



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

Company Bonanza Creek Energy  
Well North Platte U-Y-28HNB  
Field Wattenberg  
County Weld  
State Colorado

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Well North Platte U-Y-28HNB  
Field Wattenberg  
County Weld State Colorado

Location: 388' FNL & 539' FEL  
SEC 28 TWP 5N RGE 63W  
Permanent Datum Ground Level Elevation 4546'  
Log Measured From Kelly Bushing 12.5' APD  
Drilling Measured From Kelly Bushing  
Other Services: None  
Elevation: K.B. 4558.5', D.F. 4557.5', G.L. 4546'

Date	26-April-2013
Run Number	One
Depth Driller	10779'
Depth Logger	6385'
Bottom Logged Interval	6383'
Top Log Interval	Surface
Open Hole Size	8.75"
Type Fluid	Water
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	1030'
Time Well Ready	13:00
Time Logger on Bottom	13:30
Equipment Number	12029
Location	Brighton, CO
Recorded By	B.Kalkwarf
Witnessed By	Kurt Dodge

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
1	13 1/2"	Surface	410'				
2	8 3/4"	410'	6723'				
3	6 1/8"	6723'	10779'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8"	36#	Surface	410'
Prot. String				
Production String	7"	26#	Surface	6723'
Liner	4 1/2"	11.6#	6623'	10779'

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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 12.5' KB  
Main Pass and Repeat Pass logged with zero pressure on wellbore.  
Your Crew Today. B.Kalkwarf, C.Medina, E.Soto  
Thank You for using Allied Wireline  
(303) 659-4609



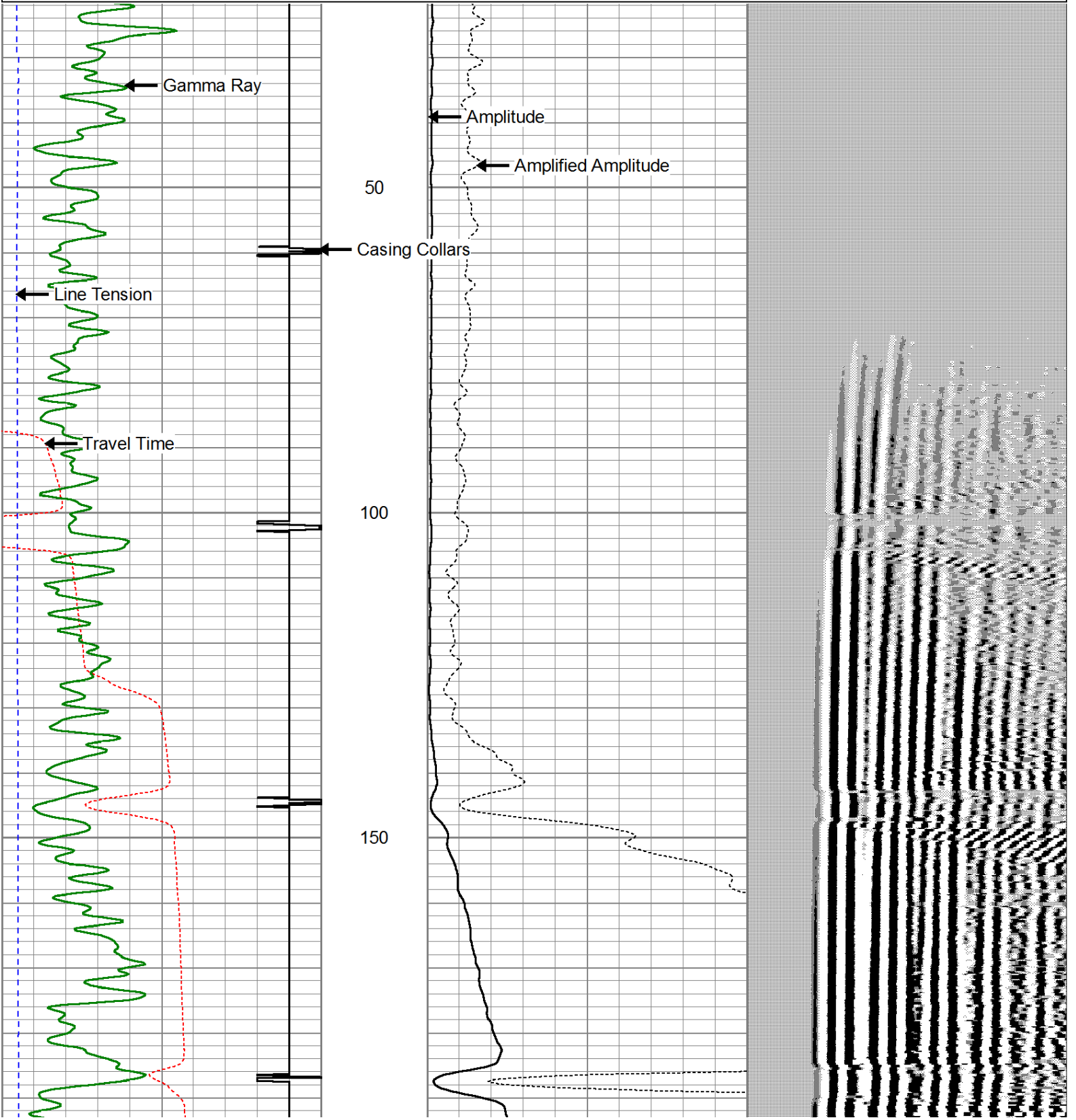
**Main Pass (0 PSI)**

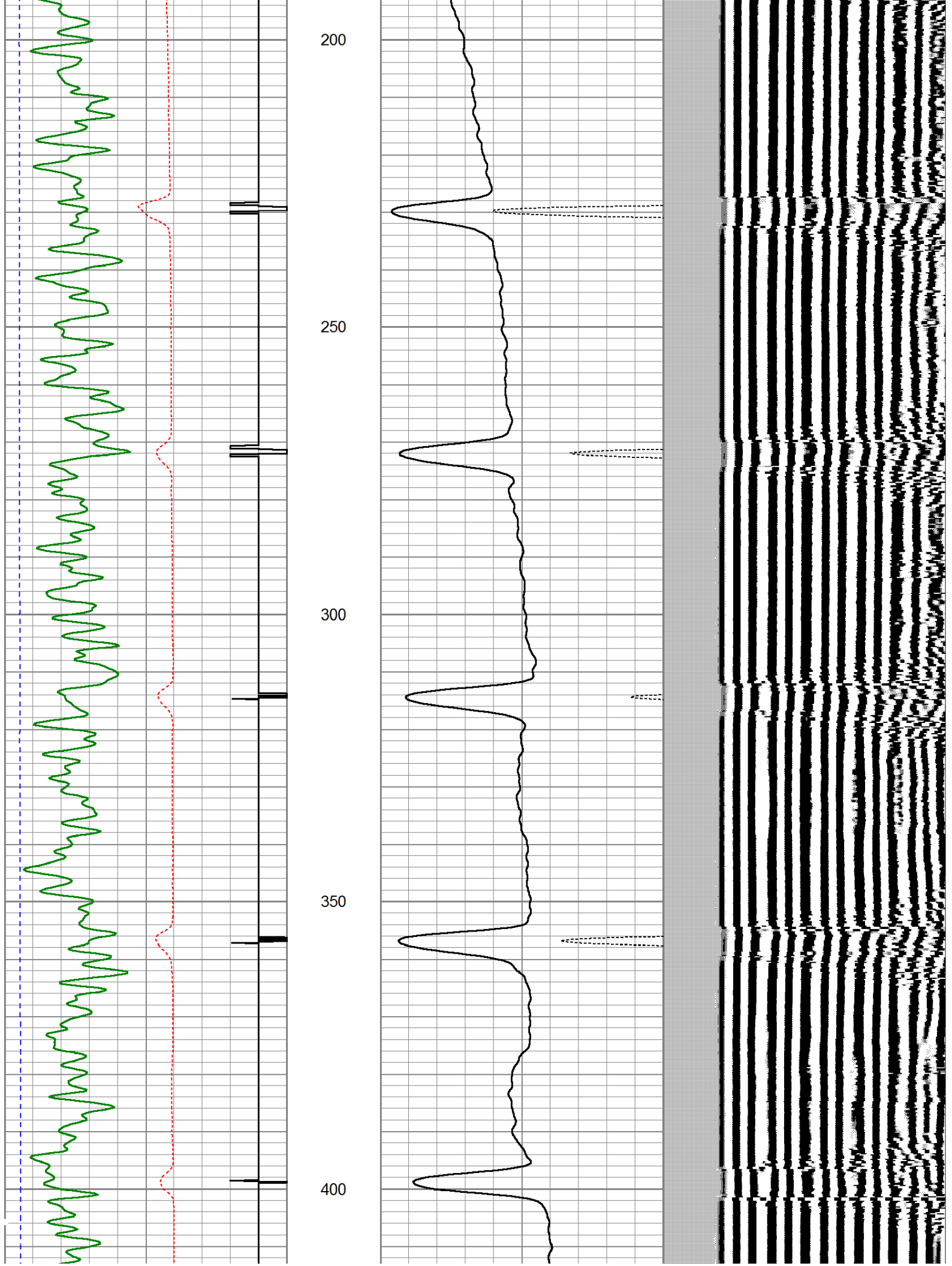
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 Dataset Pathname: pass7  
 Presentation Format: cblprobe  
 Dataset Creation: Fri Apr 26 13:45:57 2013 by Log SCH 120126  
 Charted by: Depth in Feet scaled 1:240

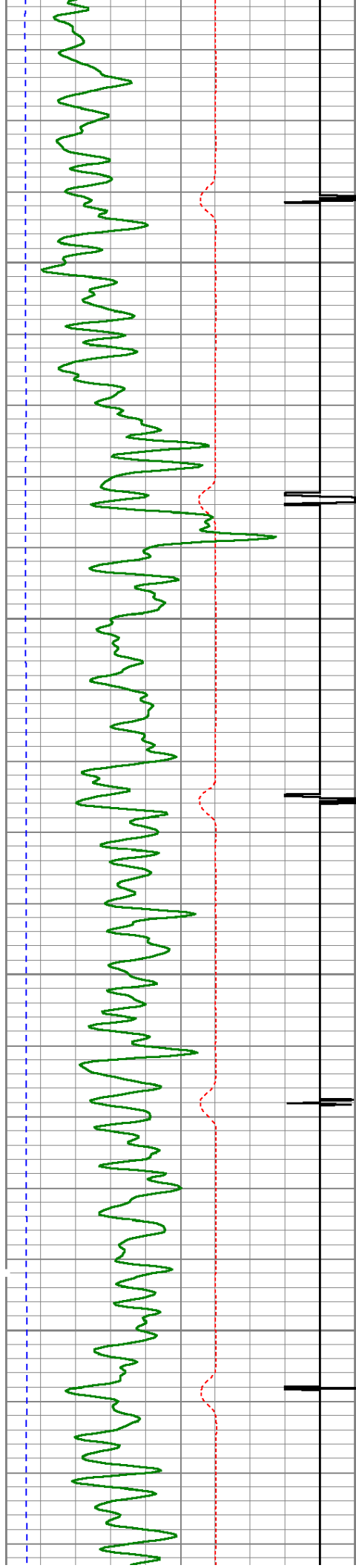
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	5000

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

200 Variable Density 1200





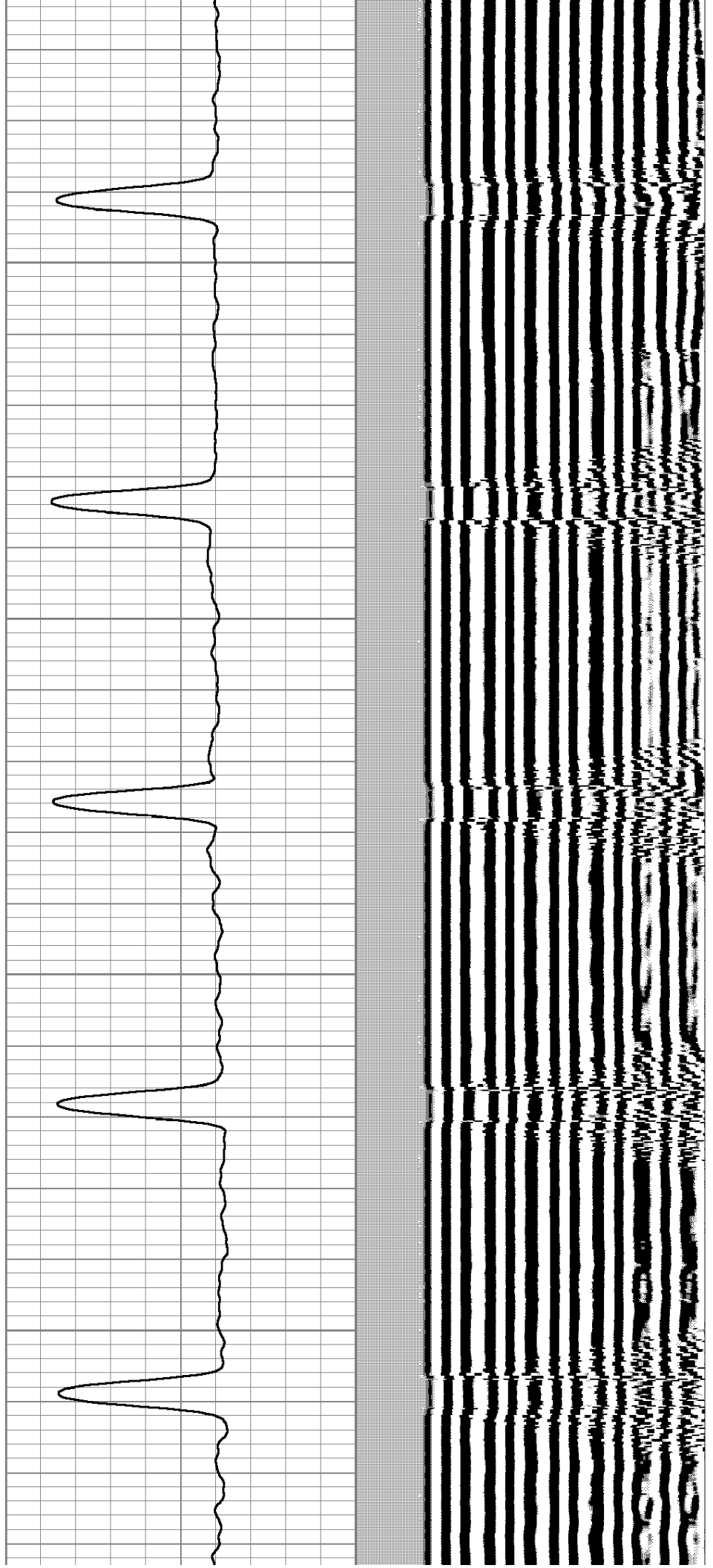


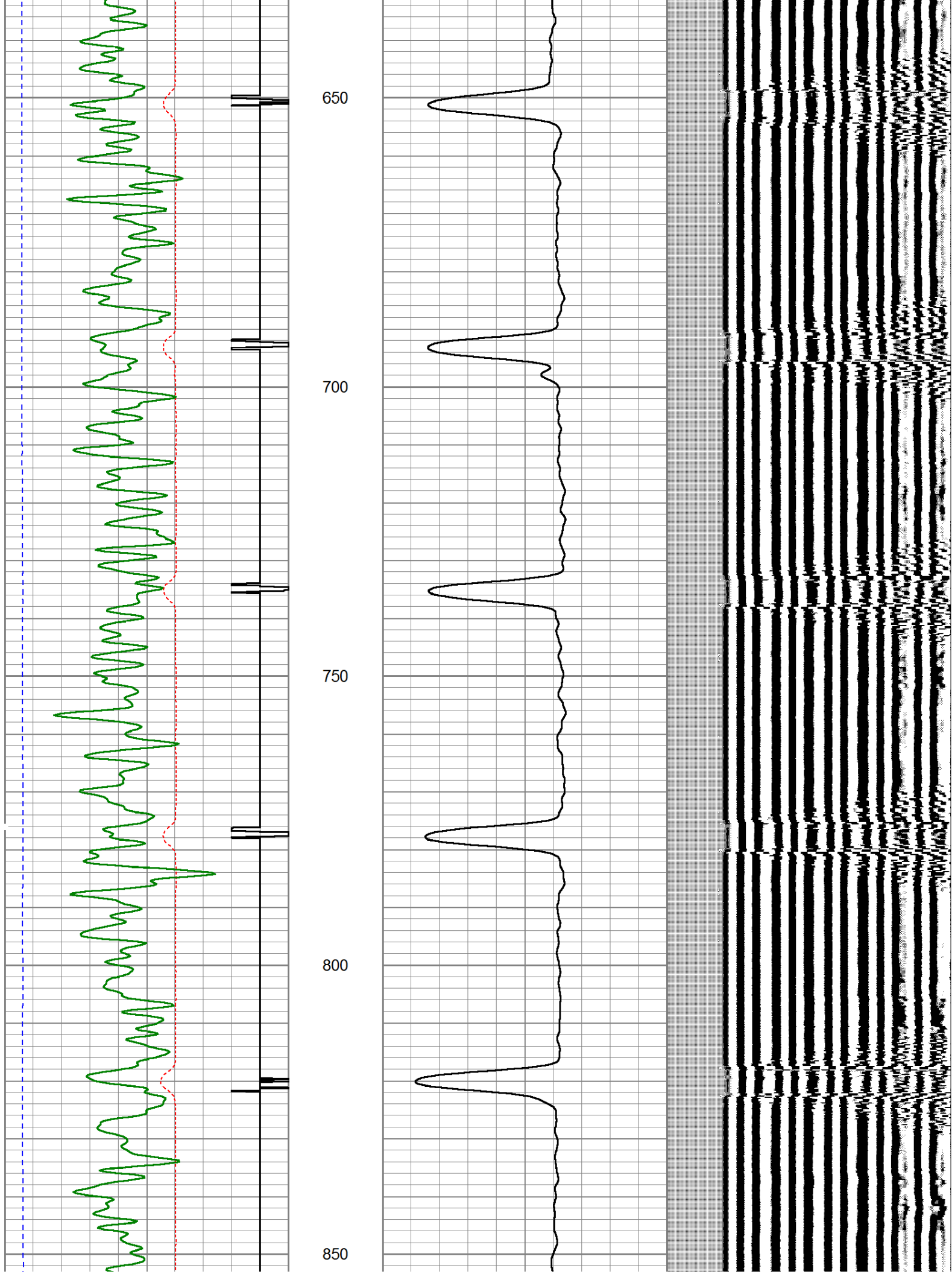
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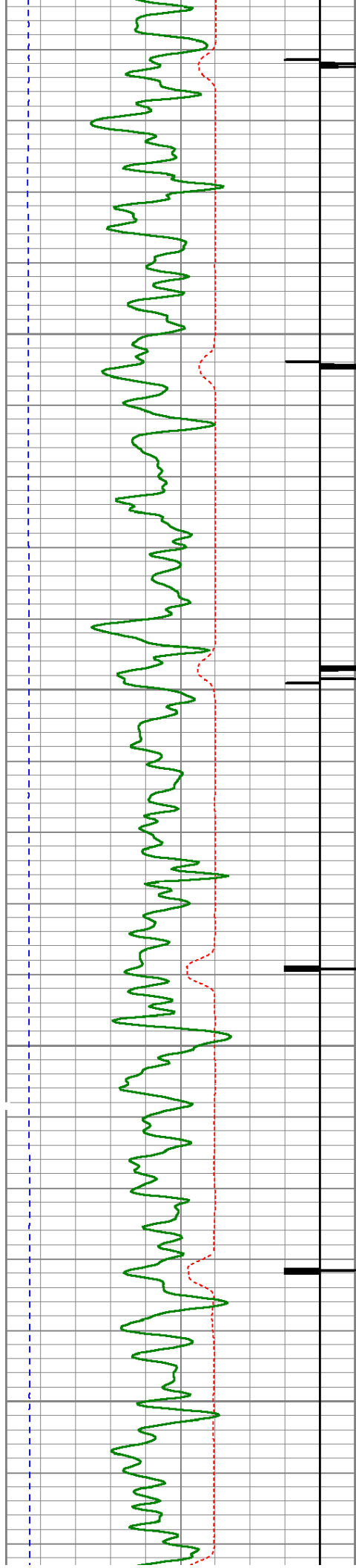
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550

600





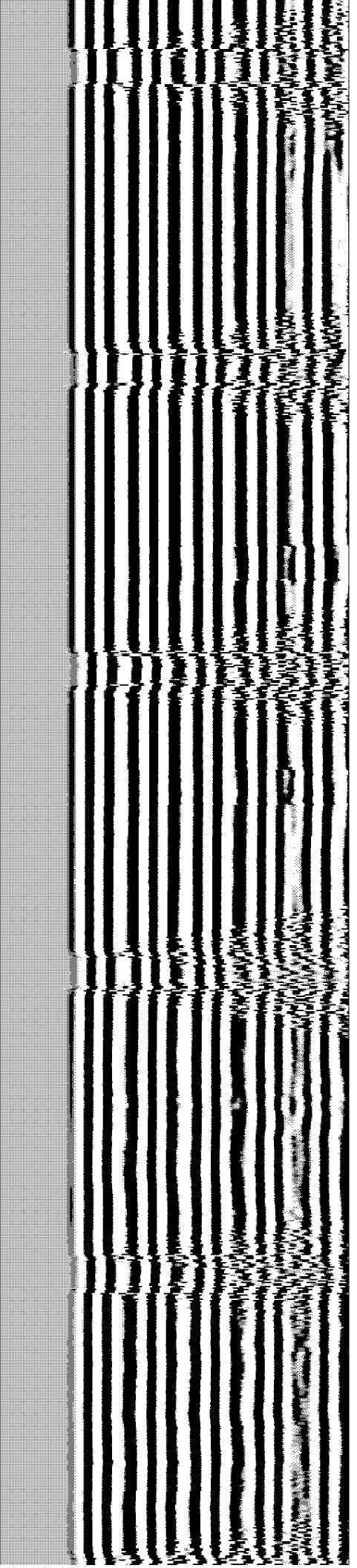
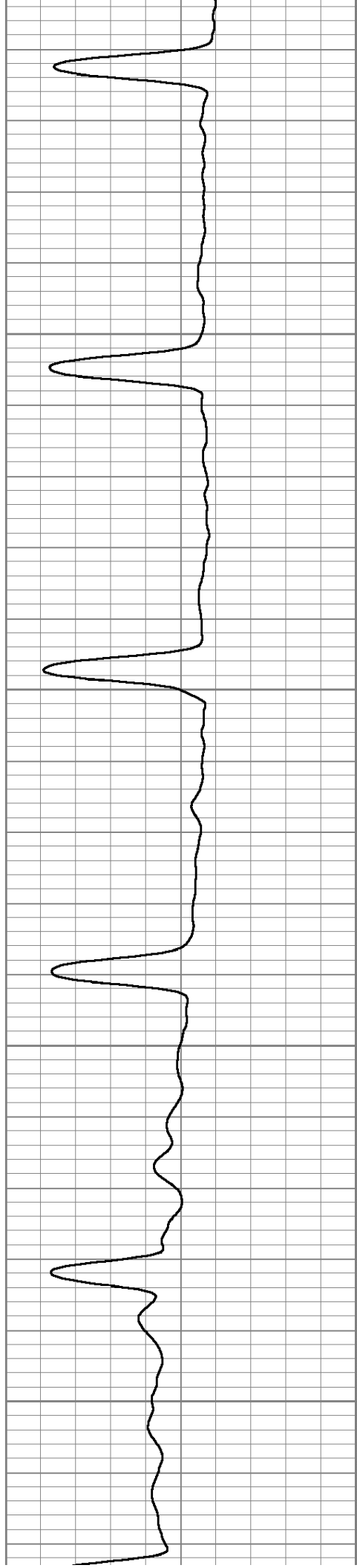


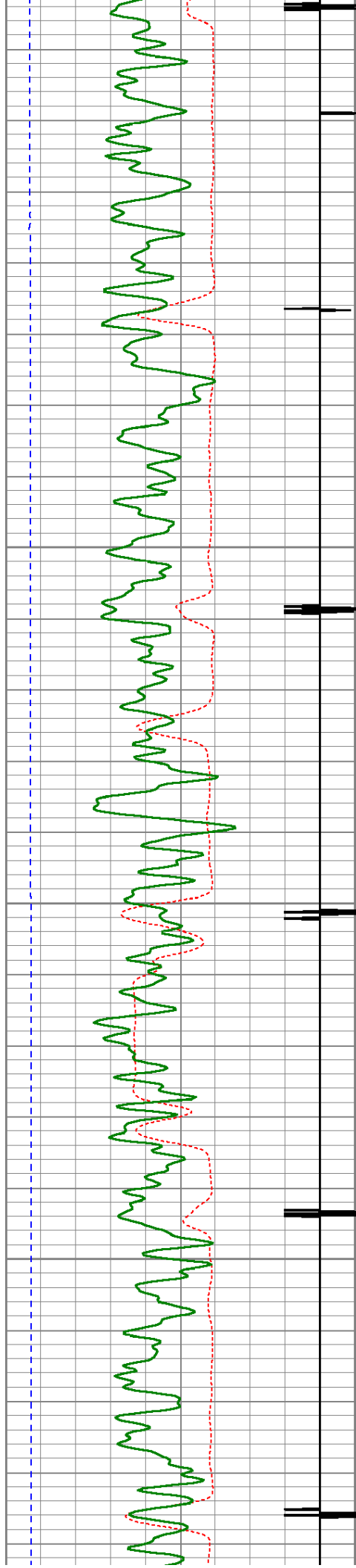
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950

1000

1050



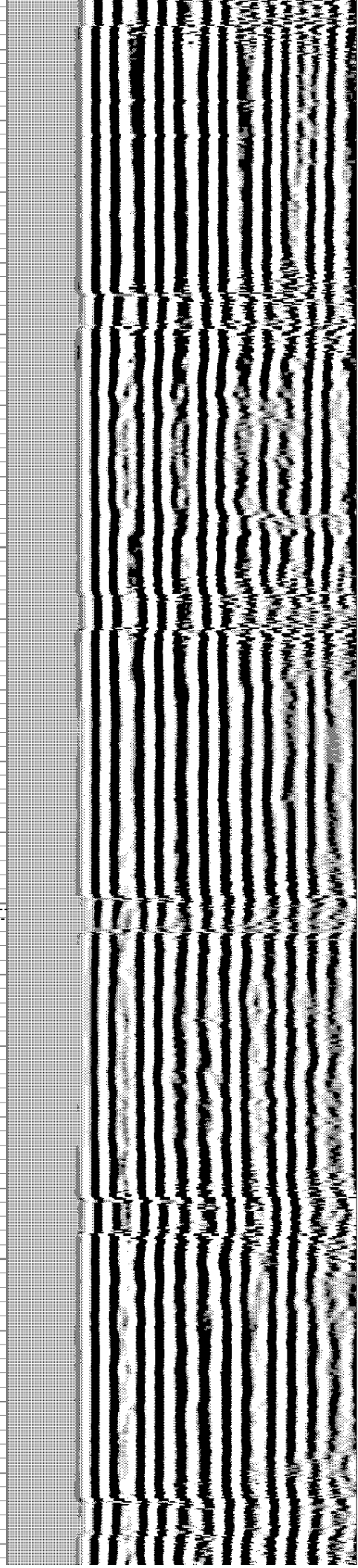
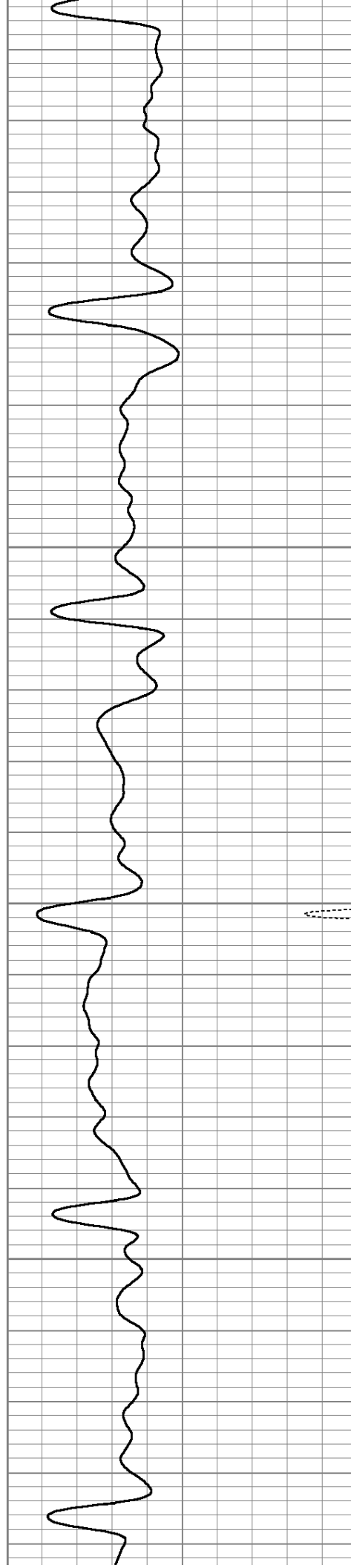


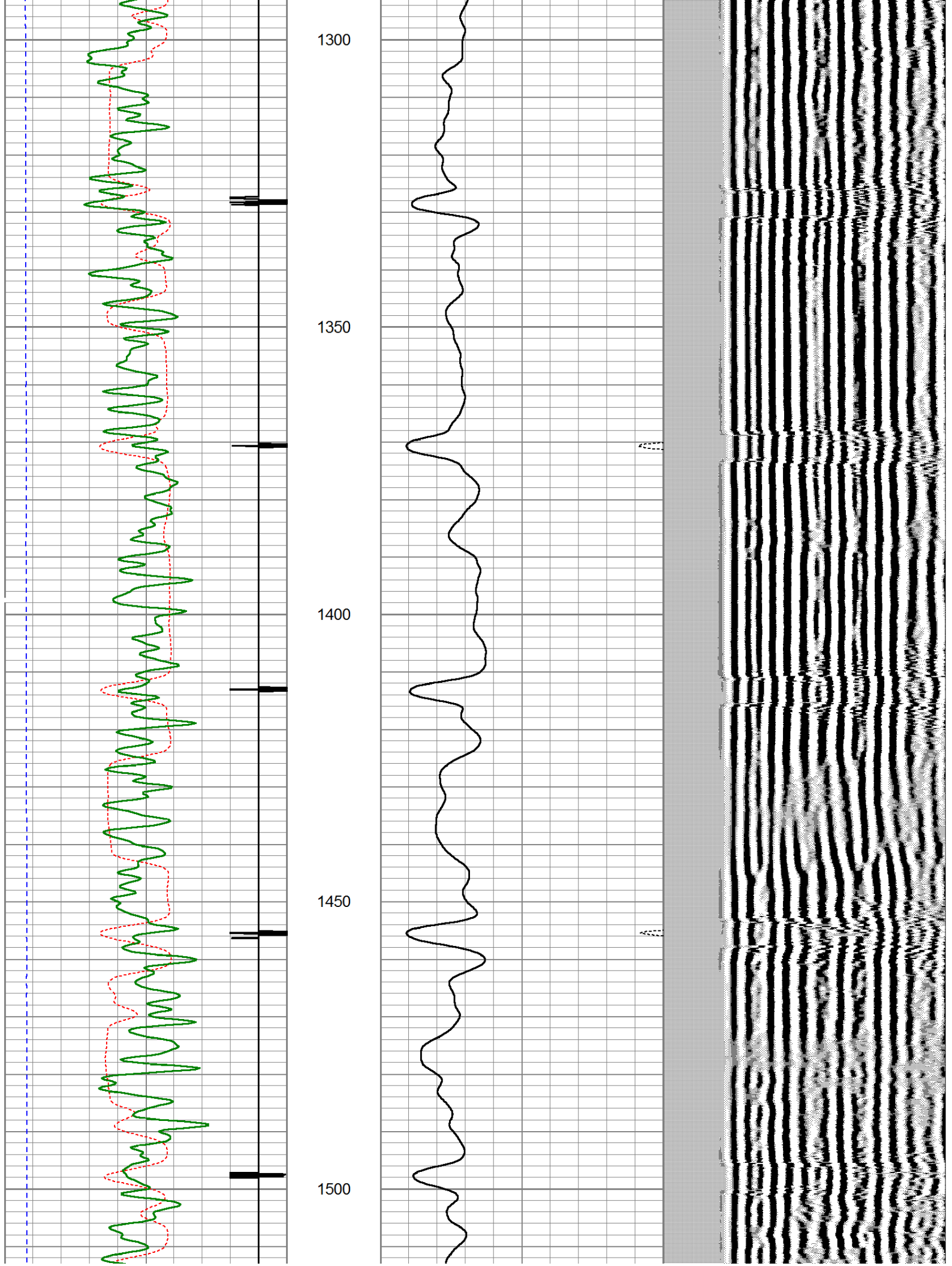
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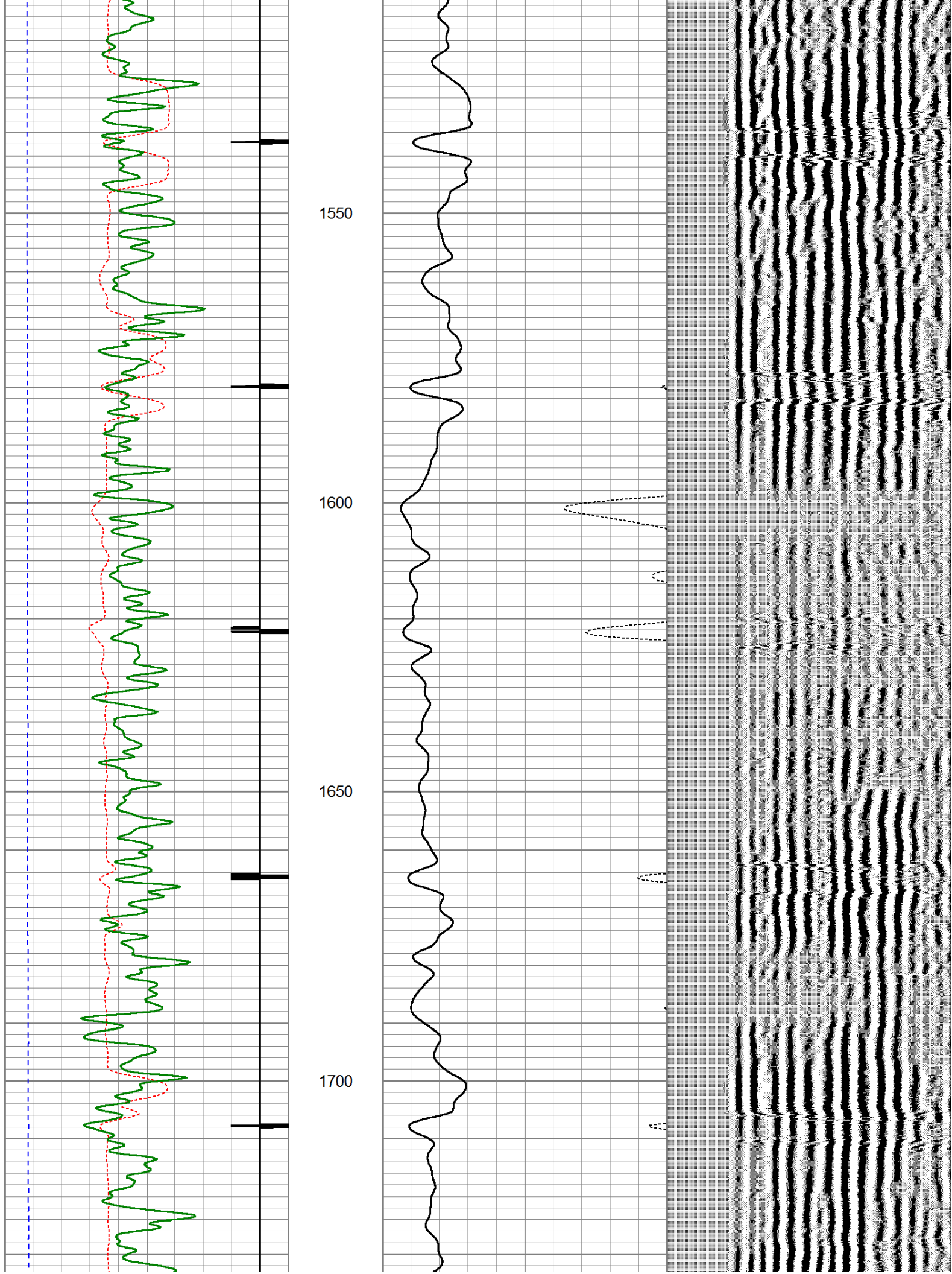
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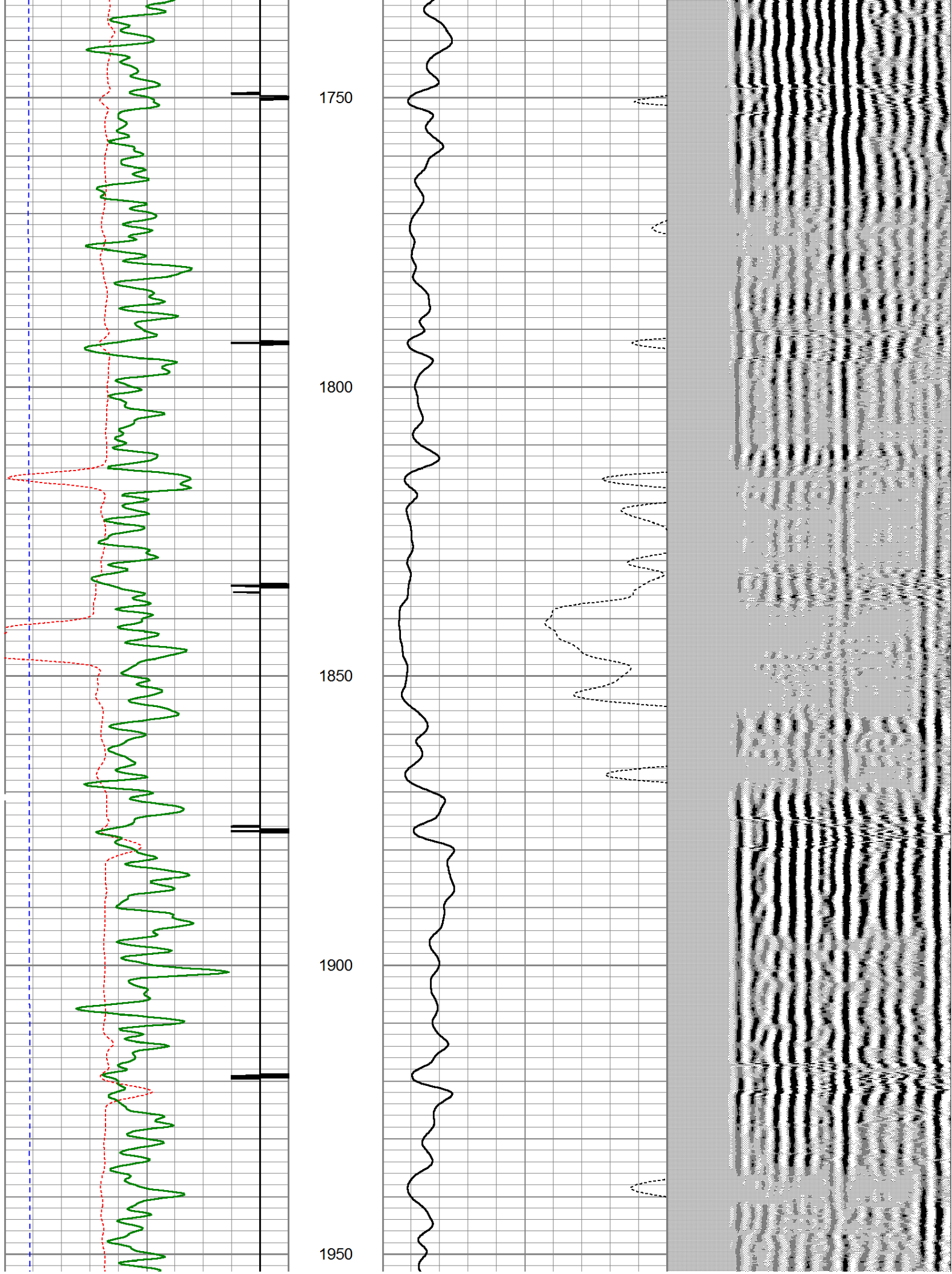
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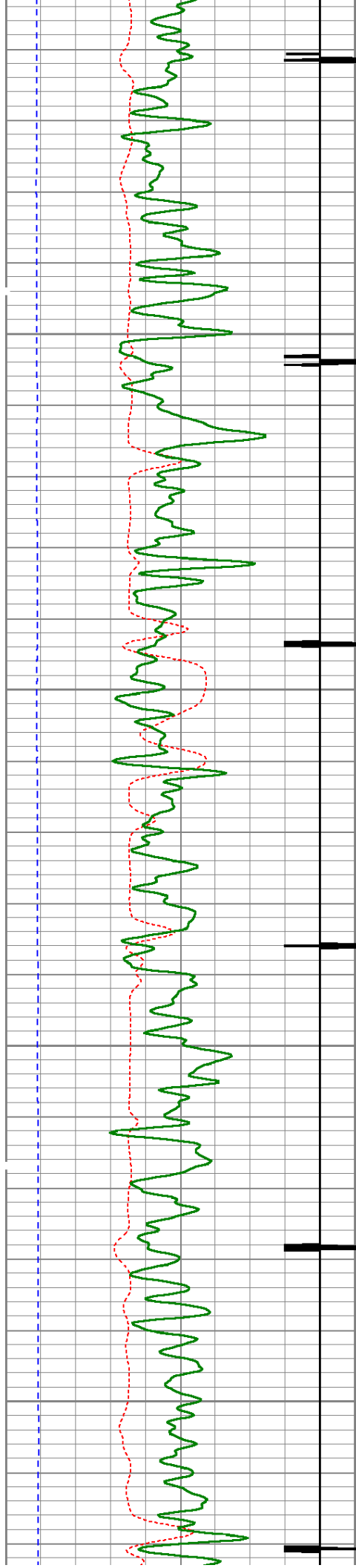
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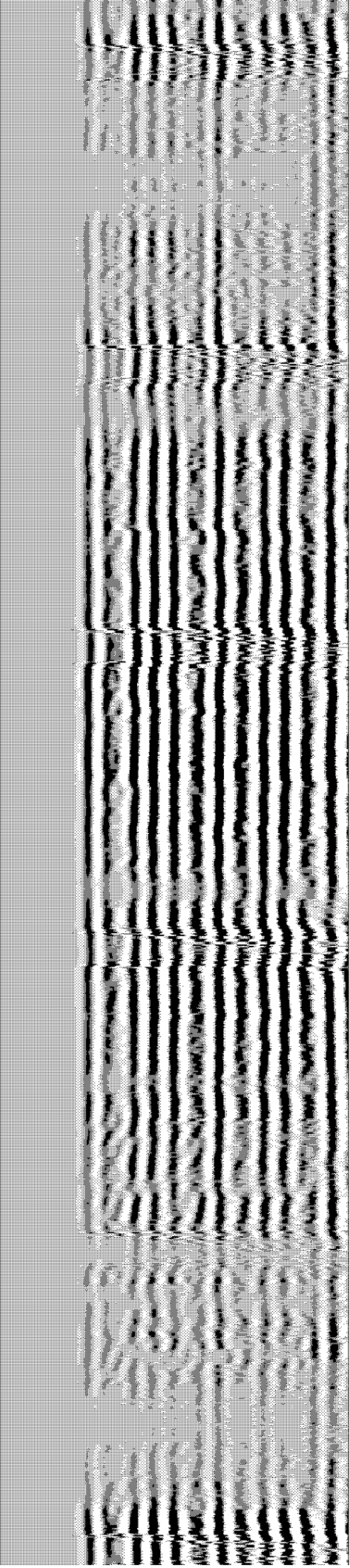
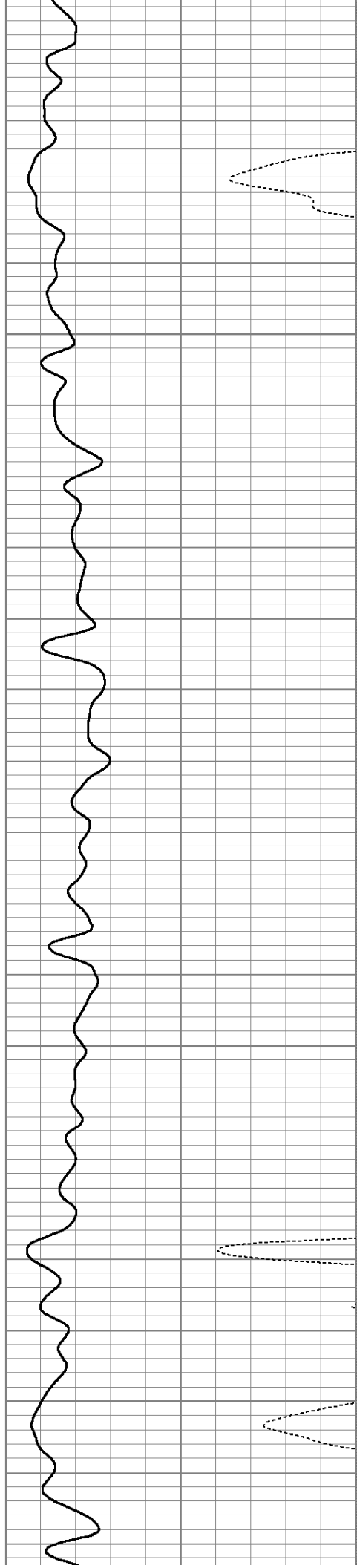


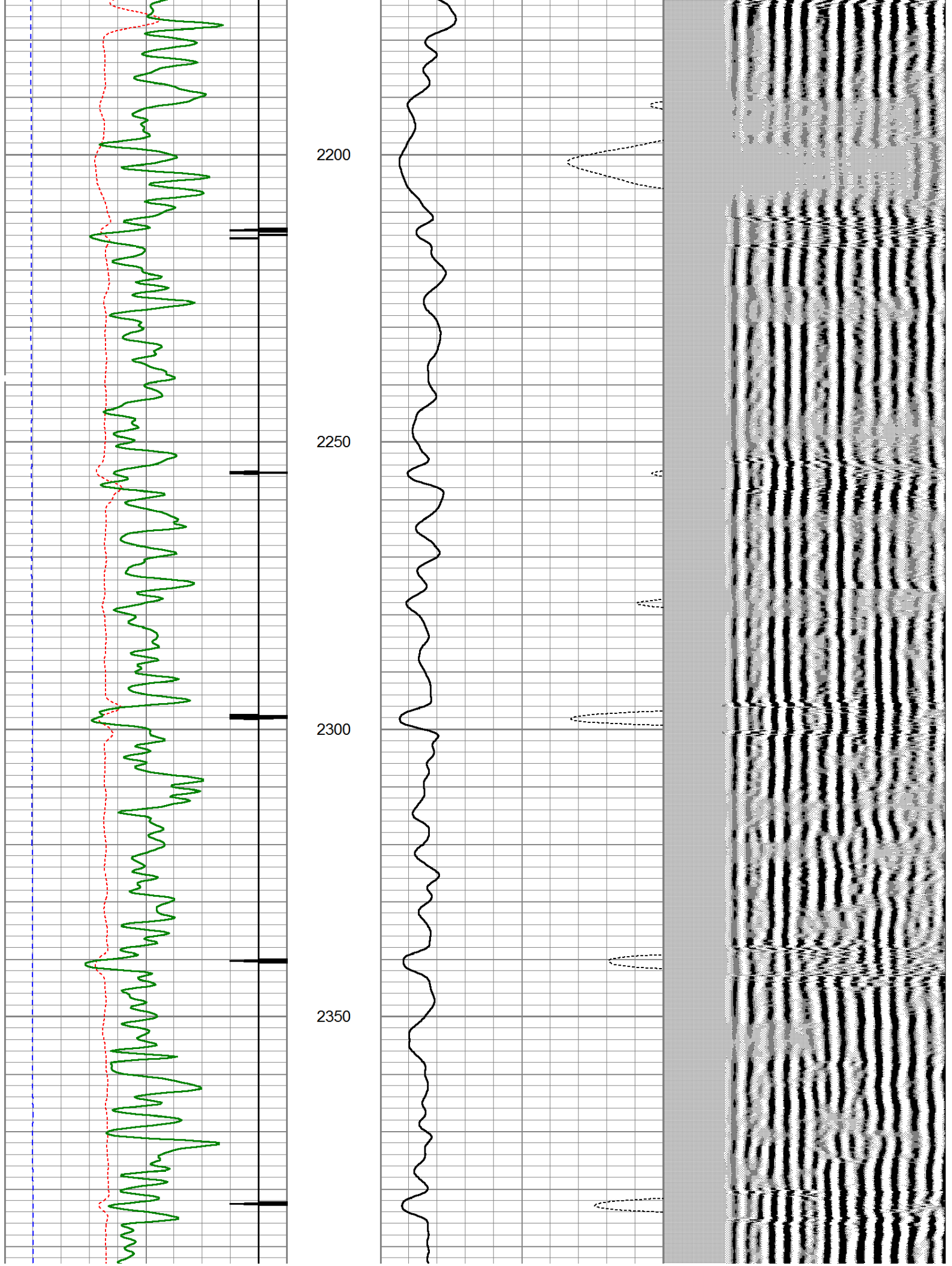
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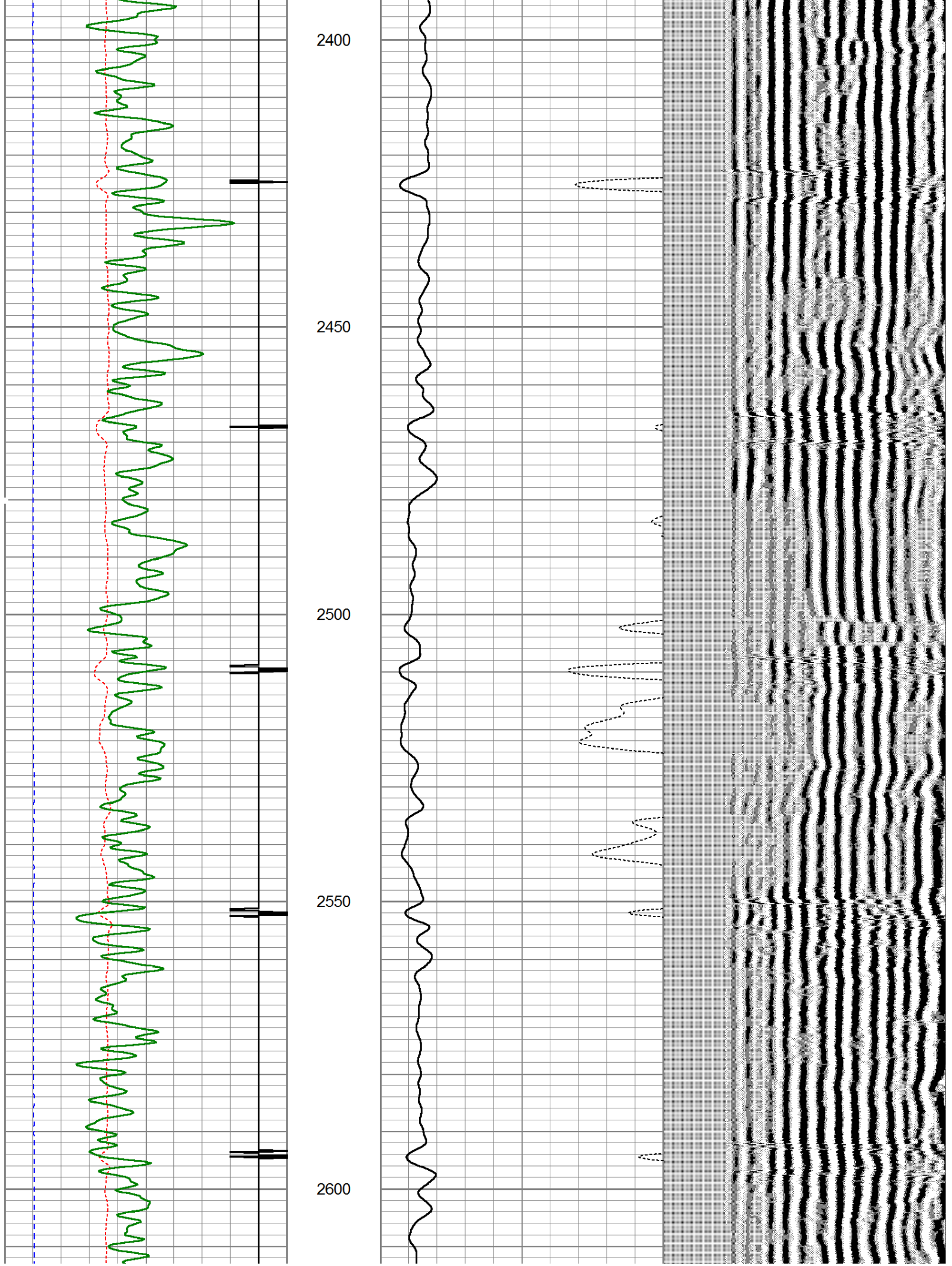
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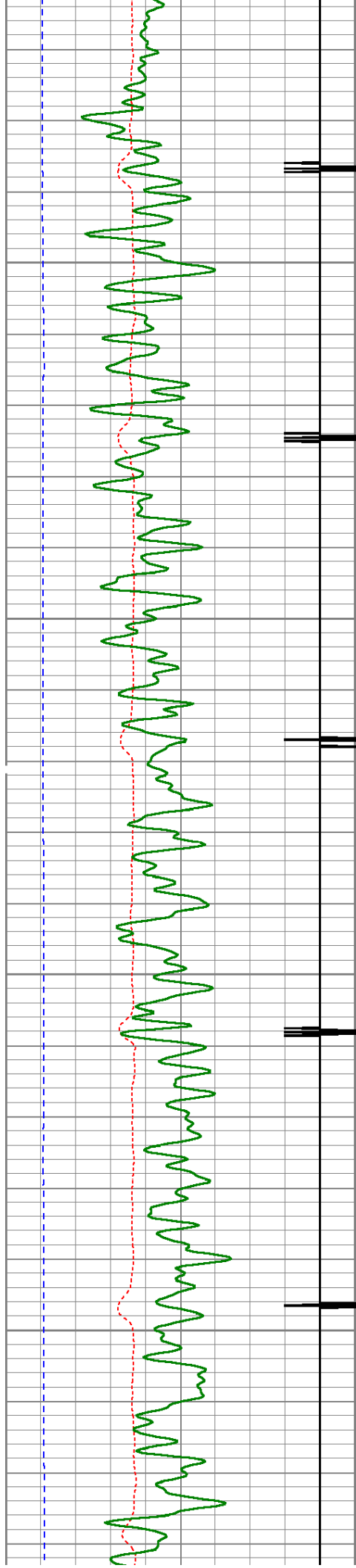
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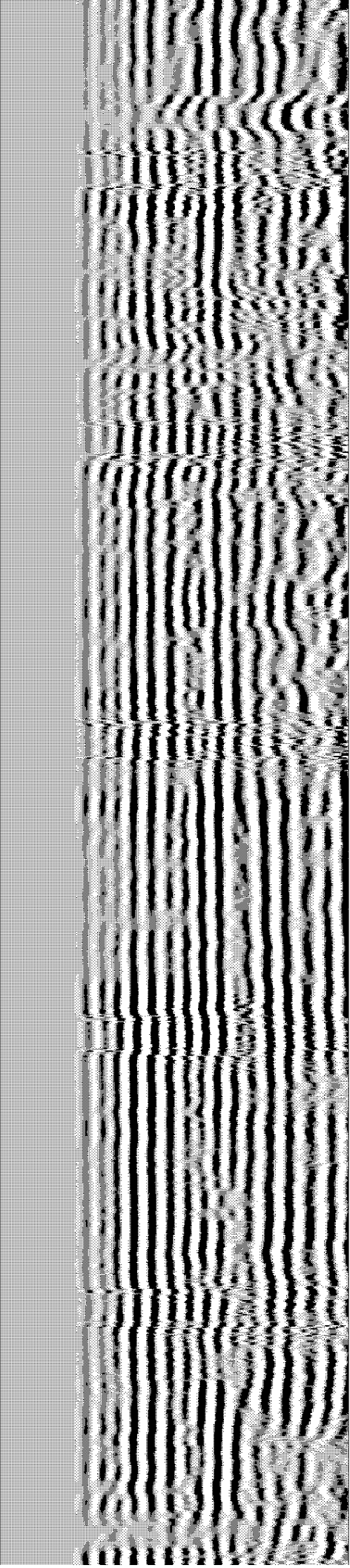
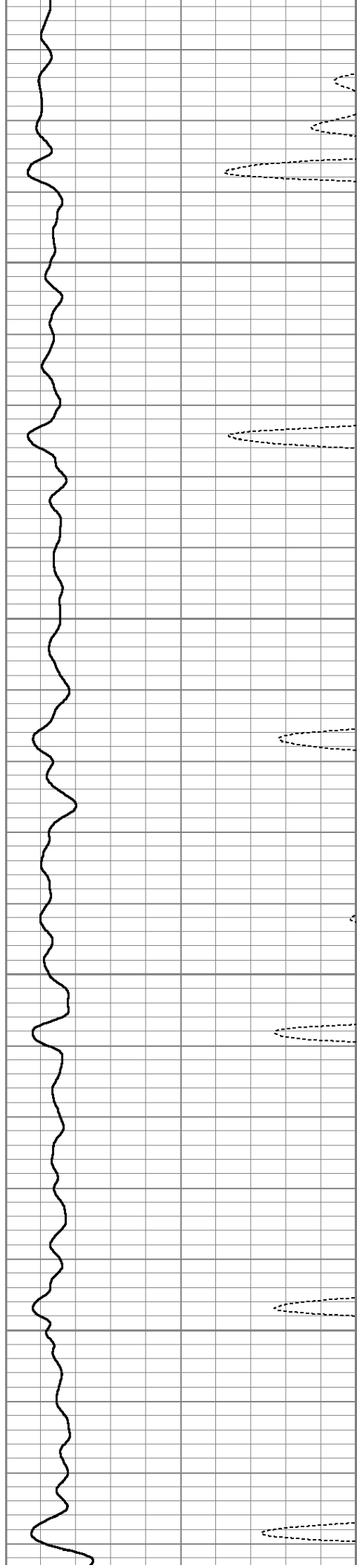


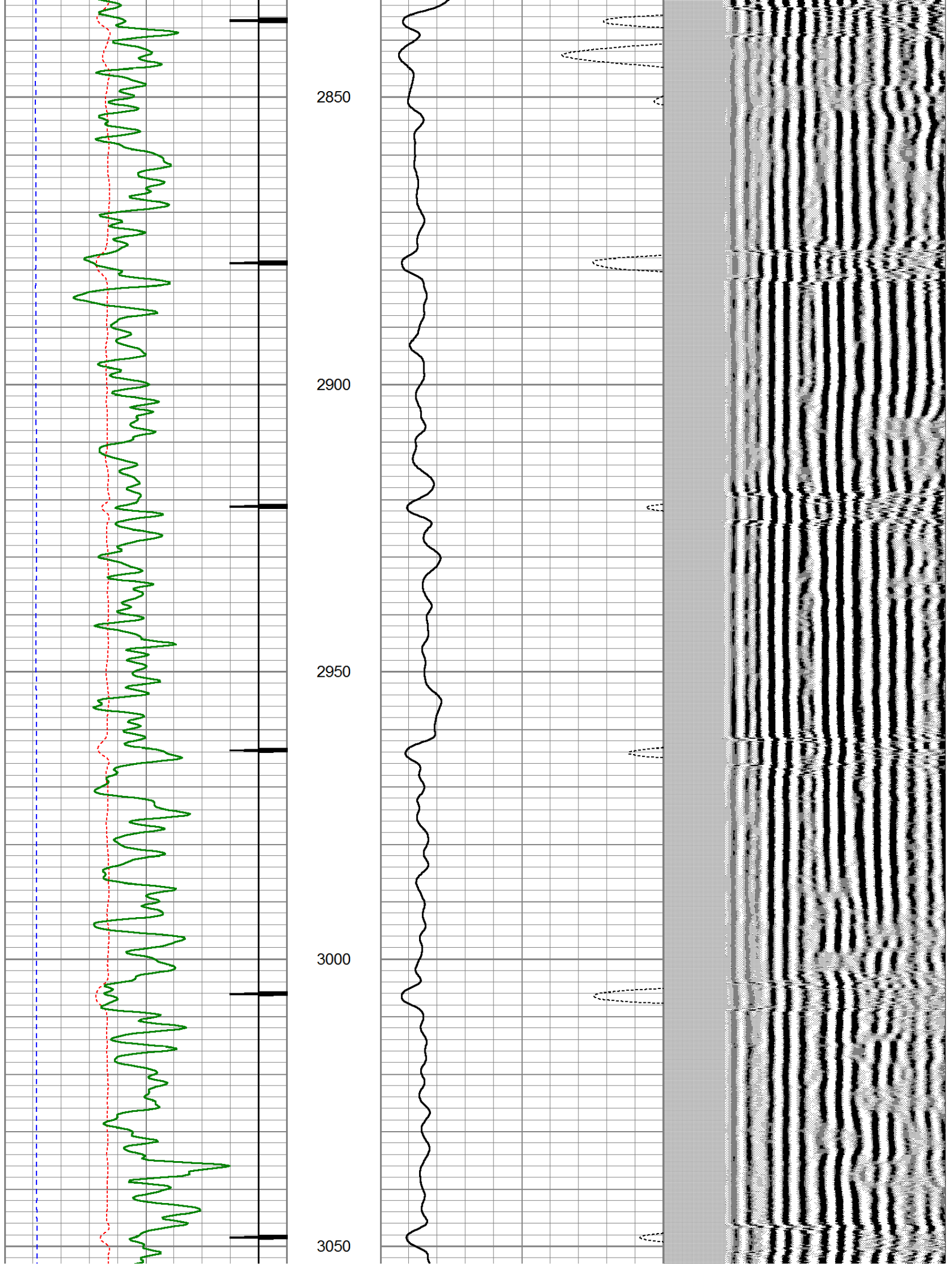
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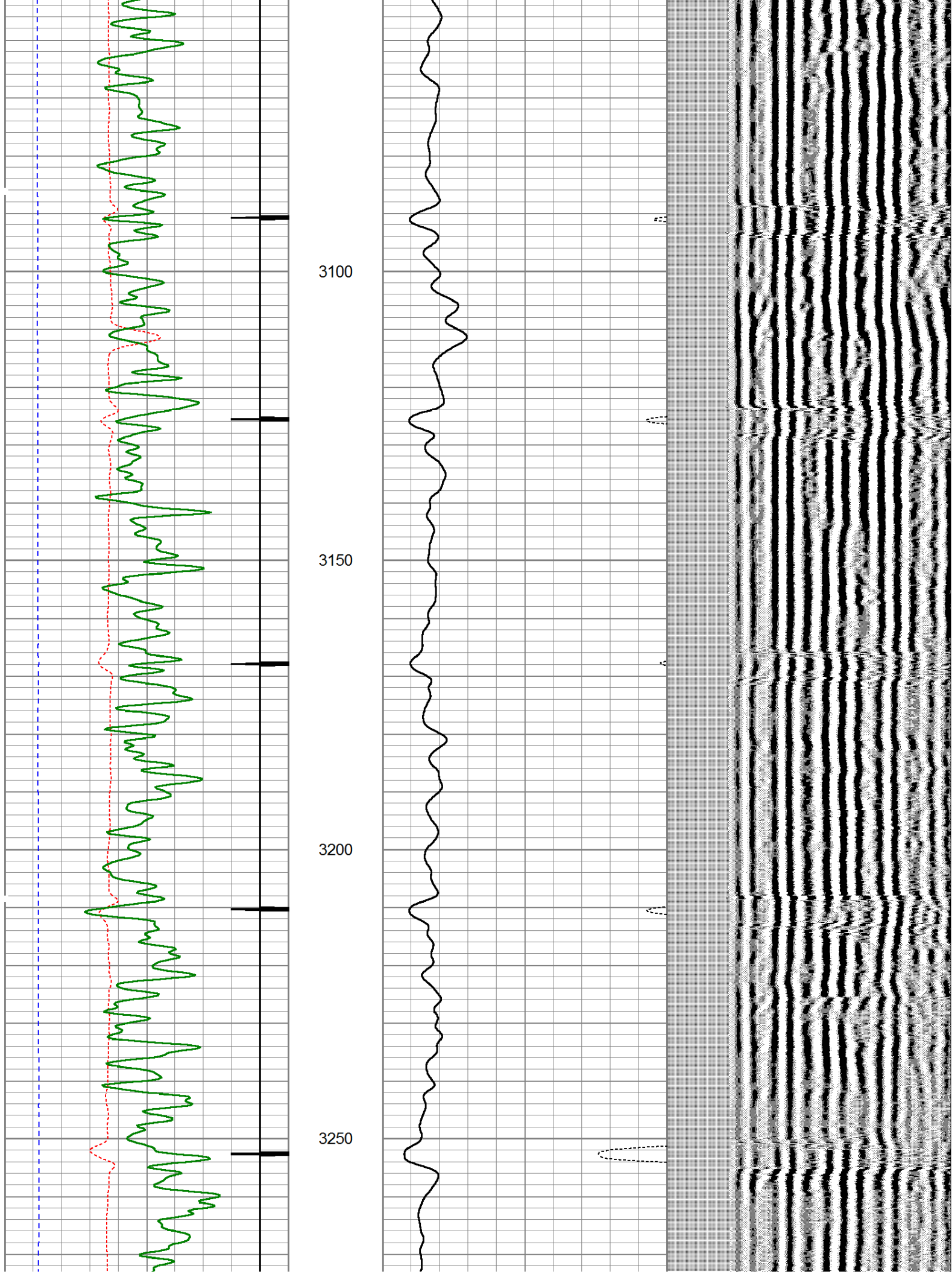
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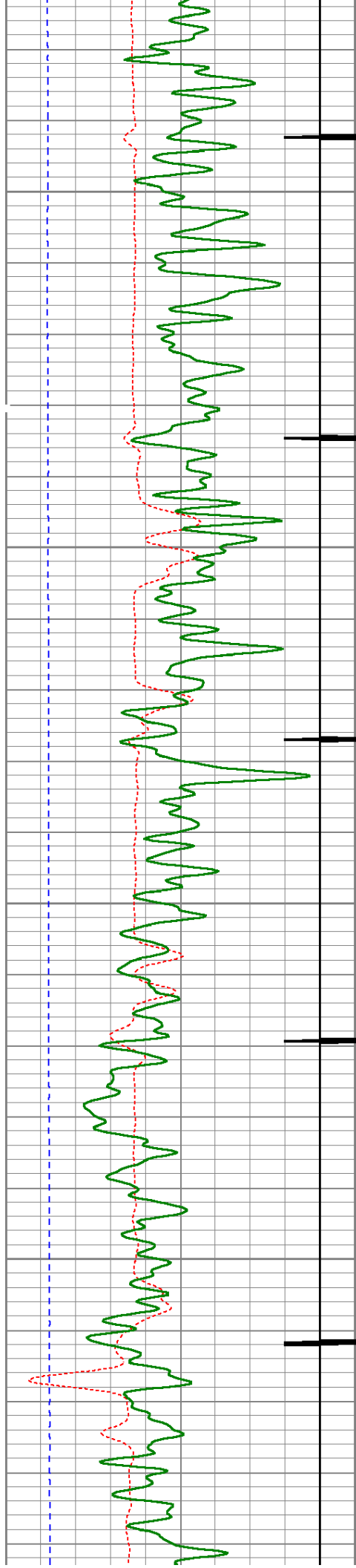
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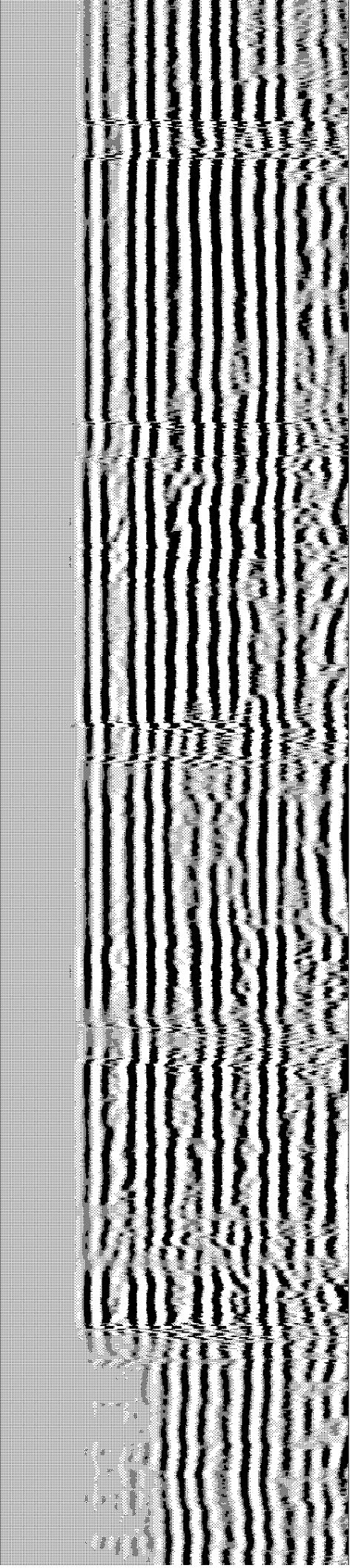
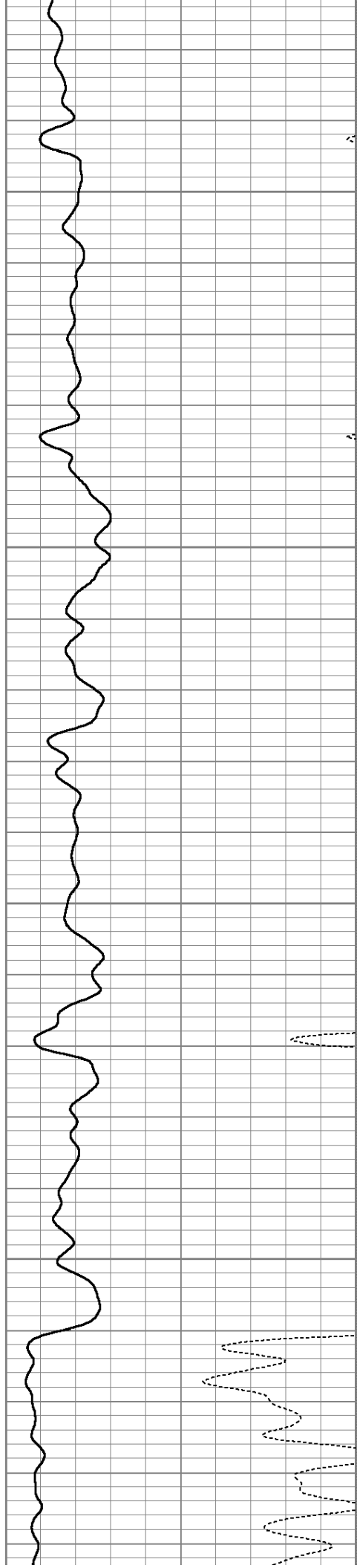


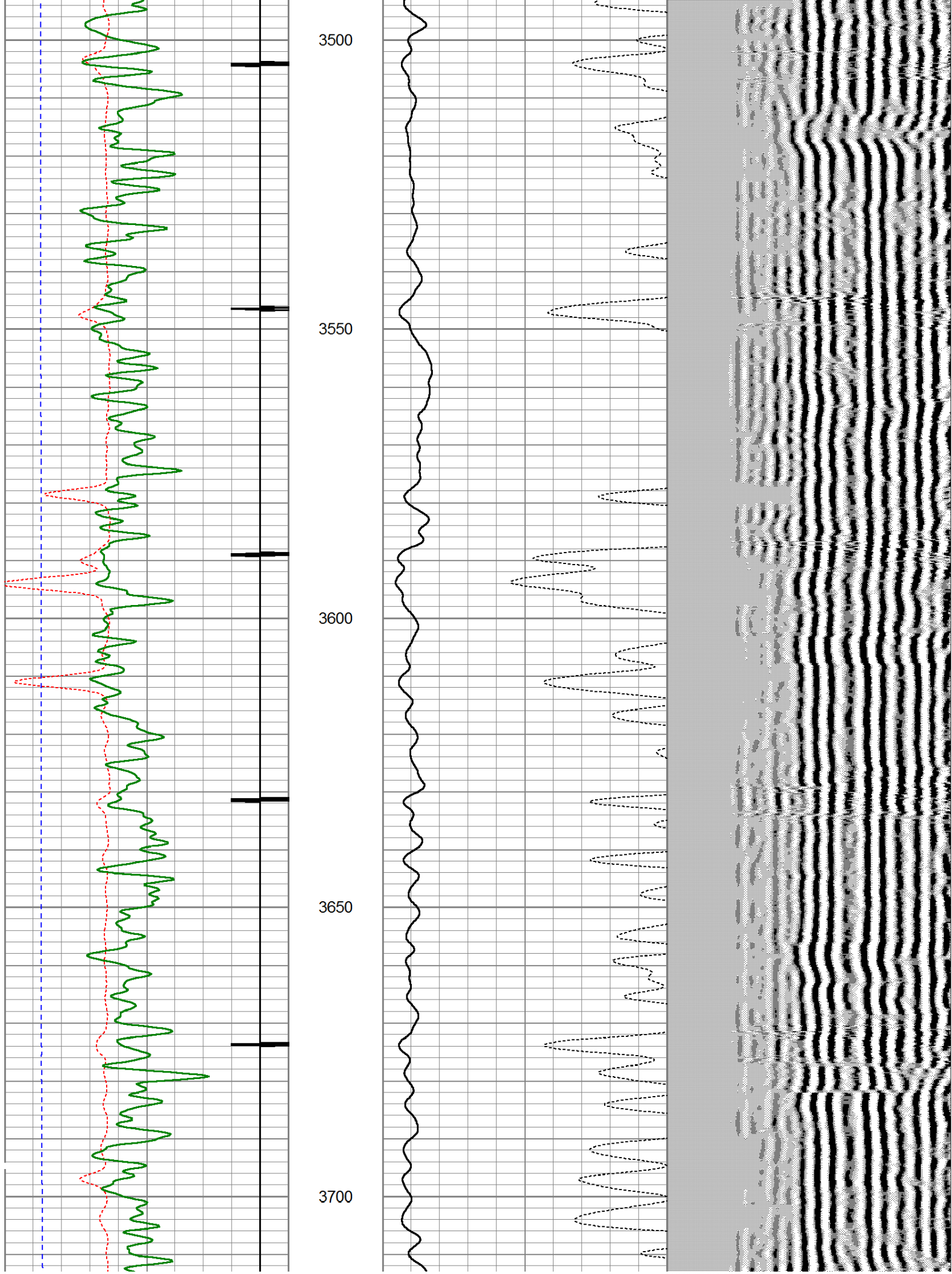
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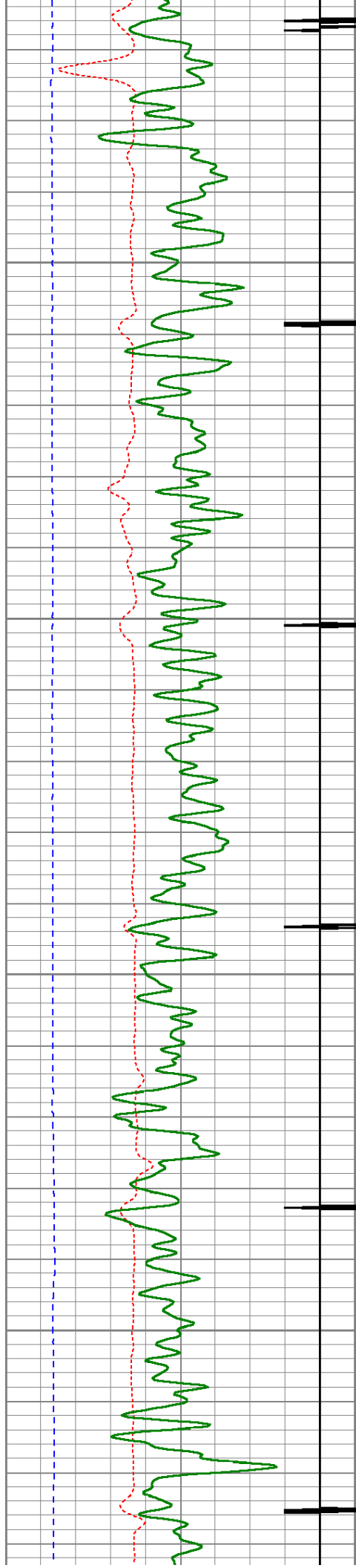
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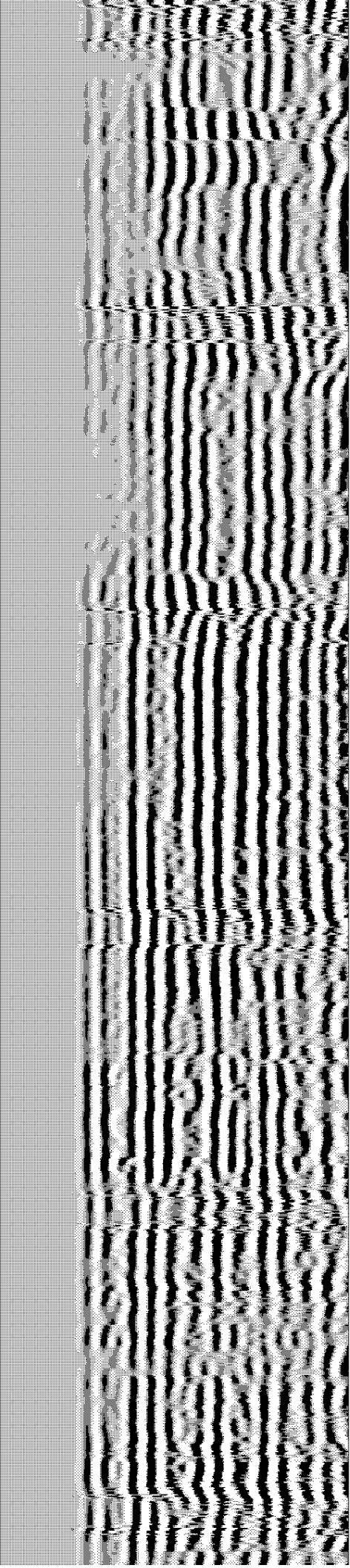
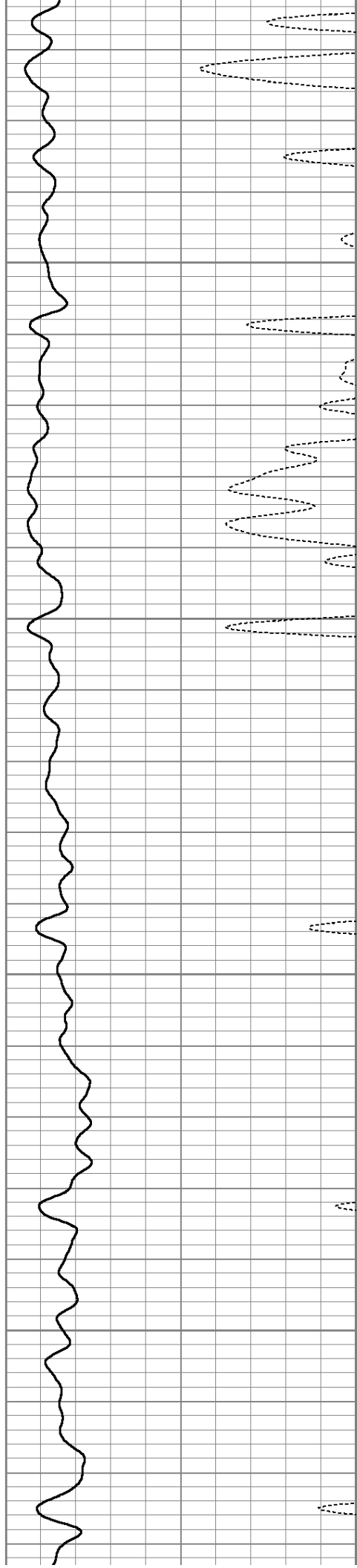


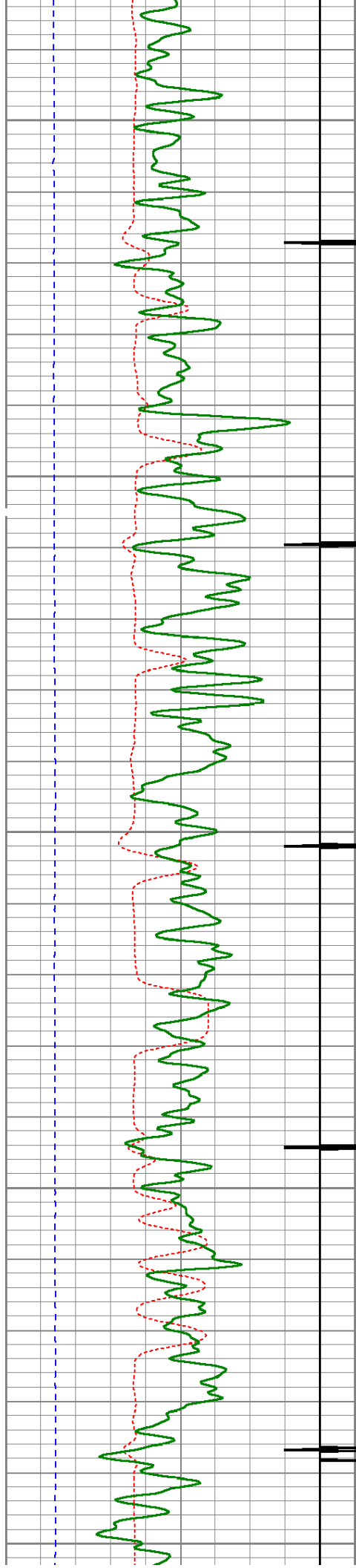
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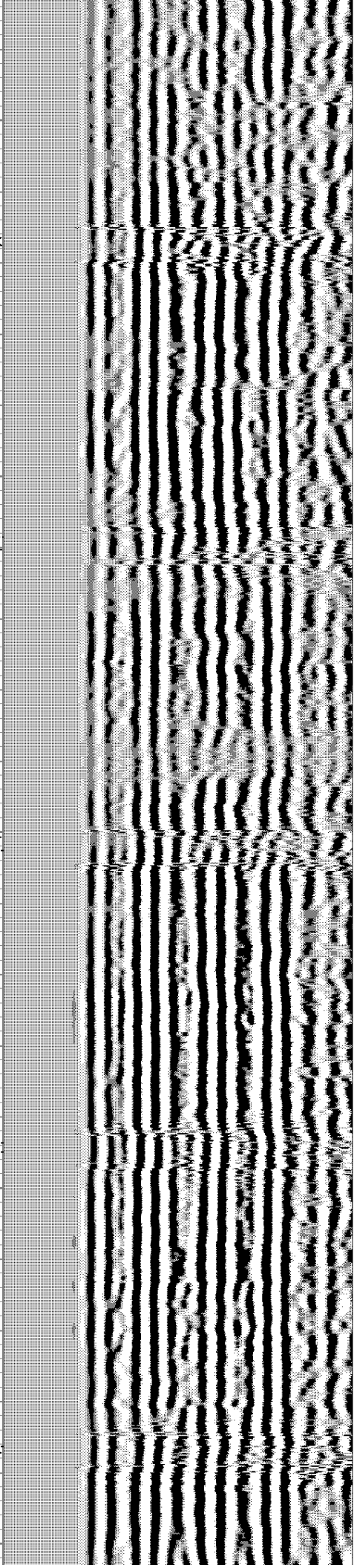
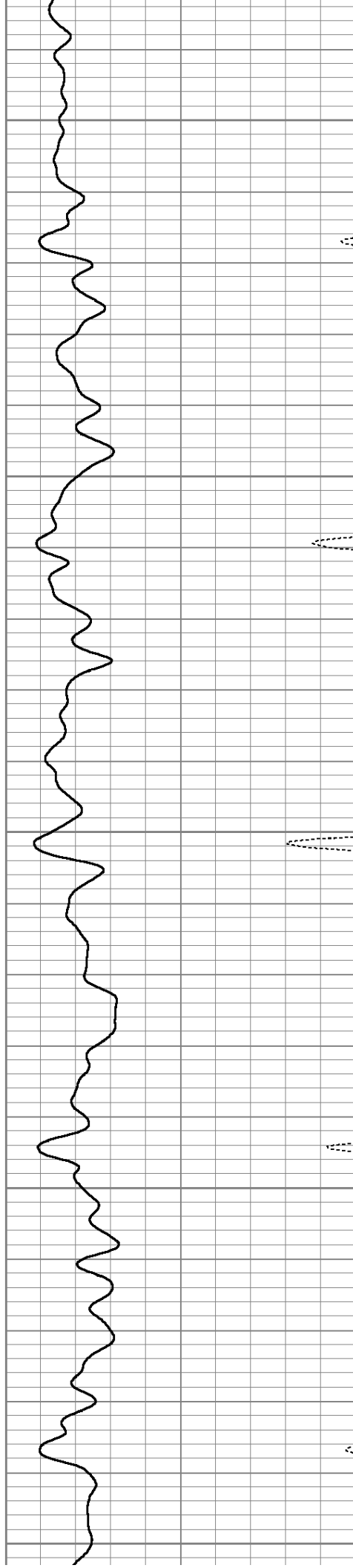
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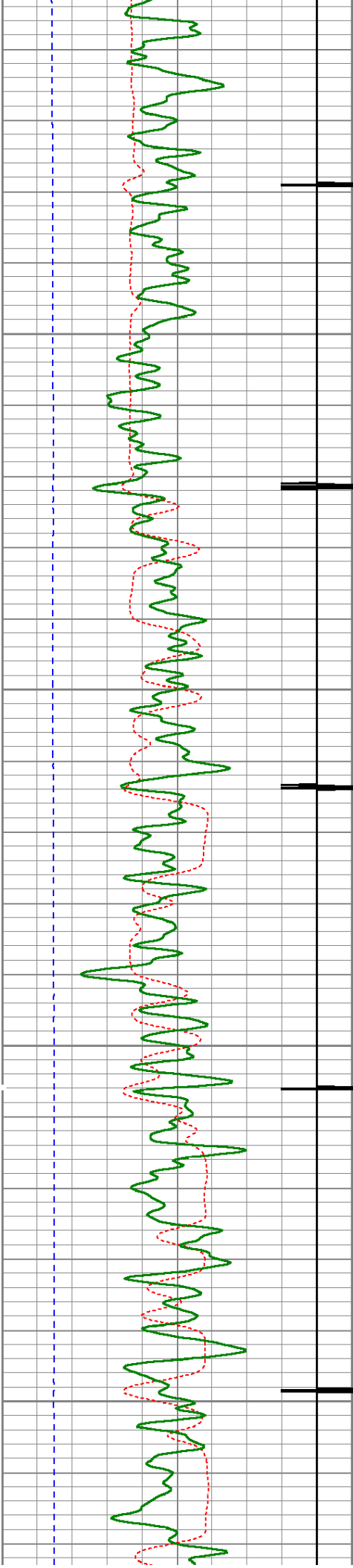
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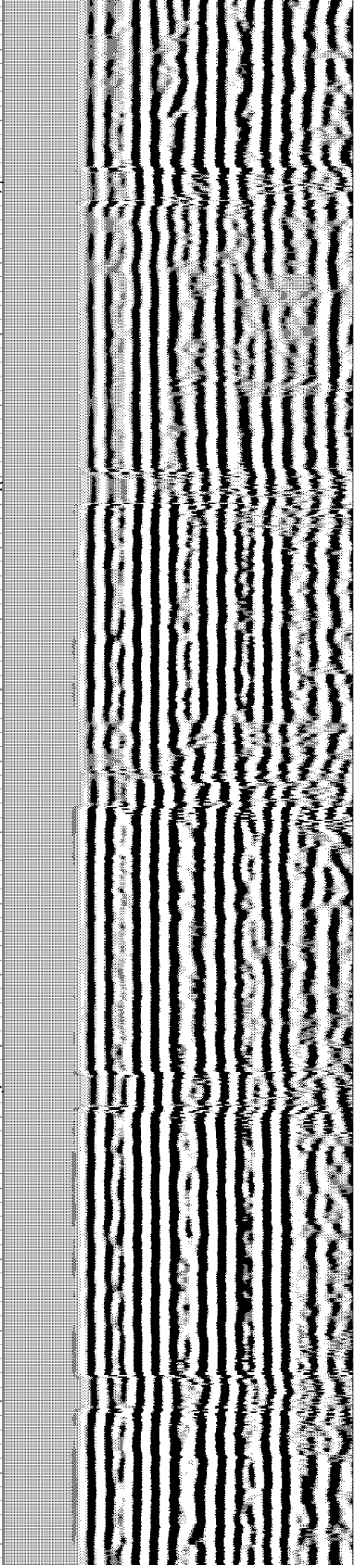
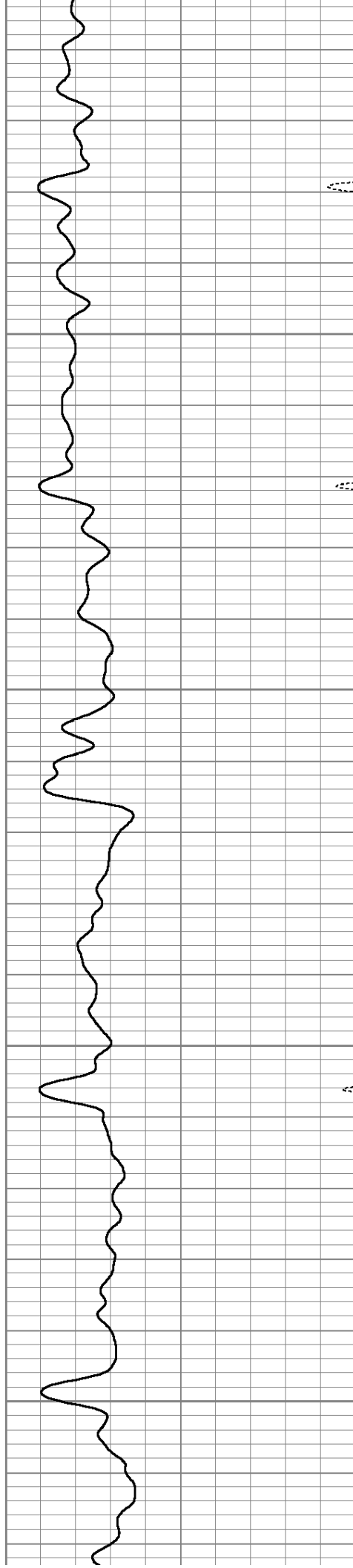


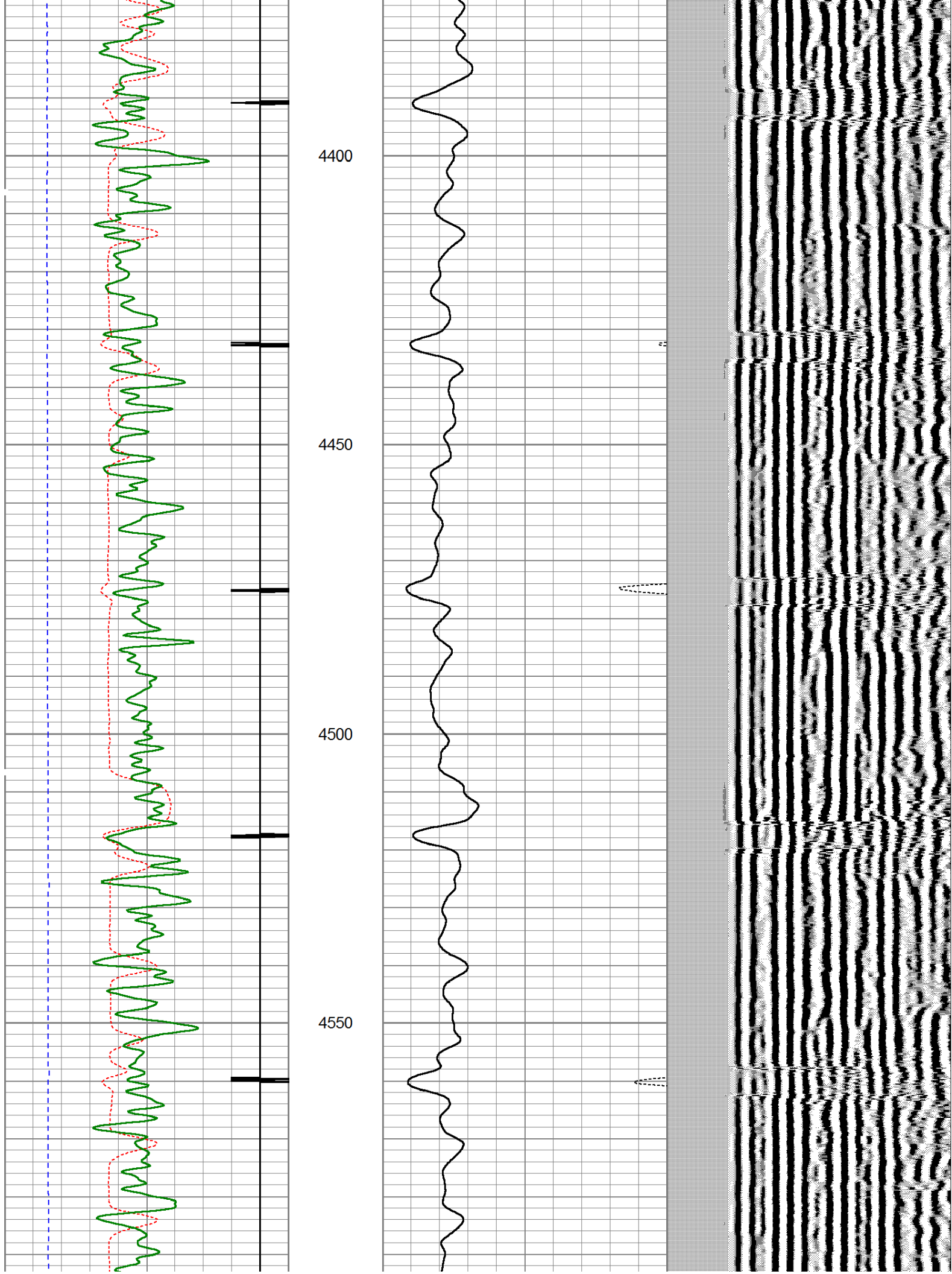
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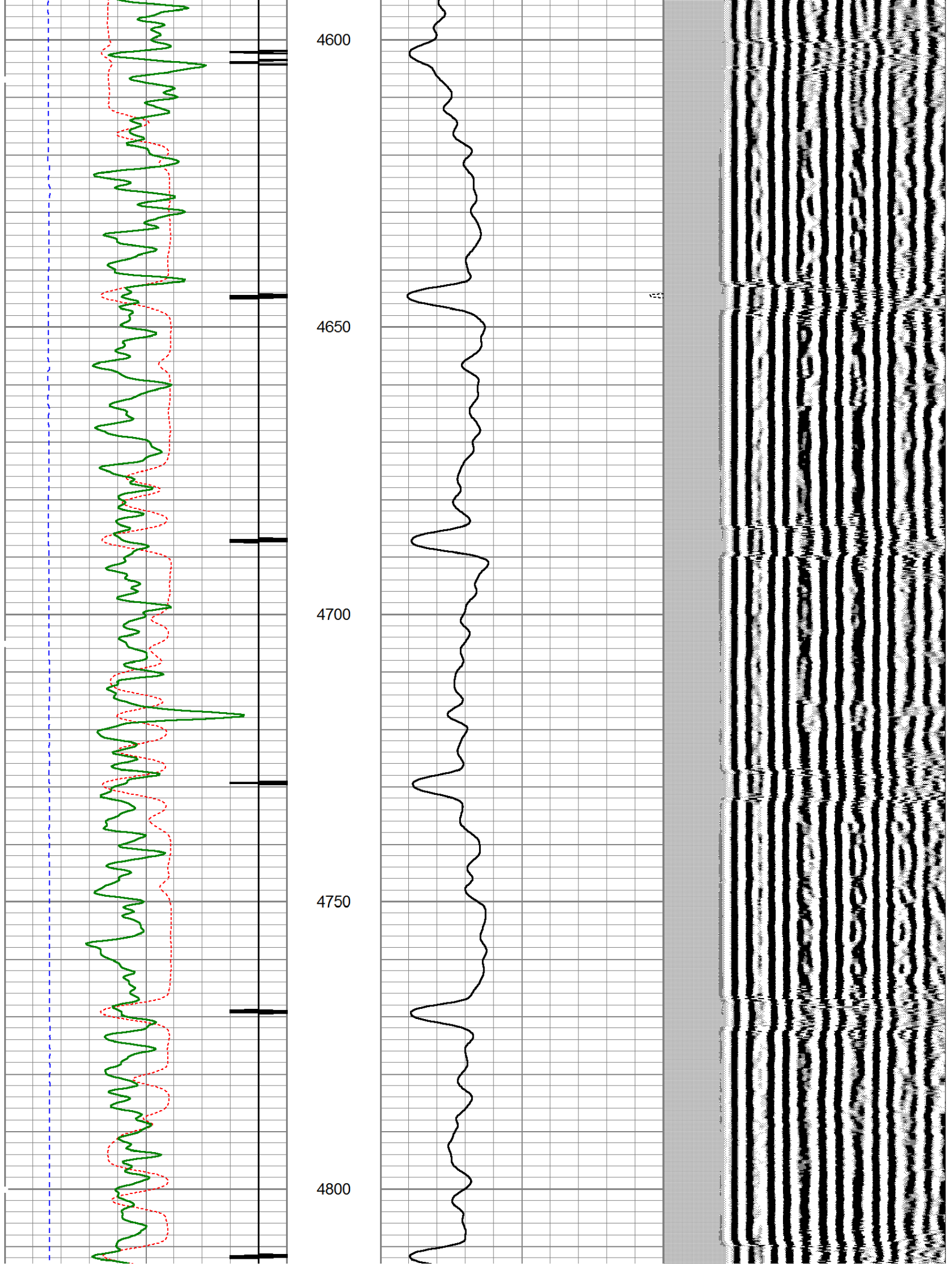
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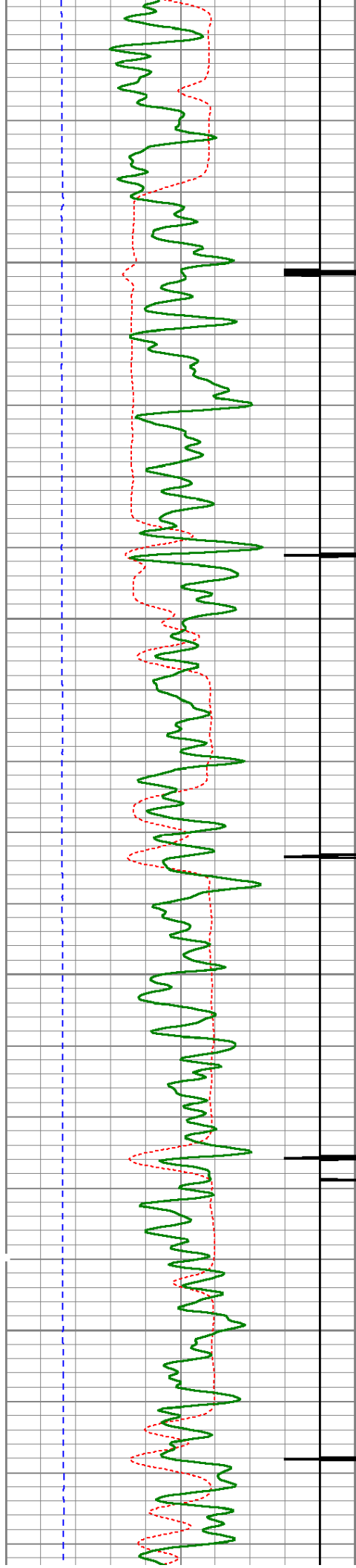
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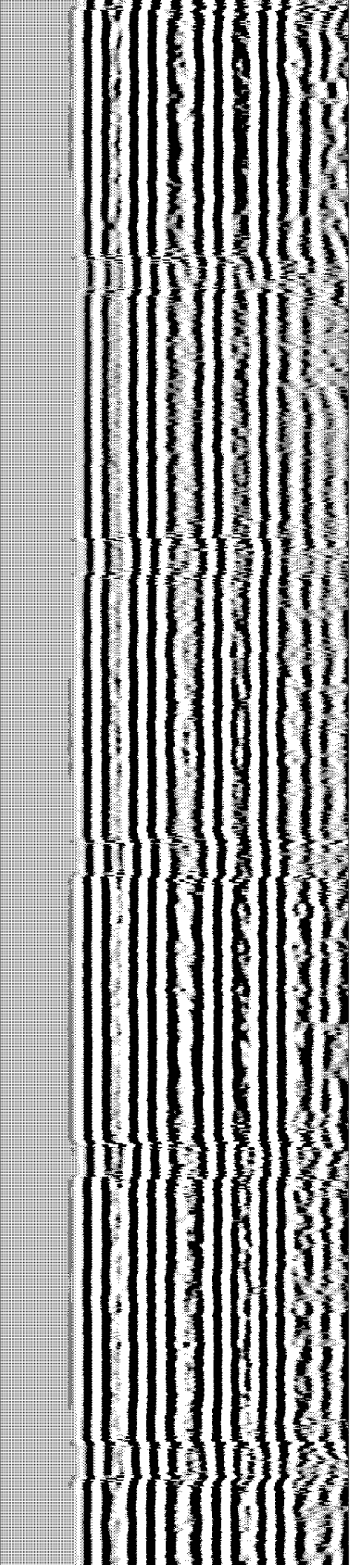
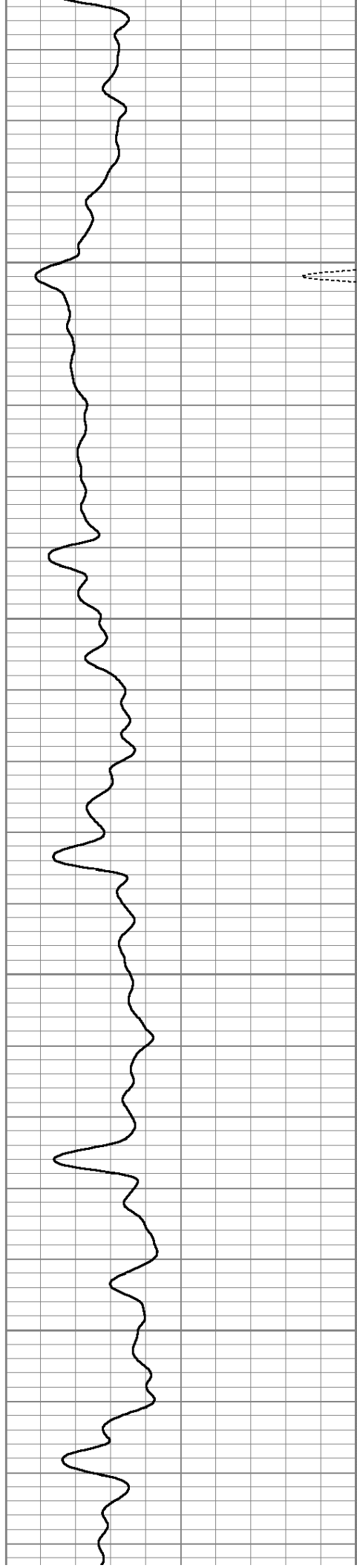


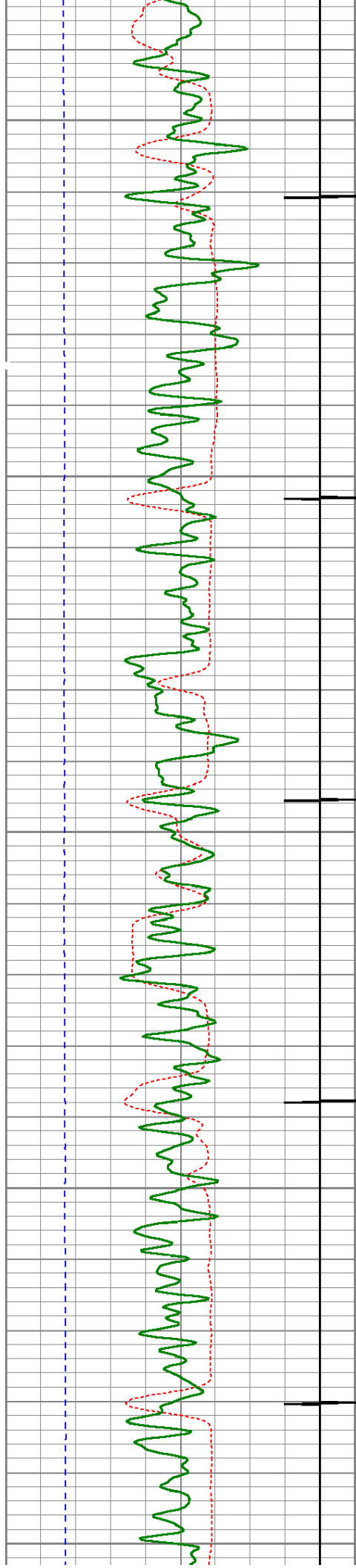
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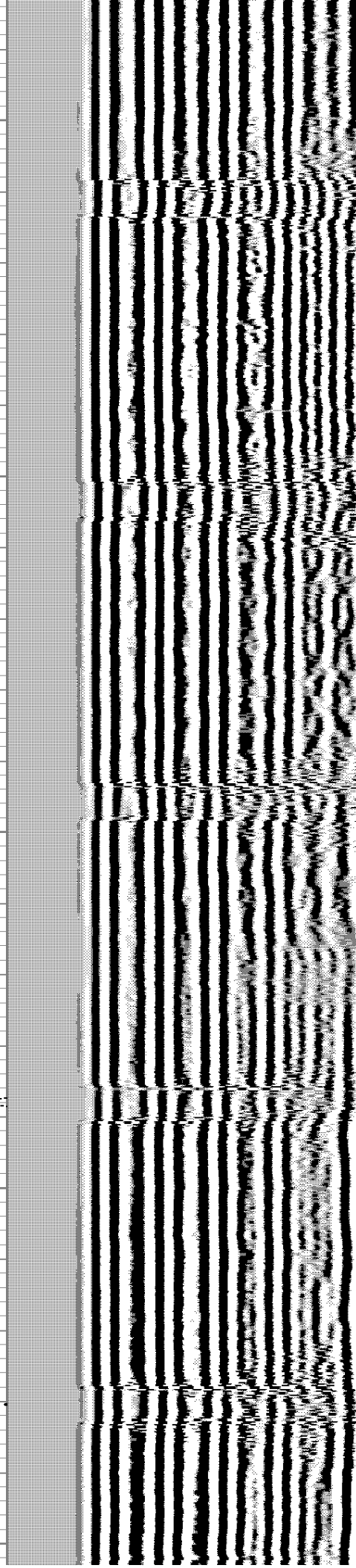
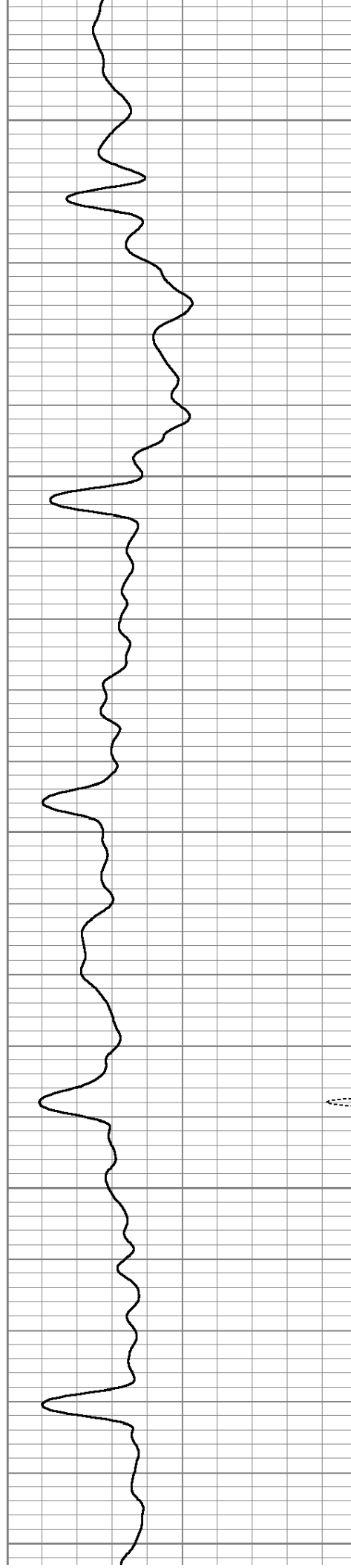
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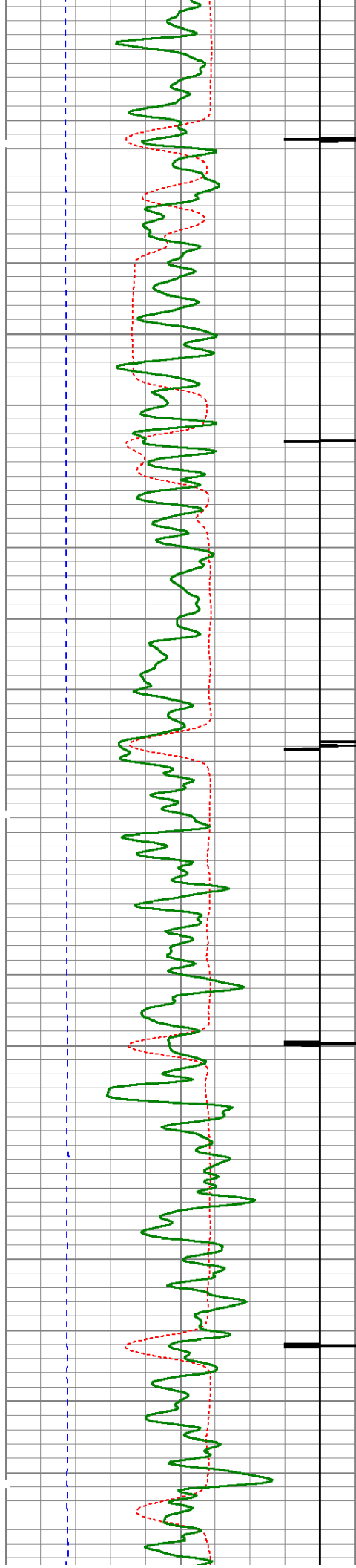
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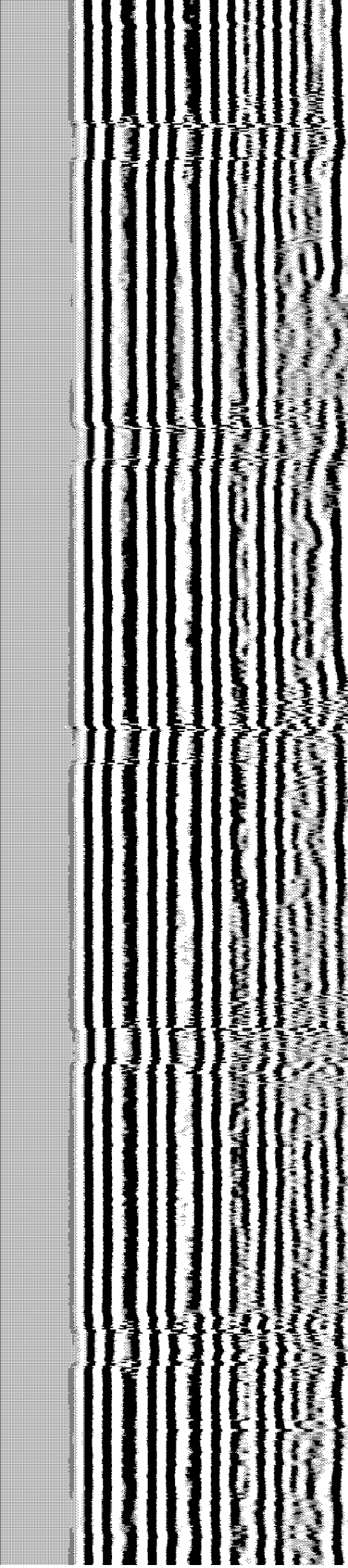
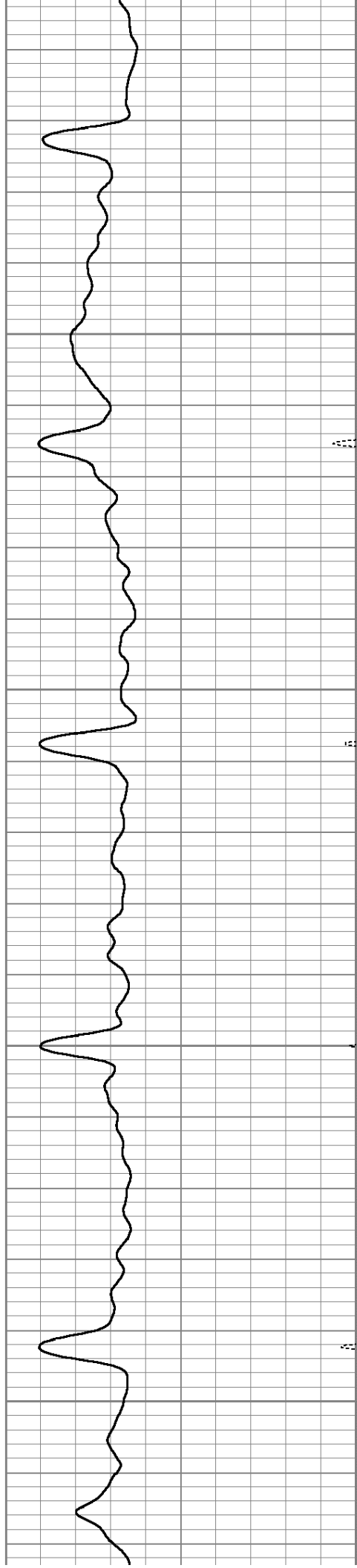


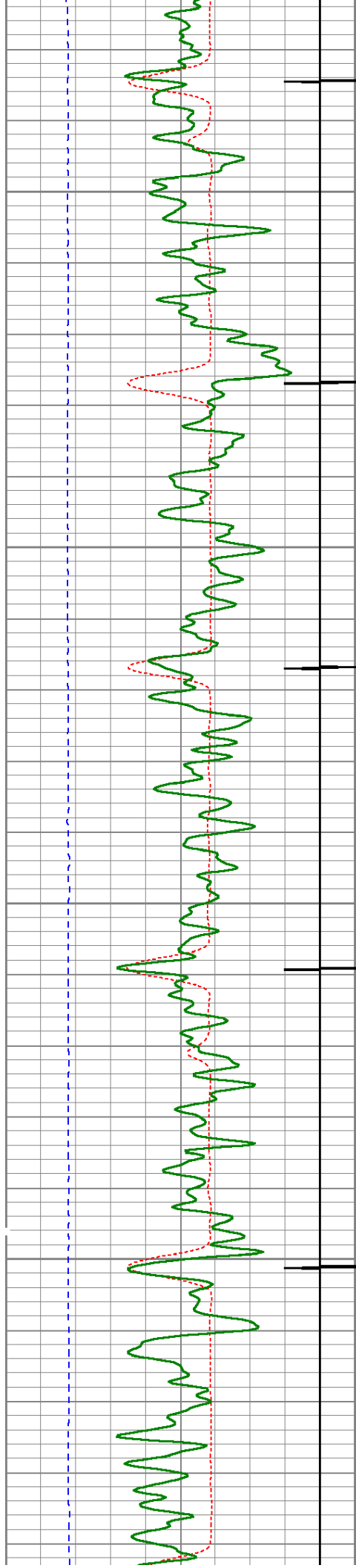
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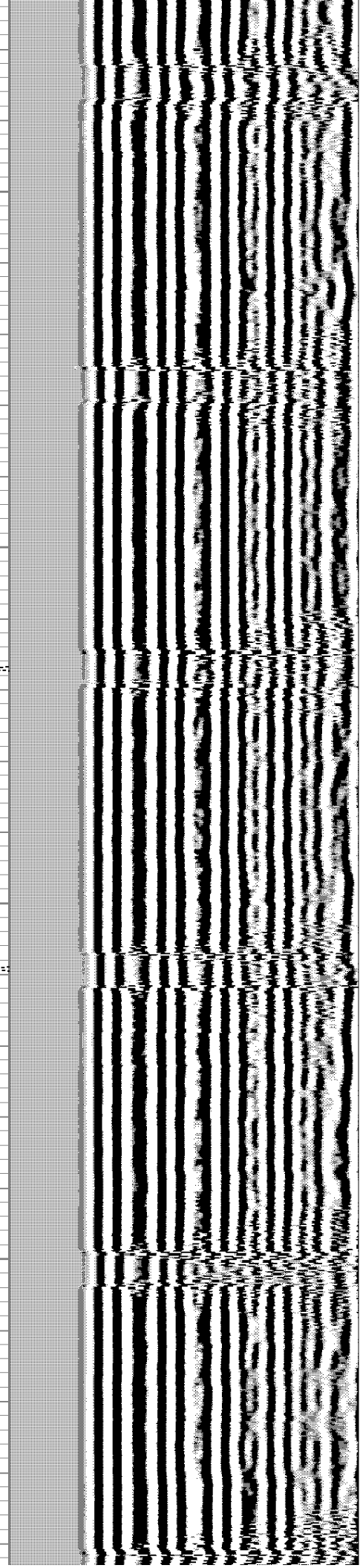
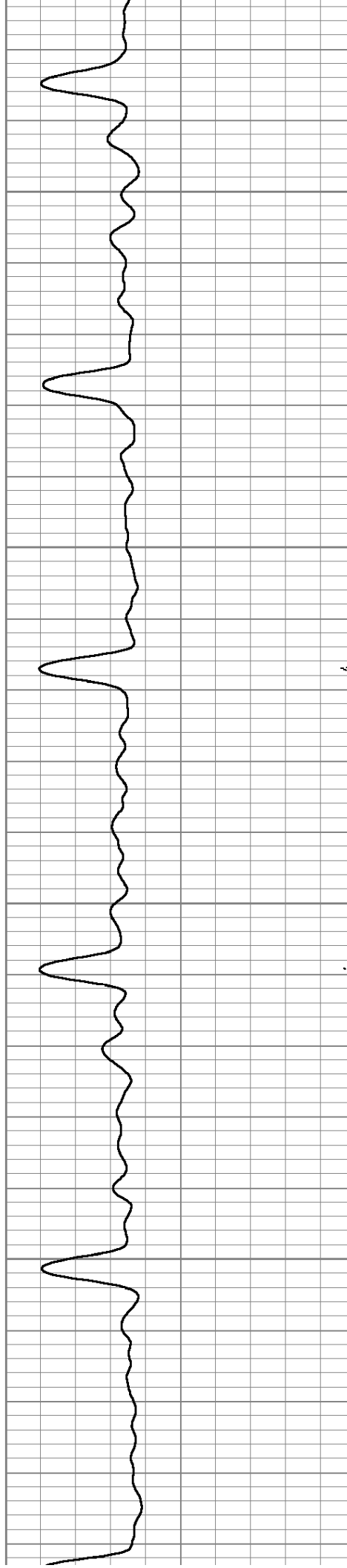


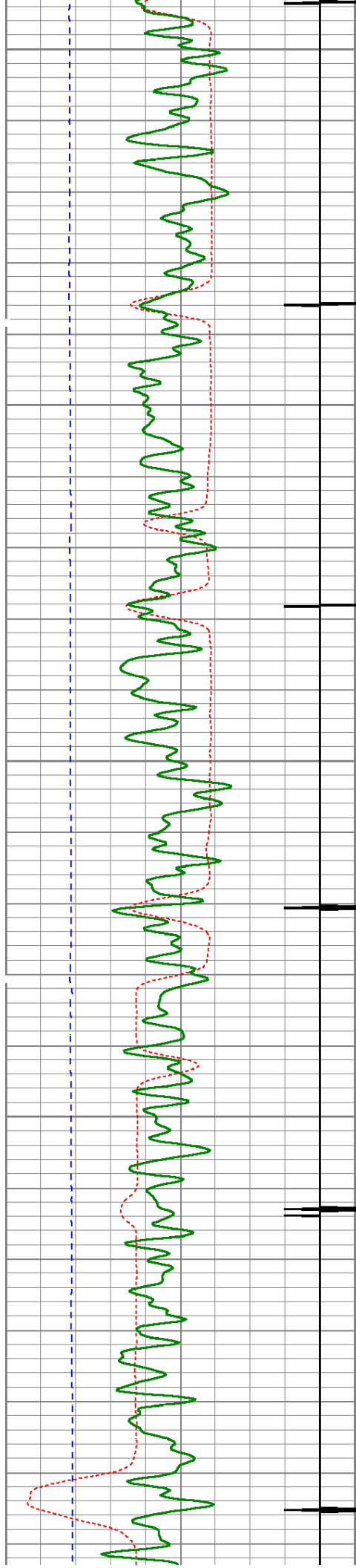
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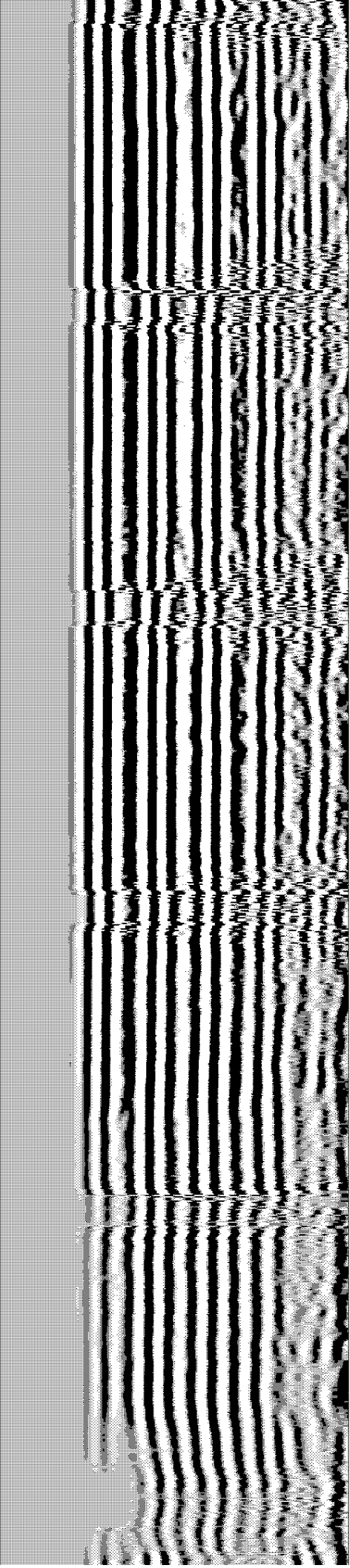
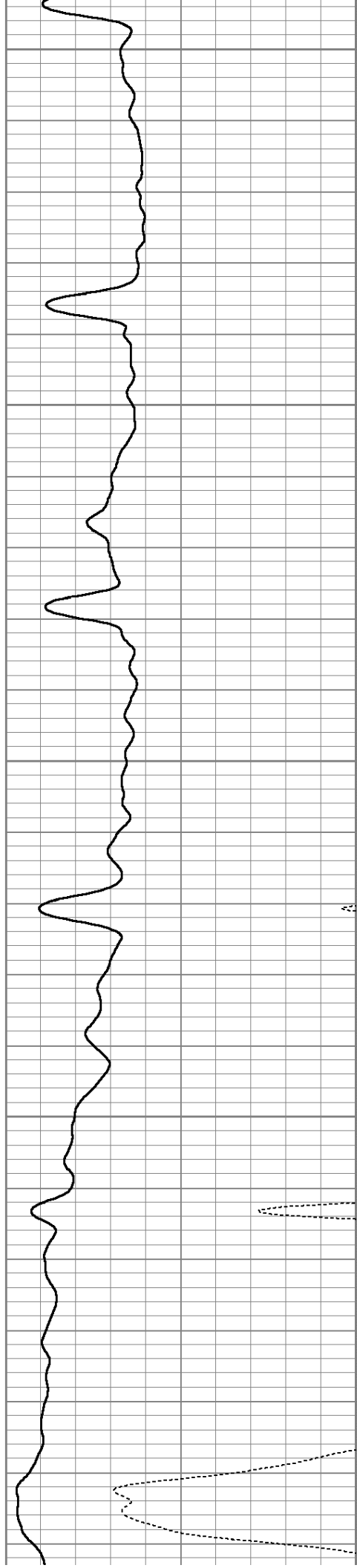
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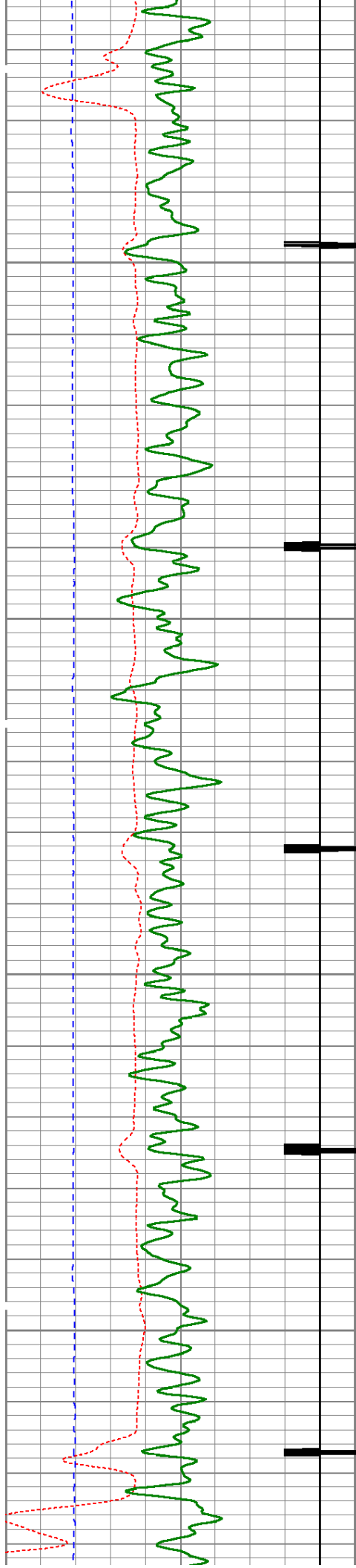
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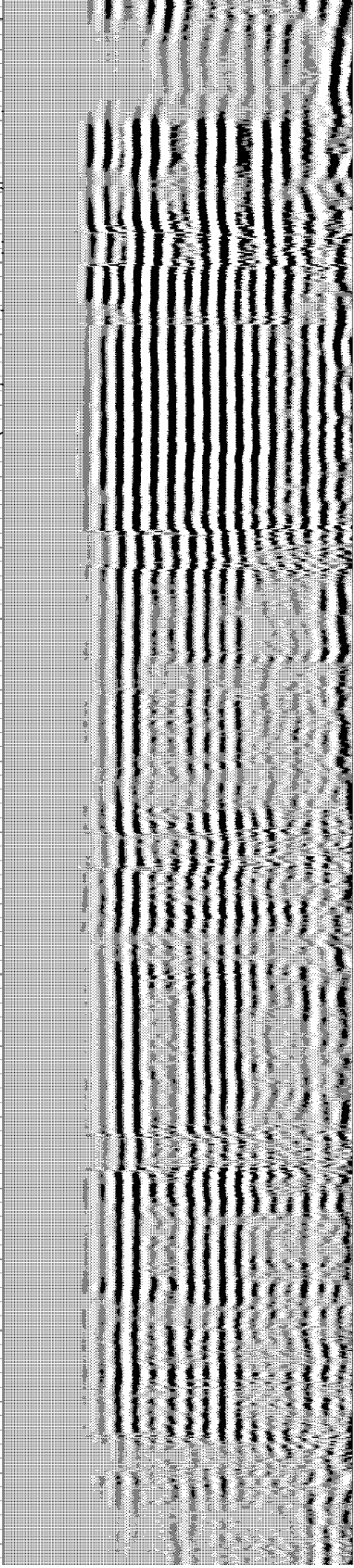
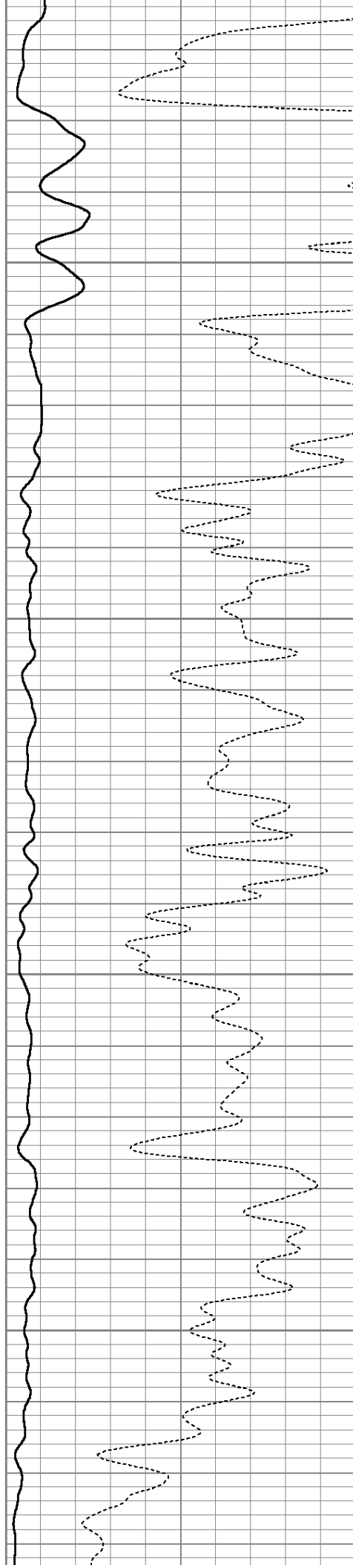


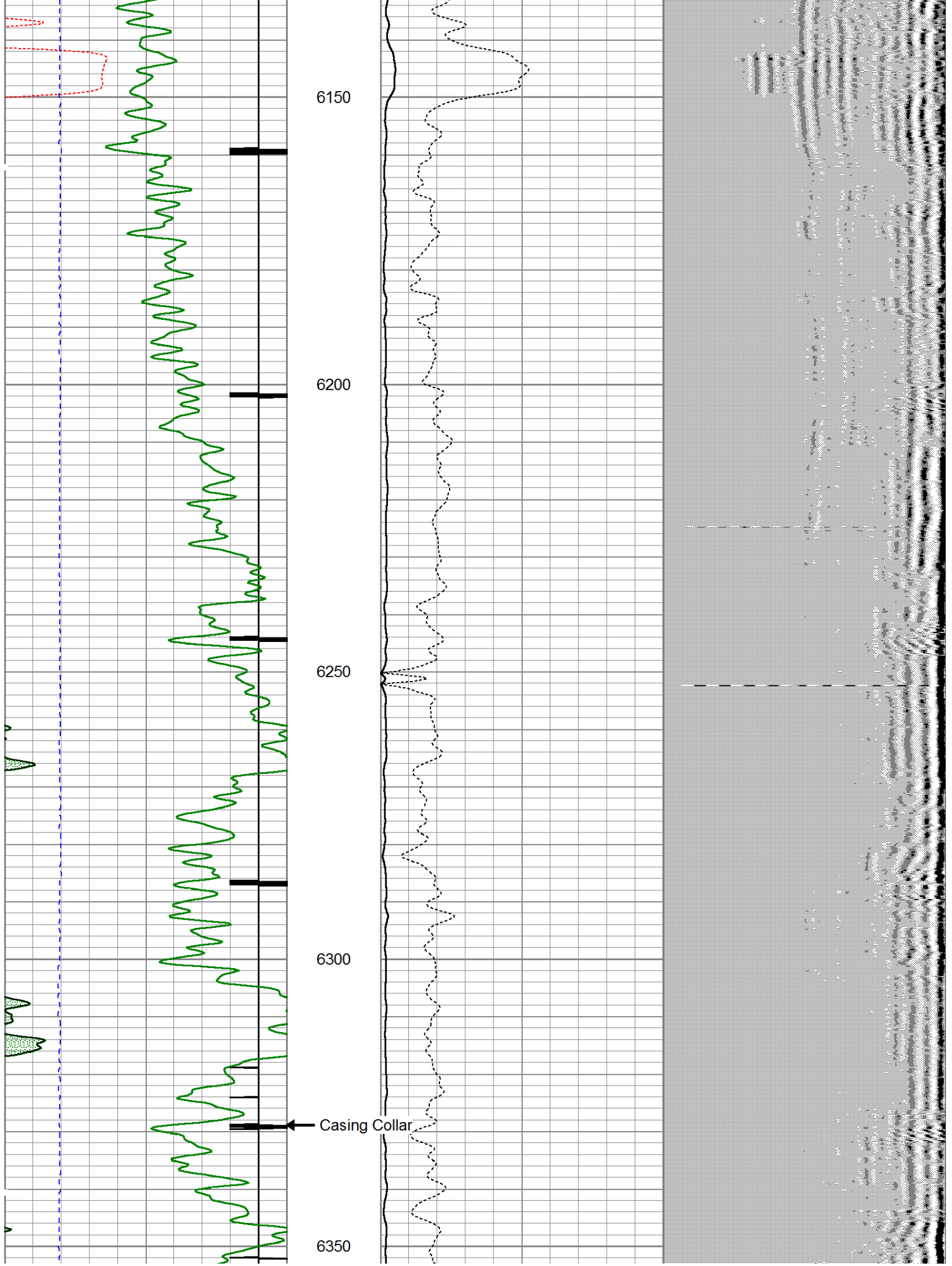
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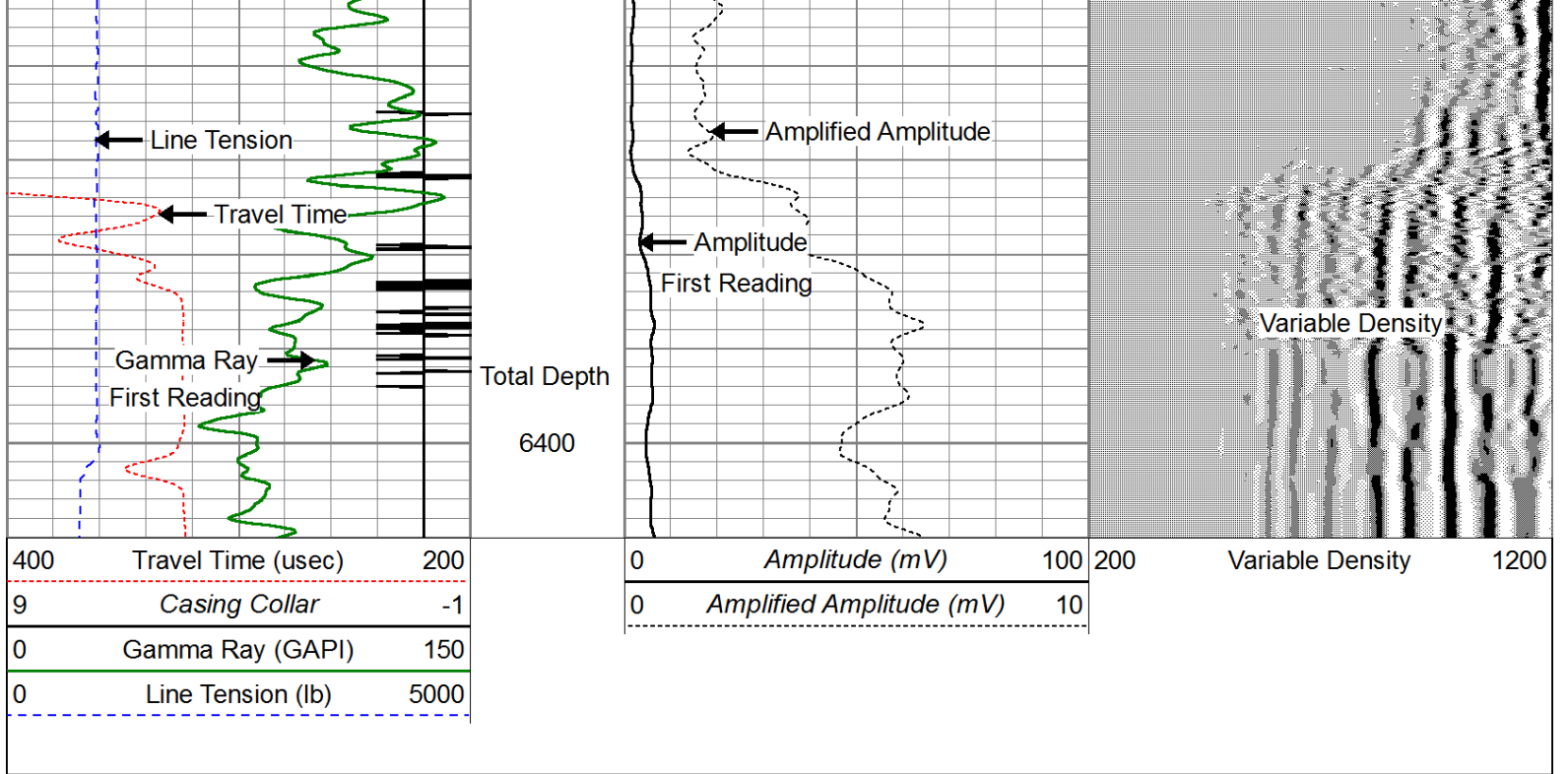
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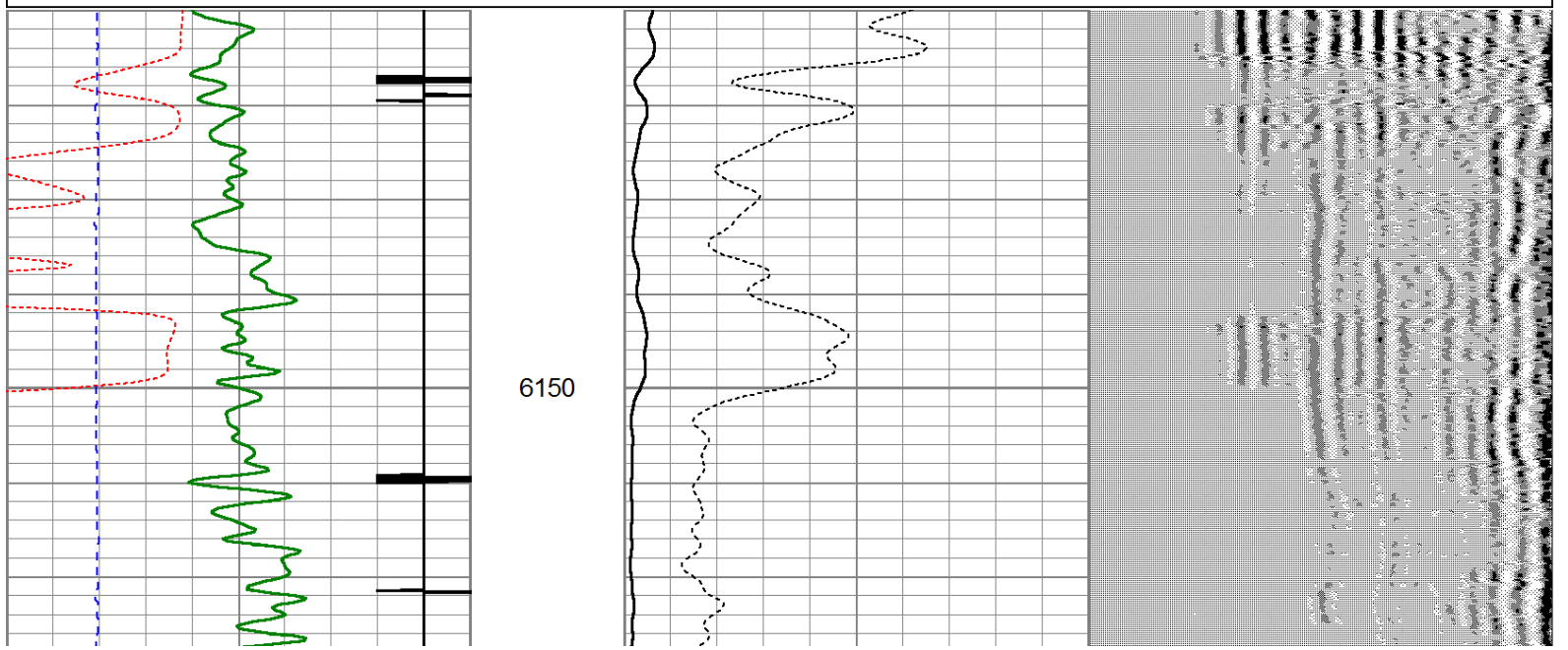


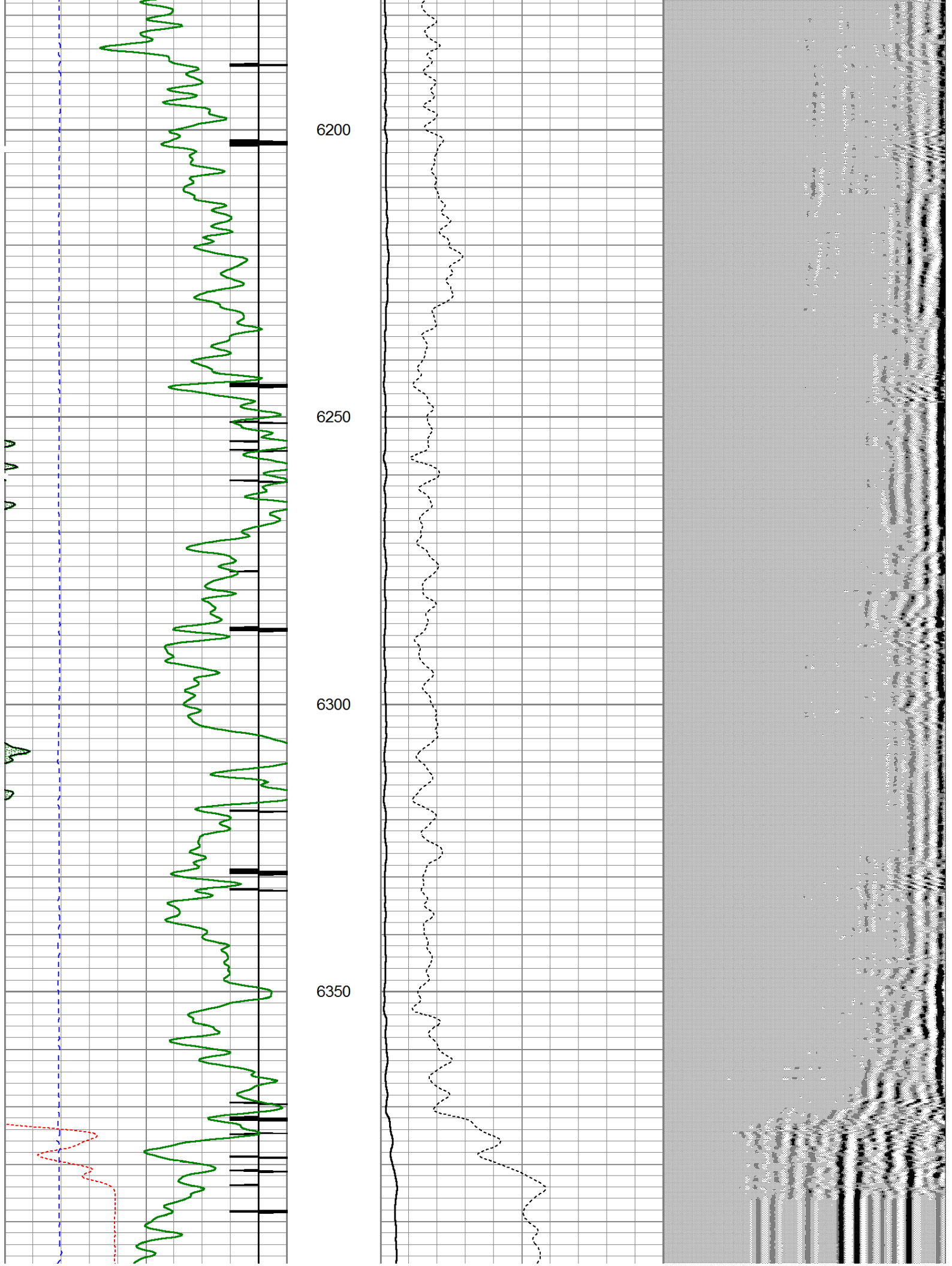


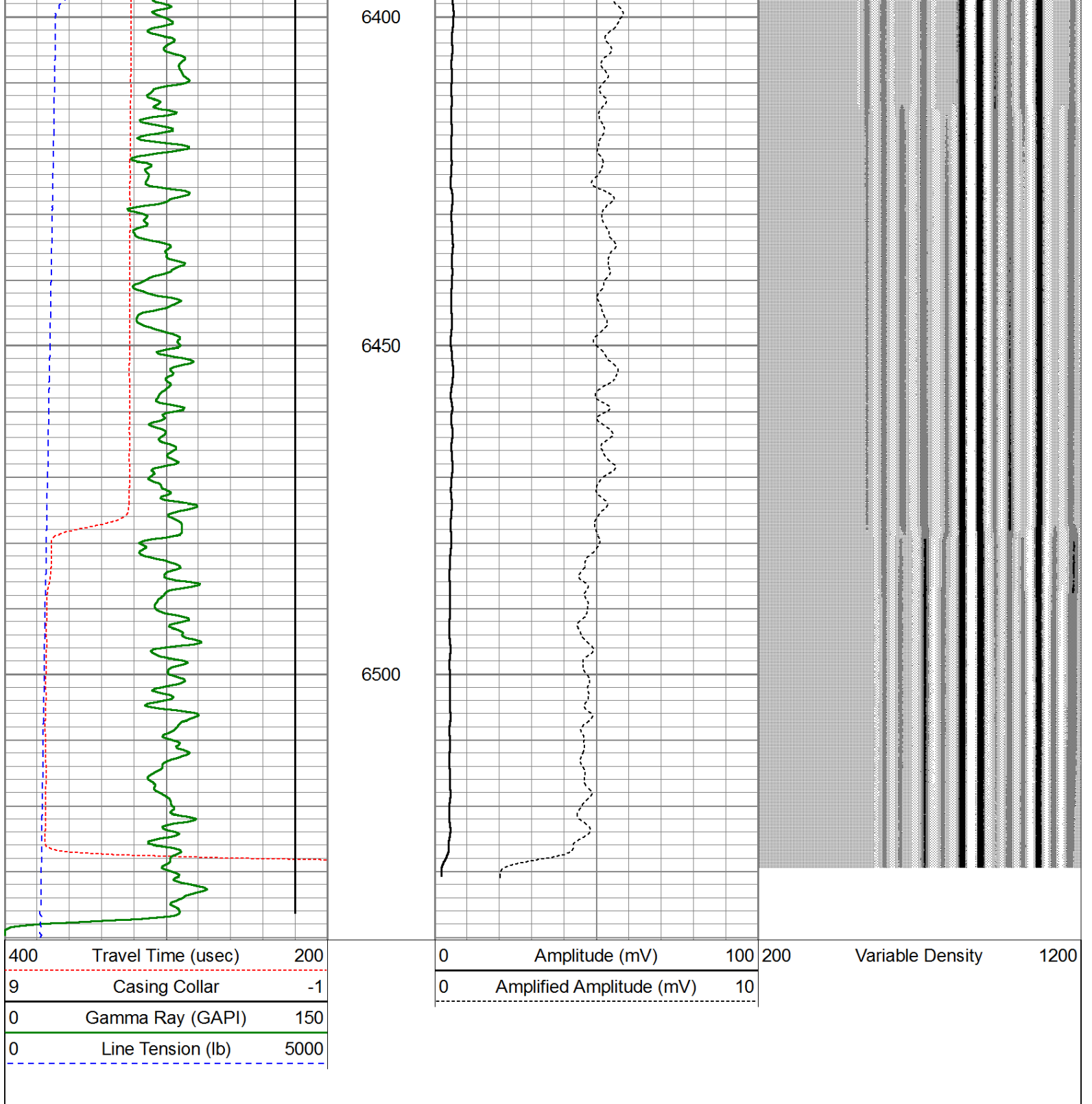
# Repeat Pass (0 PSI)

Database File: bonanza\_creek\_northplatte\_u\_y\_28hnb.db  
 Dataset Pathname: pass5  
 Presentation Format: cblprobe  
 Dataset Creation: Fri Apr 26 13:36:14 2013 by Log SCH 120126  
 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)	5000						







Calibration Report

Database File: bonanza\_creek\_northplatte\_u\_y\_28hnb.db  
 Dataset Pathname: pass7  
 Dataset Creation: Fri Apr 26 13:45:57 2013 by Log SCH 120126

Gamma Ray Calibration Report

Serial Number: 110108-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: 101203  
 Tool Model: Probe  
 Calibration Casing Diameter: 7.000 in  
 Calibration Depth: 652.494 ft

Master Calibration, performed Fri Apr 26 13:20:29 2013:

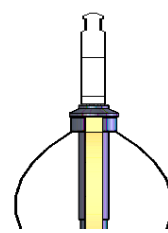
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.006	0.379	1.000	62.165	158.695	2.027
CAL	-0.011	0.540				
5'	-0.004	0.426	1.000	62.165	142.053	1.636
SUM						
S1	-0.006	0.421	0.000	100.000	233.997	1.485
S2	-0.007	0.369	0.000	100.000	265.974	1.747
S3	-0.012	0.338	0.000	100.000	285.684	3.393
S4	-0.011	0.347	0.000	100.000	279.753	2.998
S5	-0.008	0.400	0.000	100.000	244.852	1.967
S6	-0.010	0.466	0.000	100.000	210.008	2.169
S7	-0.010	0.481	0.000	100.000	203.832	1.983
S8	-0.010	0.395	0.000	100.000	246.844	2.588

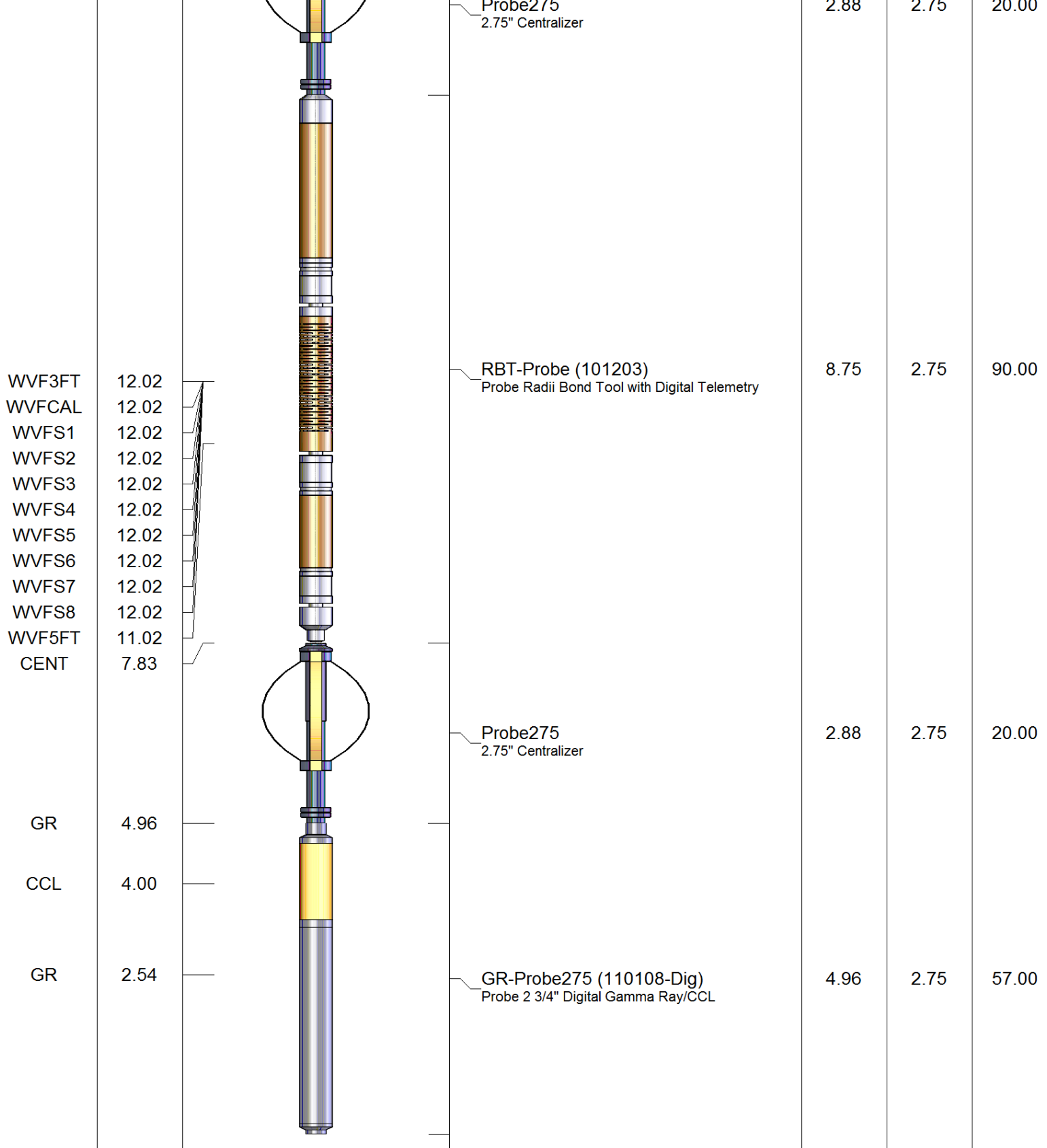
Internal Reference Calibration, performed Sat Mar 26 08:06:02 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.011	0.540	1.000	0.000

Air Zero Calibration, performed Fri Apr 26 12:55:37 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)
CHD	20.46		Titan Cable_head	1.00	1.44	10.00
CENT	19.46					



Dataset: bonanza\_creek\_northplatte\_u\_y\_28hnb.db: field/well/run1/pass7  
 Total Length: 20.46 ft  
 Total Weight: 197.00 lb  
 O.D.: 2.75 in