

CEMENT BOND LOG



Mesa Wireline

Company		ENCANA OIL & GAS (USA) INC.	
Well		STATE 23-16	
Field		WATTENBERG	
County		WELD	
State		COLORADO	
Location:		API # : 05-123-36806-0000	
Well		STATE 23-16	
Field		WATTENBERG	
County		WELD	
State		COLORADO	
SHL: SENW 2441' FNL & 1461' FWL		Other Services	
LAT: 40.226410, LONG: -105.012120		NONE	
SEC: 16 TWP: 3N RGE: 68E		Elevation	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING = 13'	
Drilling Measured From		KELLY BUSHING	
		K.B. 5086'	
		D.F. 5085'	
		G.L. 5073'	

Date	13 APRIL 2013						
Run Number	ONE						
Depth Driller	8028'						
Depth Logger	7987'						
Bottom Logged Interval	7987'						
Top Log Interval	2350'						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	~8.34 LBS/GAL						
Max. Recorded Temp.	240 DegF						
Estimated Cement Top	2660'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	10801W / PBD 01						
Location	AULT. CO						
Recorded By	B. MAYNARICH						
Witnessed By	TOM MAJORS						
Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0	650'	N/A			
TWO	7.875"	0	8028'				
Casing Record	Size	Wd/Ft	Top	Bottom			
Surface String	8.625"	24#	0	645'			
Prot. String							
Production String	4.5"	11.6#	0	8015'			
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 PLATFORM EXPRESS LOG DATED 8 APRIL 2013.

SHORT JOINT: 7099' - 7119'

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



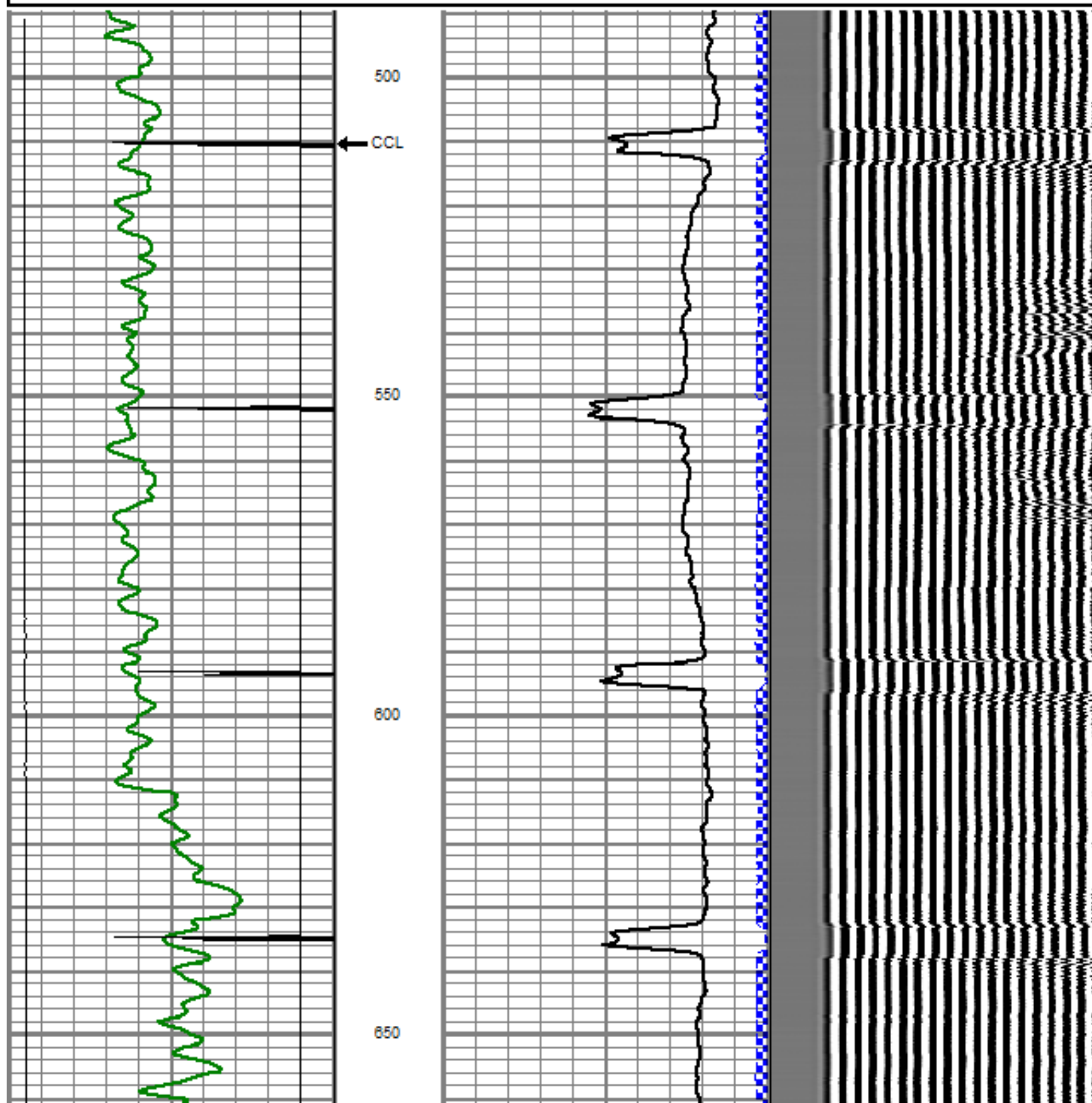
SURFACE CASING PASS

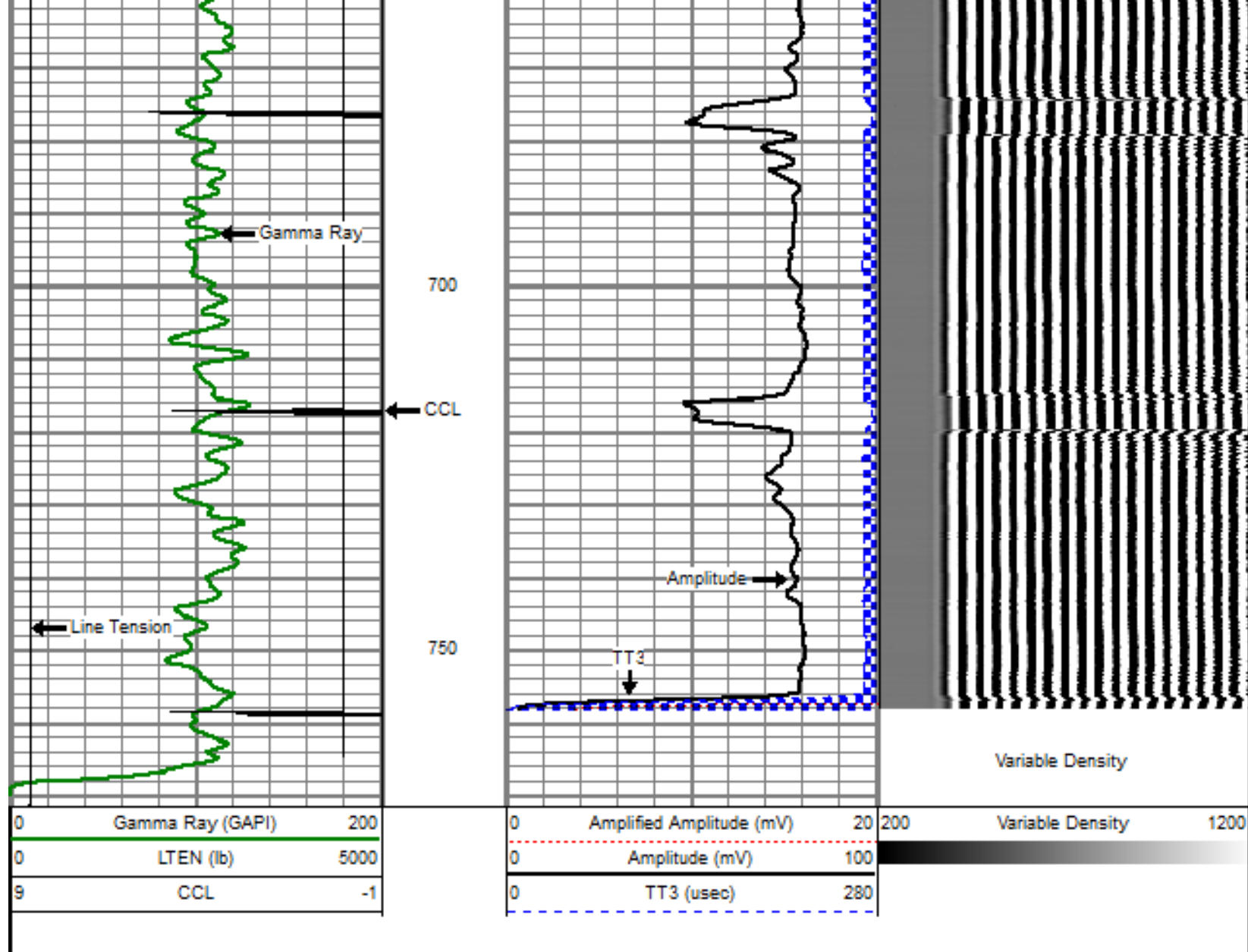
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Dataset Pathname: pass5
Presentation Format: dobl_prb
Dataset Creation: Sat Apr 13 10:39:15 2013 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

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

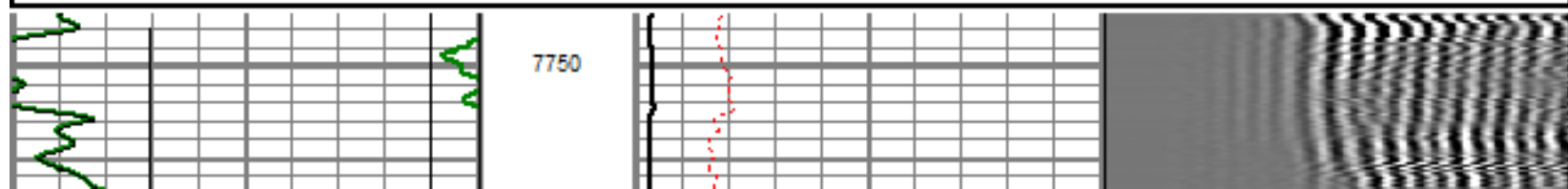
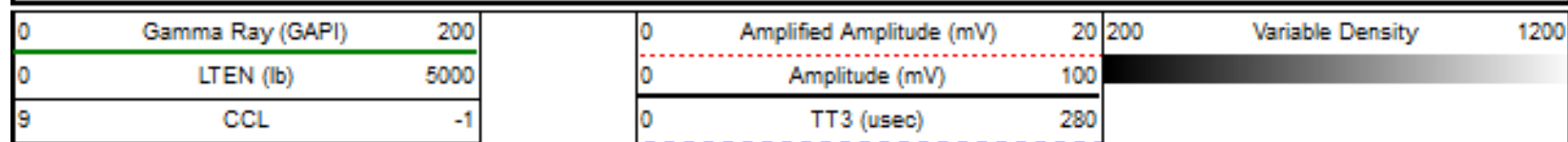


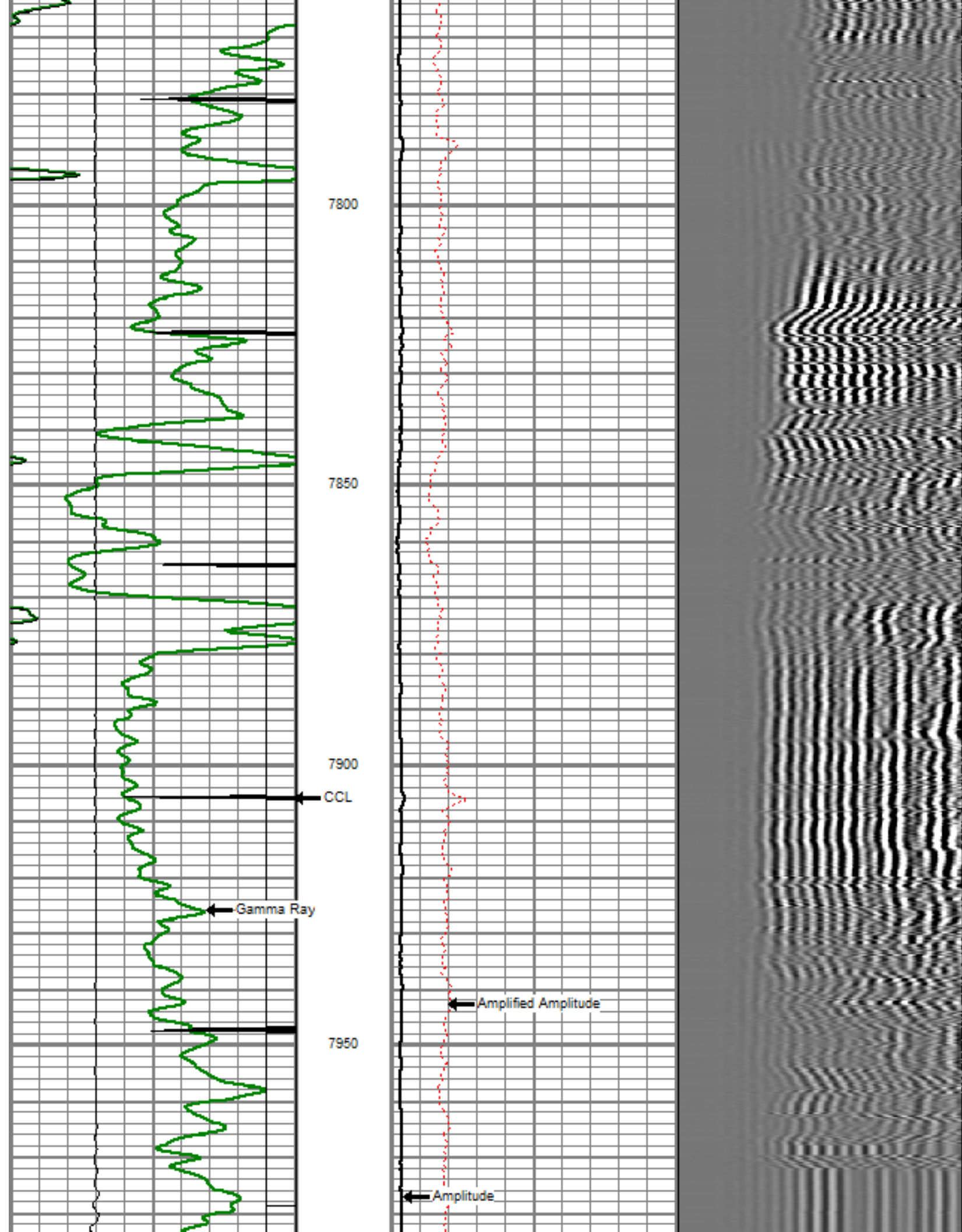


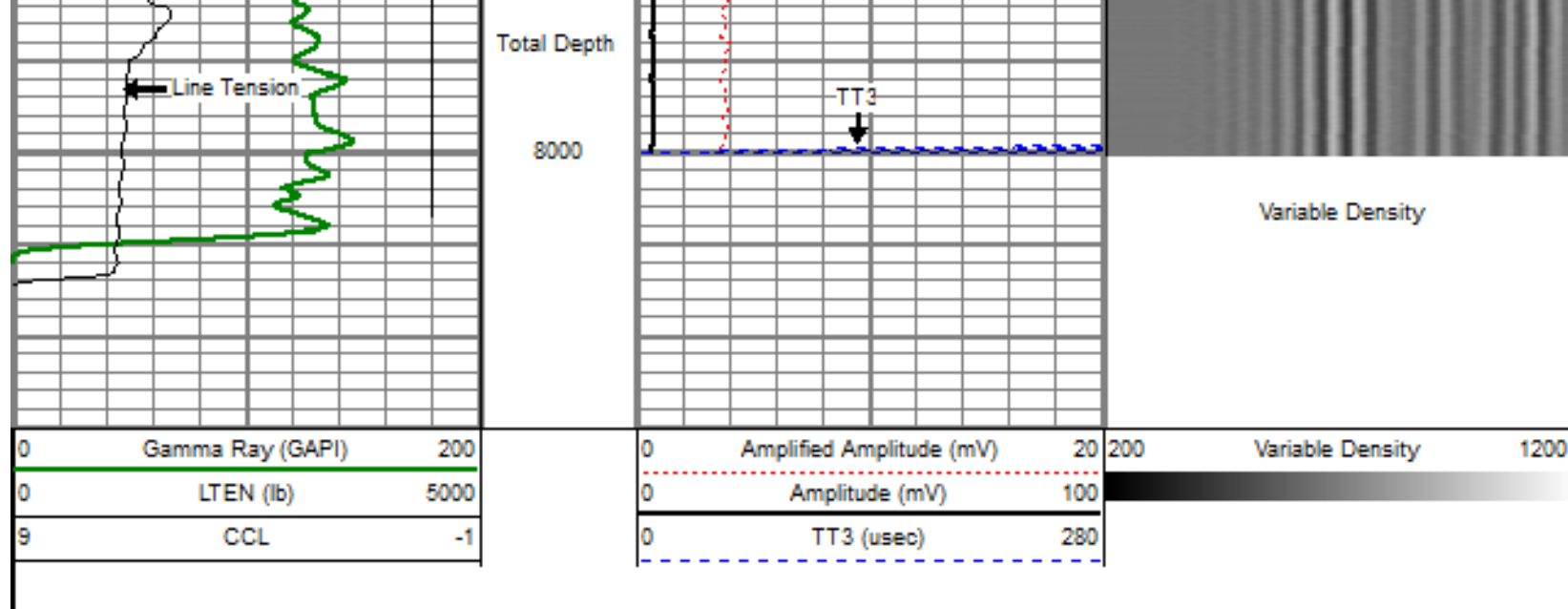
REPEAT PASS

5" = 100'

Database File: state23-16.db
 Dataset Pathname: pass2
 Presentation Format: dobl_prb
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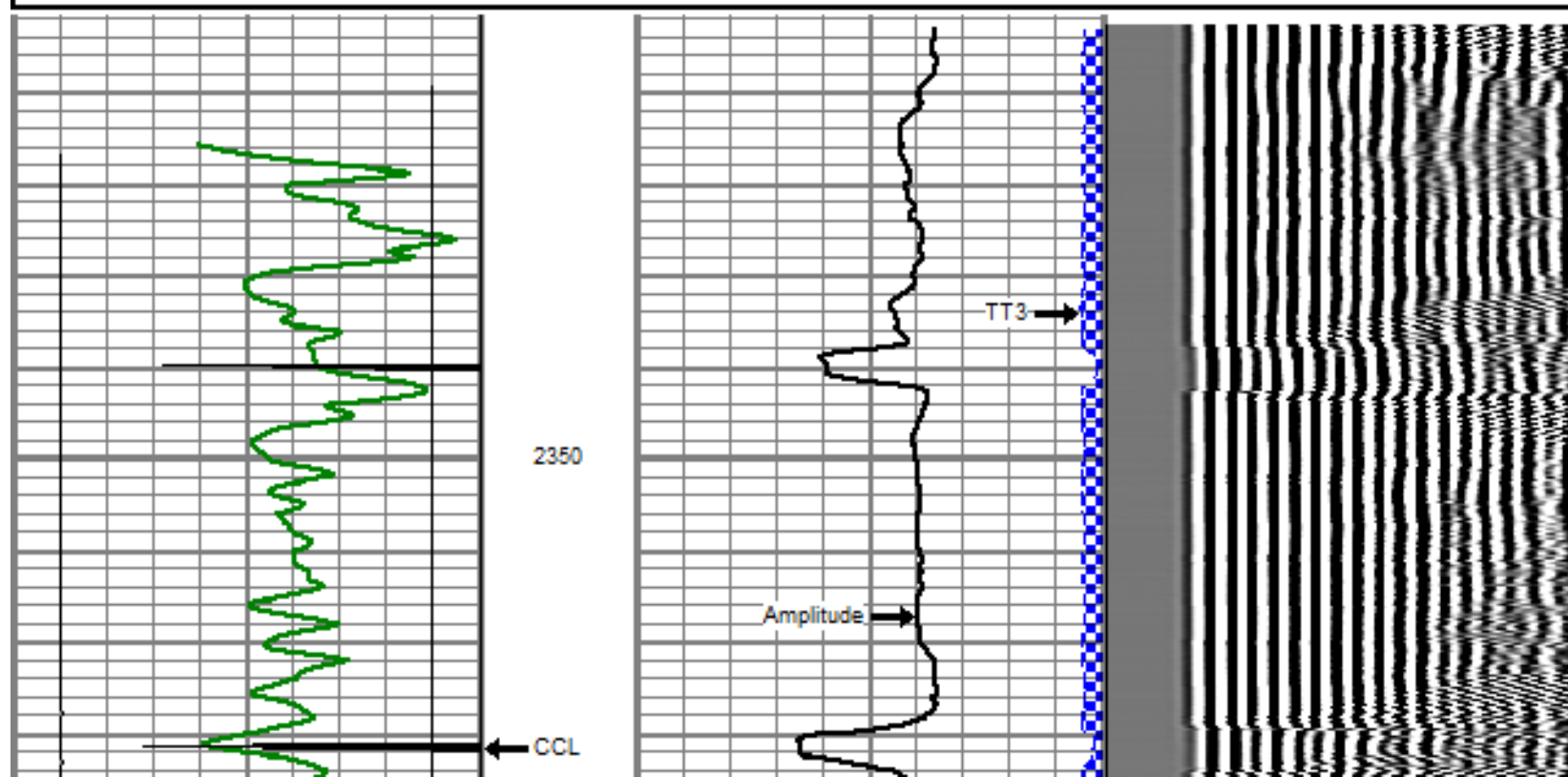
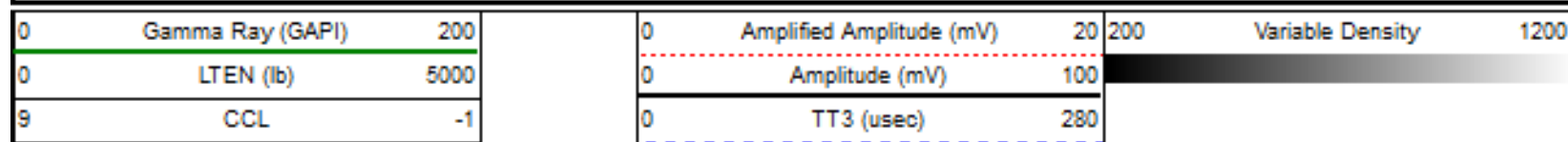


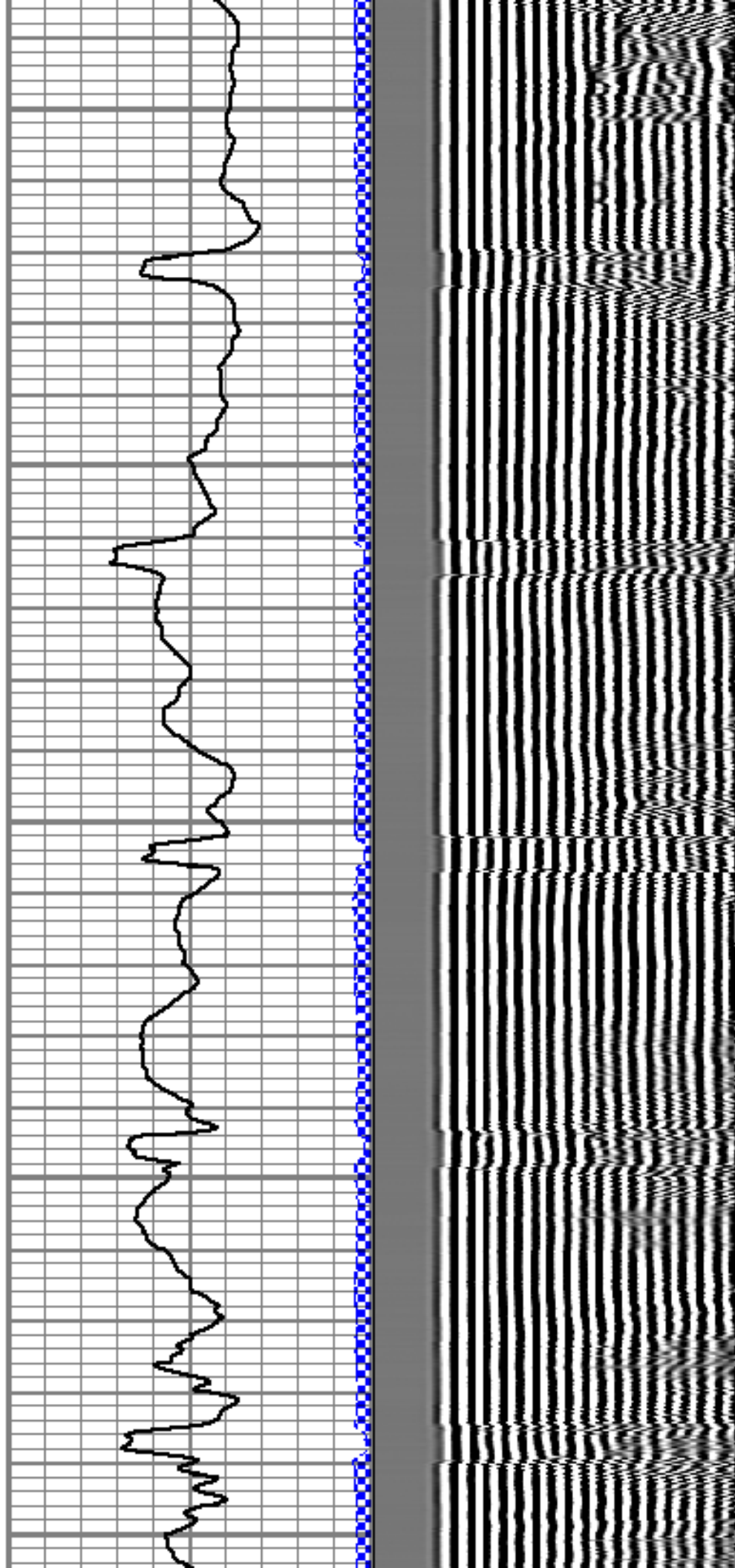
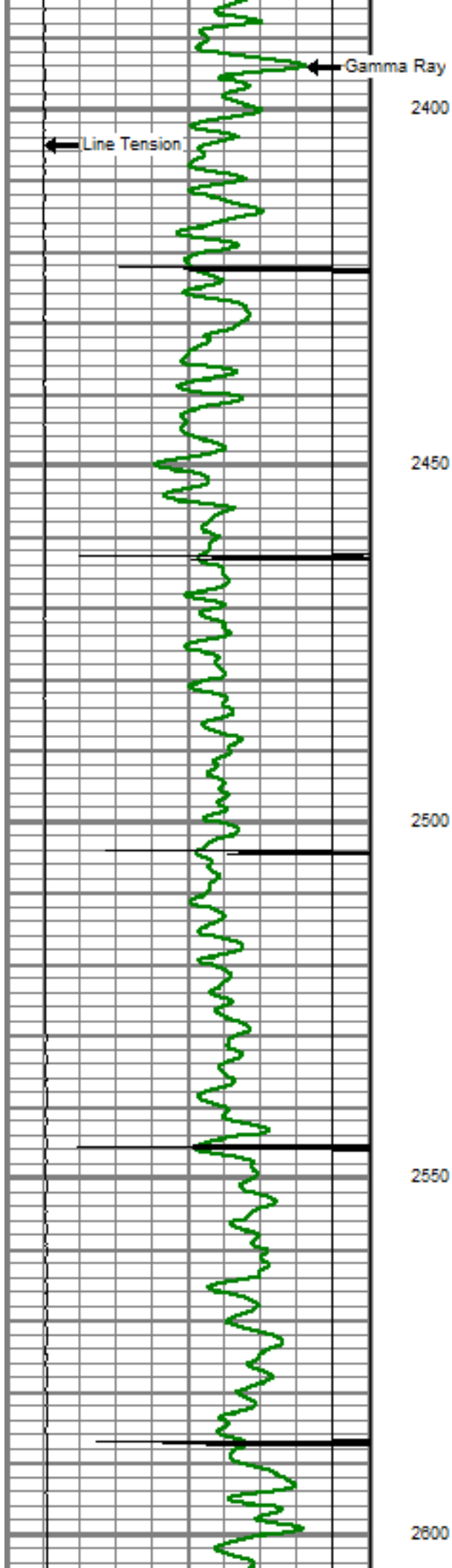


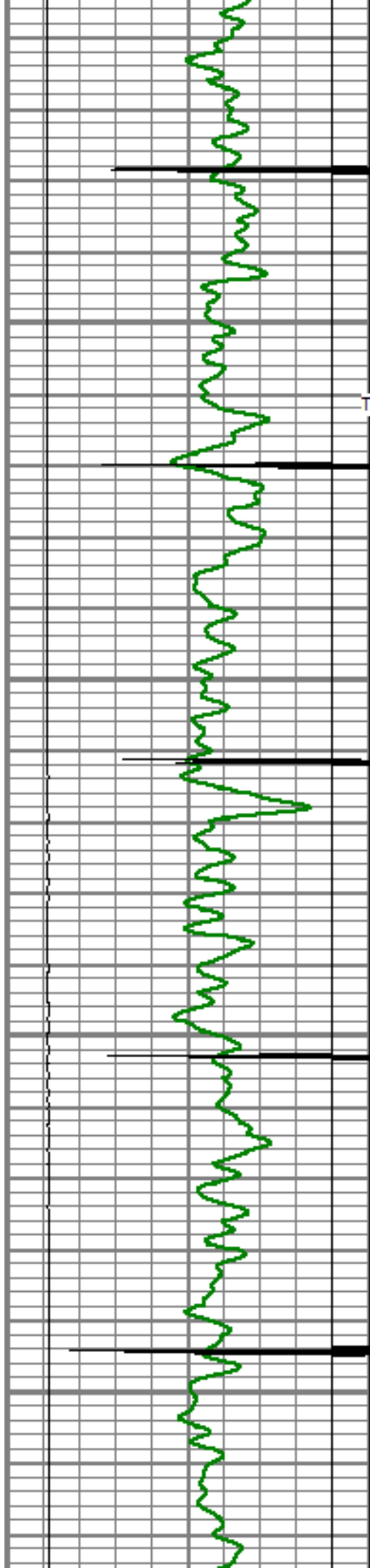
MAIN PASS

5" = 100'

Database File: state23-18.db
 Dataset Pathname: pass4.1OH
 Presentation Format: dobl_prb
 Dataset Creation: Sat Apr 13 10:57:48 2013
 Charted by: Depth in Feet scaled 1:240







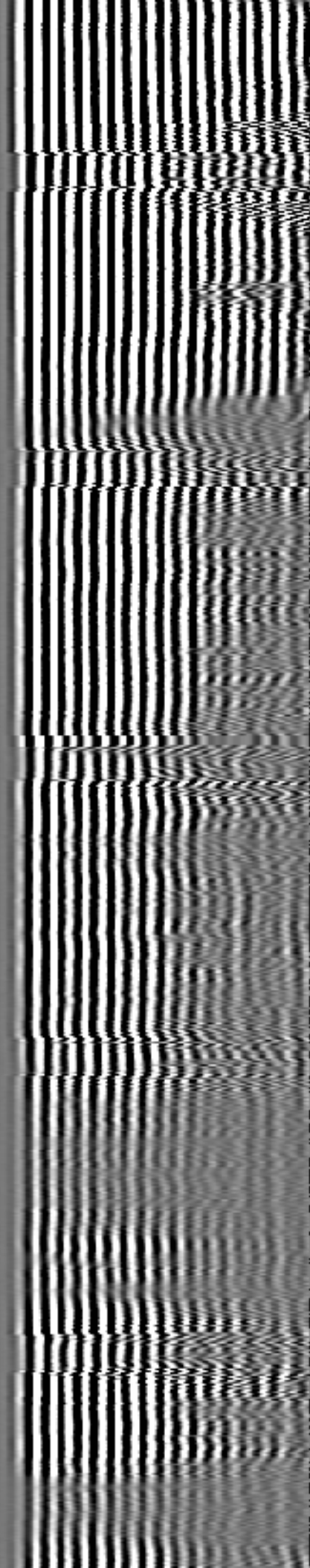
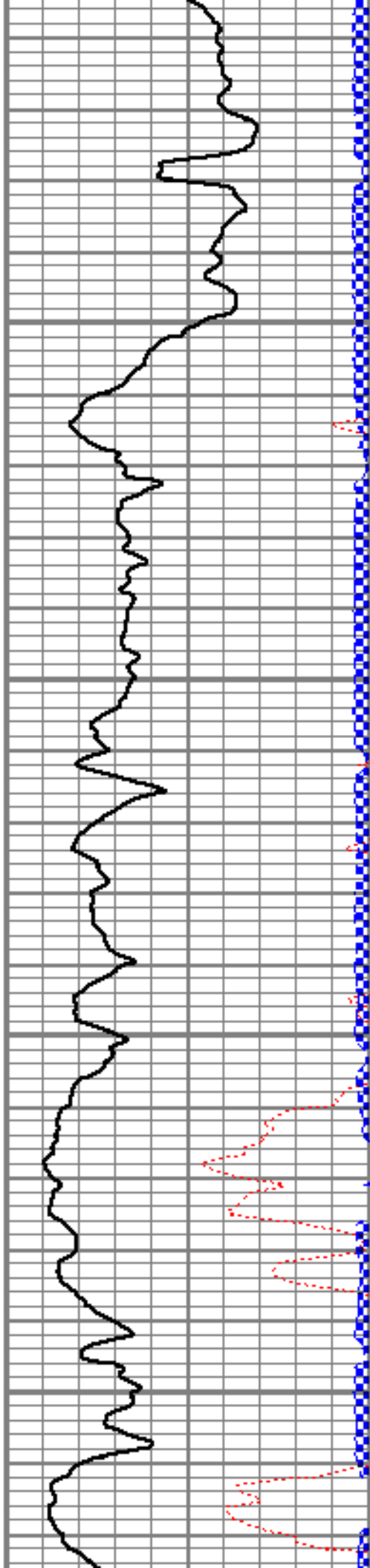
2650

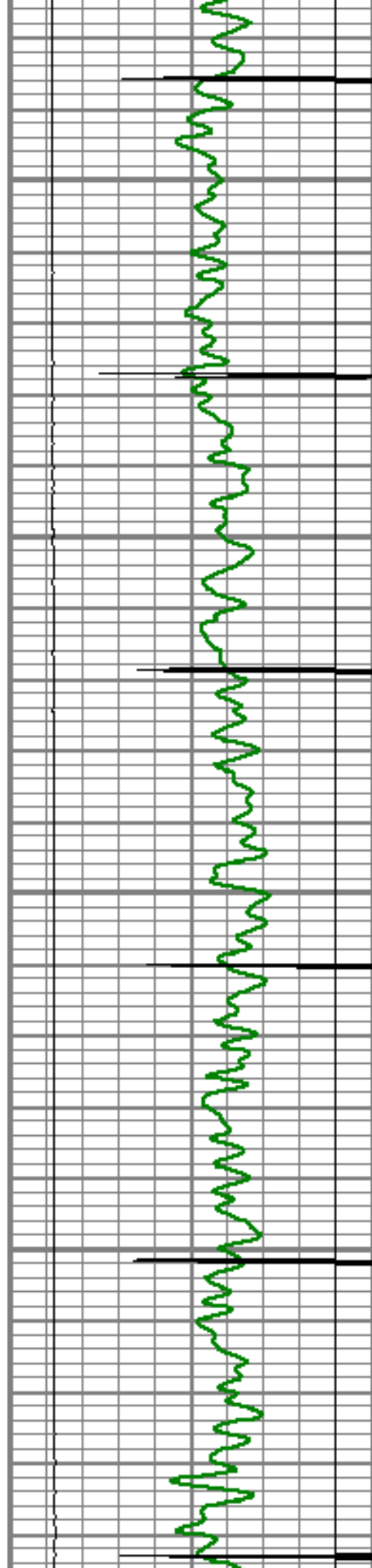
Top of Cement

2700

2750

2800



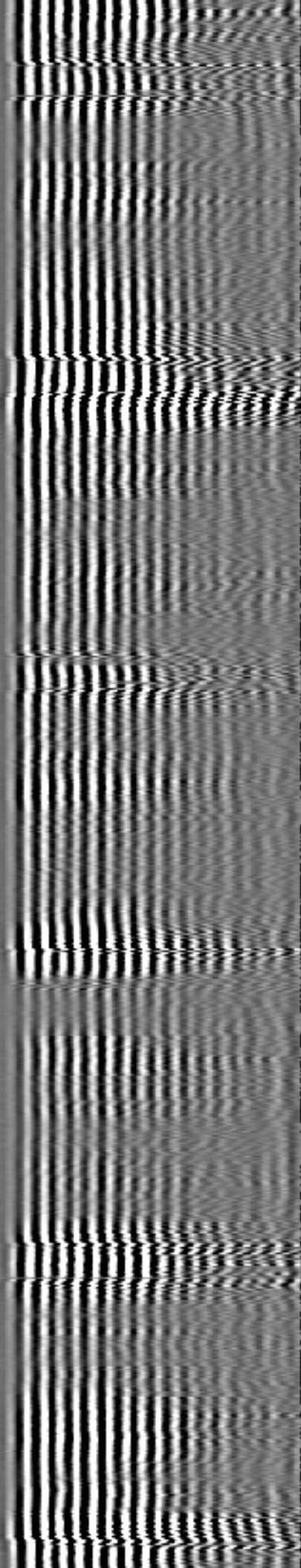
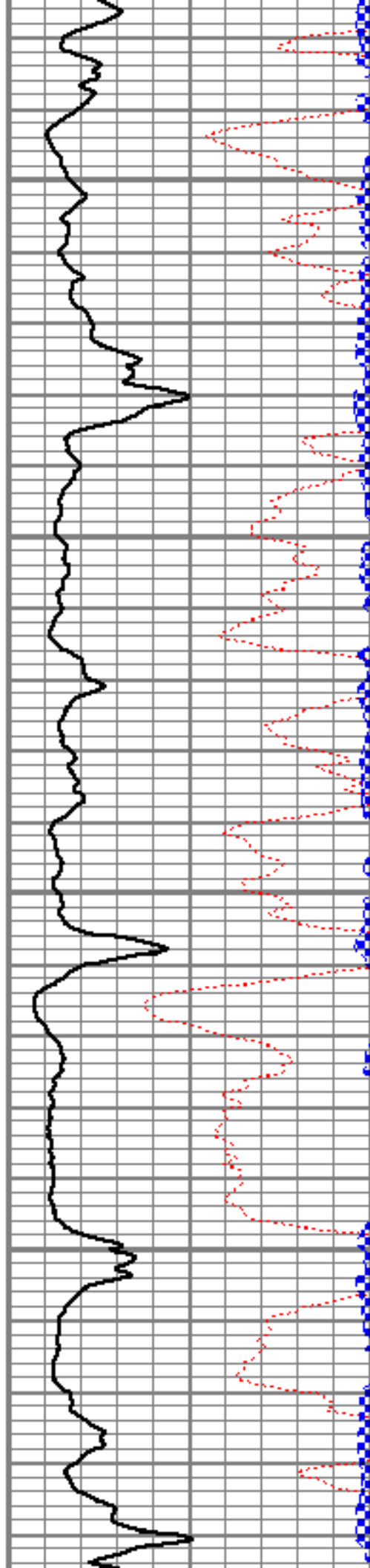


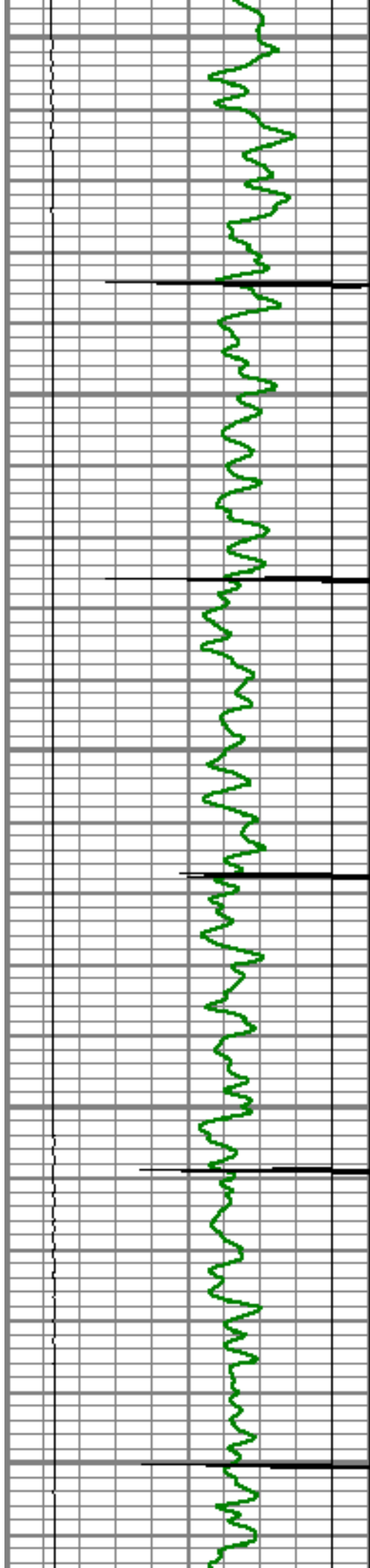
2850

2900

2950

3000





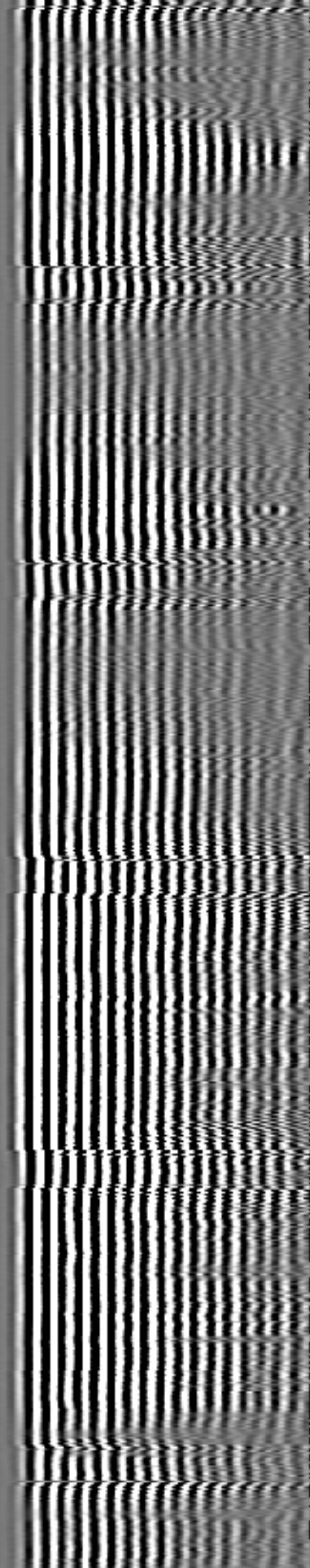
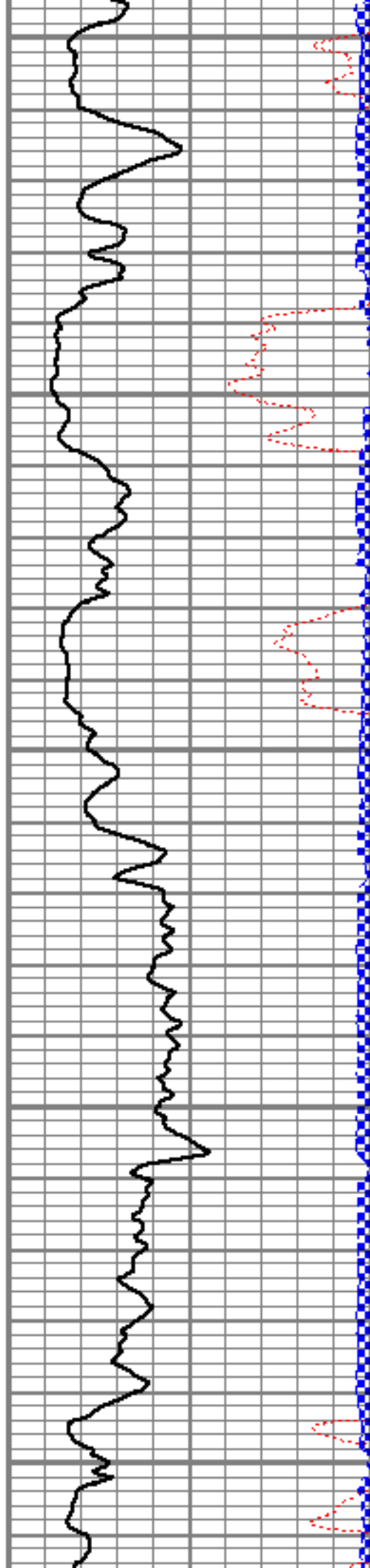
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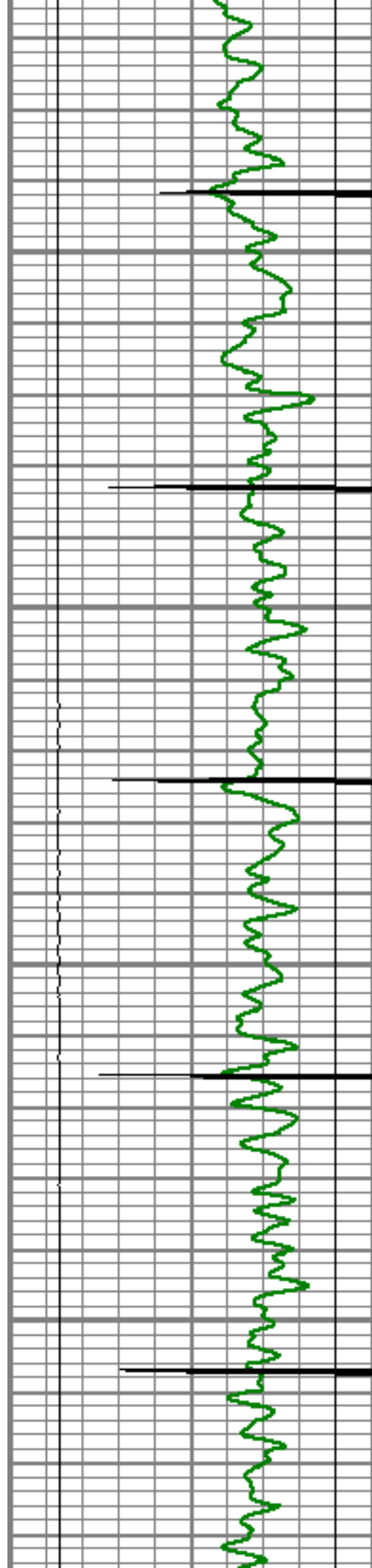
3100

3150

3200

3250



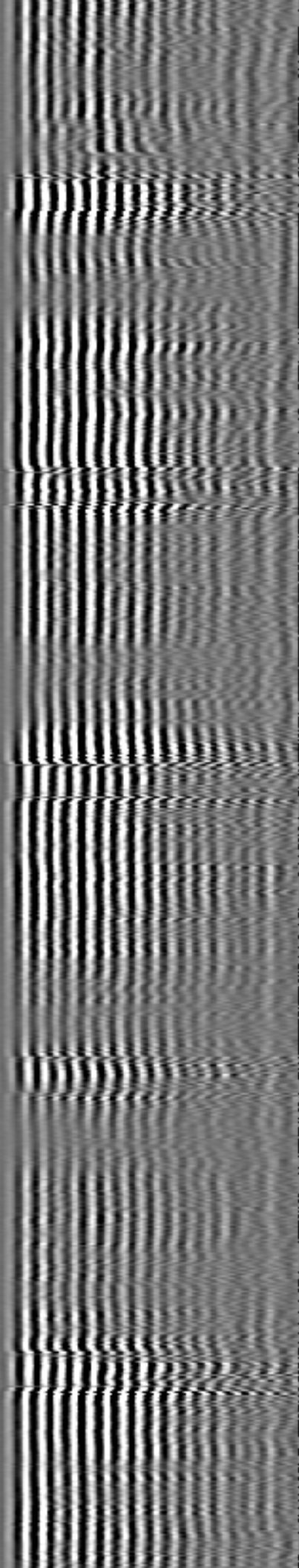
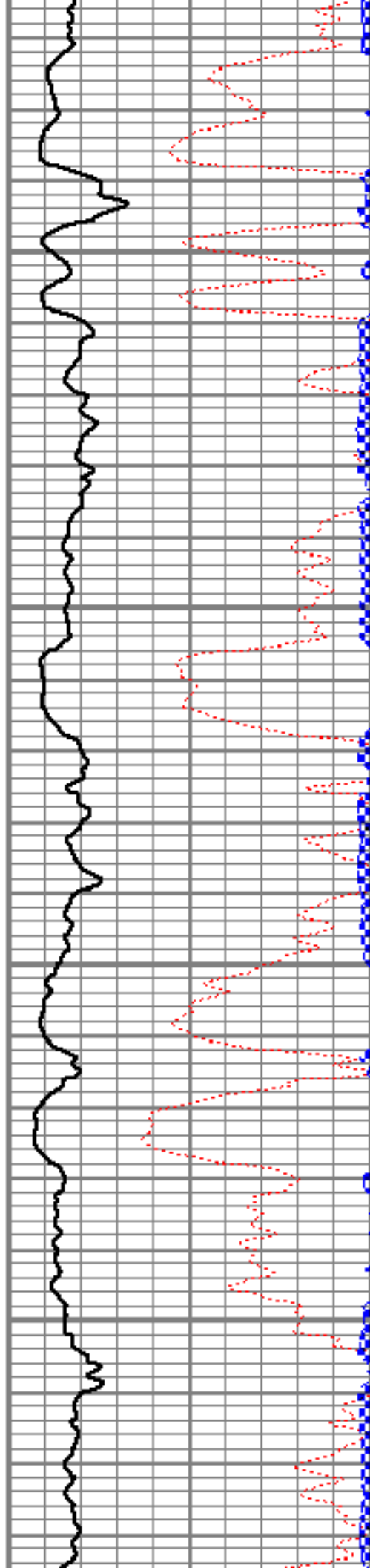


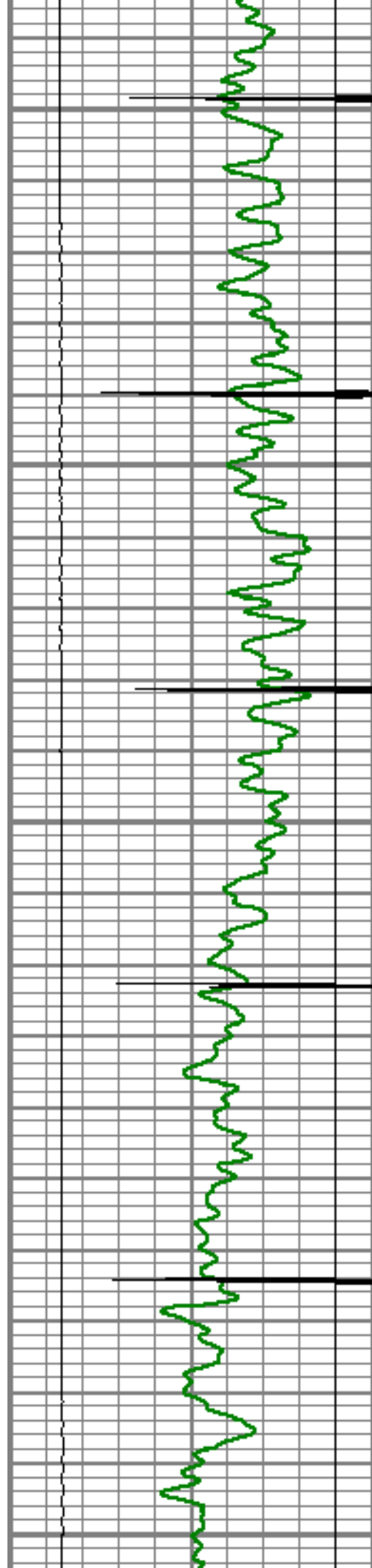
3300

3350

3400

3450





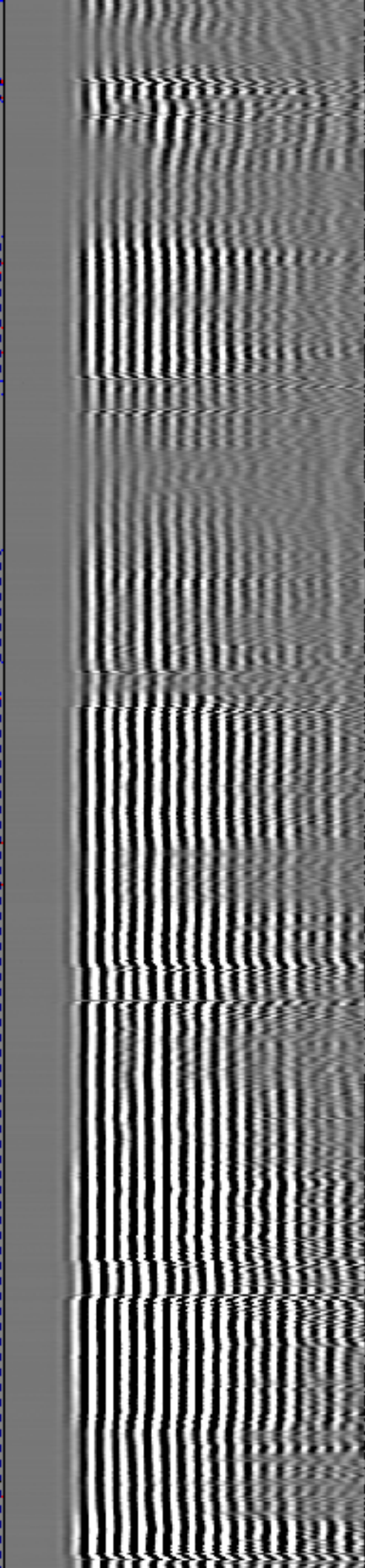
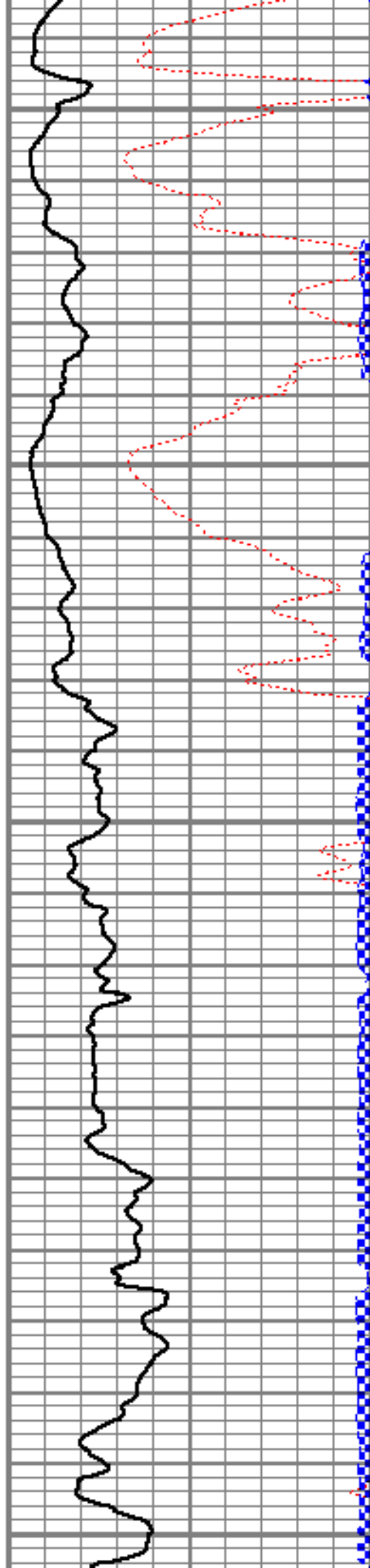
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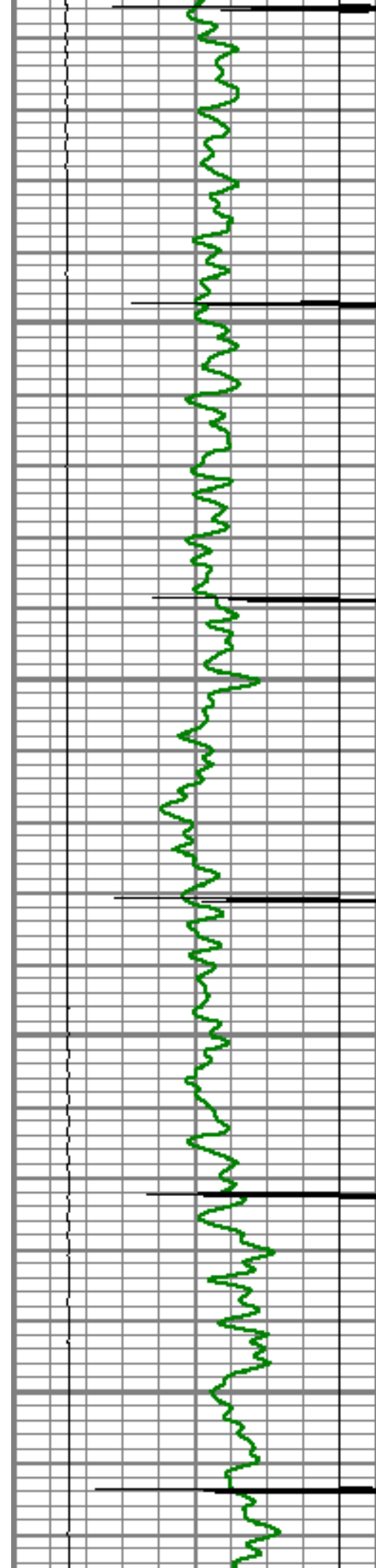
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3600

3650

3700



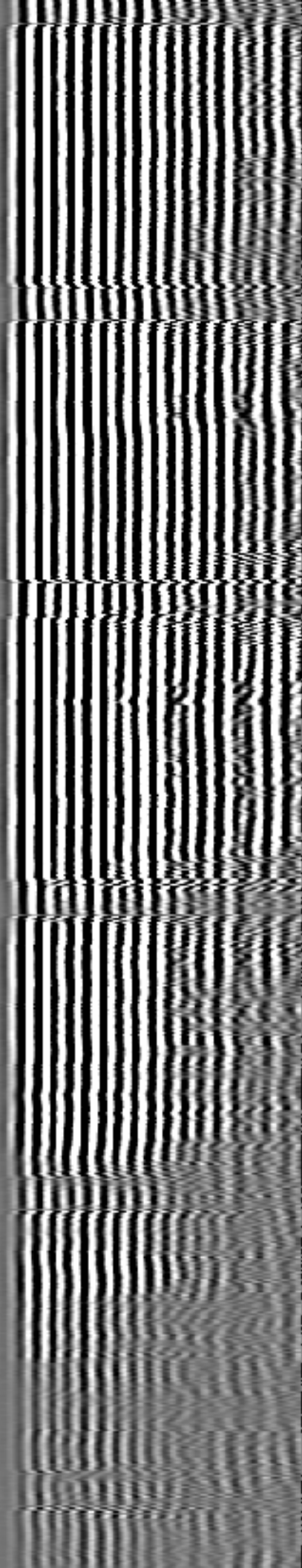
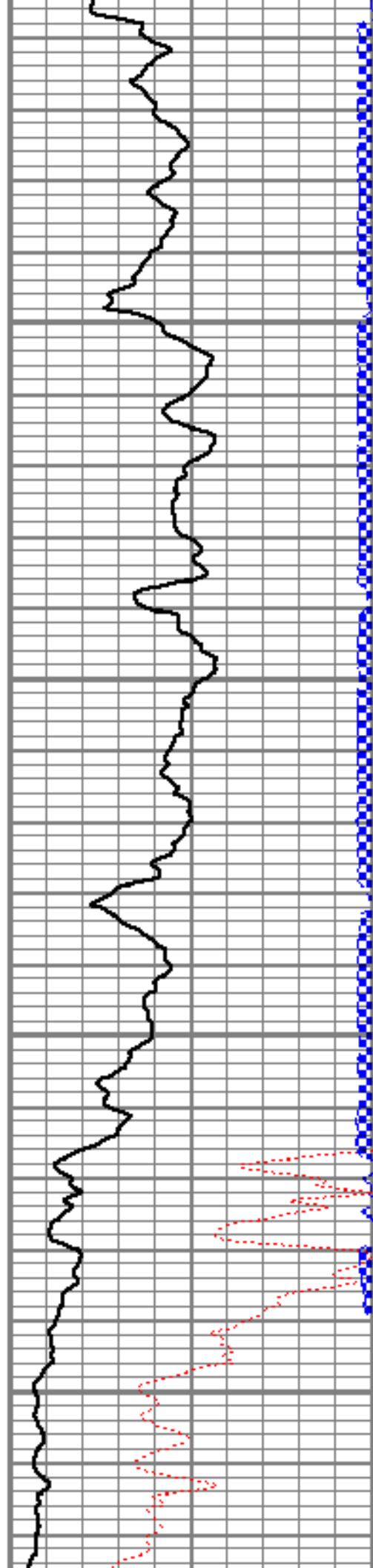


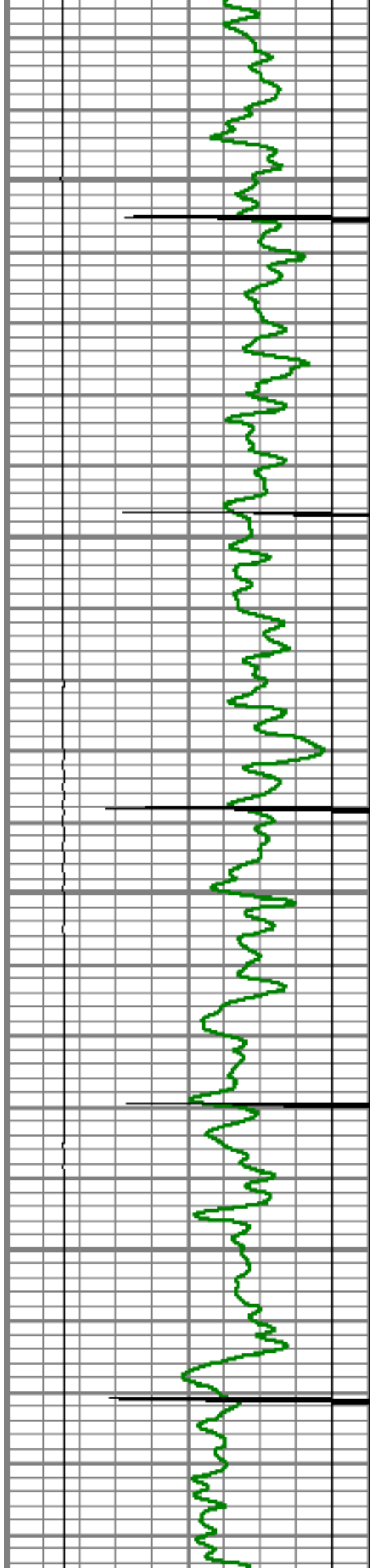
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3800

3850

3900



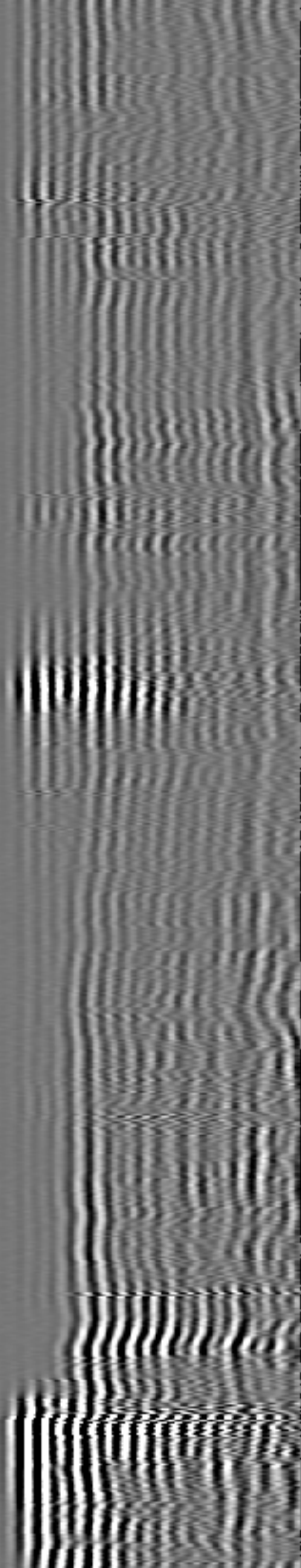
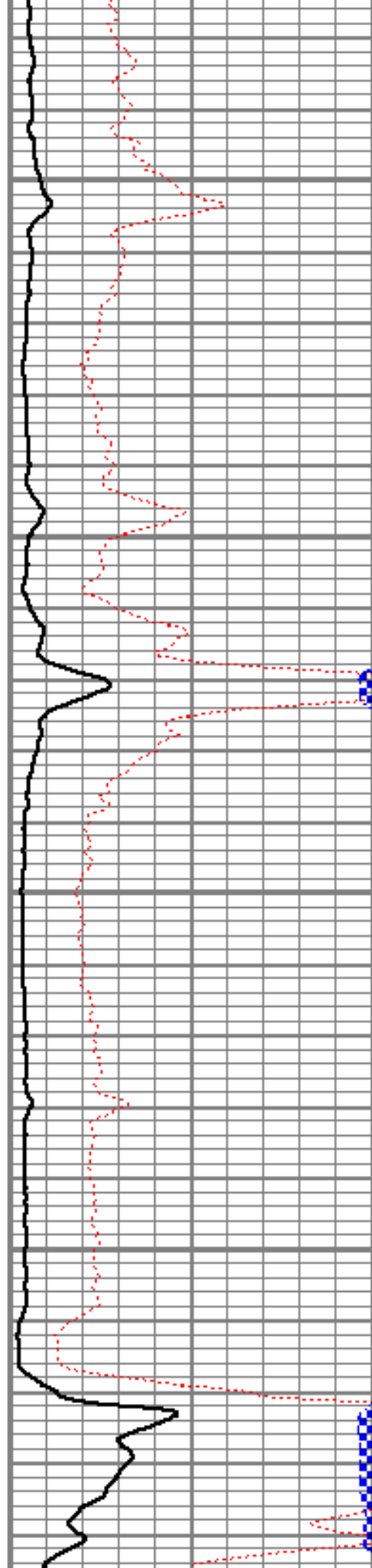


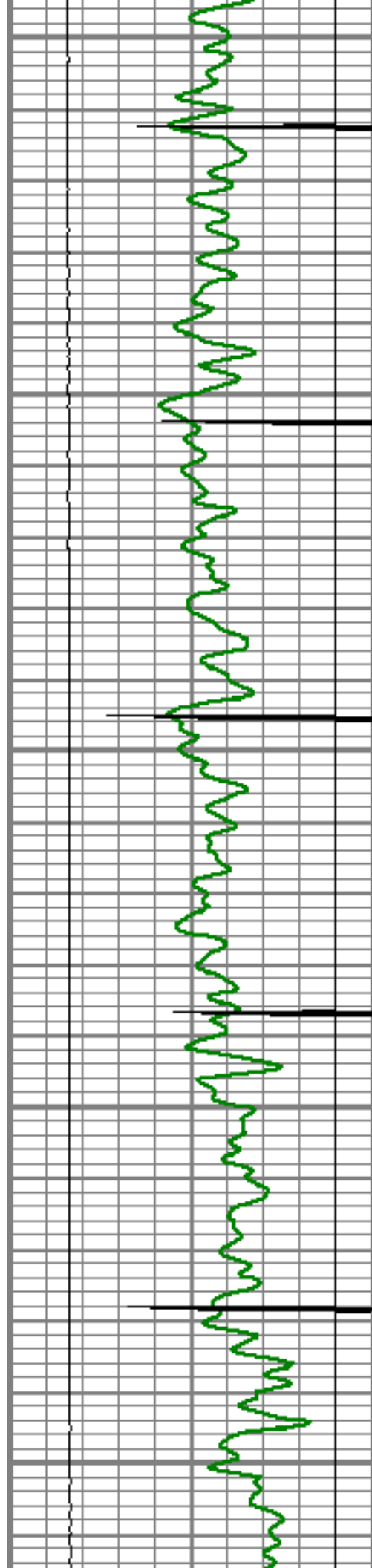
3950

4000

4050

4100





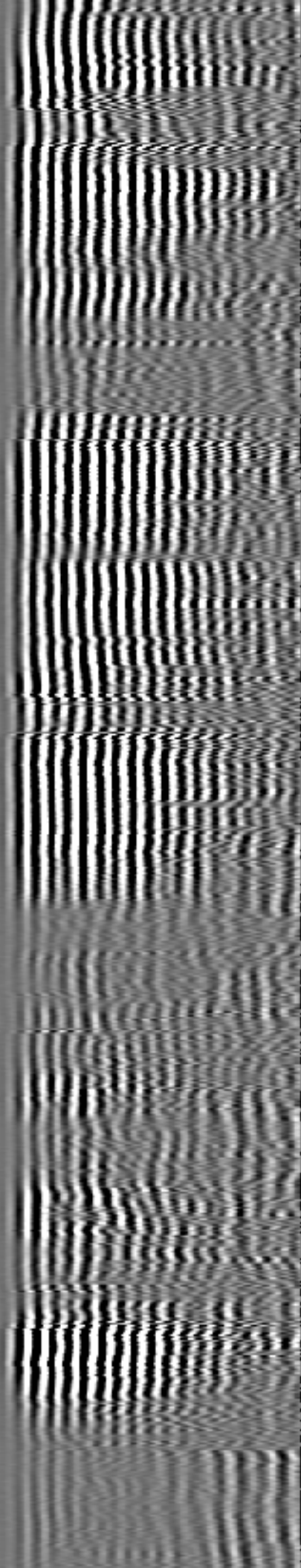
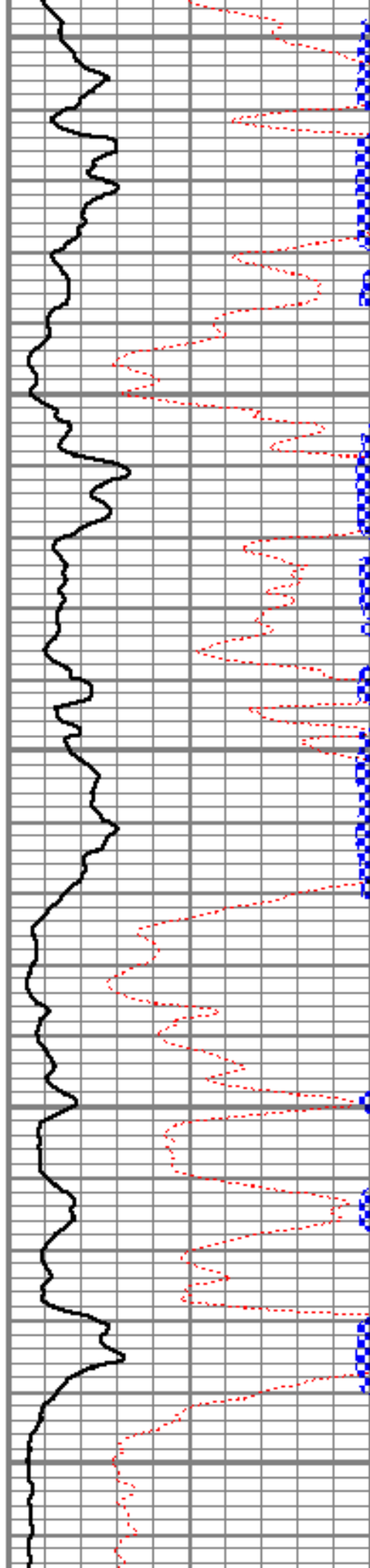
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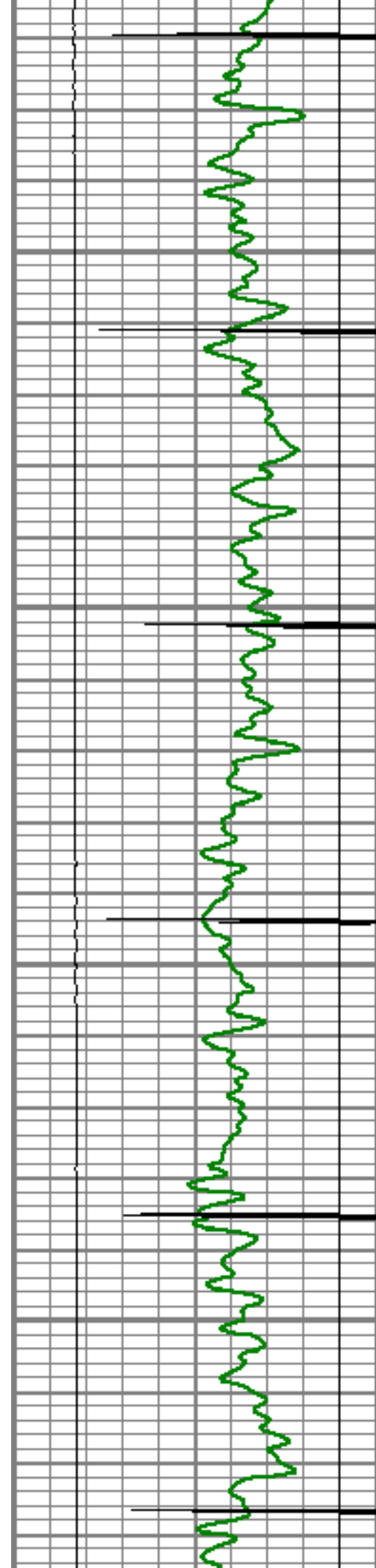
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4250

4300

4350



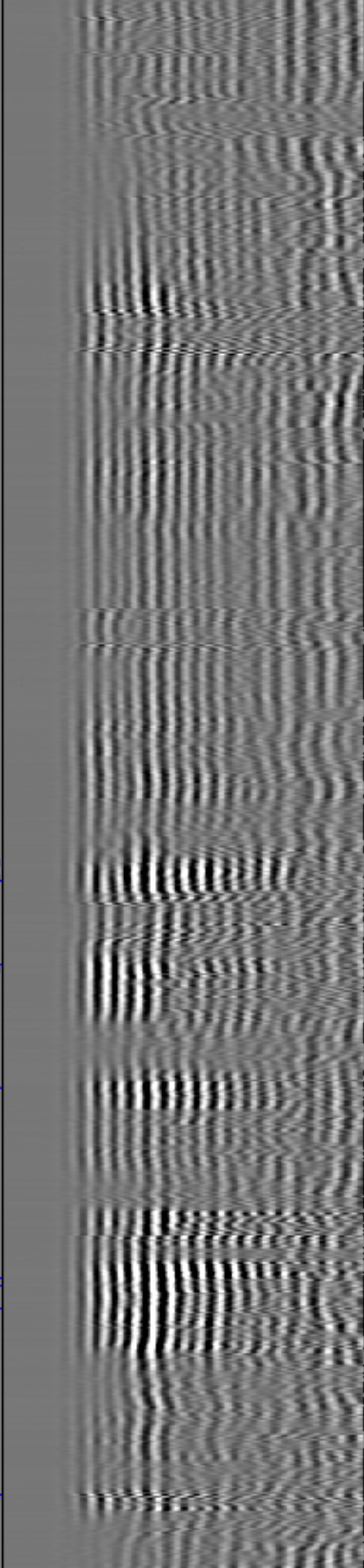
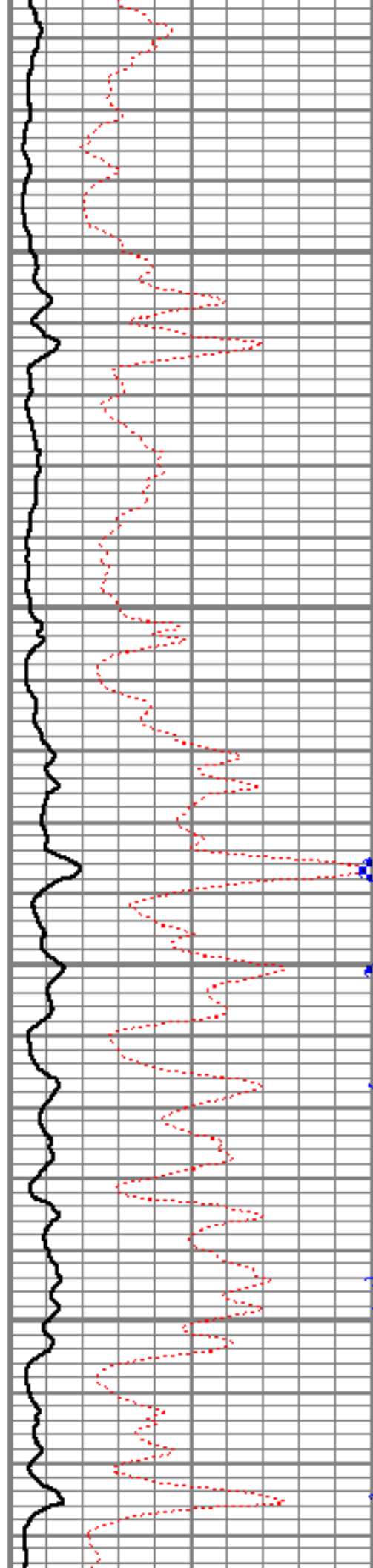


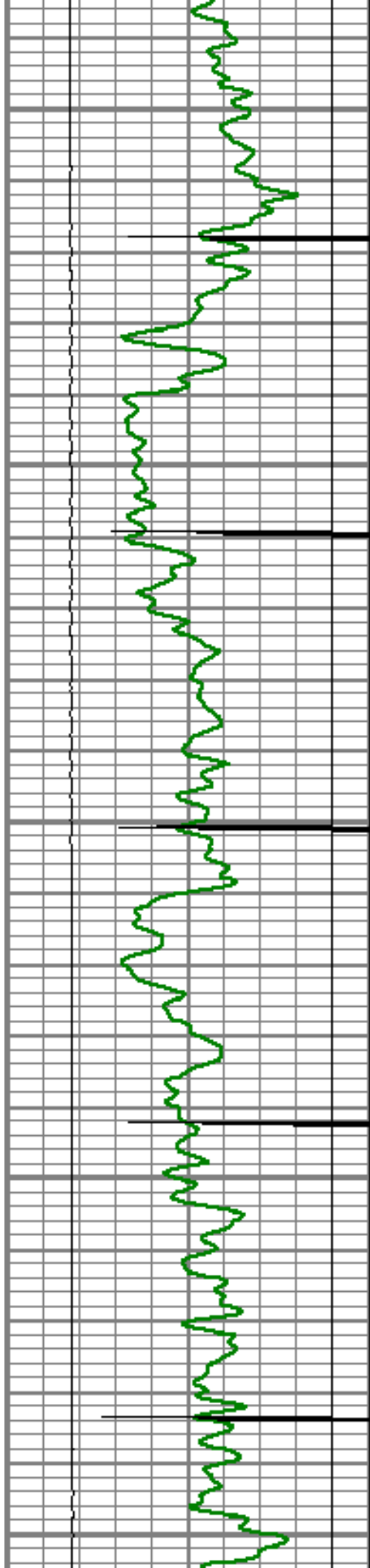
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4500

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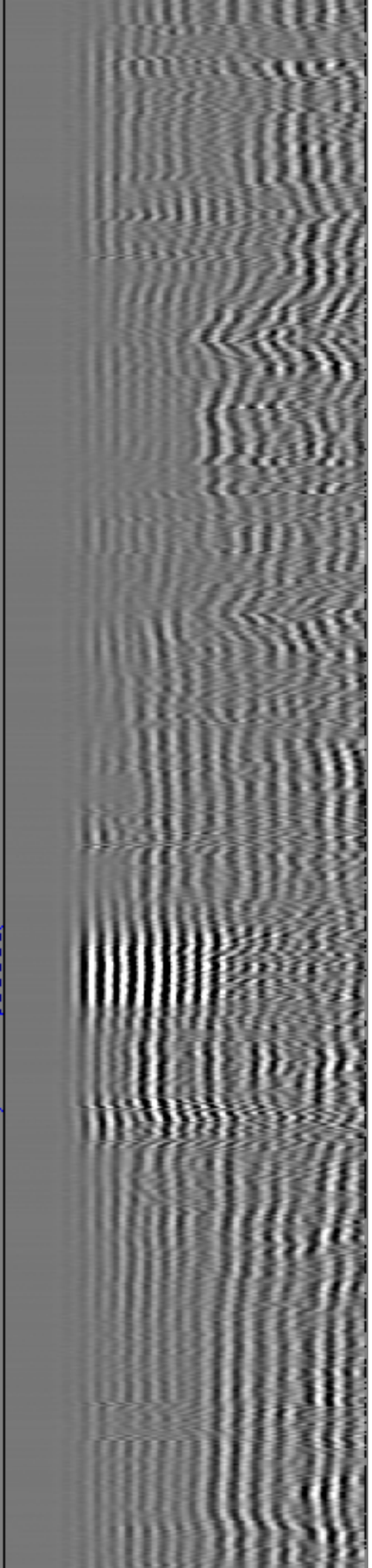
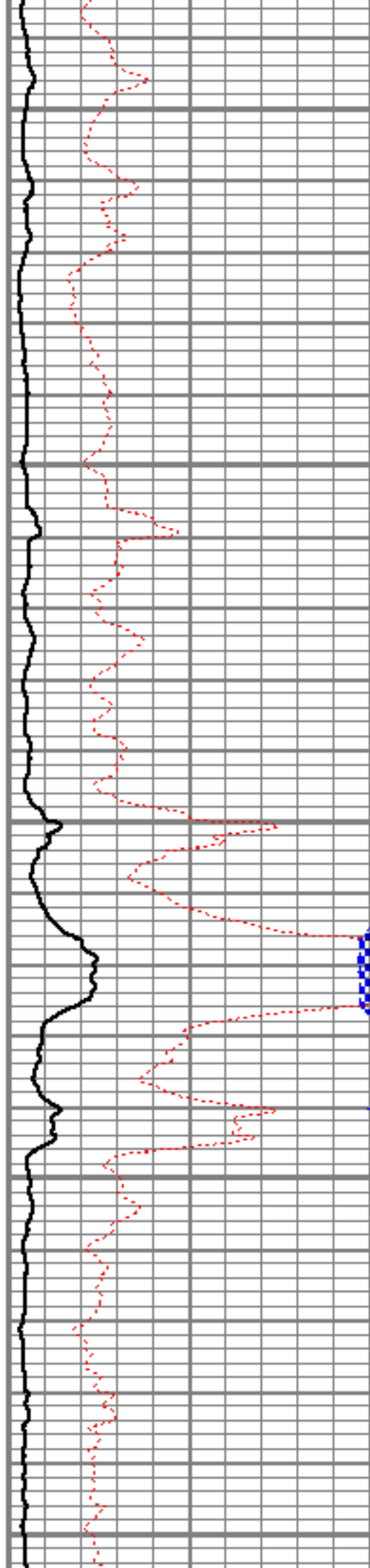
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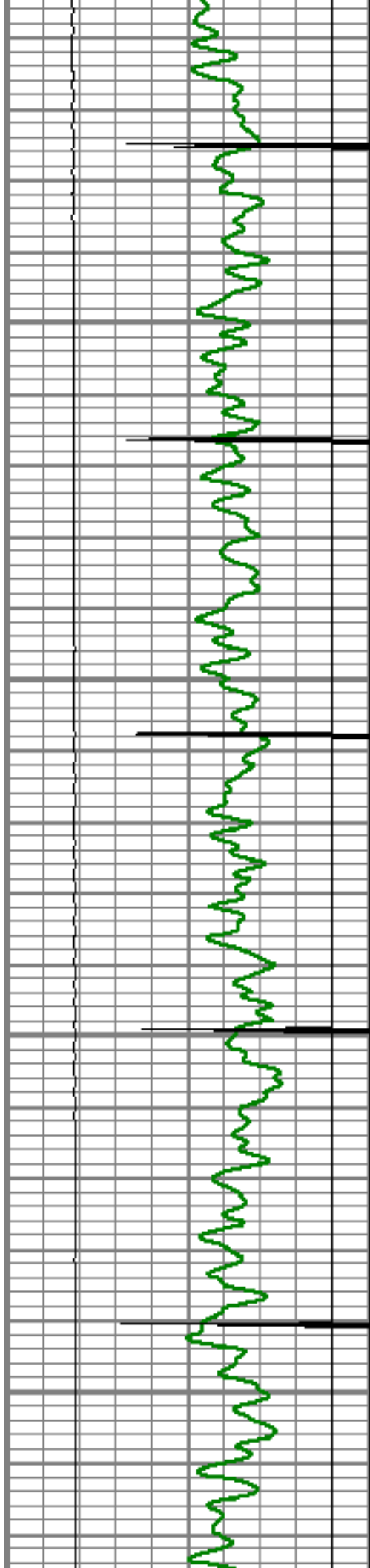
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4800



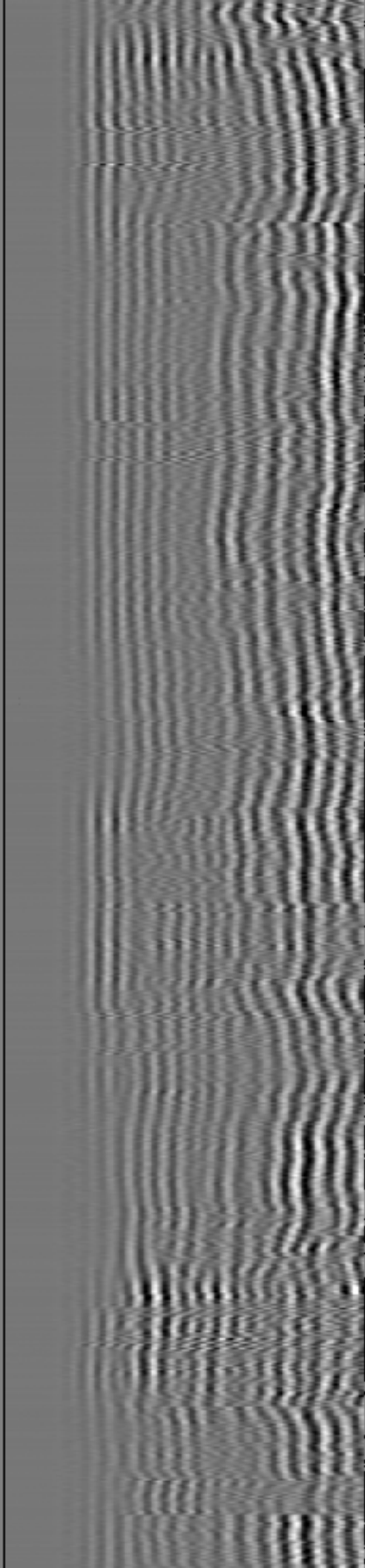
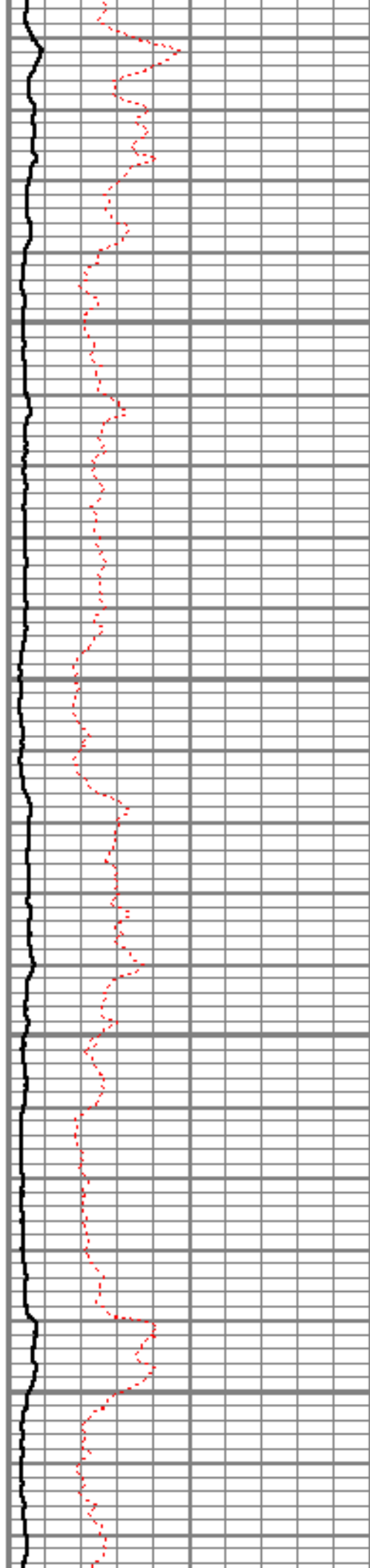


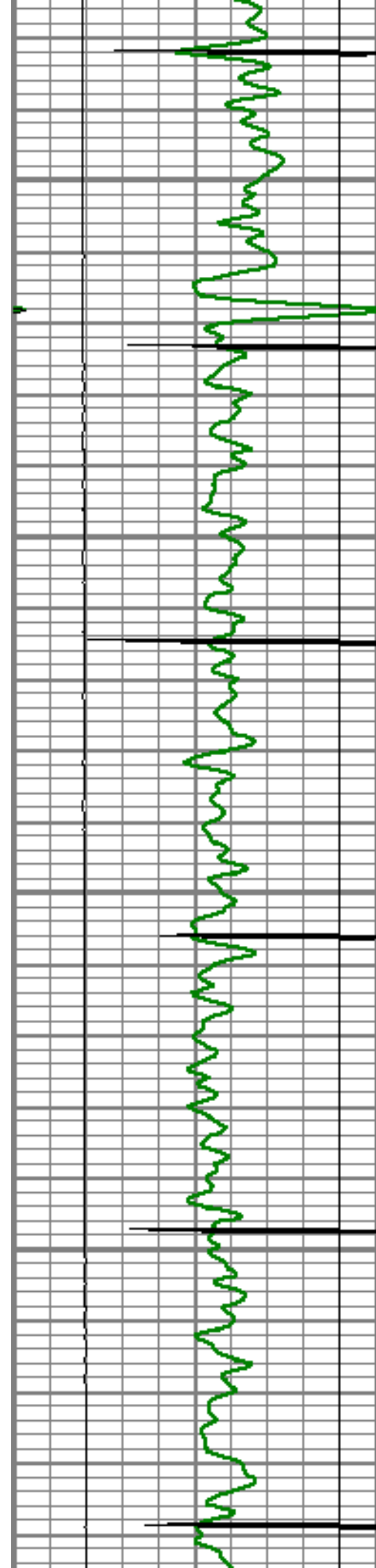
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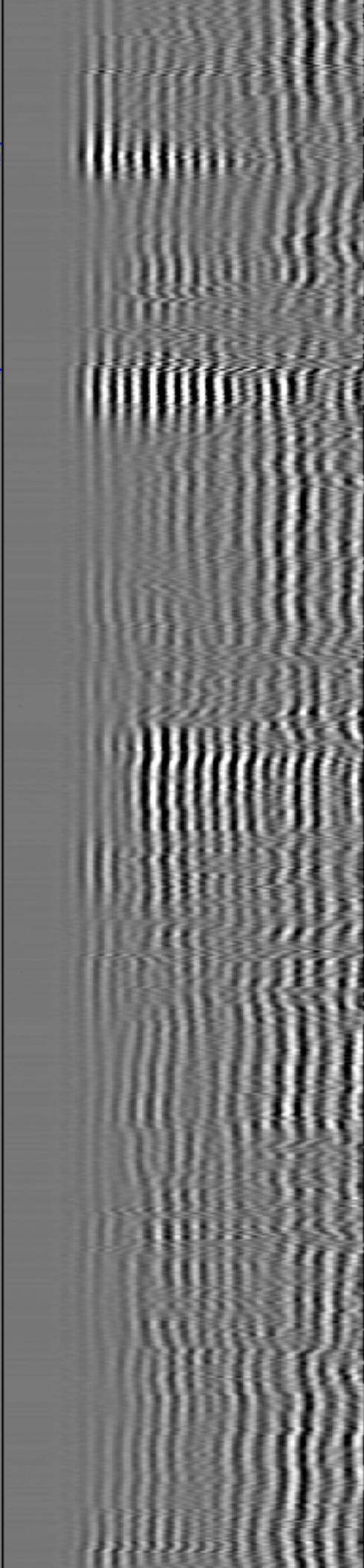
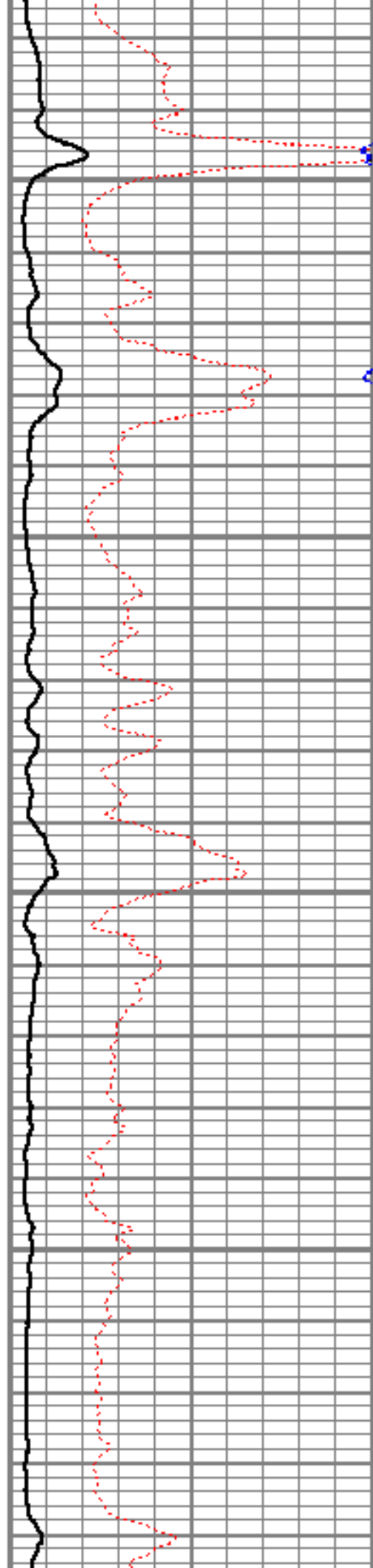


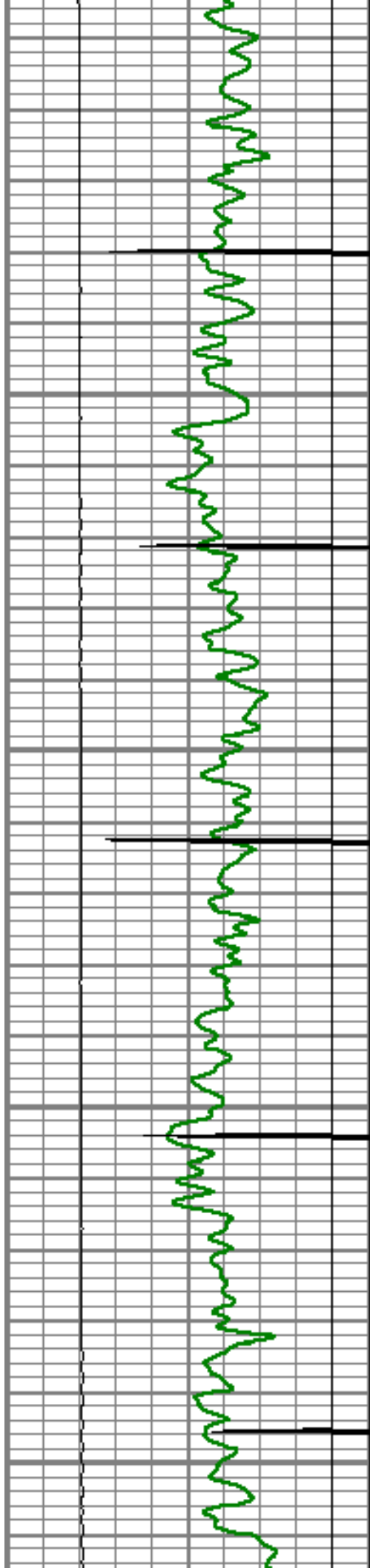
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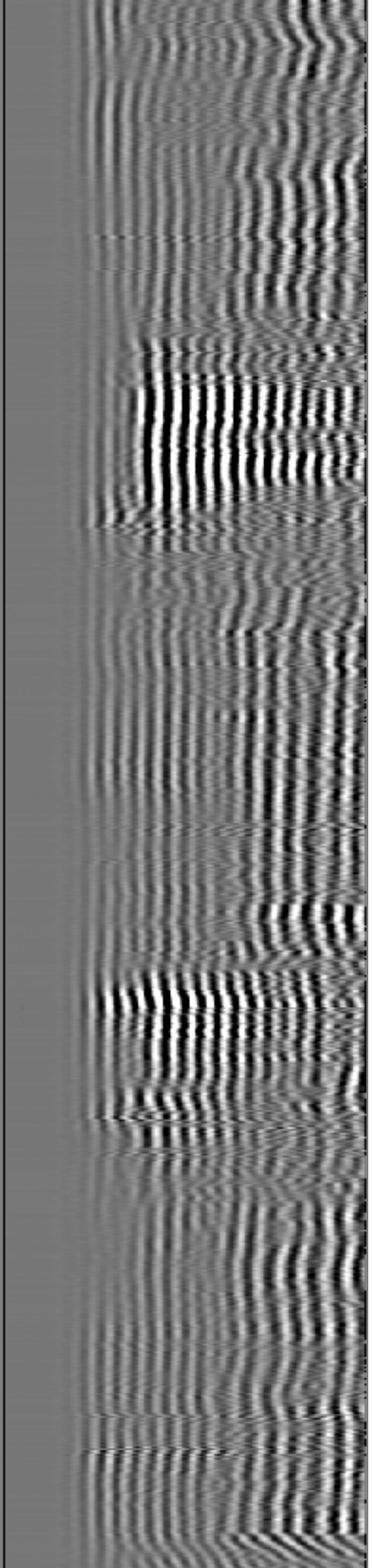
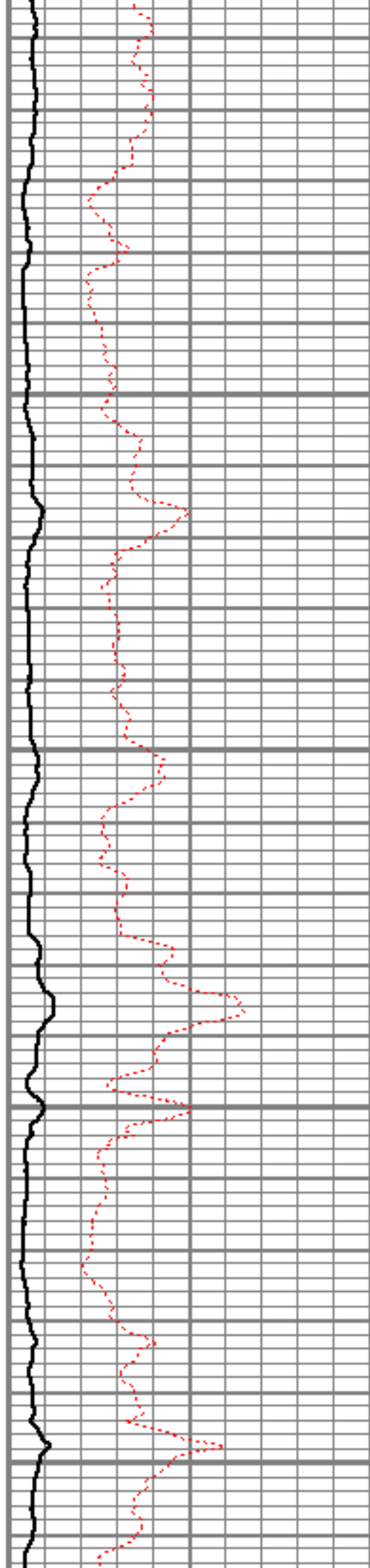
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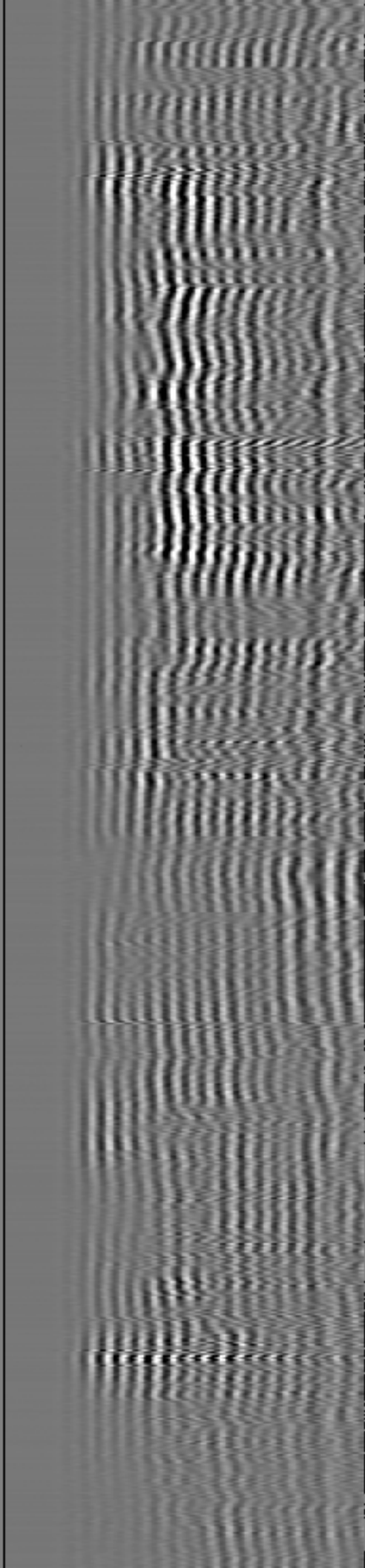
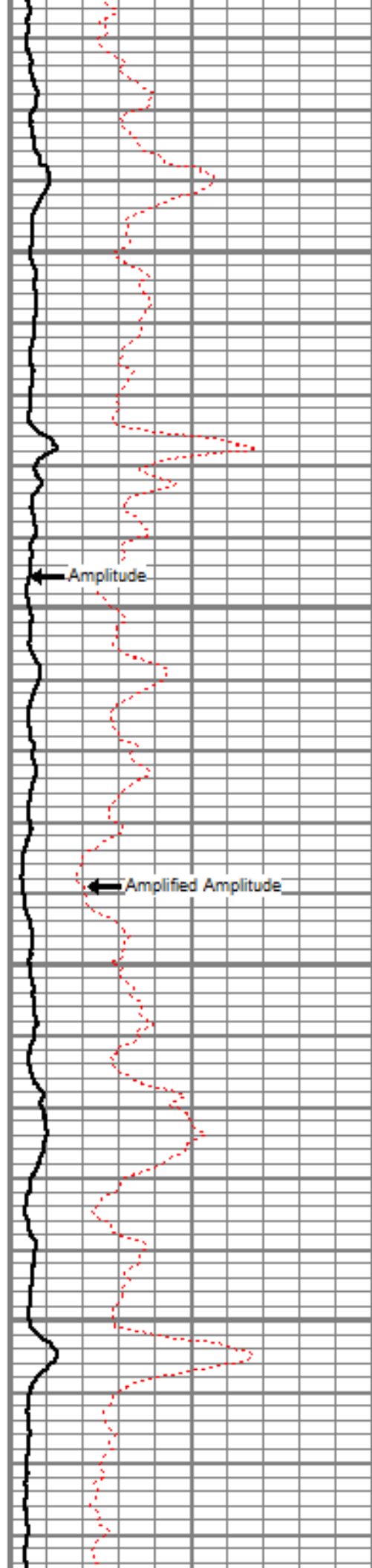
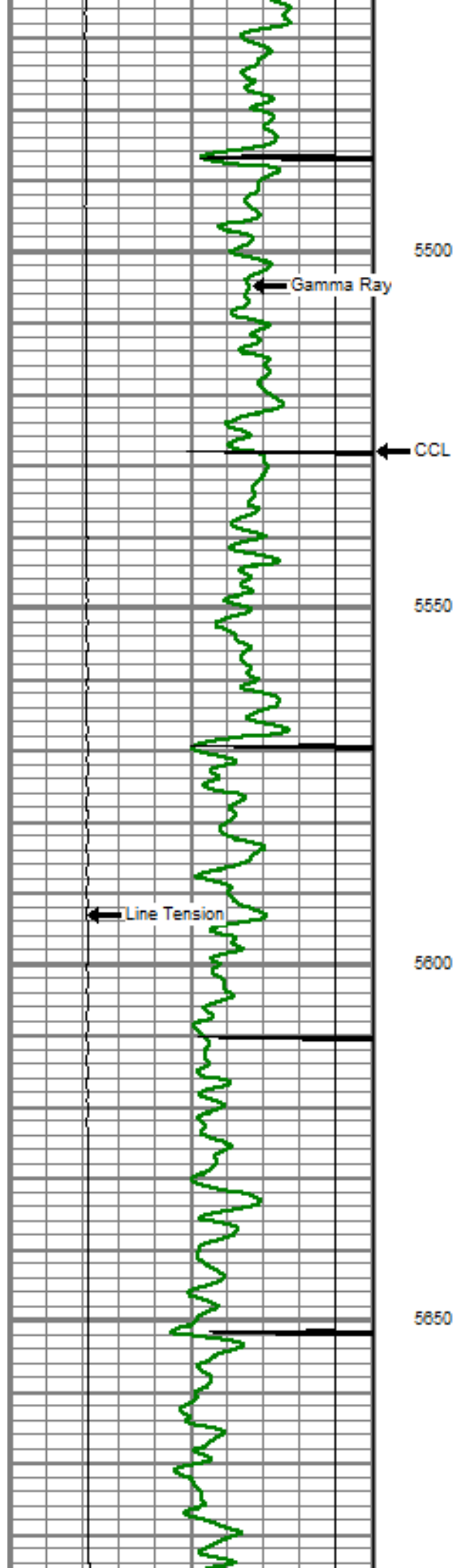
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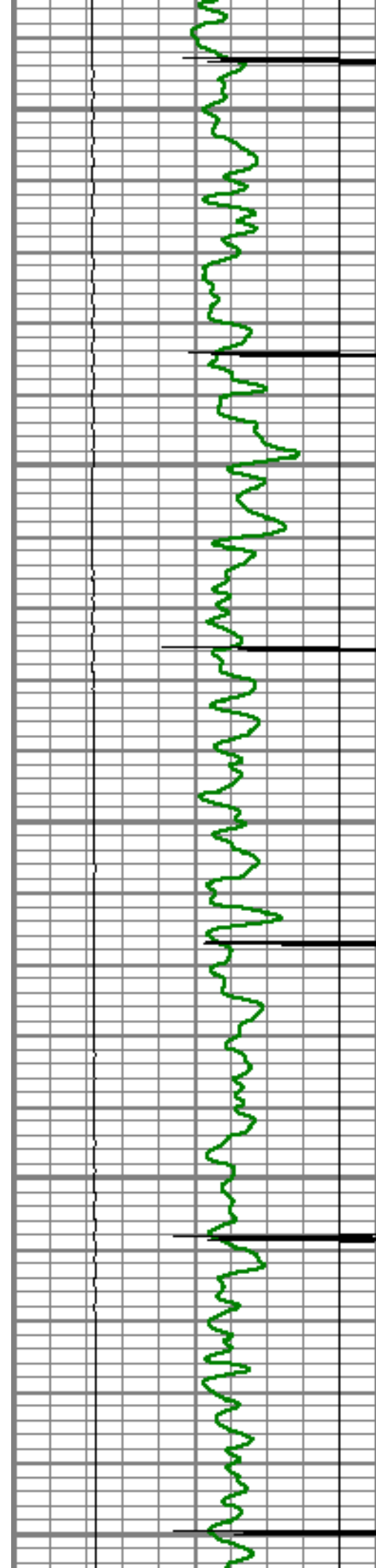
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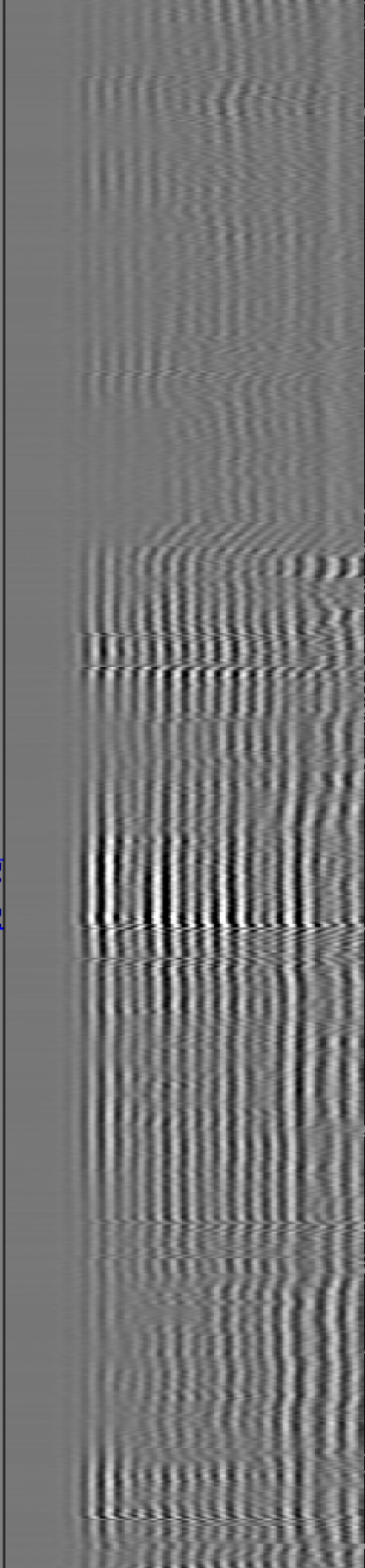
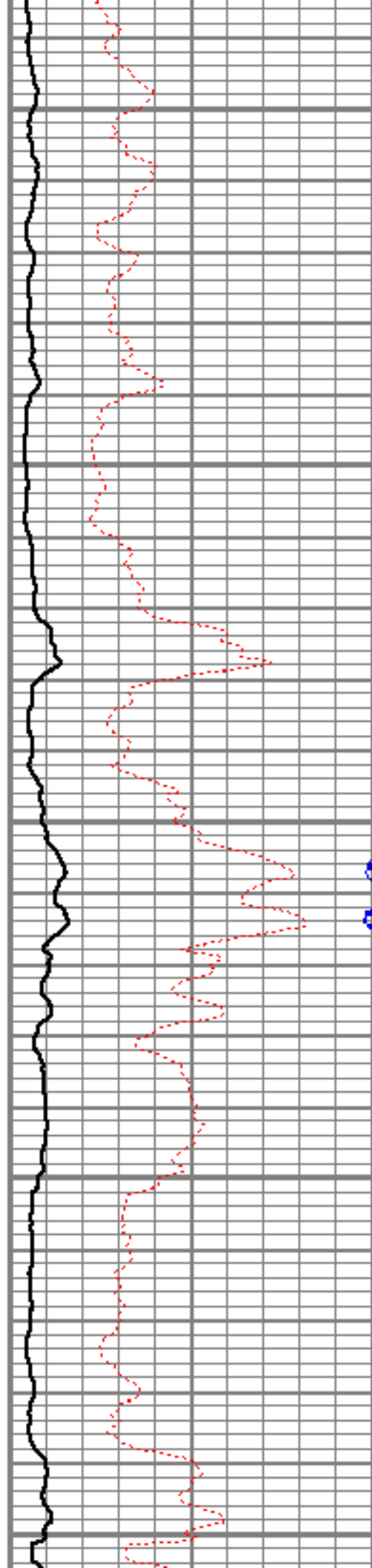
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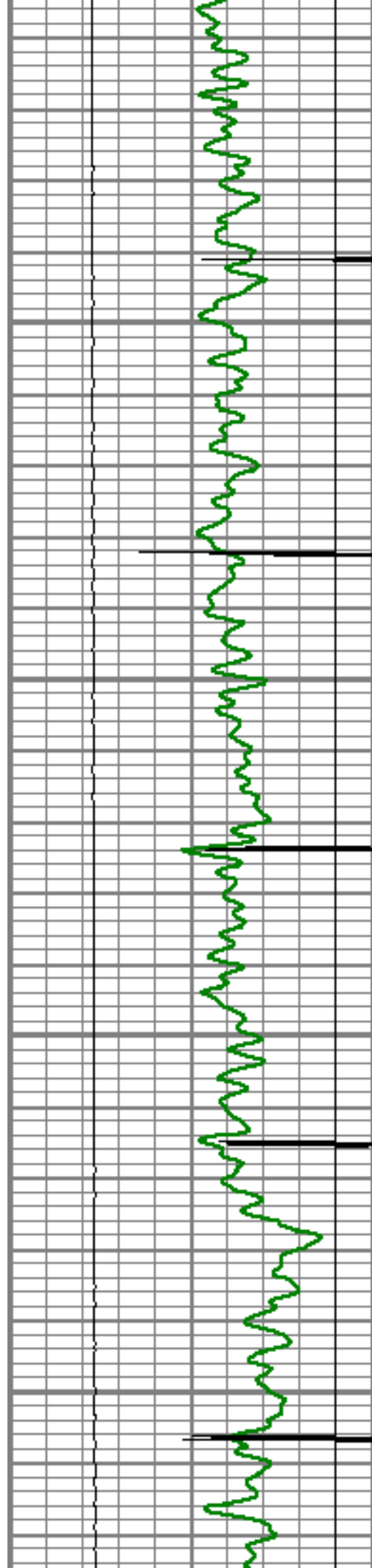
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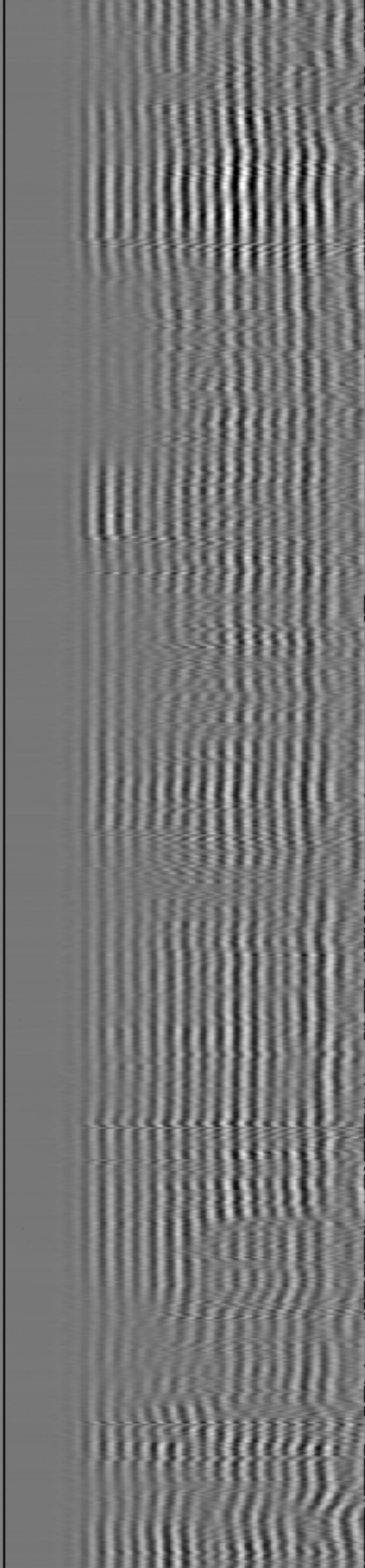
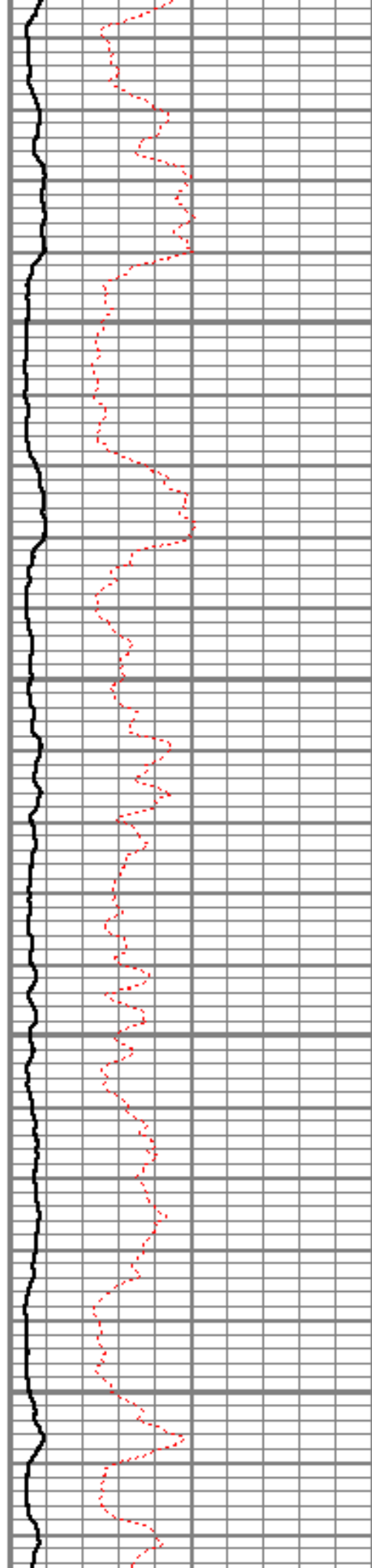


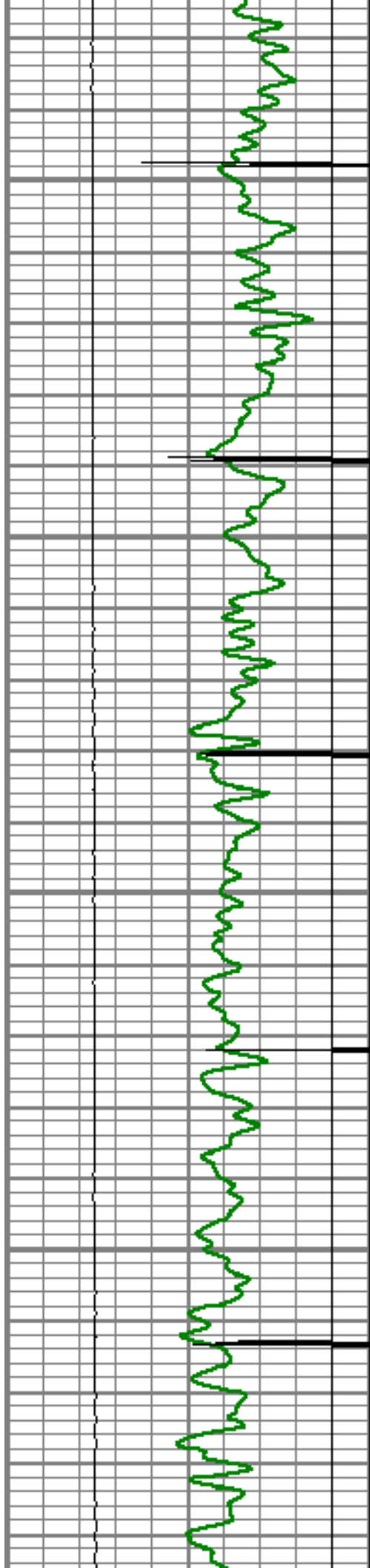
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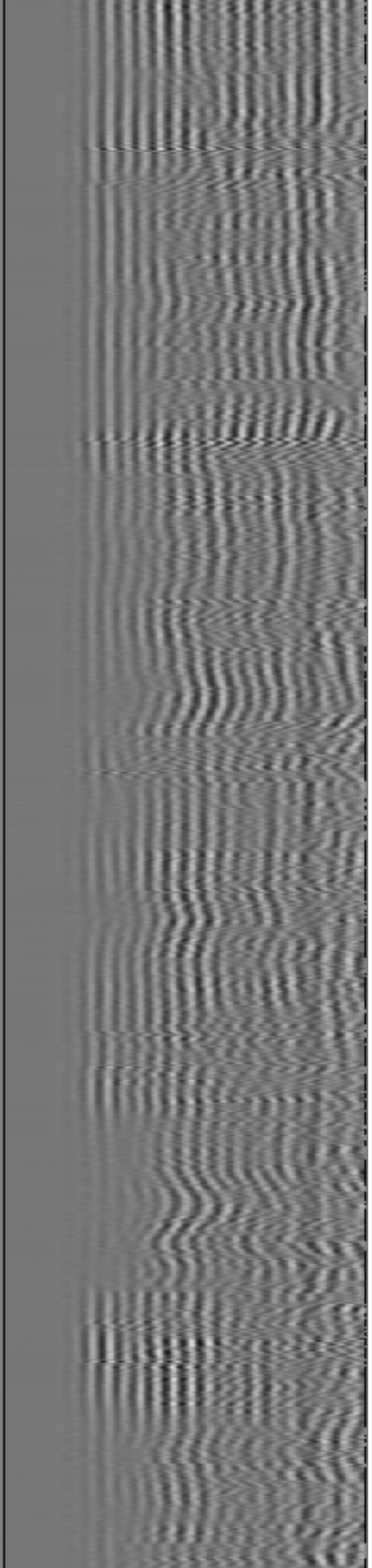
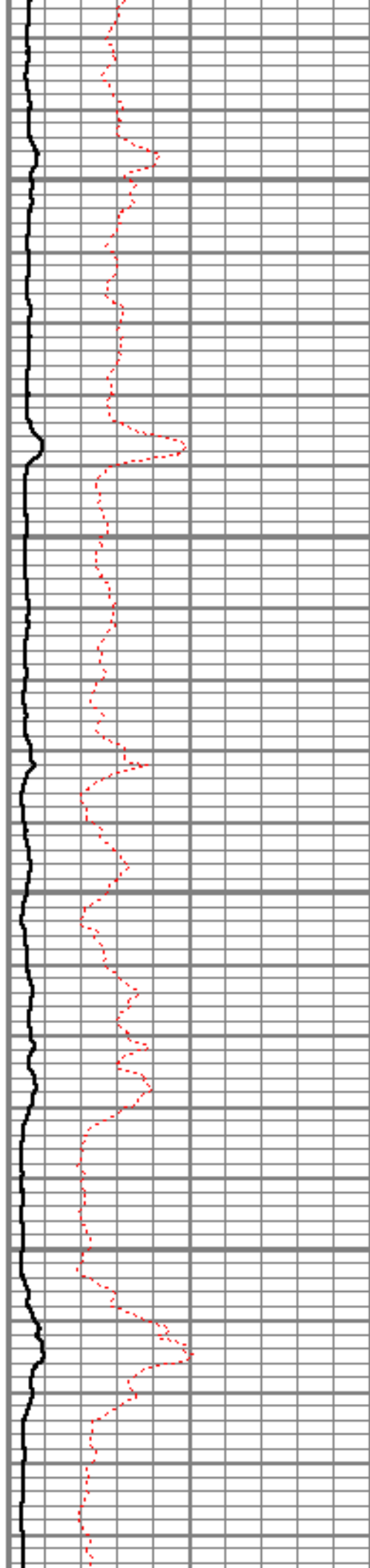


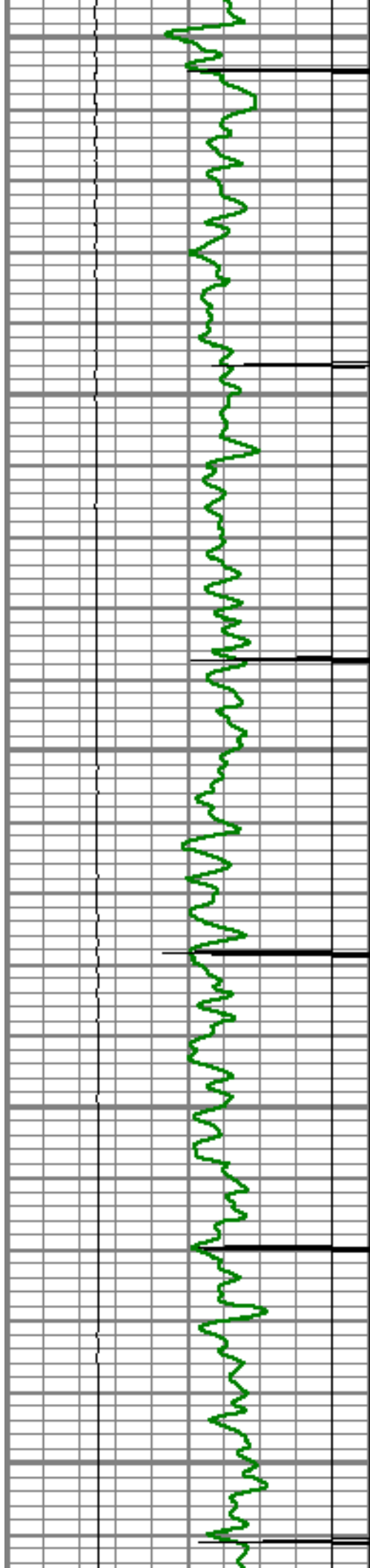
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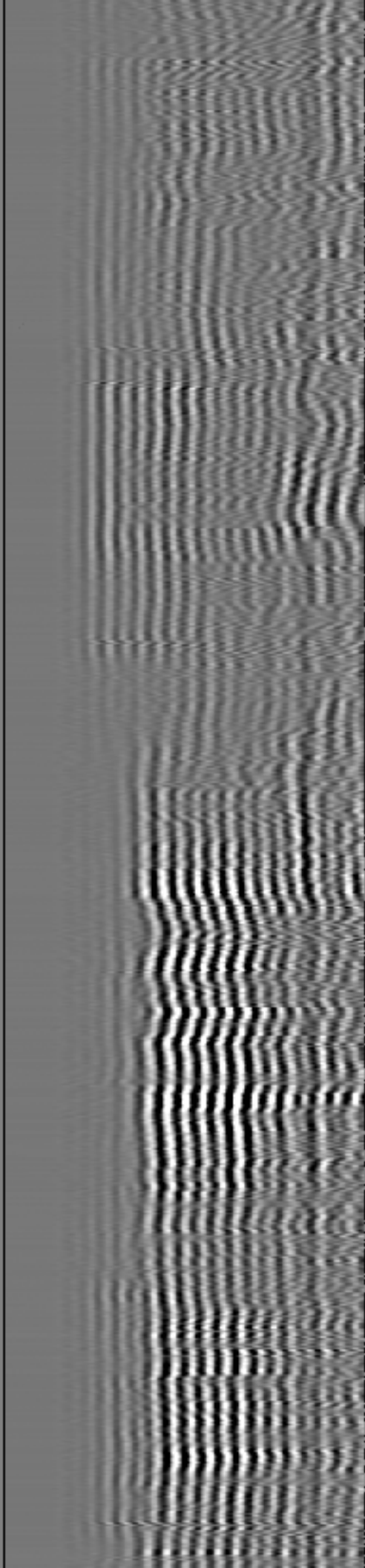
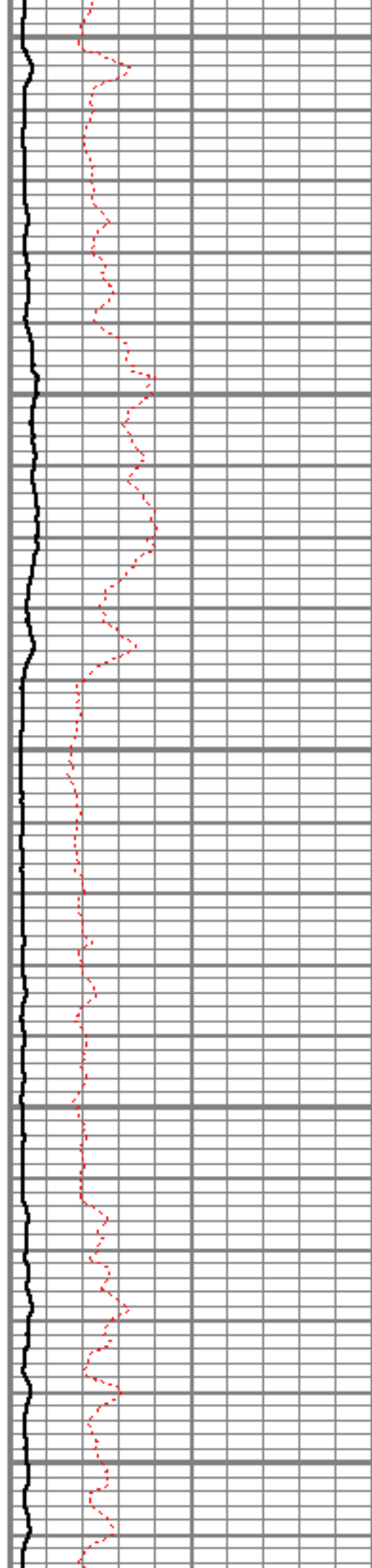
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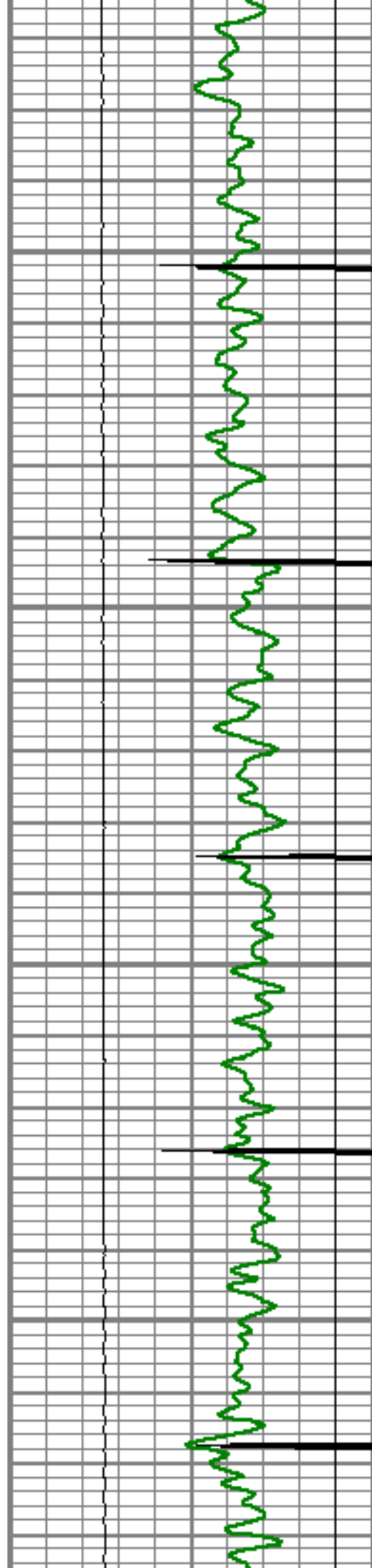
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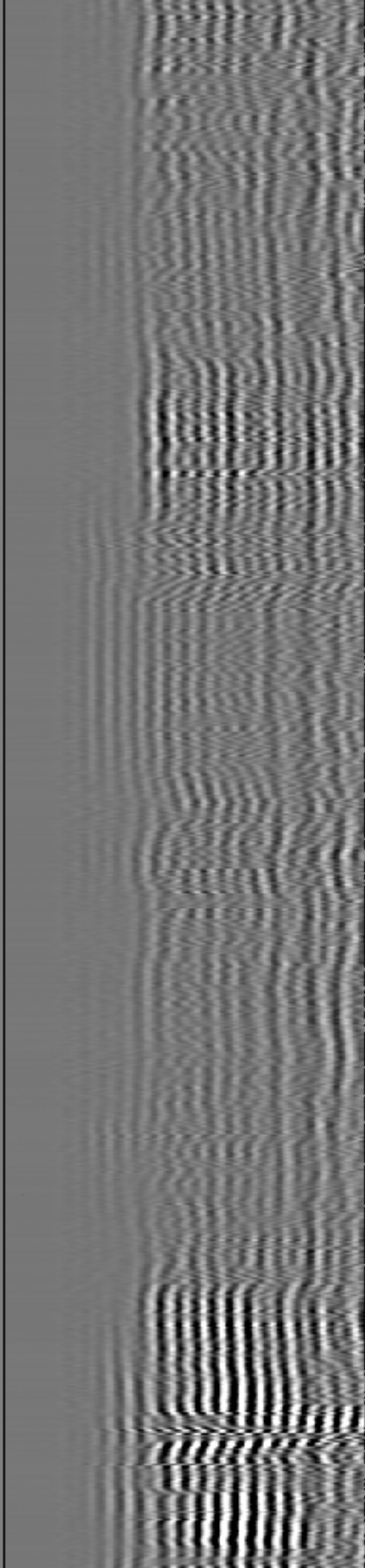
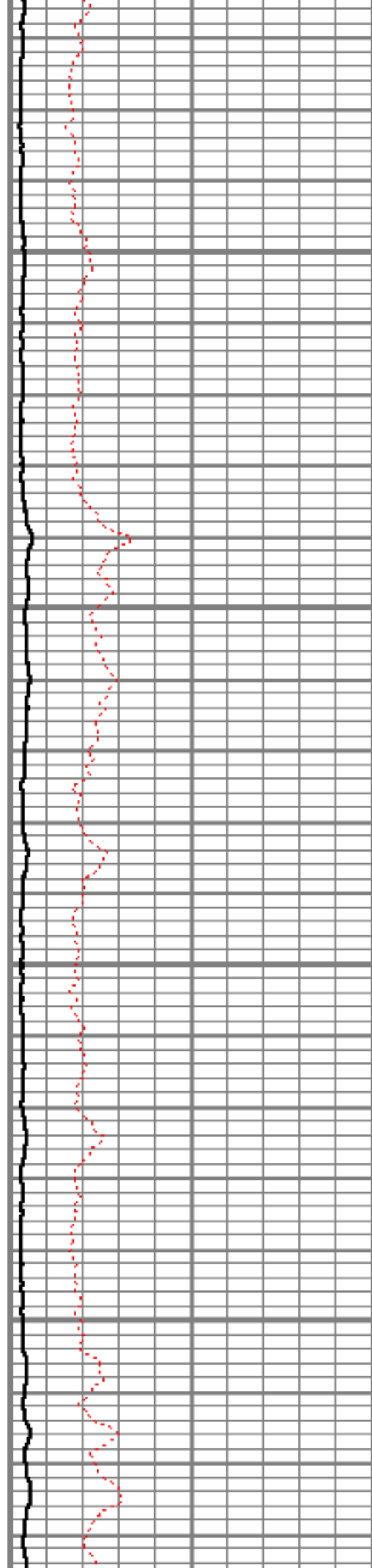


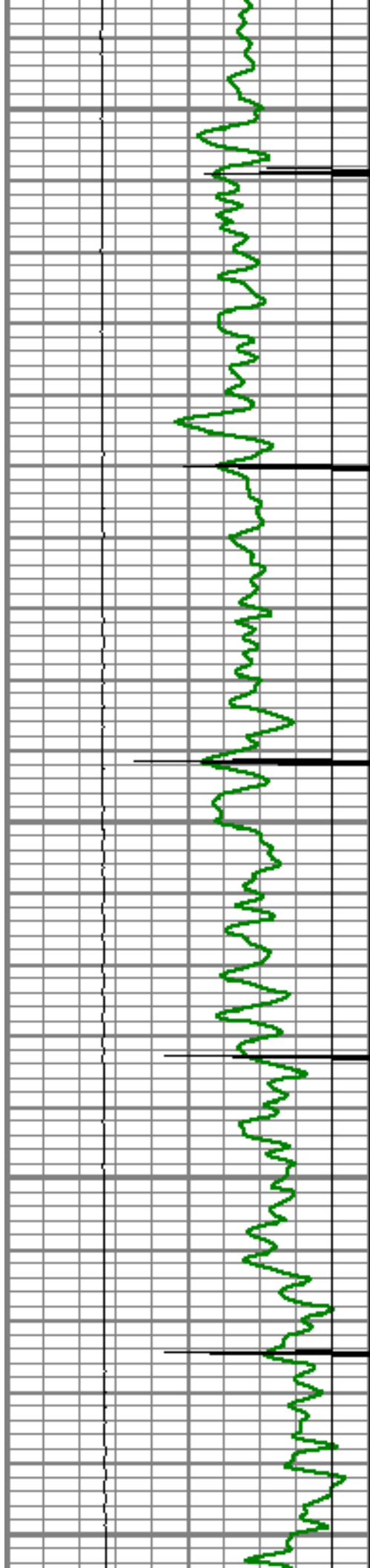
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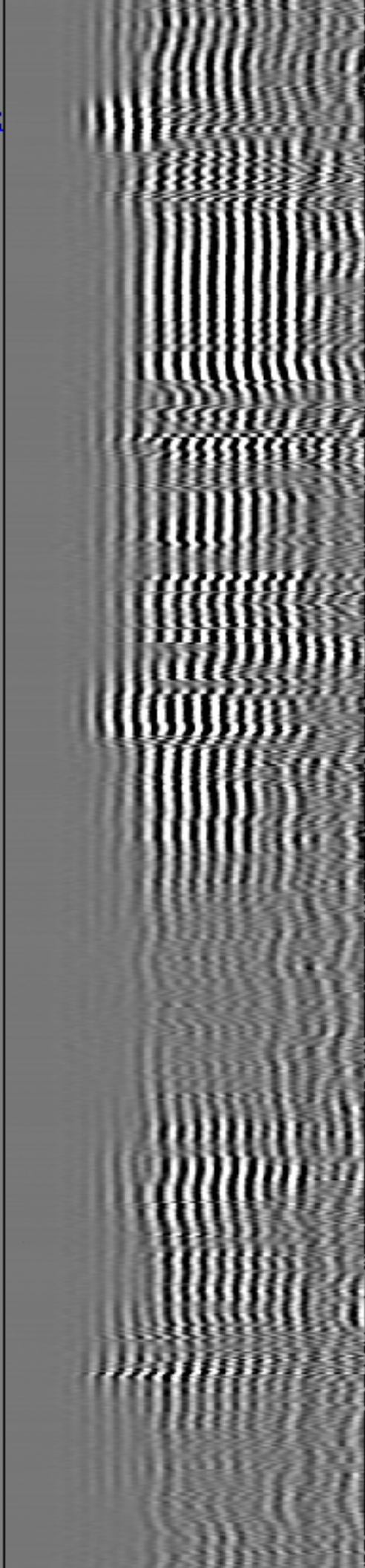
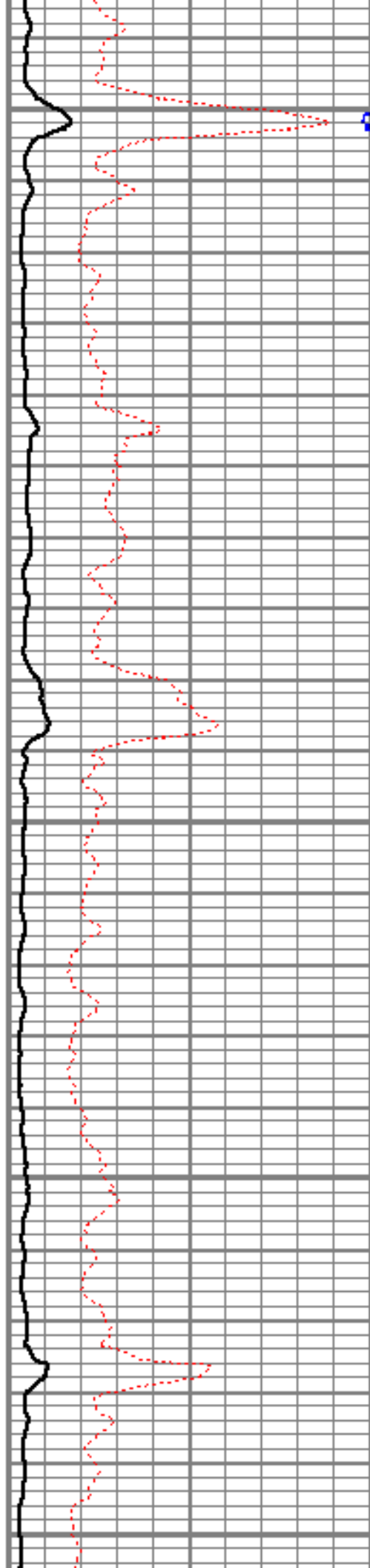
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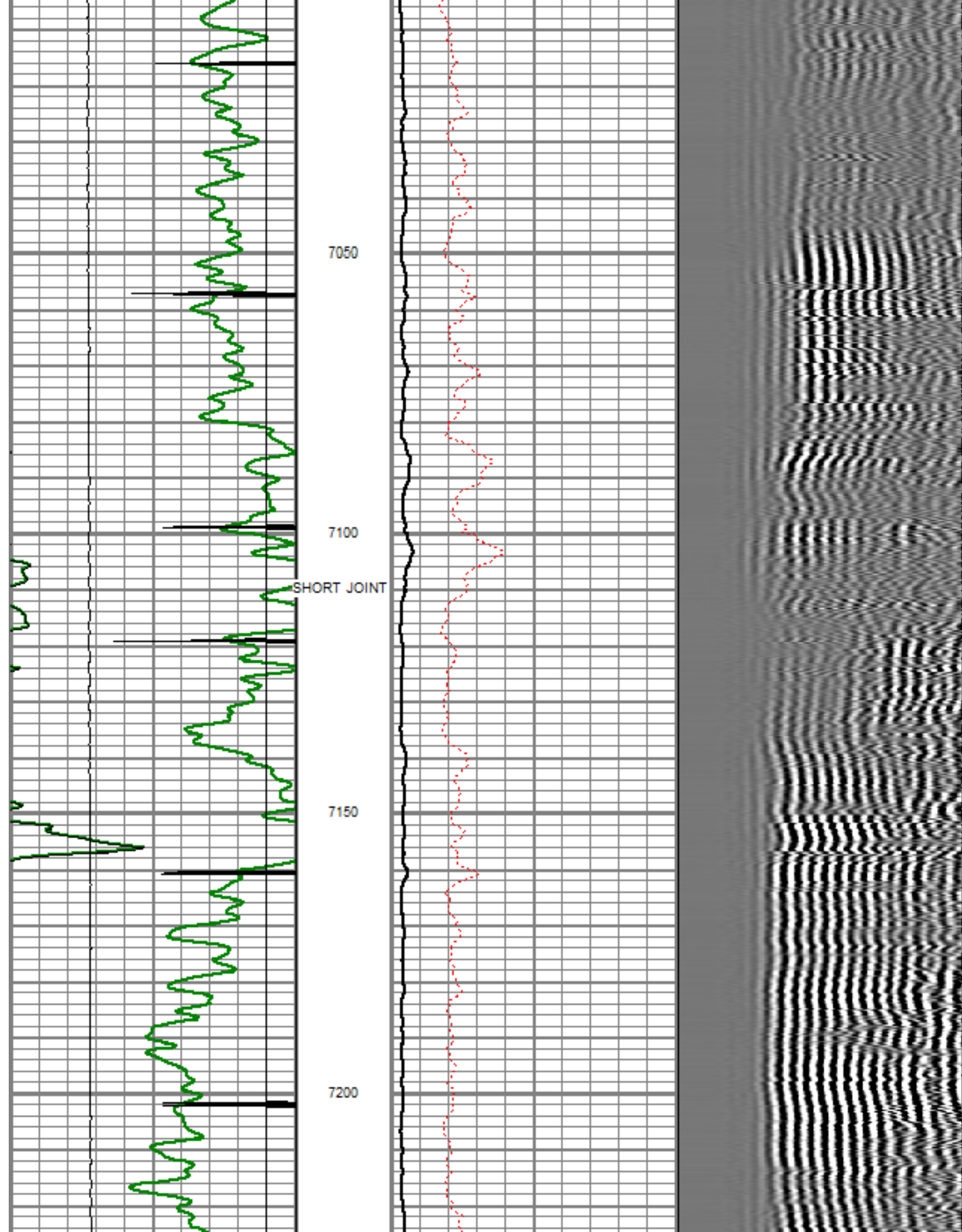
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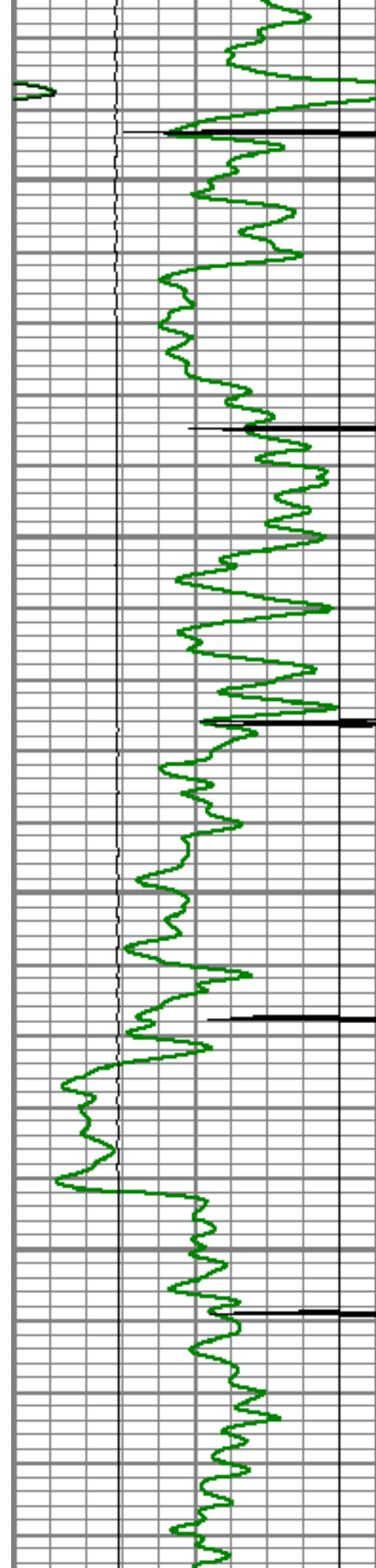
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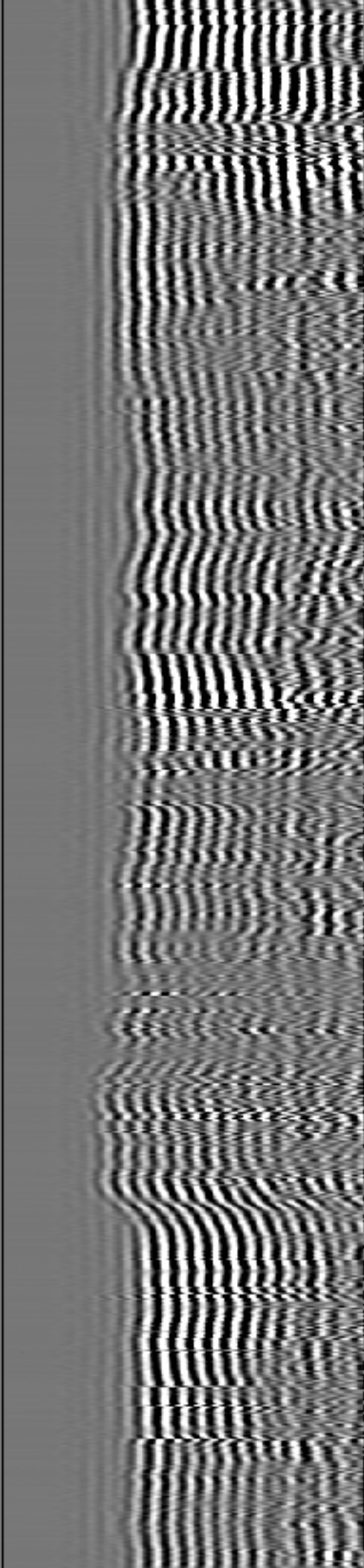
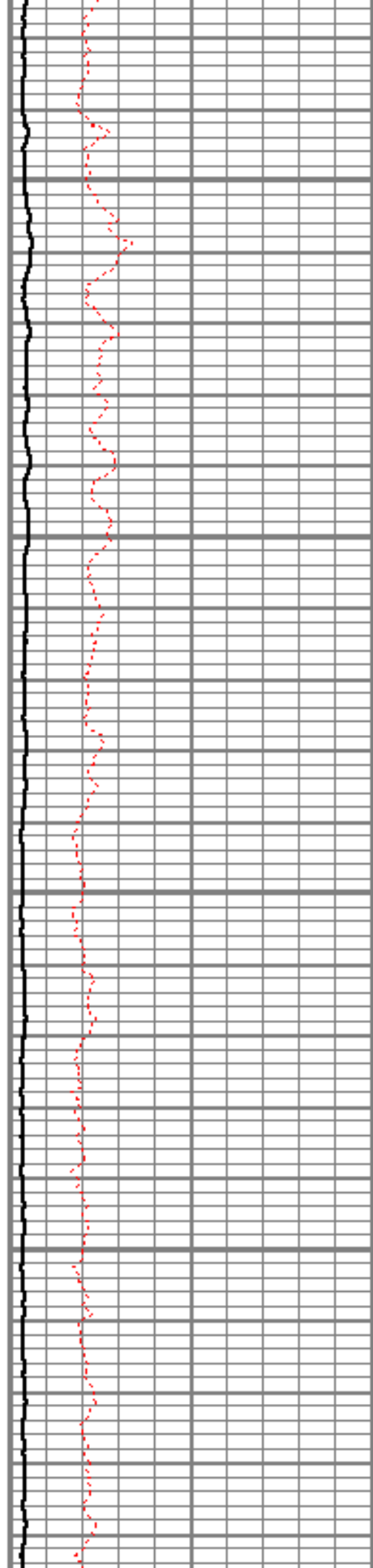


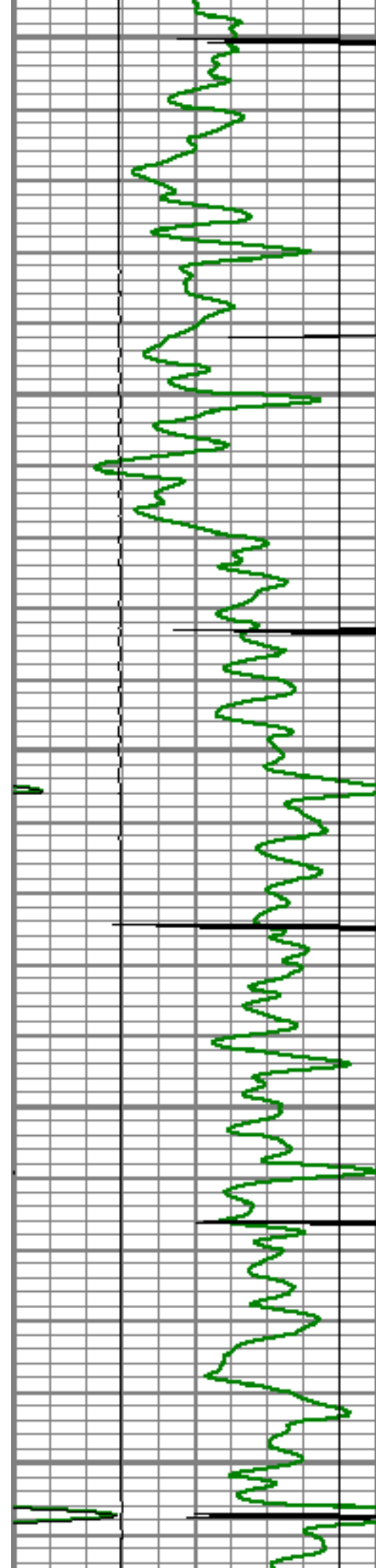
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7400





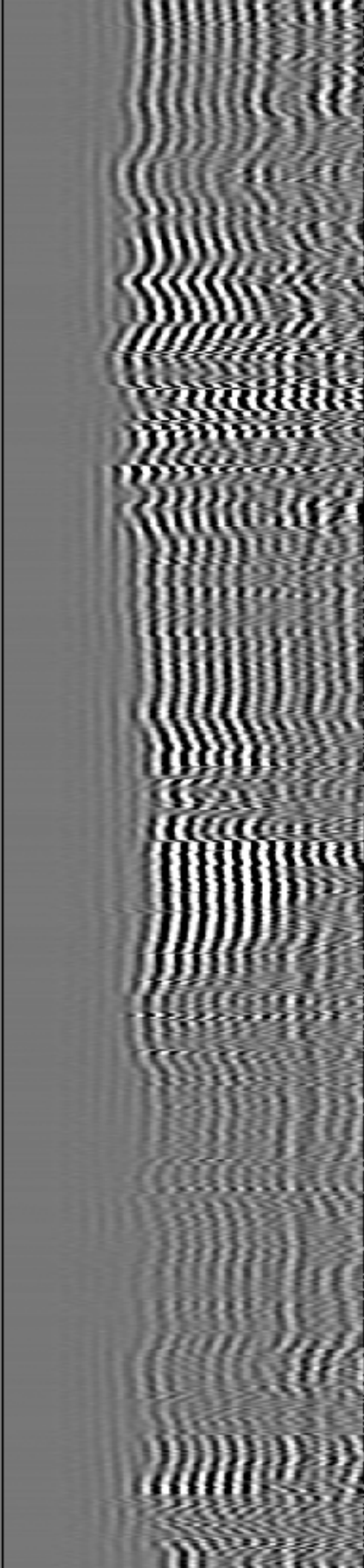
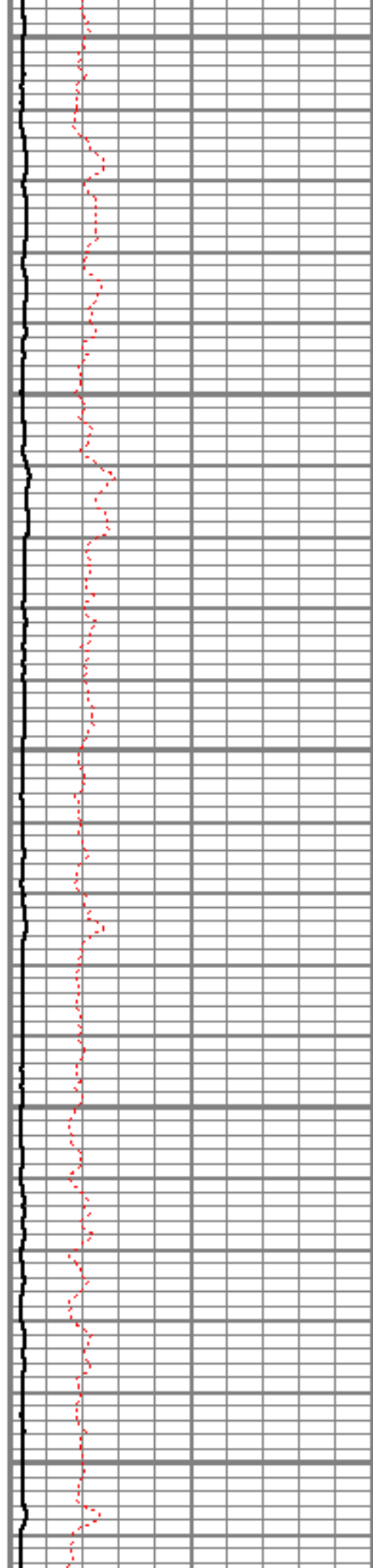
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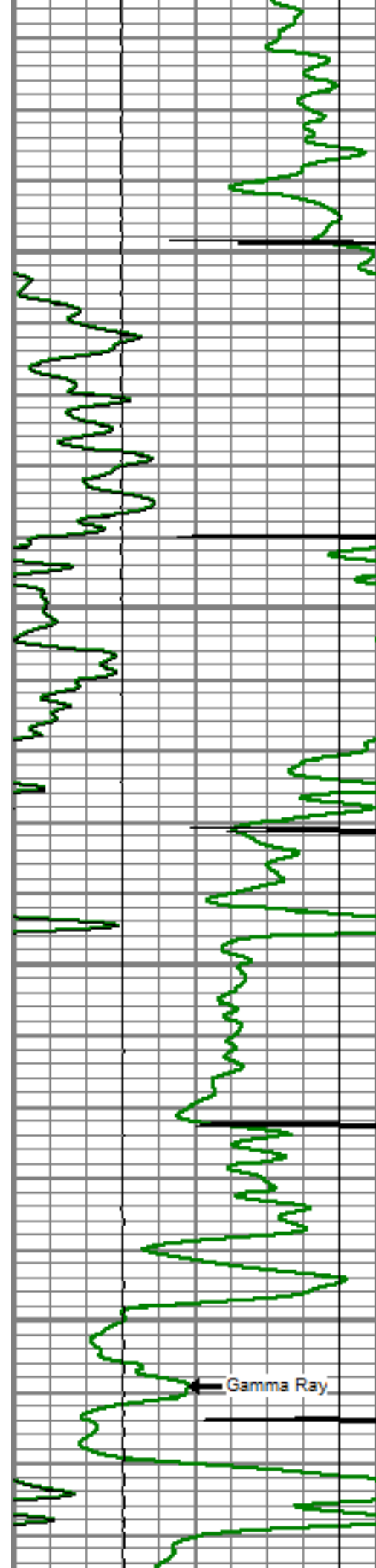
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7600

7650





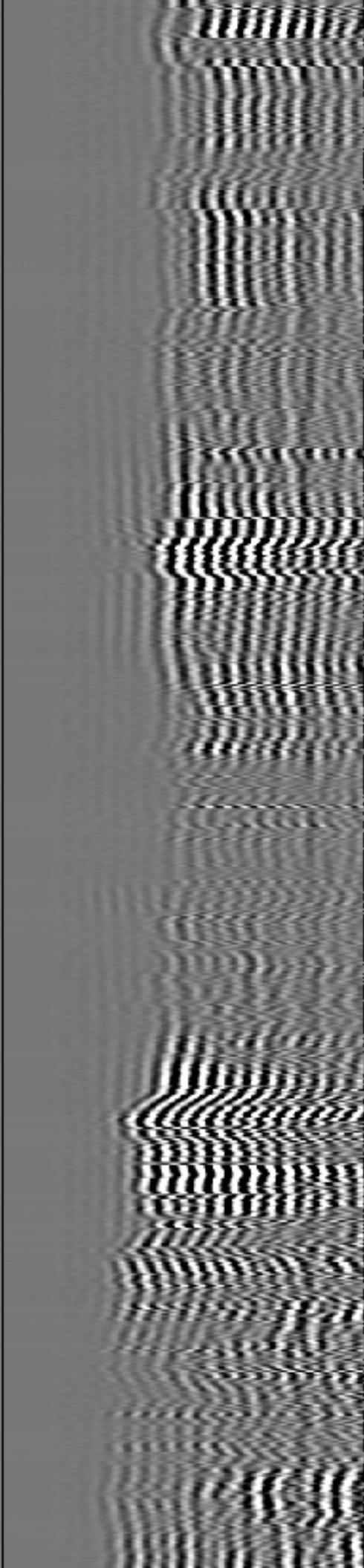
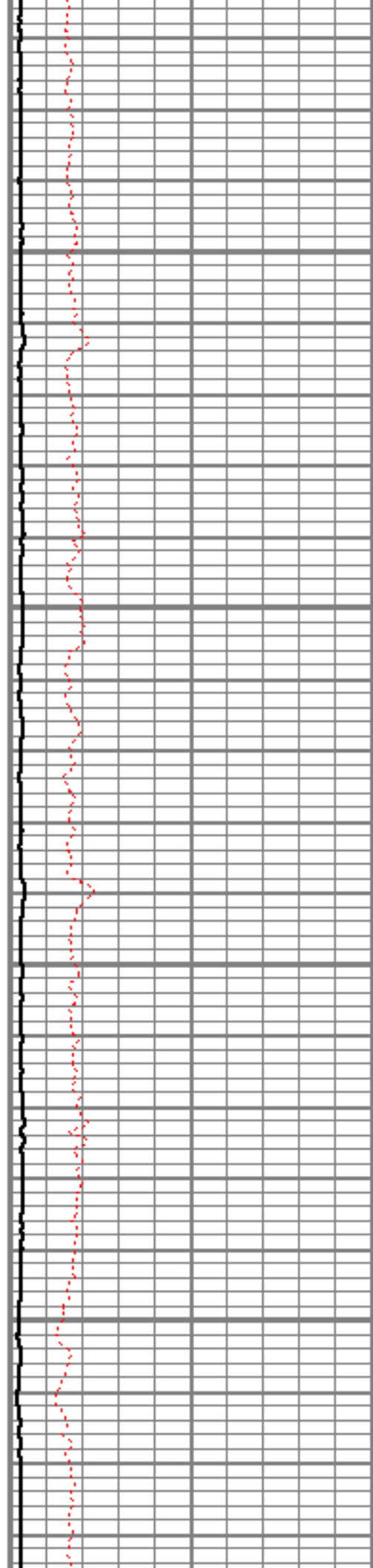
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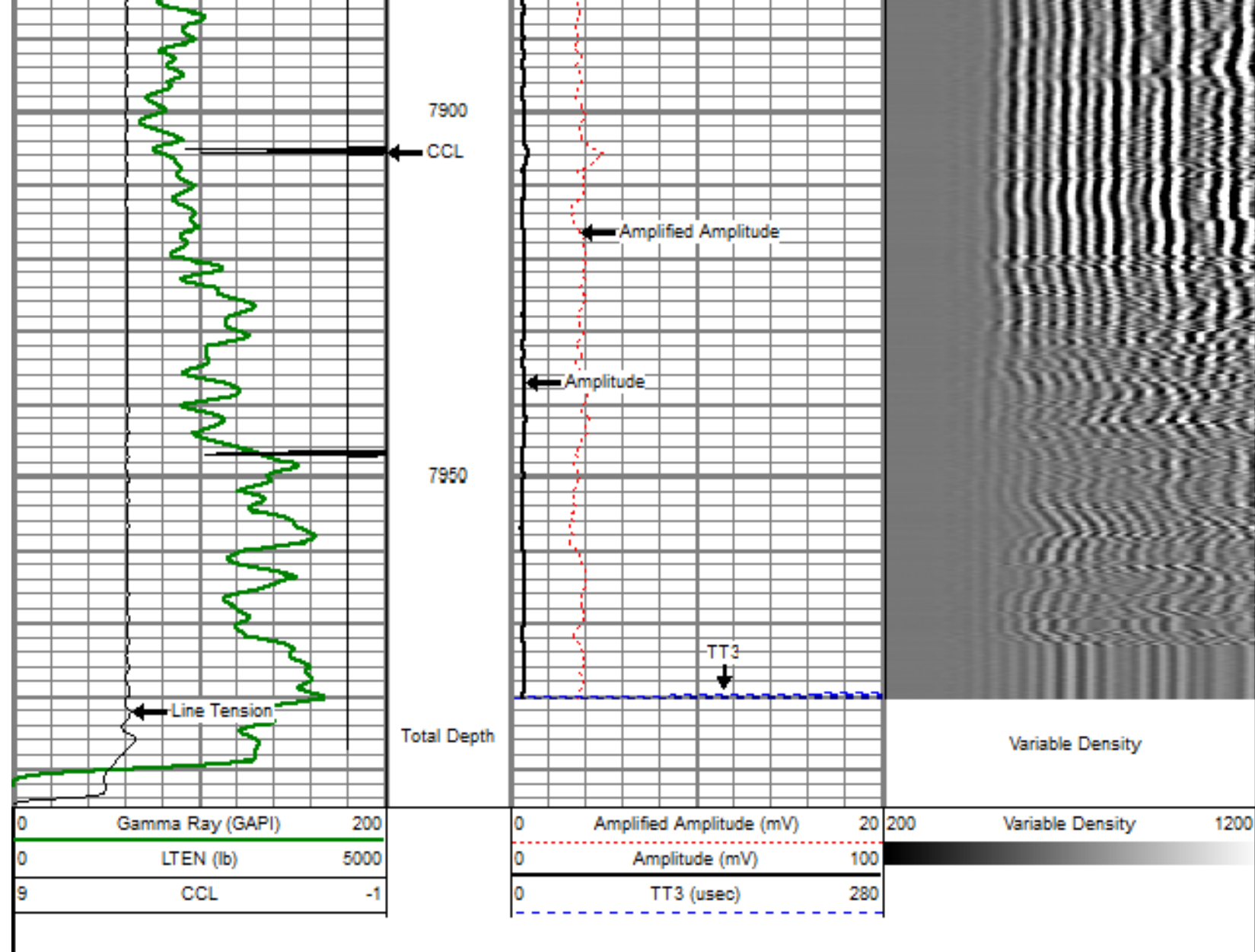
7750

7800


7850

Gamma Ray





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WVF3	14.54		titan Titan Cable Head Go Pin.	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer	2.88	2.75	10.00
			CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77 1) Probe 2.75" Dual Receiver Bond		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-PROBE_GRCL (PRB_GRCL_275_01) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
GR	3.77					
			TEMP-Comprobe (TEMP_CMPRB_1375_01) Positive pulse Temp tool	2.88	1.38	15.00
TEMP	0.17					
Dataset: state23-16.db: field/well/run1/pass4.1OH Total Length: 22.96 ft Total Weight: 126.50 lb O.D. 2.75 in						



Company ENCANA OIL & GAS (USA) INC.
 Well STATE 23-16
 Field WATTENBERG
 County WELD
 State COLORADO