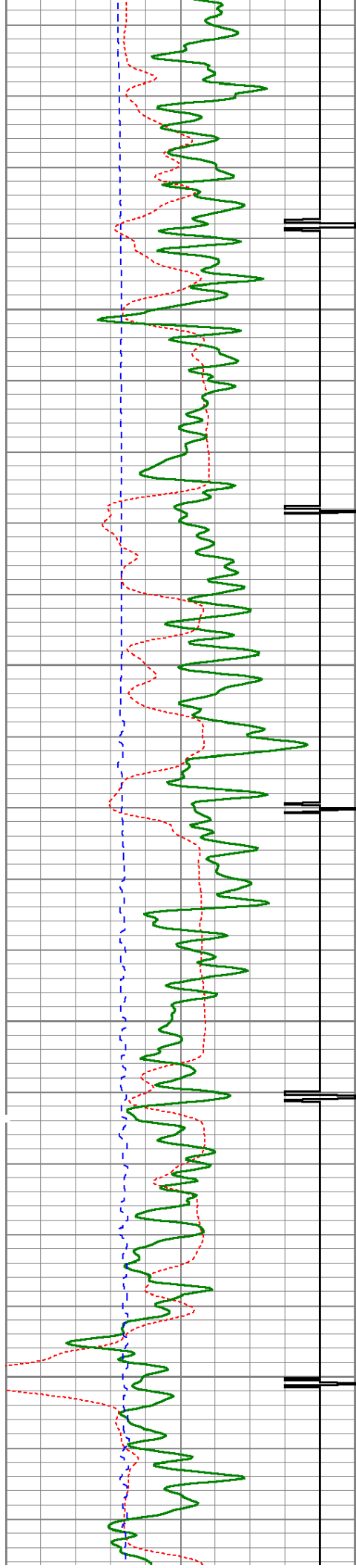
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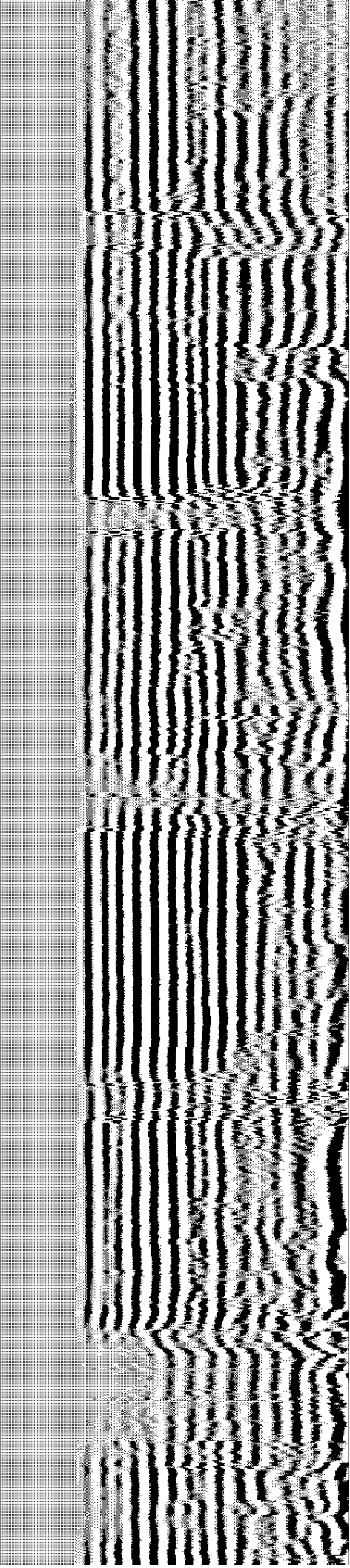
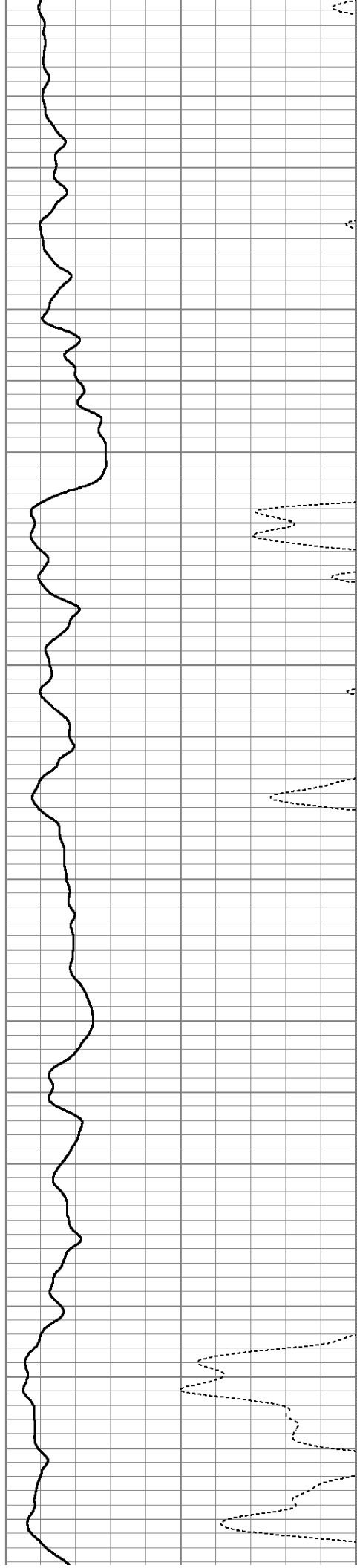


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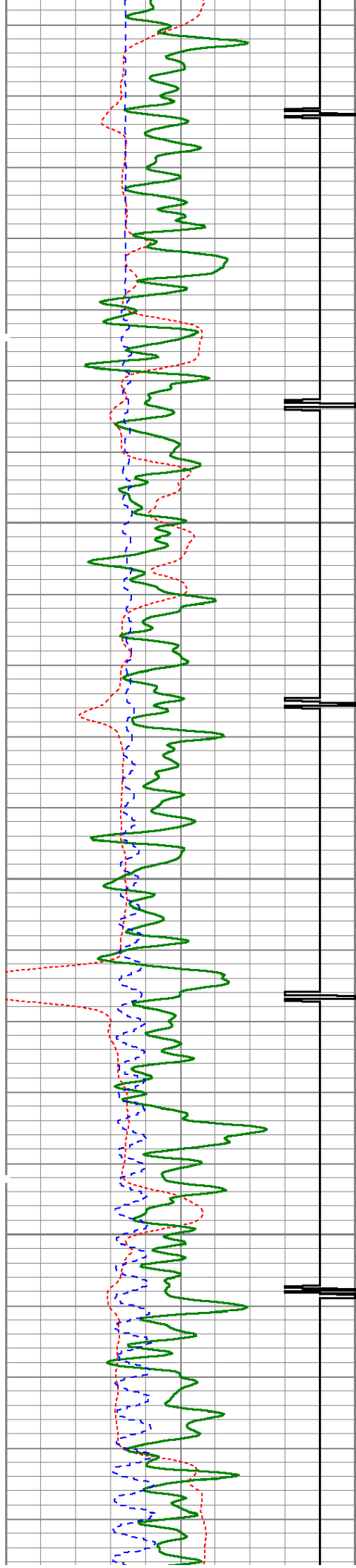
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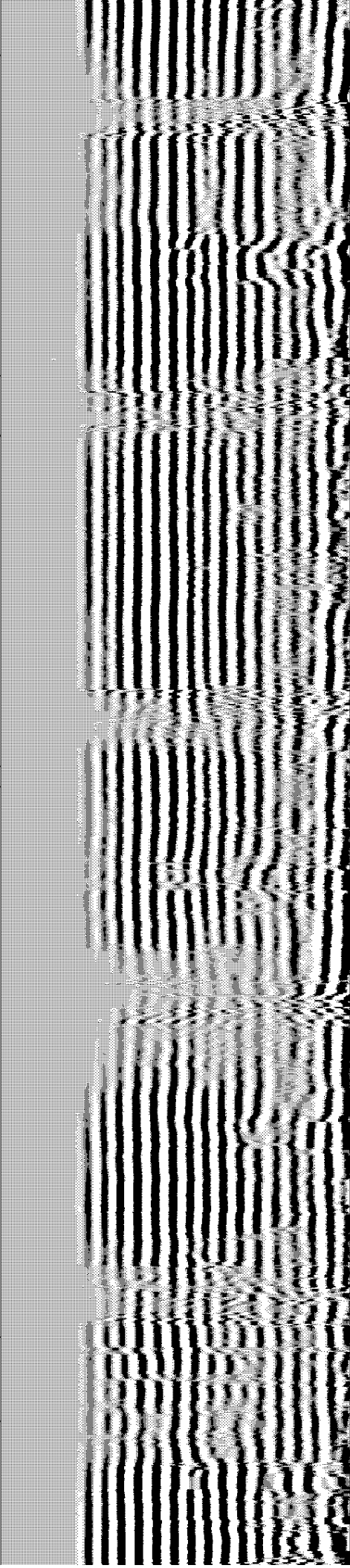
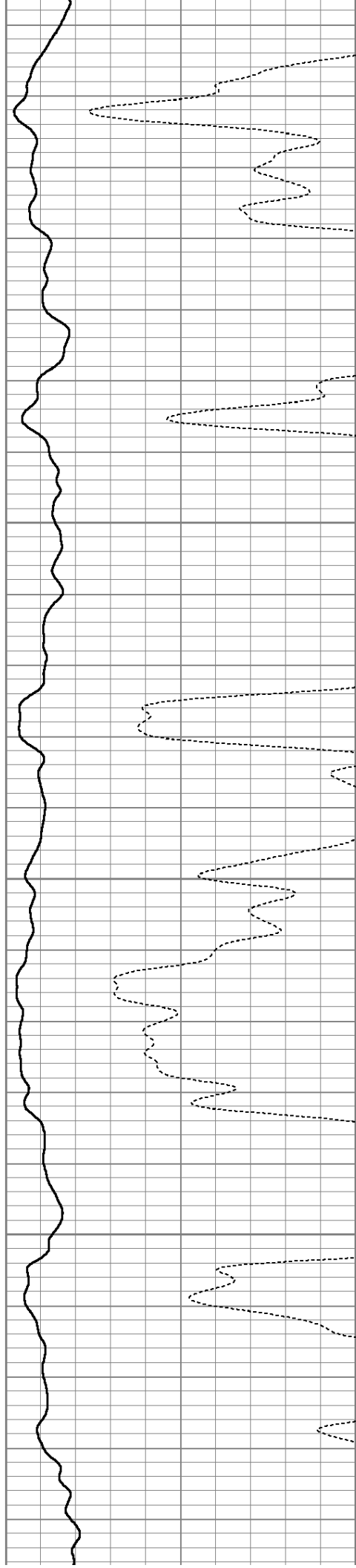


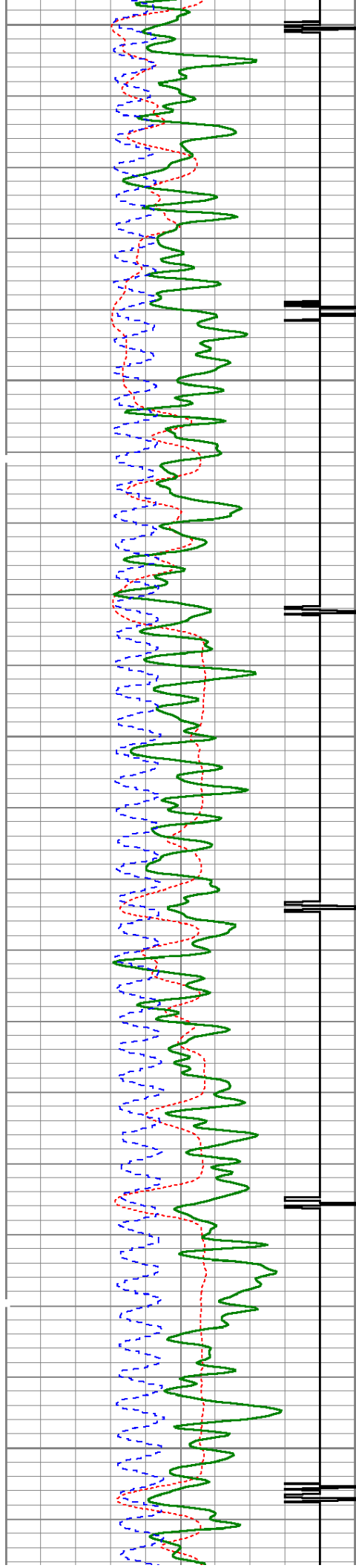
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3550

3600

3650





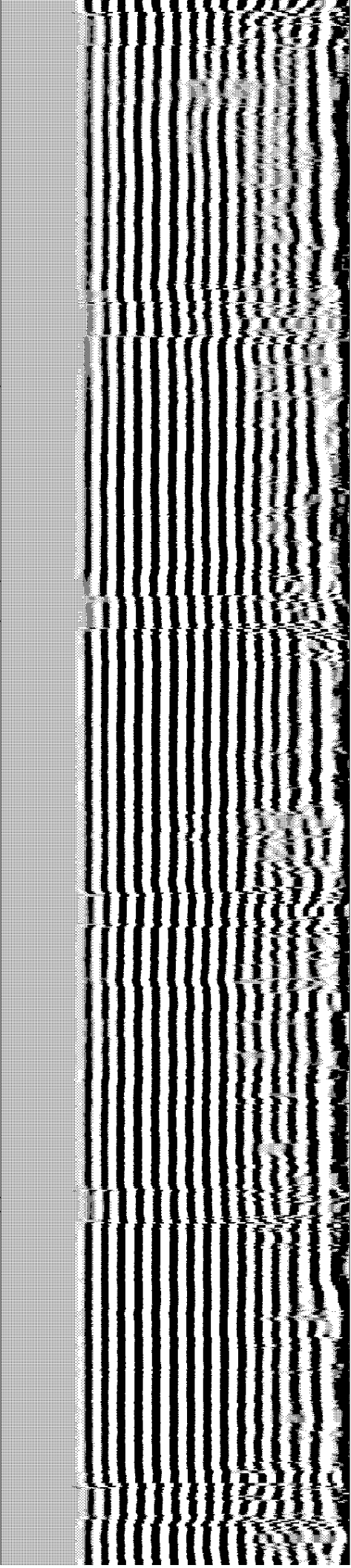
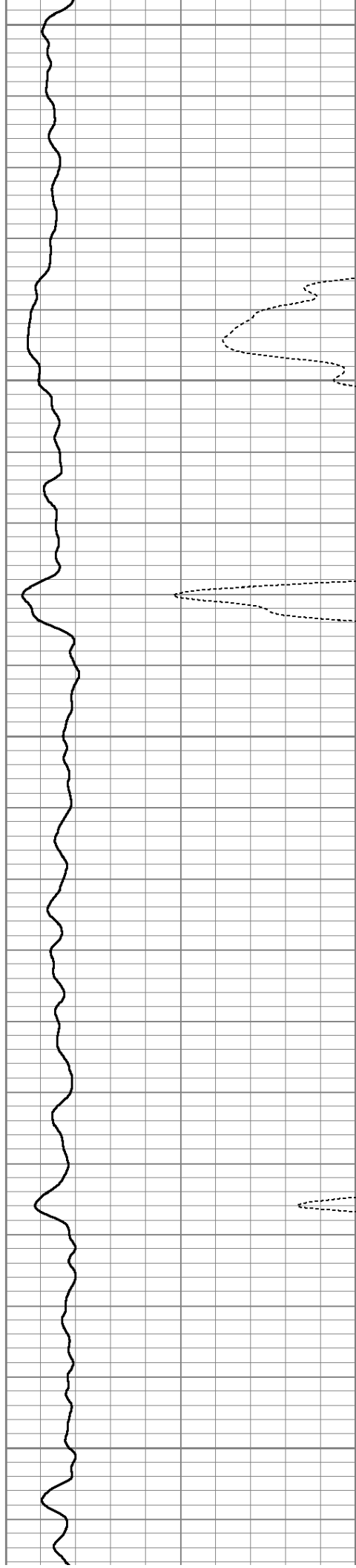
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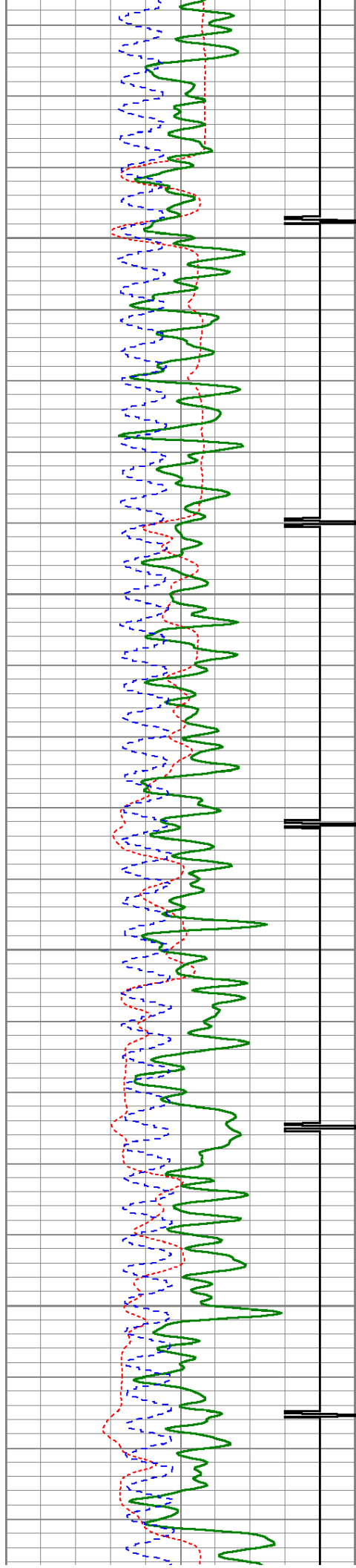
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3850

3900





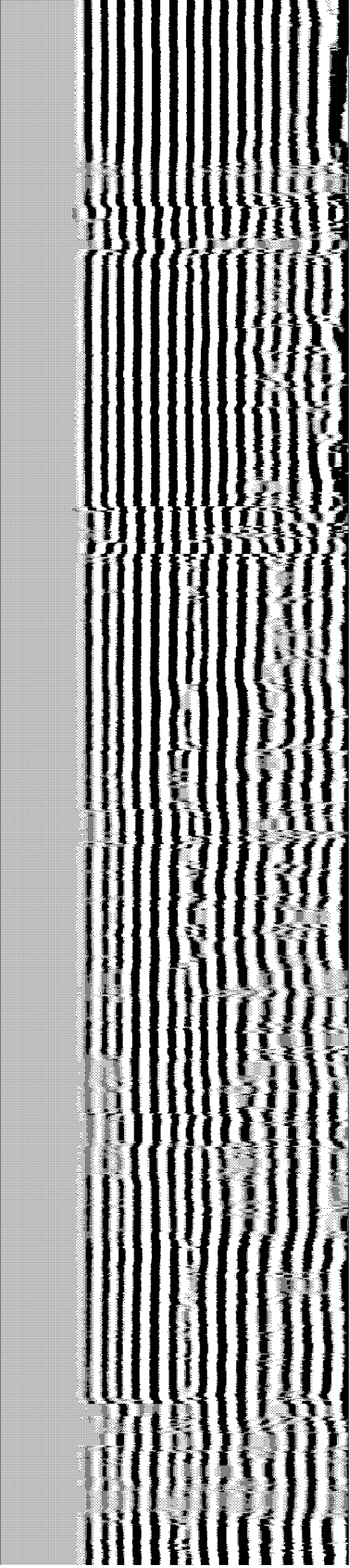
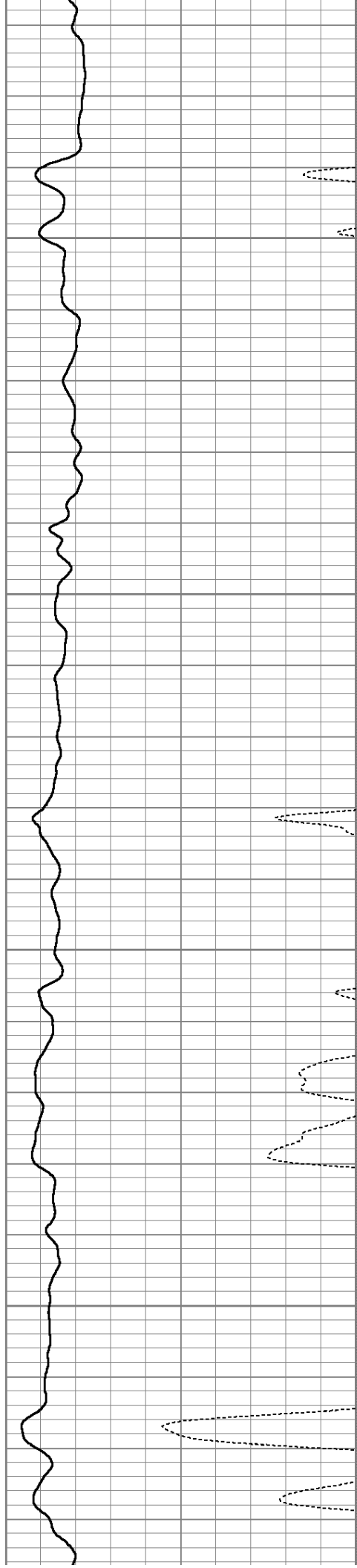


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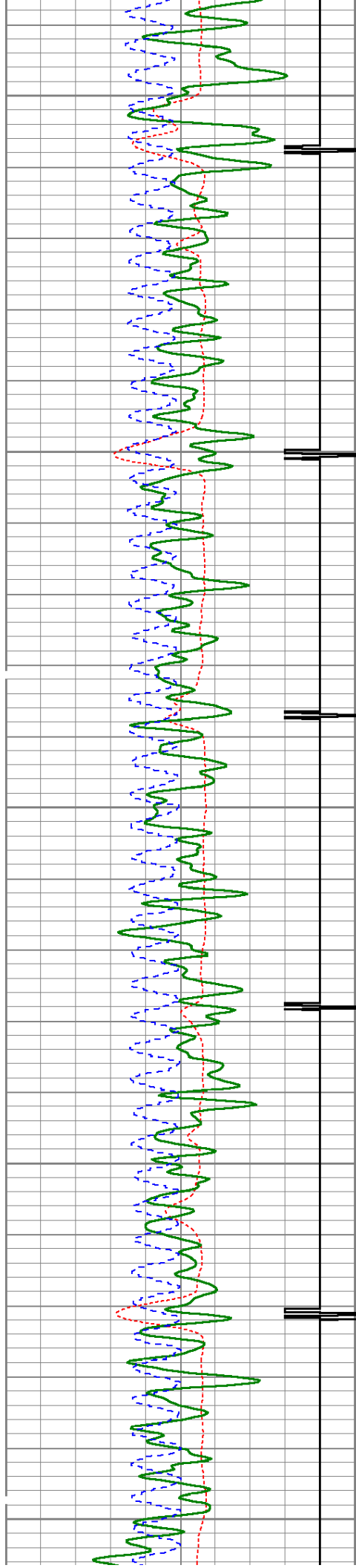
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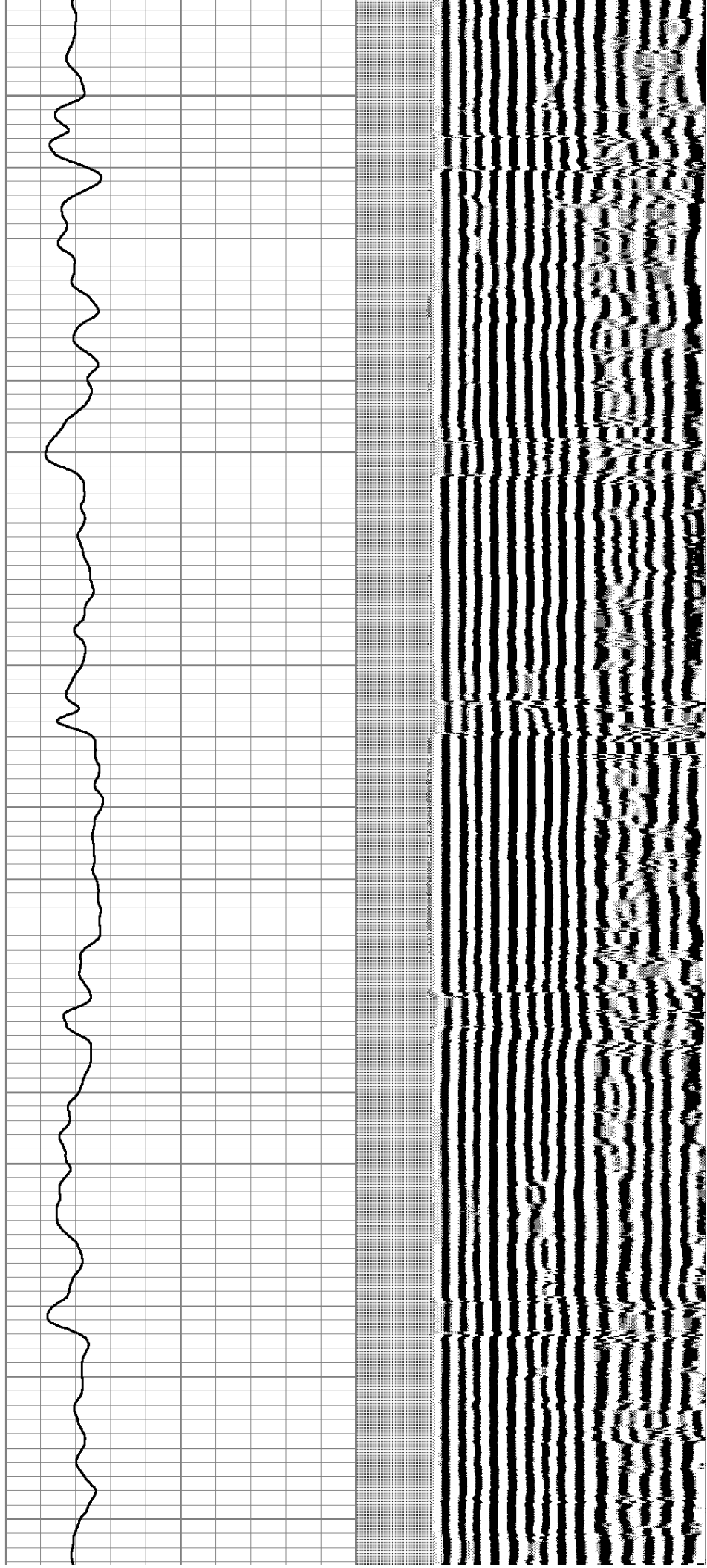
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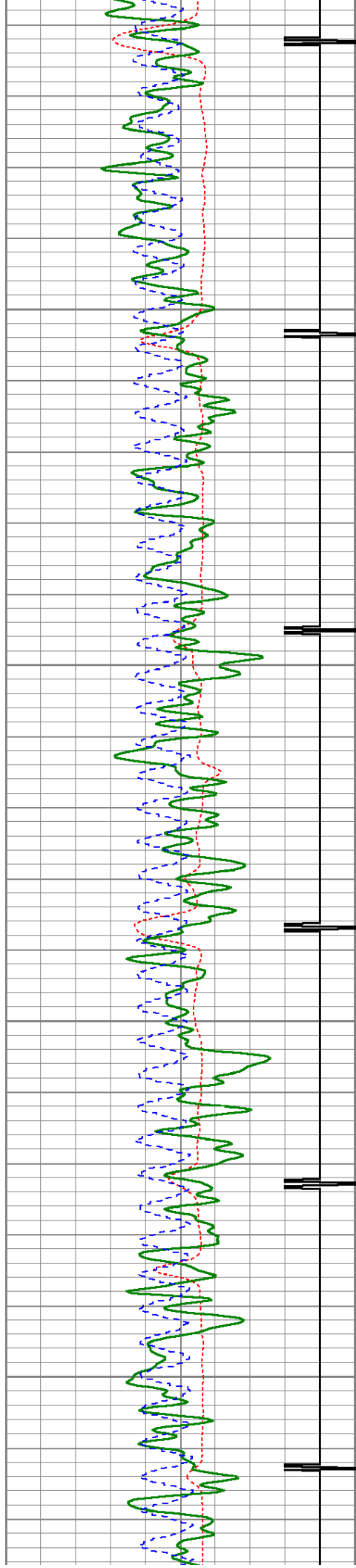
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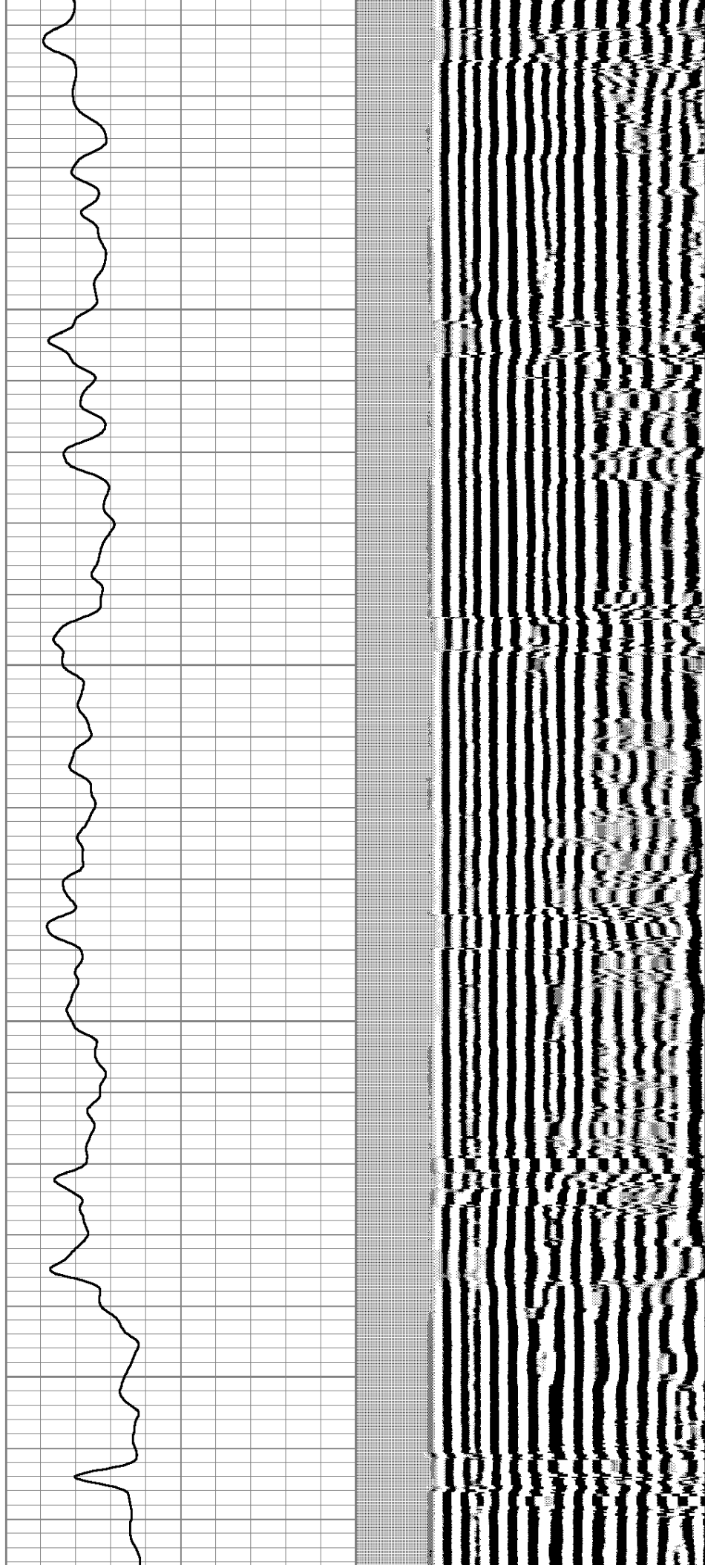


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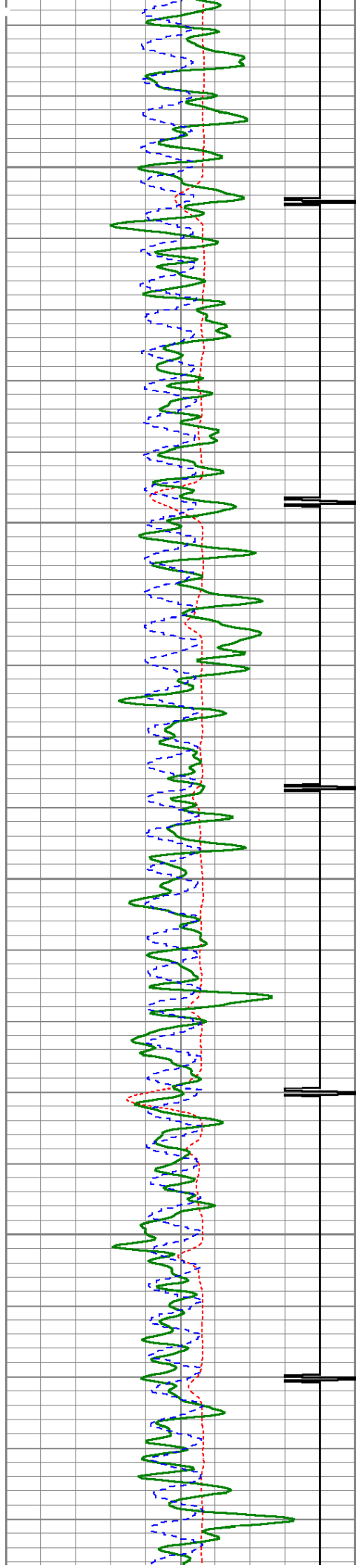
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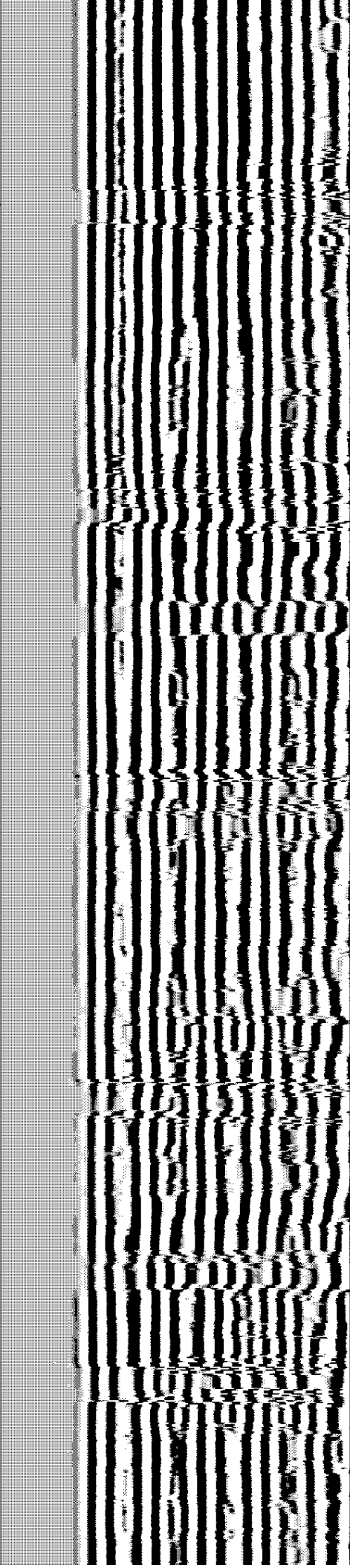
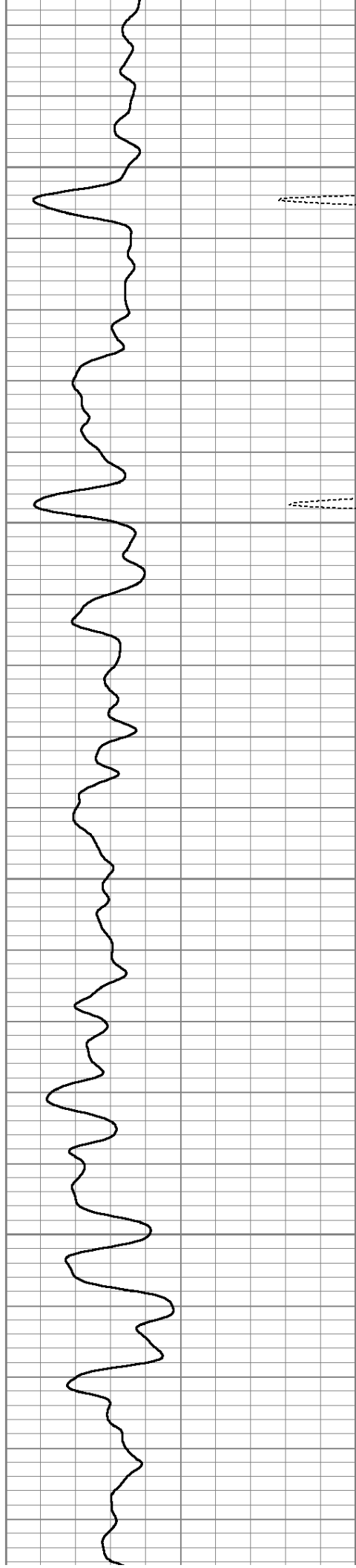


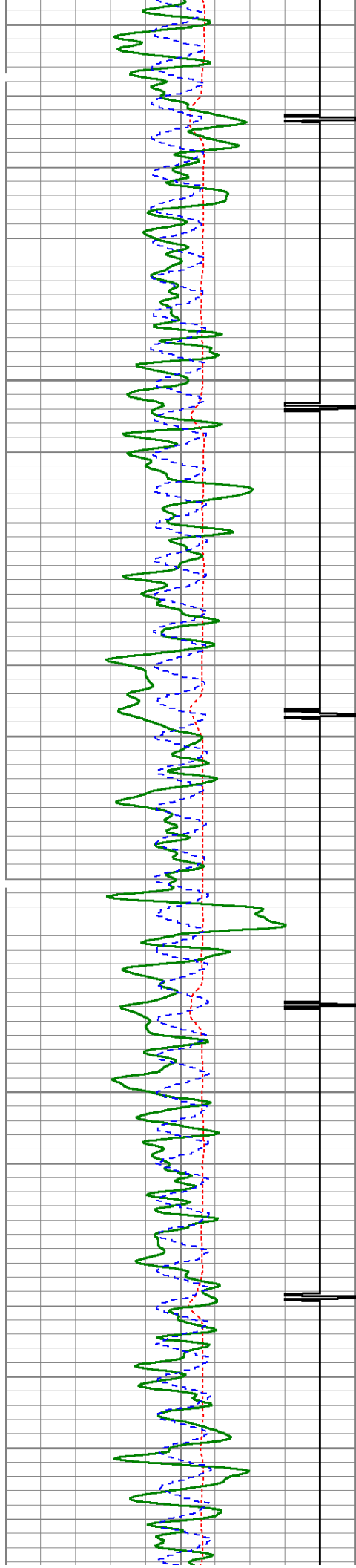
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4700

4750





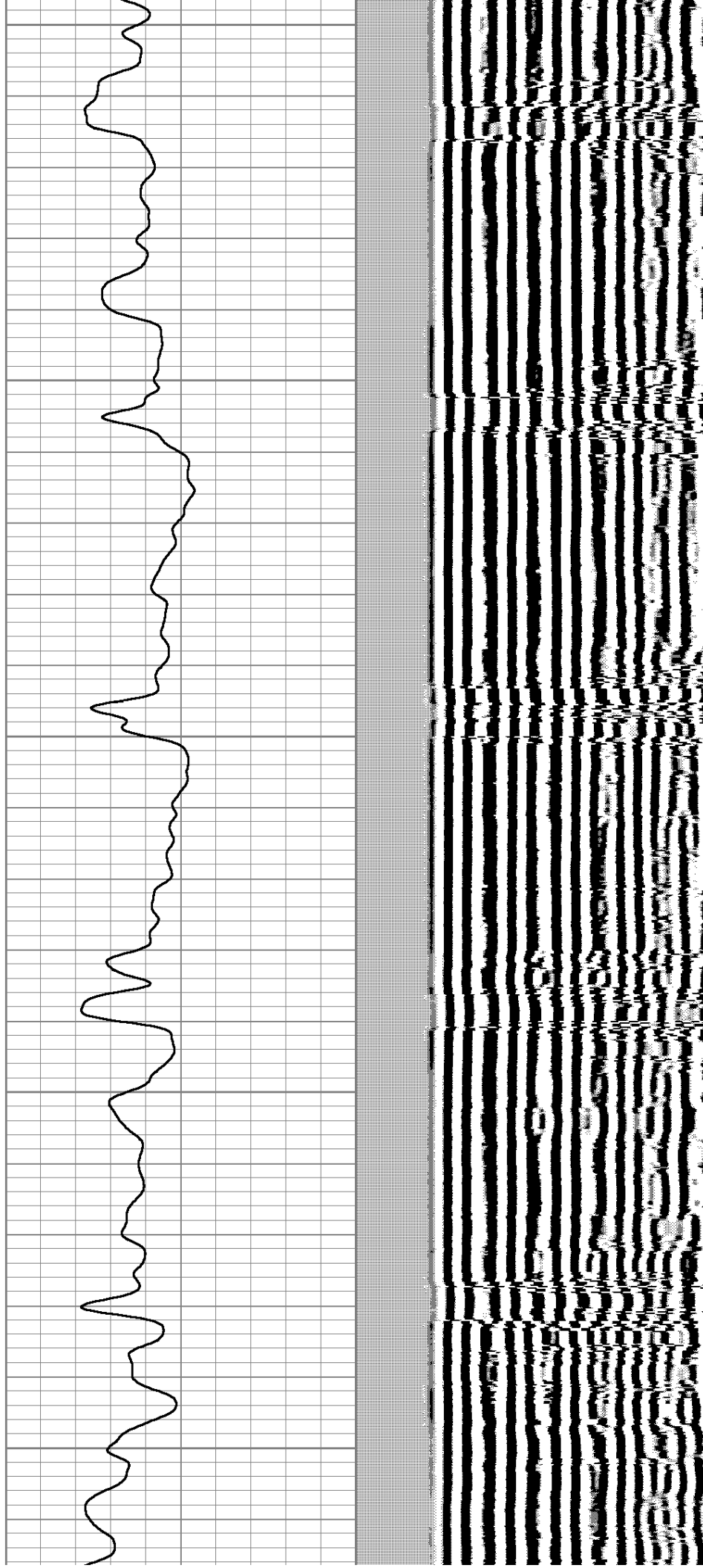
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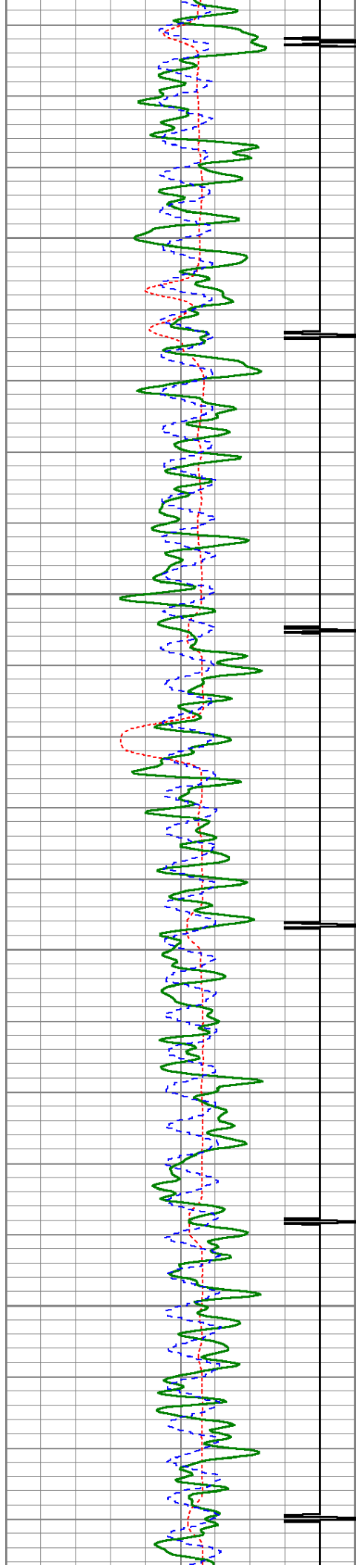
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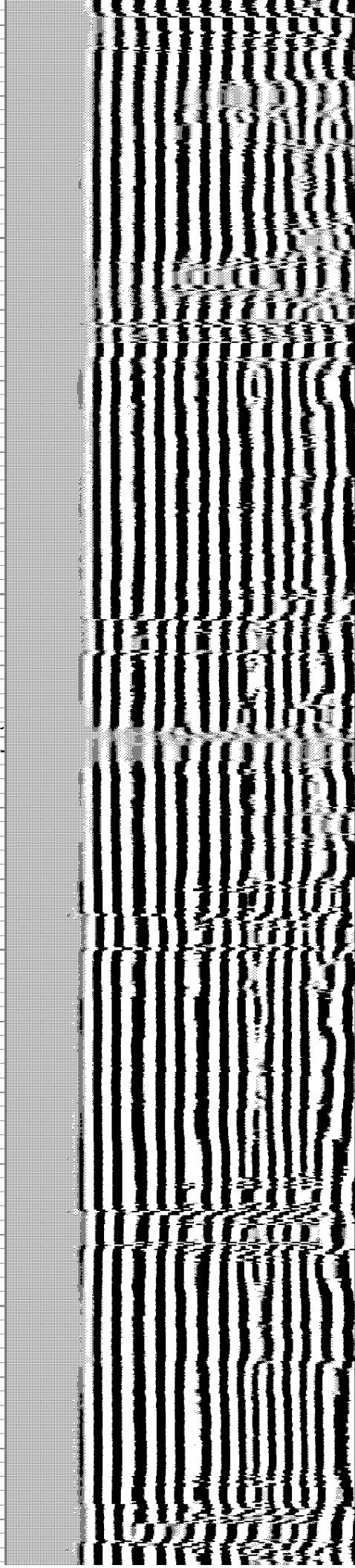
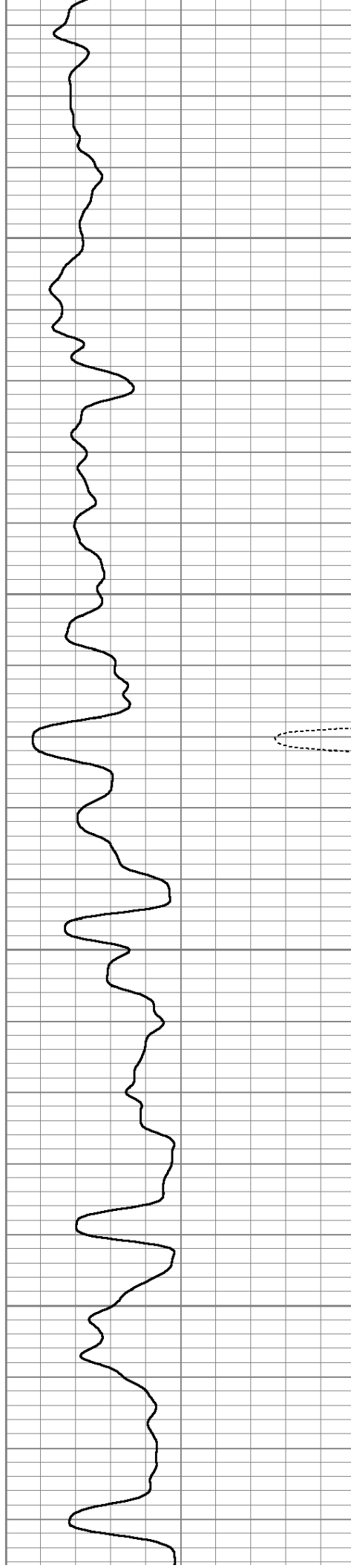


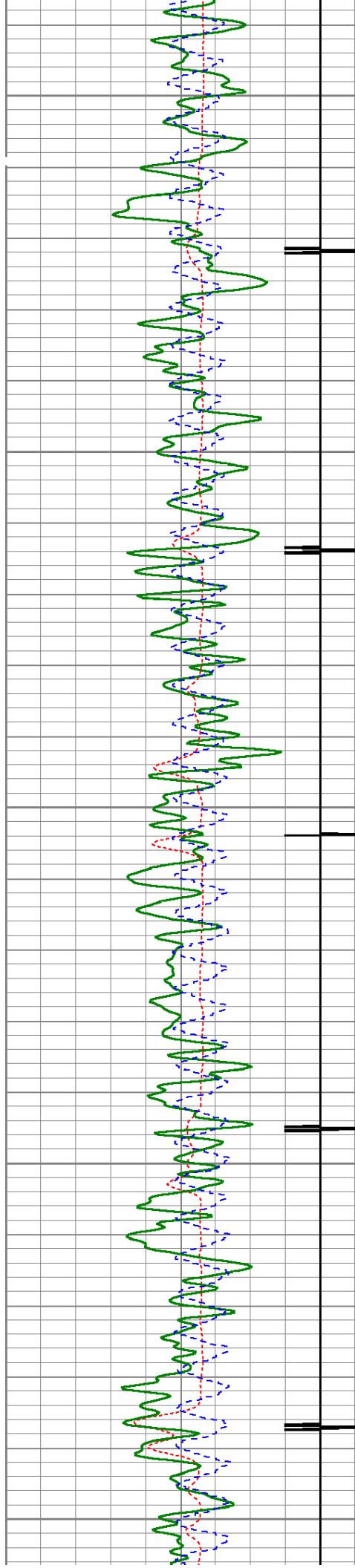
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5100

5150

5200





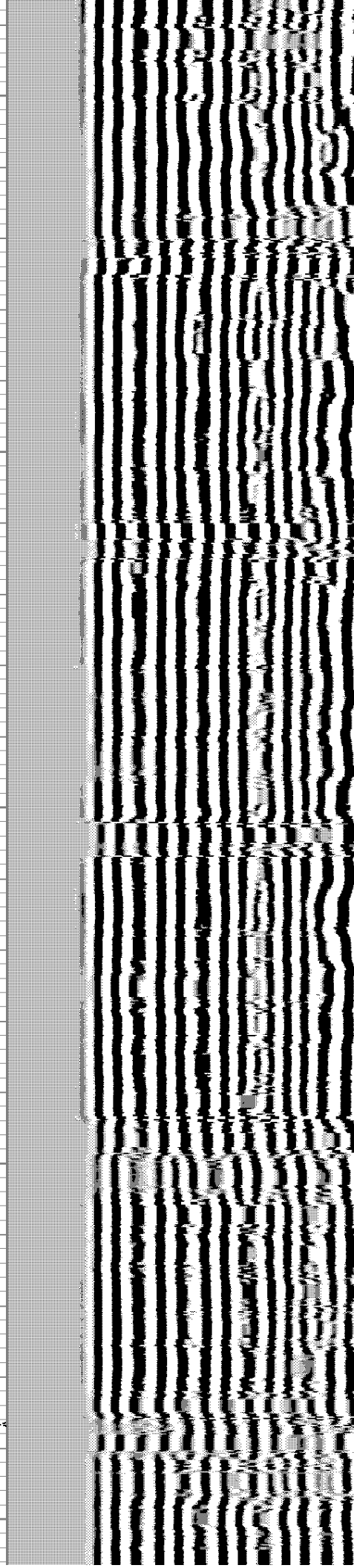
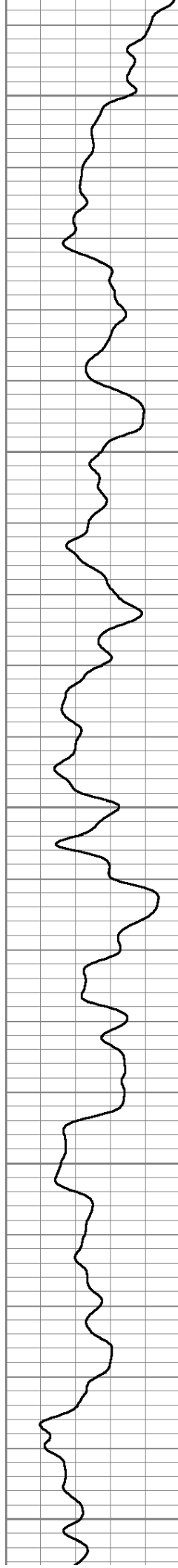
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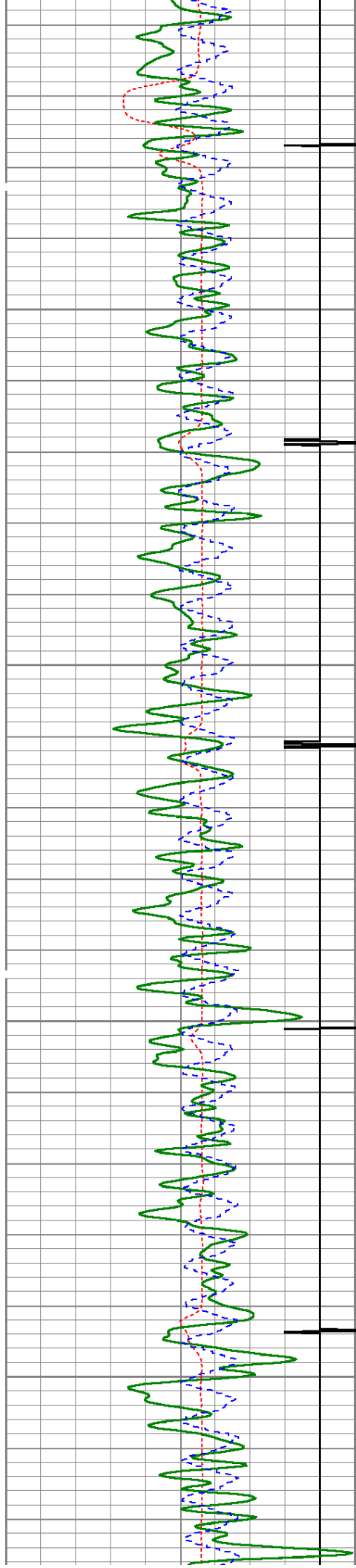
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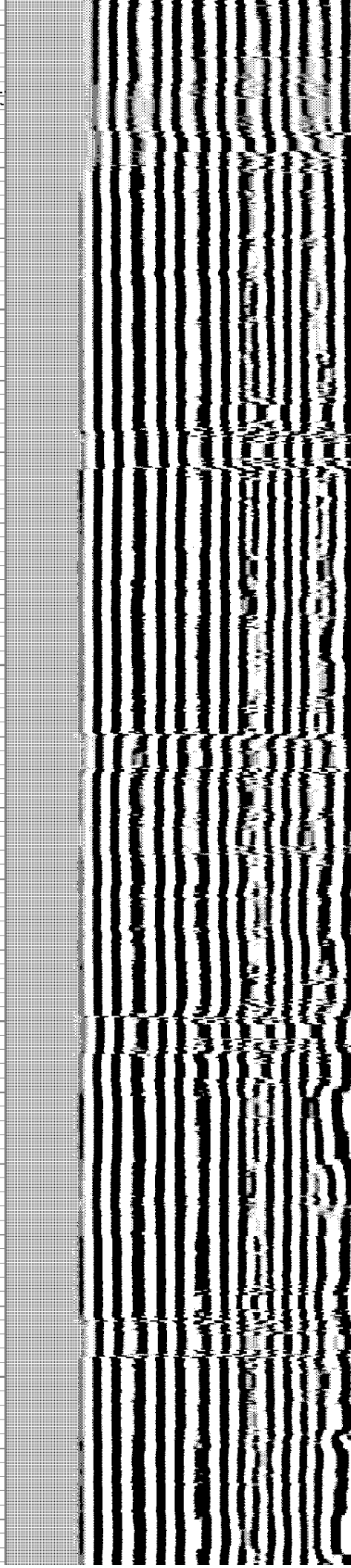
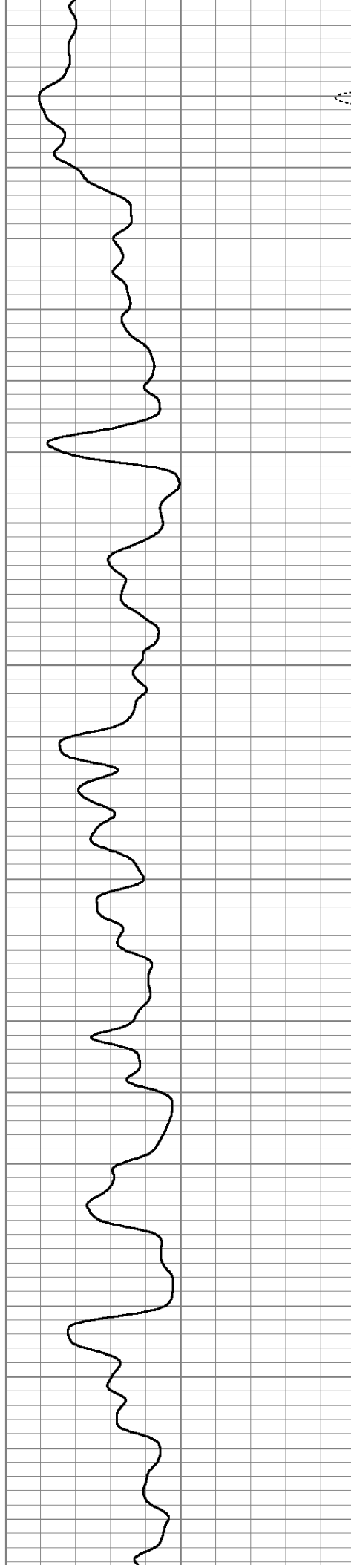


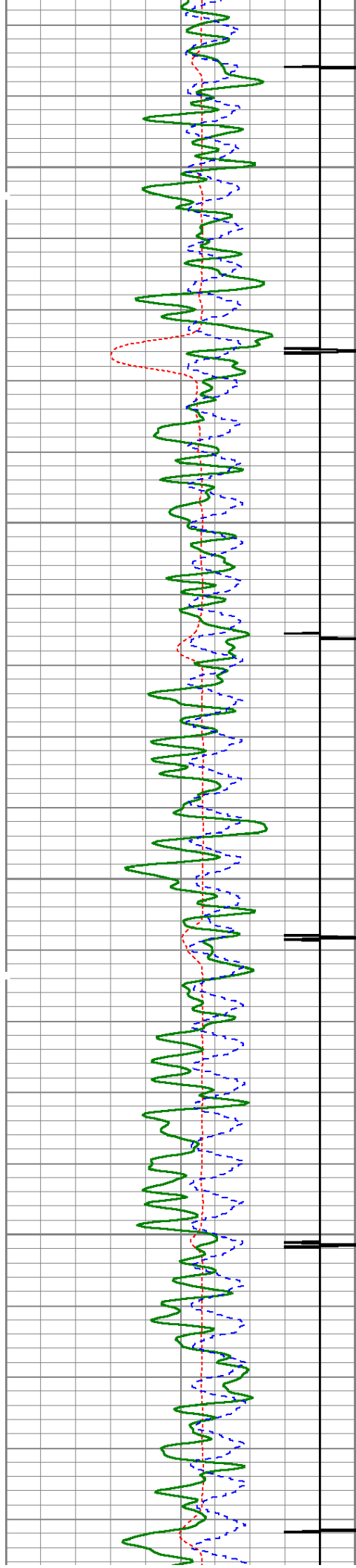
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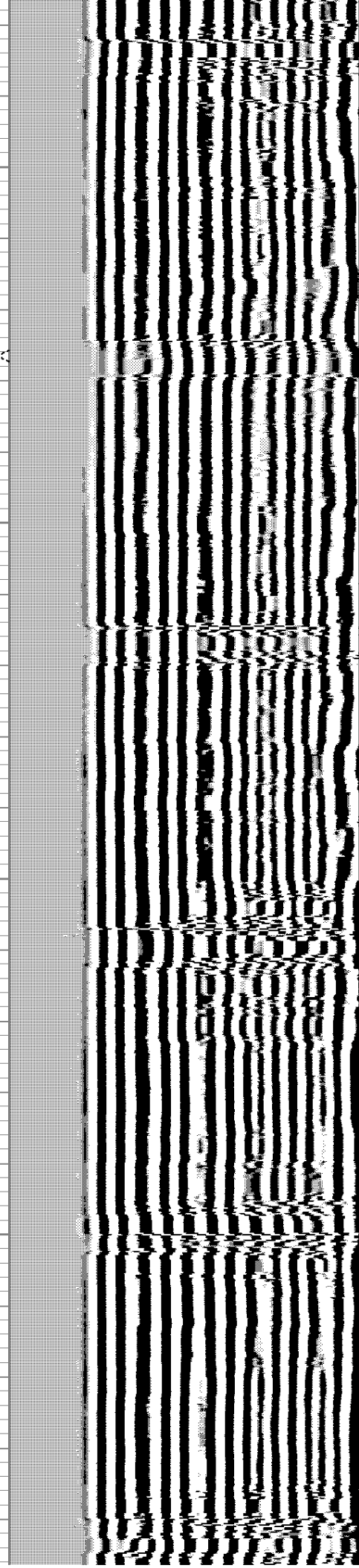
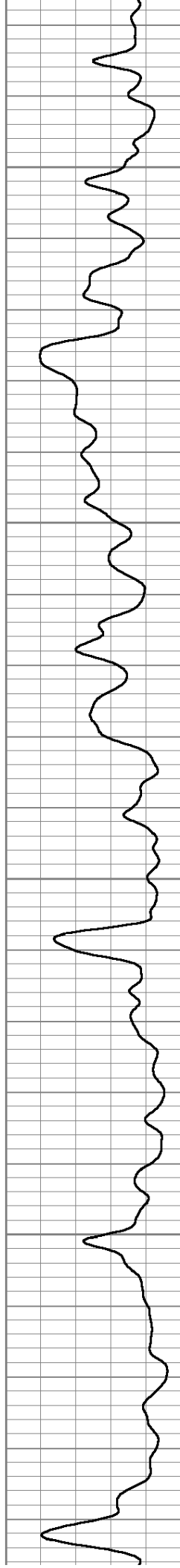


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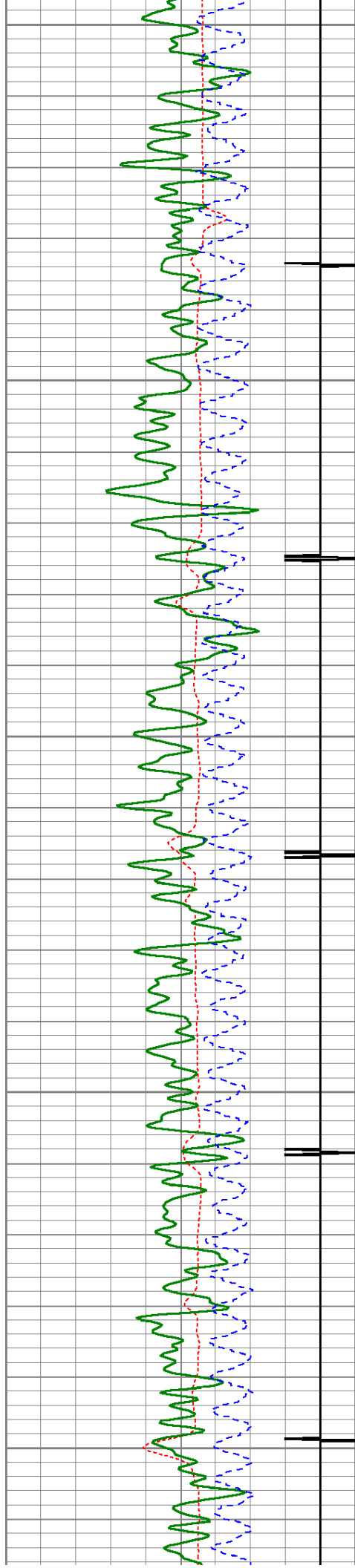
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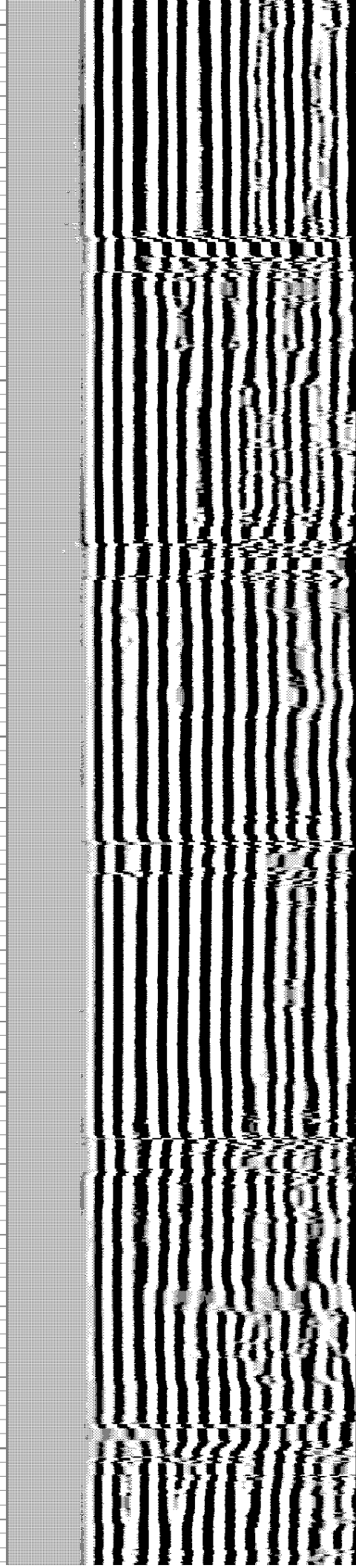
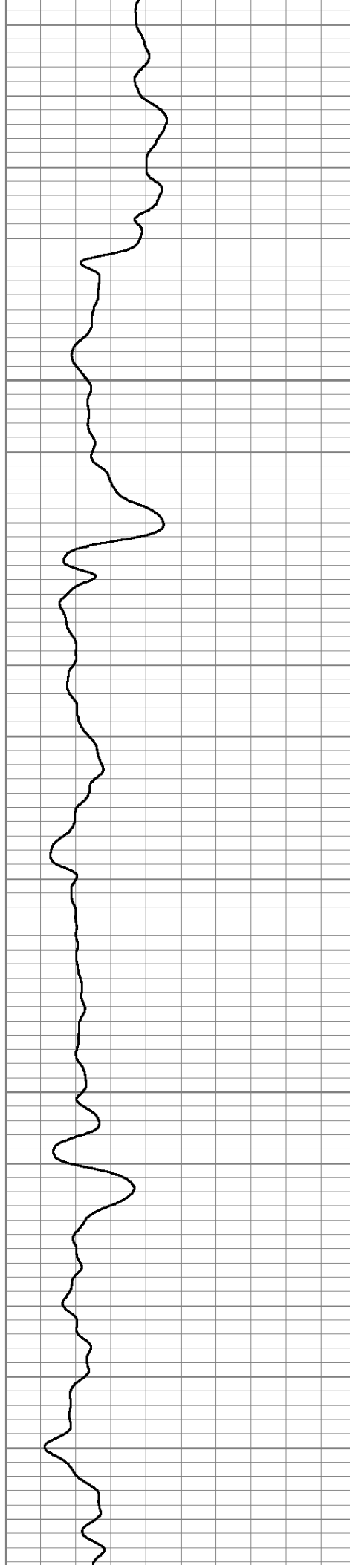
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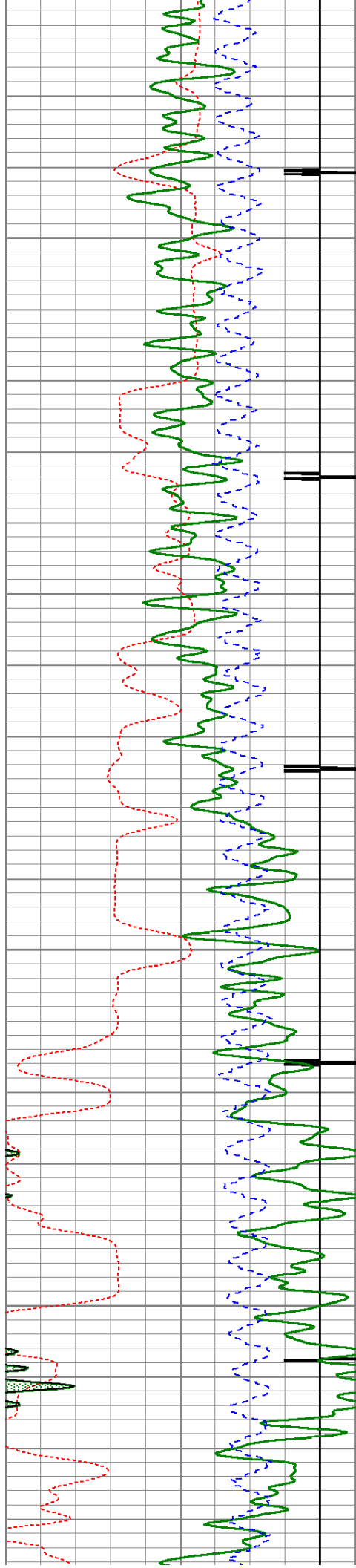
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6050

6100



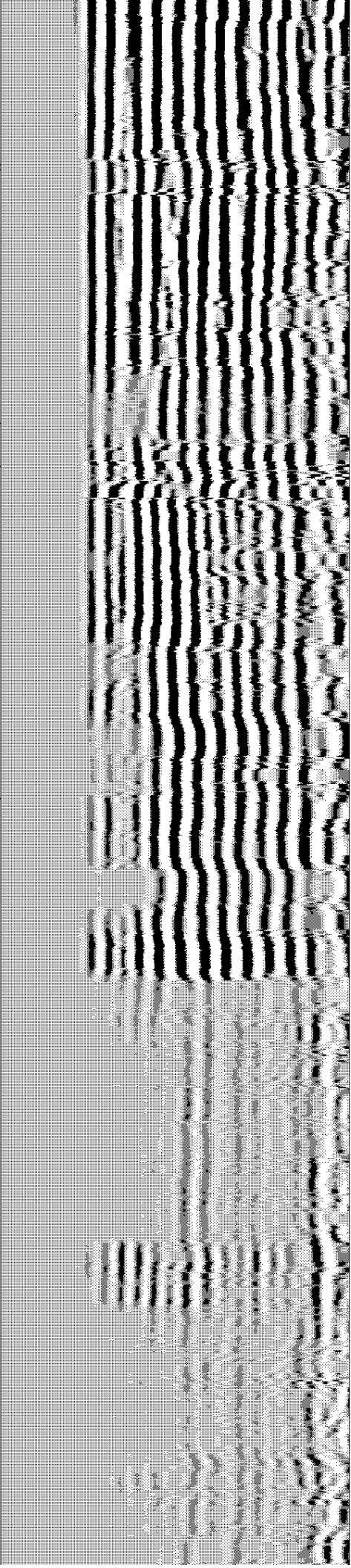
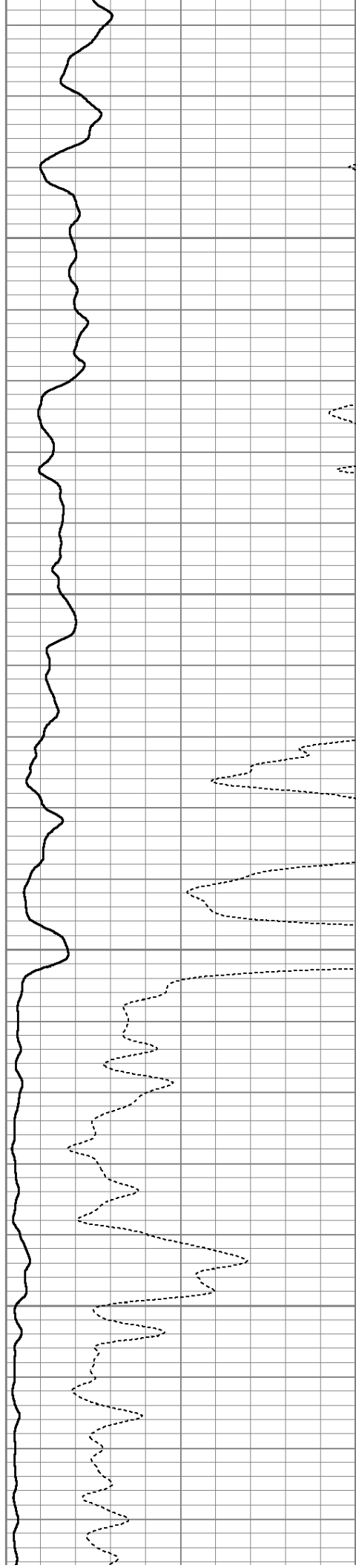


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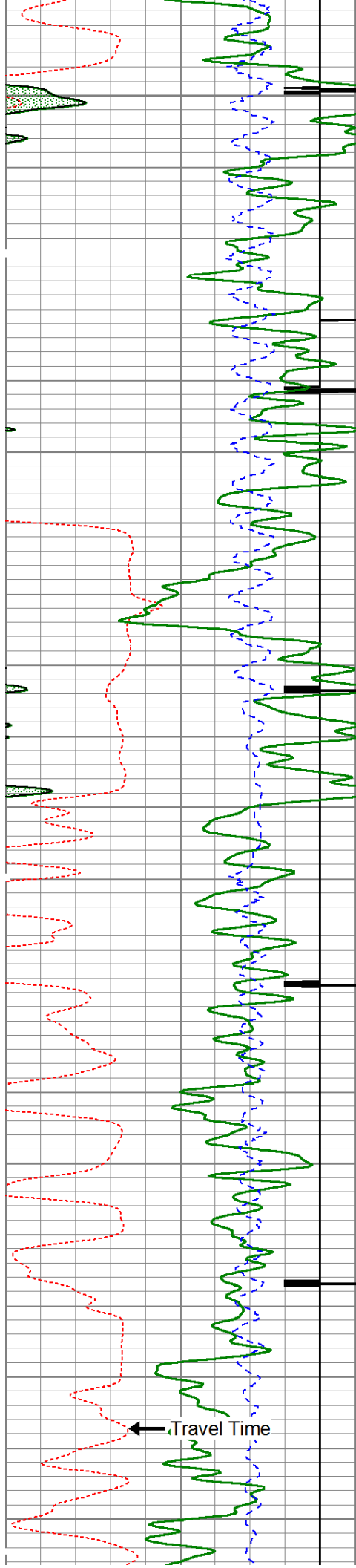
6200

6250

6300







6350

6400

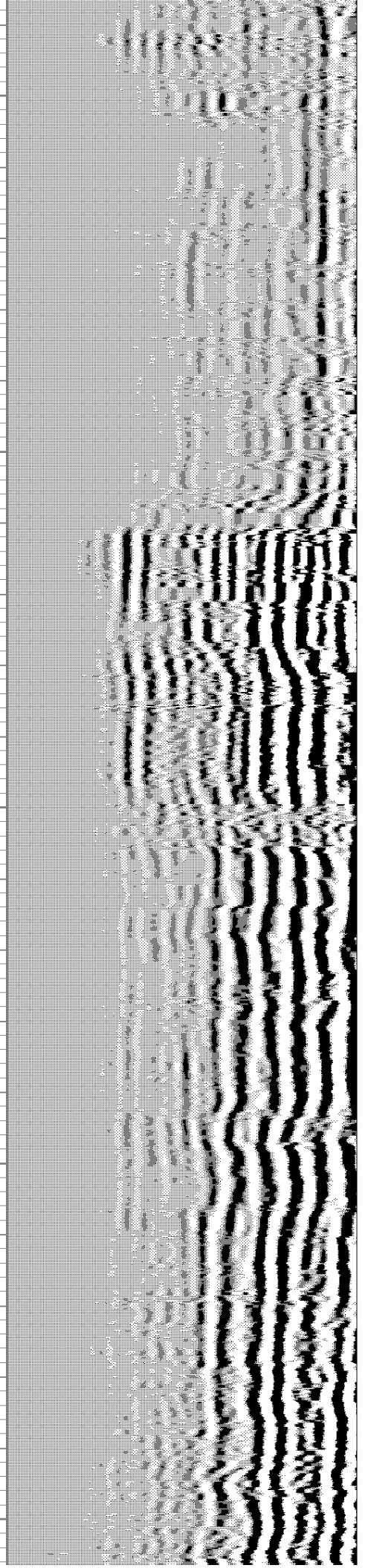
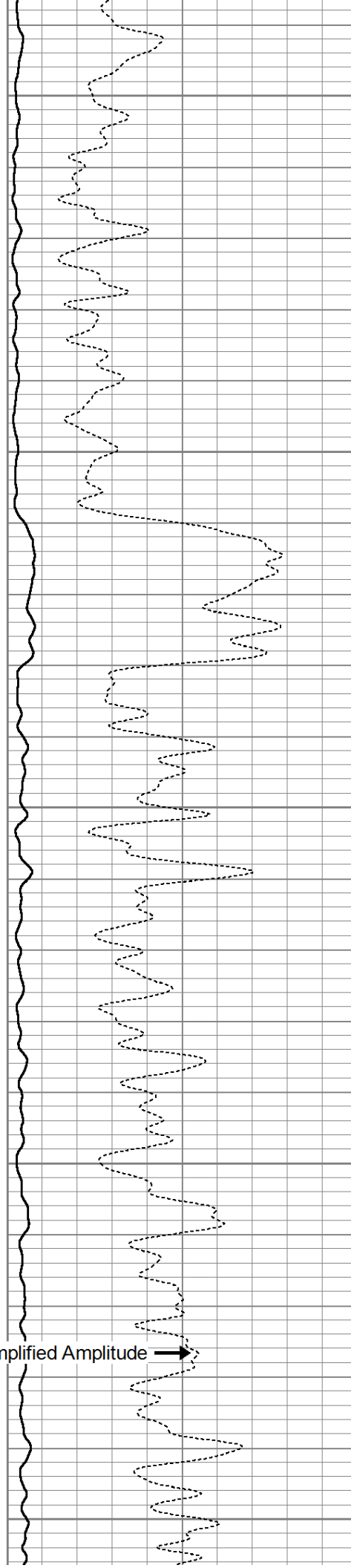
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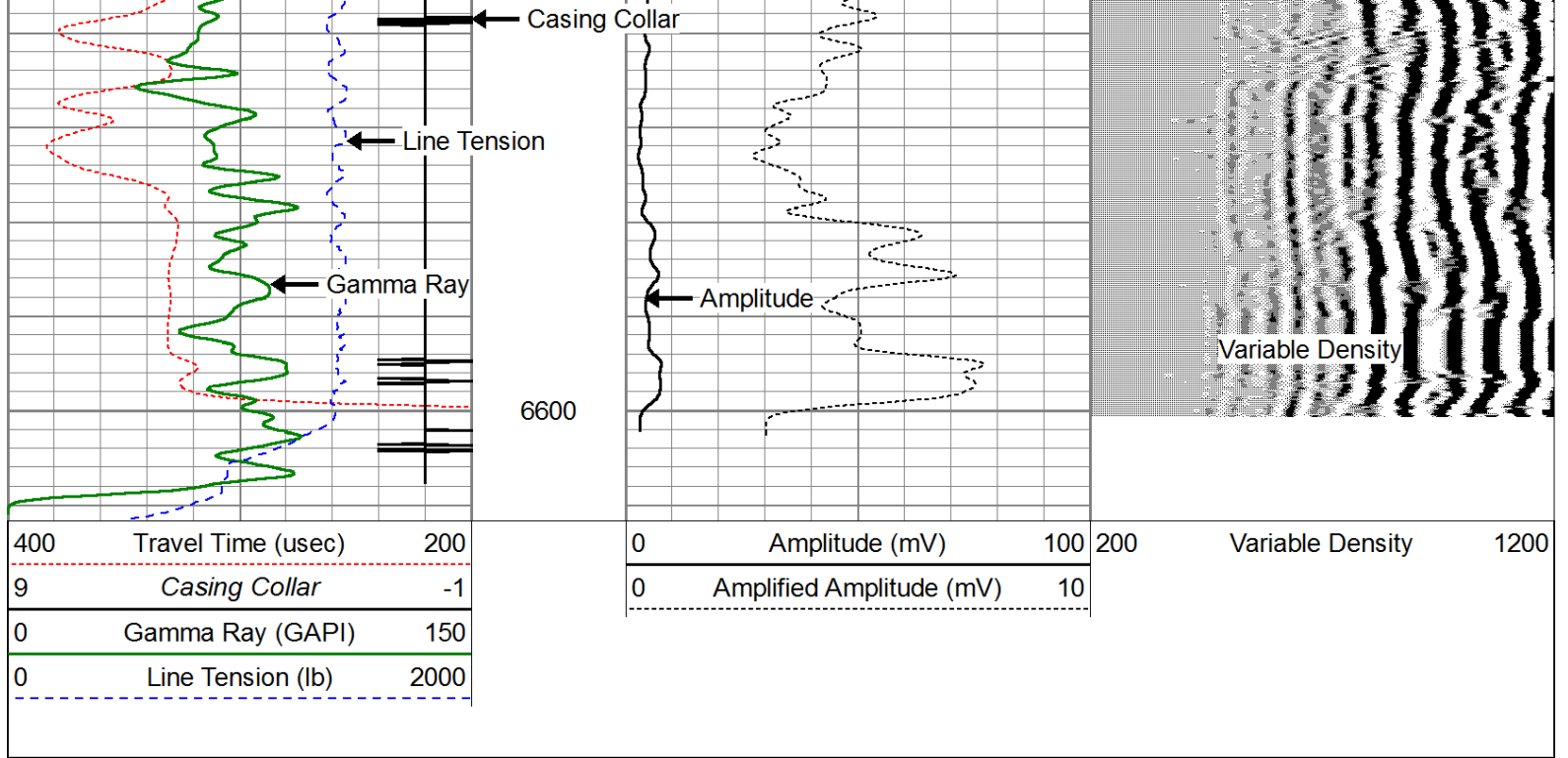
6500

6550

Travel Time

Amplified Amplitude





Calibration Report				
Database File:	bonanza creek antelope a11-u41-33hnc_cbl.db			
Dataset Pathname:	pass2			
Dataset Creation:	Mon May 19 13:50:02 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:

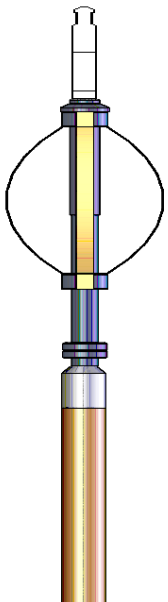
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.030	0.724	1.000	71.921	102.212	3.033
CAL	-0.025	0.776				
5'	-0.021	0.670	1.000	71.921	102.566	3.185
SUM						
S1	-0.032	0.756	0.000	100.000	126.902	4.068
S2	0.023	0.743	0.000	100.000	139.017	-3.236
S3	0.041	0.703	0.000	100.000	150.996	-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

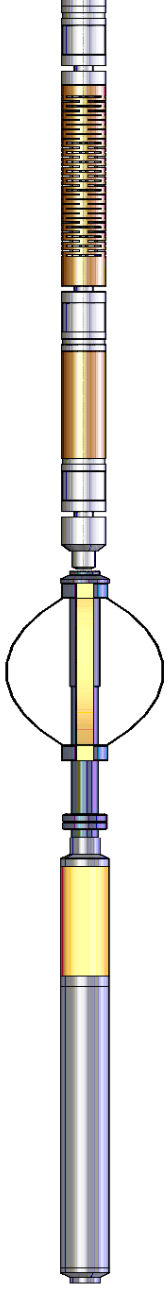
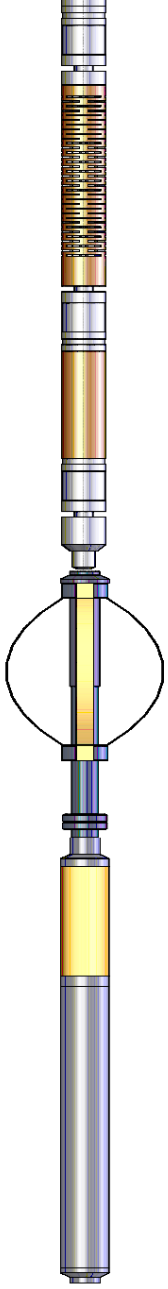
Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:

	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	
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

WVF3FT	11.84		RBT-Probe (101254) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFCAL	11.84					
WVFS1	11.84					
WVFS2	11.84					
WVFS3	11.84					
WVFS4	11.84					
WVFS5	11.84					
WVFS6	11.84					
WVFS7	11.84					
WVFS8	11.84					
WVF5FT	10.84					
CCL	3.88		Probe275 2.75" Centralizer	2.88	2.75	20.00
TEMP	3.00					
GR	2.54		GR-Probe275 (111111) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
Dataset:		bonanza creek antelope a11-u41-33hnc_cbl.db: field/well/run1/pass2				
Total Length:		20.28 ft				
Total Weight:		197.00 lb				
O.D.		2.75 in				