

# CEMENT BOND LOG



Mesa Wireline

Company ENCANA OIL & GAS (USA) INC.		Company ENCANA OIL & GAS (USA) INC.	
Well	FILE 41-17	Well	FILE 41-17
Field	WATTENBERG	Field	WATTENBERG
County	WELD	County	WELD
State	COLORADO	State	COLORADO
Location:		API #: 05-123-34127-0000	
SHL: 1072' FNL & 1707' FEL BHL: 660' FNL & 510' FEL SEC: 17 TWP: 2N RGE: 68W		Other Services	
Permanent Datum GROUND LEVEL Elevation 4882'		NONE	
Log Measured From KELLY BUSHING = 13'		Elevation	
Drilling Measured From KELLY BUSHING		K.B. 4895' D.F. 4896' G.L. 4882'	

Date	12 APRIL 2012
Run Number	ONE
Depth Driller	8185'
Depth Logger	7958'
Bottom Logged Interval	7958'
Top Log Interval	2600'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.34 LBS/GAL
Max. Recorded Temp.	254 DegF
Estimated Cement Top	3080'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	10801W / PB01
Location	AULT. CO
Recorded By	B. MAYNARICH
Witnessed By	K. REDD

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0	1030'	N/A			
TWO	7.875"	0	8185'				

Casing Record			
Surface String	Size	Wgt/Ft	Top
	8.625"	24#	0
Production String			
String	Size	Wgt/Ft	Bottom
	4.5"	11.6#	0
Liner			8170'

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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 12 MARCH 2012.

SHORT JOINT: 7118' - 7139'

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



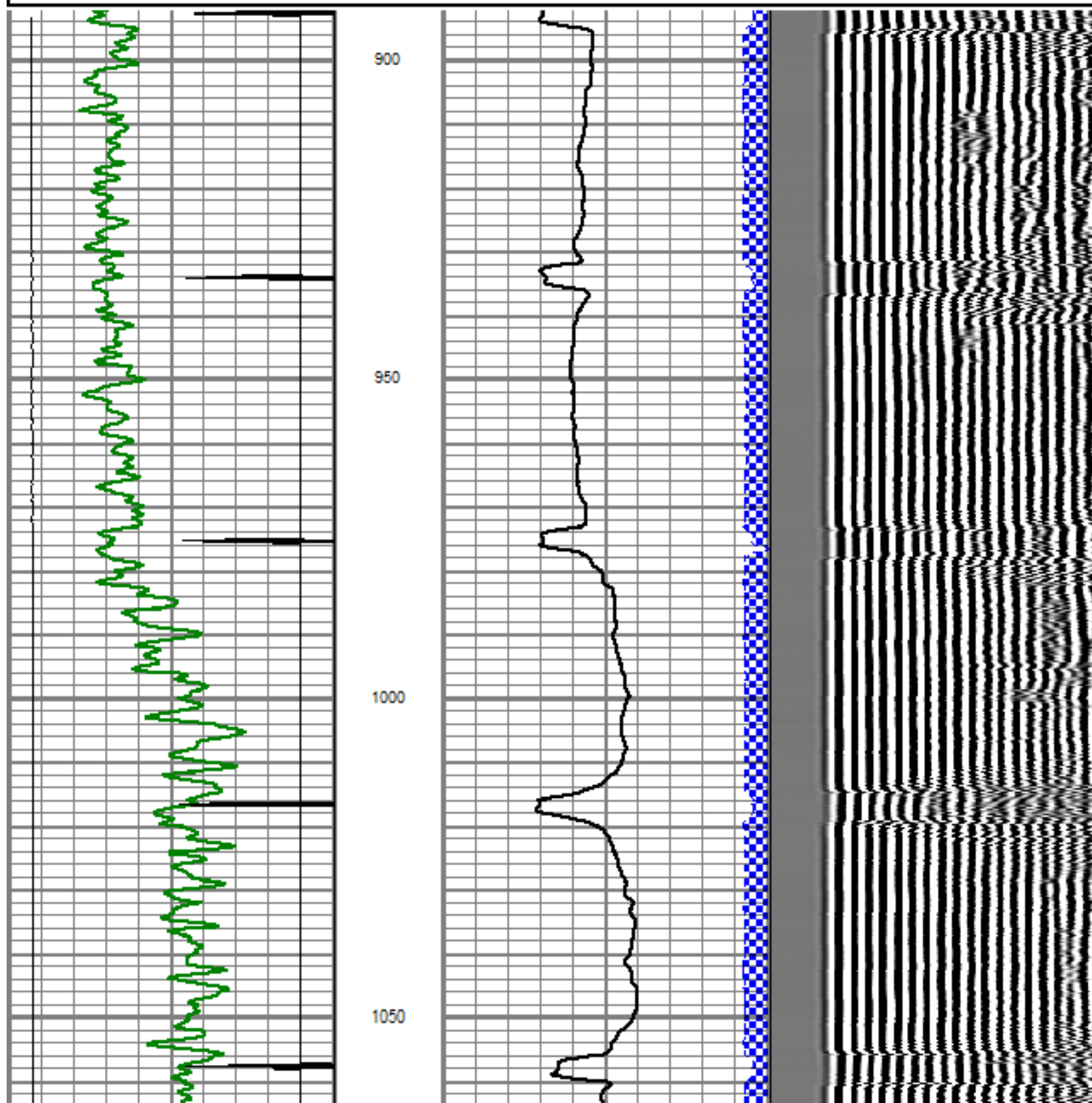
## SURFACE CASING PASS

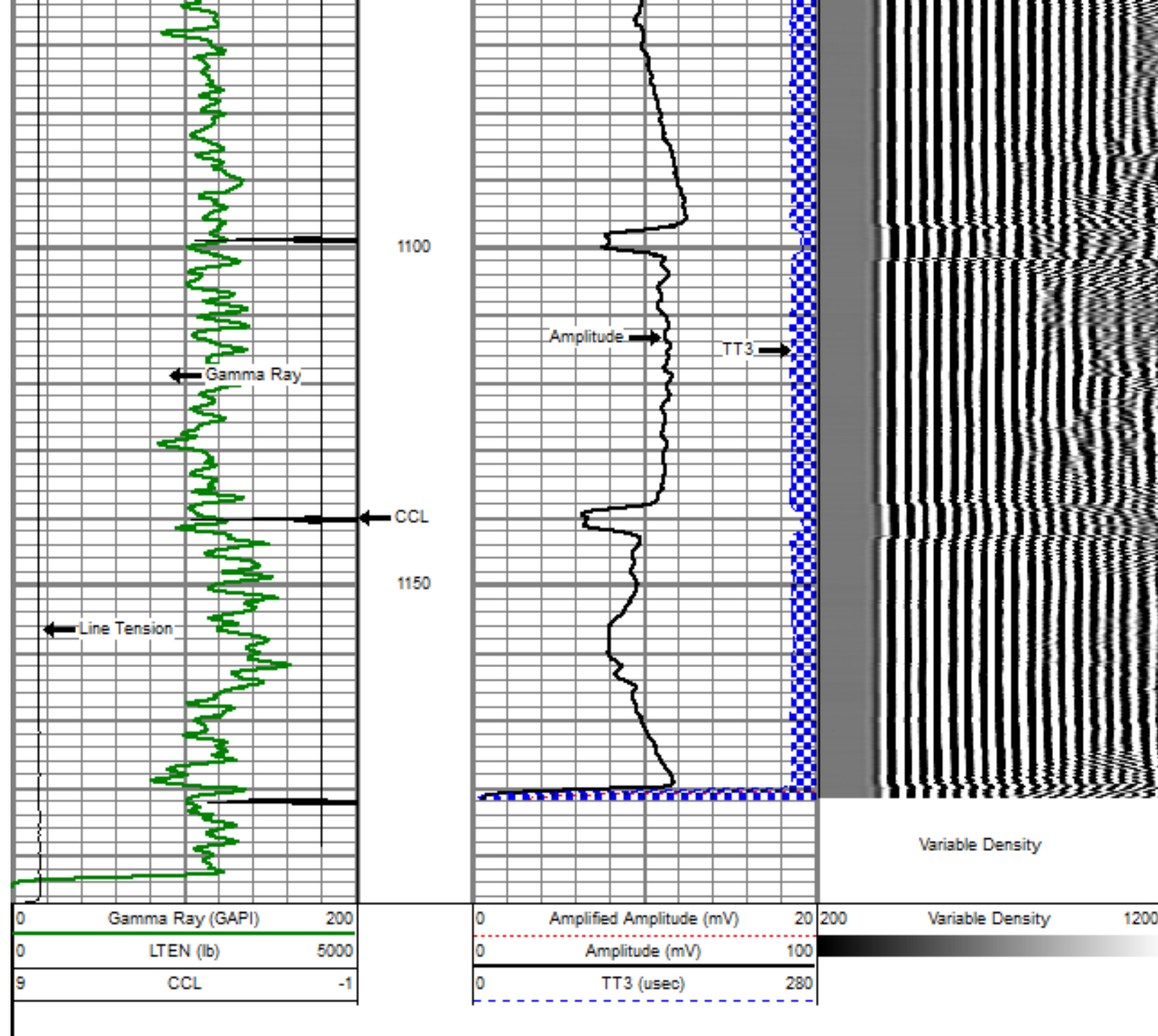
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Dataset Creation: Thu Apr 12 13:39:11 2012 by Log Std Casedhole 09081  
Charted by: Depth in Feet scaled 1:240

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





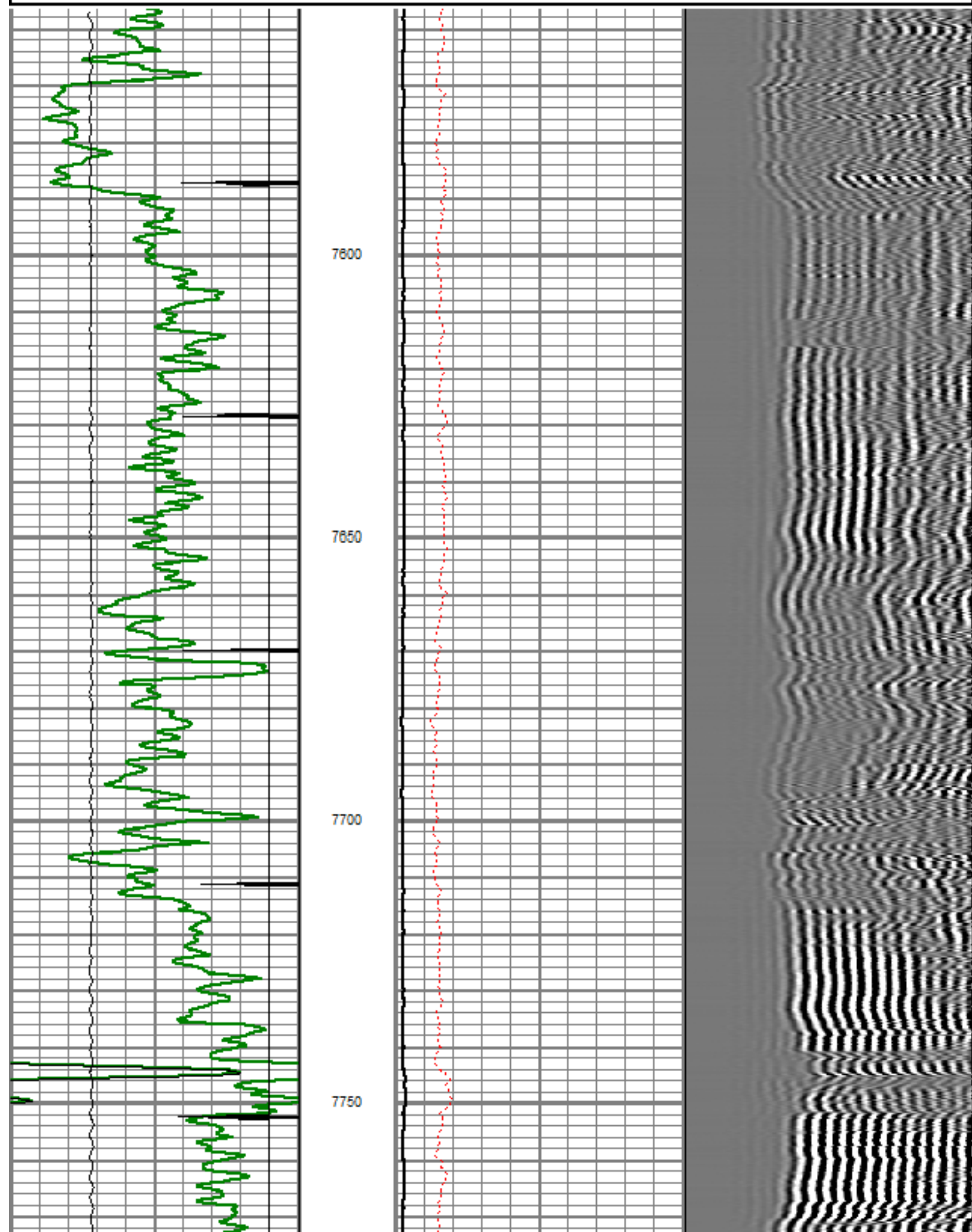
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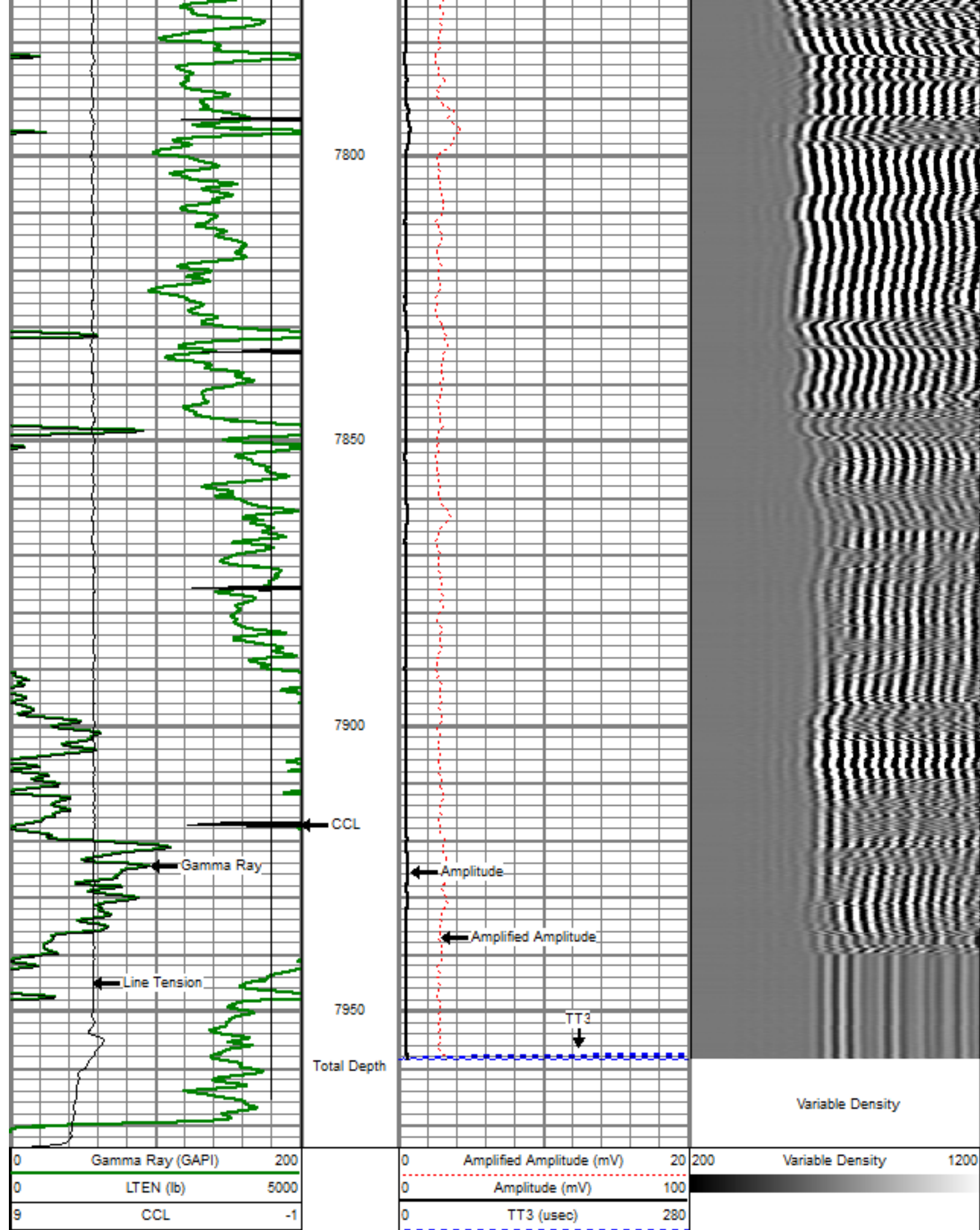
5" = 100'

Database File: file 41-17pt2.db  
 Dataset Pathname: pass2  
 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			









# MAIN PASS

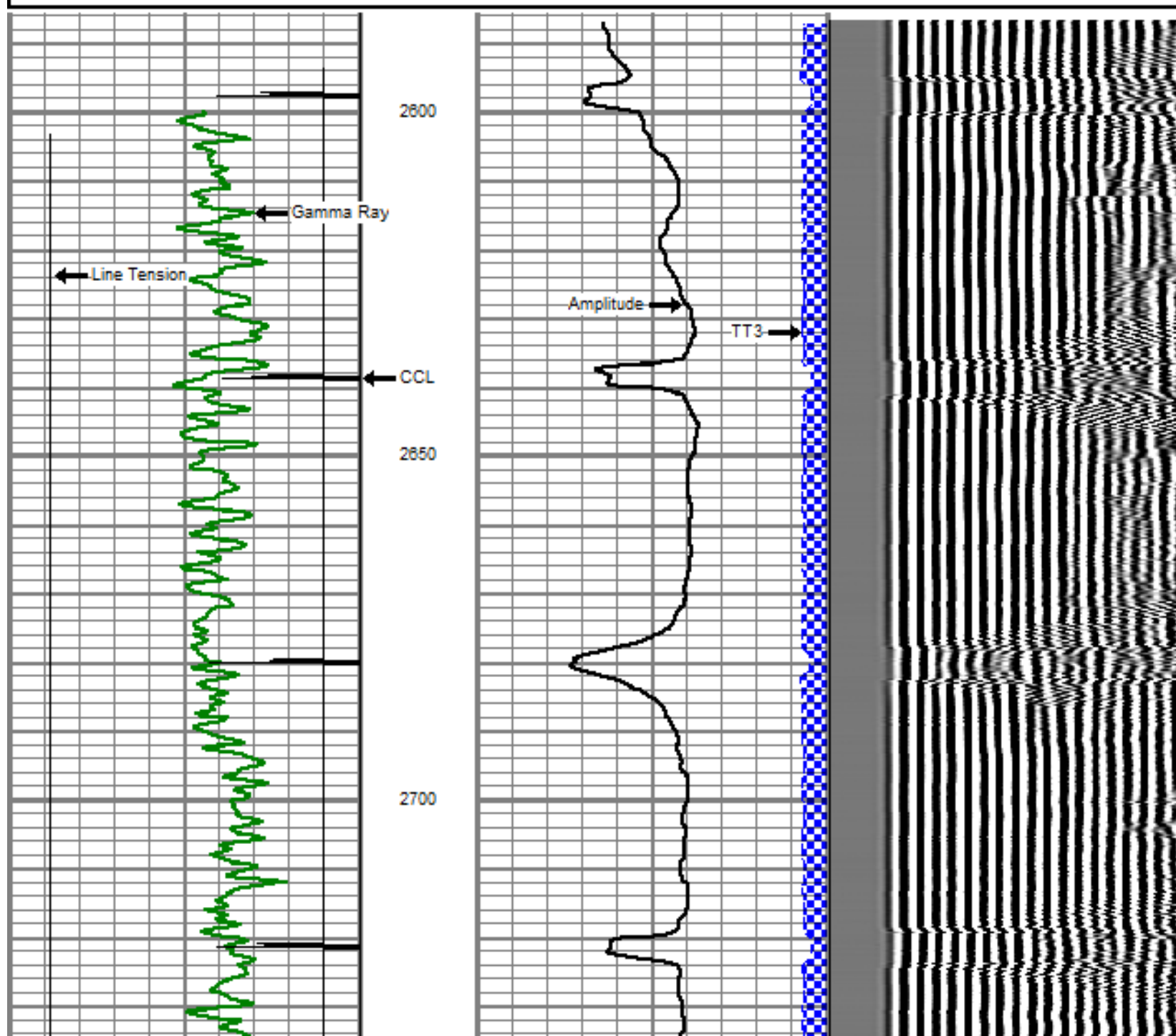
5" = 100'

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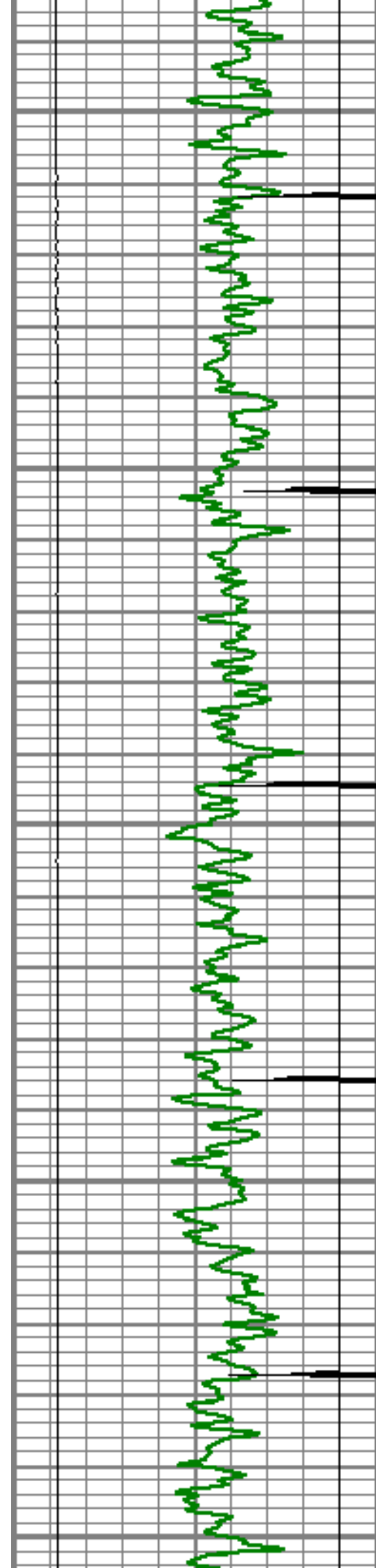
0	Gamma Ray (GAPI)	200
0	LTEN (lb)	5000
9	CCL	-1

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

200 Variable Density 1200







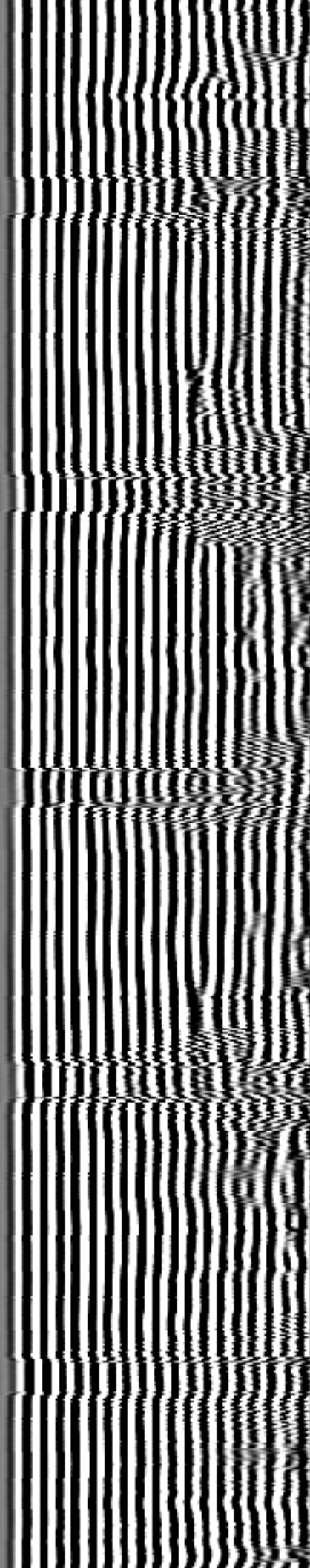
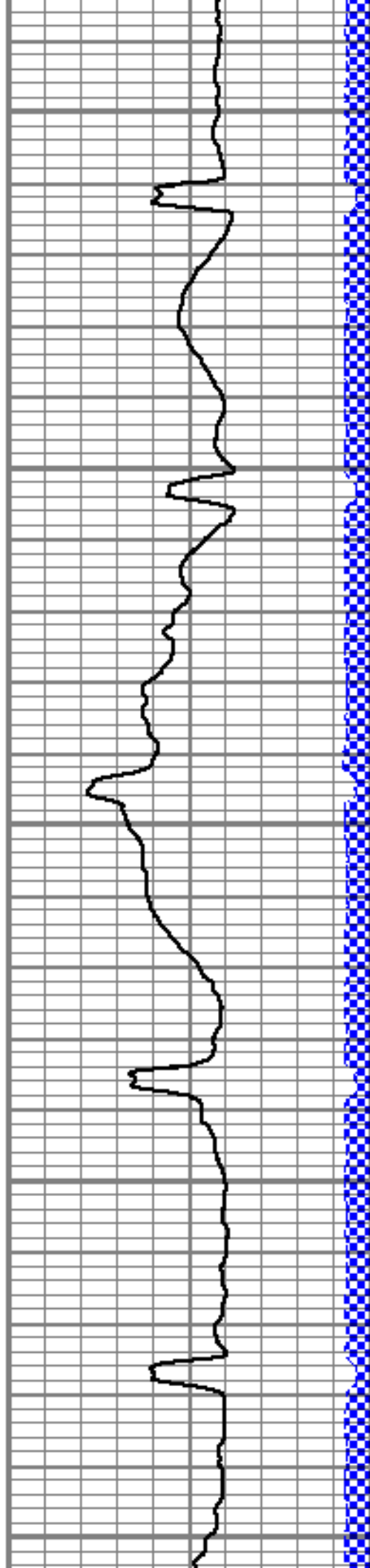
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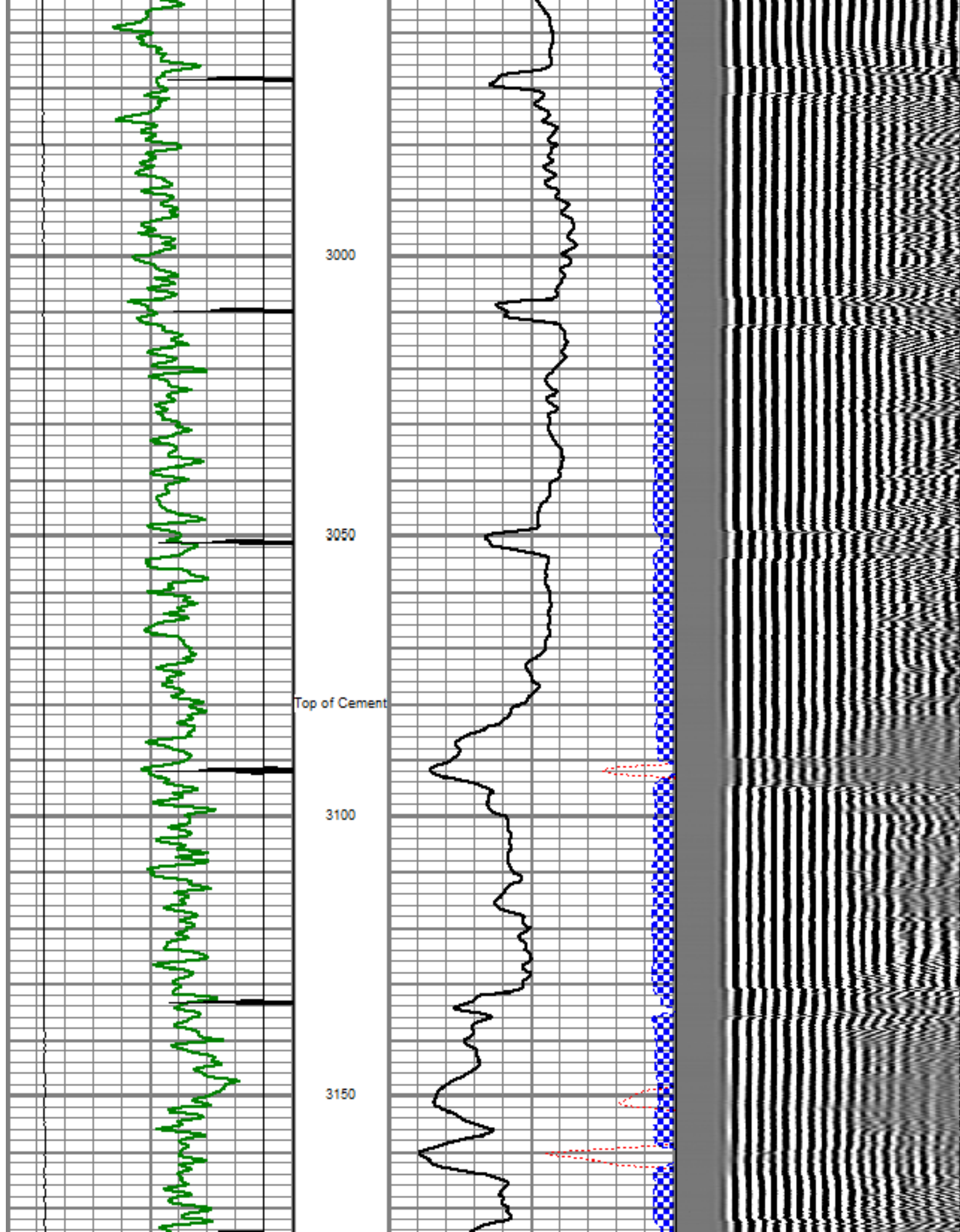
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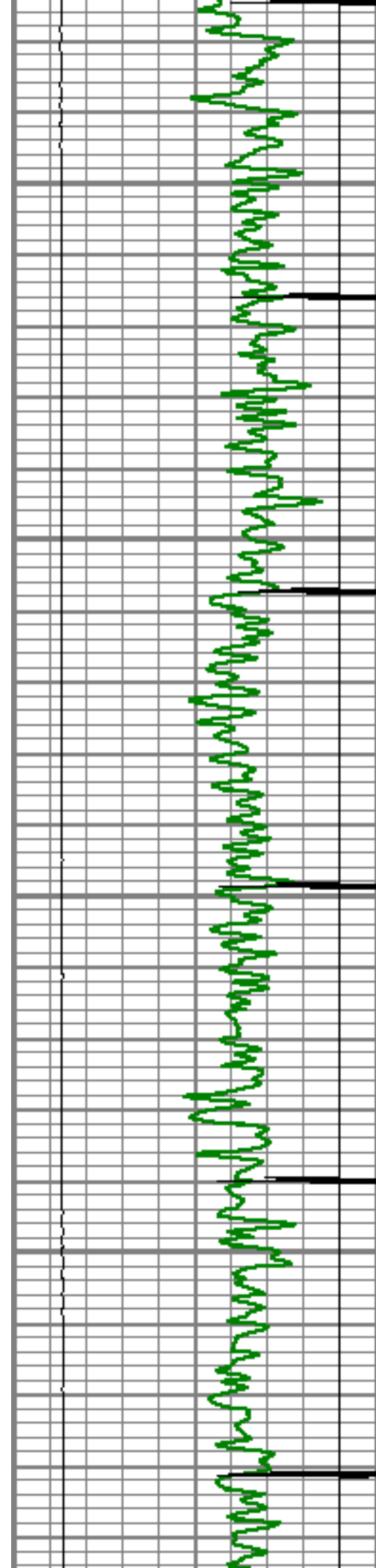
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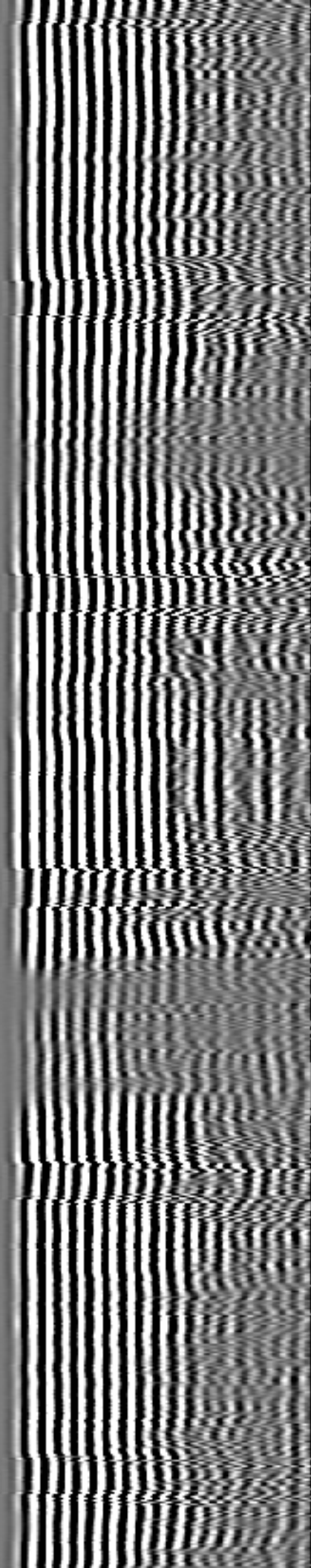
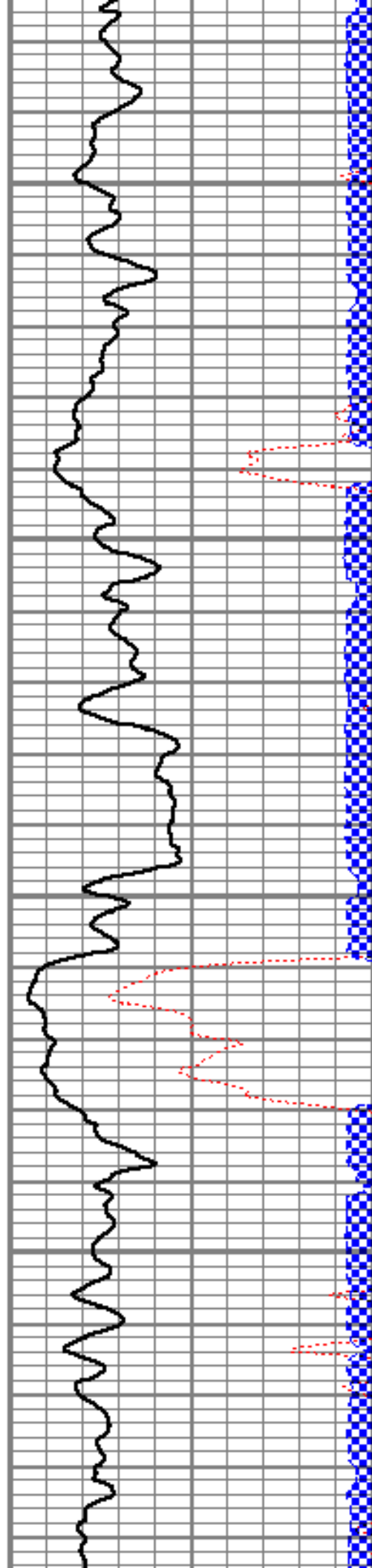


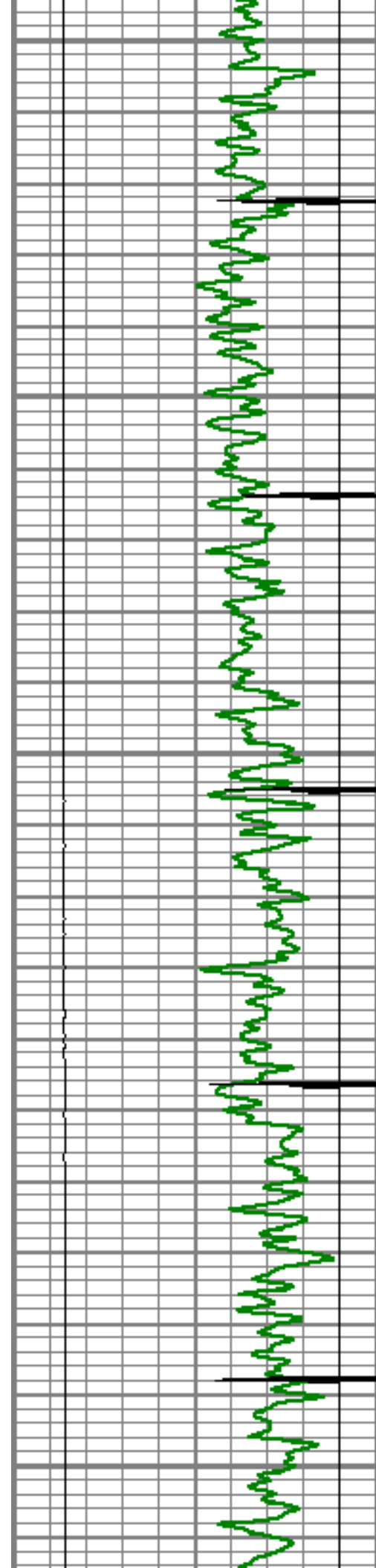
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3300

3350





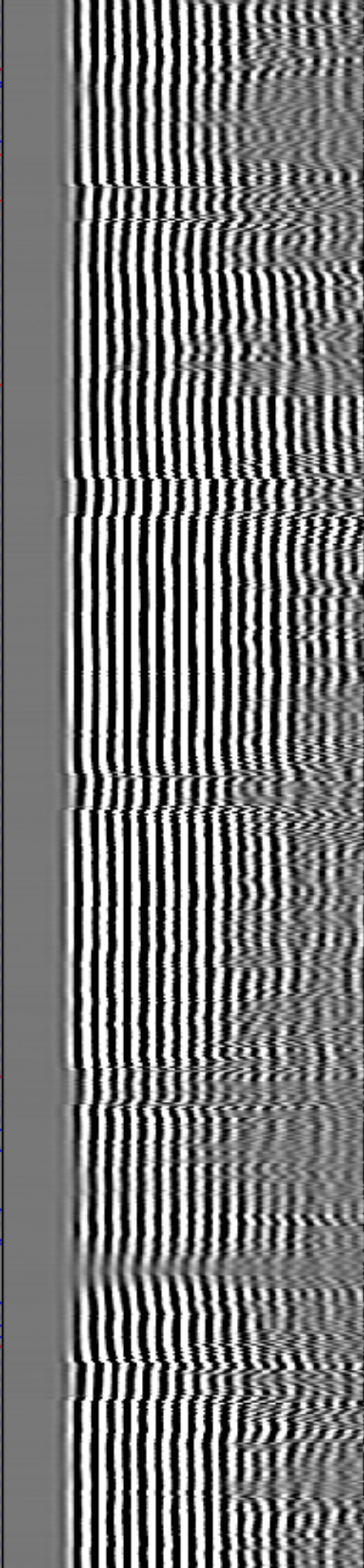
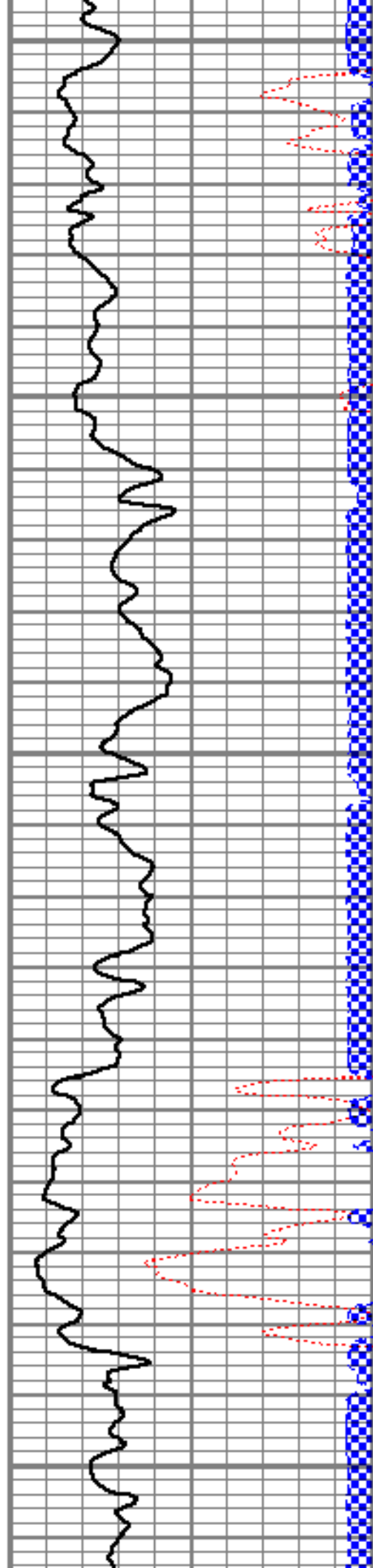
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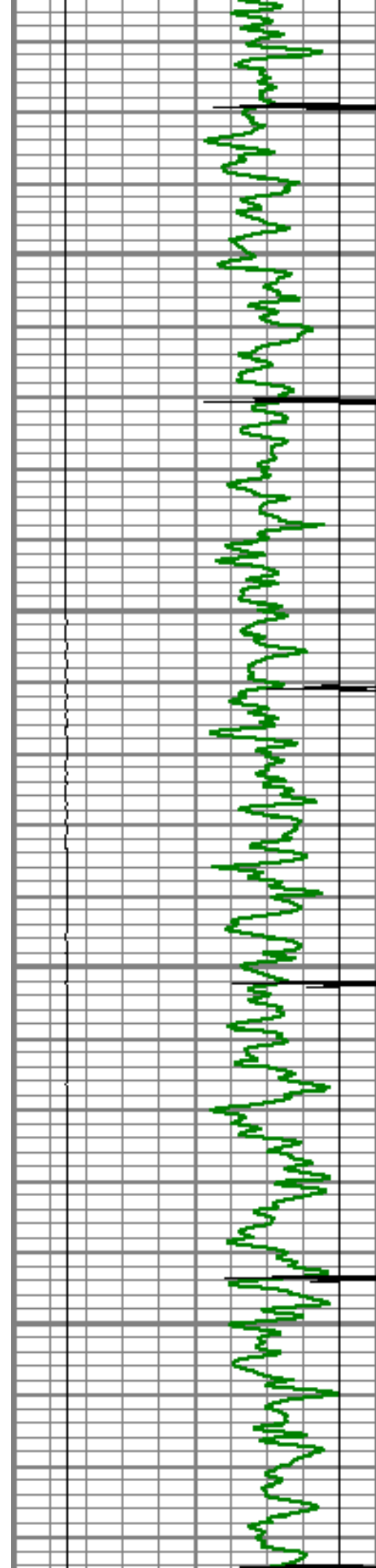
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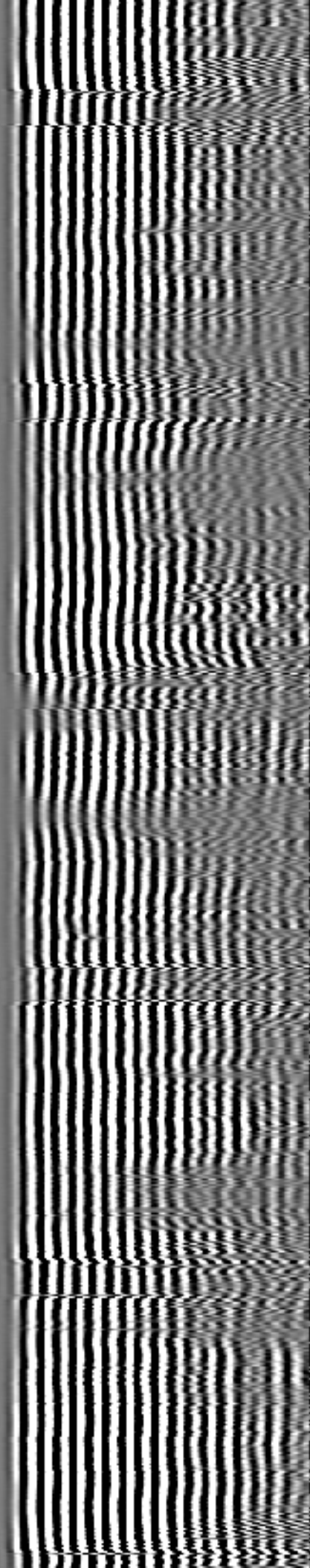
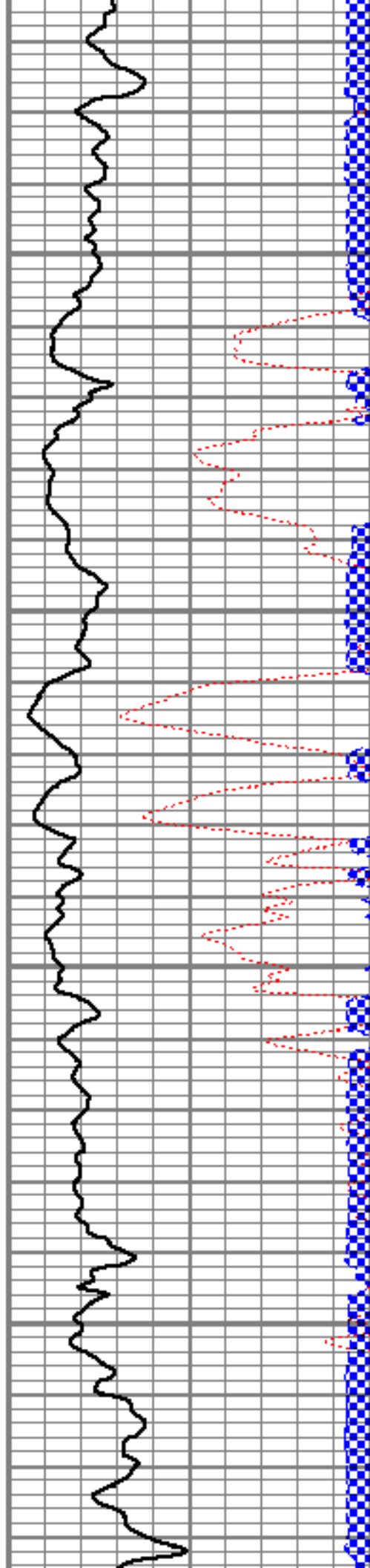


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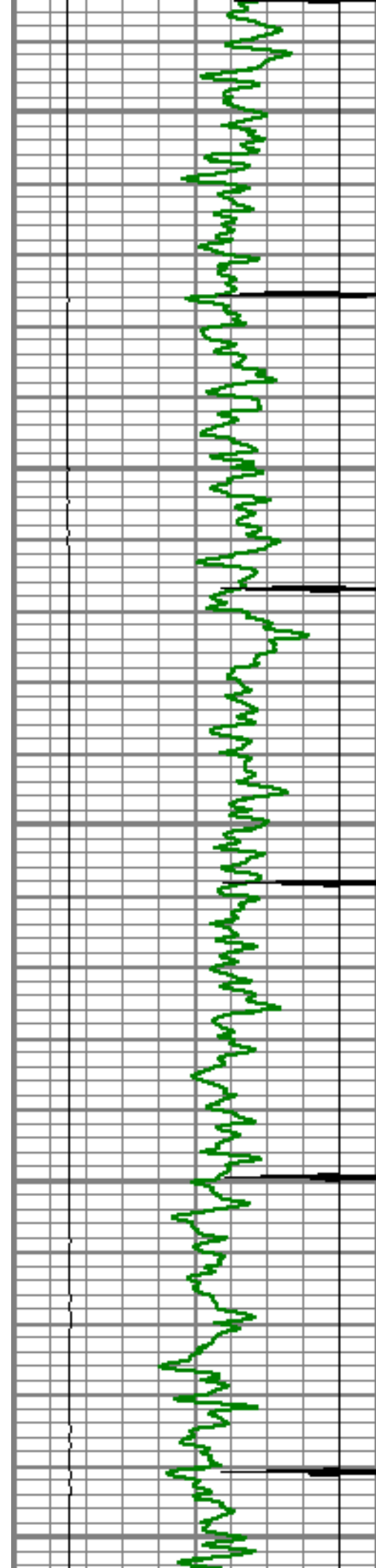
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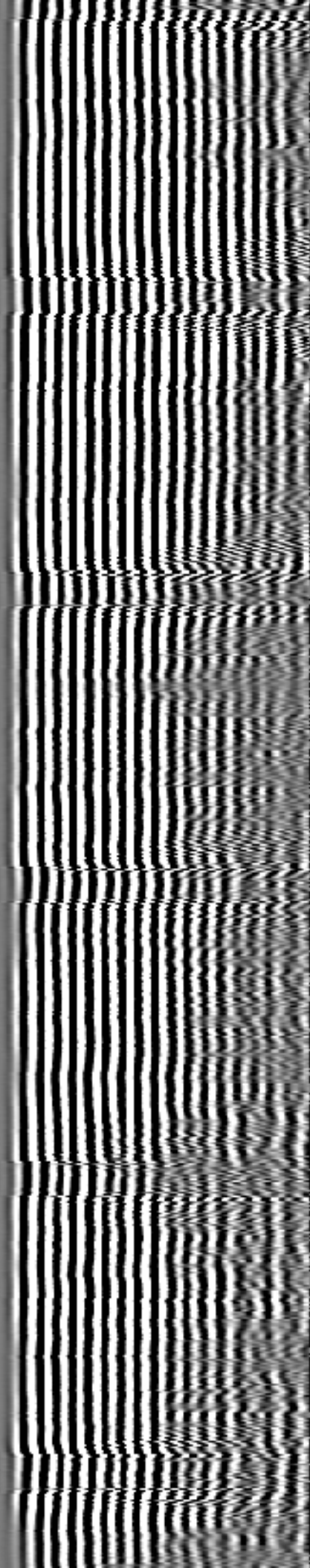
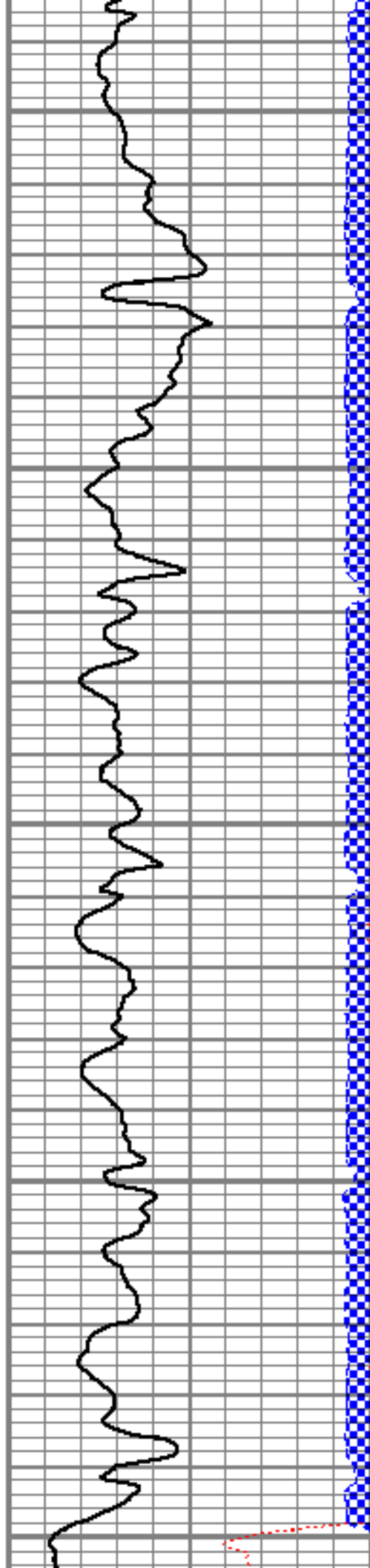
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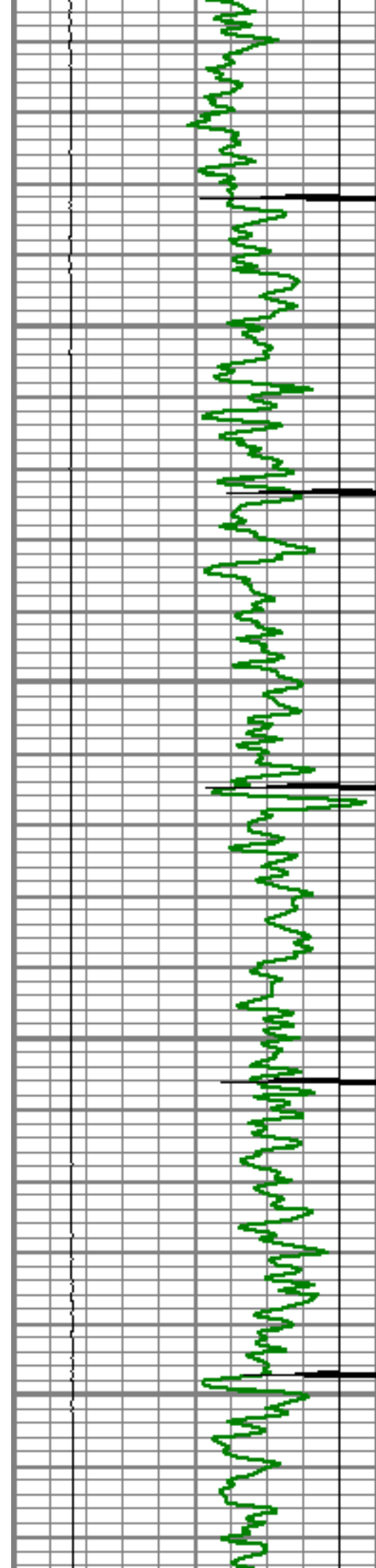
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4050



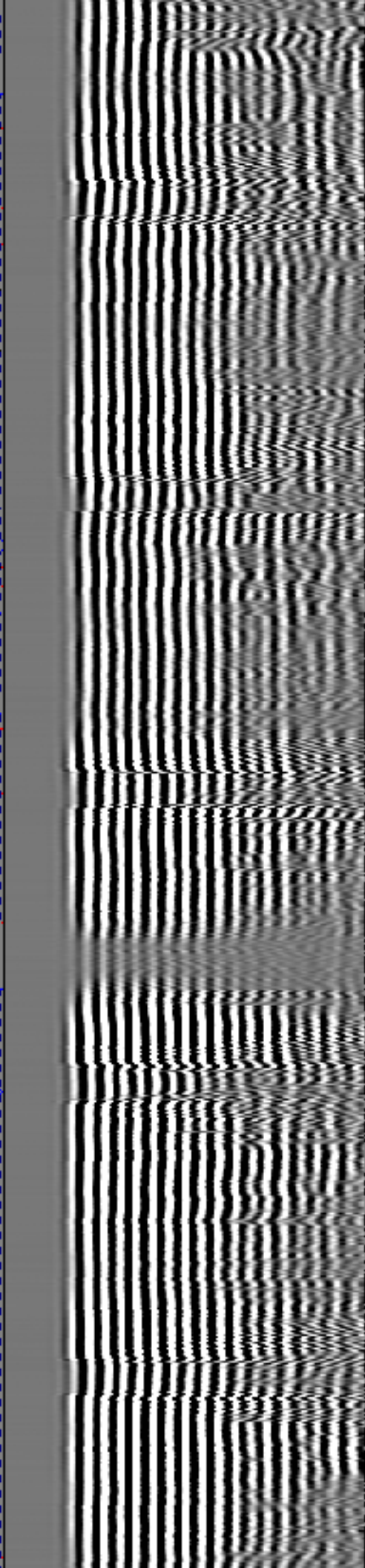
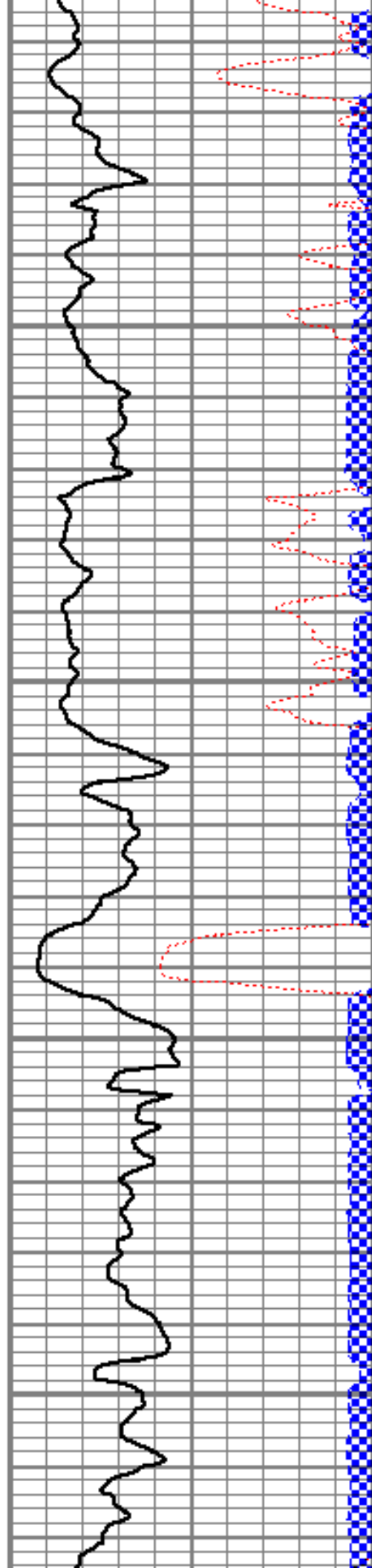


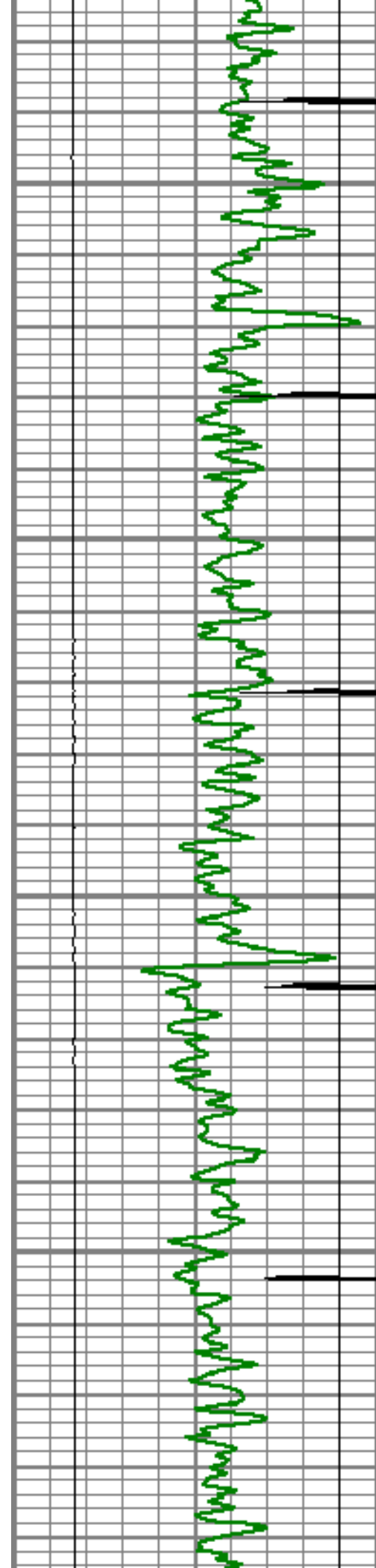
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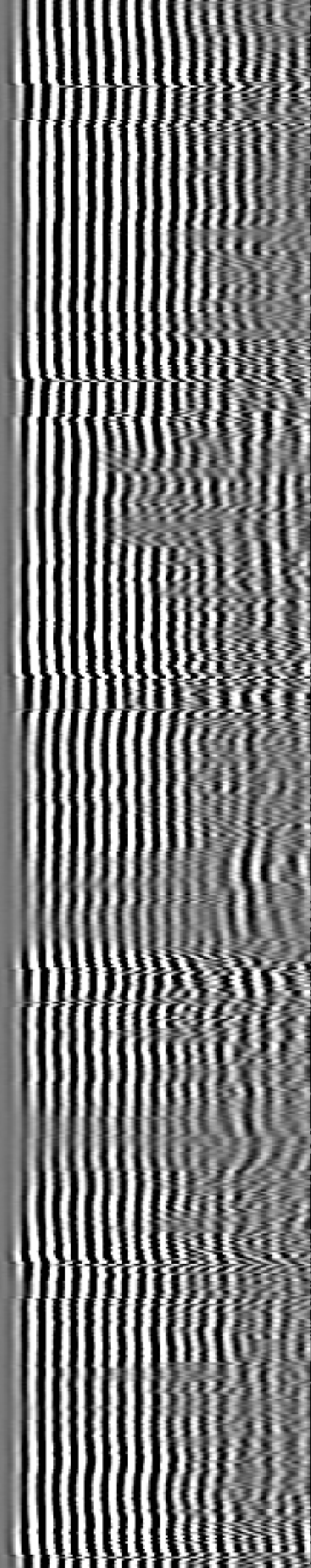
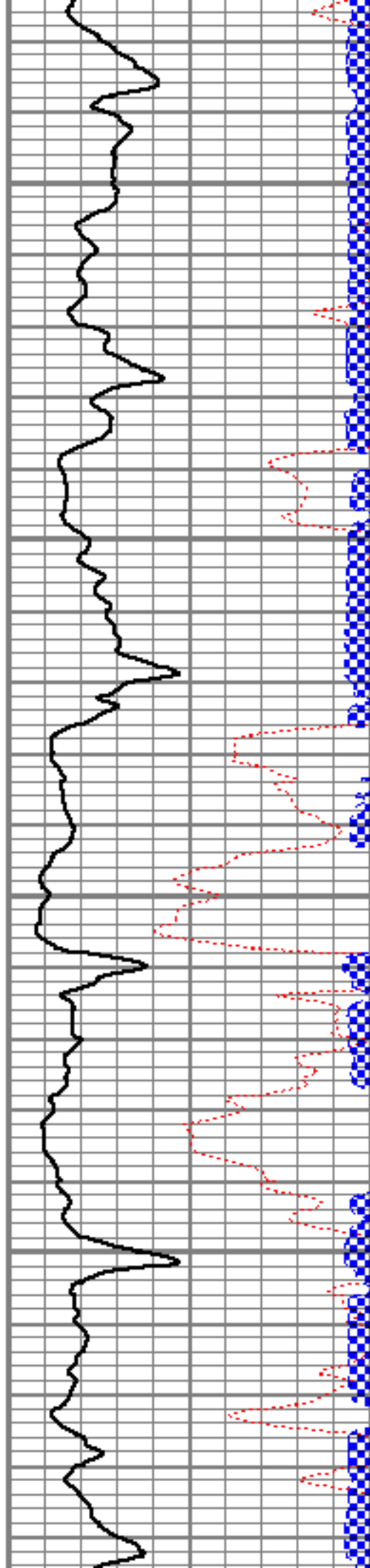


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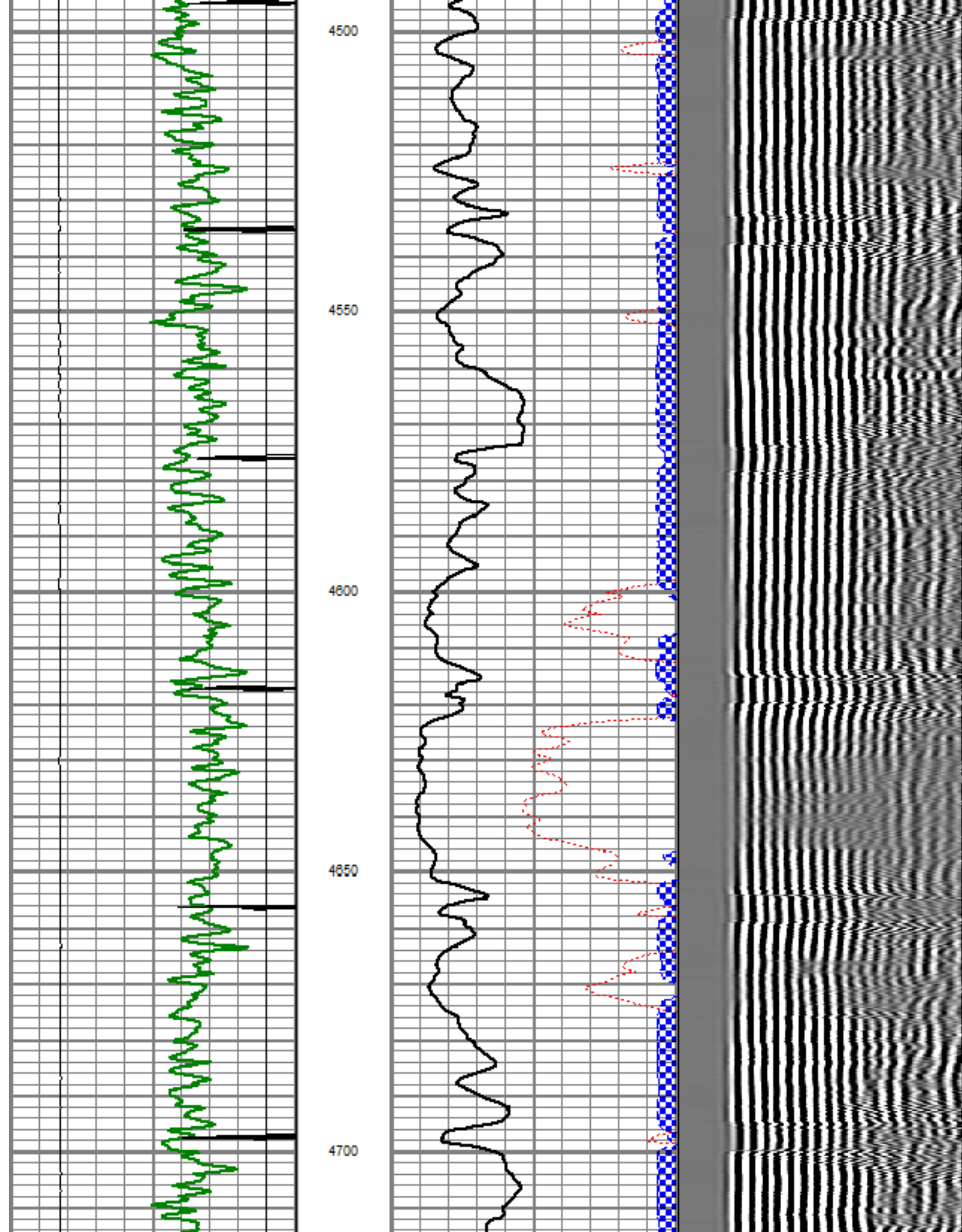
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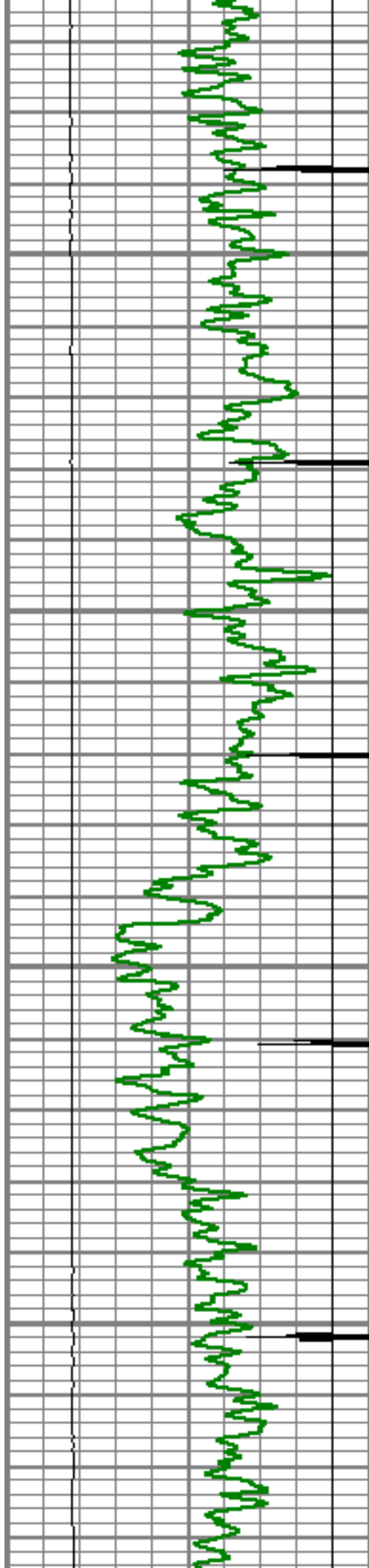
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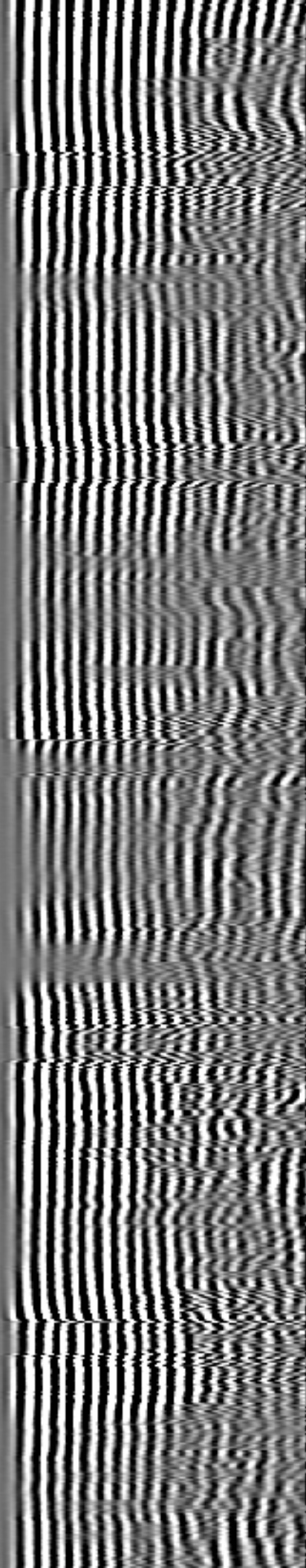
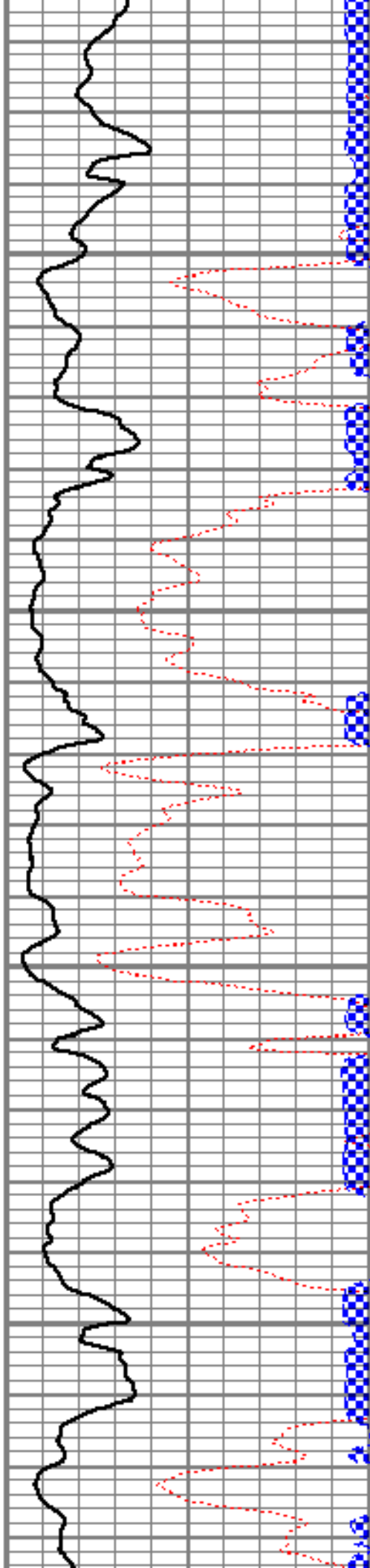


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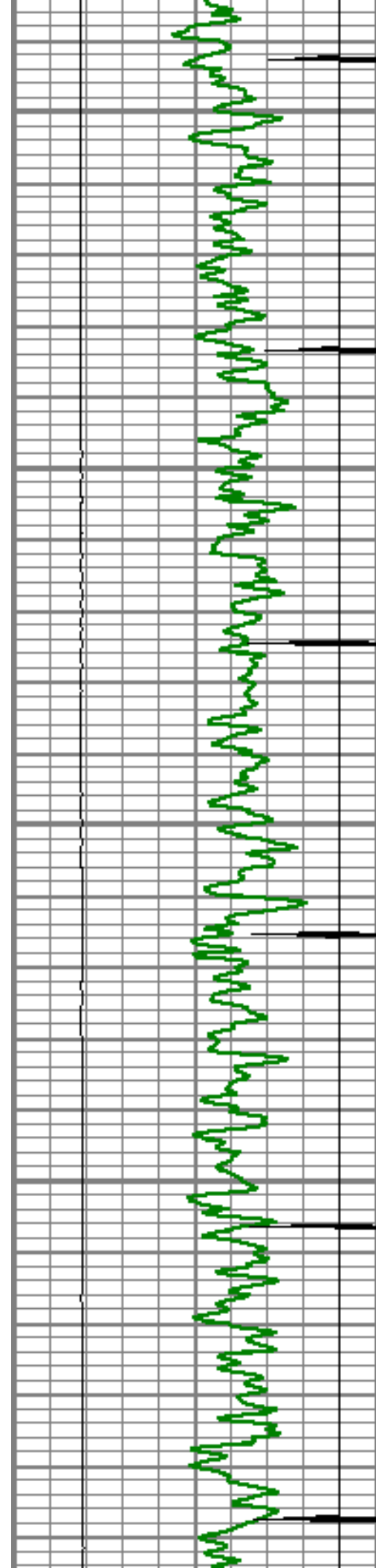
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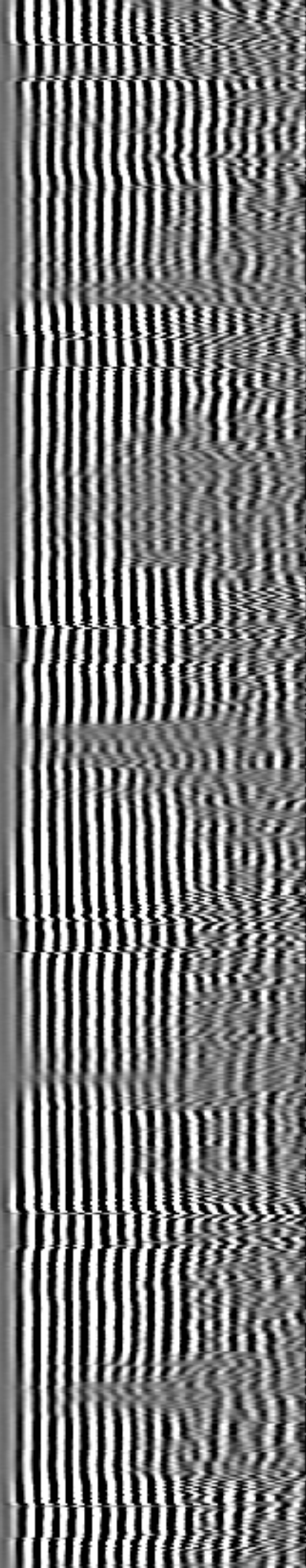
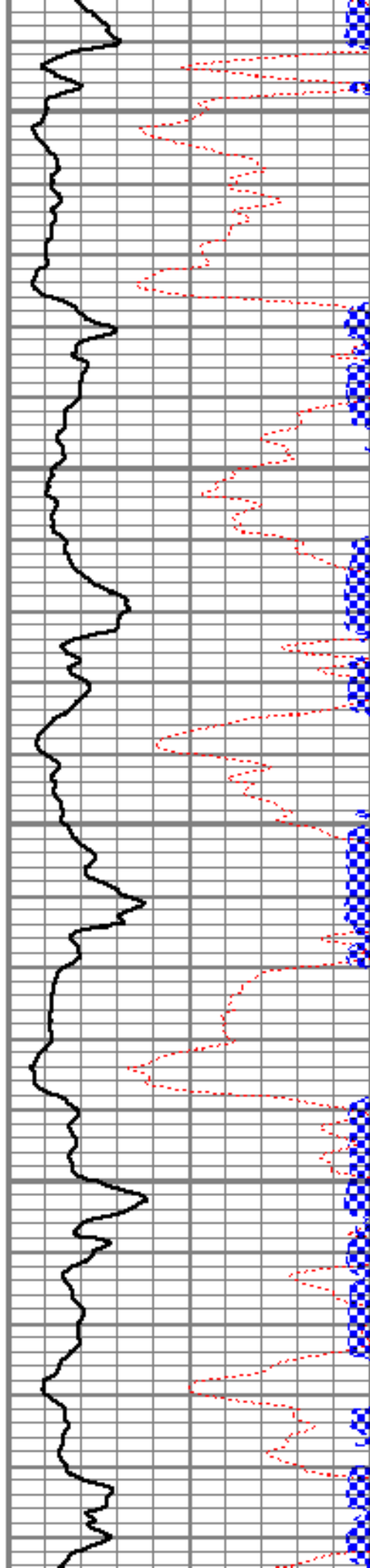
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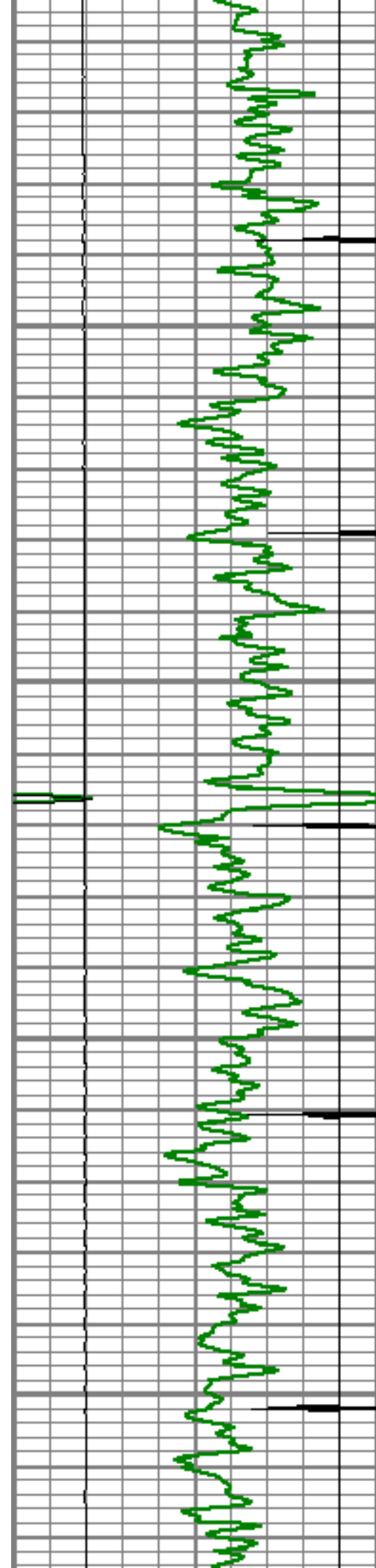
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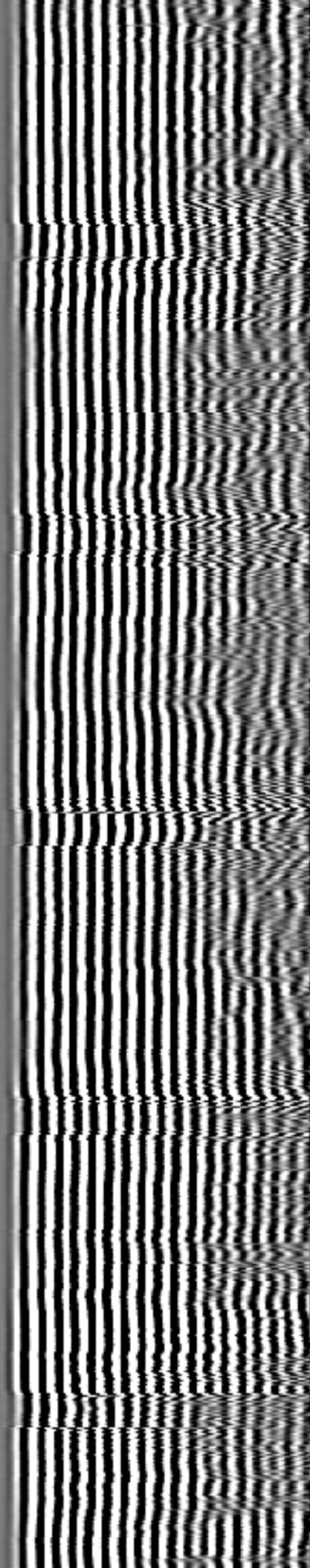
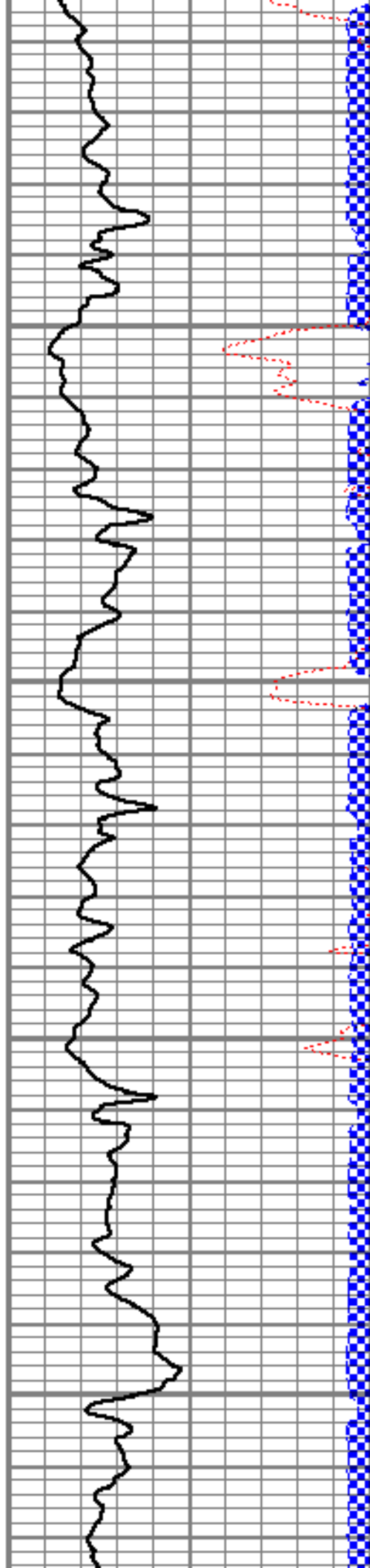


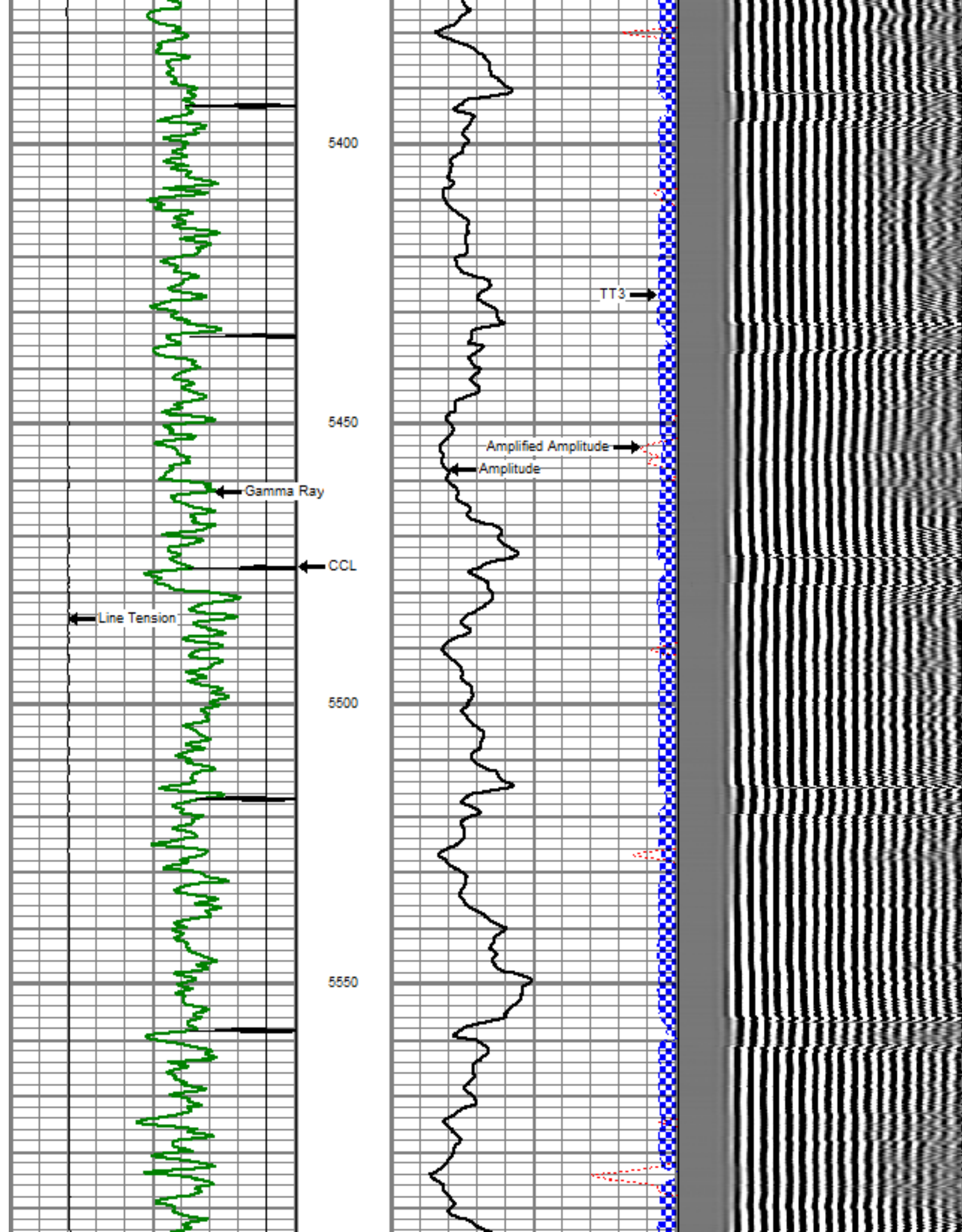
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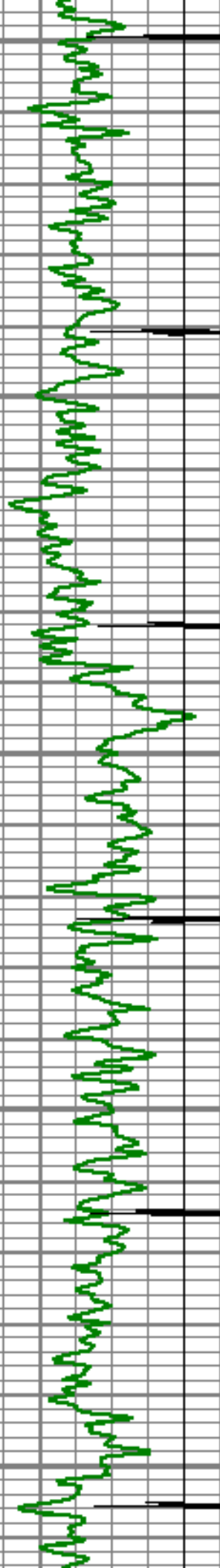
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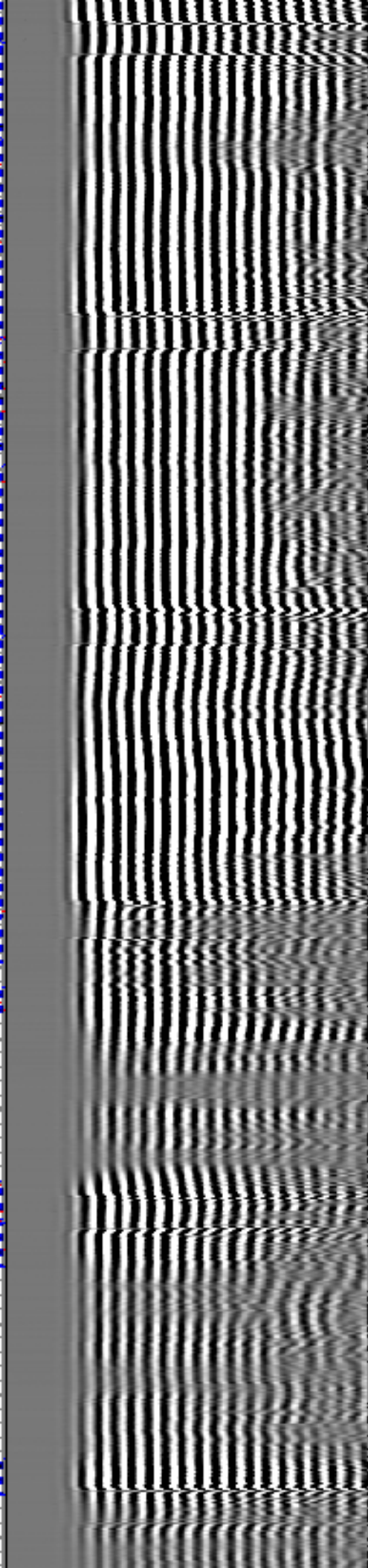
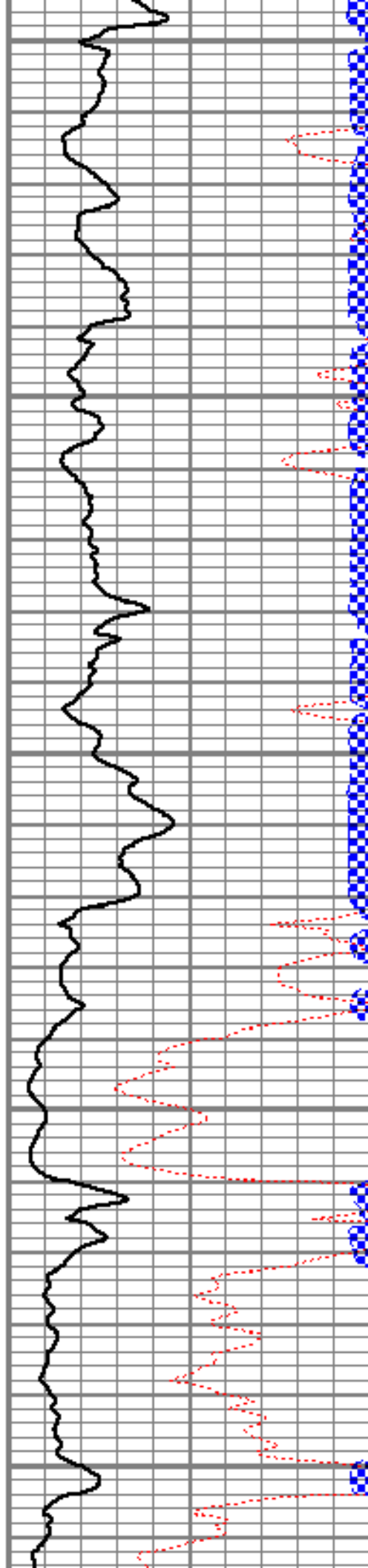
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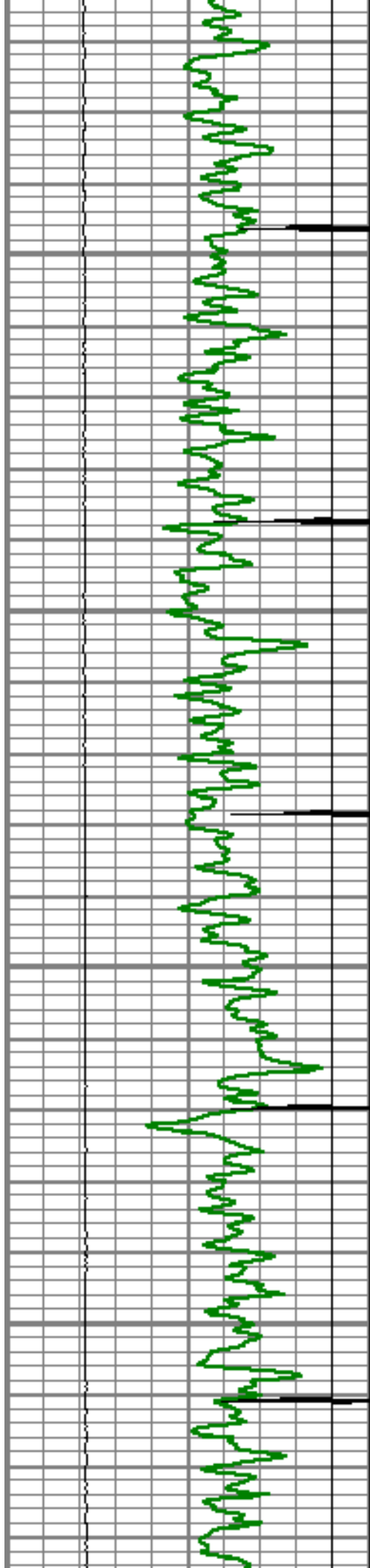
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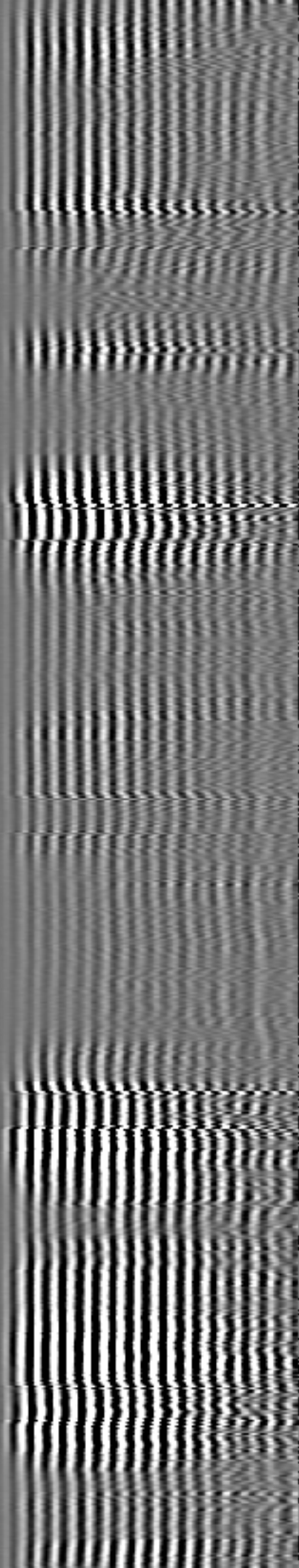
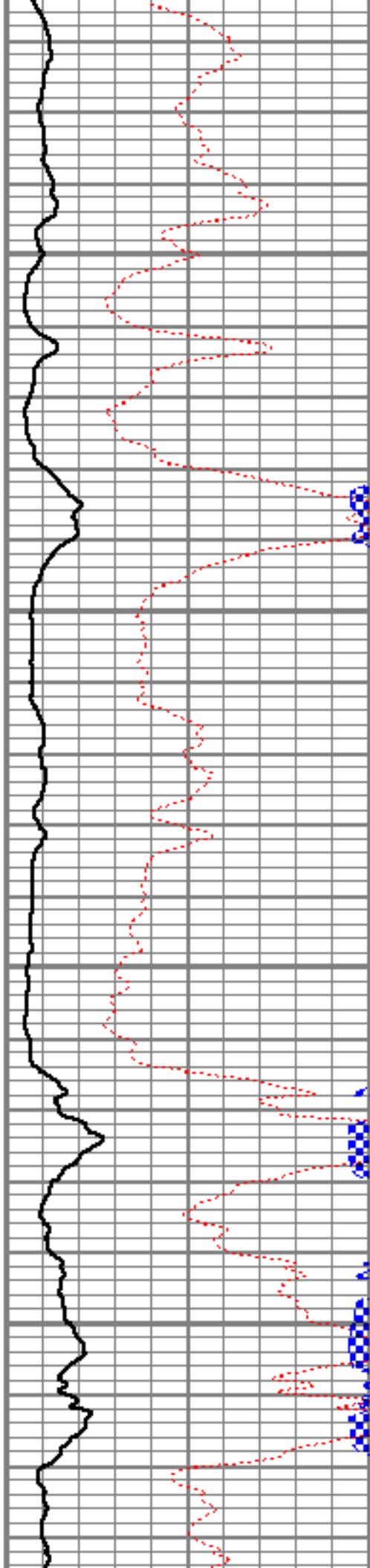


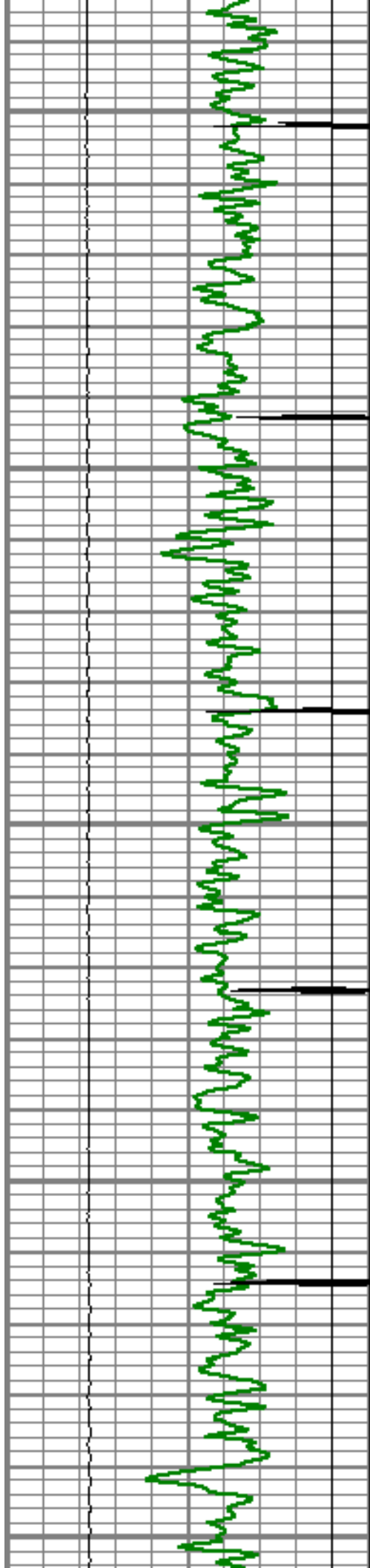
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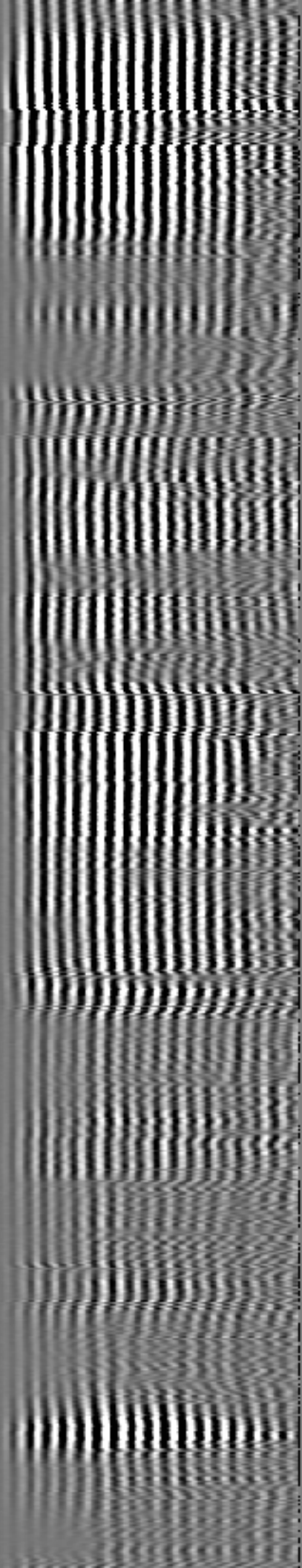
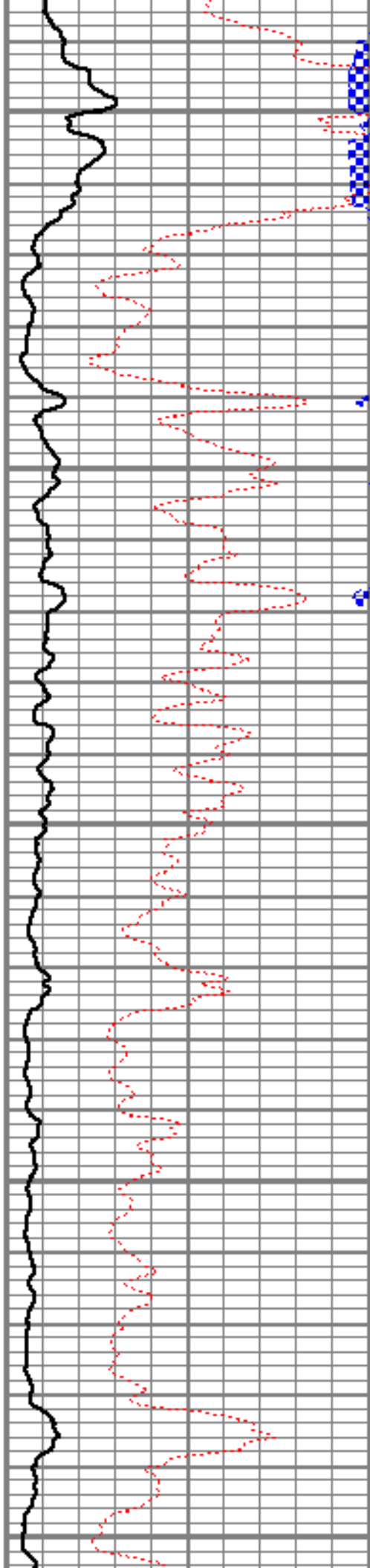
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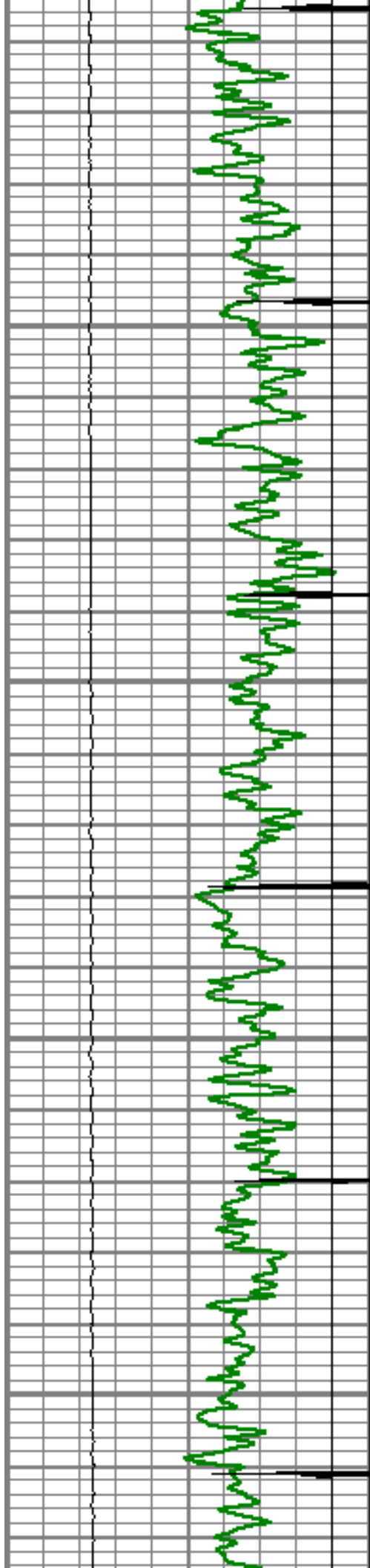
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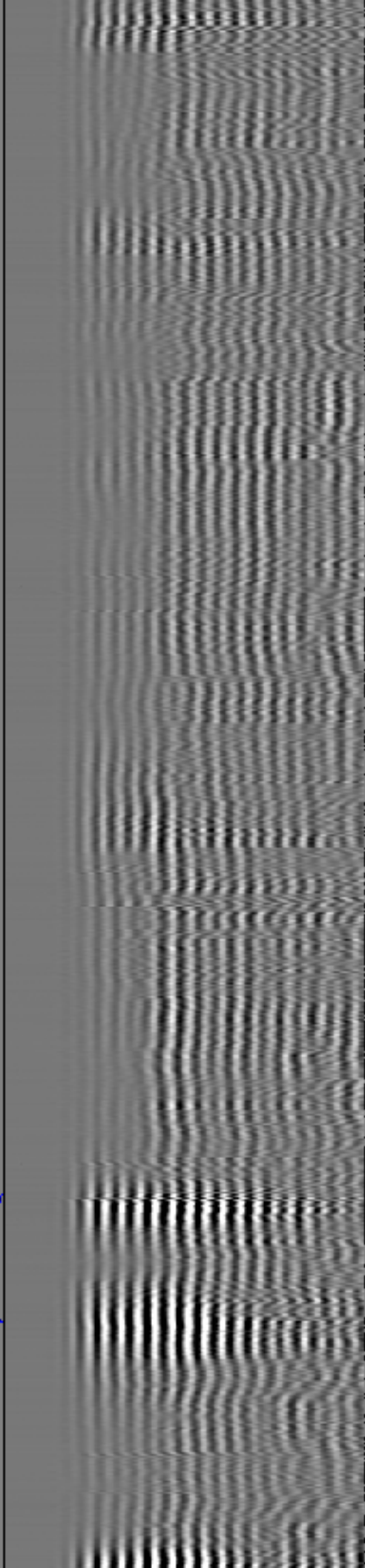
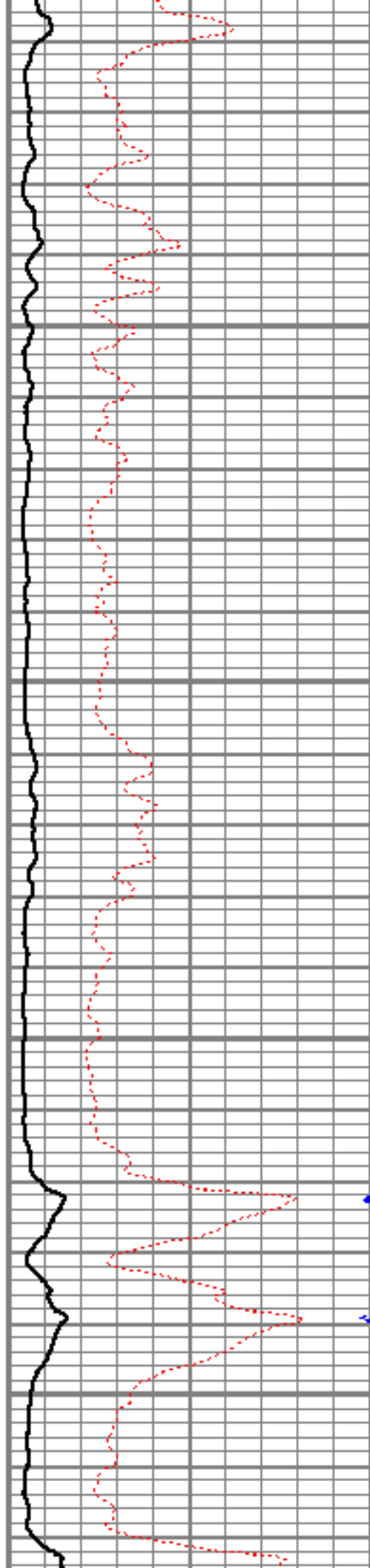


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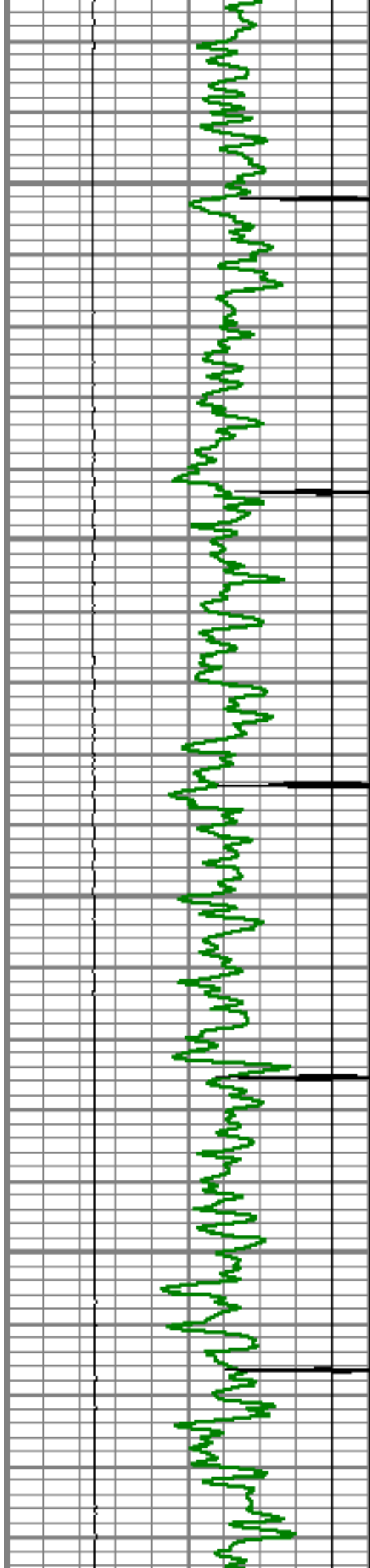
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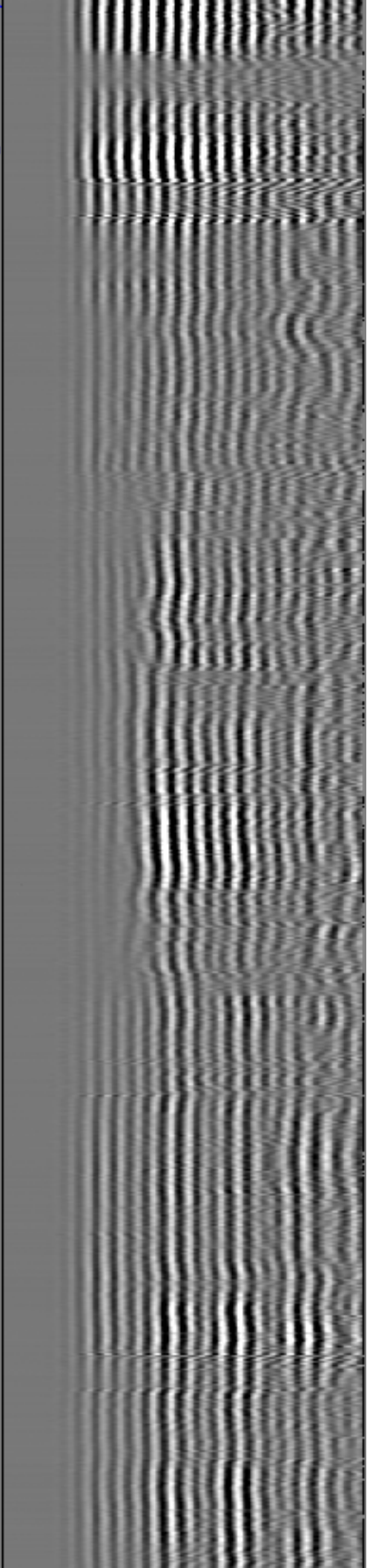
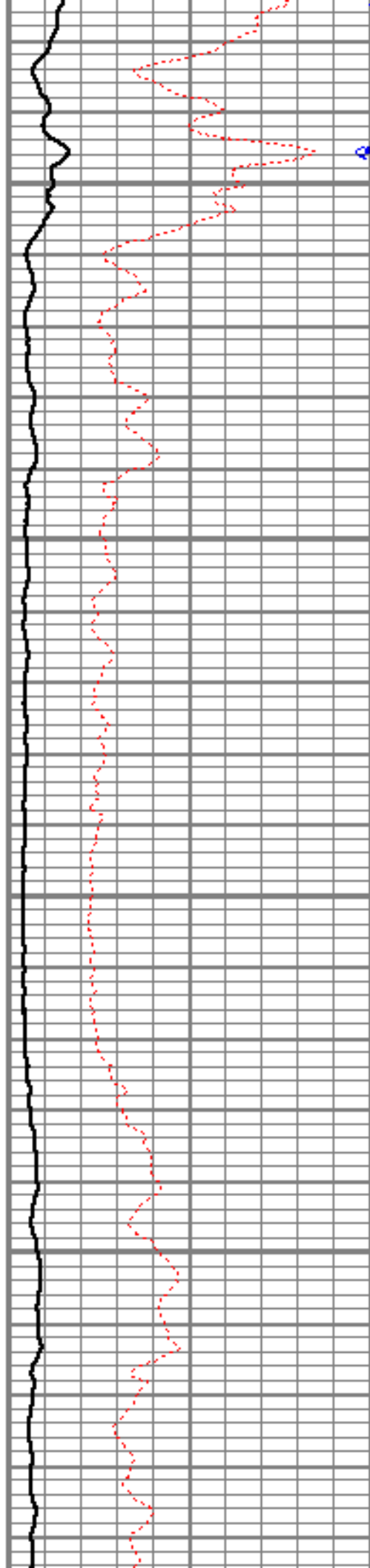


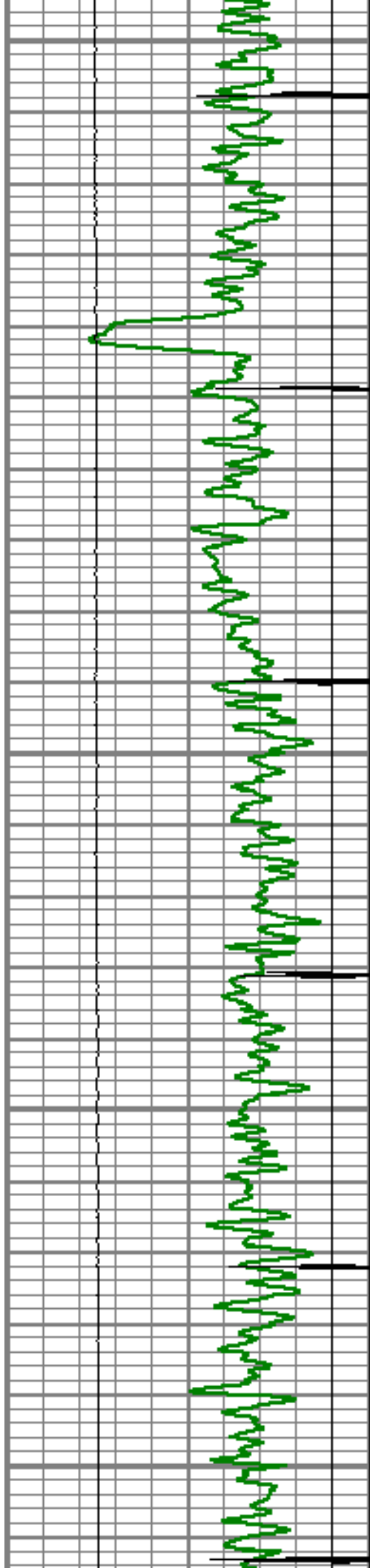
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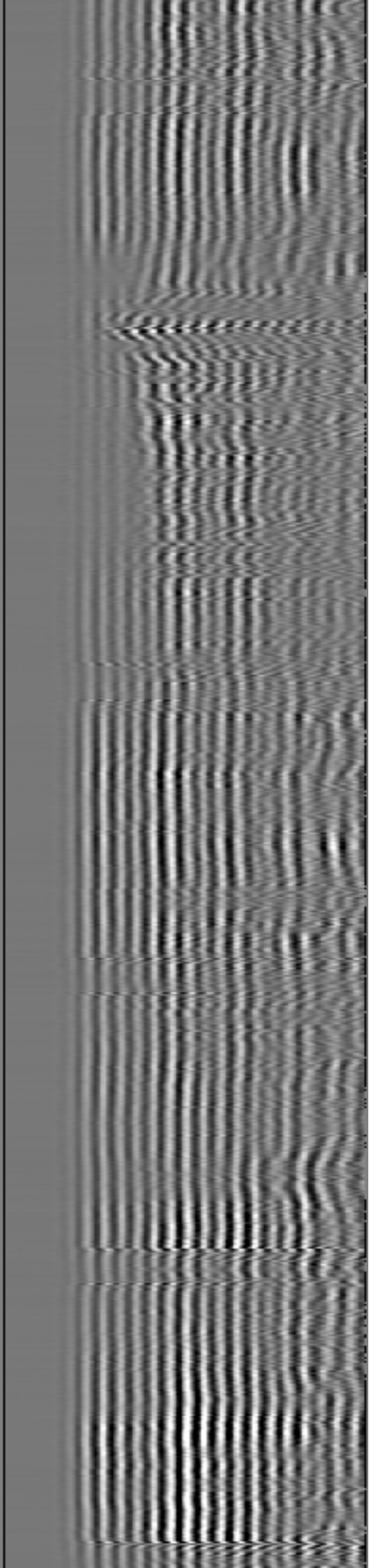
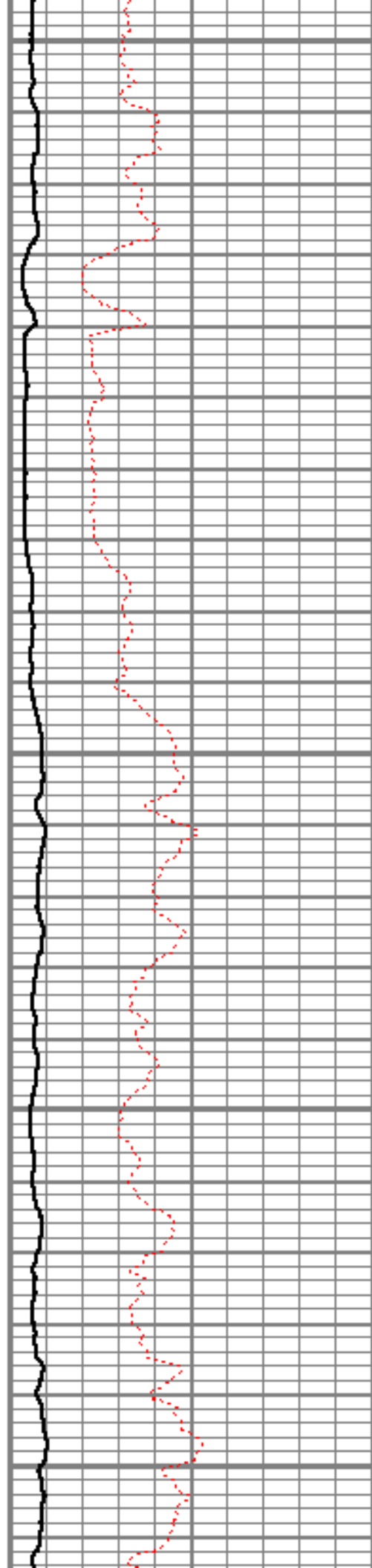
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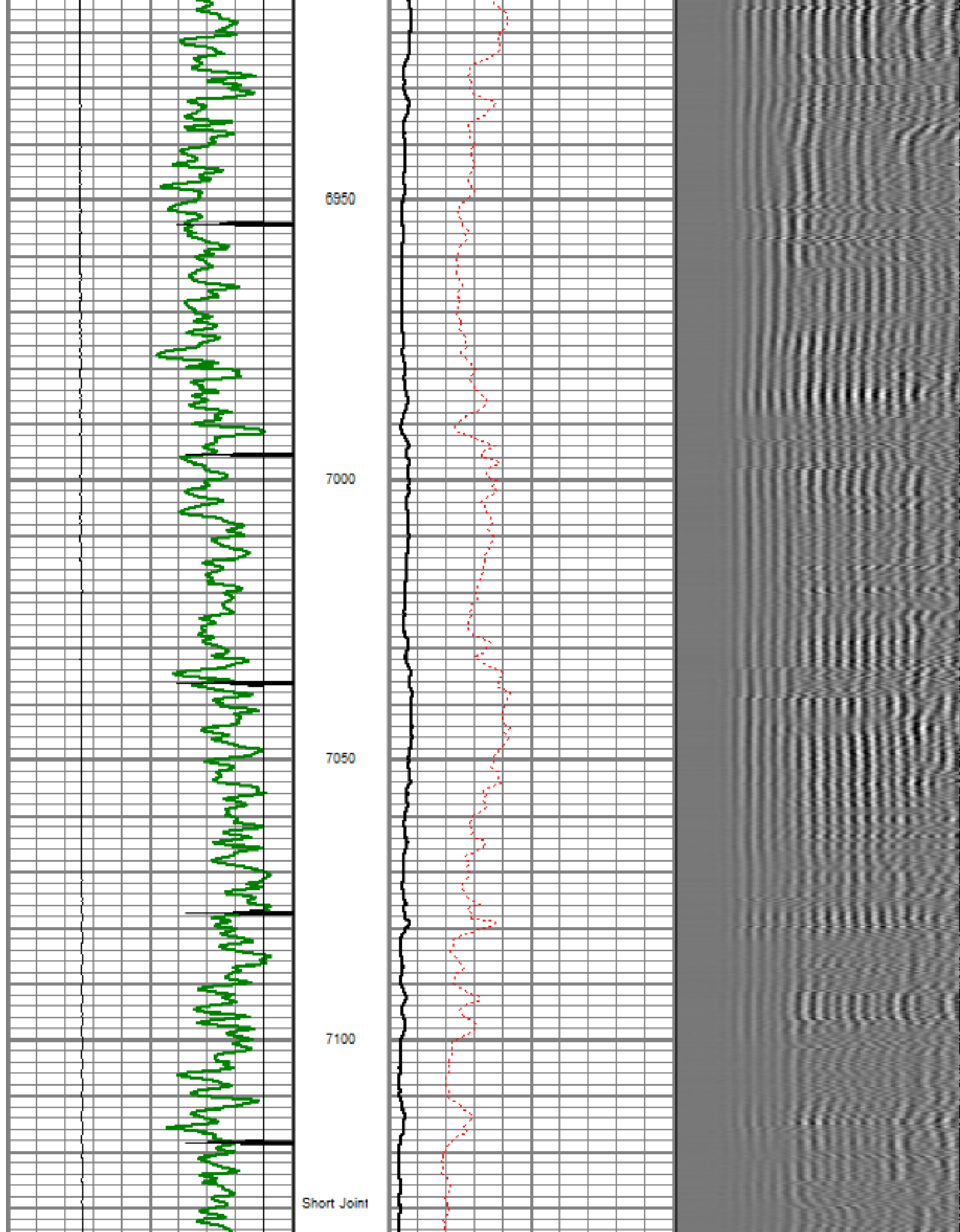
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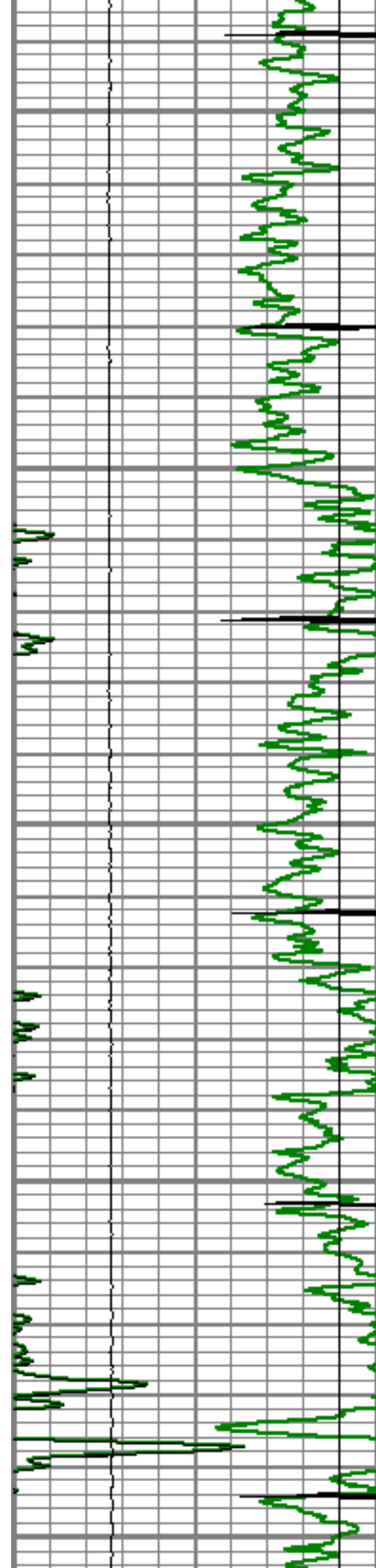
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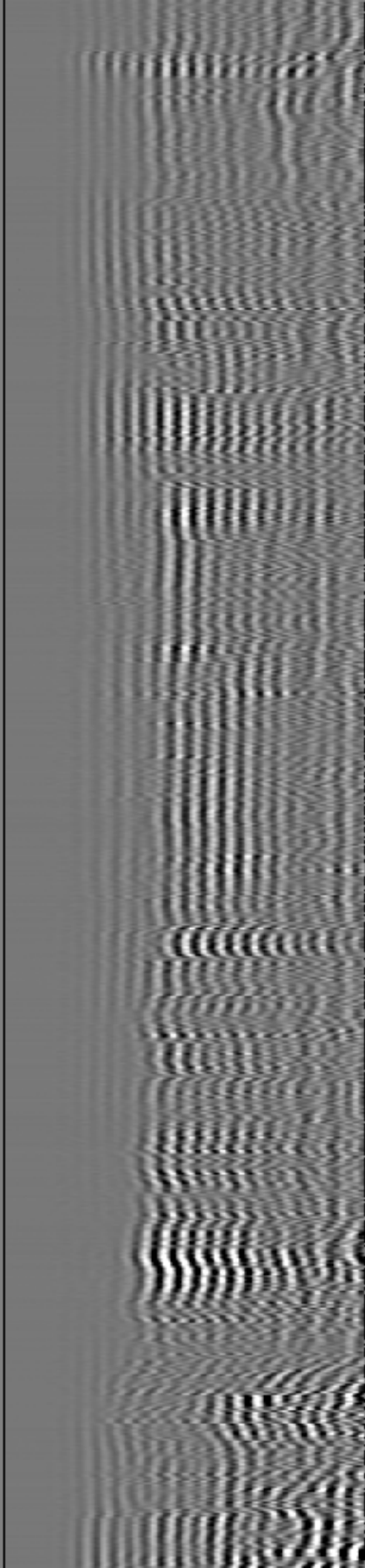
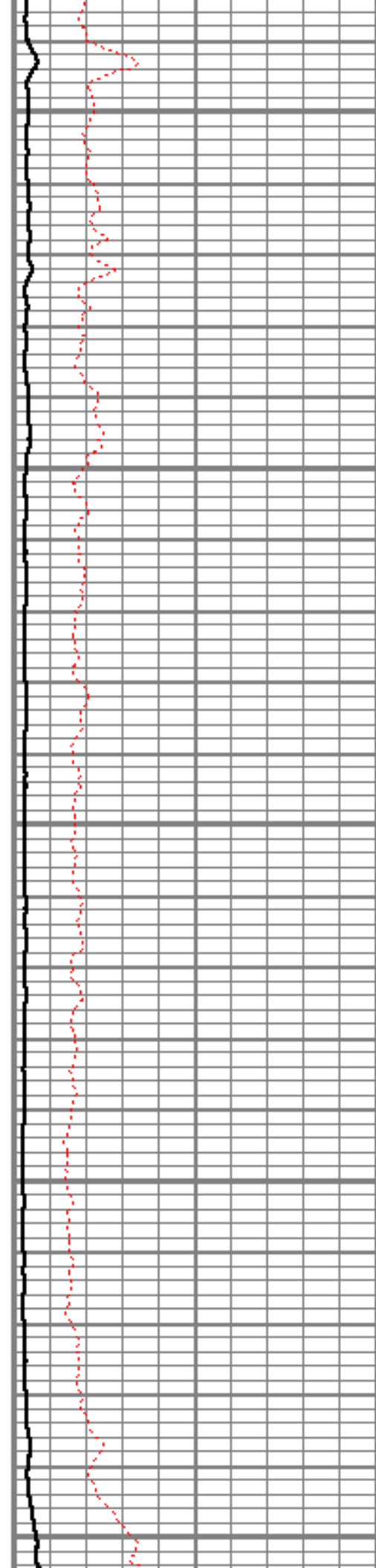
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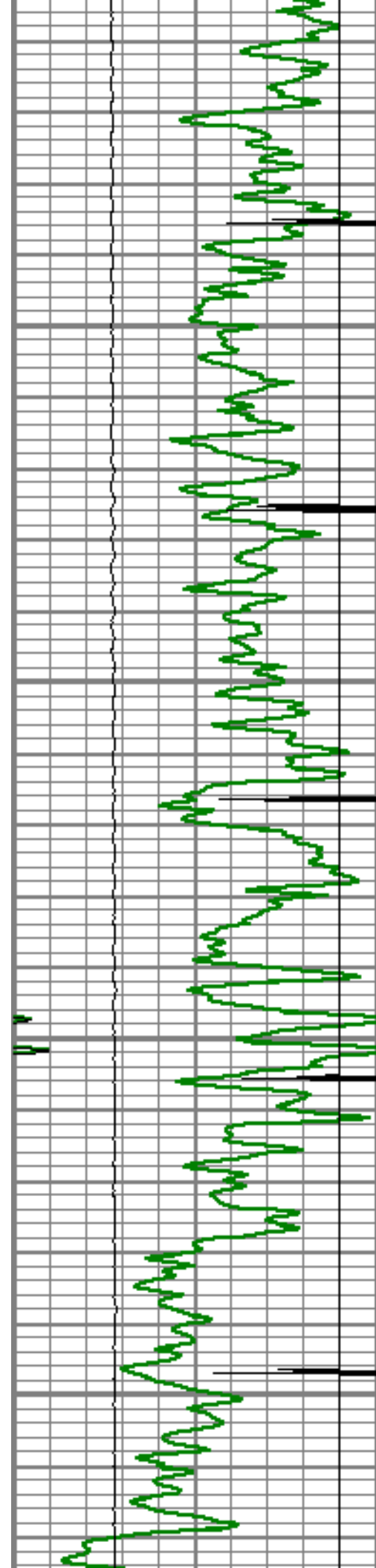
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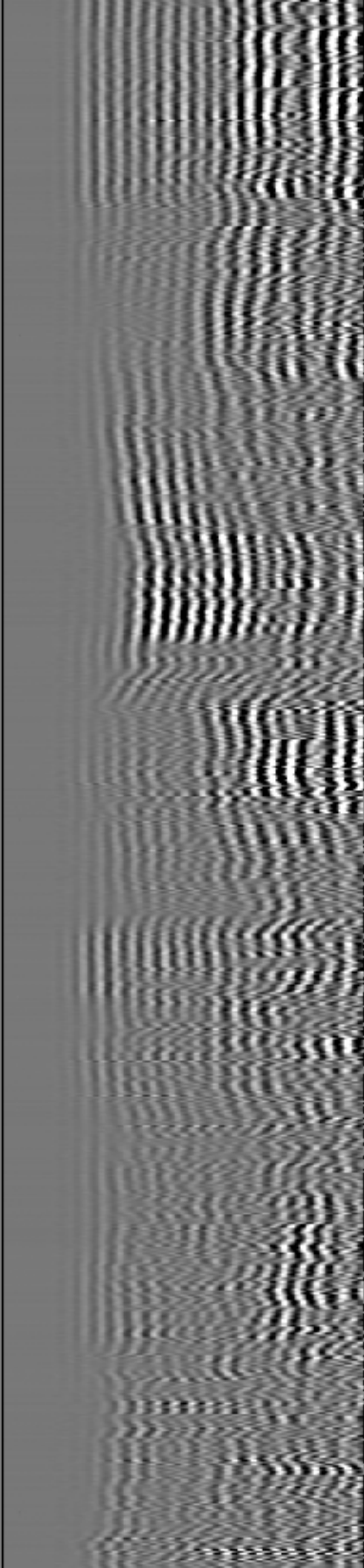
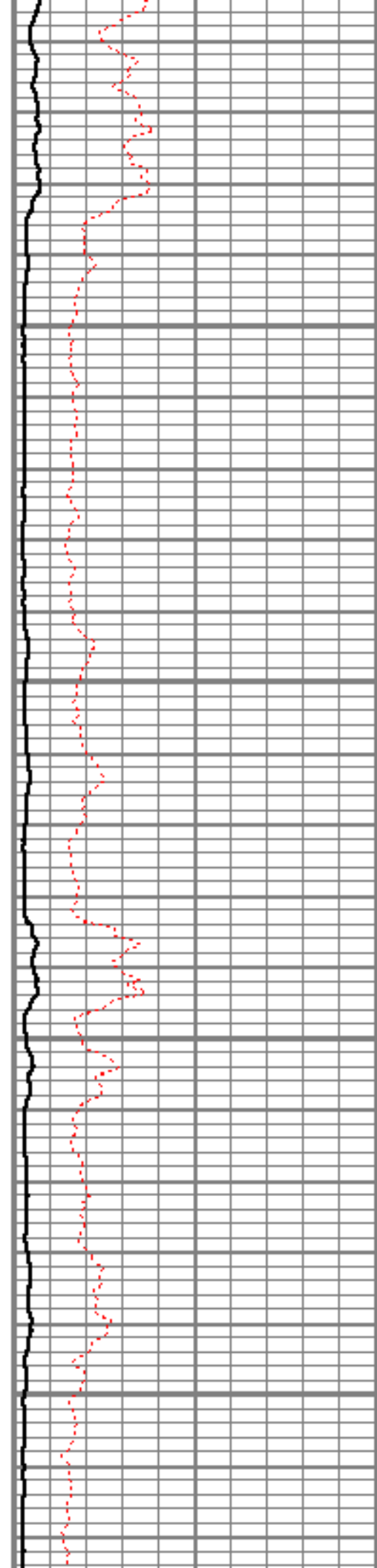


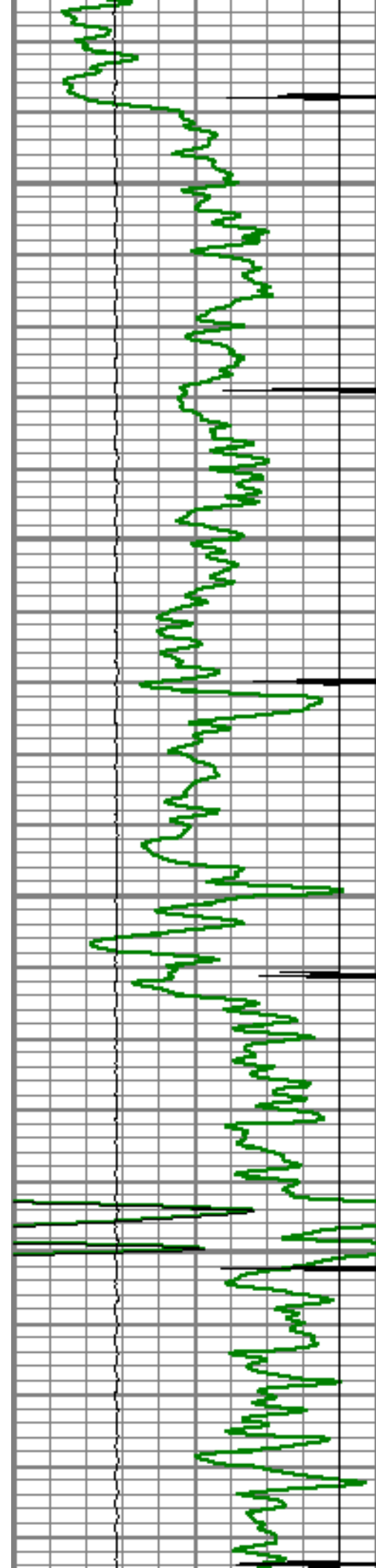
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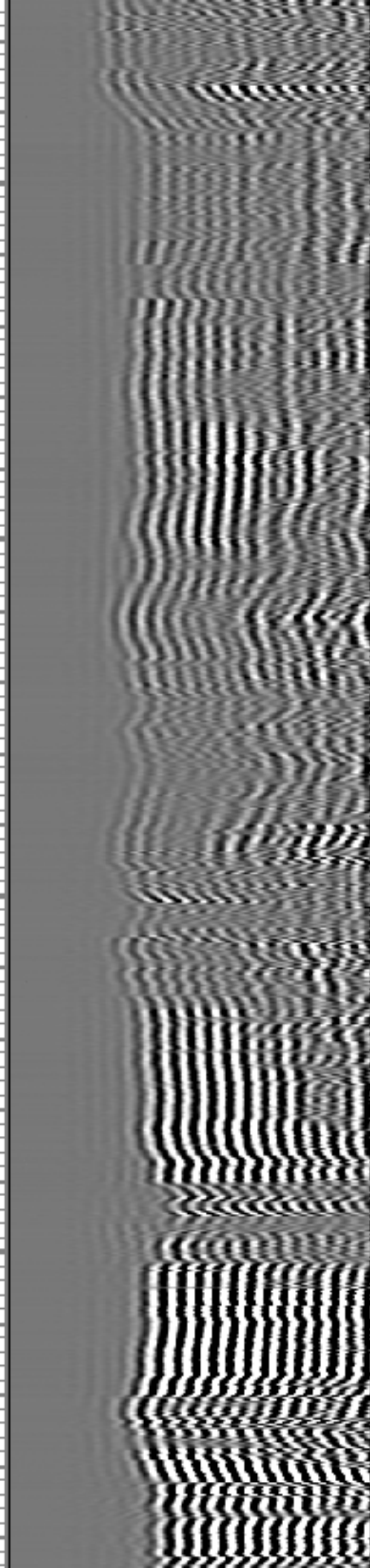
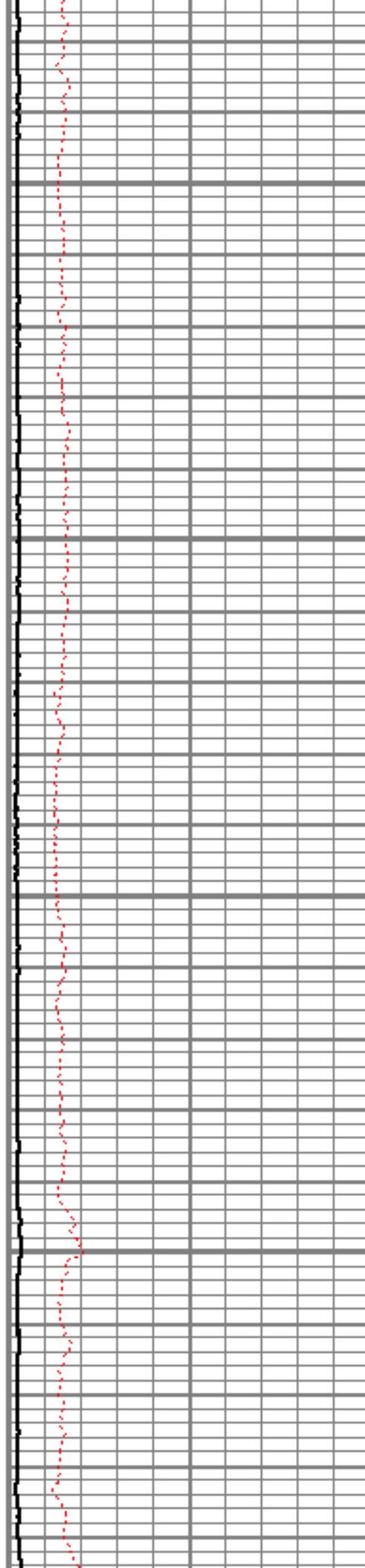


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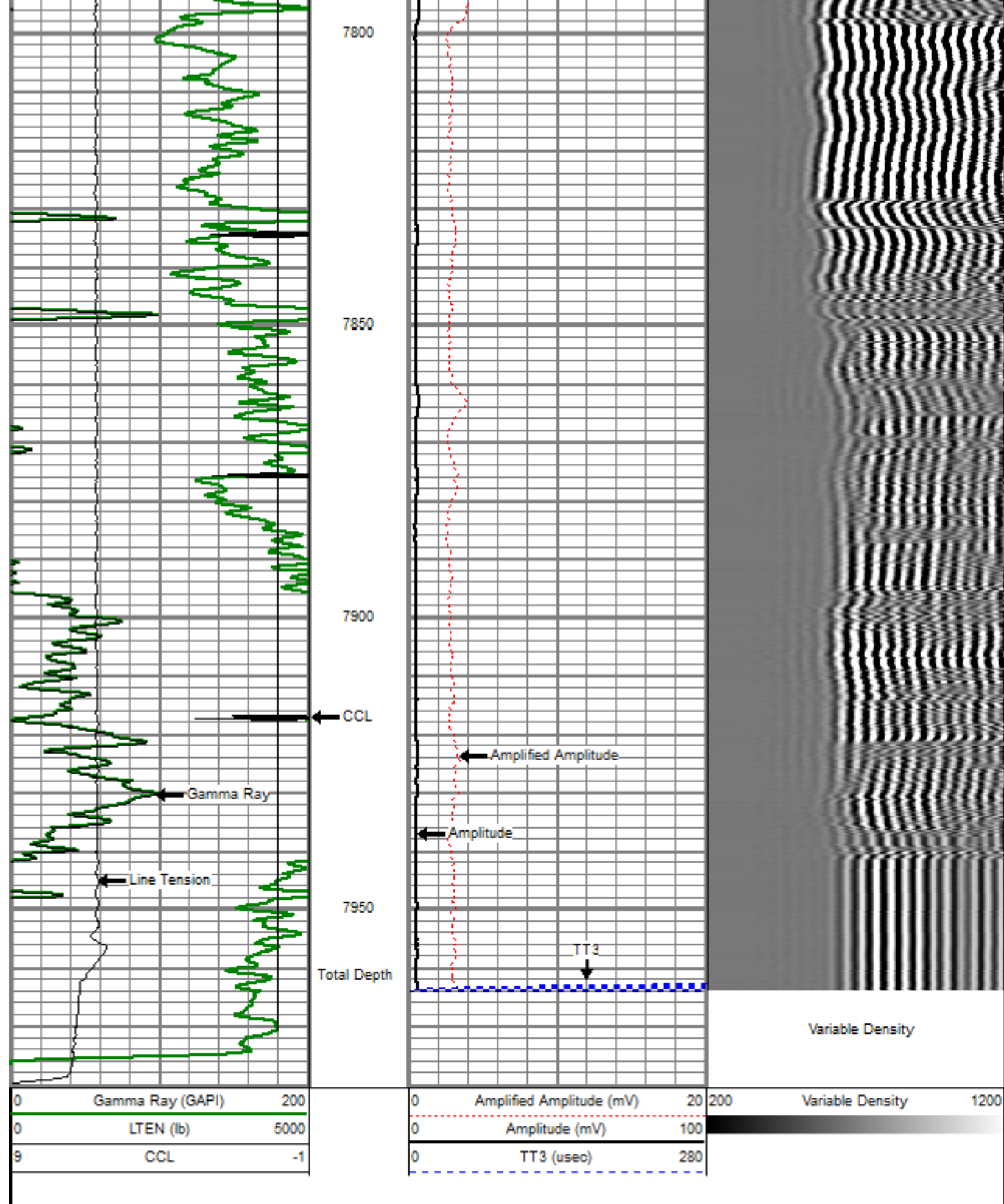
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Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

Tool Name	Tool Length (ft)	Tool Weight (lb)	Tool O.D. (in)	Tool Description
TEMP	0.17			TEMP-Comprobe (TEMP_CMPRB_1375_0) Positive pulse Temp tool
GR	3.63			GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool
CCL	8.21			CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_02) Probe 2 Magnet CCL
				Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer
WVF5	15.56			CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28) Probe 2.75" Dual Receiver Bond
WVF3	16.56			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer
				Titan Cable Head Go Pin.

Dataset: file 41-17pt2.db: field/well/run1/pass3oh

Total Length: 24.98 ft

Total Weight: 126.50 lb

O.D. 2.75 in



Company  
Well  
Field  
County  
State

ENCANA OIL & GAS (USA) INC.  
FILE 41-17  
WATTENBERG  
WELD  
COLORADO