



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

Company: Bonanza Creek Energy
Well: Wetco Farms J-F-4HC
Field: Wattenburg
County: Weld
State: Colorado

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Well: Wetco Farms J-F-4HC
Field: Wattenburg
County: Weld
State: Colorado

Location: 631' FNL & 1700 FWL
API #: 05-123-36767
Other Services: None

SEC 4 TWP 4 N RGE 63 W
Permanent Datum: Ground Level Elevation: 4569'
Log Measured From: Kelly Bushing 15' APD
Drilling Measured From: Kelly Bushing
Elevation: K.B. 4584'
D.F. 4585'
G.L. 4569'

Date	20-March-2013
Run Number	One
Depth Driller	11463'
Depth Logger	6897'
Bottom Logged Interval	6886'
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	0800
Time Logger on Bottom	0915
Equipment Number	12029
Location	Brighton, CO
Recorded By	R.Grisson
Witnessed By	Kurt Dodge

Borehole Record		Tubing Record					
Run Number	Bit Size	From	To	Size	Weight	From	To
1	13.5"						
2	8.75"						
3	6.125"						

Casing Record		Surface String		Production String	
Run Number	Size	Wgt/Ft	Top	Bottom	
1	9 5/8"	36#	Surface	640'	
2	7"	26#	Surface	7131'	
3	4.5"	11.6#	Surface	11463'	

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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.Grisson, C.Medina, T.Cobb

Thank You for using Allied Wireline

(303) 659-4609



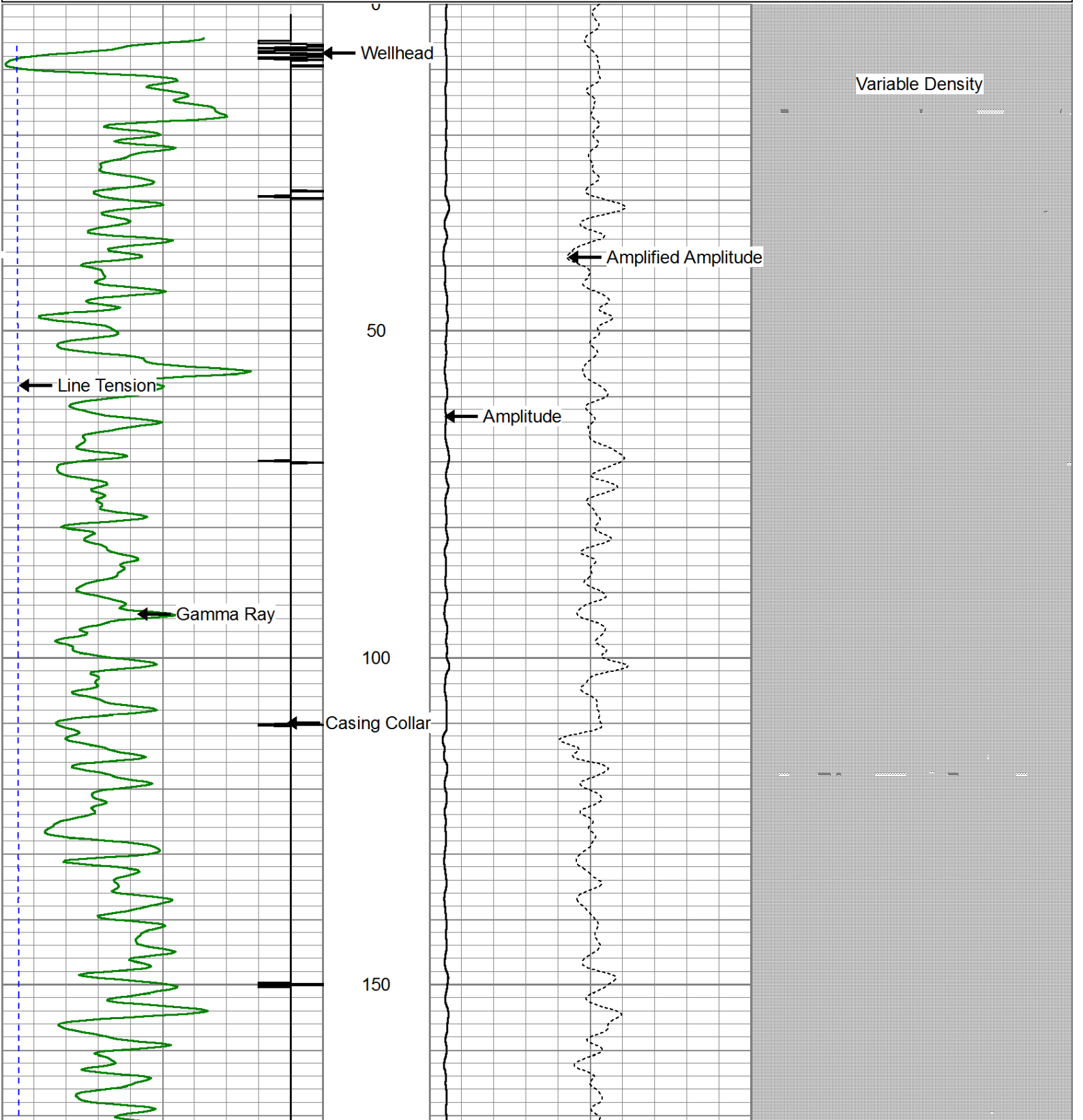
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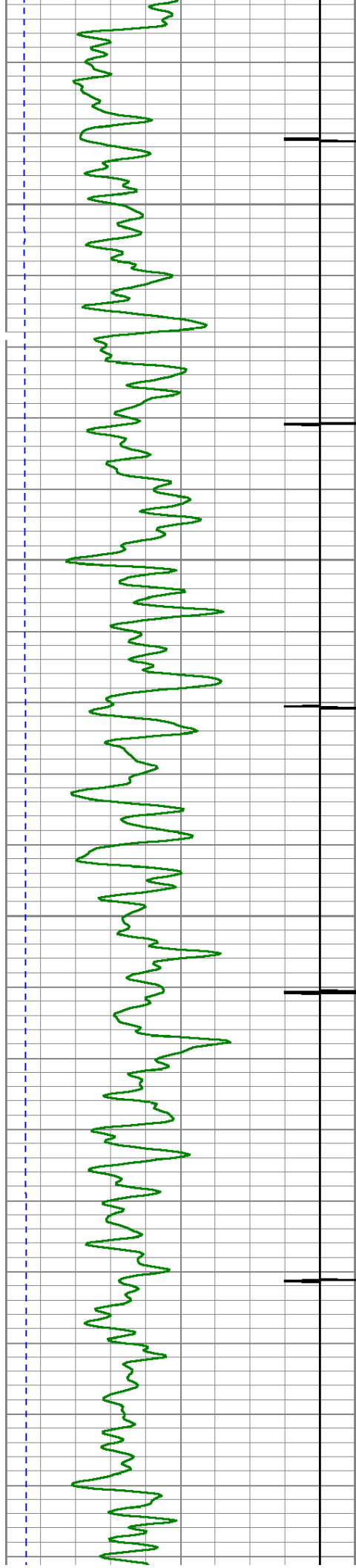
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 Dataset Pathname: pass12
 Presentation Format: cblprobe
 Dataset Creation: Thu Mar 21 11:38:27 2013
 Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200
9	Collar Locator	-1
0	GR (GAPI)	150
0	Line Tension (lb)	5000

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

200 Variable Density 1200



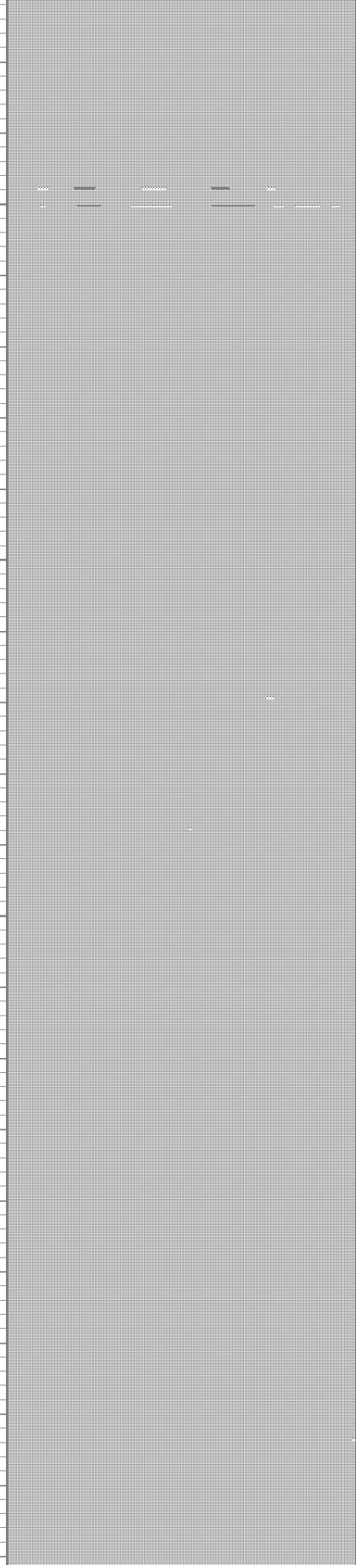
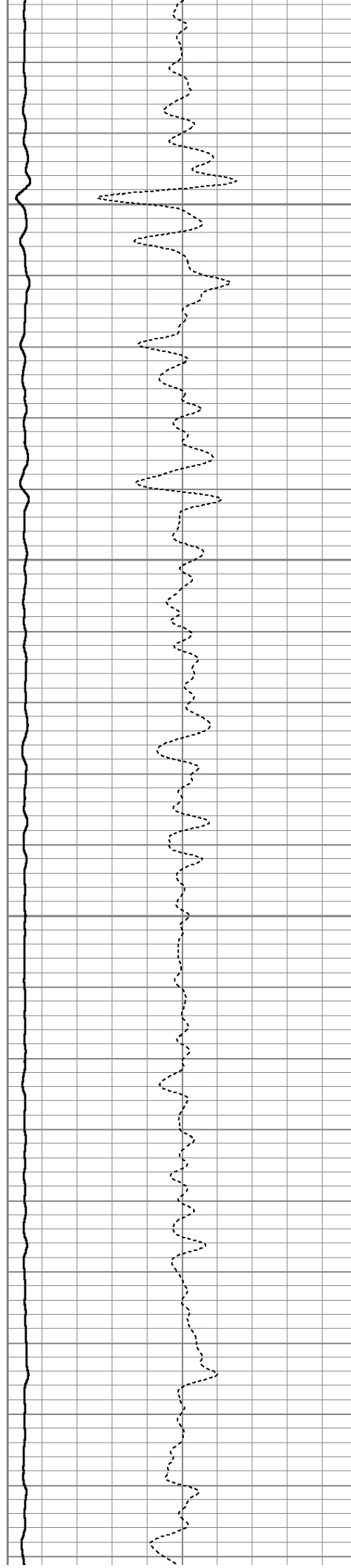


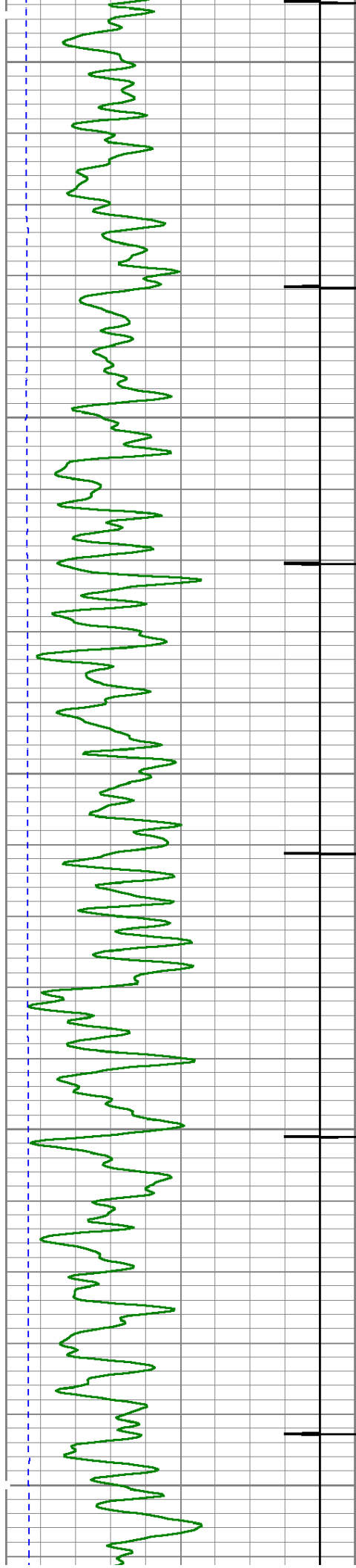
200

250

300

350





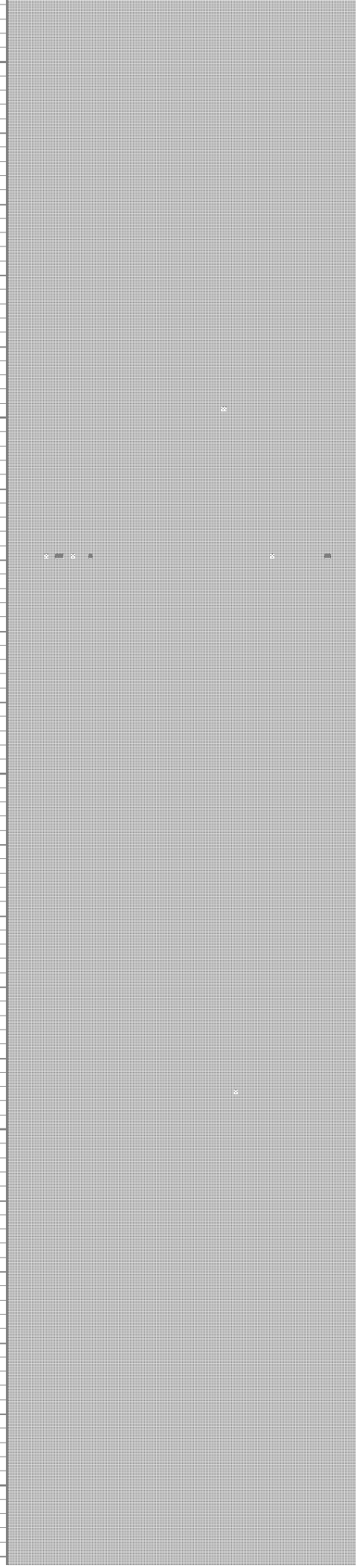
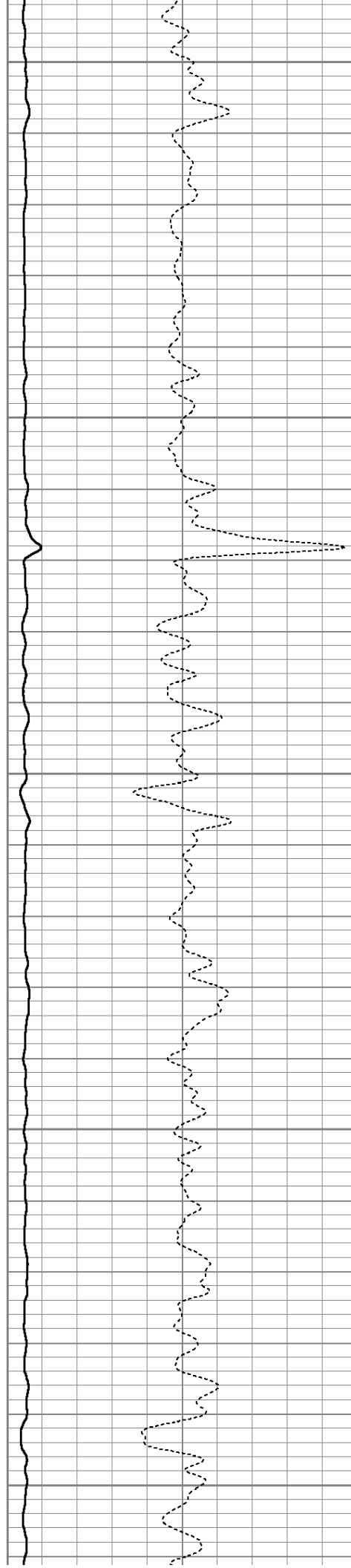
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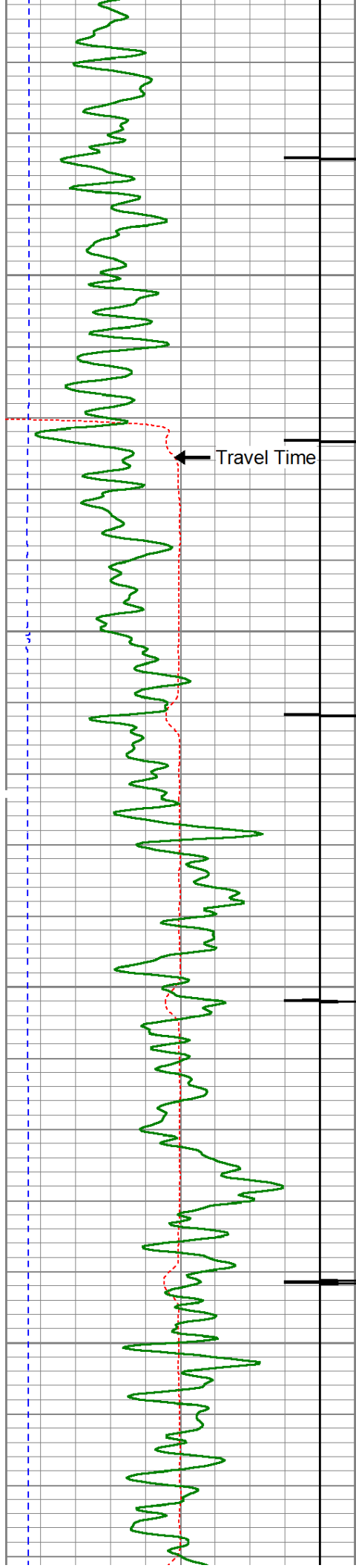
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500

550

600





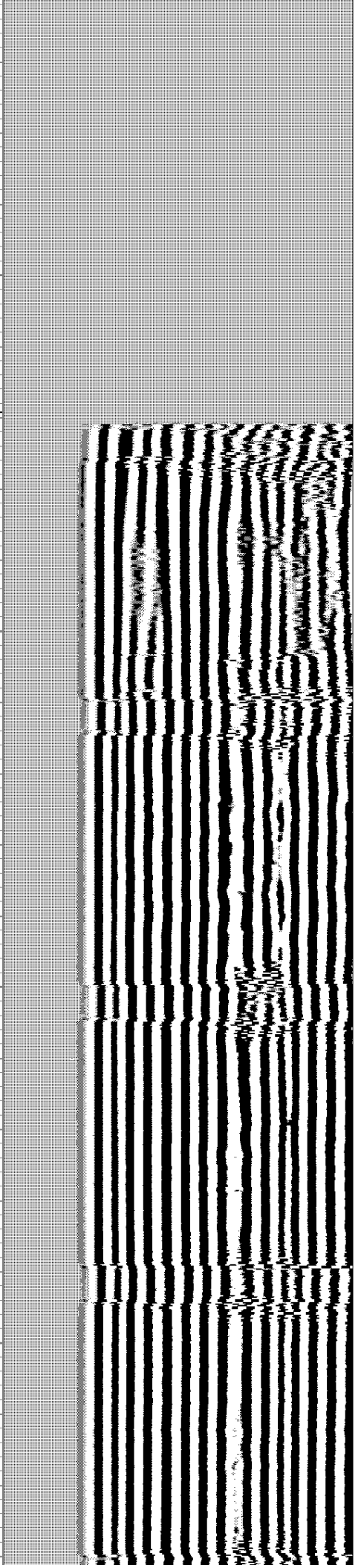
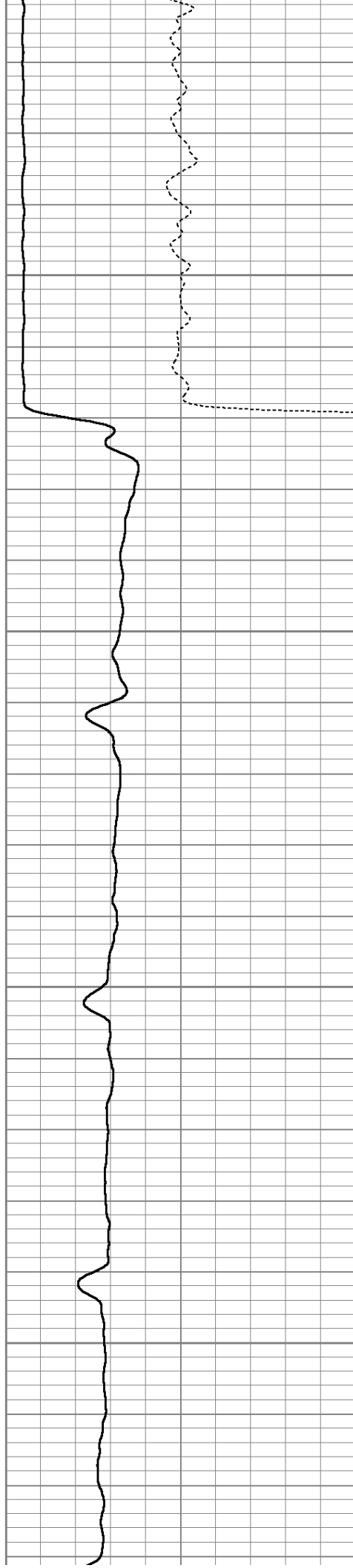
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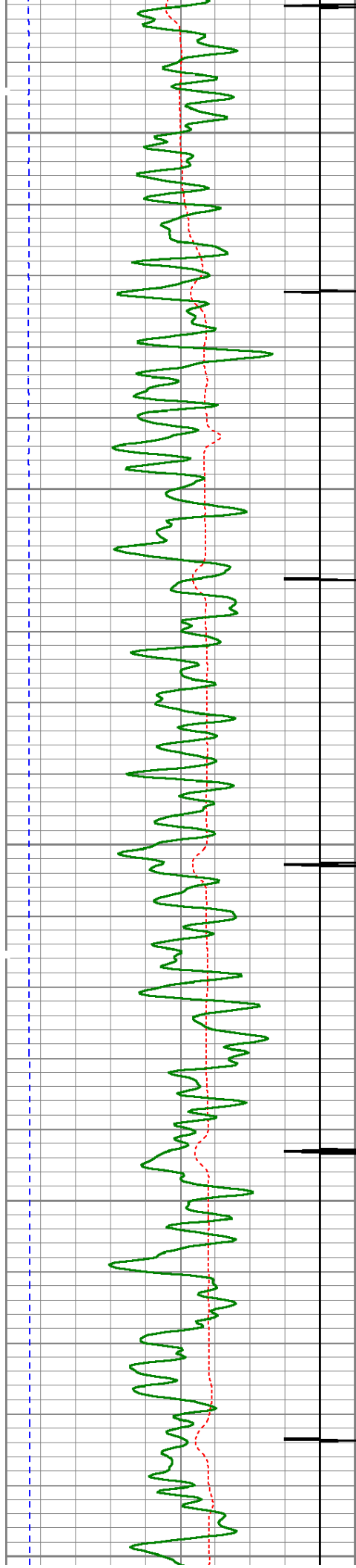
Fluid Level

700

750

800





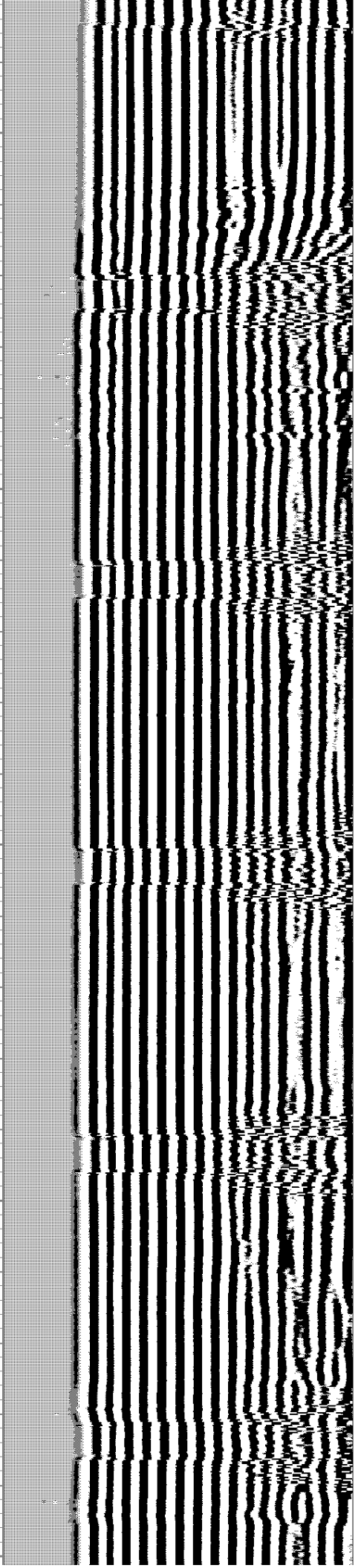
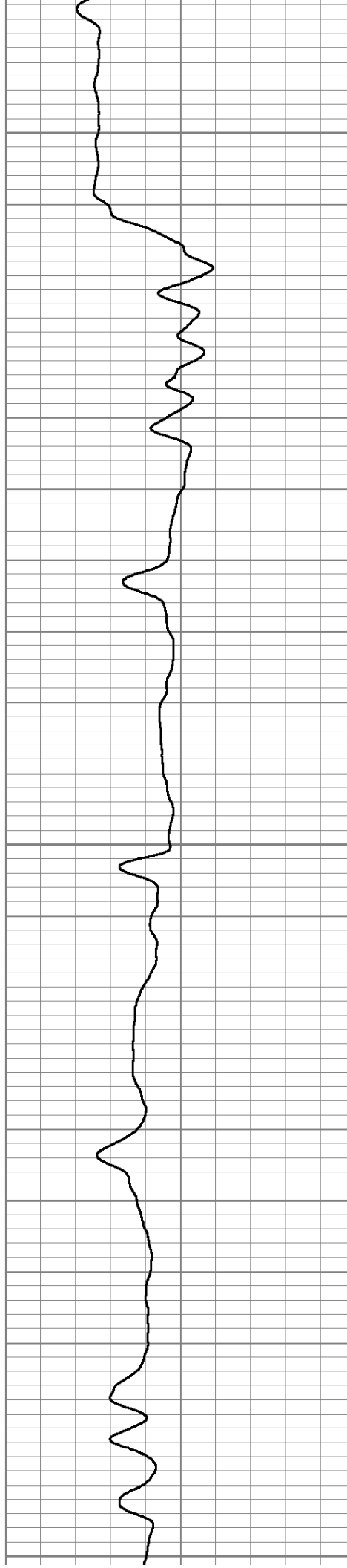
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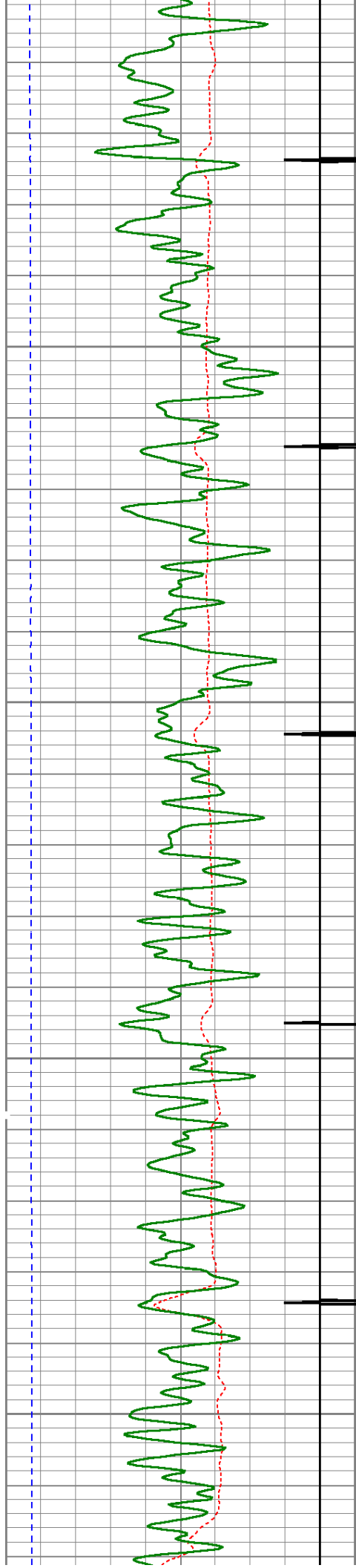
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950

1000

1050



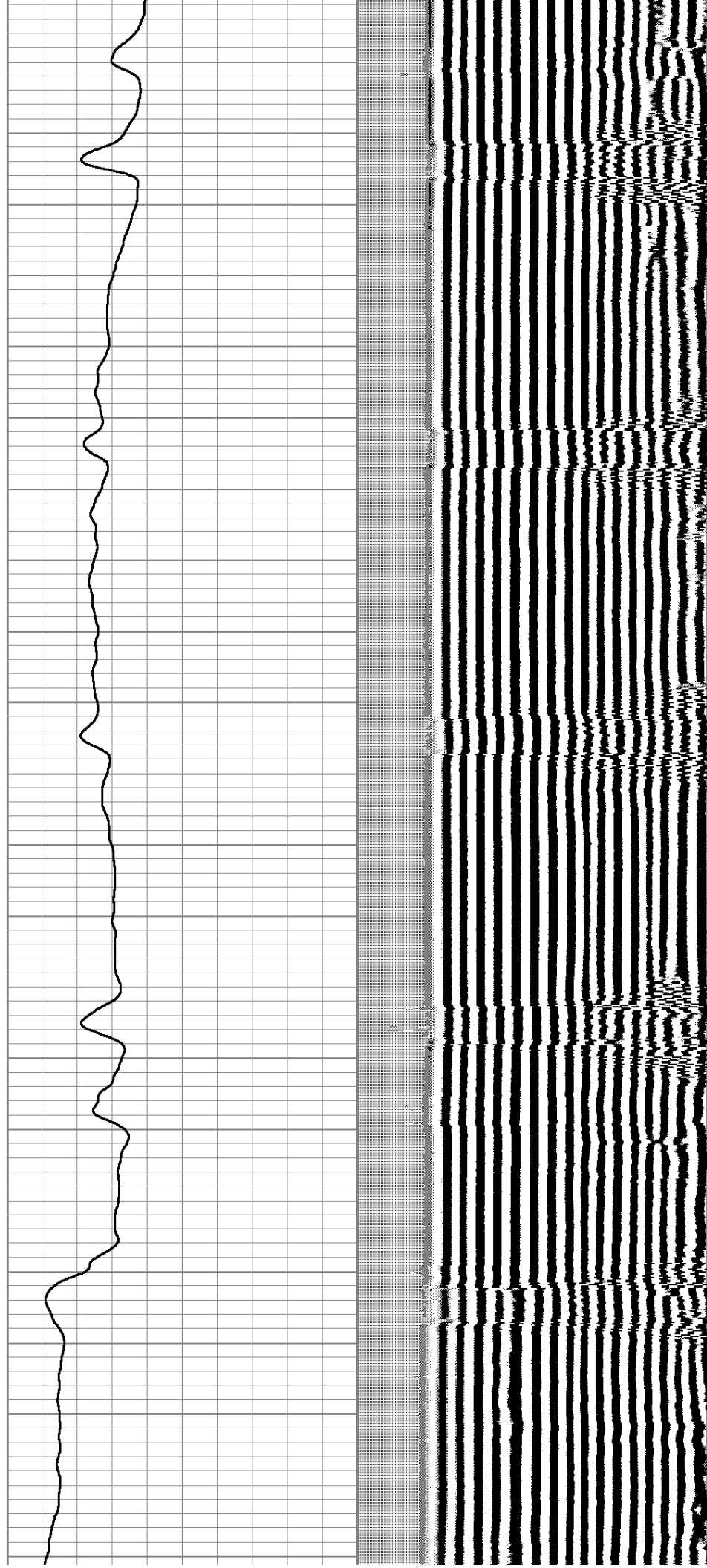


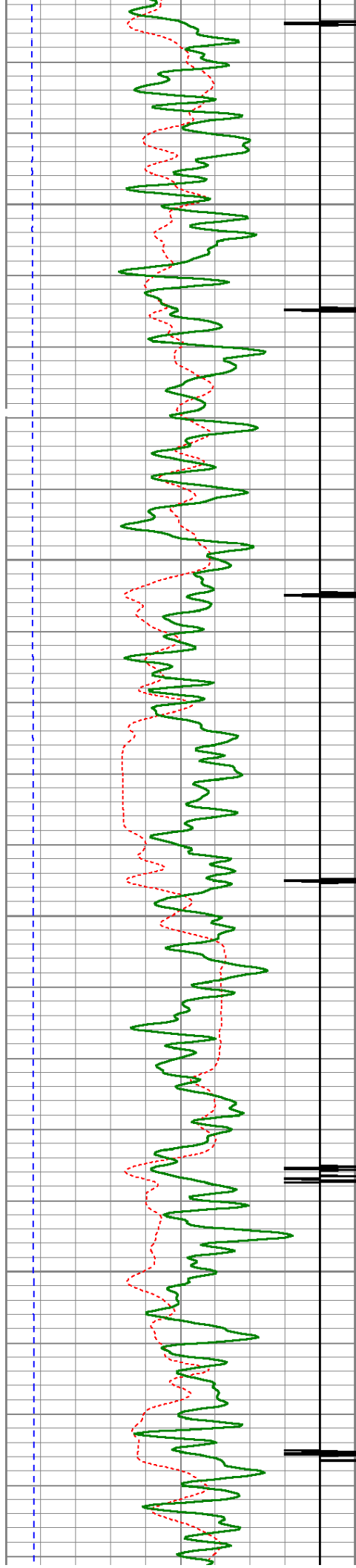
1100

1150

1200

1250



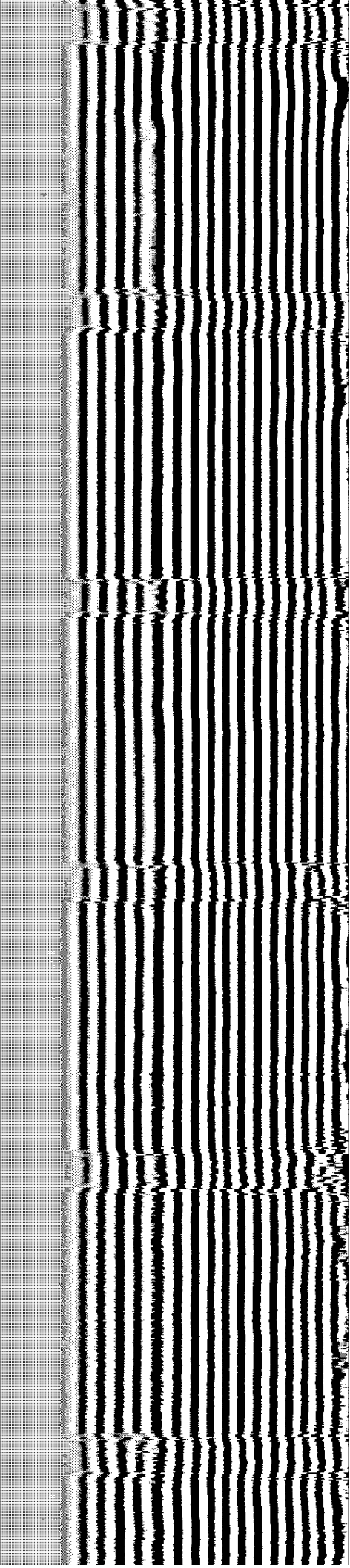
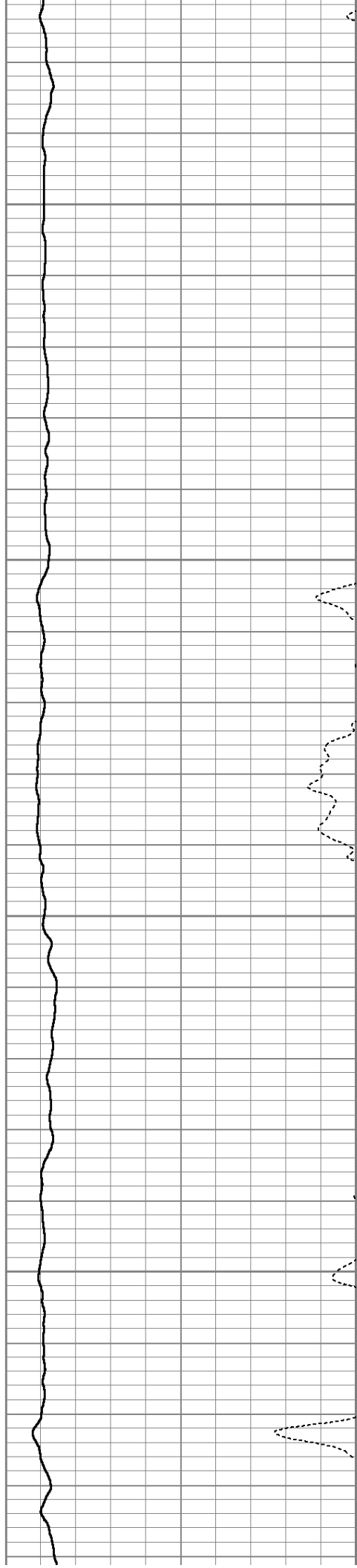


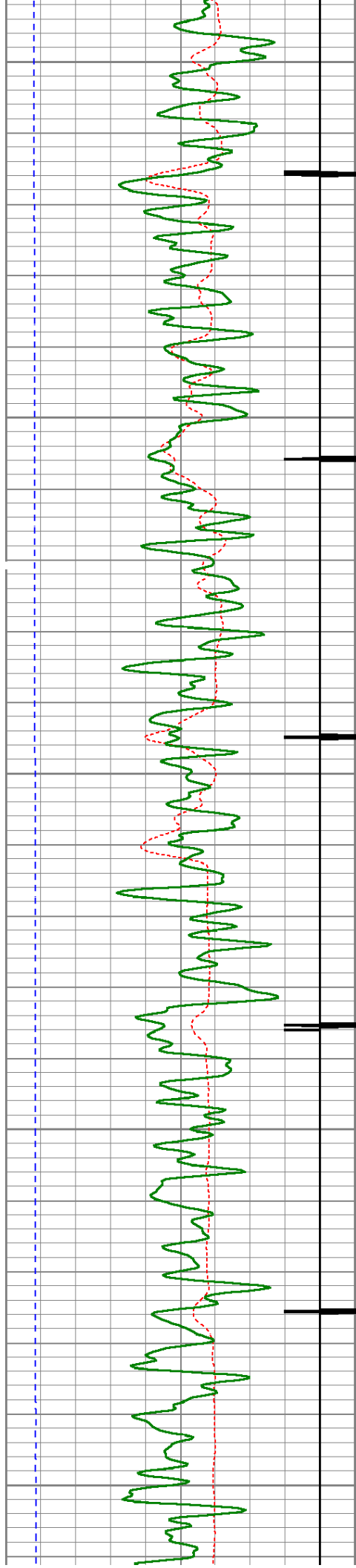
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1350

1400

1450





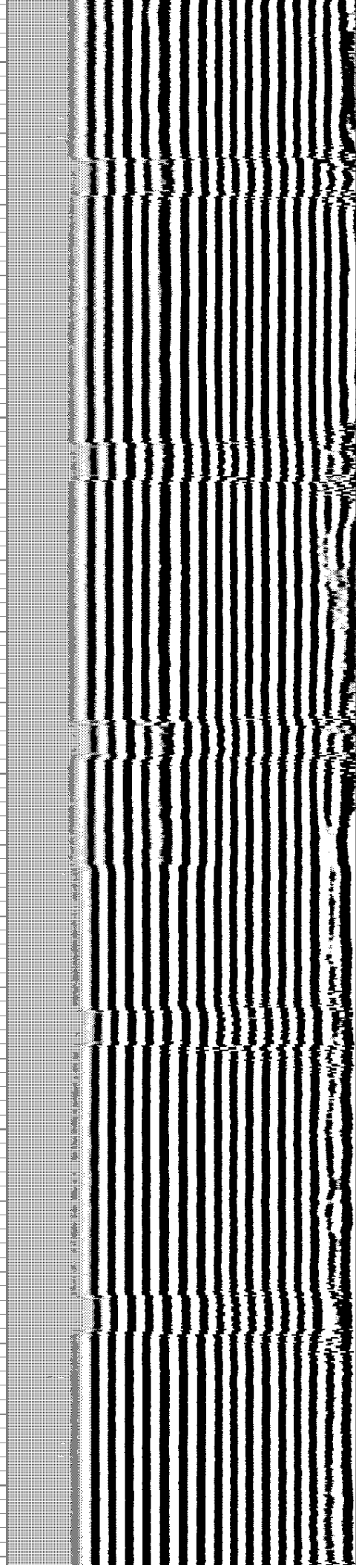
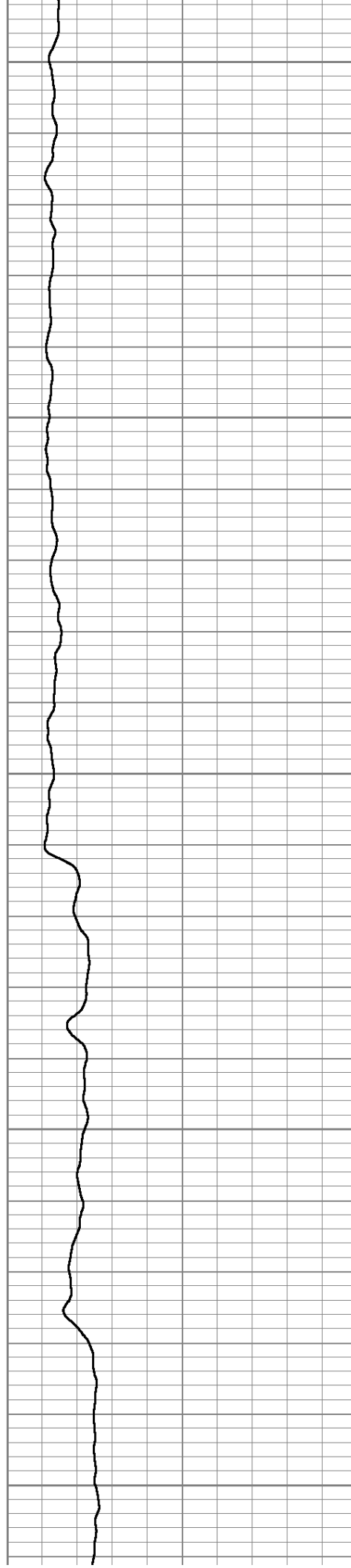
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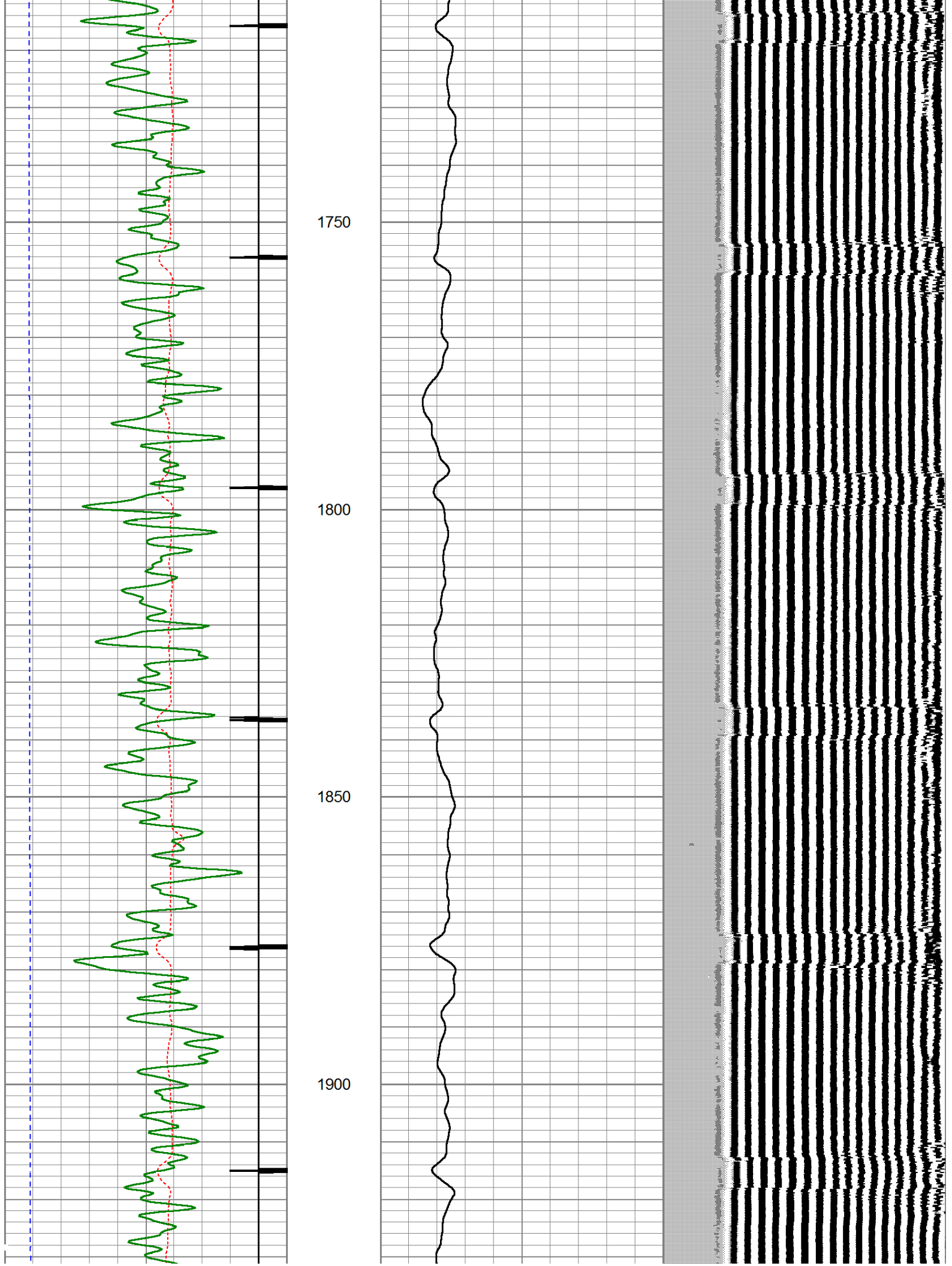
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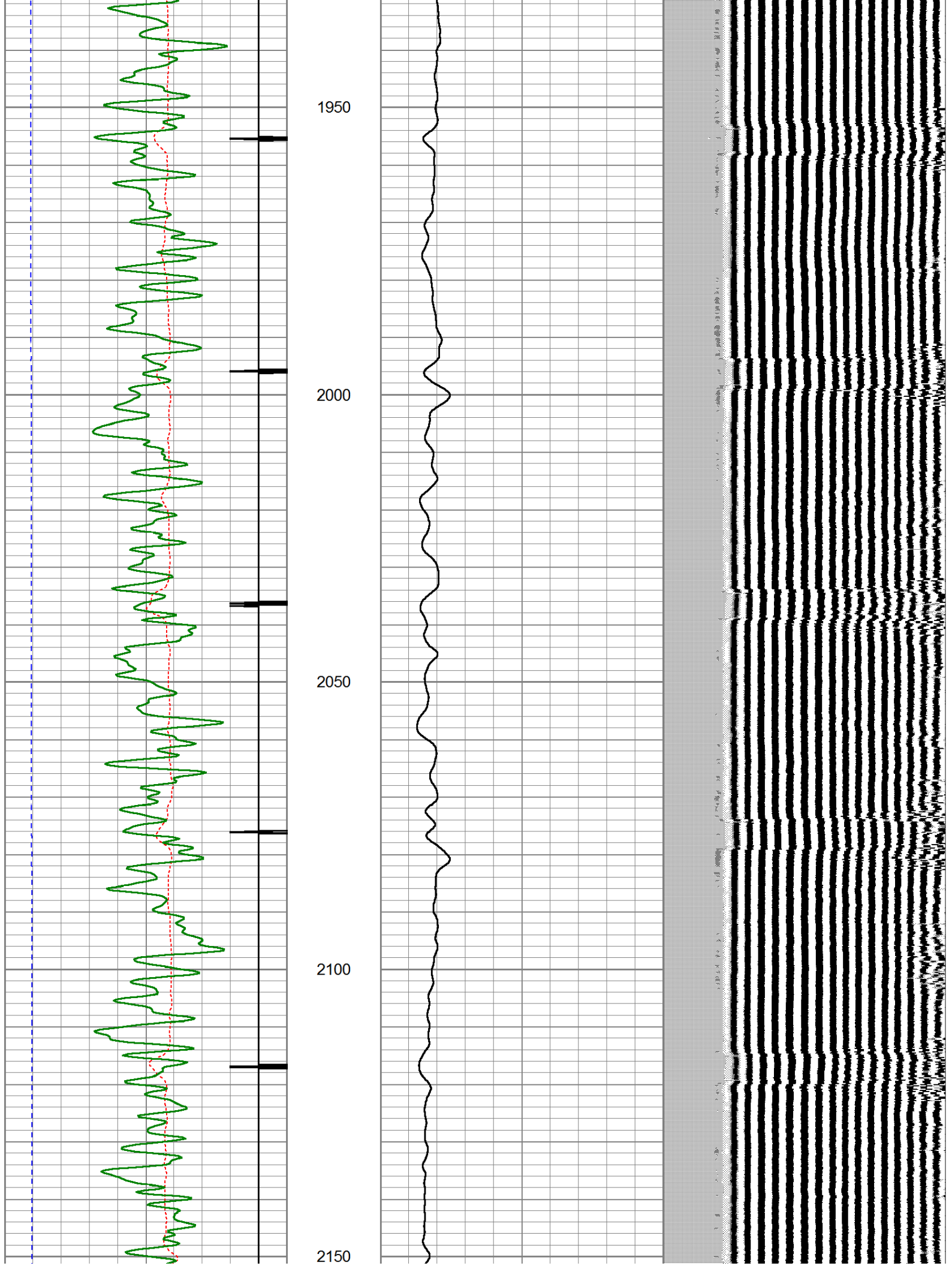
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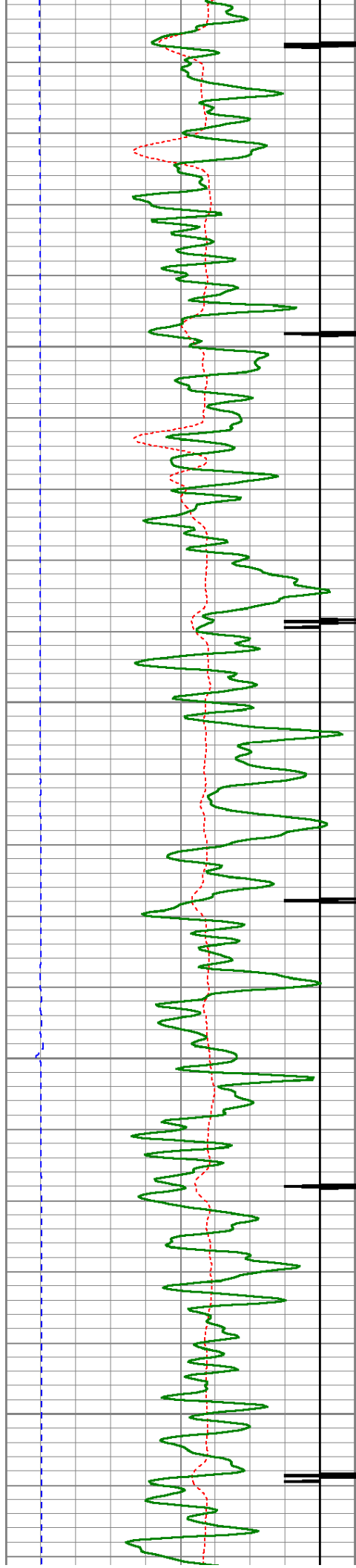
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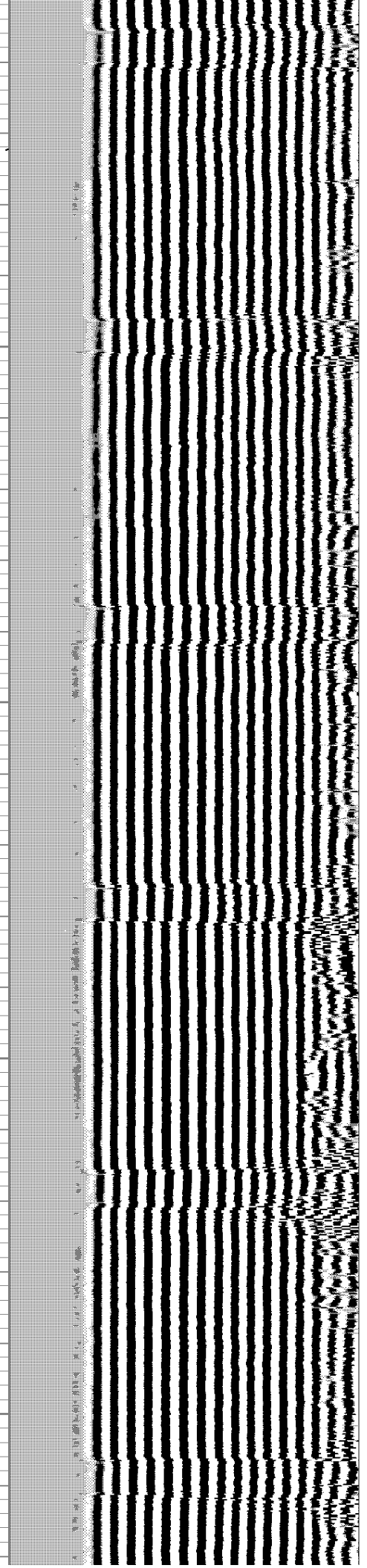
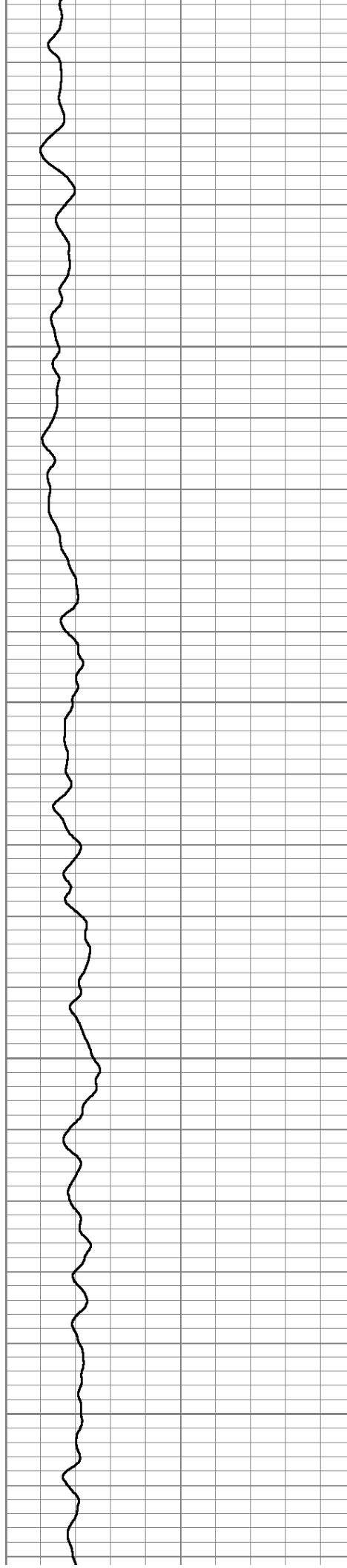


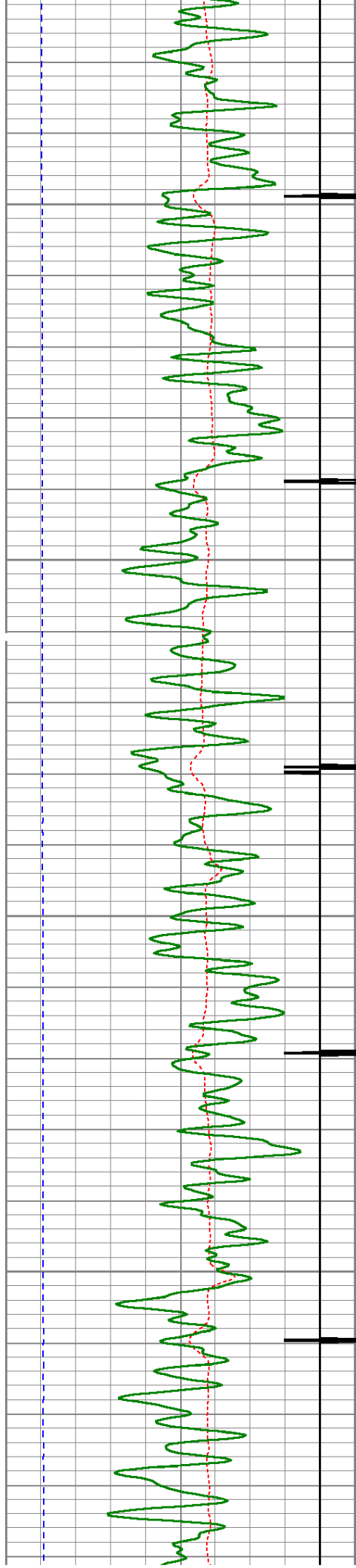
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2250

2300

2350



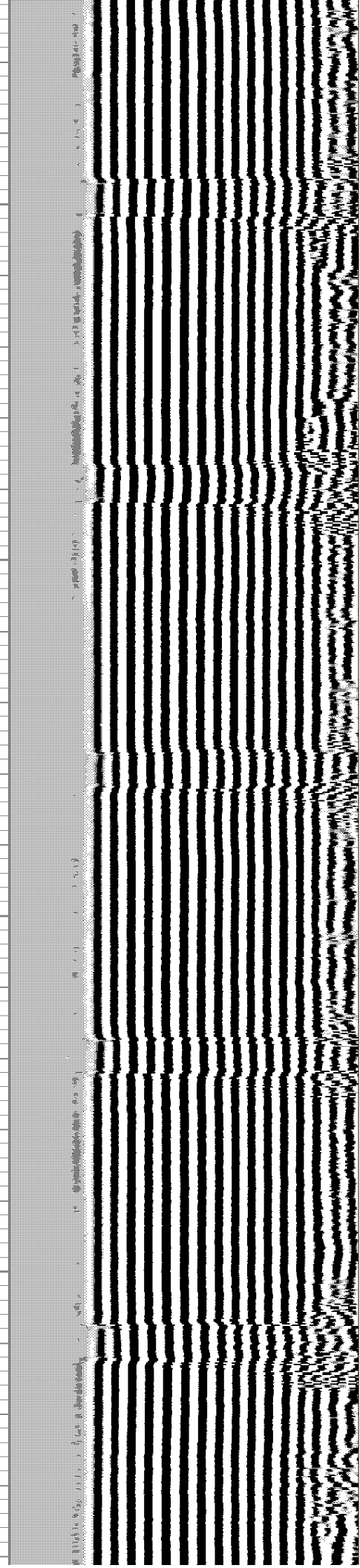
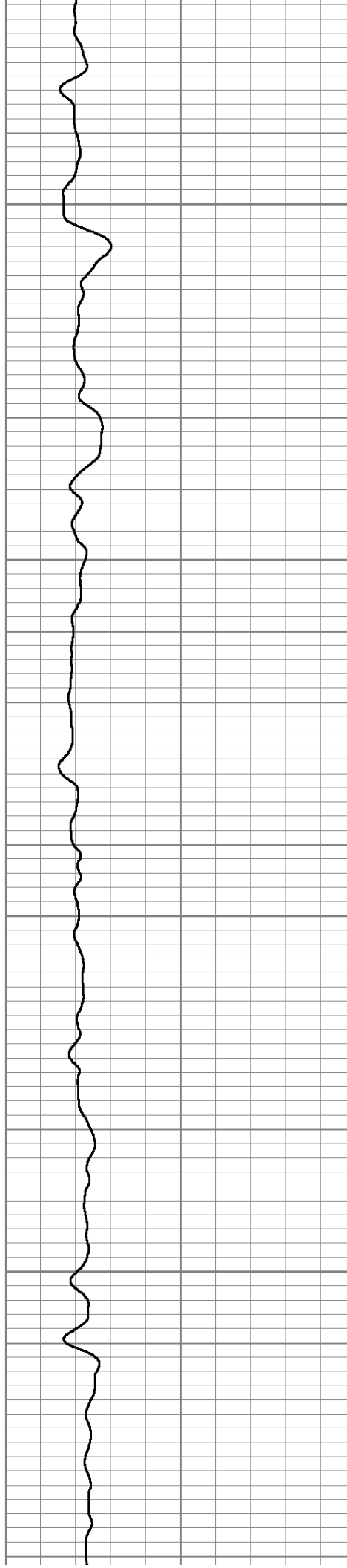


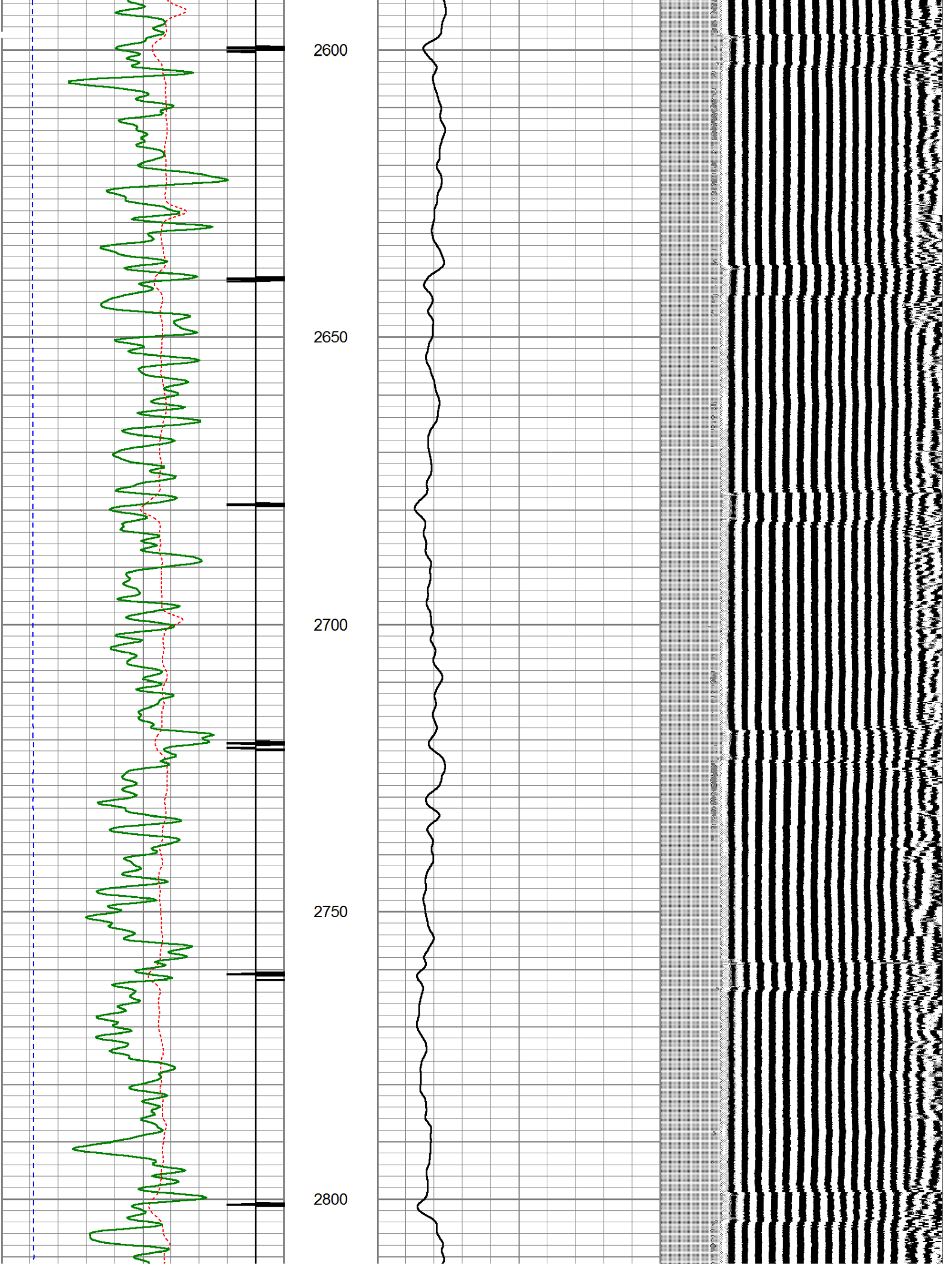
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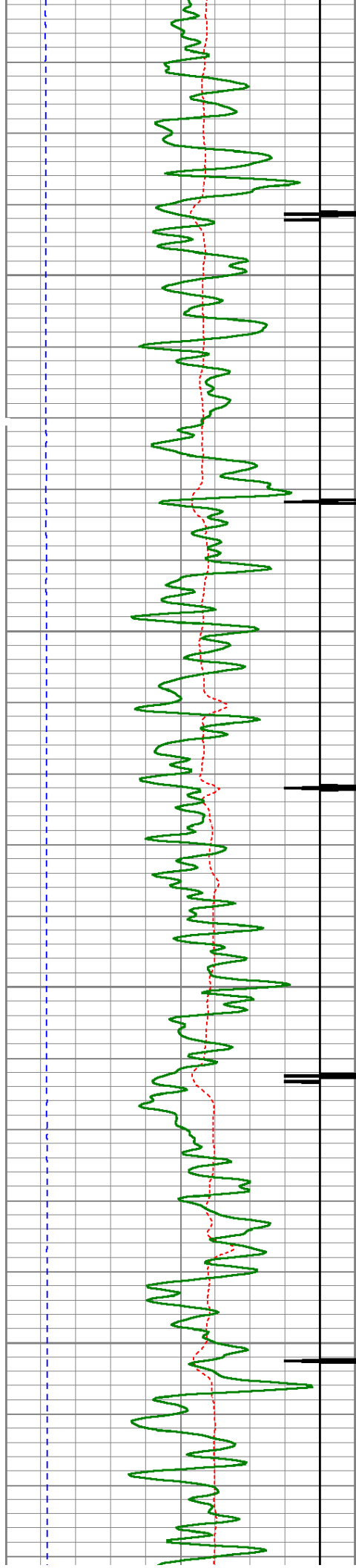
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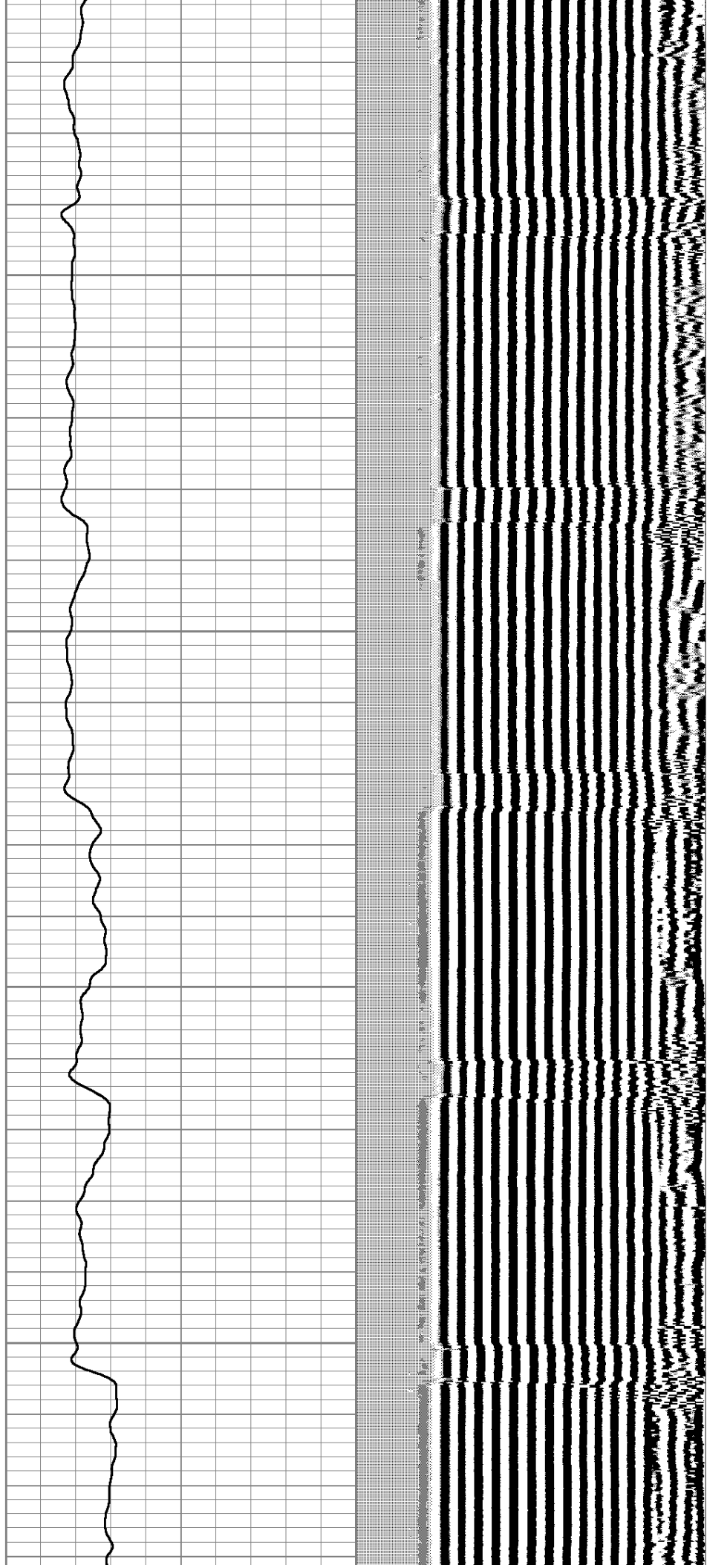


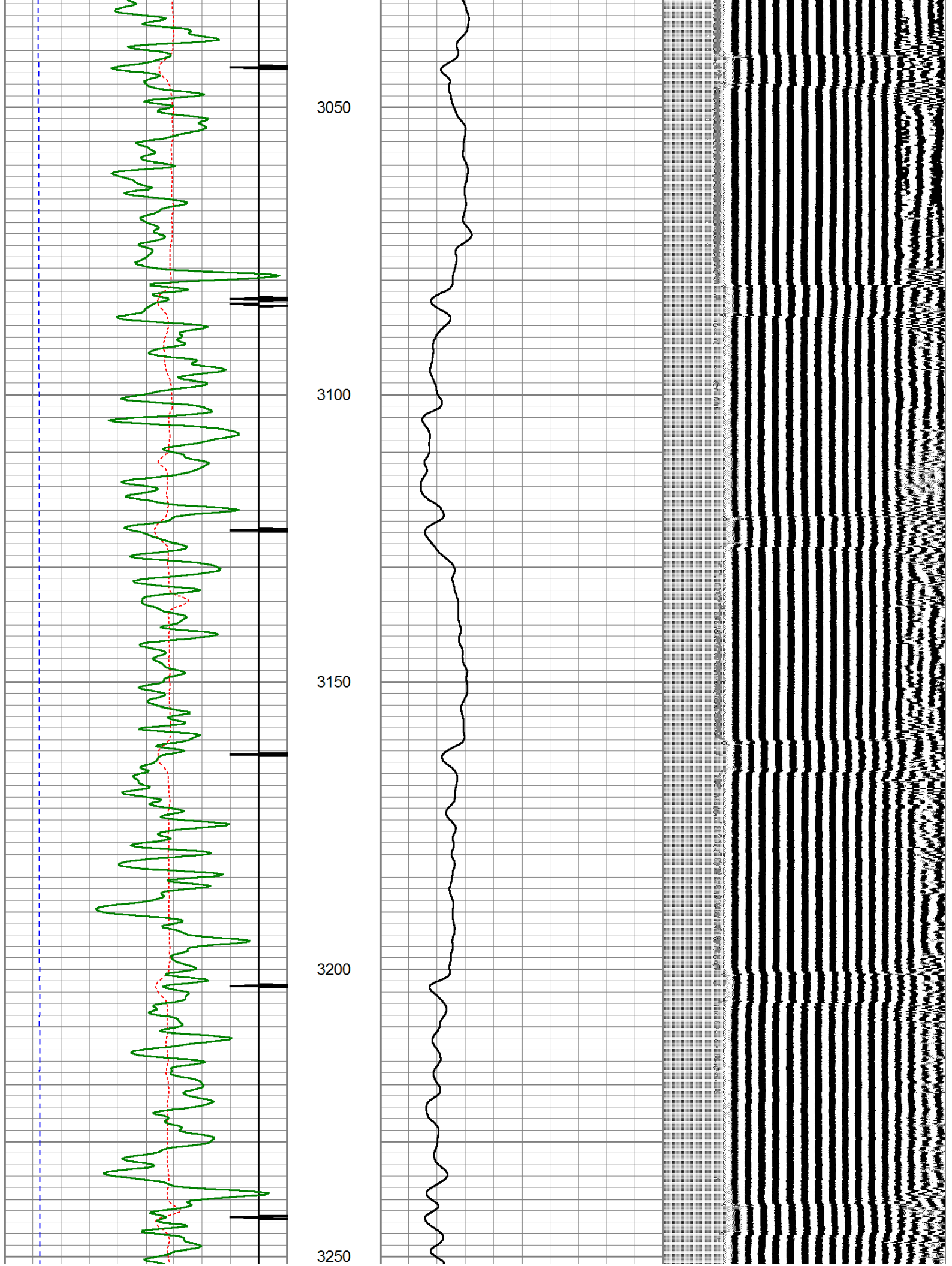
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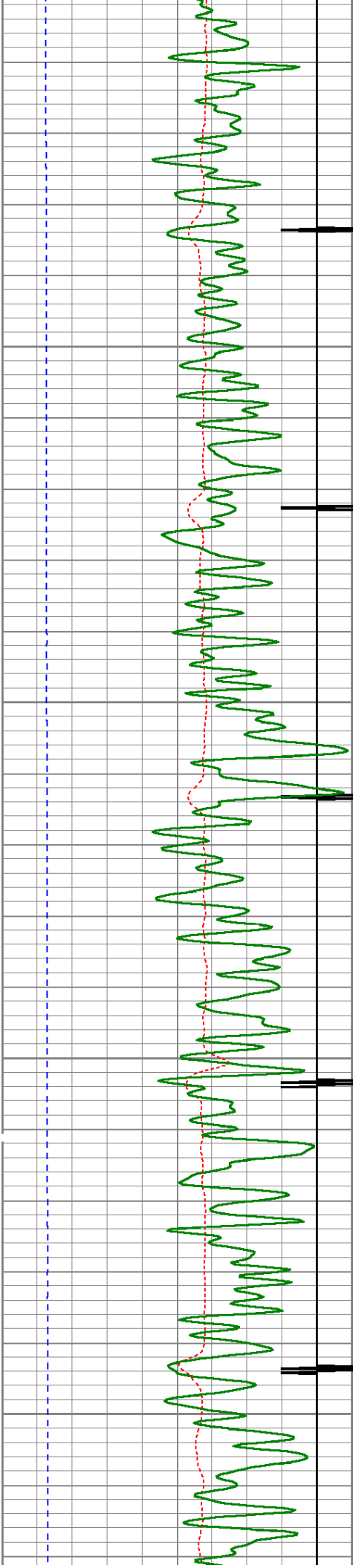
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2950

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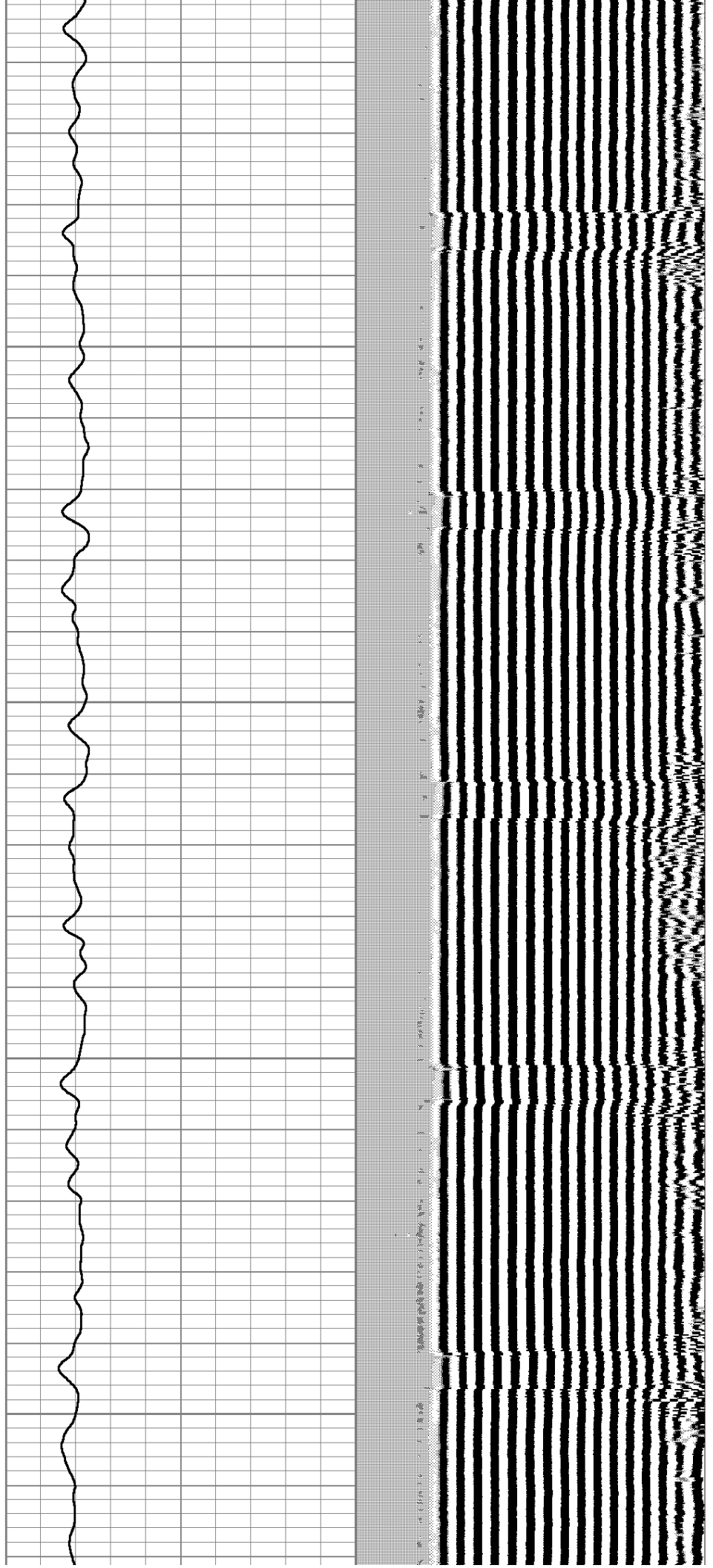


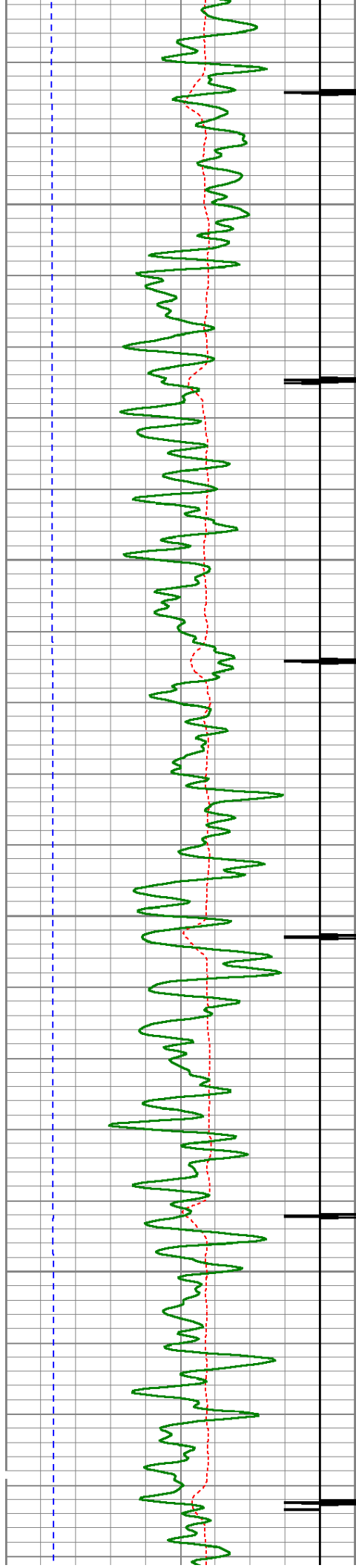
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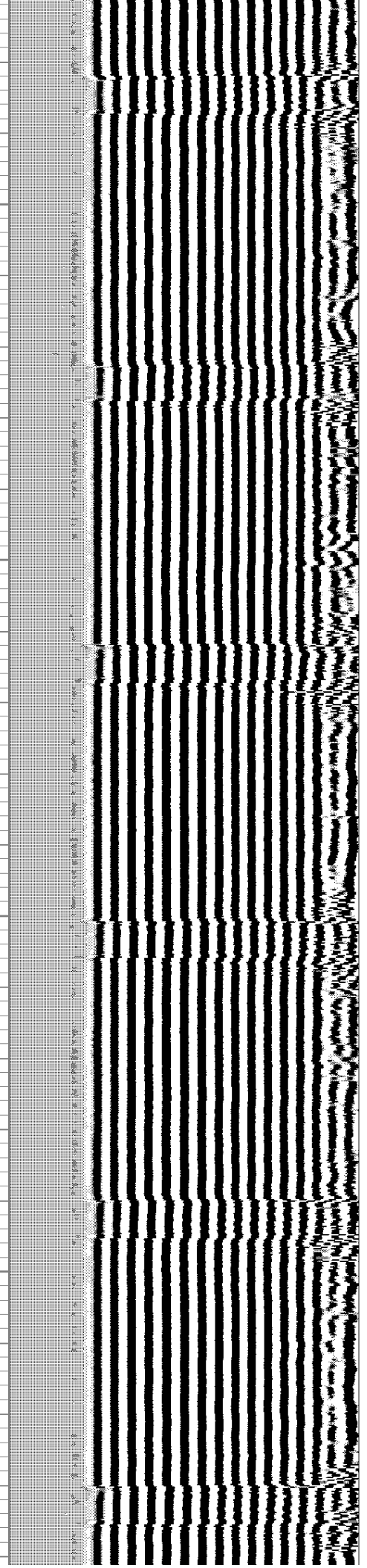
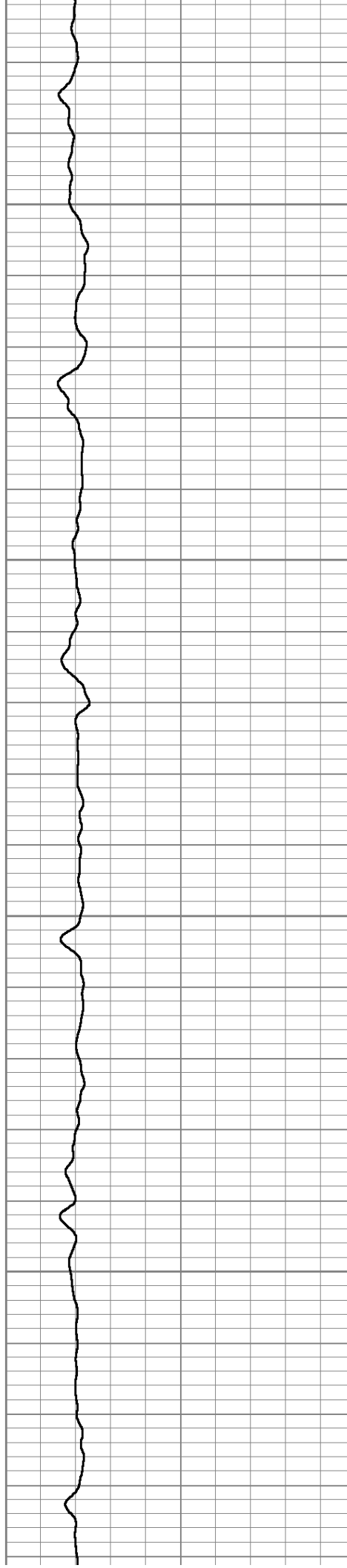


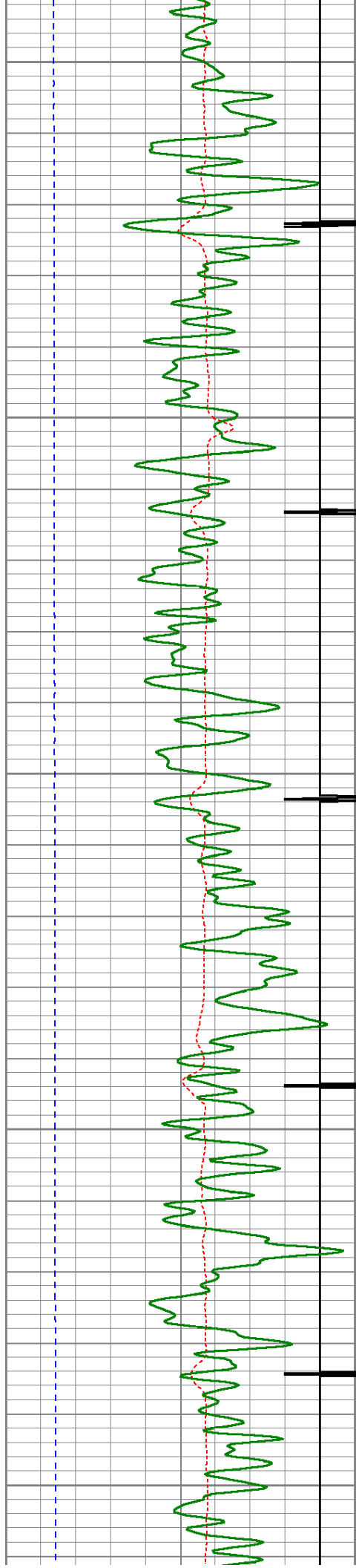
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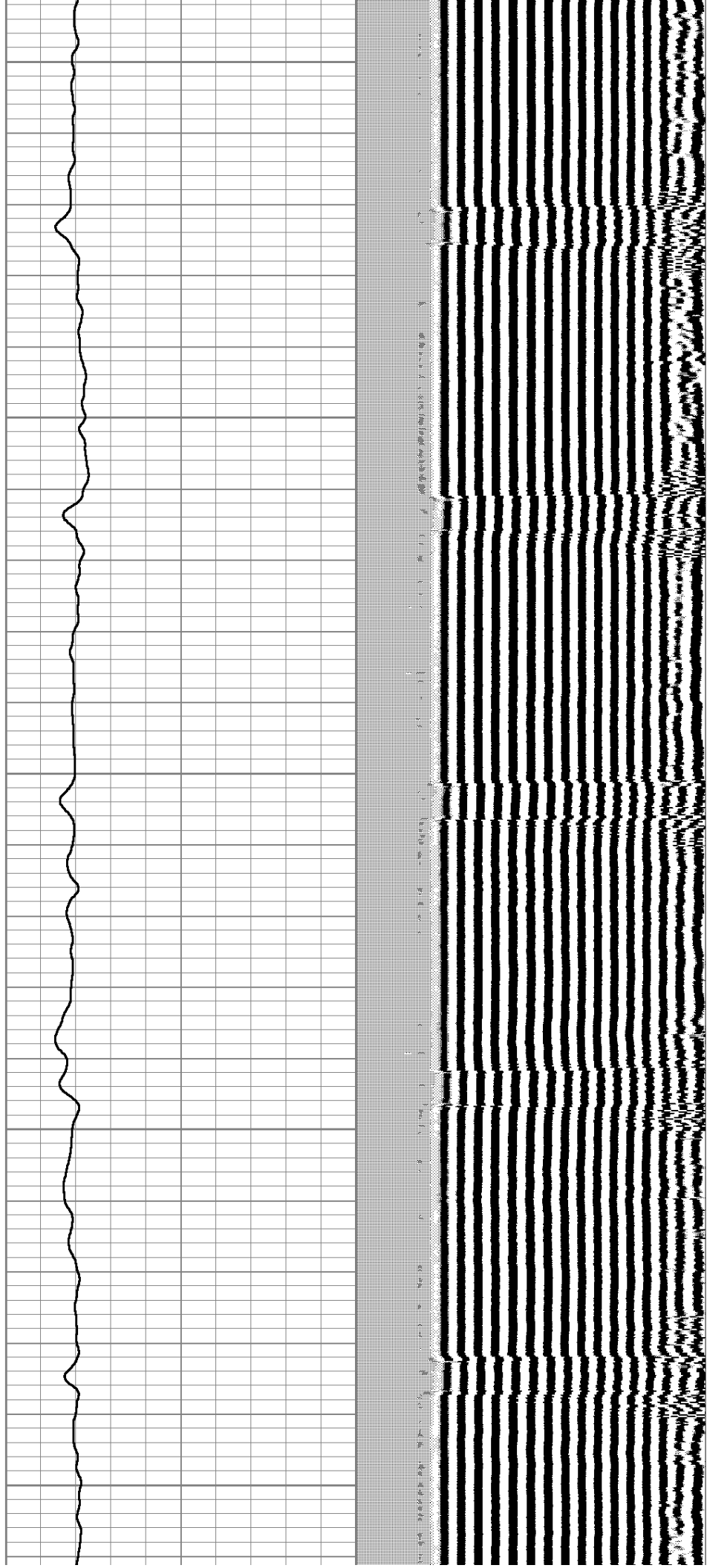
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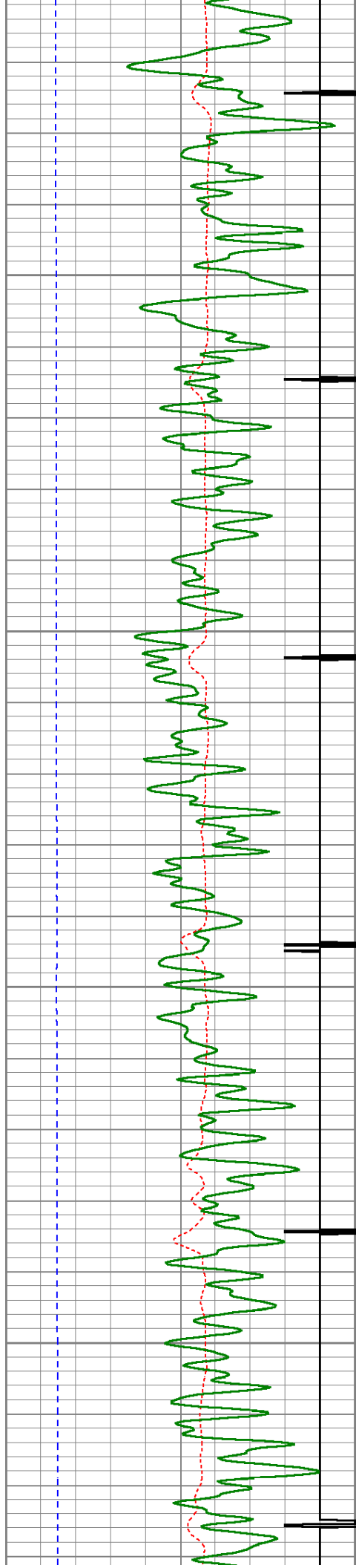
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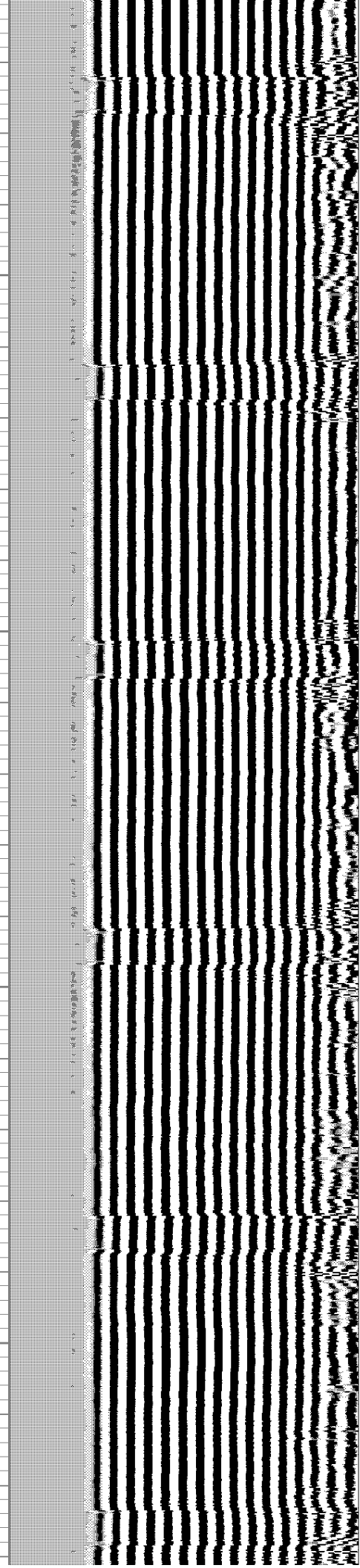
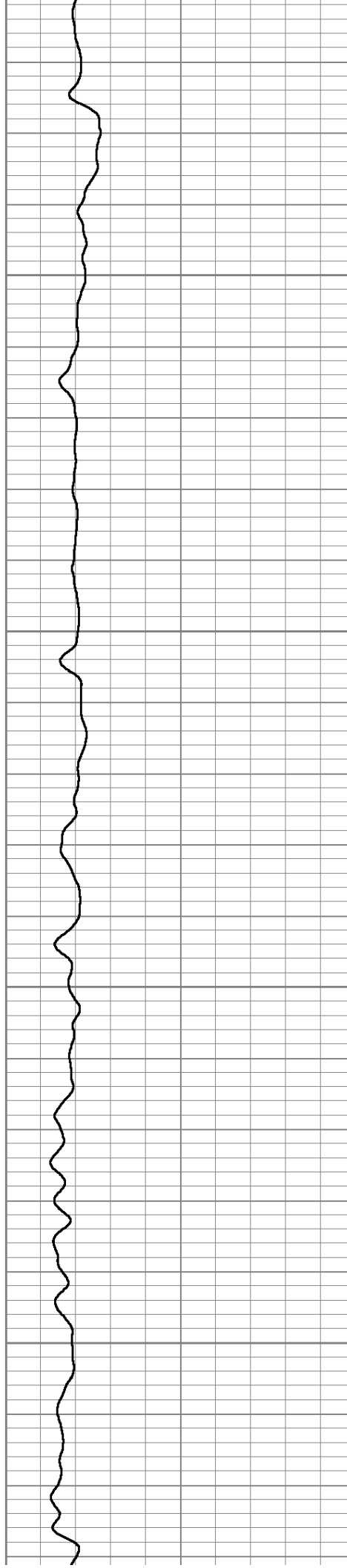


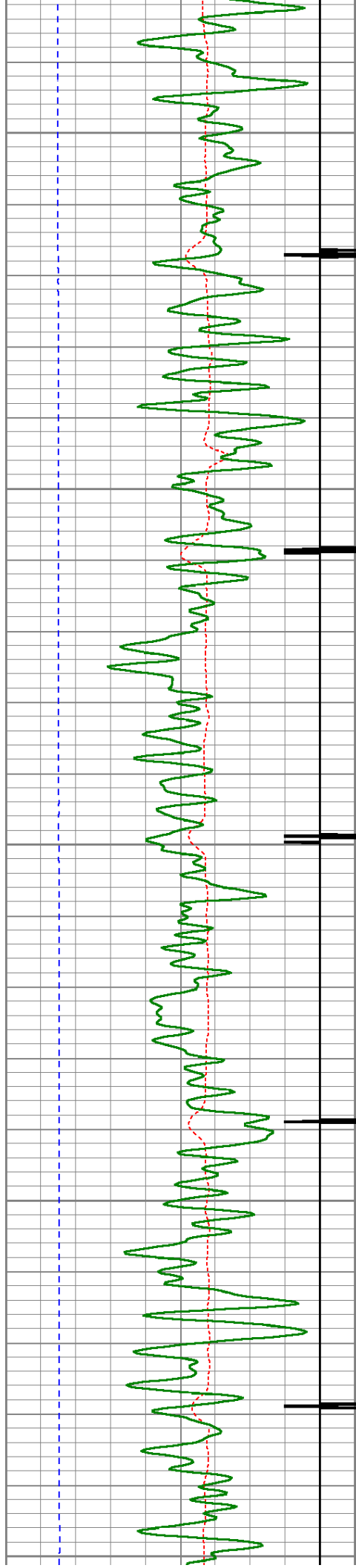
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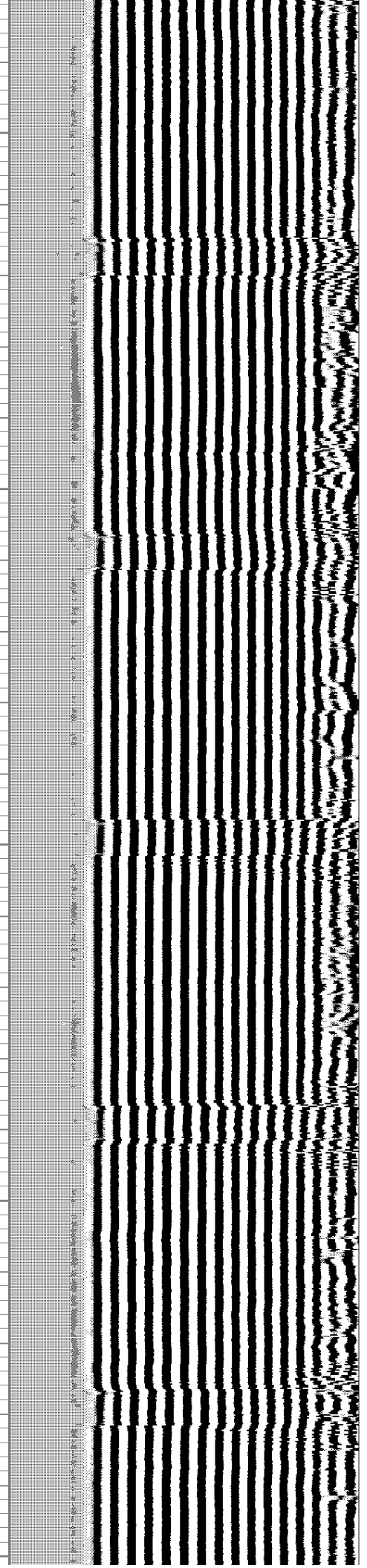
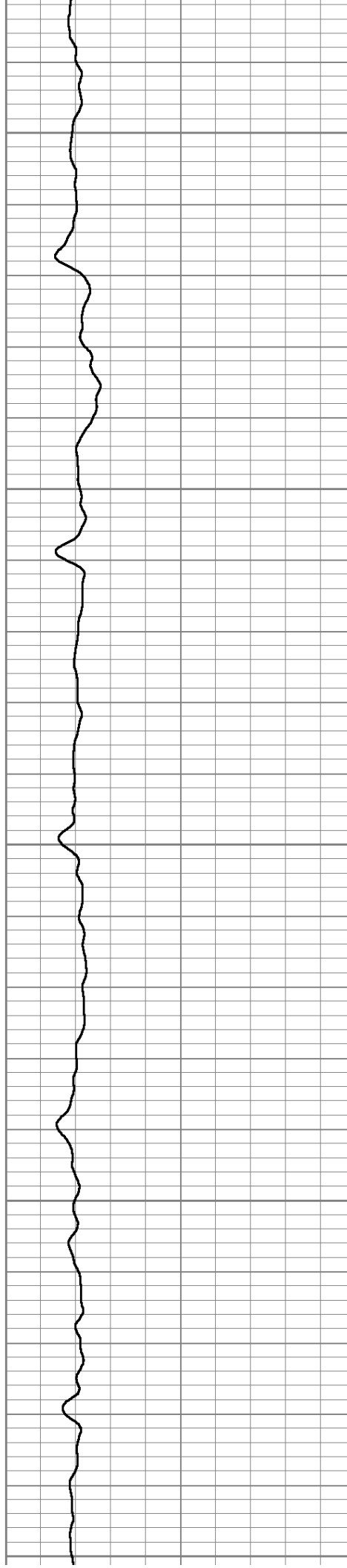
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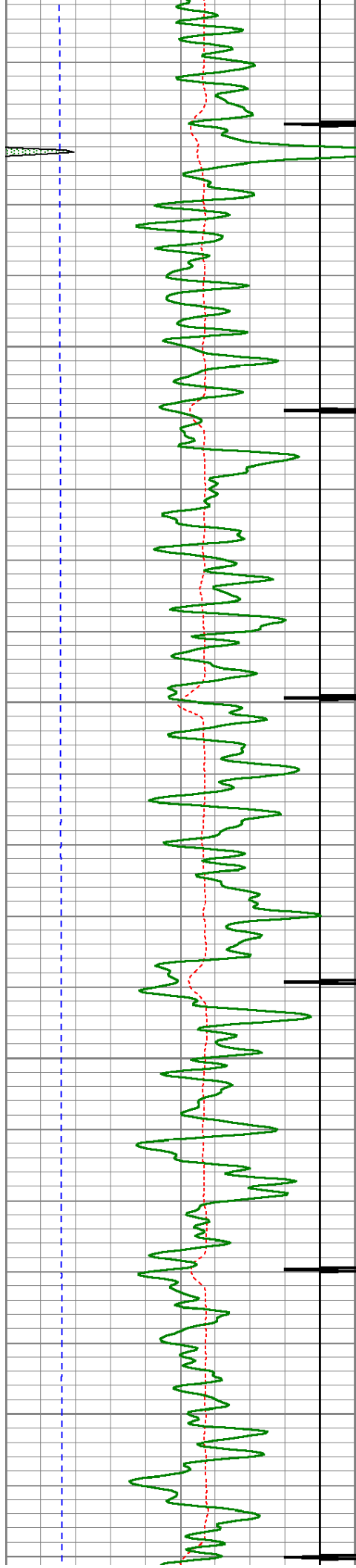
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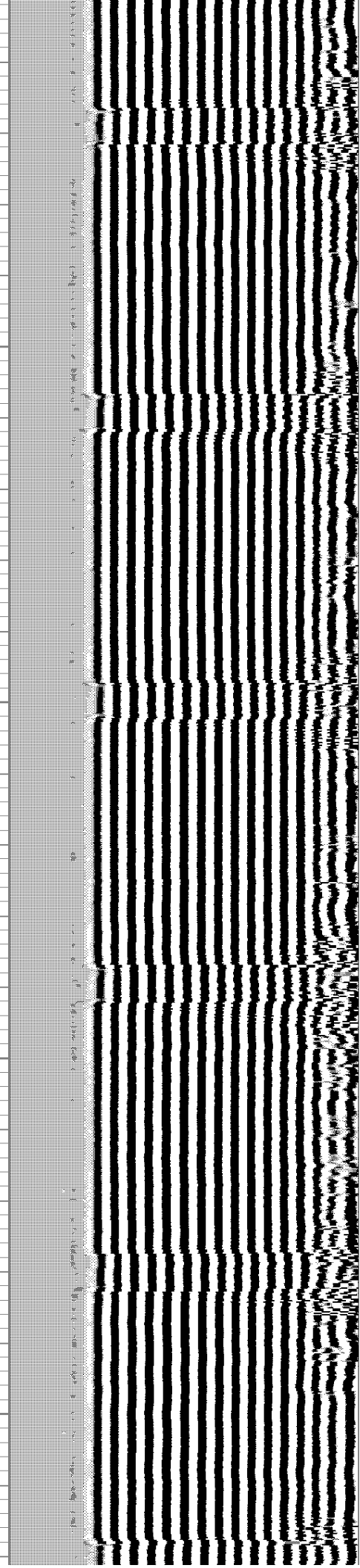
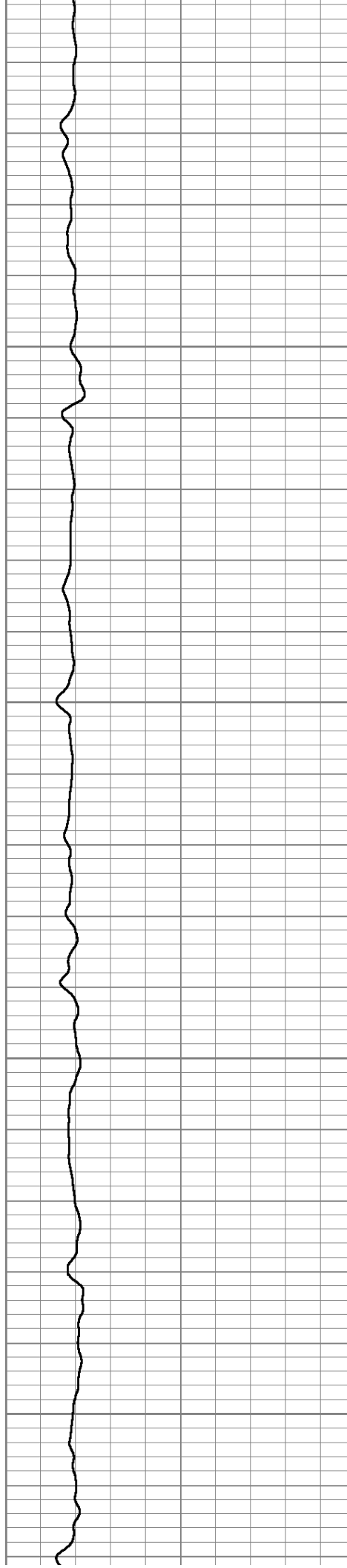


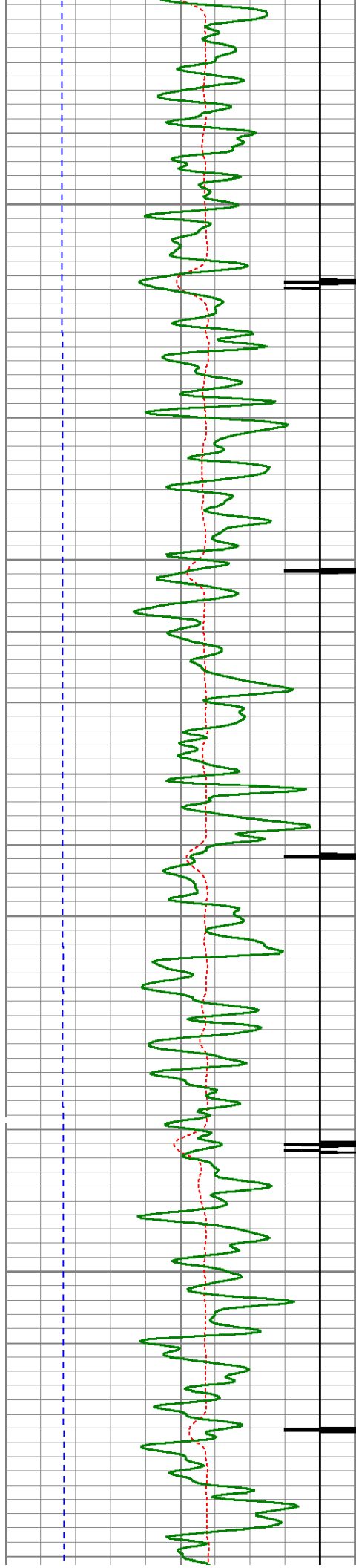
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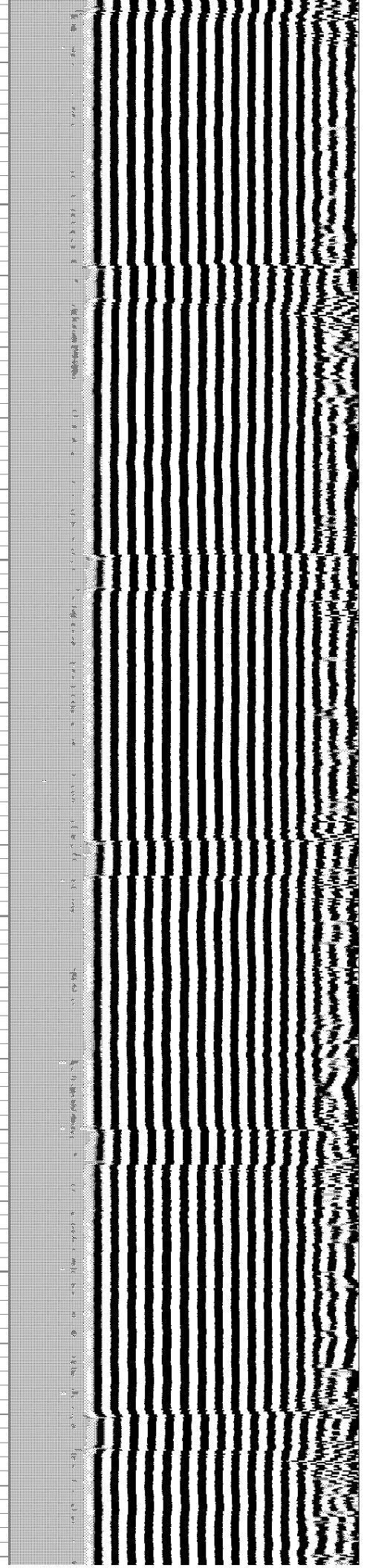
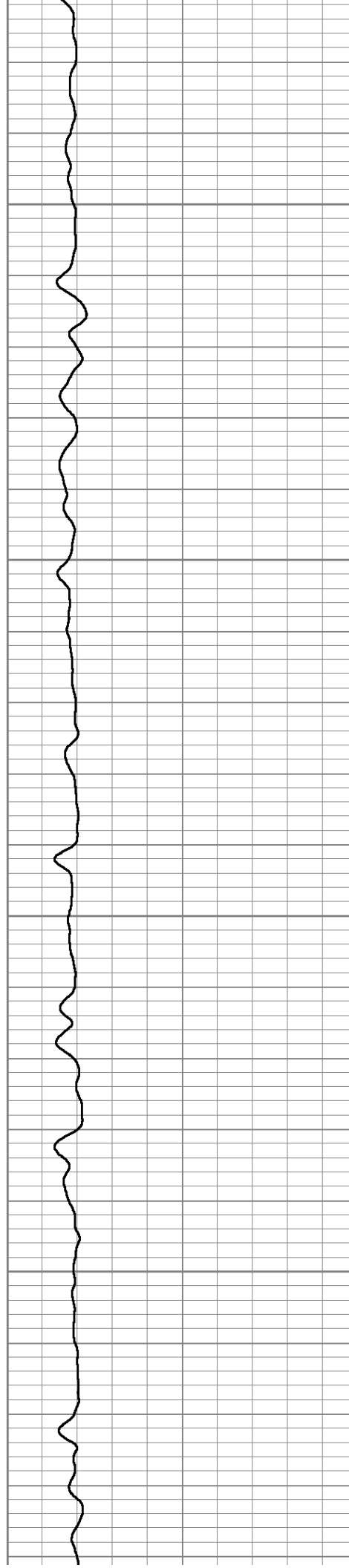


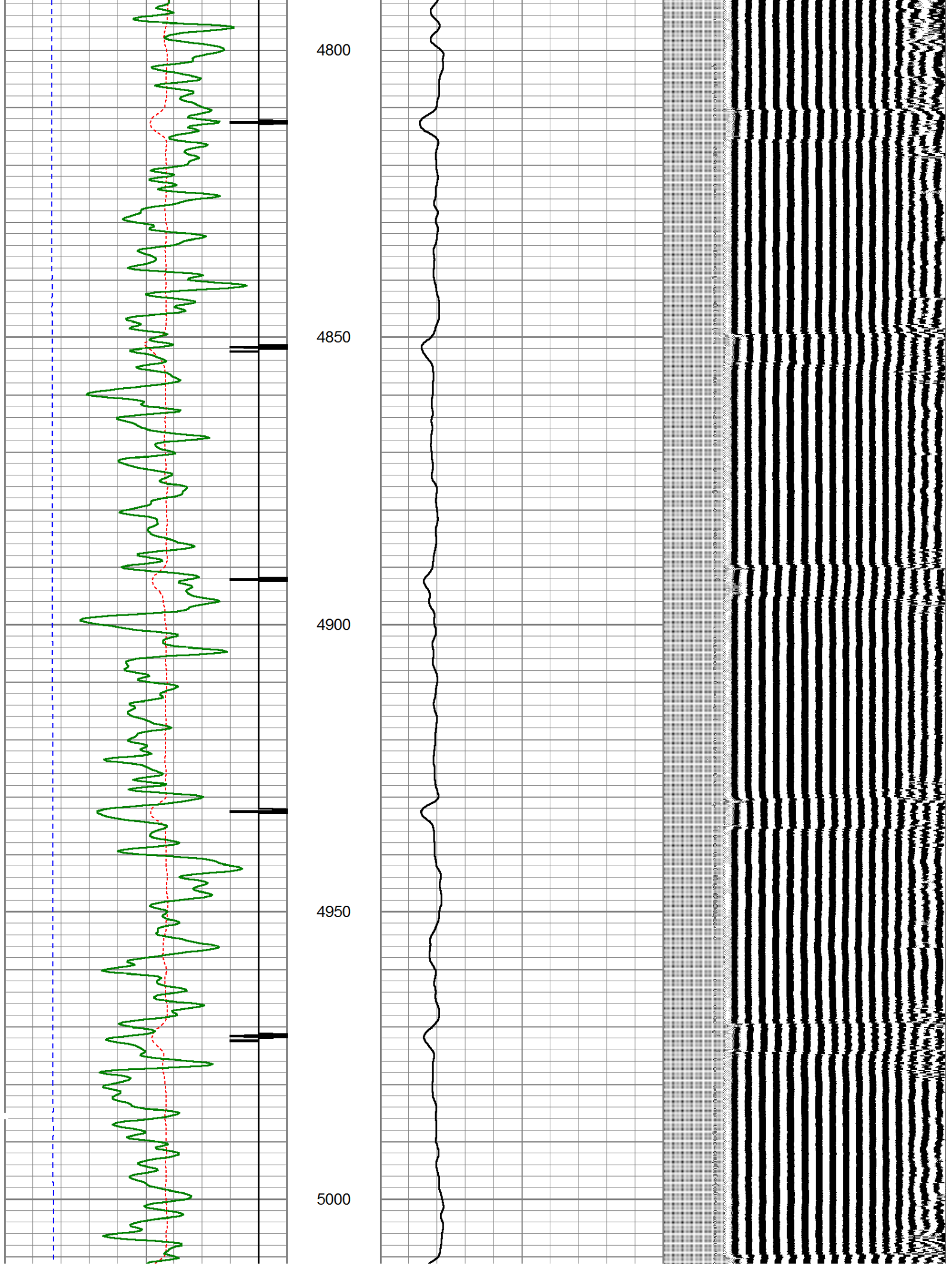
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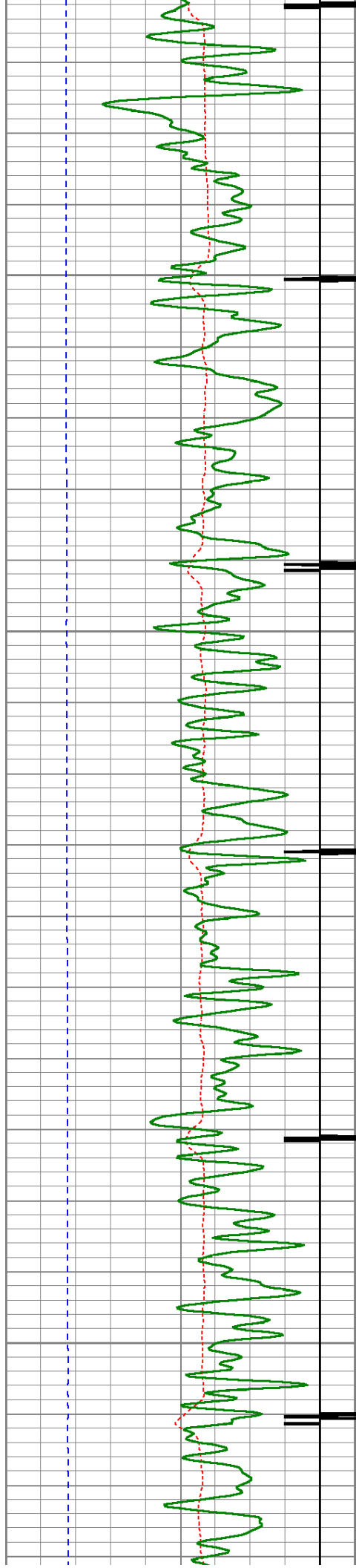
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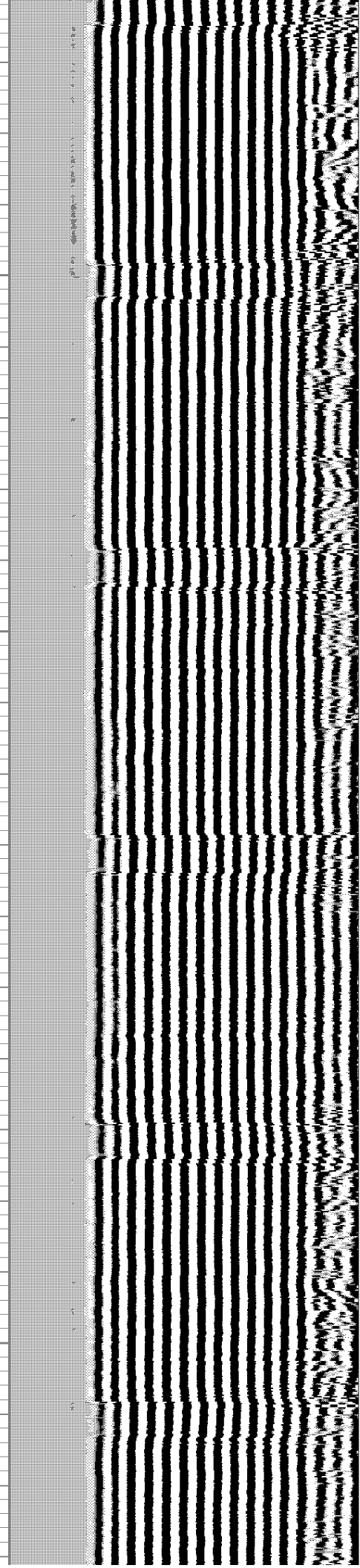
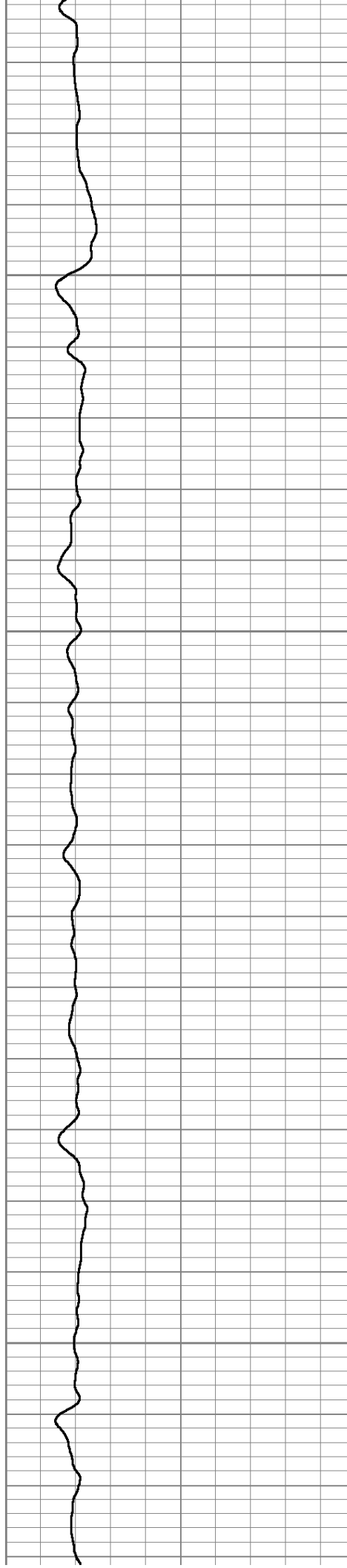


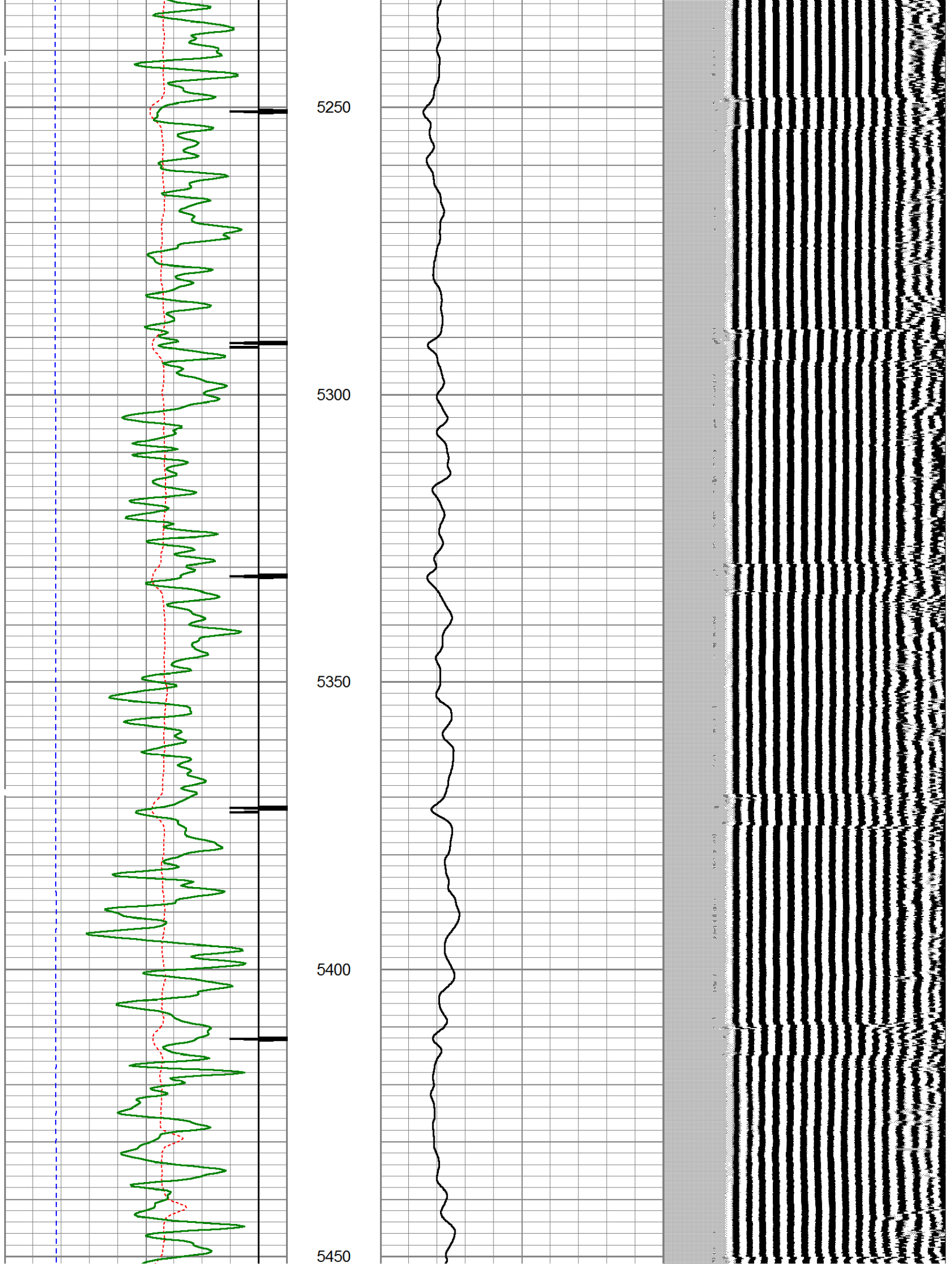
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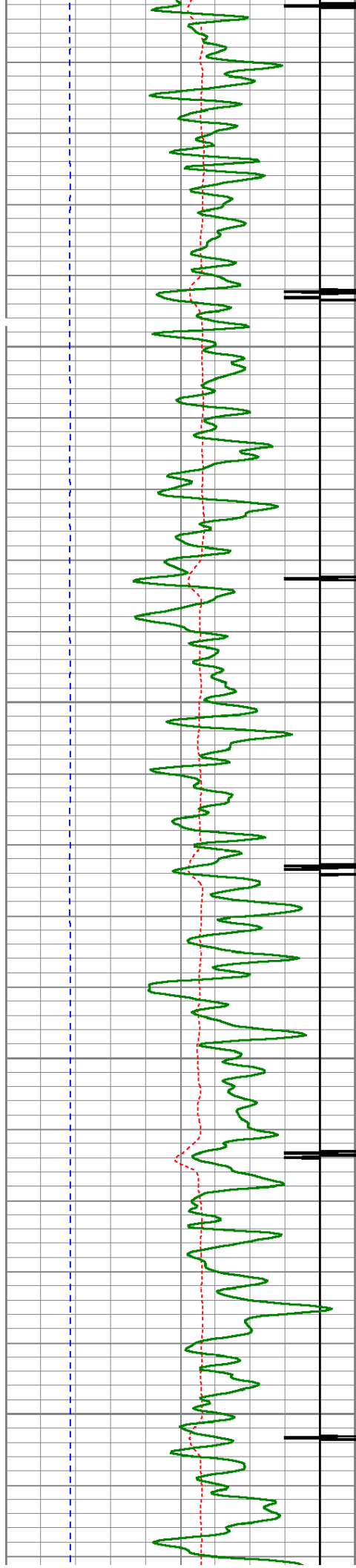
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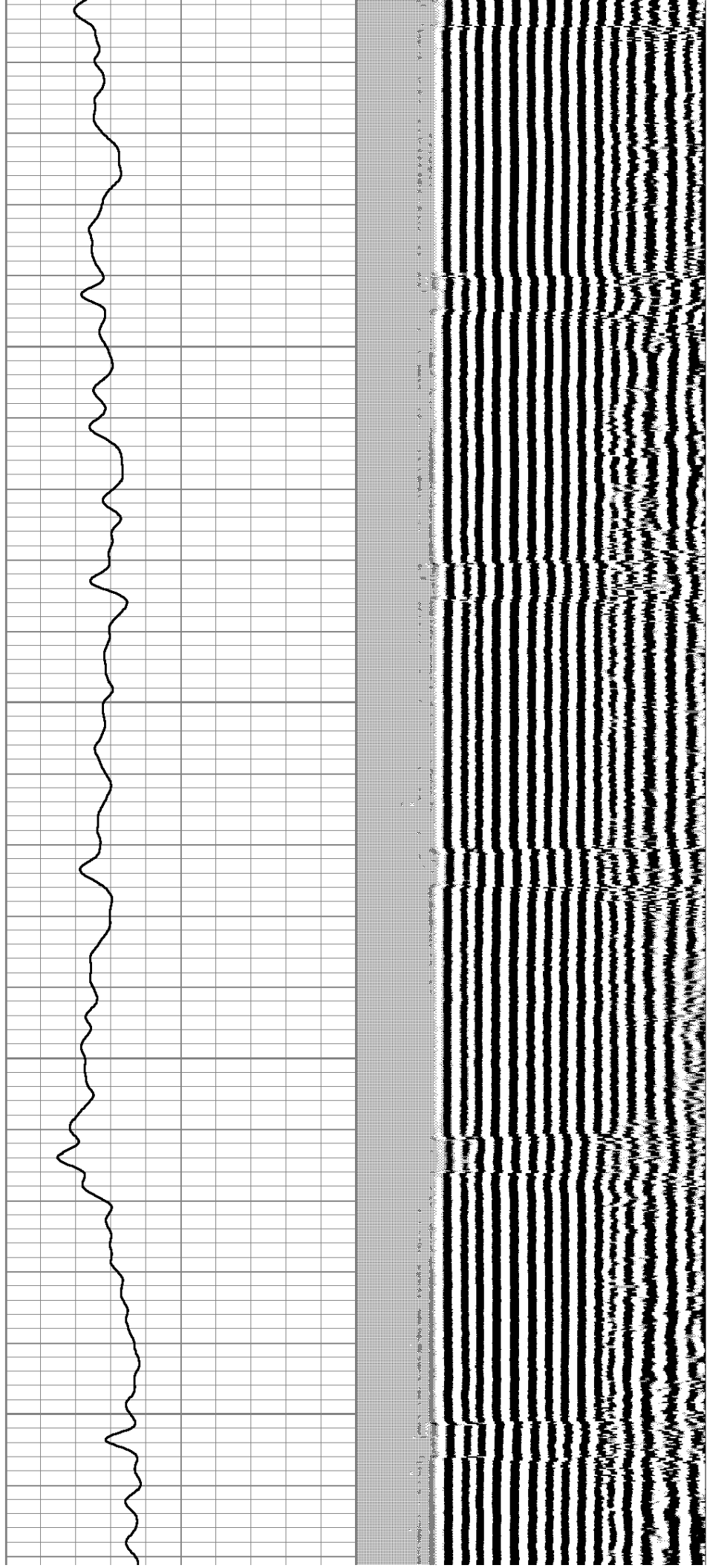


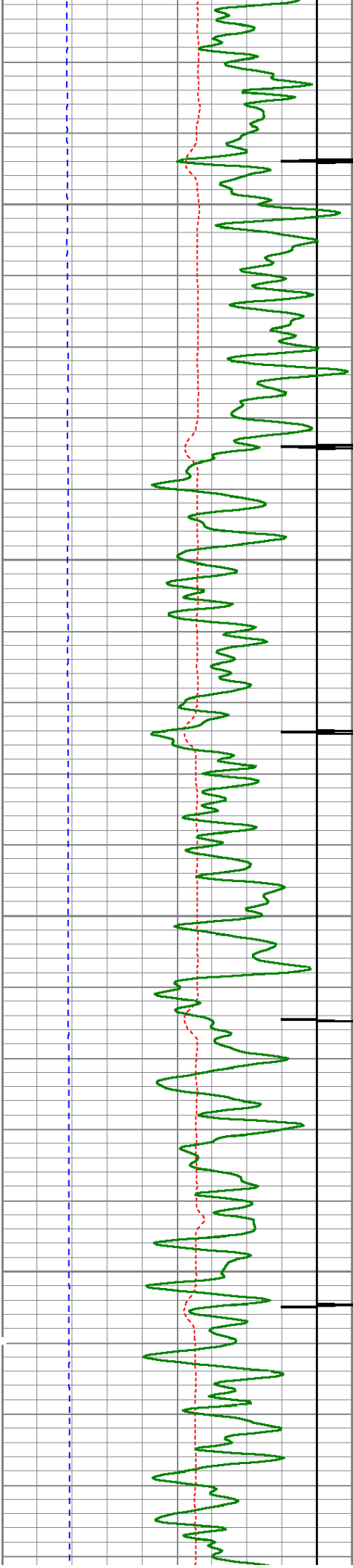
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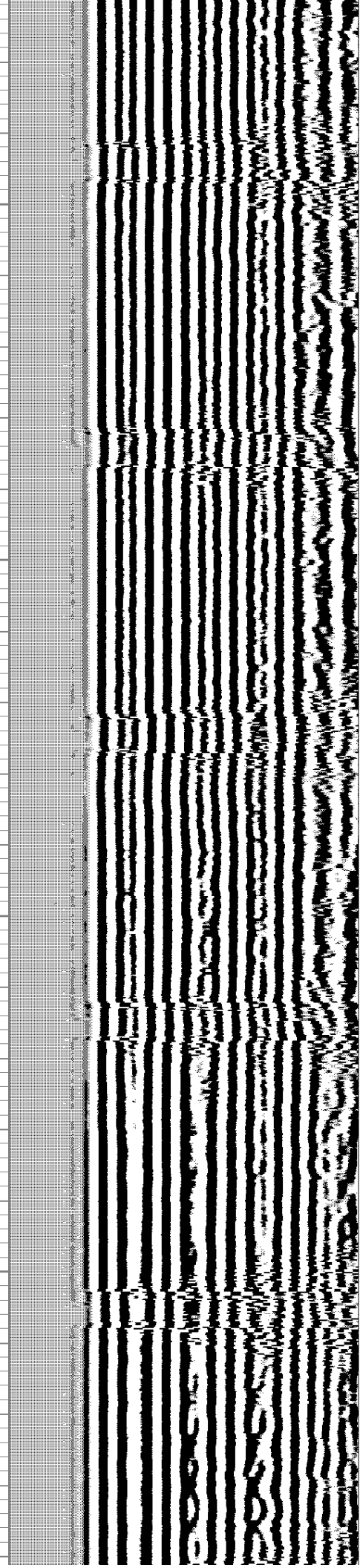
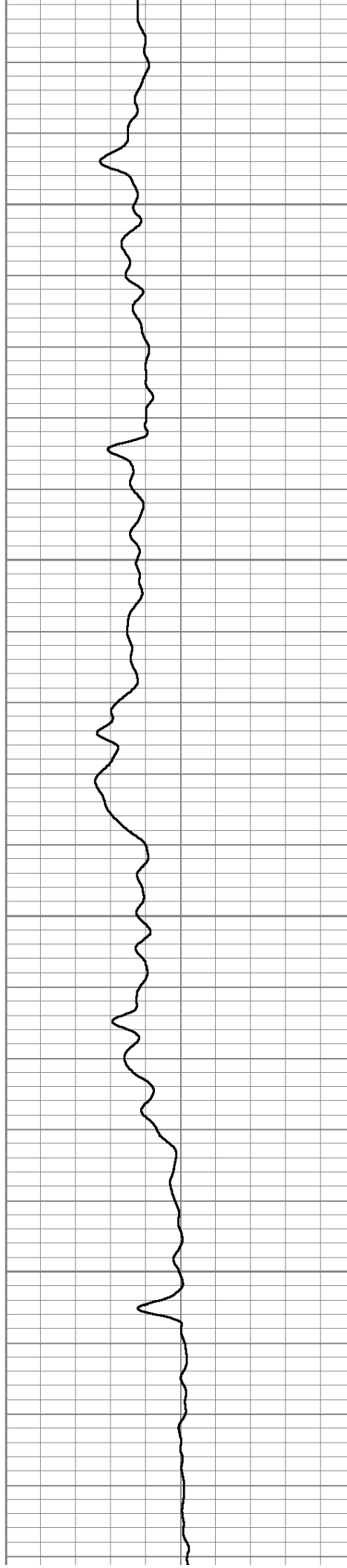


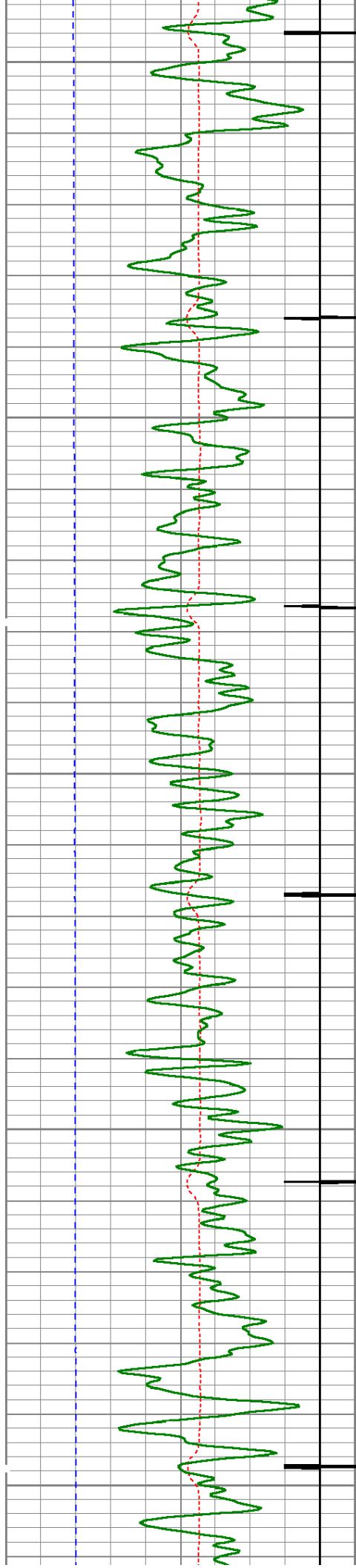
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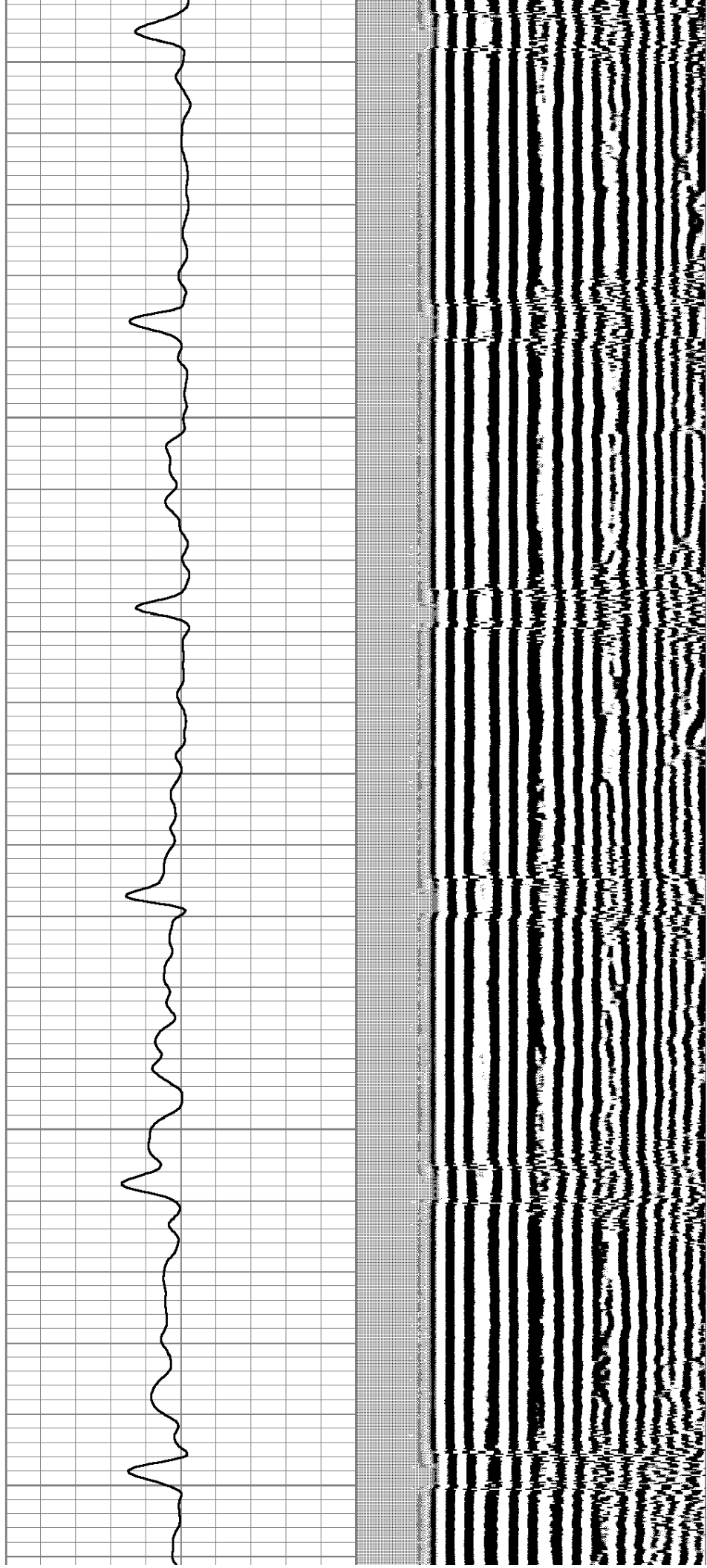
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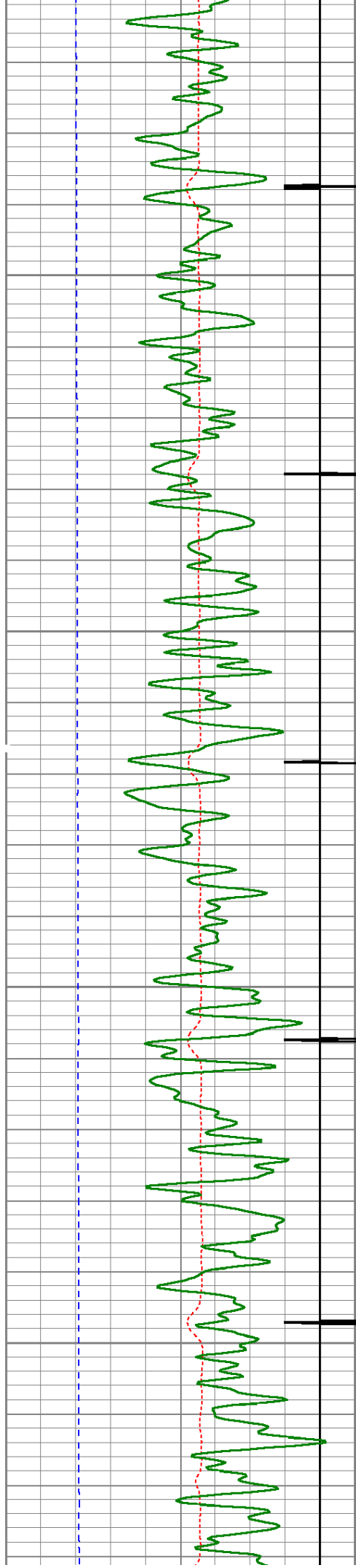
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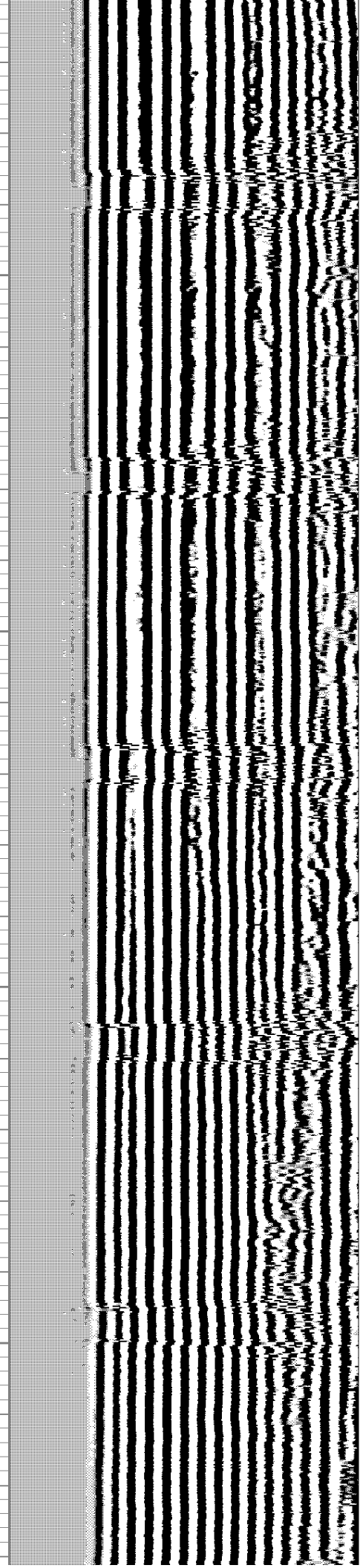
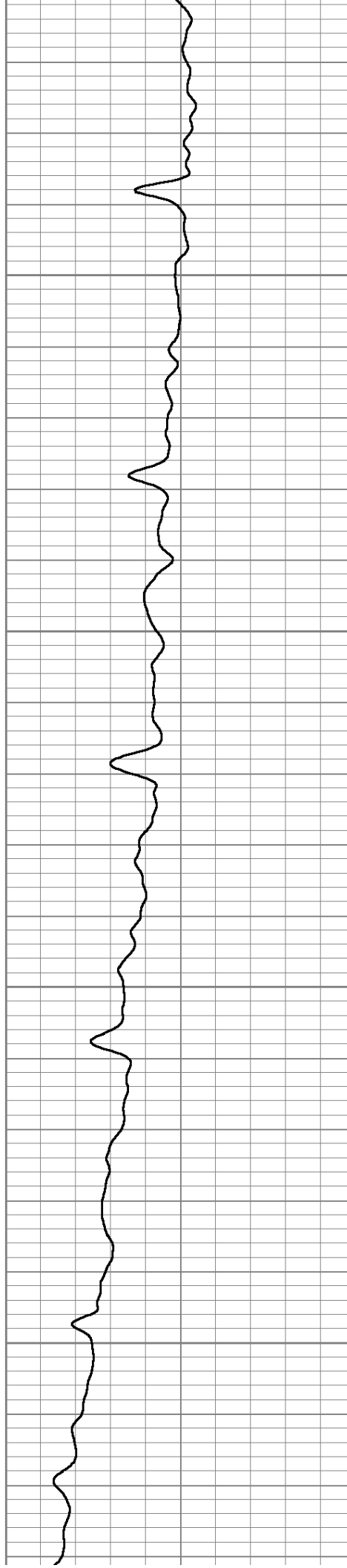


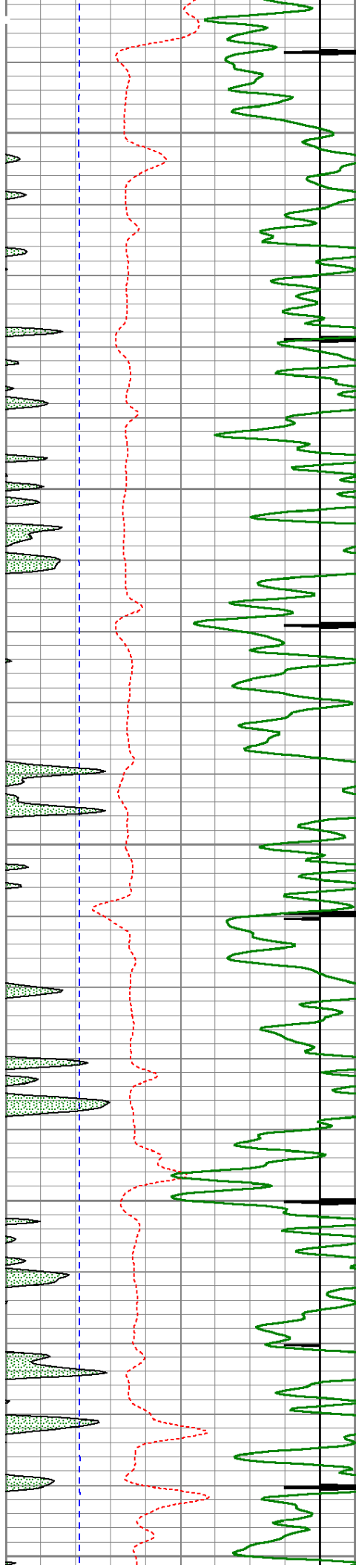
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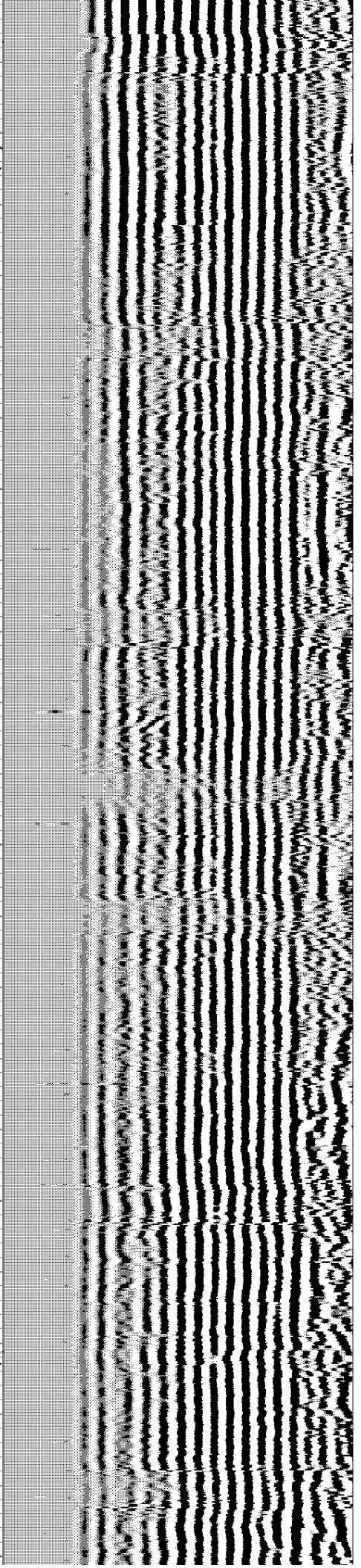
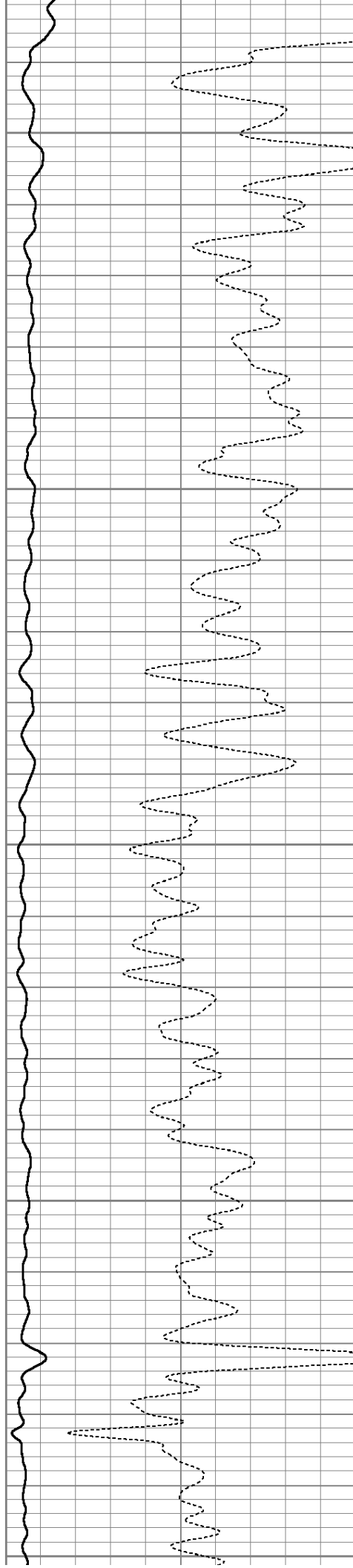
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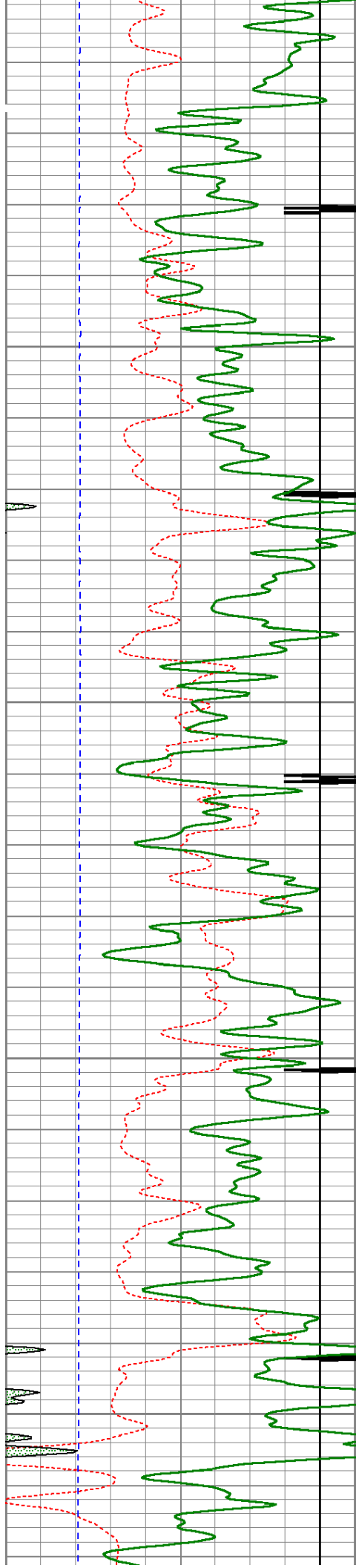
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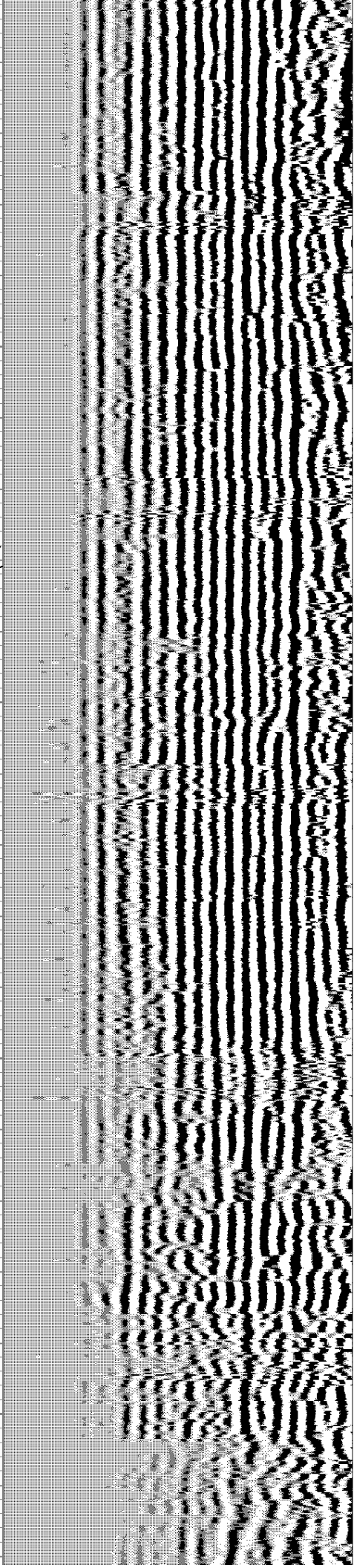
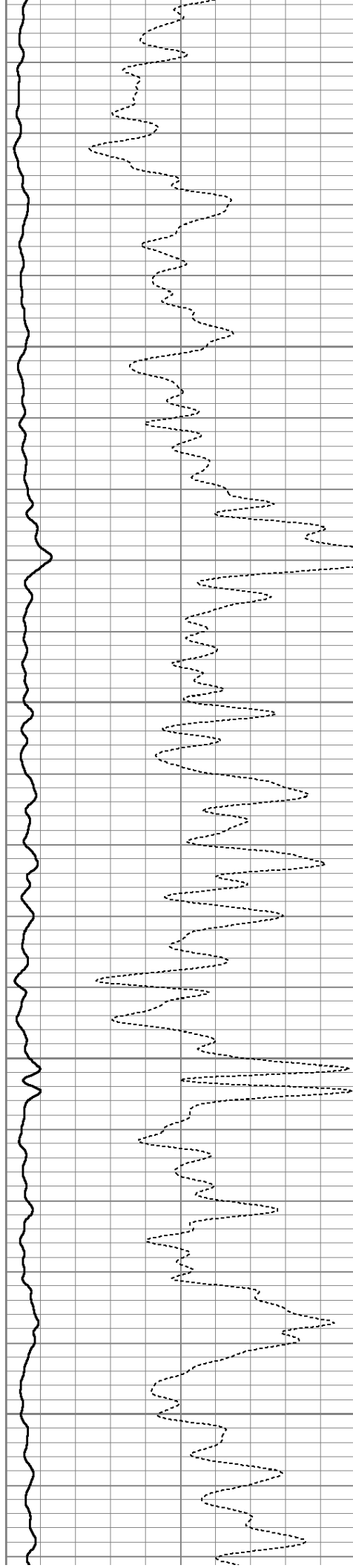


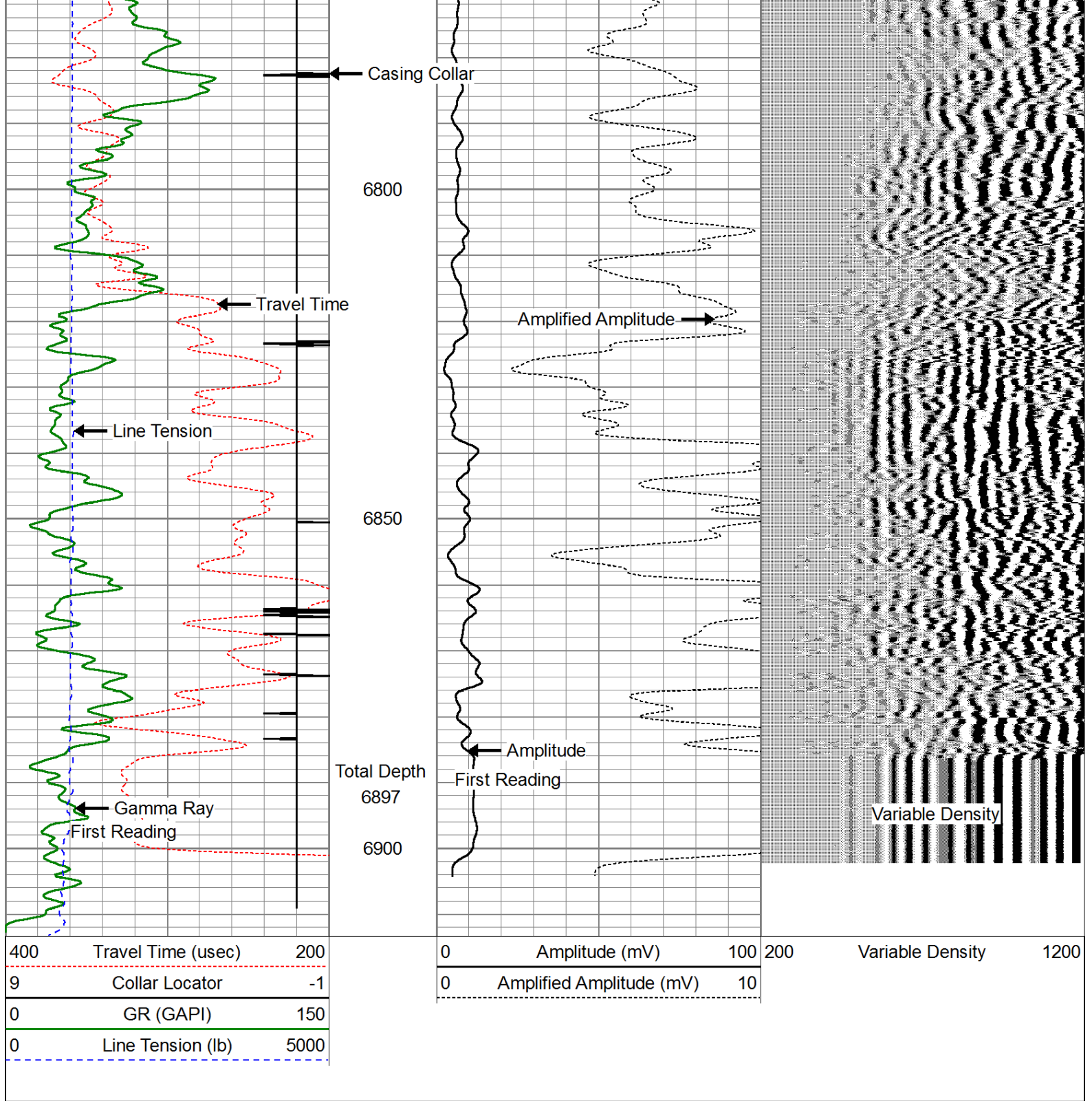
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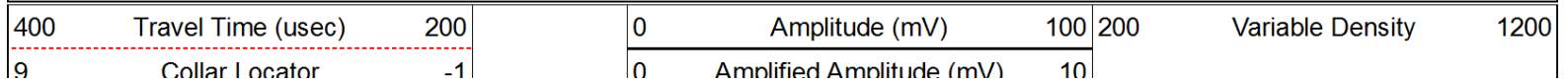
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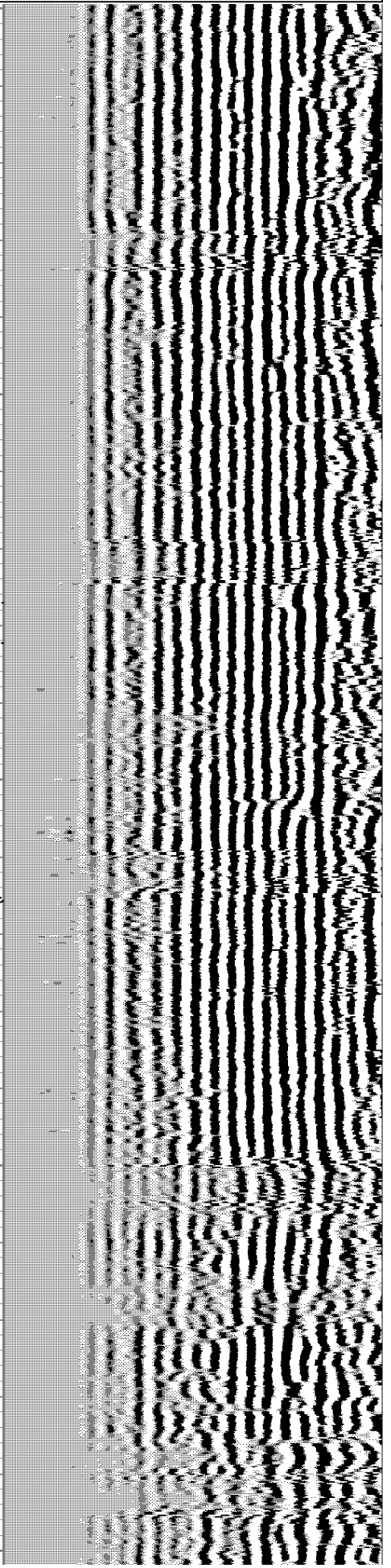
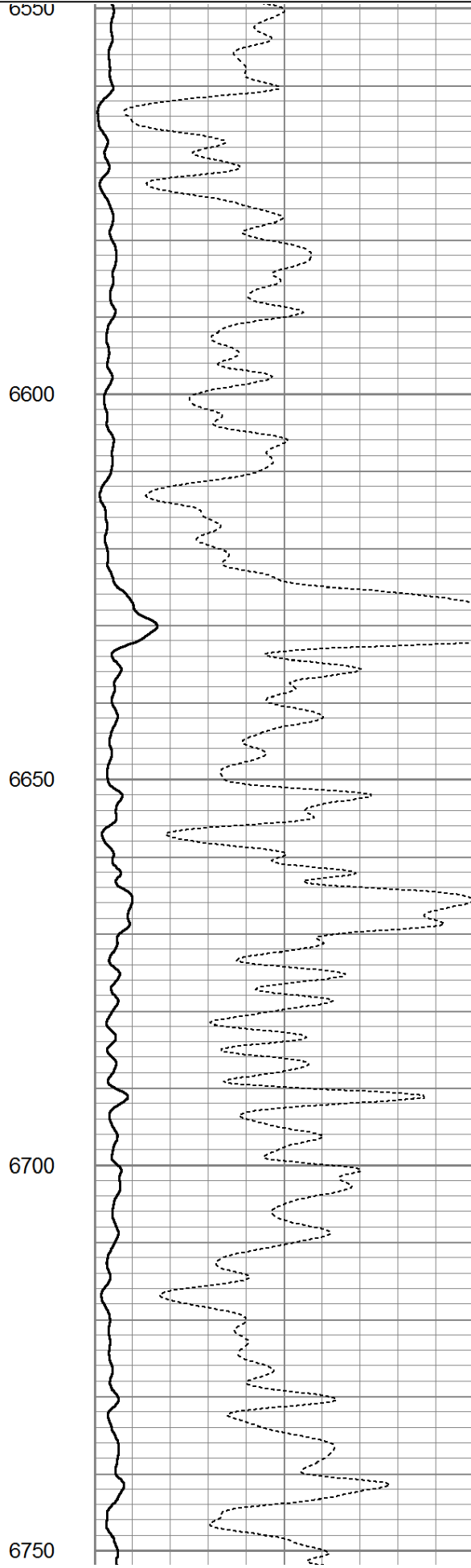
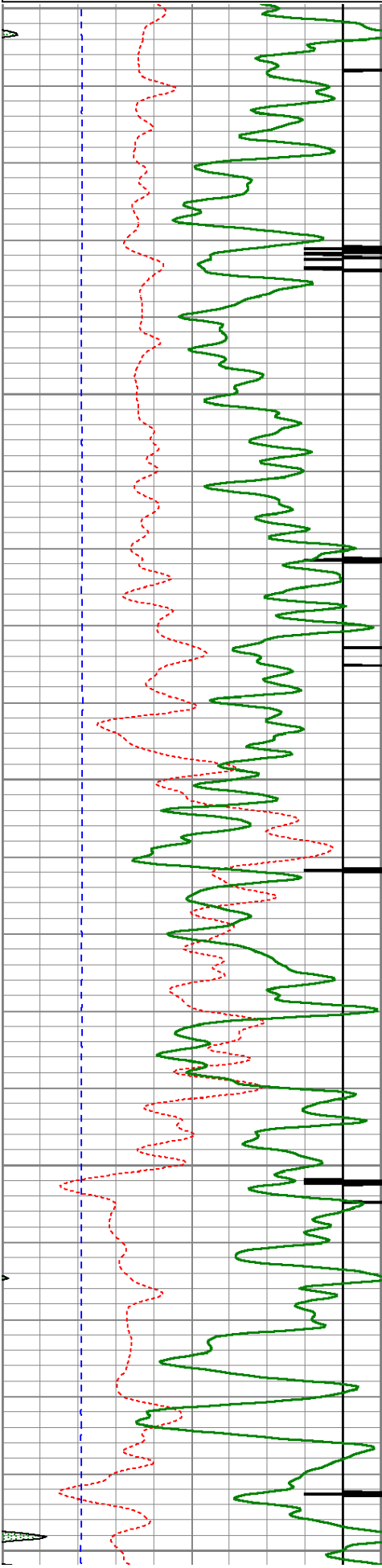


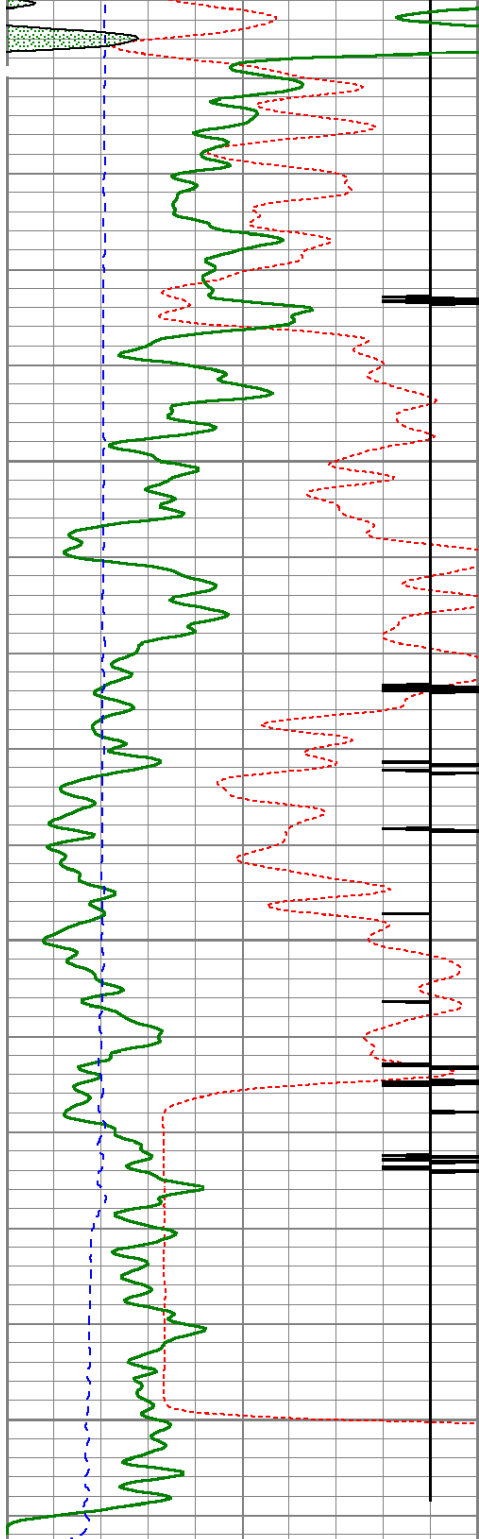
Repeat Pass (0 PSI)

Database File: bonanza_creek_wetco_farms_j_f_4hc.db
 Dataset Pathname: pass7.1
 Presentation Format: cblprobe
 Dataset Creation: Thu Mar 21 11:34:38 2013 by Calc SCH 120126
 Charted by: Depth in Feet scaled 1:240

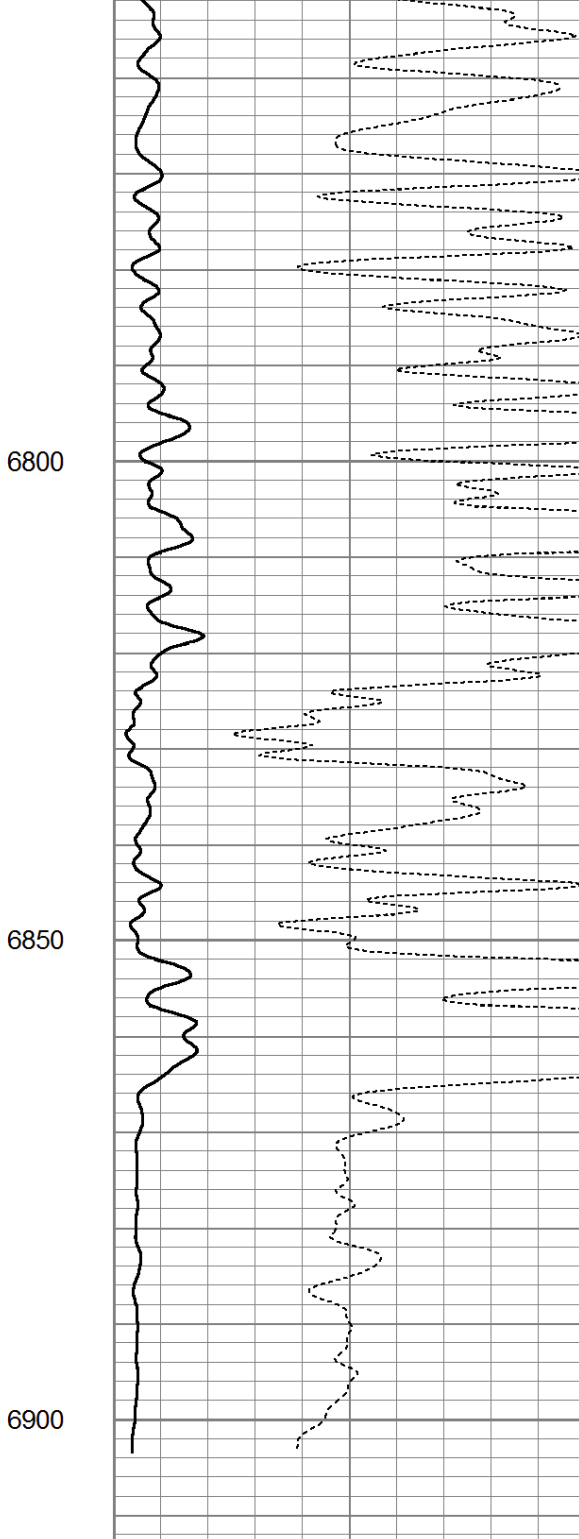


0	GR (GAPI)	150
0	Line Tension (lb)	5000

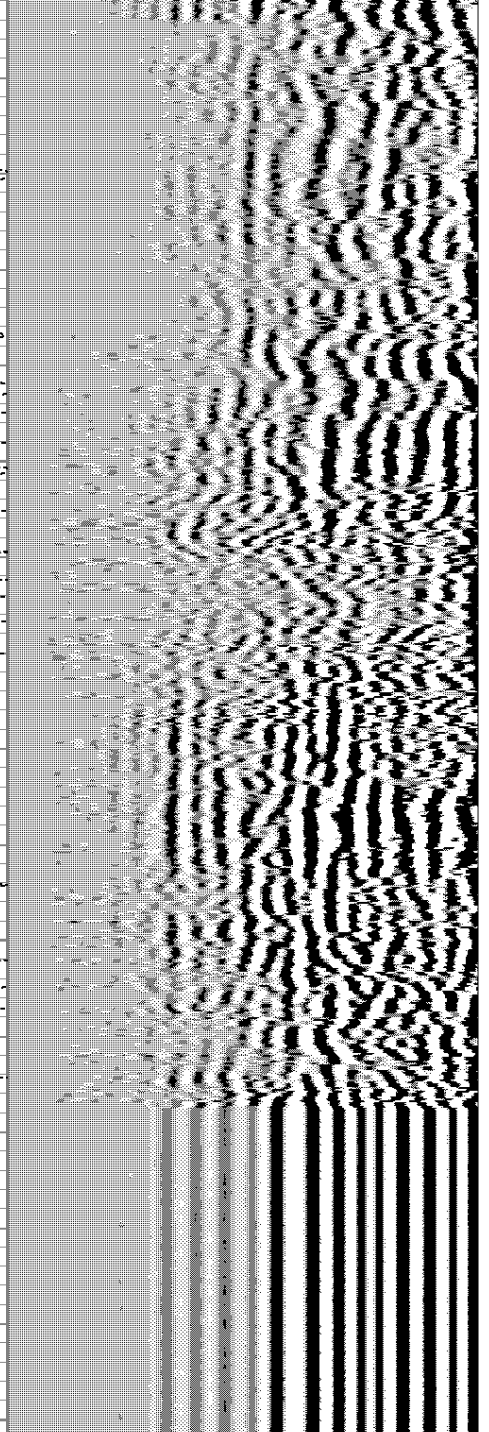




400	Travel Time (usec)	200
9	Collar Locator	-1
0	GR (GAPI)	150
0	Line Tension (lb)	5000



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



200	Variable Density	1200
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Calibration Report

Database File: bonanza_creek_wetco_farms_j_f_4hc.db
 Dataset Pathname: pass12
 Dataset Creation: Thu Mar 21 11:38:27 2013

Gamma Ray Calibration Report

Serial Number: 120367-Dig
 Tool Model: Probe275

Tool Model: 1100CZ75
 Performed: Fri Jun 11 16:02:47 2004

Calibrator Value: 138.0 GAPI

Background Reading: 37.7 cps
 Calibrator Reading: 241.8 cps

Sensitivity: 0.8500 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 101224
 Tool Model: Probe

Calibration Casing Diameter: 7.000 in
 Calibration Depth: 6058.760 ft

Master Calibration, performed Wed Mar 20 09:39:13 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	0.670	1.000	62.165	73.192	4.905
CAL	-0.014	1.180				
5'	-0.004	0.490	1.000	62.165	123.845	1.509
SUM						
S1	-0.079	0.632	0.000	100.000	120.519	1.134
S2	0.008	0.590	0.000	100.000	131.971	-0.381
S3	0.001	0.618	0.000	100.000	132.131	0.482
S4	0.001	0.727	0.000	100.000	117.831	-0.446
S5	0.000	0.786	0.000	100.000	107.326	-0.851
S6	-0.001	0.741	0.000	100.000	120.799	0.950
S7	0.004	0.664	0.000	100.000	131.404	-0.538
S8	0.002	0.633	0.000	100.000	128.385	-0.304

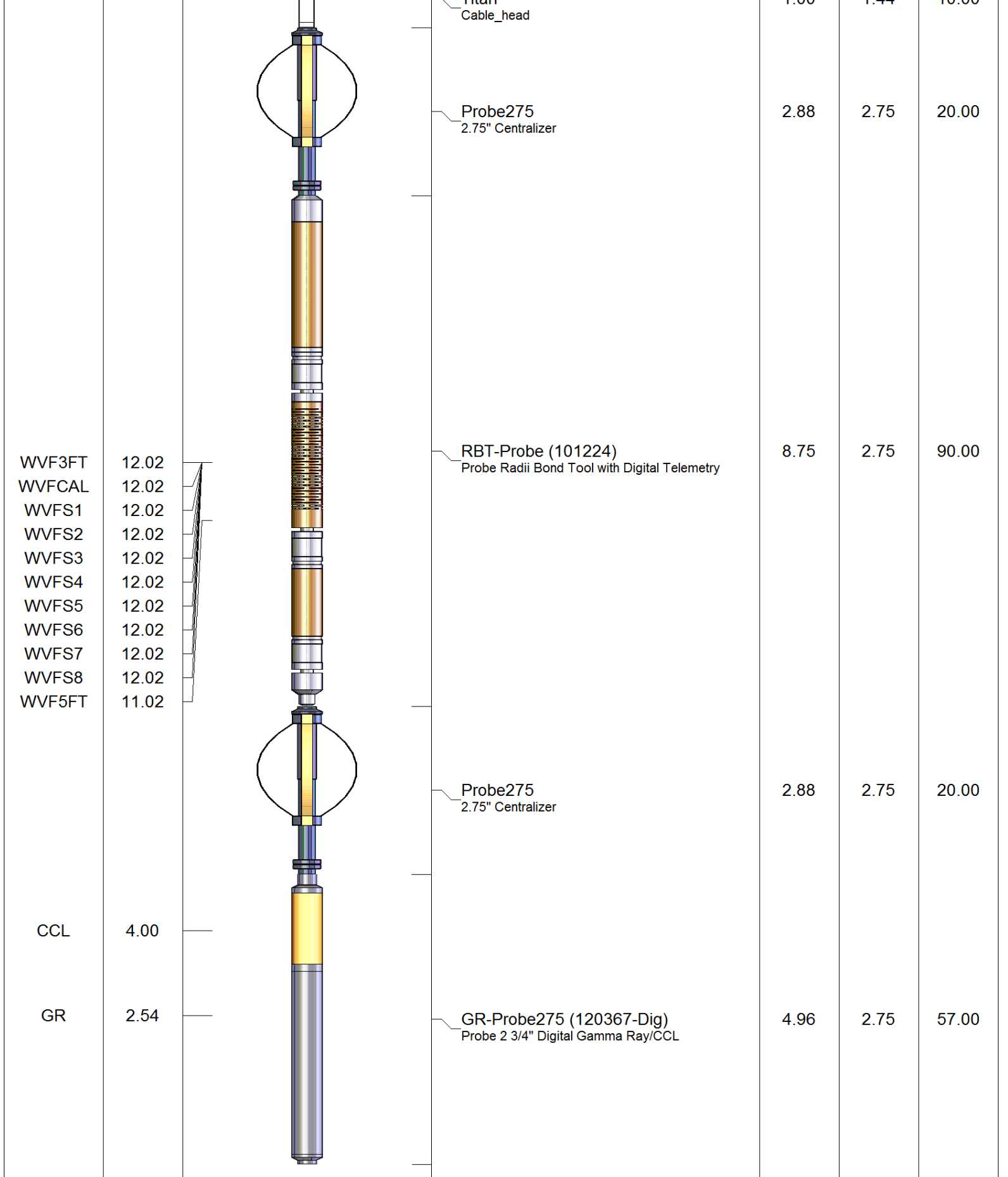
Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.014	1.180	1.000	0.000

Air Zero Calibration, performed Wed Mar 20 08:15:54 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	1.00	1.14	10.00



Dataset: bonanza_creek_wetco_farms_j_f_4hc.db: field/well/run1/pass11
 Total Length: 20.46 ft
 Total Weight: 197.00 lb
 O.D. 2.75 in