

CEMENT BOND LOG

Mesa Wireline

Company ENCANA OIL & GAS (USA) INC.
Well HERREN 1A-33H
Field WATTENBERG
County WELD
State COLORADO

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Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-33249-0000
SHL: 246' FNL & 253' FEL
LAT: 40.188800 LONG: -104.886690
SEC. 33 TWP. 3N RGE. 67W
Permanent Datum GROUND LEVEL Elevation 4824'
Log Measured From KELLY BUSHING = 12'
Drilling Measured From KELLY BUSHING
Other Services
NONE
Elevation
K.B. 4836'
D.F. 4835'
G.L. 4824'

Date	3 JUNE 2011	15 JUNE 2011	
Run Number	ONE	TWO	
Depth Driller	7467'	7467'	
Depth Logger	7302'	7320'	
Bottom Logged Interval	7302'	7320'	
Top Log Interval	SURFACE	SURFACE	
Open Hole Size	8.750"	8.750"	
Type Fluid	WATER	WATER	
Density / Viscosity	~8.3#	~8.3#	
Max. Recorded Temp.	N/A	N/A	
Estimated Cement Top	N/A	N/A	
Time Well Ready	N/A	N/A	
Time Logger on Bottom	N/A	N/A	
Equipment Number	10901 PRD 01	10501 PRD 01	
Location	AULT, CO	AULT, CO	
Recorded By	C. PACE	Z. EMICK	
Witnessed By	CHRIS-ENSGN 135	CHRIS-ENSGN 135	
Borehole Record			
Run Number	Bit	From	To
ONE	12.25"	0'	832'
TWO	8.750"	832'	7467'
Tubing Record			
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	40#	0'
Prot. String			
Production String	7"	26.0#	0'
Liner			

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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

LOG CORRELATED TO MESA WIRELINE CBL DATED 3 JUNE 2011 GAMMA SPIKE AT 4742'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, AULT, CO. (970) 834-2495

MAIN PASS

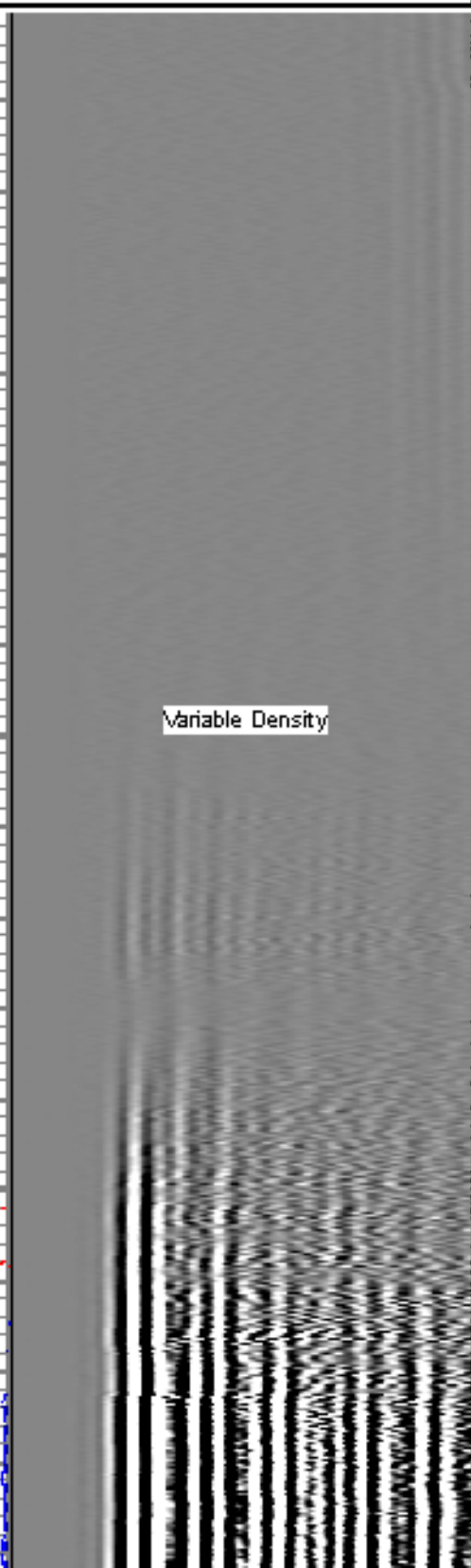
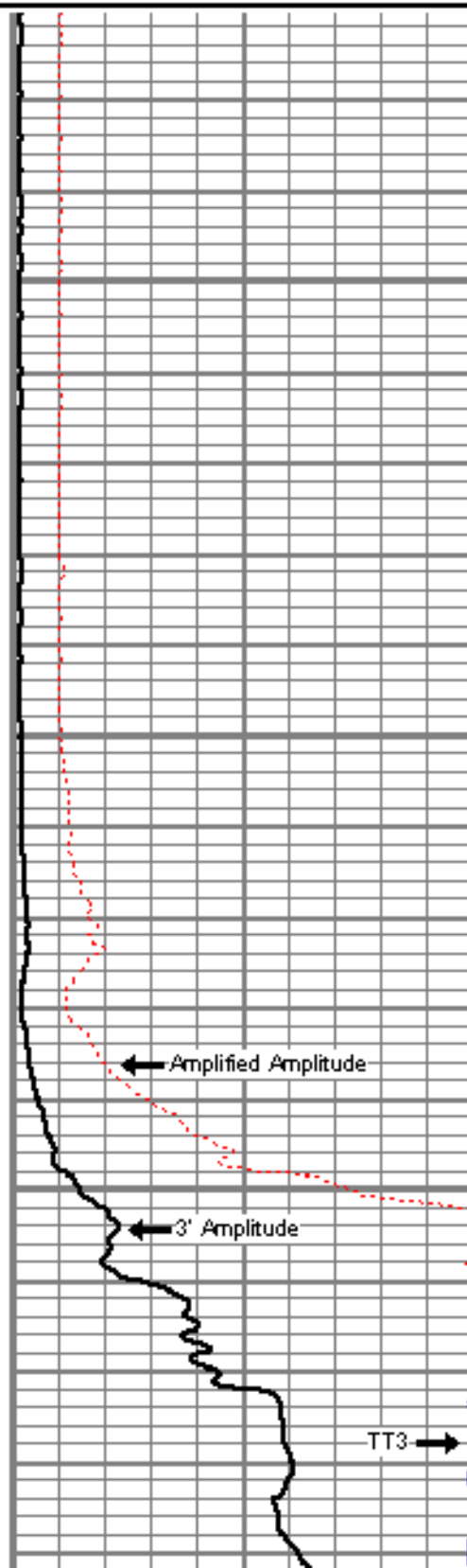
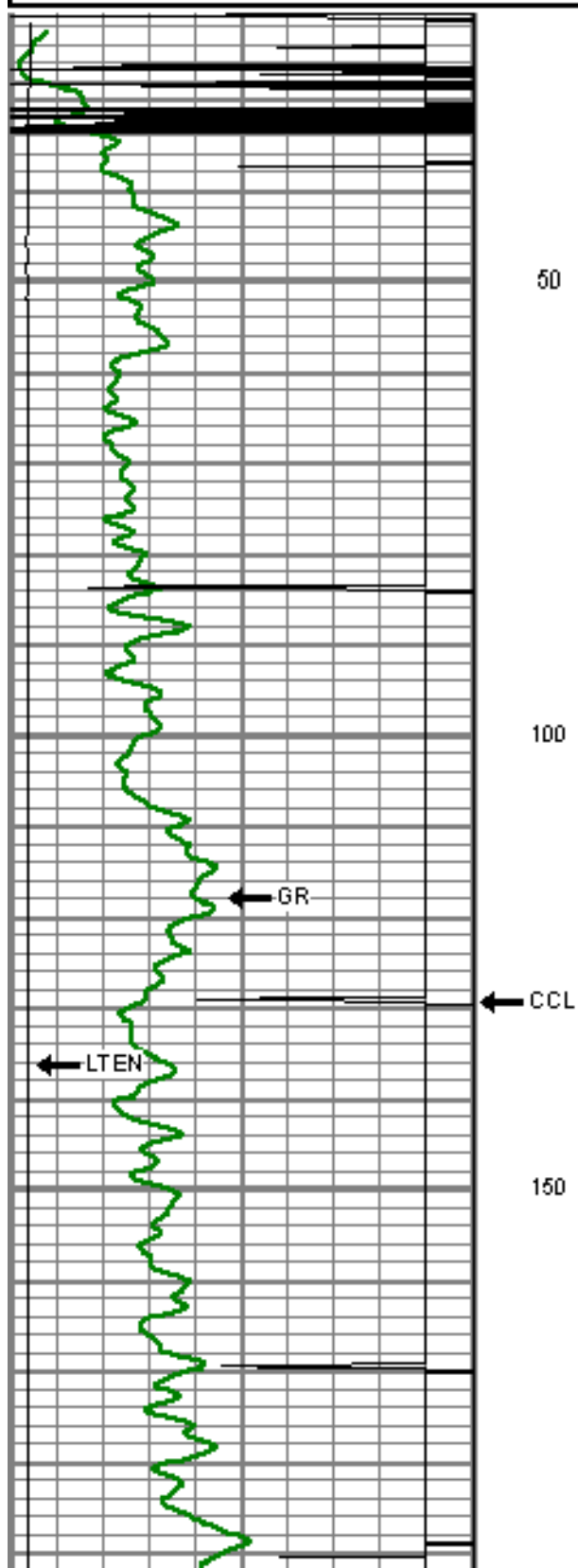


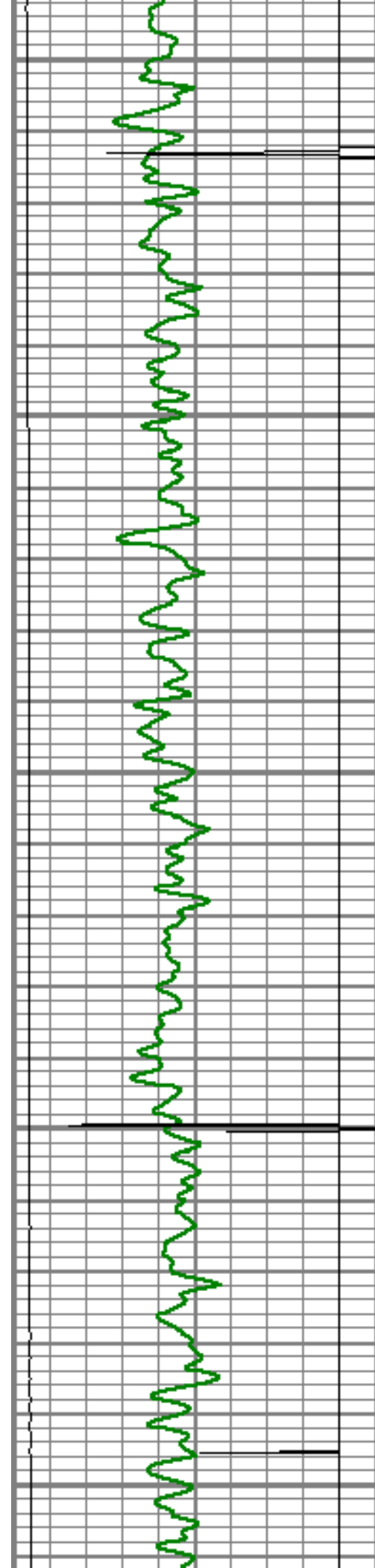
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Dataset Pathname: pass5
Presentation Format: dcbl_prb
Dataset Creation: Wed Jun 15 15:35:27 2011 by Log SCH 110223
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
0	LTEN (lb)	5000
9	CCL	-1

0	Amplified Amplitude (mV)	20
0	Amplitude (mV)	100
0	TT3 (usec)	340

200 Variable Density 1200





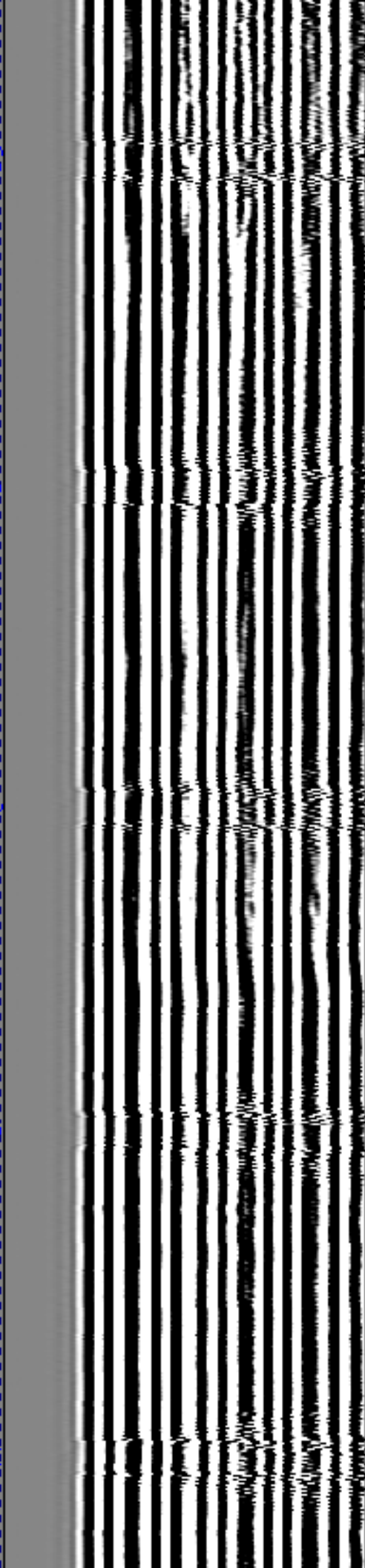
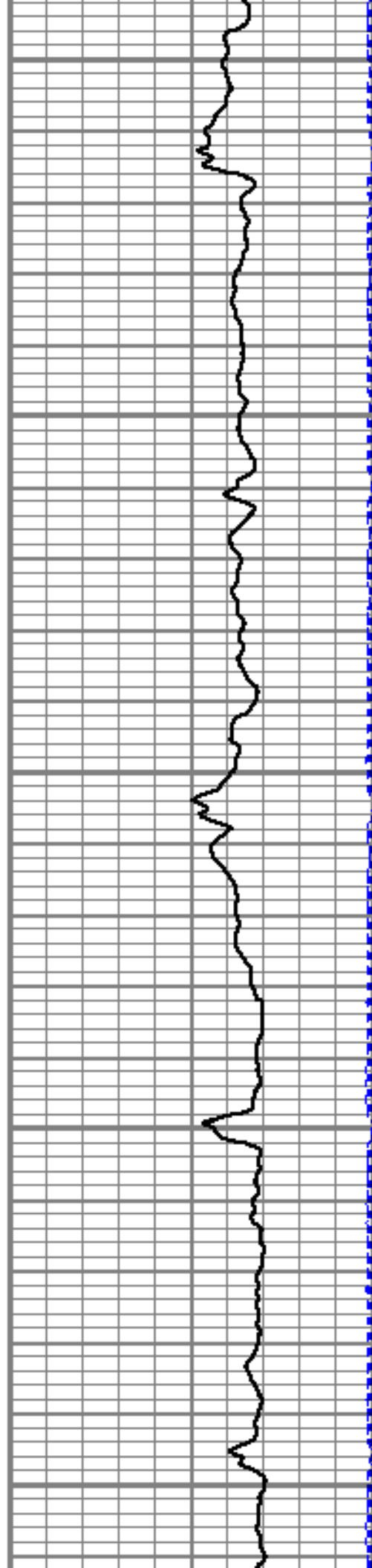
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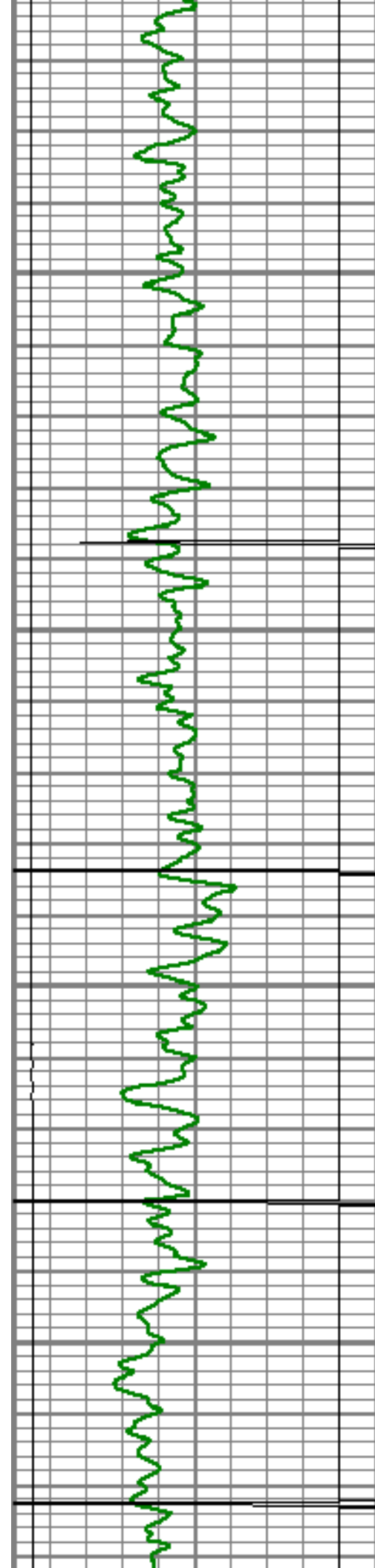
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300

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400



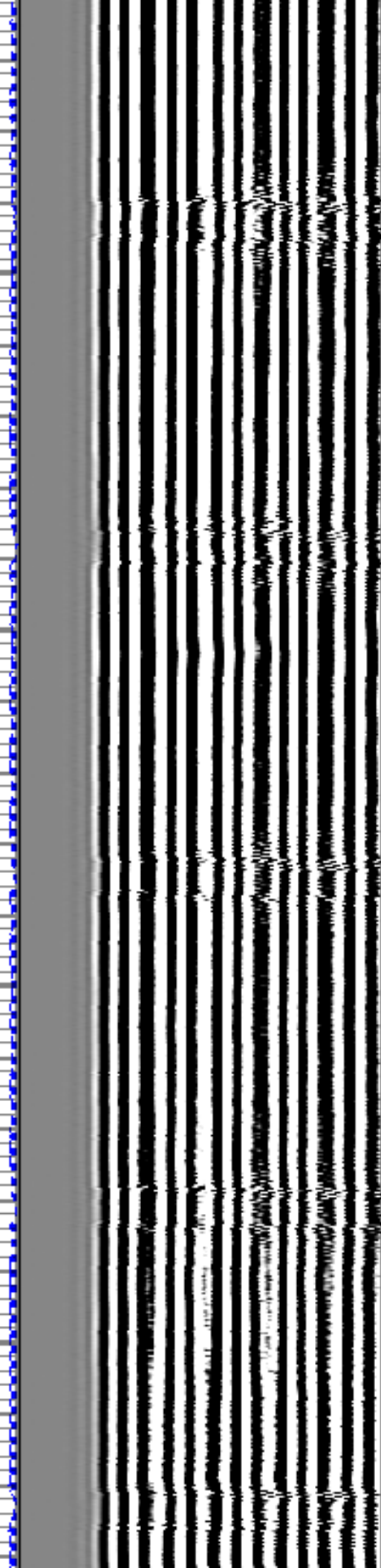
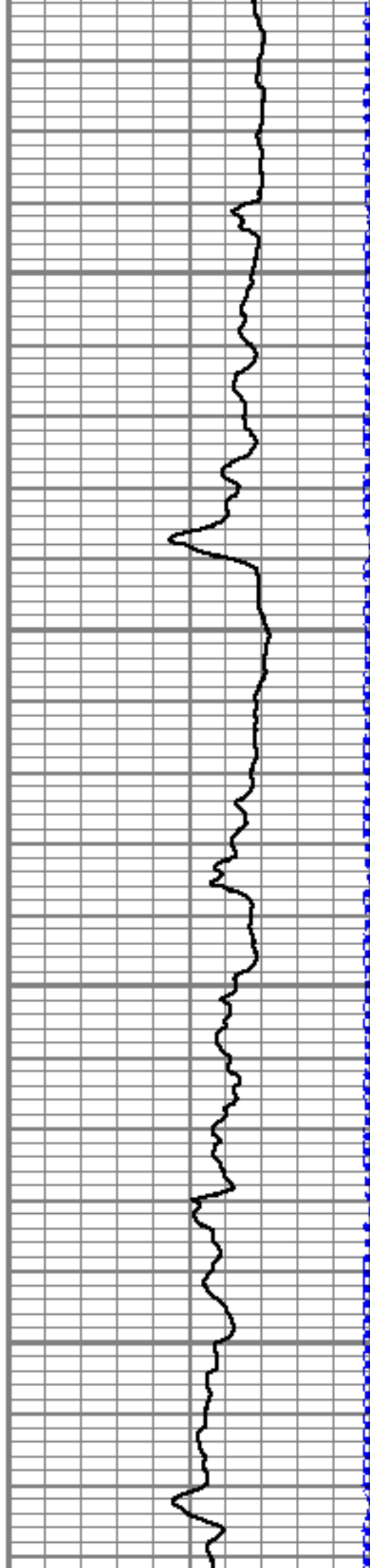


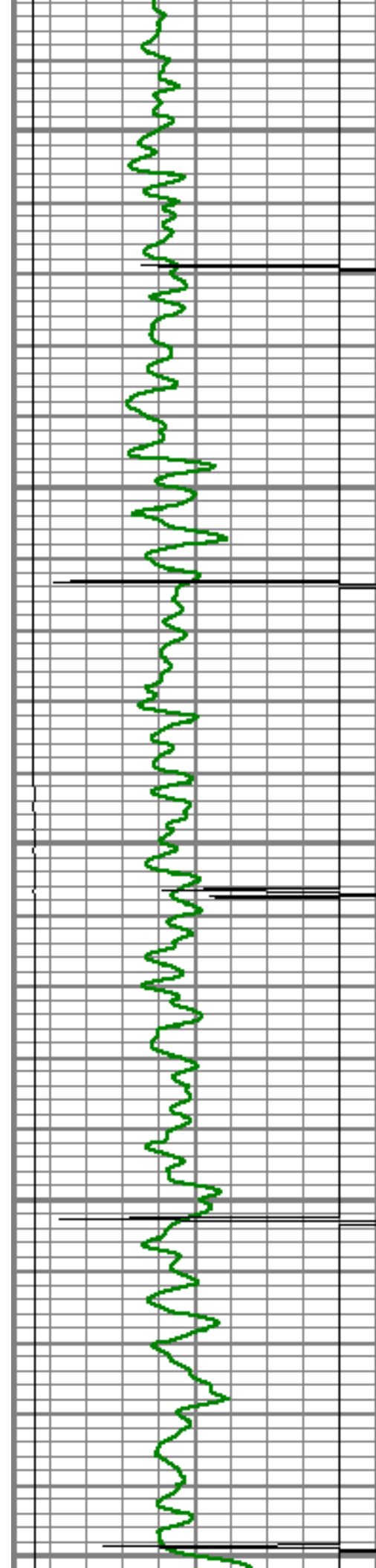
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500

550

600





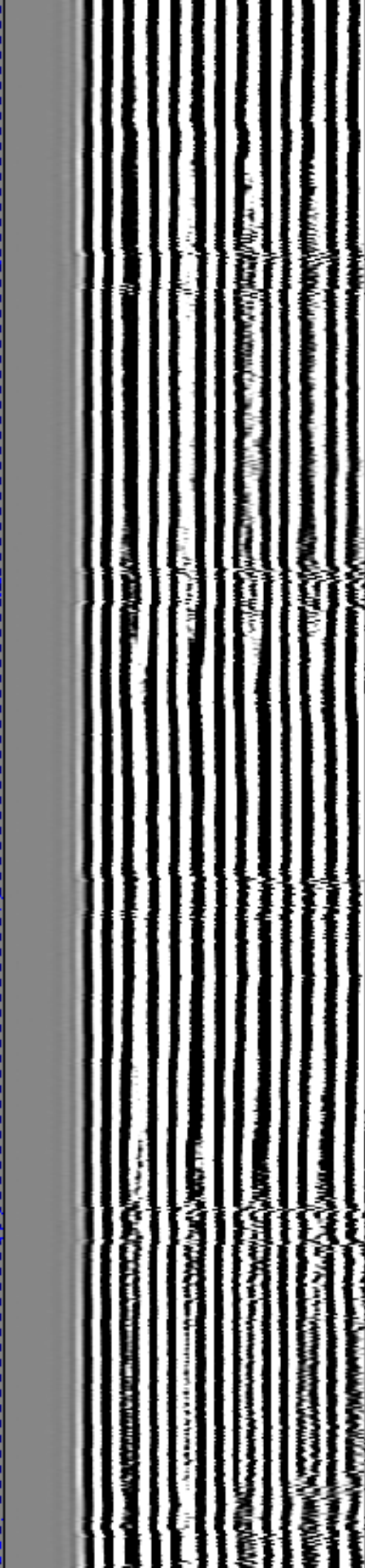
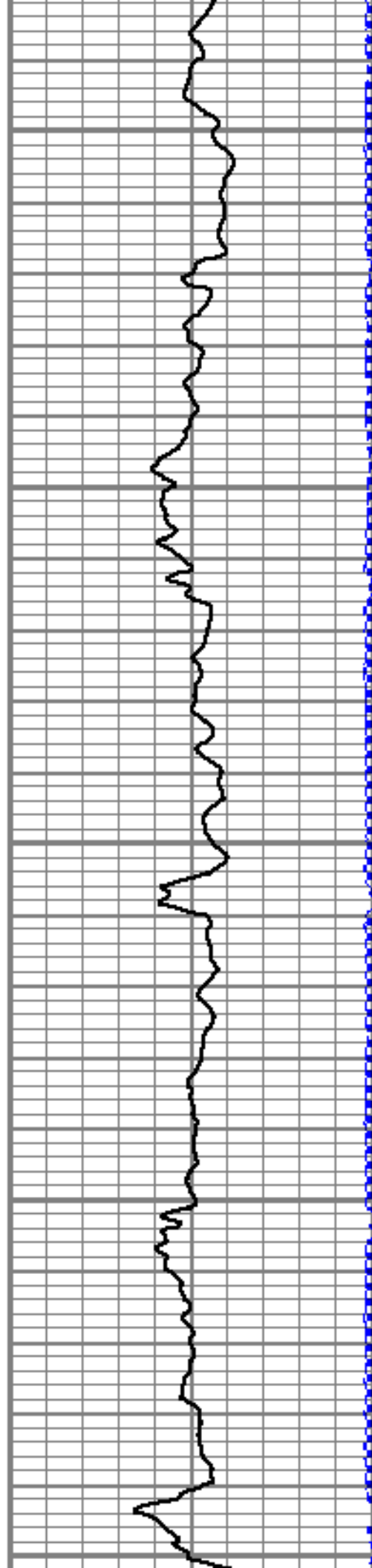
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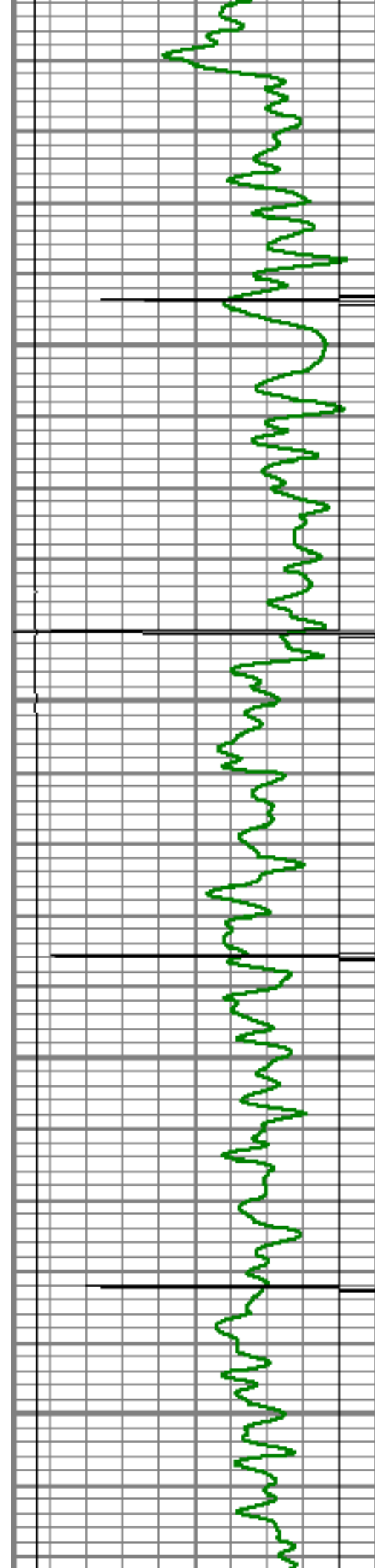
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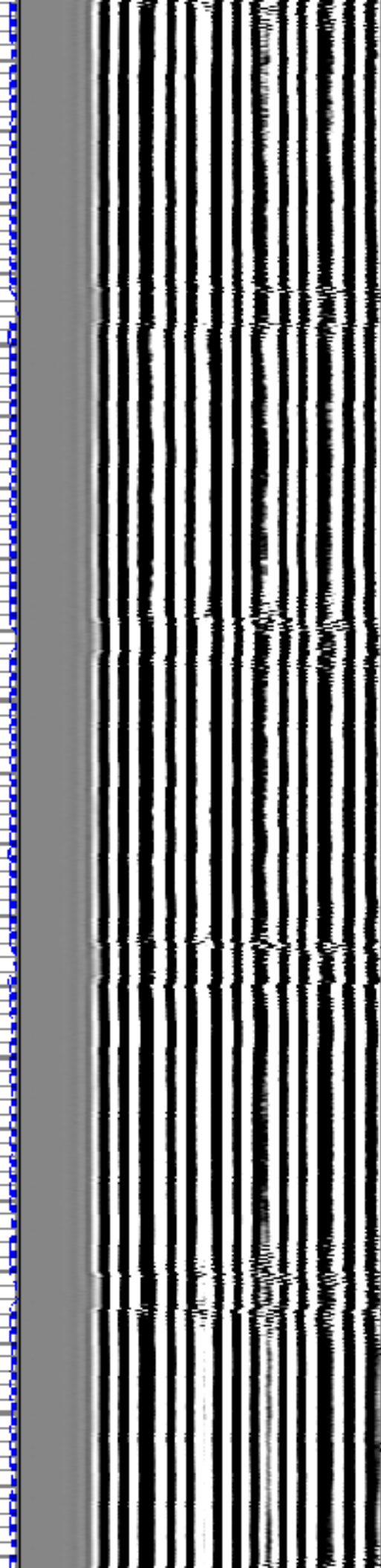
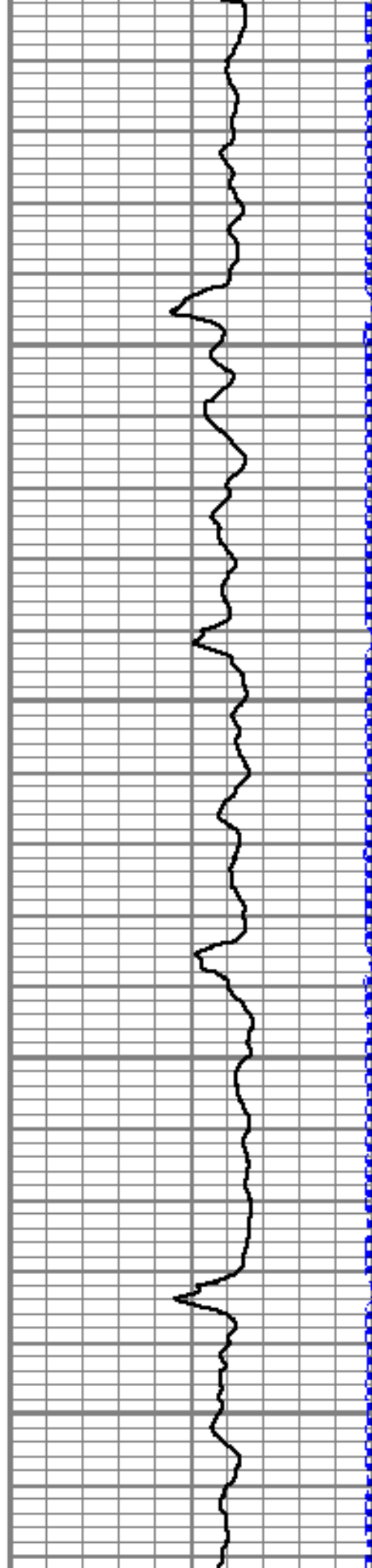


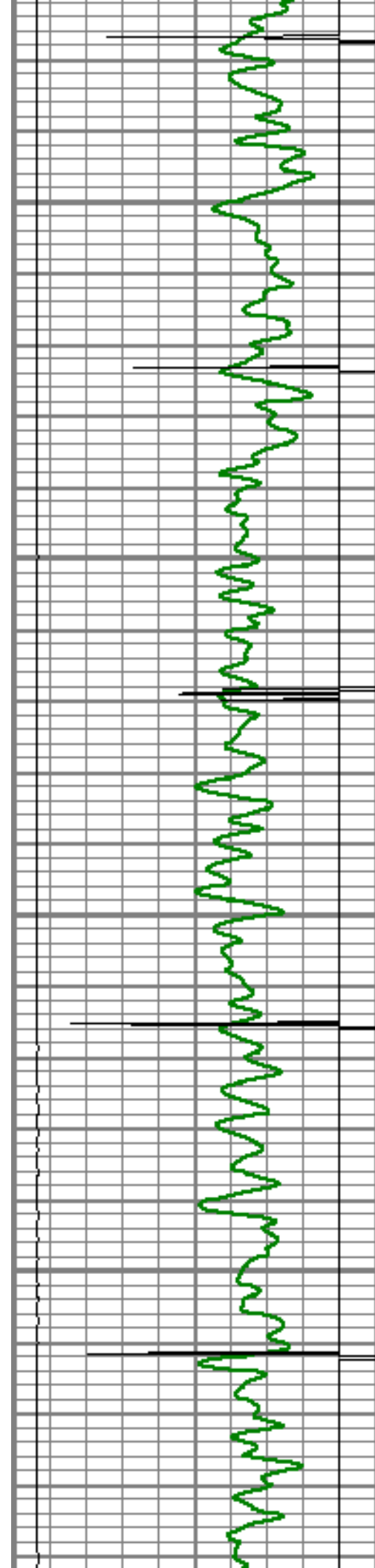
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1000

1050



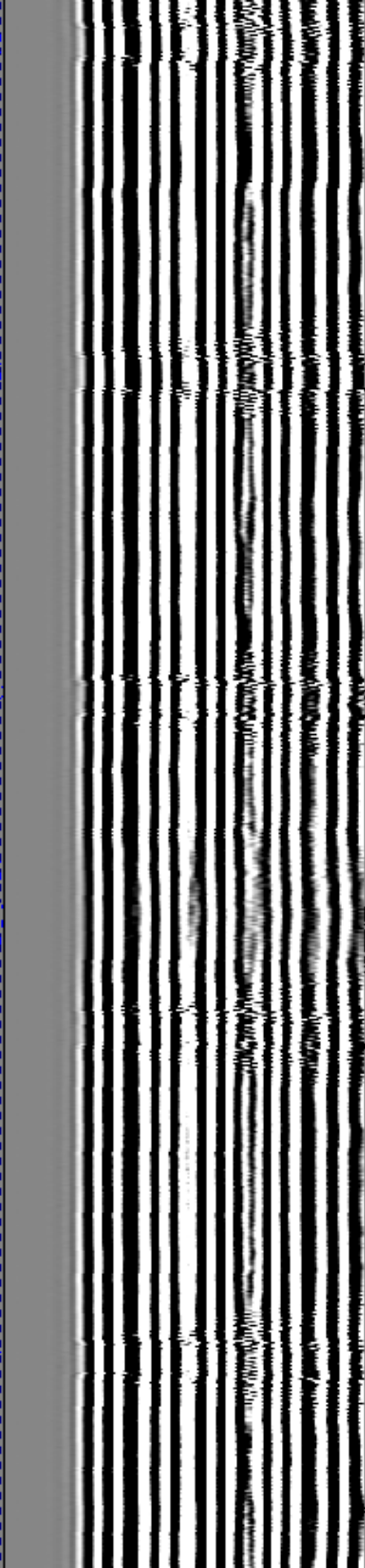


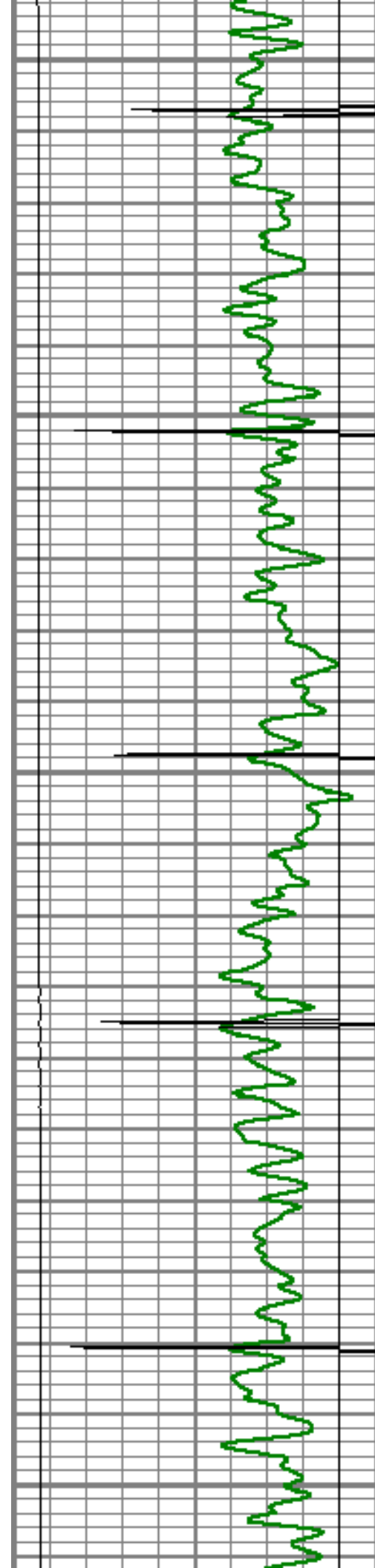
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1200

1250





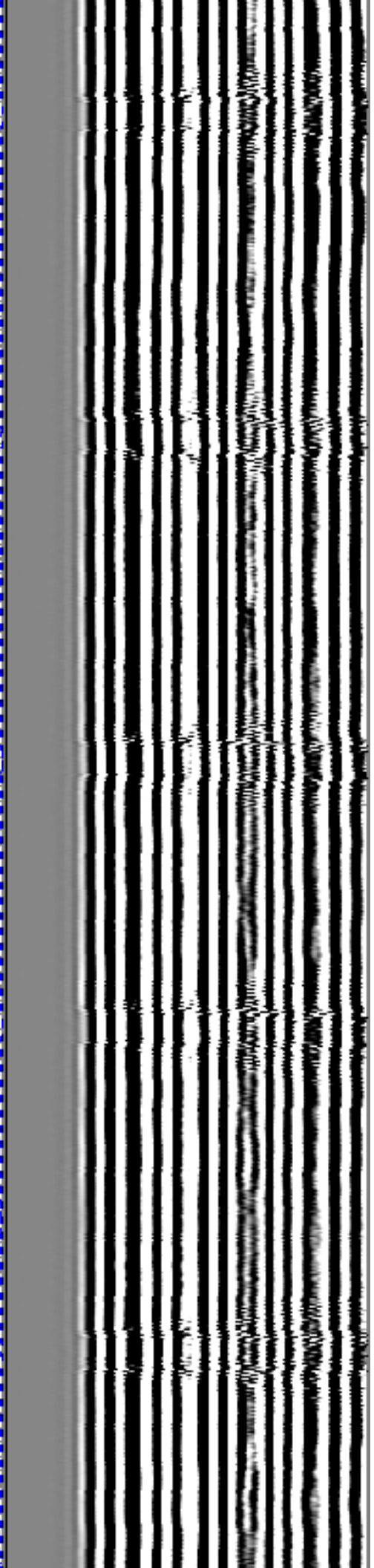
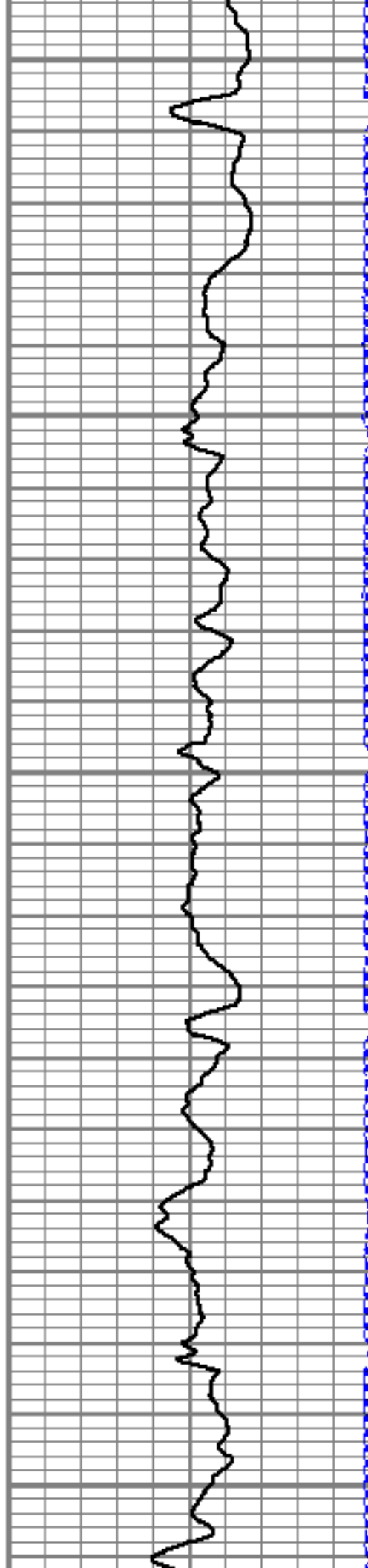
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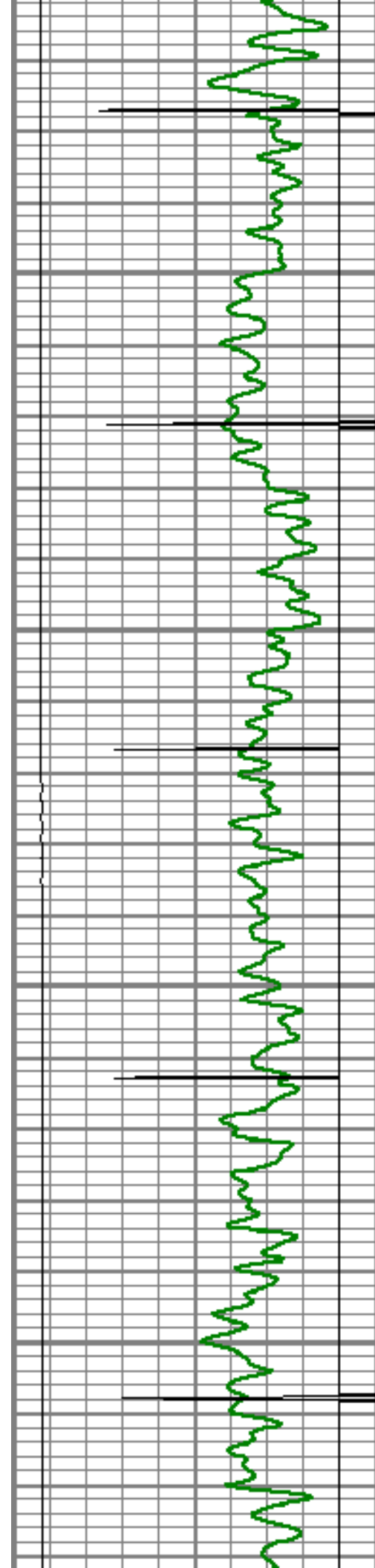
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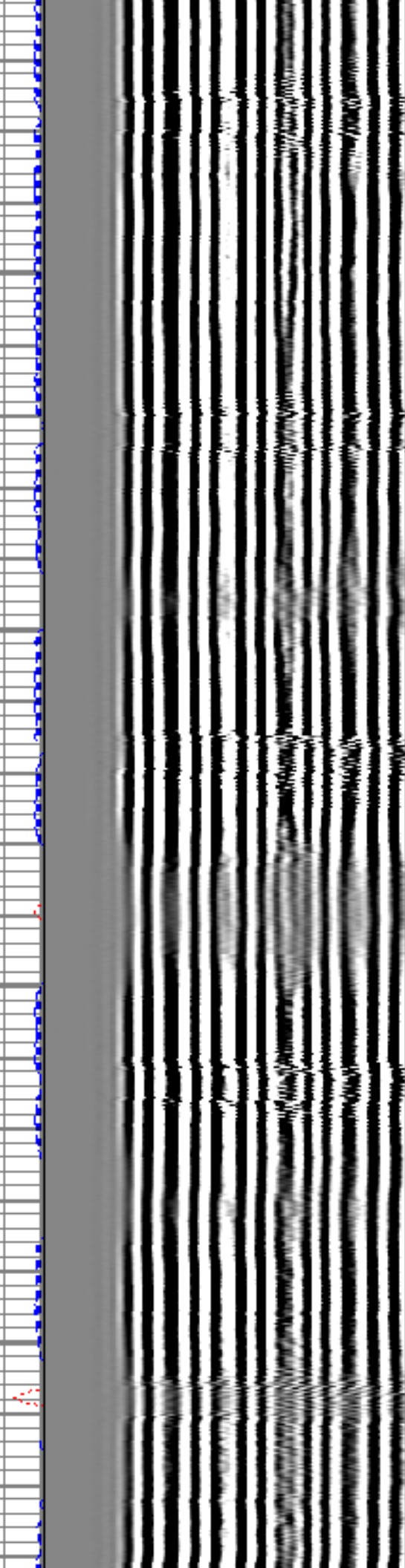
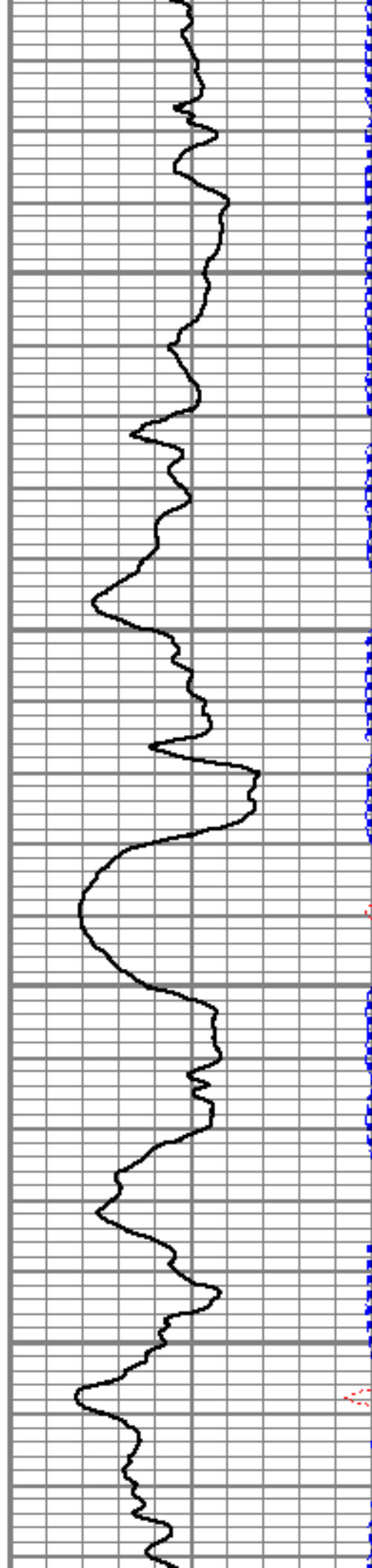


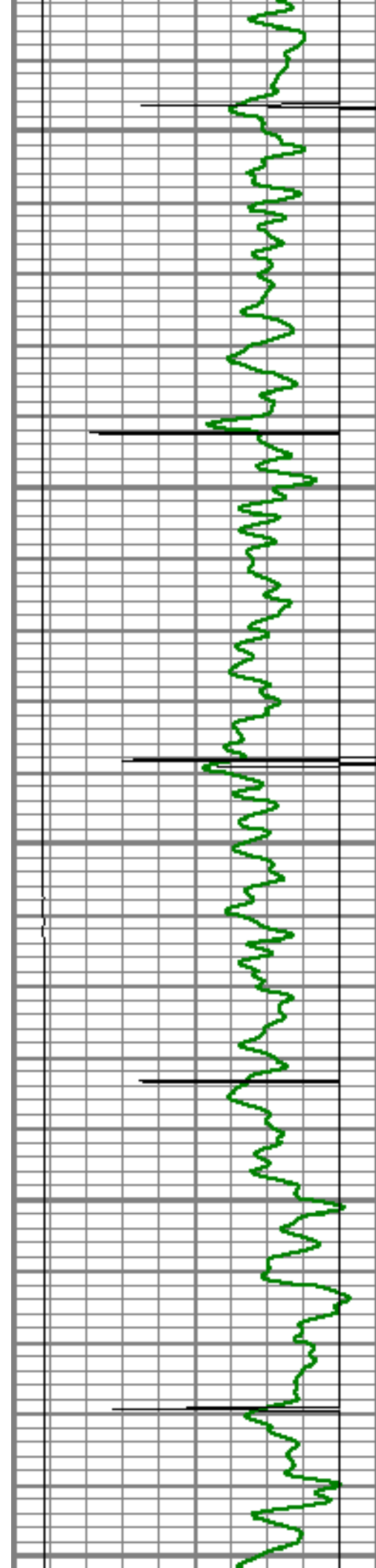
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1650

1700





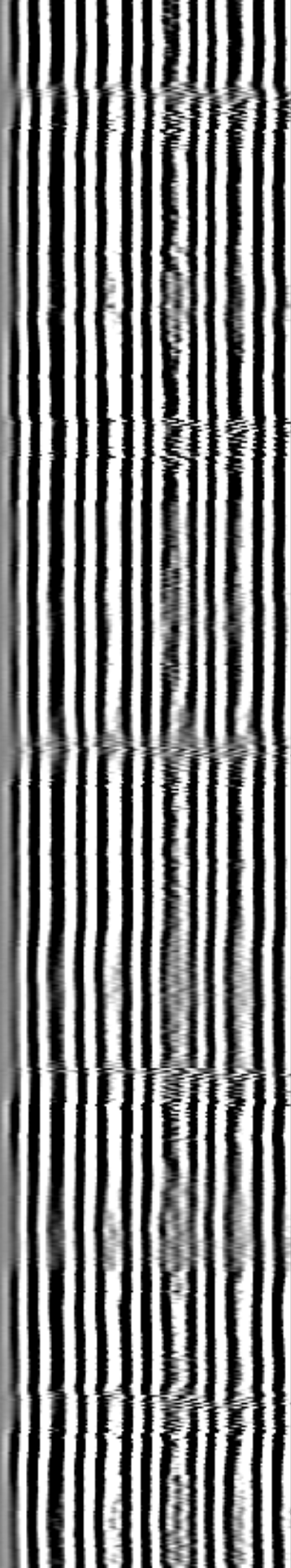
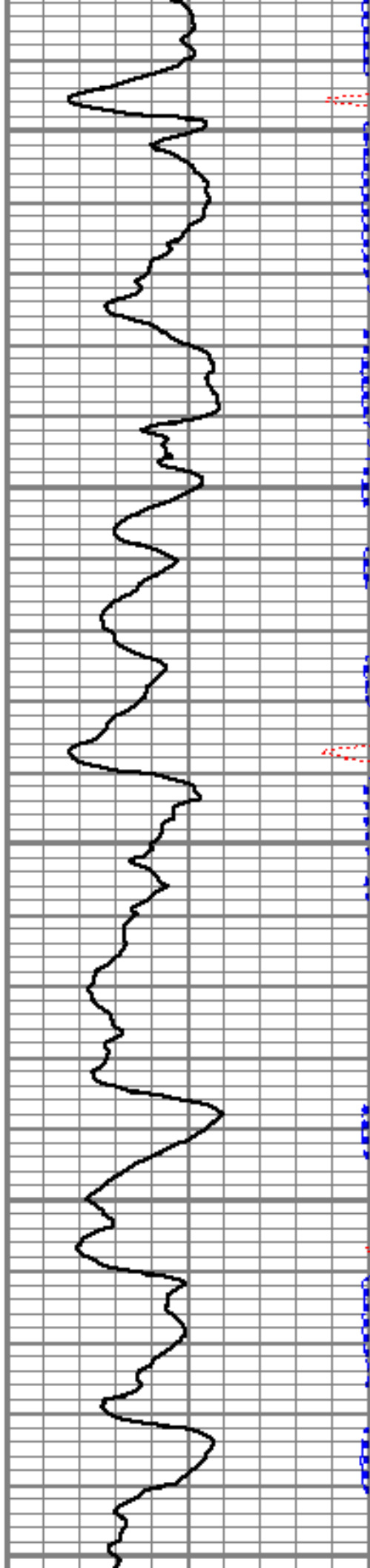
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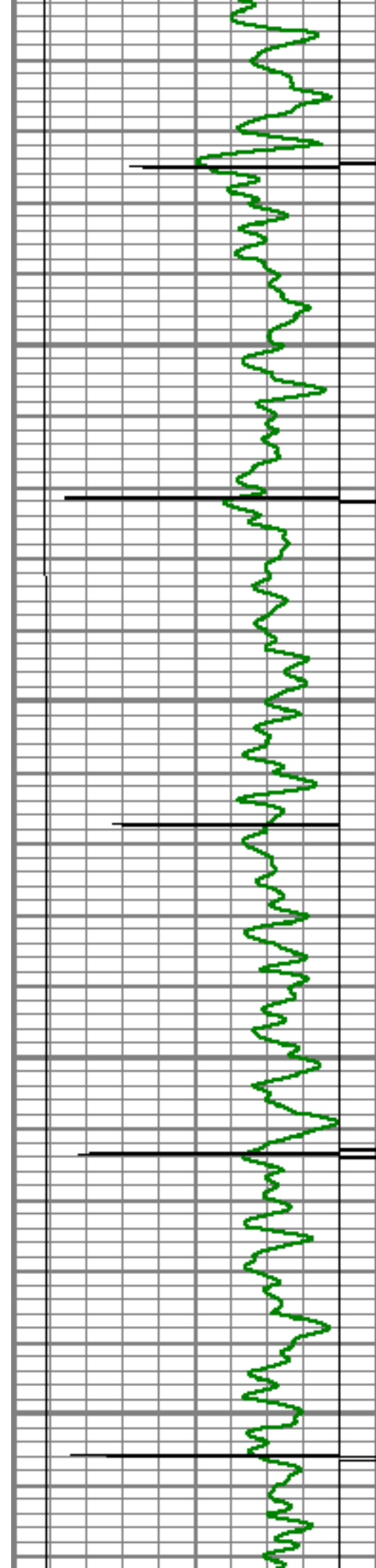
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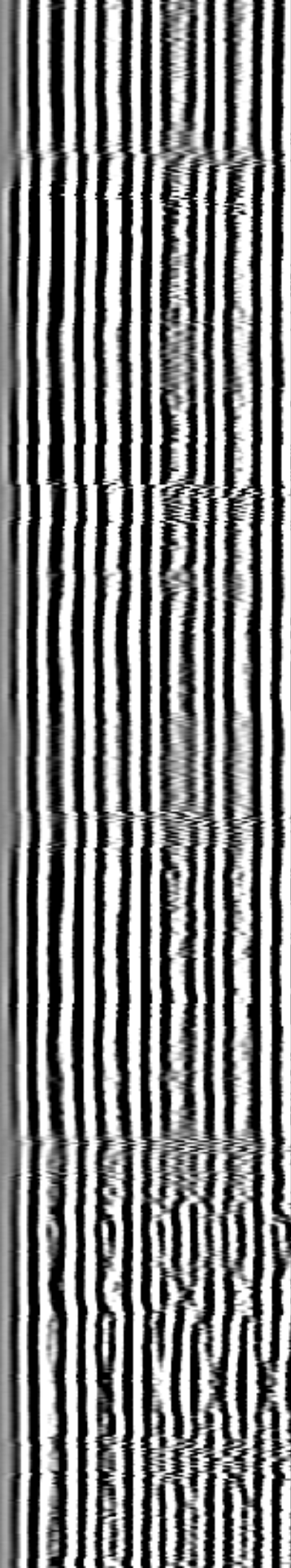
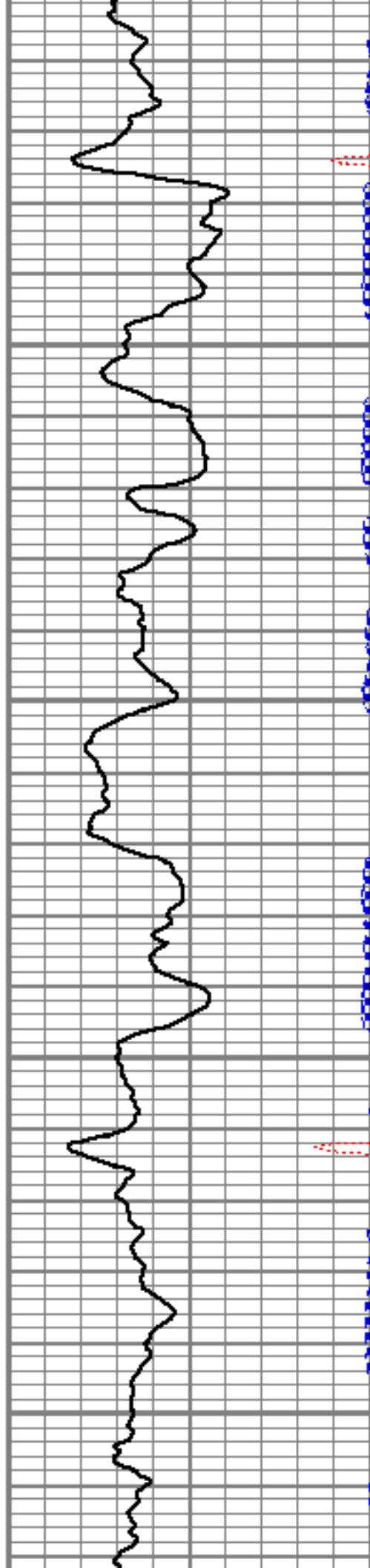


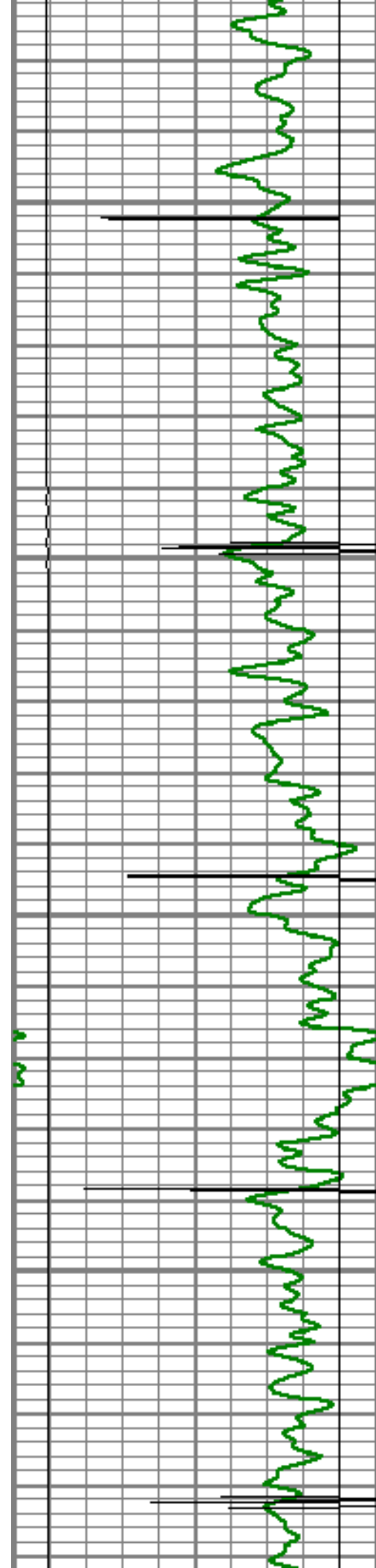
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2100

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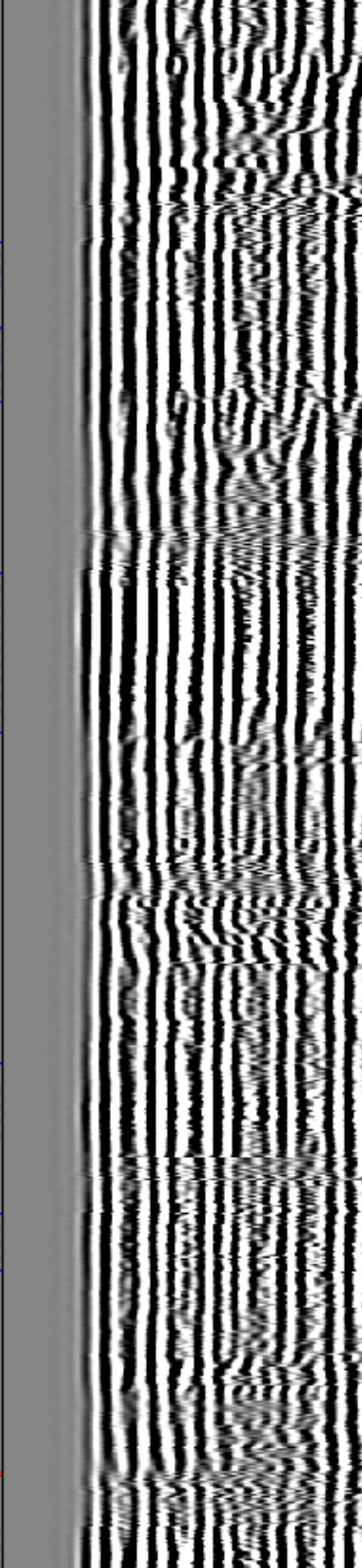
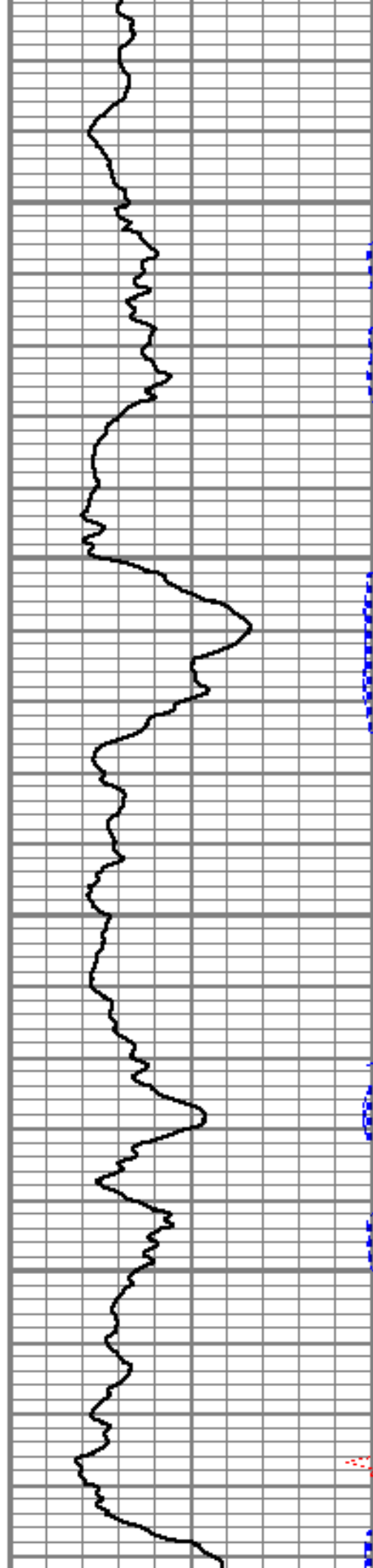


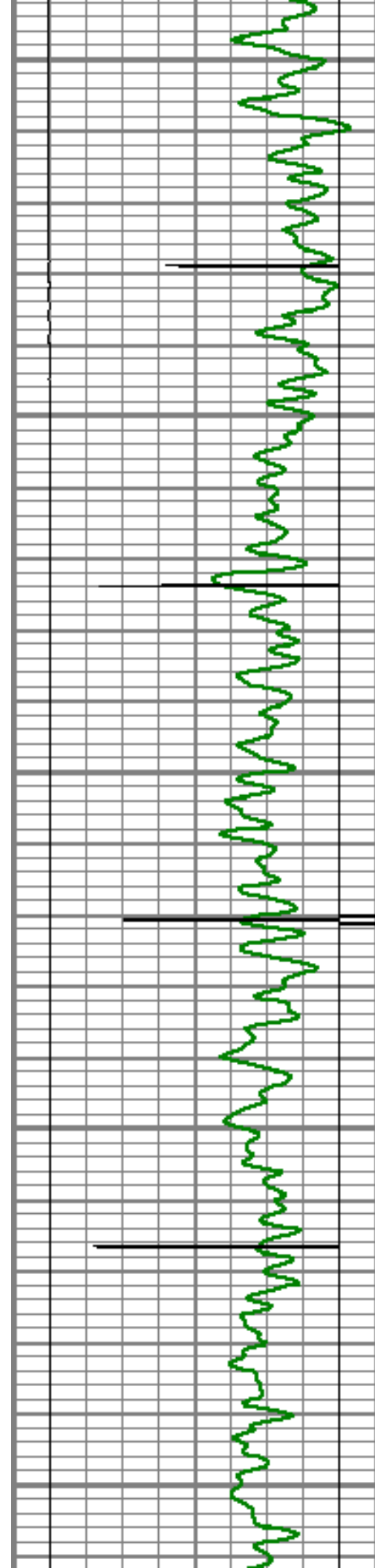
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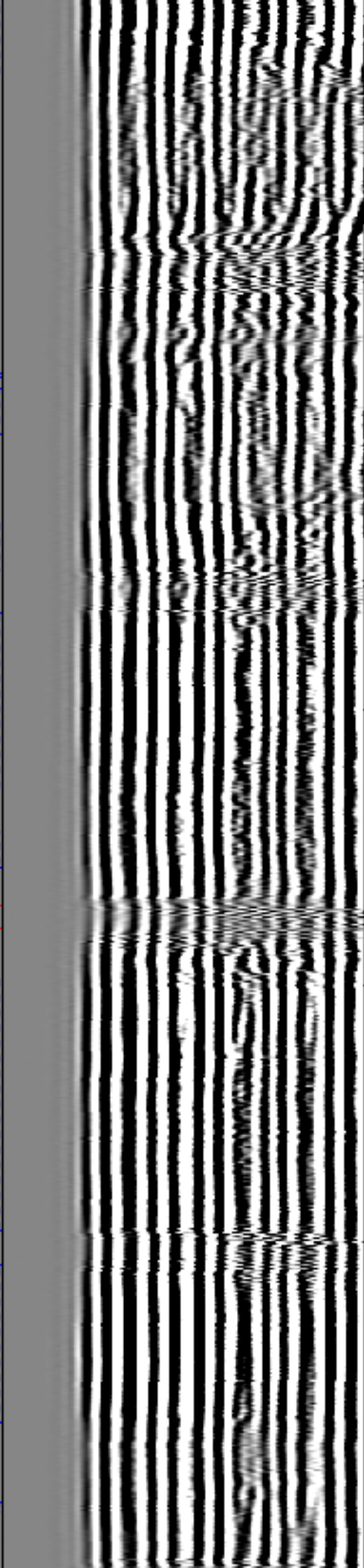
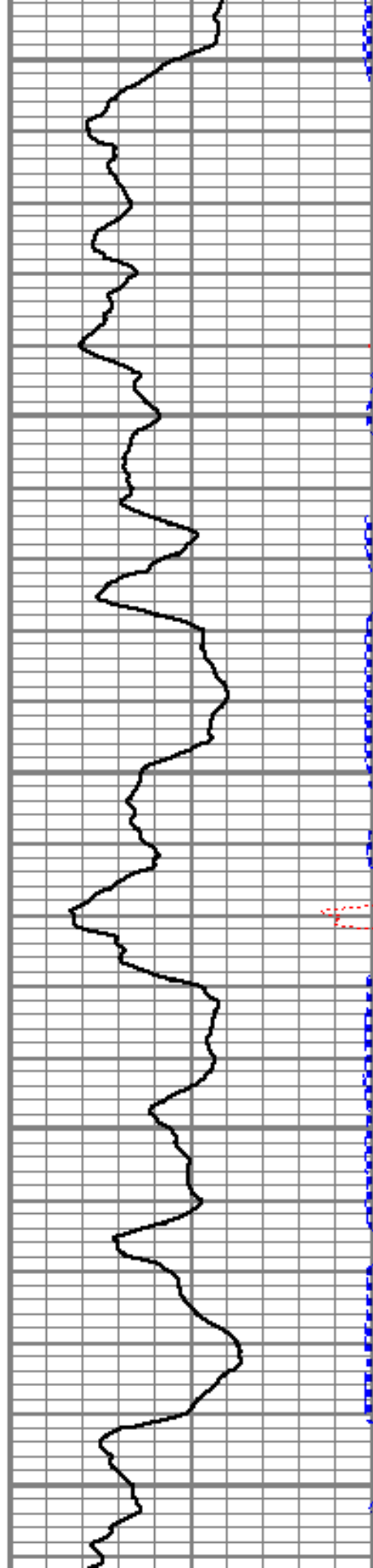
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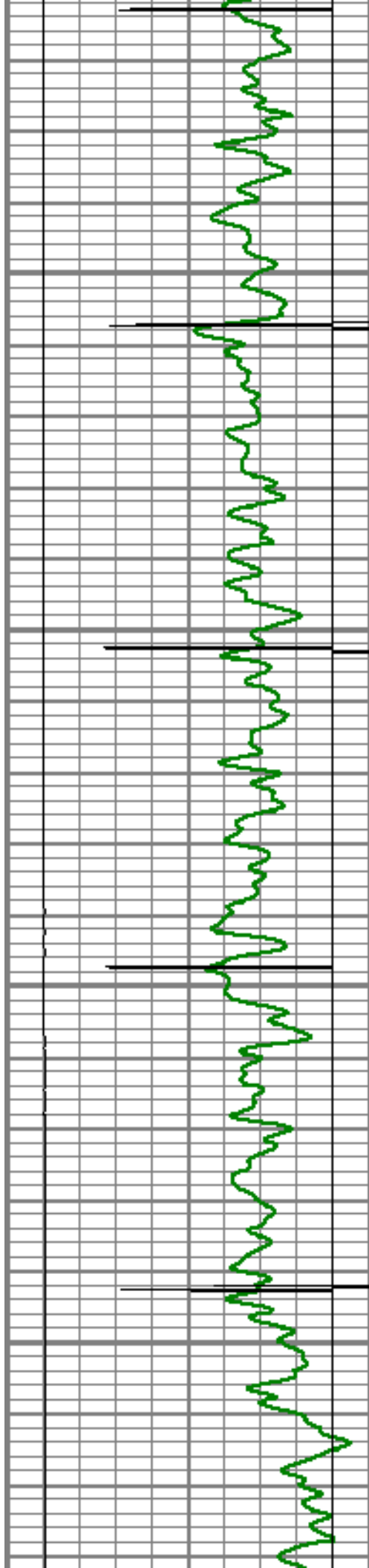
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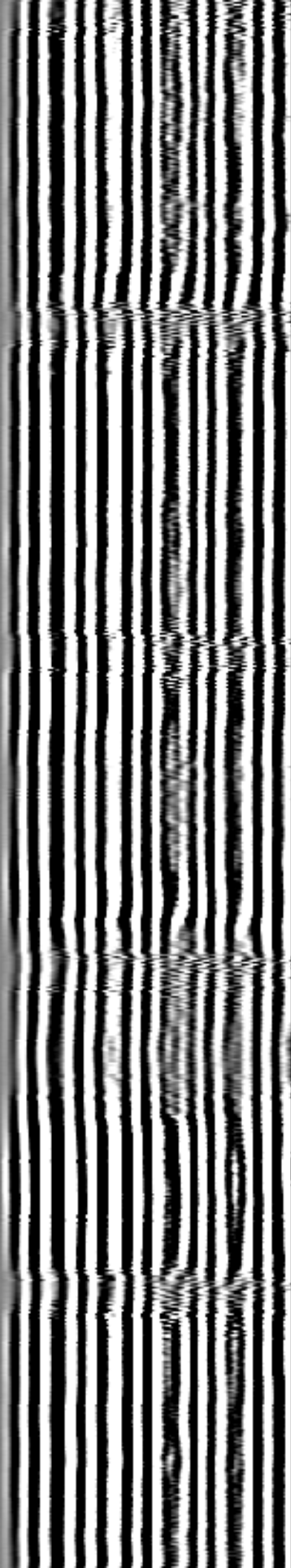
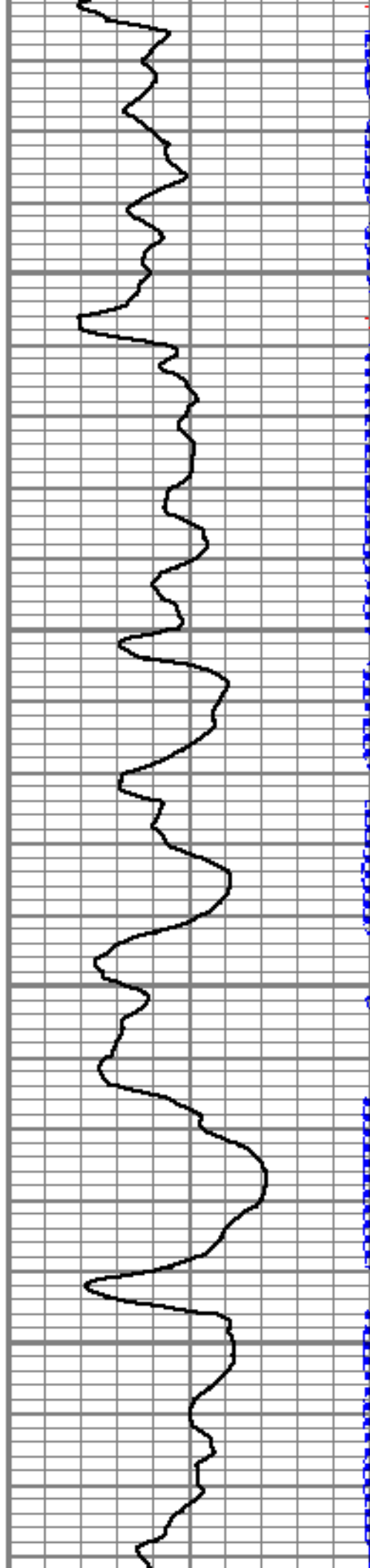


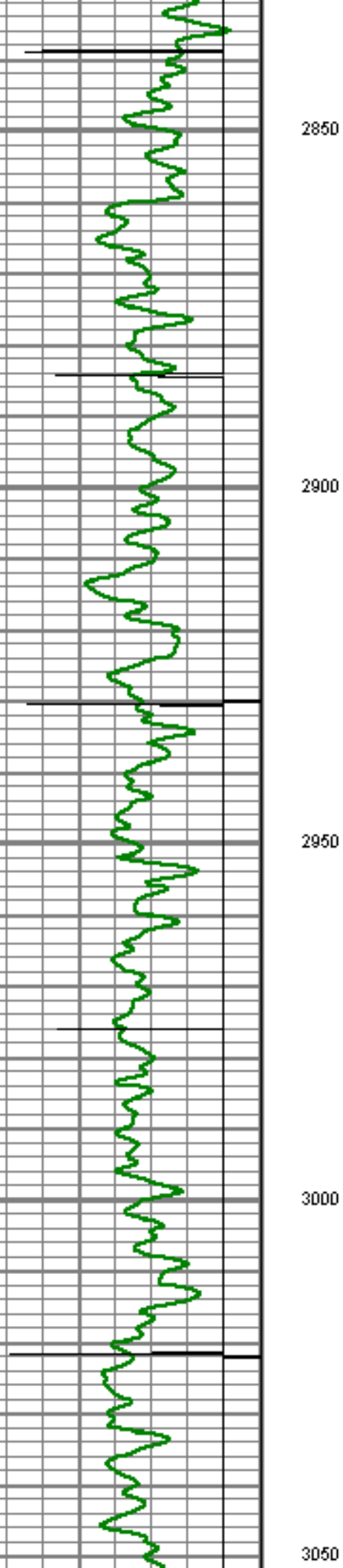
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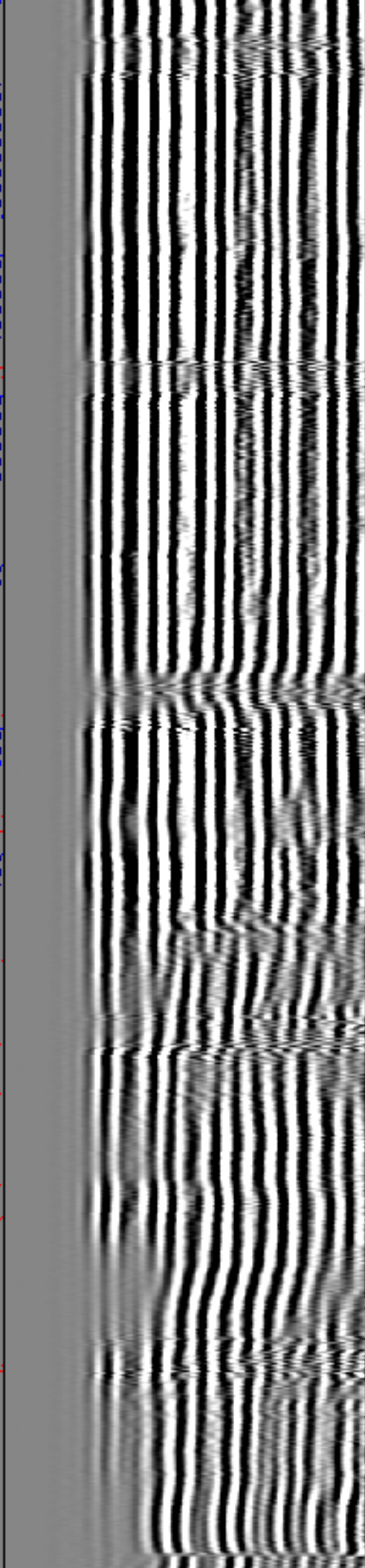
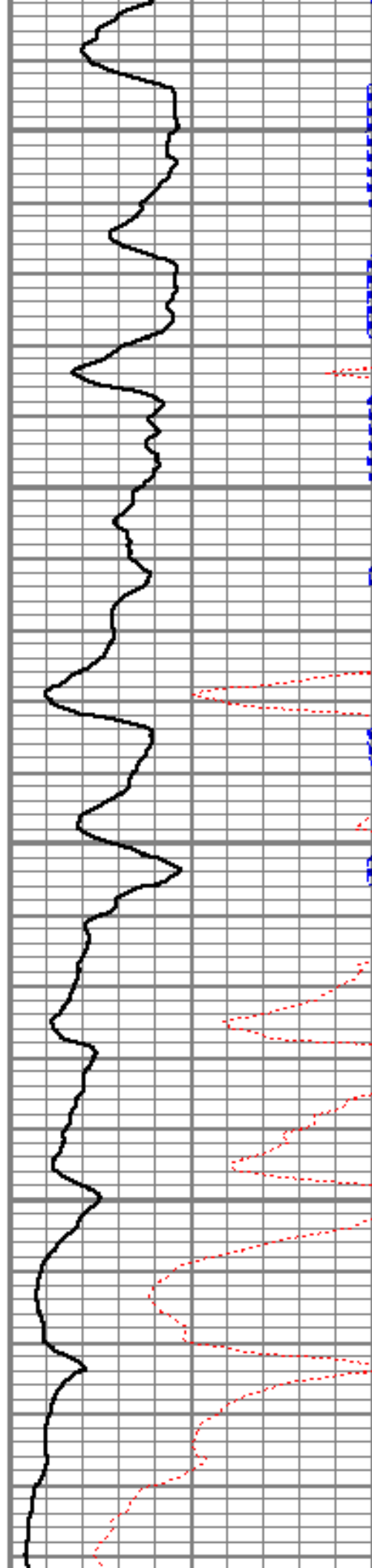
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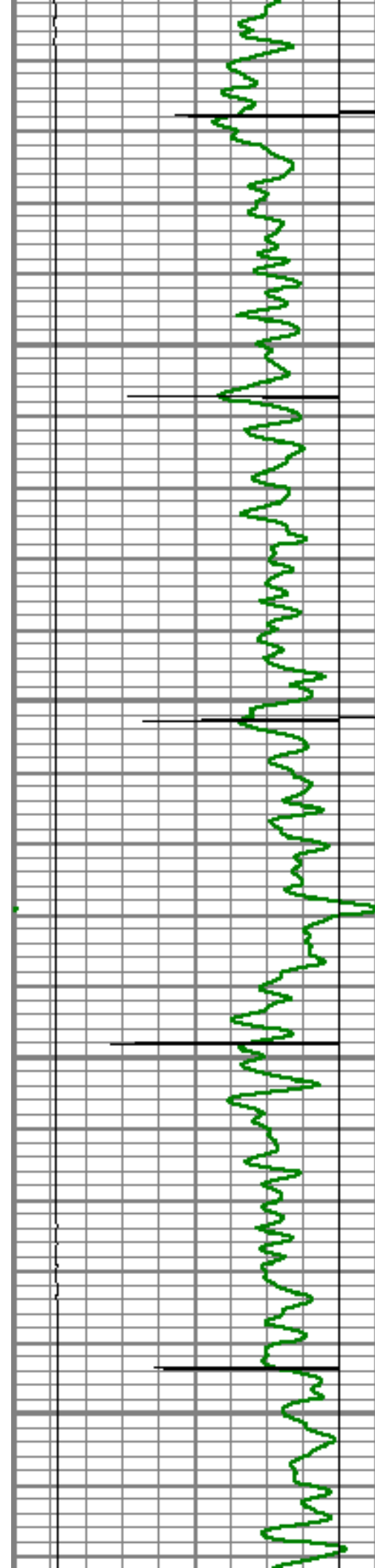
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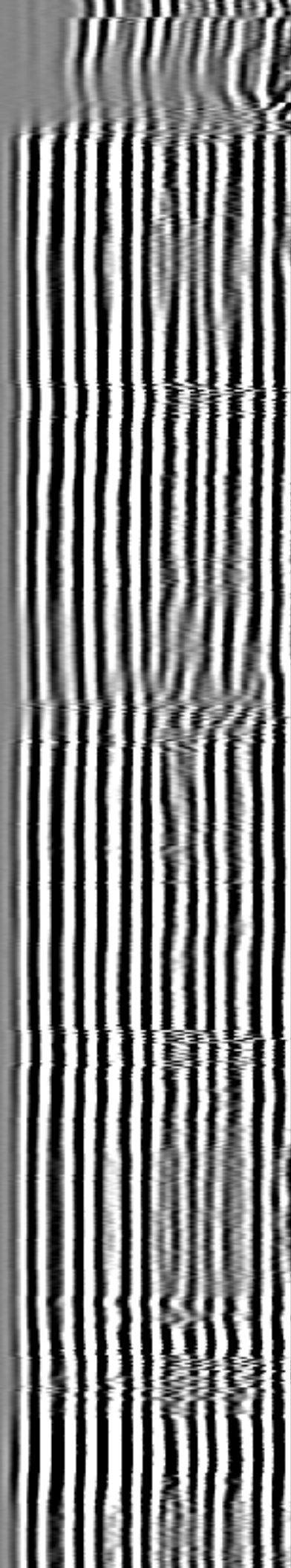
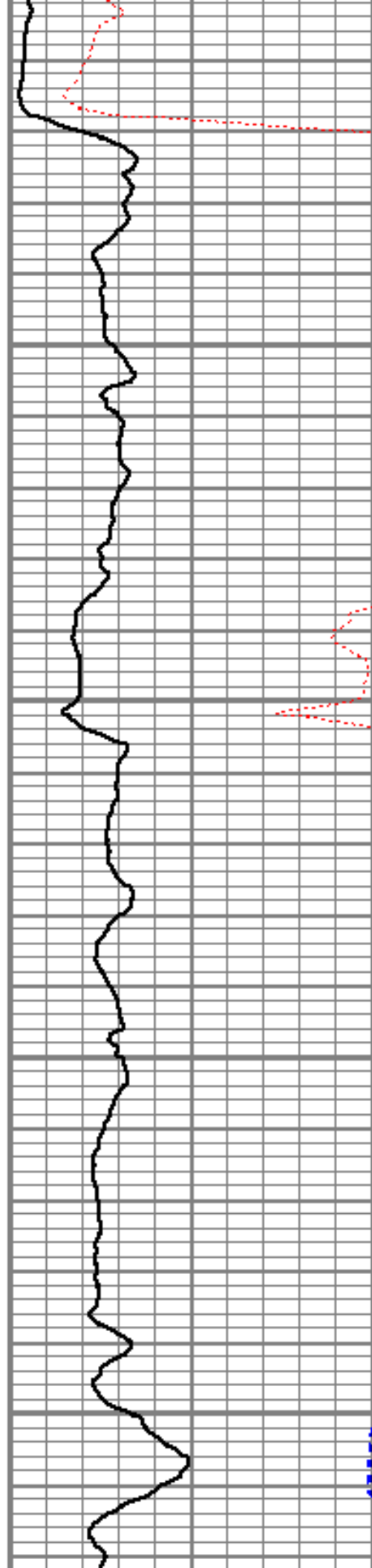


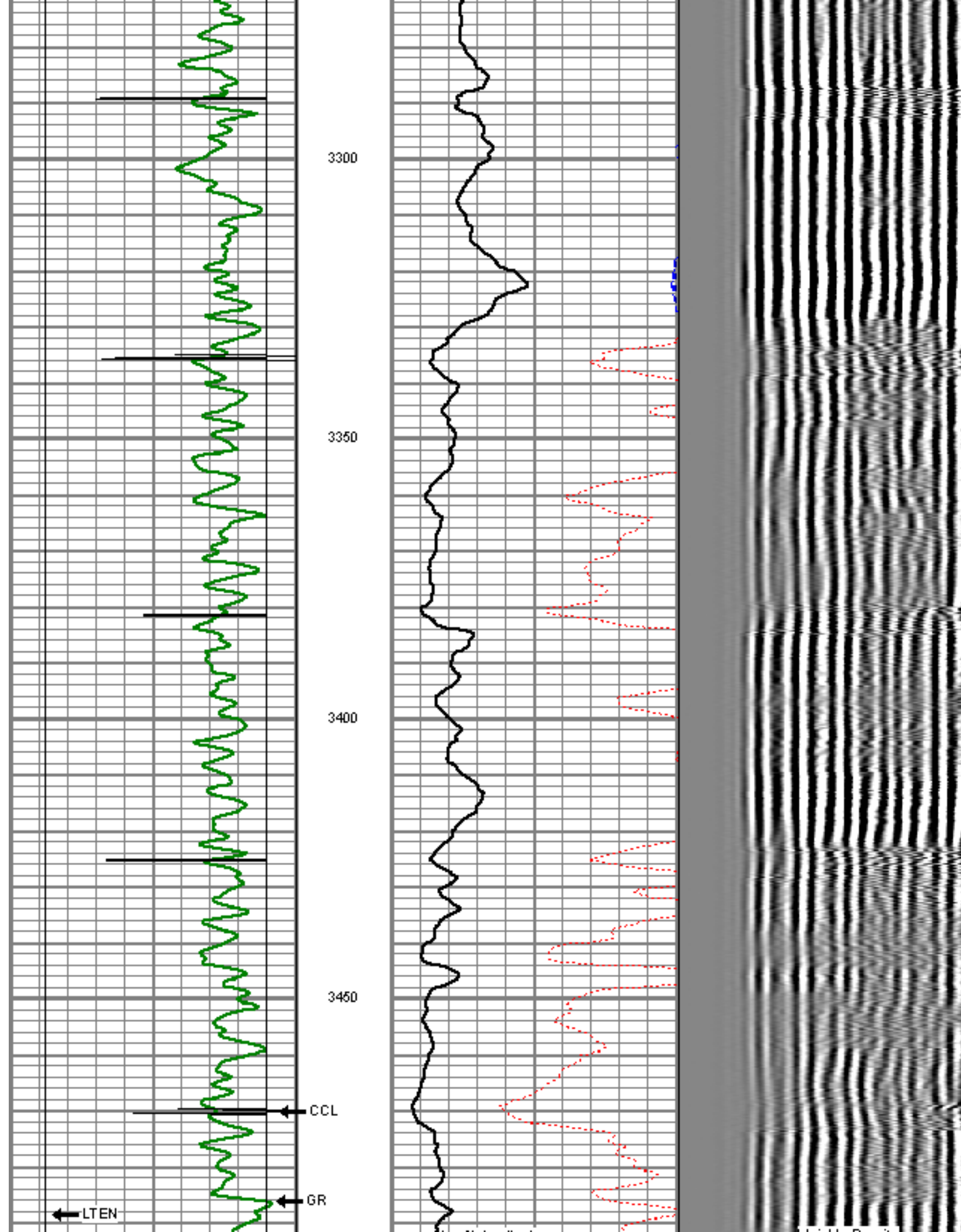
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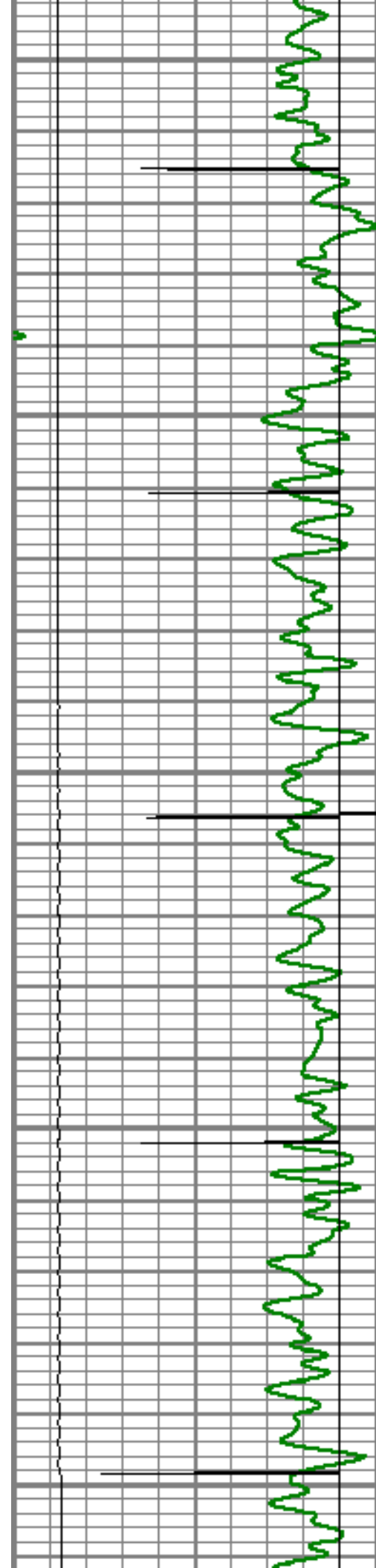
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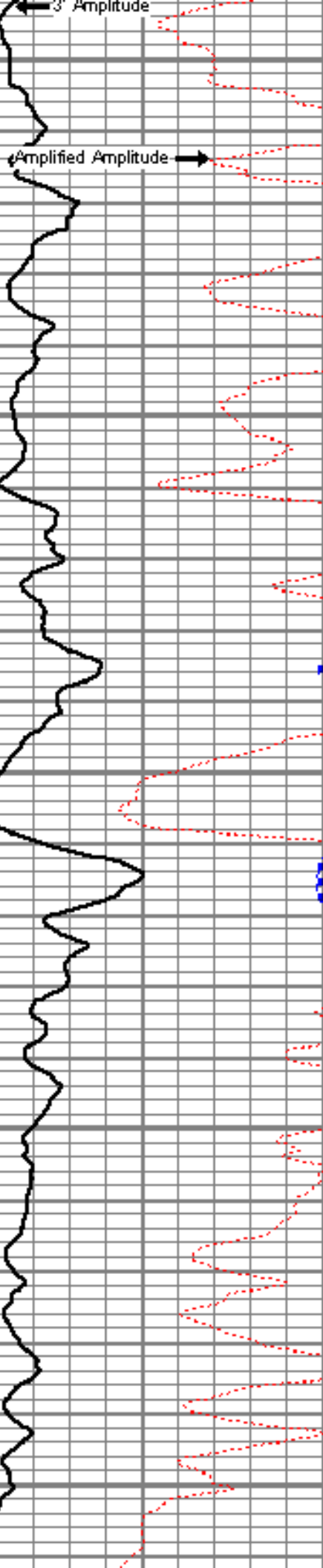
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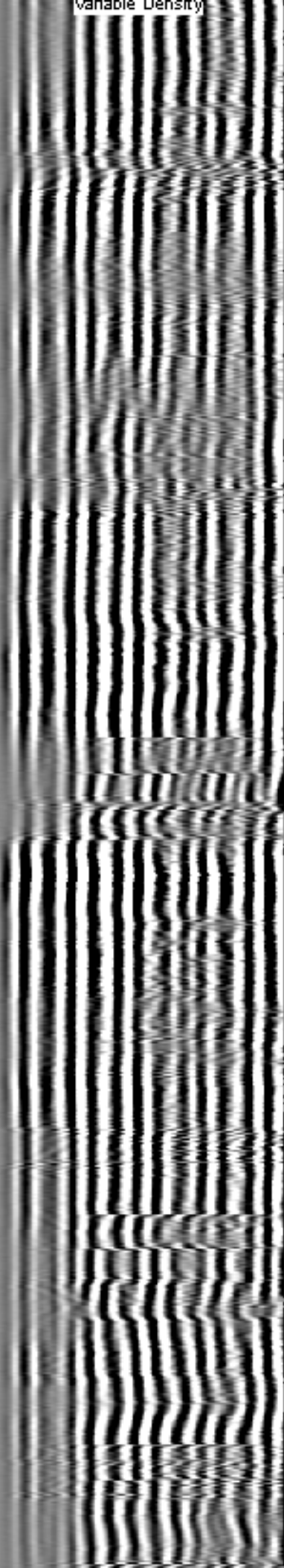
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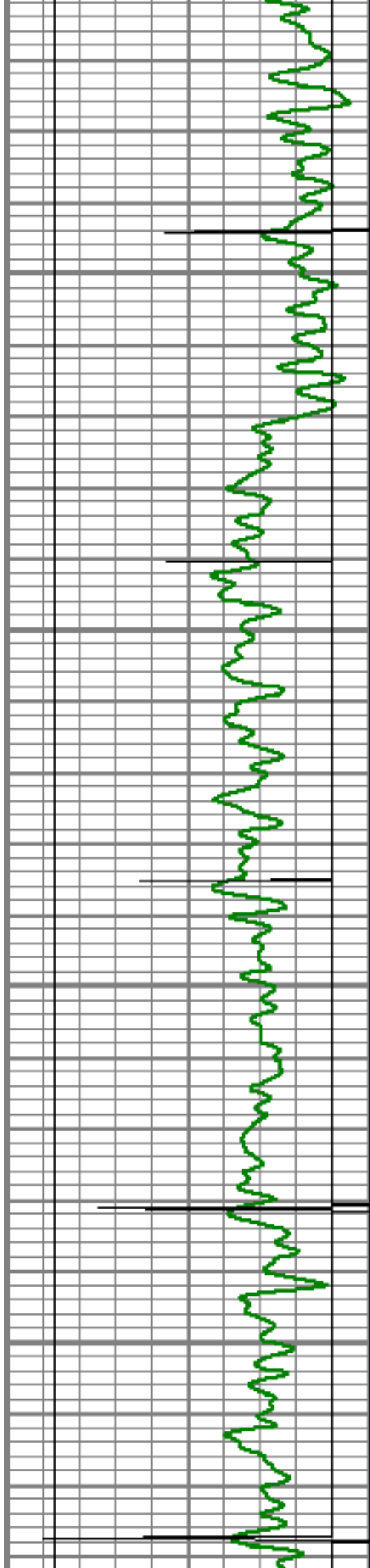


Amplified Amplitude

3' Amplitude

Variable Density



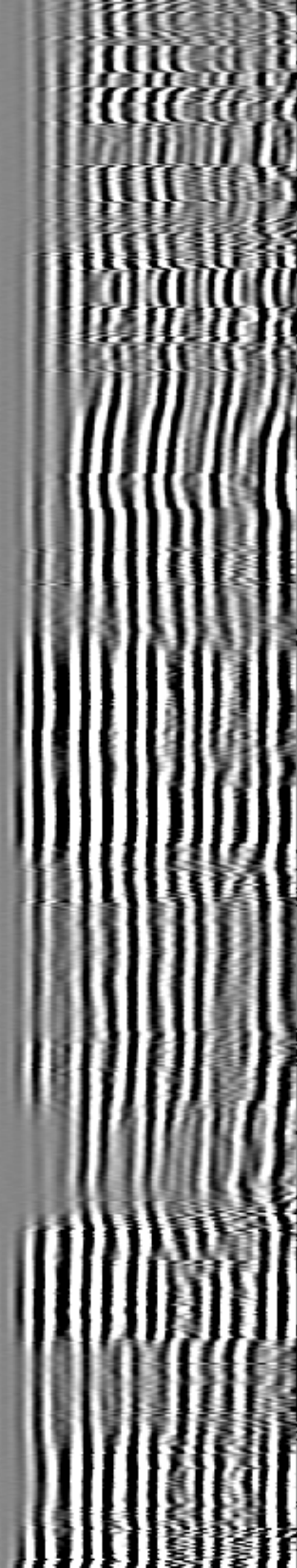
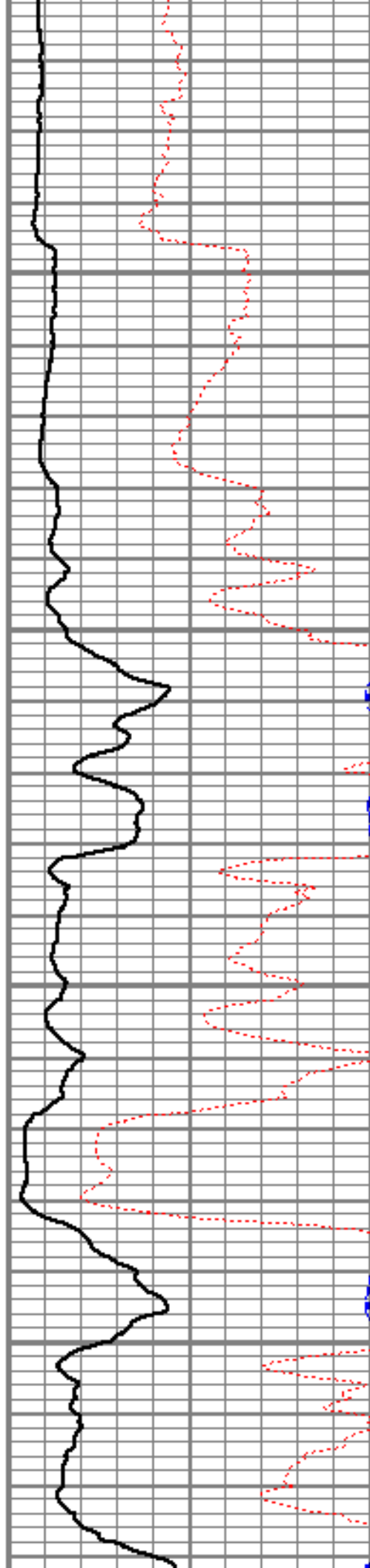


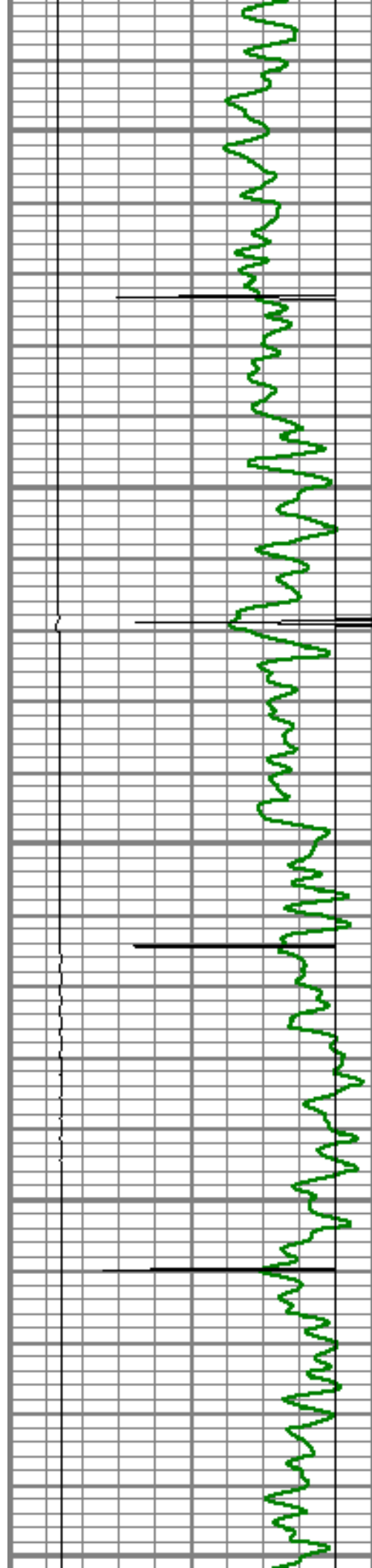
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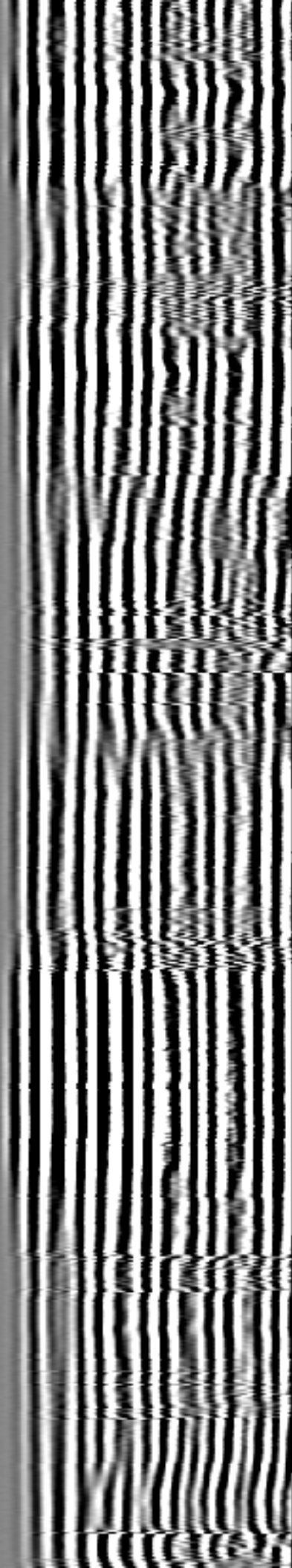
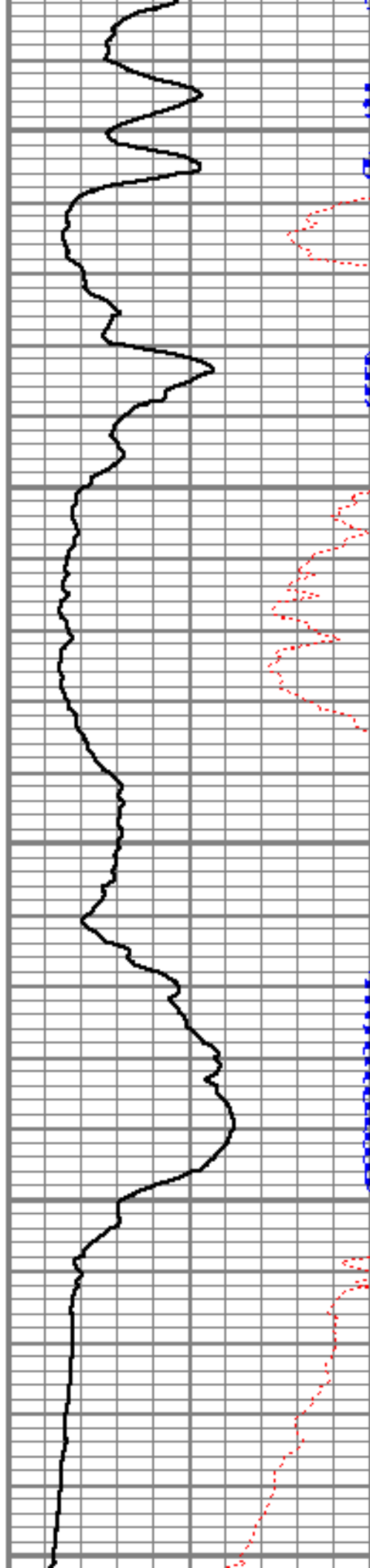
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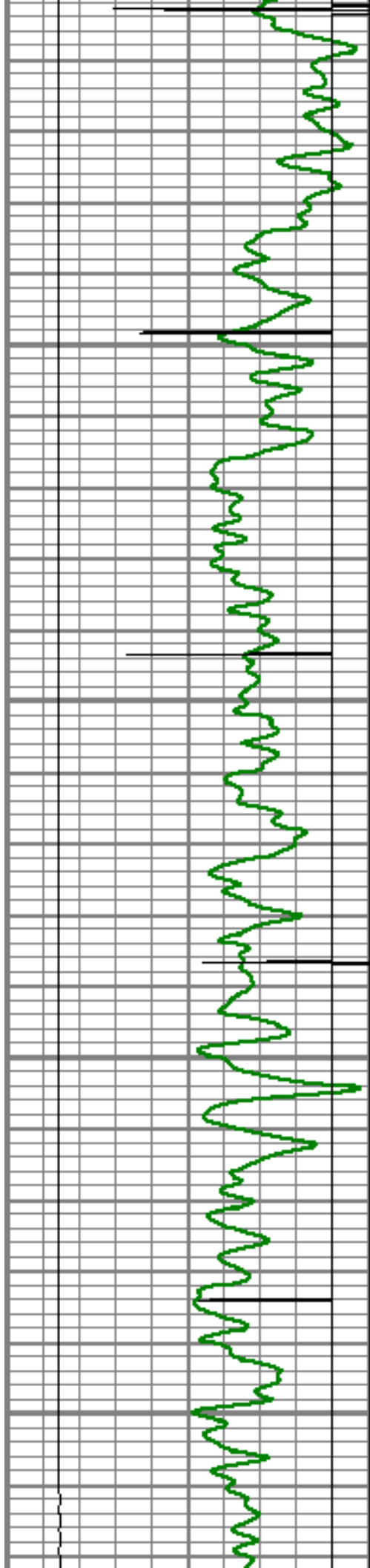
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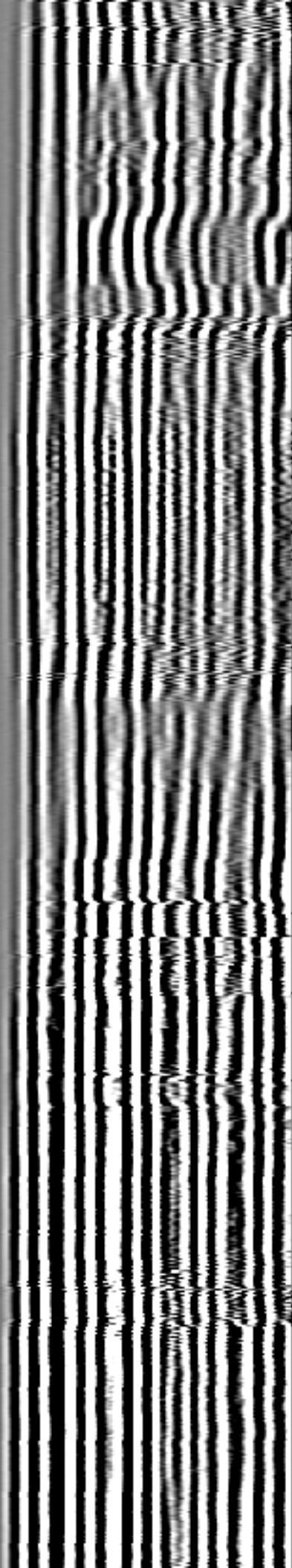
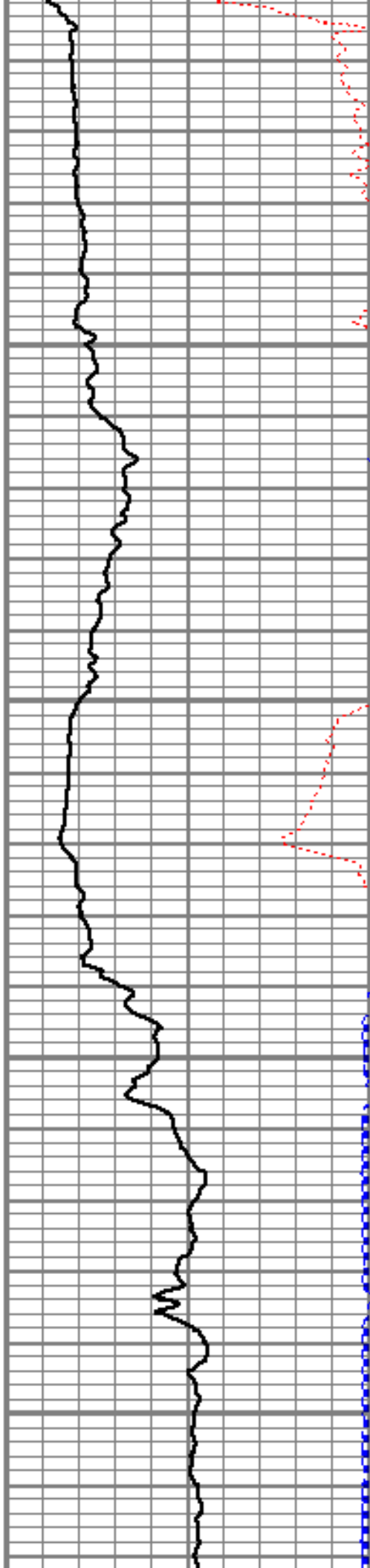


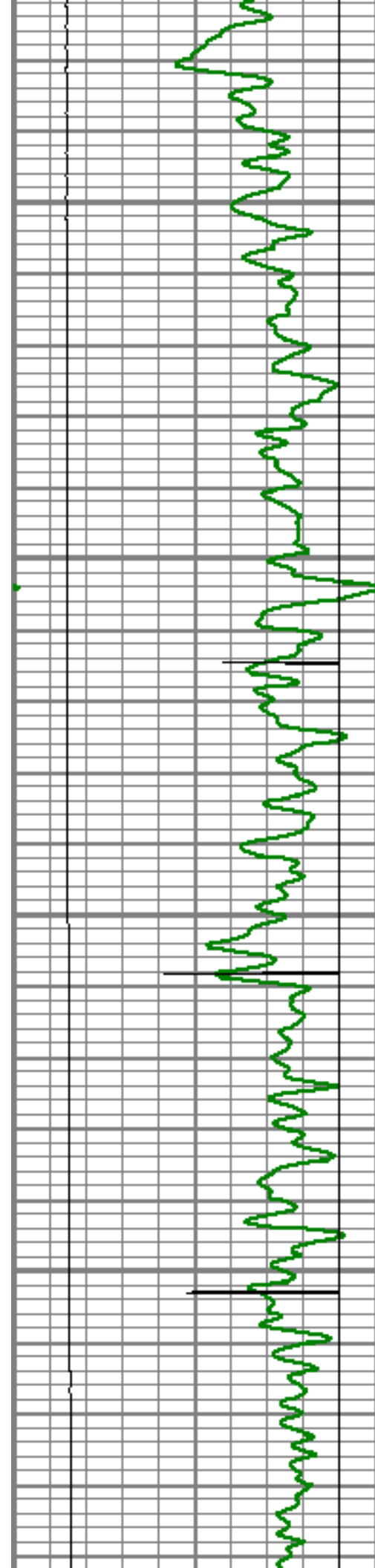
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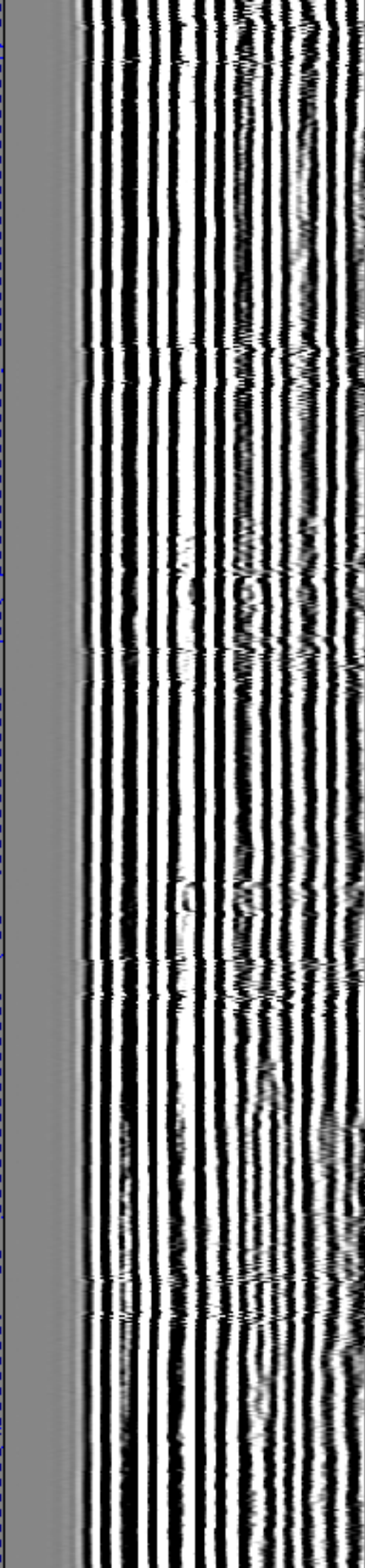
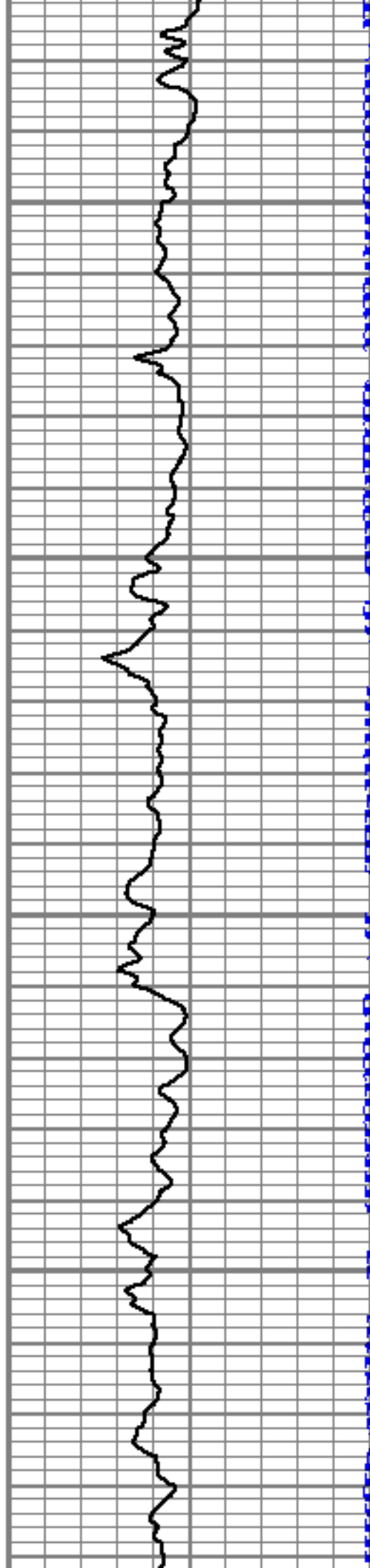


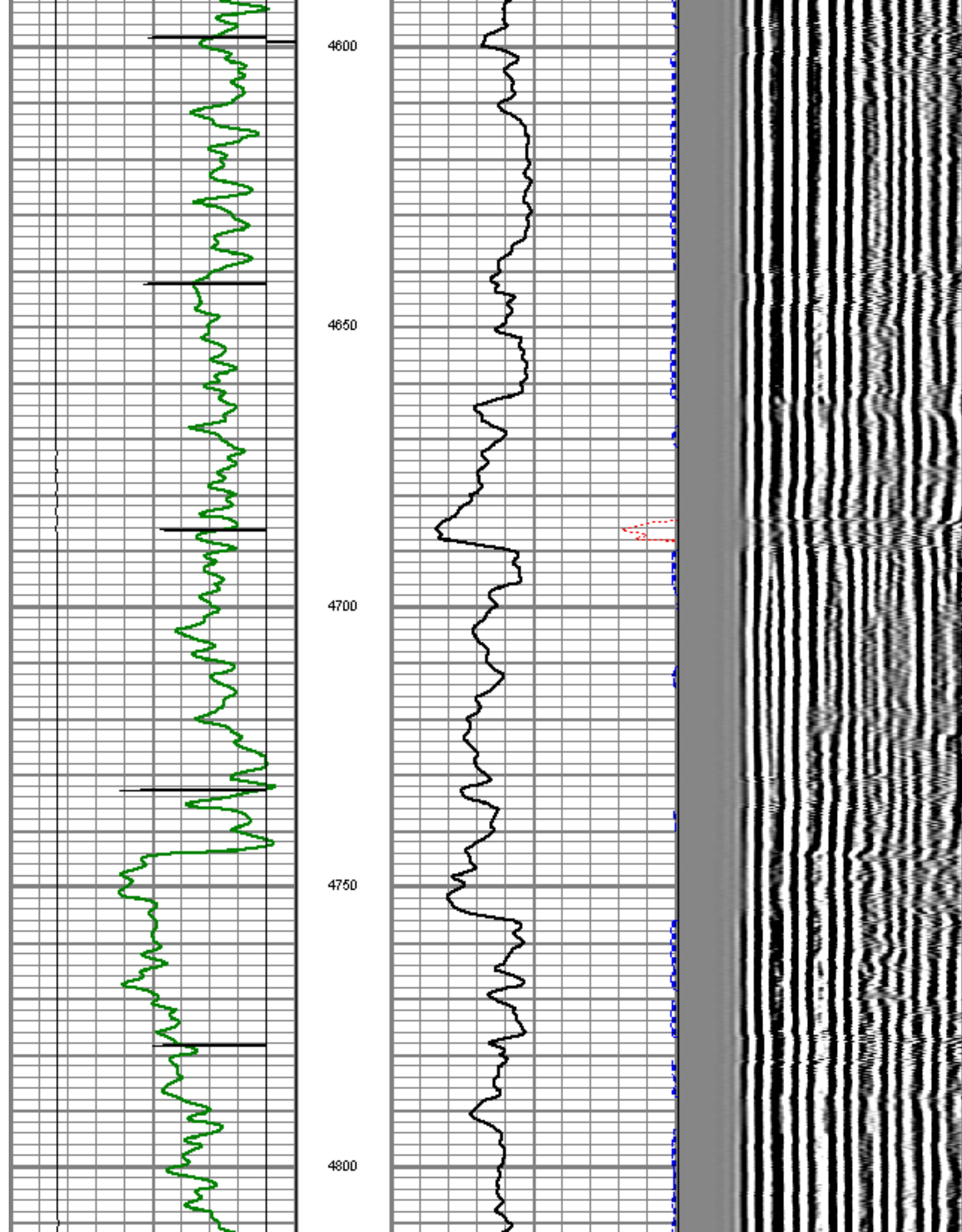
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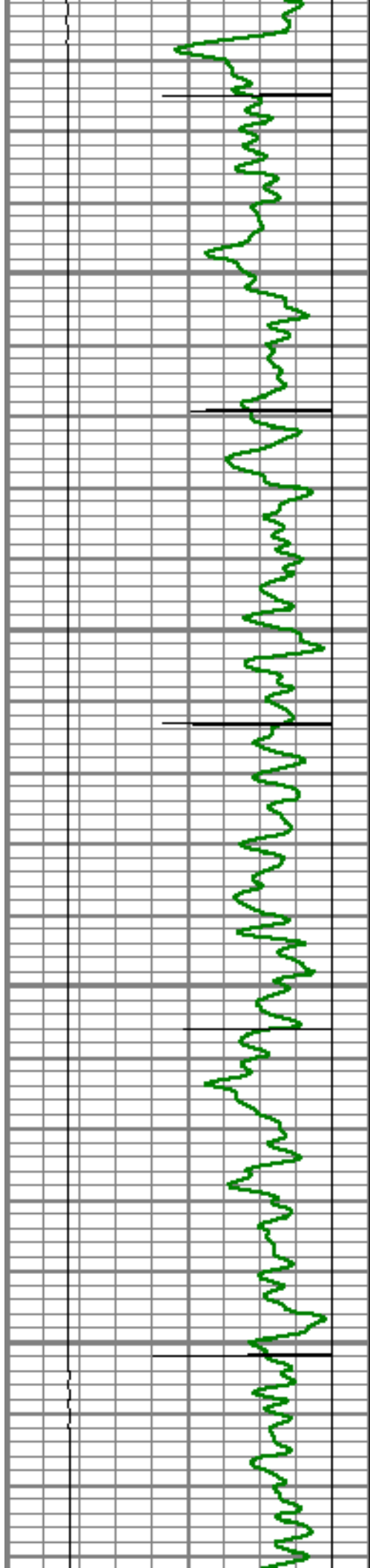
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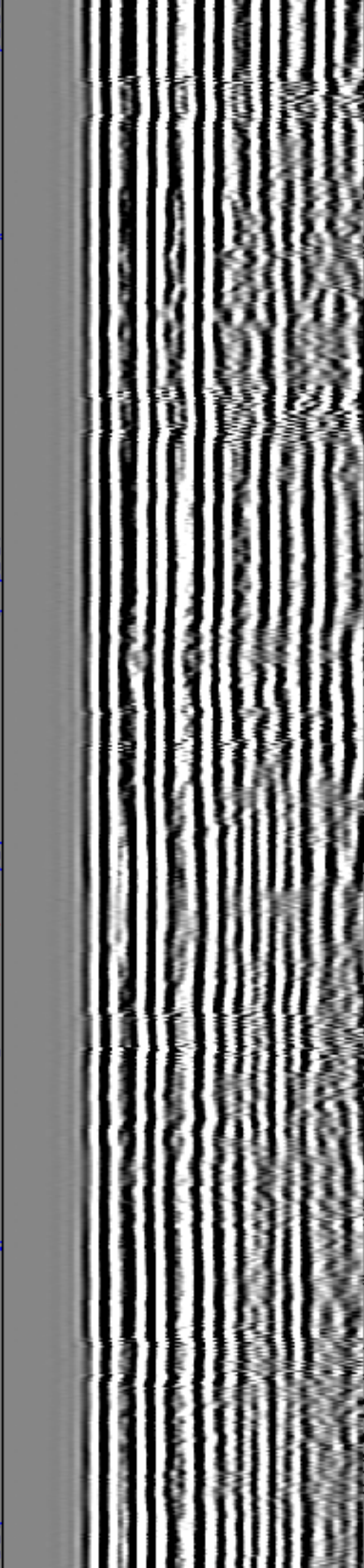
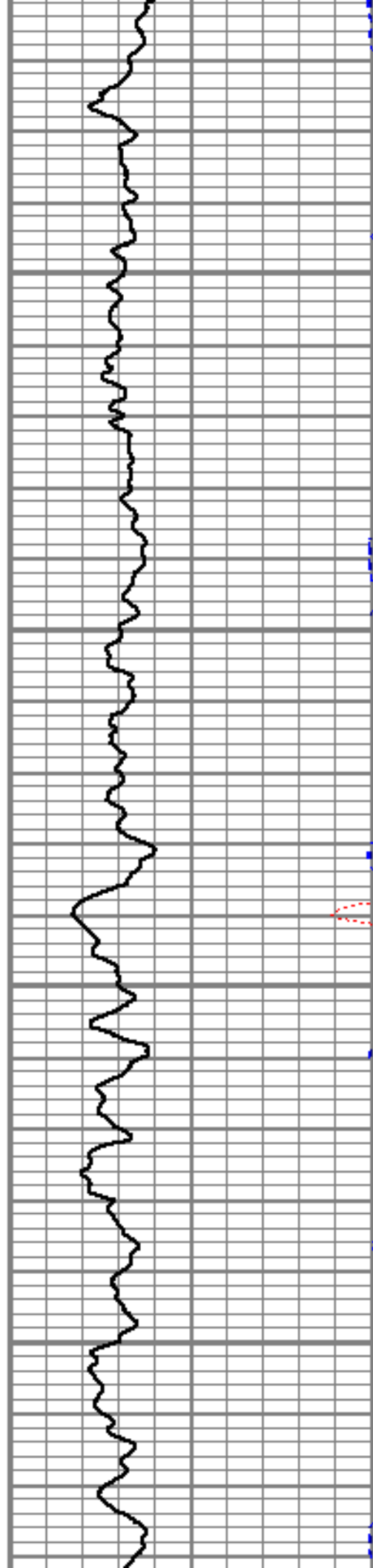


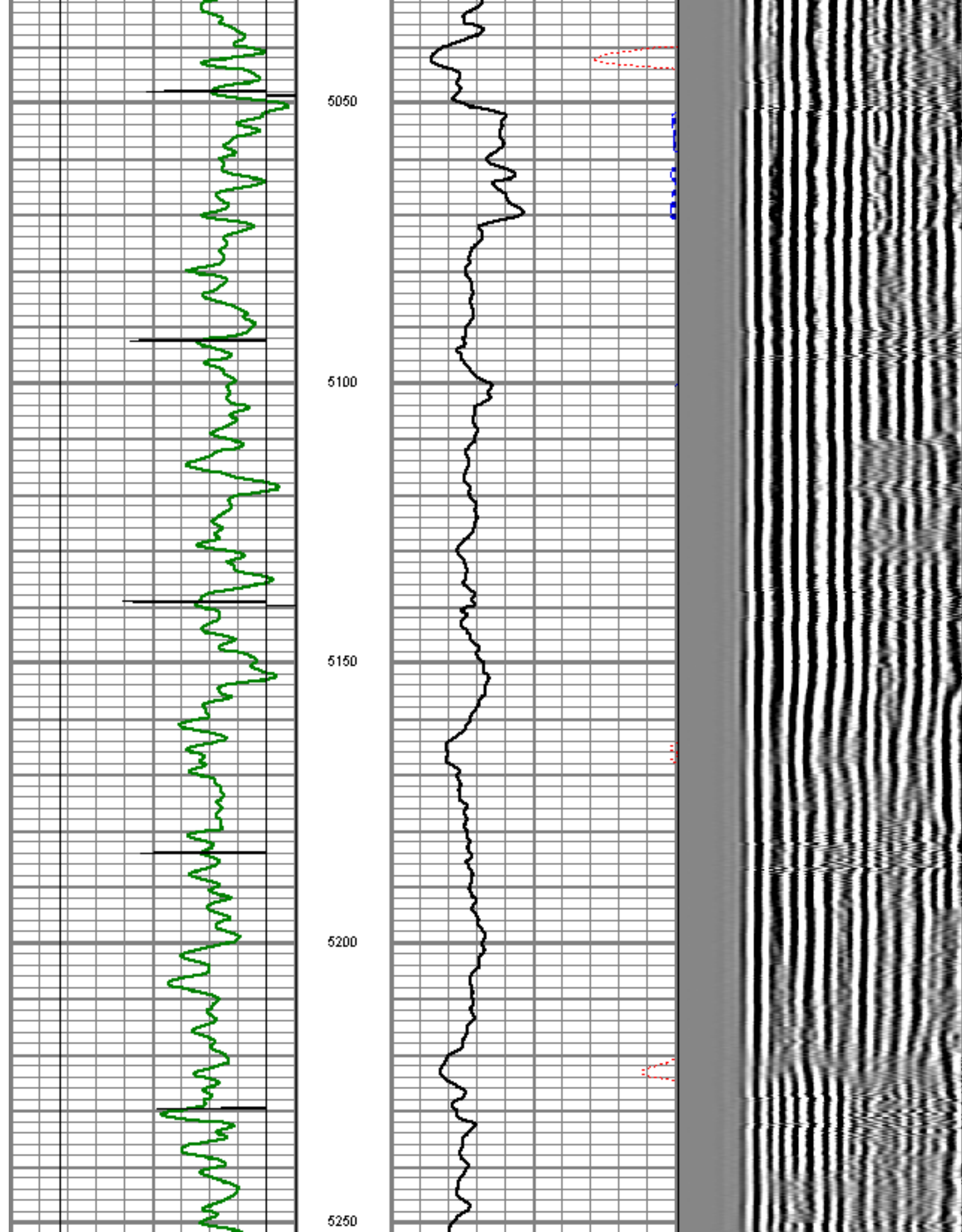
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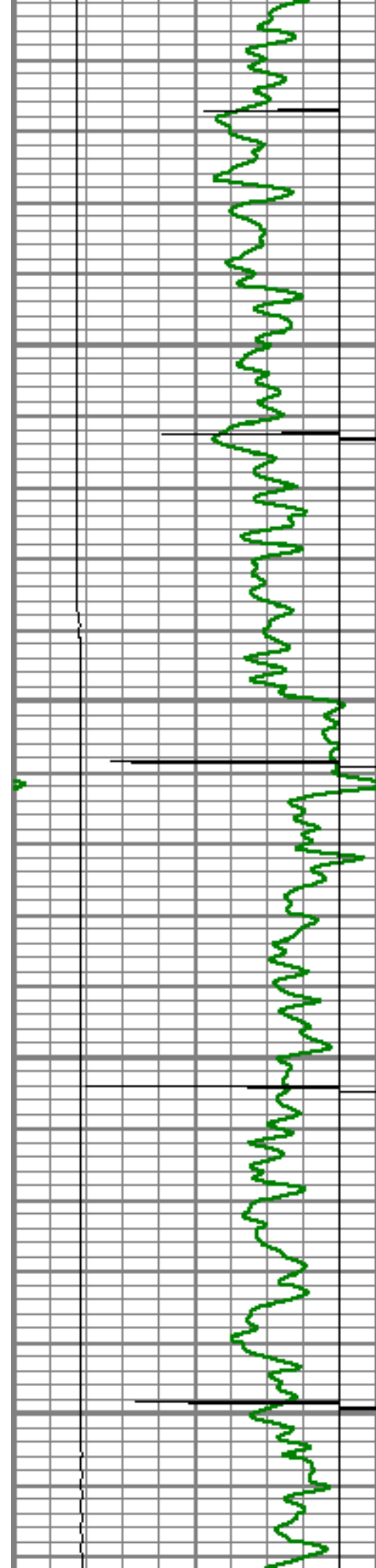
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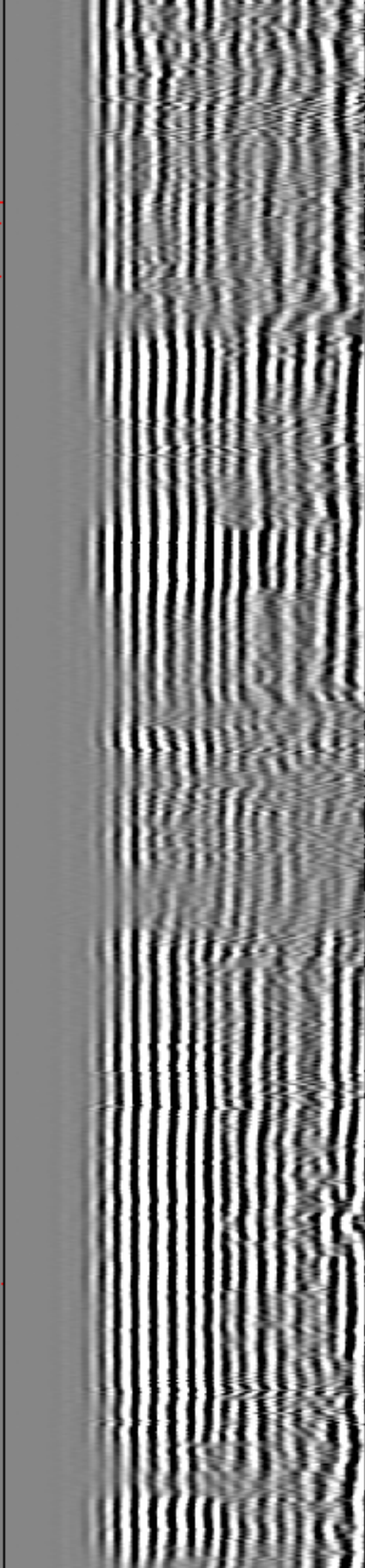
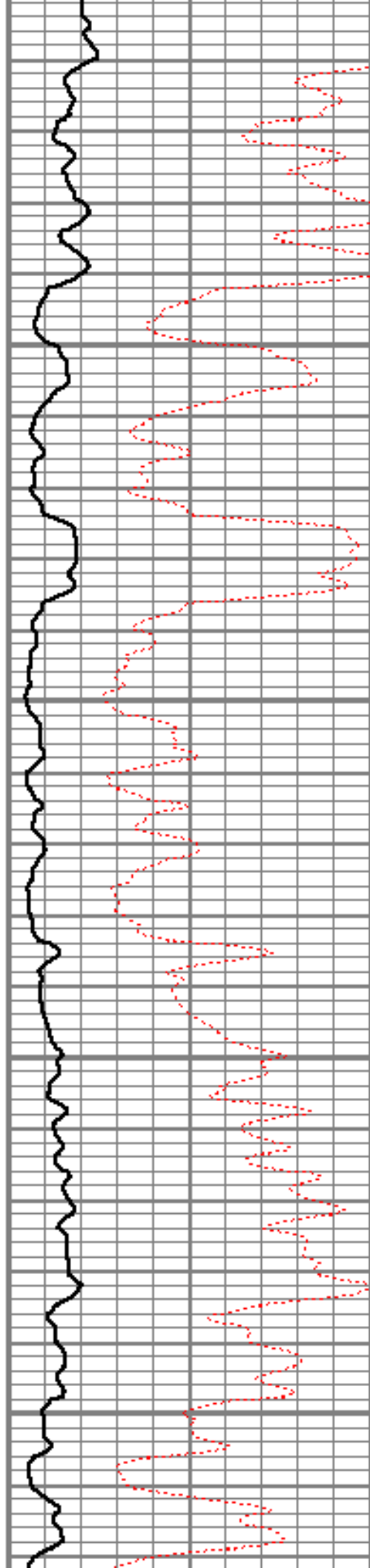


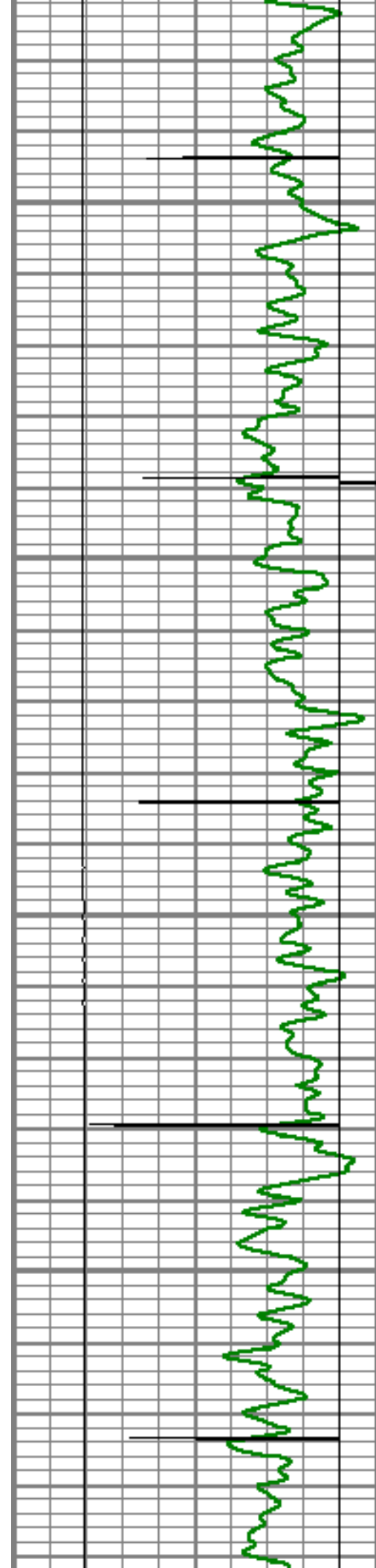
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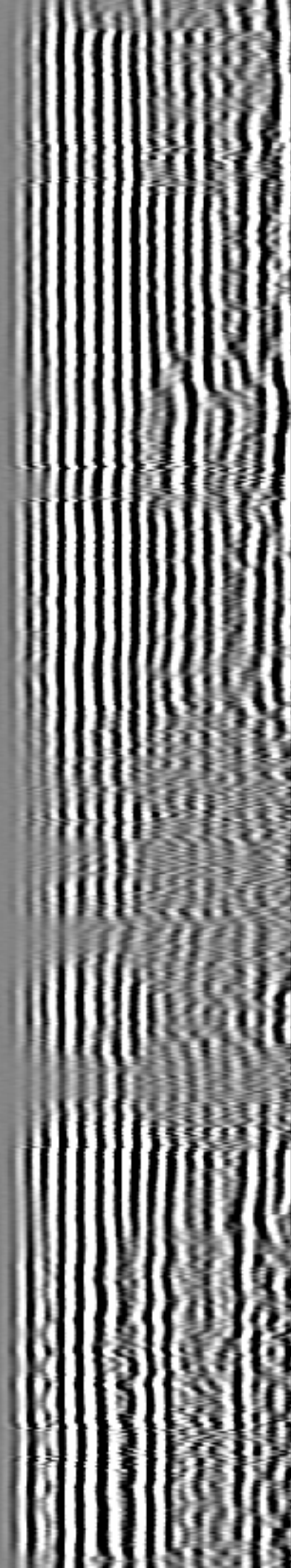
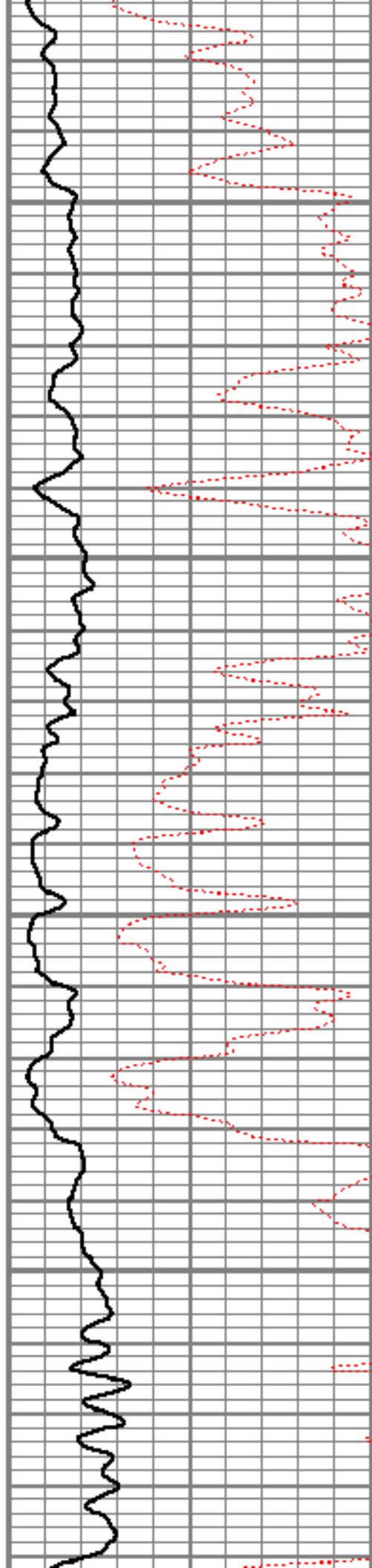


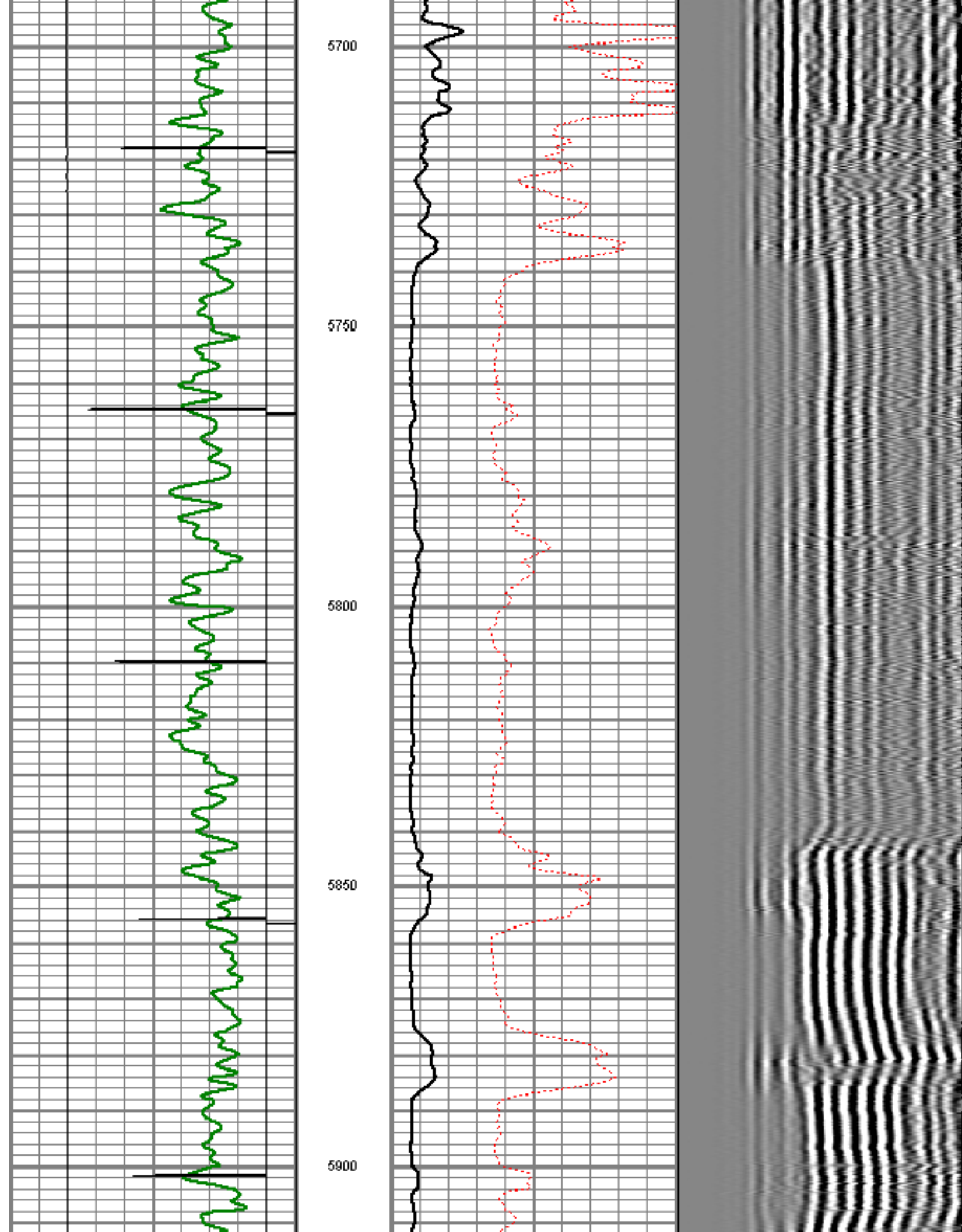
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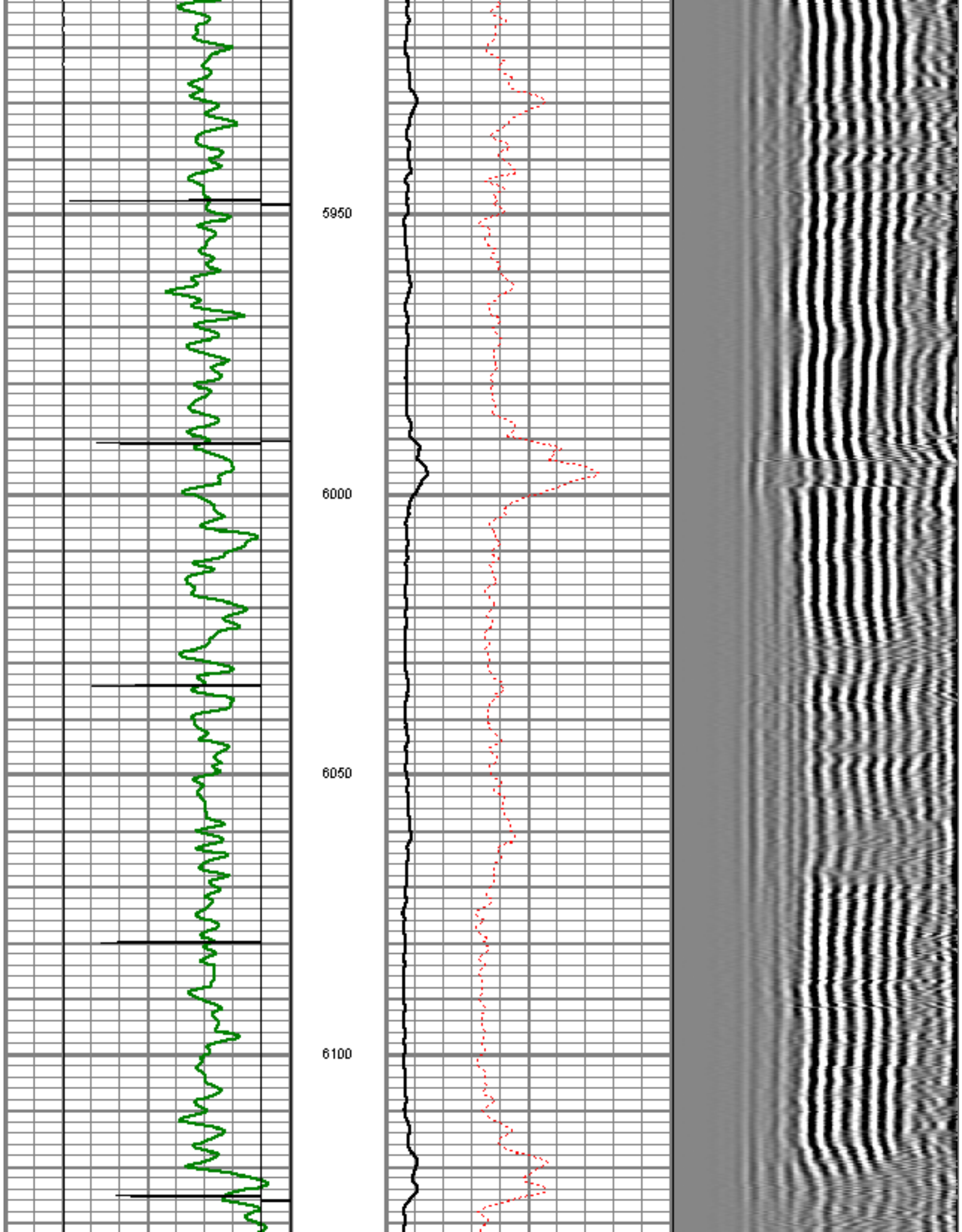
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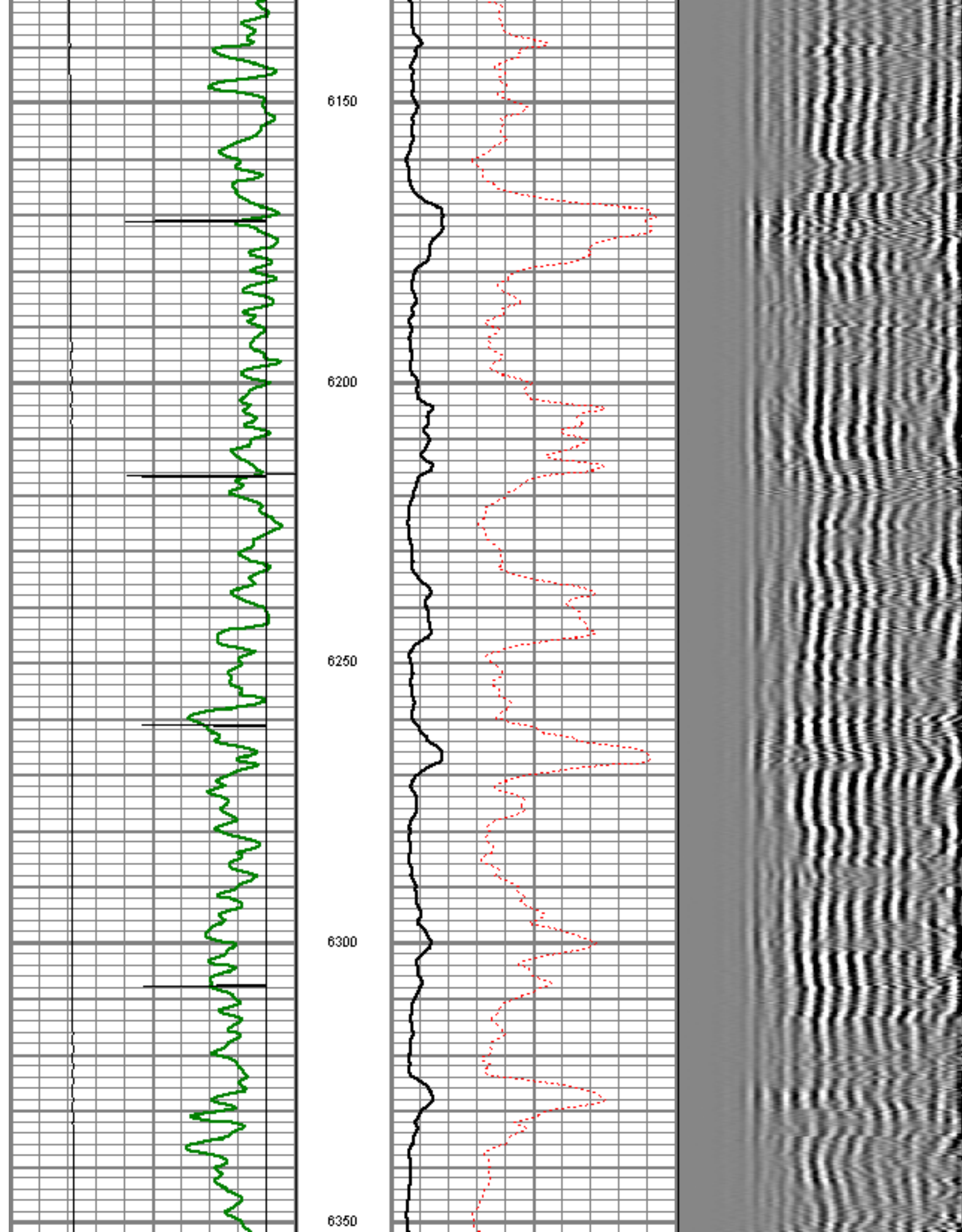
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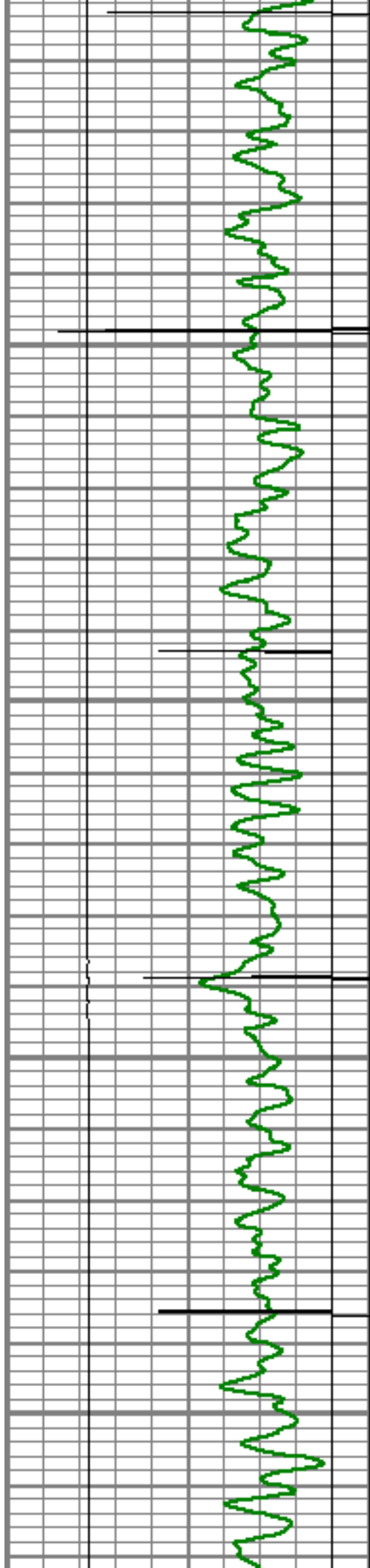
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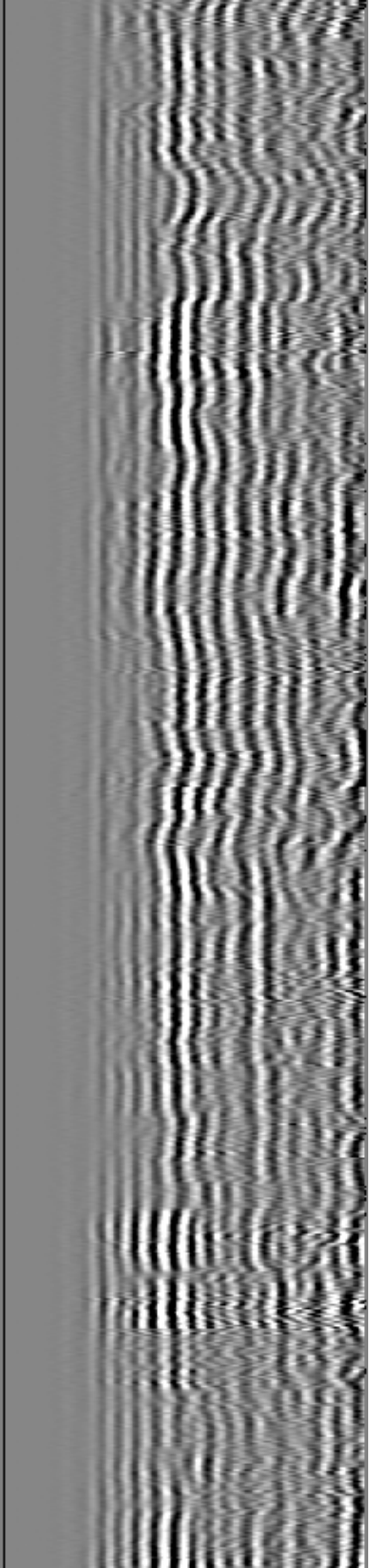
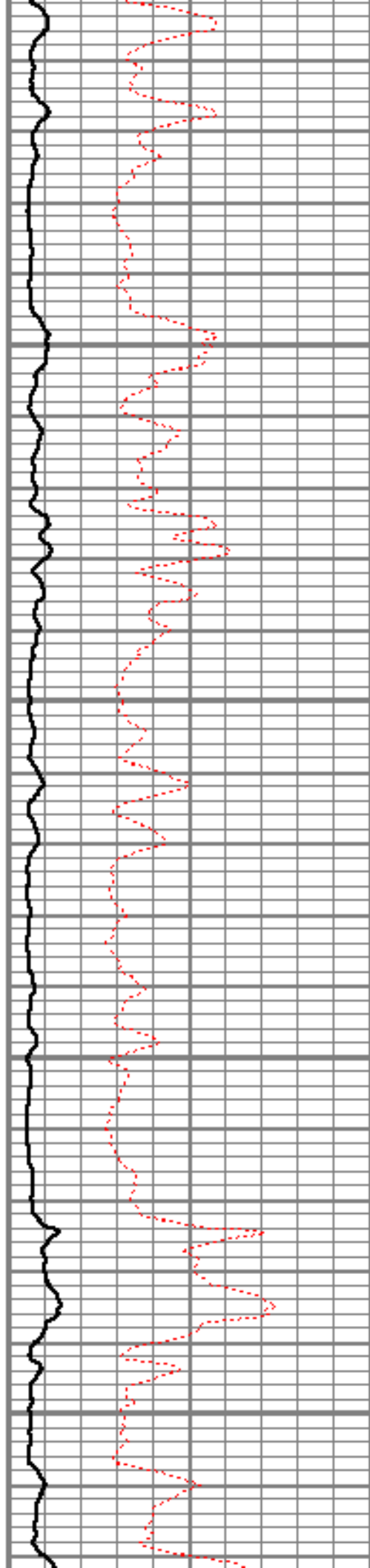


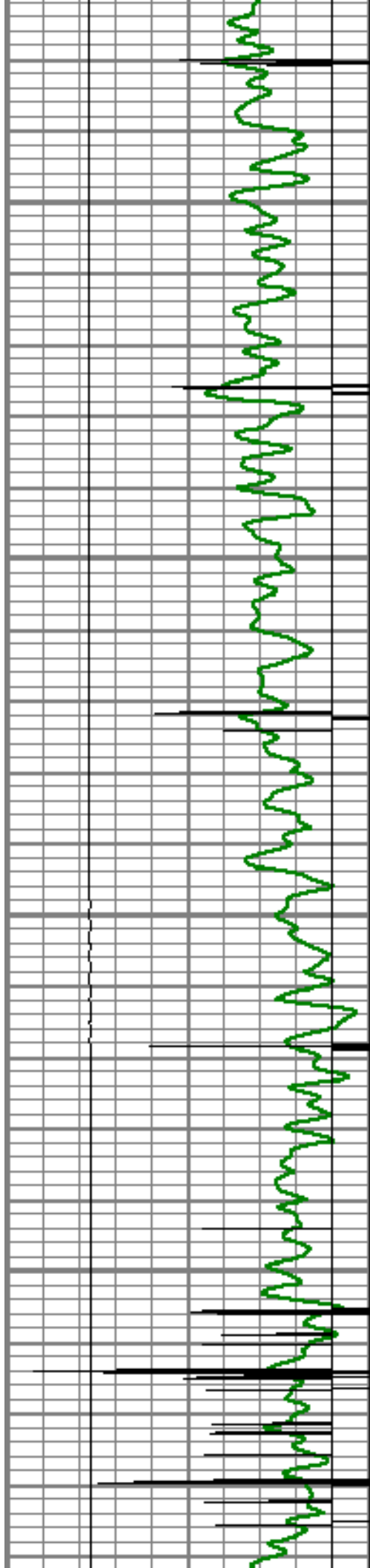
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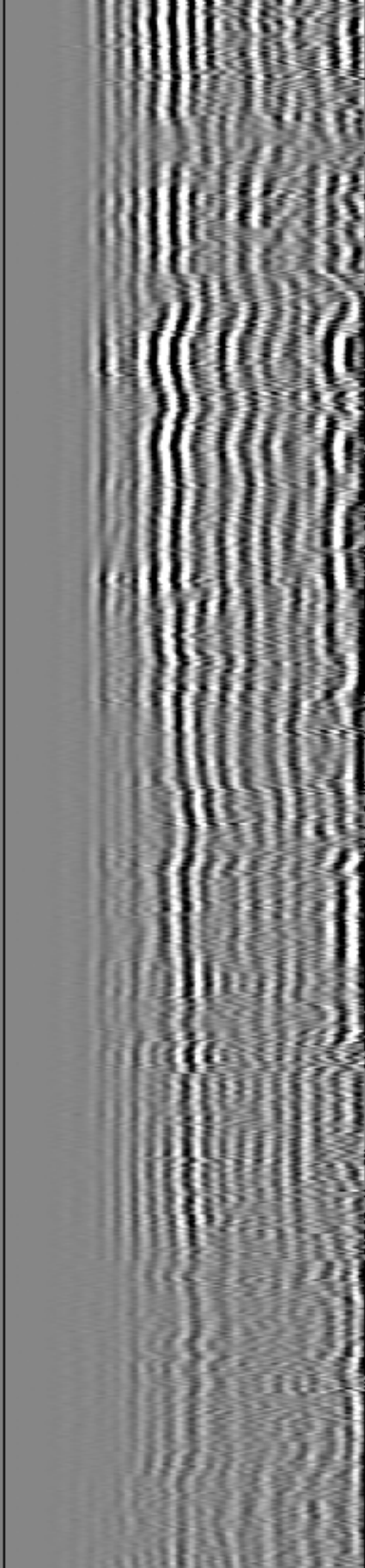
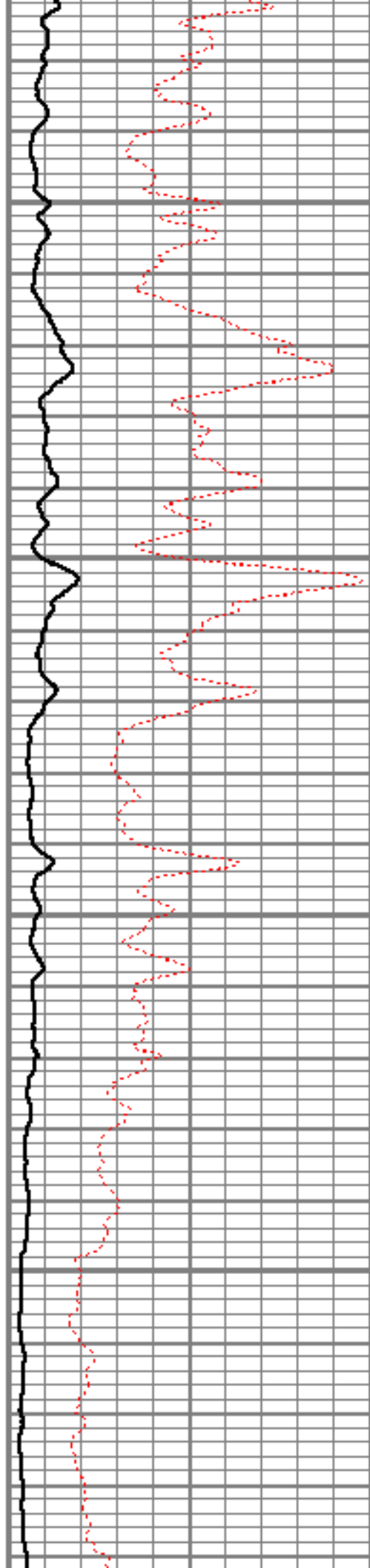


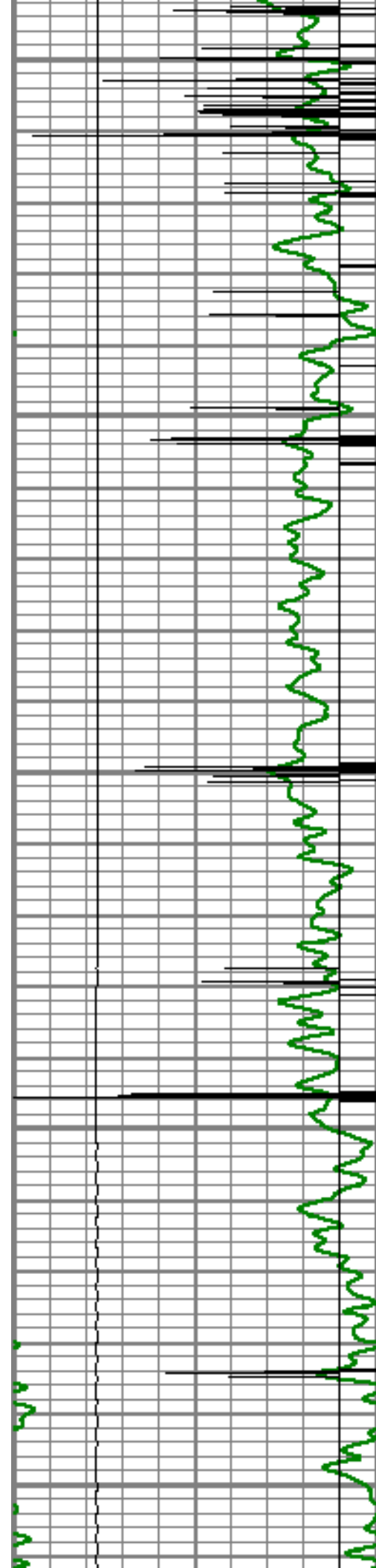
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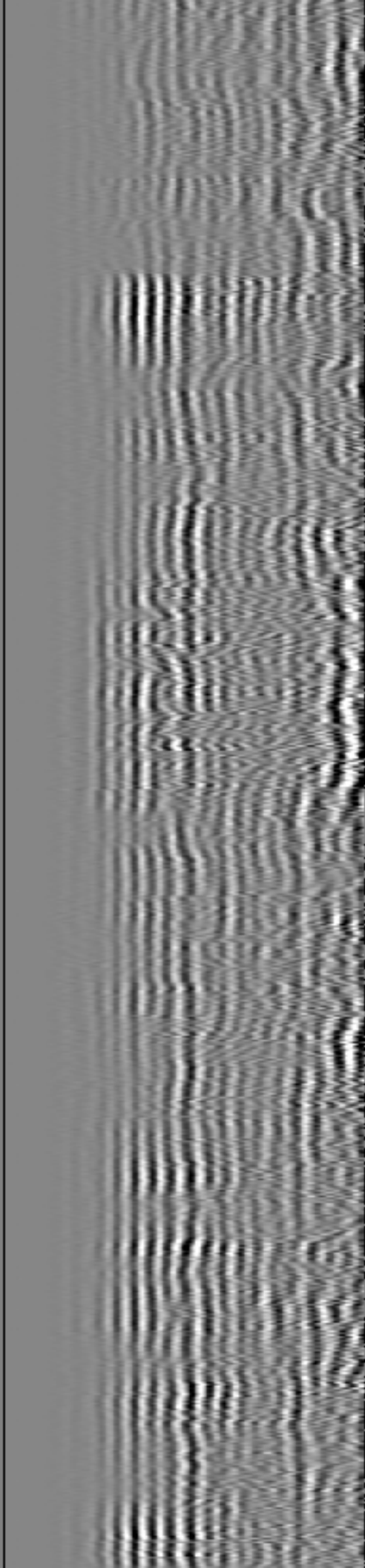
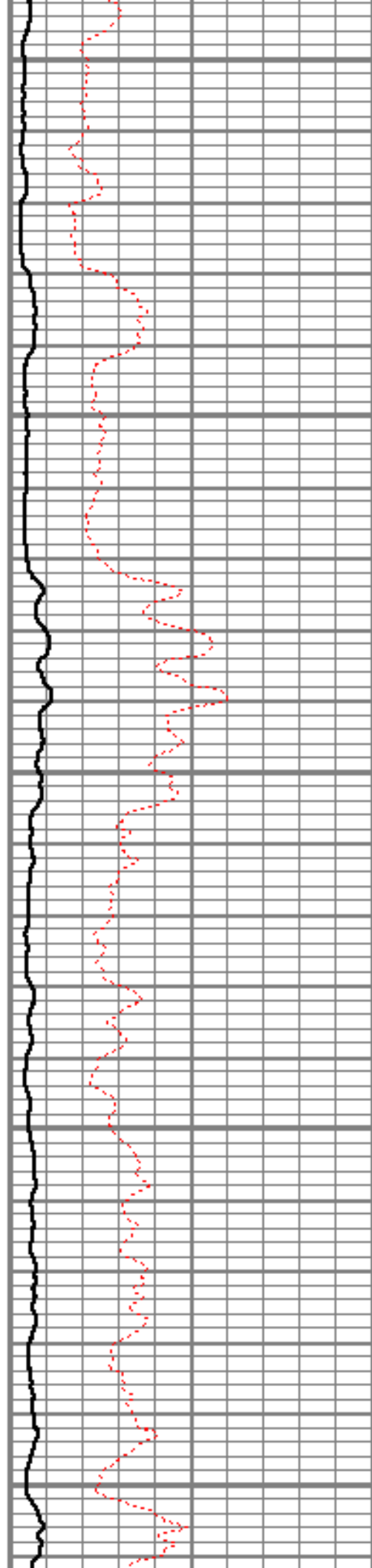
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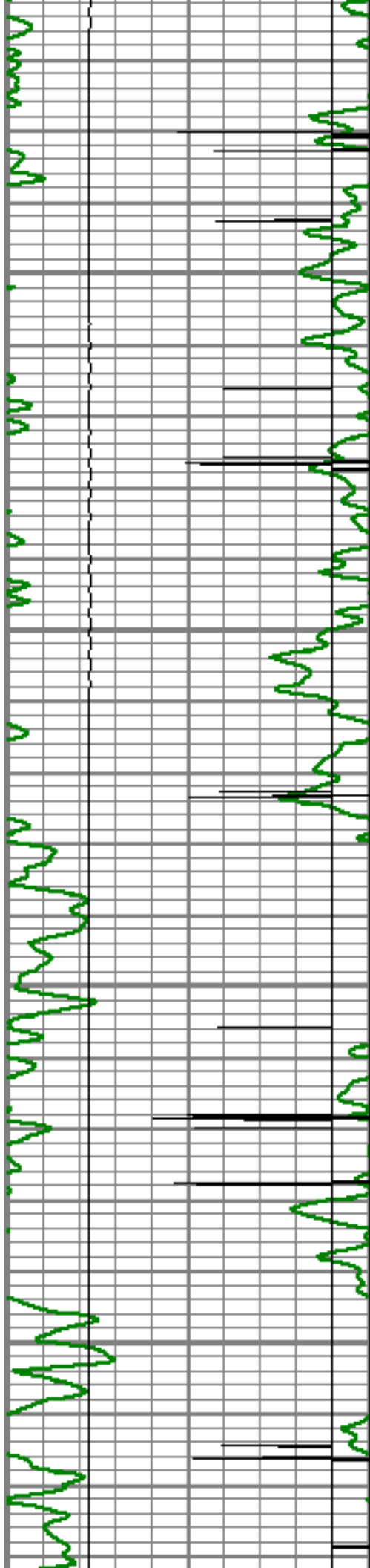
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6900

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7000



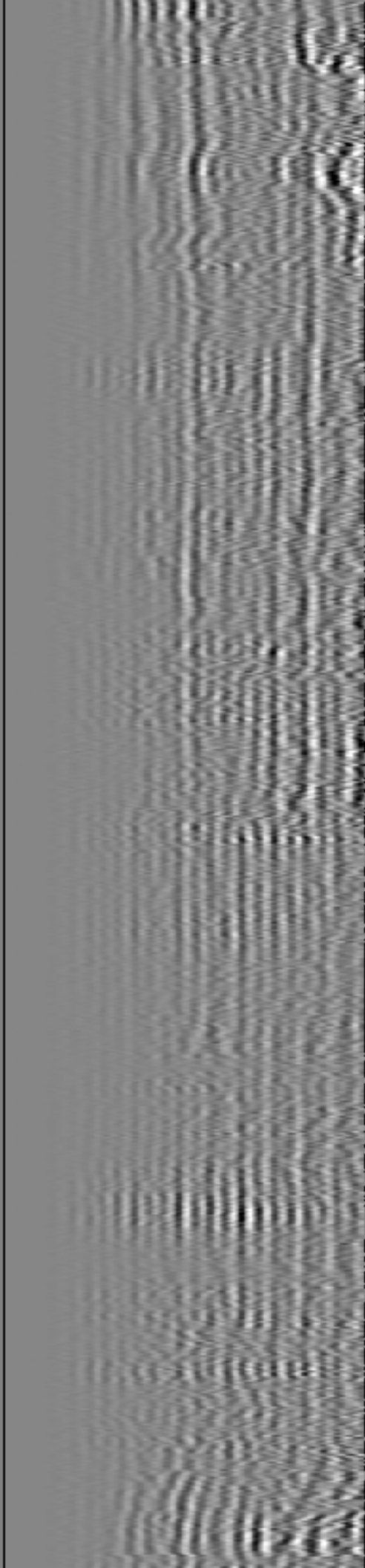
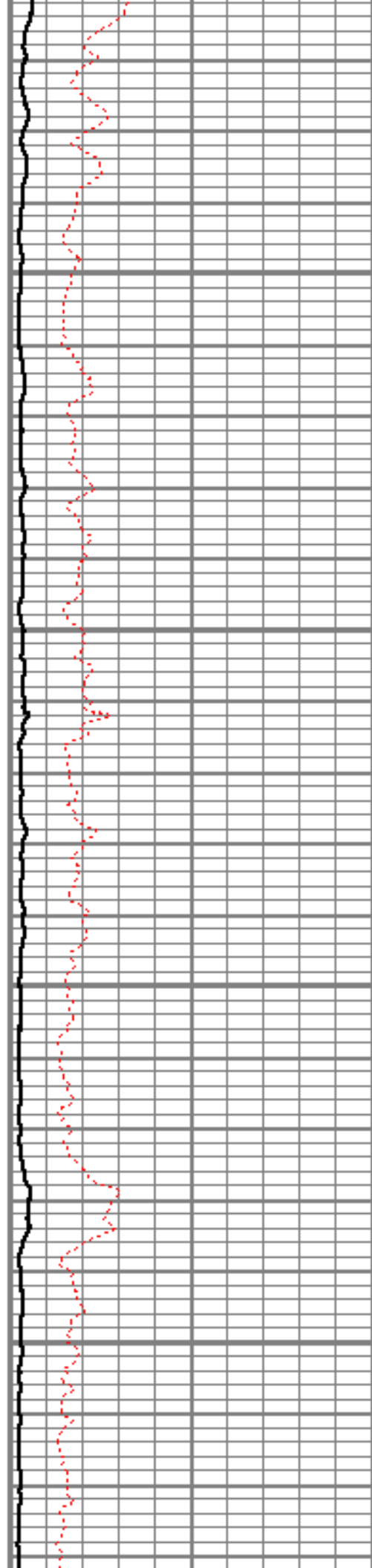


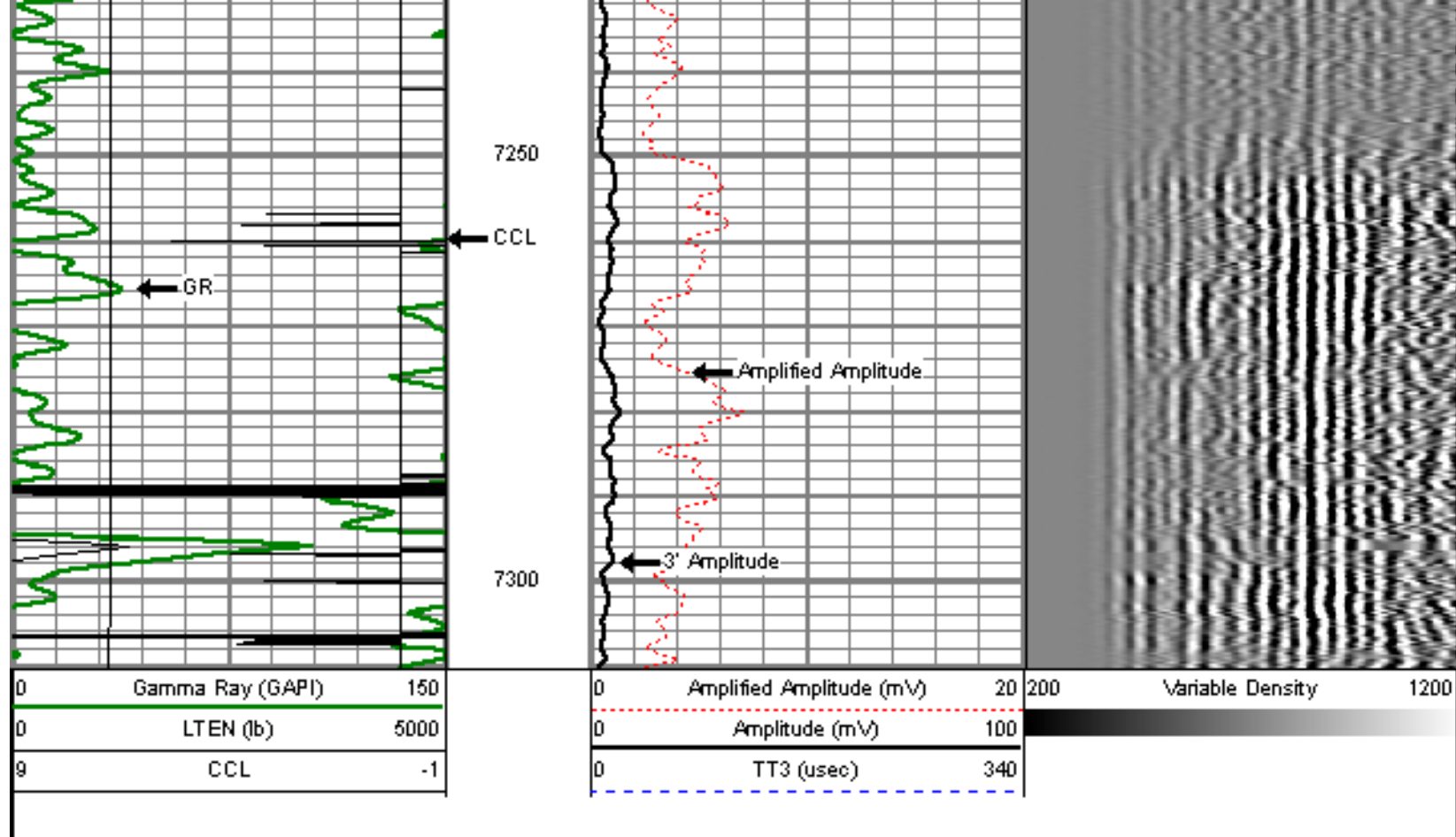
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7100

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Company	ENCANA OIL & GAS (USA) INC.
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County	WELD
State	COLORADO