

CEMENT BOND LOG



Mesa Wireline

Company		ENCANA OIL & GAS (USA) INC	
Well		RASMUSSEN 2-8-19	
Field		WATTENBERG	
County		WELD	
State		COLORADO	
Company		ENCANA OIL & GAS (USA) INC	
Well		RASMUSSEN 2-8-19	
Field		WATTENBERG	
County		WELD	
State		COLORADO	
Location:		API #: 05-123-32258-0000	
SHL: 1000' FSL & 1034' FWL		Other Services	
BHL: 100' FSL & 1320' FWL		NONE	
SEC: 19 TWP: 2N RGE: 68W		Elevation	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING = 13'	
Drilling Measured From		KELLY BUSHING	
K.B. 5013'		D.F. 5012'	
G.L. 5000'			

Date	6 MARCH 2012						
Run Number	ONE						
Depth Driller	8228'						
Depth Logger	8178'						
Bottom Logged Interval	8178'						
Top Log Interval	2500'						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	8.3#						
Max. Recorded Temp.	248 DEG F						
Estimated Cement Top	3470'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	10501 PRD02						
Location	AULT. CO						
Recorded By	Z. EMICK						
Witnessed By	T. MAJORS						
Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0'	760'				
TWO	7.875"	760'	8240'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625"	24#	0'	750'			
Prot. String							
Production String	4.5"		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 1 MARCH 2012
SHORT JOINT 7250' - 7271'

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



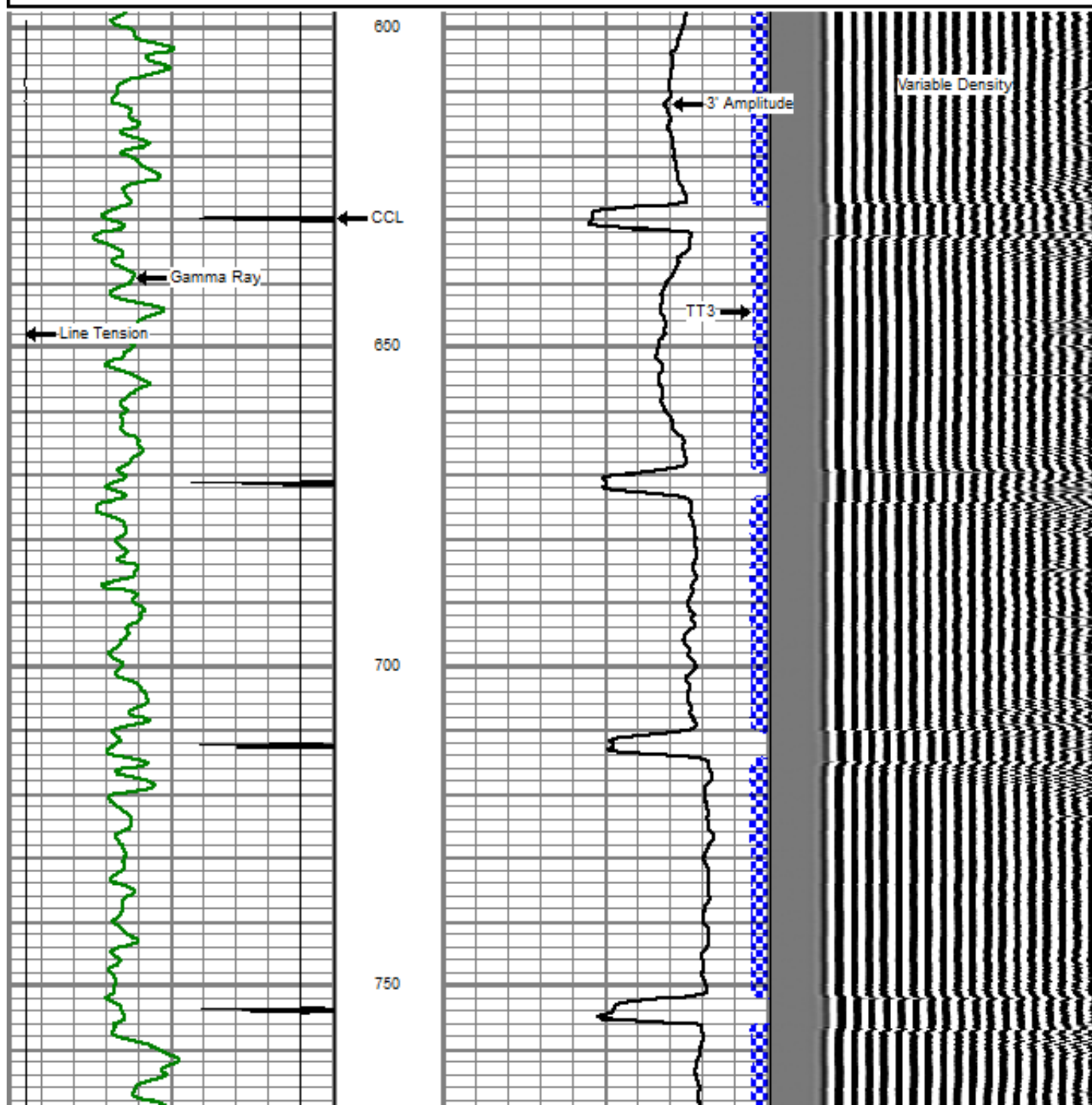
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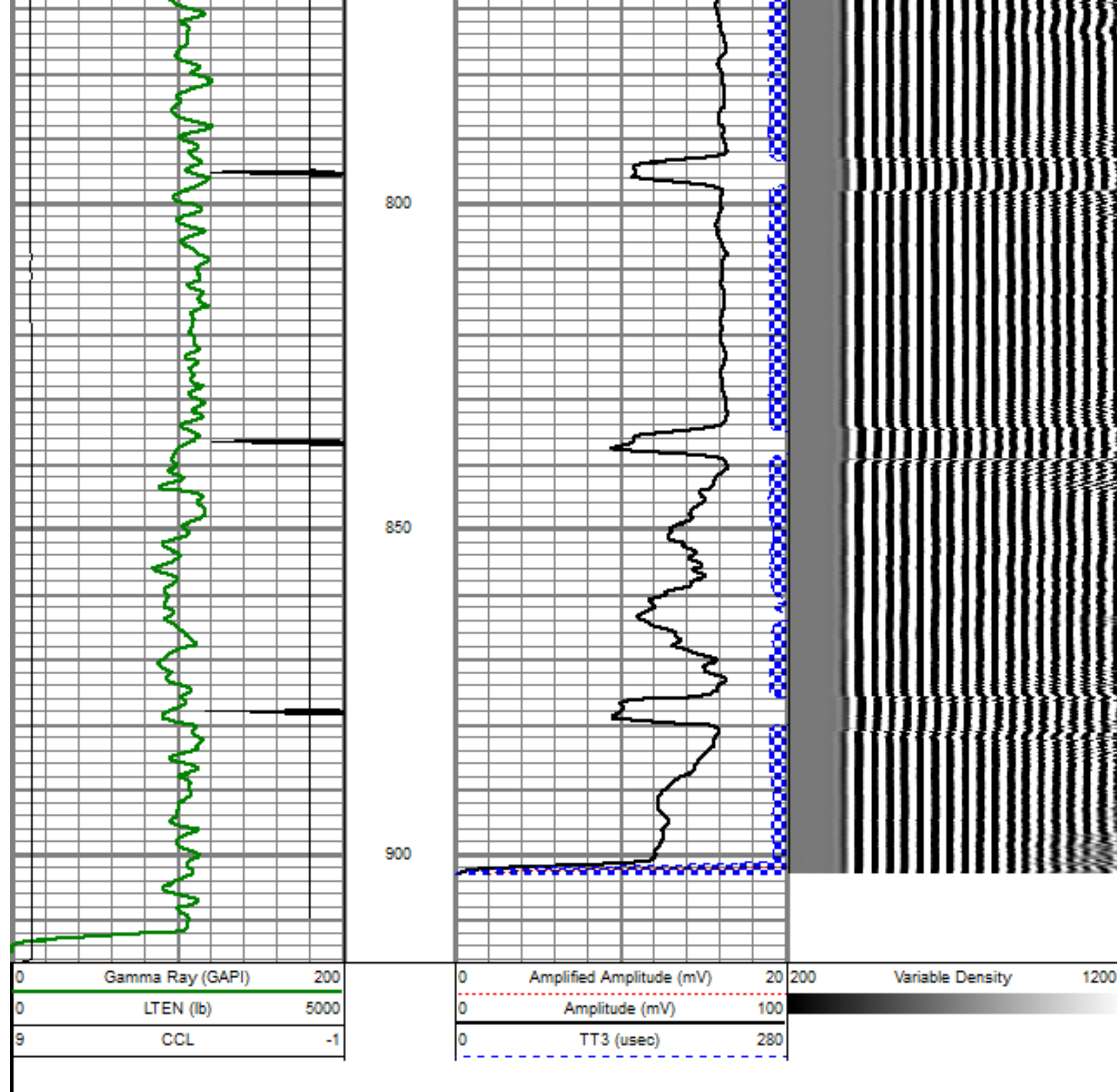
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Dataset Pathname: pass4.3
Presentation Format: dobl_prb
Dataset Creation: Tue Mar 06 12:06:12 2012 by Calo SCH 110722
Charted by: Depth in Feet scaled 1:240

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

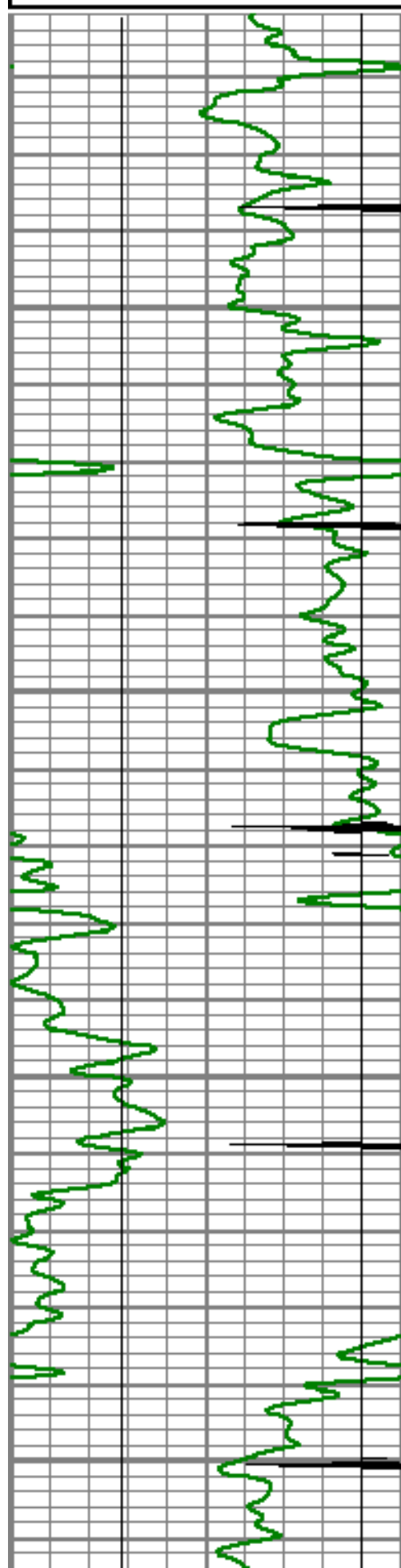
5" = 100'

Database File: rasmussen 2-8-19.db
 Dataset Pathname: pass2
 Presentation Format: dcbl_prb
 Dataset Creation: Tue Mar 06 10:18:31 2012 by Log SCH 110722
 Charted by: Depth in Feet scaled 1:240



0	LTEN (lb)	5000
9	CCL	-1

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

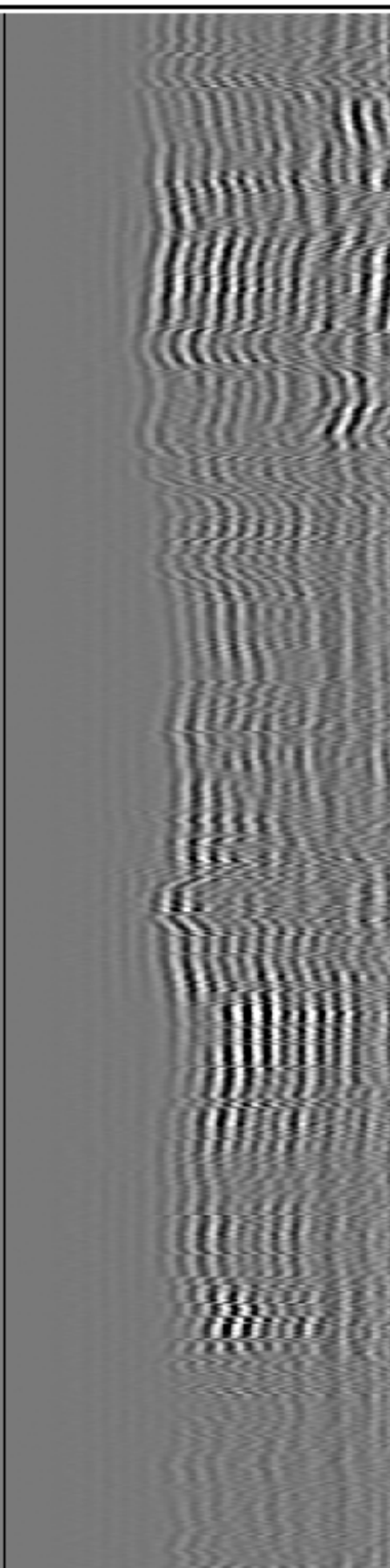
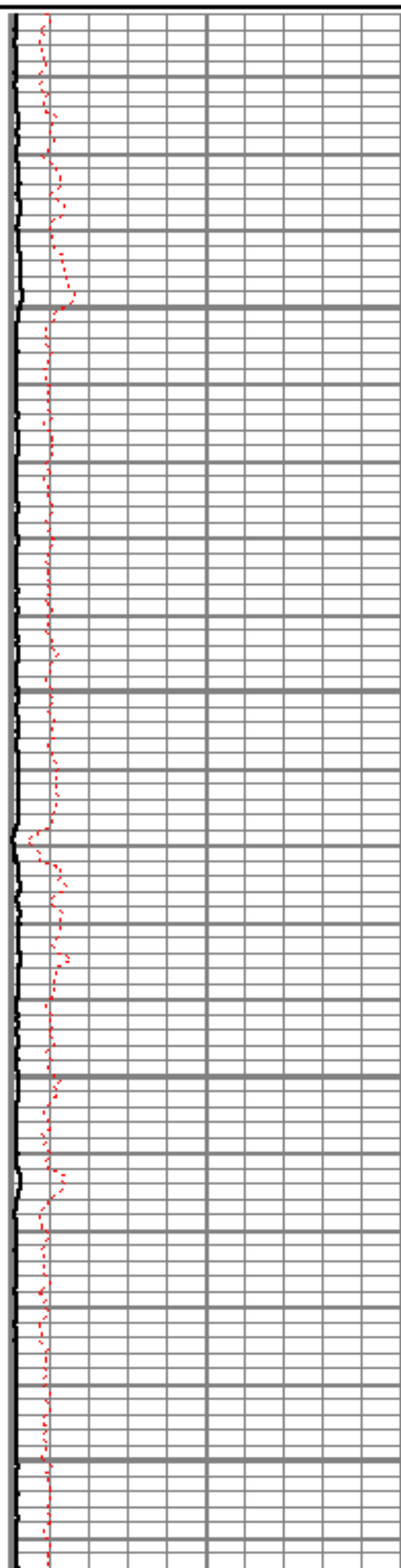


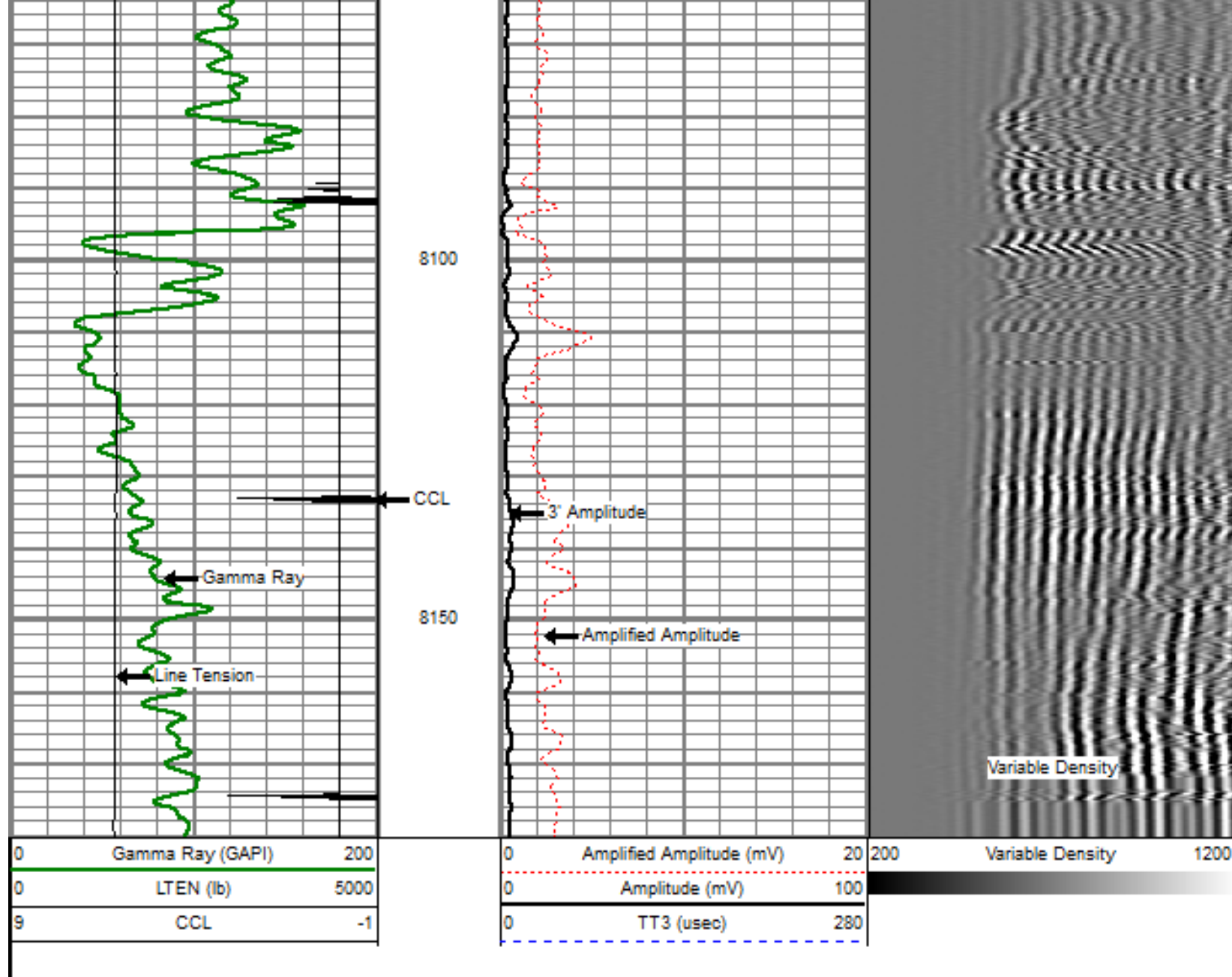
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7950

8000

8050

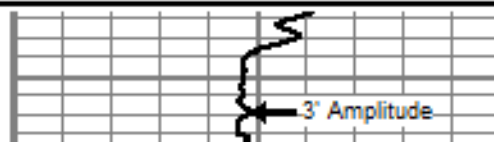
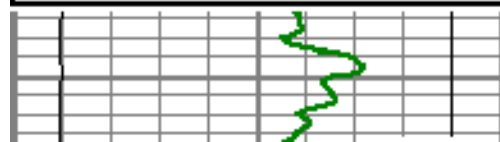
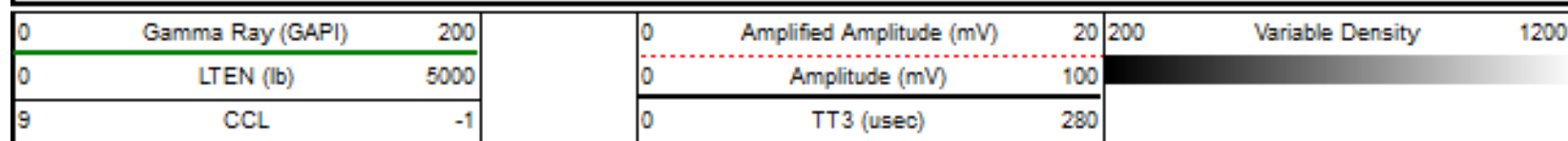


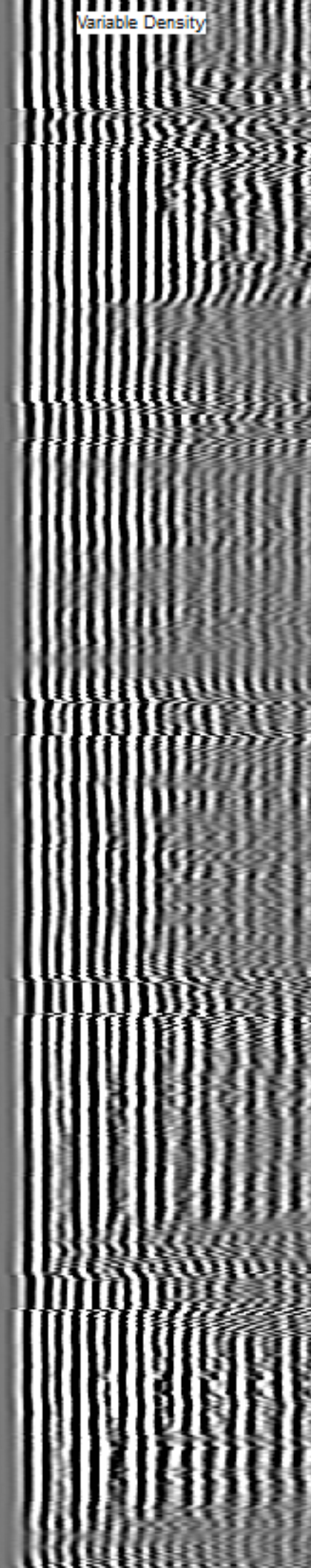
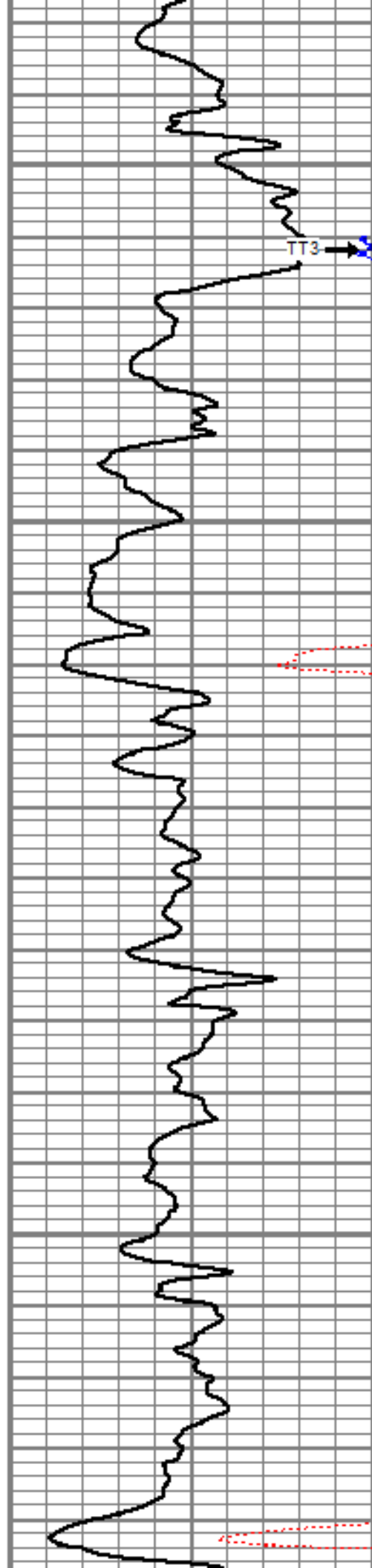
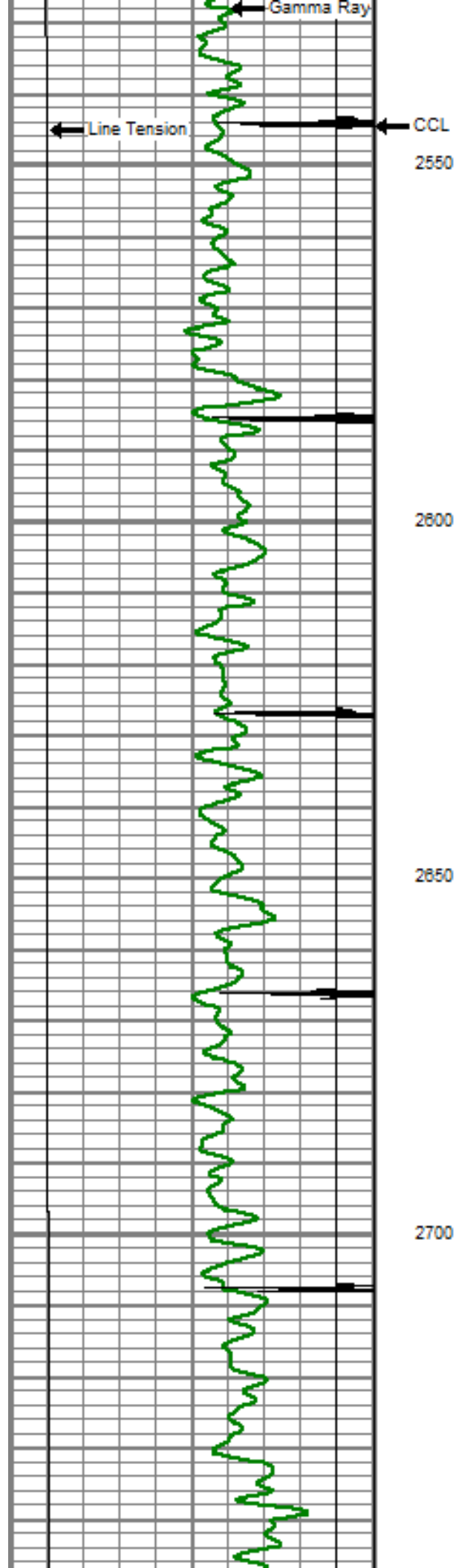


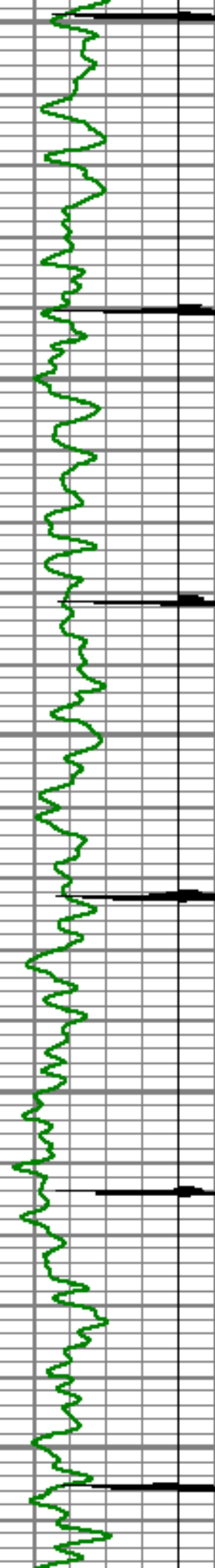
MAIN PASS

5" = 100'

Database File: rasmussen 2-8-19.db
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 Presentation Format: dobl_prb
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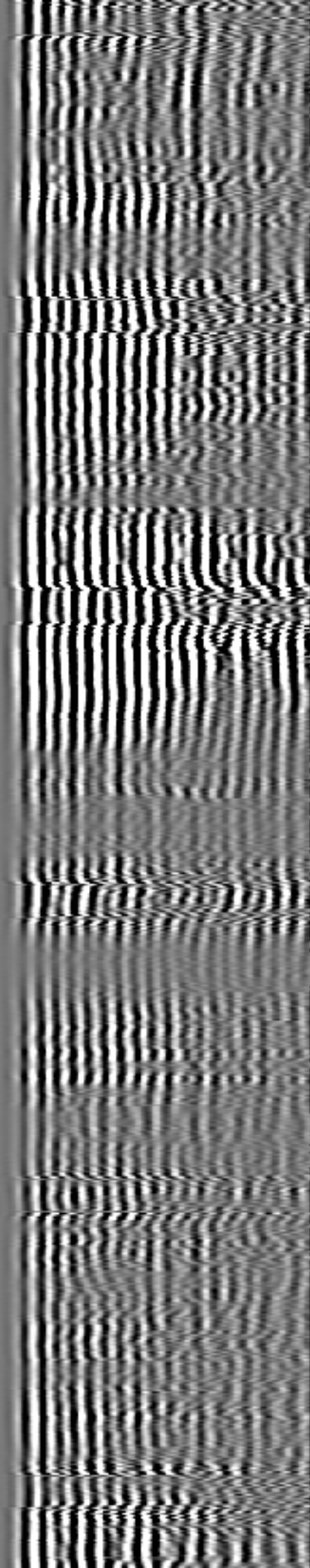
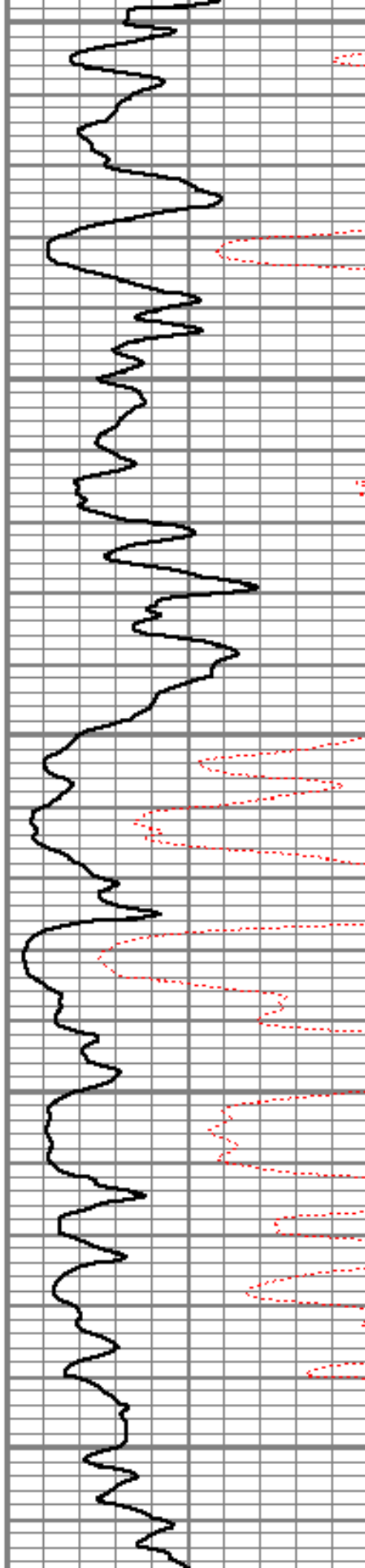
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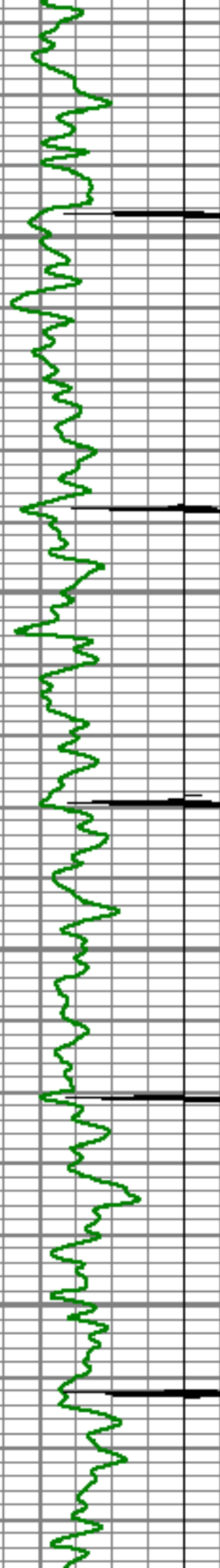
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2850

2900

2950



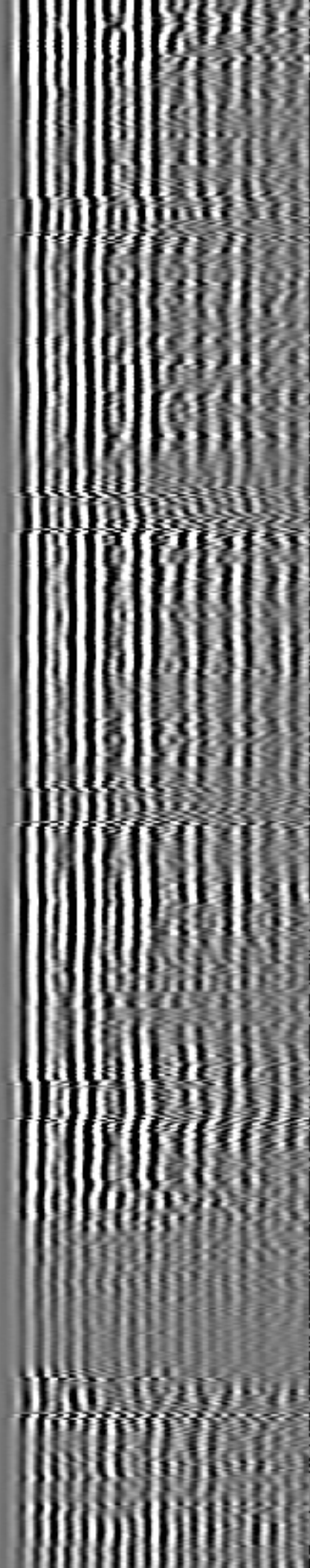
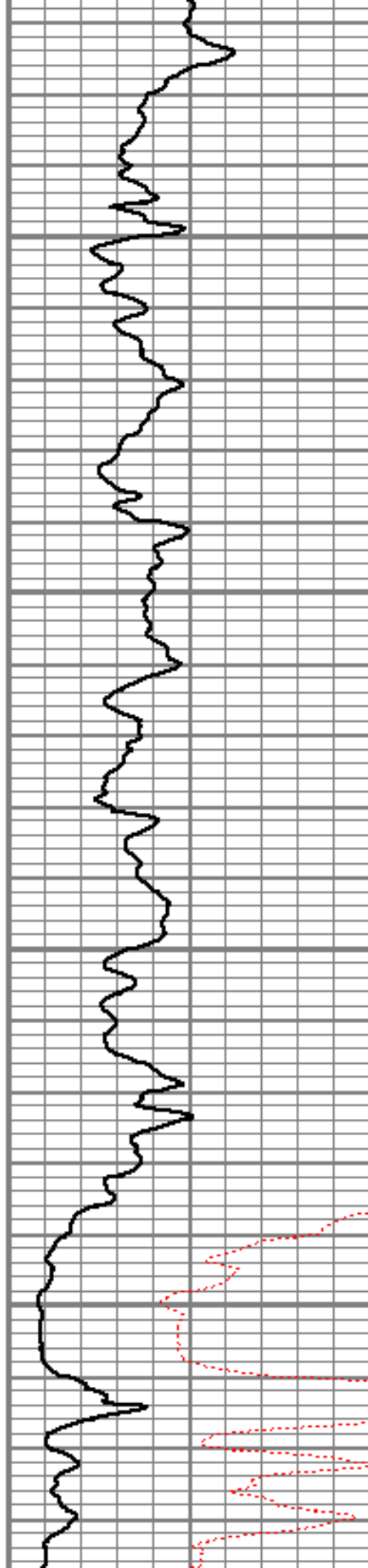


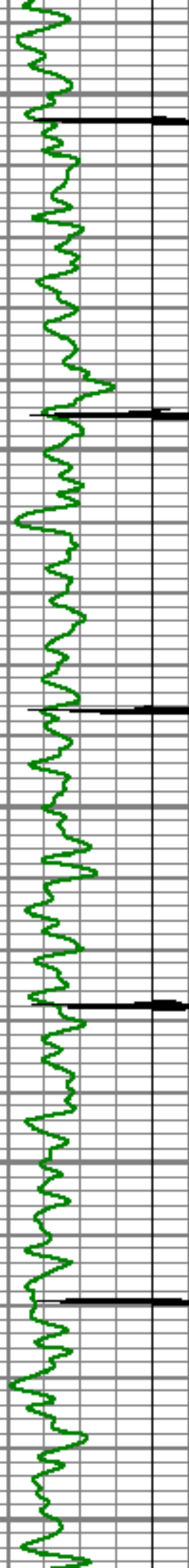
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3050

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3150





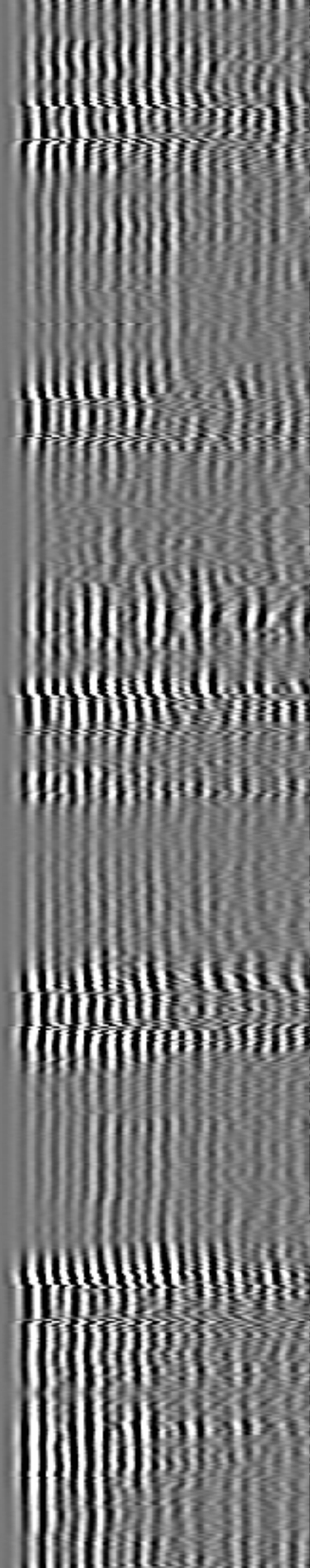
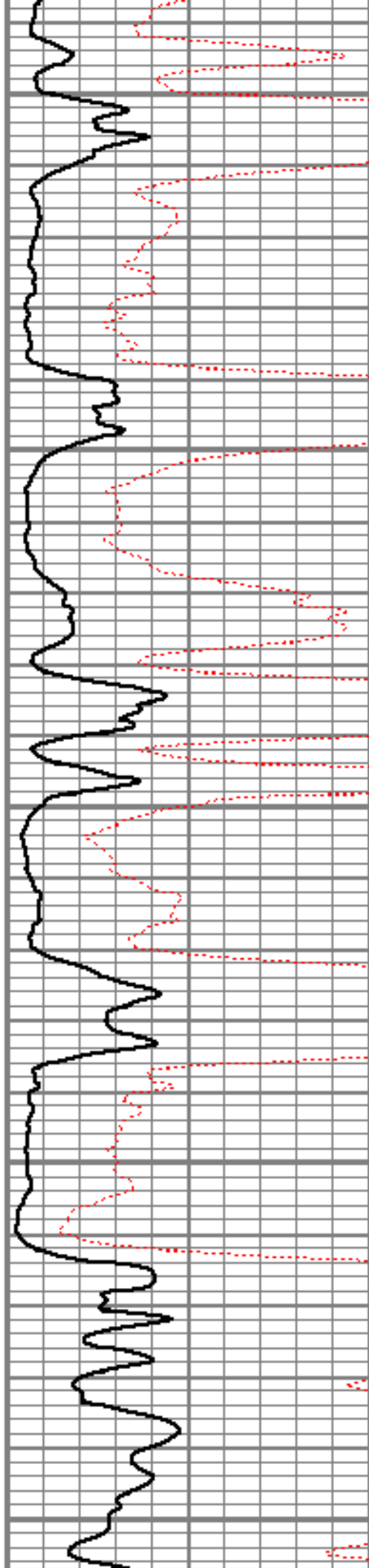
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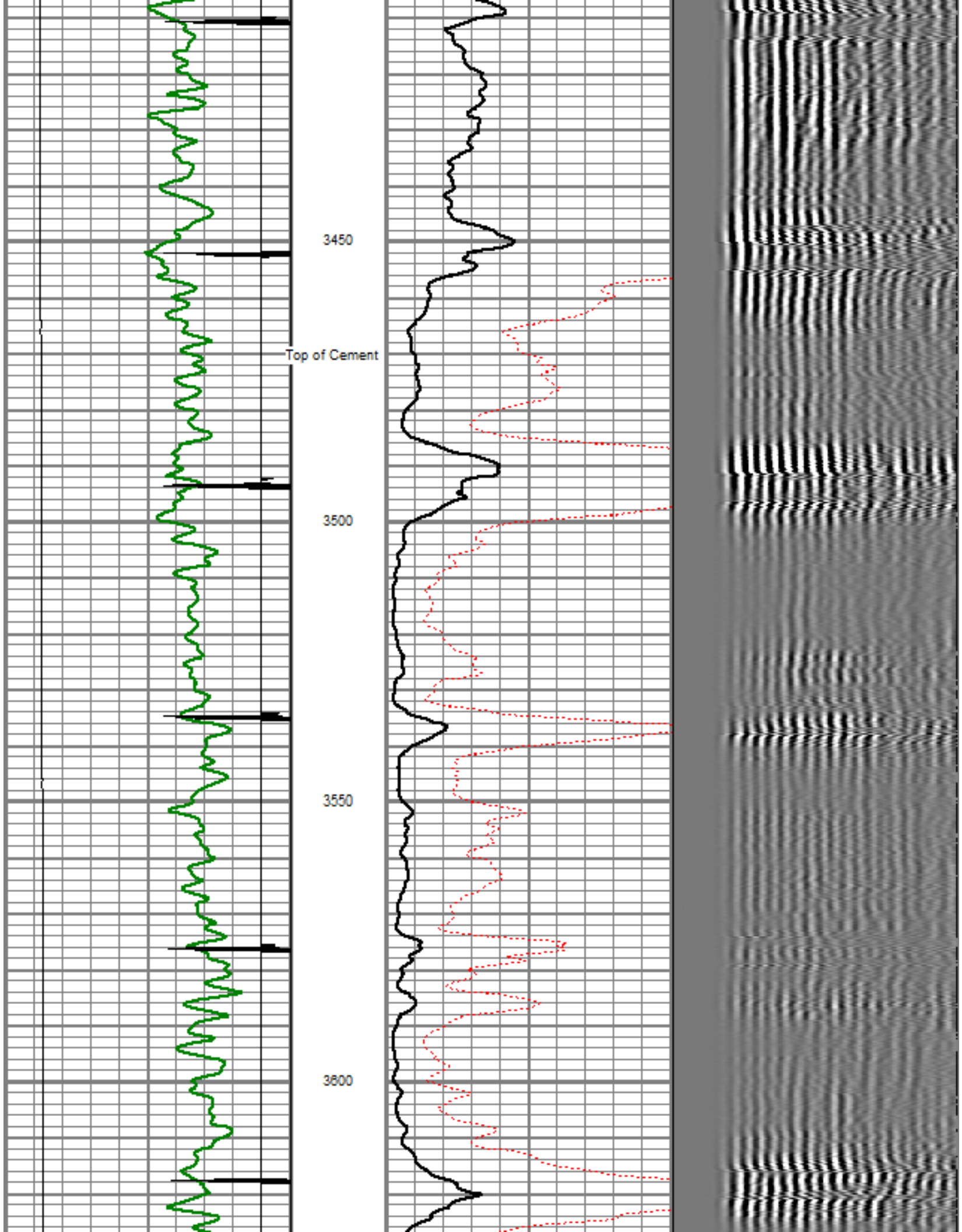
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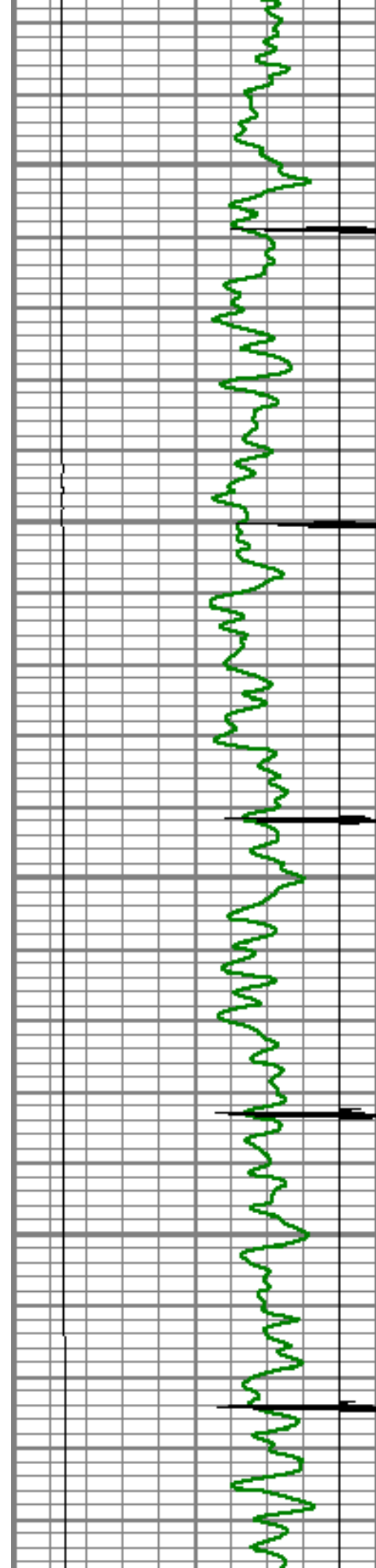
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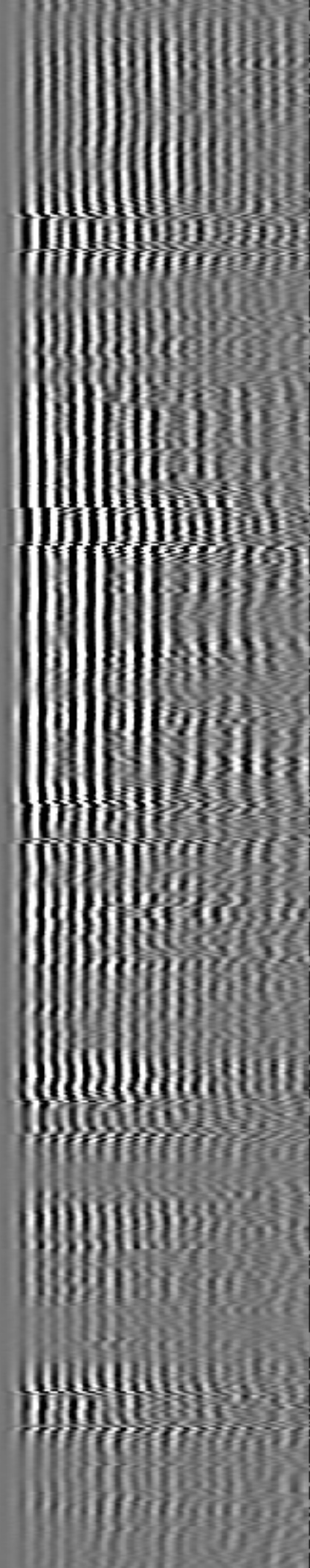
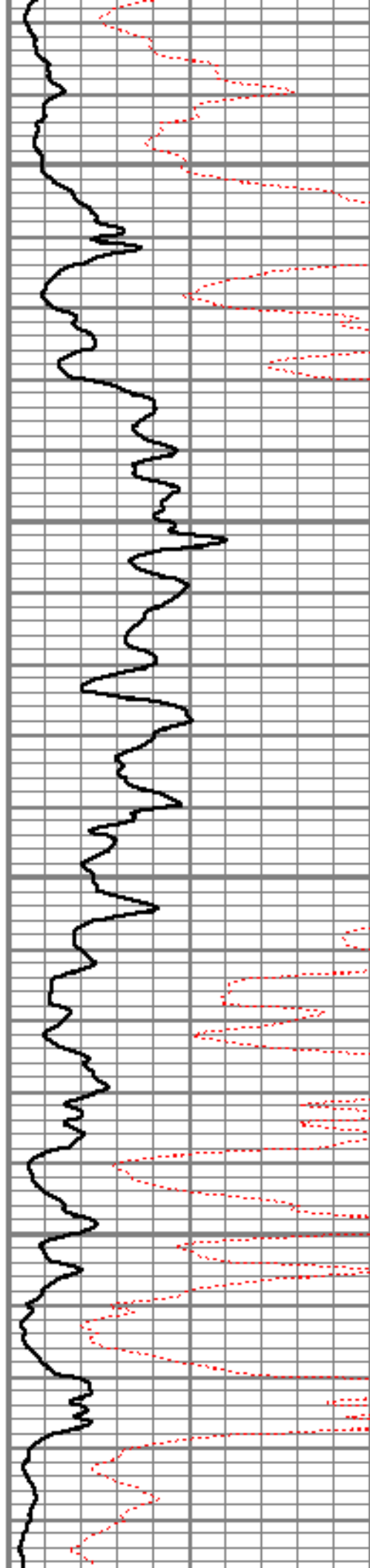


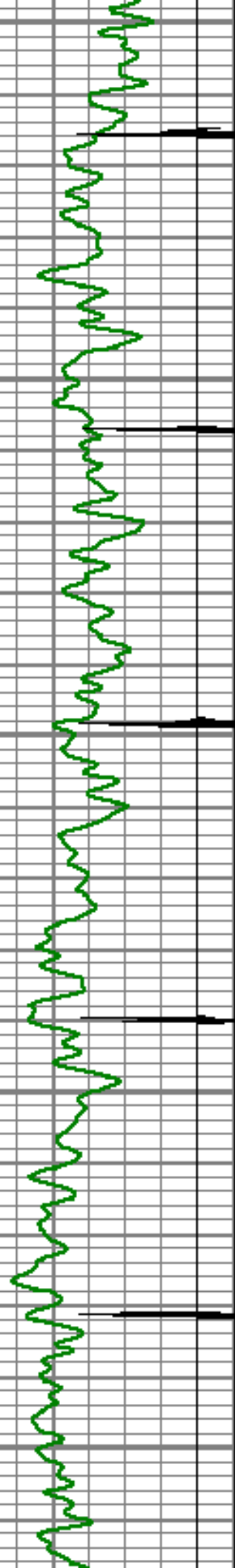
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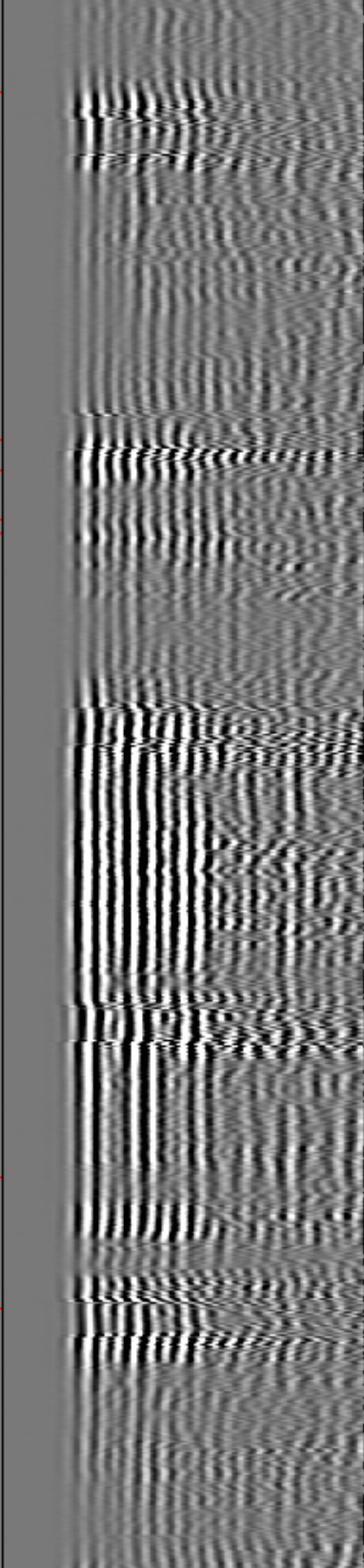
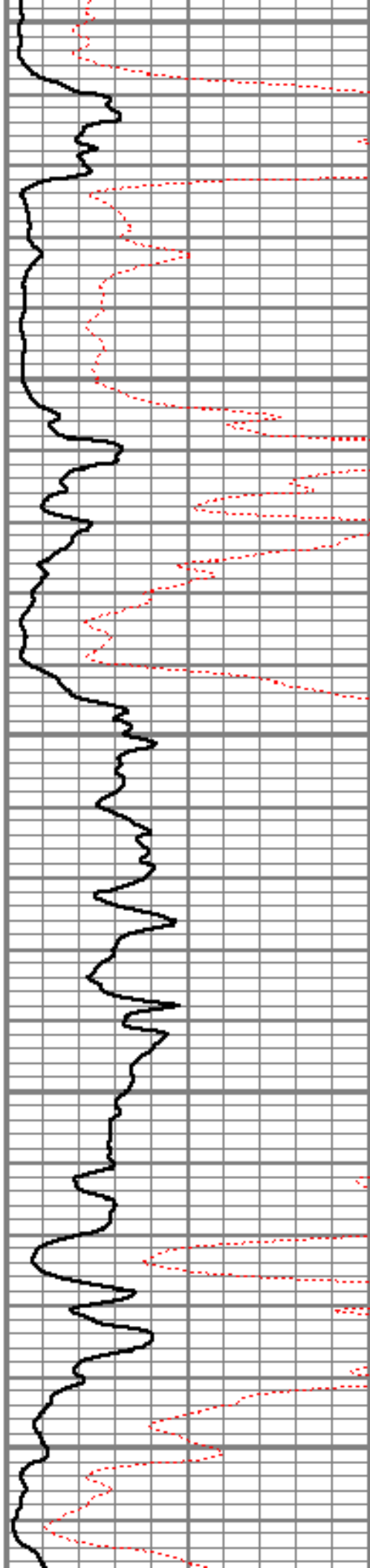
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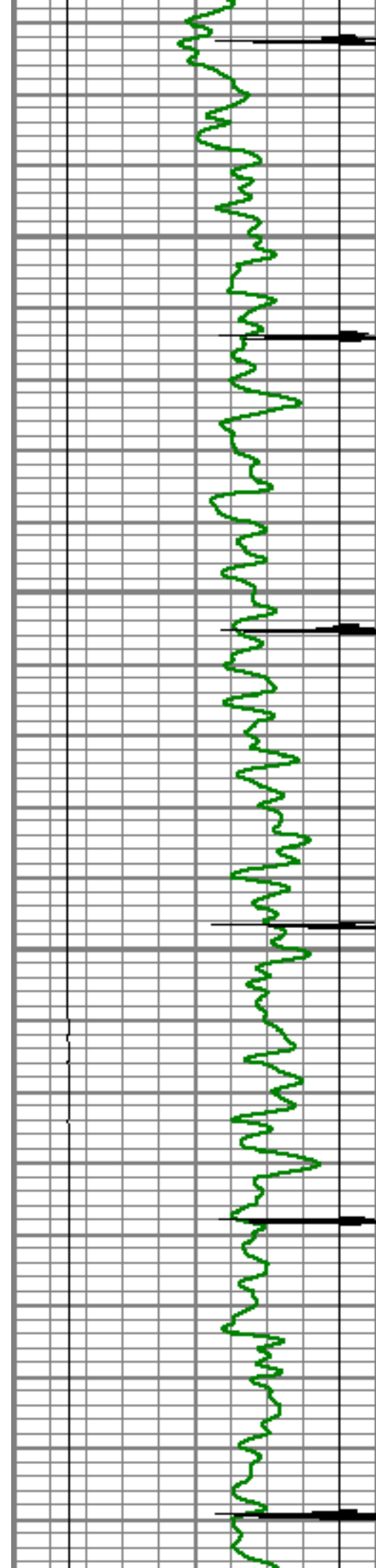
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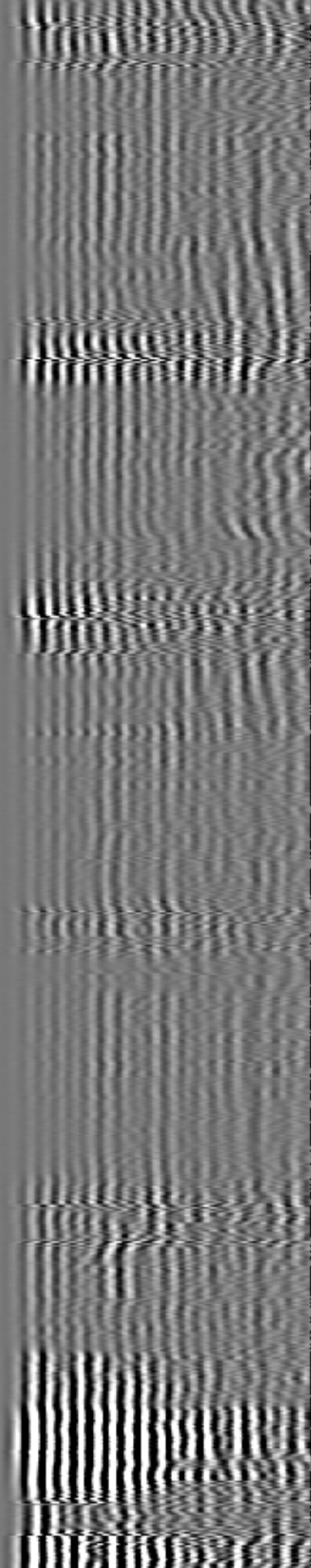
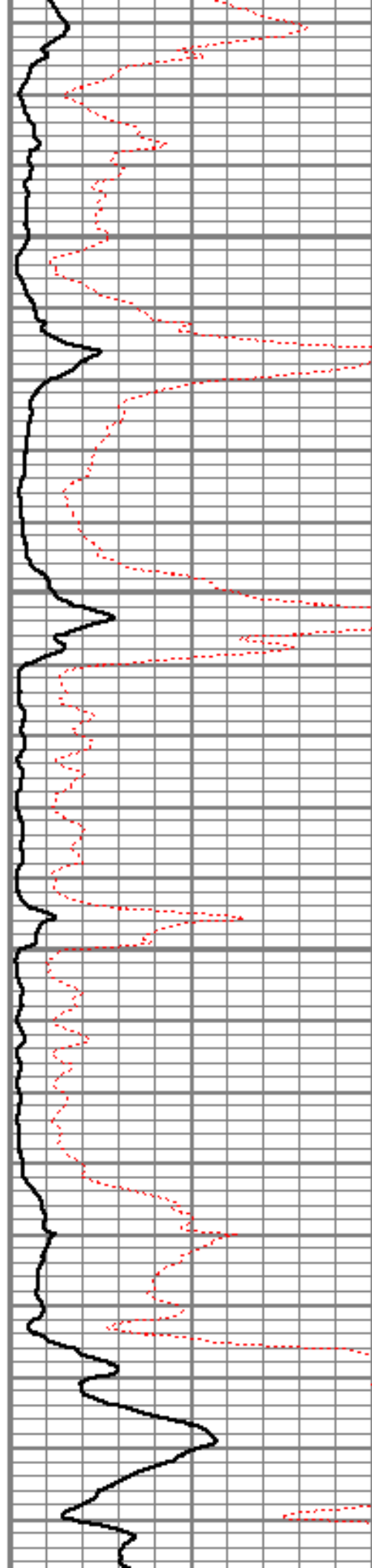


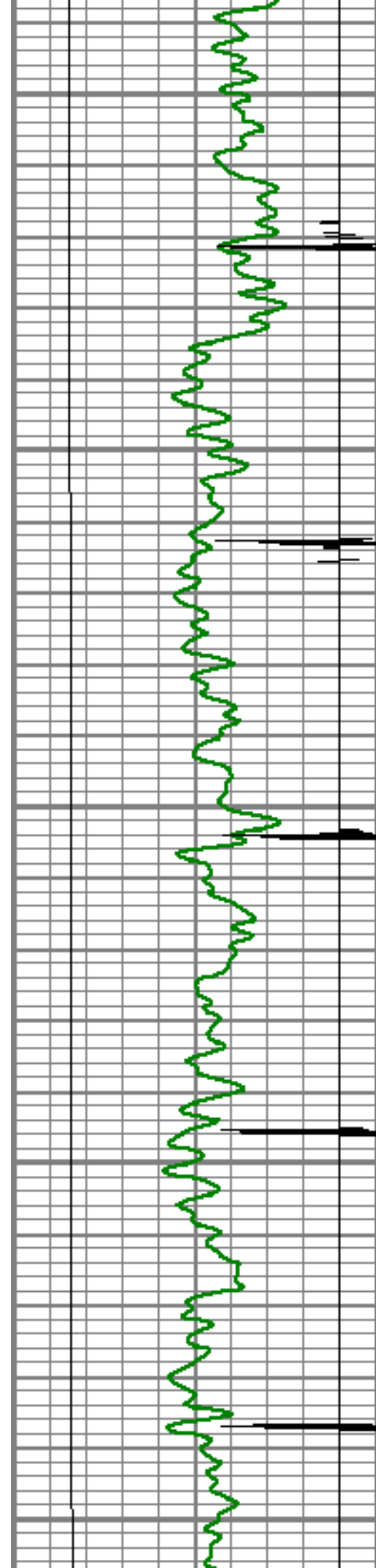
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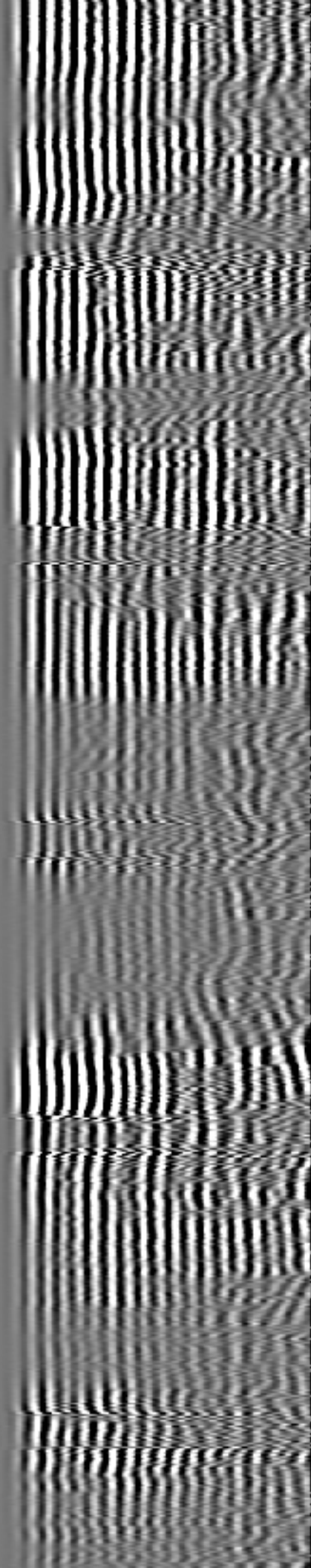
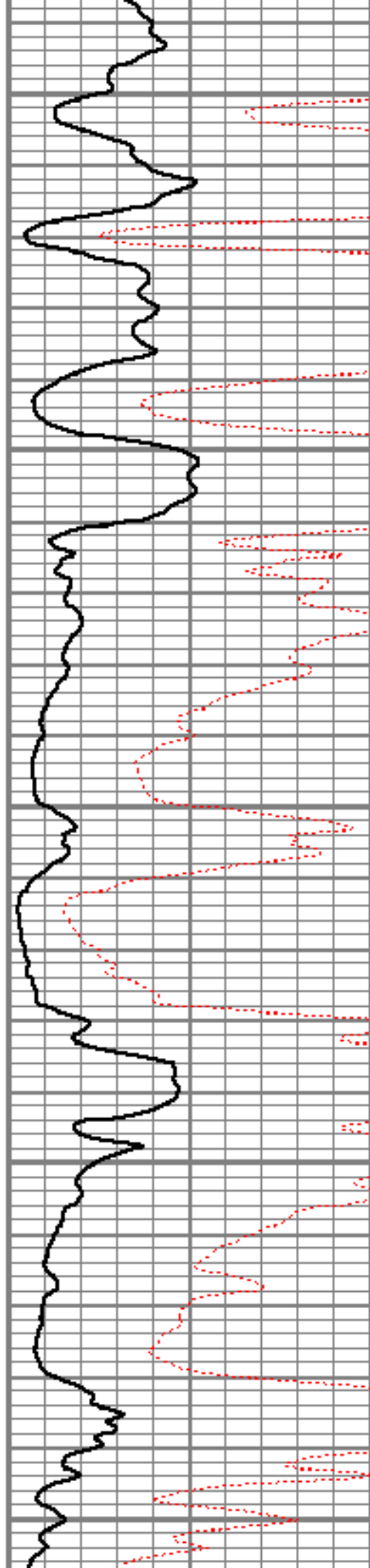
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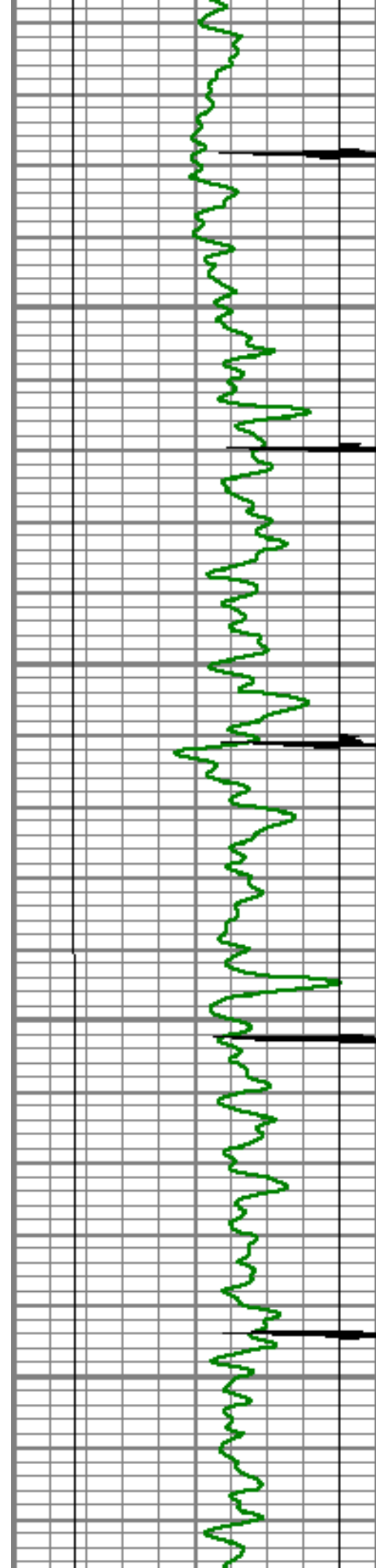
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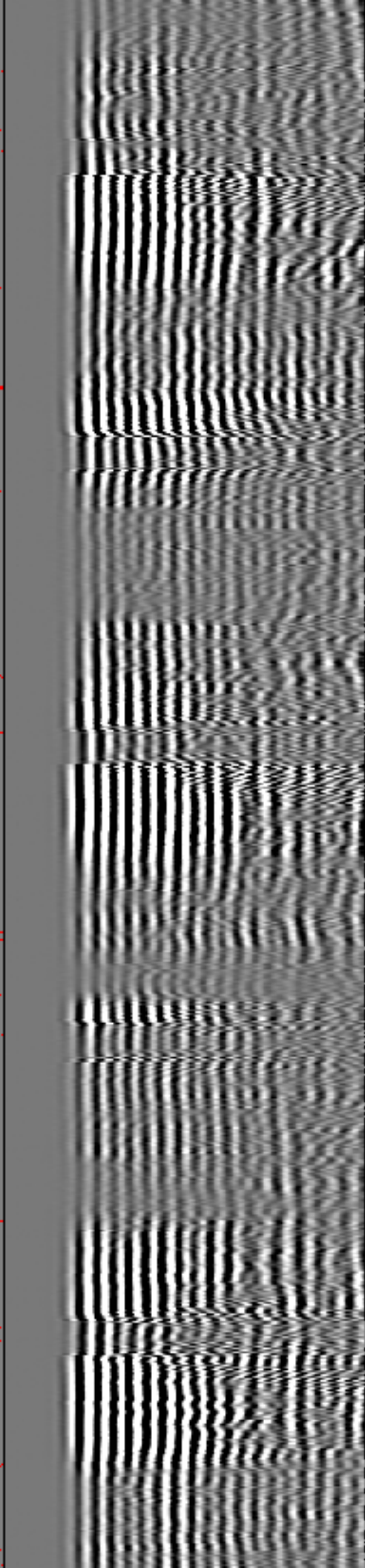
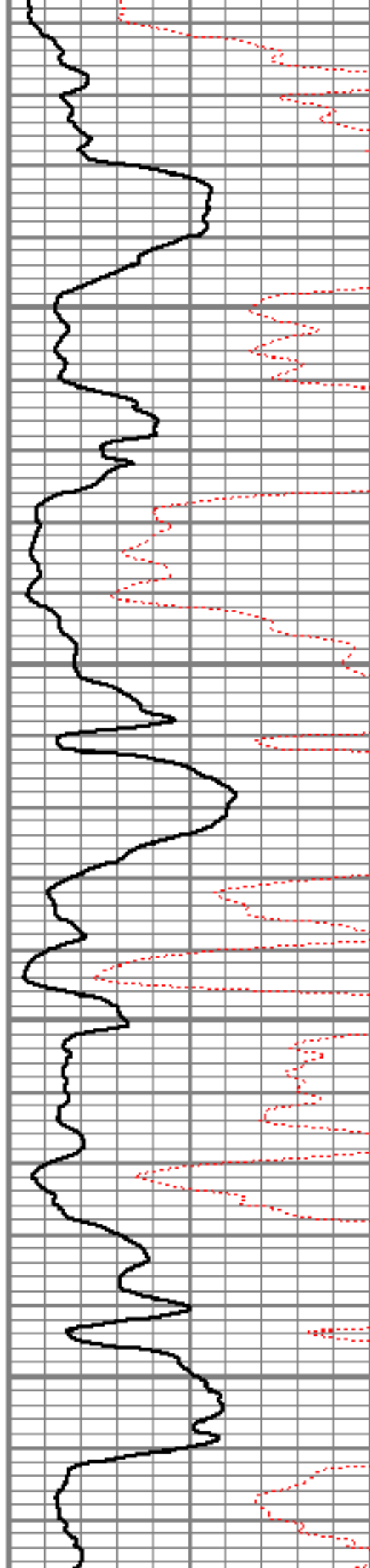


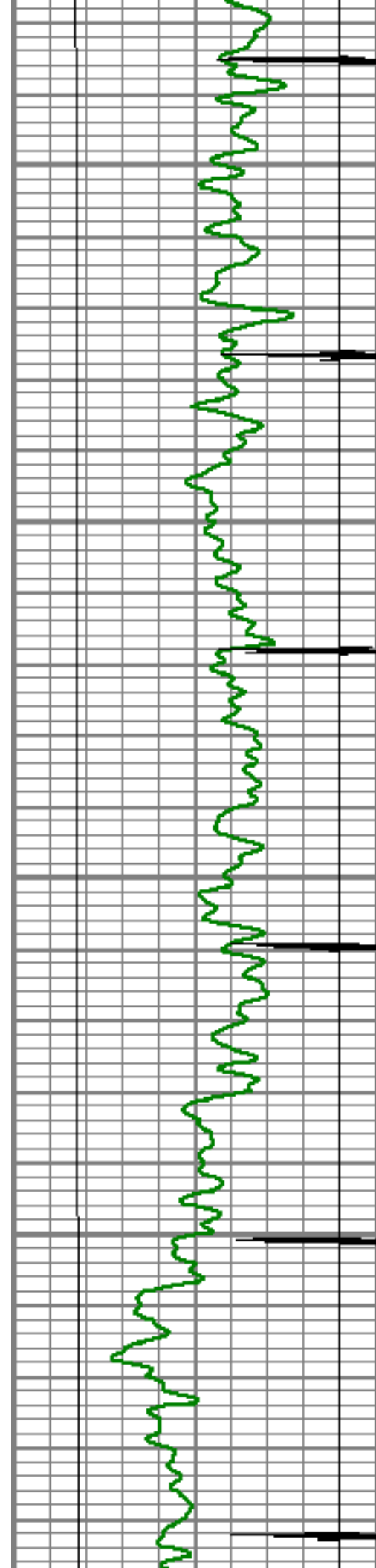
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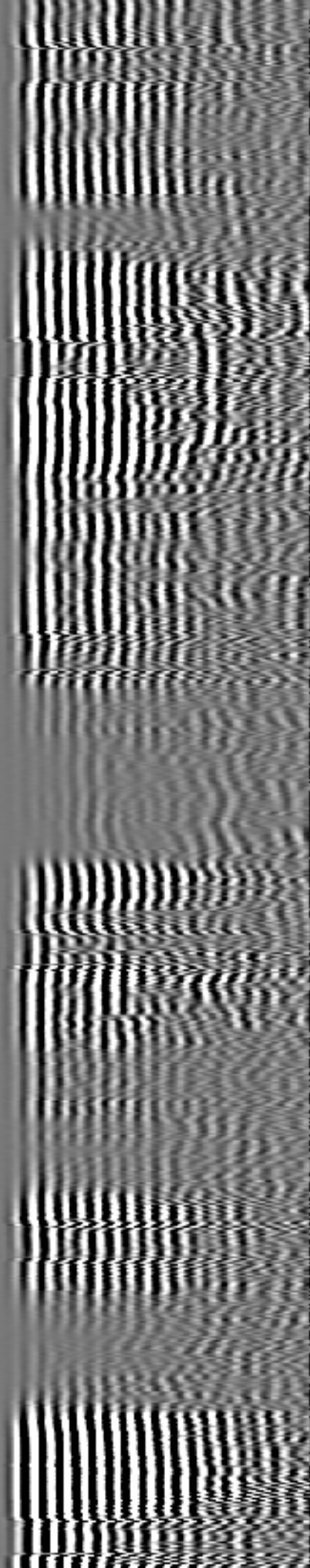
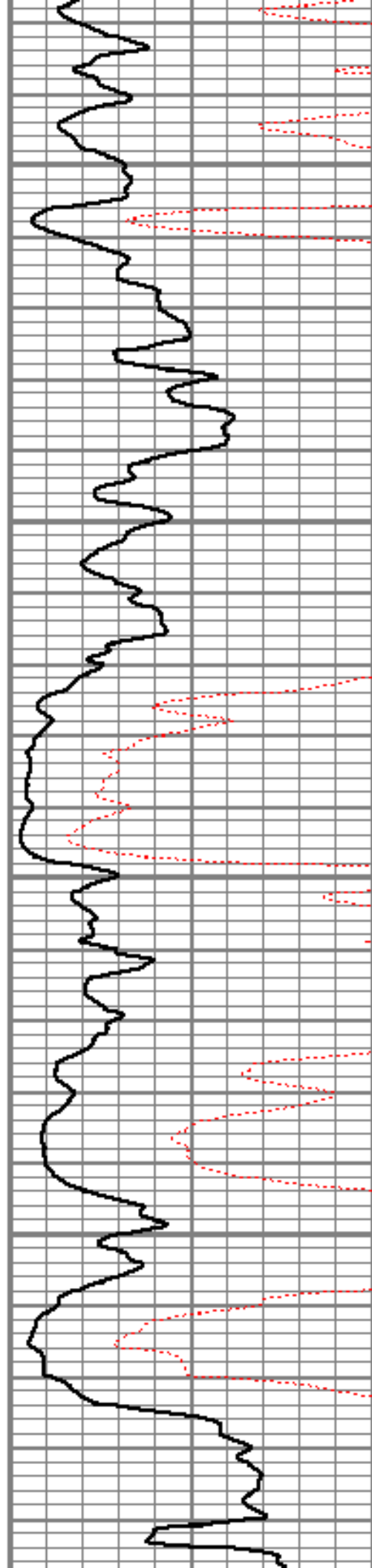


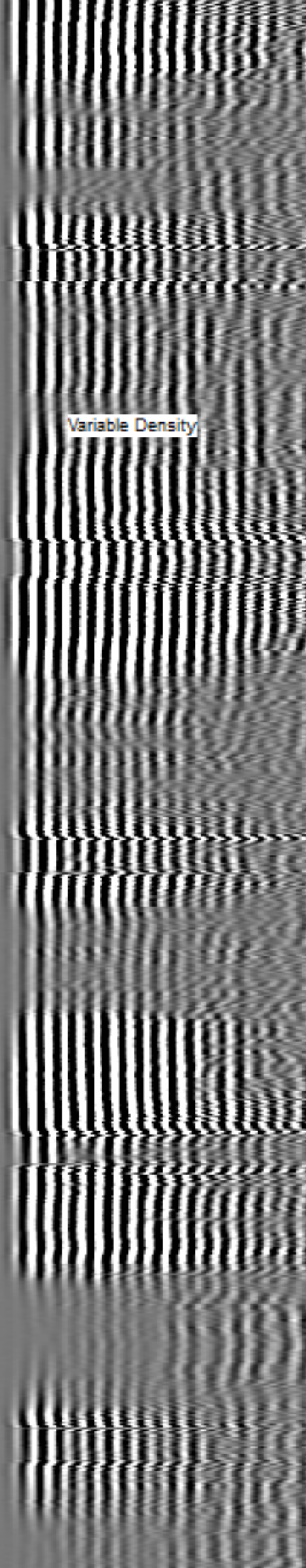
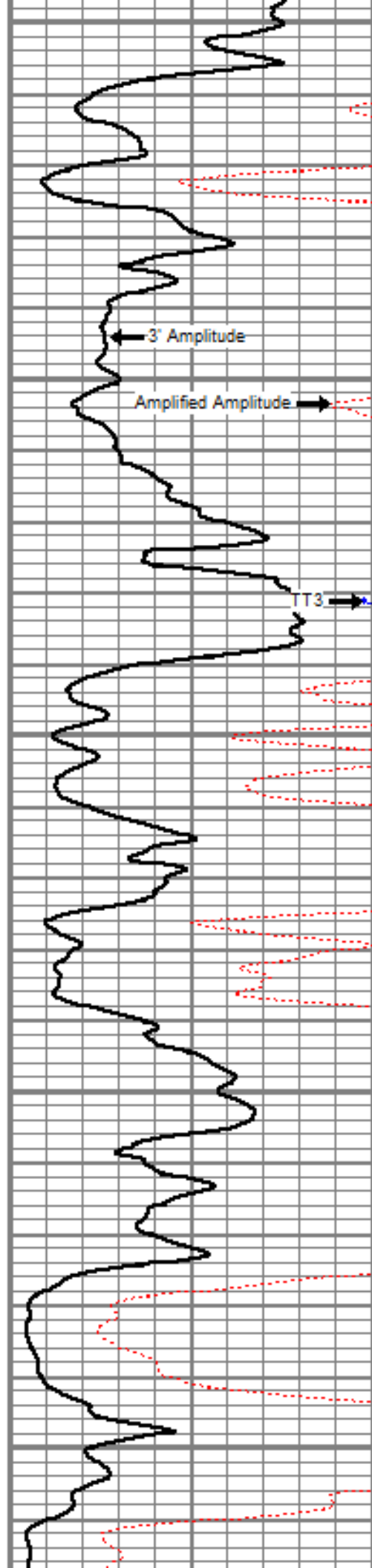
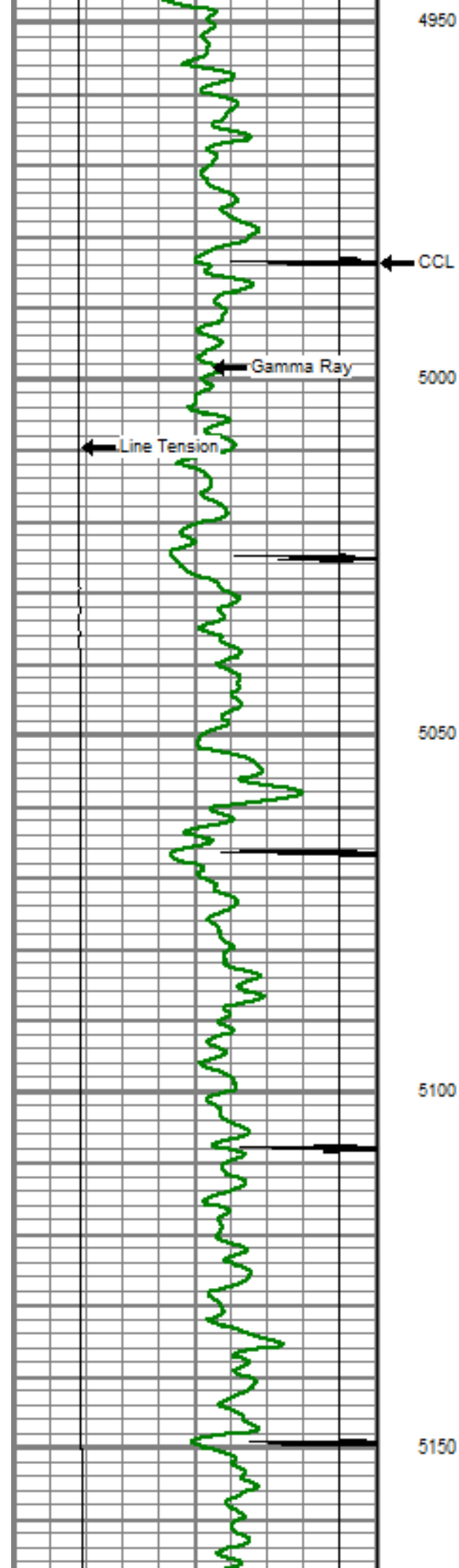
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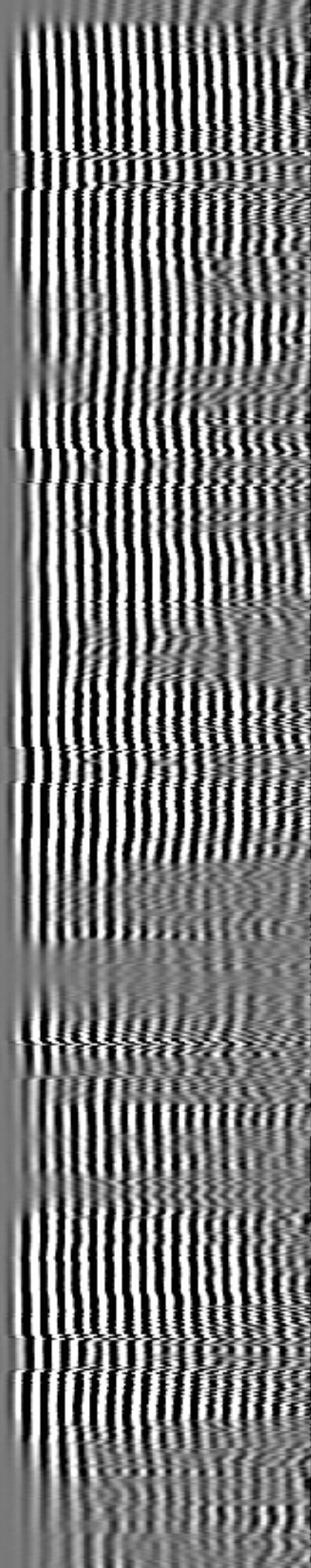
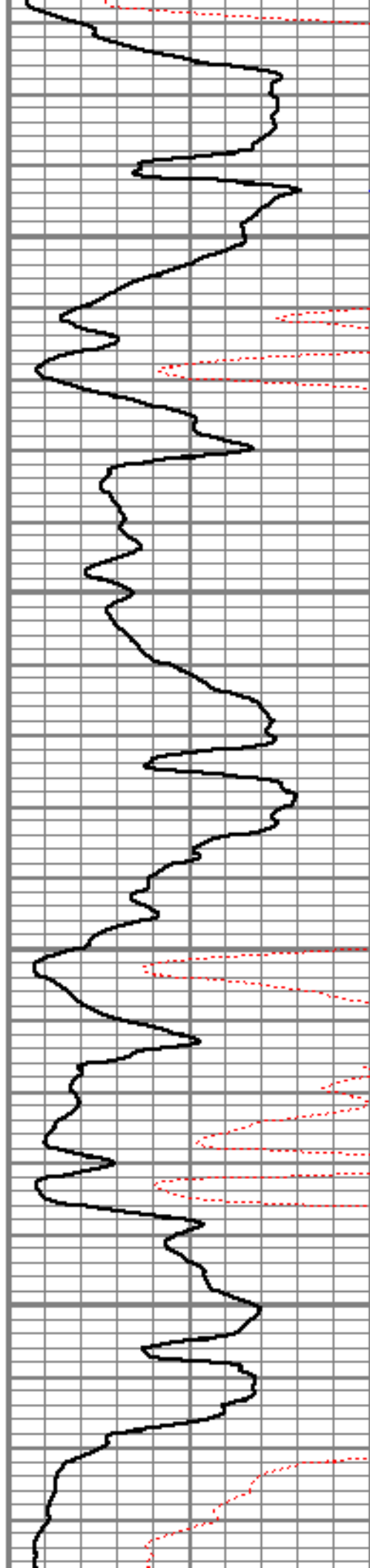


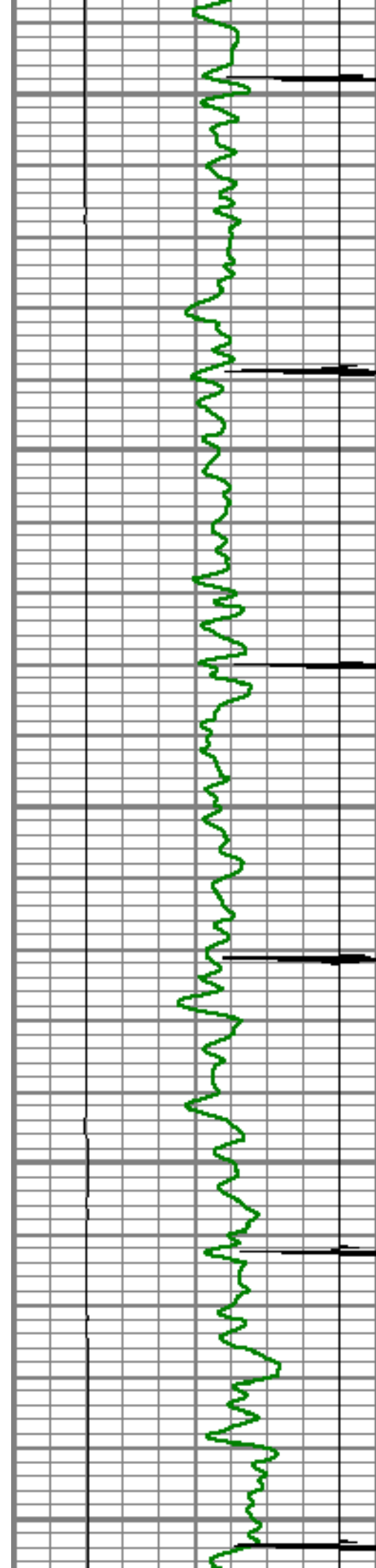
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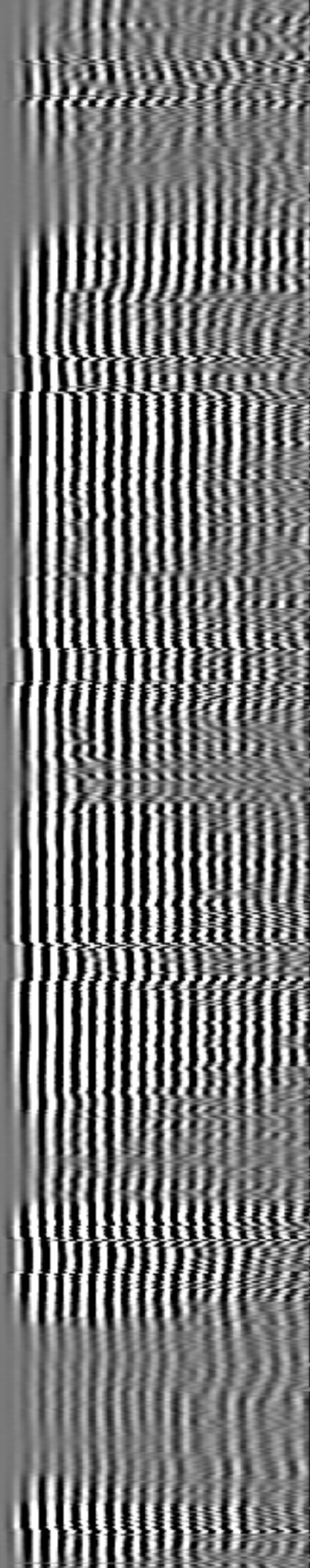
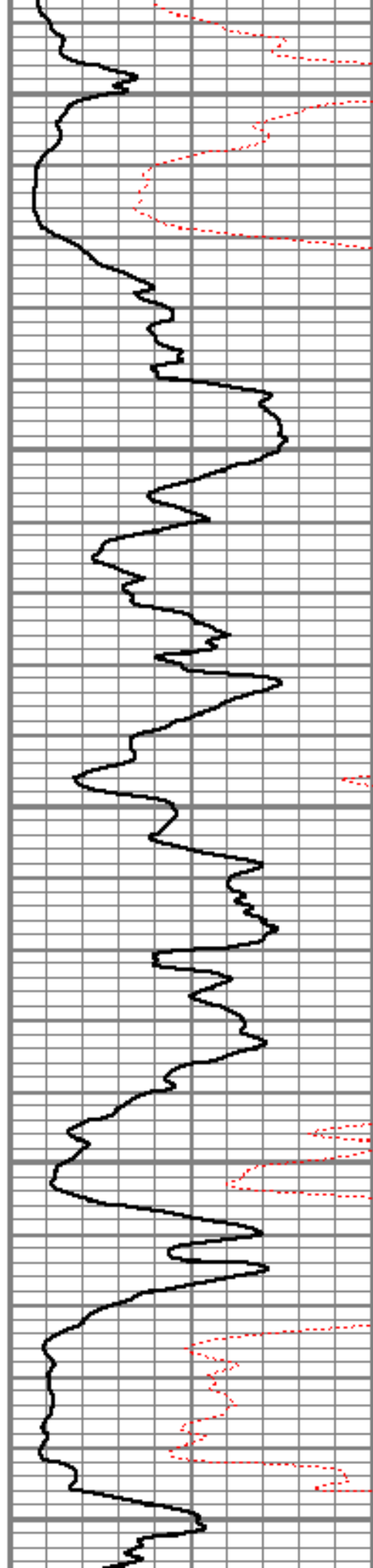
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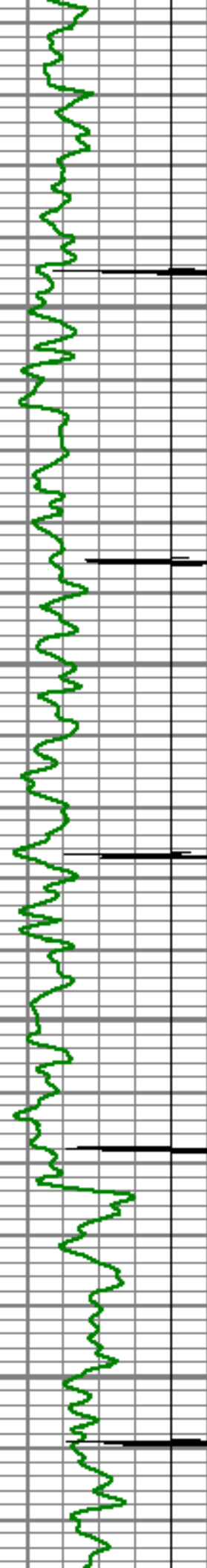
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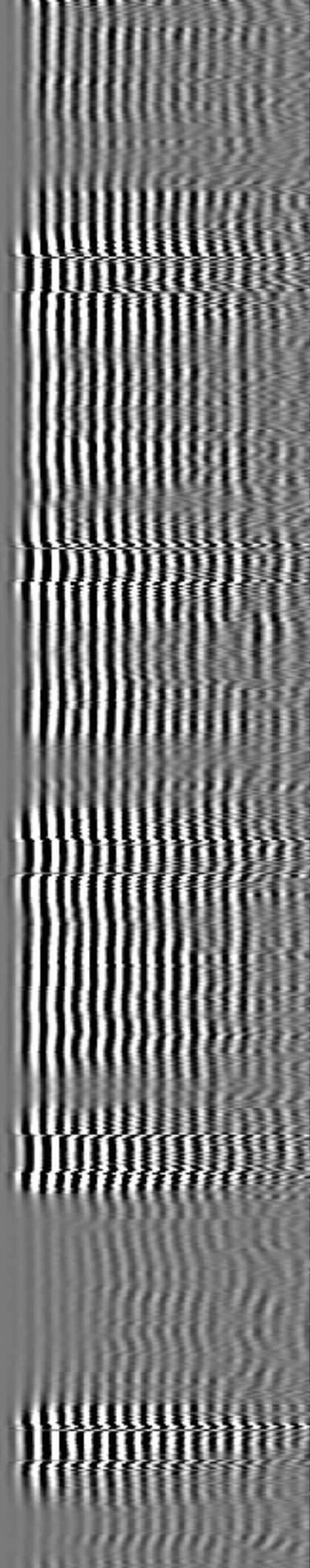
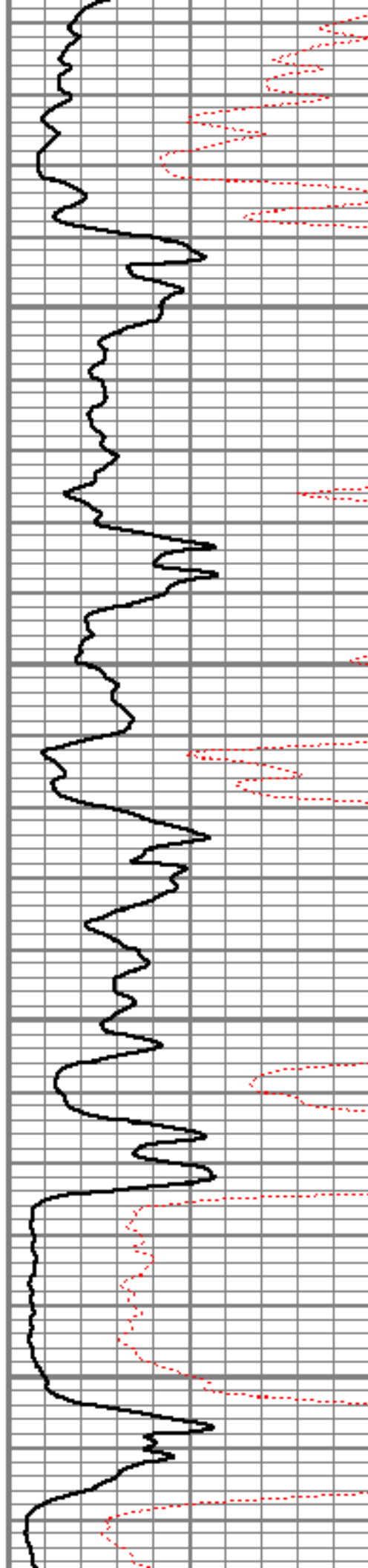


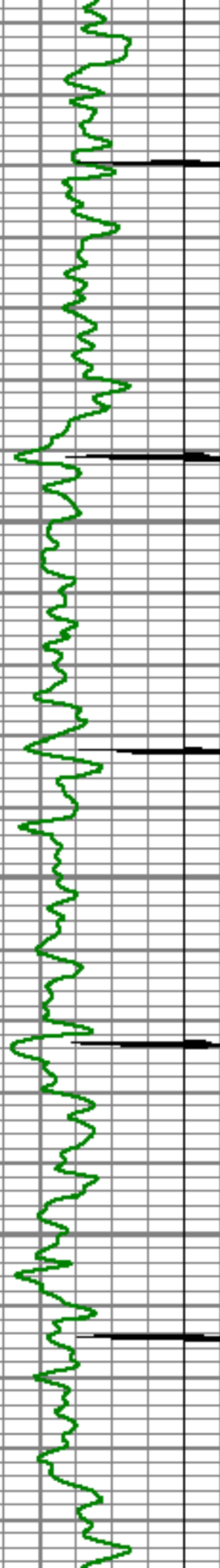
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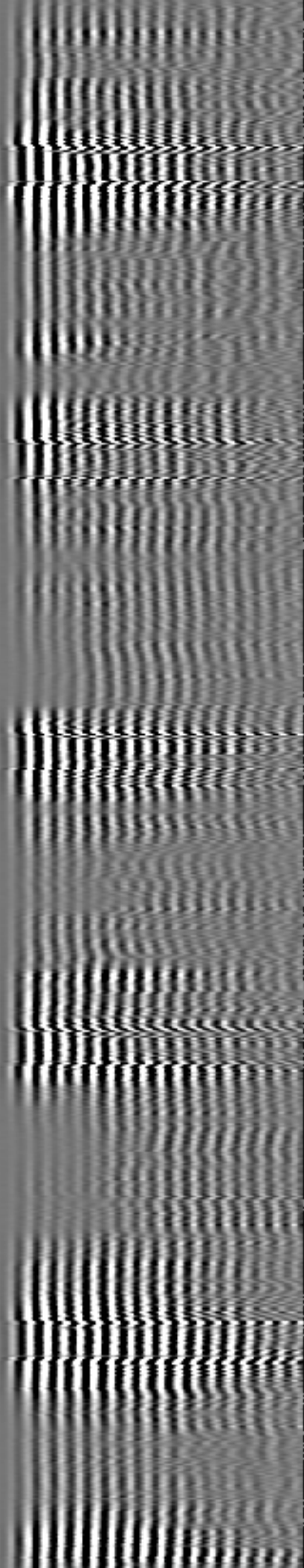
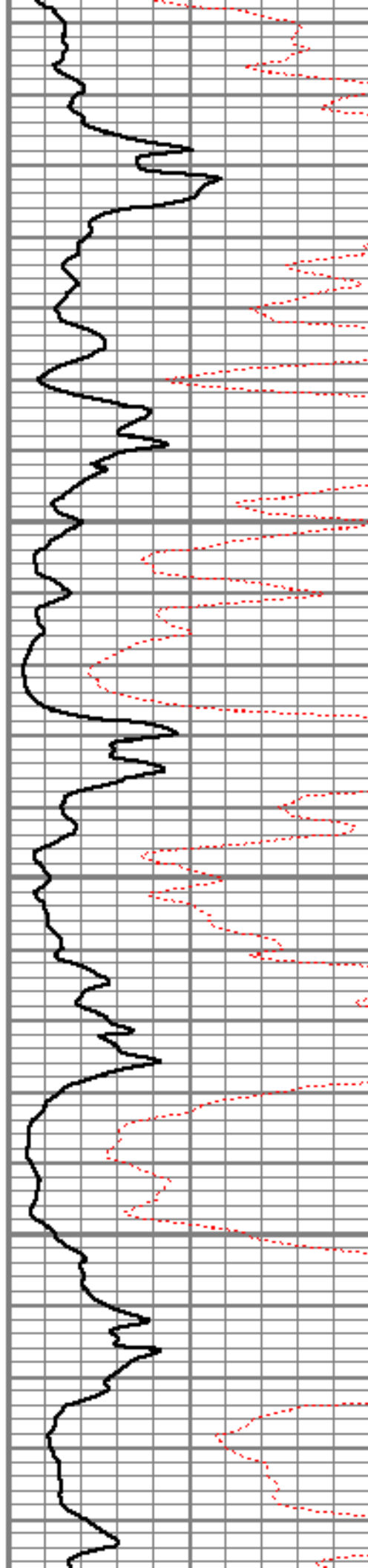


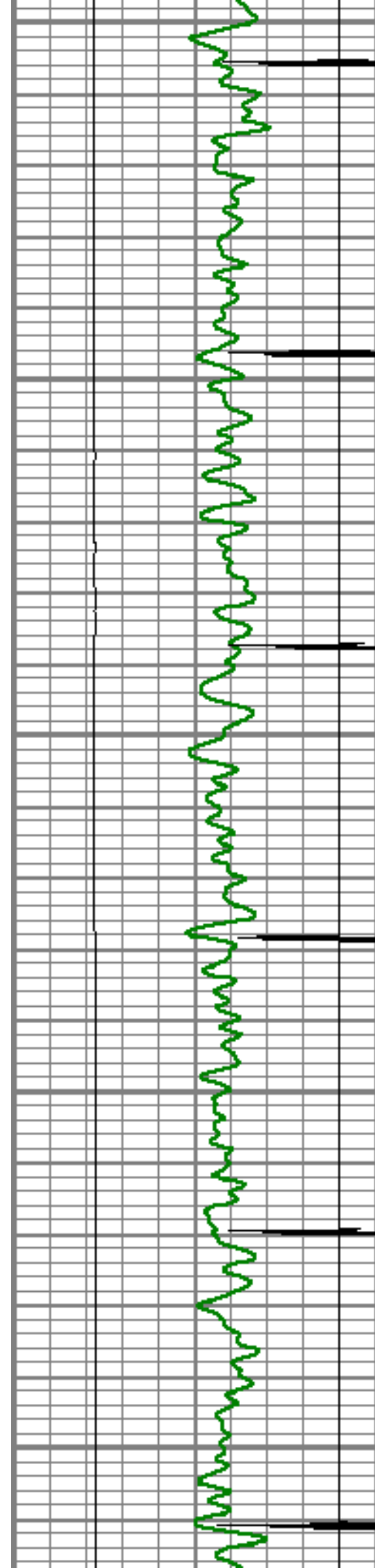
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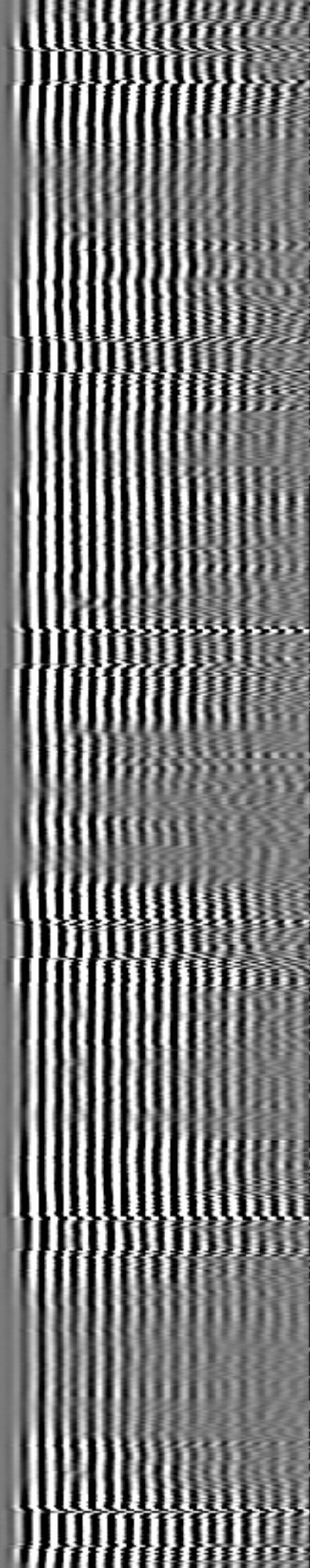
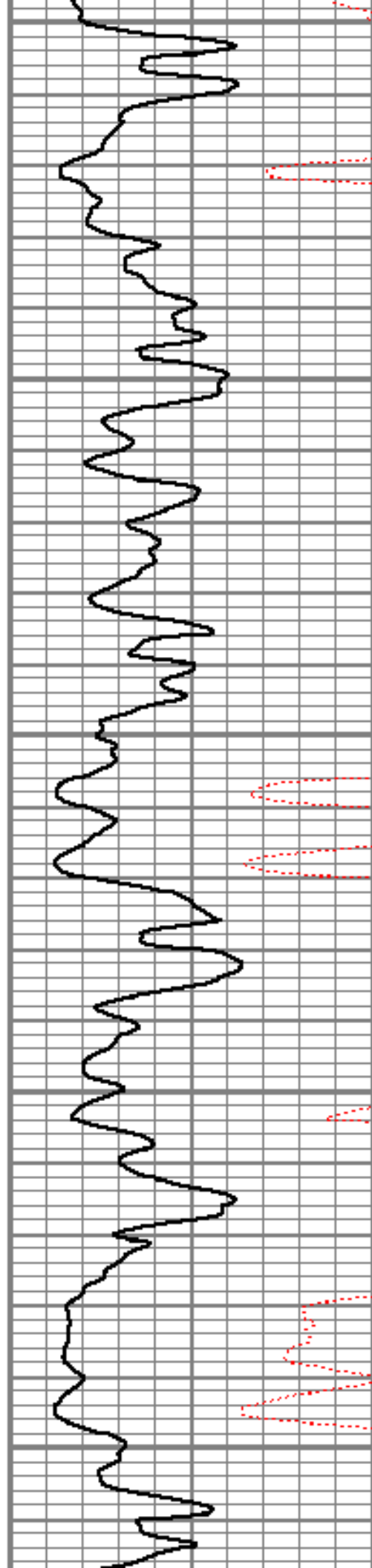
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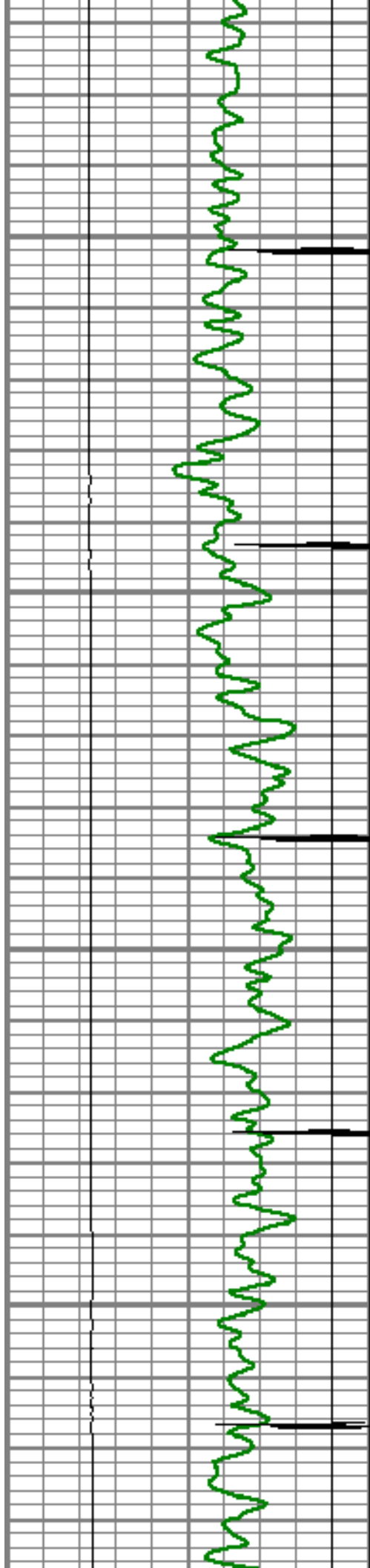
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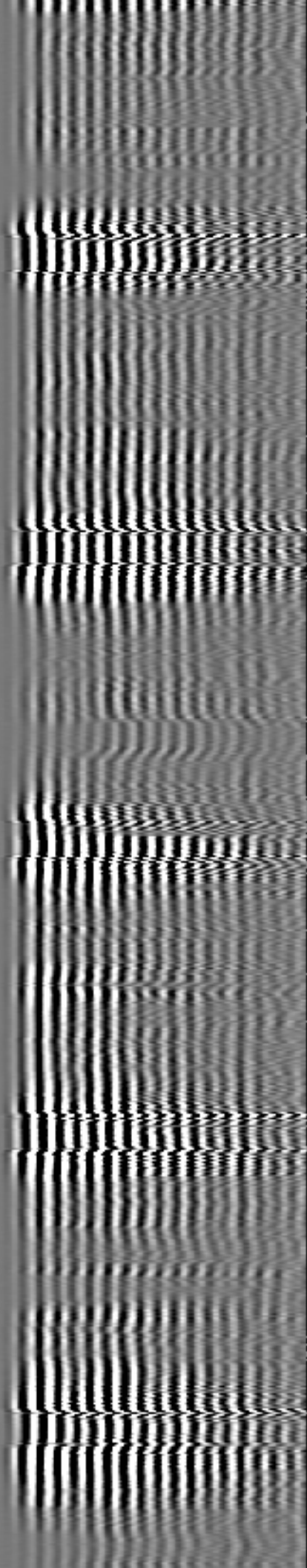
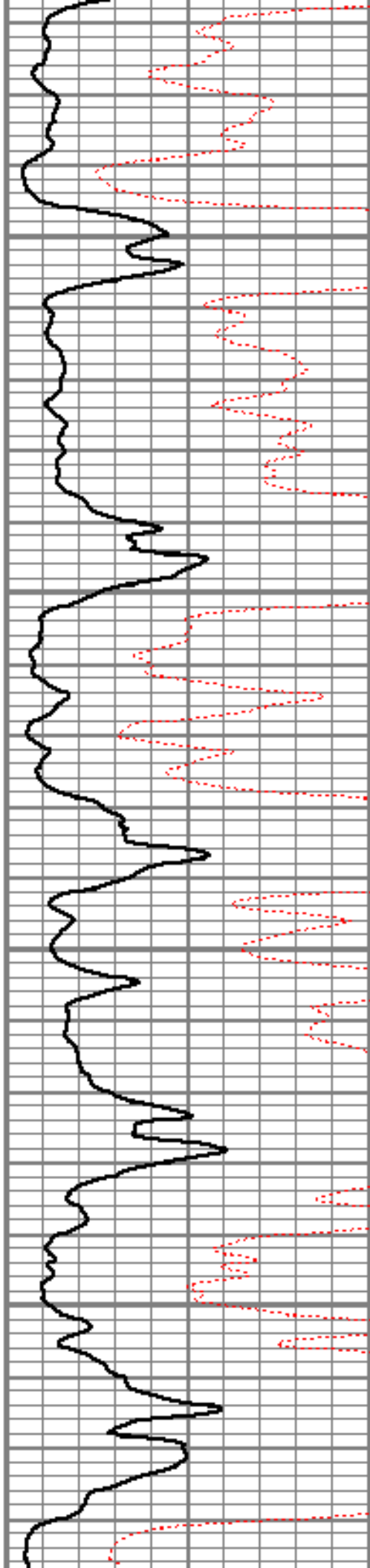


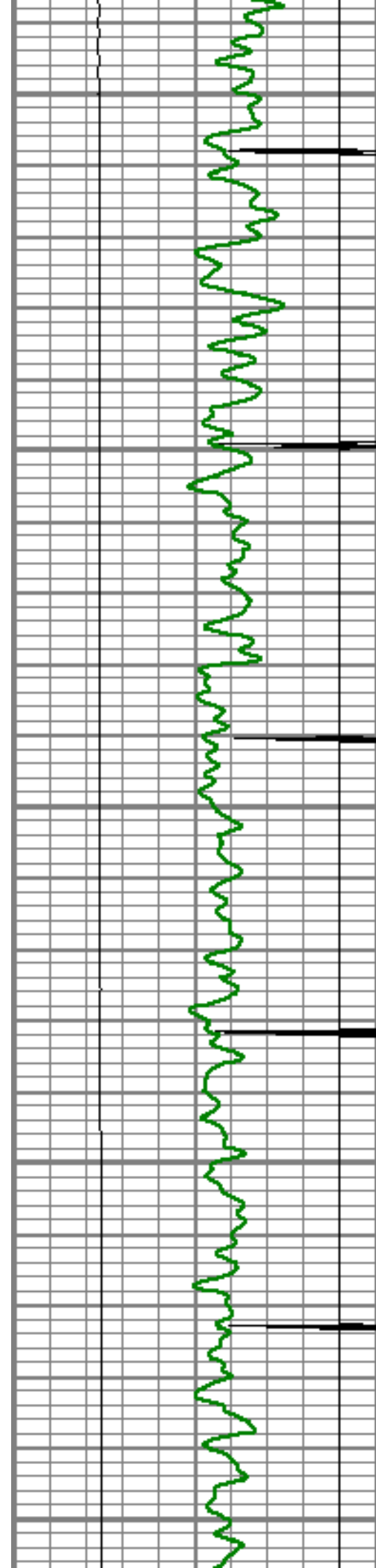
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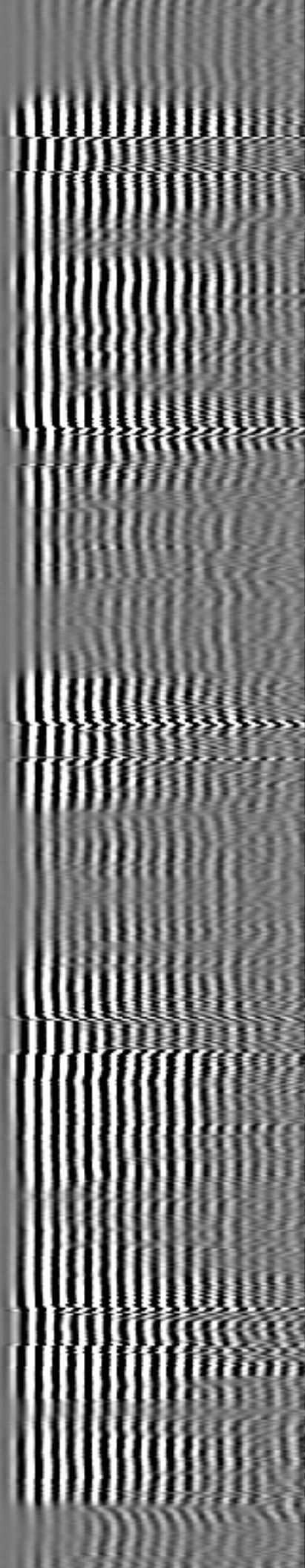
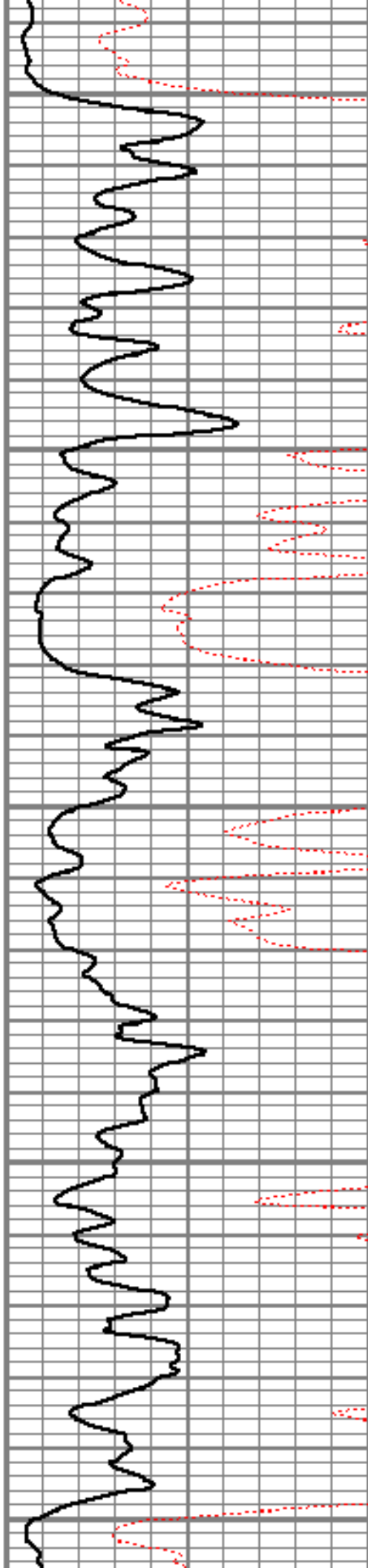
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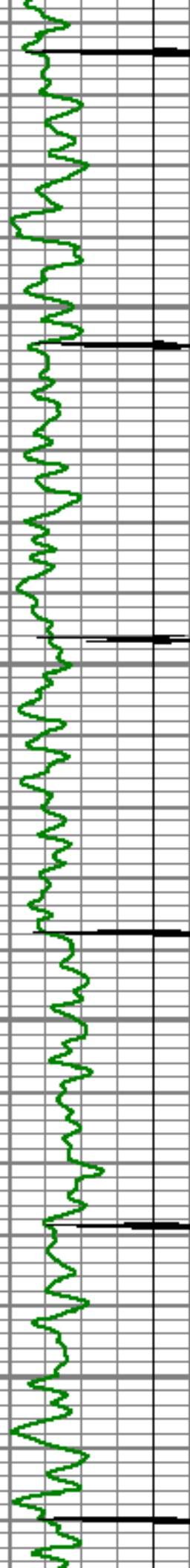
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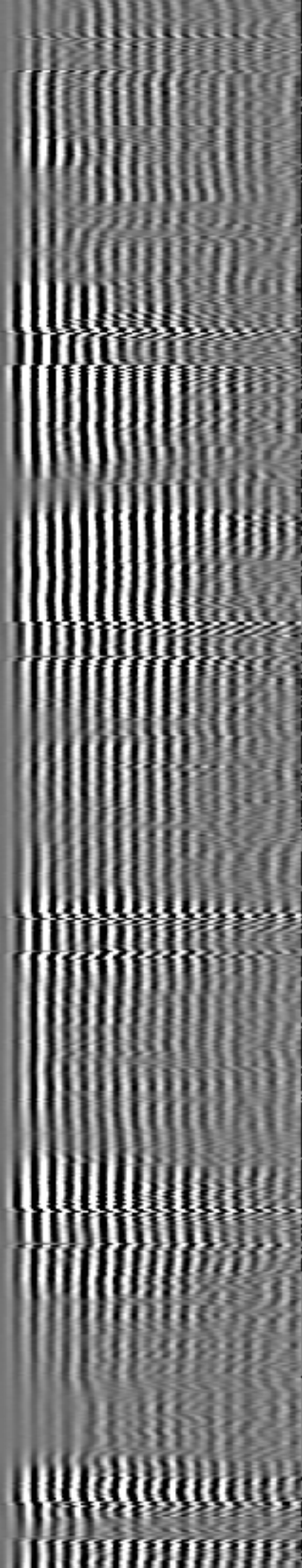
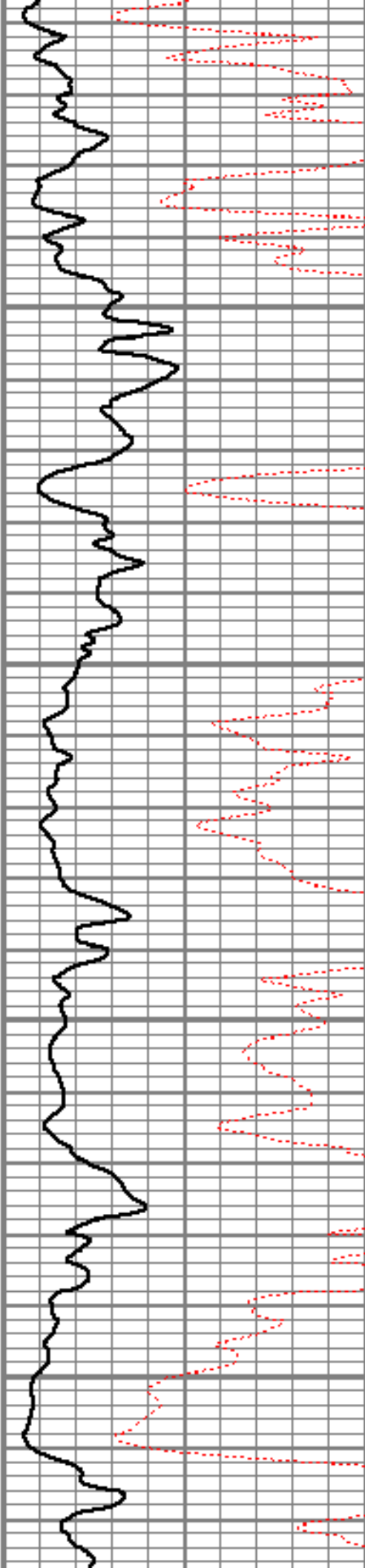


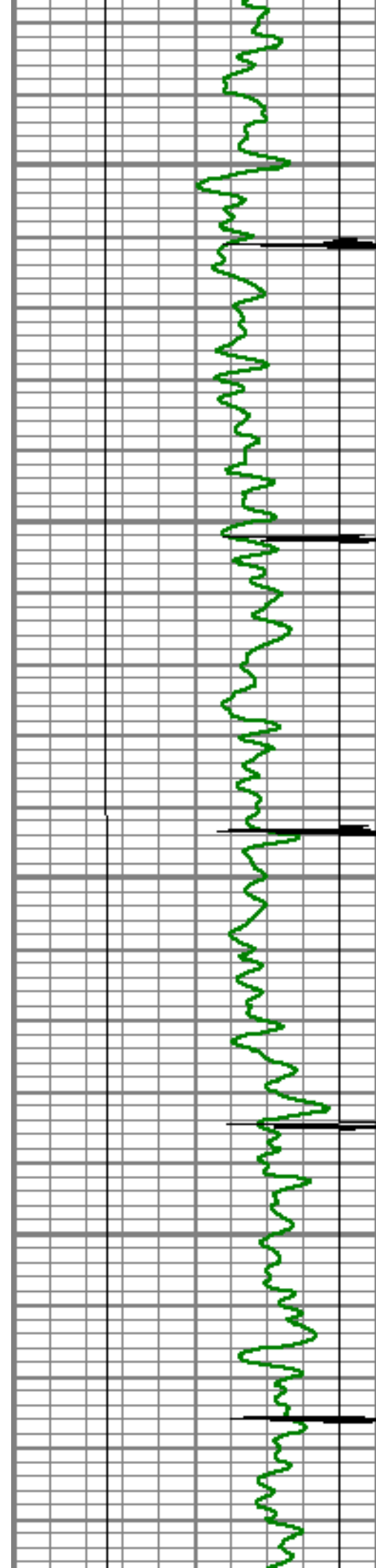
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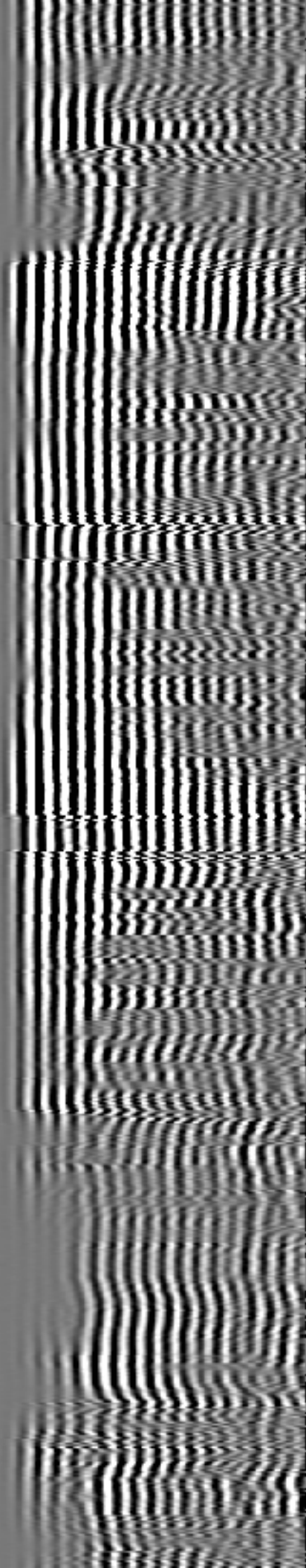
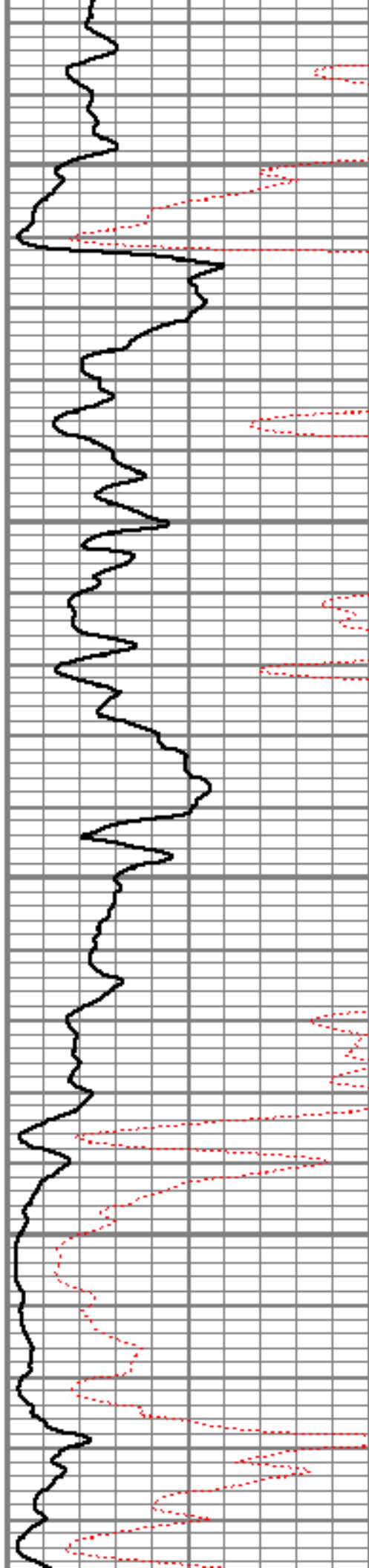


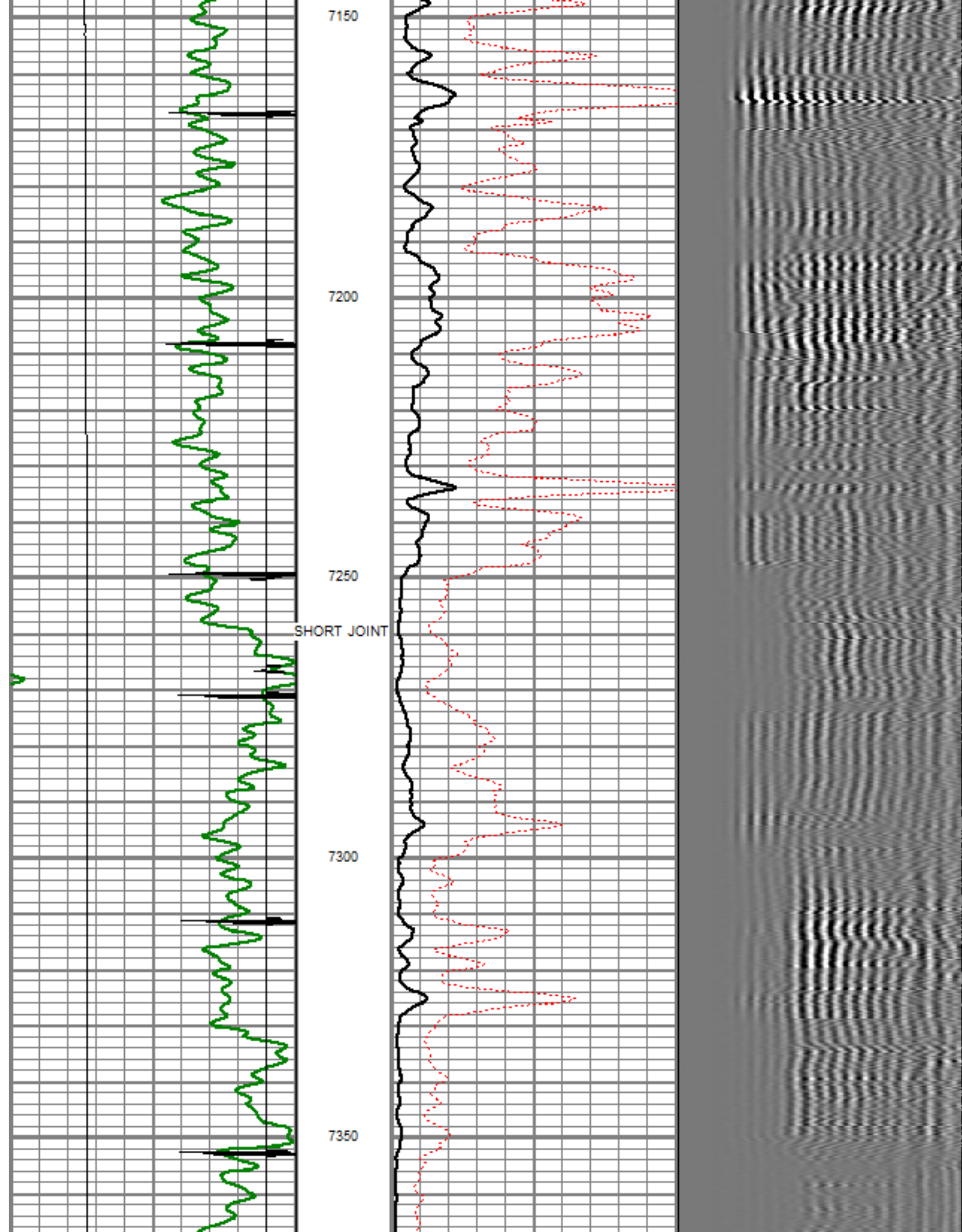
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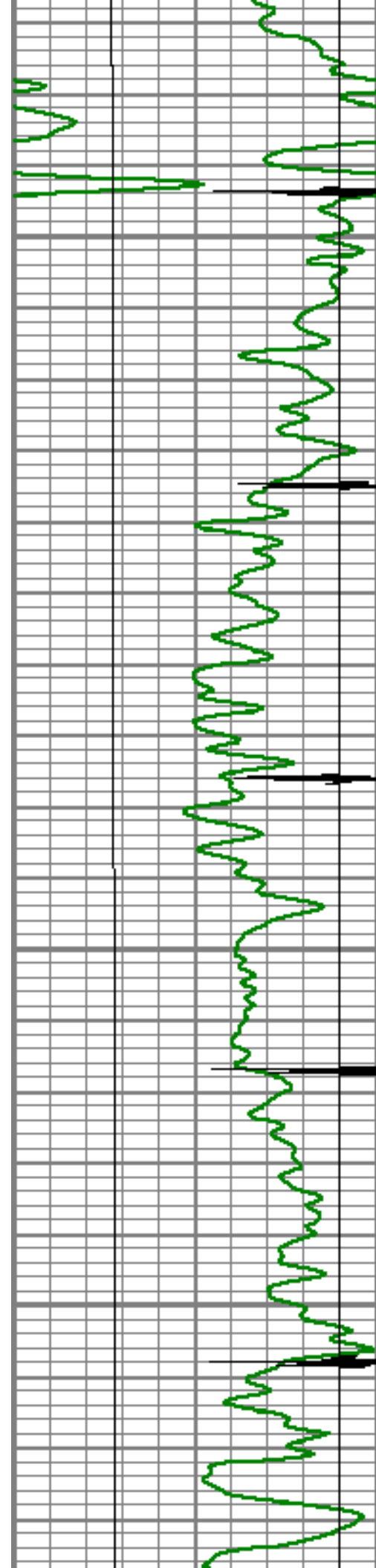
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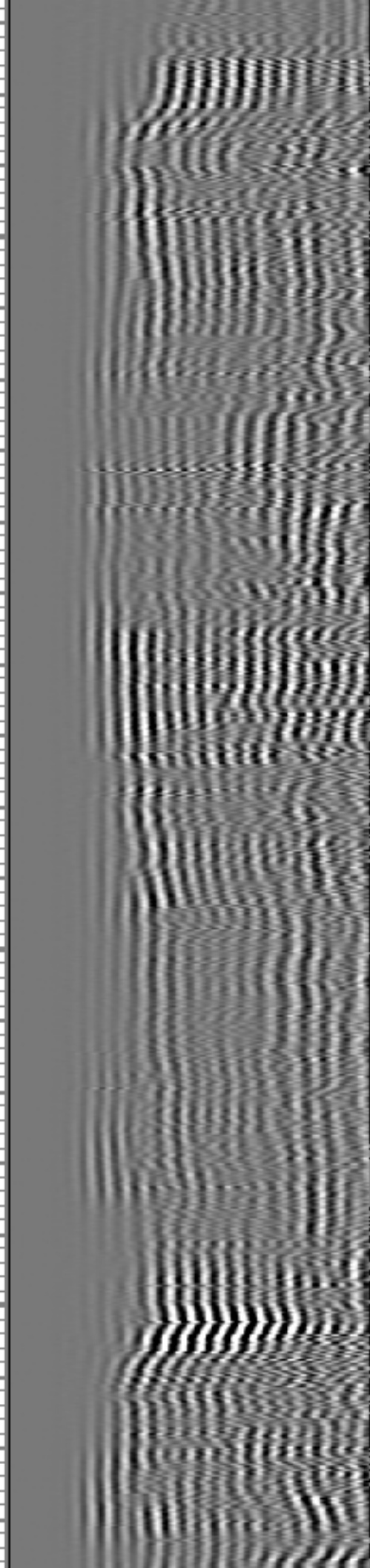
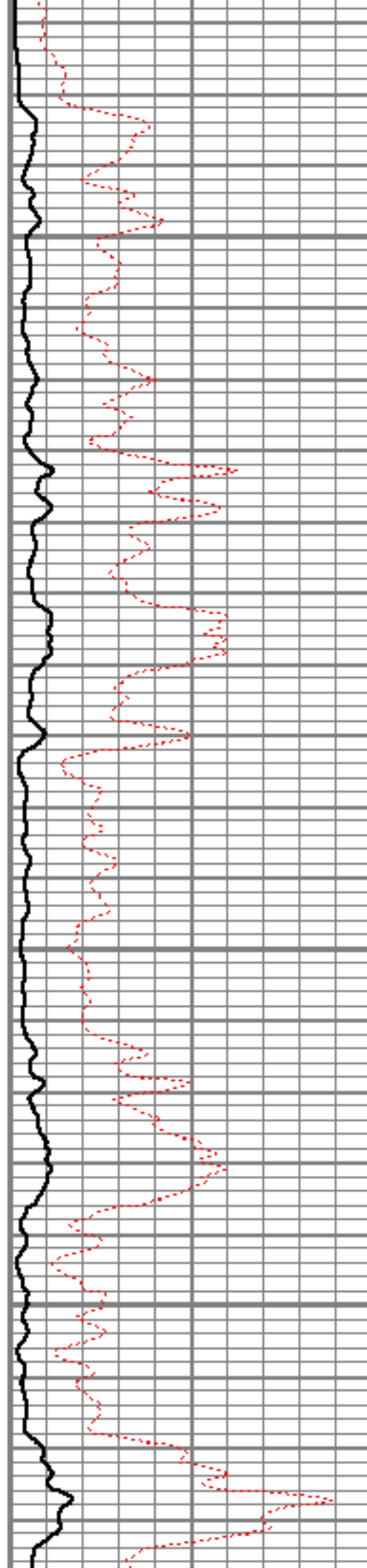


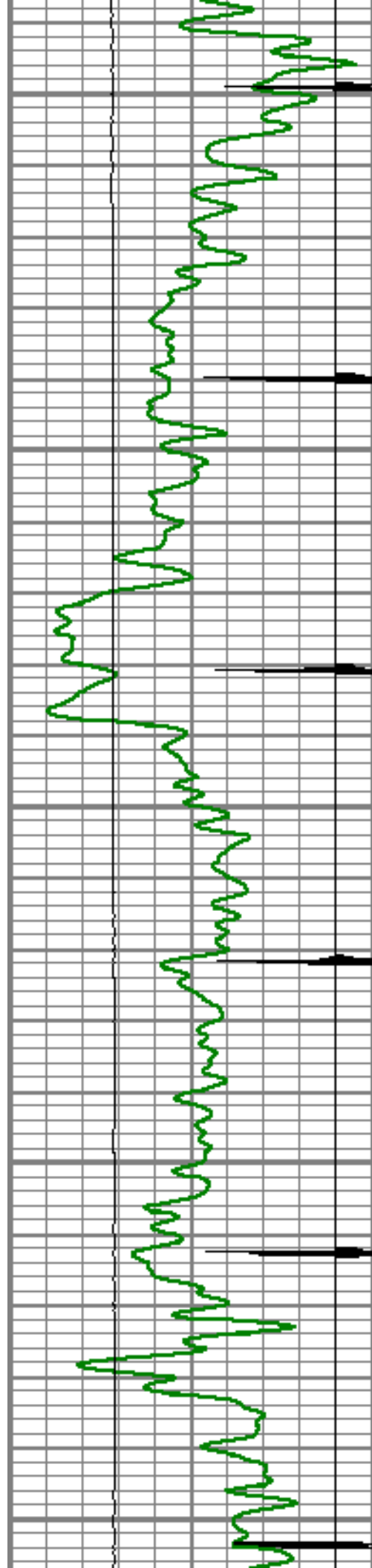
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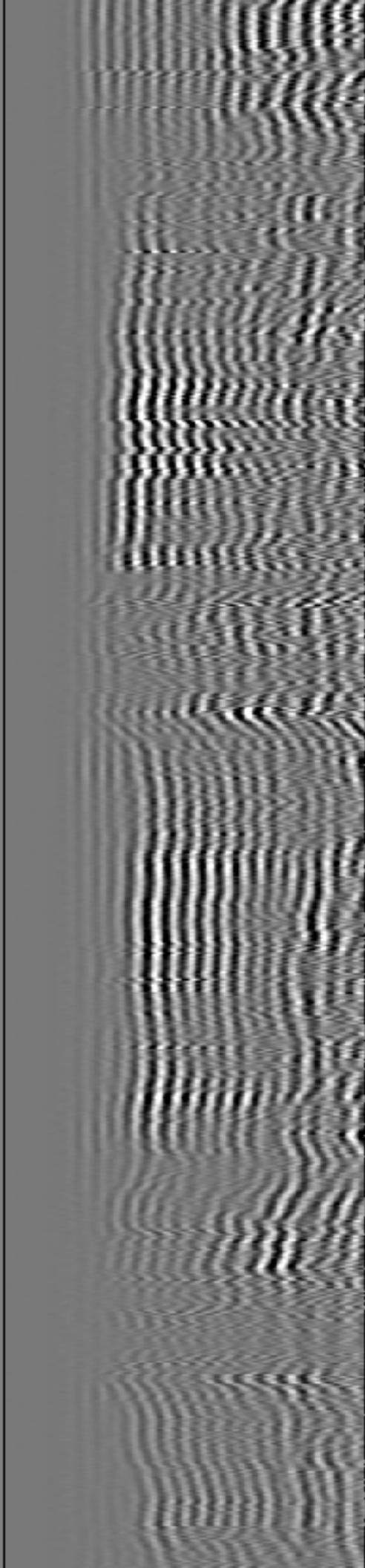
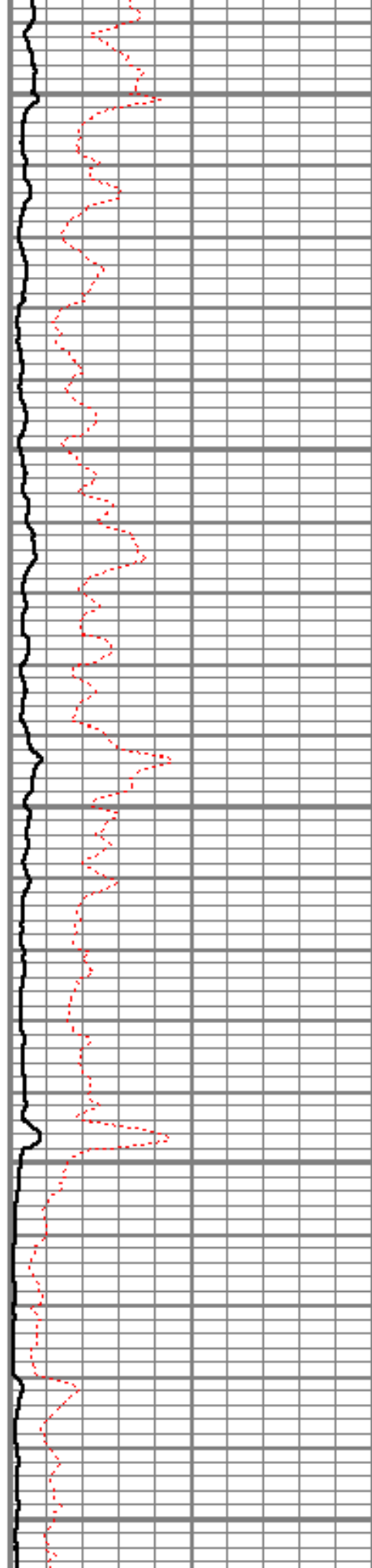
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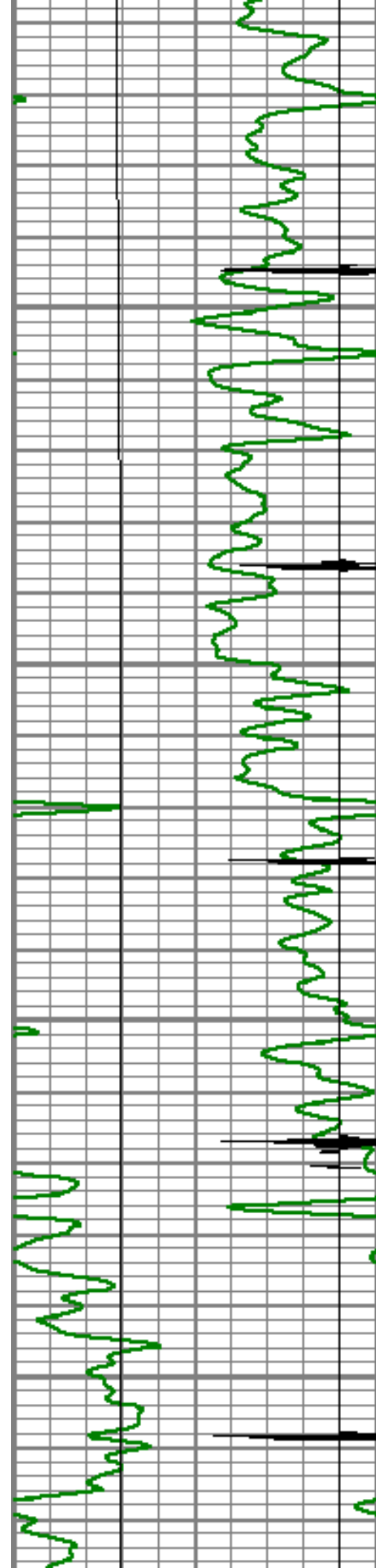
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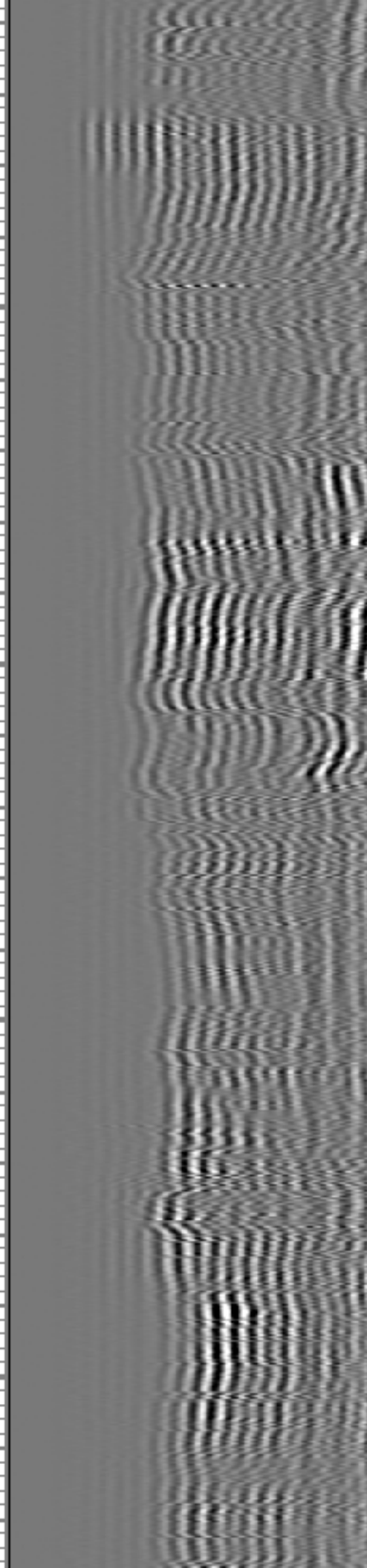
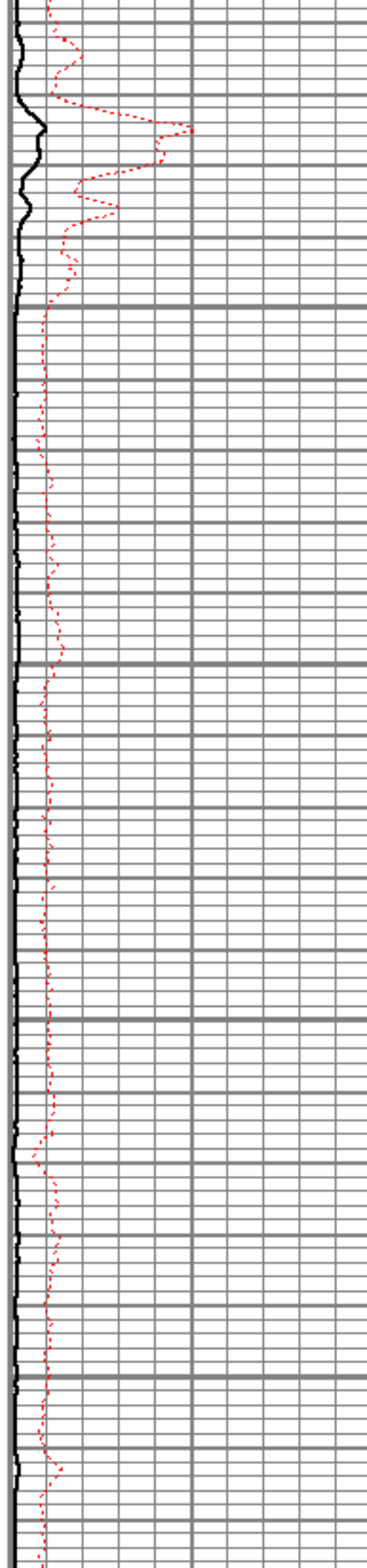


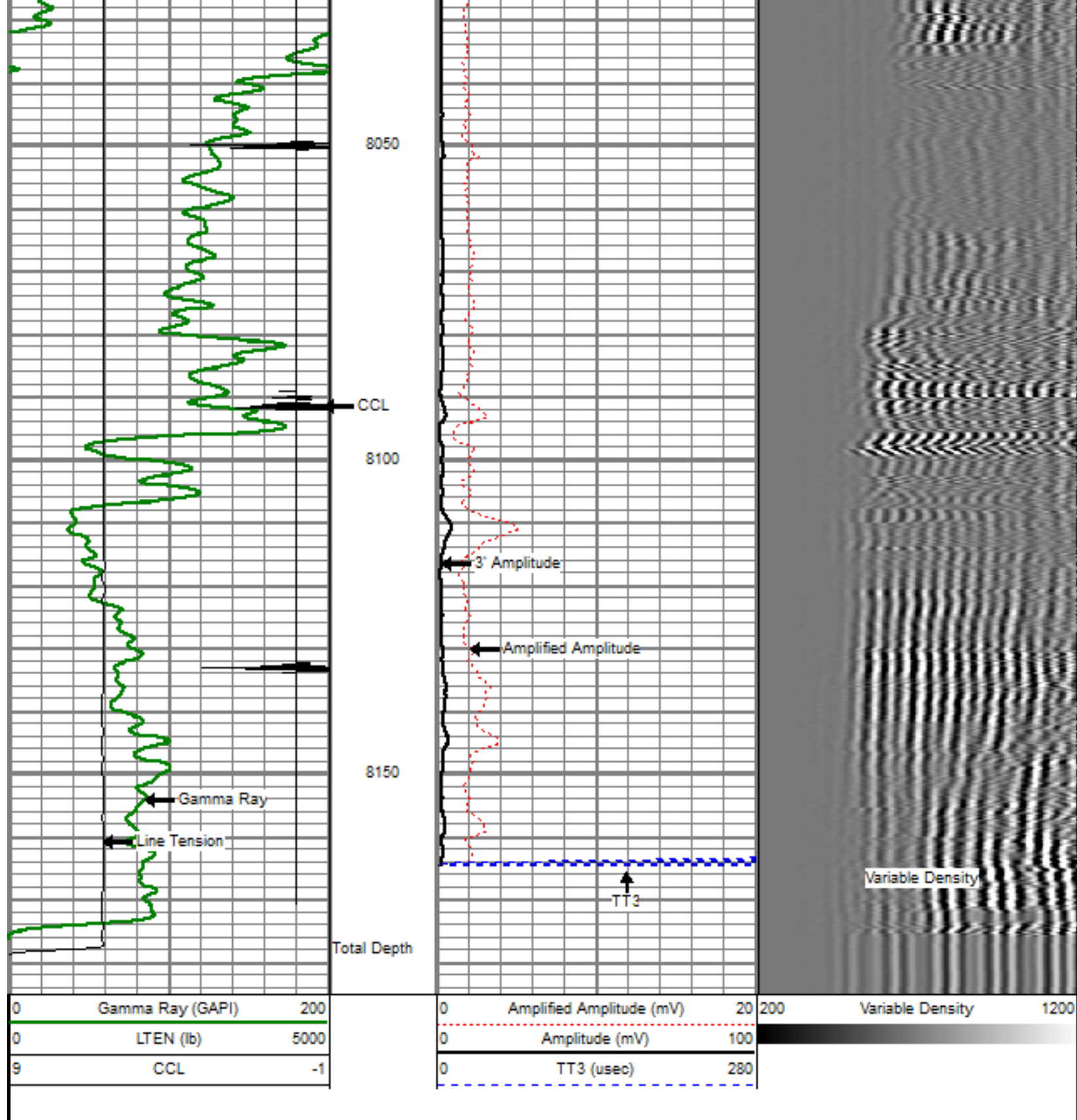
7850

7900

7950

8000





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	14.54		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	10.00
CCL	6.50		GR-PROBE_GRCL (PRB_GRCL_275_014.54) Probe 2.75" 4 Channel Pulse	2.75	30.00
GR	3.77				
			TEMP-Comprobe (TEMP_CMPRB_1375_012.88) Positive pulse Temp tool	1.38	15.00
TEMP	0.17				
Dataset: rasmussen 2-8-19.db: field/well/run1/pass3.2OH Total Length: 22.98 ft Total Weight: 126.50 lb O.D.: 2.75 in					



Company ENCANA OIL & GAS (USA) INC
 Well RASMUSSEN 2-8-19
 Field WATTENBERG
 County WELD
 State COLORADO