



# CEMENT BOND LOG

Mesa Wireline

Company ENCANA OIL & GAS (USA) INC		Company ENCANA OIL & GAS (USA) INC	
Well PURITAN 4-6-34		Well PURITAN 4-6-34	
Field WATTENBERG		Field WATTENBERG	
County WELD		County WELD	
State COLORADO		State COLORADO	
Location: API #: 05-123-31747-0000		Other Services	
SHL: 2007' FSL & 2093' FEL		NONE	
SEC. 34 TWP. 2N RGE. 68W		Elevation	
Permanent Datum GROUND LEVEL Elevation 5002'		K.B. 5015'	
Log Measured From KELLY BUSHING = 13'		D.F. 5014'	
Drilling Measured From KELLY BUSHING		G.L. 5002'	

Date	29 AUGUST 2011									
Run Number	ONE									
Depth Driller	8405'									
Depth Logger	8357'									
Bottom Logged Interval	8357'									
Top Log Interval	3300'									
Open Hole Size	4.5"									
Type Fluid	WATER									
Density / Viscosity	~8.3#									
Max. Recorded Temp.	260 DEG F									
Estimated Cement Top	3615'									
Time Well Ready	N/A									
Time Logger on Bottom	N/A									
Equipment Number	10901 PRD 02									
Location	AULT, CO									
Recorded By	Z. EMICK									
Witnessed By	G. CUMMINGS									
Borehole Record										
Run Number	Bit	From	To	Size	Tubing Record					
ONE	12.25"	0'	870'							
TWO	7.875"	0'	8405'							
Casing Record	Size	Wgt/Ft			Top			Bottom		
Surface String	8.625"	24#			0'			853'		
Prot. String										
Production String	4.5"	11.6#			0'			8405'		
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 SCHLUMBERGER TRIPLE COMBO LOG DATED 18 AUGUST 2011  
SHORT JOINT 7398' - 7420'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-0458



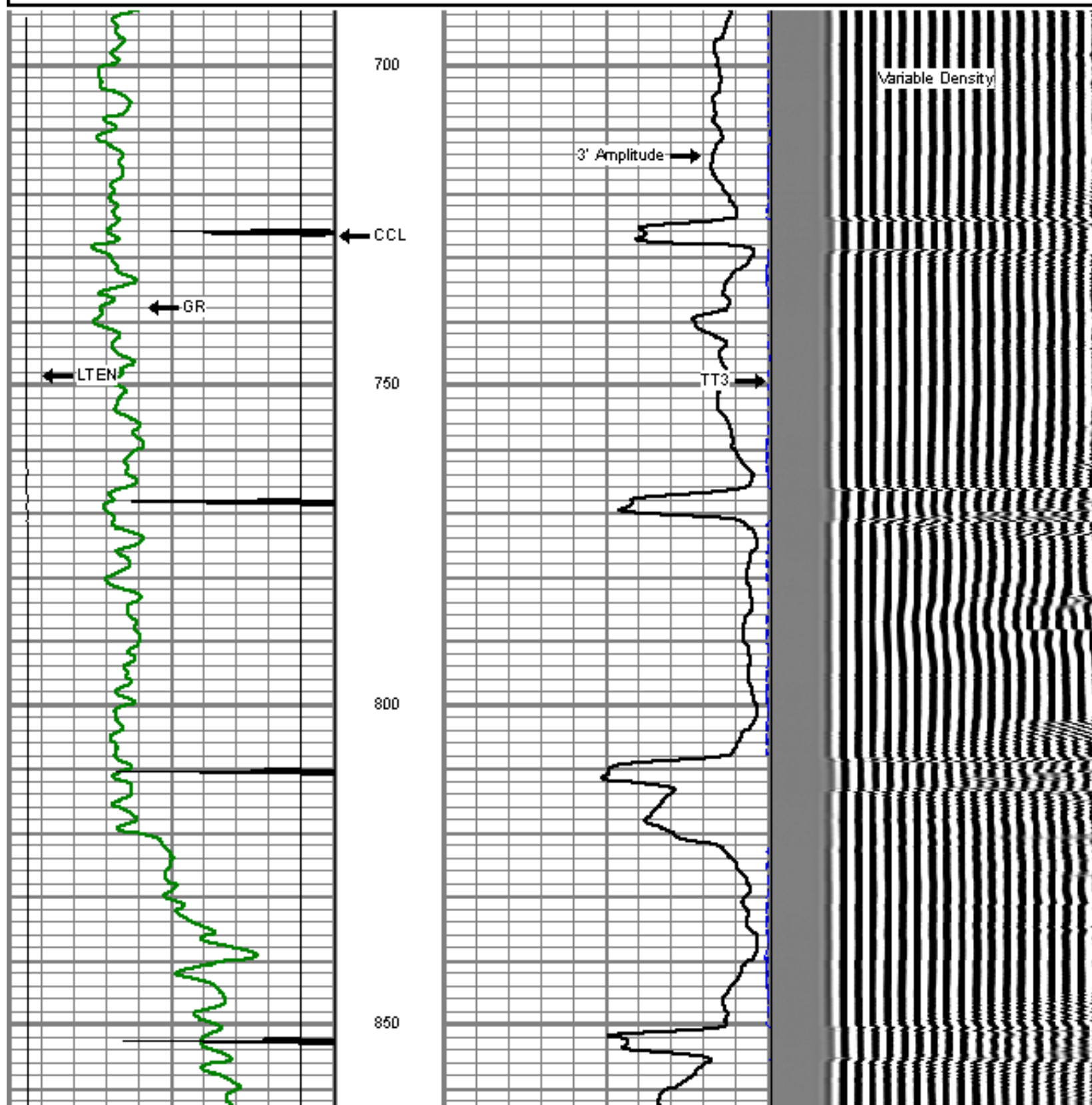
TOP PASS

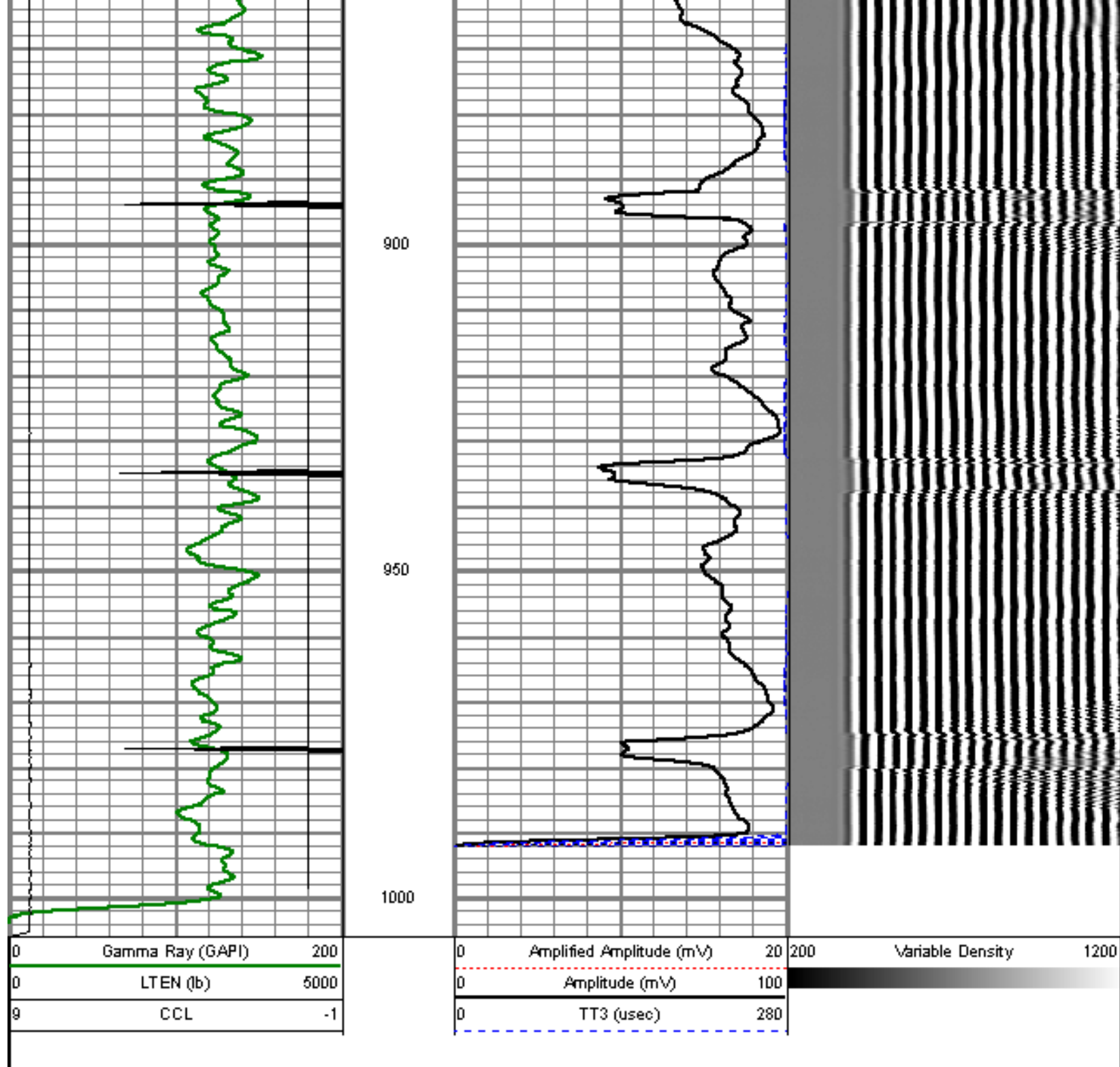
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Presentation Format: dcbl\_prb  
Dataset Creation: Mon Aug 29 12:14:22 2011 by Log Std Casedhole 09061  
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200
0	LTEN (lb)	5000
9	CCL	-1

0	Amplified Amplitude (mV)	20
0	Amplitude (mV)	100
0	TT3 (usec)	280

200 Variable Density 1200

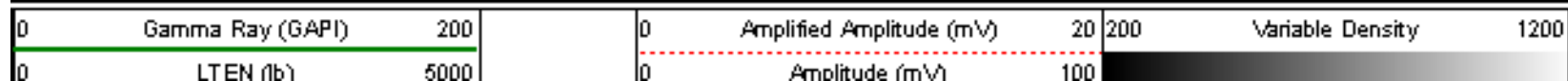




## BOTTOM REPEAT PASS

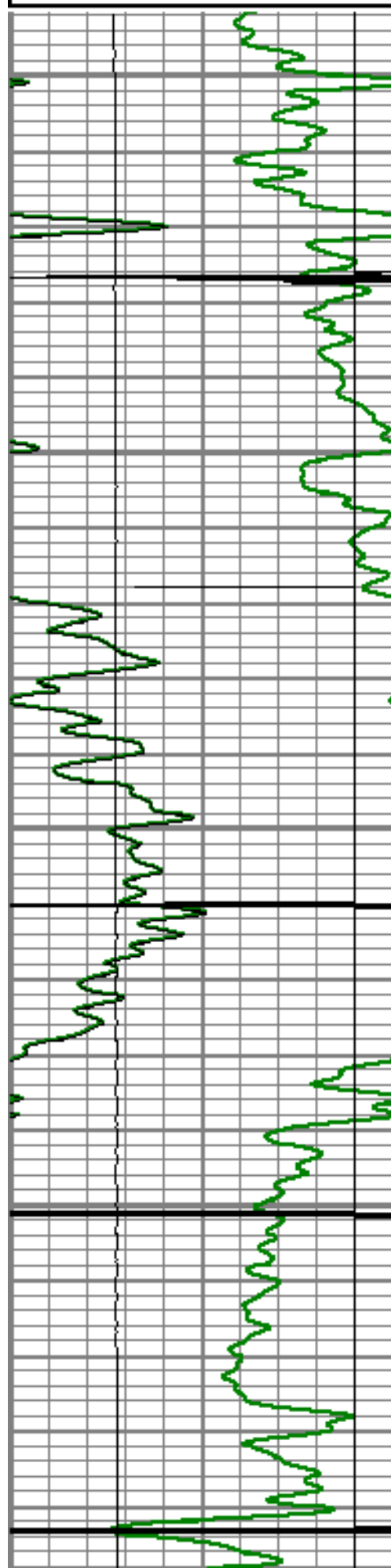
5" = 100'

Database File: puritan 4-6-34.db  
 Dataset Pathname: pass10  
 Presentation Format: dobl\_prb  
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 Charted by: Depth in Feet scaled 1:240



9 CCL -1

0 TT3 (usec) 280

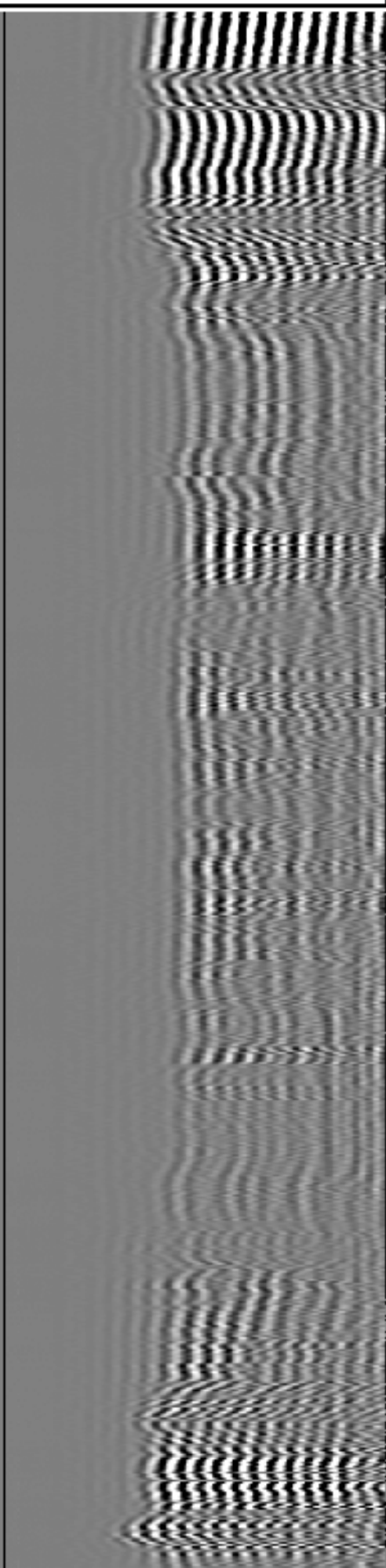
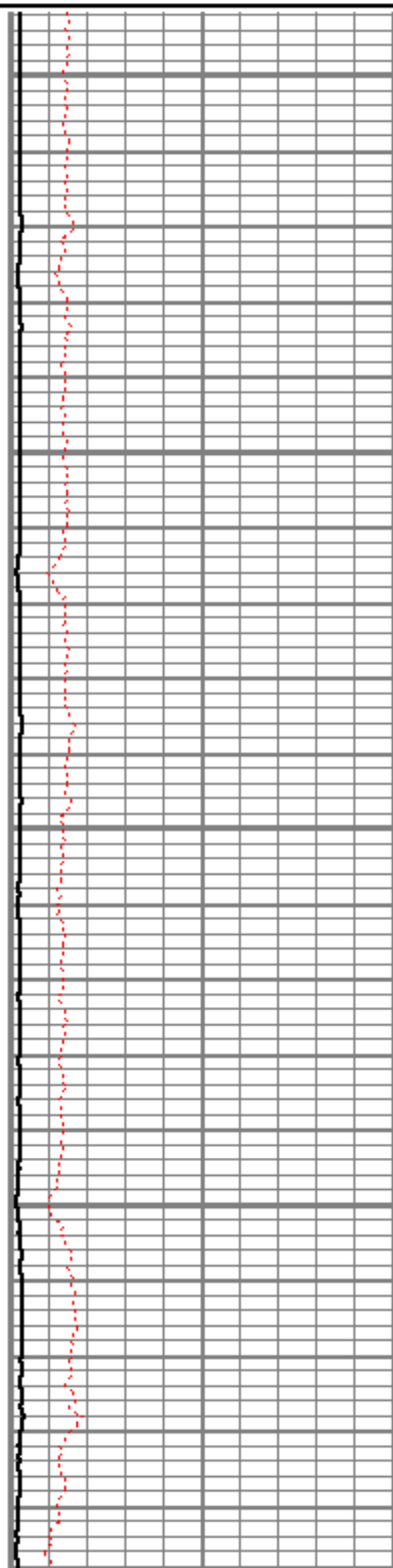


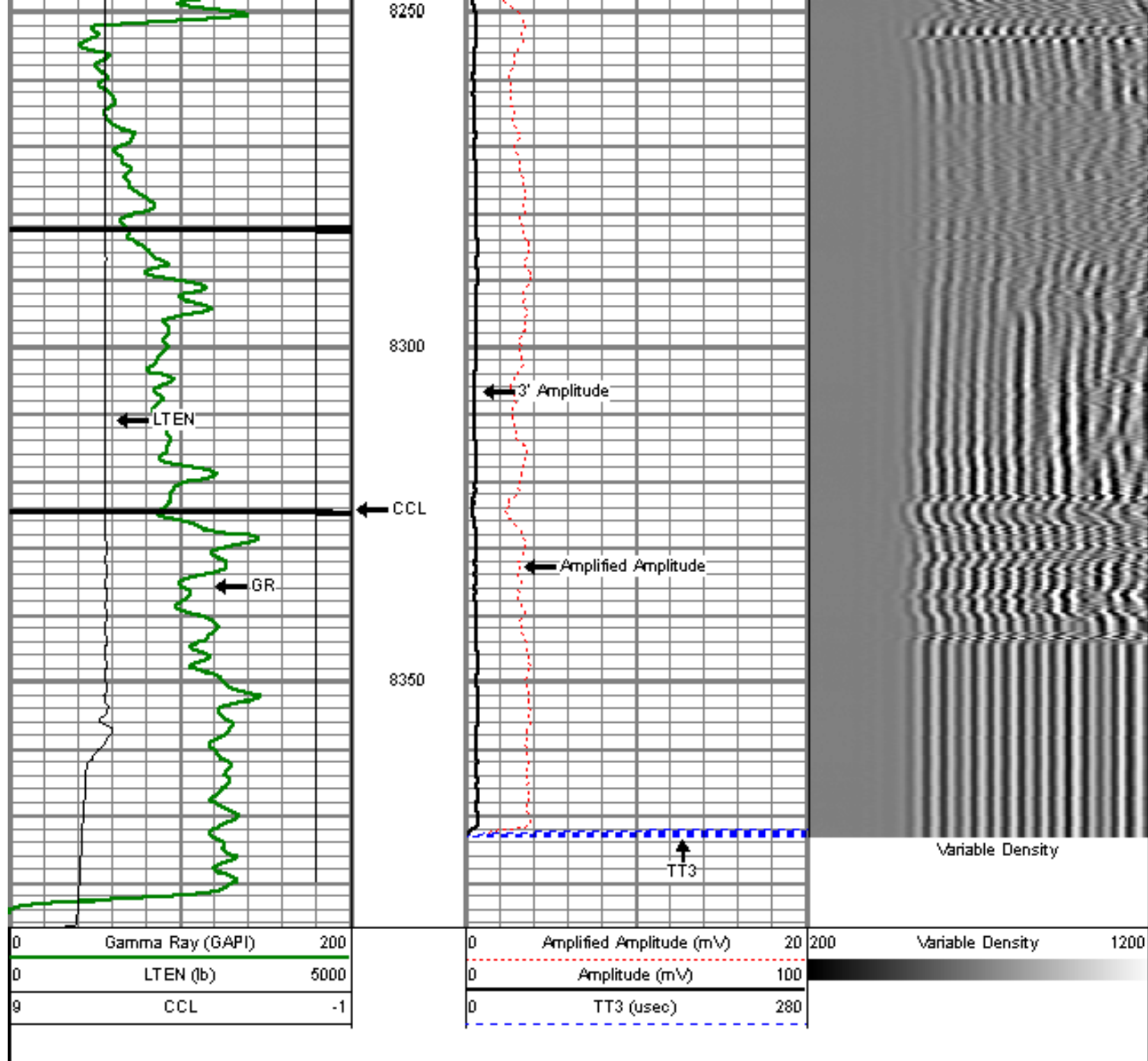
8050

8100

8150

8200

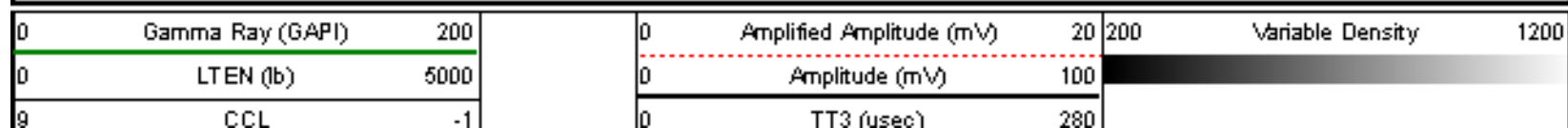




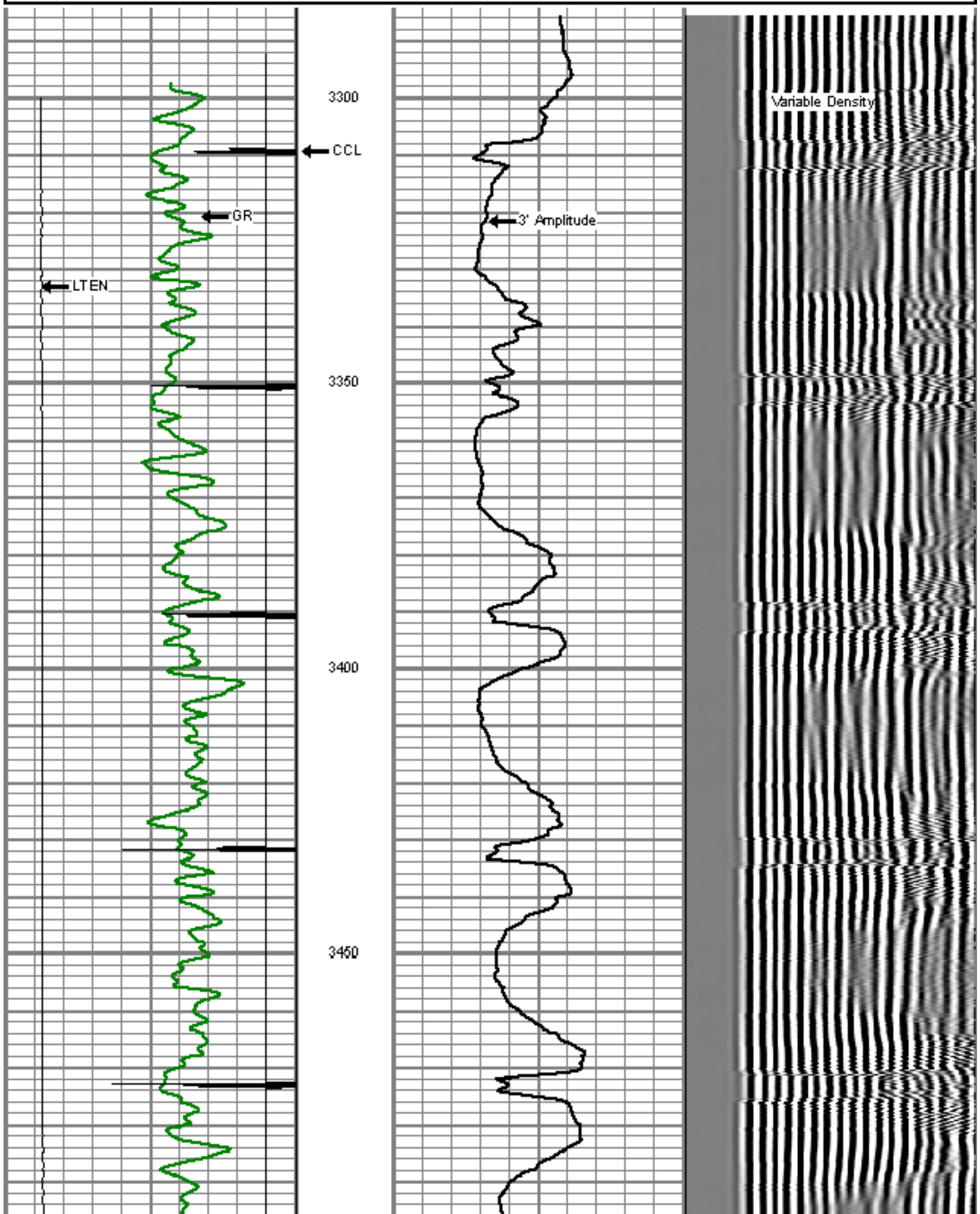
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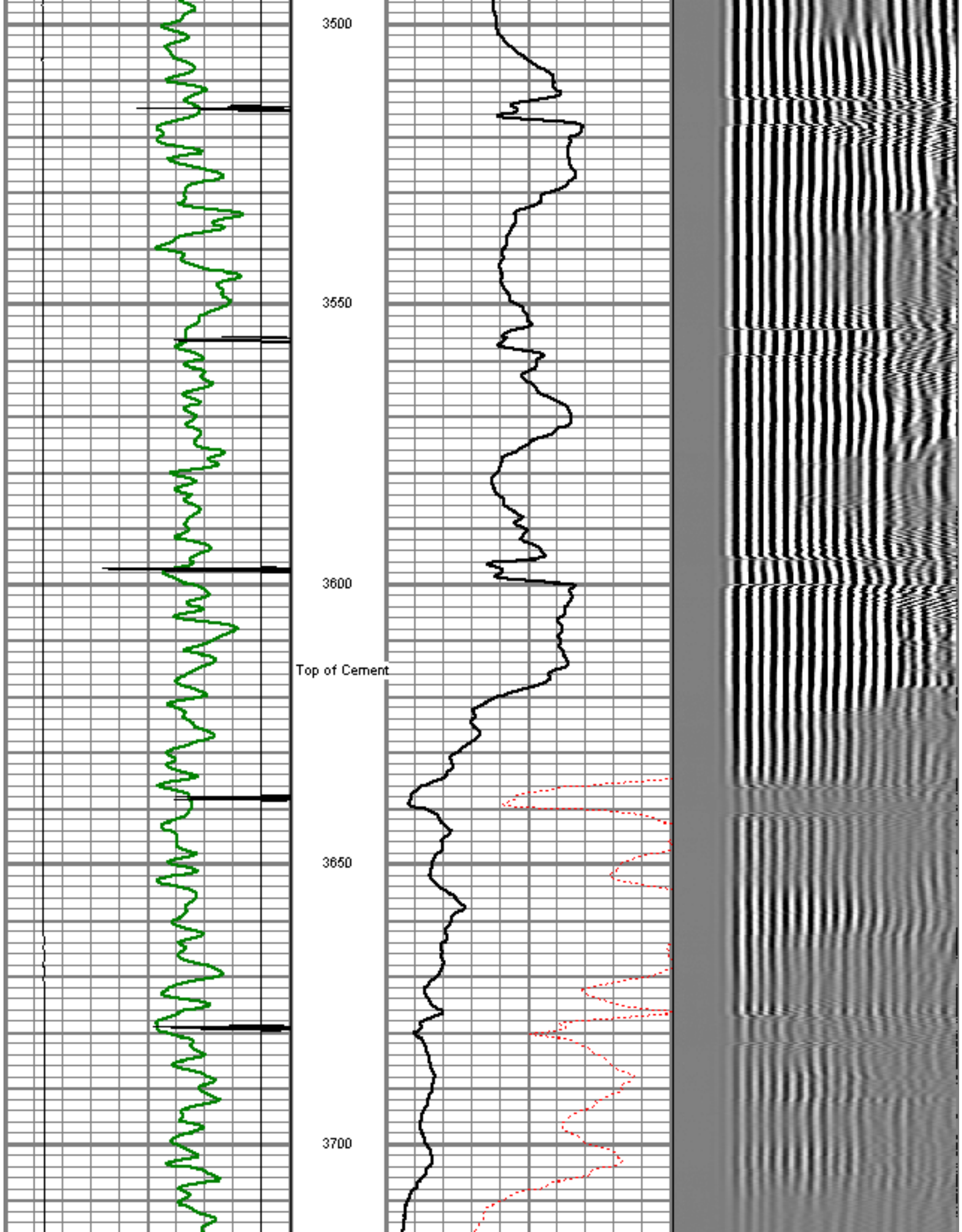
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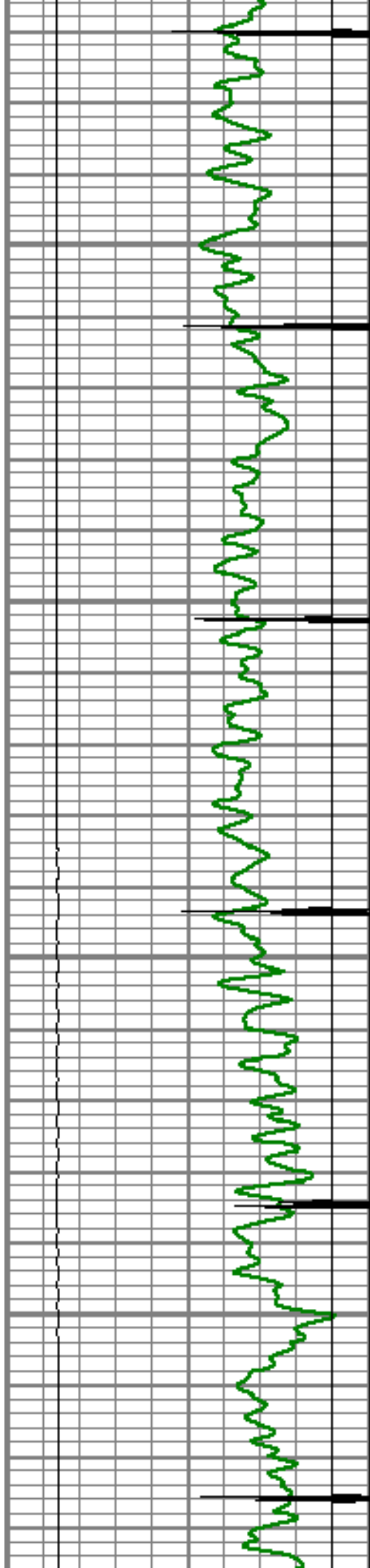
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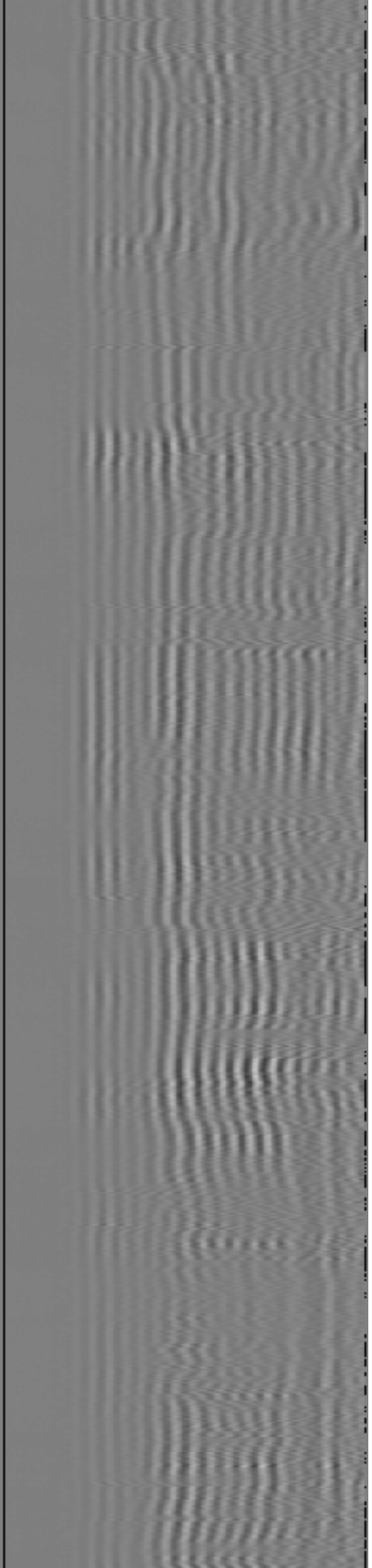
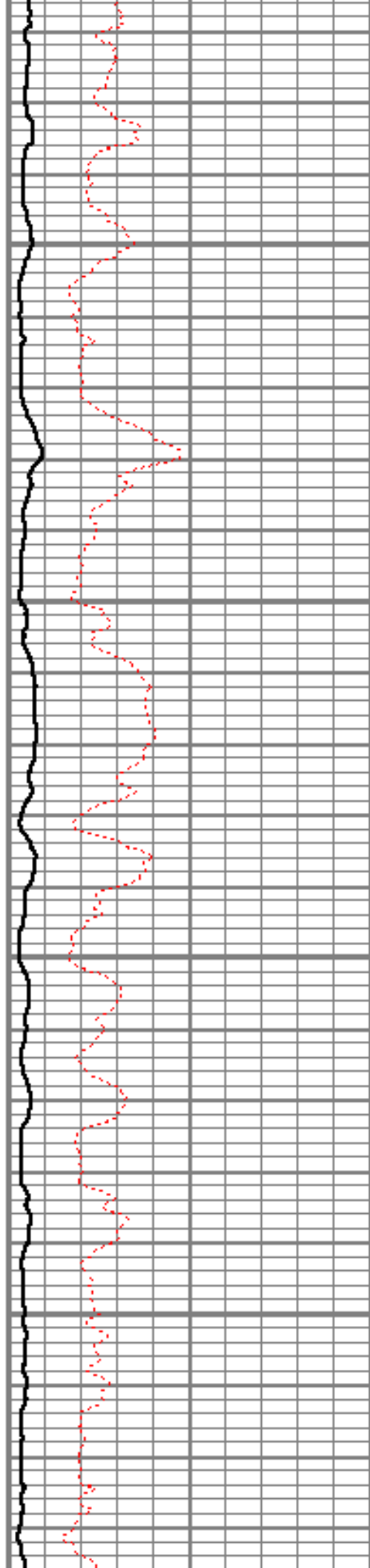


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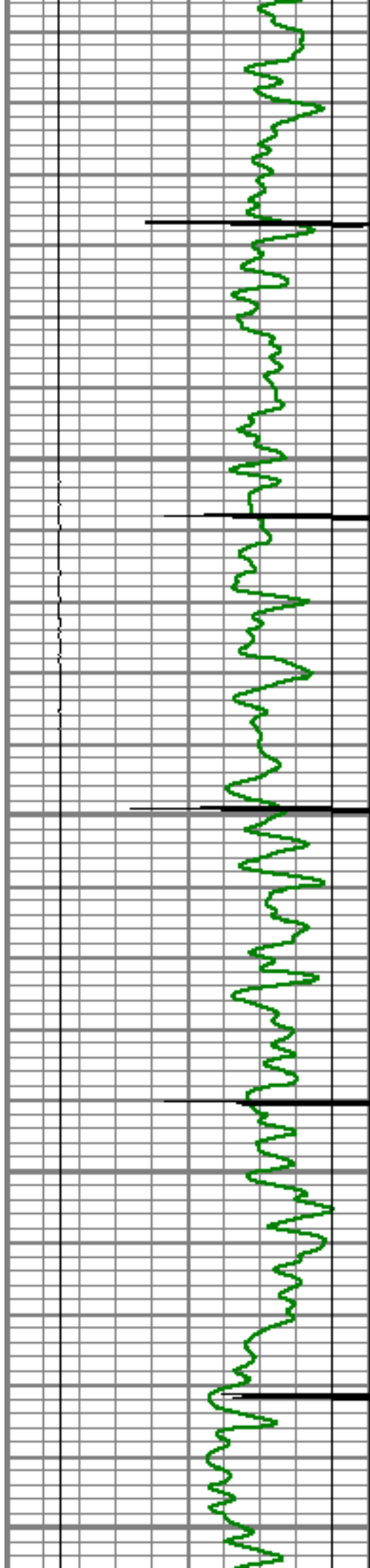
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3850

3900







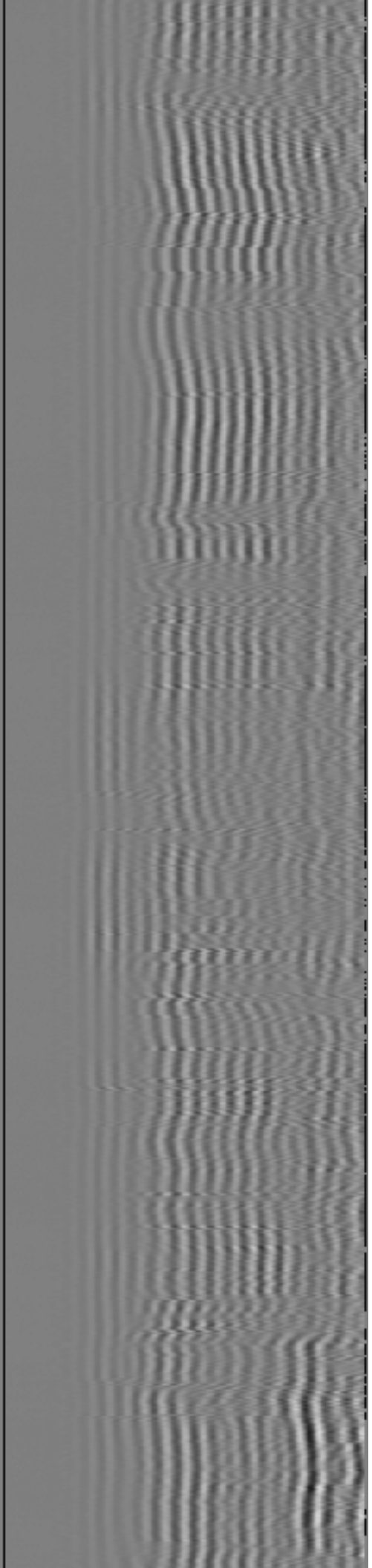
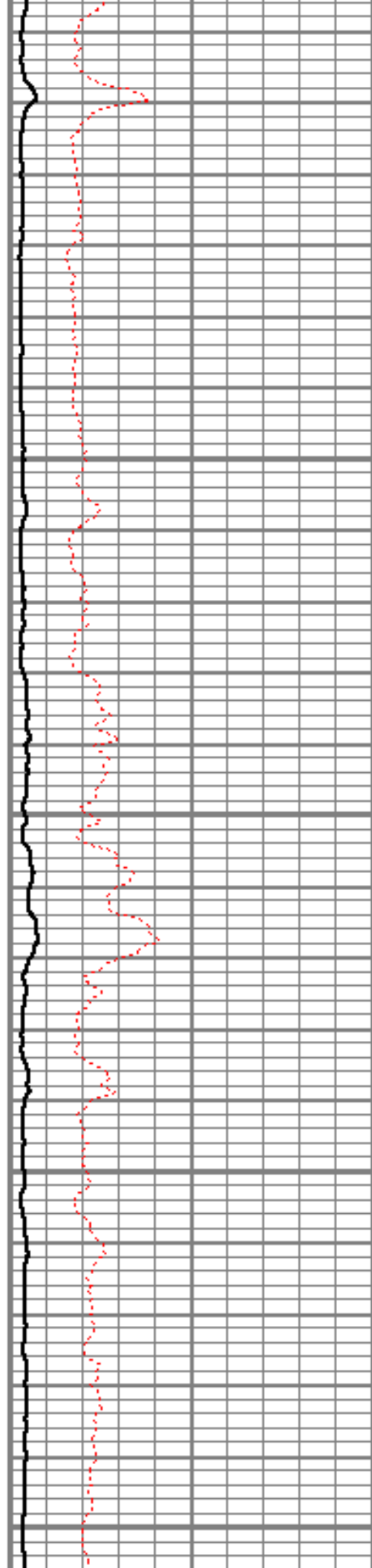
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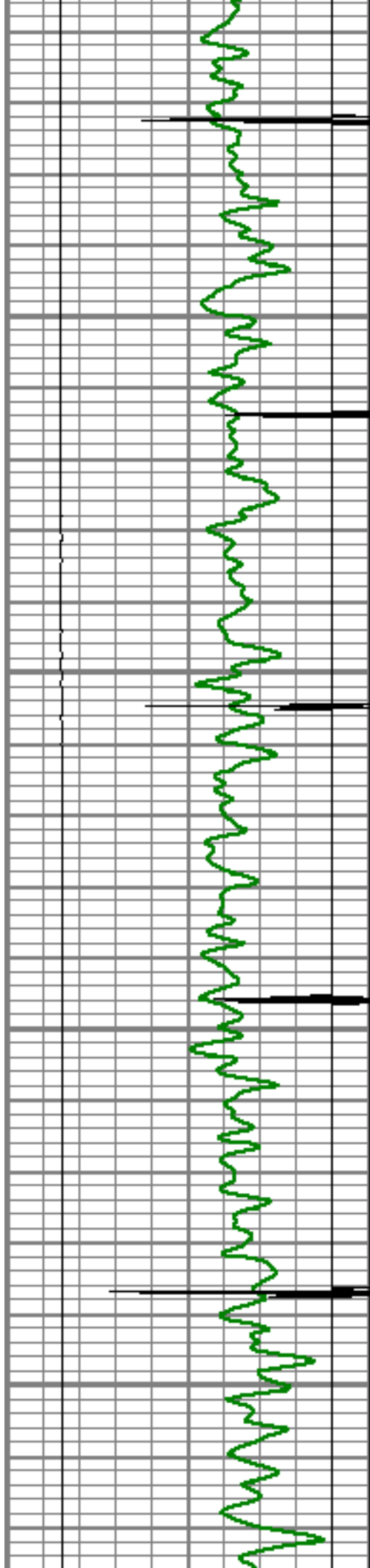
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4050

4100

4150



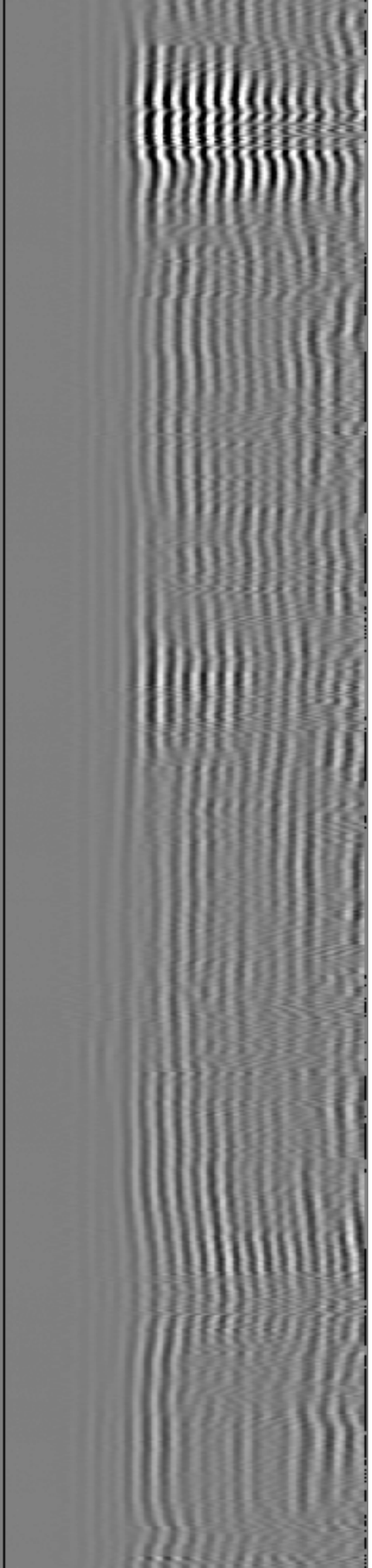
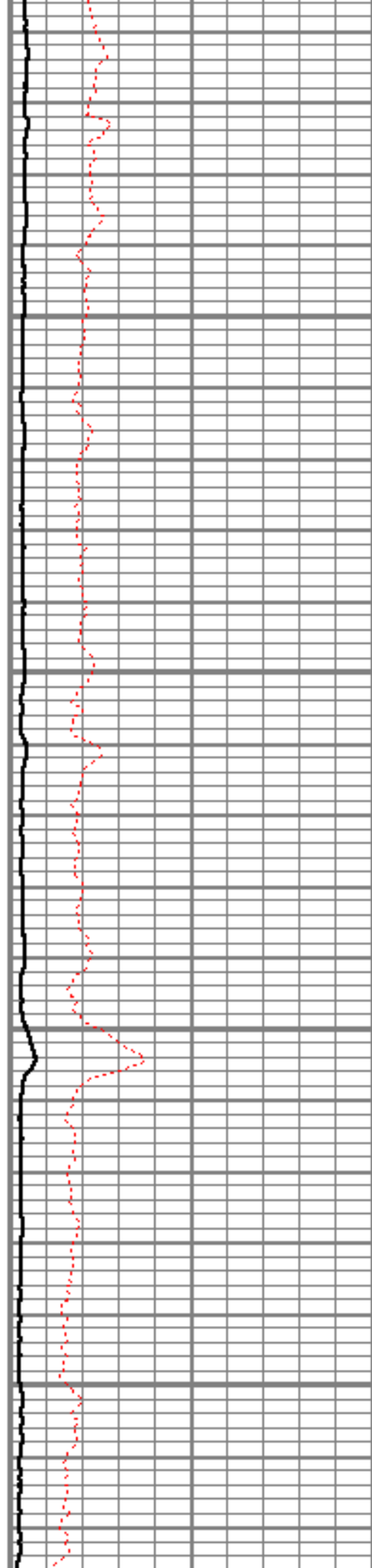


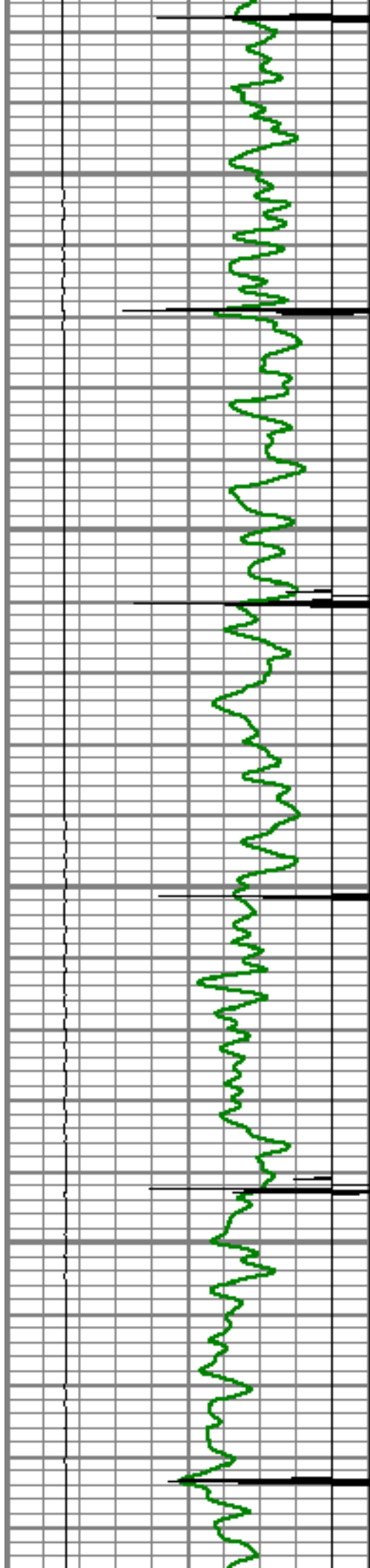
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4250

4300

4350



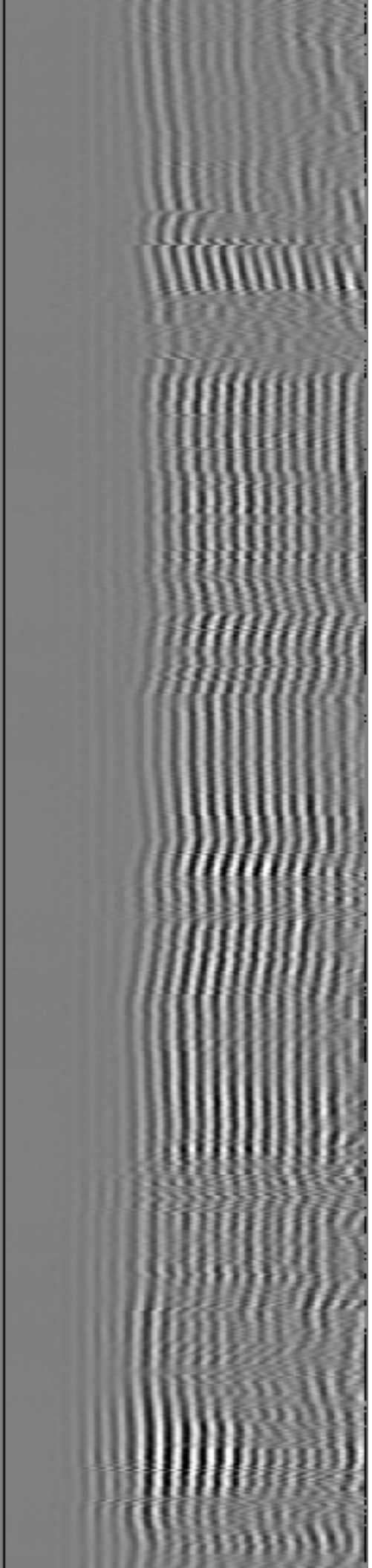
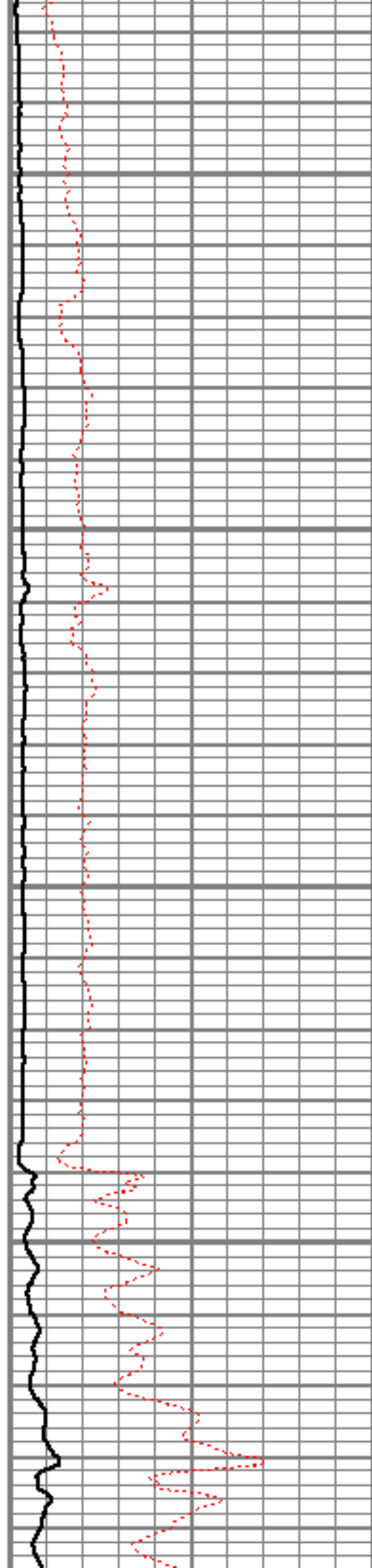


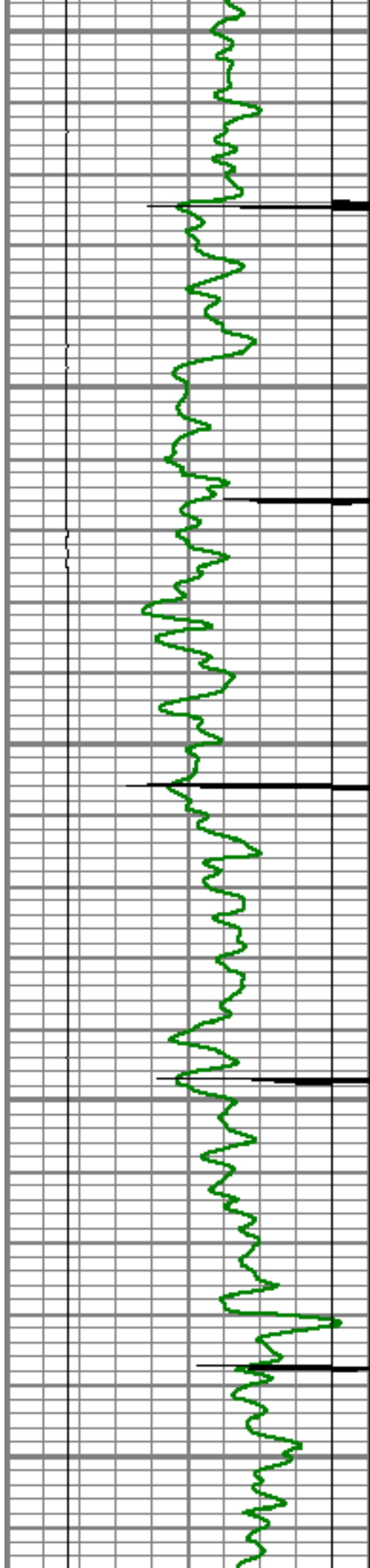
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4450

4500

4550





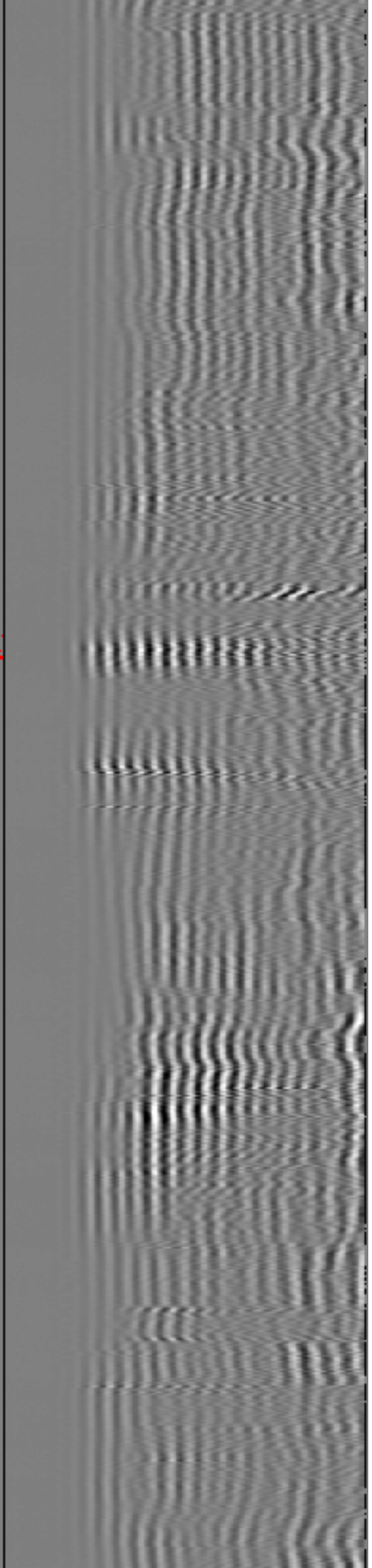
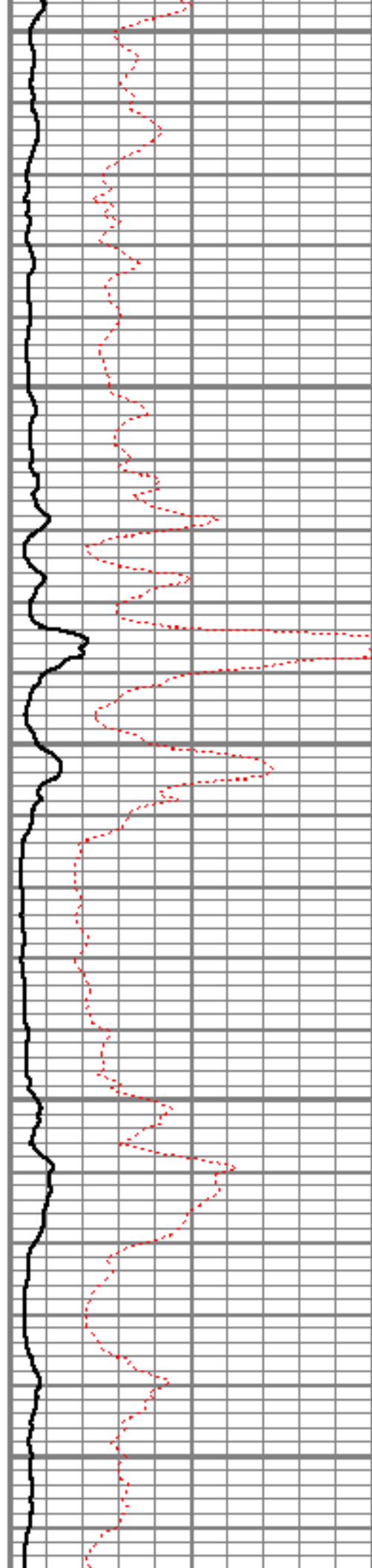
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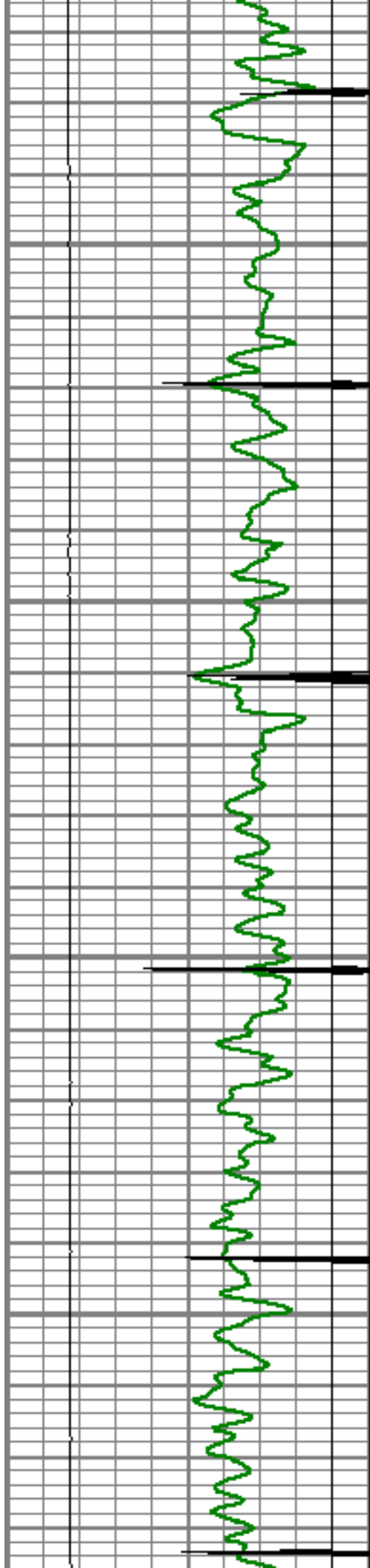
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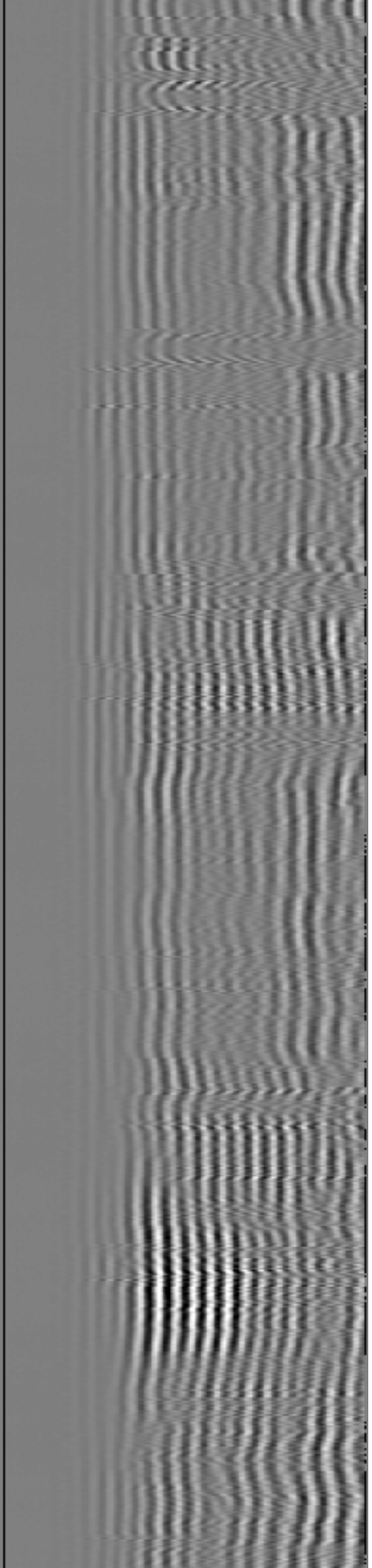
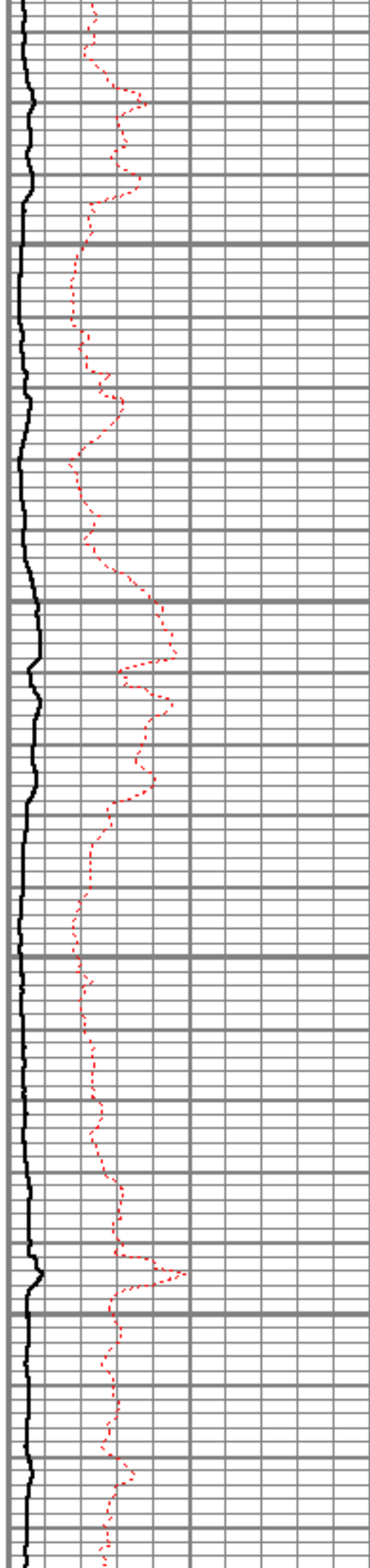


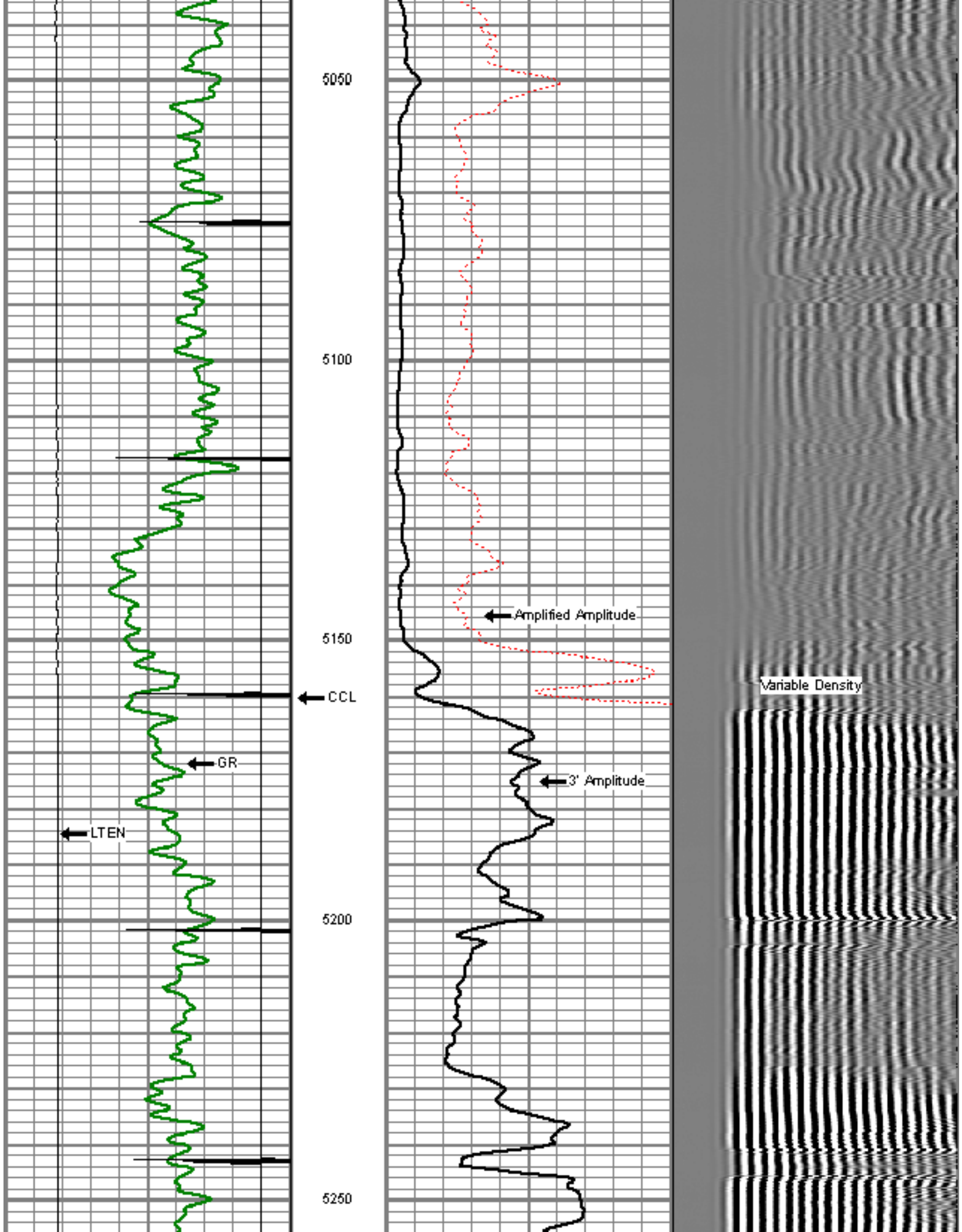
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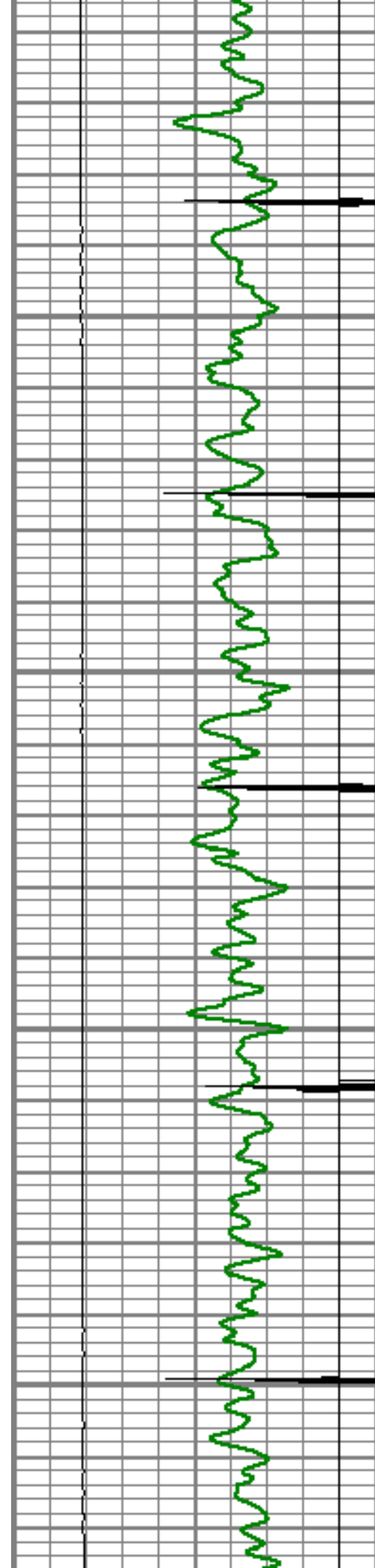
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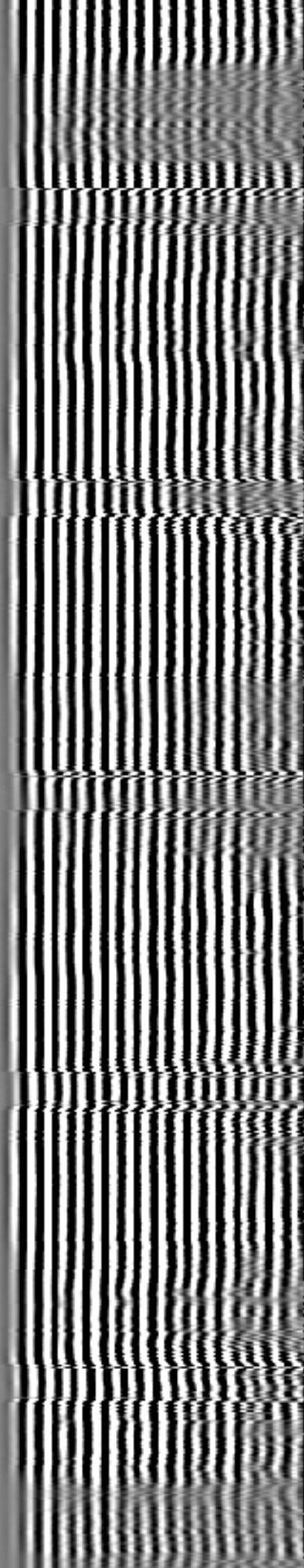
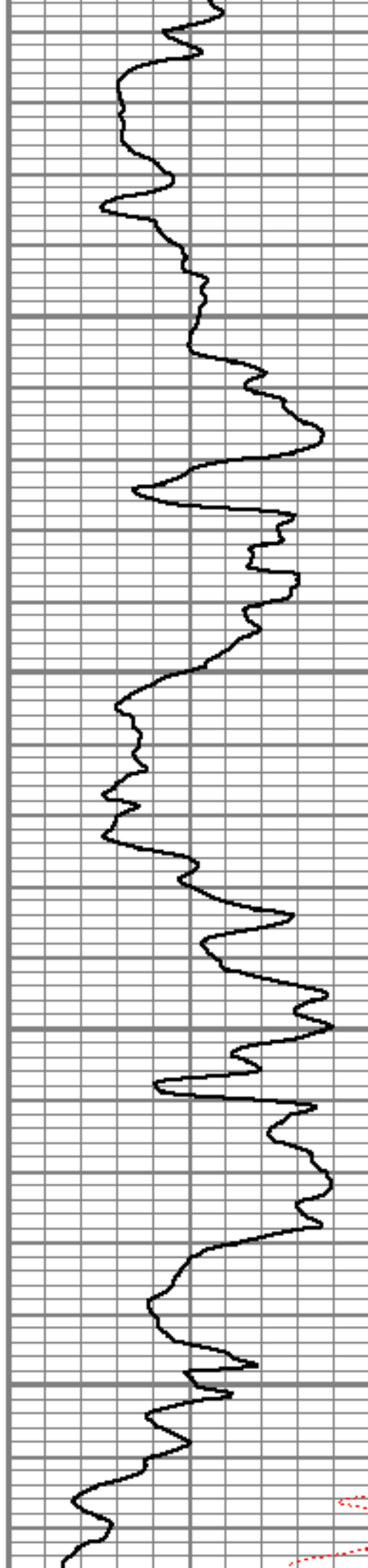


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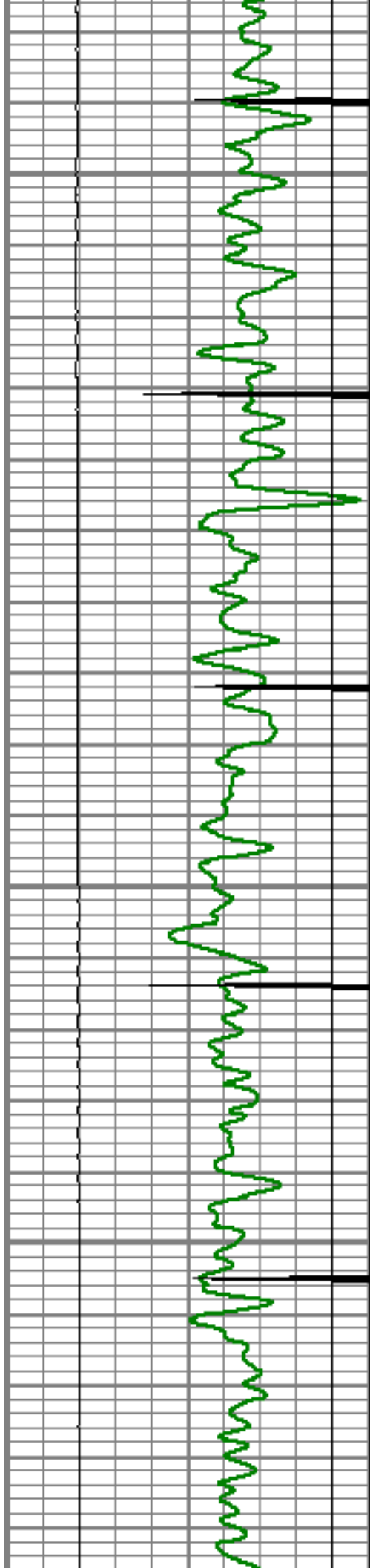
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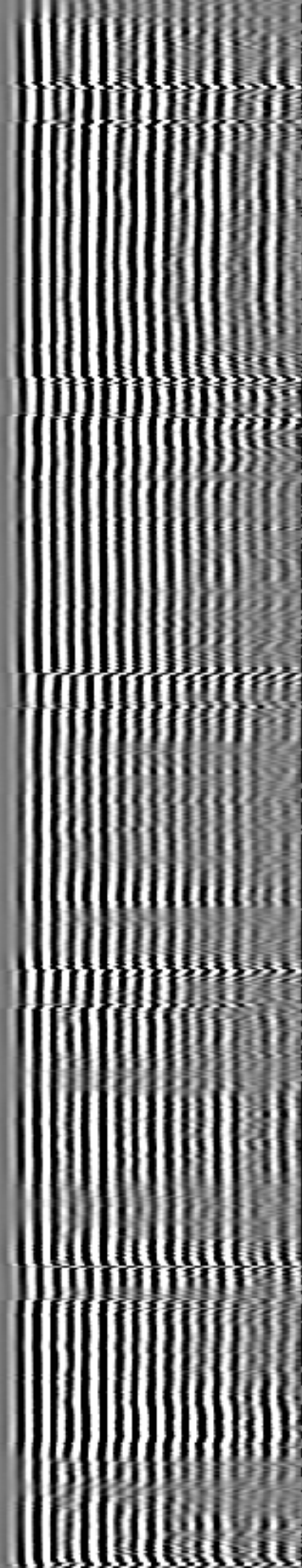
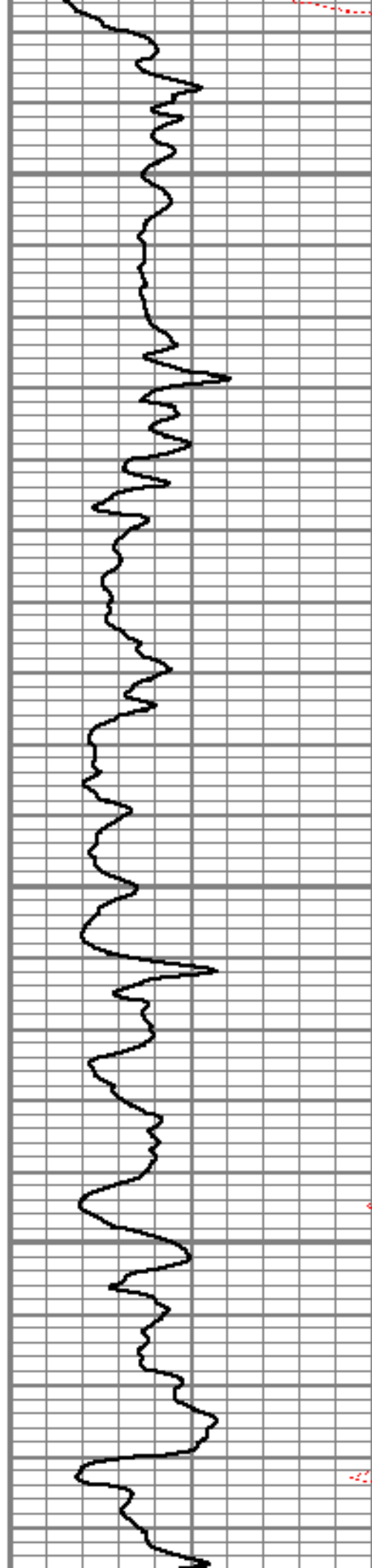


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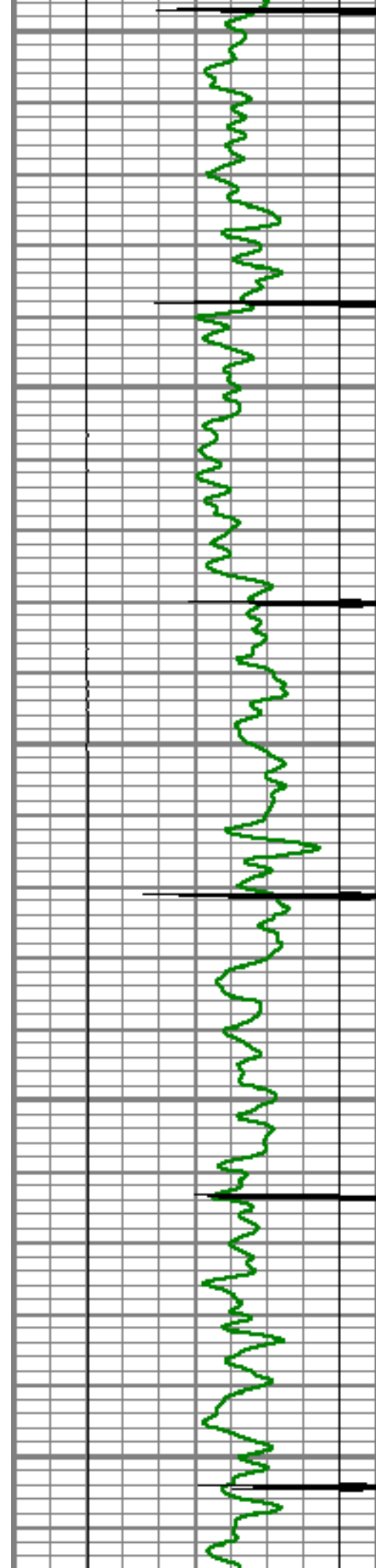
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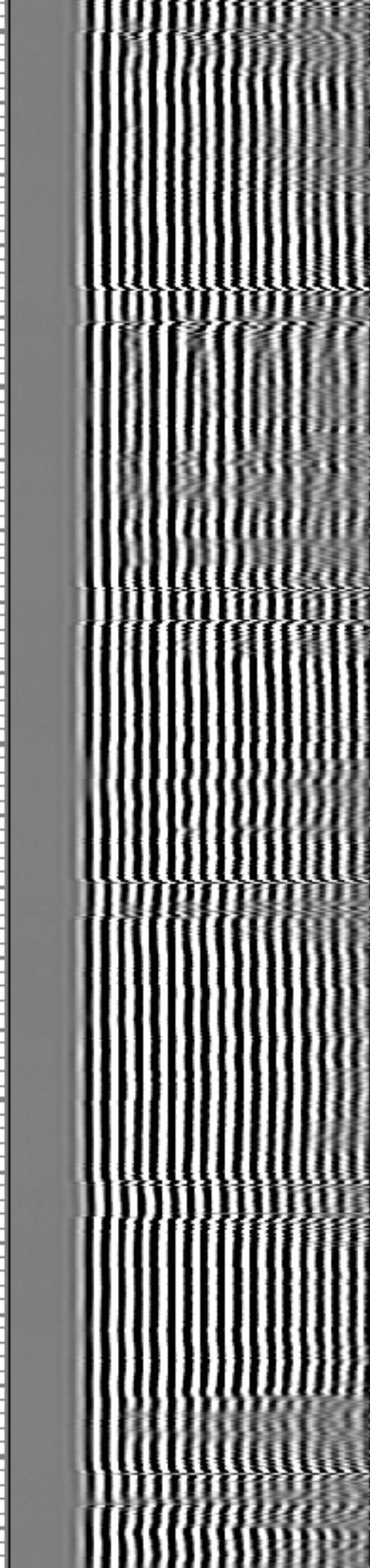
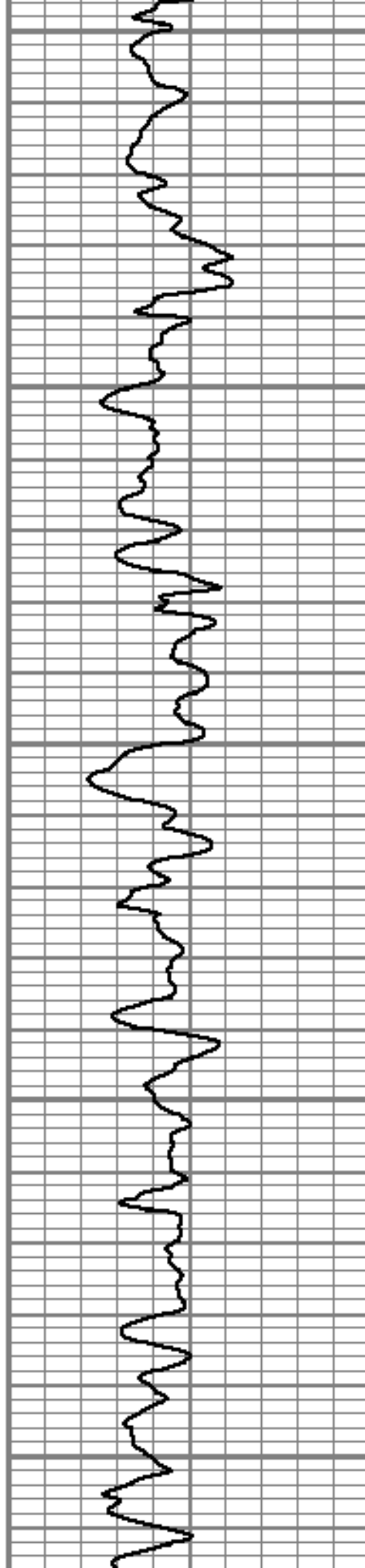
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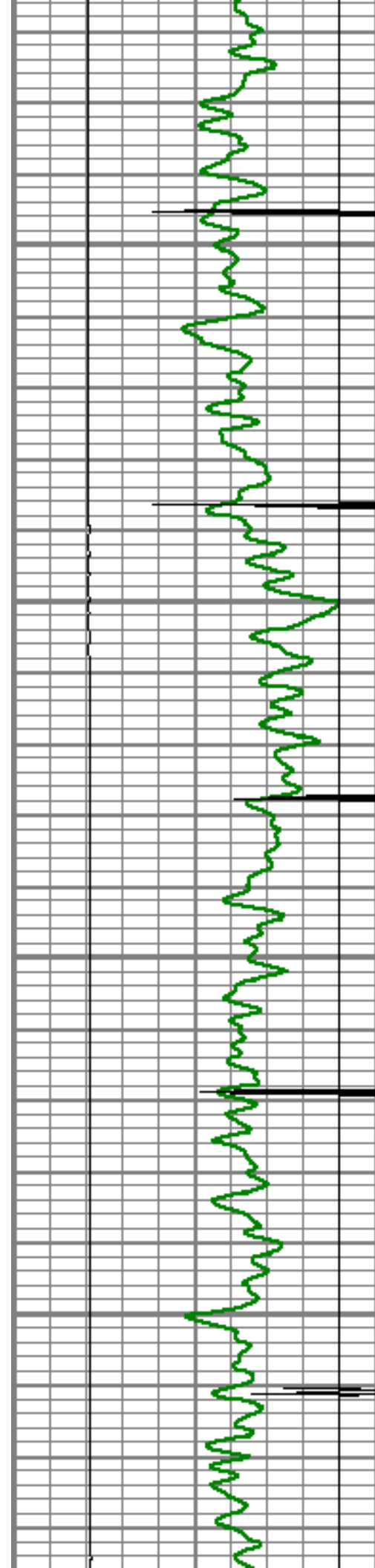
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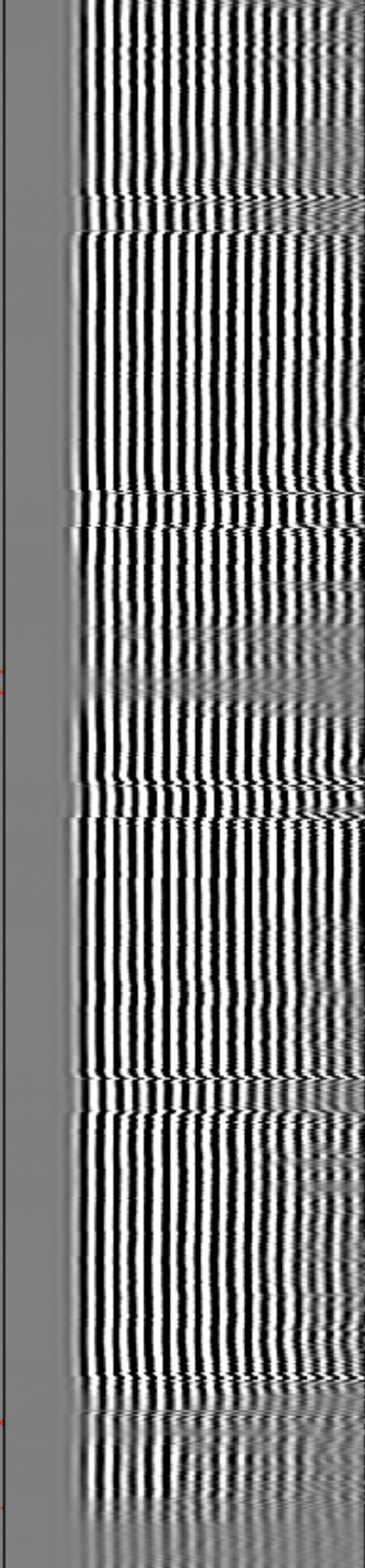
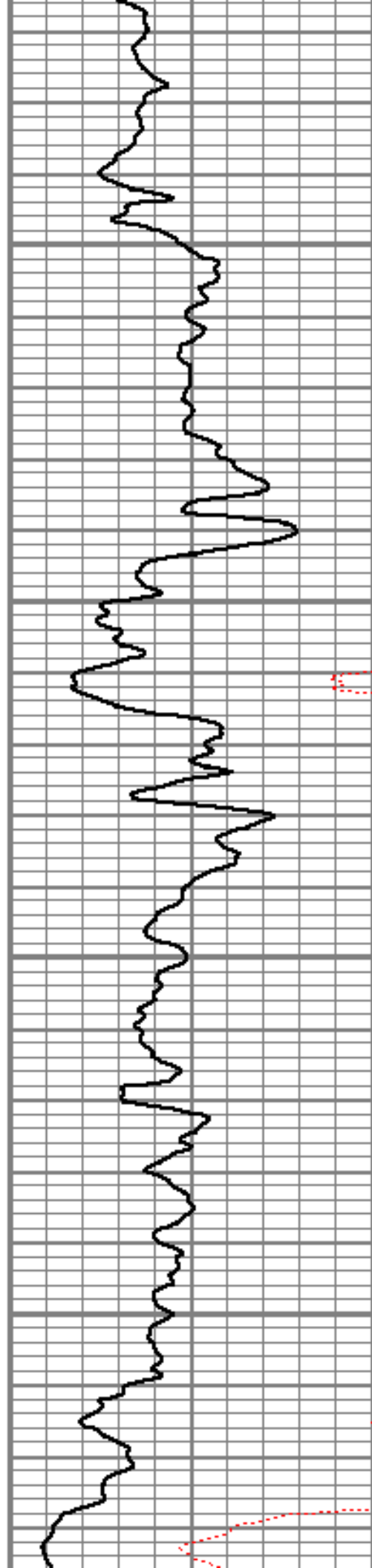


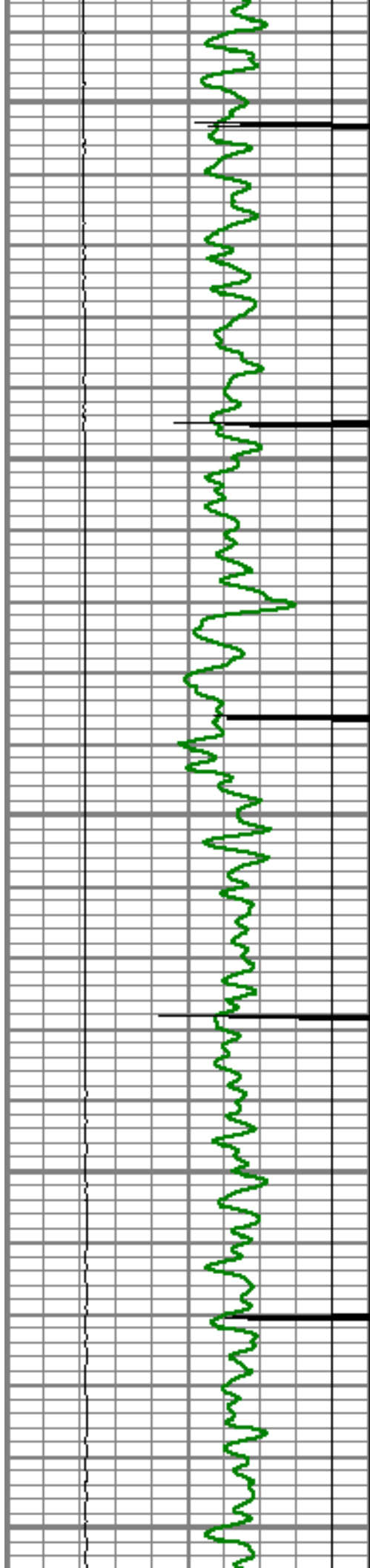
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6000

6050

6100





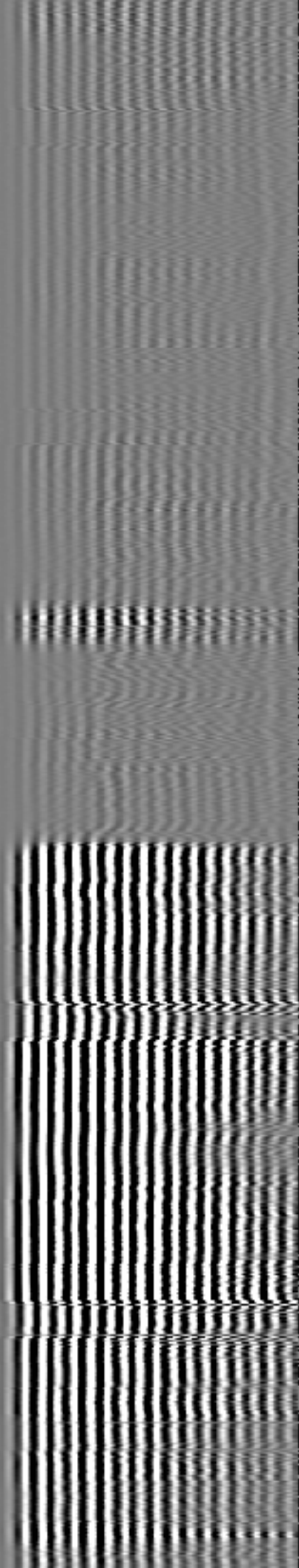
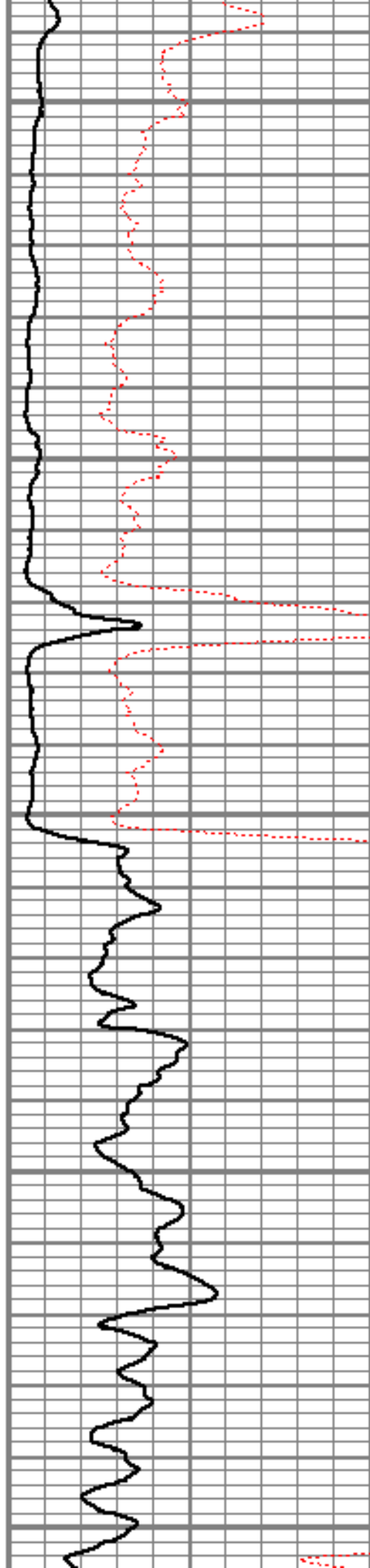
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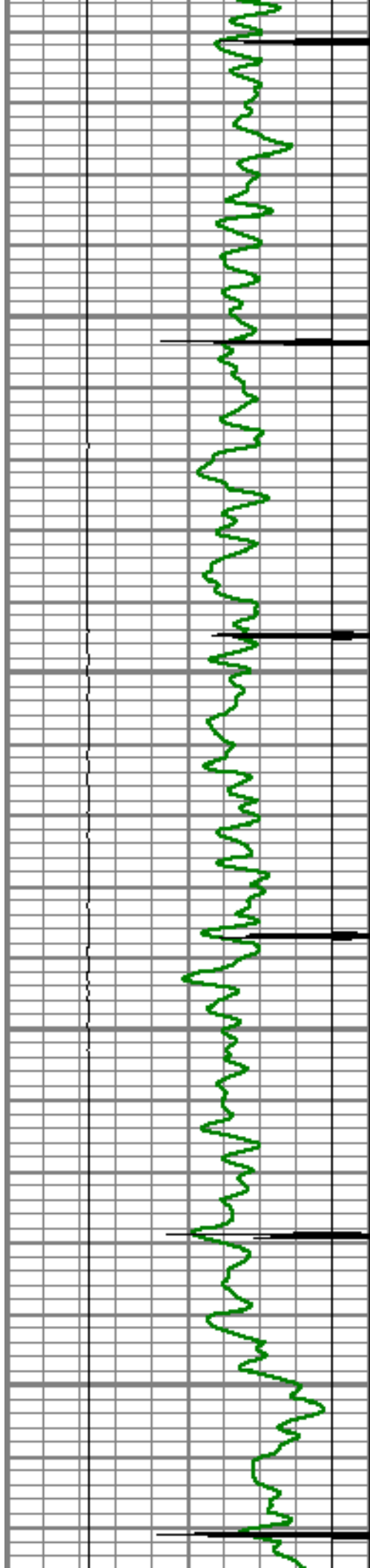
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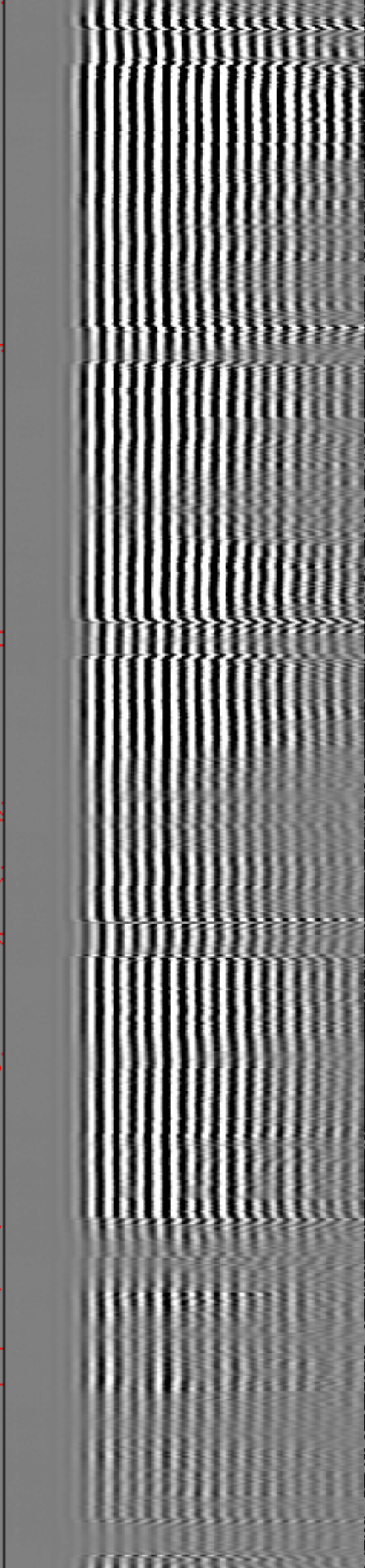
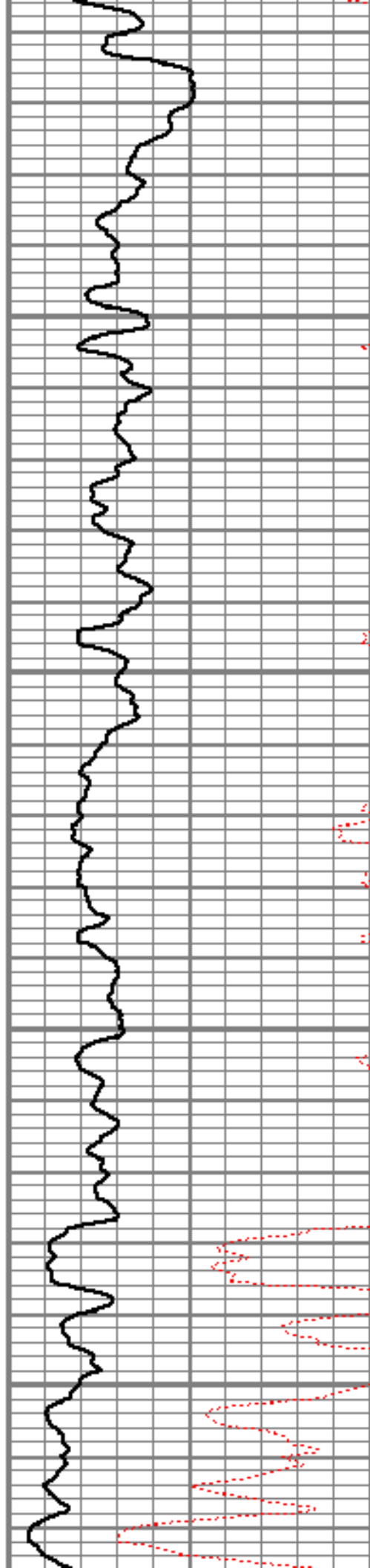


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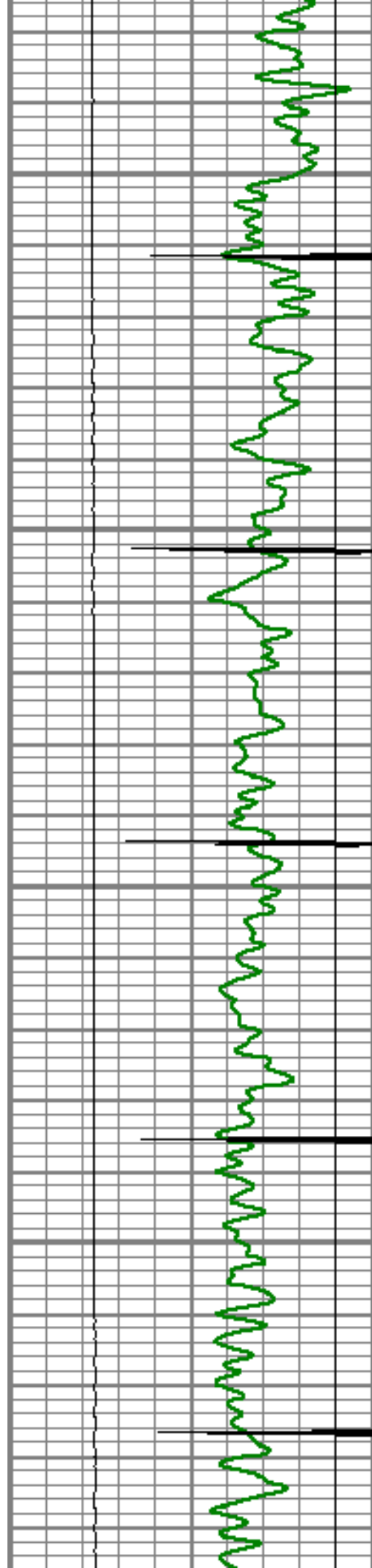
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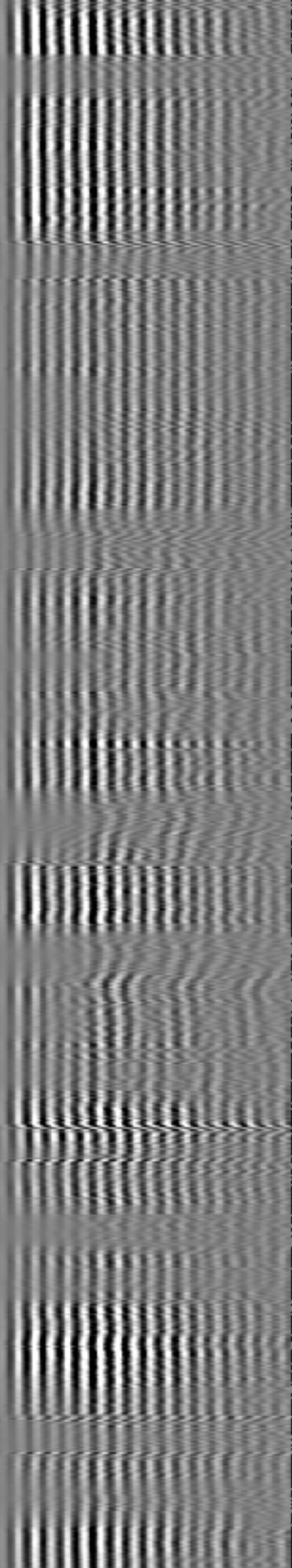
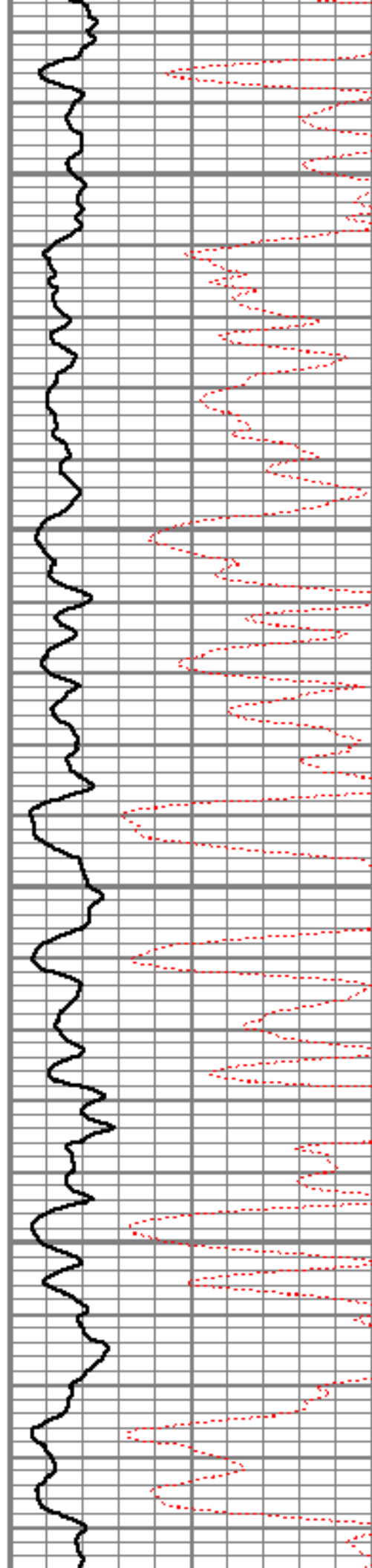


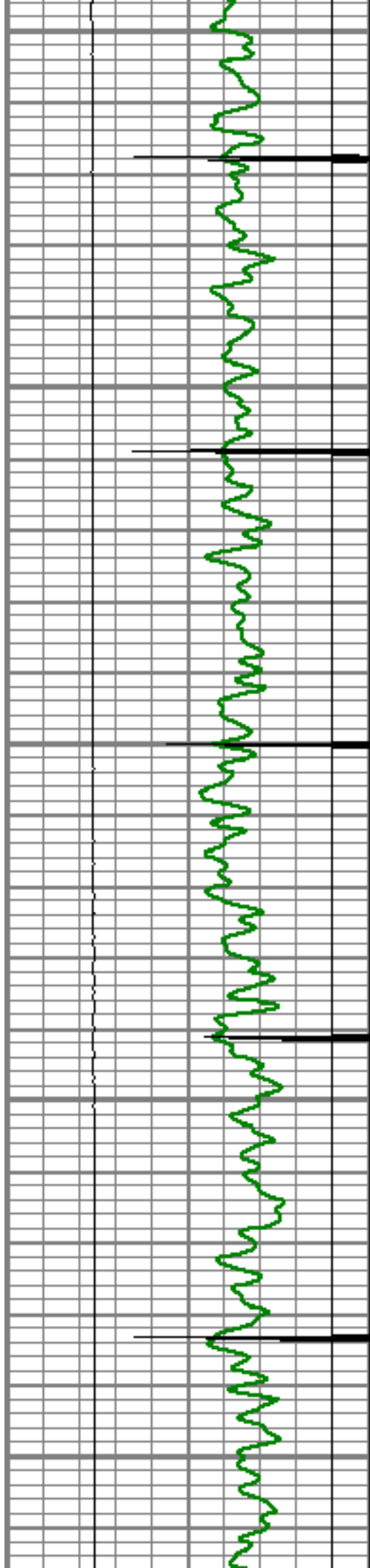
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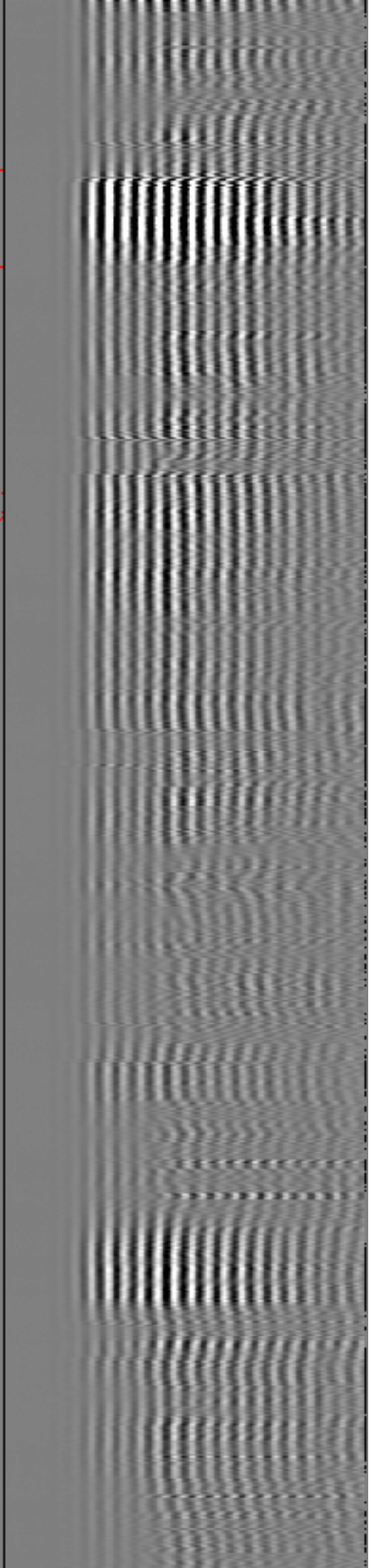
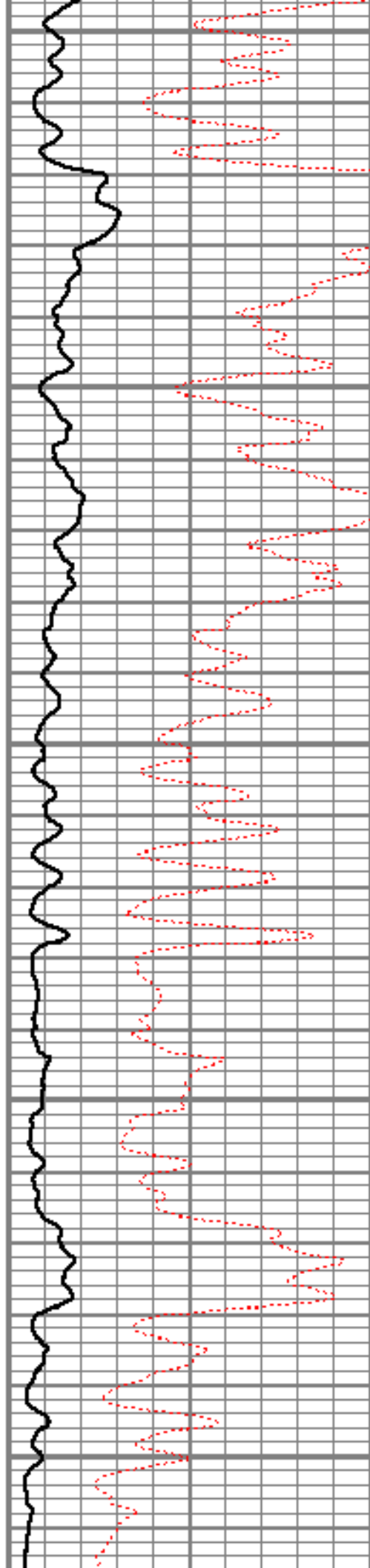
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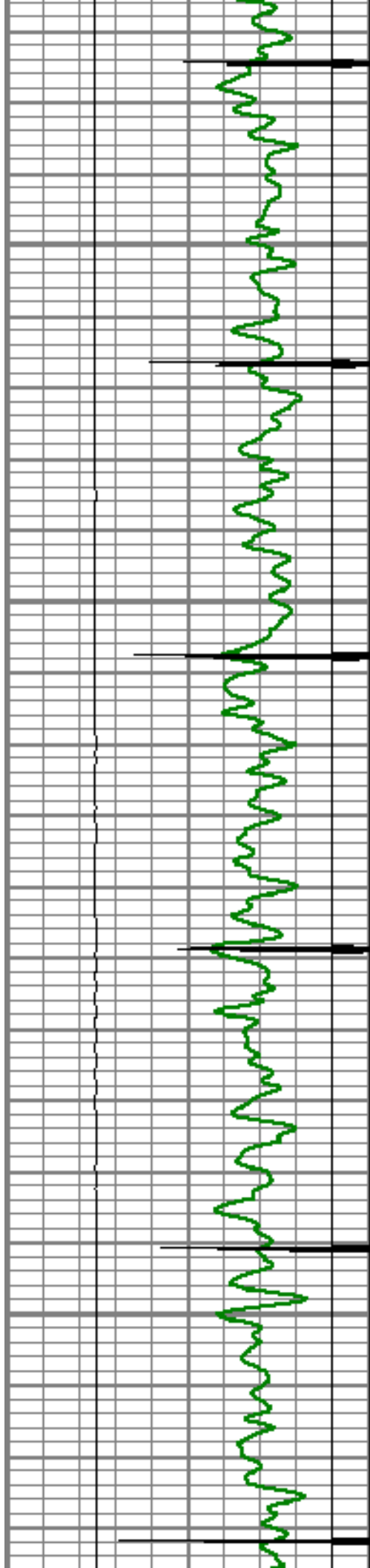
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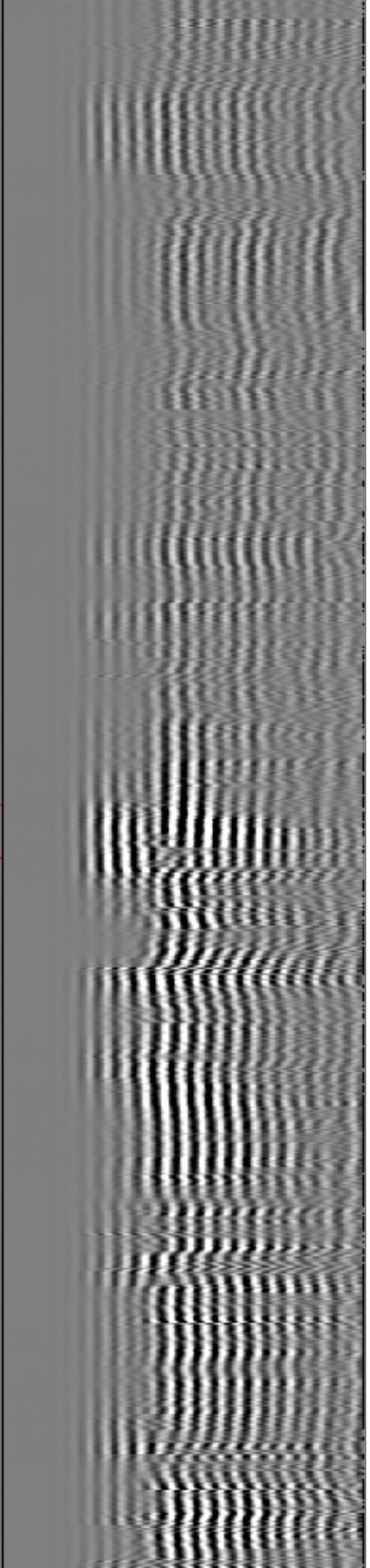
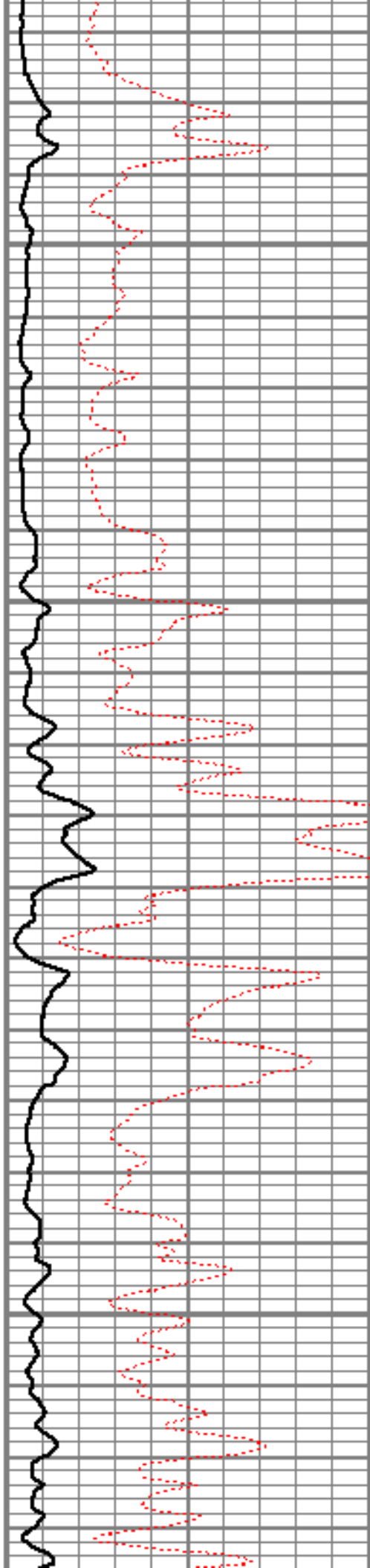


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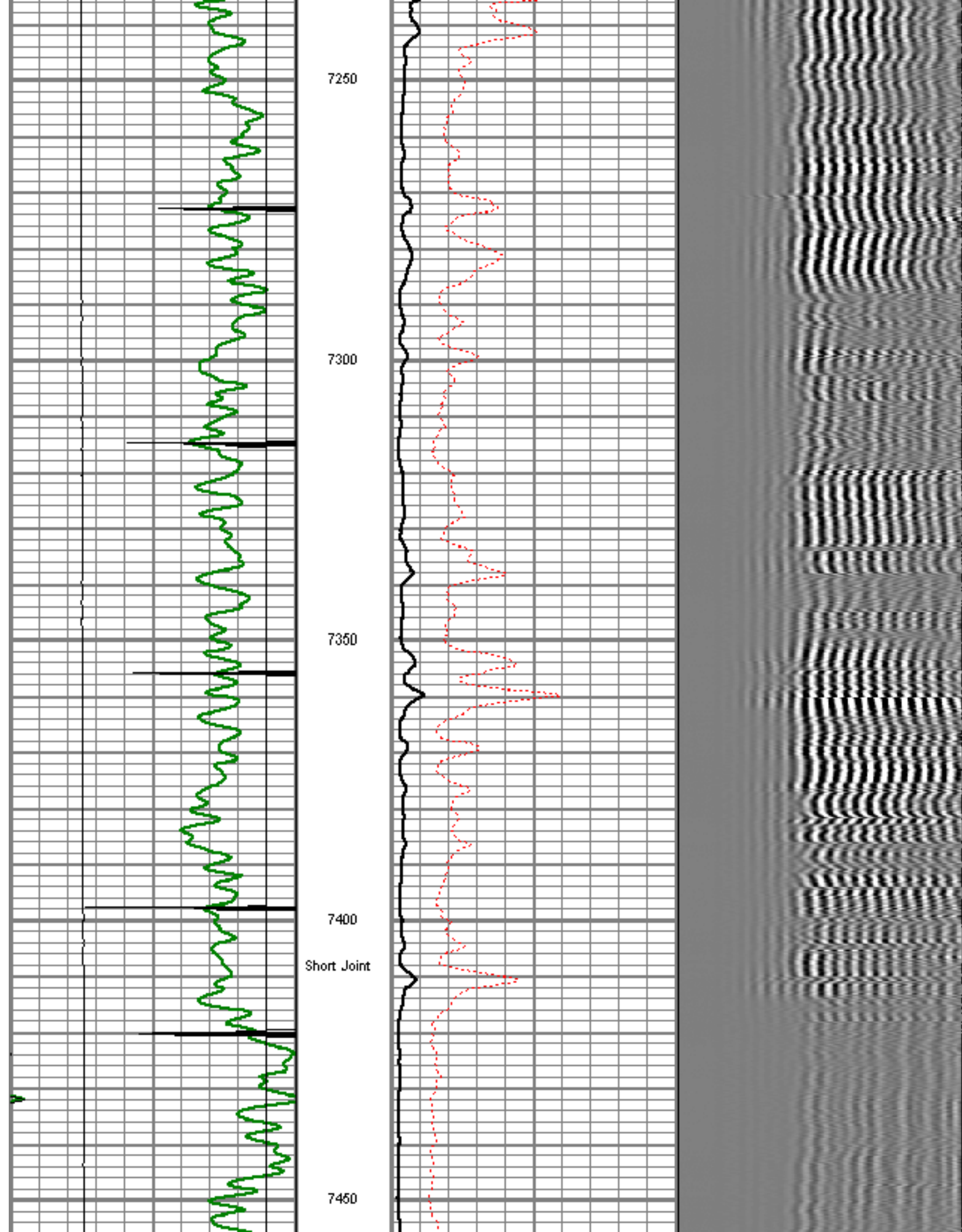
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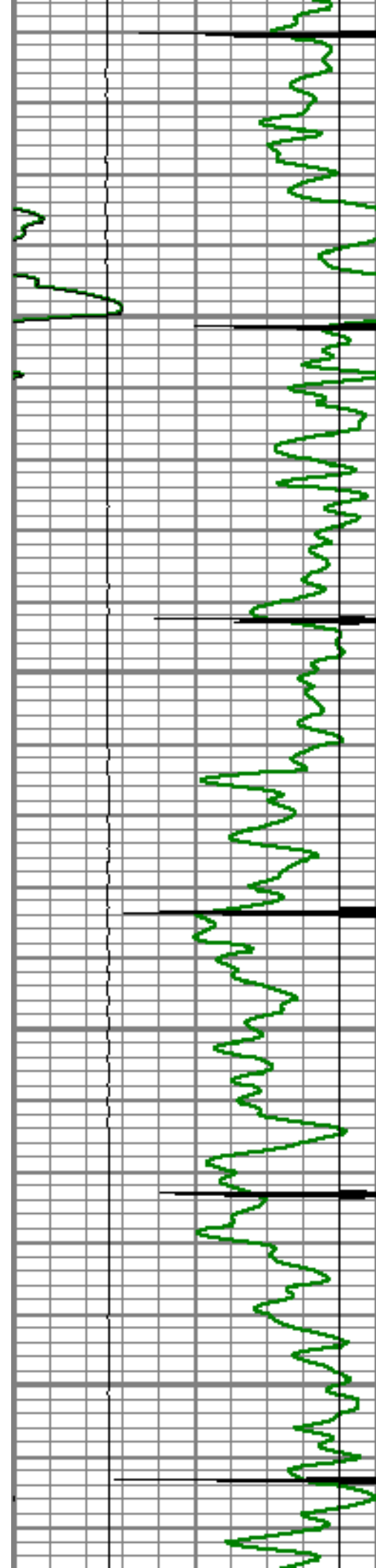
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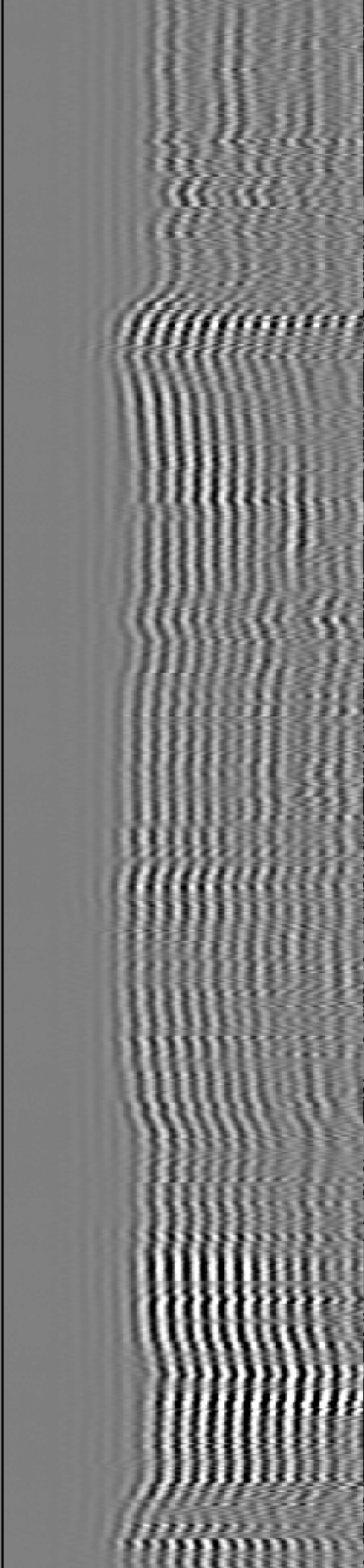
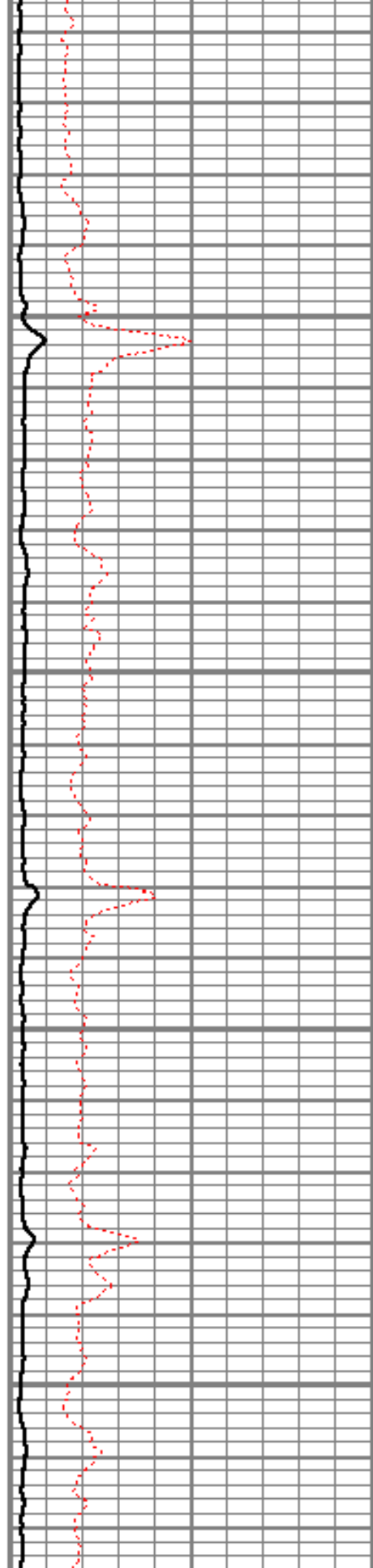


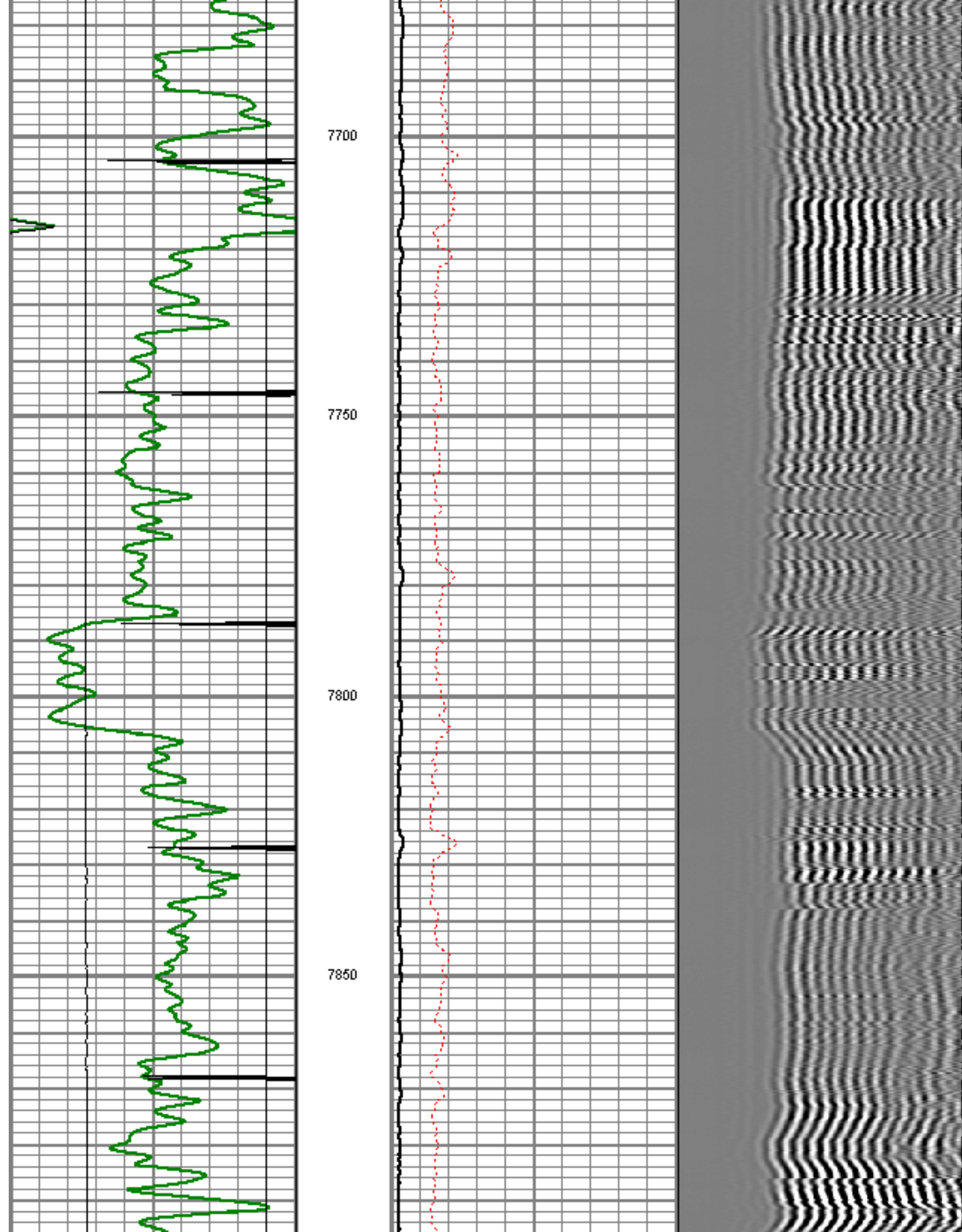
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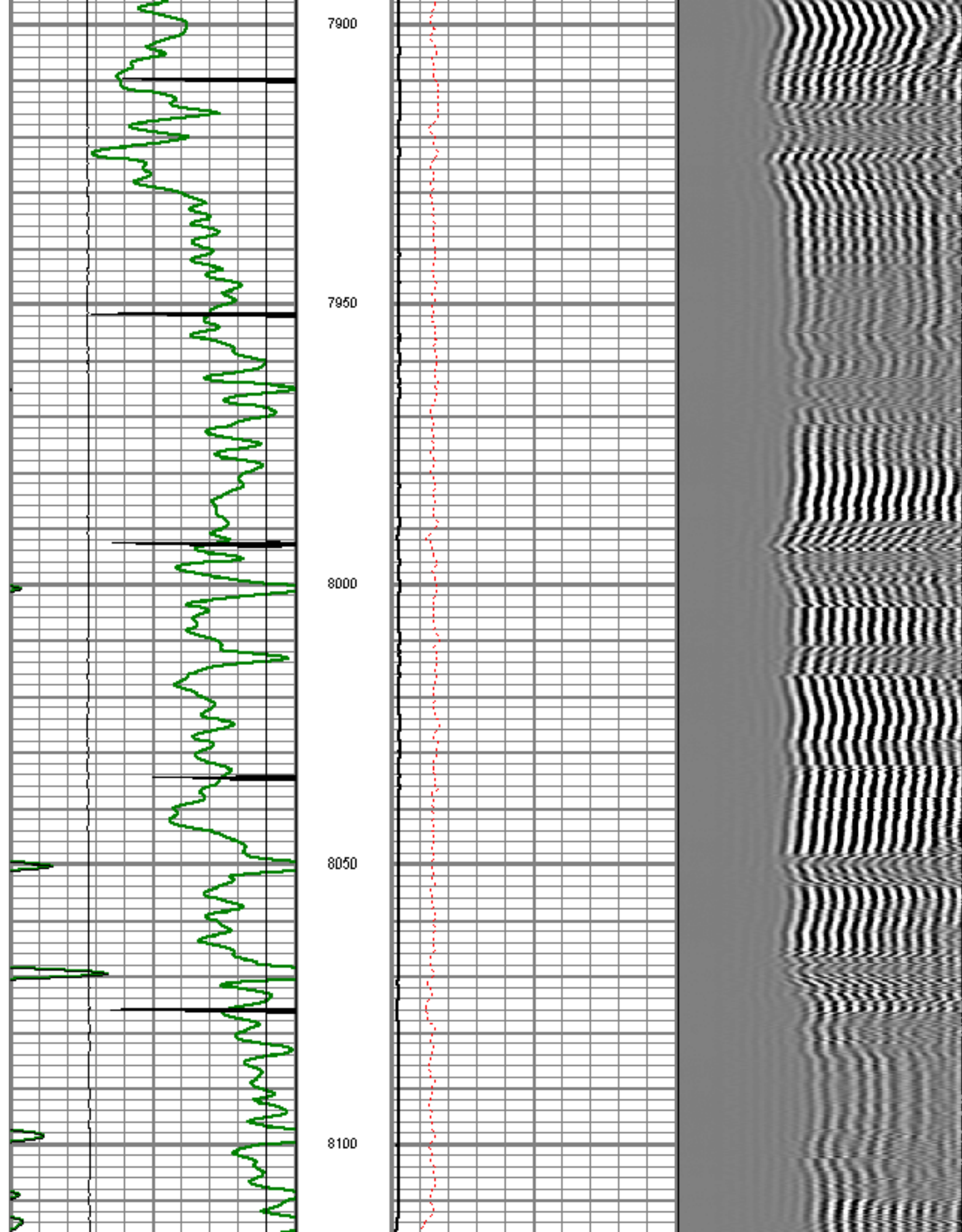
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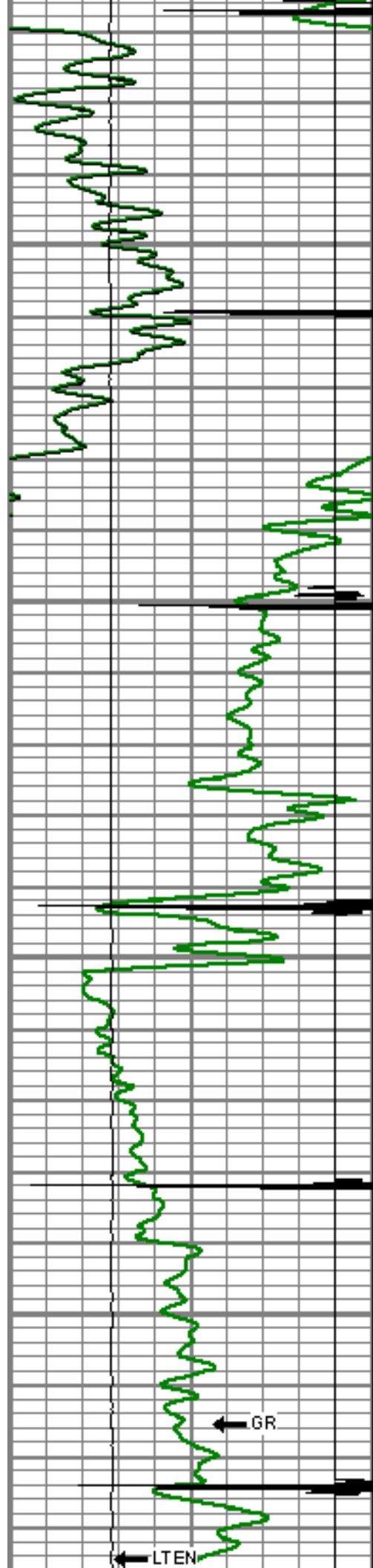
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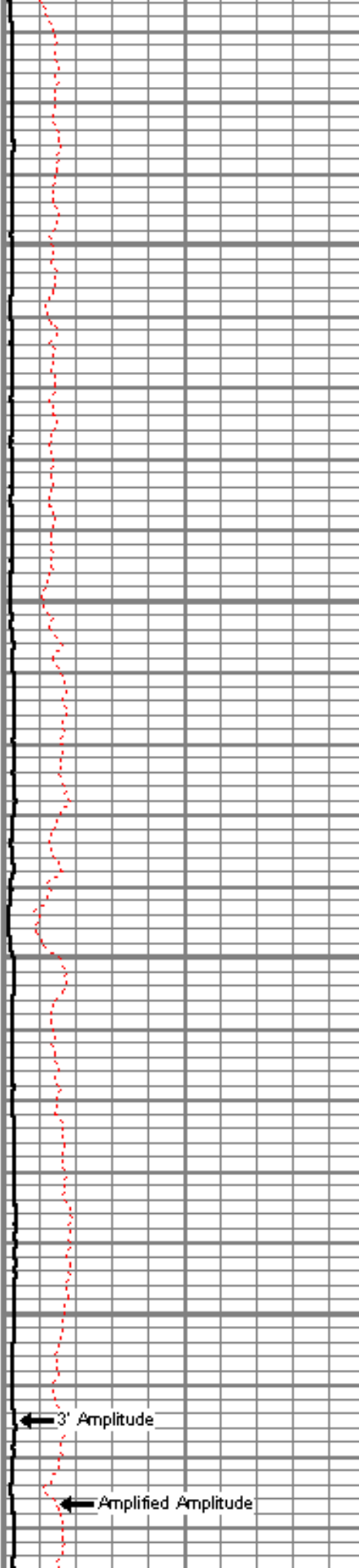
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← GR

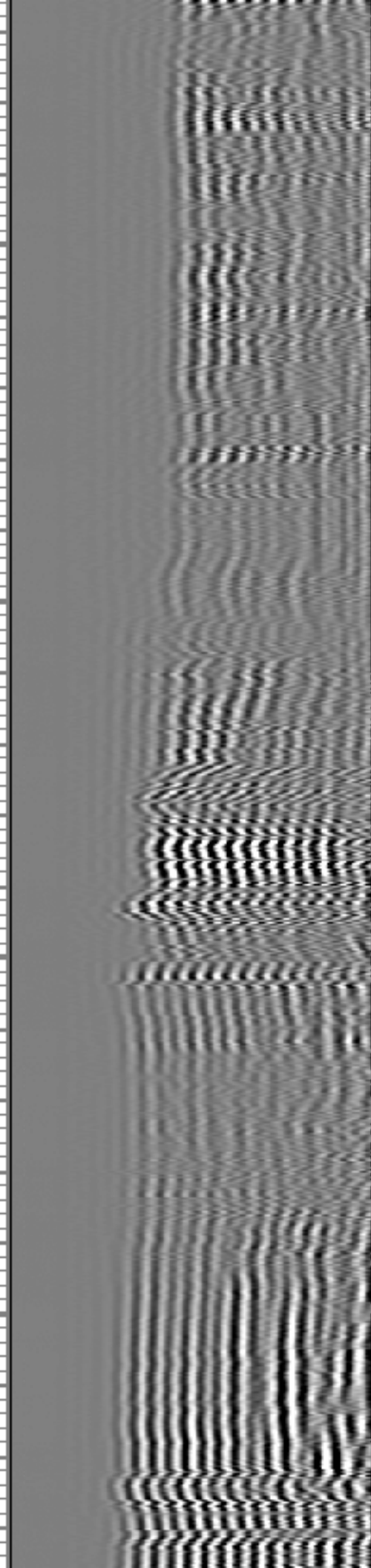
← CCL

← LTEN

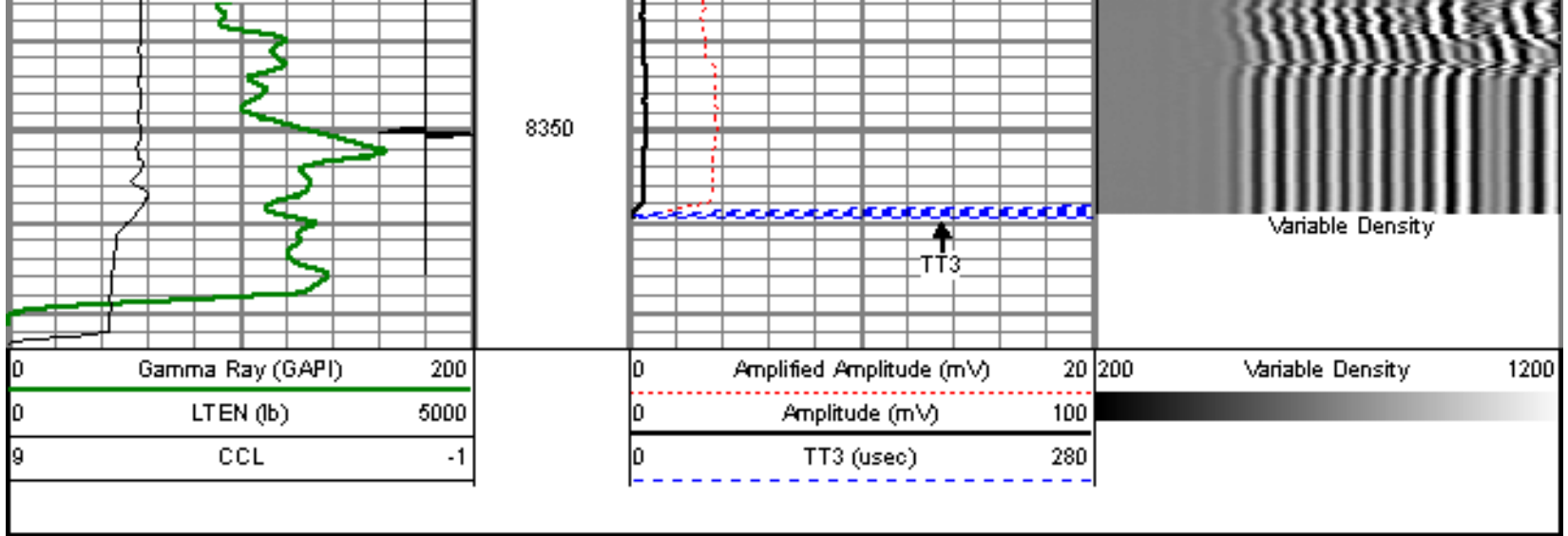



← 3' Amplitude


← Amplified Amplitude








Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			titan	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer	2.88	2.75	10.00
WVF3	14.54		CBL-Probe (DCBL_PRB_275_01) Probe 275" Dial Receiver Bond	8.77	2.75	60.00
WVF5	13.54					
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL	6.50					

GR	3.77		GR-Probe (GRCCL_PRB_275_01) Probe 2.75" 4 Channel Probe	4.54	2.75	30.00
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_01) Post blue probe Temp tool	12.88	1.38	15.00
Dataset: puritan 4-6-34.db: field/well/run1/pass12OH Total Length: 22.96 ft Total Weight: 126.50 lb O.D.: 2.75 in						

	Company	ENCANA OIL & GAS (USA) INC
	Well	PURITAN 4-6-34
	Field	WATTENBERG
	County	WELD
	State	COLORADO