

CEMENT BOND LOG



Mesa Wireline

Company ENCANA OIL & GAS (USA) INC.		Company ENCANA OIL & GAS (USA) INC.	
Well RASMUSSEN 0-6-19		Well RASMUSSEN 0-6-19	
Field WATTENBERG		Field WATTENBERG	
County WELD		County WELD	
State COLORADO		State COLORADO	
Location: API #: 05-123-32249-0000		Other Services	
SHL: 1001' FSL & 1004' FWL BHL: 1500' FSL & 50' FWL SEC. 19 TWP. 2N RGE. 68W		NONE	
Permanent Datum GROUND LEVEL Elevation 5001'		Elevation	
Log Measured From KELLY BUSHING = 13'		K.B. 5014'	
Drilling Measured From KELLY BUSHING		D.F. 5015'	
		G.L. 5001'	

Date	6 MARCH 2012						
Run Number	ONE						
Depth Driller	8245'						
Depth Logger	8206'						
Bottom Logged Interval	8206'						
Top Log Interval	2800'						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	~8.34 LBS/GAL						
Max. Recorded Temp.	245 DegF						
Estimated Cement Top	3238'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	W0059 / PBO1						
Location	AULT, CO						
Recorded By	V. FULLER						
Witnessed By	TOM MAJORS						
Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0'	850'				
TWO	7.875"	0'	8245'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625"	24#	0'	797'			
Prot. String							
Production String	4.50"	11.6#	0'	8228'			
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 PSI HIGH RESOLUTION INDUCTION LOG DATED 14 FEB 2012.
SHORT JOINT = 7312' - 7334'

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



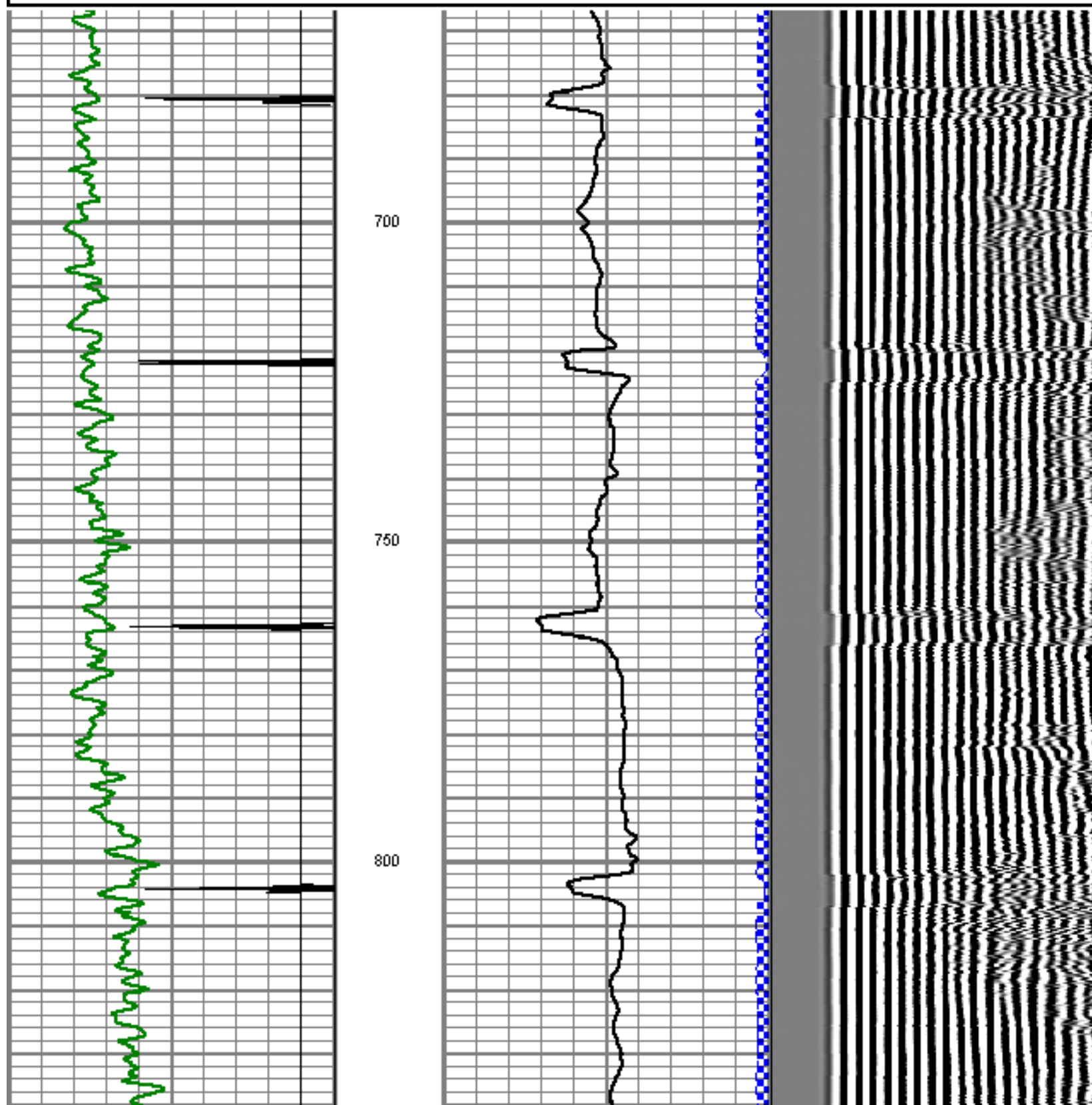
SURFACE CASING PASS

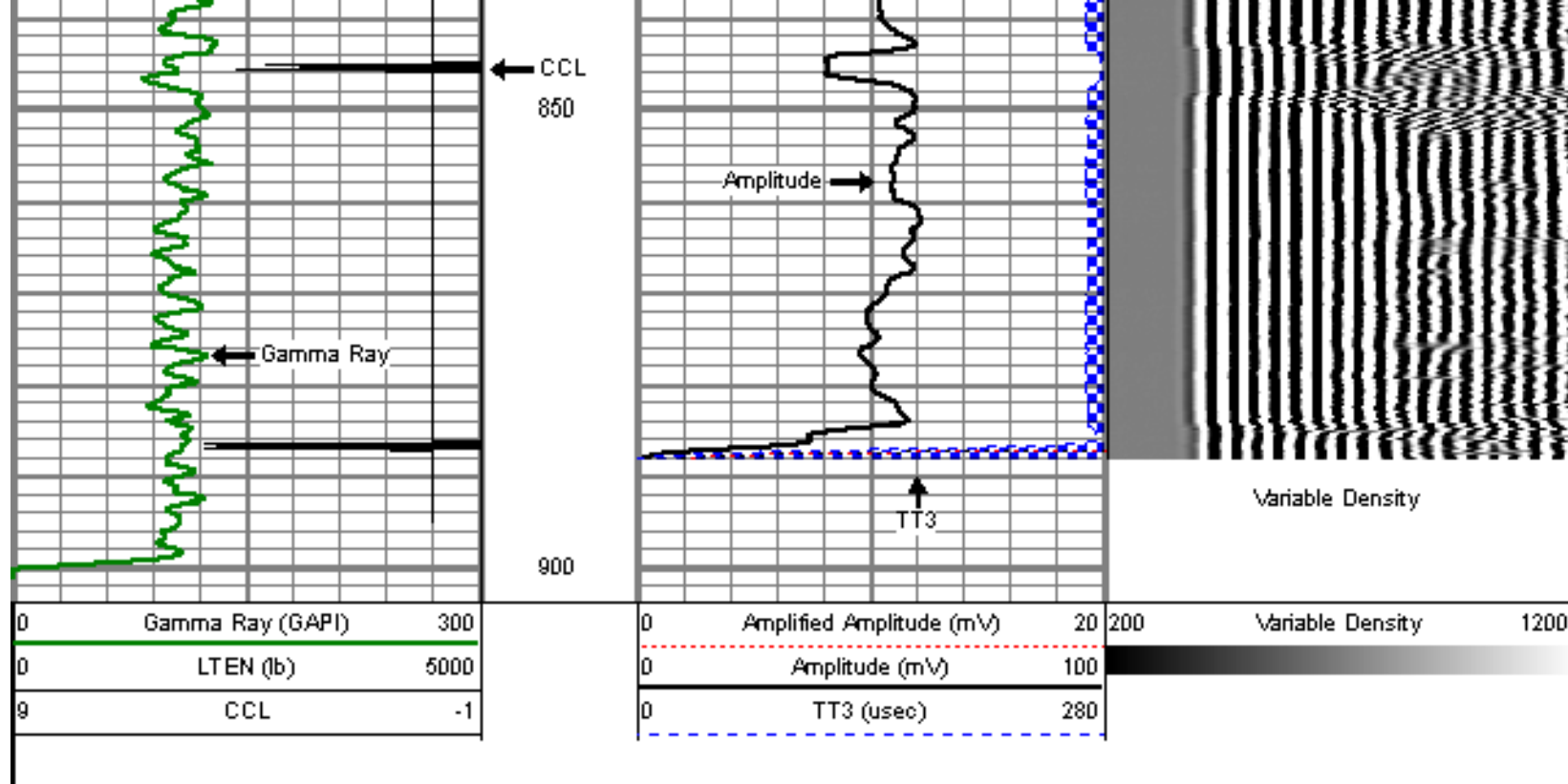
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Dataset Pathname: pass6
Presentation Format: dcbl_prb
Dataset Creation: Tue Mar 06 13:22:07 2012 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	300
0	LTEN (lb)	5000
9	CCL	-1

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

200 Variable Density 1200

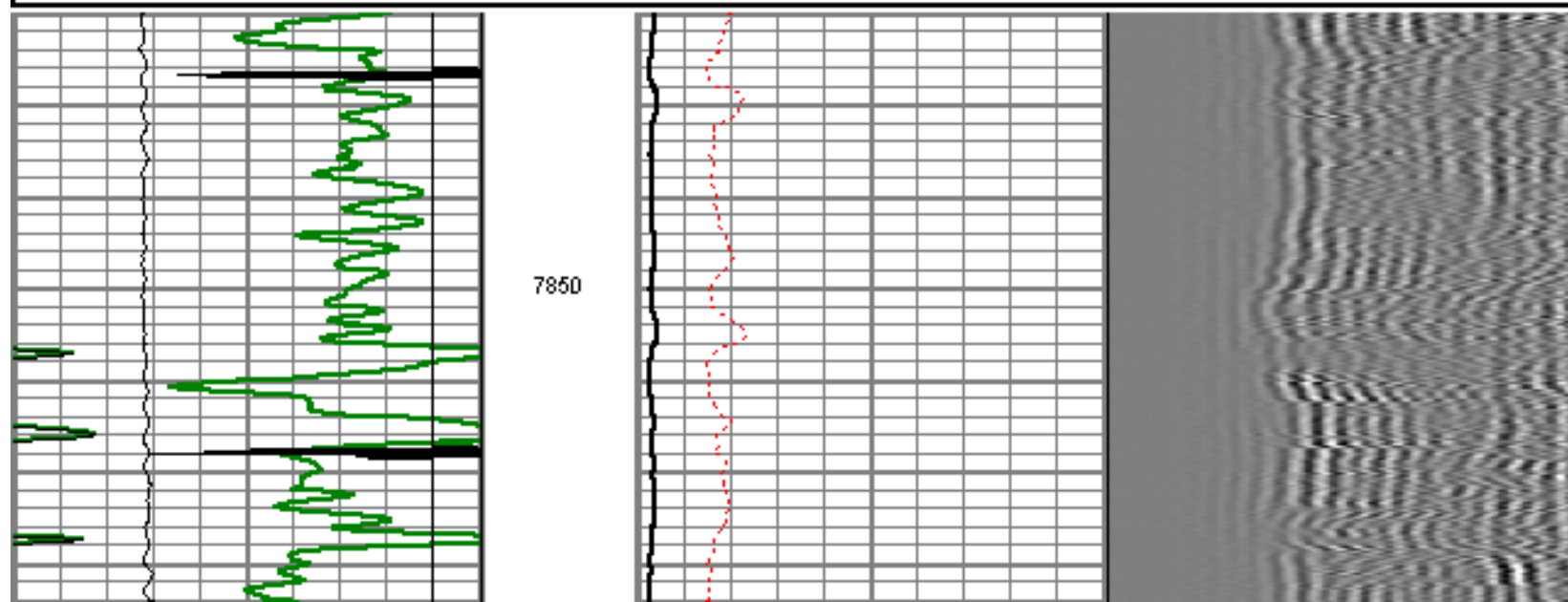
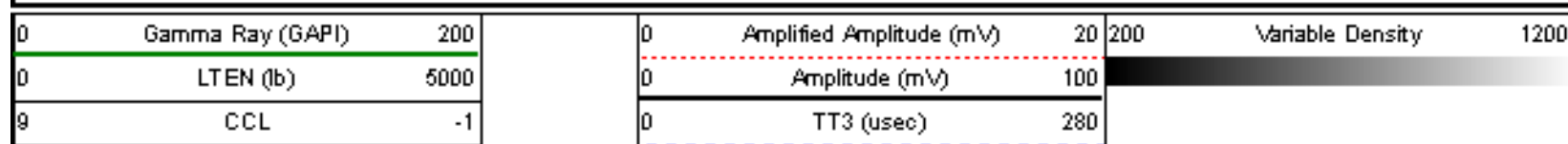


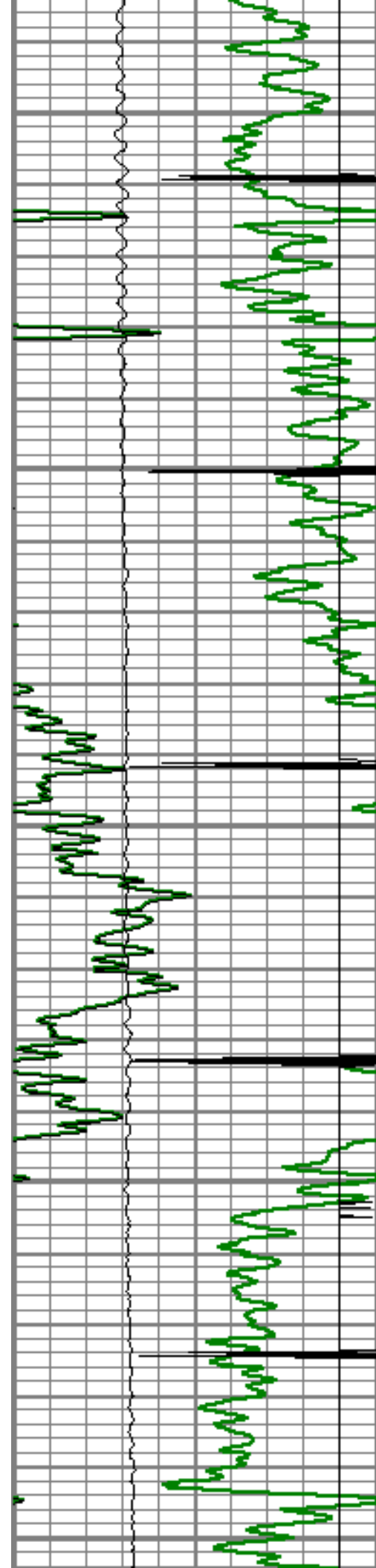


REPEAT PASS

5" = 100'

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 Charted by: Depth in Feet scaled 1:240





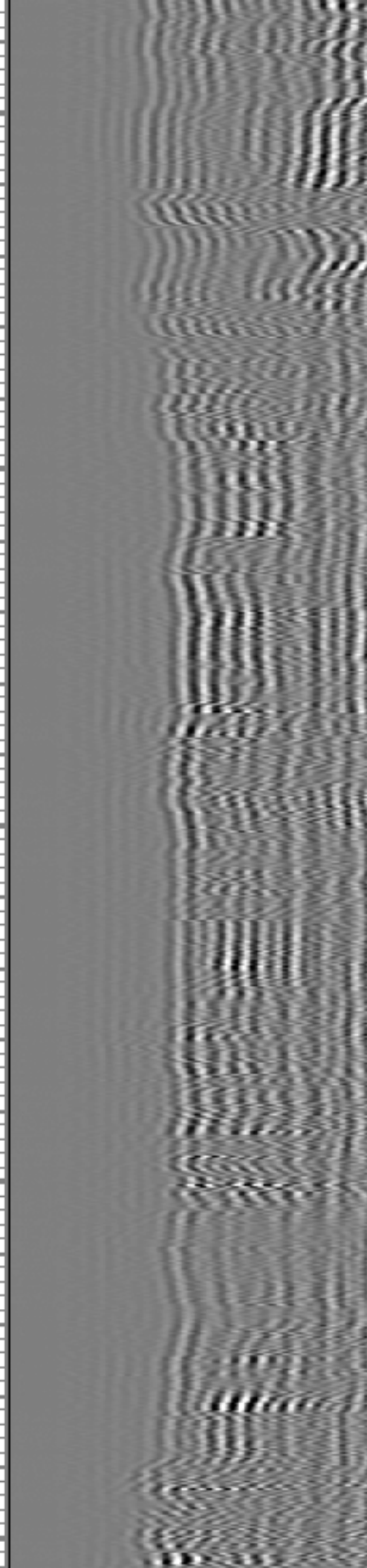
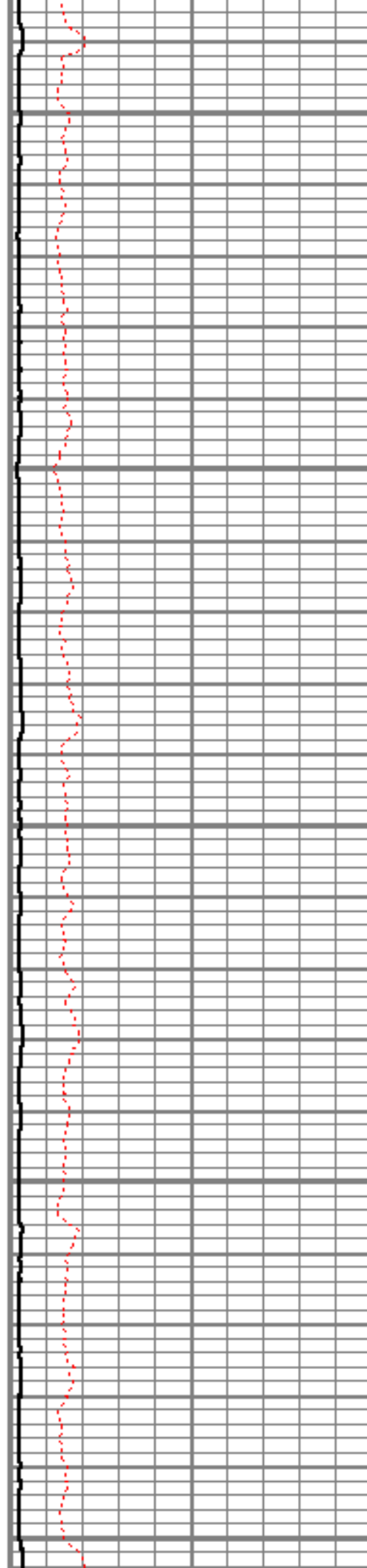
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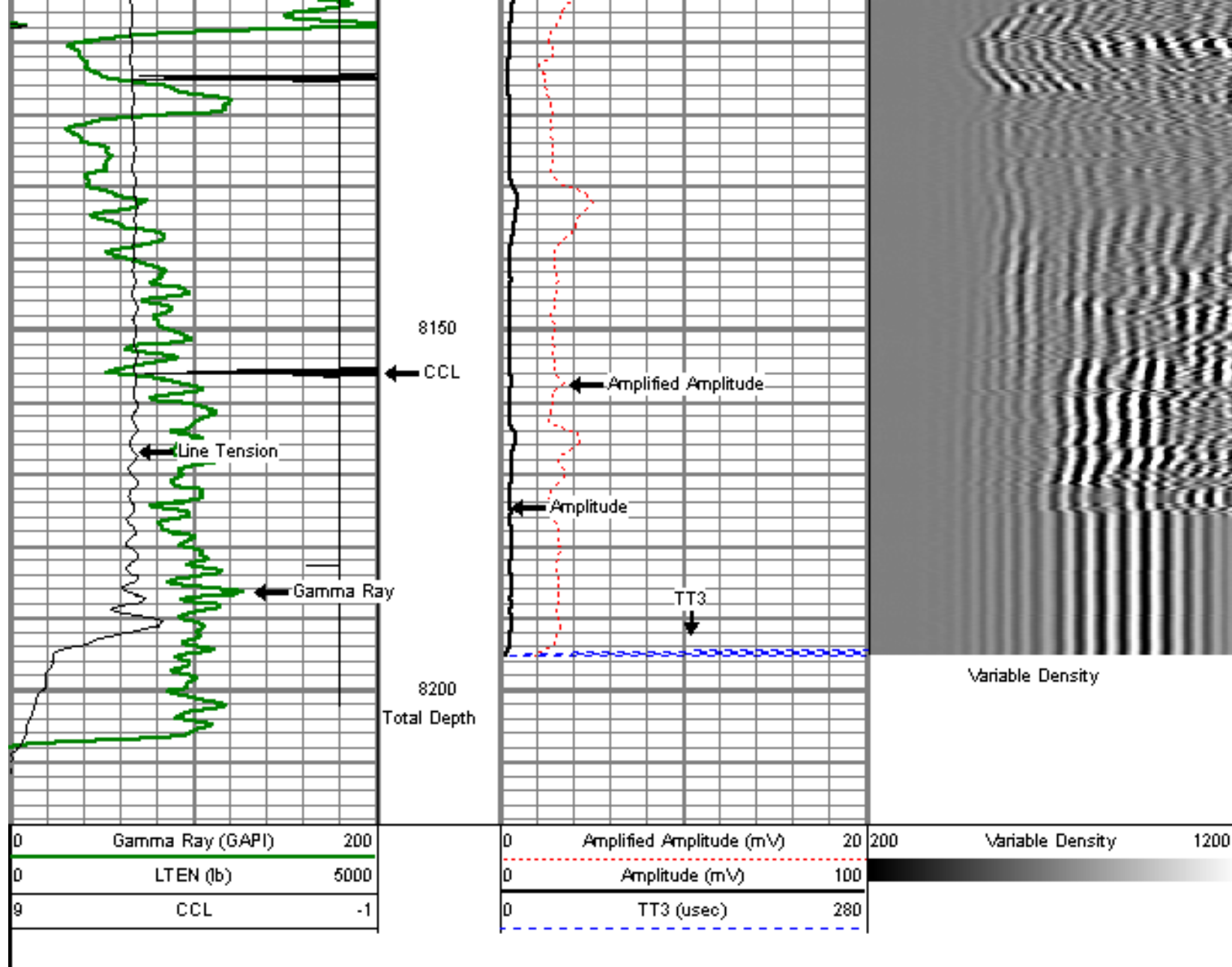
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8000

8050

8100

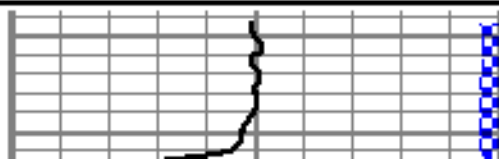
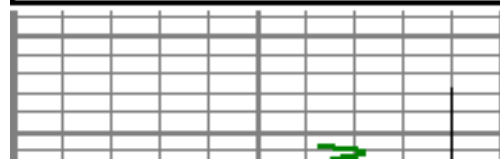
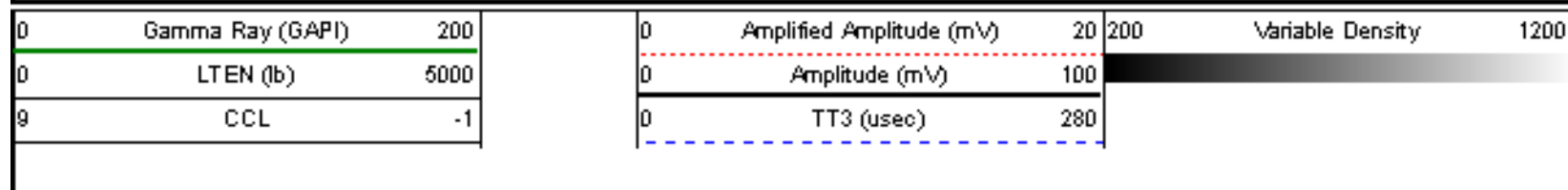


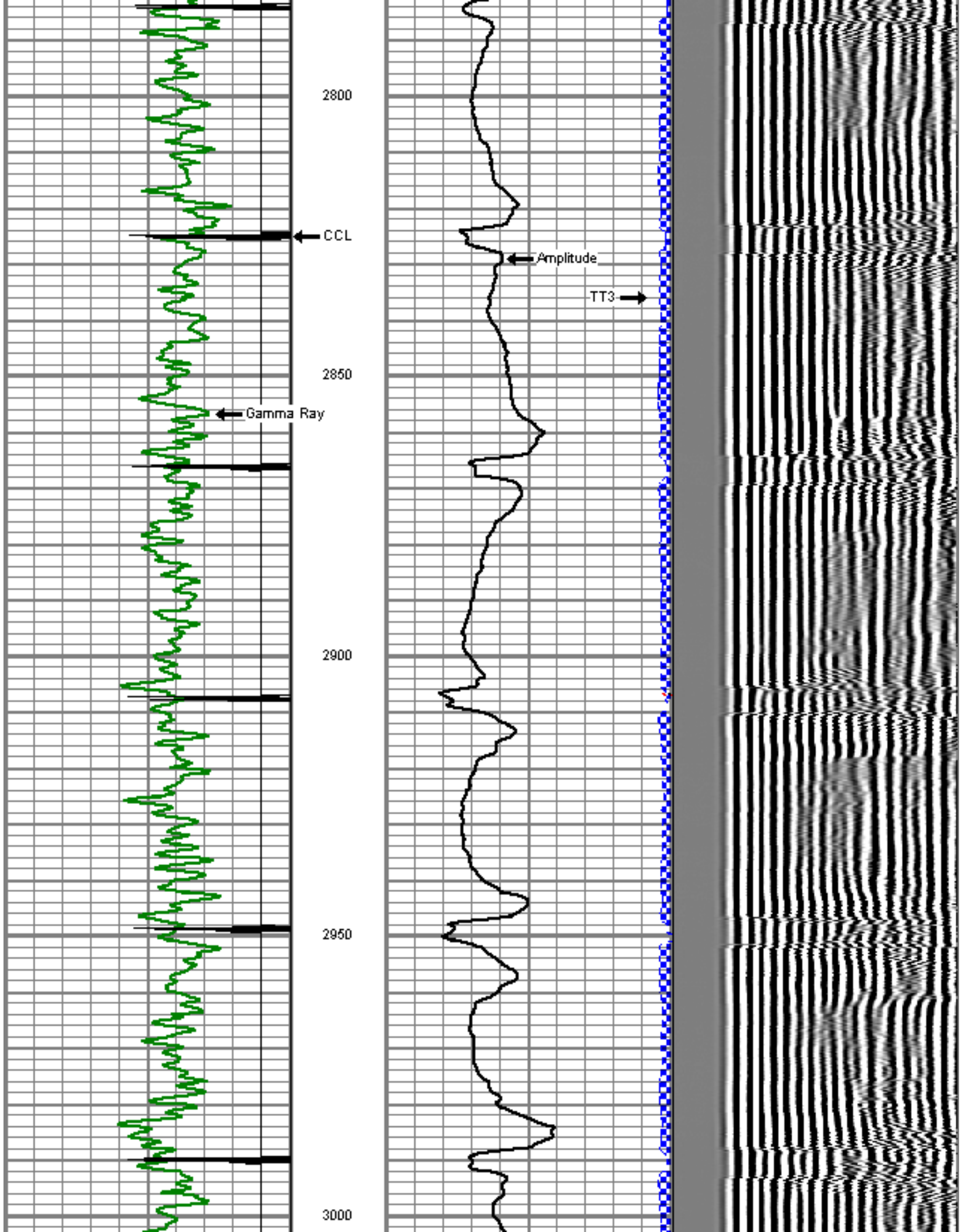


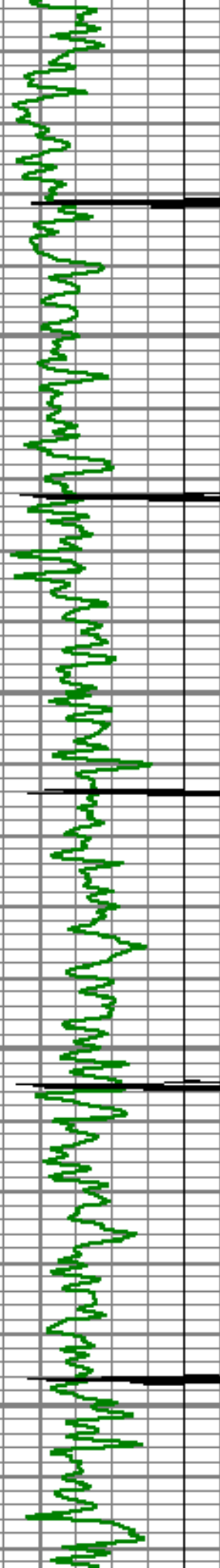
MAIN PASS

5" = 100'

Database File: rasmussen 0-6-19.db
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 Presentation Format: dcbl_prb
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 Charted by: Depth in Feet scaled 1:240





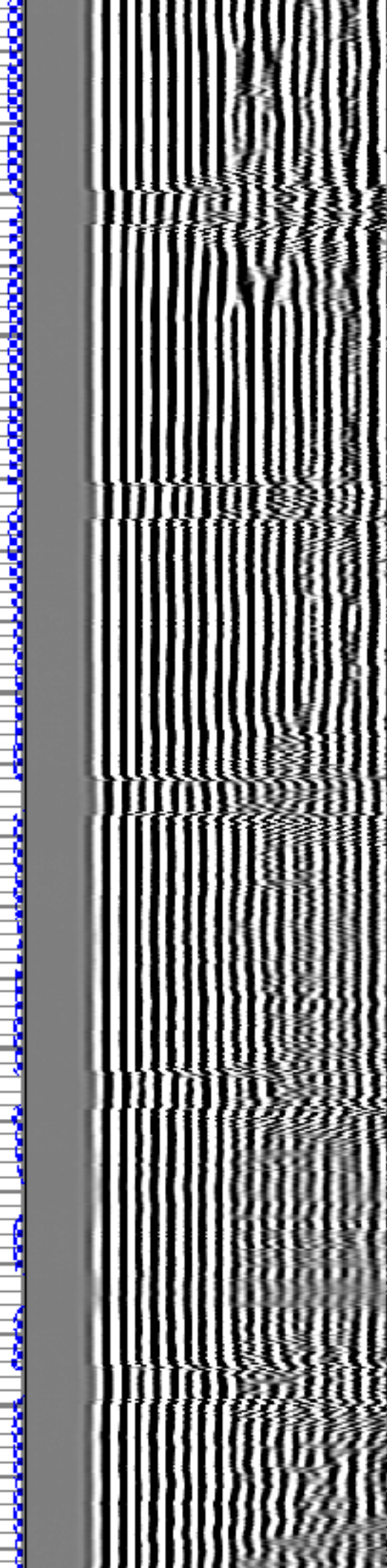
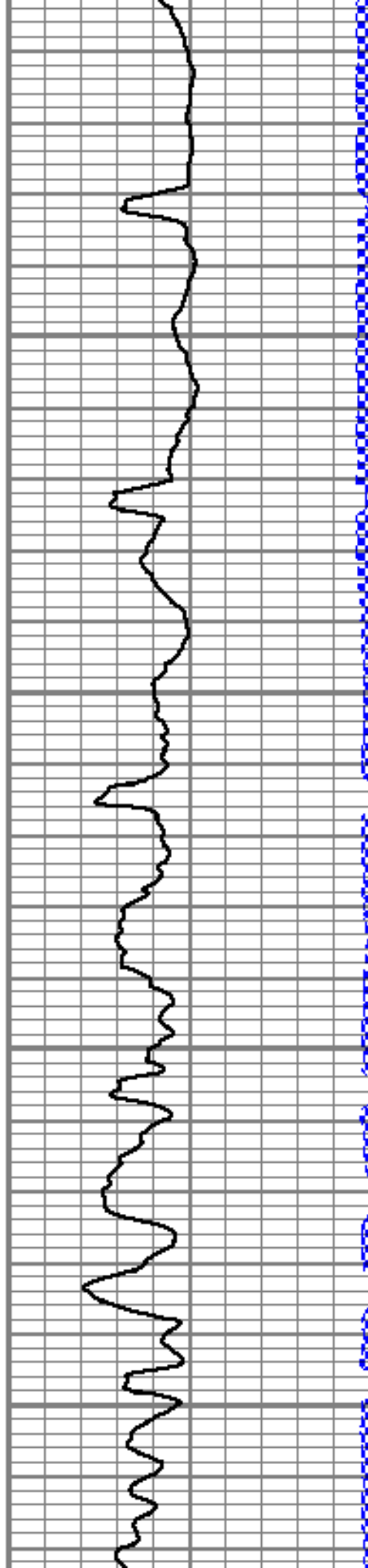


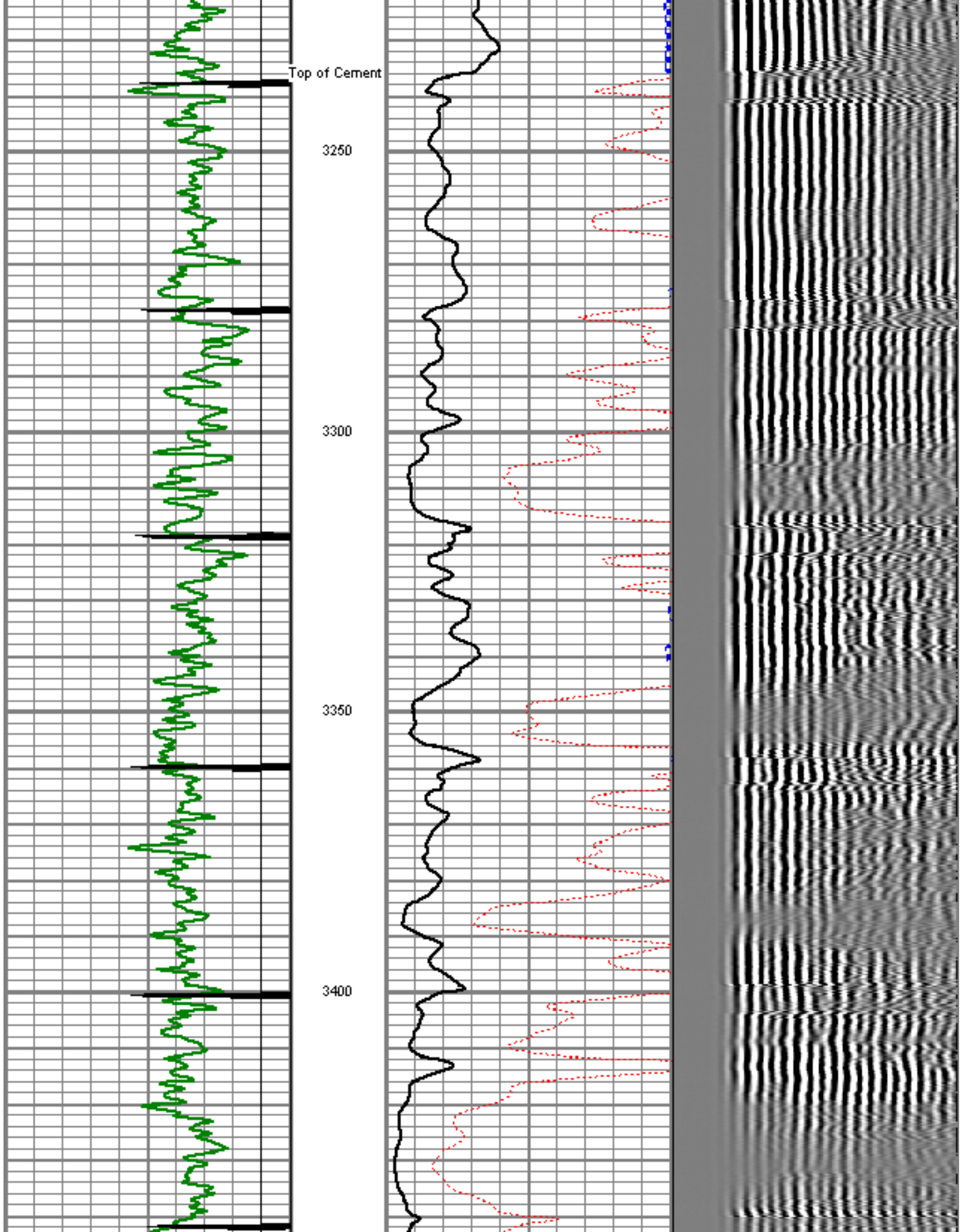
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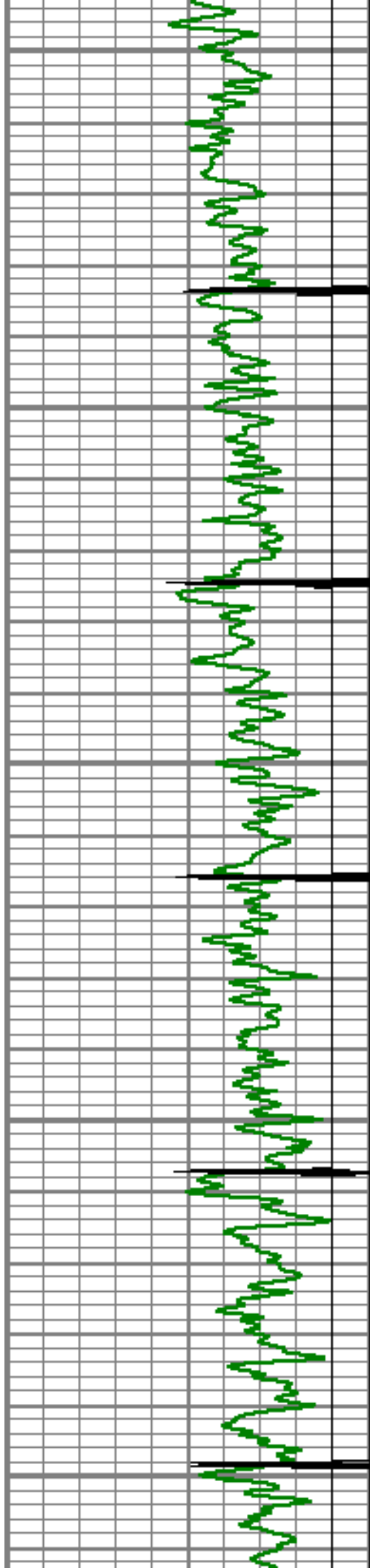
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3150

3200







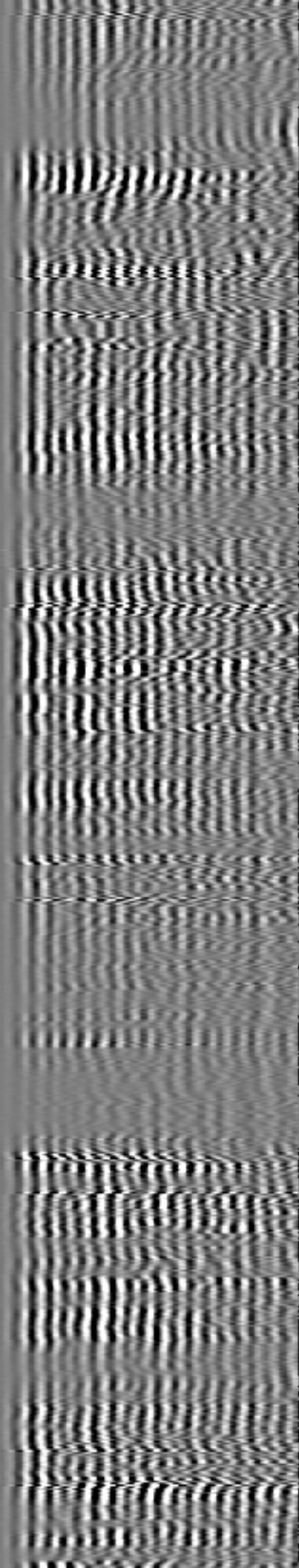
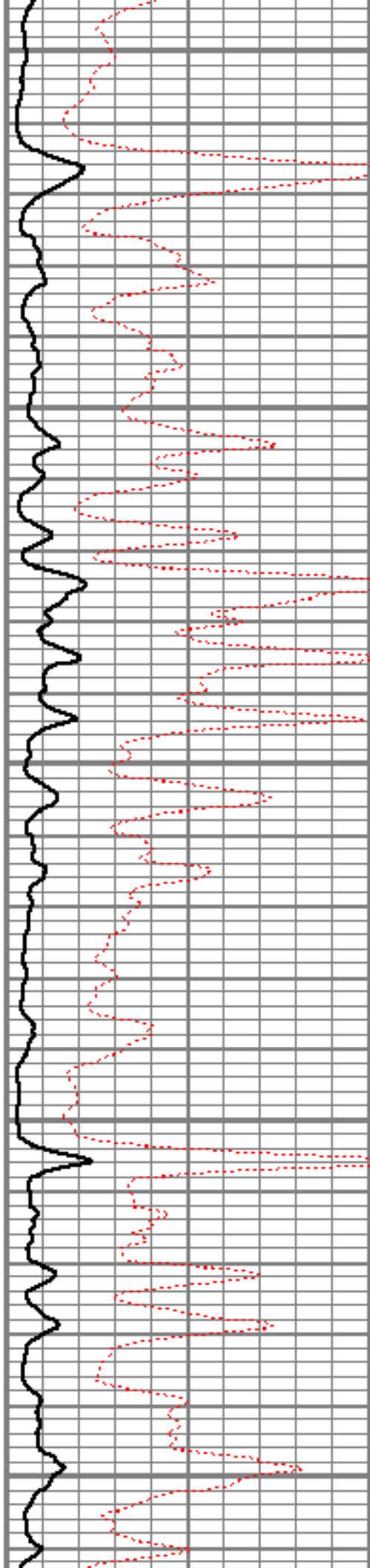
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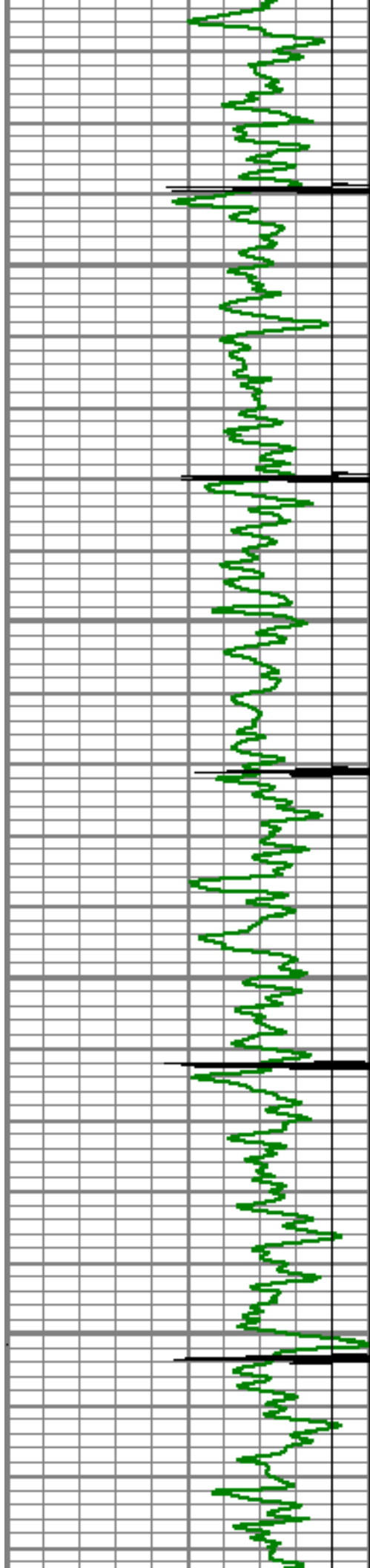
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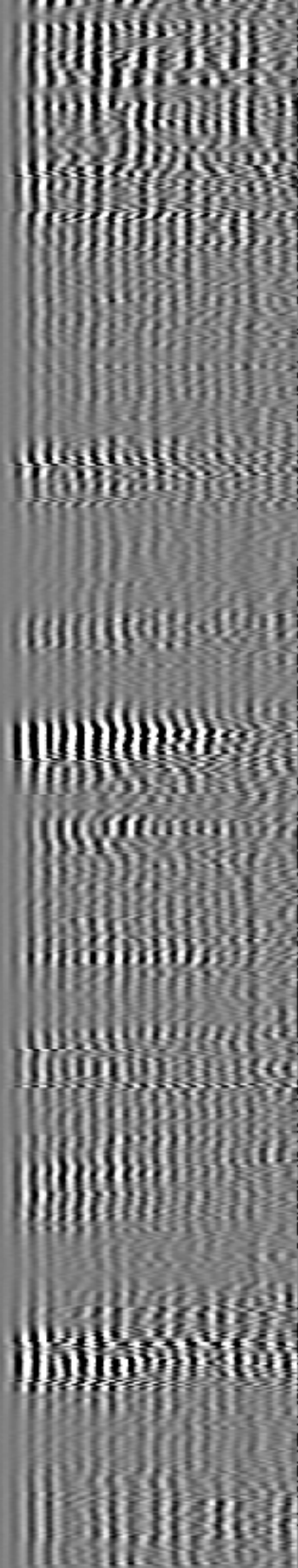
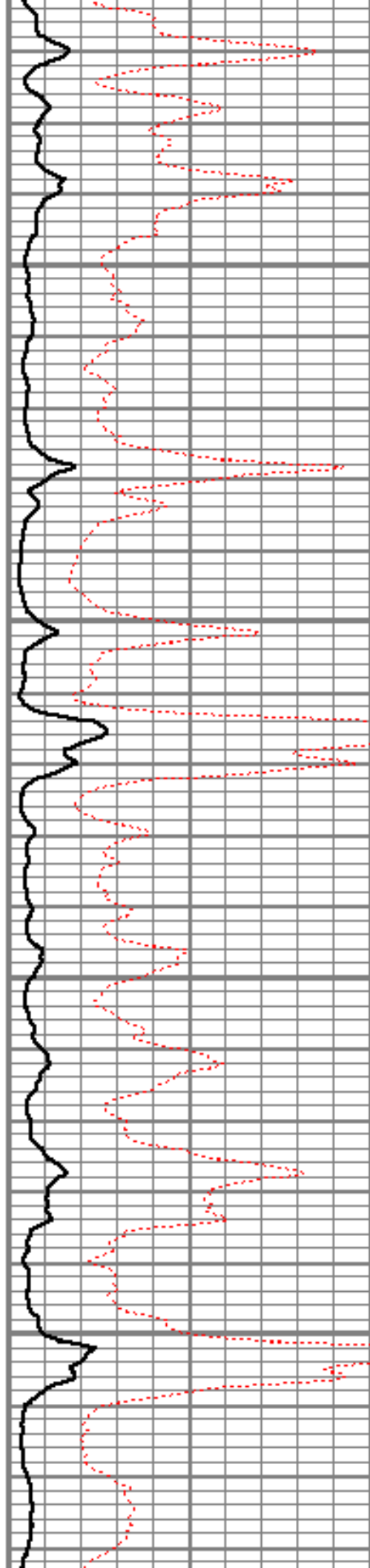


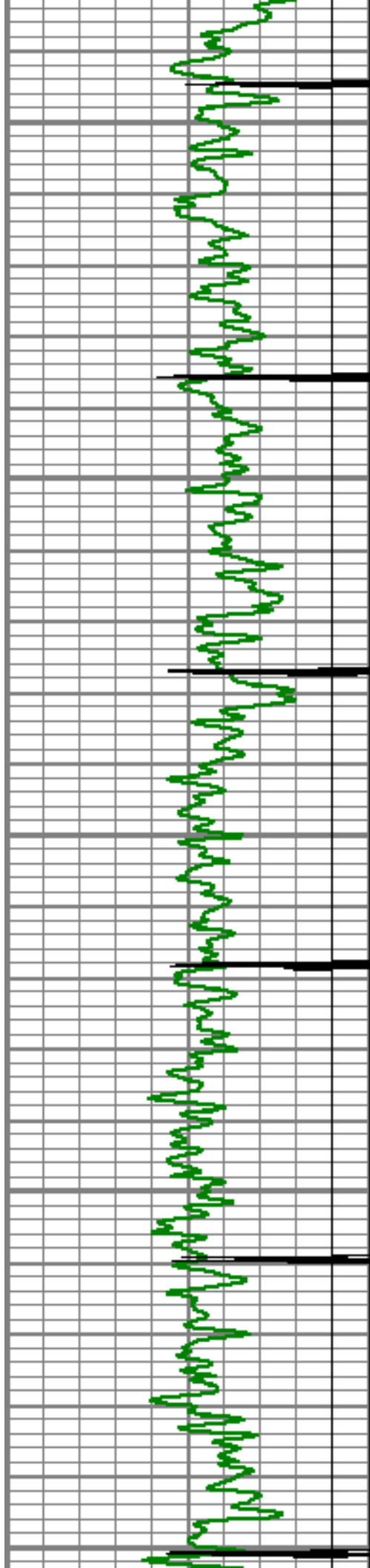
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3800

3850





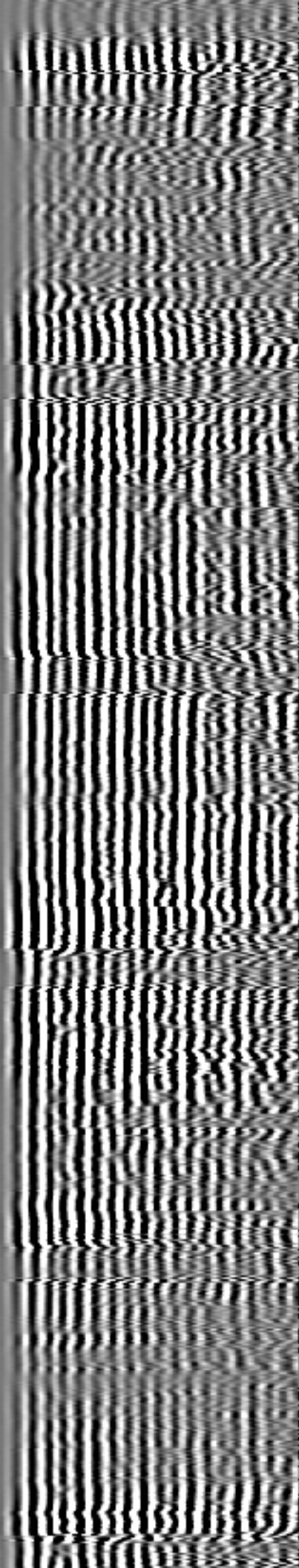
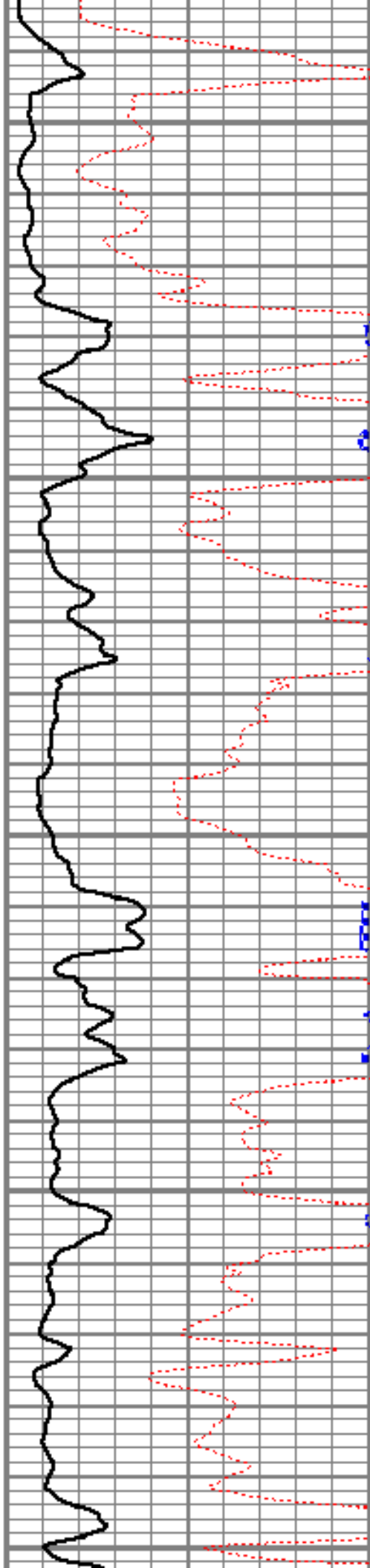
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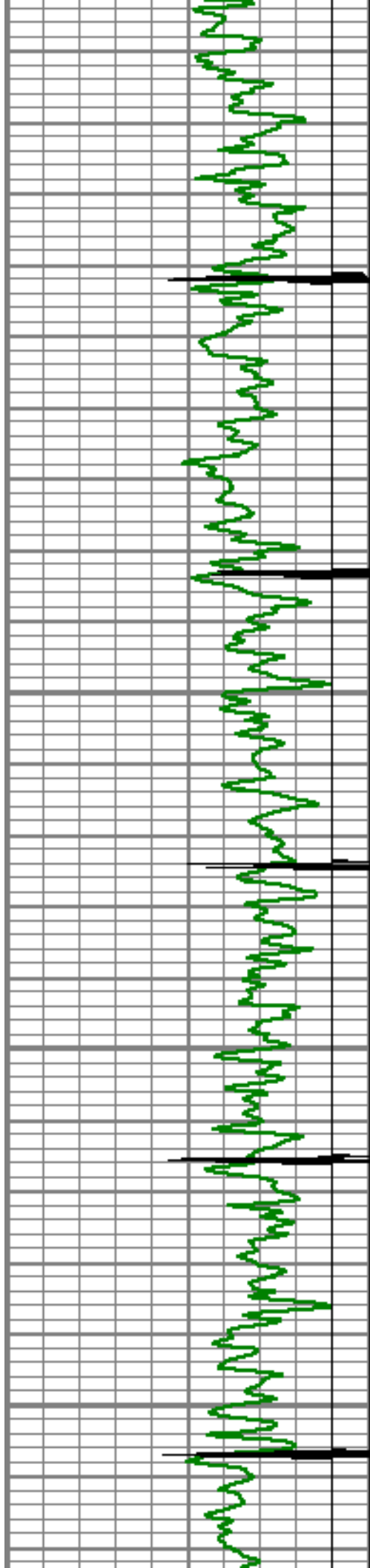
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4050

4100



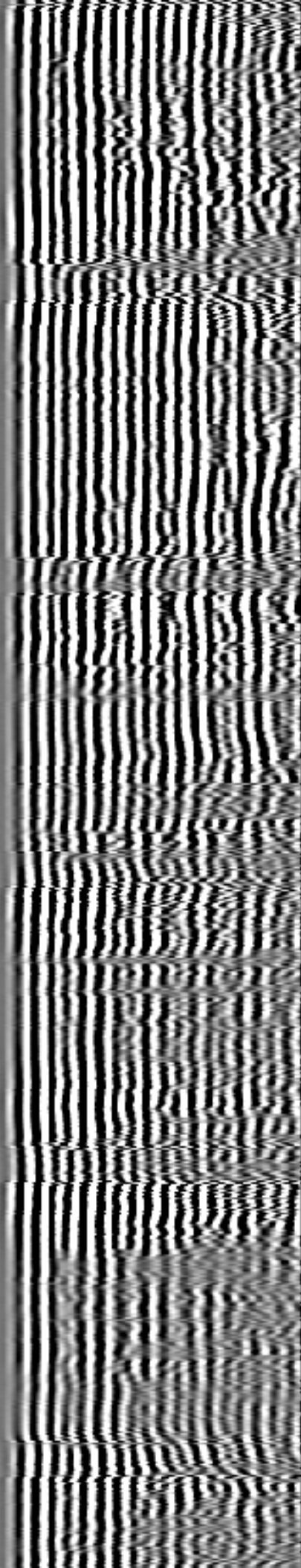
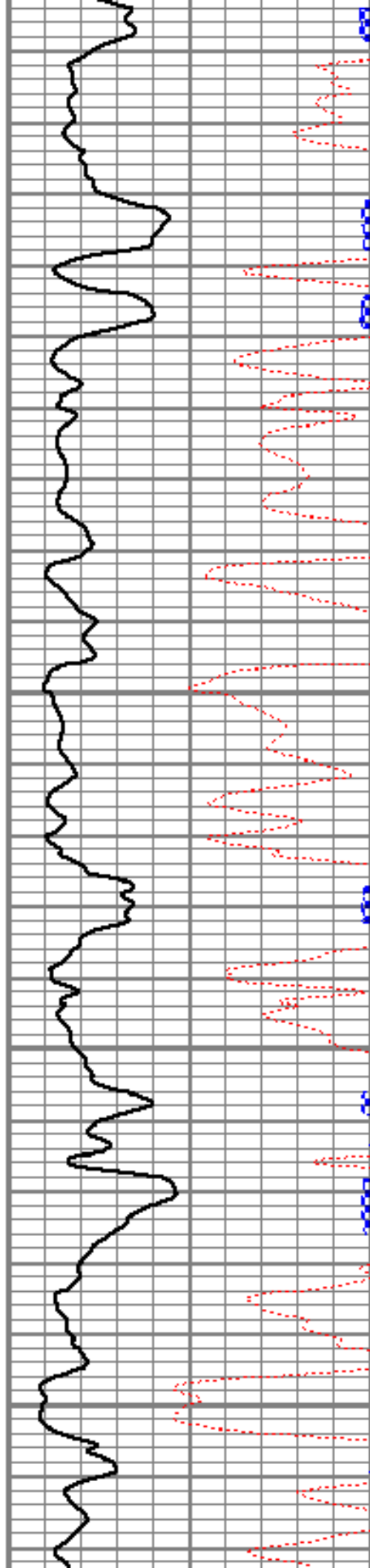


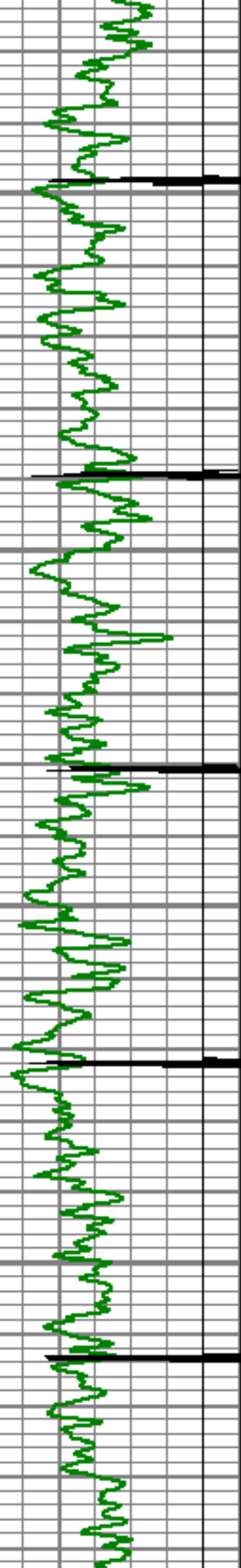
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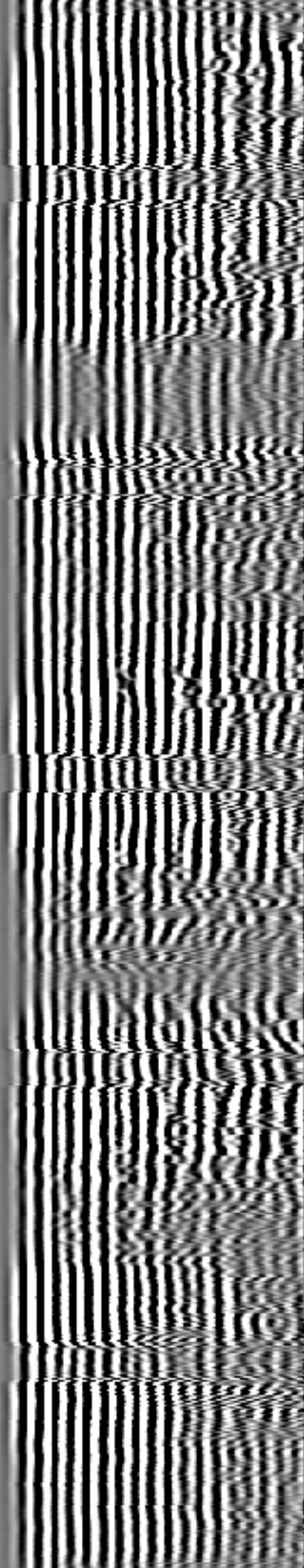
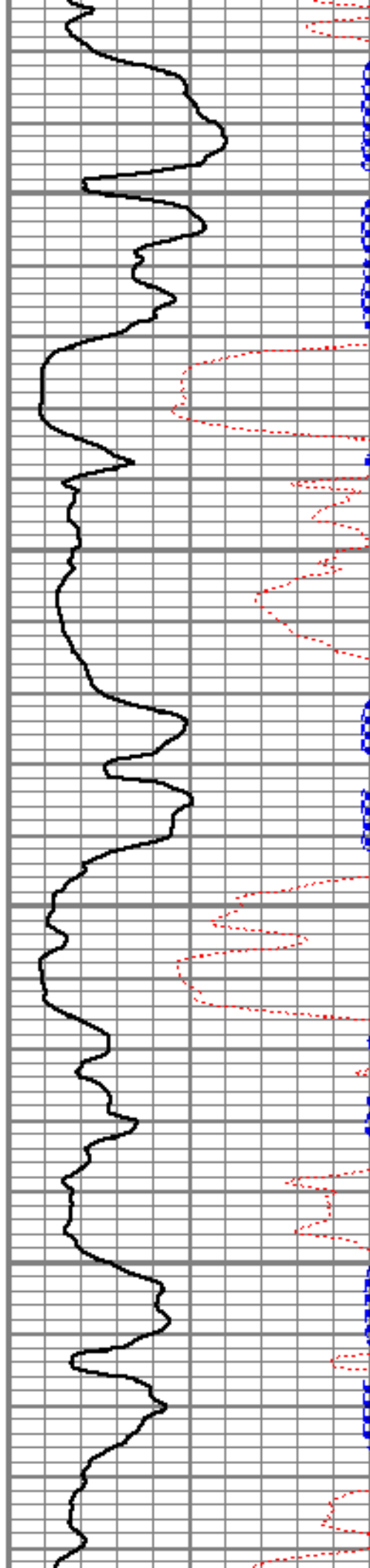


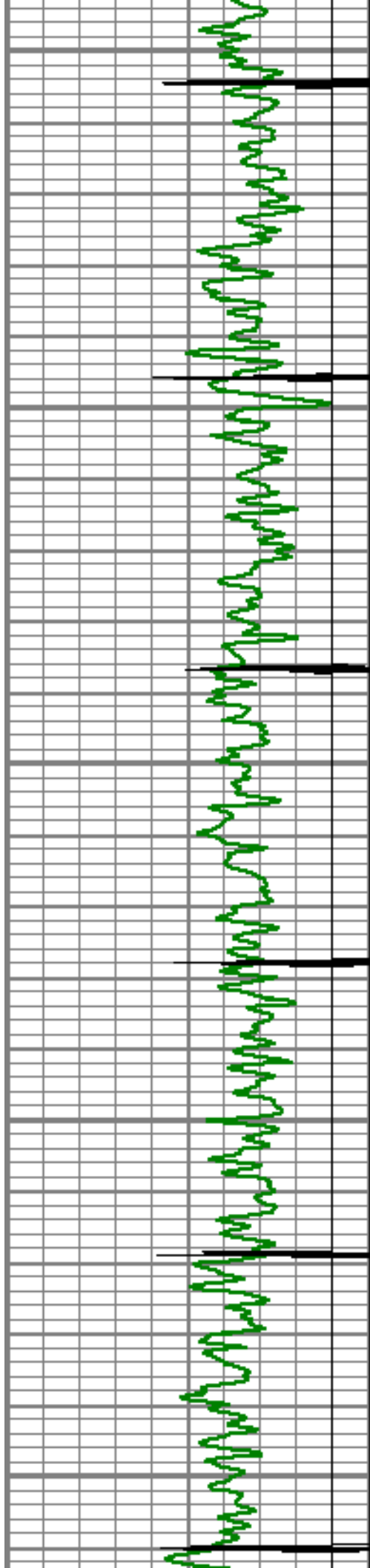
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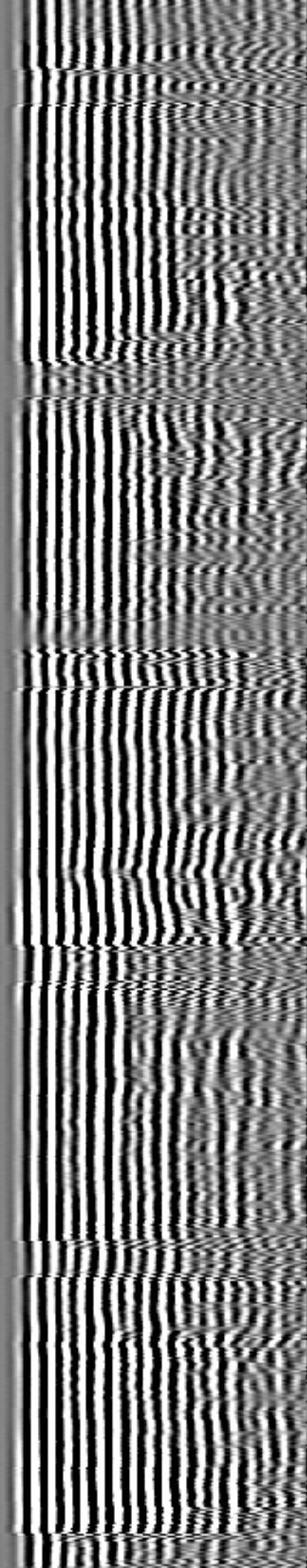
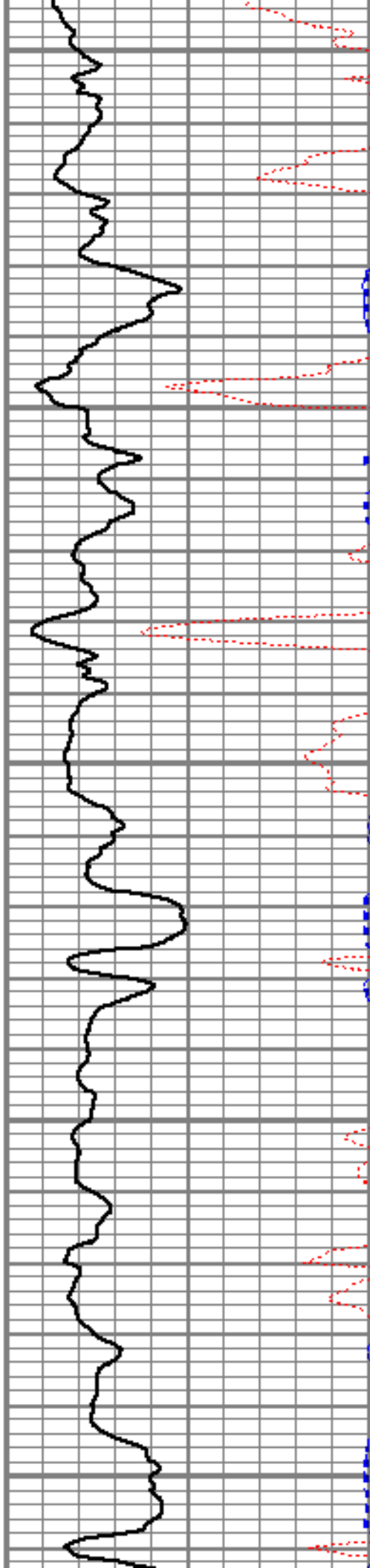
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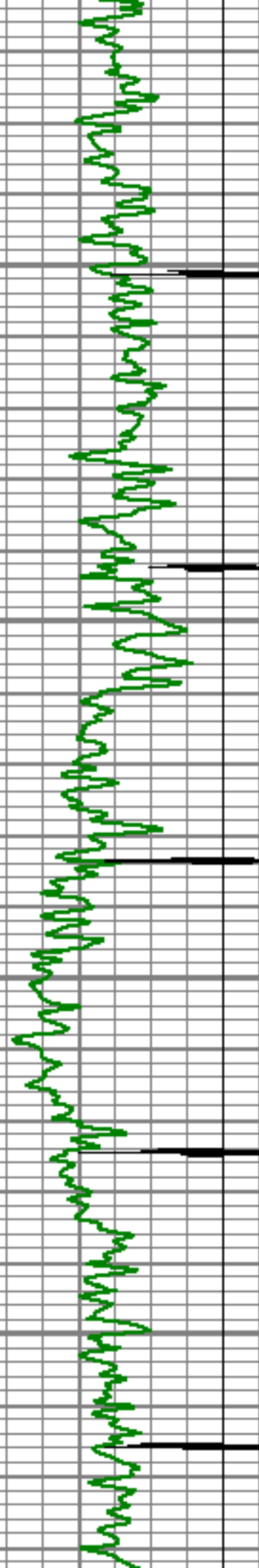
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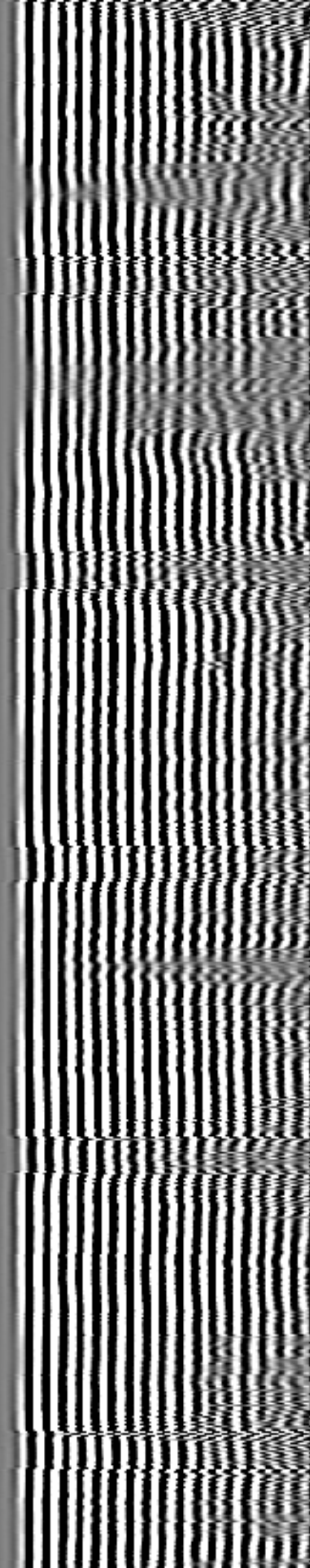
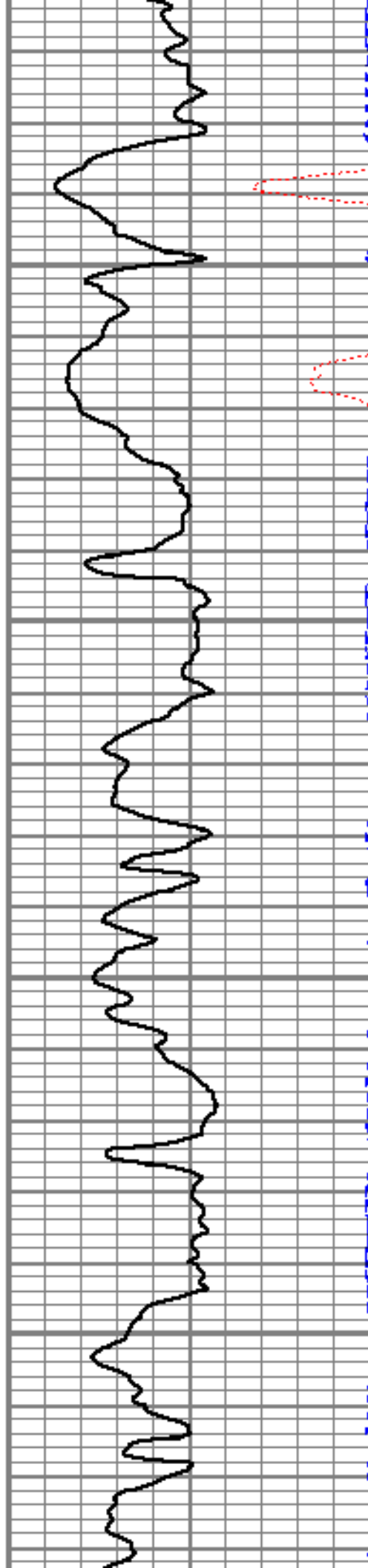


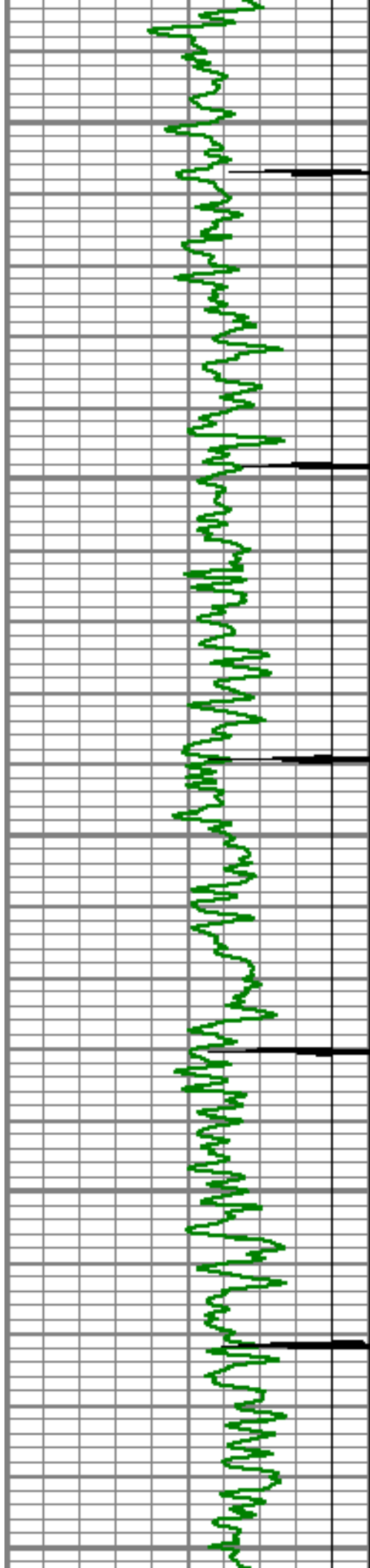
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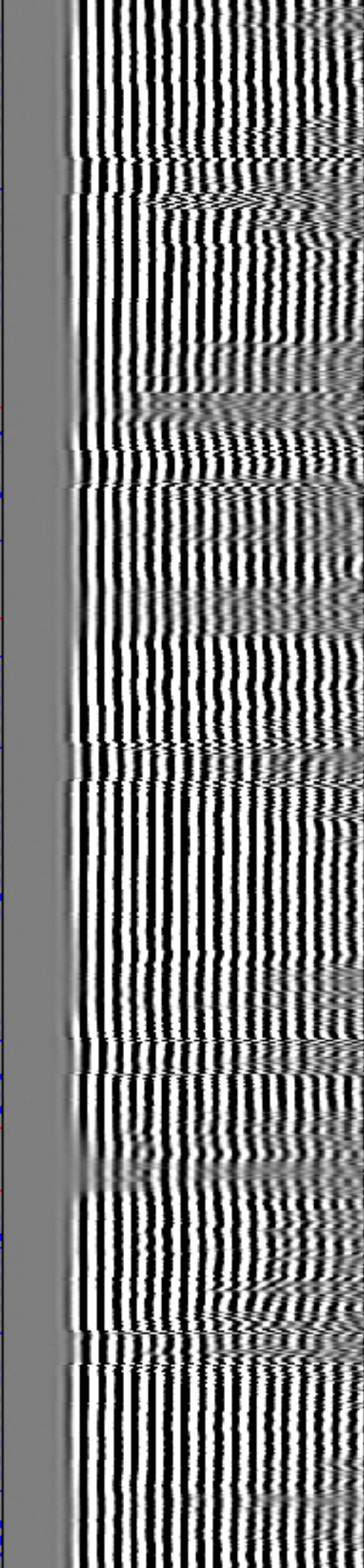
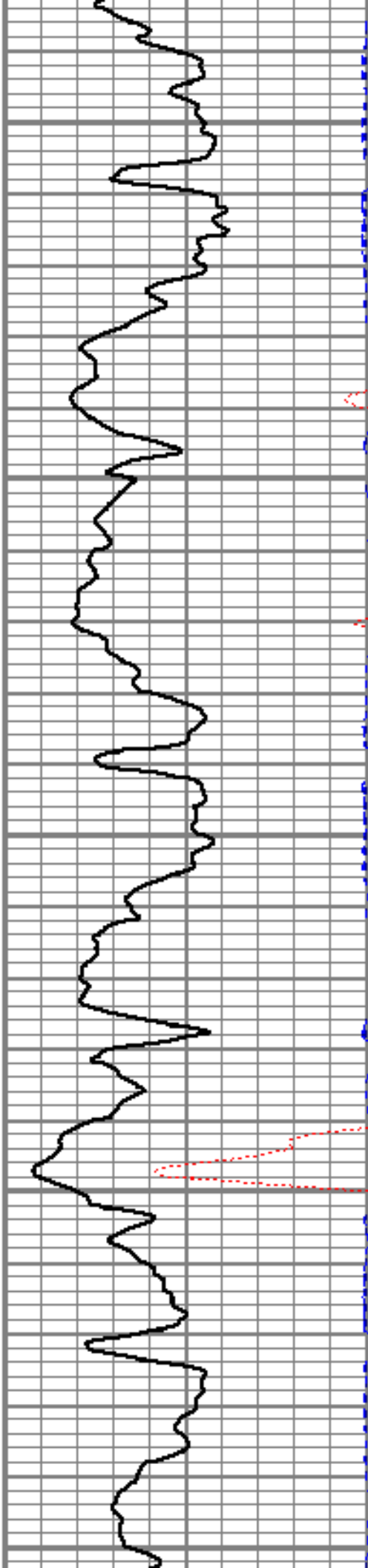
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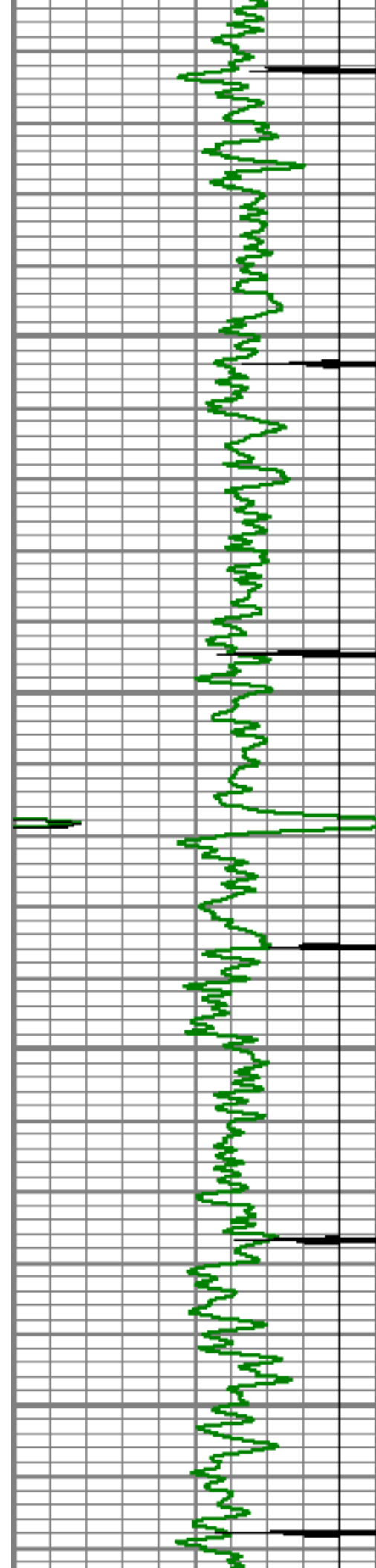
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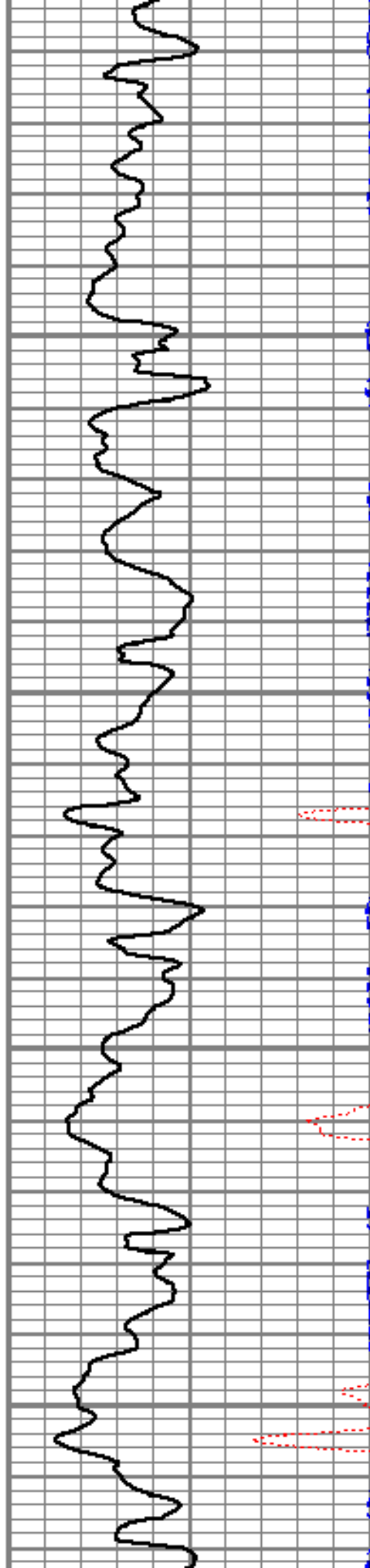


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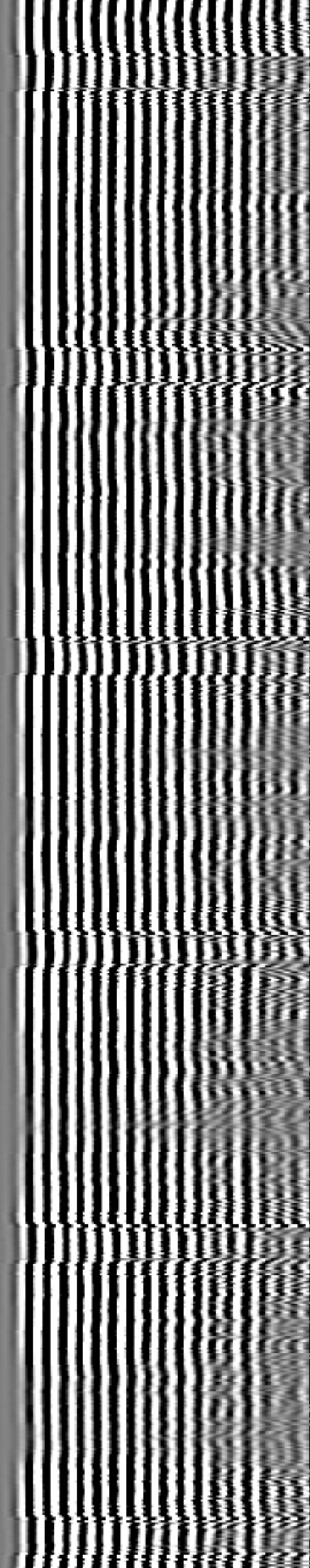


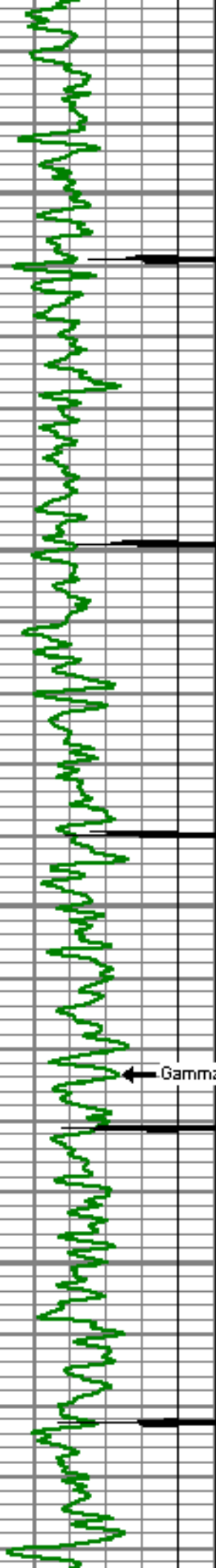
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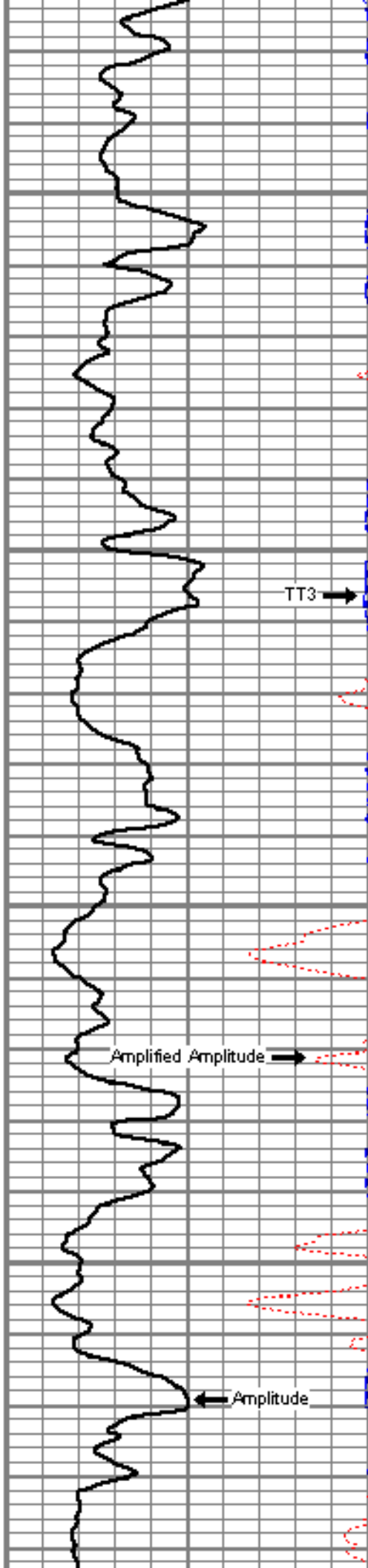
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← Gamma Ray

← CCL

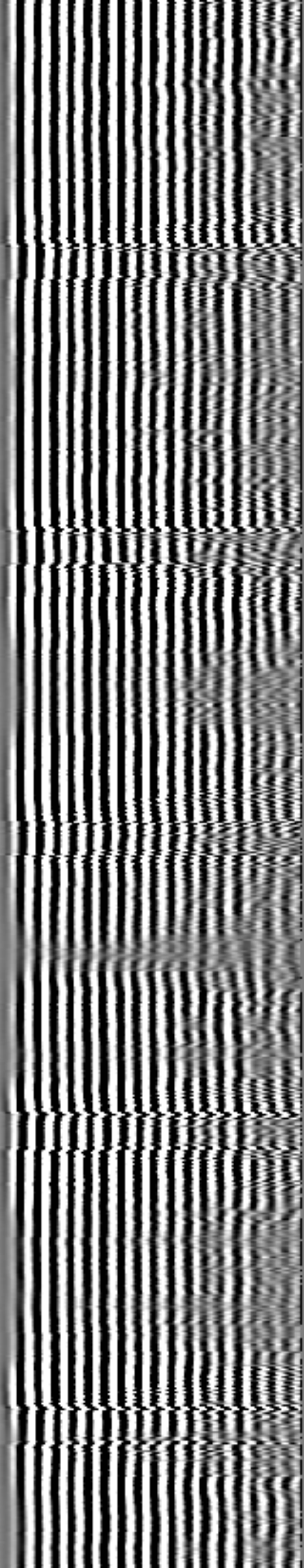
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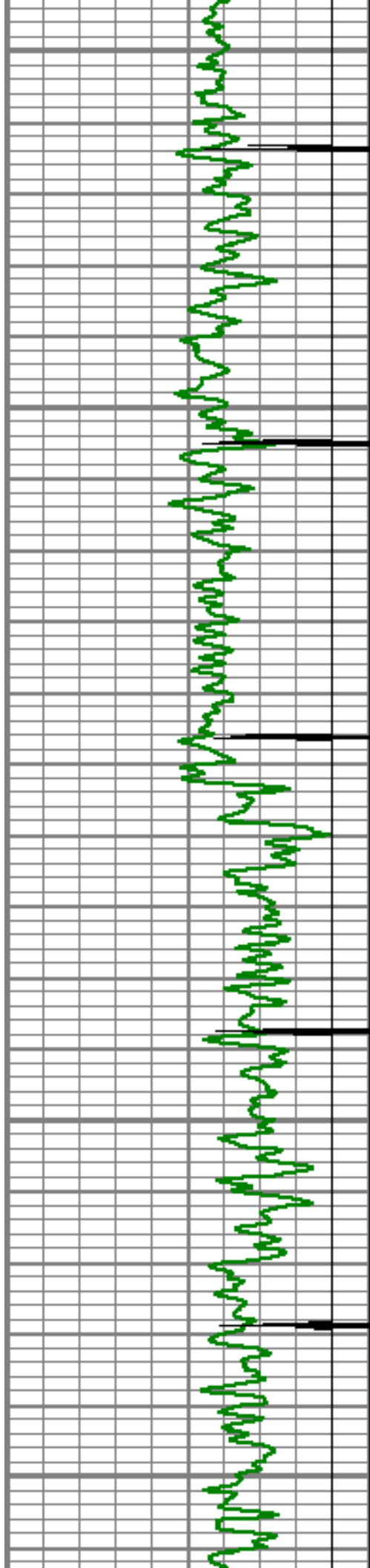


TT3 →

Amplified Amplitude →

← Amplitude





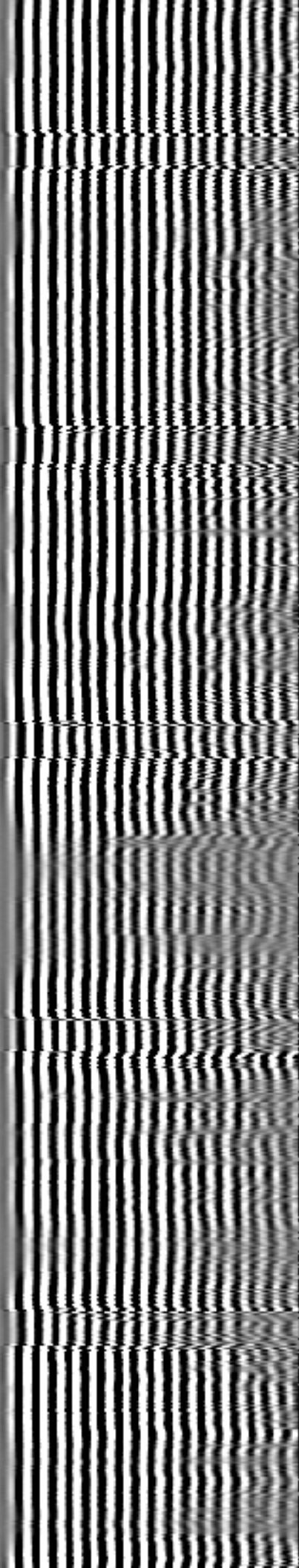
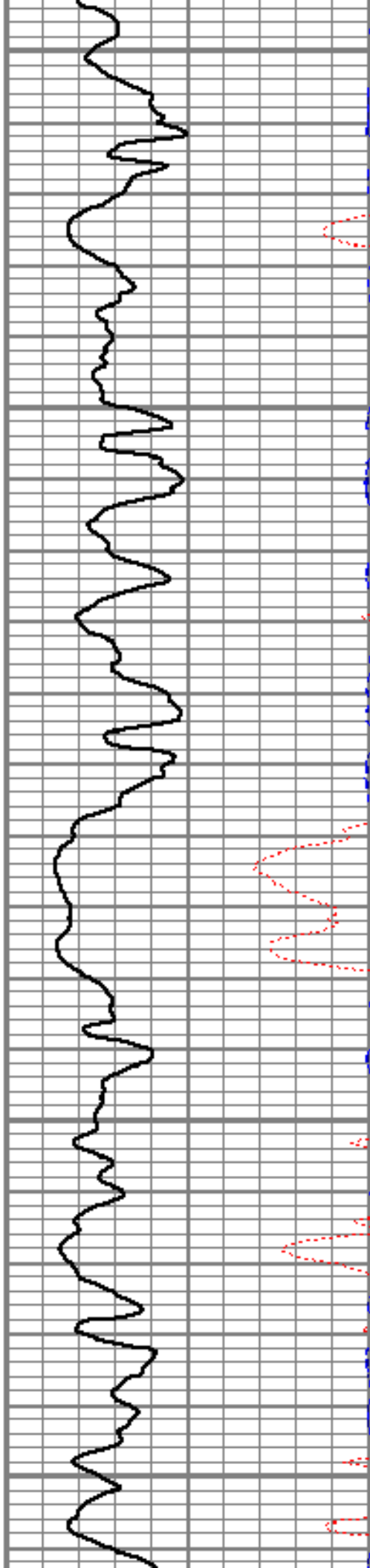
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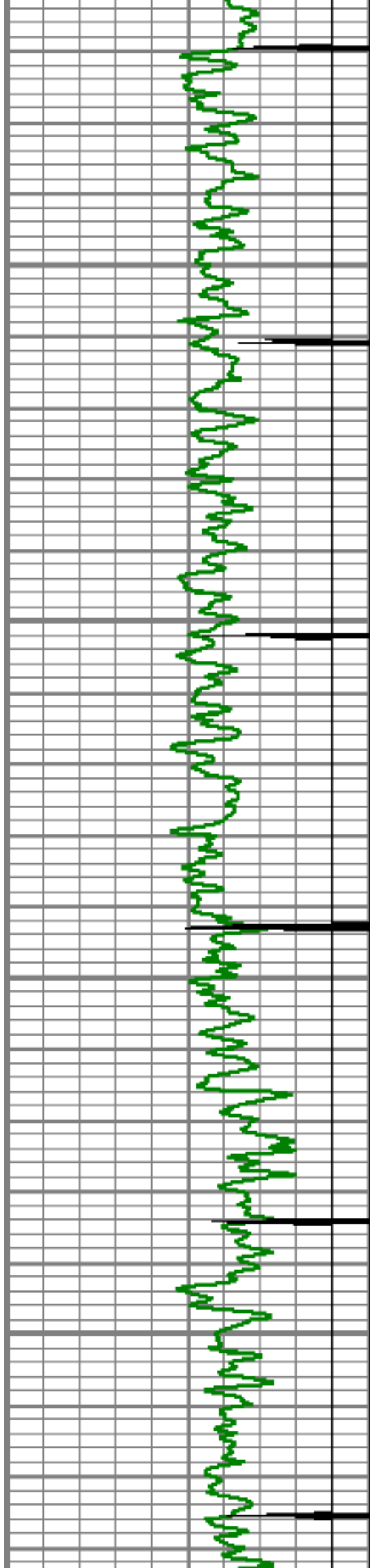
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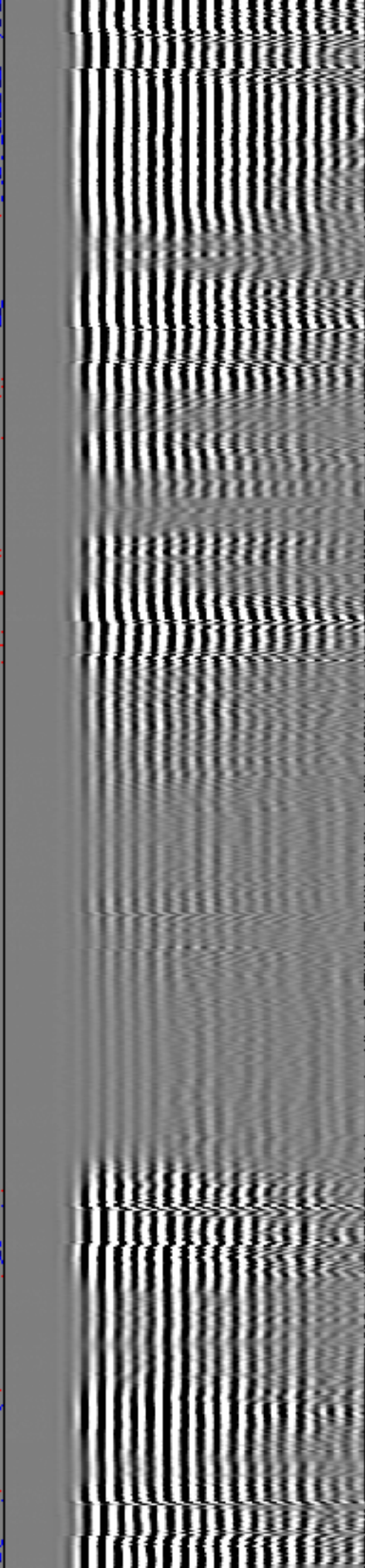
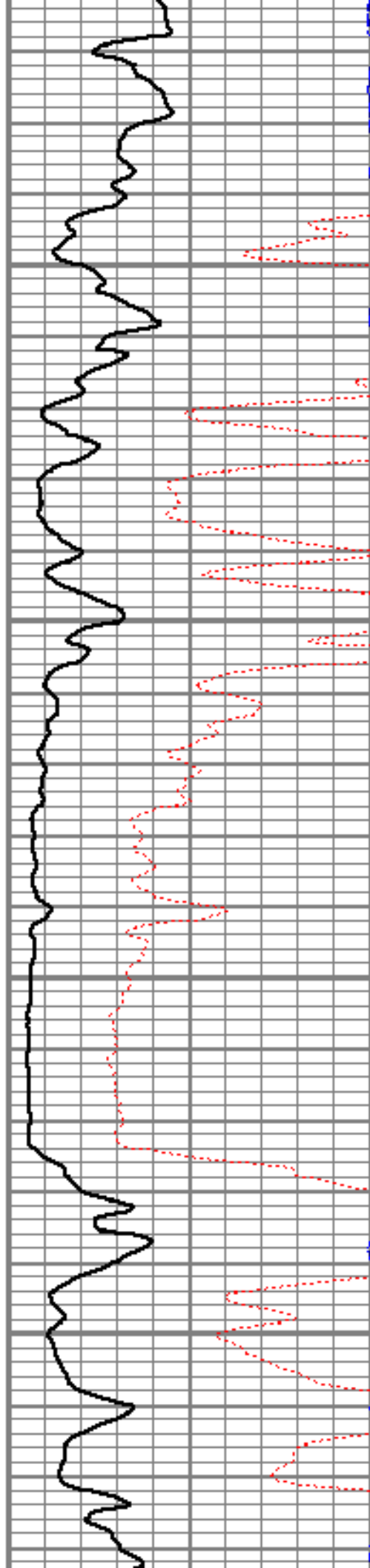


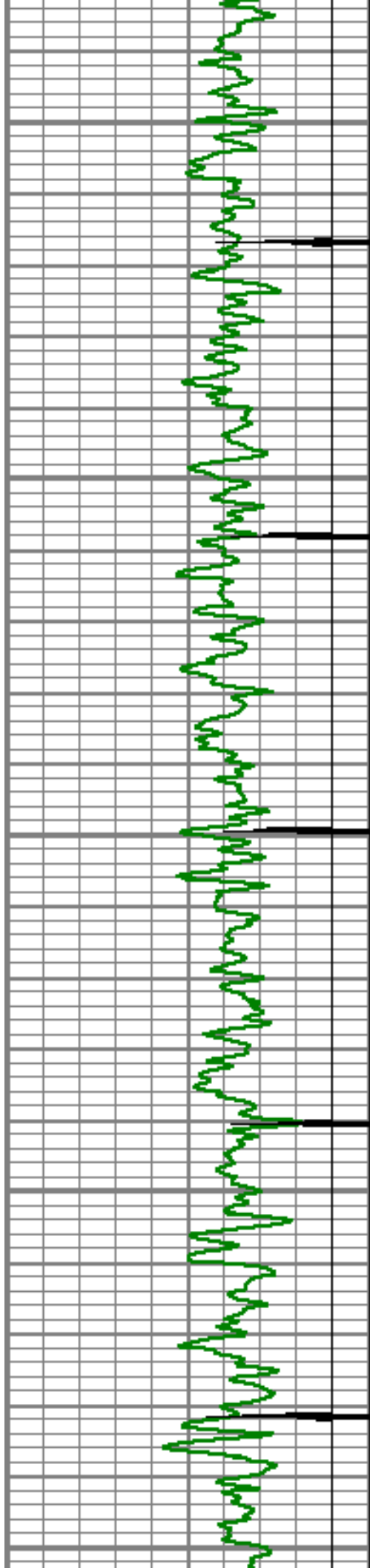
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6050





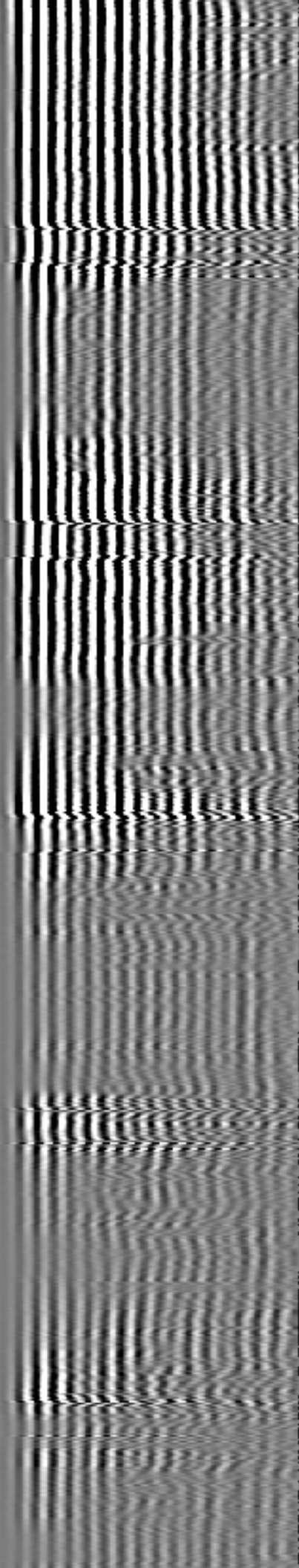
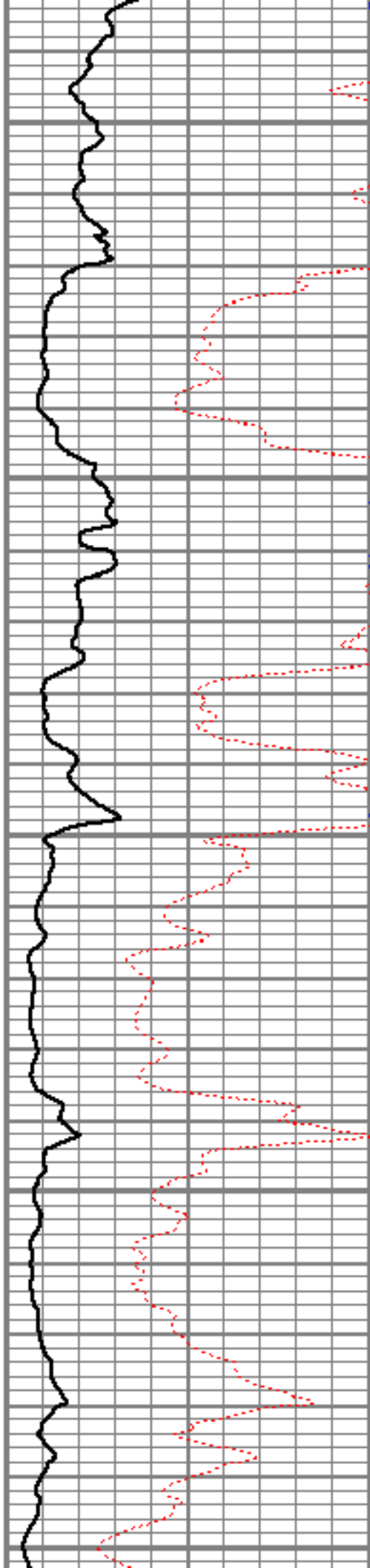
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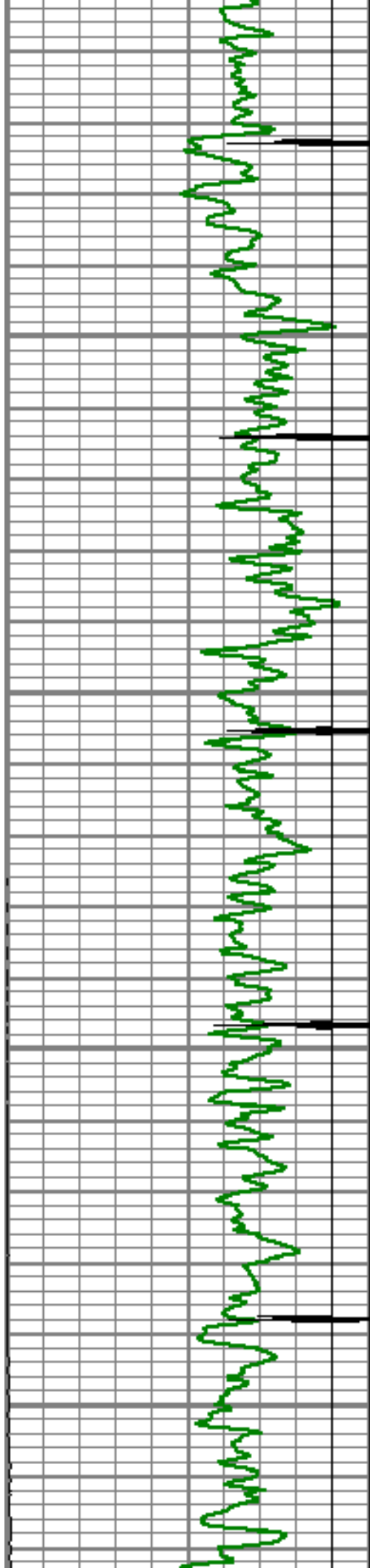
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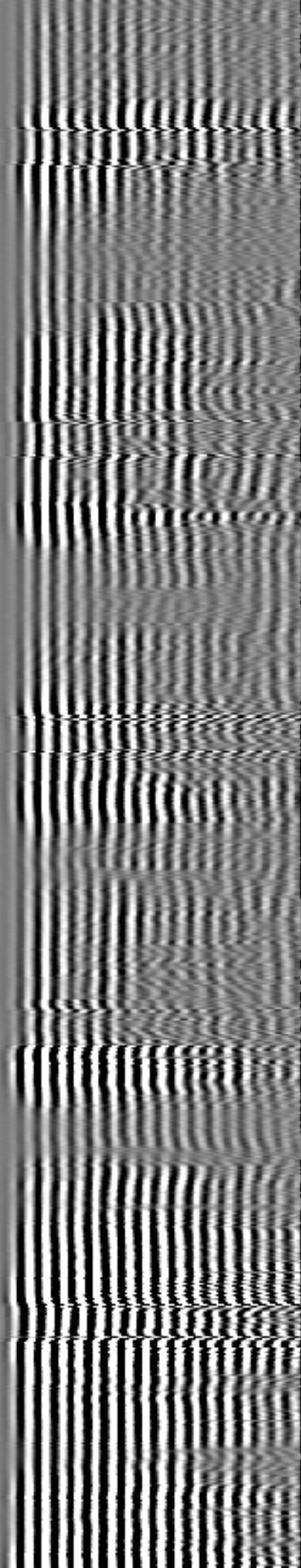
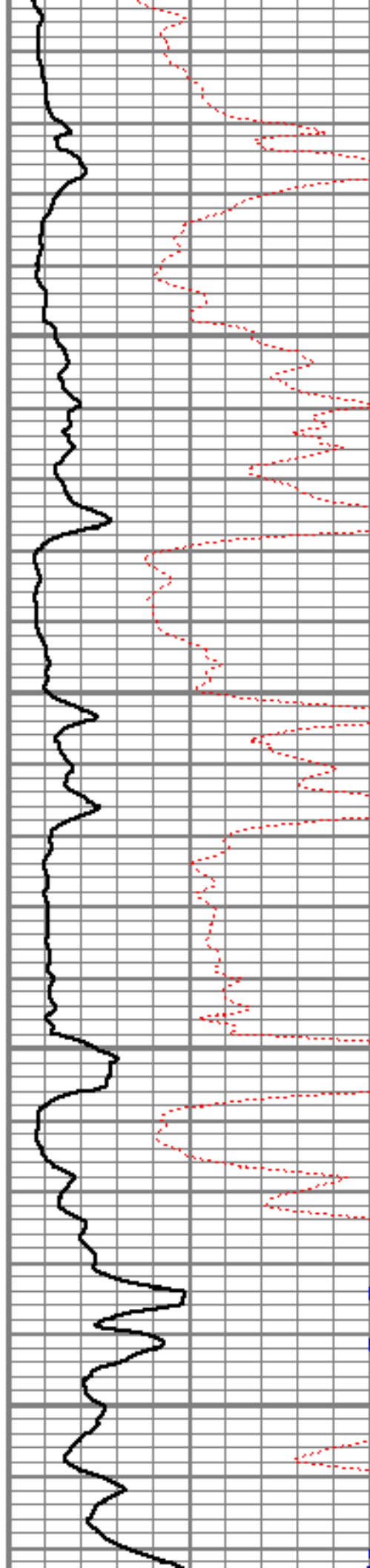


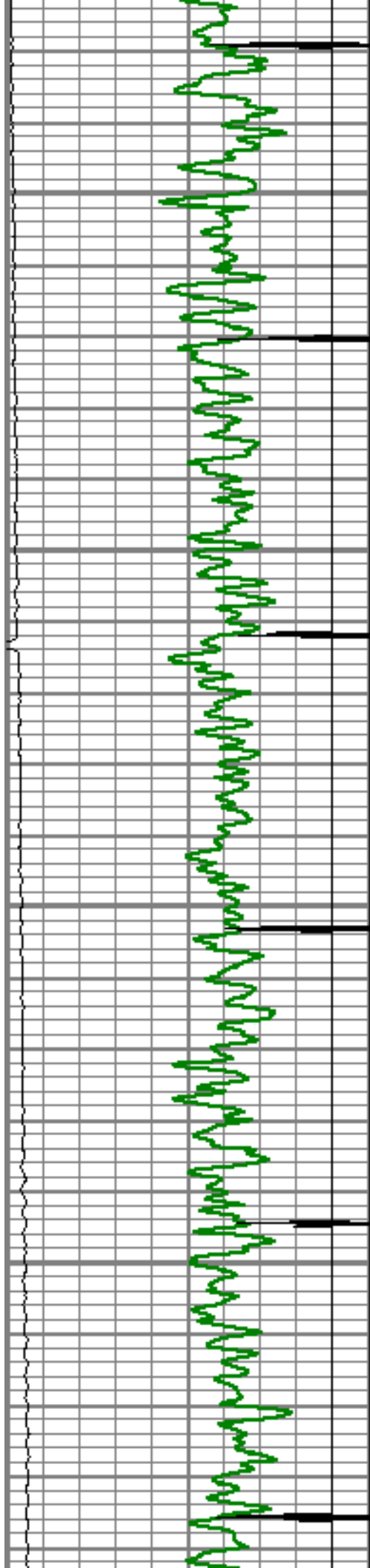
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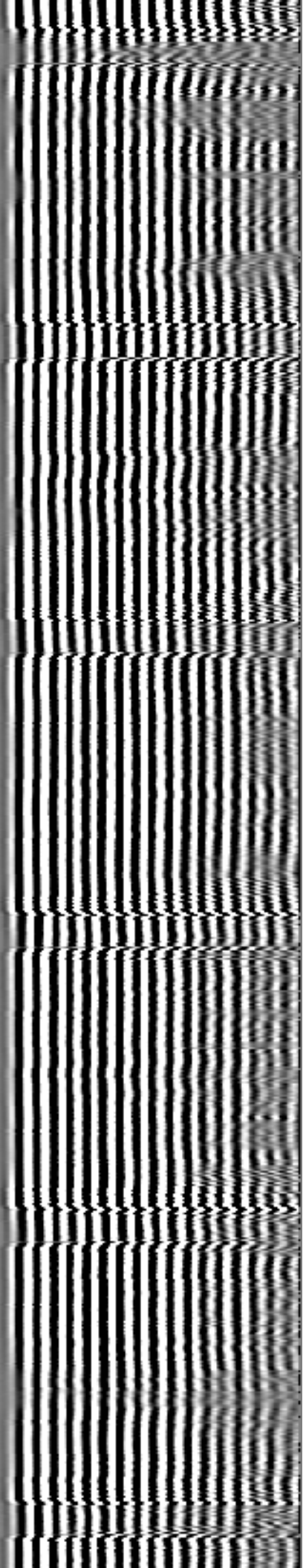
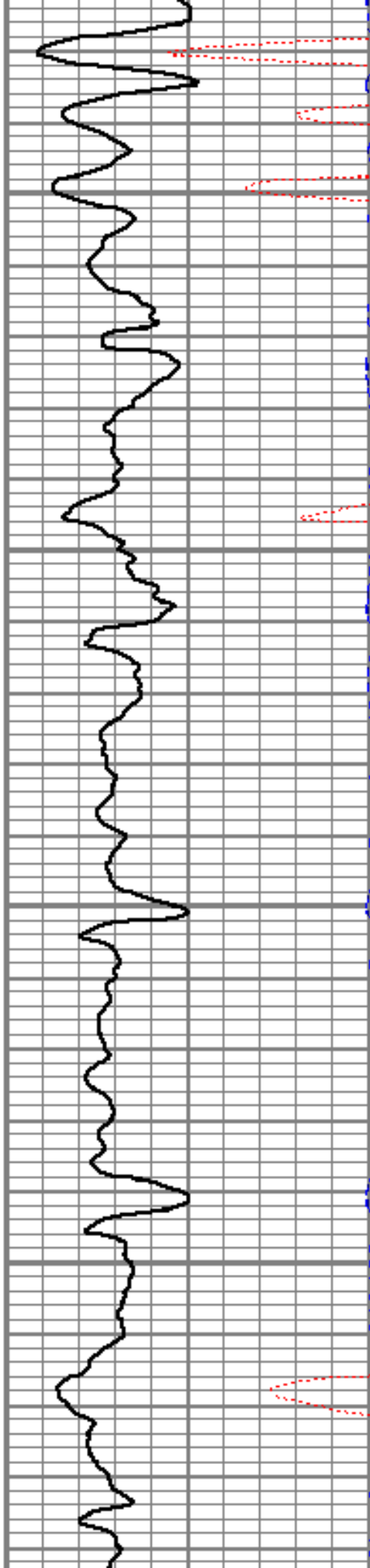


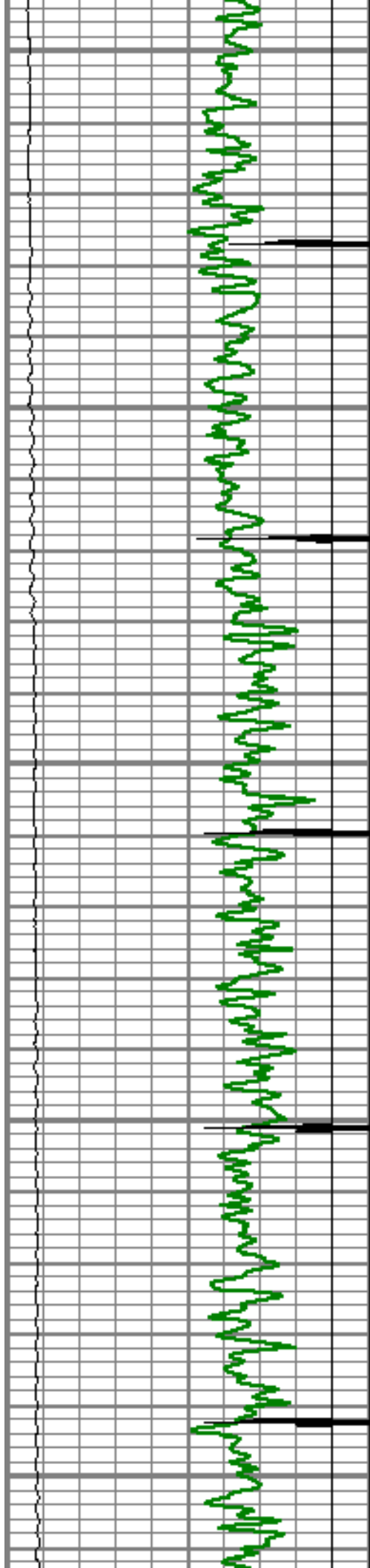
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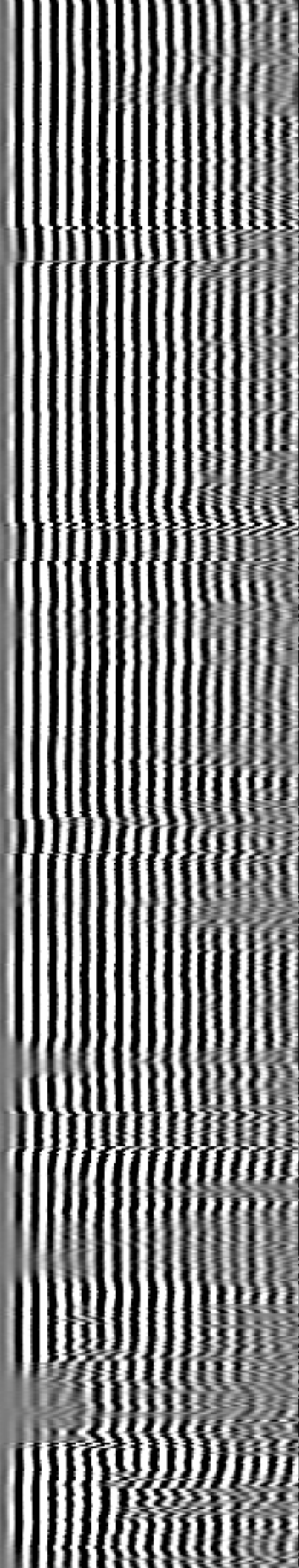
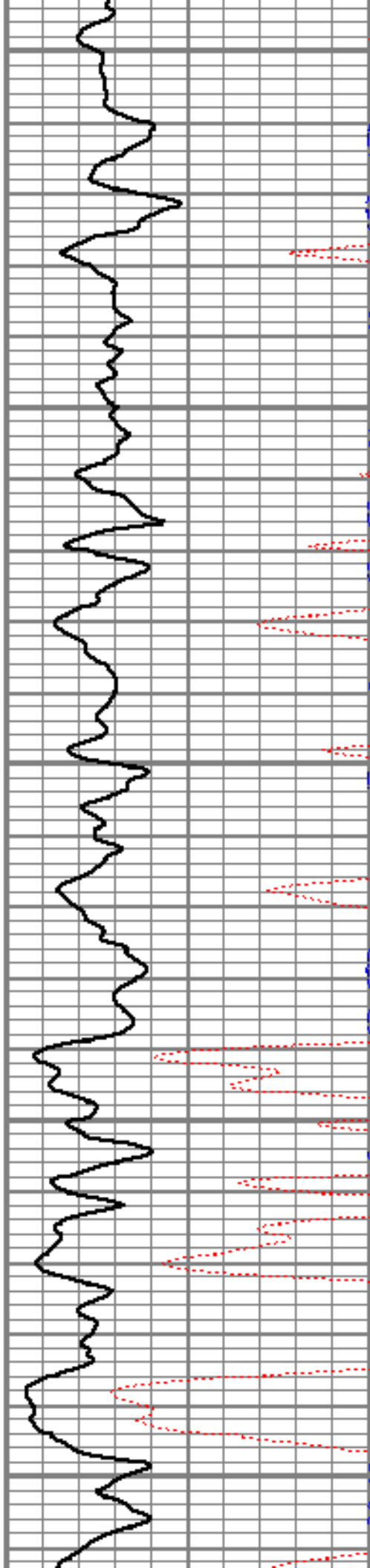
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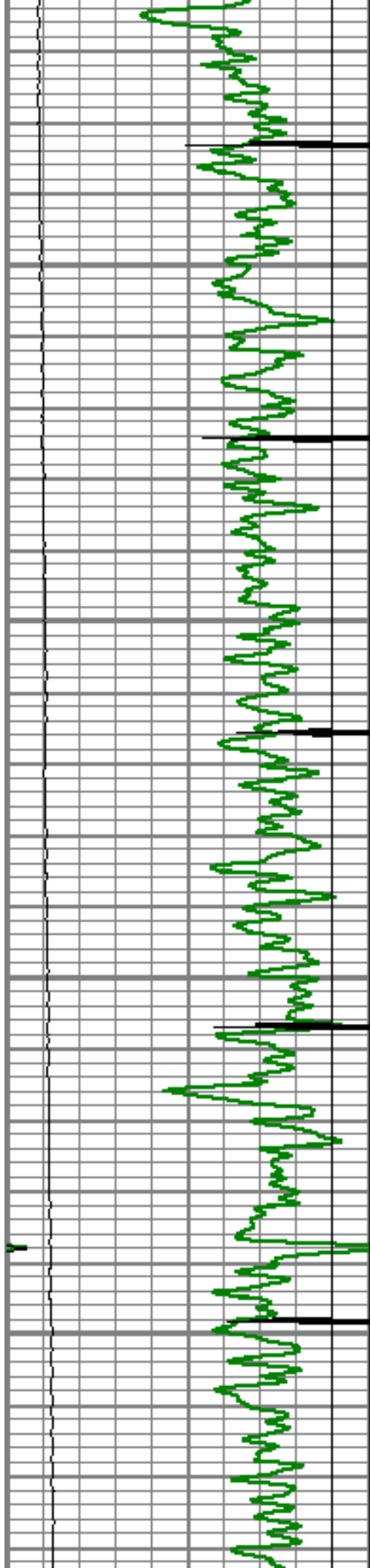
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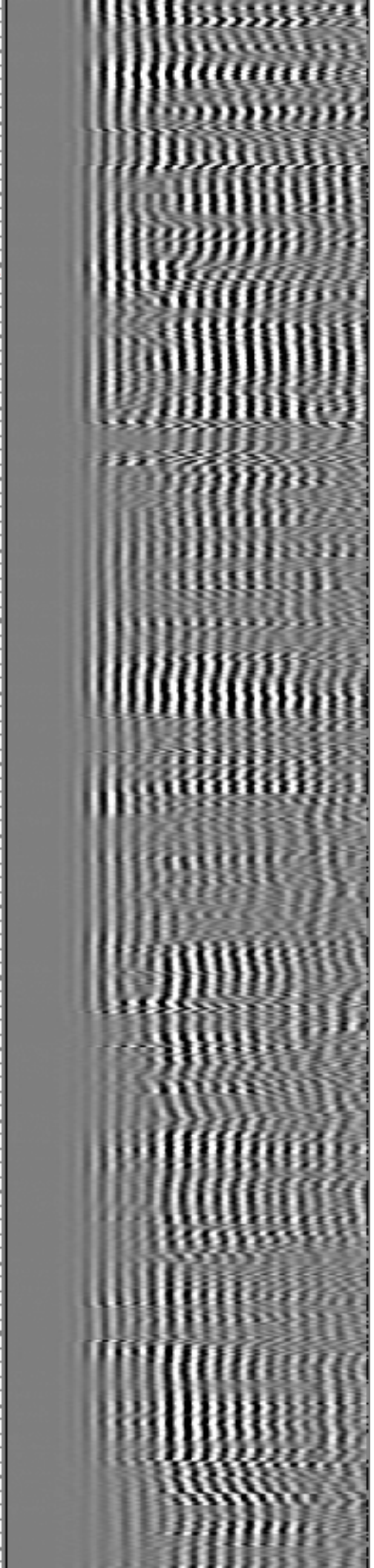
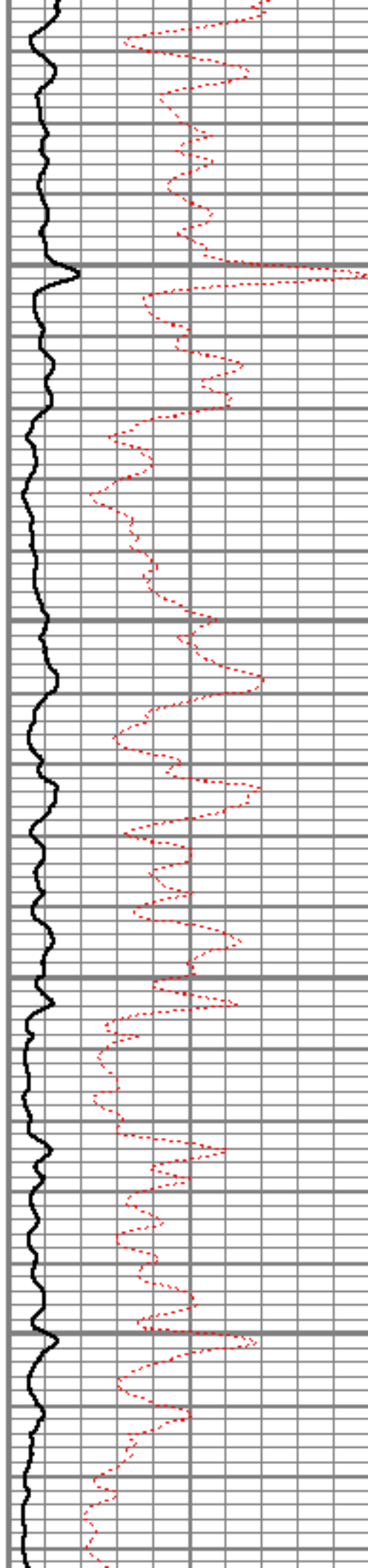


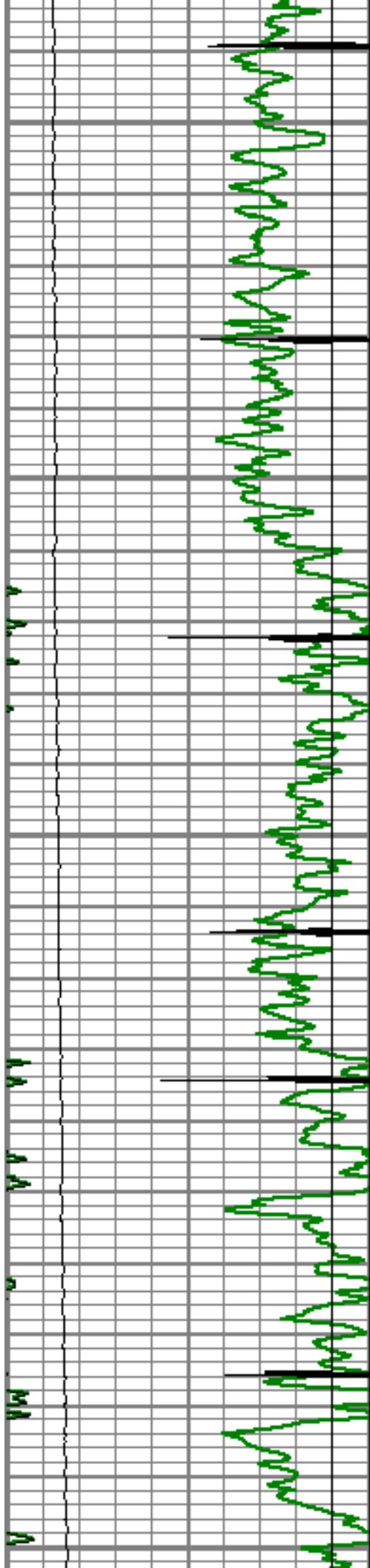
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7050

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7150





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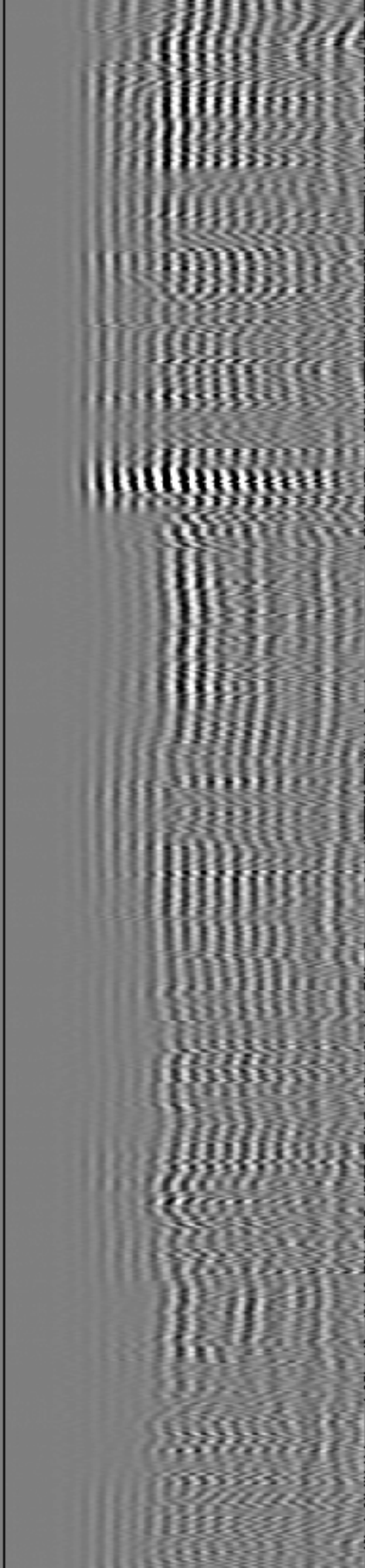
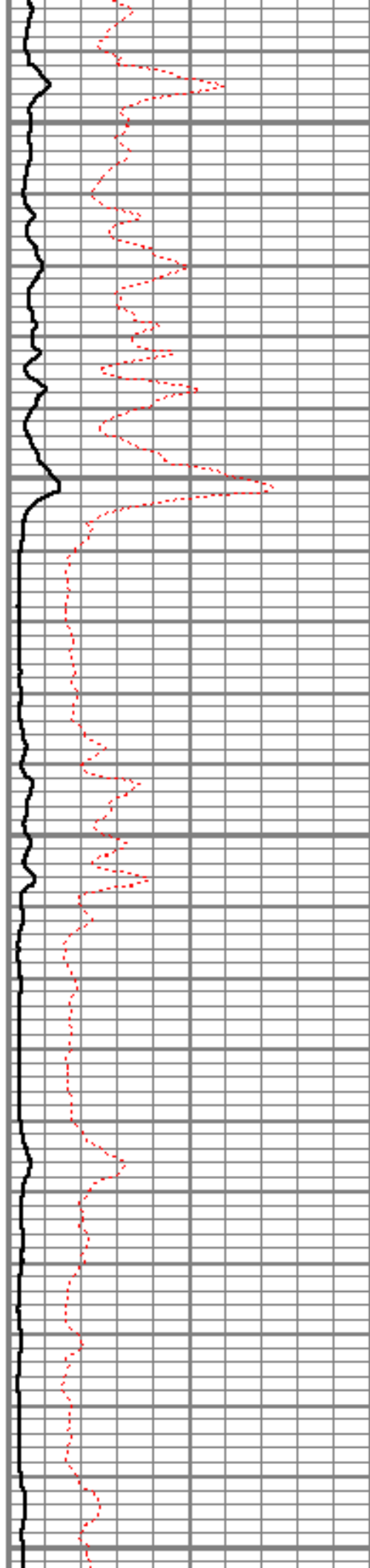
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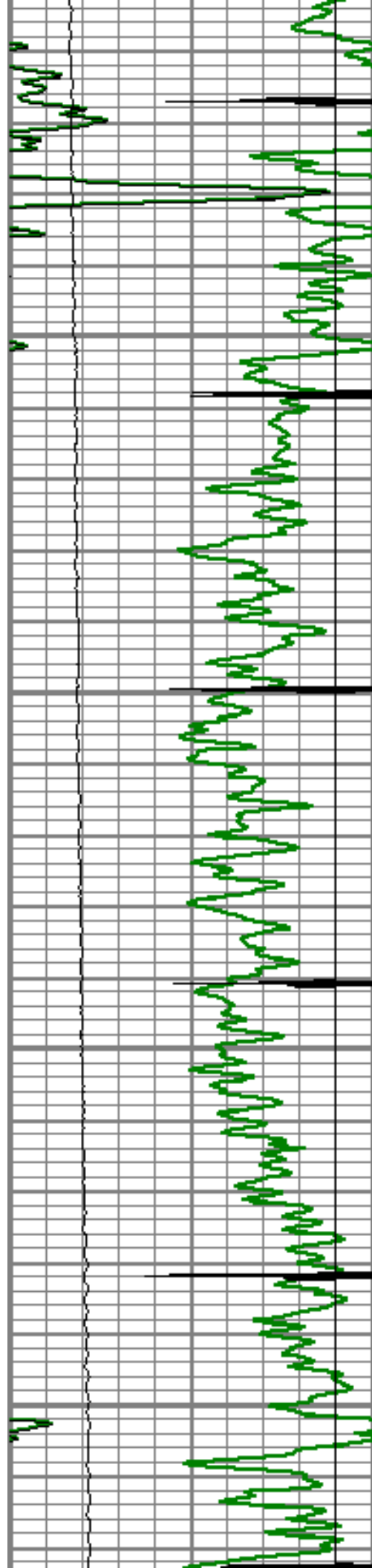
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Short Joint

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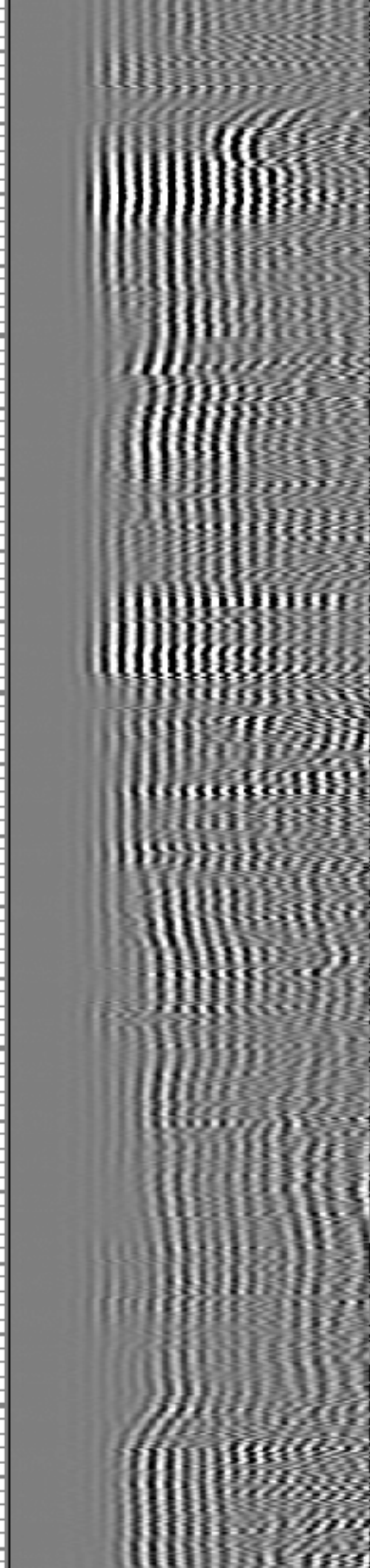
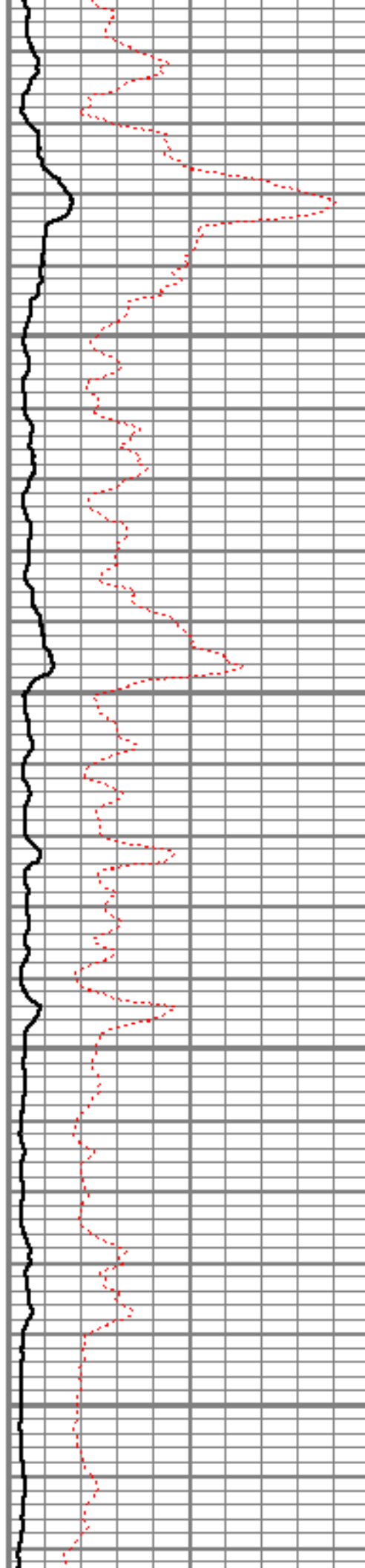


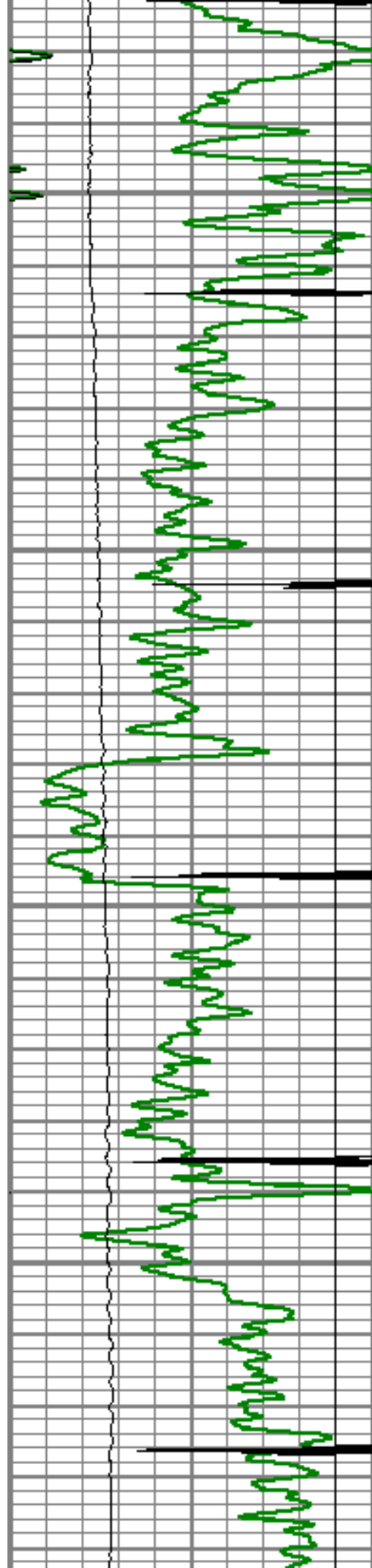
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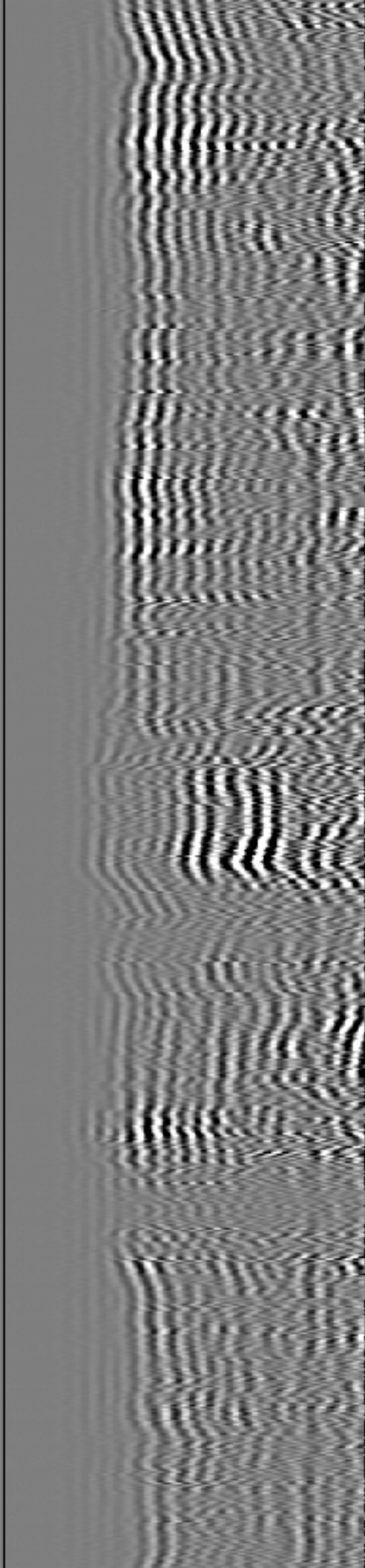
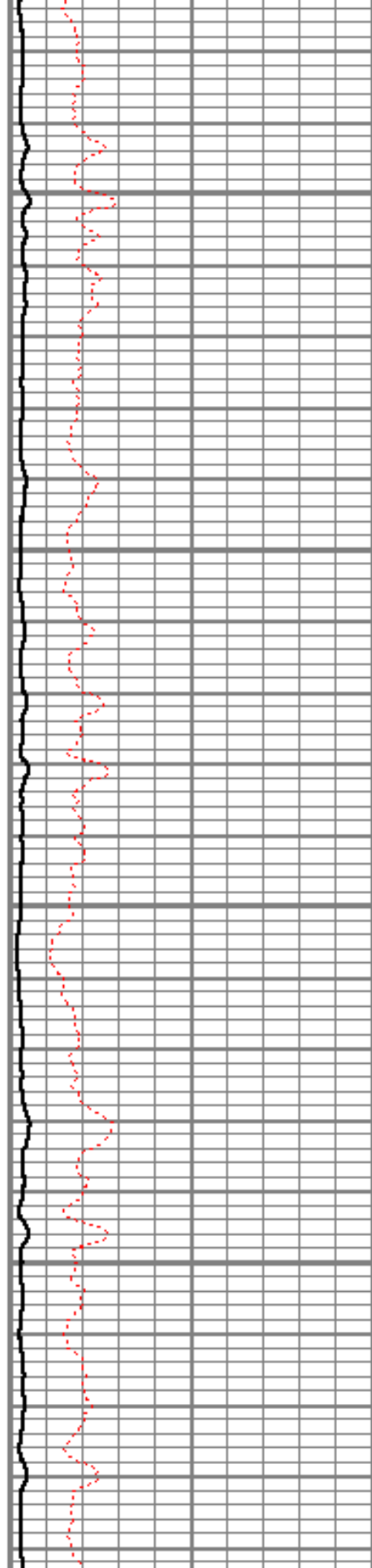


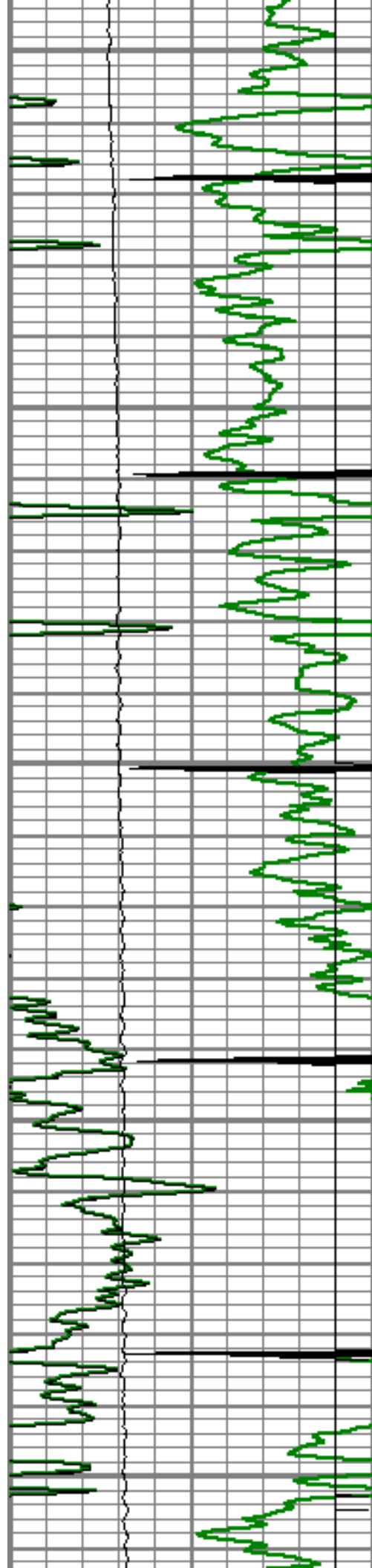
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7750

7800





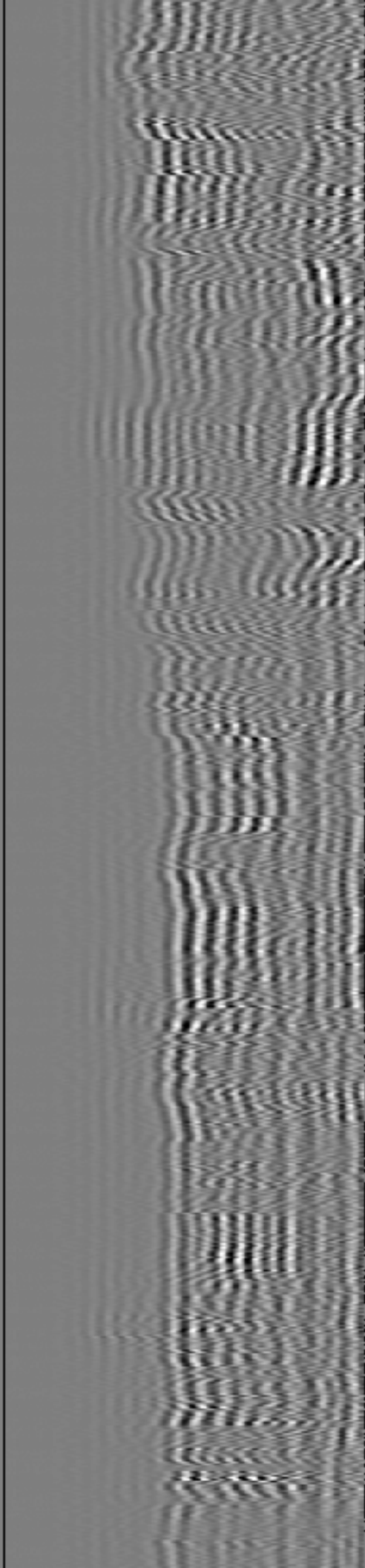
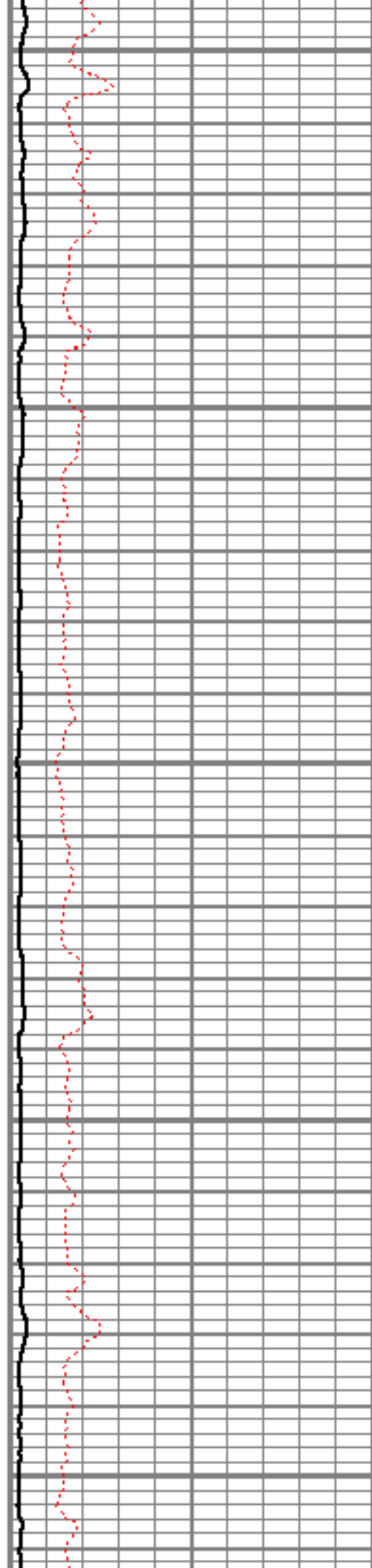
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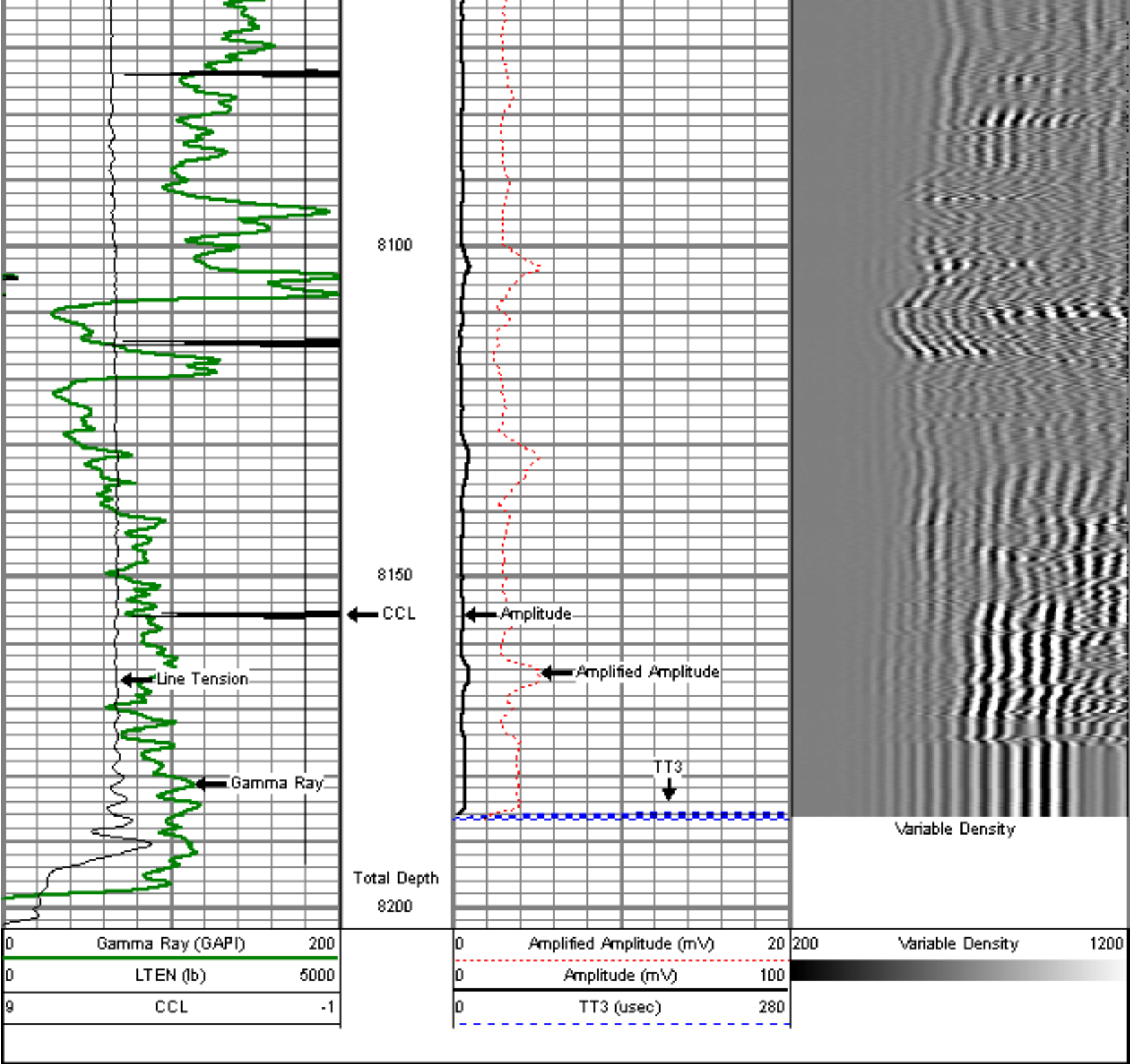
7900

7950

8000

8050





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			titan Titan Cable Head Go Pils.	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-1) Probe Bow-spring Centralizer	2.88	2.75	10.00

WVF3	16.56		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.7711) Probe 2.75" Dial Receiver Bond	2.75	60.00
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 MagnetCCL	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_012.88) Portable probe Temp tool	1.38	15.00
TEMP	0.17				
Dataset: rasmussen 0-6-19.db: field/well/run1/pass50H Total Length: 24.98 ft Total Weight: 126.50 lb O.D.: 2.75 in					



Company ENCANA OIL & GAS (USA) INC.
 Well RASMUSSEN 0-6-19
 Field WATTENBERG
 County WELD
 State COLORADO