



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

Company	Bonanza Creek Energy	Company	Bonanza Creek Energy
Well	Pronghorn T-P-3HNB	Well	Pronghorn T-P-3HNB
Field	Wildcat	Field	Wildcat
County	Weld	County	Weld
State	Colorado	State	Colorado
Location:		API # : 05-123-36465.	Other Services
430' FSL & 1222' FEL		None	
SEC 15 TWP 5 N RGE 61 W			
Permanent Datum	Ground Level	Elevation	4753'
Log Measured From	Kelly Bushing	15' APD	
Drilling Measured From	Kelly Bushing		
Date	08-April-2013		
Run Number	One		
Depth Driller	10756'		
Depth Logger	6354'		
Bottom Logged Interval	6342'		
Top Log Interval	Surface		
Open Hole Size	8 3/4"		
Type Fluid	Water		
Density / Viscosity	-		
Max. Recorded Temp.	-		
Estimated Cement Top	NA		
Time Well Ready	1030		
Time Logger on Bottom	1145		
Equipment Number	12029		
Location	Brighton, CO		
Recorded By	R.Grissom		
Witnessed By	Kurt Dodge		Kevin Bunker
Borehole Record		Tubing Record	
Run Number	Bit	From	To
1	13.5"	Surface	410'
2	8.75"	410'	6598'
3	6.125"	6598'	10945'
Casing Record	Size	Wgt/Ft	Top
Surface String	9 5/8"	36#	Surface
Prot. String			
Production String	7"	26#	Surface
Liner	4.5"	11 6#	6498'
Short Joint			10891'

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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

Thank You for using Allied Wireline

(303) 659-4609



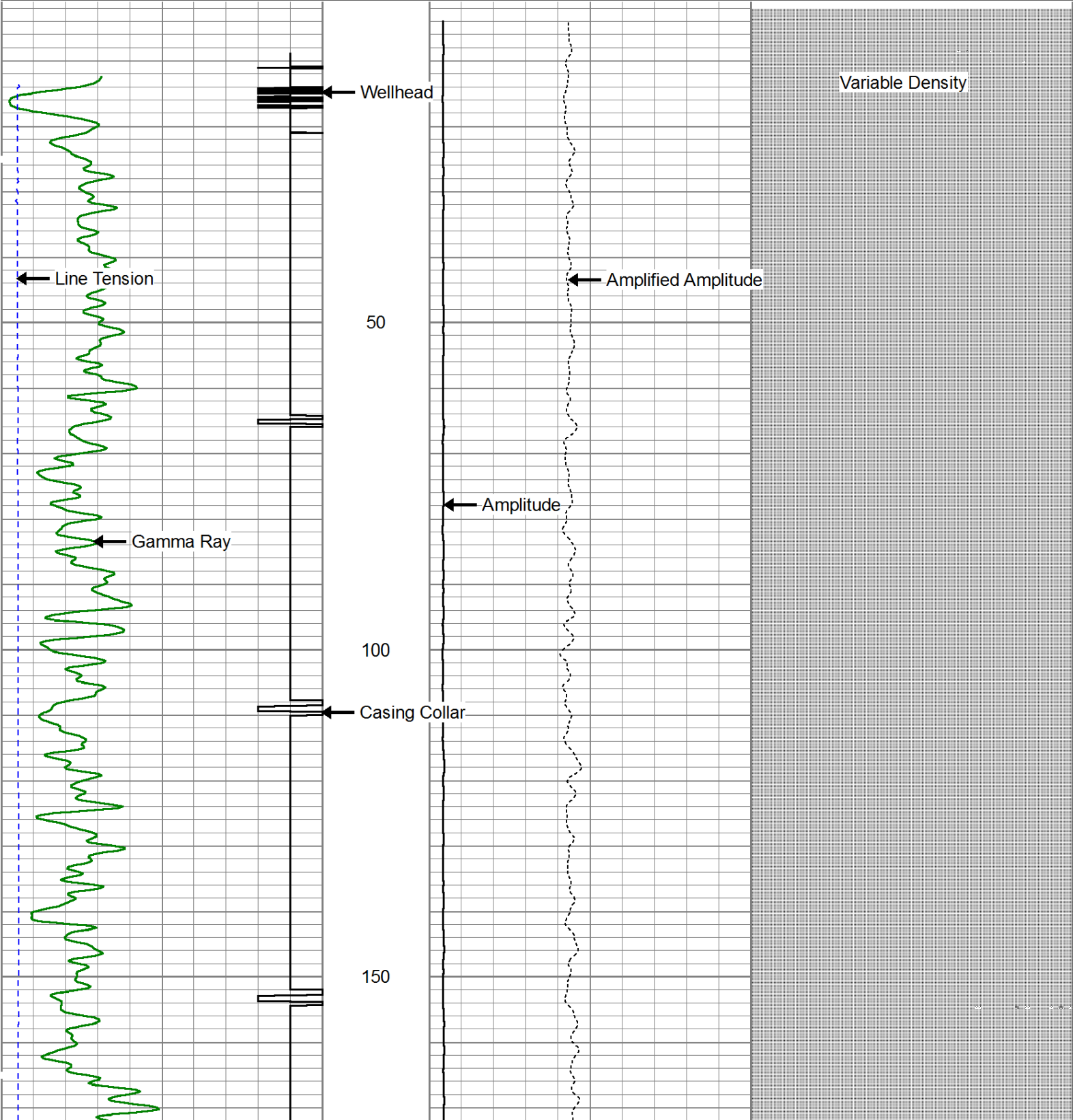
Main Pass (0 Pressure)

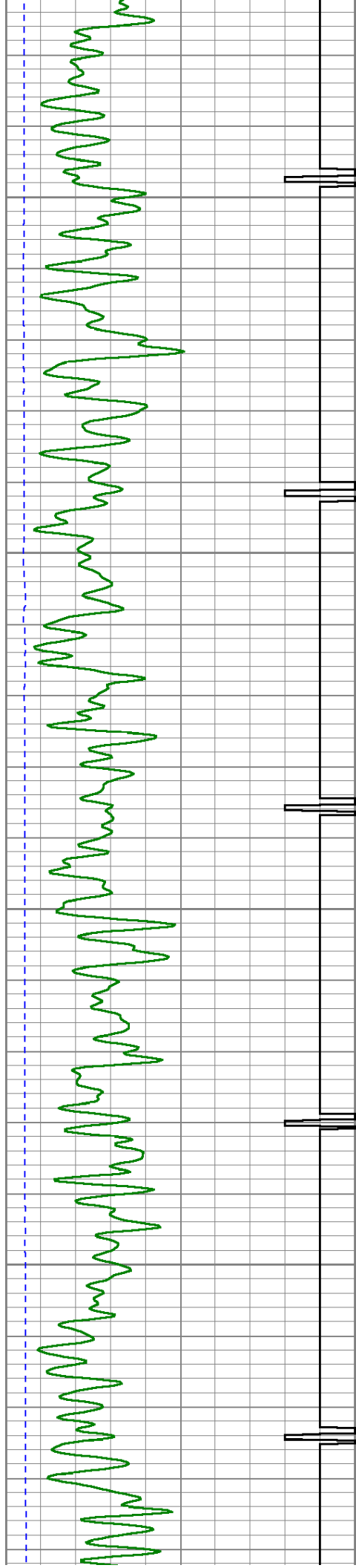
Database File: bonanza_creek_pronghorn_t_p_3_hnb_cbl.db
Dataset Pathname: pass5
Presentation Format: cblprobe
Dataset Creation: Mon Apr 08 14:53:55 2013
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	5000

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

200 Variable Density 1200



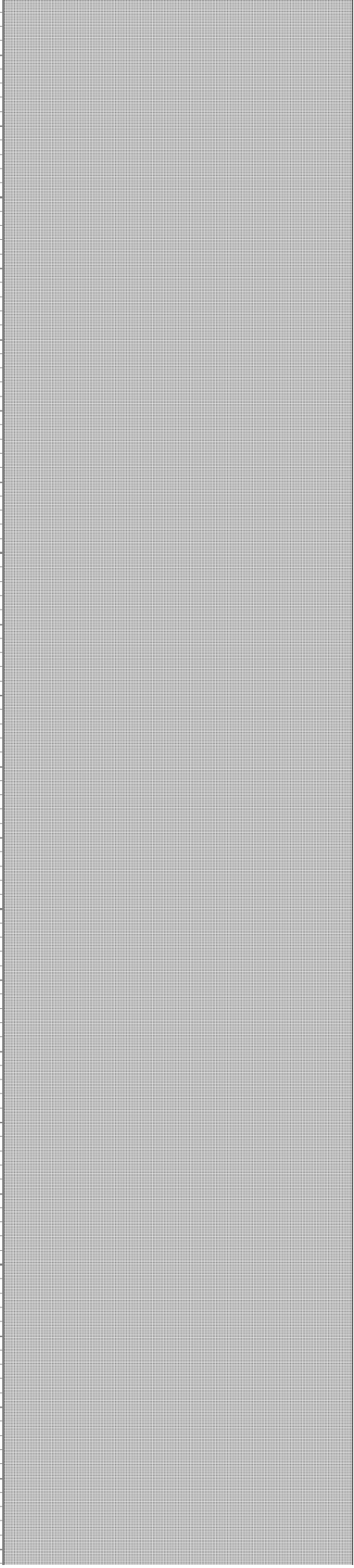
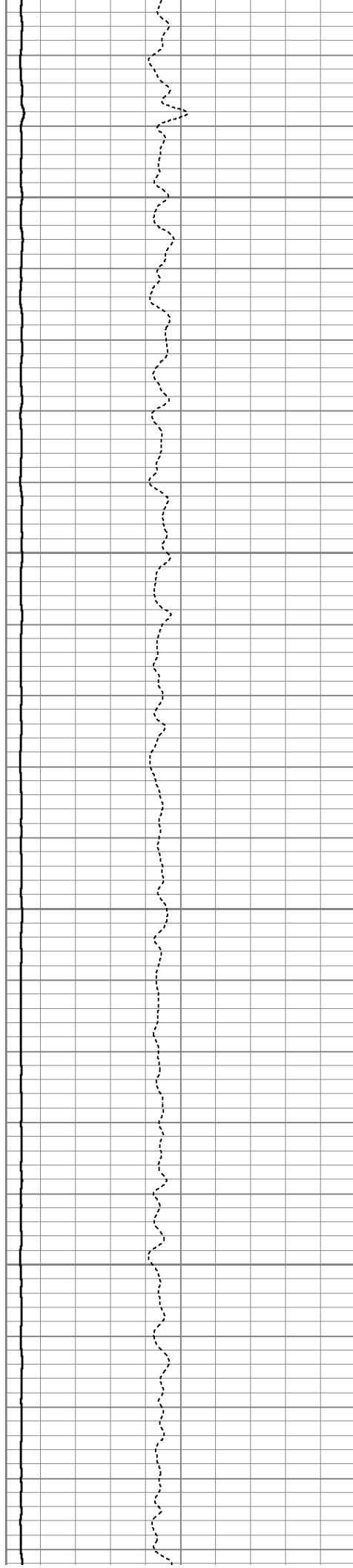


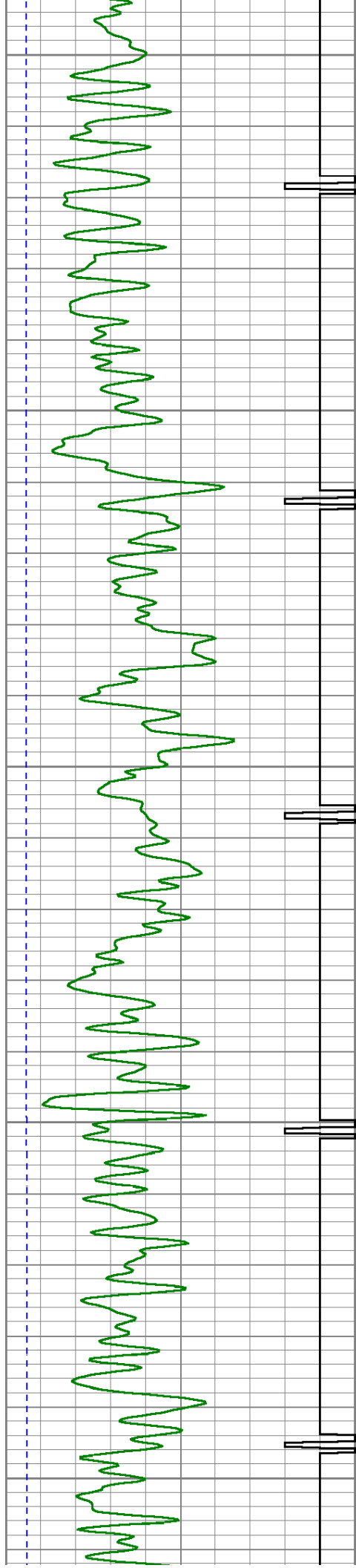
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250

300

350





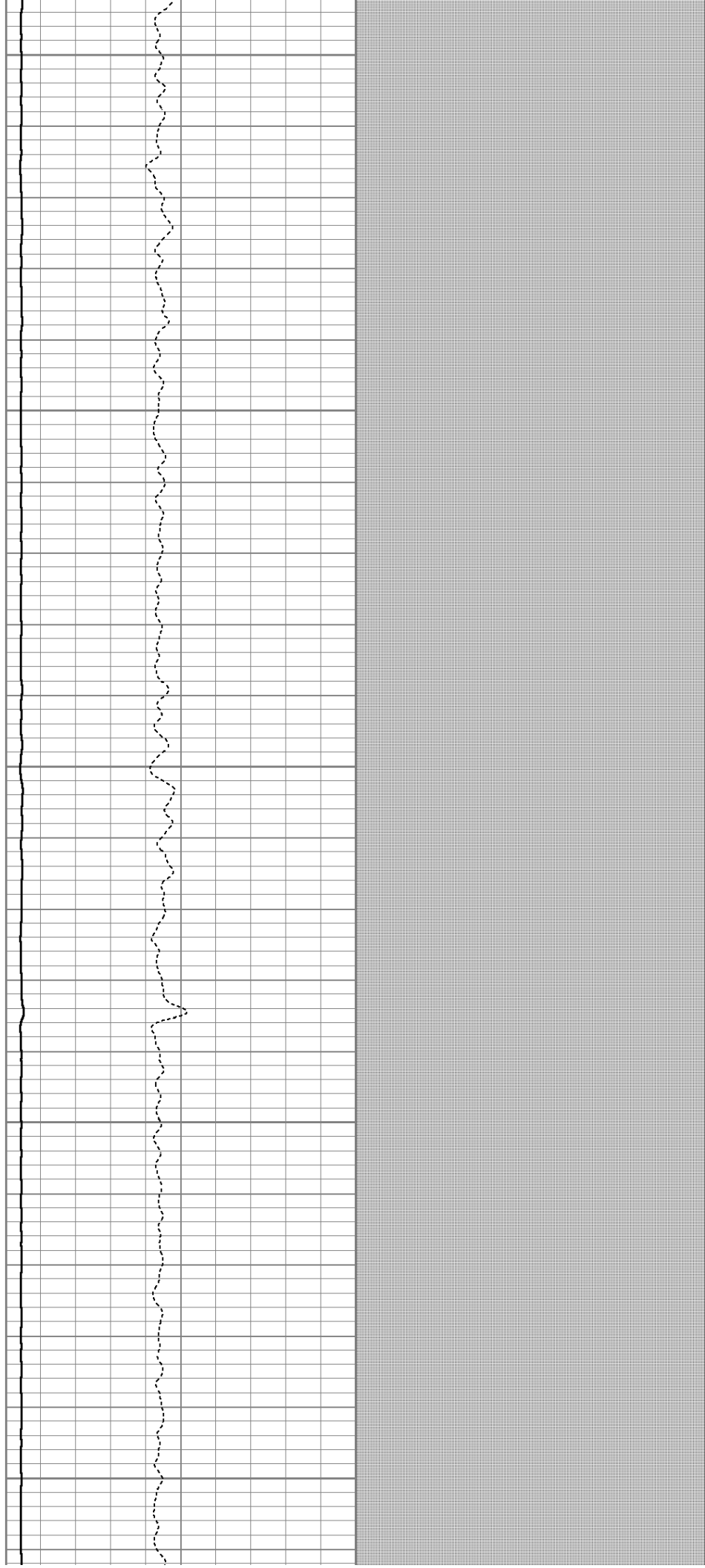
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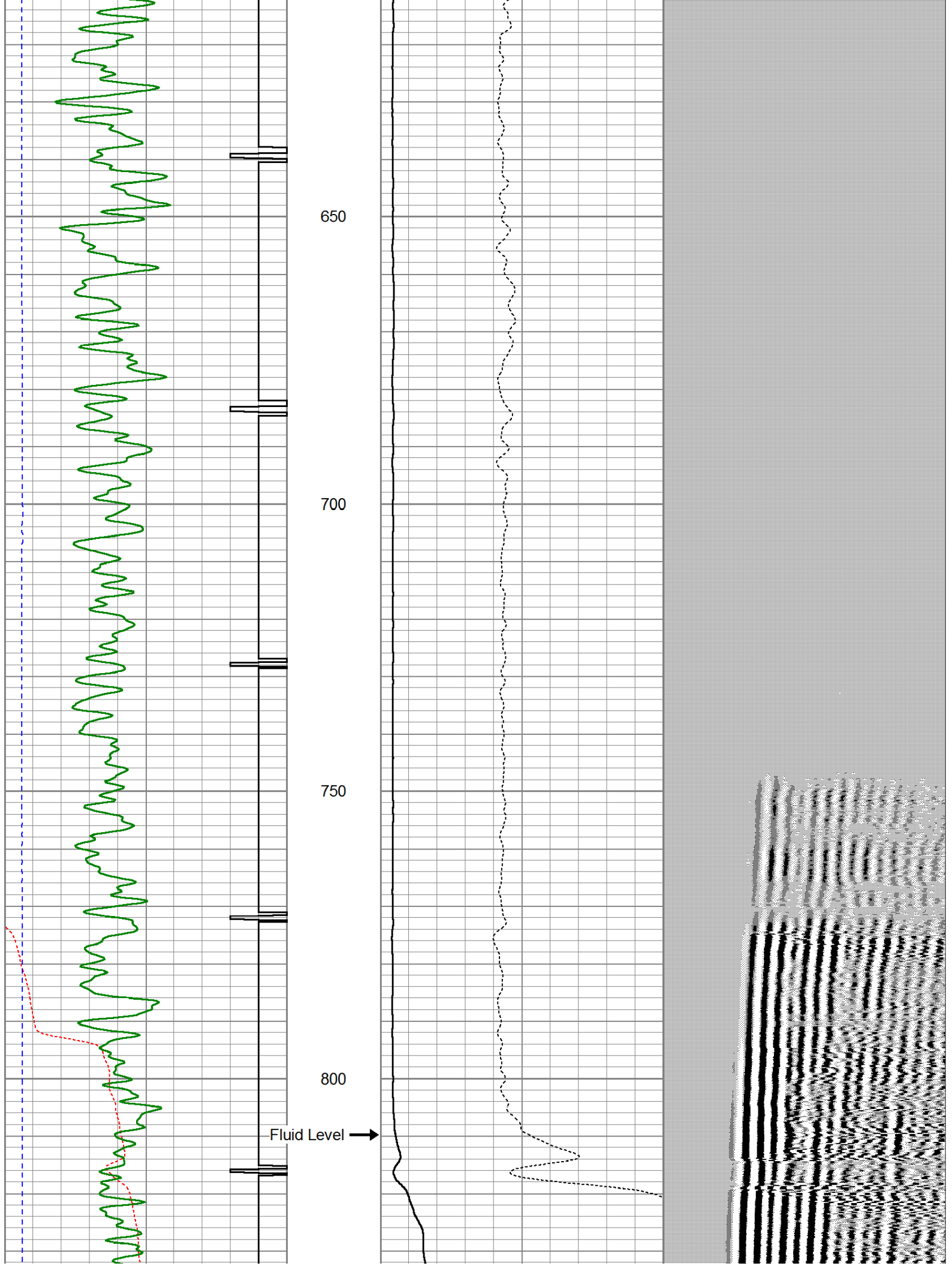
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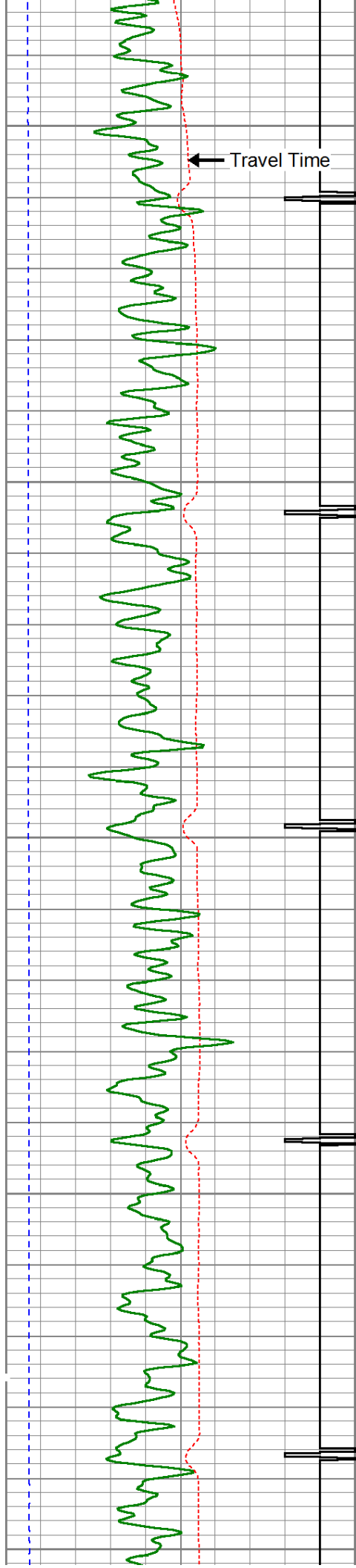
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550

600







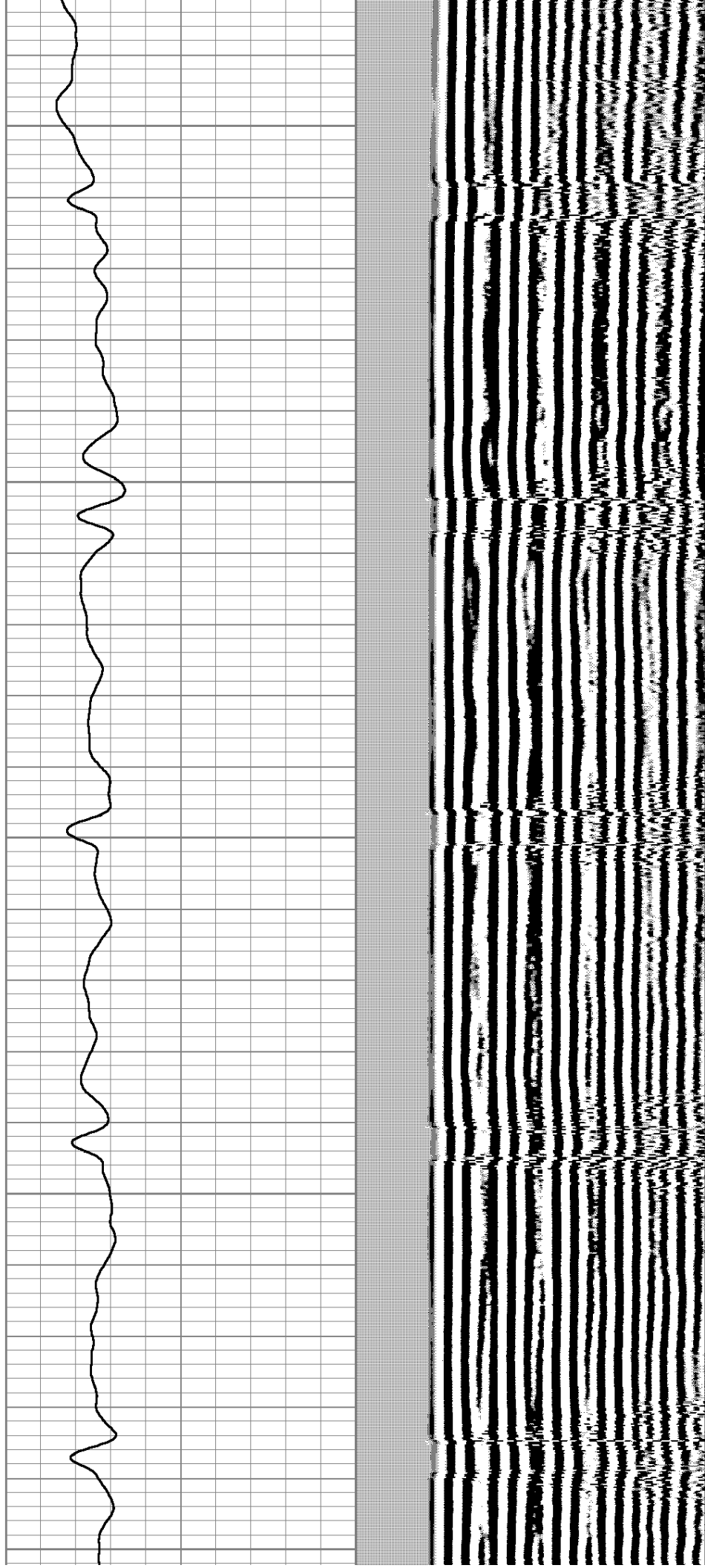
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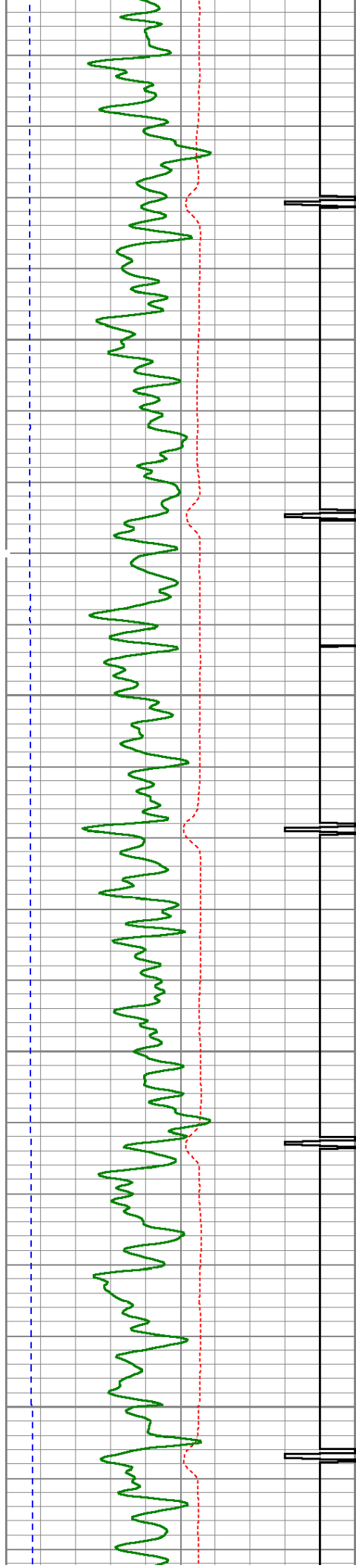
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1000

1050



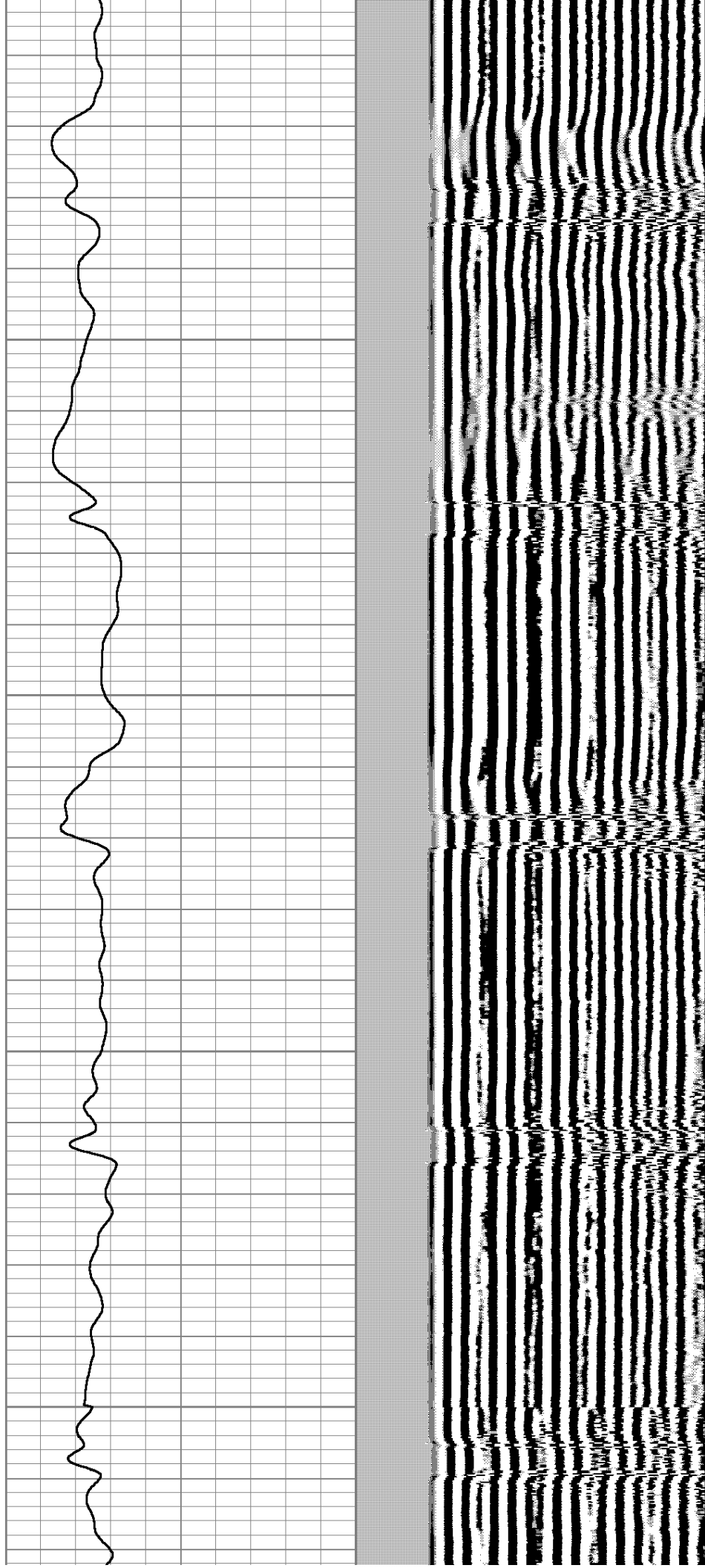


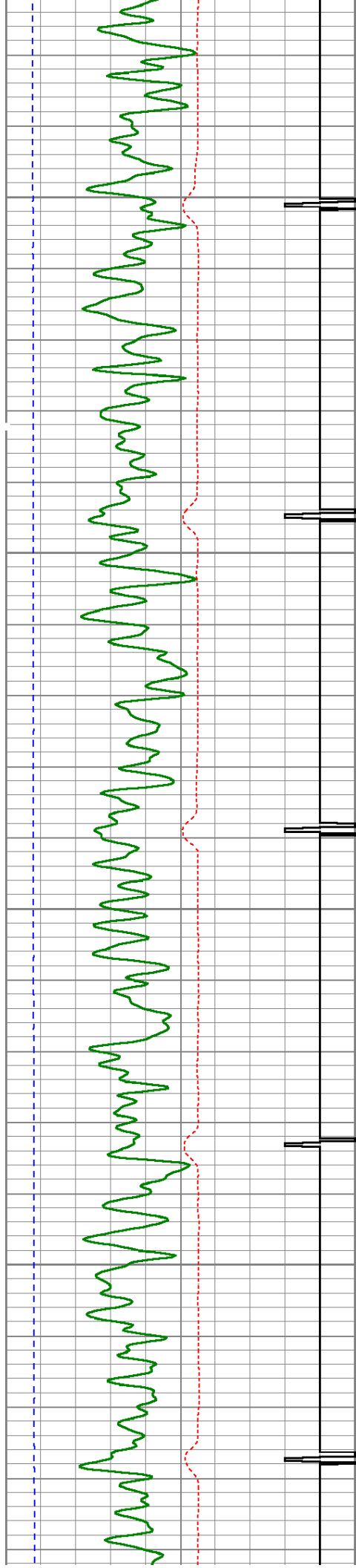
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1200

1250



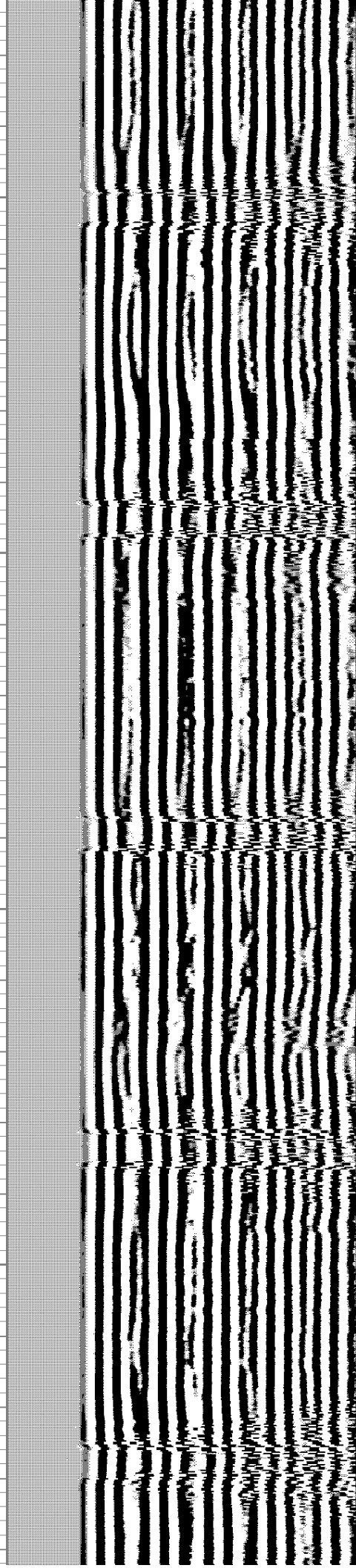
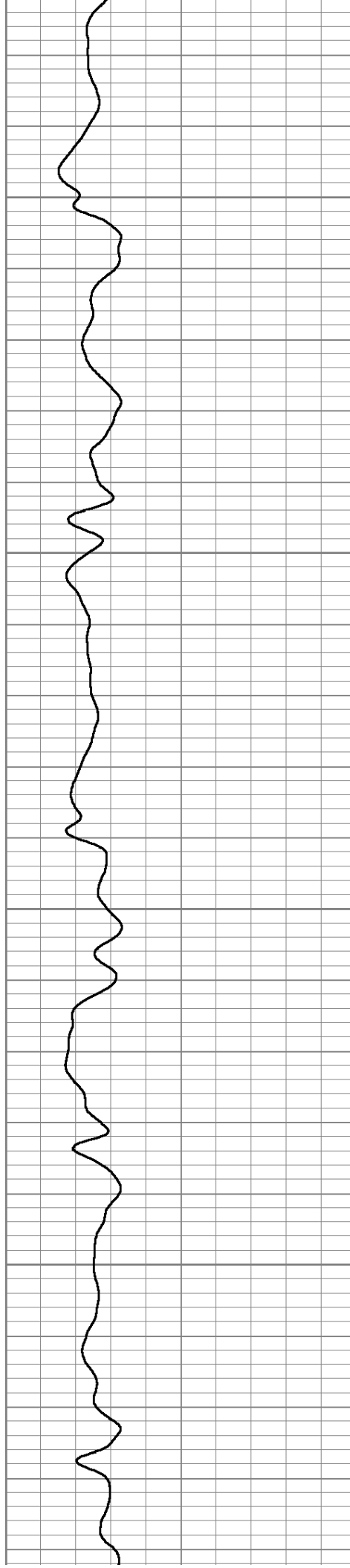


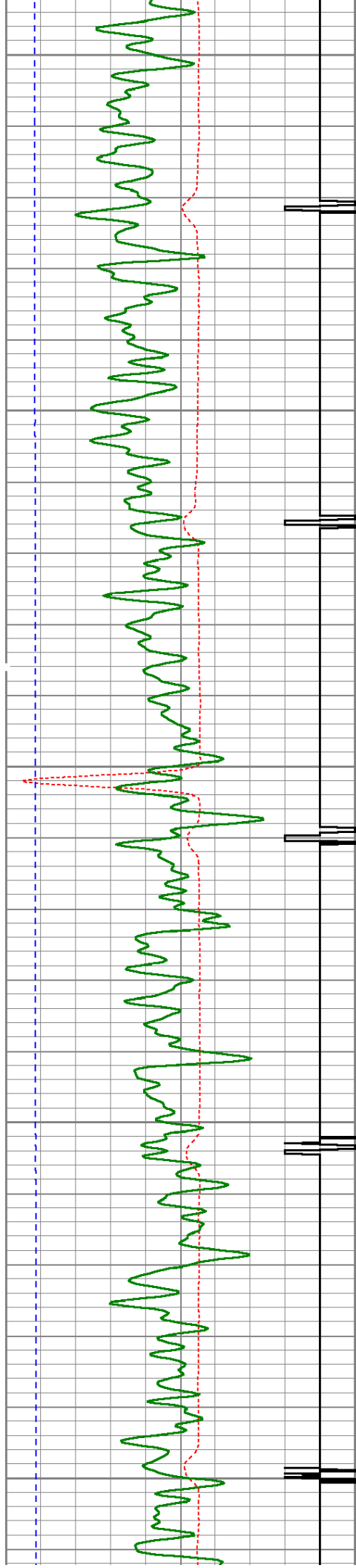
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1450





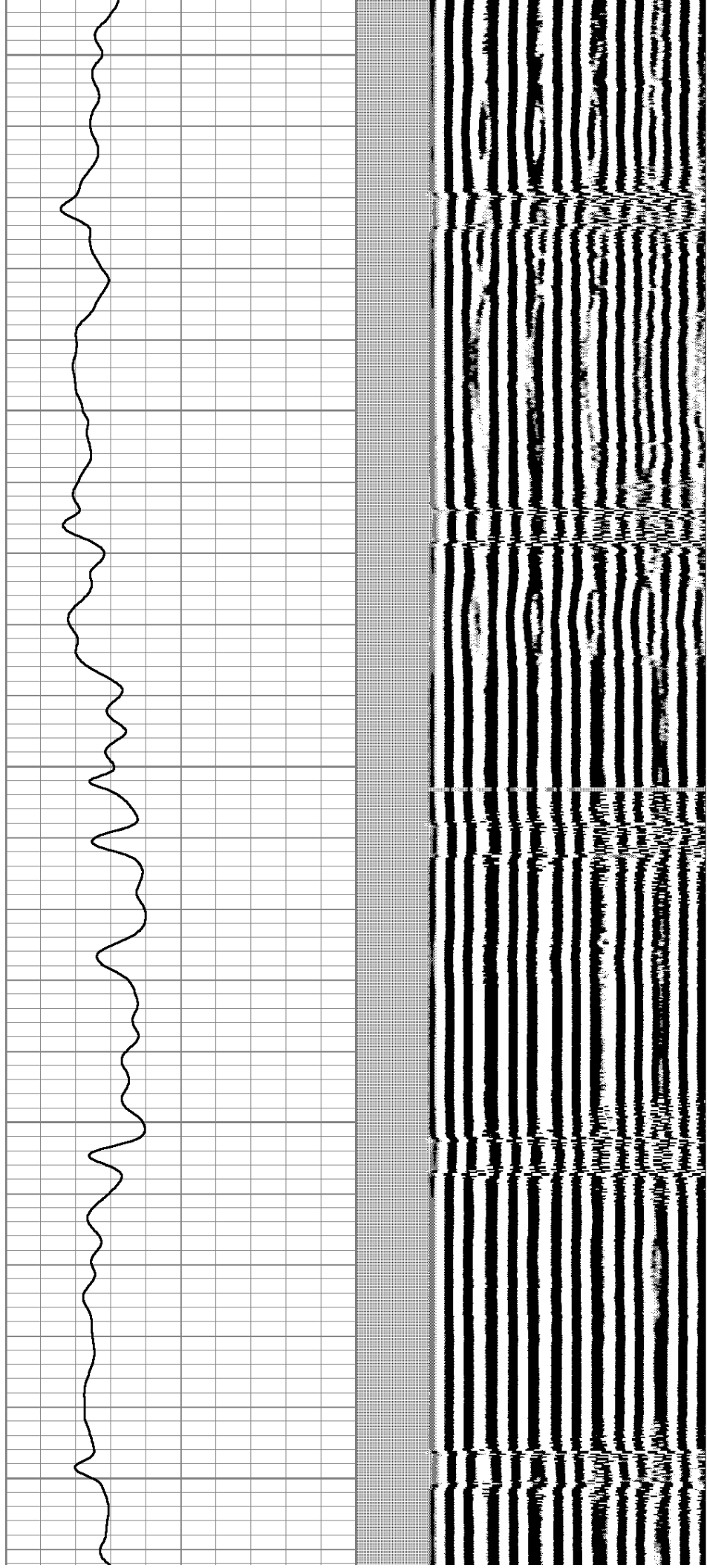
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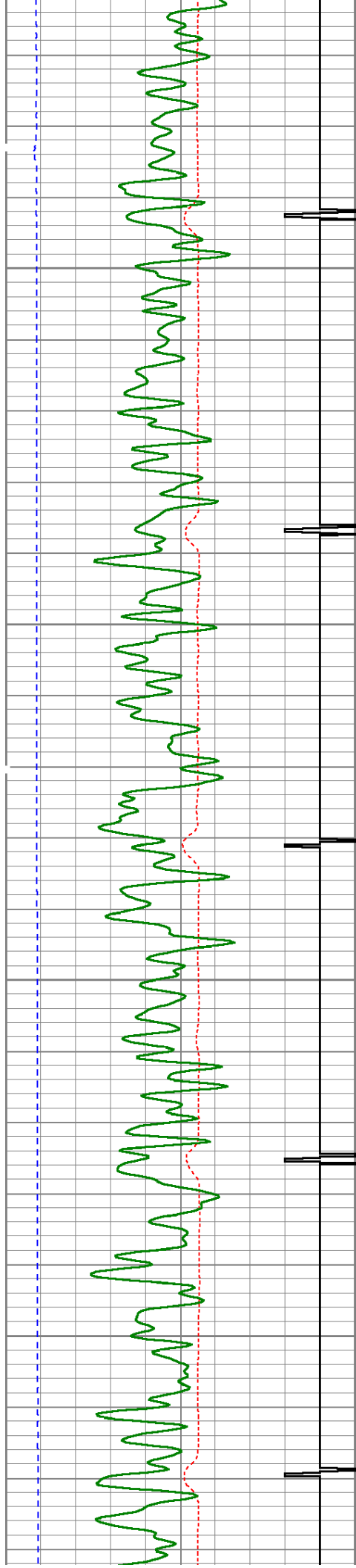
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1700



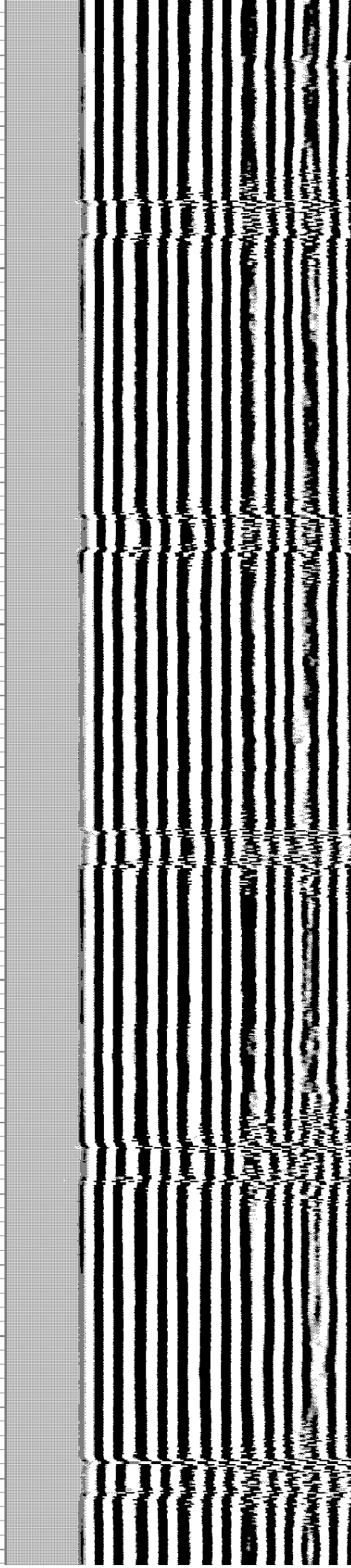
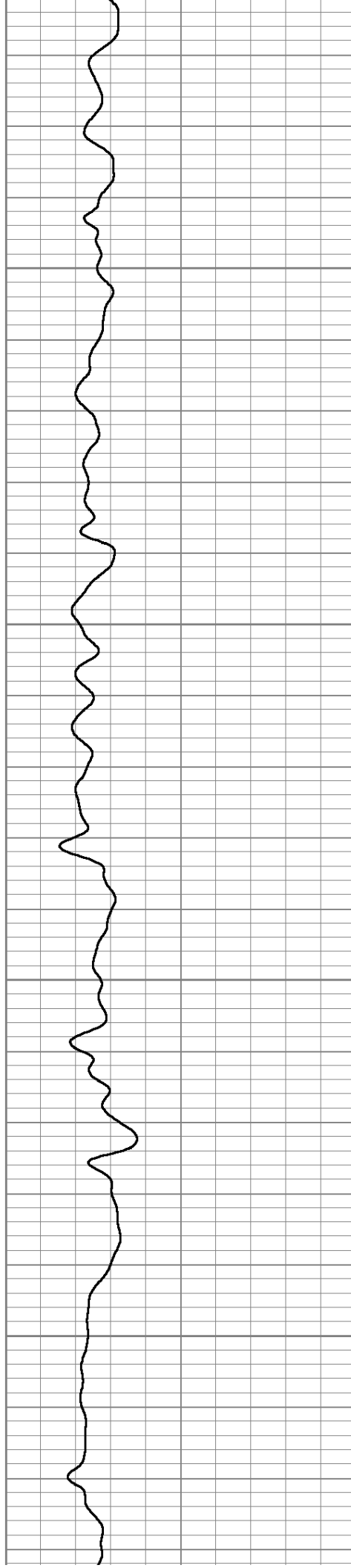


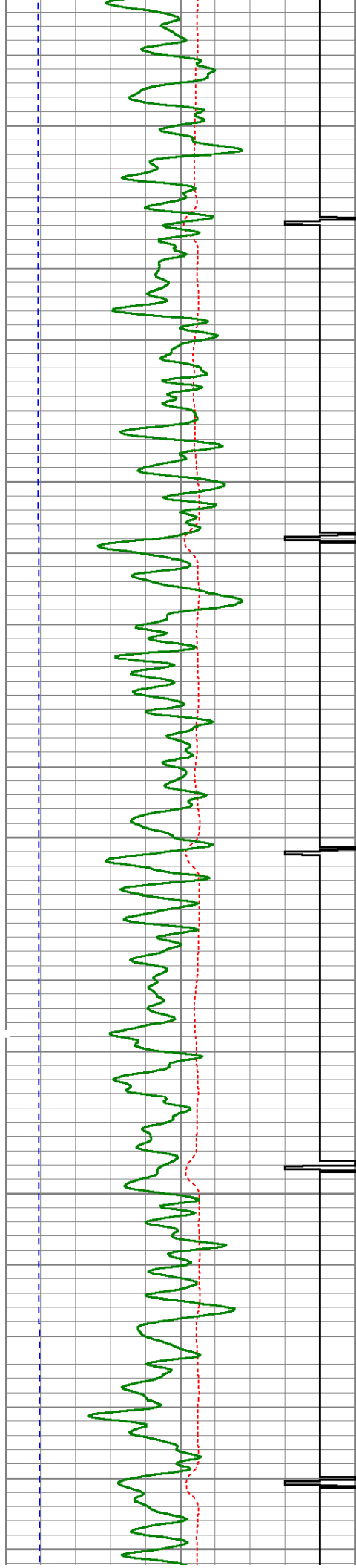
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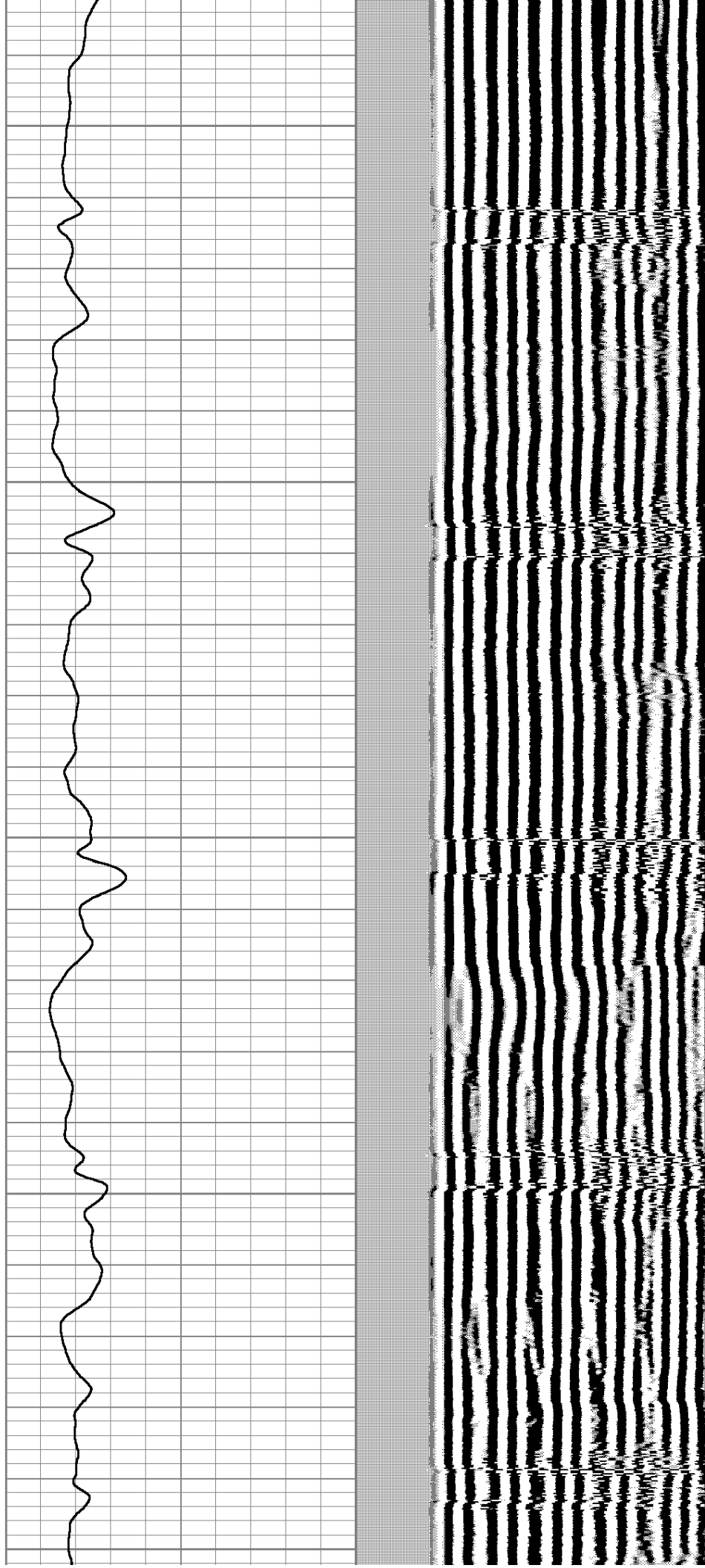
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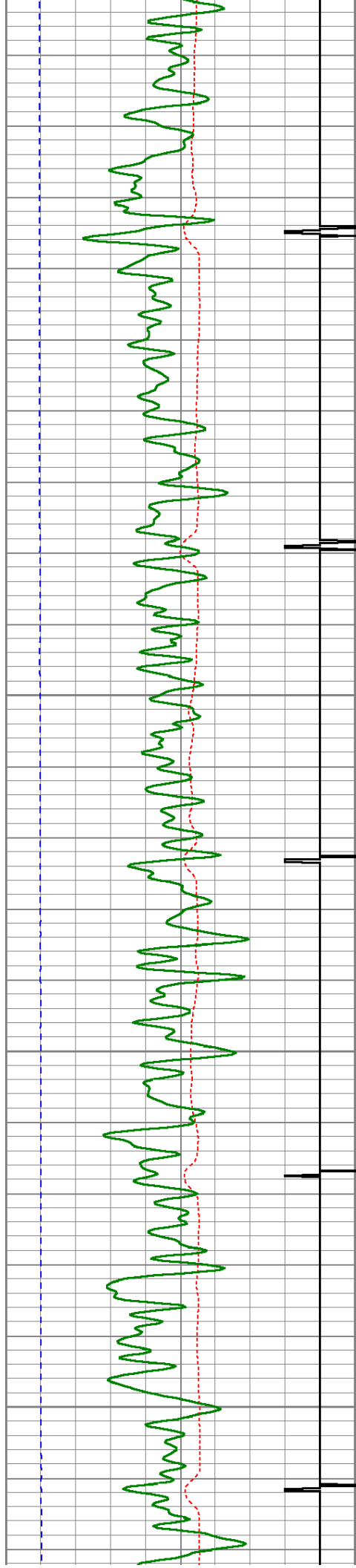
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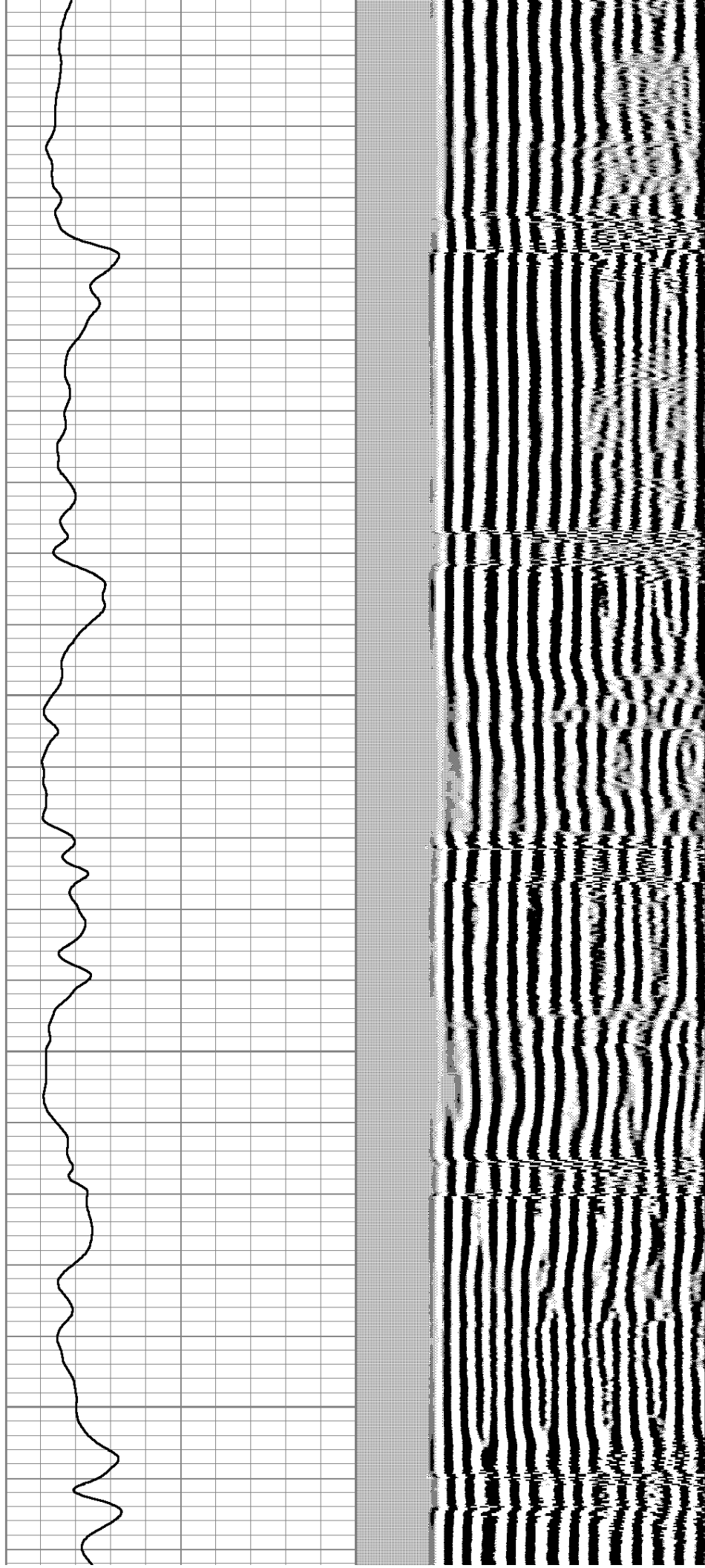


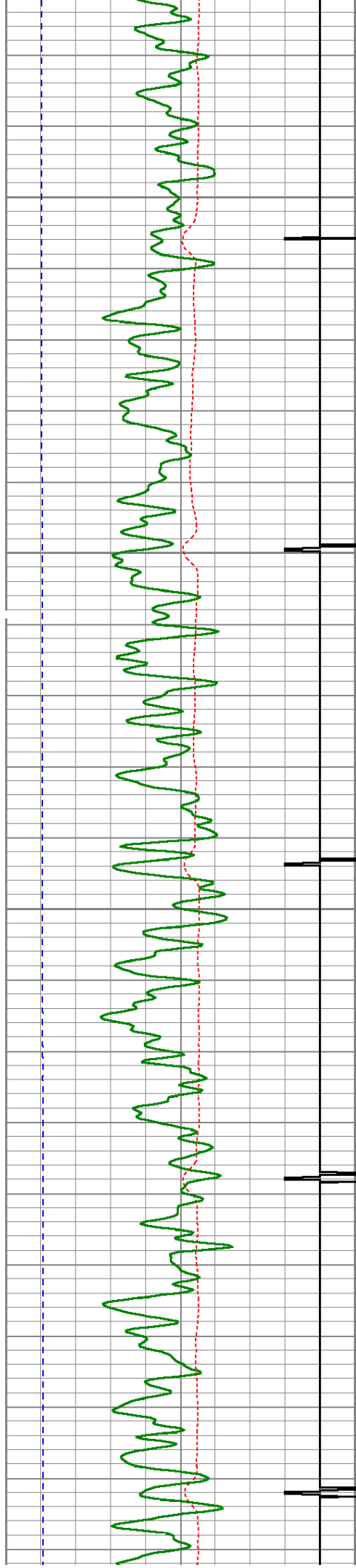
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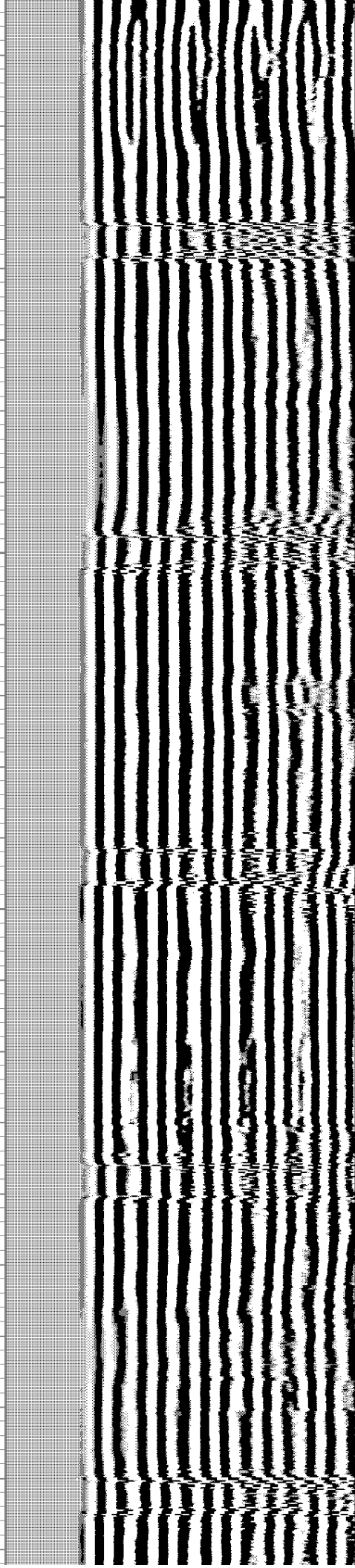
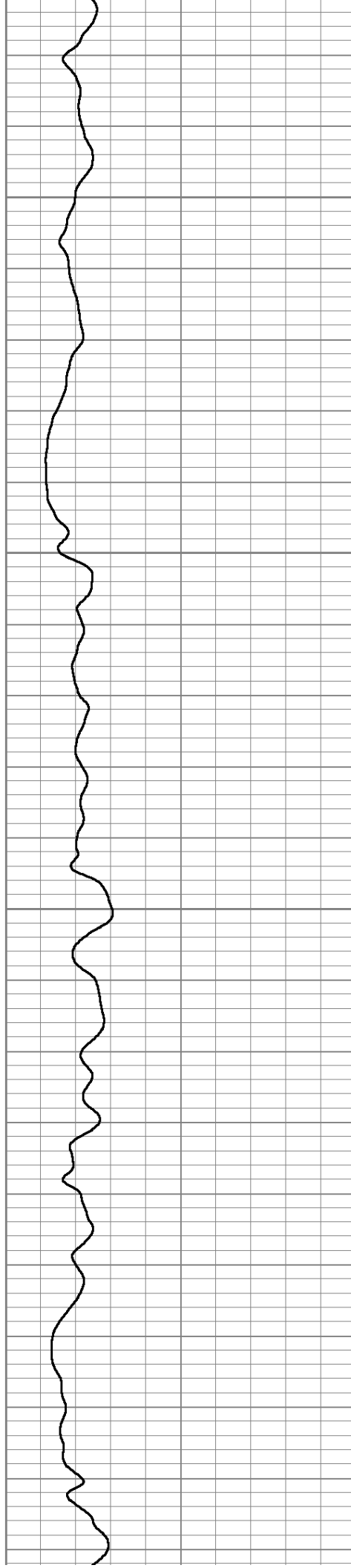


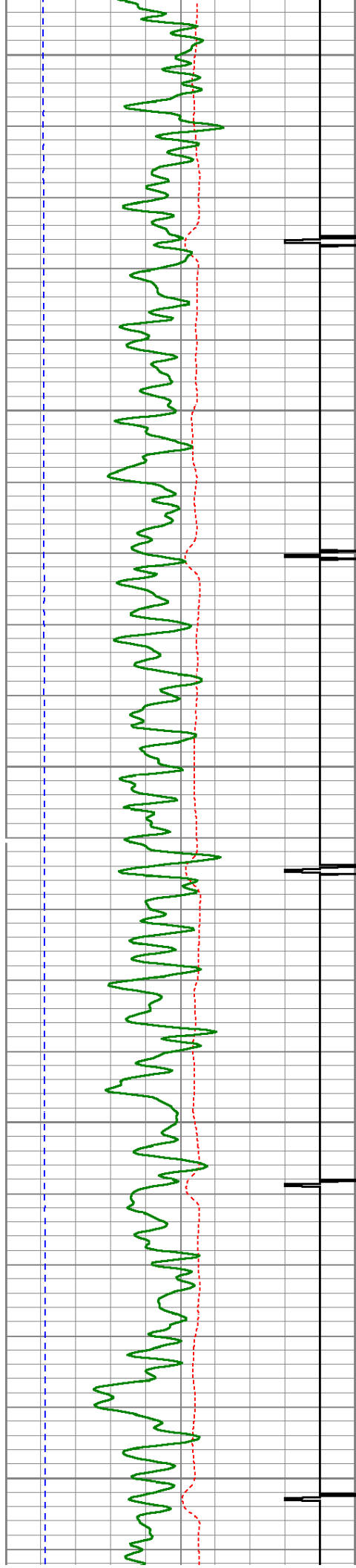
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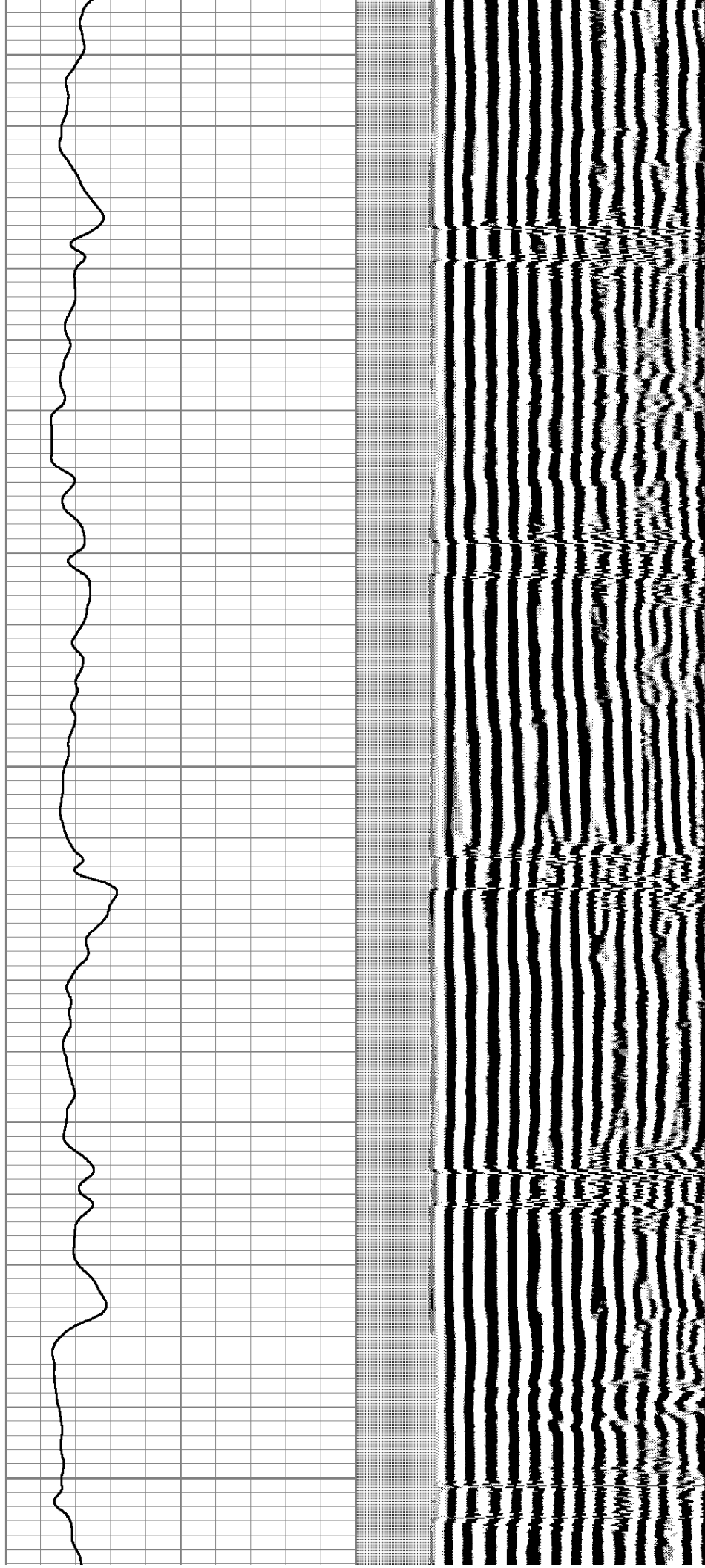
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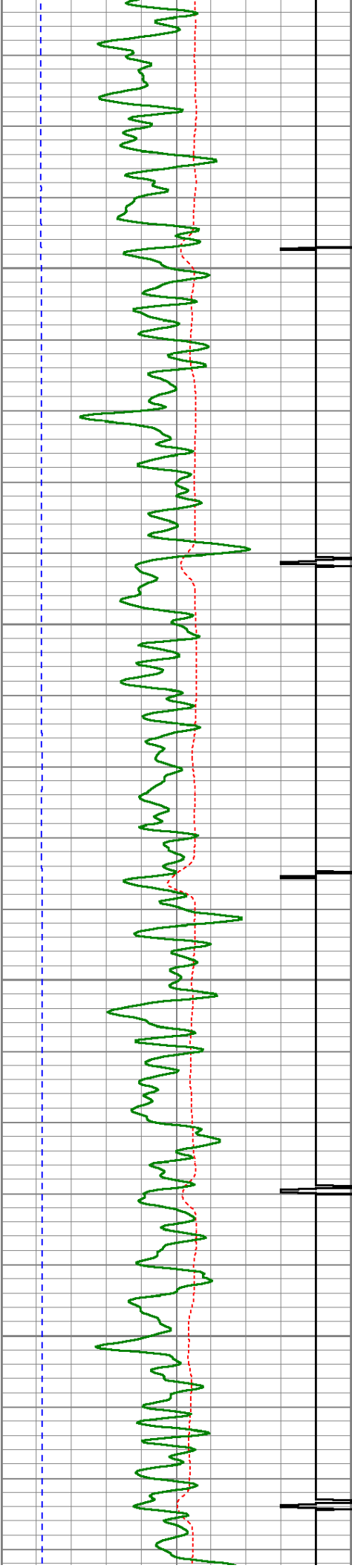
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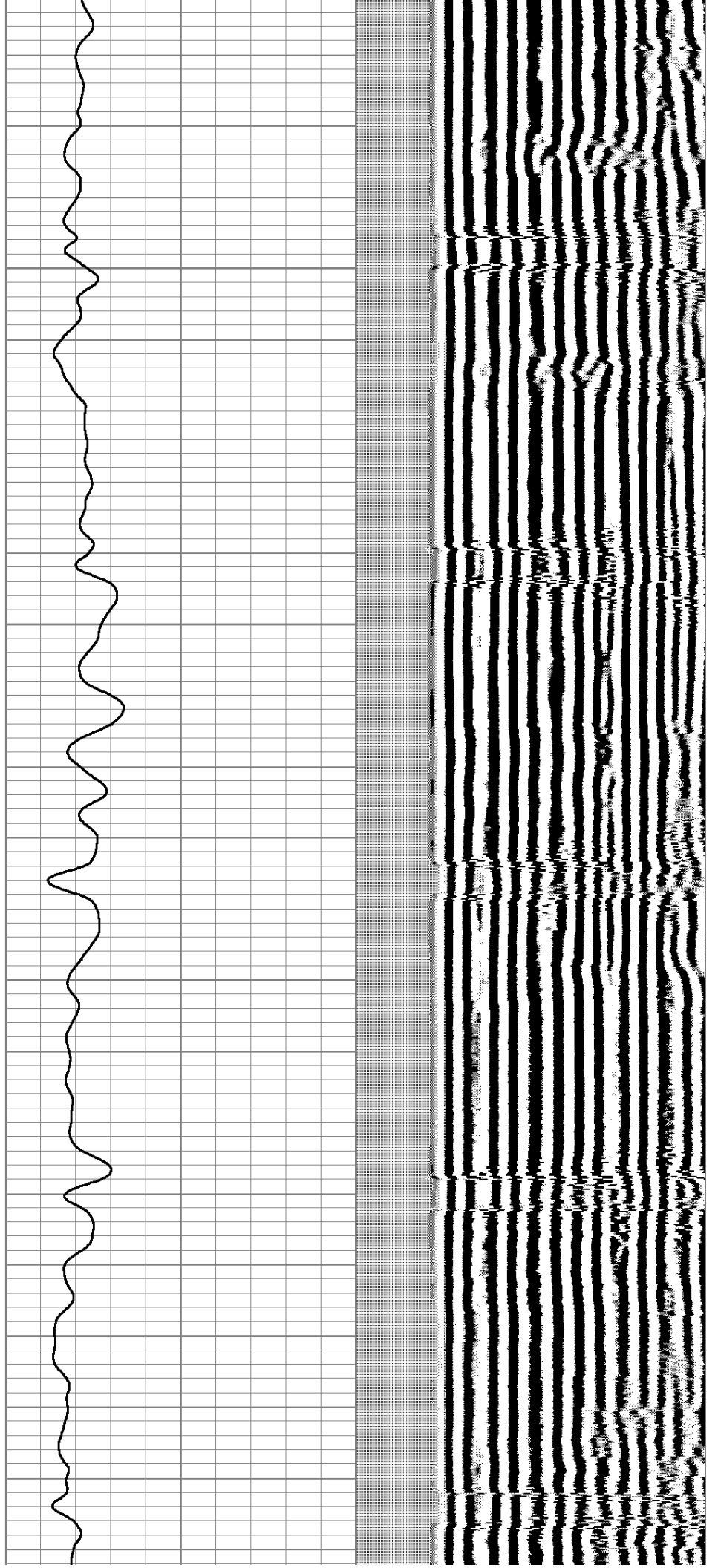


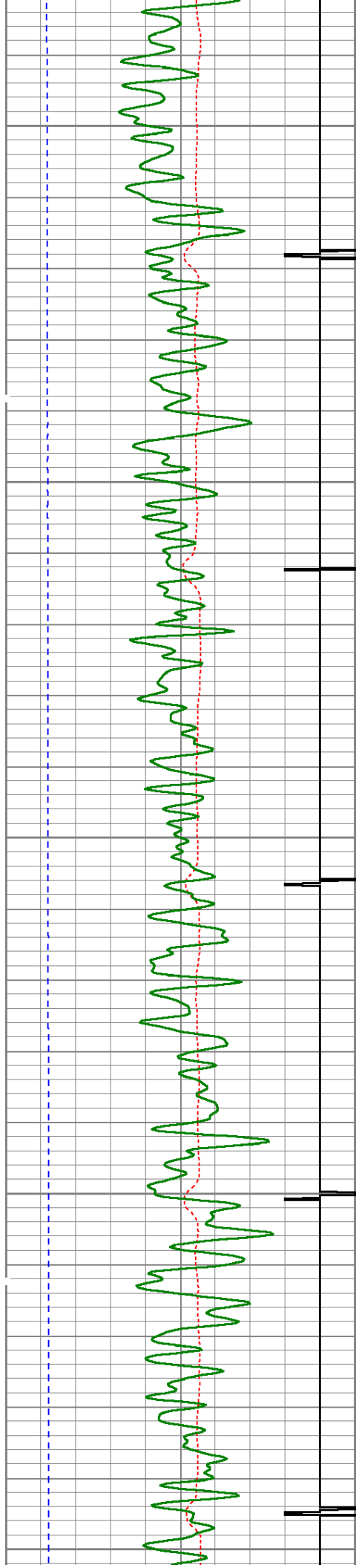
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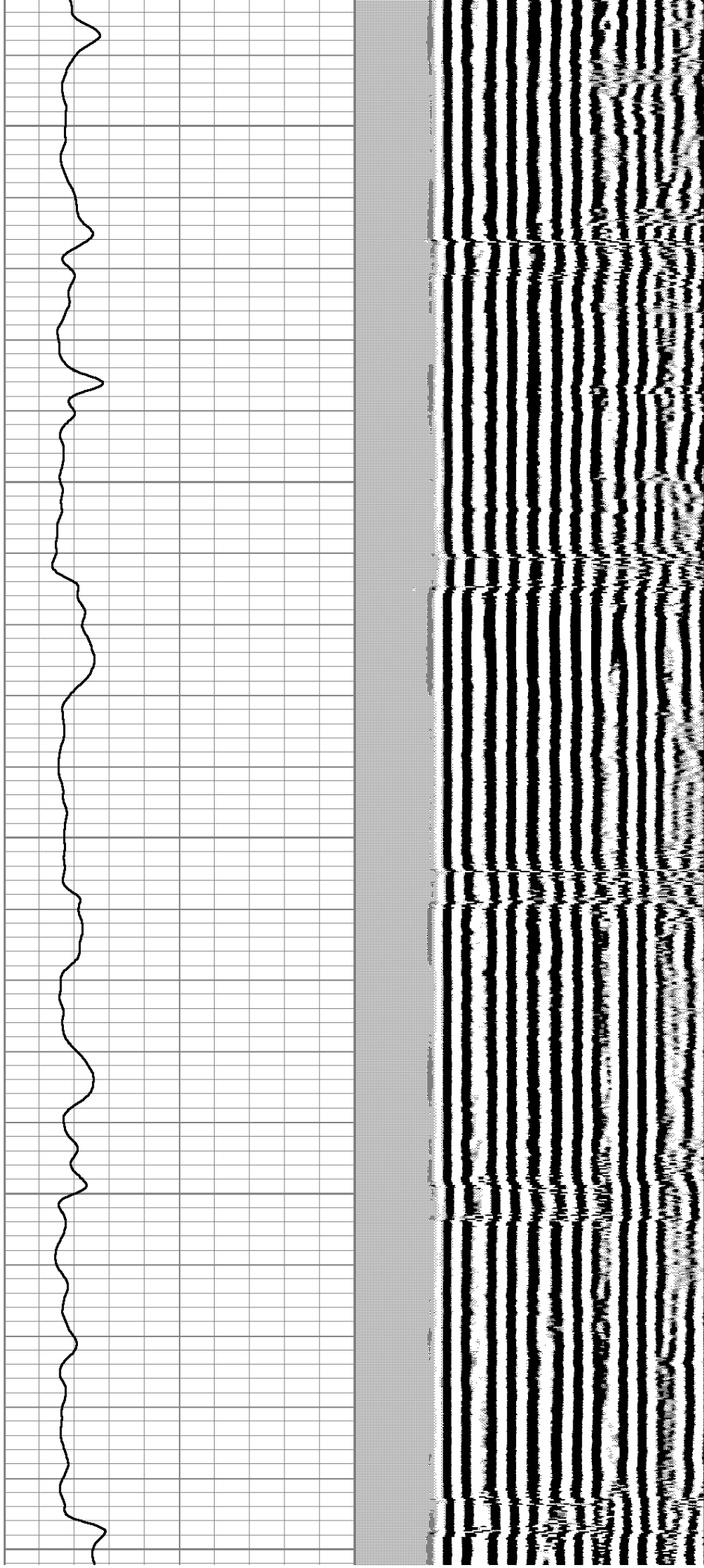
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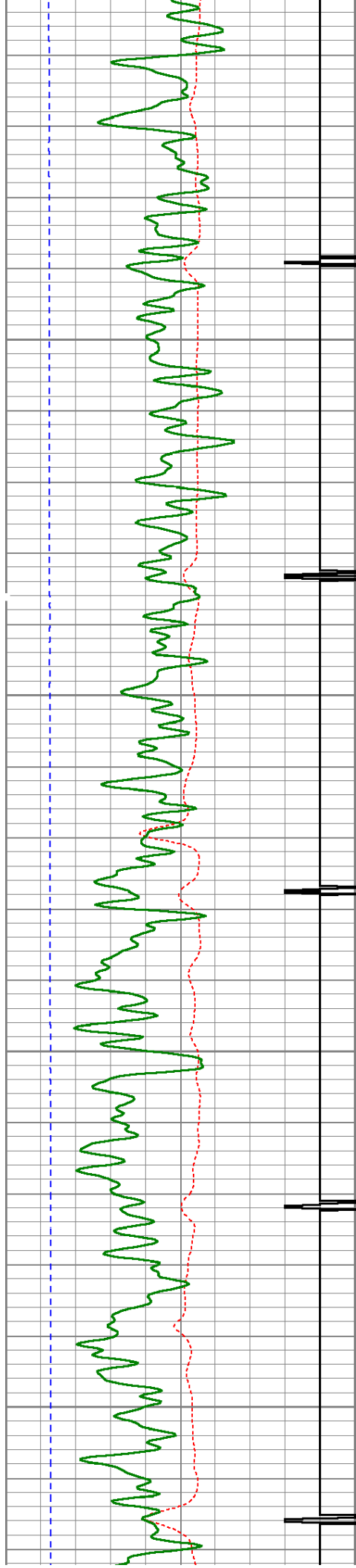
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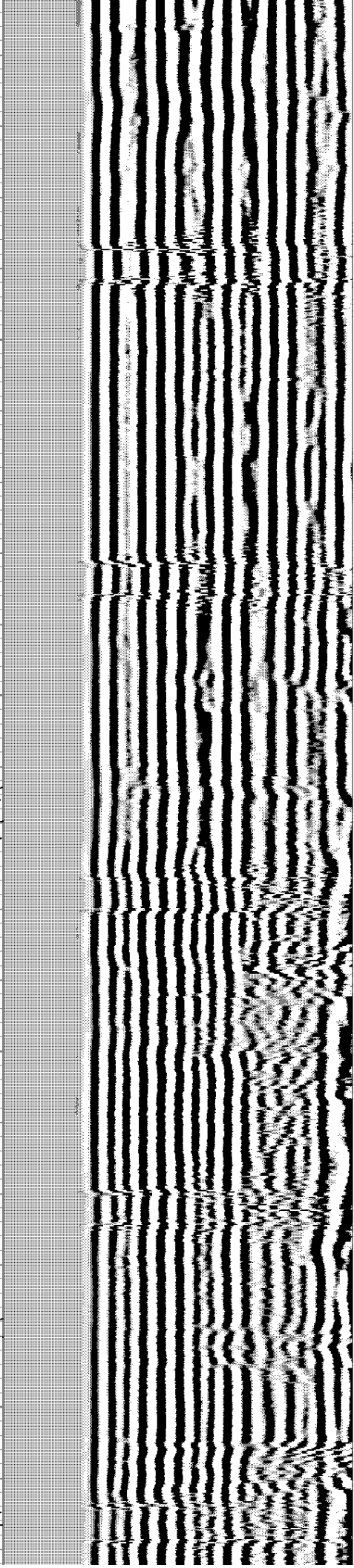
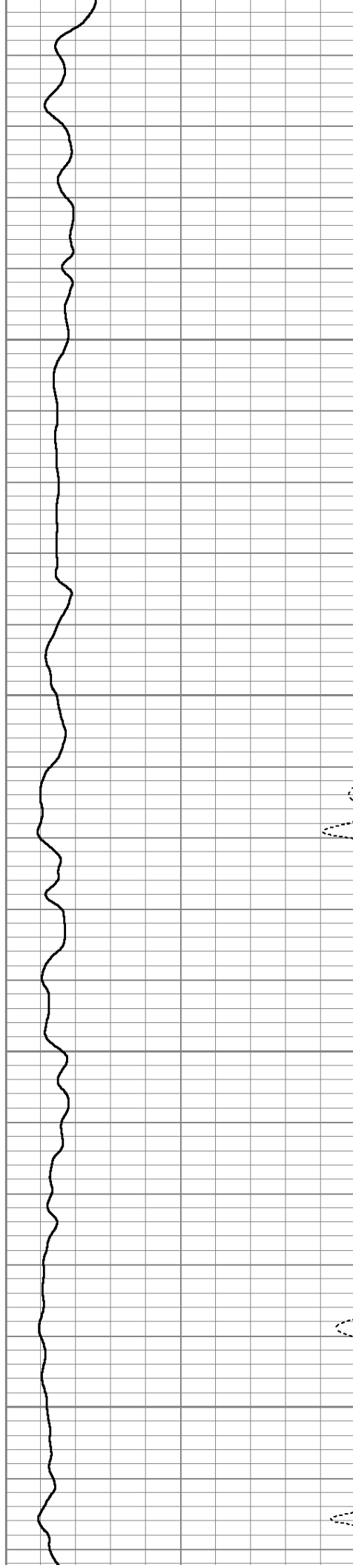


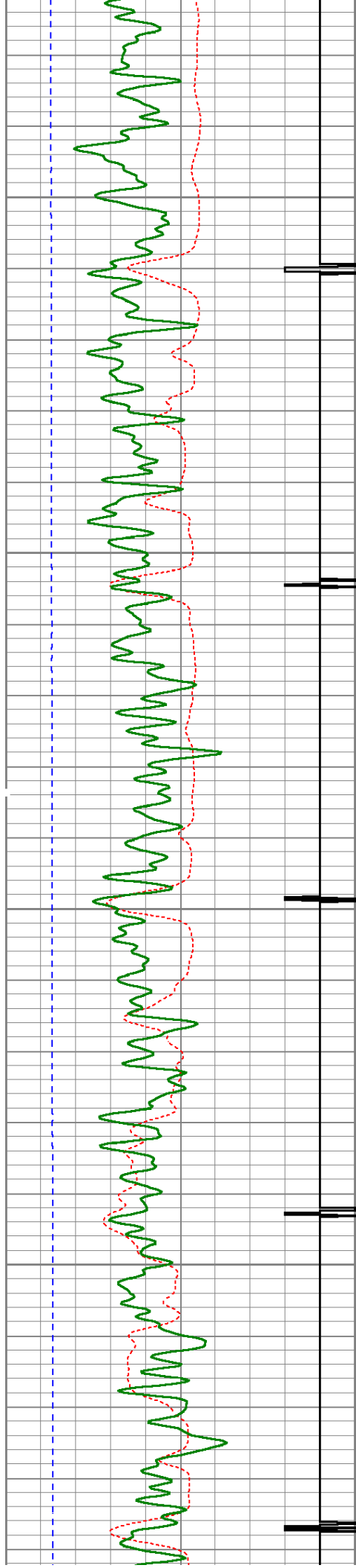
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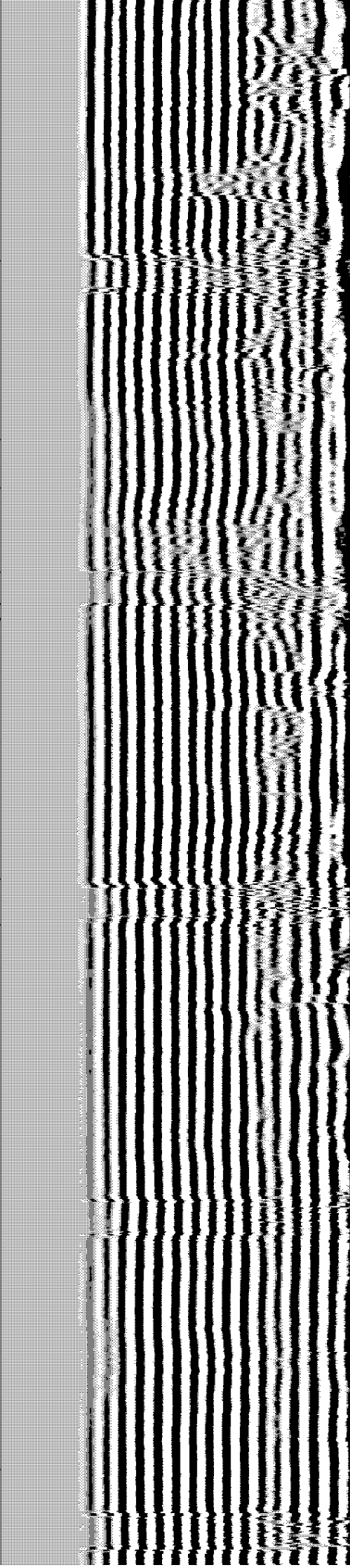
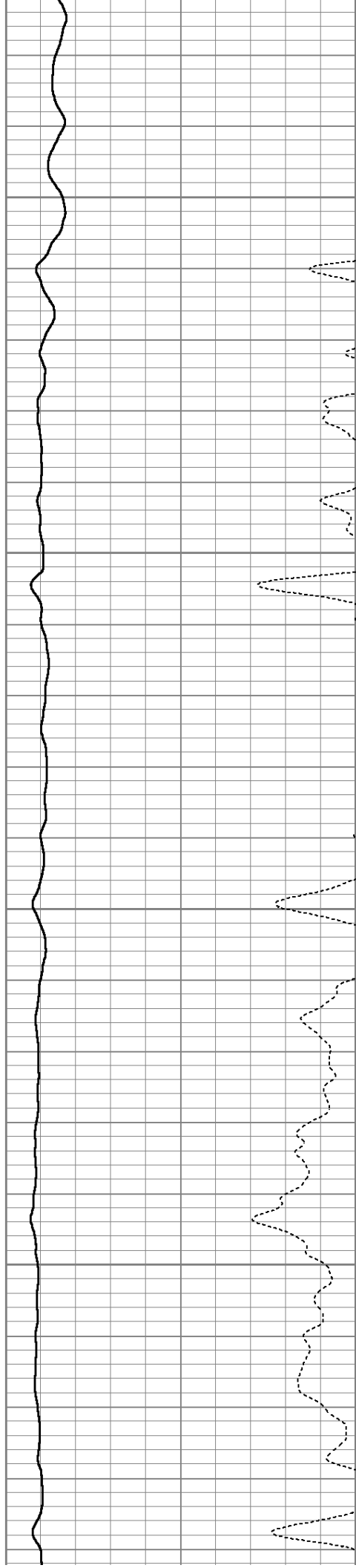


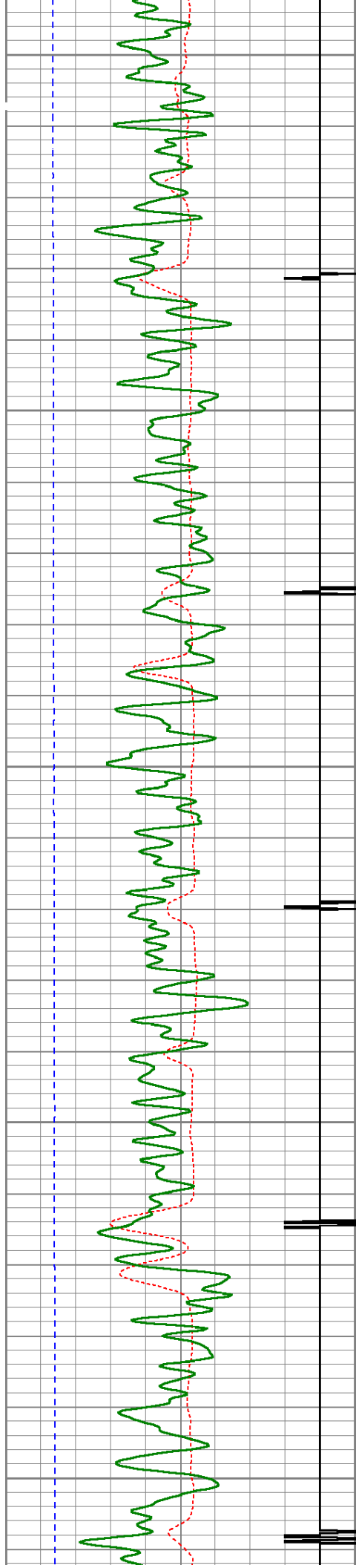
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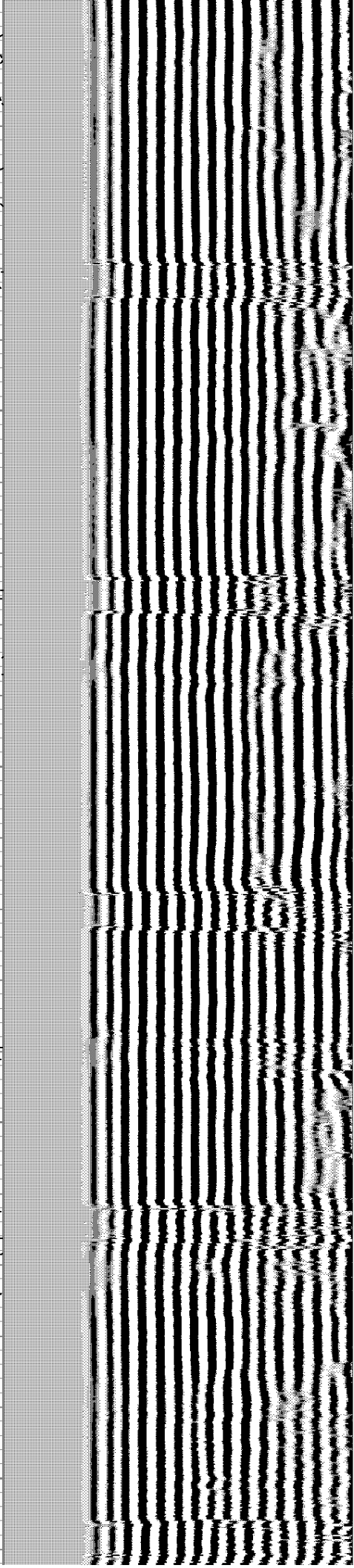
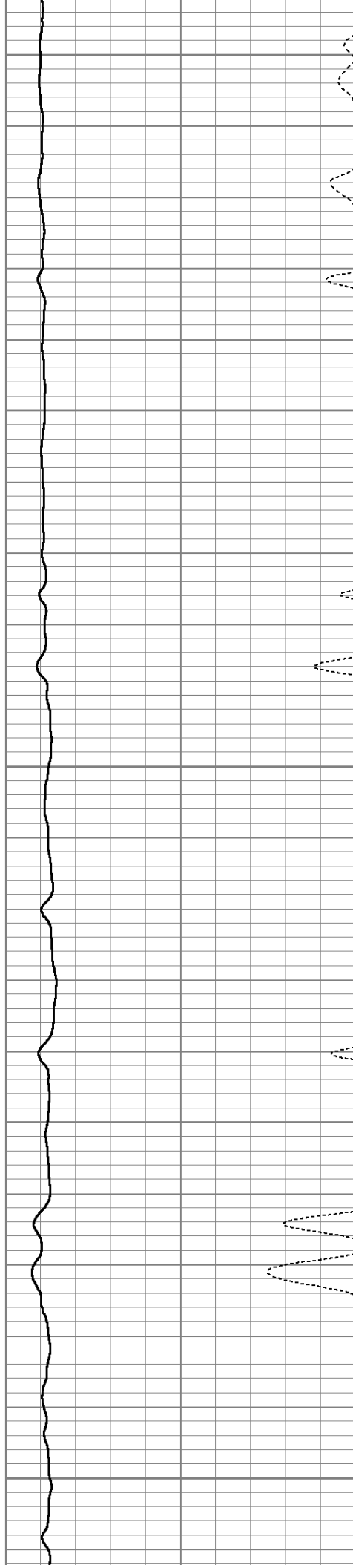
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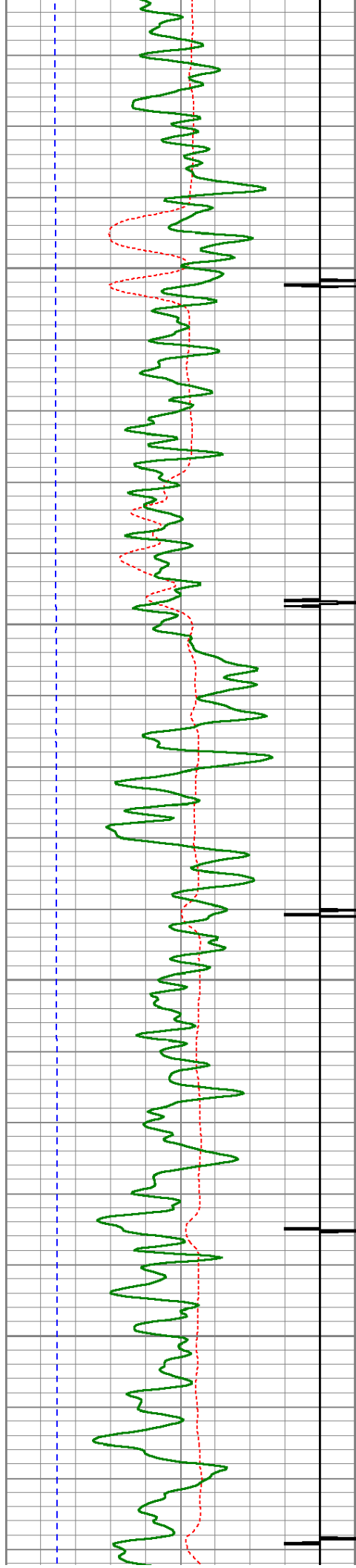
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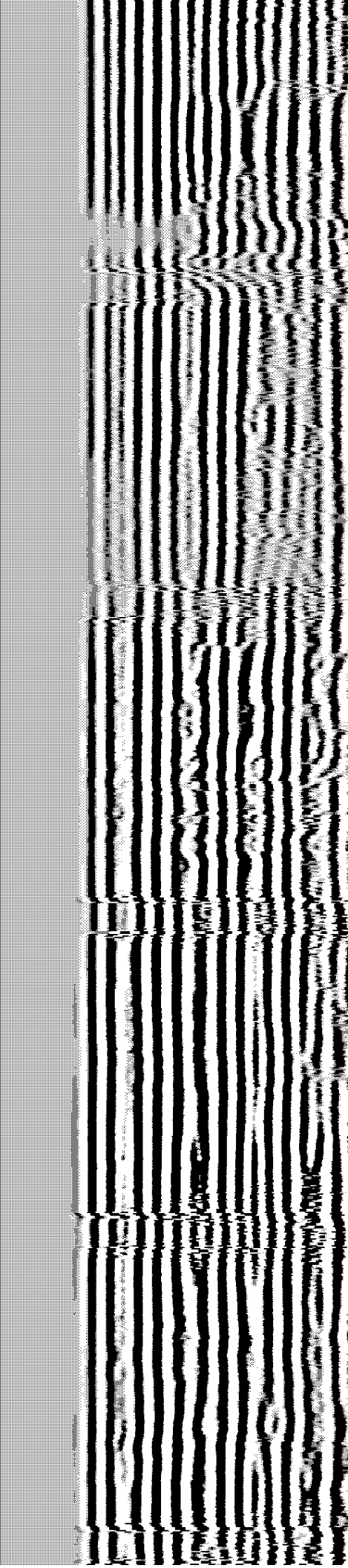
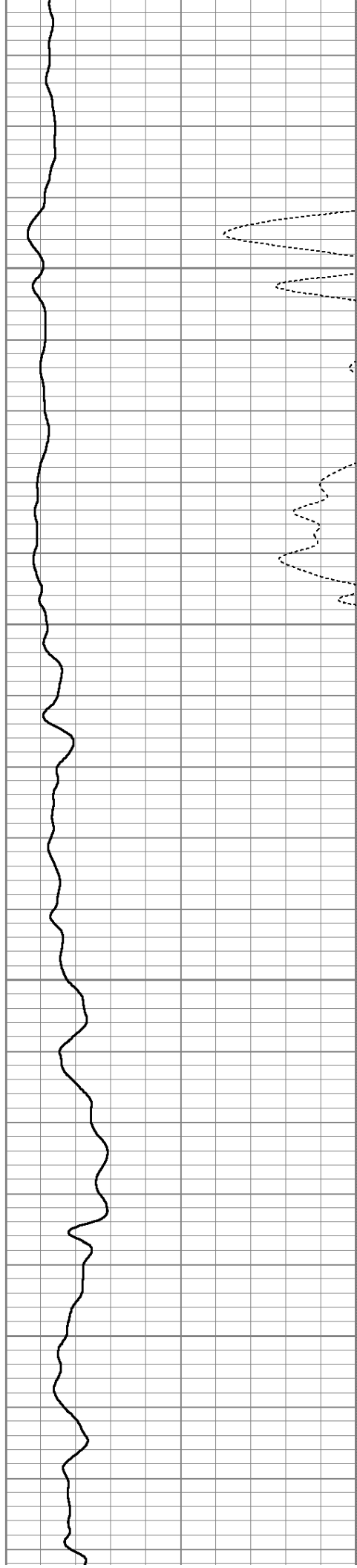


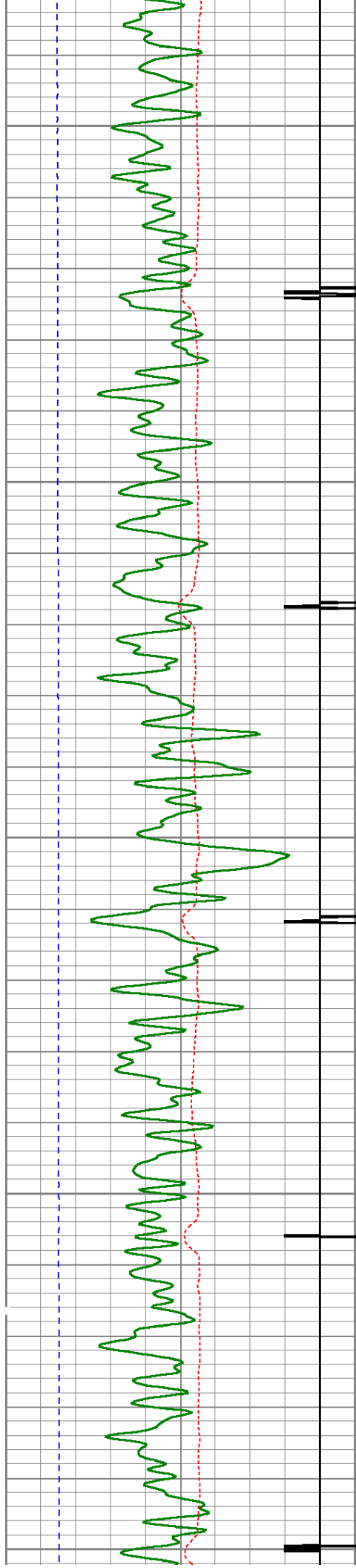
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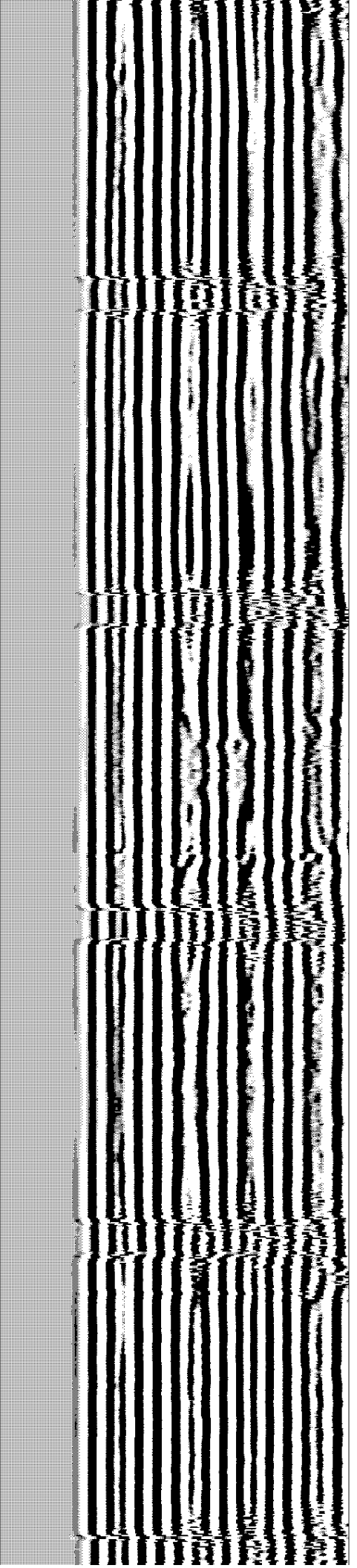
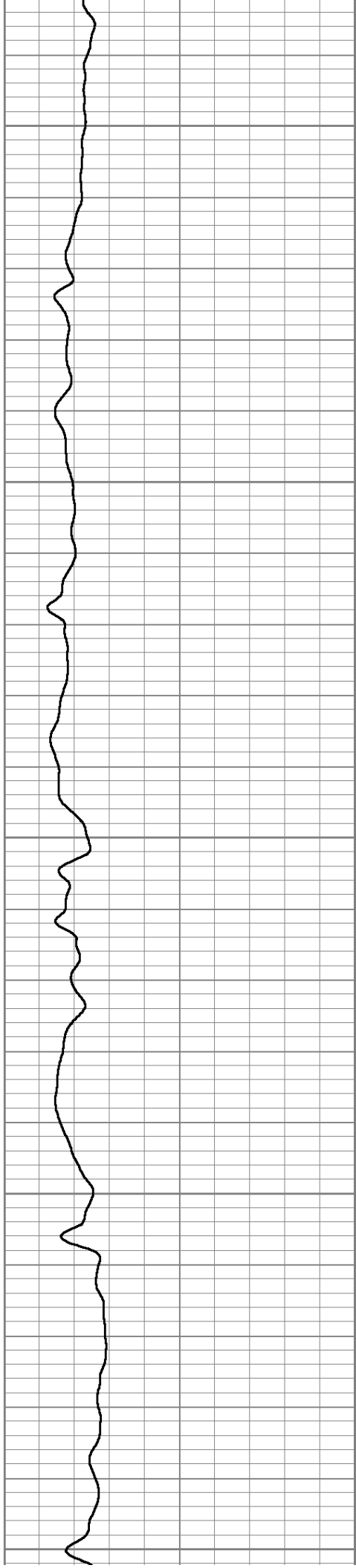
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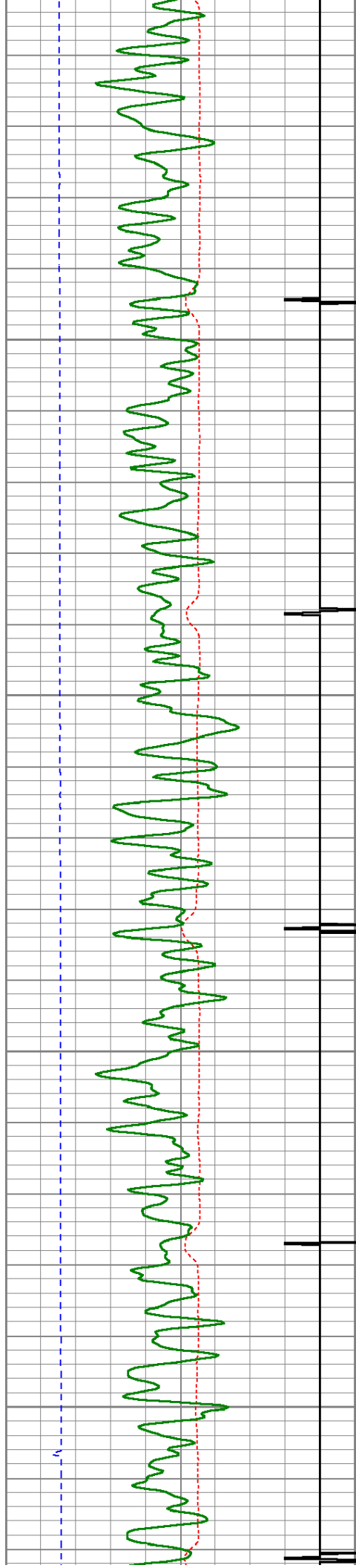
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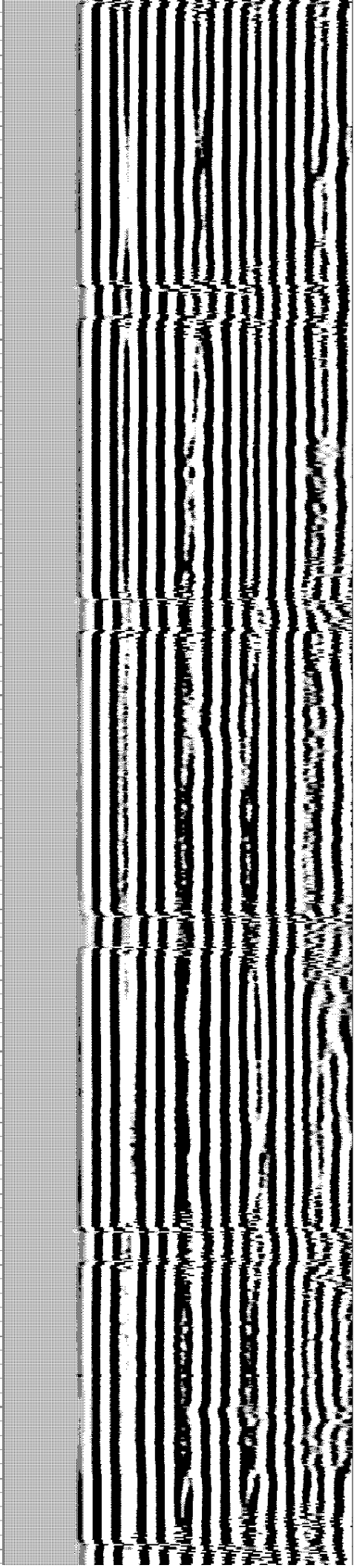
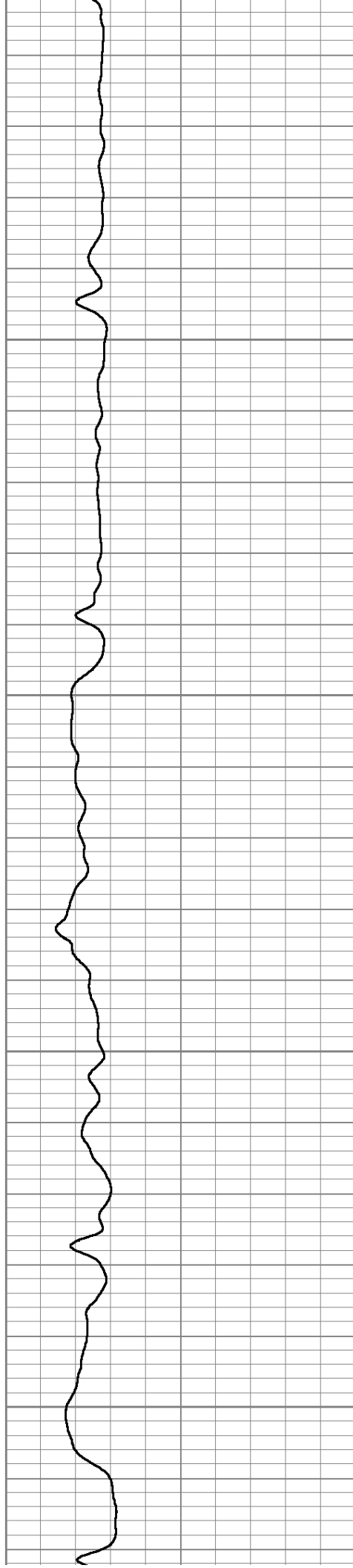


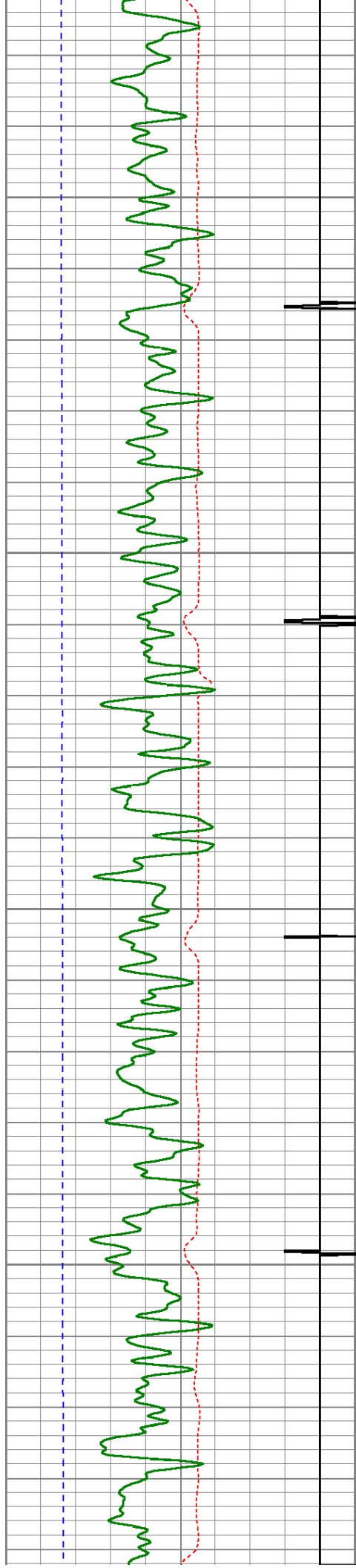
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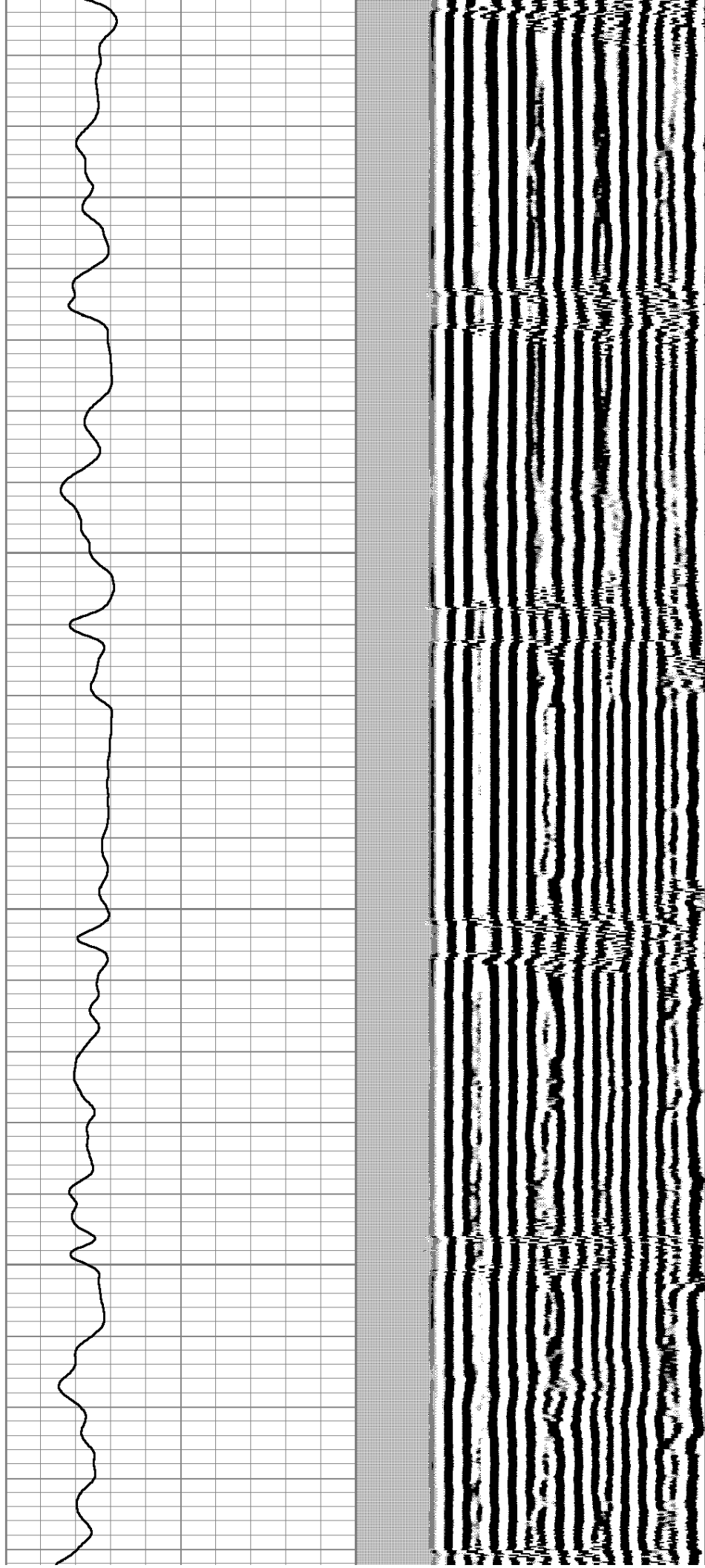


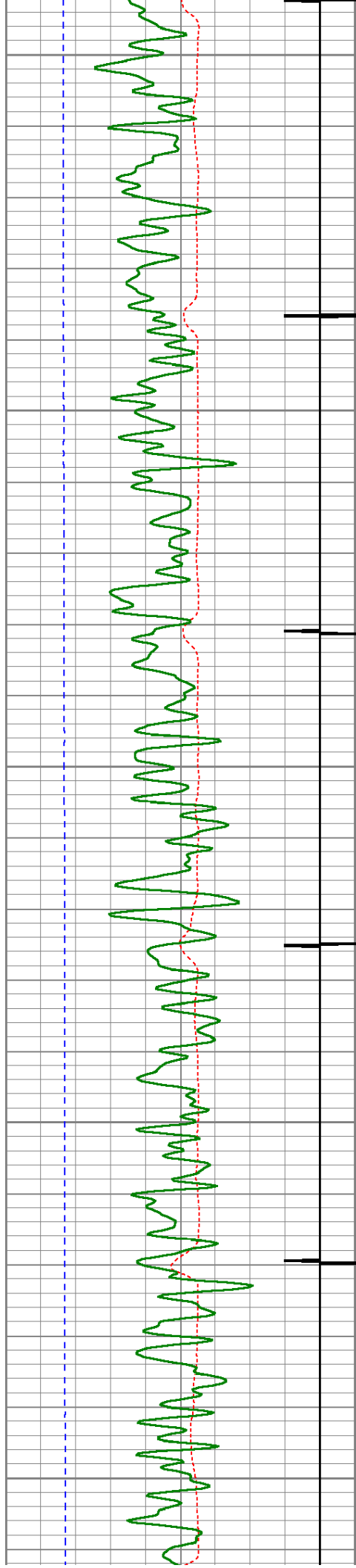
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4750





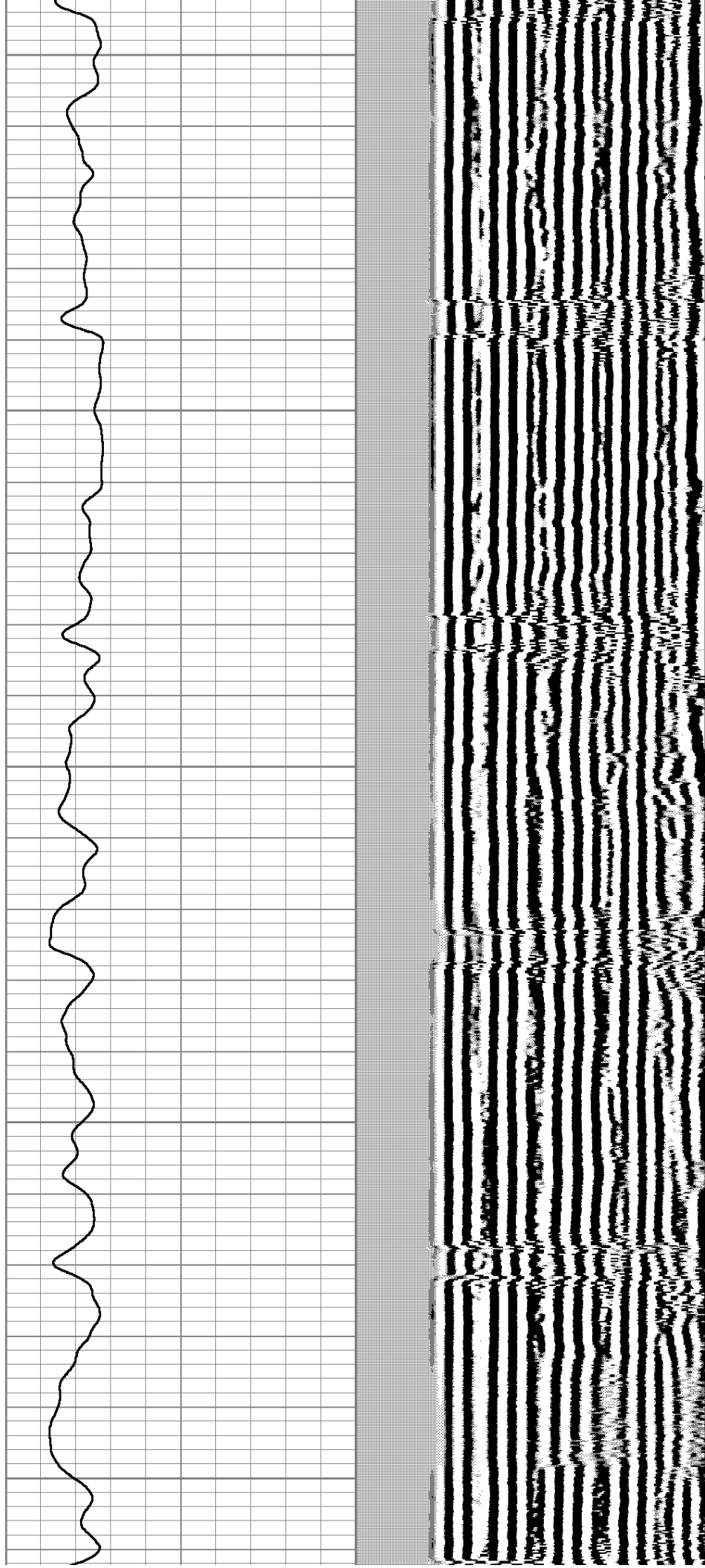
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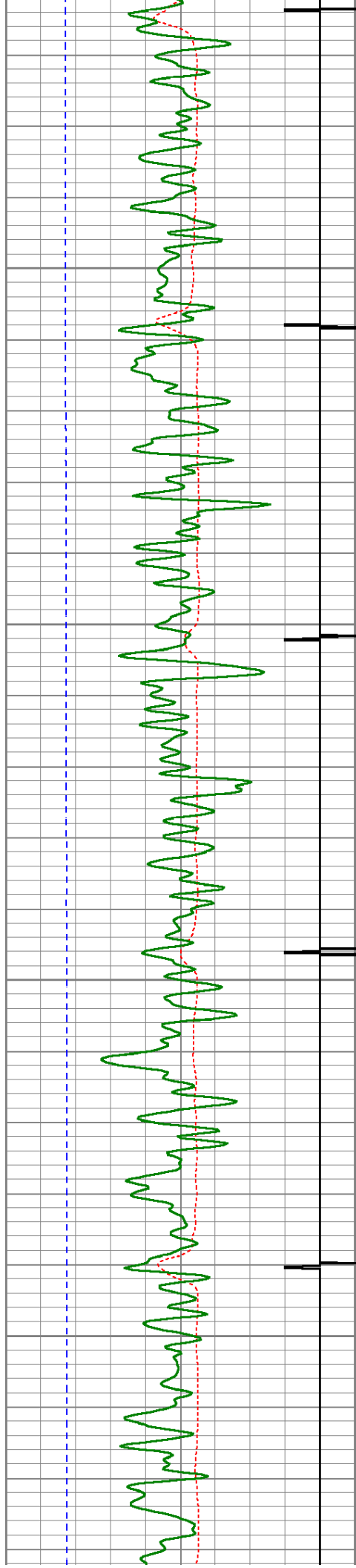
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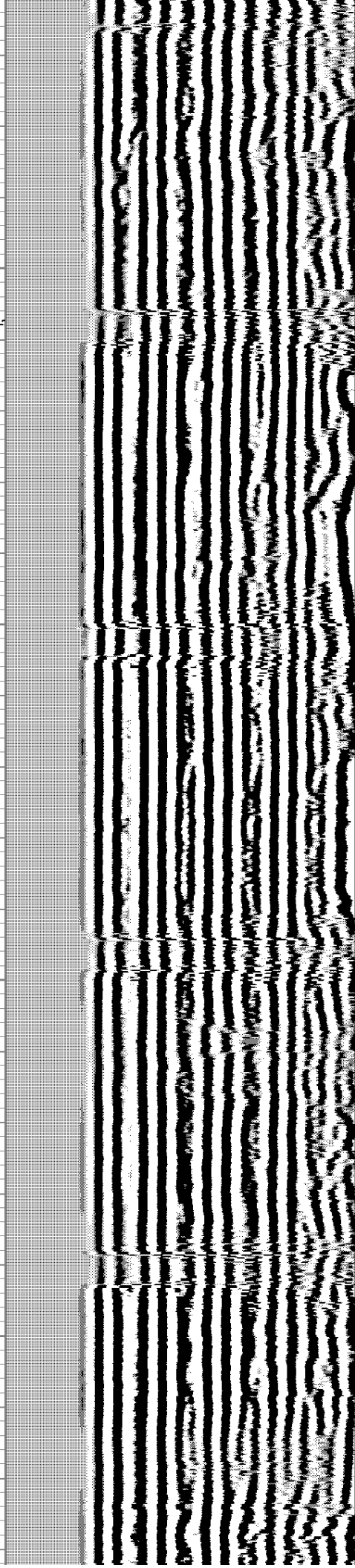
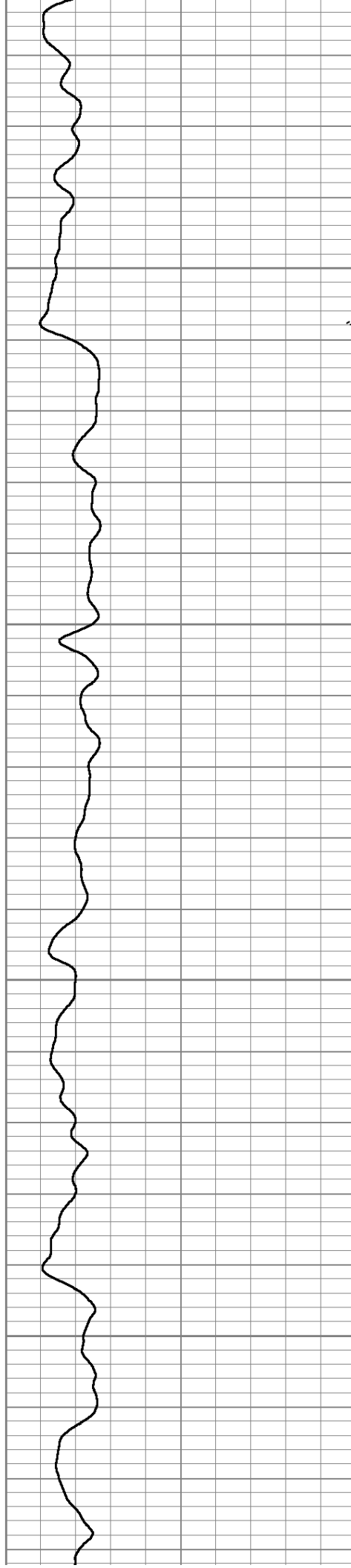


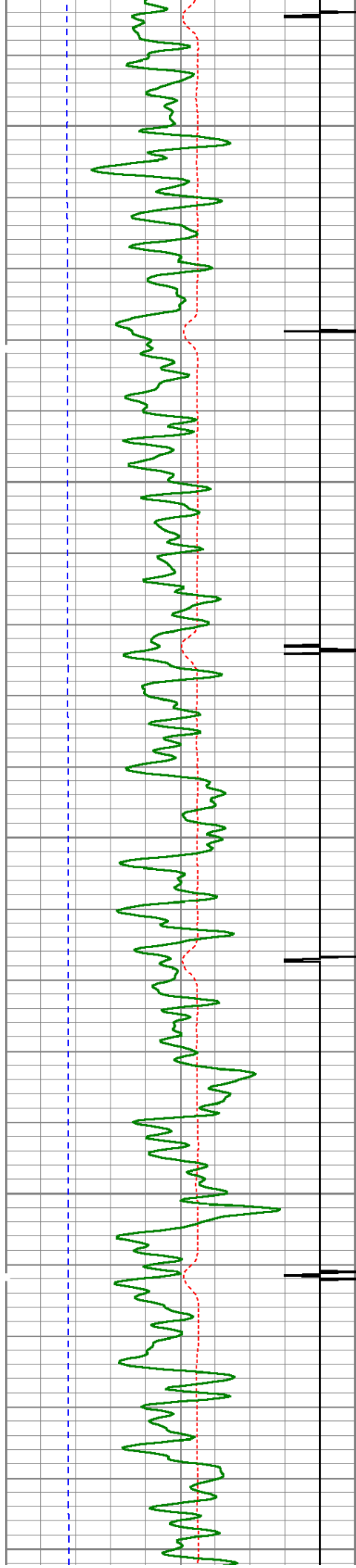
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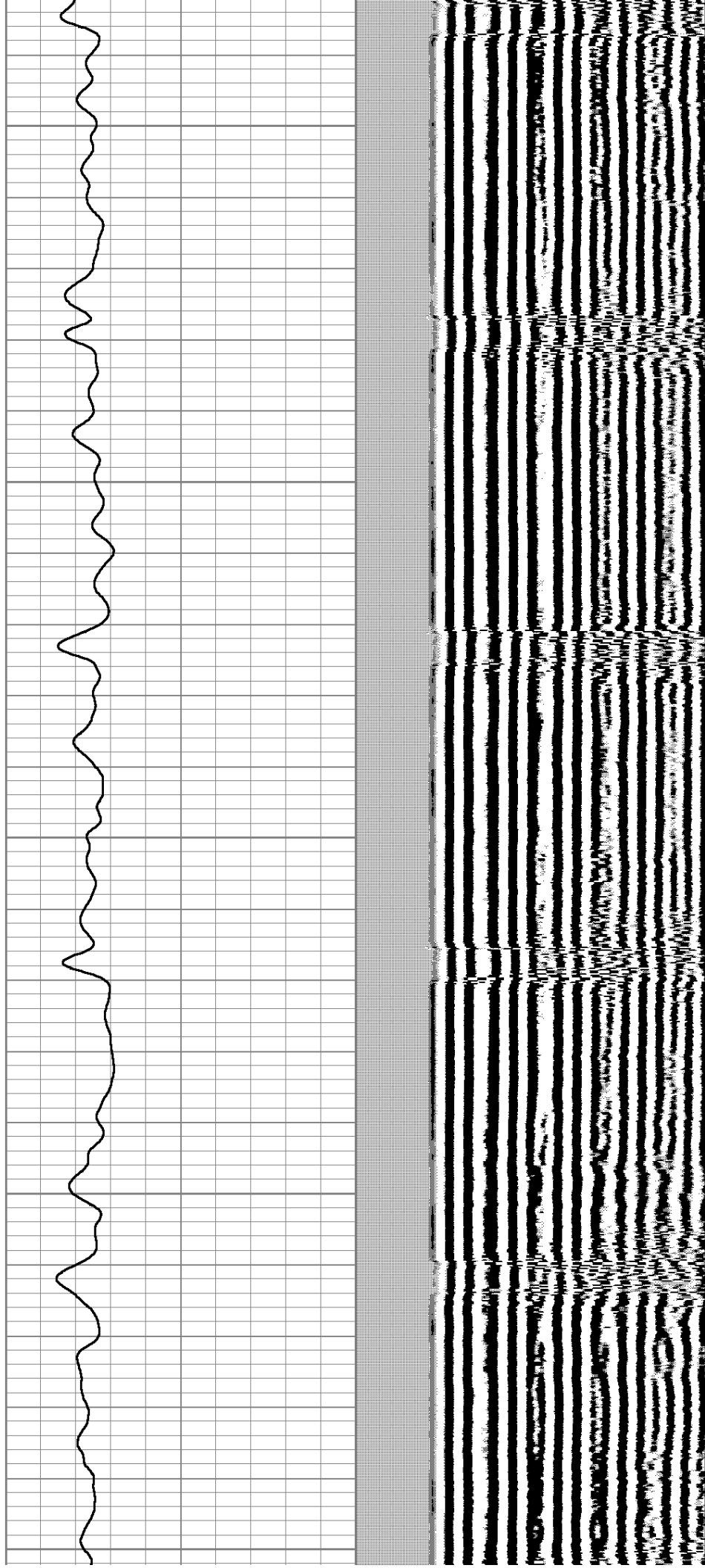
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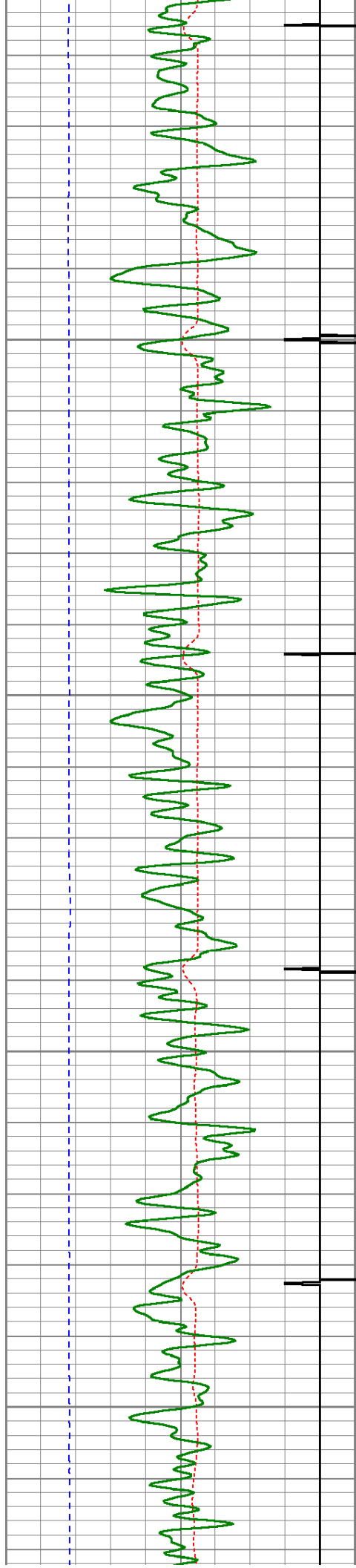
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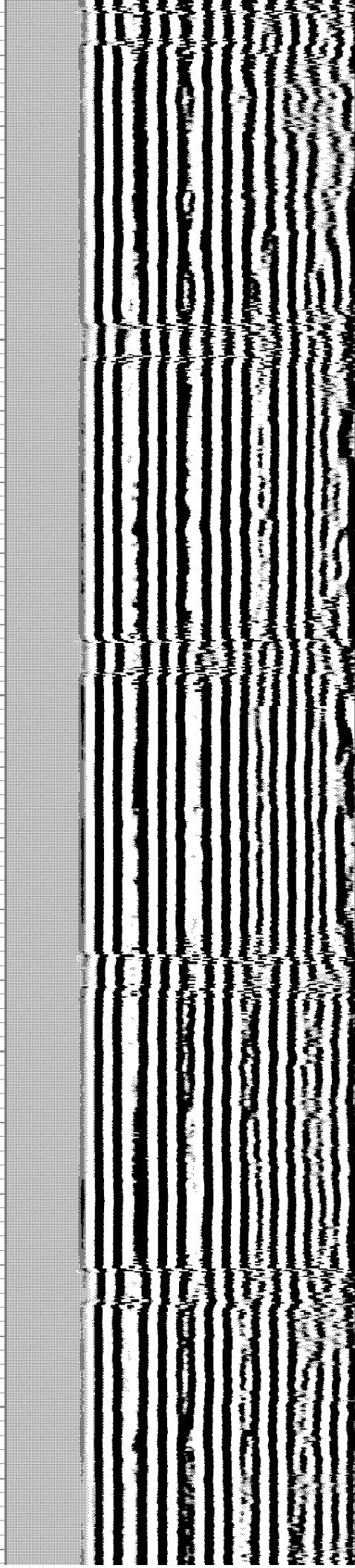
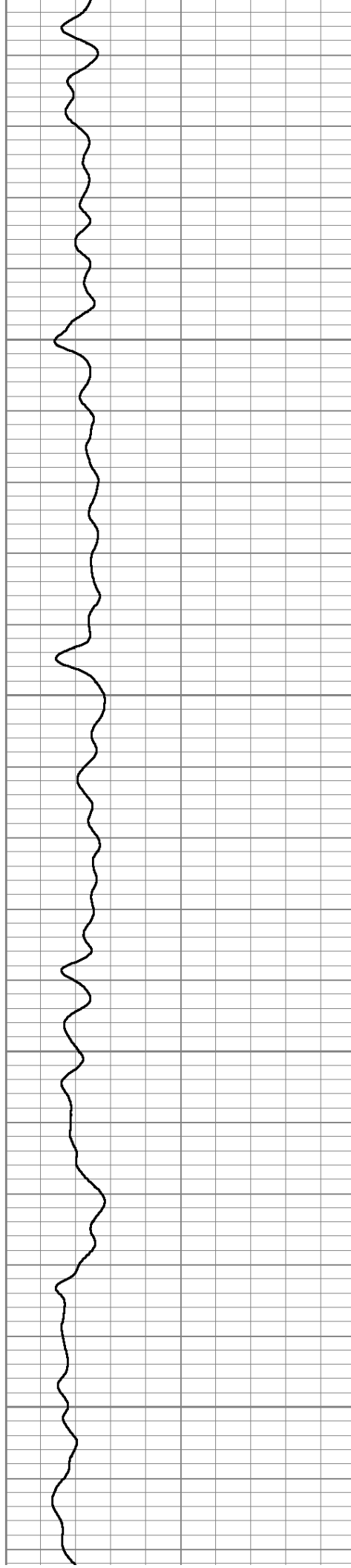


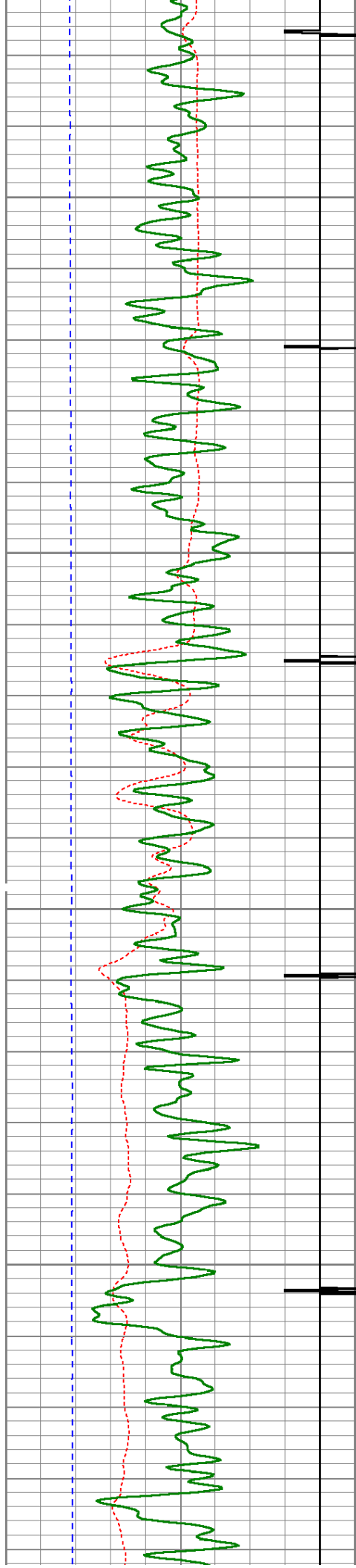
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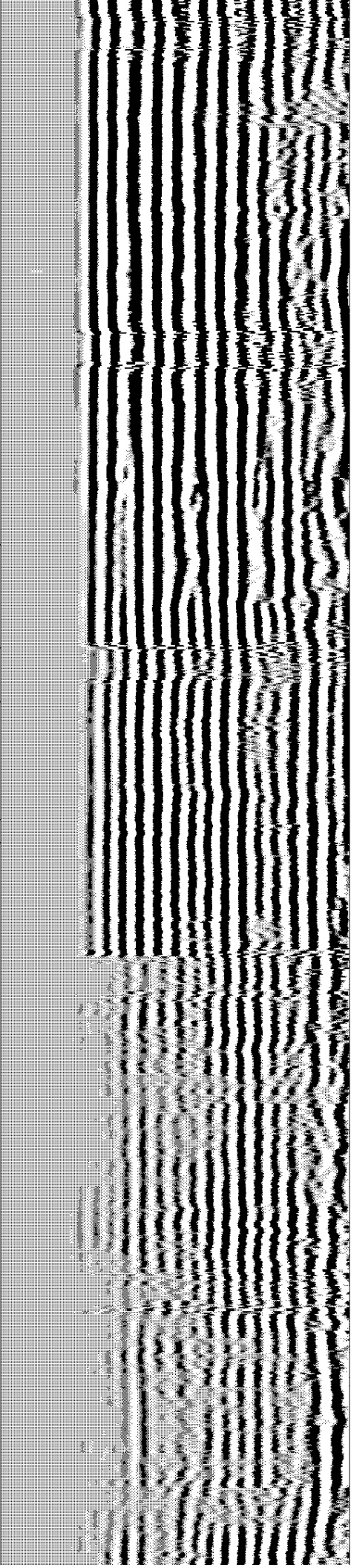
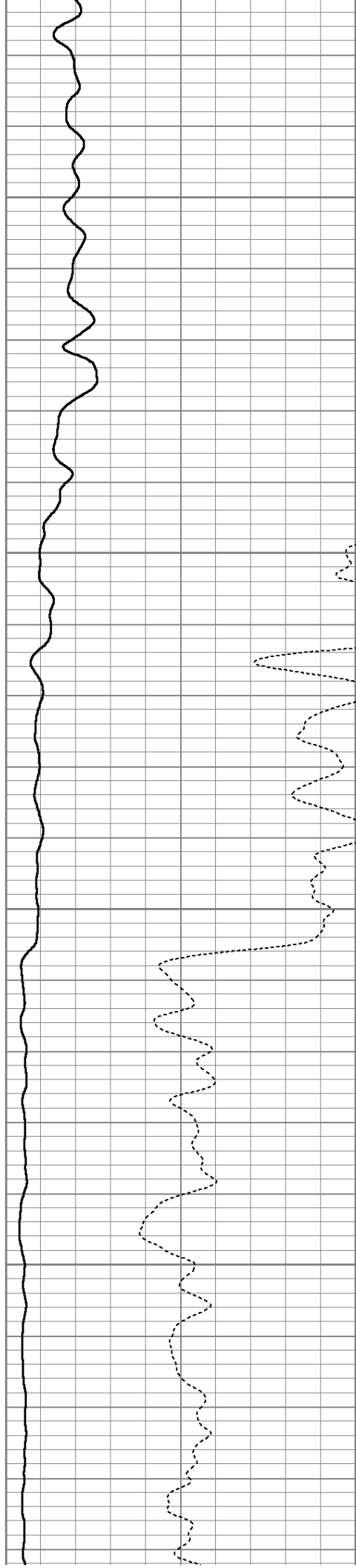


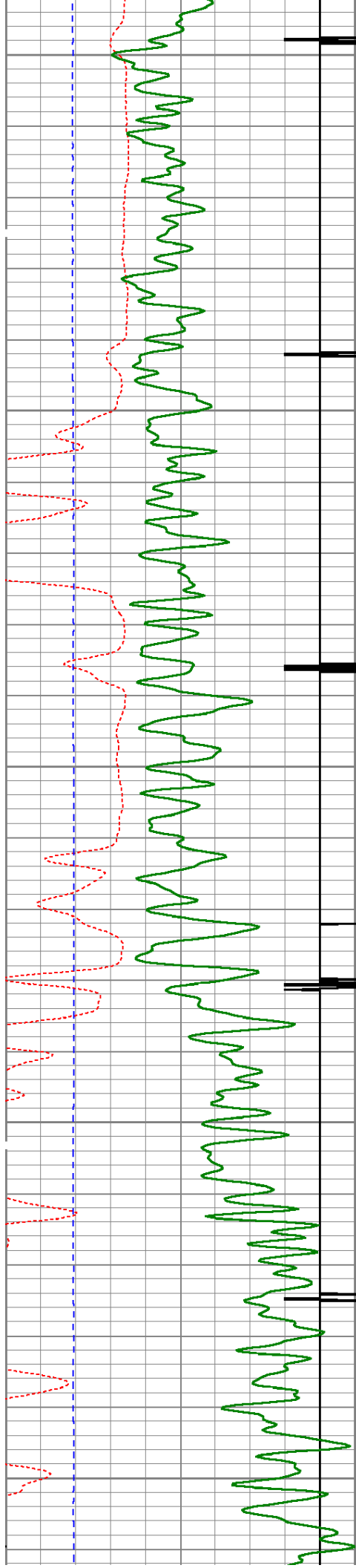
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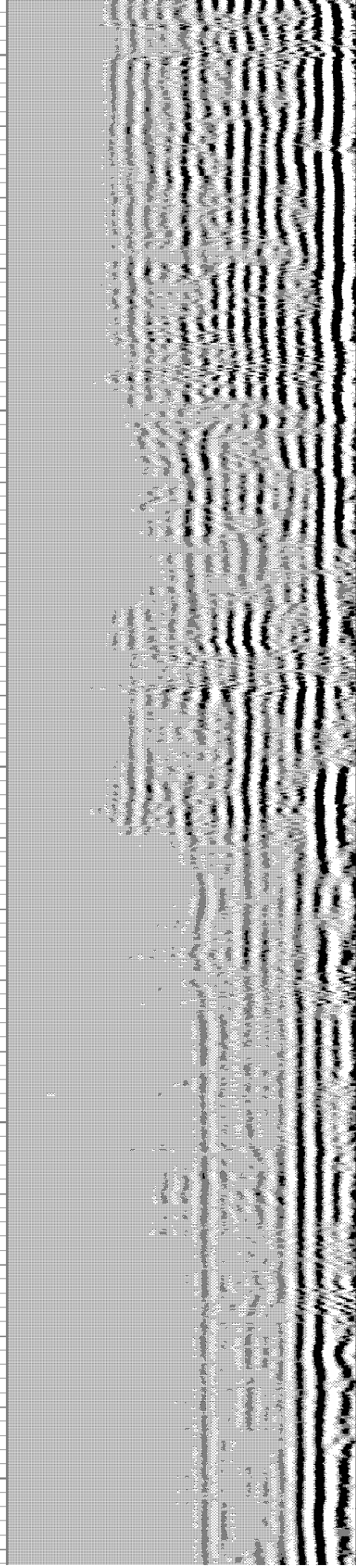
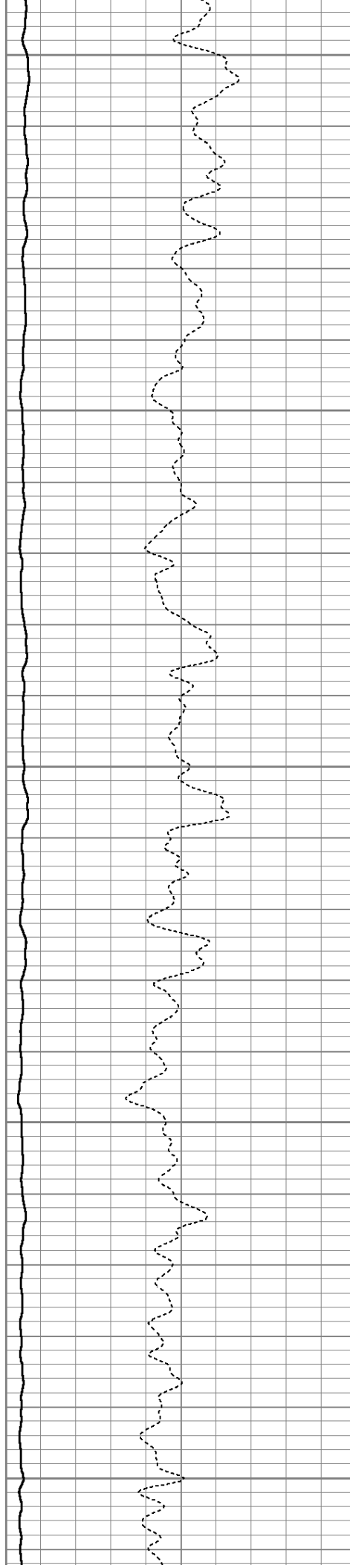
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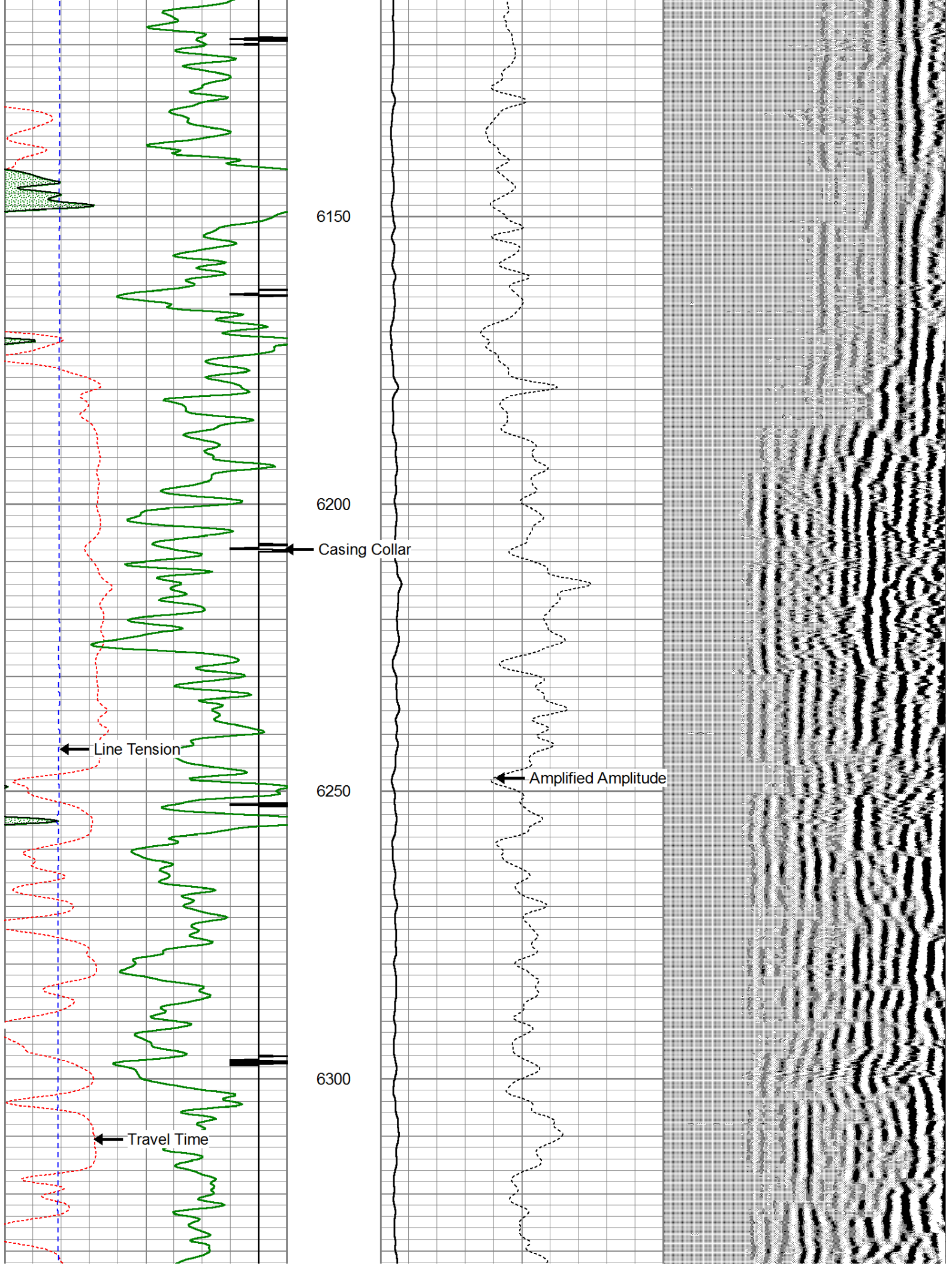
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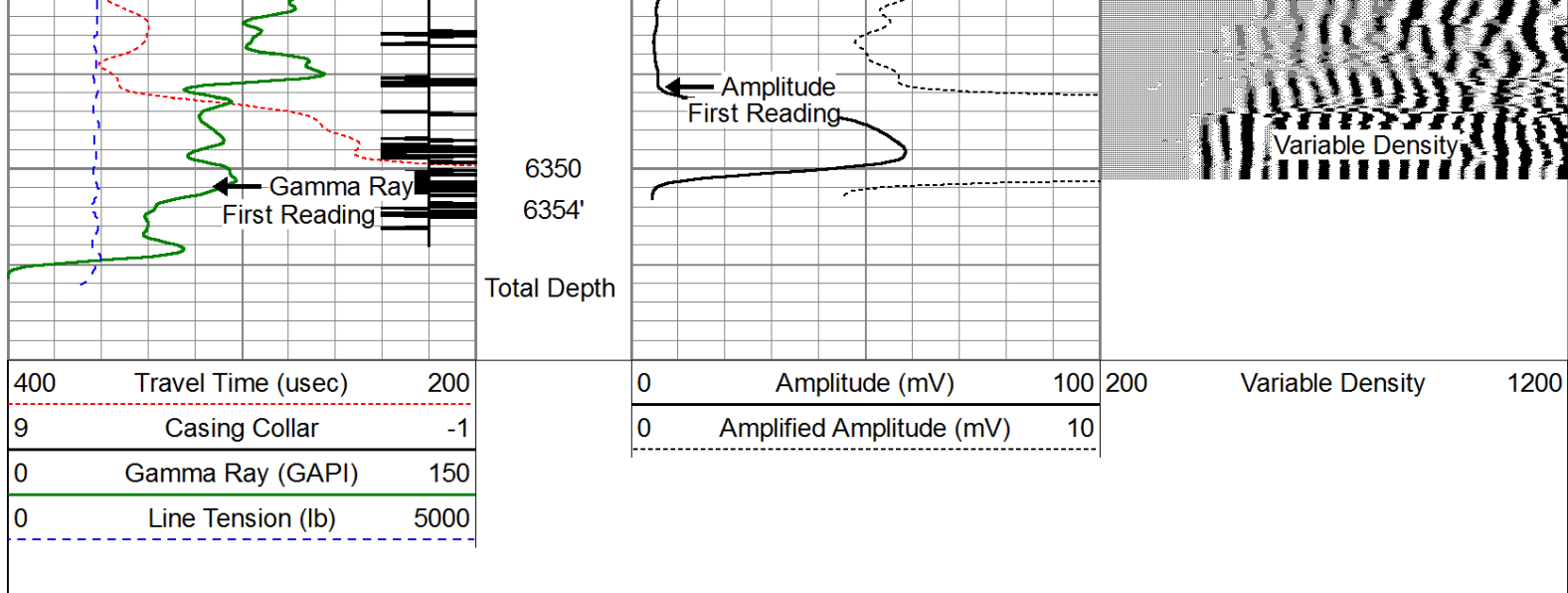
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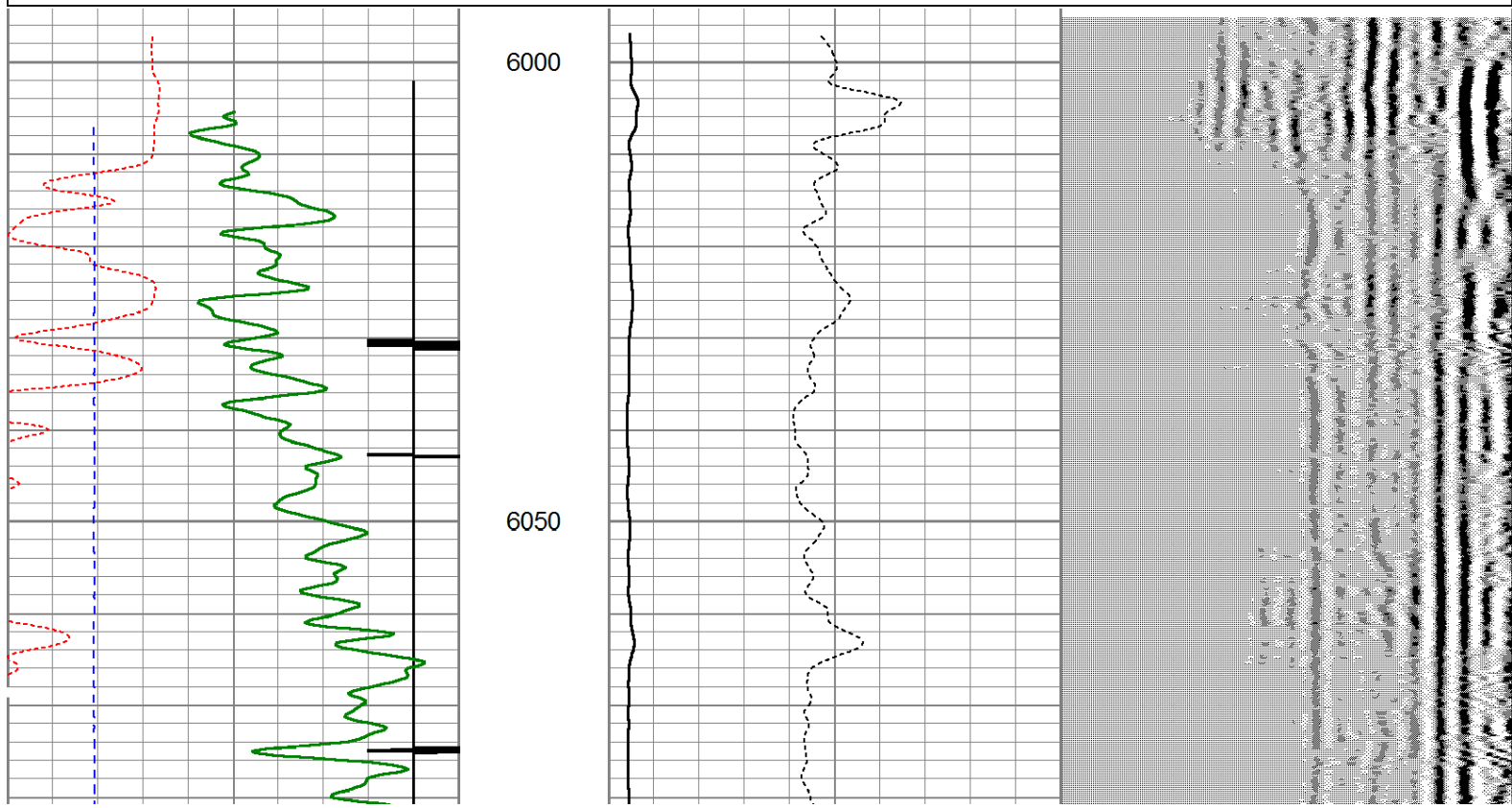
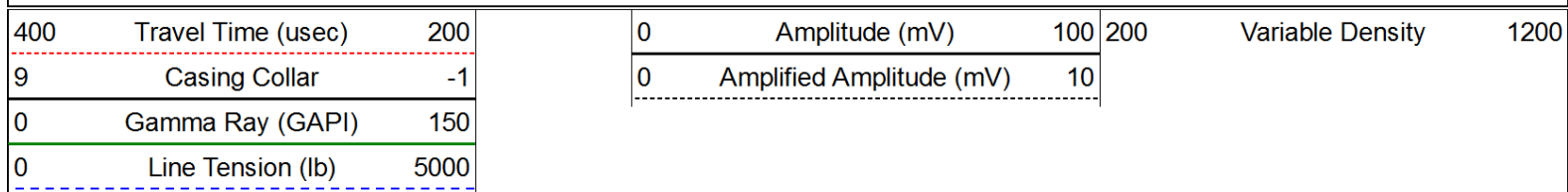


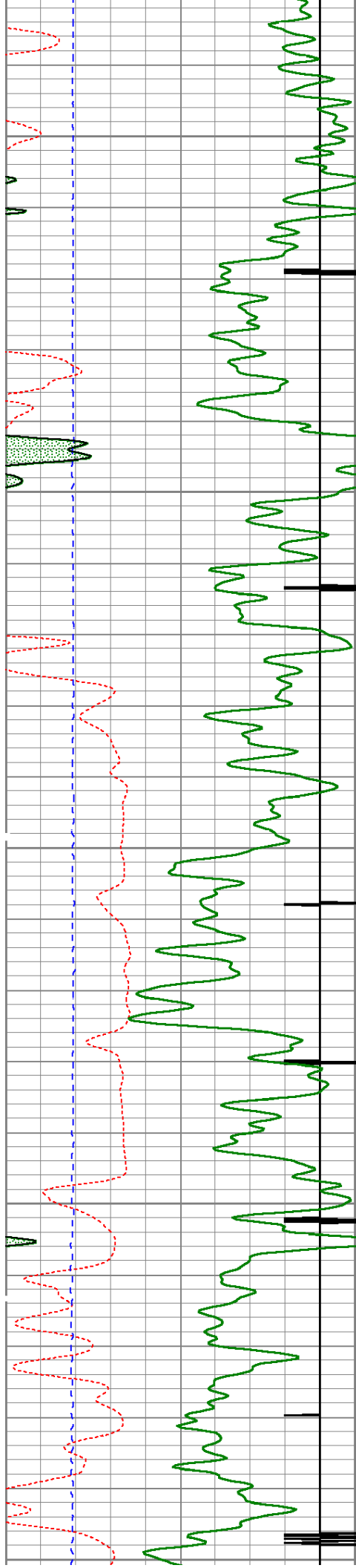




Main Pass (0 Pressure)

Database File: bonanza_creek_pronghorn_t_p_3_hnb_cbl.db
 Dataset Pathname: pass2
 Presentation Format: cblprobe
 Dataset Creation: Mon Apr 08 11:47:25 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240





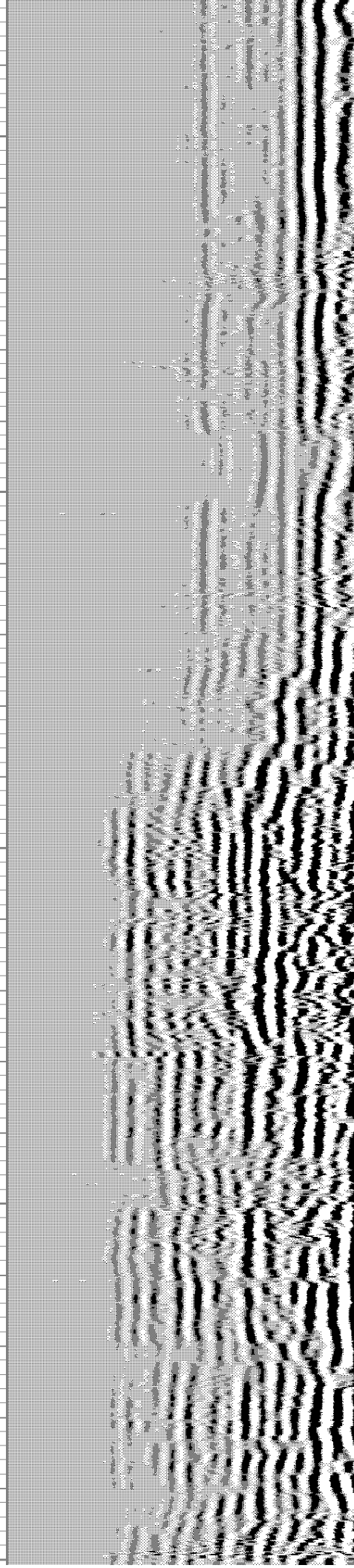
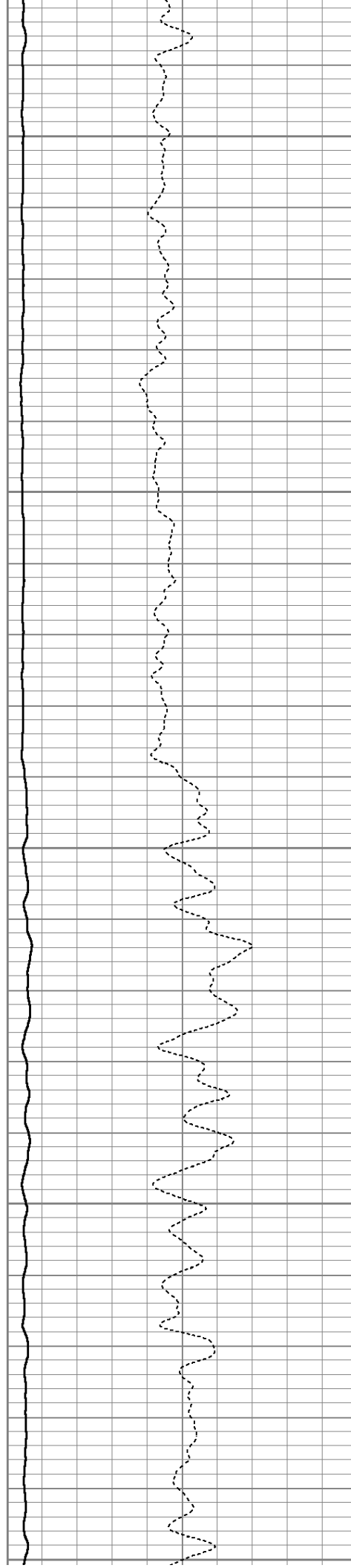
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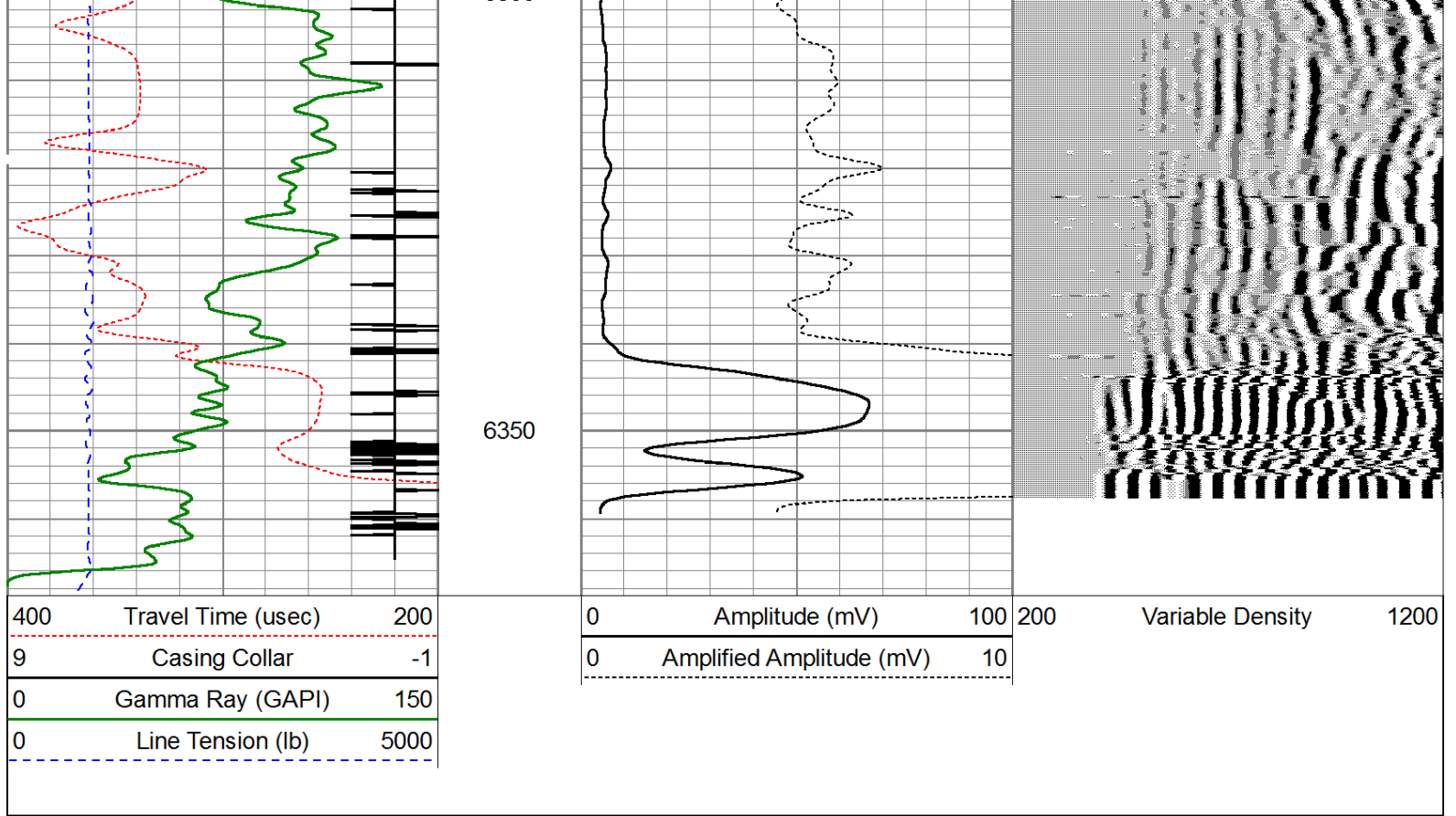
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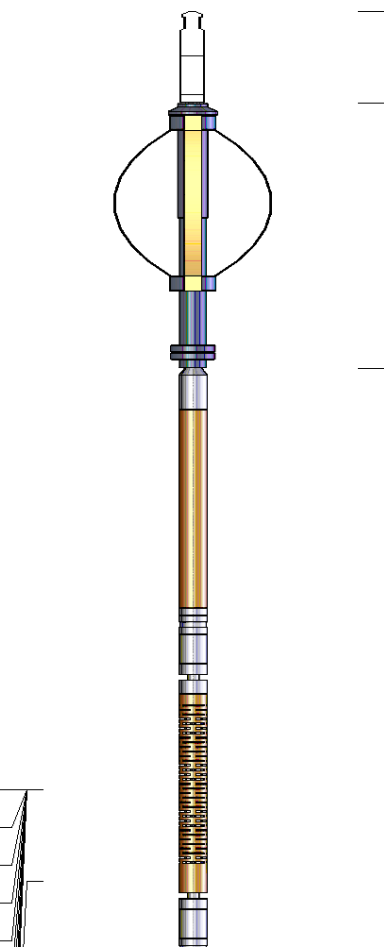



Calibration Report						
Database File:	bonanza_creek_pronghorn_t_p_3_hnb_cbl.db					
Dataset Pathname:	pass5					
Dataset Creation:	Mon Apr 08 14:53:55 2013					
Gamma Ray Calibration Report						
Serial Number:	120367-Dig					
Tool Model:	Probe275					
Performed:	Fri Jun 11 16:02:47 2004					
Calibrator 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:	449.497	ft				
Master Calibration, performed Thu Mar 21 09:26:31 2013:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.004	0.696	1.200	62.165	55.051	4.591
CAL	-0.014	1.258				
5'	-0.006	0.652	1.200	62.165	92.663	1.749
SUM						
S1	-0.002	0.758	0.000	100.000	121.592	0.247

S2	-0.004	0.699	0.000	100.000	132.254	0.587
S3	-0.006	0.682	0.000	100.000	130.421	0.811
S4	-0.006	0.679	0.000	100.000	136.137	0.813
S5	-0.000	0.678	0.000	100.000	137.388	0.013
S6	-0.010	0.674	0.000	100.000	136.142	1.431
S7	-0.007	0.689	0.000	100.000	133.613	0.990
S8	-0.008	0.708	0.000	100.000	129.686	1.061

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	-0.014	1.258	1.000	0.000

Air Zero Calibration, performed Mon Apr 08 11:11:55 2013:			
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	-0.004	0.000	-0.001
5'	-0.003	0.000	-0.003
SUM			
S1	0.036	0.000	-0.038
S2	-0.000	0.000	-0.004
S3	-0.002	0.000	-0.004
S4	-0.001	0.000	-0.005
S5	-0.002	0.000	0.002
S6	-0.003	0.000	-0.007
S7	-0.003	0.000	-0.004
S8	-0.003	0.000	-0.005

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 (120424) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVF3FT	12.02					
WVFCAL	12.02					
WVFS1	12.02					
WVFS2	12.02					
WVFS3	12.02					

WVFS4	12.02					
WVFS5	12.02					
WVFS6	12.02					
WVFS7	12.02					
WVFS8	12.02					
WVF5FT	11.02					
			Probe275 2.75" Centralizer	2.88	2.75	20.00
CCL	4.00					
GR	2.54	GR-Probe275 (120367-Dig) Probe 2 3/4" Digital Gamma Ray/CCL	4.96	2.75	57.00	
Dataset:		bonanza_creek_pronghorn_t_p_3_hnb_cbl.db: field/well/run1/pass5				
Total Length:		20.46 ft				
Total Weight:		197.00 lb				
O.D.		2.75 in				