



# CEMENT BOND LOG

Mesa Wireline

Company	ENCANA OIL & GAS (USA) INC.		
Well	BURY CRANDELL 6-0-23		
Field	WATTENBERG		
County	BROOMFIELD		
State	COLORADO		
Company ENCANA OIL & GAS (USA) INC.		Other Services	
Well BURY CRANDELL 6-0-23		NONE	
Field WATTENBERG			
County BROOMFIELD		State COLORADO	
Location:		API # : 05-014-20712-0000	
SHL: 1026' FNL & 986' FEL			
BHL: 50' FNL & 1450' FEL			
SEC: 23 TWP: 1N RGE: 68W			
Permanent Datum GROUND LEVEL		Elevation 5112'	
Log Measured From KELLY BUSHING = 13'		K.B. 5125'	
Drilling Measured From KELLY BUSHING		D.F. 5124'	
		G.L. 5112'	

Date	17 FEBRUARY 2012									
Run Number	ONE									
Depth Driller	8585'									
Depth Logger	8504'									
Bottom Logged Interval	8504'									
Top Log Interval	3400'									
Open Hole Size	7.875"									
Type Fluid	WATER									
Density / Viscosity	~ 8.3#									
Max. Recorded Temp.	262 DEG F									
Estimated Cement Top	3624'									
Time Well Ready	N/A									
Time Logger on Bottom	N/A									
Equipment Number	10501PRD01									
Location	AULT, COLORADO									
Recorded By	V. FULLER									
Witnessed By	TOM MAJORS									
Borehole Record										
Run Number	Bit	From	To	Size	Tubing Record					
ONE	12.25"	0'	1090'							
TWO	7.875"	1090'	8554'							
Casing Record										
Surface String	Size			Wgt/Ft		Top			Bottom	
	8.625"			24#		0'			1090'	
Prot. String										
Production String	4.50"			11.6#		0'			8569'	
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 NOT CORRELATED TO ANY OTHER LOG  
SHORT JOINT = 7431' - 7453'

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



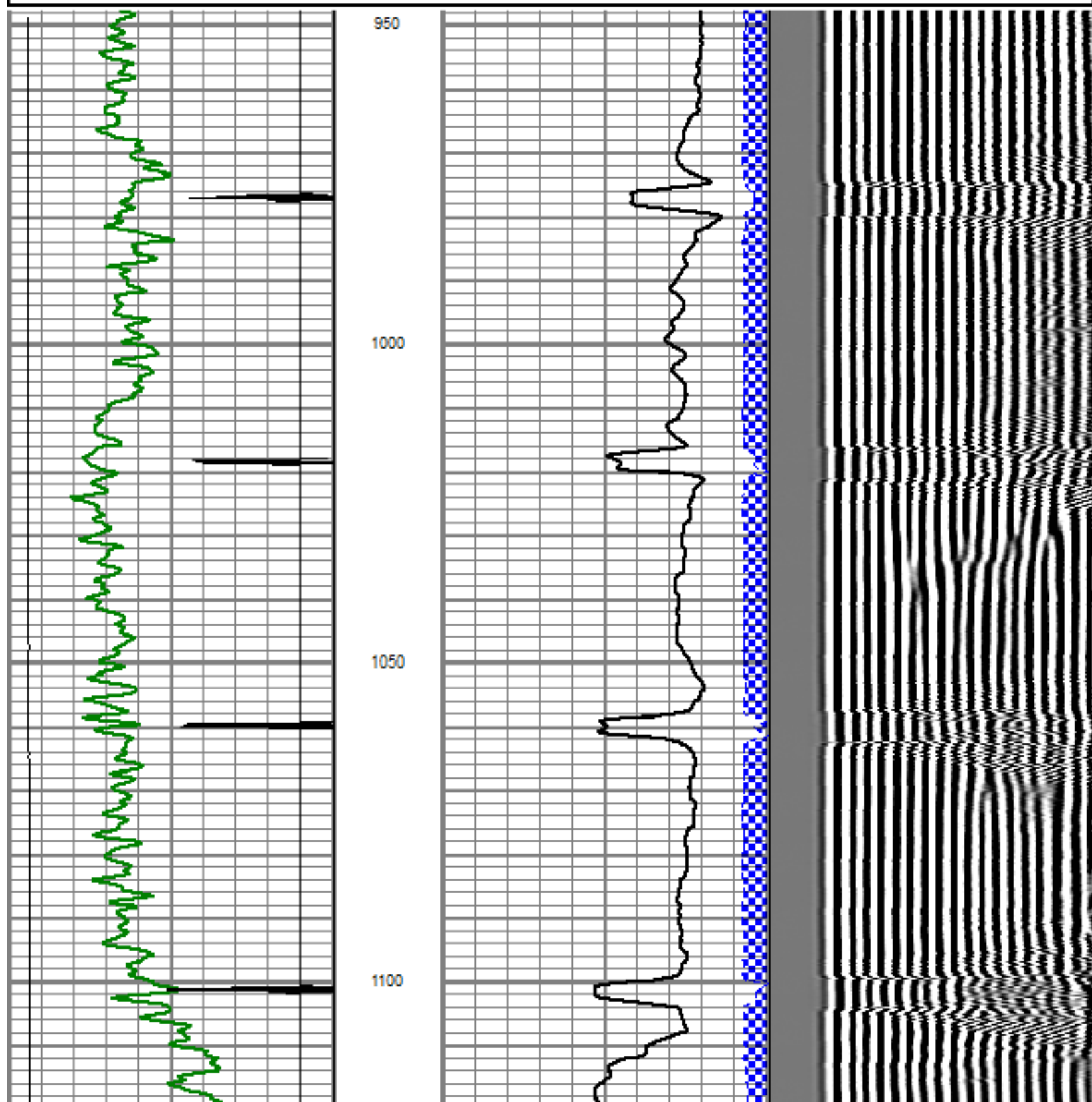
TOP PASS

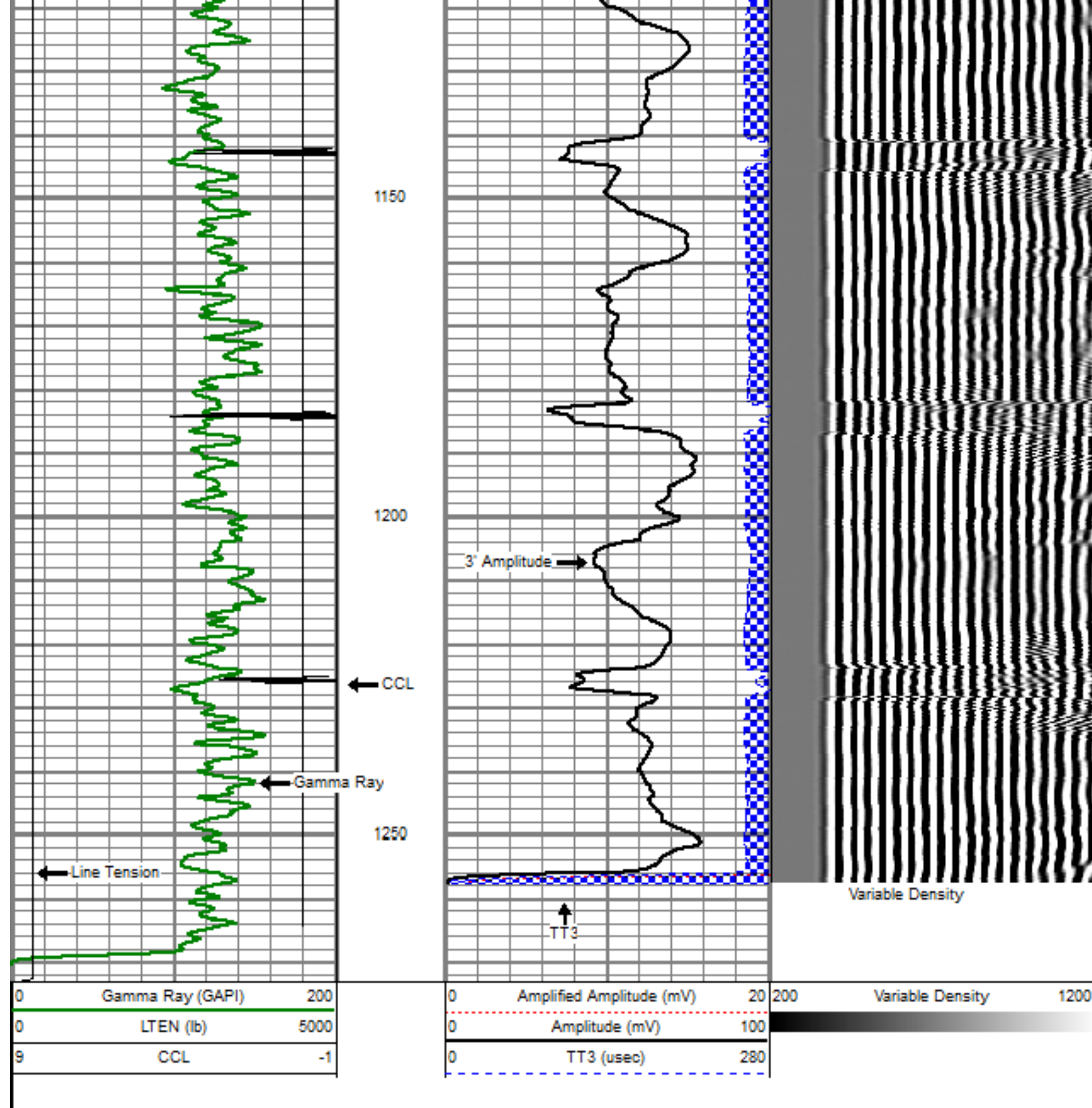
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Dataset Pathname: pass4.1  
Presentation Format: dobl\_prb  
Dataset Creation: Fri Feb 17 15:16:31 2012 by Calc SCH 110722  
Charted by: Depth in Feet scaled 1:240

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

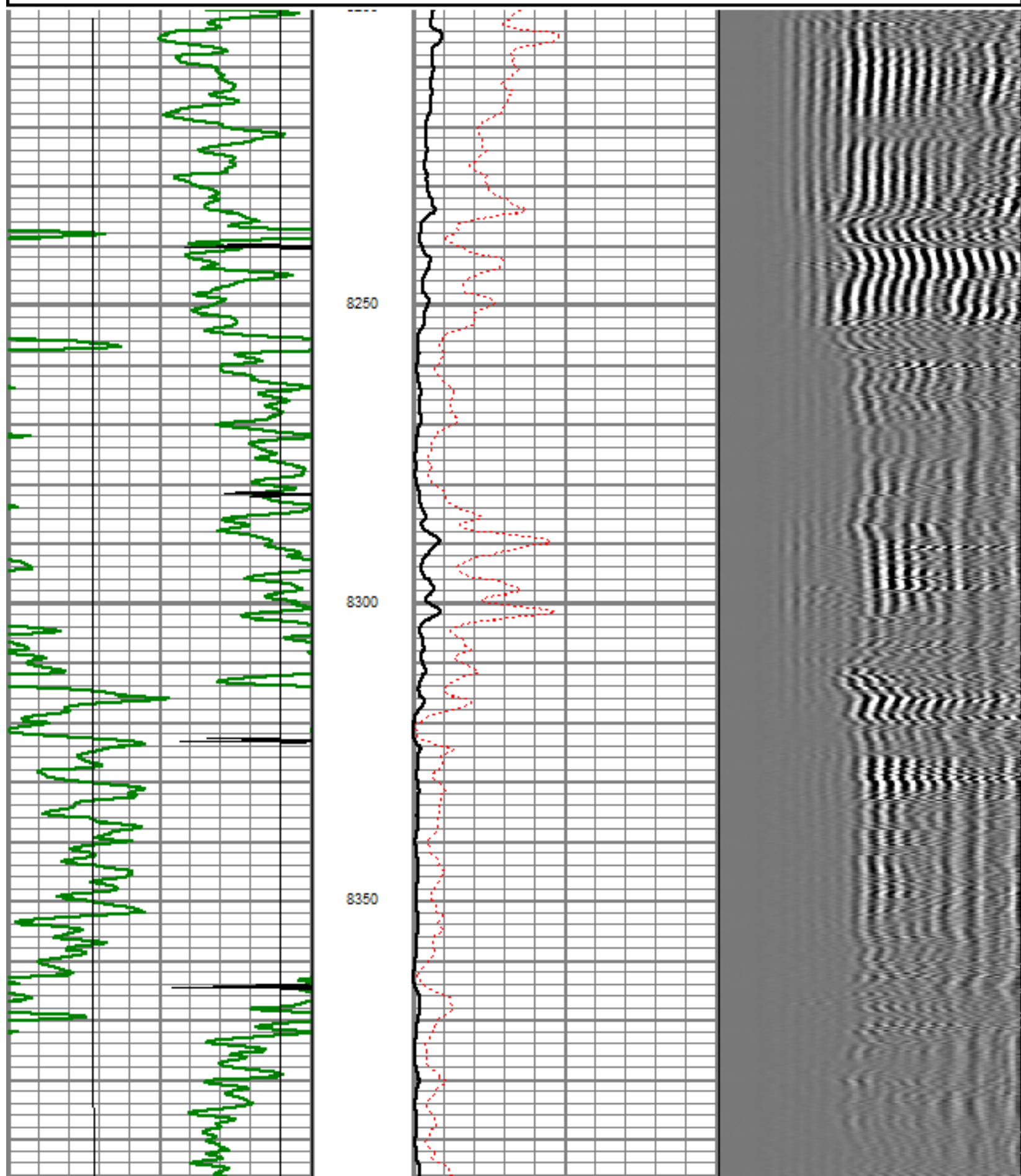
5" = 100'

Database File: bury crandell 6-0-23.db  
 Dataset Pathname: pass2  
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 Dataset Creation: Fri Feb 17 13:34:14 2012 by Log SCH 110722  
 Charted by: Depth in Feet scaled 1:240

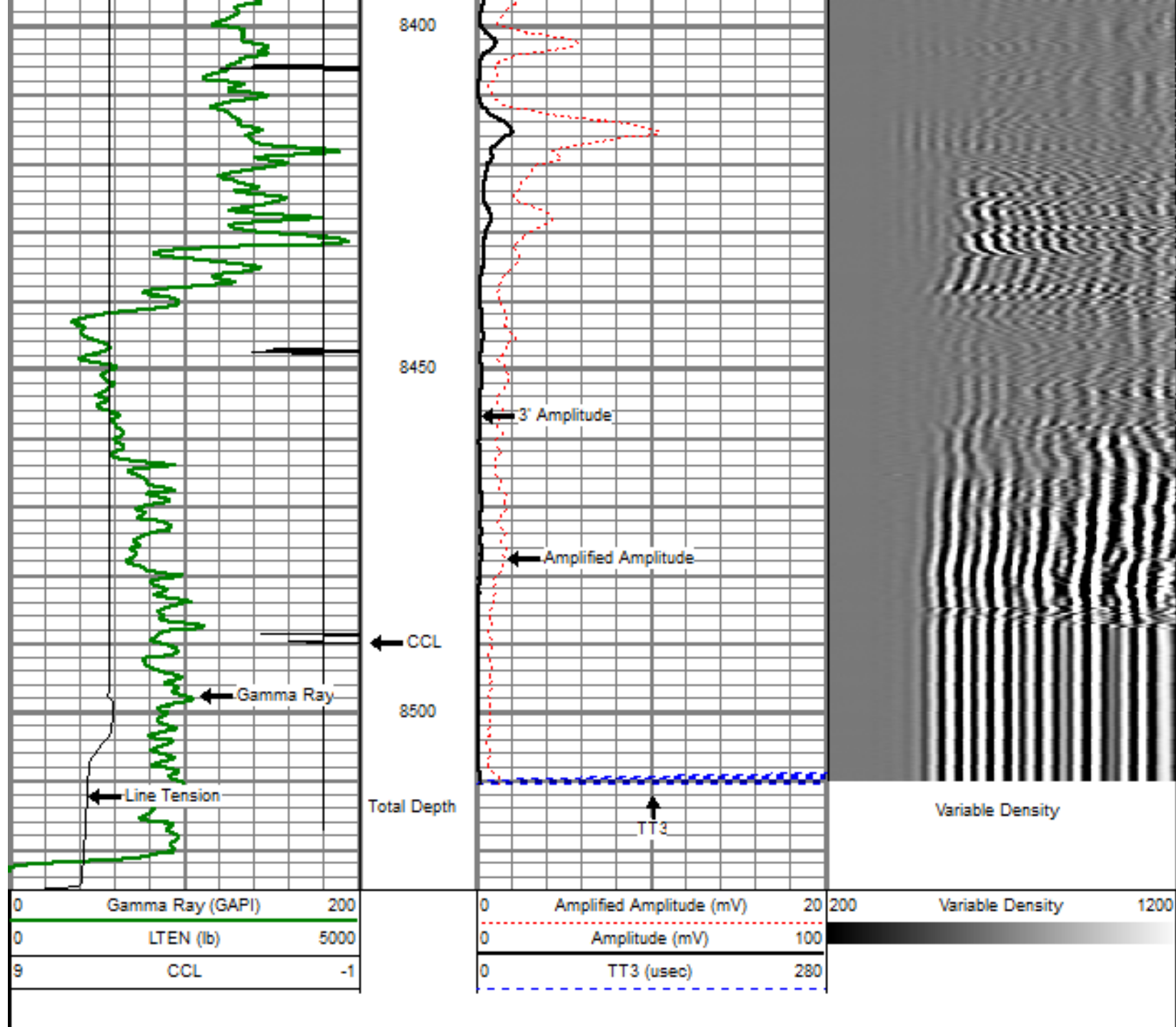
0	Gamma Ray (GAPI)	200
0	LTEN (lb)	5000
9	CCL	-1

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

200	Variable Density	1200
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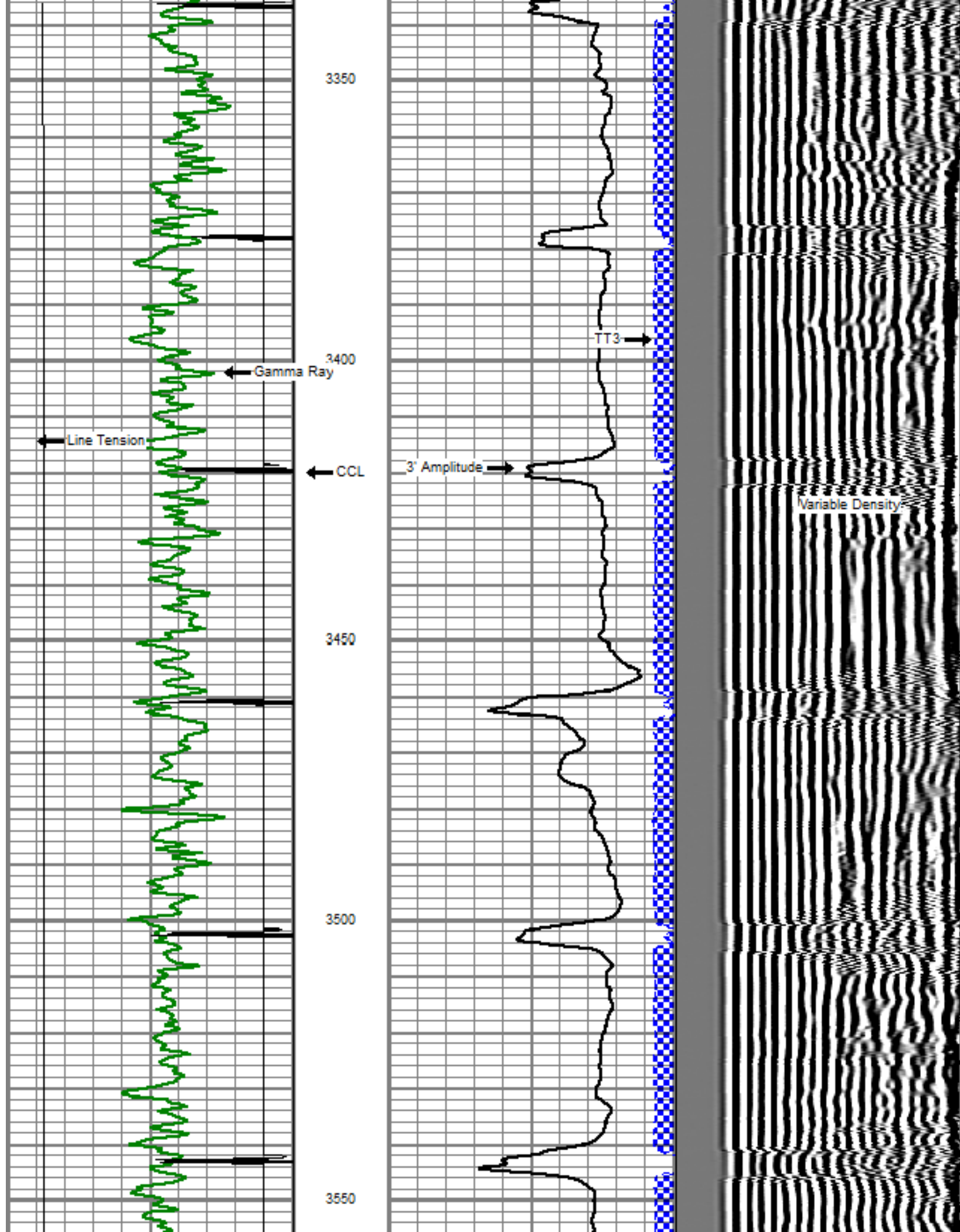


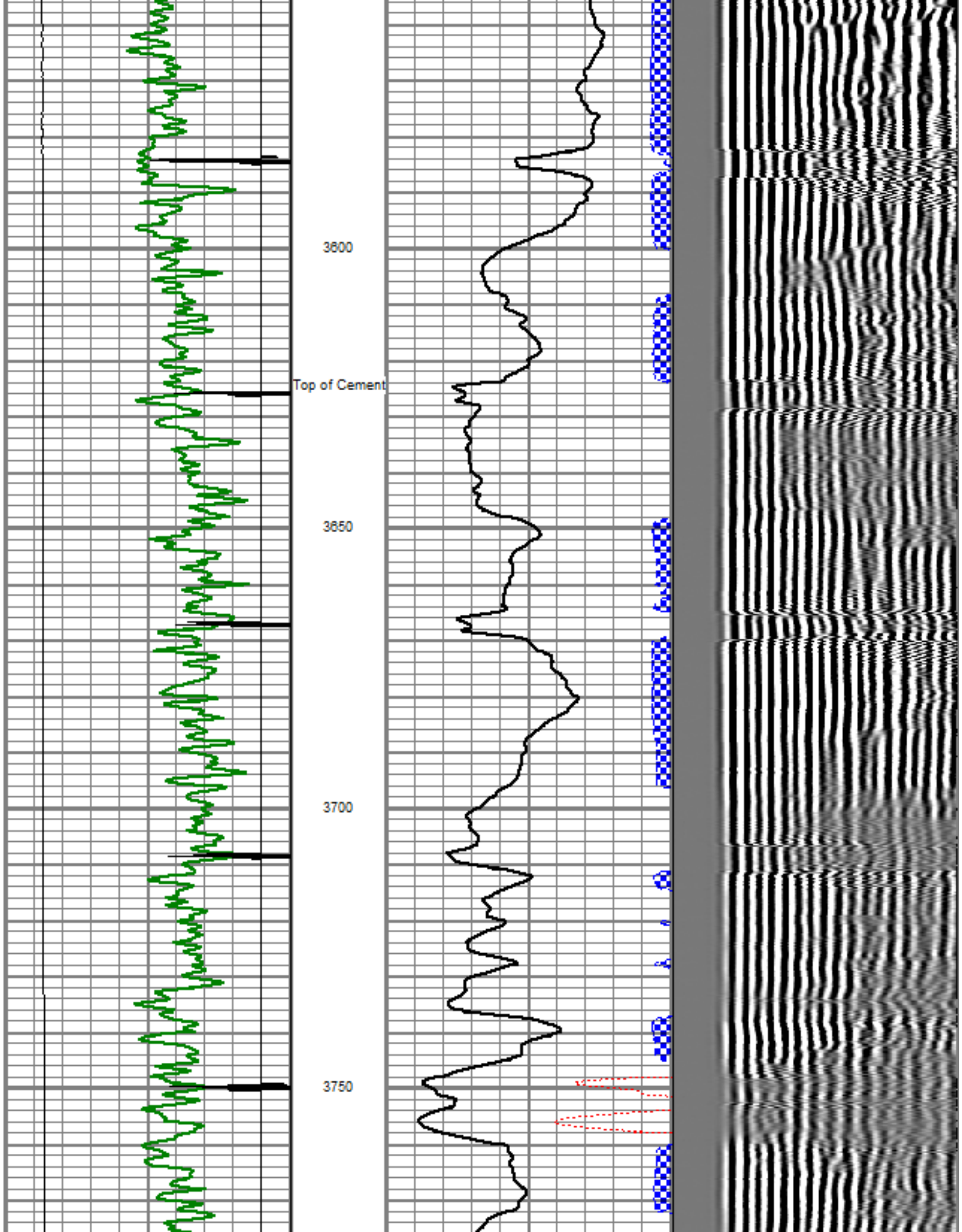
## MAIN PASS

5" = 100'

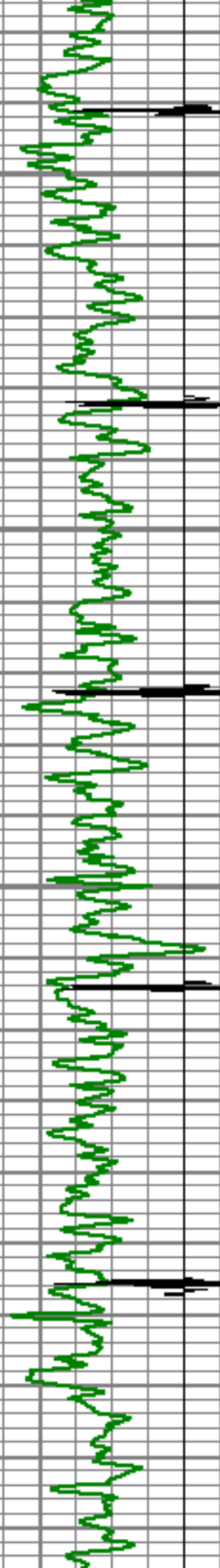
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 Presentation Format: dobl\_prb  
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 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			







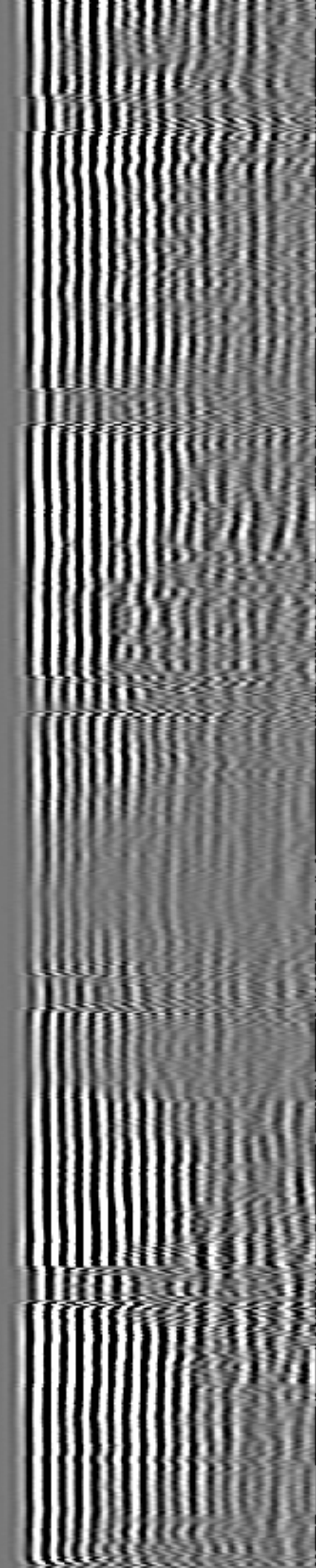
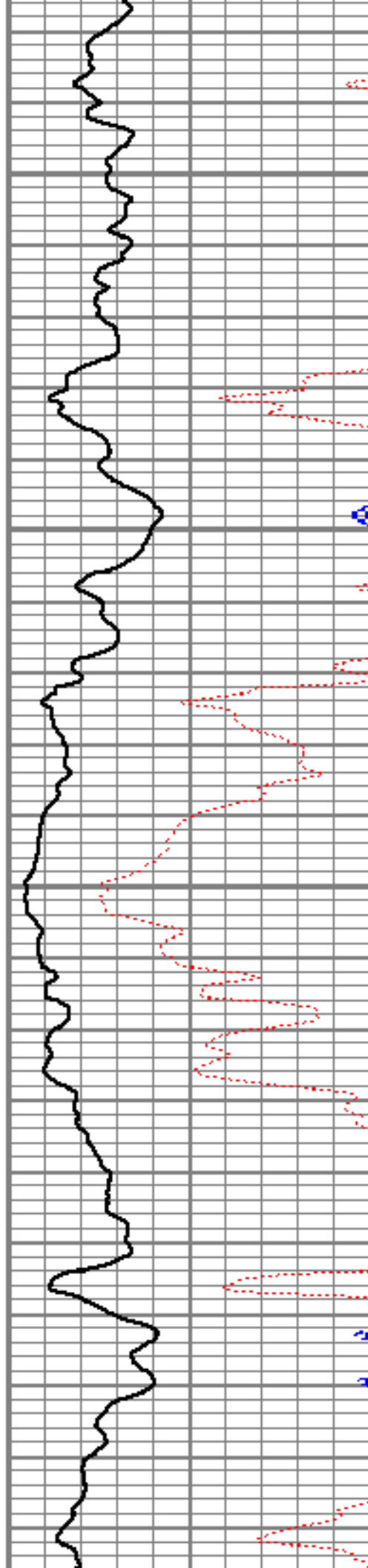


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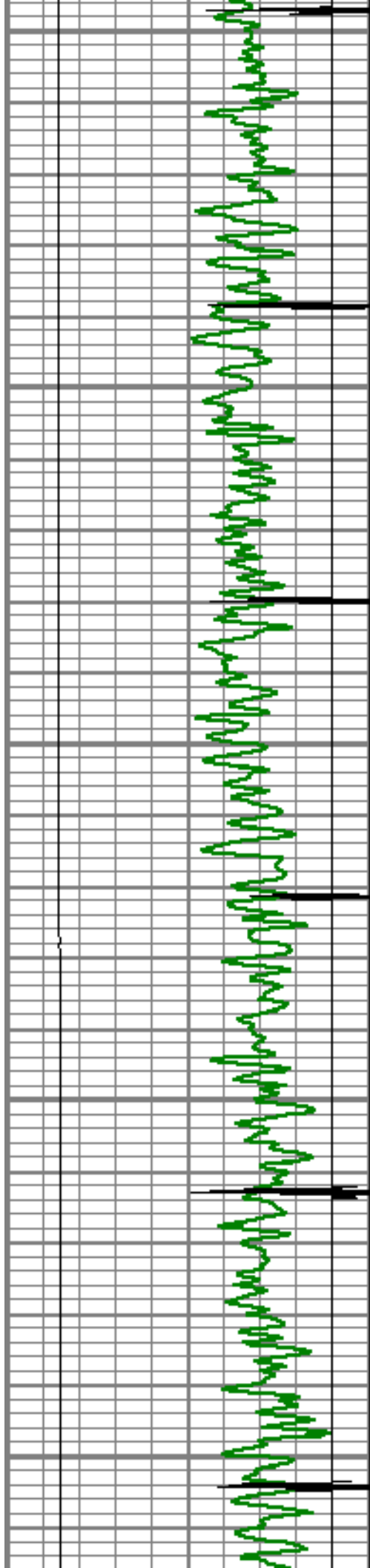
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3900

3950







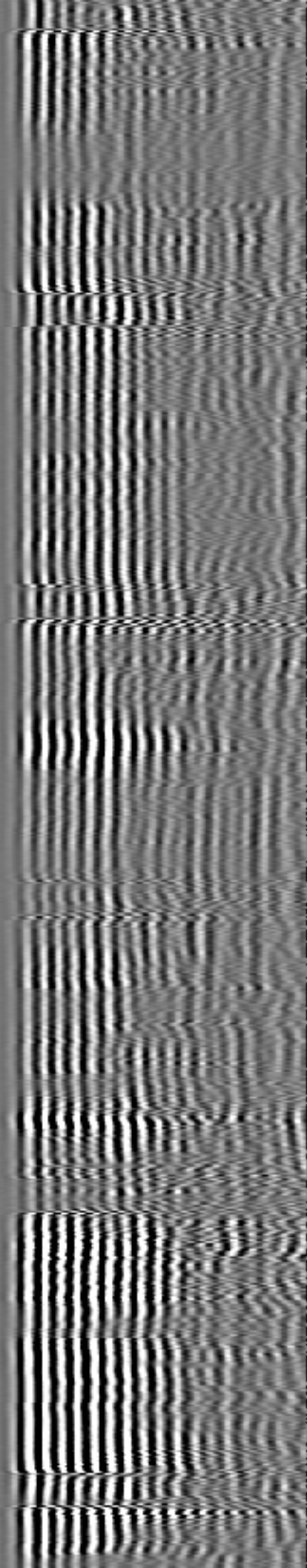
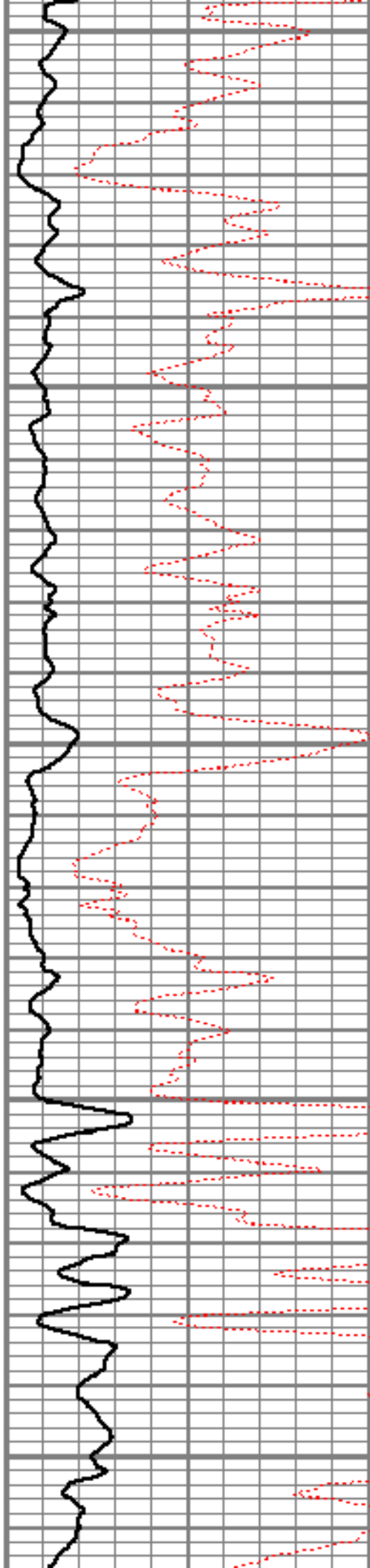
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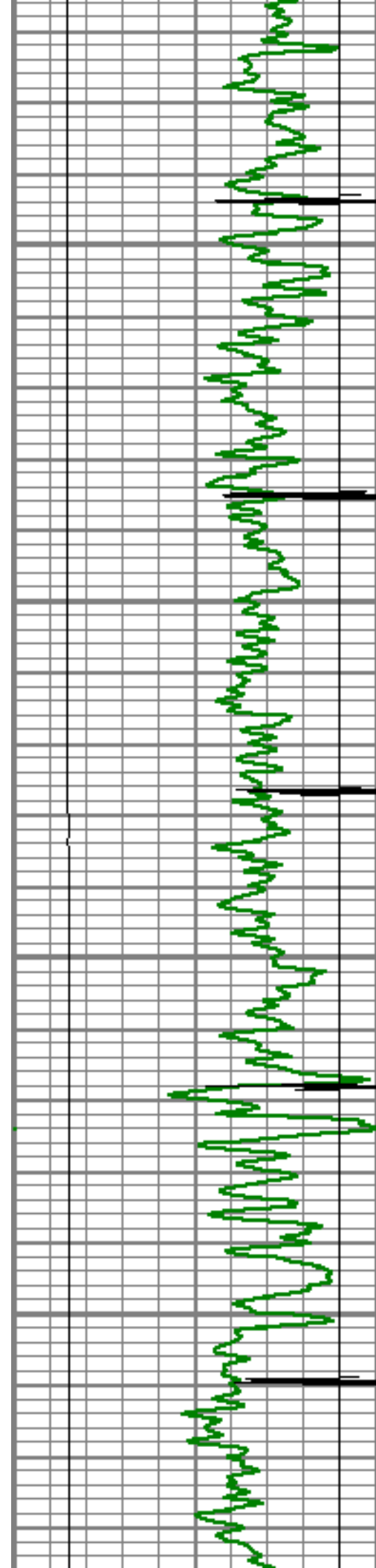
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4200



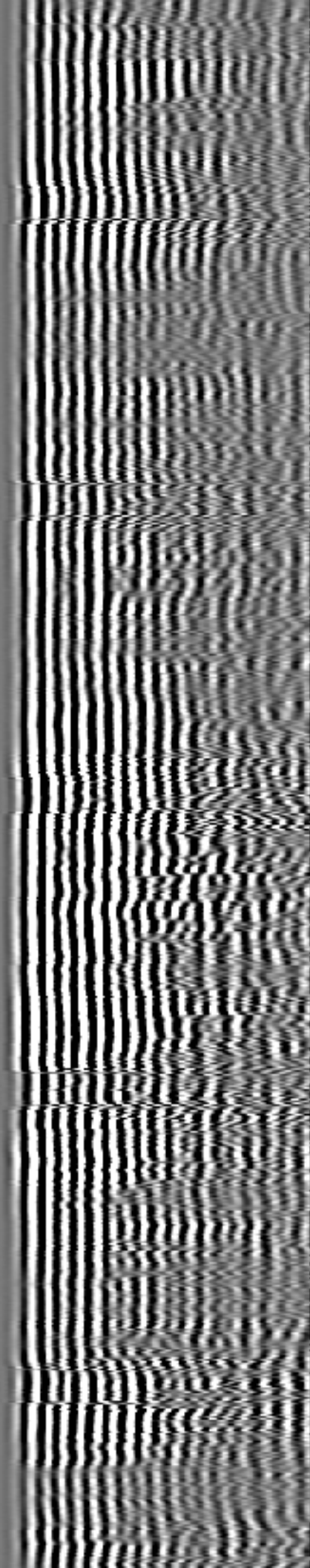
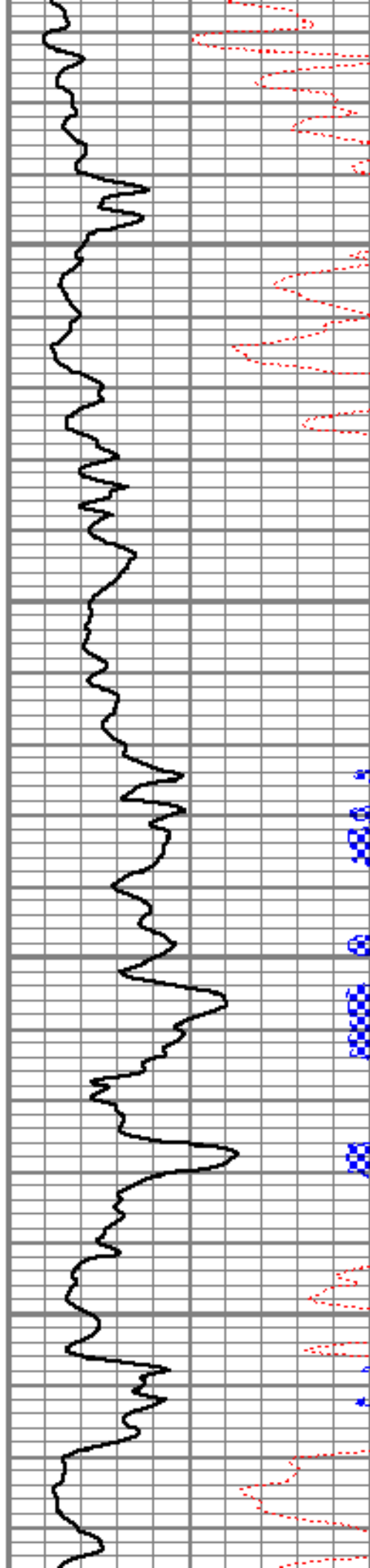


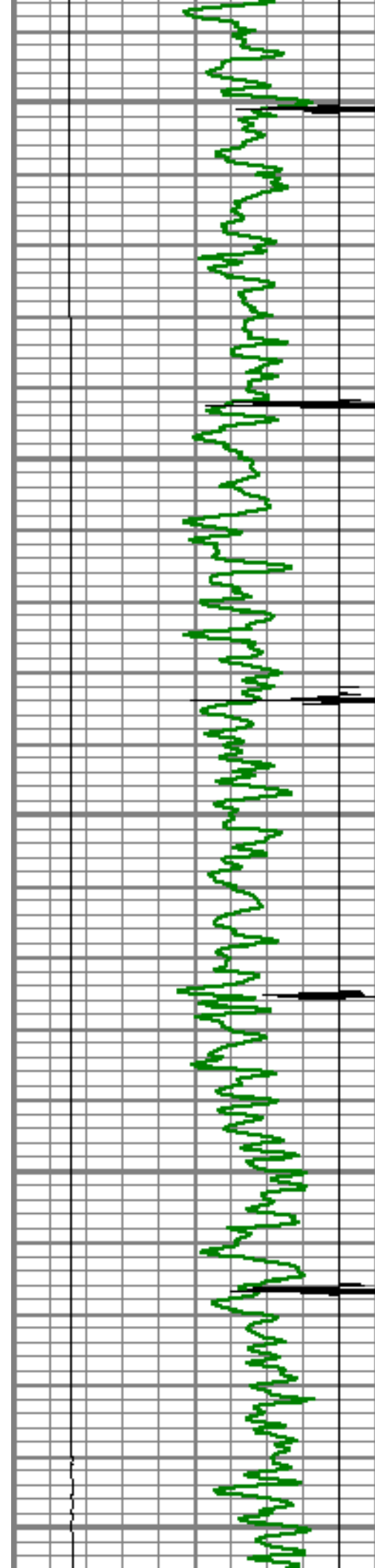
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4350

4400





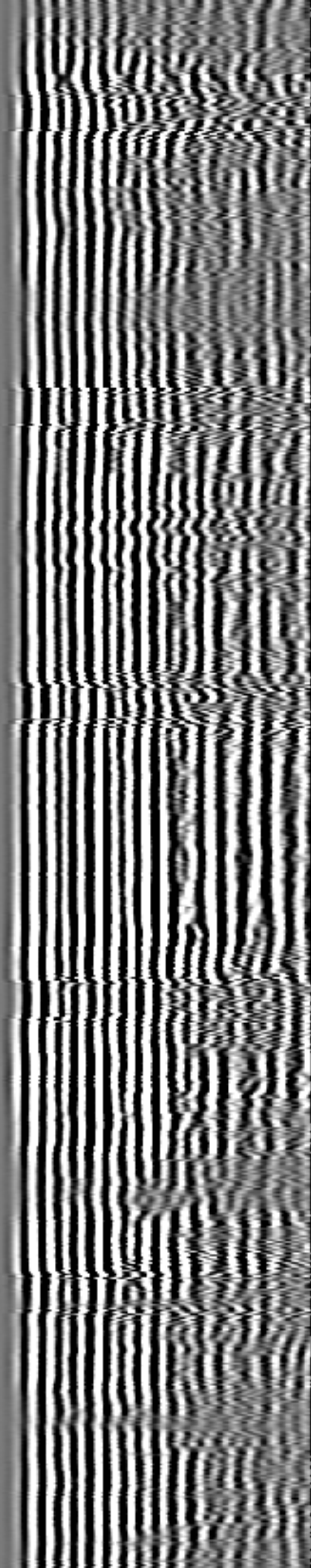
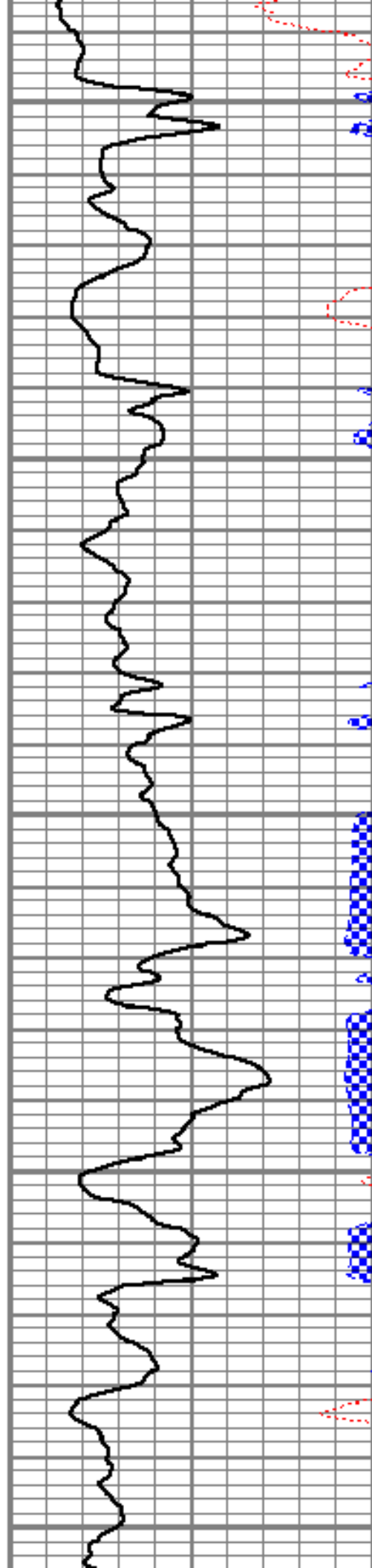
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4500

4550

4600

4650





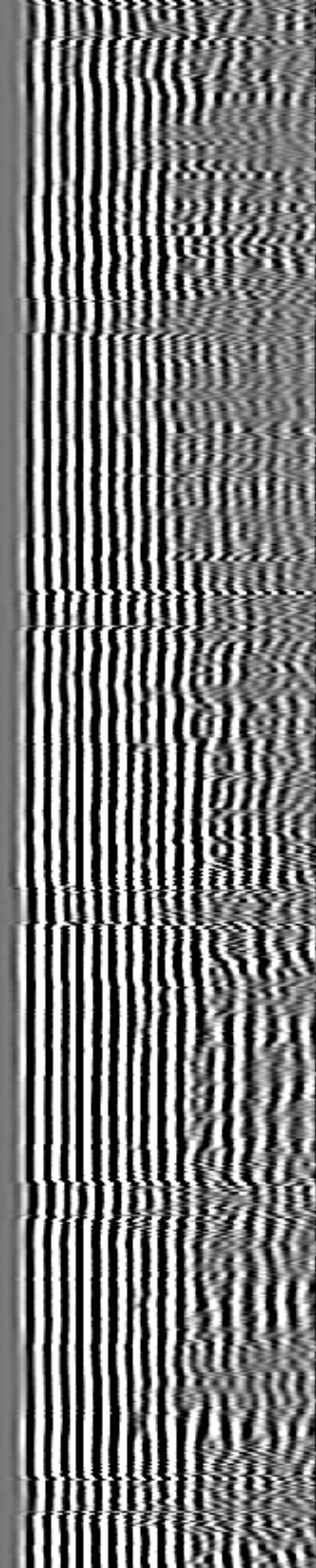
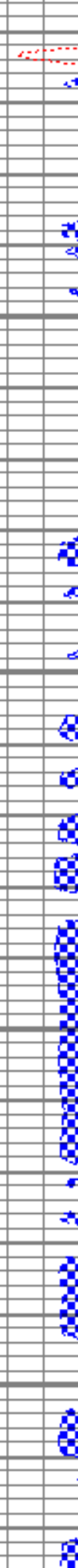
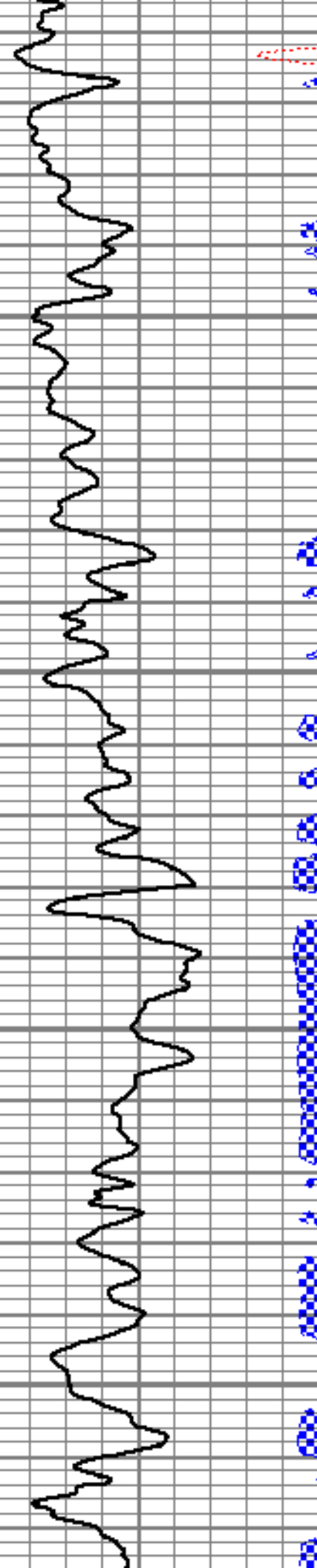


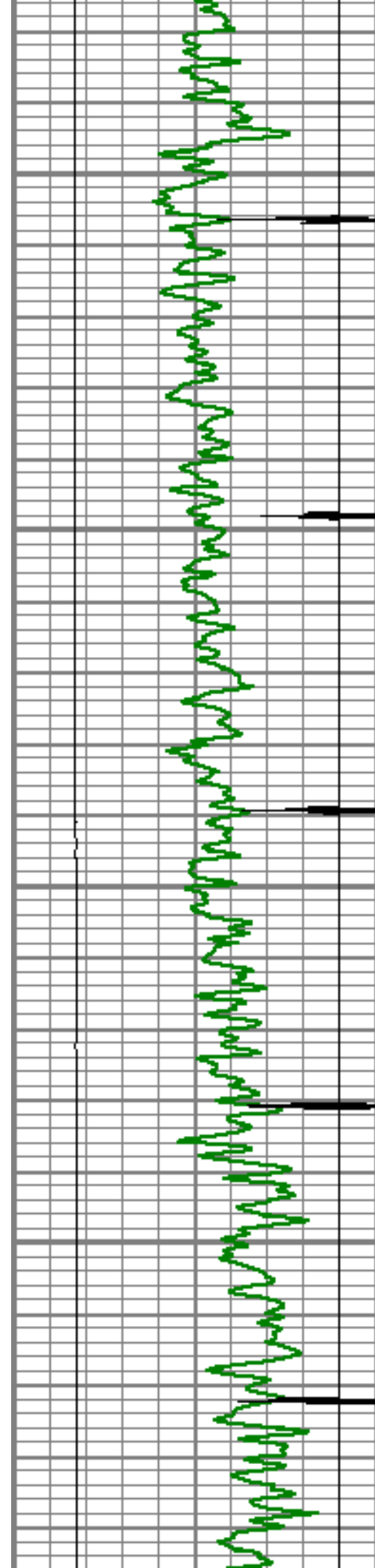
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4800

4850



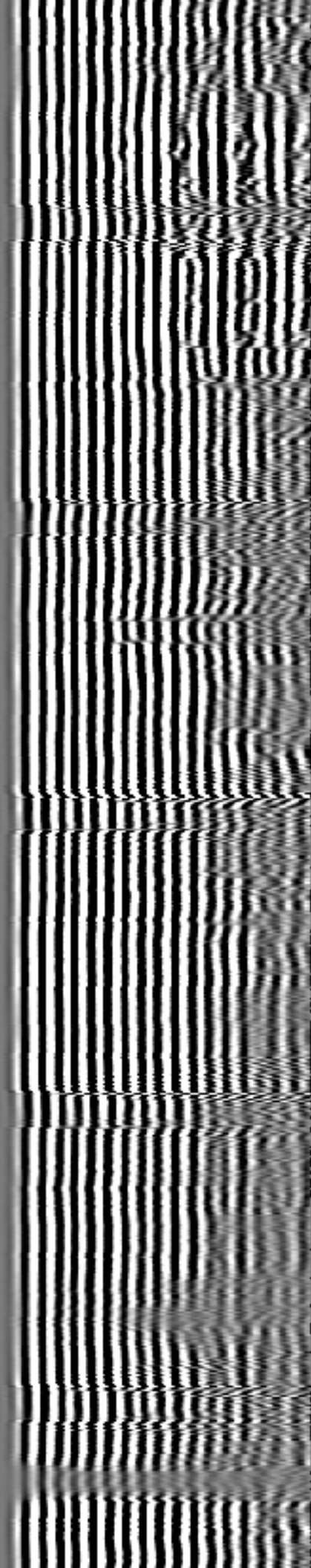
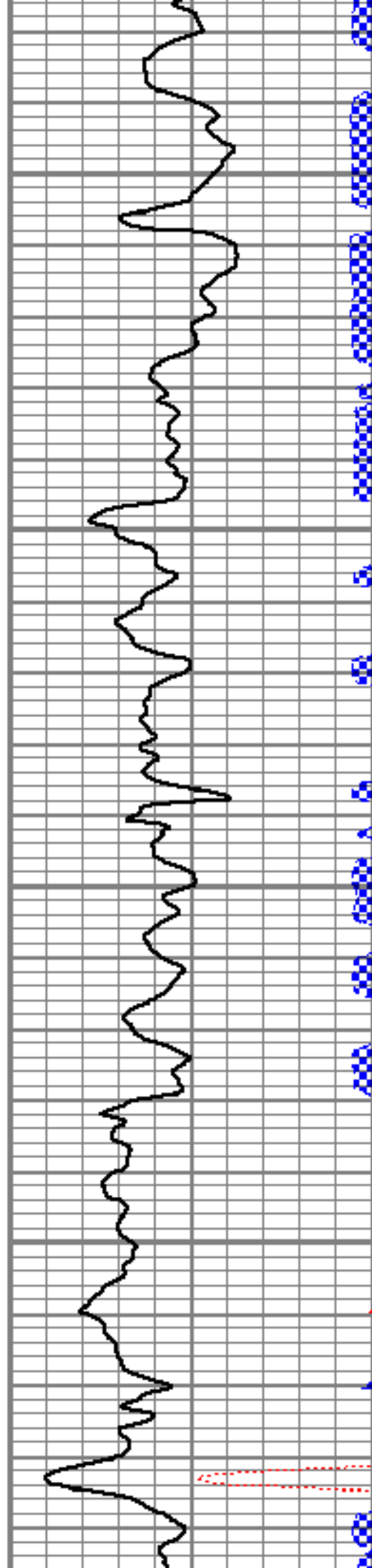


4900

4950

5000

5050





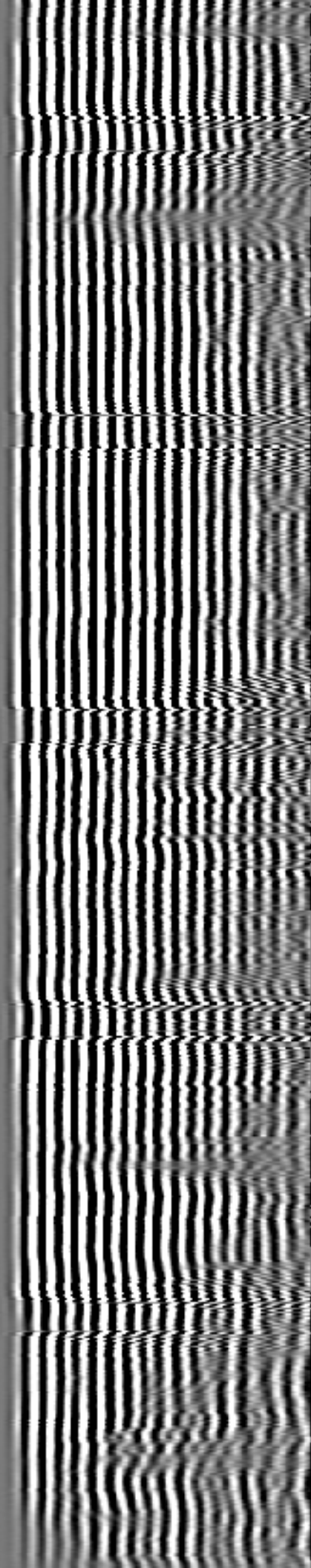
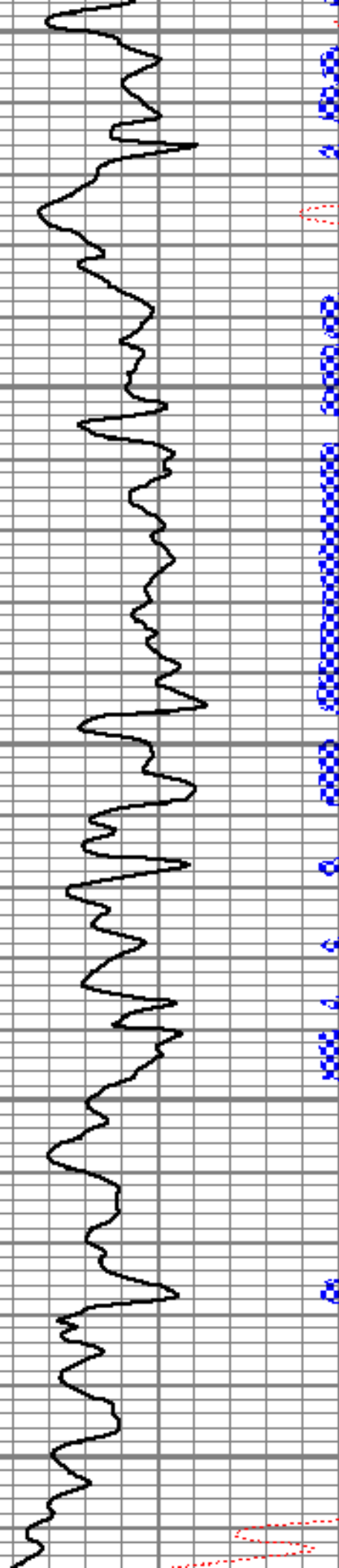
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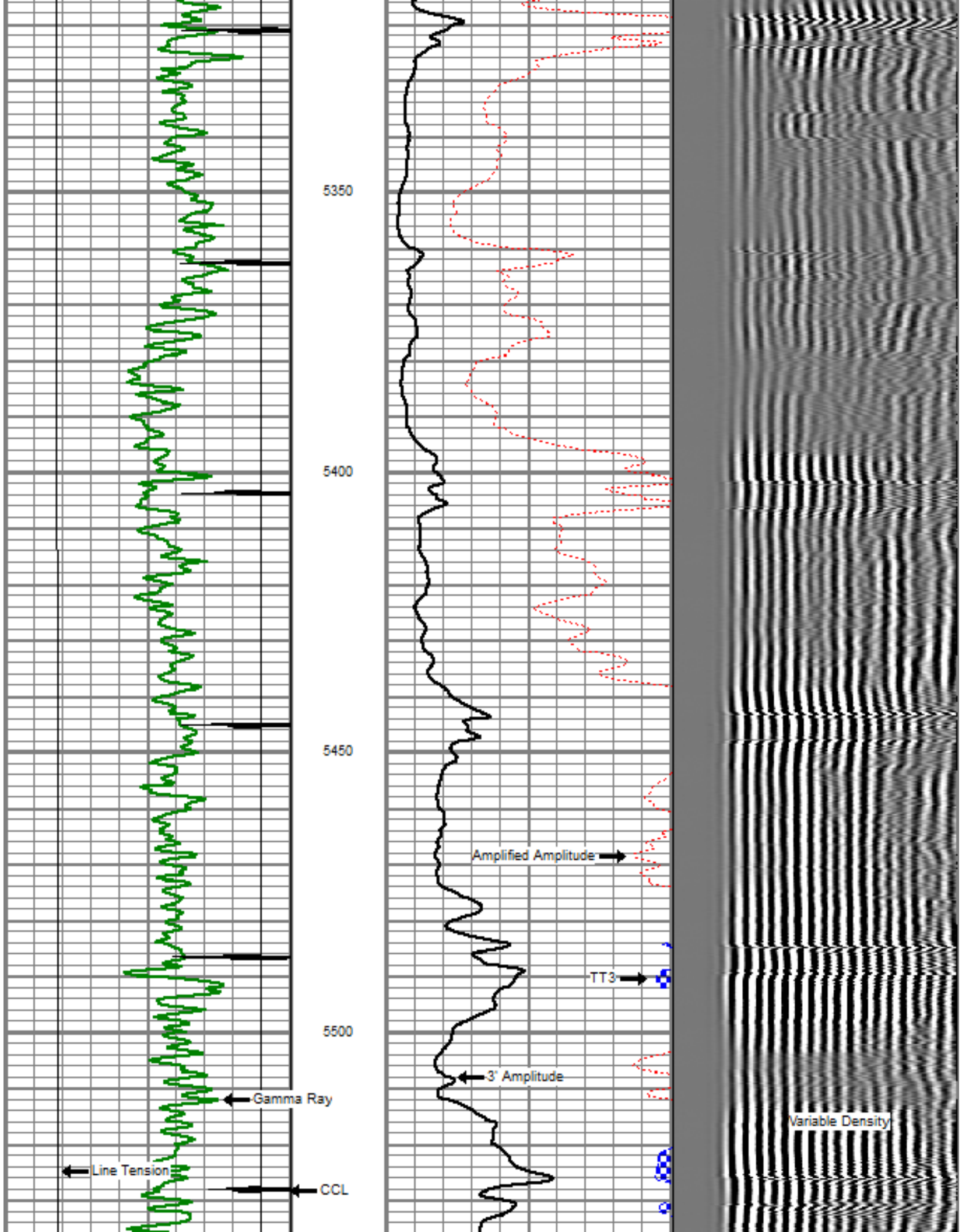
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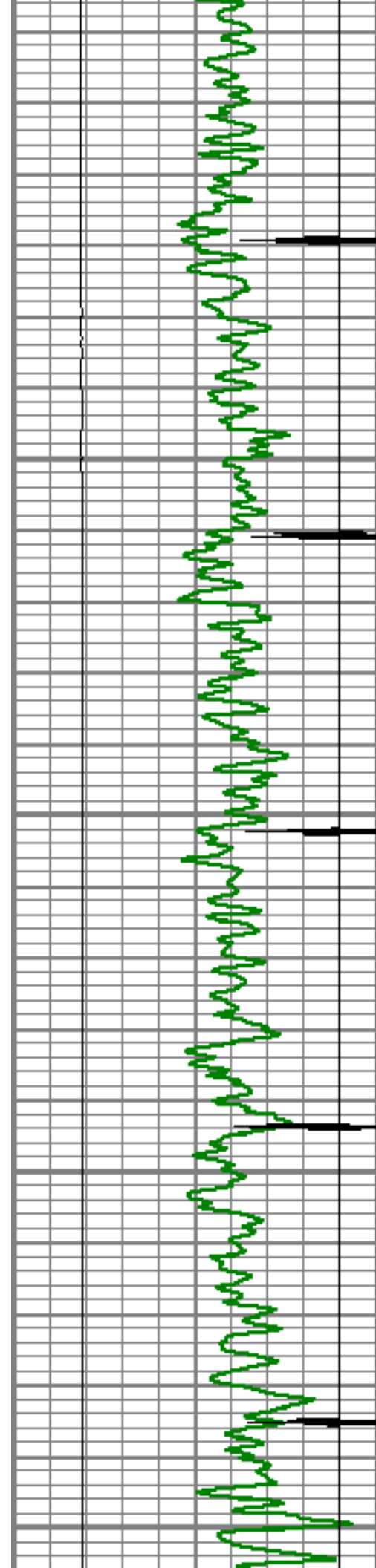
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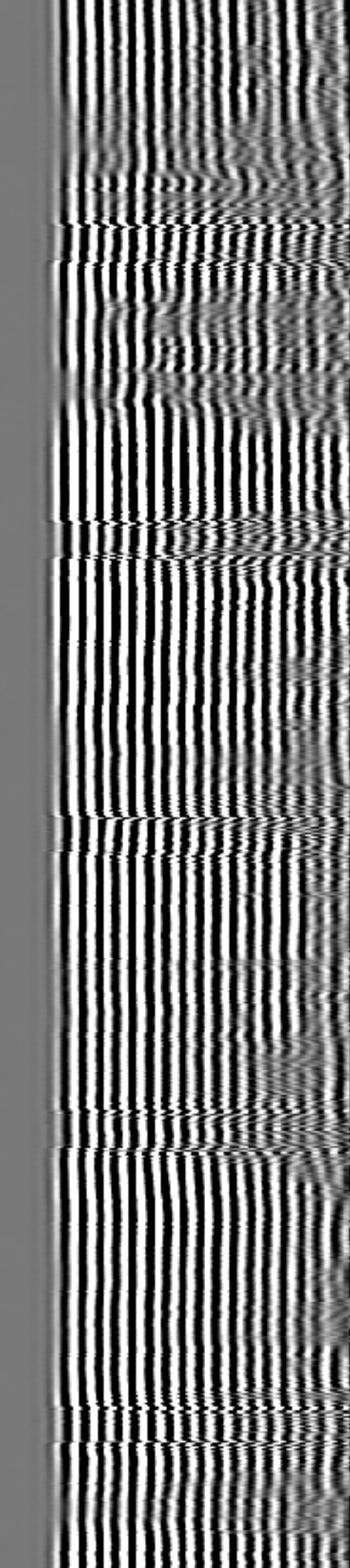
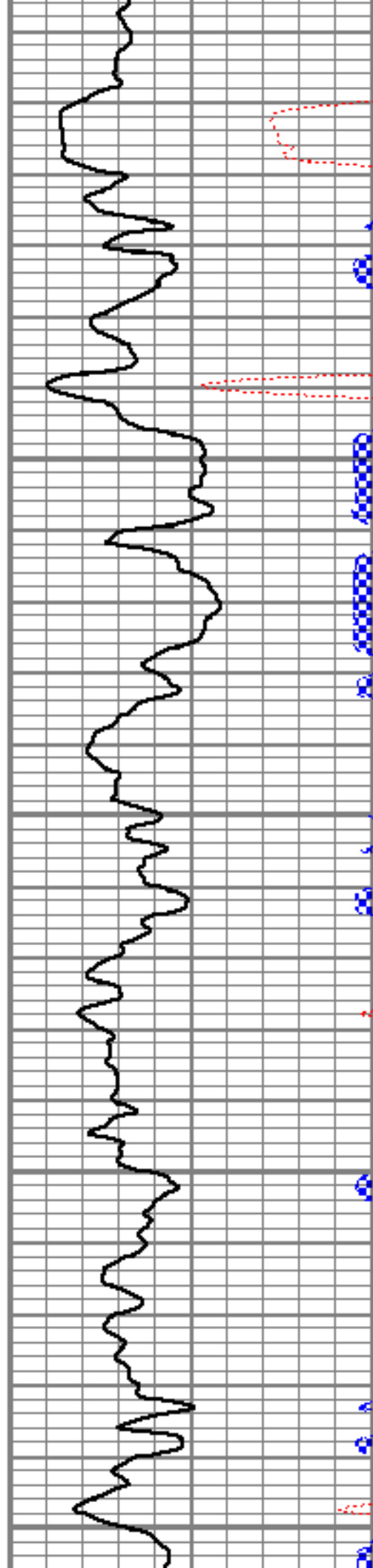
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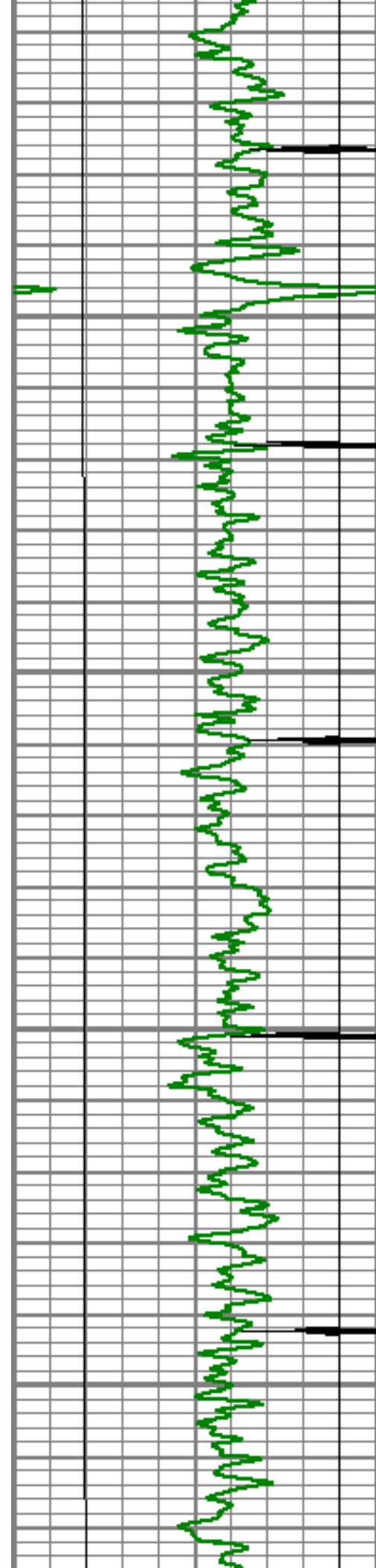
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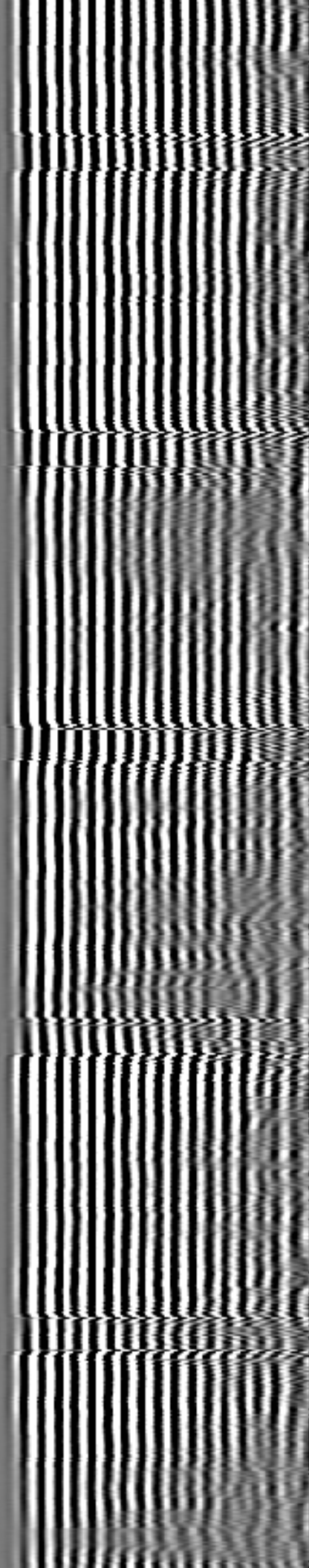
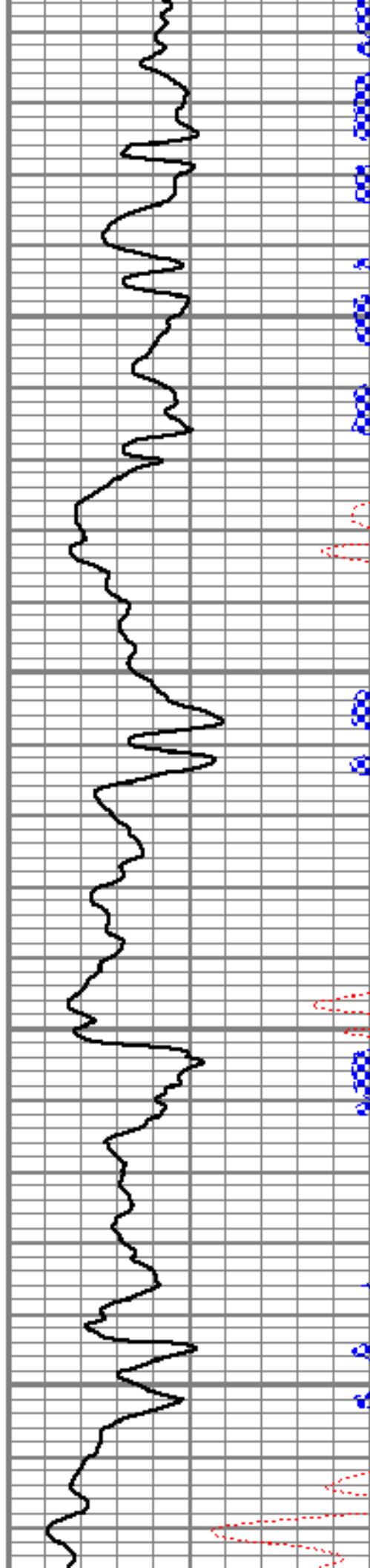


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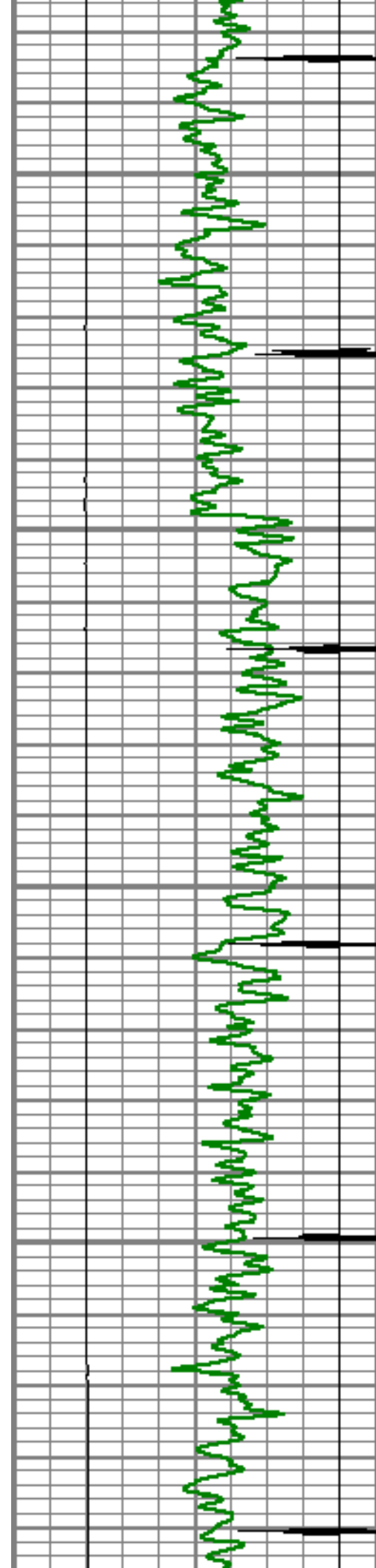
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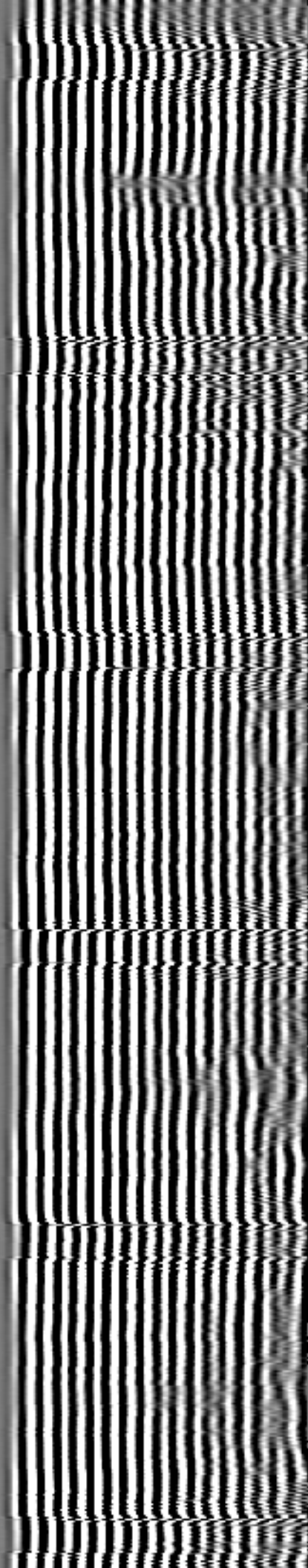
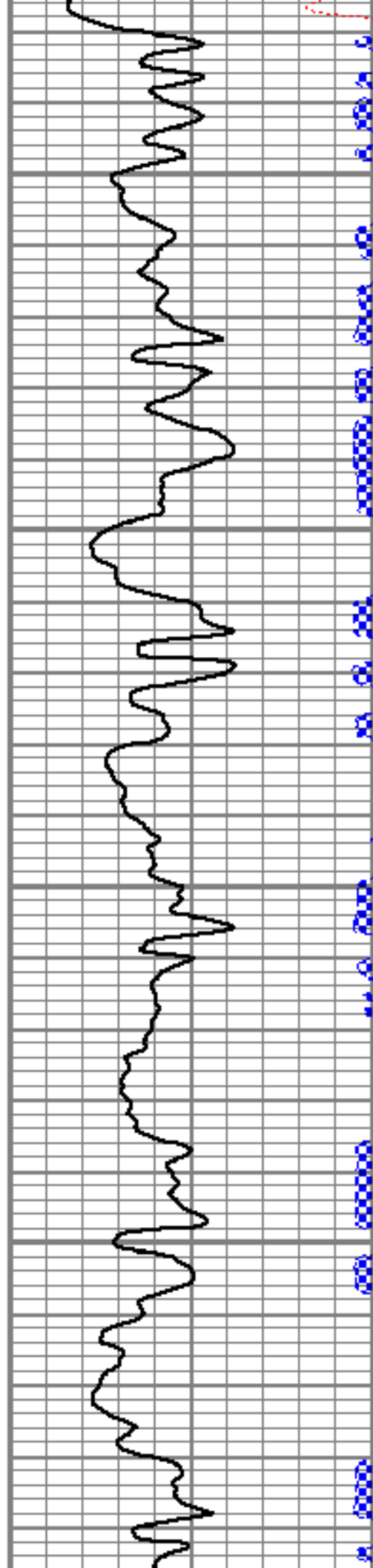


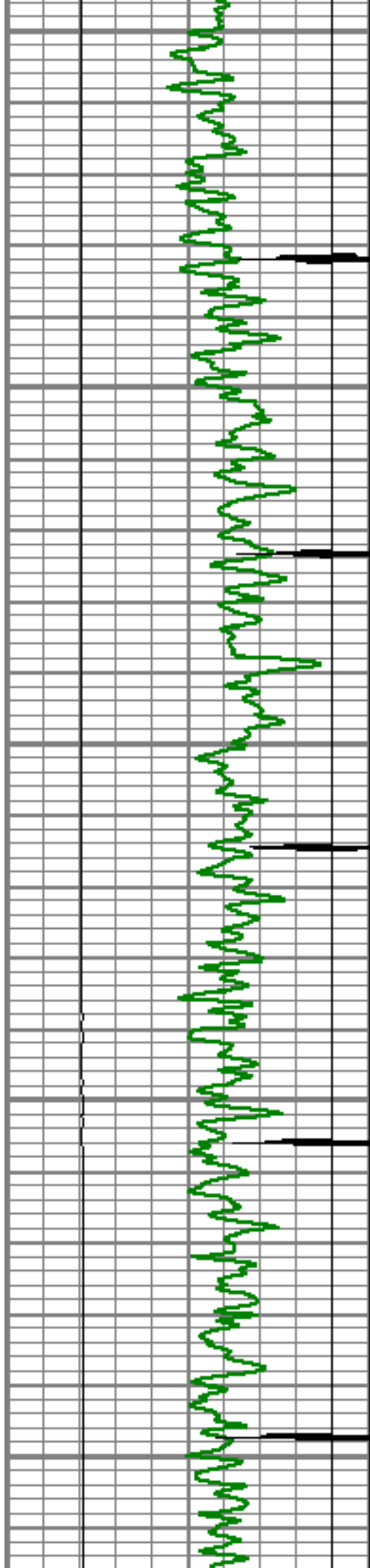
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6100

6150





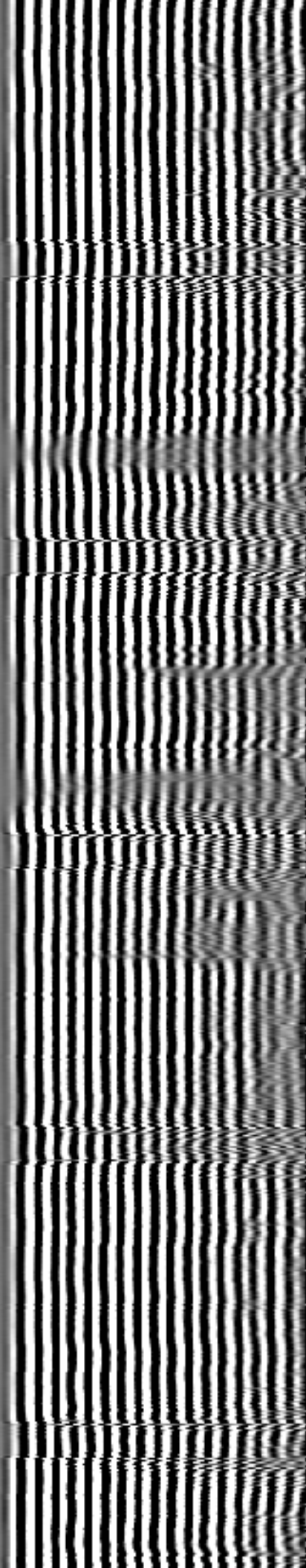
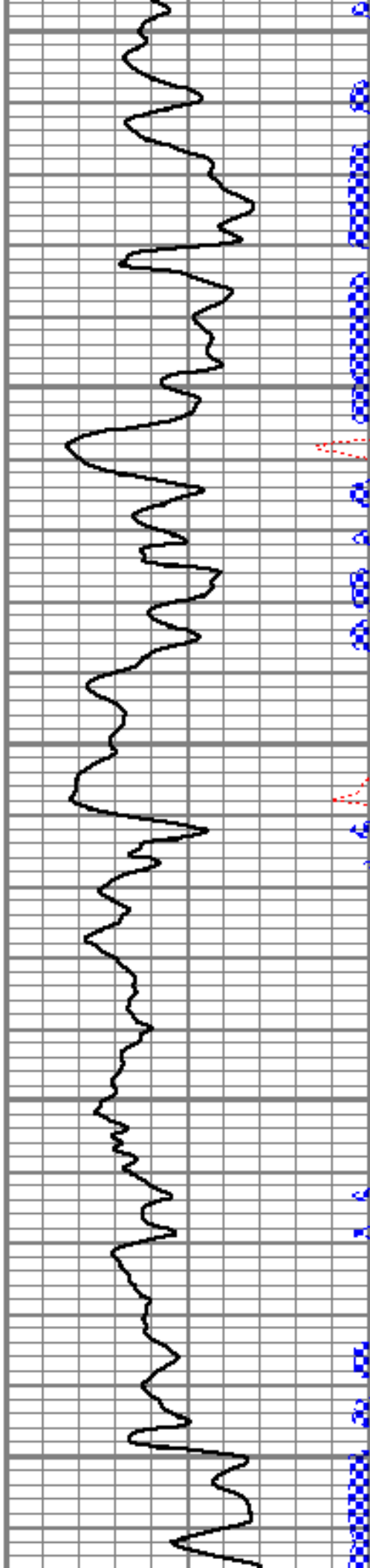
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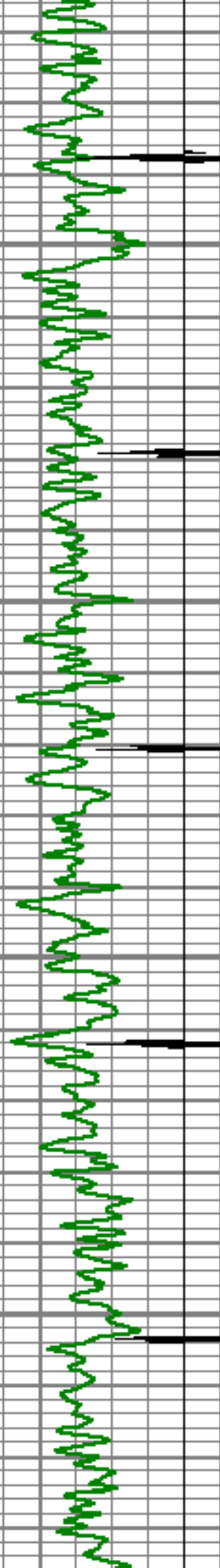
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6350

6400



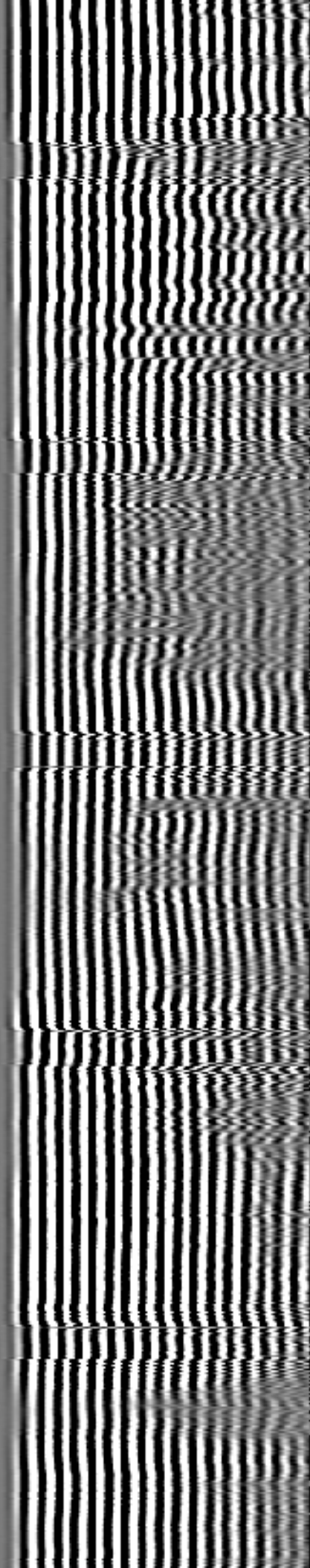
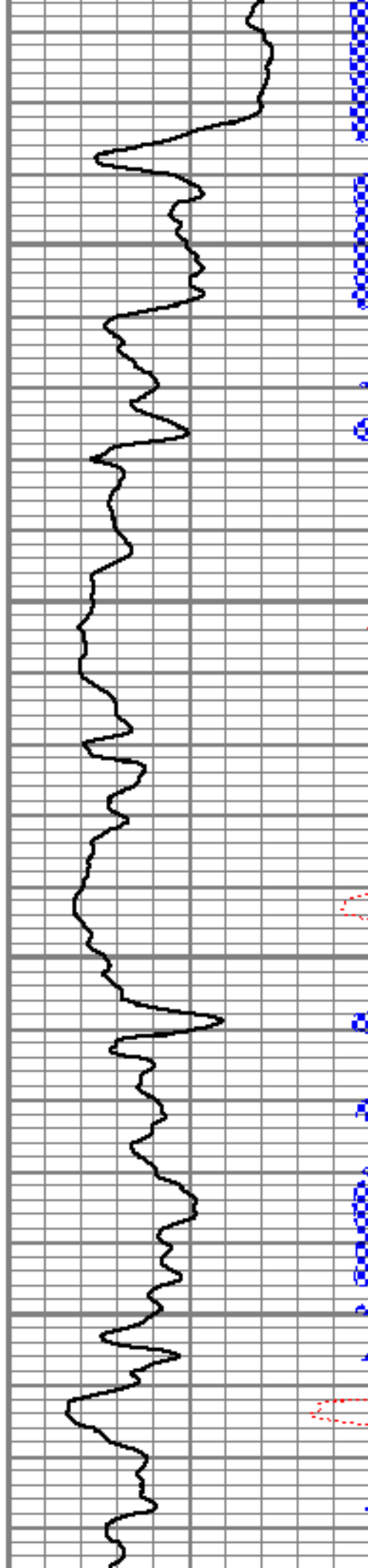


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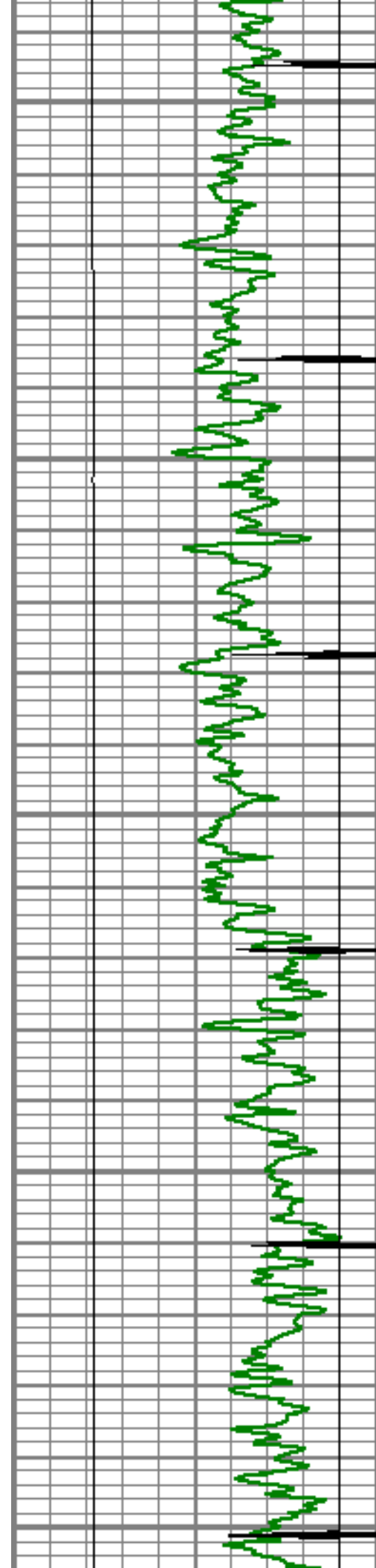
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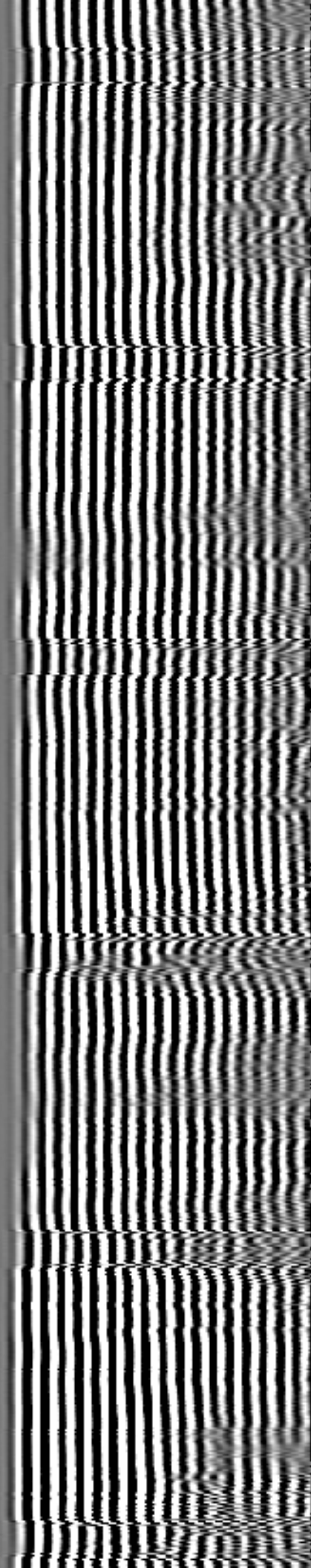
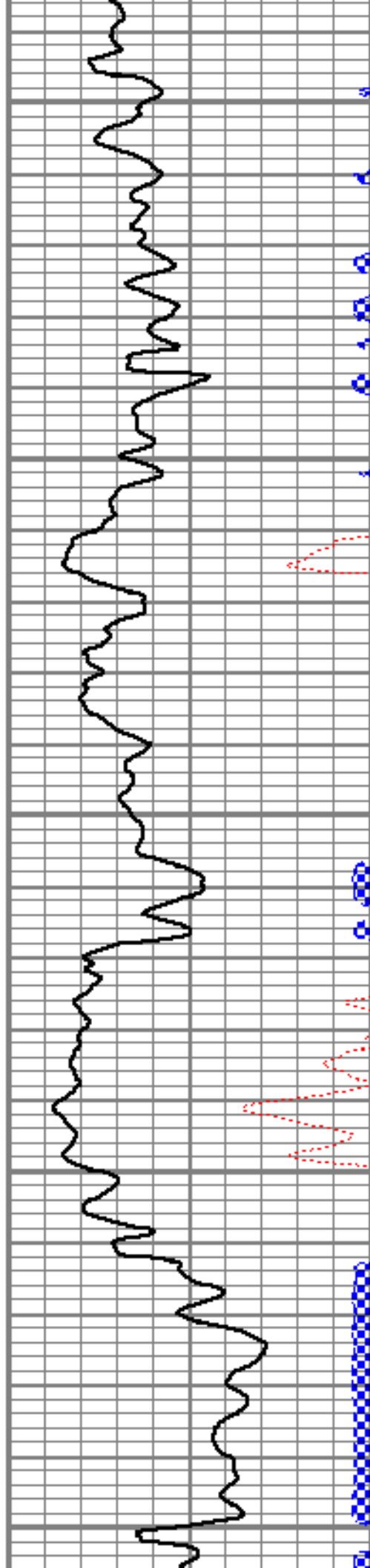
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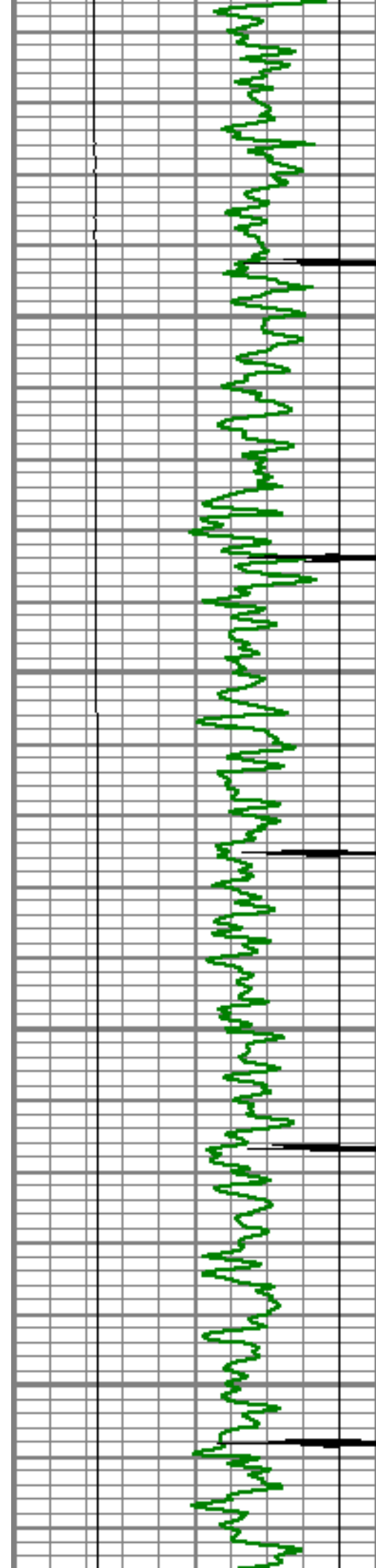
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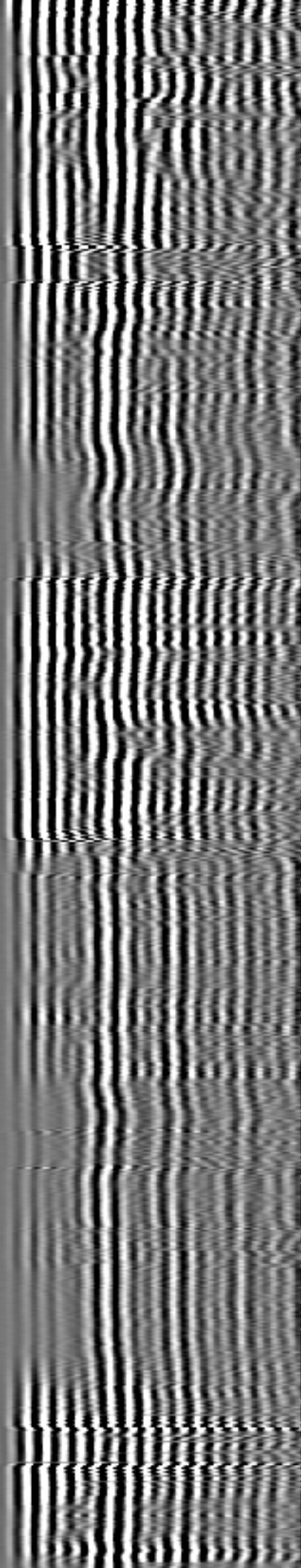
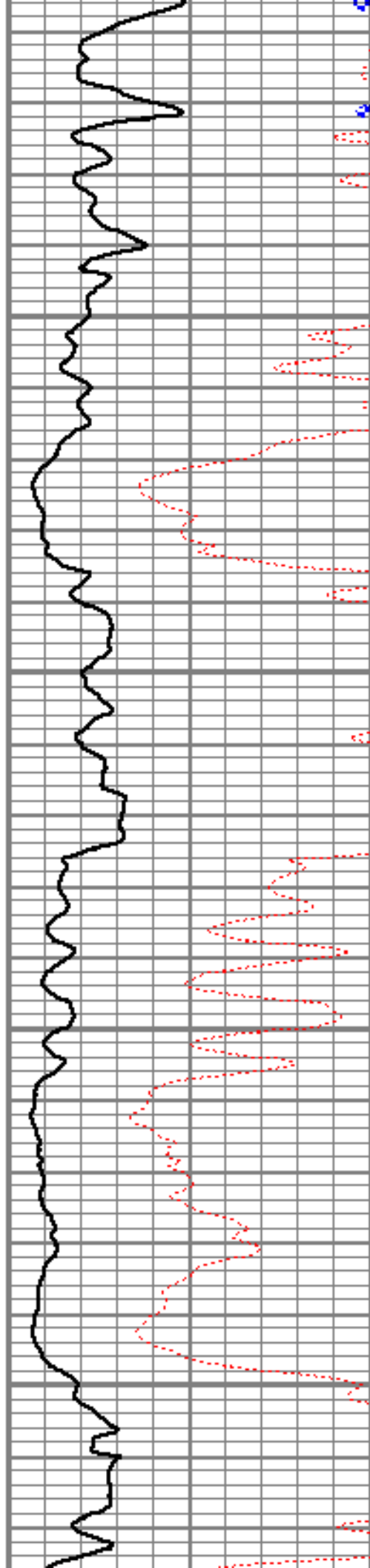


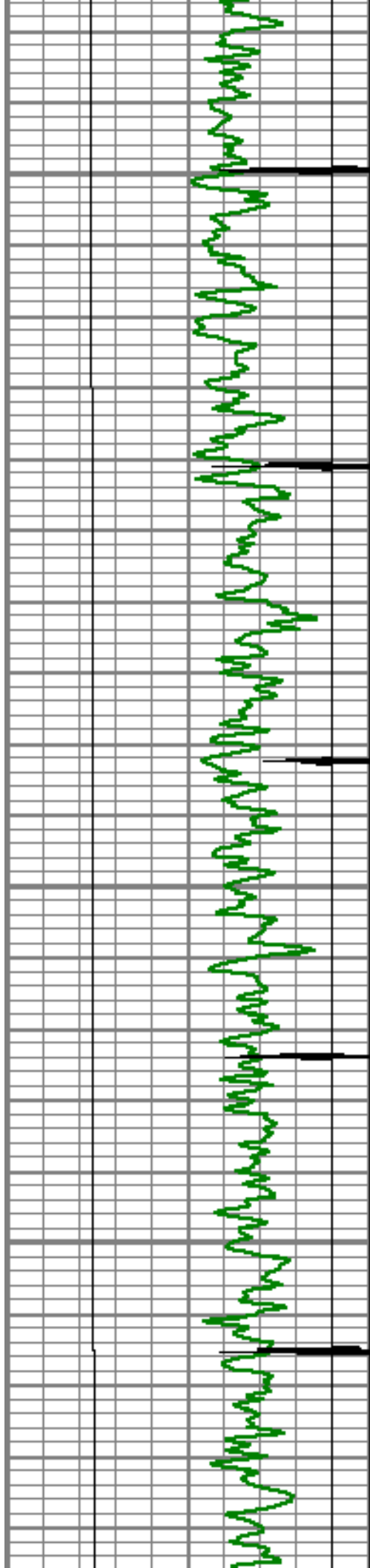
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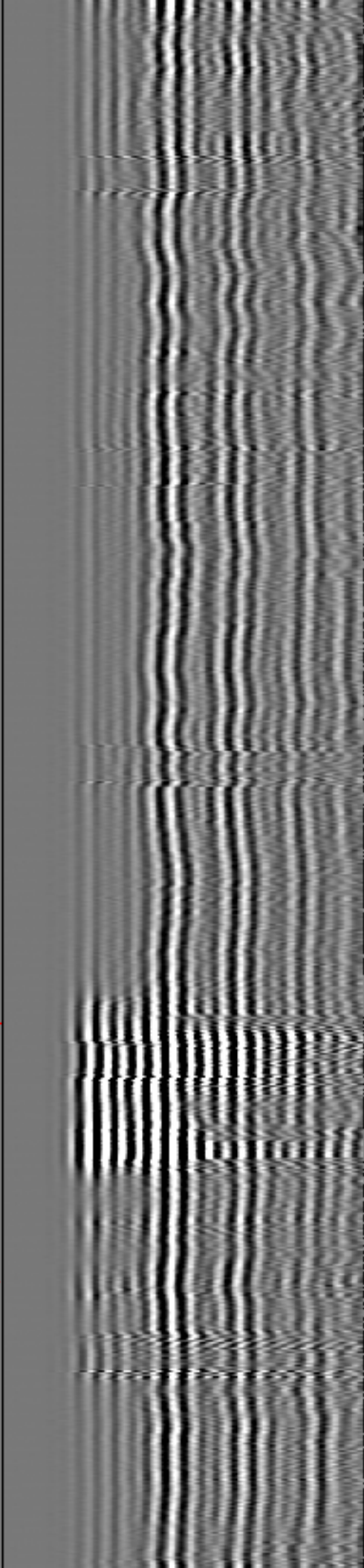
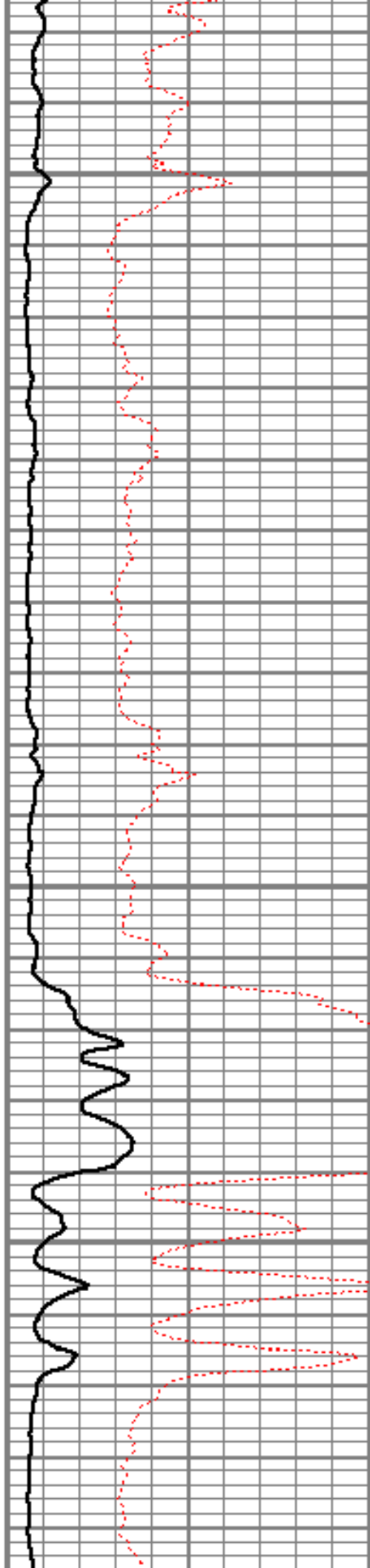


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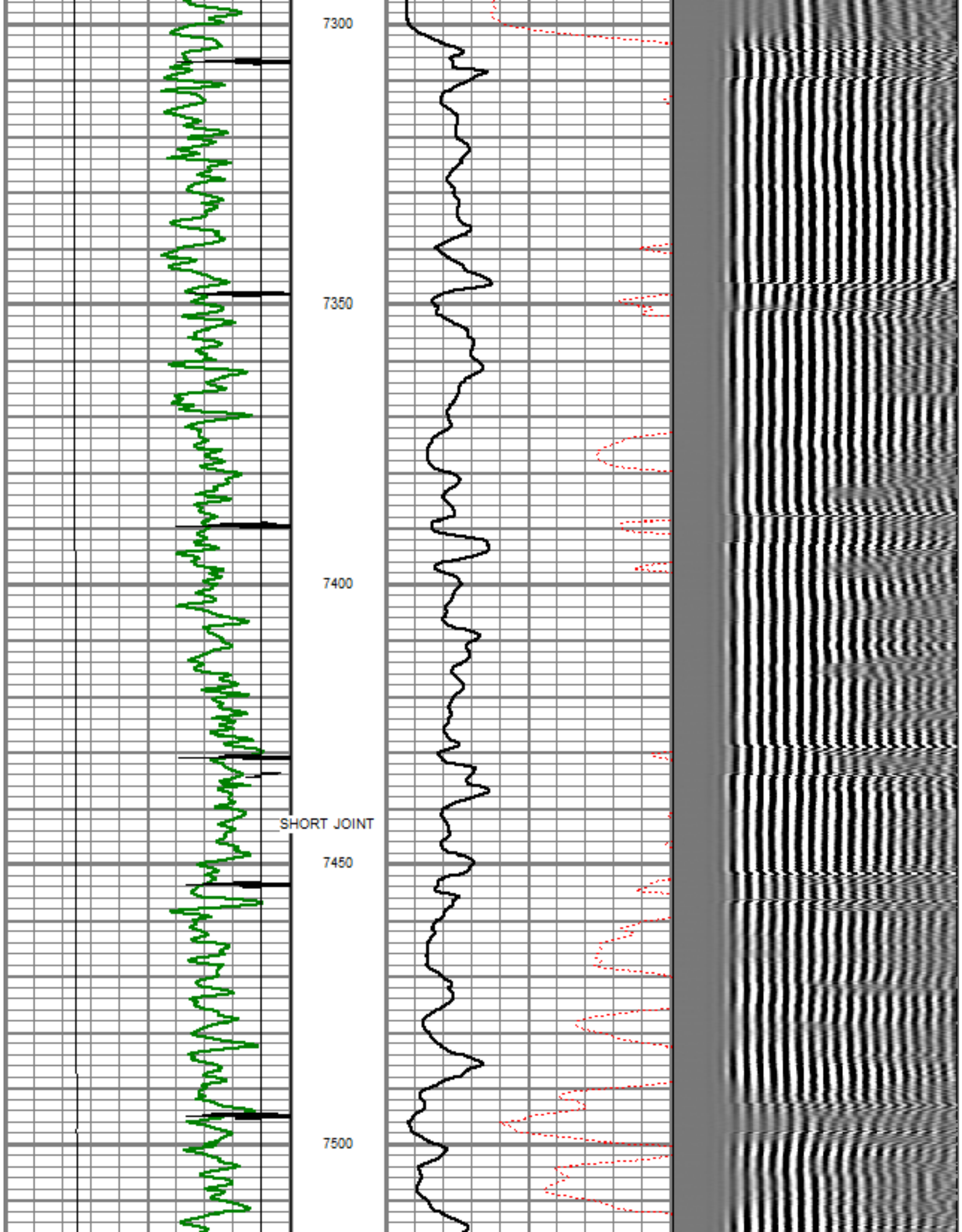
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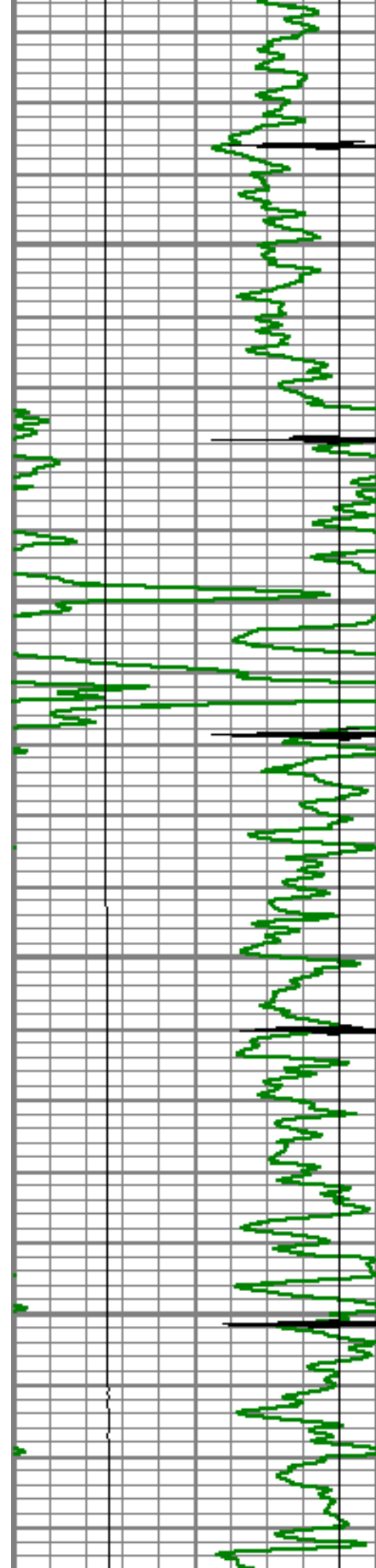
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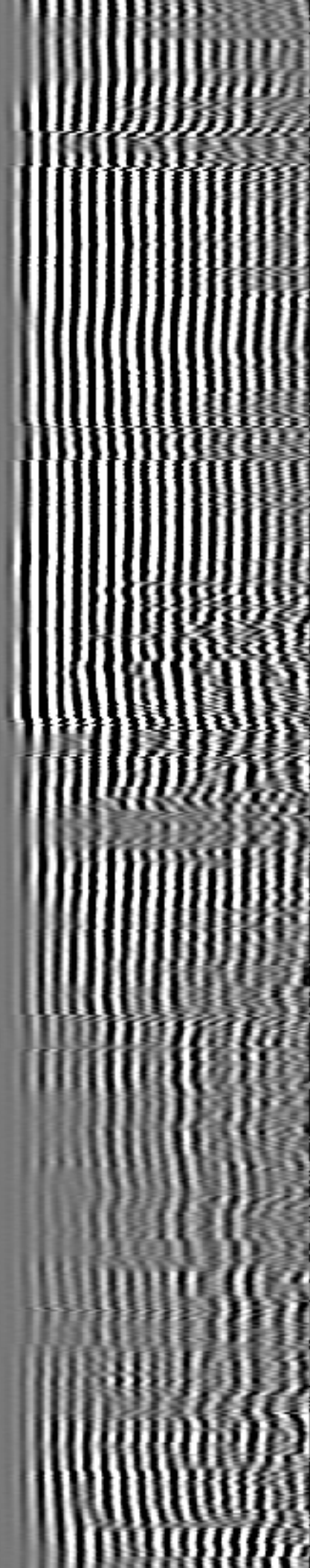
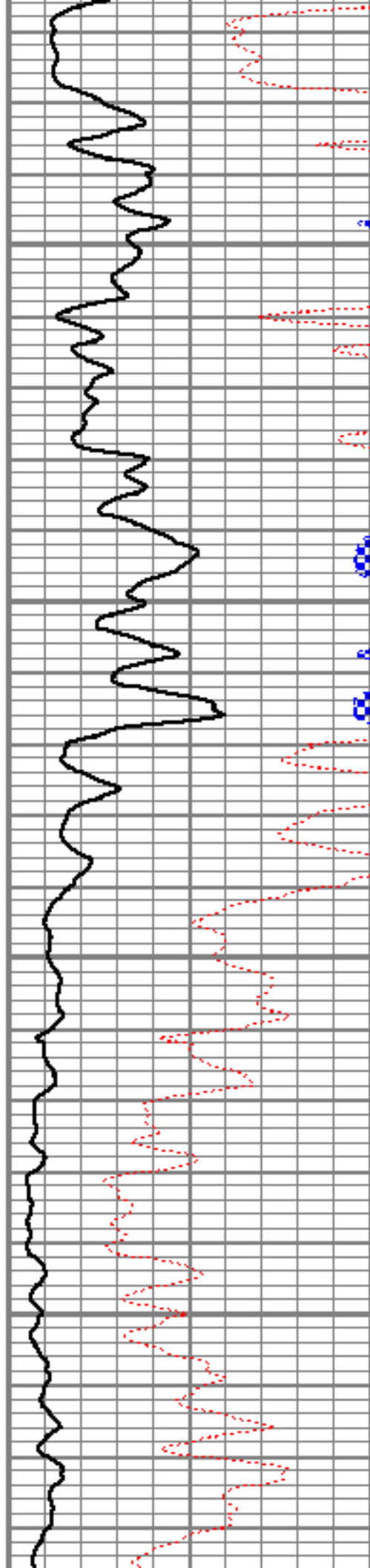


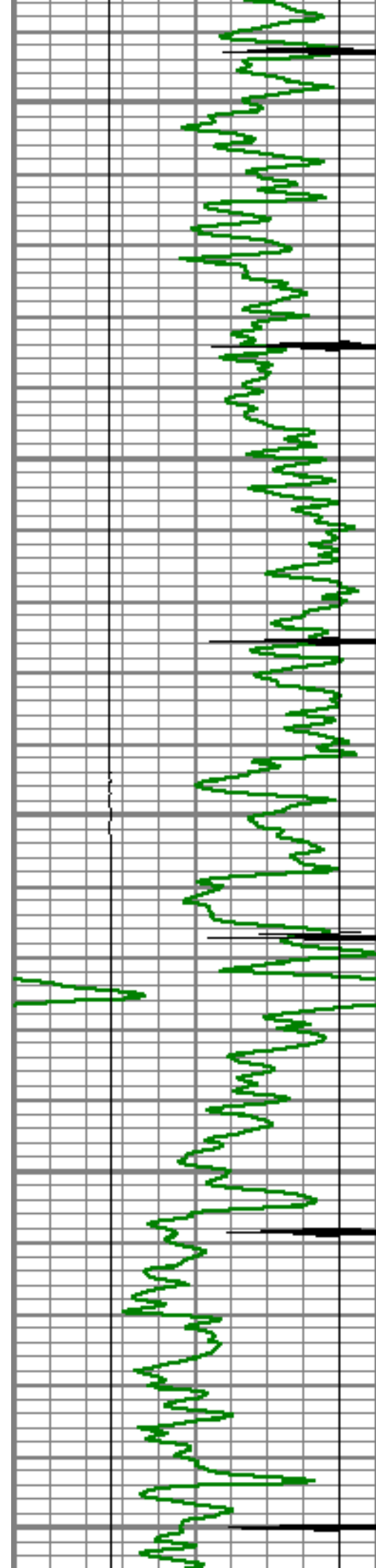
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7700





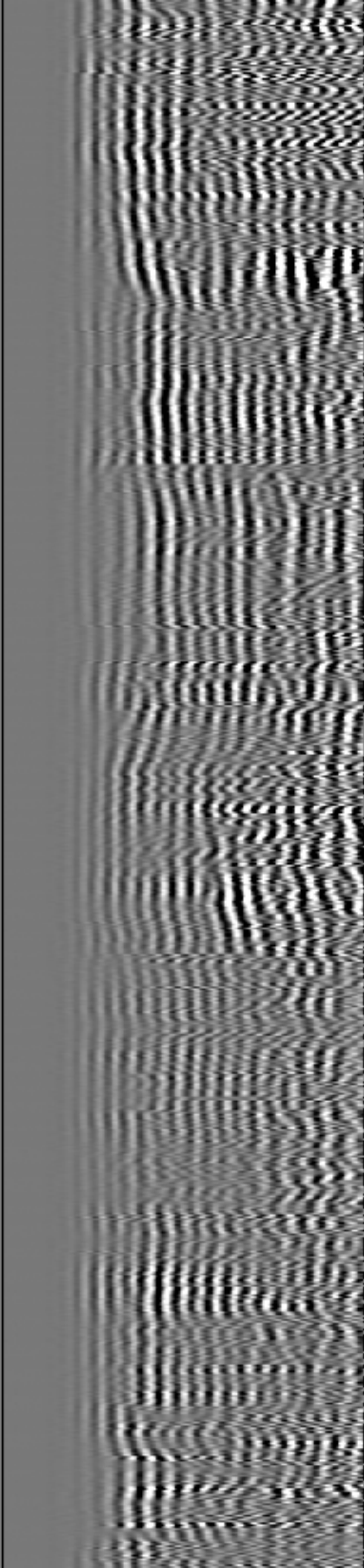
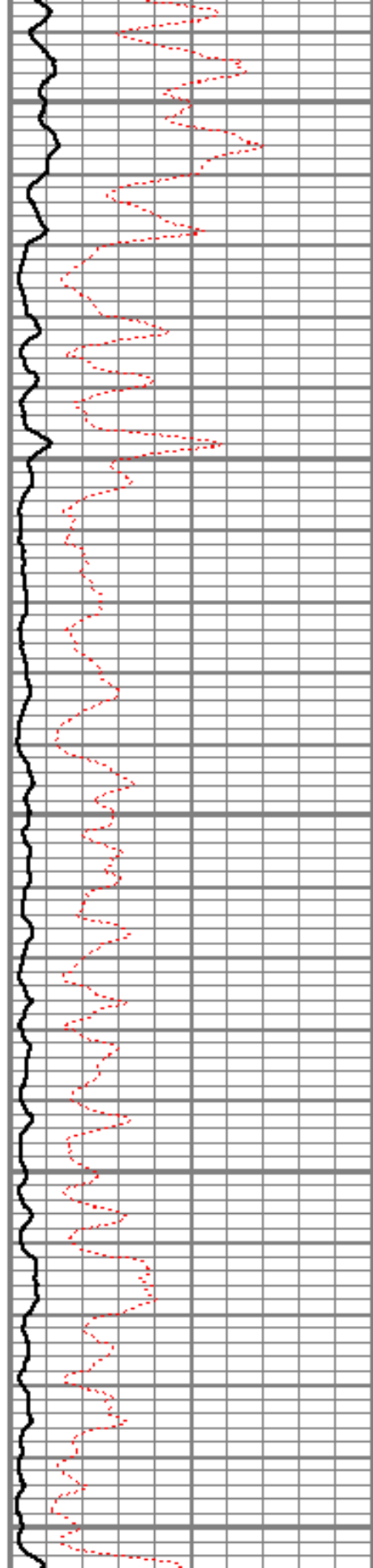
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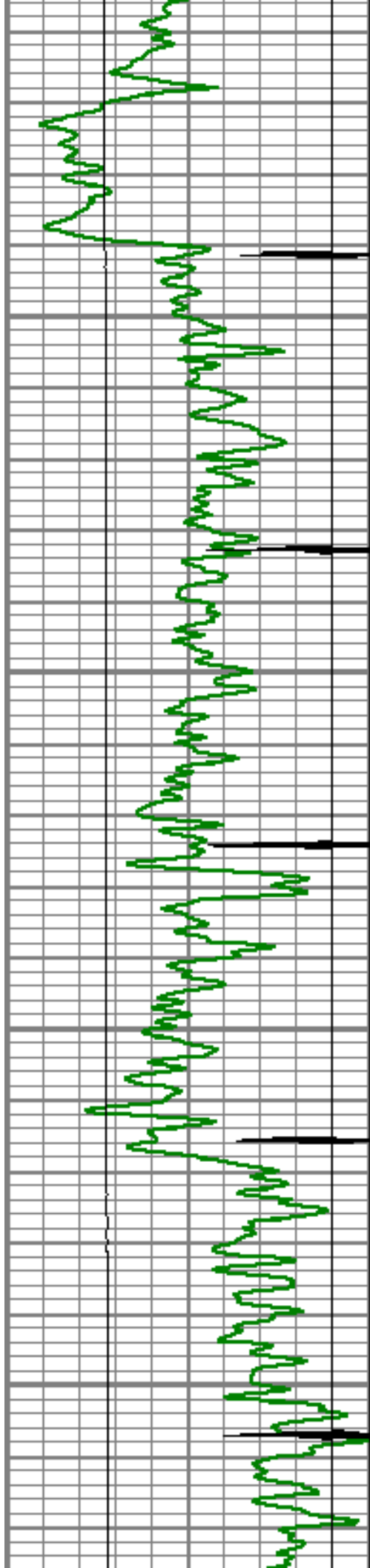
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7950





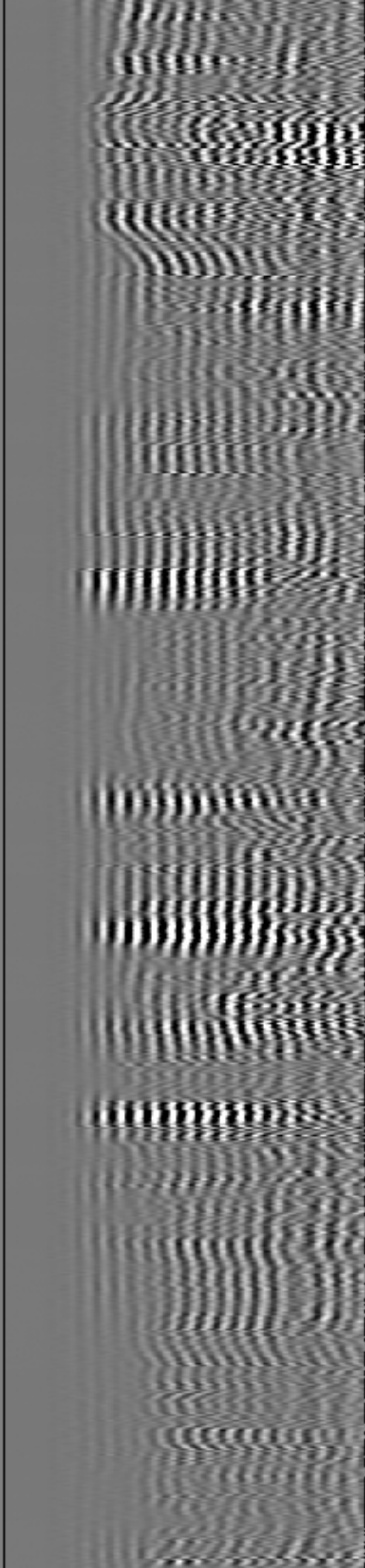
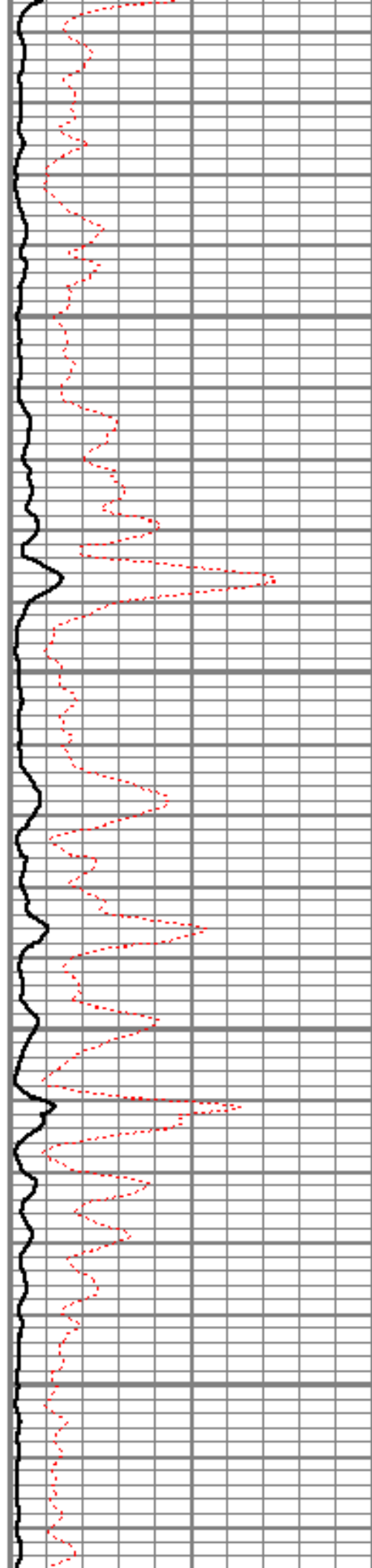


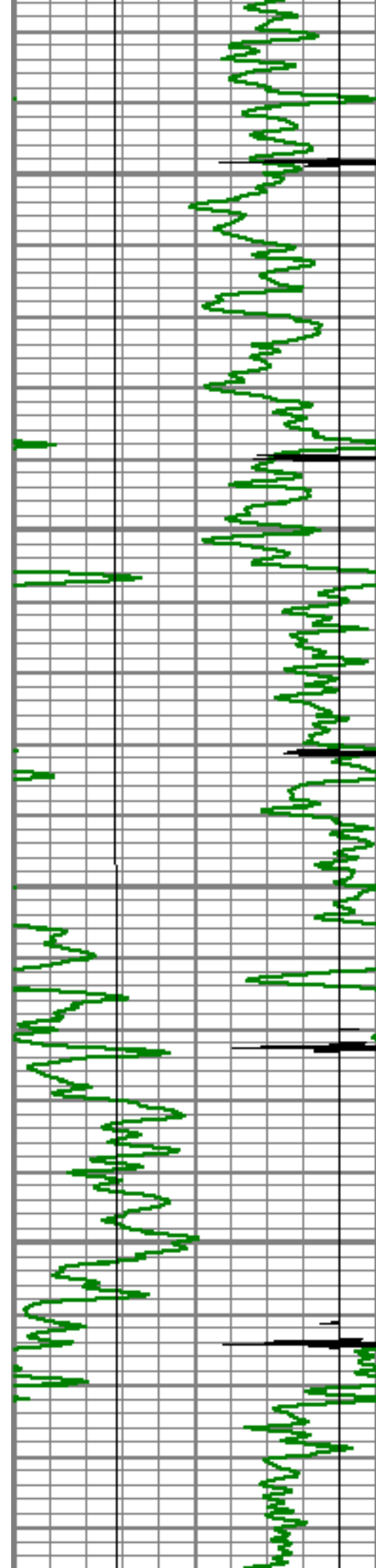
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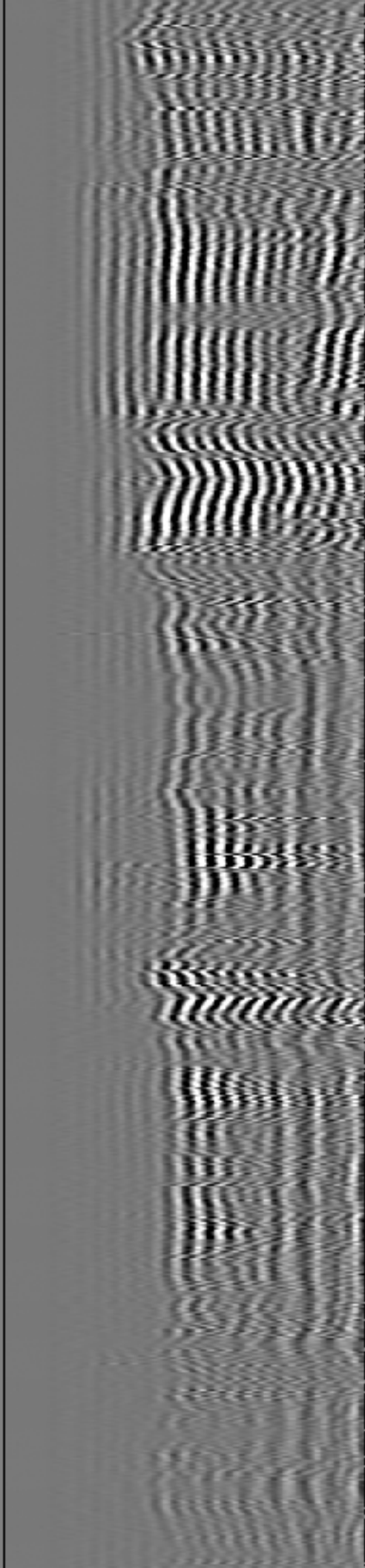
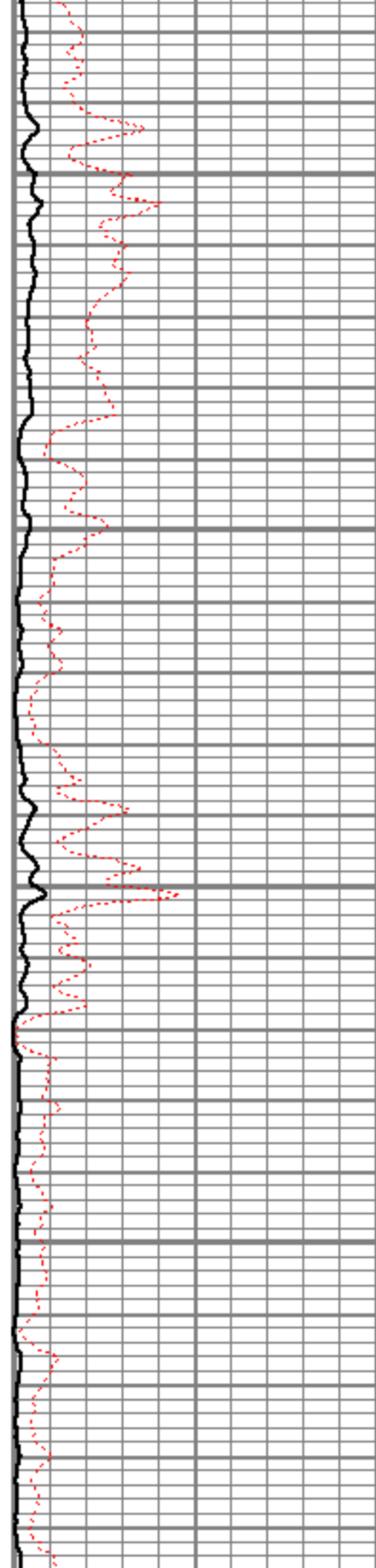


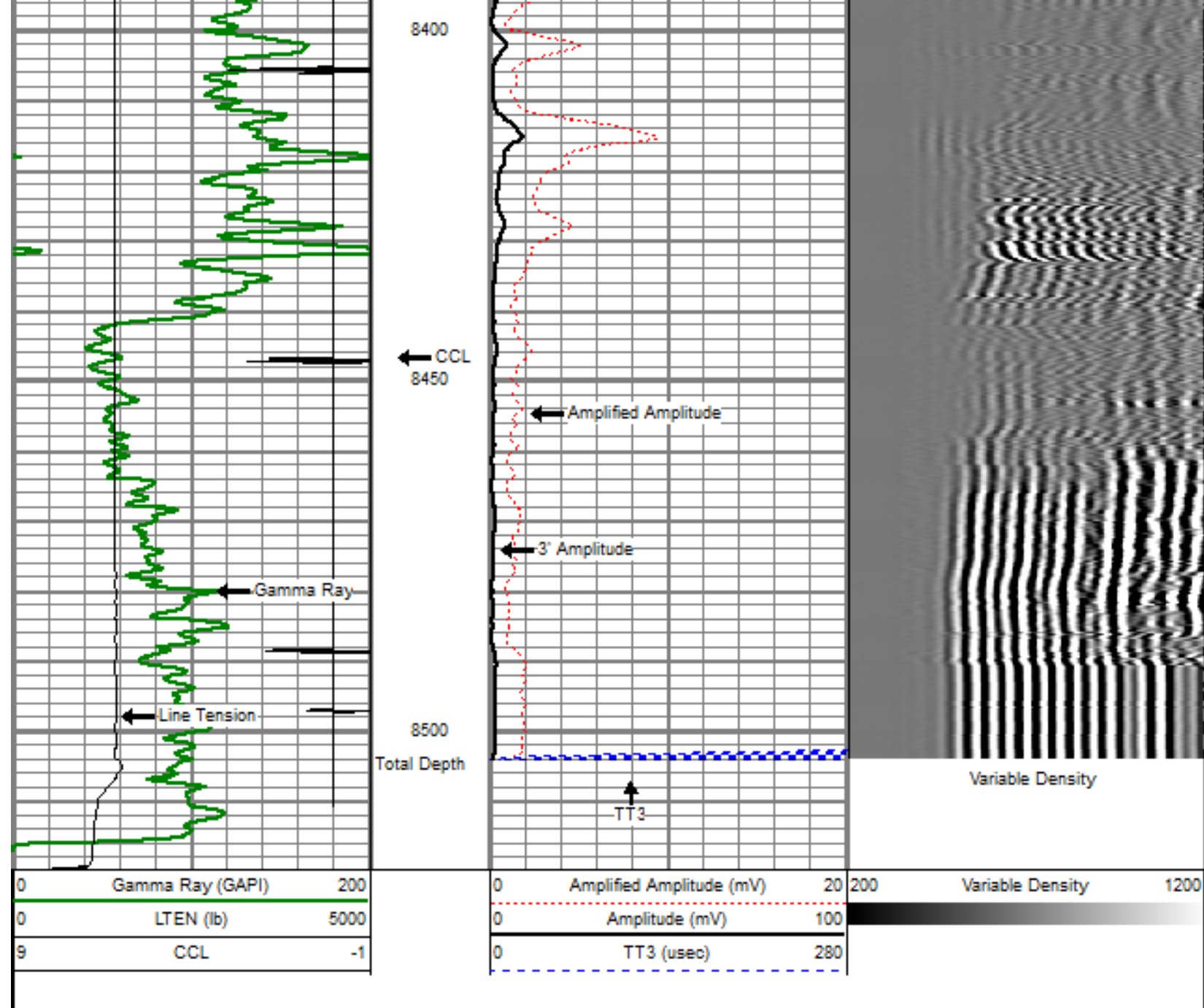
8200

8250

8300

8350





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			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



WVF3	16.56			CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77.1) Probe 2.75" Dual Receiver Bond	2.75	00.00
WVF5	15.56					
				Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	10.00
CCL	8.21			CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_02.02) Probe 2 Magnet CCL	2.75	
				GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	30.00
GR	3.63					
				TEMP-Comprobe (TEMP_CMPRB_1375_01) Positive pulse Temp tool	2.88	15.00
TEMP	0.17					
Dataset: bury crandell 6-0-23.db: field/well/run1/pass4.1 Total Length: 24.98 ft Total Weight: 126.50 lb O.D. 2.75 in						



Company ENCANA OIL & GAS (USA) INC.  
 Well BURY CRANDELL 6-0-23  
 Field WATTENBERG  
 County BROOMFIELD  
 State COLORADO