



CEMENT BOND LOG

Mesa Wireline

Company BAYSWATER EXPLORATION &
Well SCHLOTTHAUER 13-23
Field WATTENBERG
County WELD
State COLORADO

Company BAYSWATER EXPLORATION &
Well SCHLOTTHAUER 13-23
Field WATTENBERG
County WELD State COLORADO

Location: SHL: 85' FSL & 84' FWL SWSW
LAT: 40.552646 Deg
LONG: -104.866904 Deg
SEC: 23 TWP: 7N RGE: 67W
Permanent Datum GROUND LEVEL Elevation 4966'
Log Measured From KELLY BUSHING = 16'
Drilling Measured From KELLY BUSHING
Other Services
NONE
Elevation
K.B. 4982'
D.F. 4983'
G.L. 4986'

Date 9 APRIL 2012

Run Number	ONE
Depth Driller	7588'
Depth Logger	7510'
Bottom Logged Interval	7510'
Top Log Interval	600'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.34 LBS/GAL
Max. Recorded Temp.	230 DegF
Estimated Cement Top	1900'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	10801W / PB01
Location	AULT, CO
Recorded By	B. MAYNARICH
Witnessed By	C. RODRIGUEZ

Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0	721'				
TWO	7.875"	0	7588'				

Casing Record		Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0		721'
Prot. String					
Production String	4.5"	11.6#	0		7531'
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 HALLIBURTON SPECTRAL DENSITY LOG DATED 12 MARCH 2012.
LOG WAS RAN TO SURFACE WITH 0 PSI ON MAIN PASS. A SECOND LOG WAS RAN TO EVALUATE CEMENT IN THE PAY ZONE WHICH WAS RAN WITH 1000 PSI ON THE WELL. A RADIAL BOND TOOL WAS LATER RAN AT 1000 PSI.
SHORT JOINT: 6938' - 6959'

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



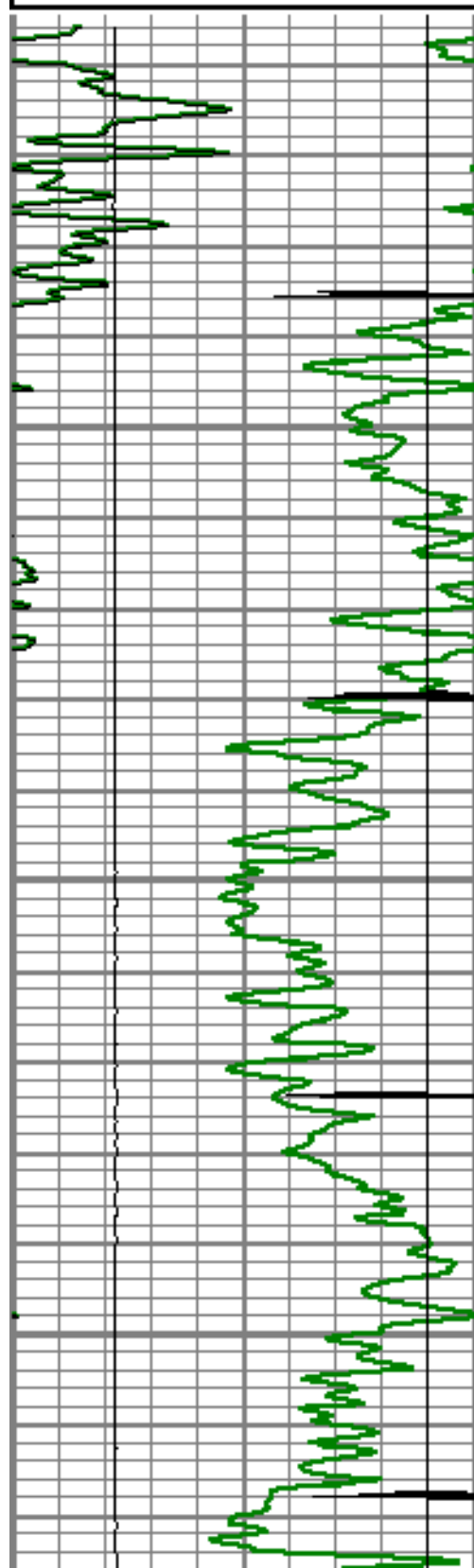
REPEAT PASS

Database File: schlotthauer13-23.db
Dataset Pathname: pass7
Presentation Format: dobl_prb
Dataset Creation: Mon Apr 09 11:00:08 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

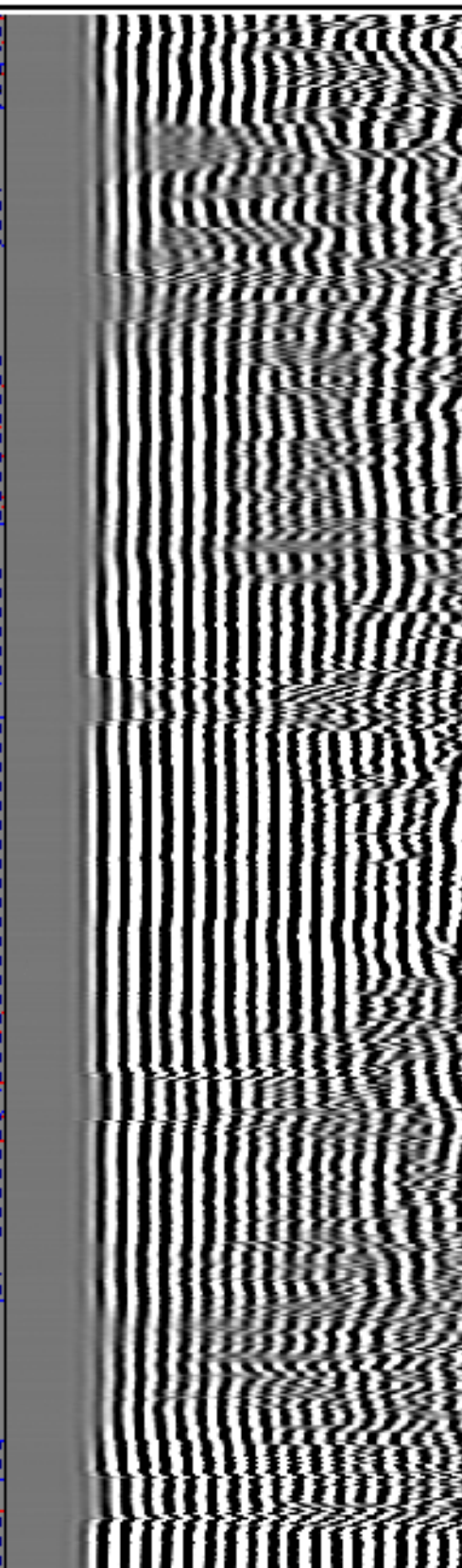
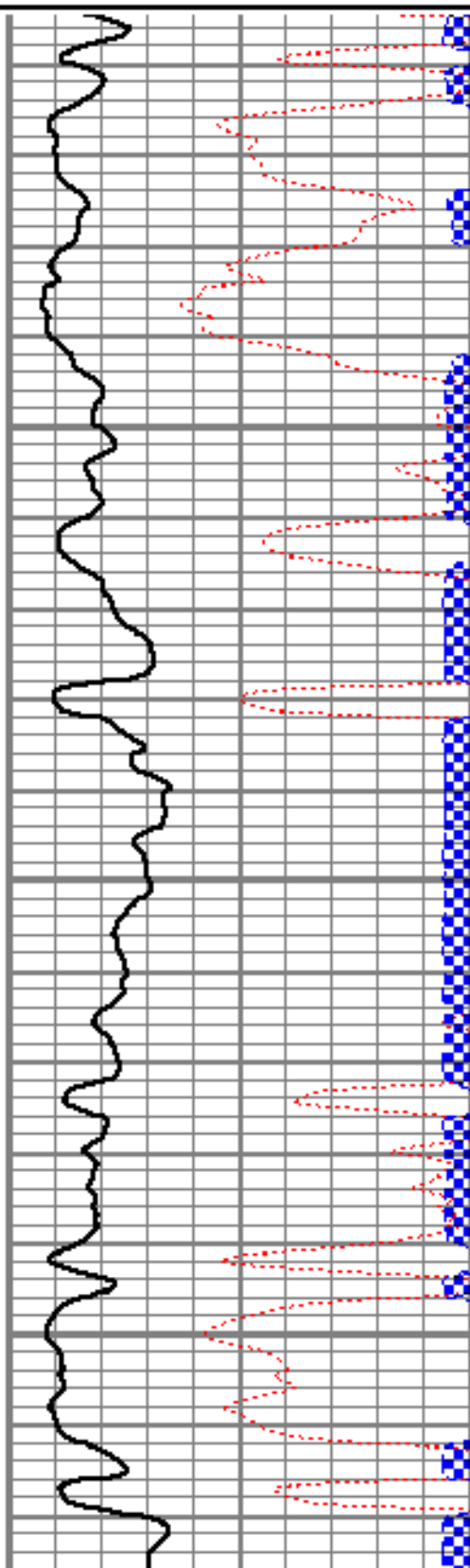
200 Variable Density 1200

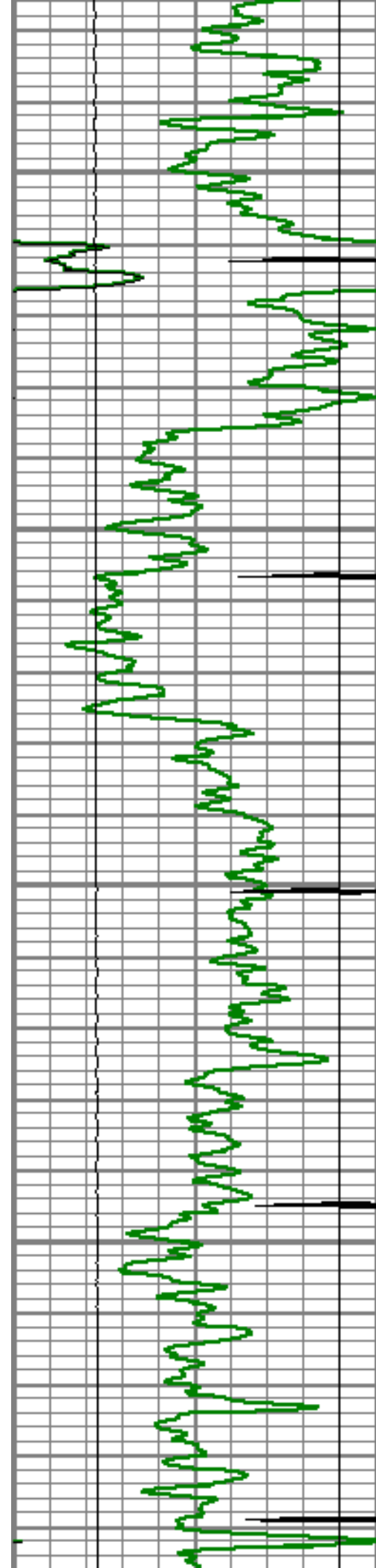


7100

7150

7200



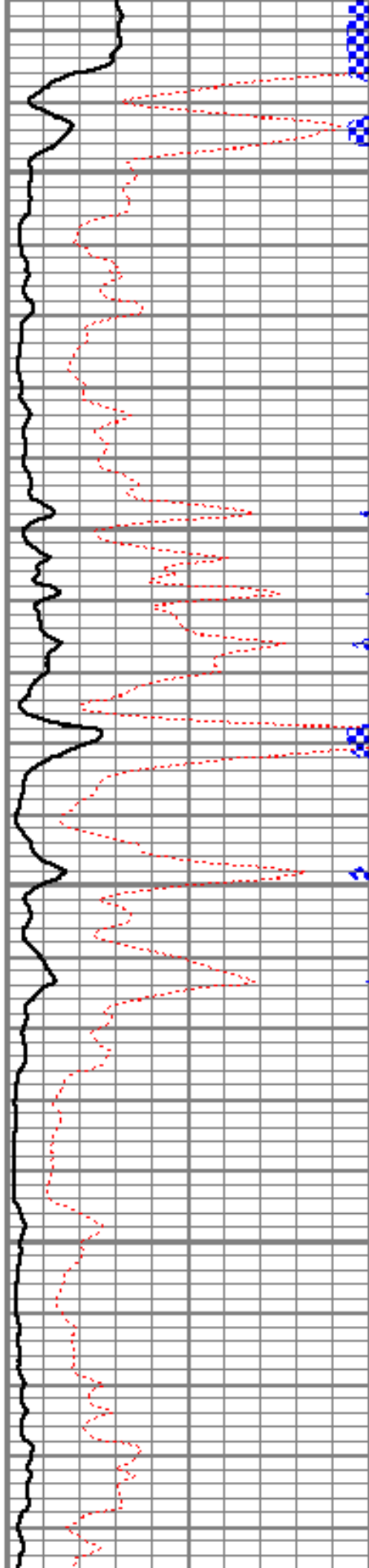


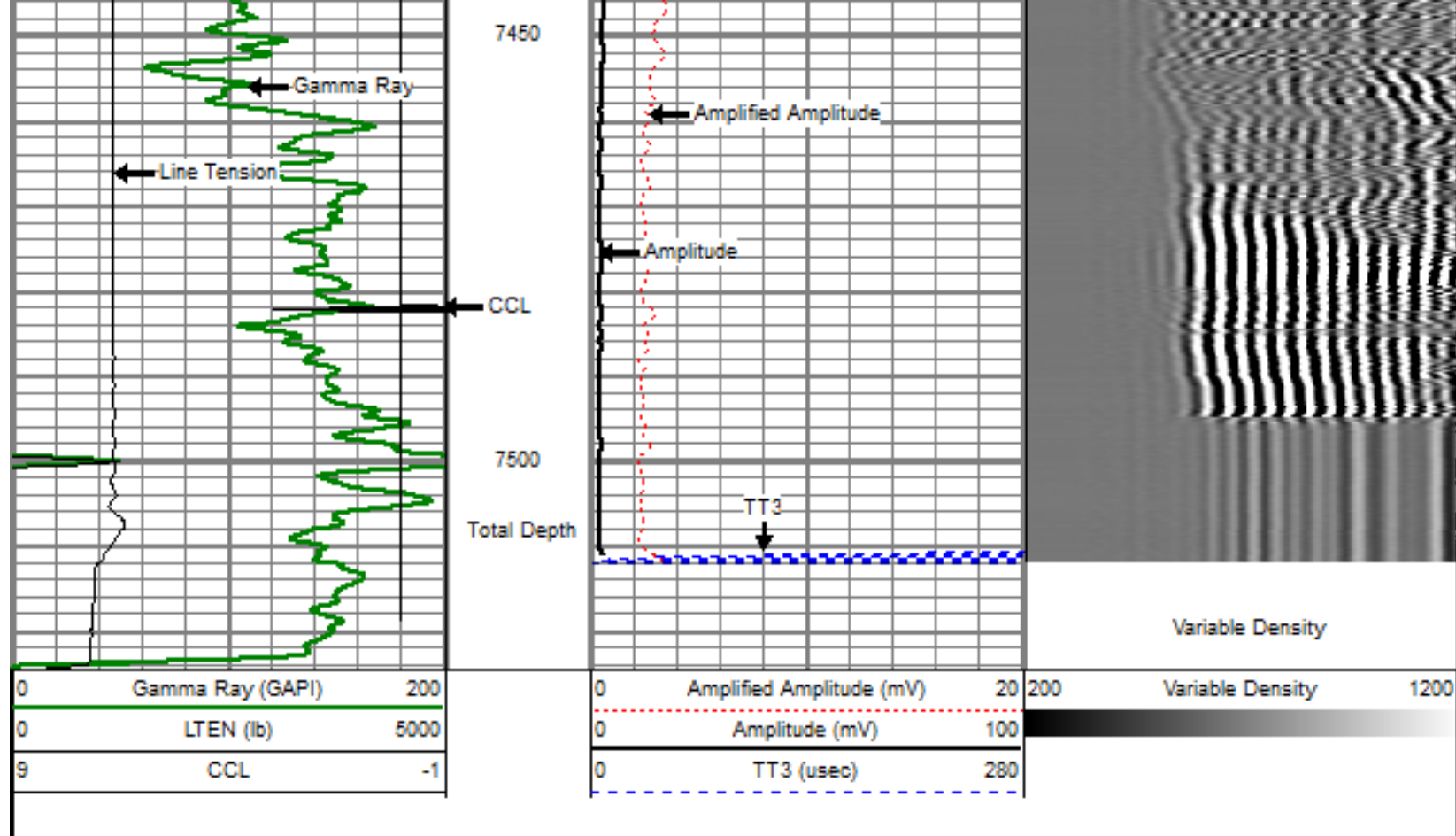
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7300

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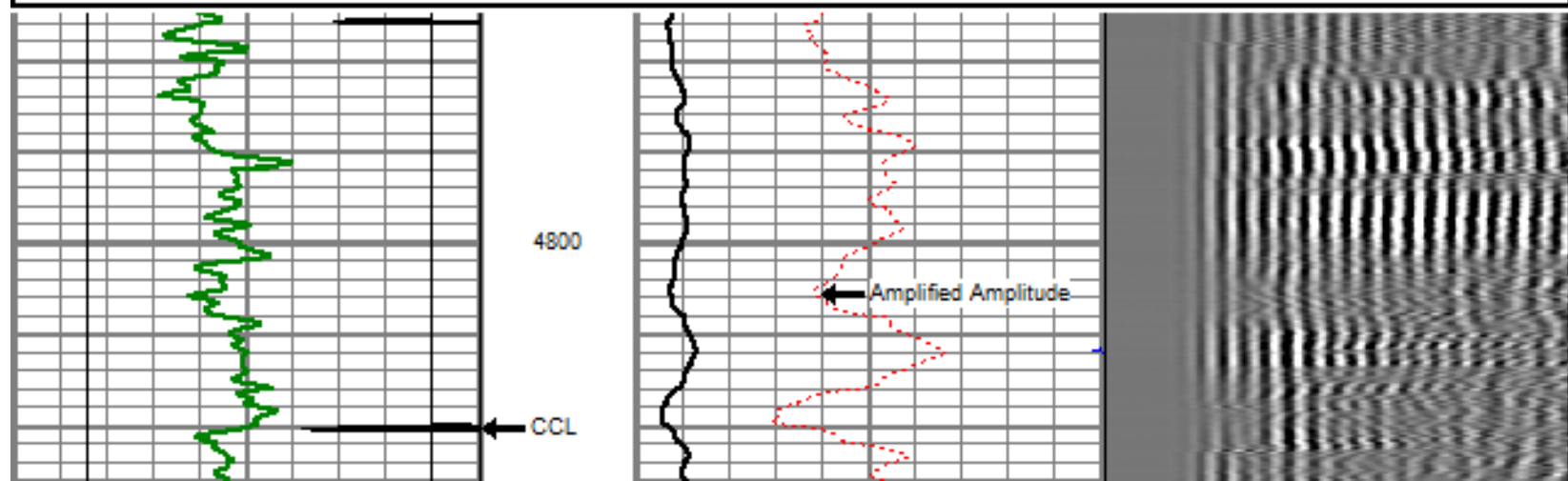
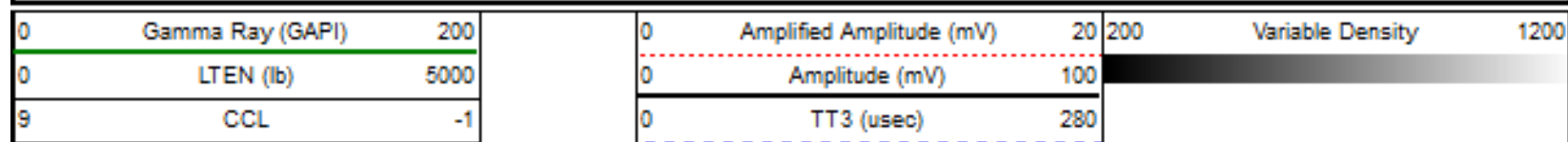


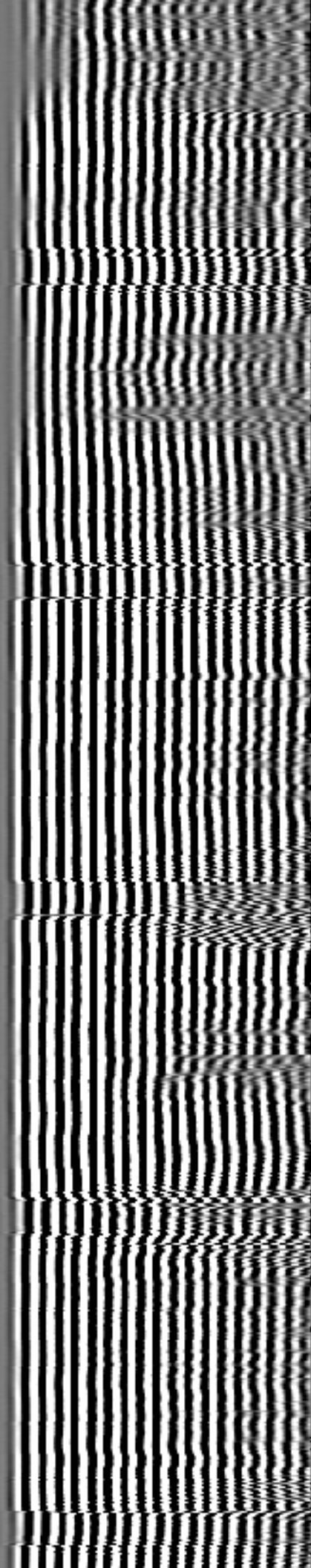
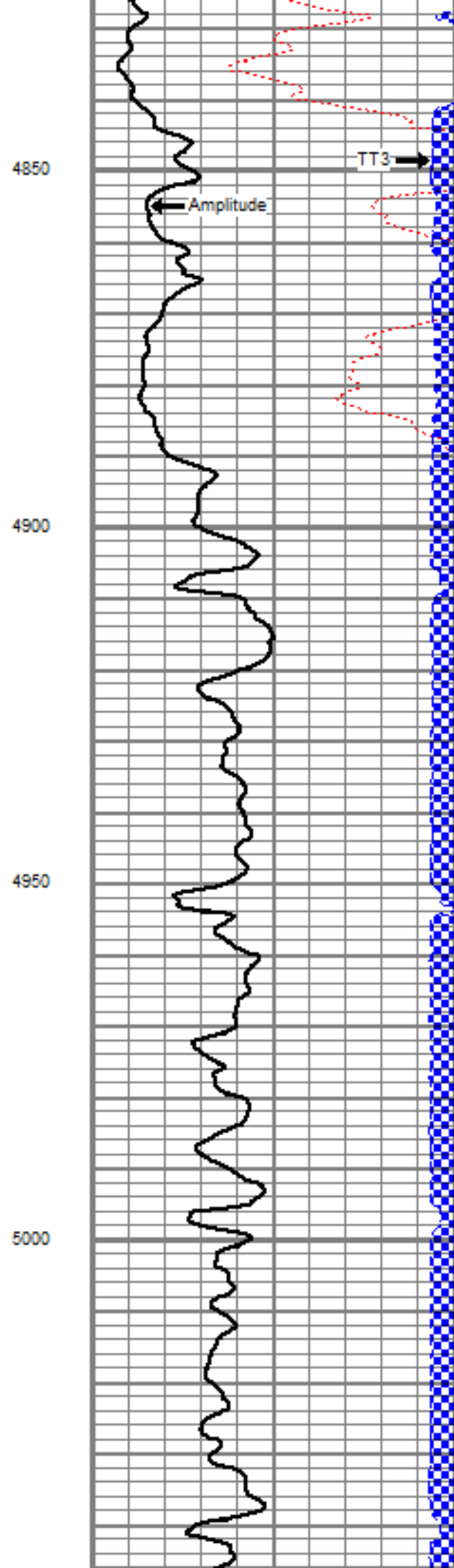
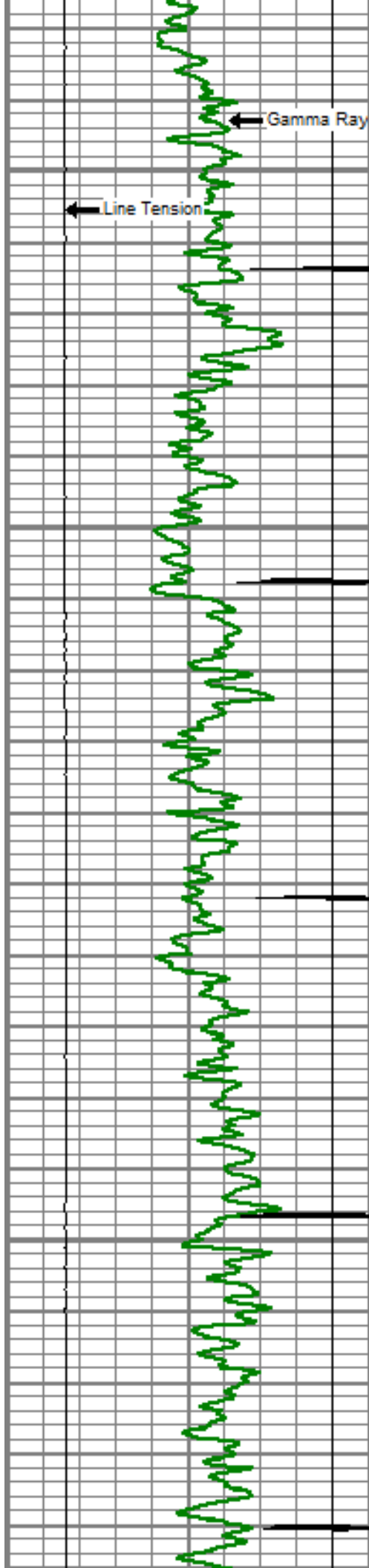


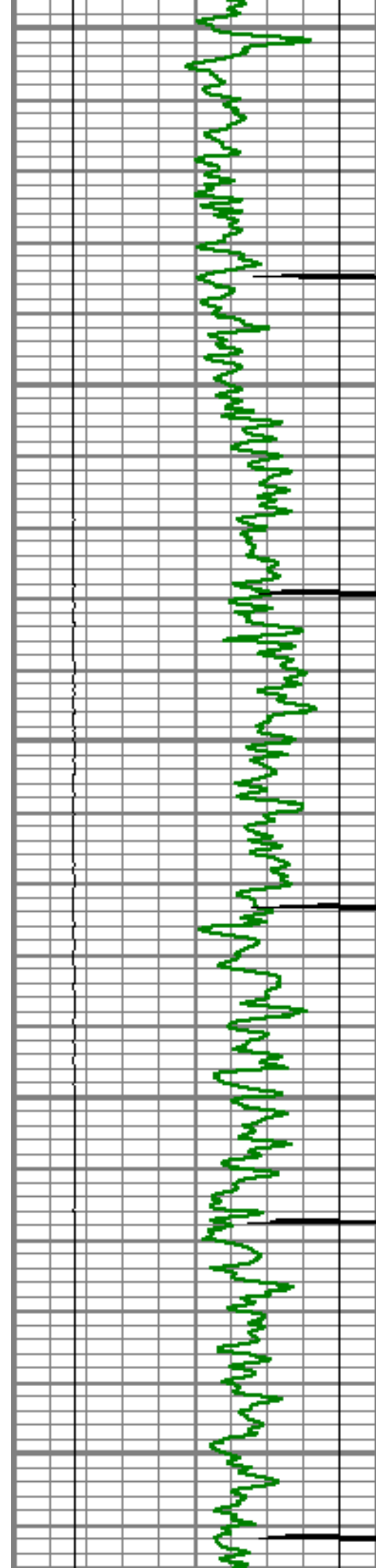
PASS LOGGED UNDER 1000 PSI

5" = 1000'

Database File: schlotthauer13-23.db
 Dataset Pathname: pass9psiOH
 Presentation Format: dobl_prb
 Dataset Creation: Mon Apr 09 15:02:37 2012
 Charted by: Depth in Feet scaled 1:240







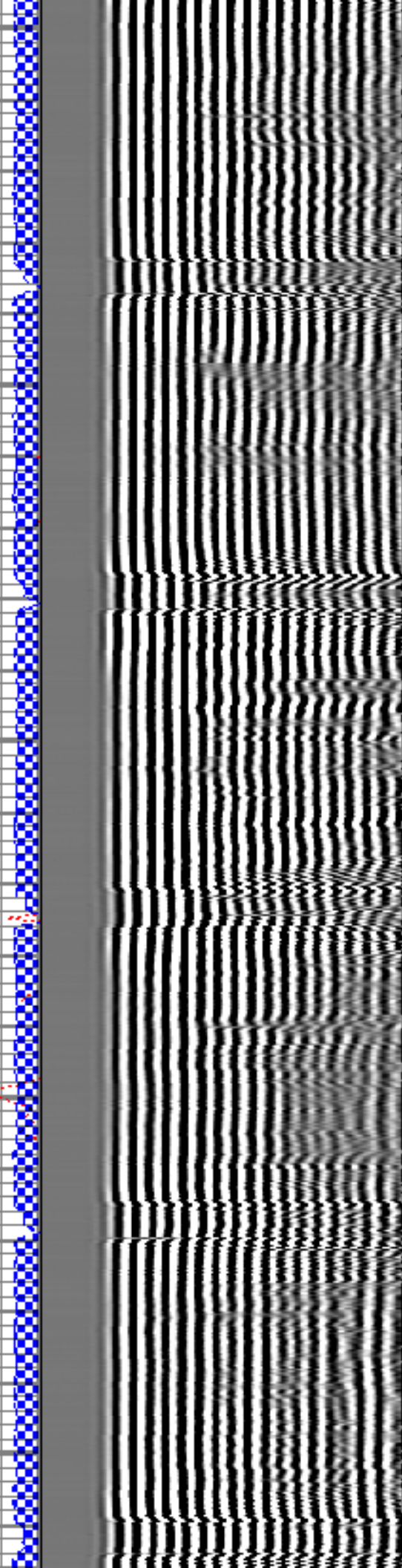
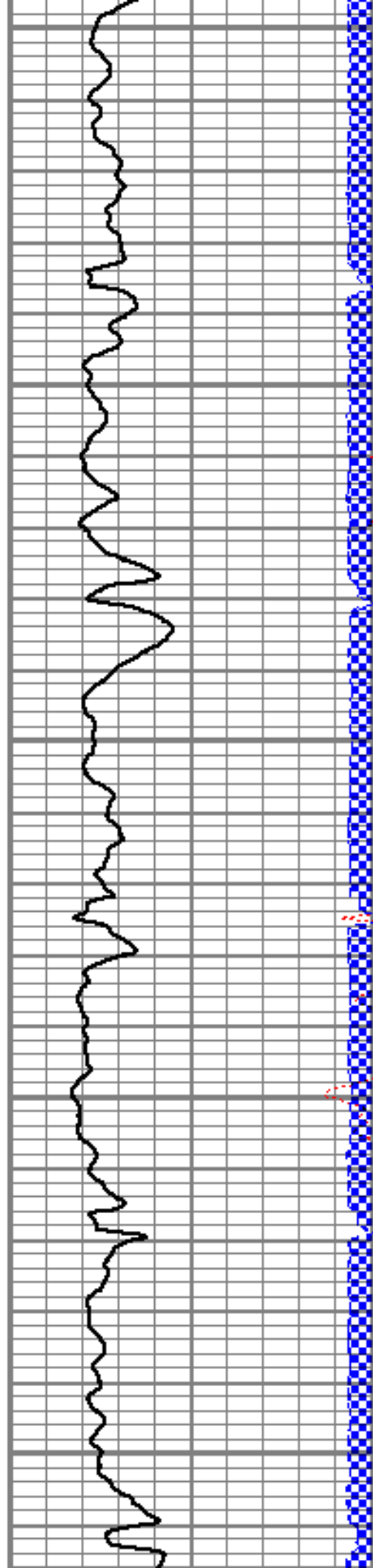
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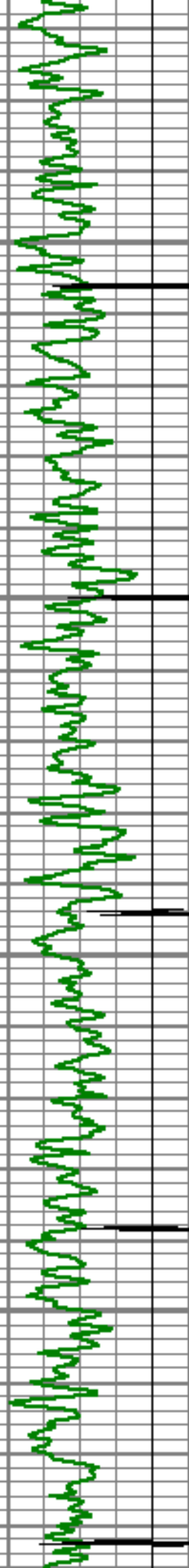
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5150

5200

5250



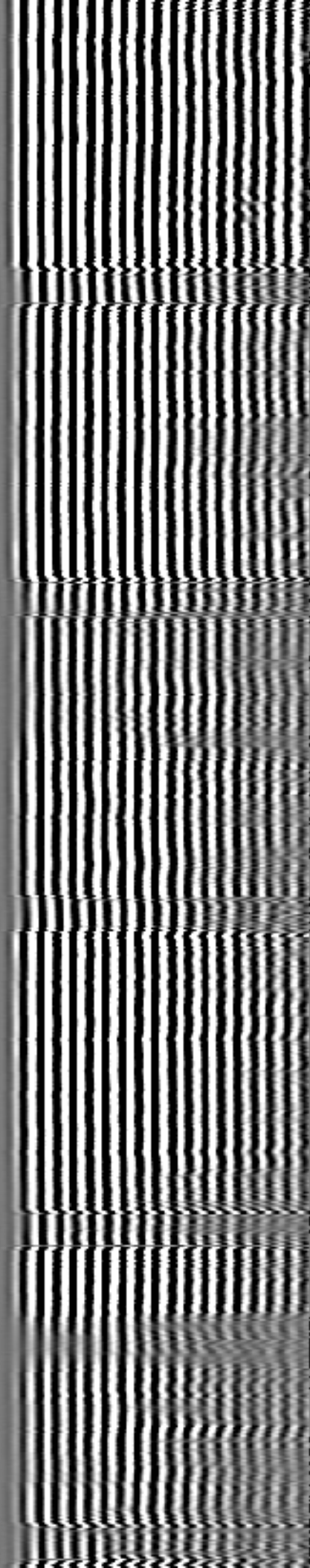
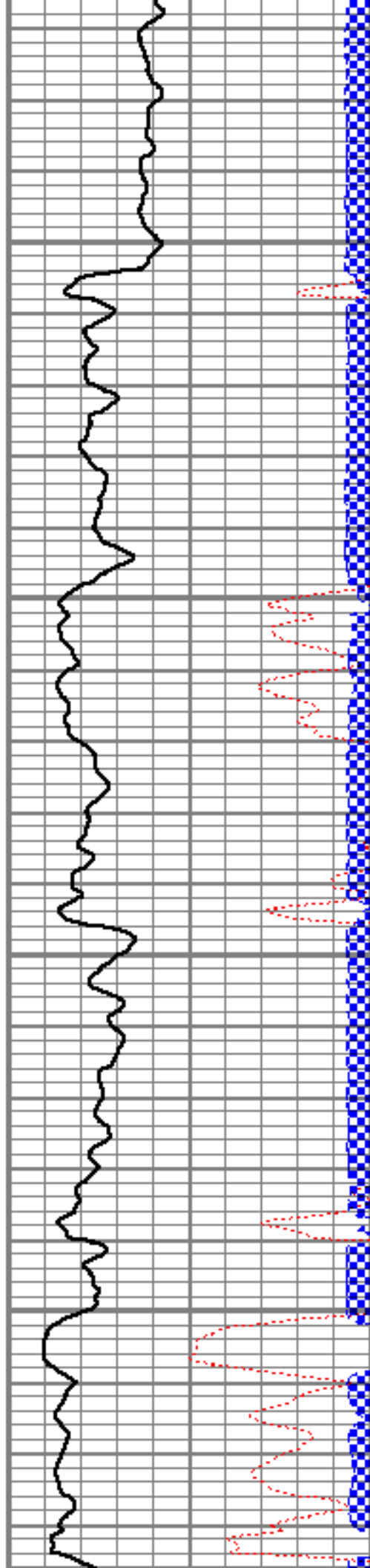


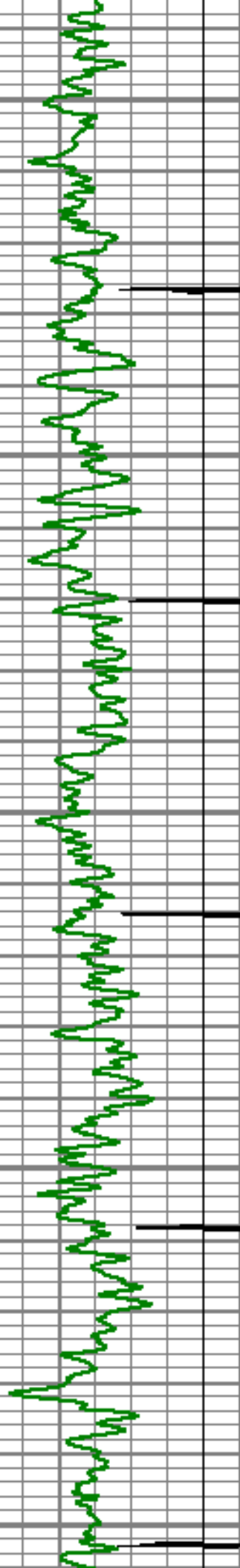
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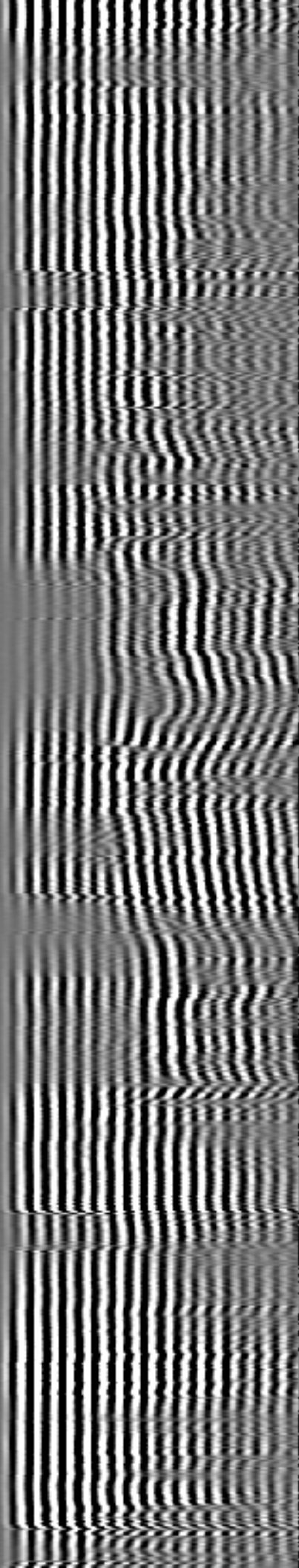
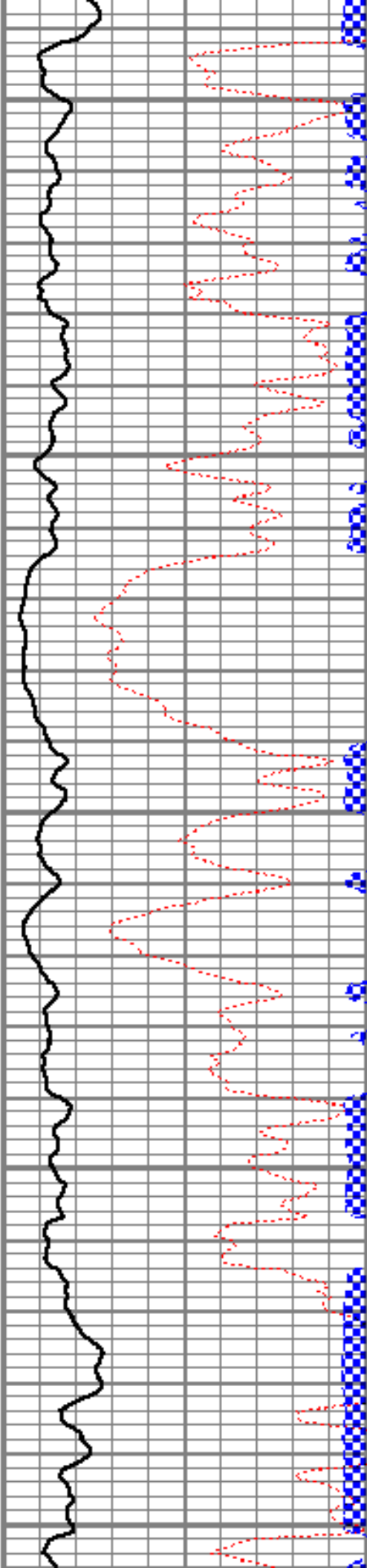
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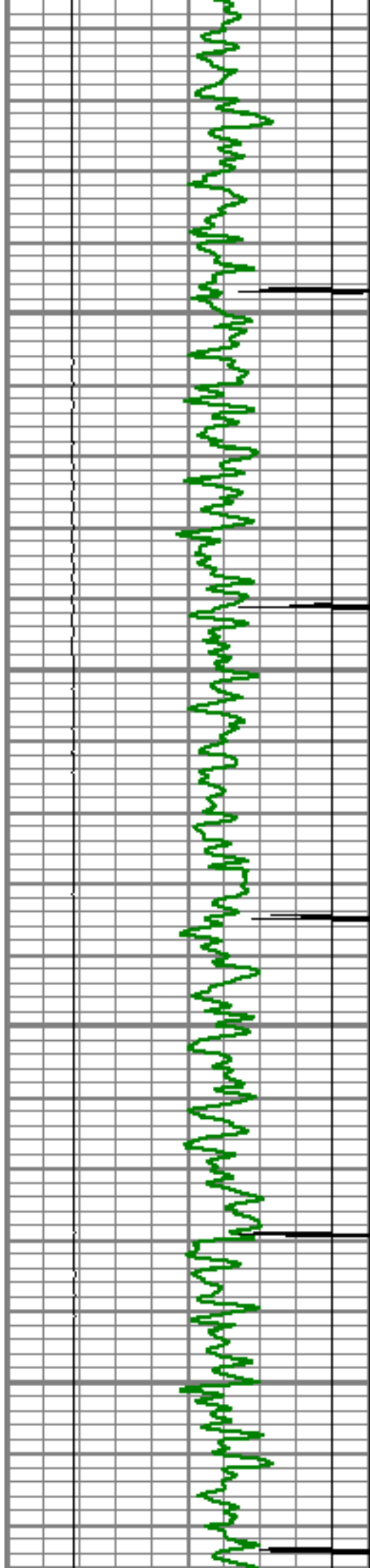
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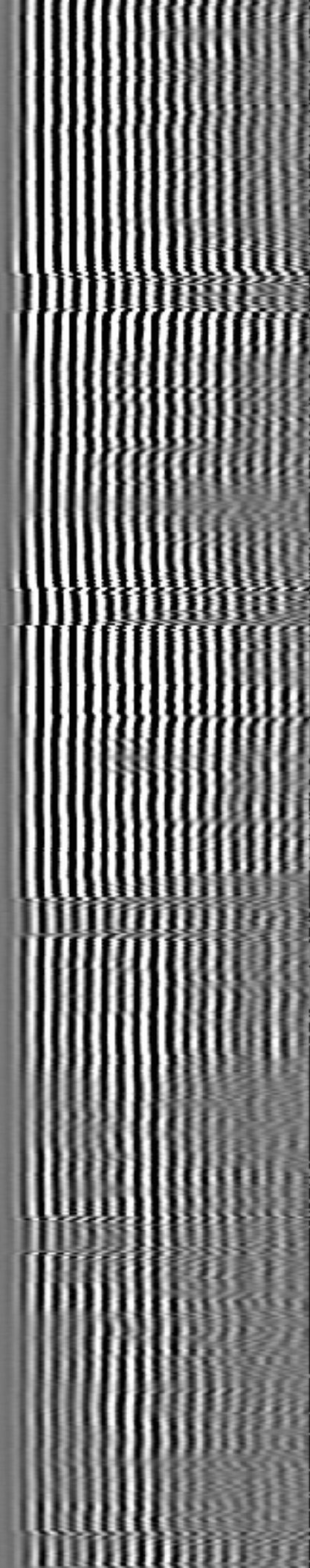
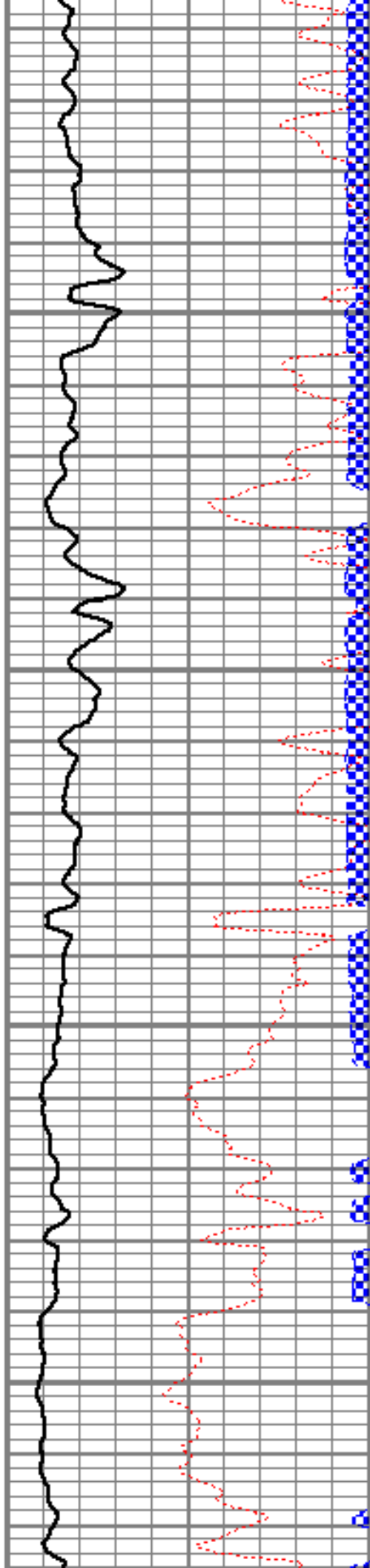


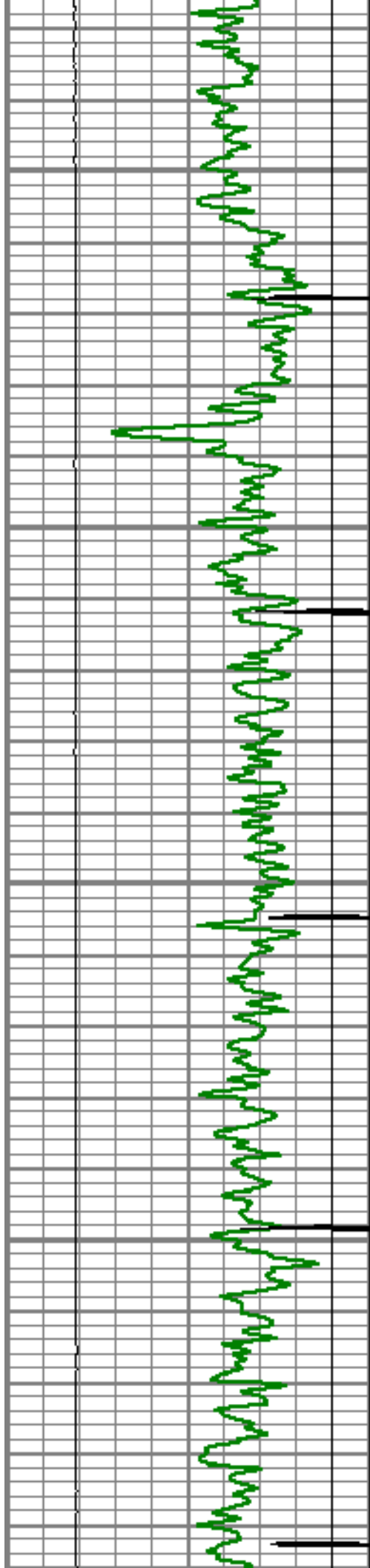
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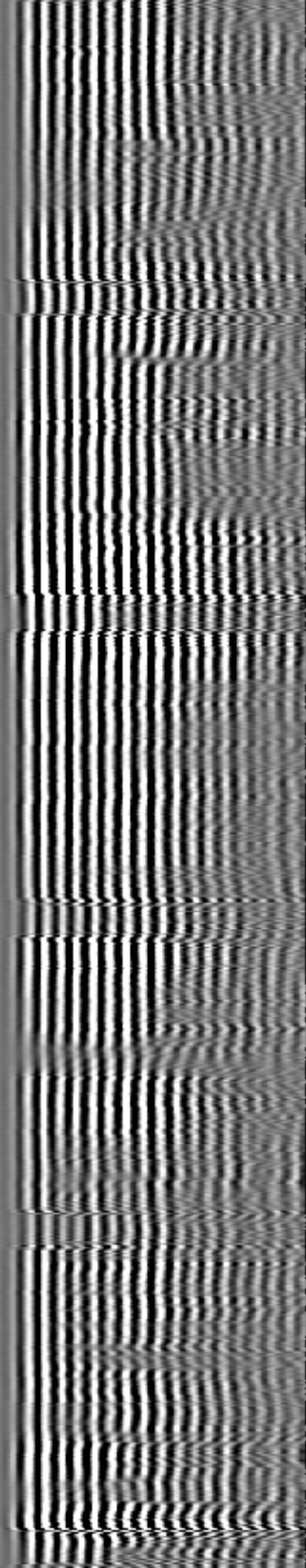
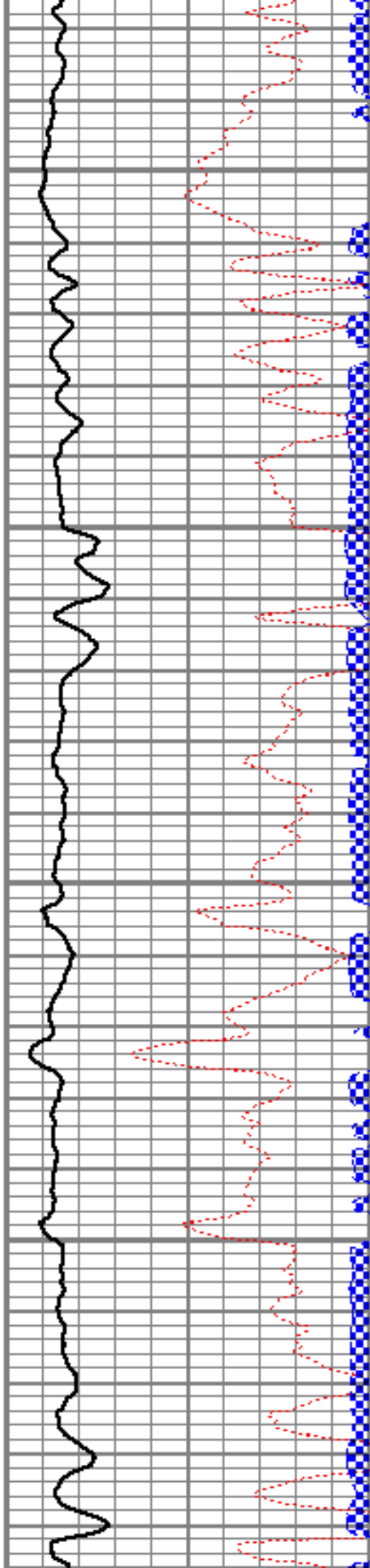


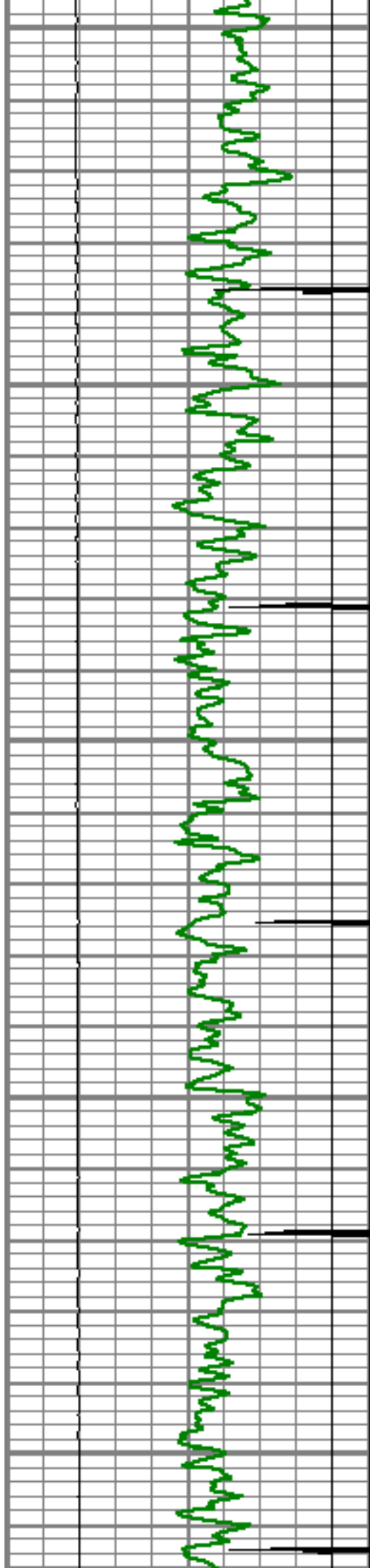
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6000

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6100





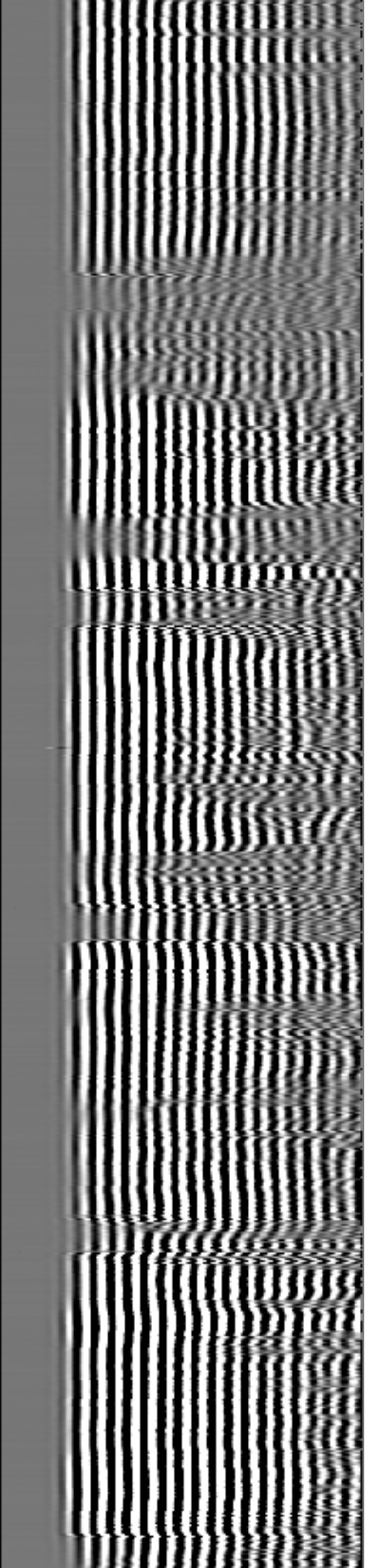
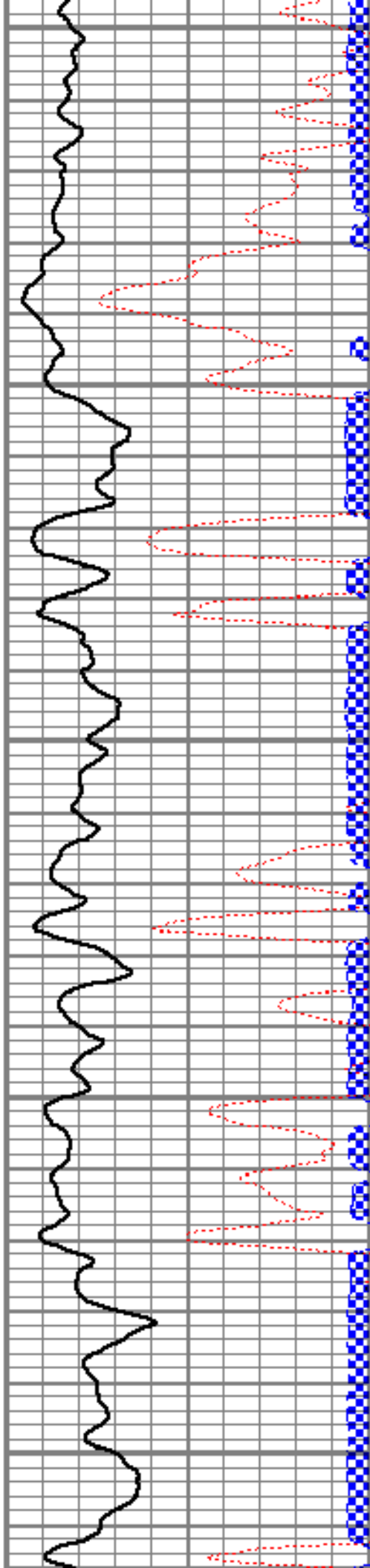
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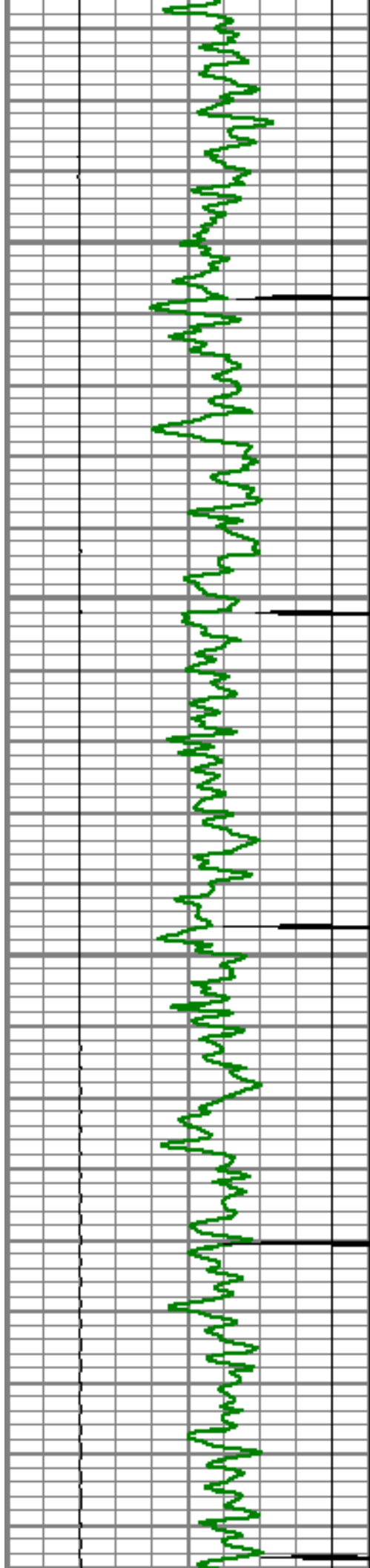
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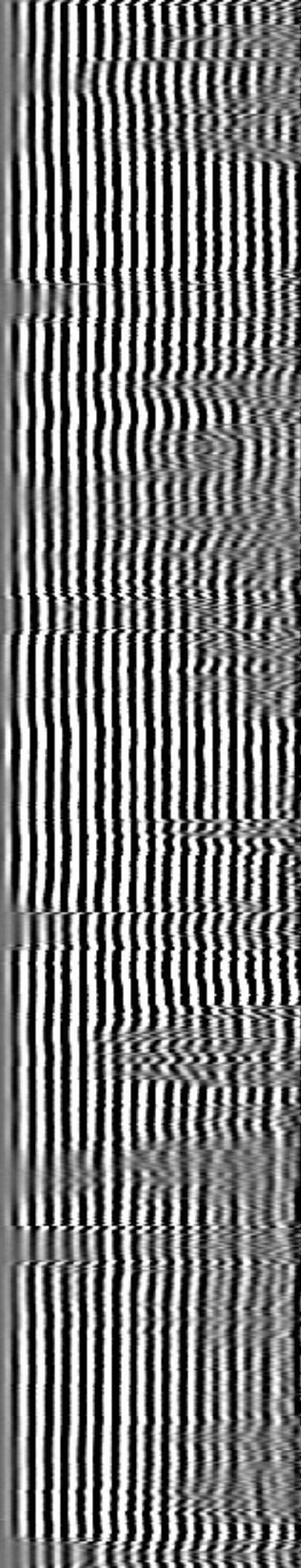
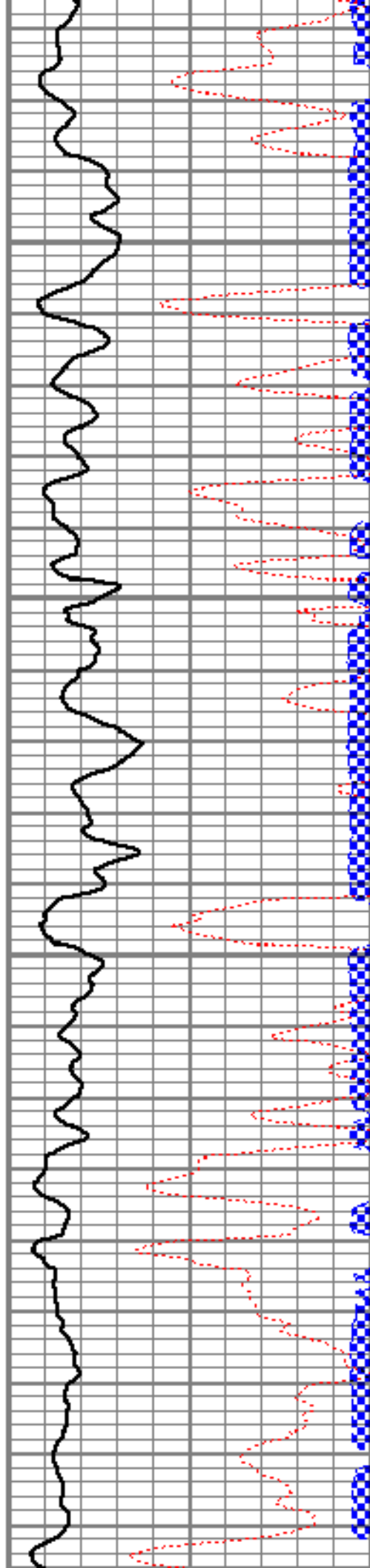


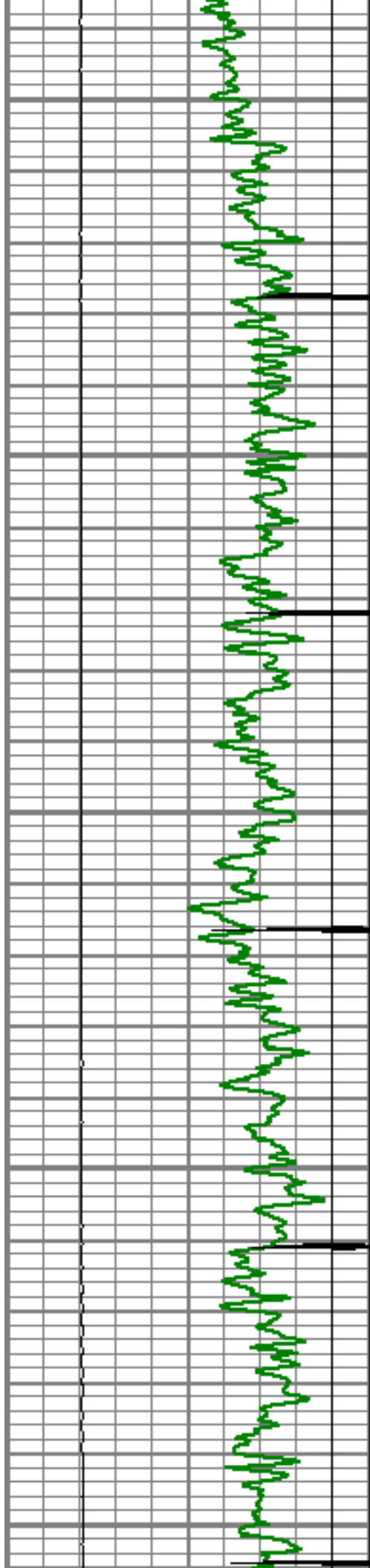
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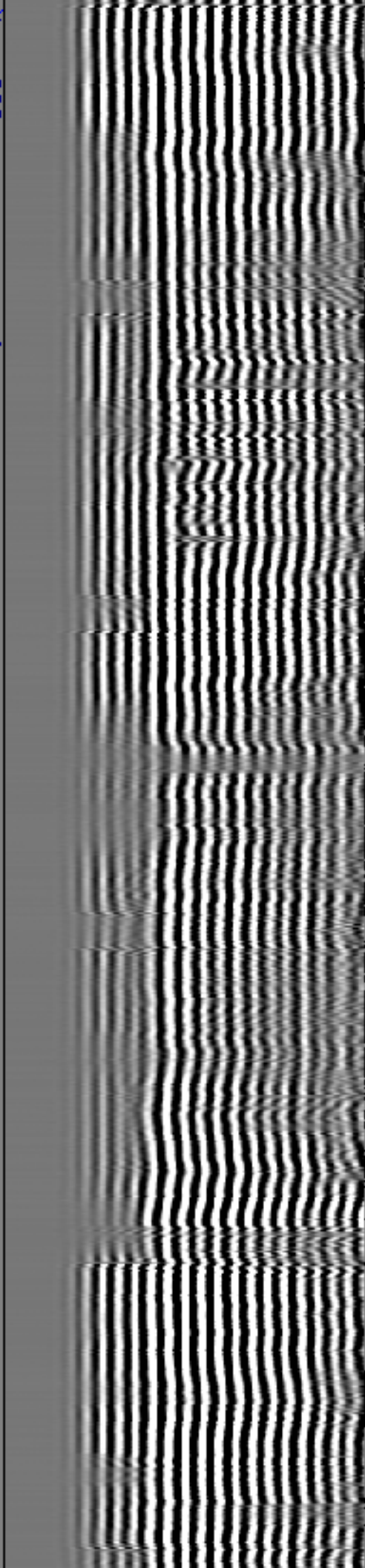
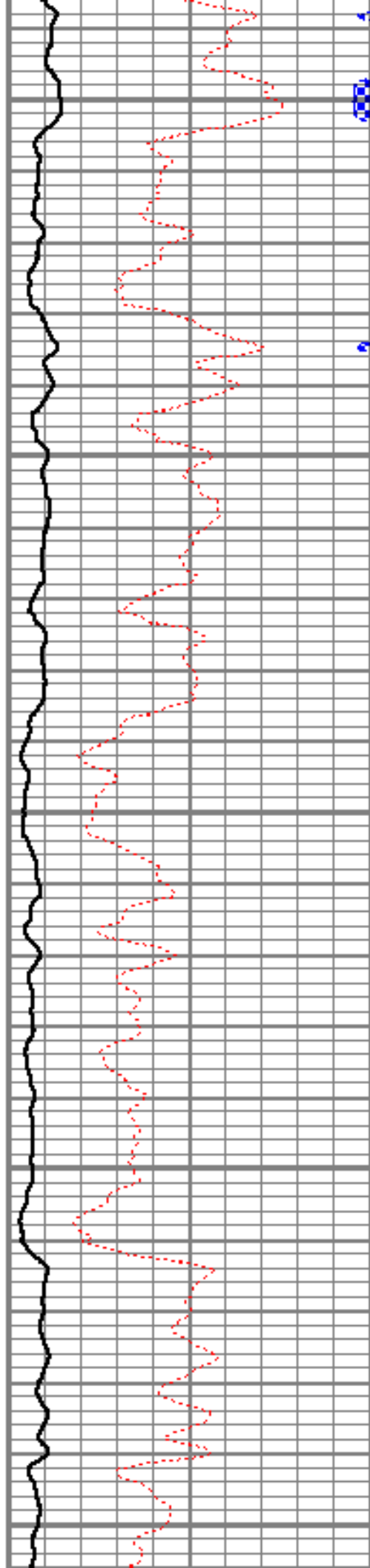
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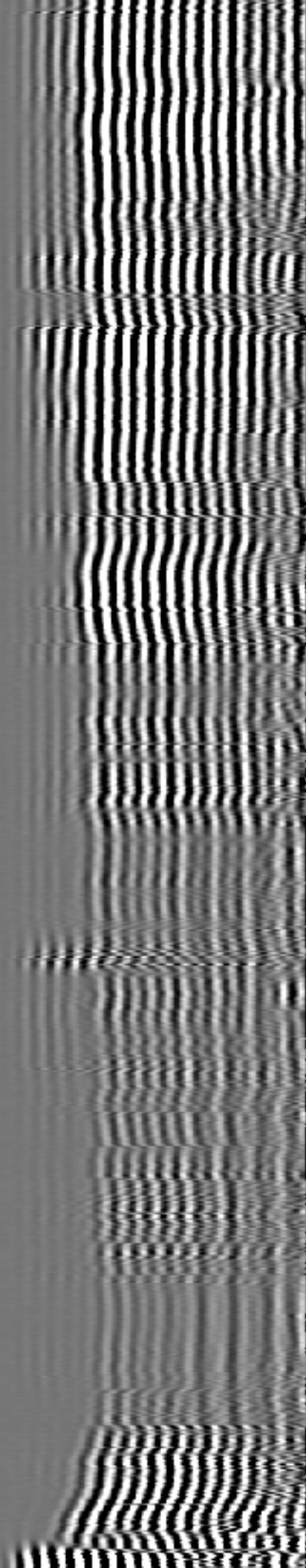
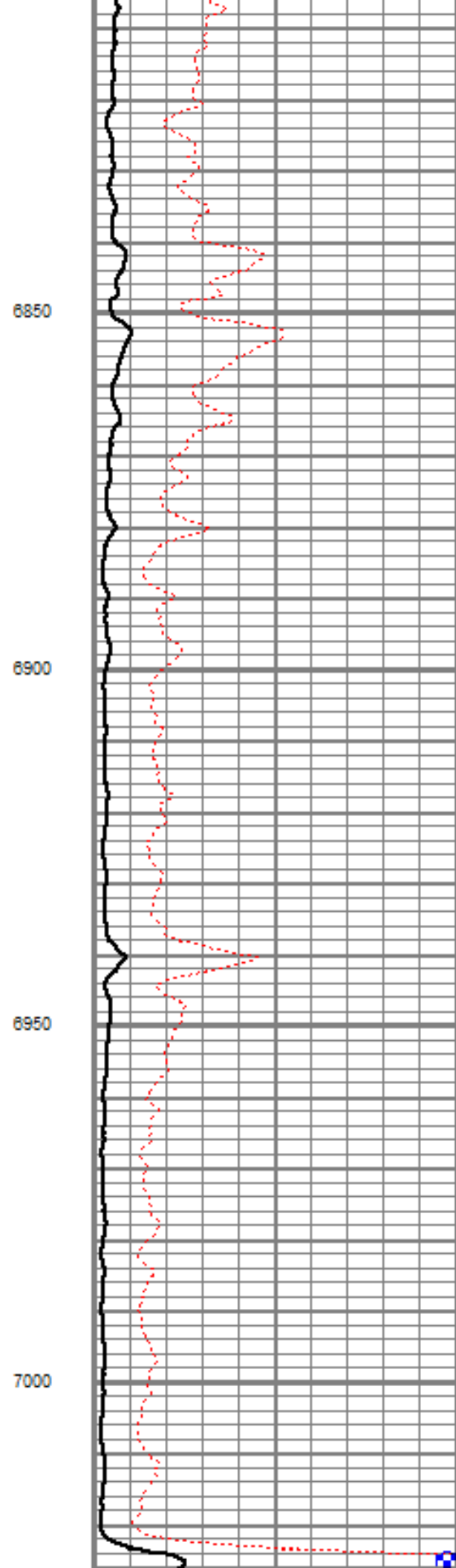
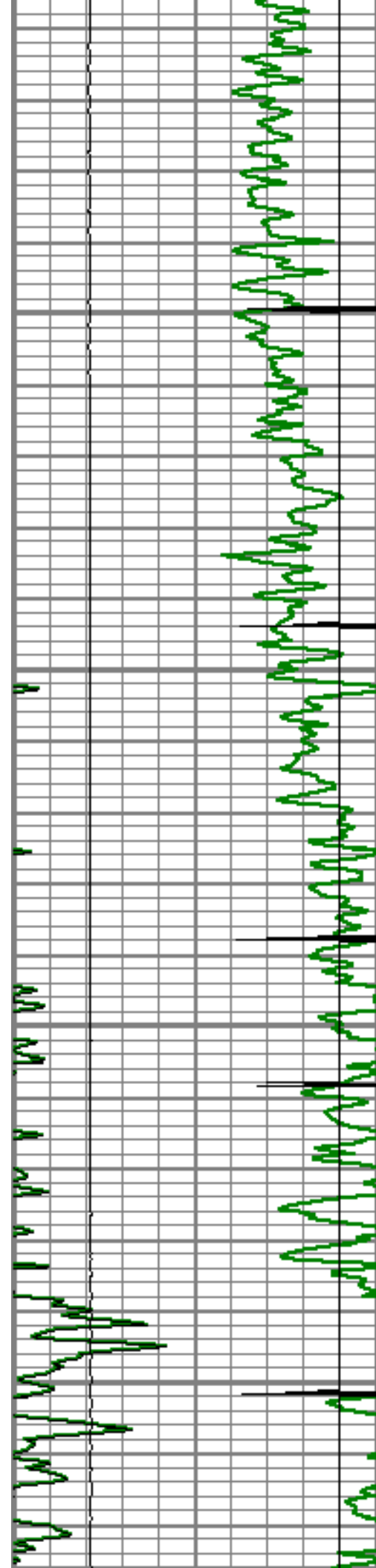
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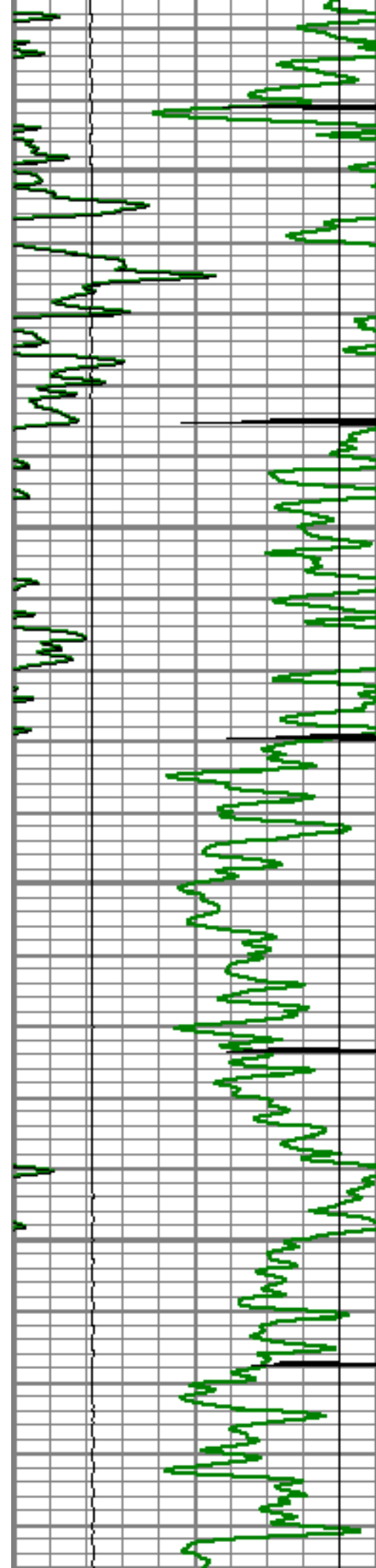
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6800





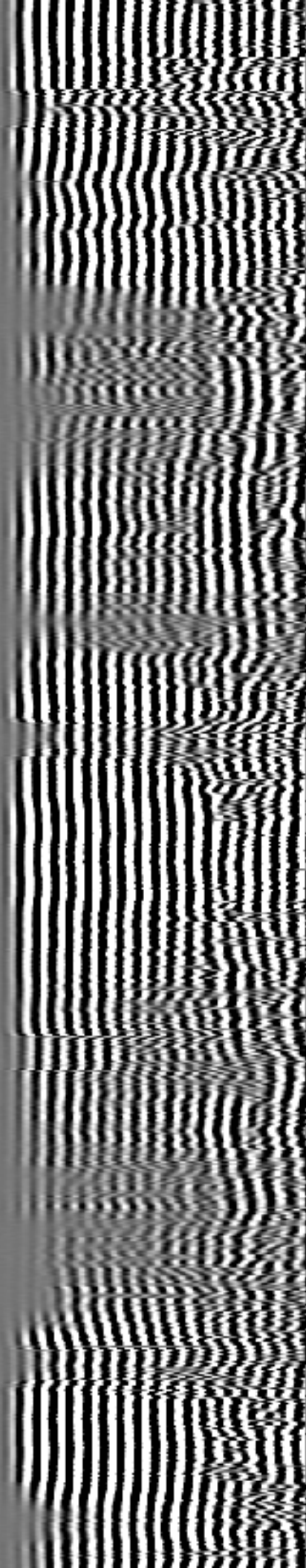
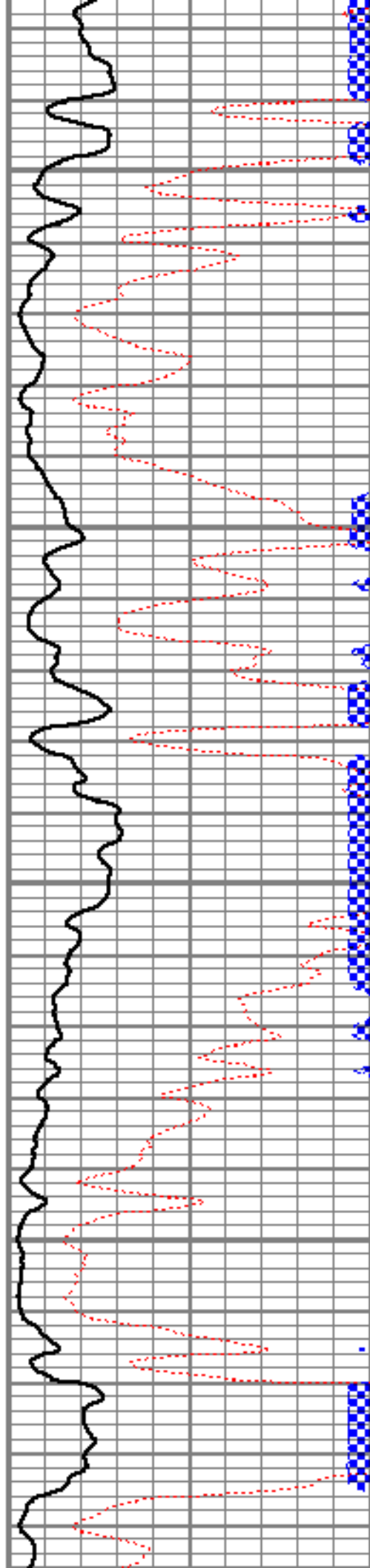


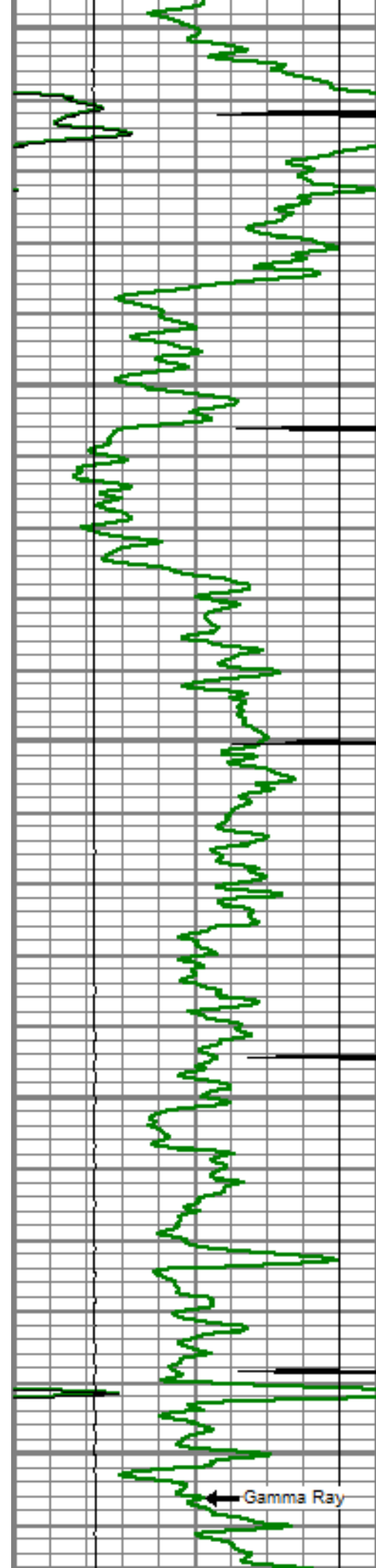
7050

7100

7150

7200





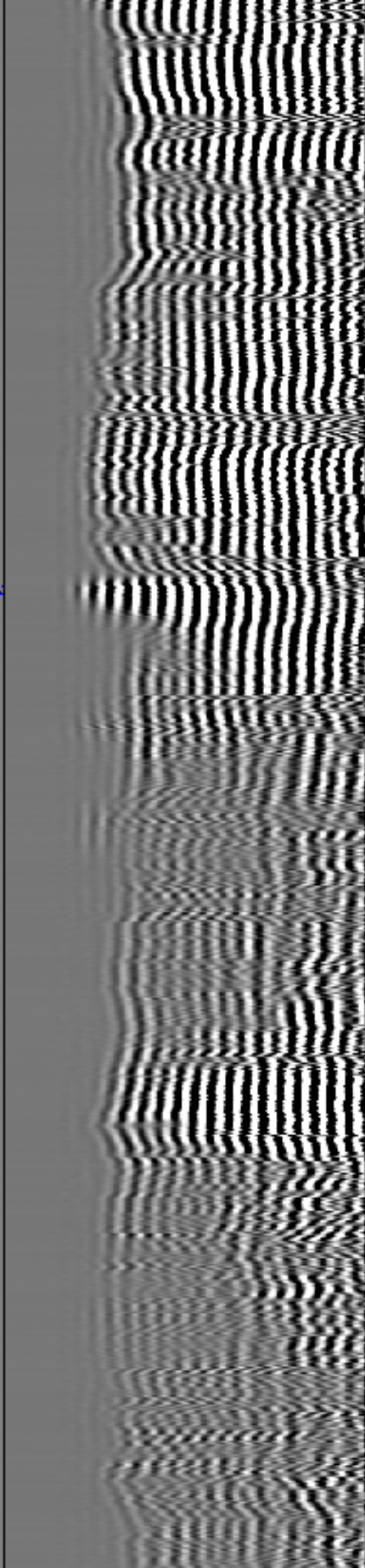
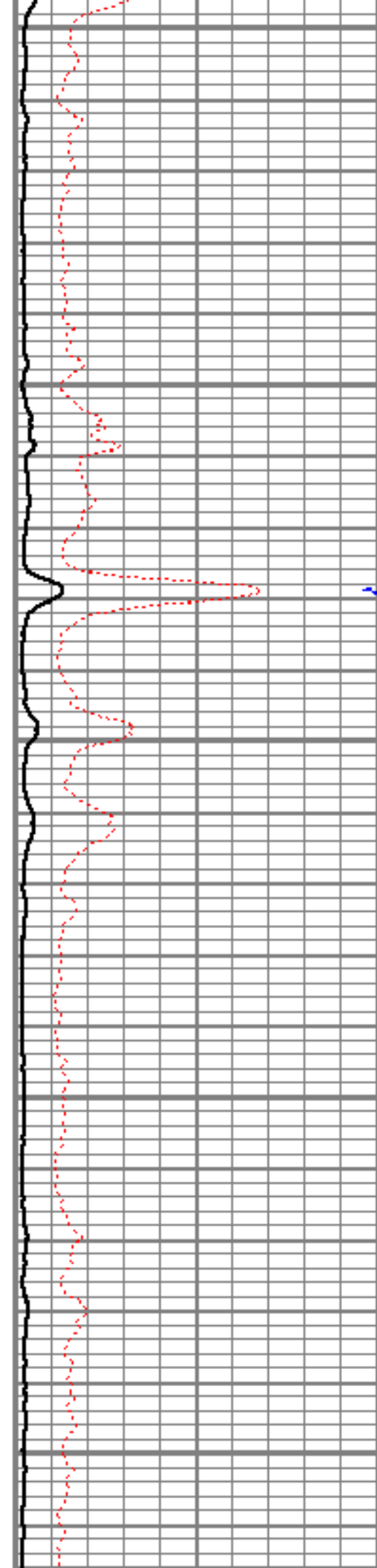
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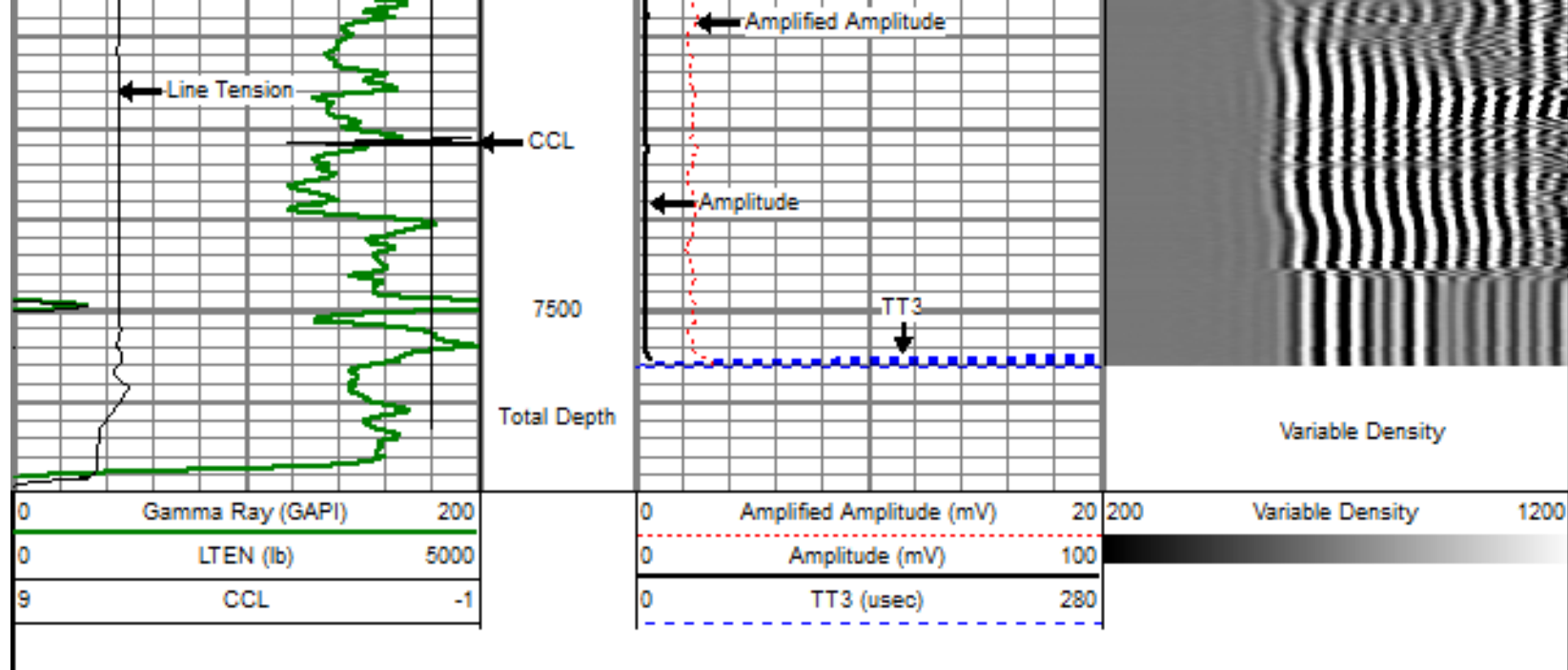
7300

7350

7400

7450



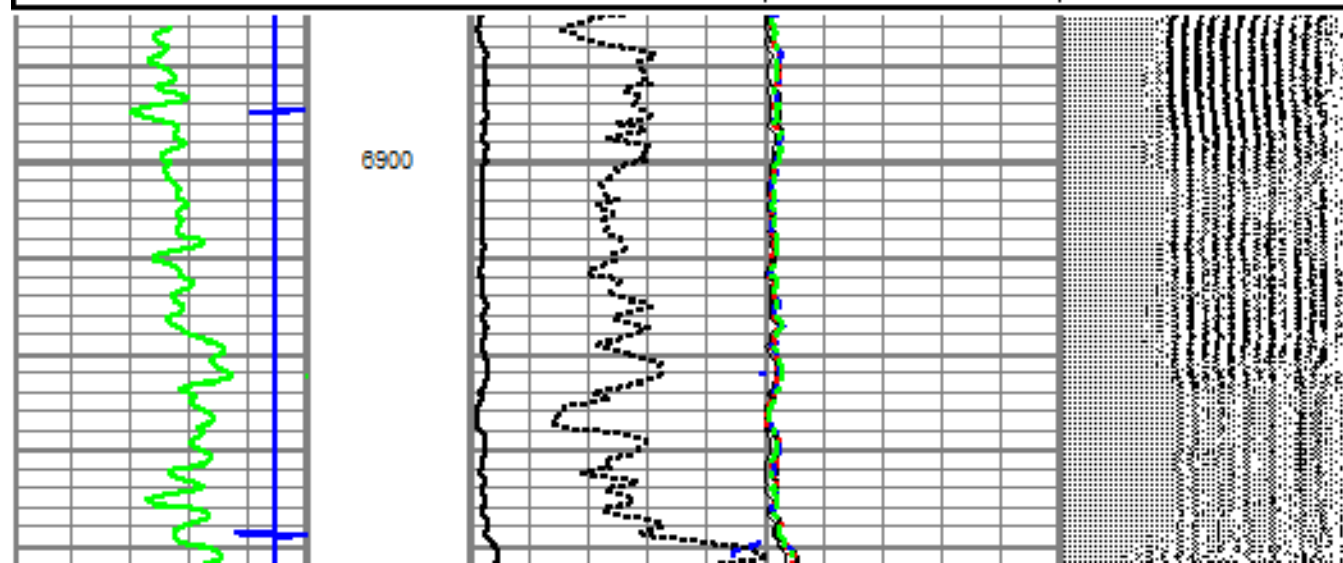


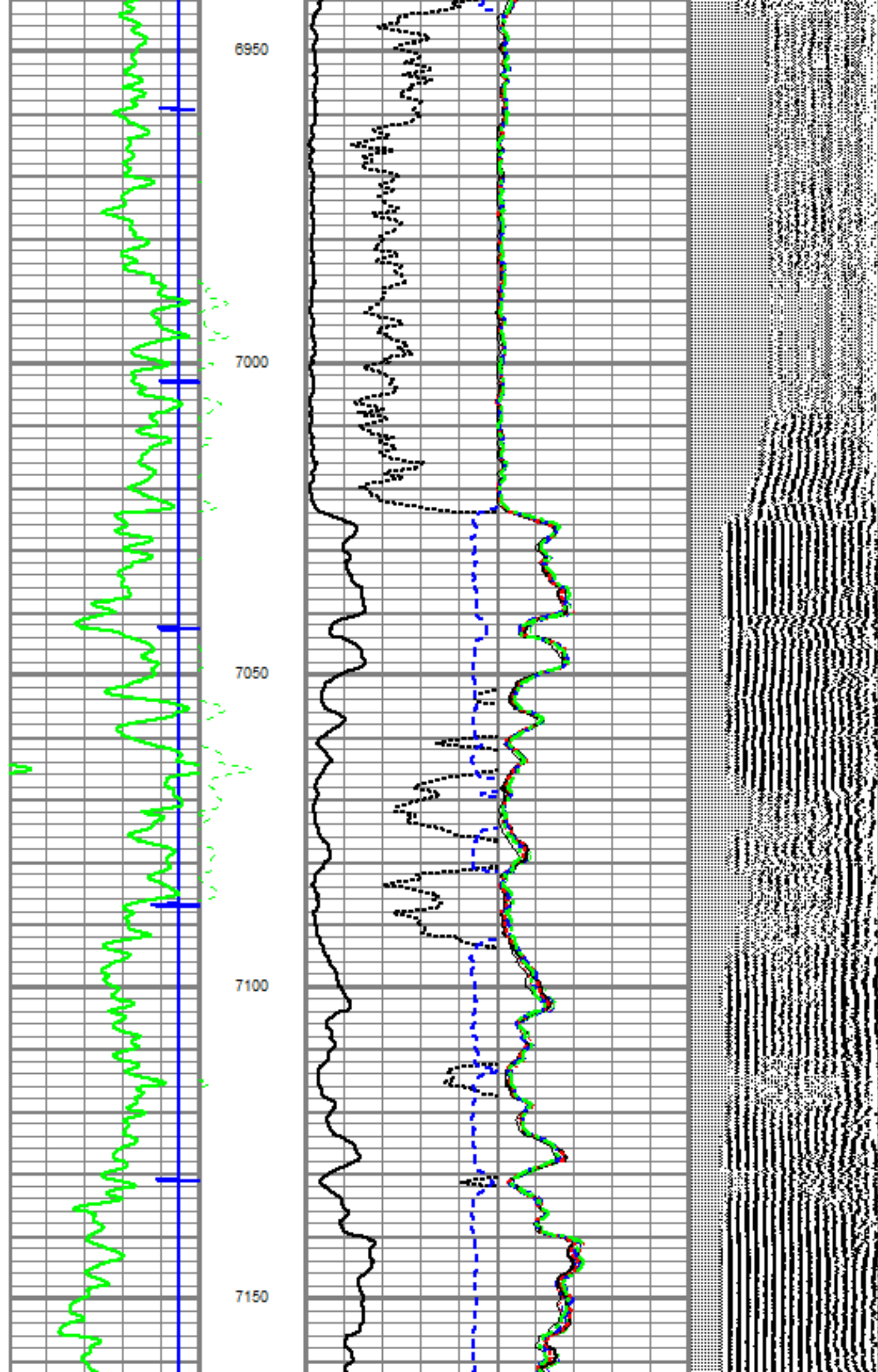
PASS RAN UNDER 1000 PSI (RADIAL TOOL)

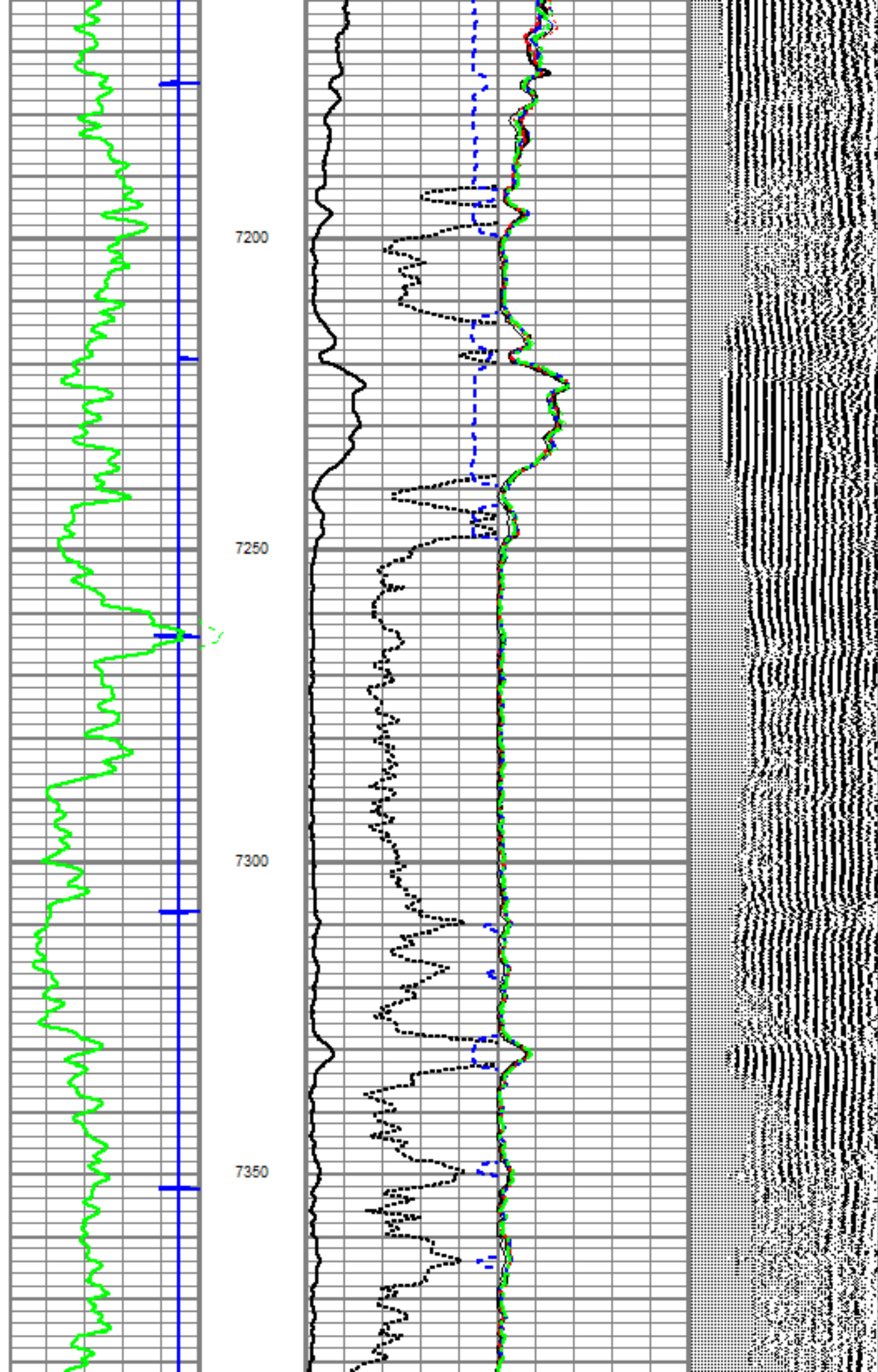
5" = 100'

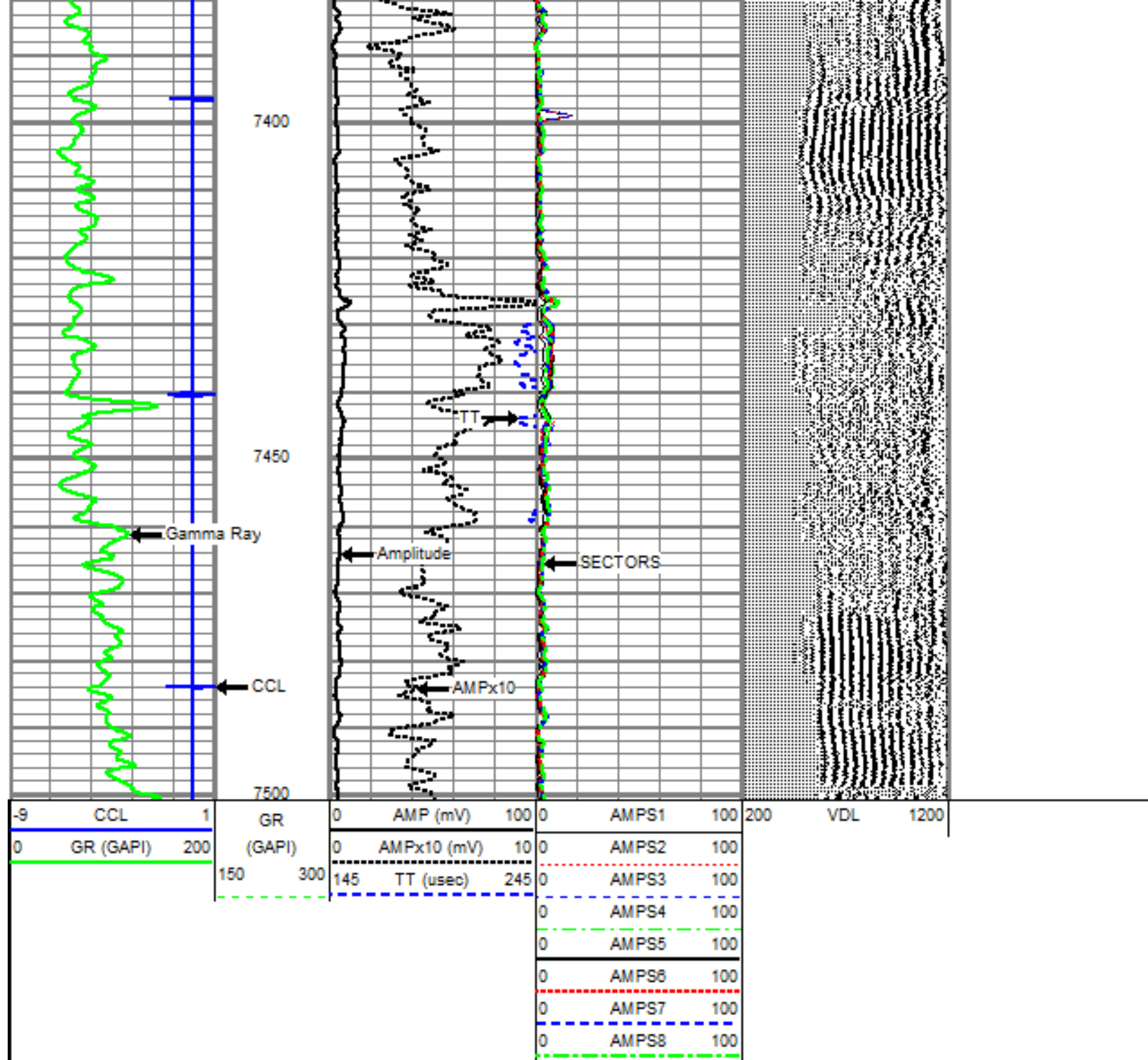
Database File: schlotthauer13-23.db
 Dataset Pathname: pass16
 Presentation Format: sobl_inc
 Dataset Creation: Mon Apr 09 17:08:21 2012 by Log Std Casedhole 09061
 Charted by: Depth in Feet scaled 1:240

-9	CCL	1	GR	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200
0	GR (GAPI)	200	(GAPI)	0	AMPx10 (mV)	10	0	AMPS2	100			
			150	300	145	TT (usec)	245	0	AMPS3	100		
								0	AMPS4	100		
								0	AMPS5	100		
								0	AMPS6	100		
								0	AMPS7	100		
								0	AMPS8	100		







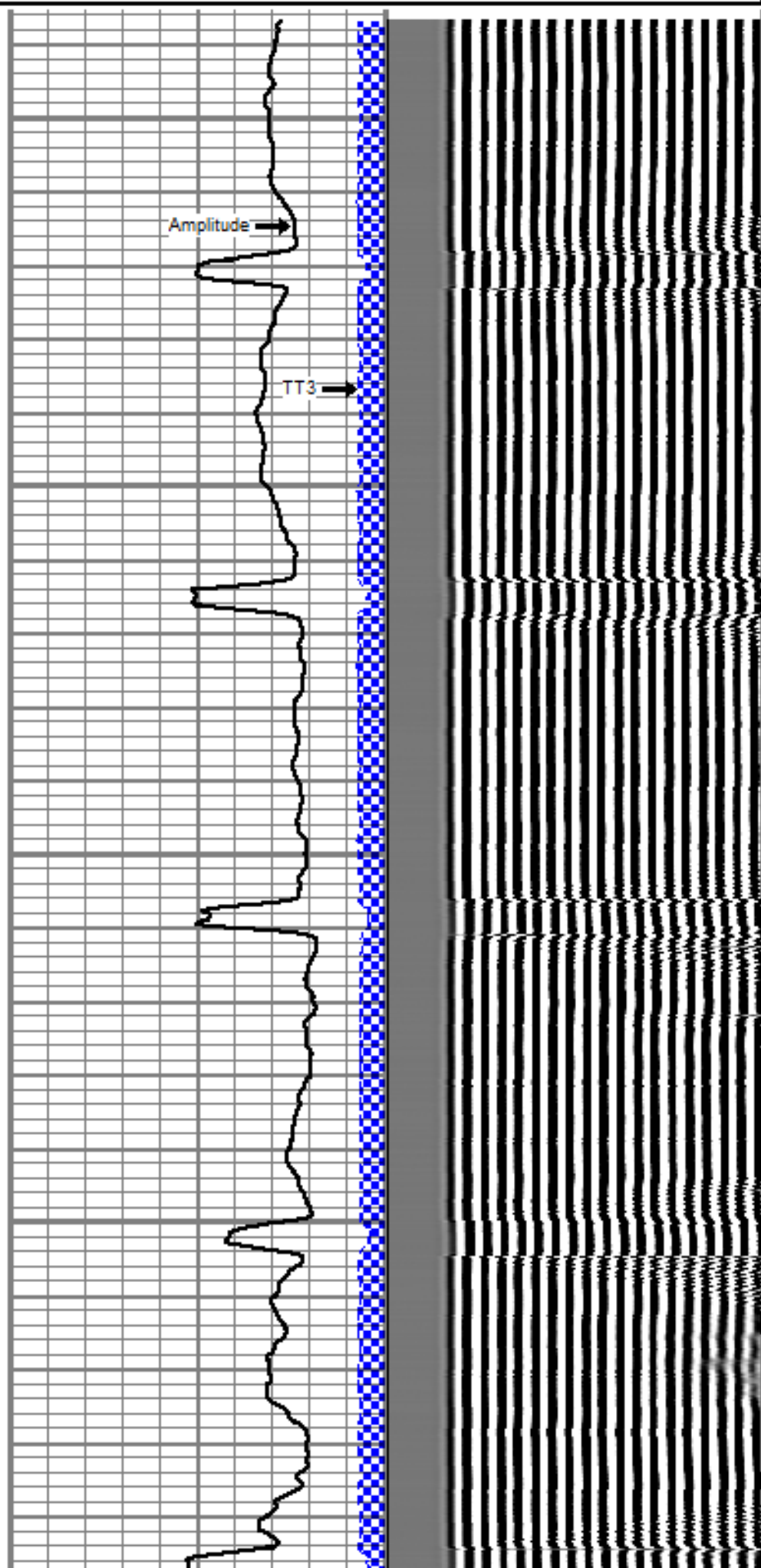
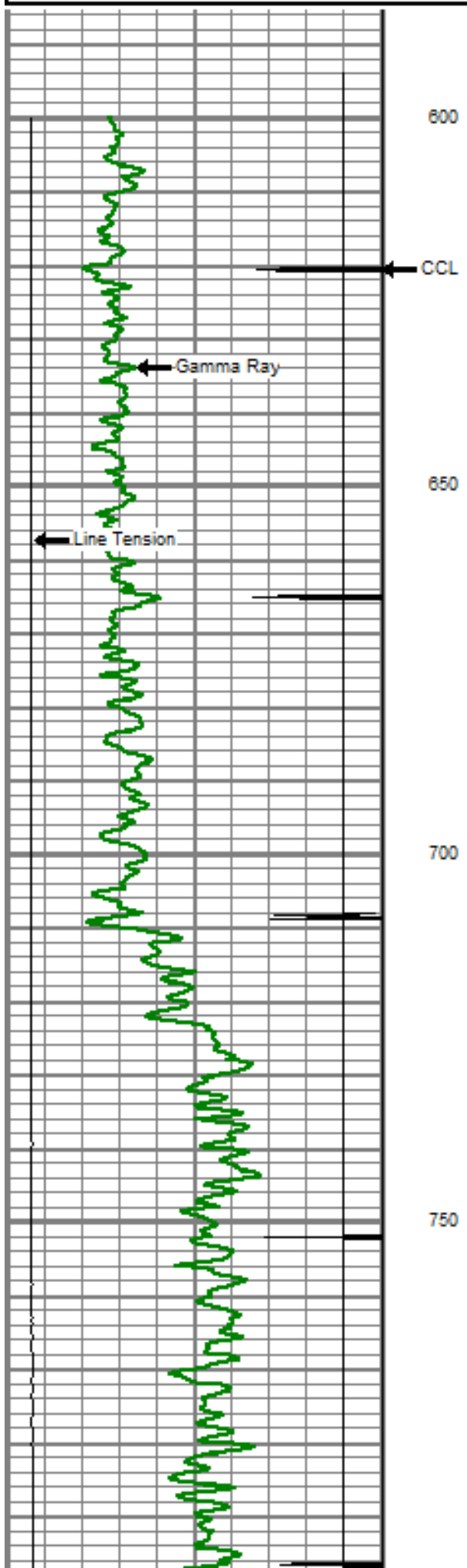


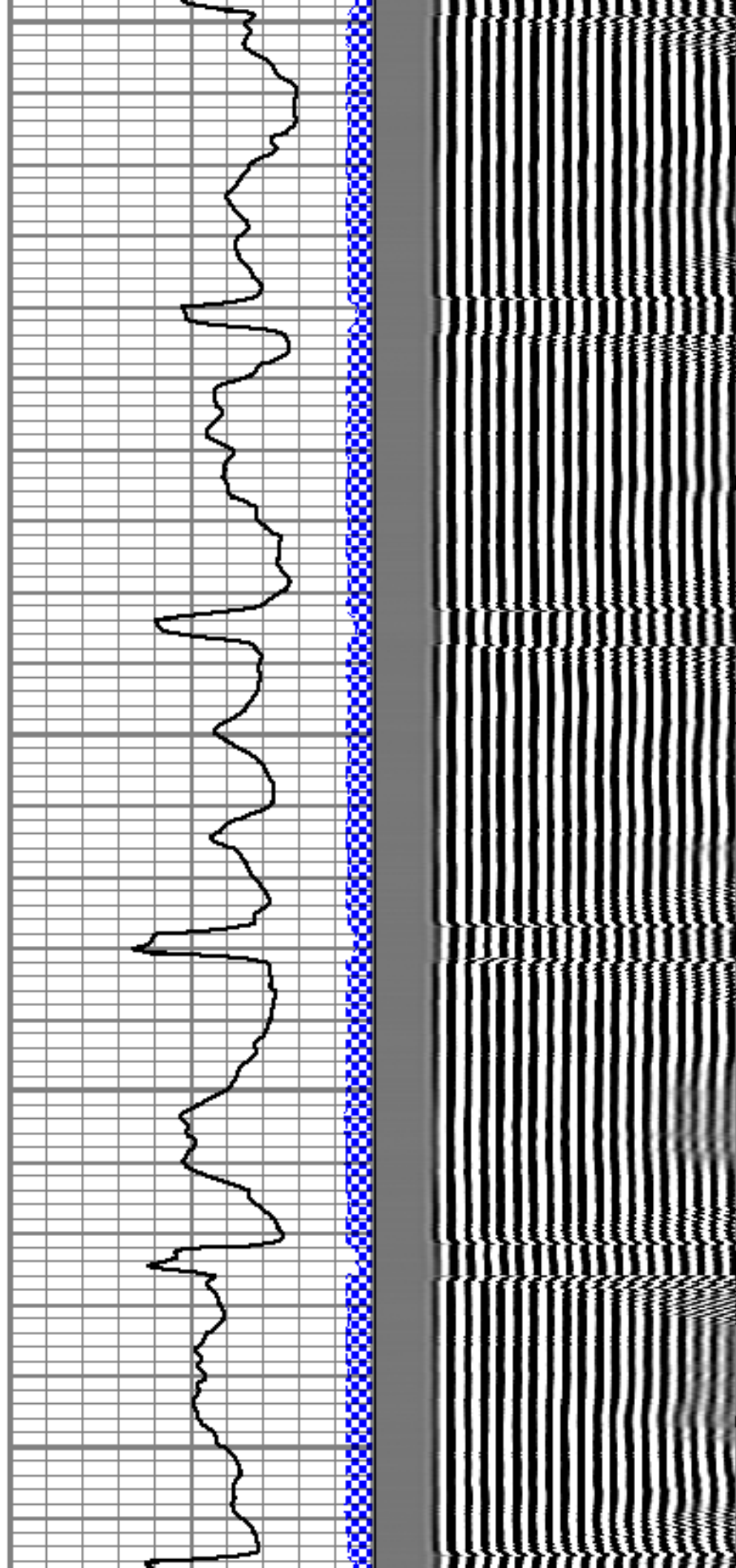
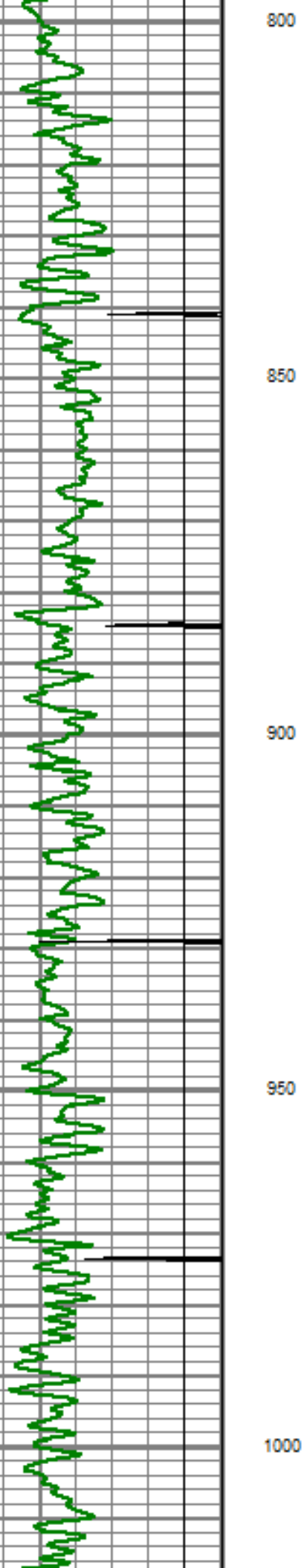
MAIN PASS

5" = 100'

Database File: schlotthauer13-23.db
 Dataset Pathname: pass8oh
 Presentation Format: dobl_prb
 Dataset Creation: Mon Apr 09 13:55:45 2012
 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			





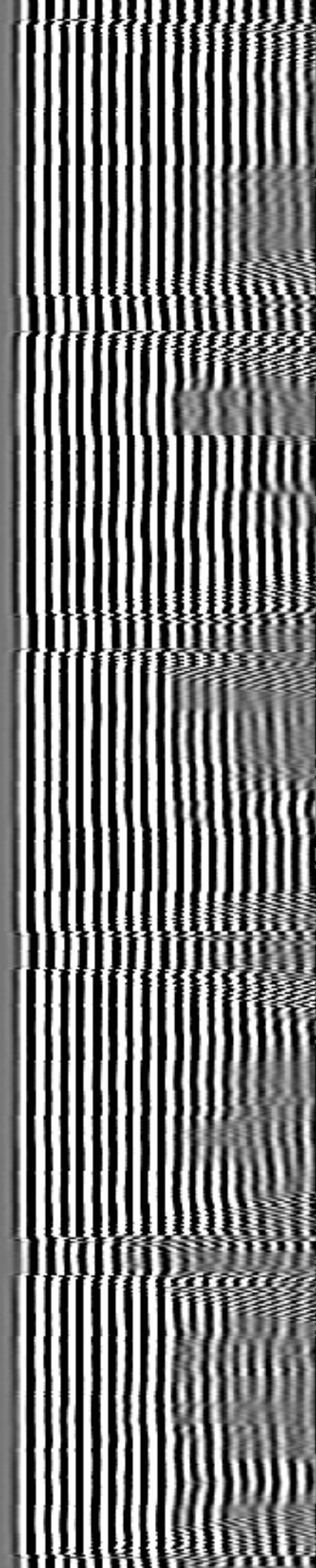
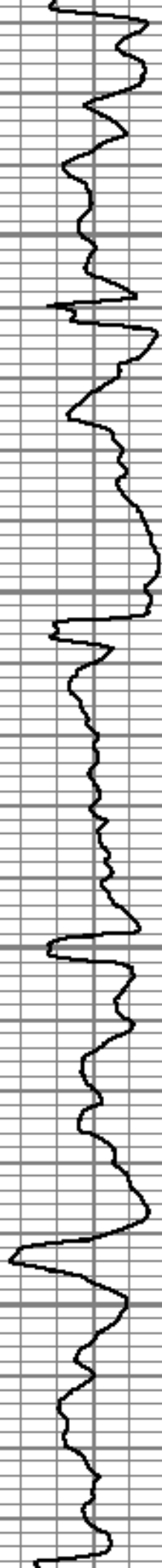


1050

1100

1150

1200





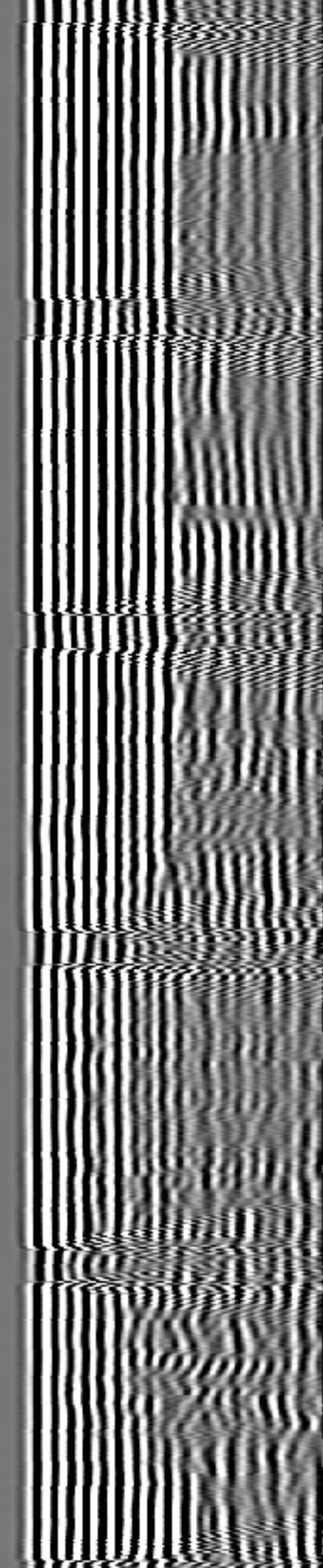
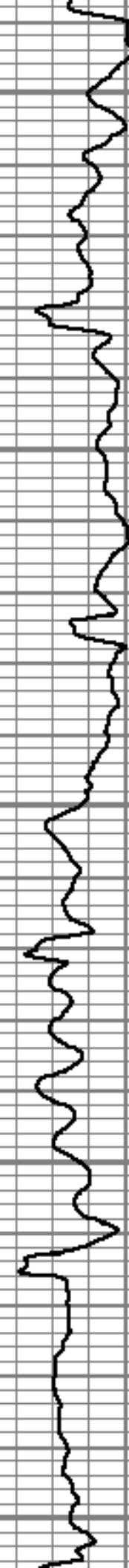
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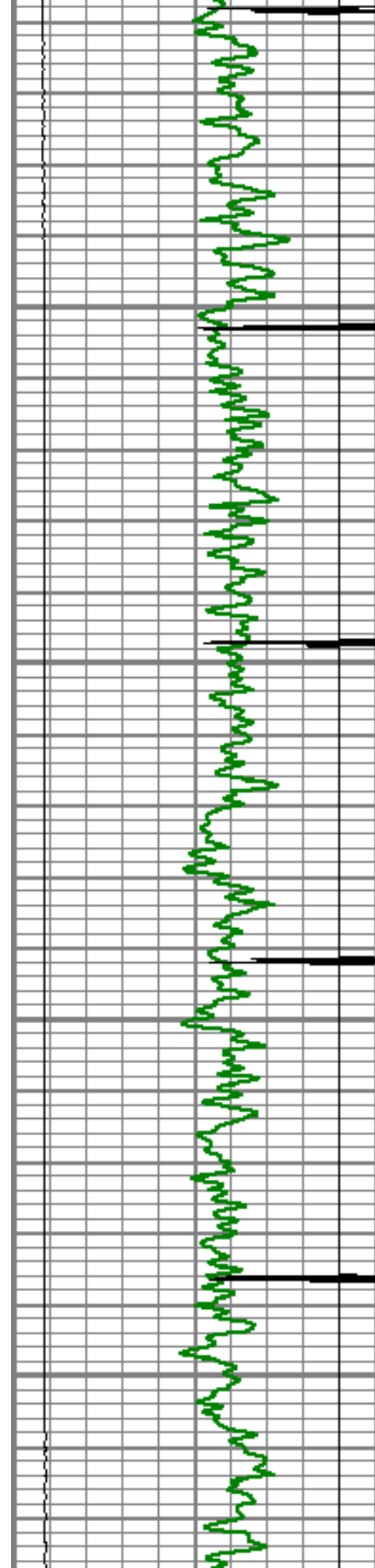
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1350

1400

1450



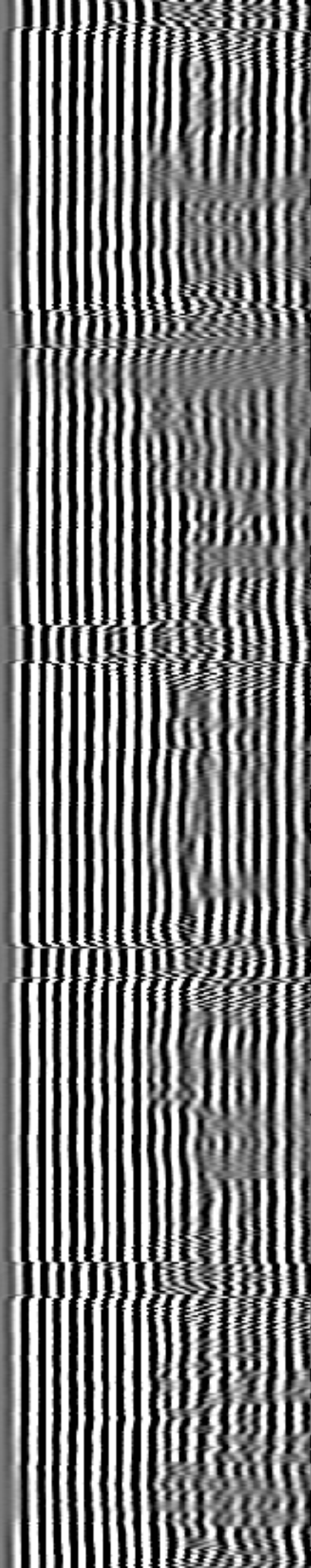
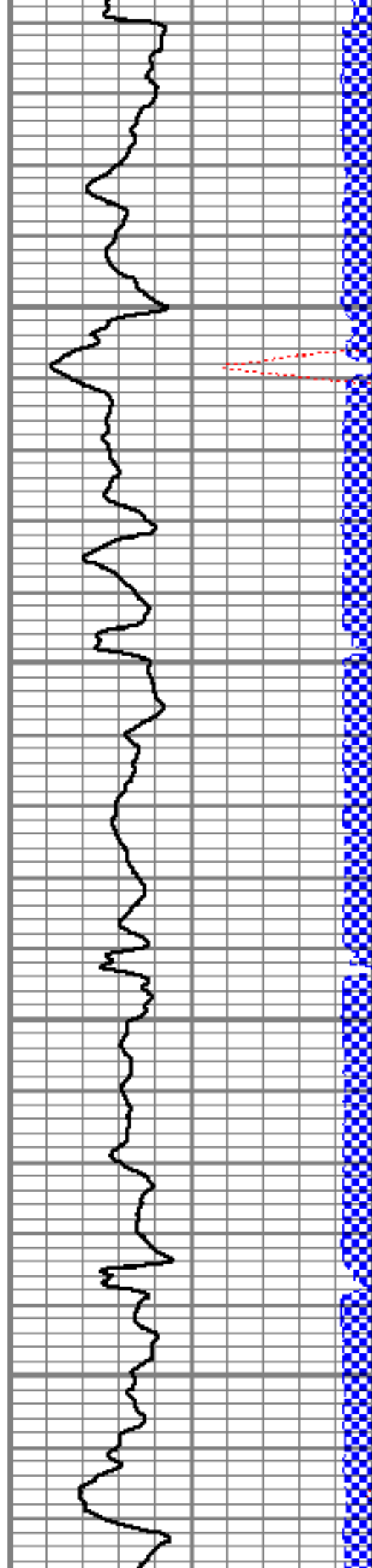


1500

1550

1600

1650





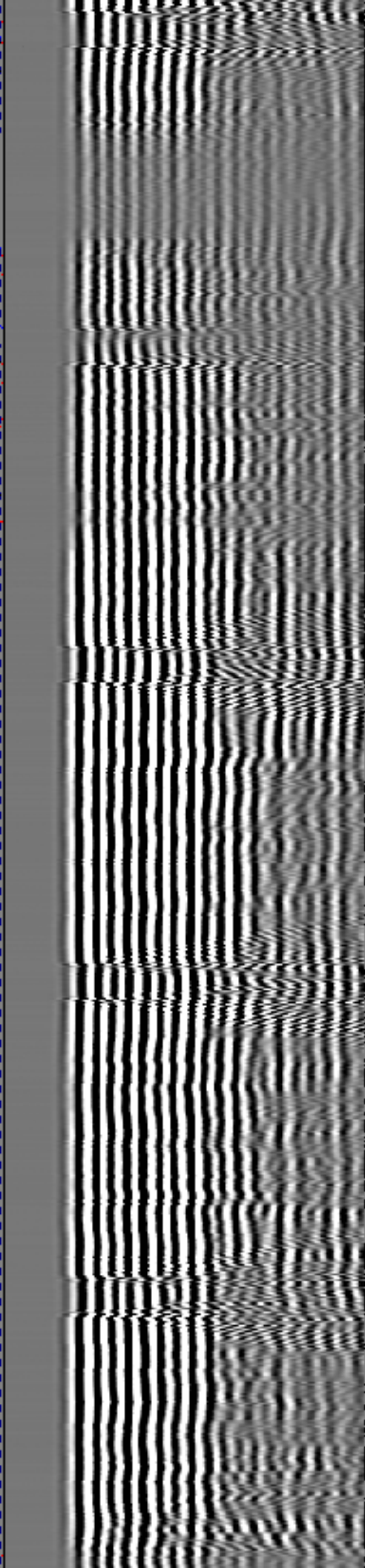
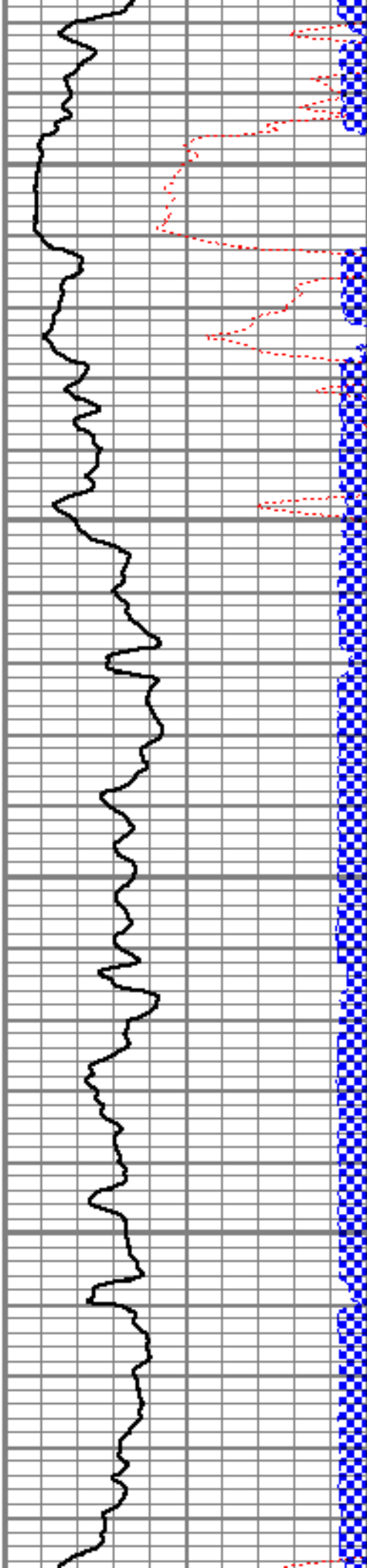
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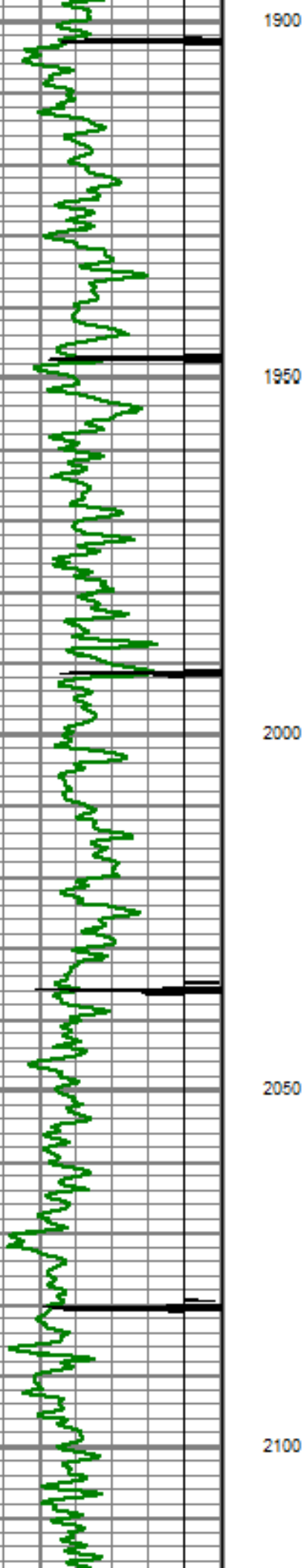
1750

1800

1850

Top of Cement





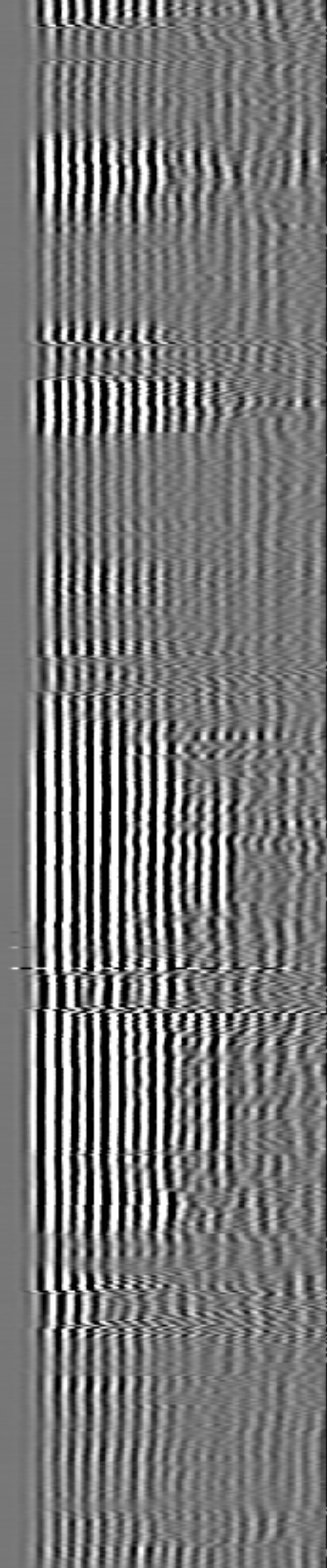
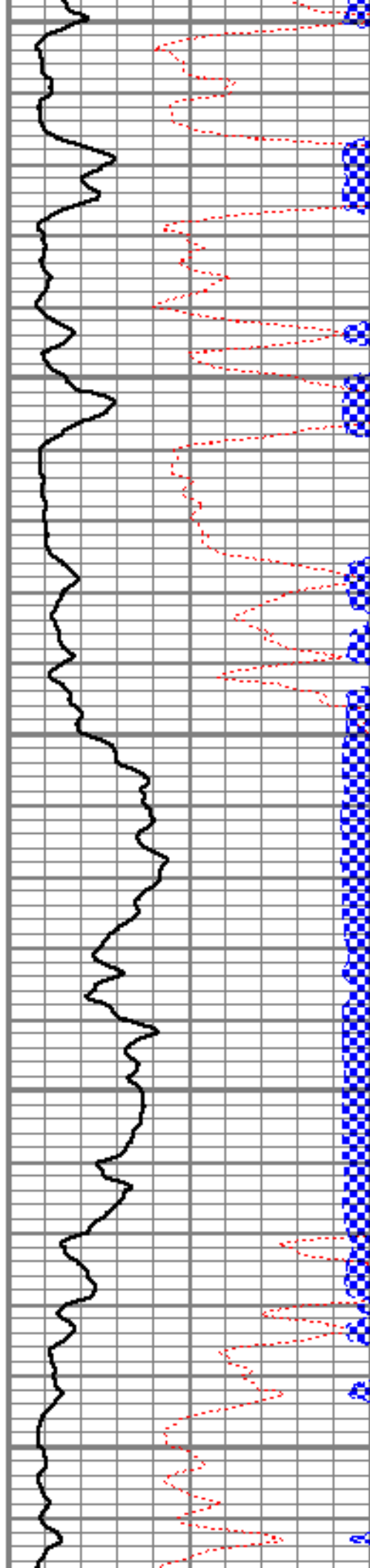
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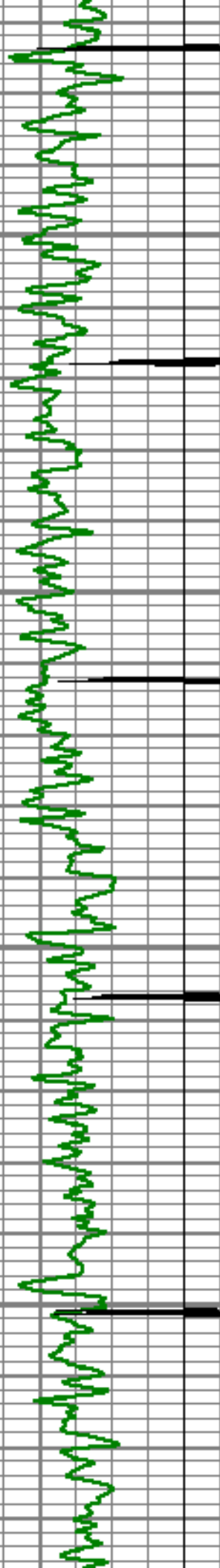
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2000

2050

2100



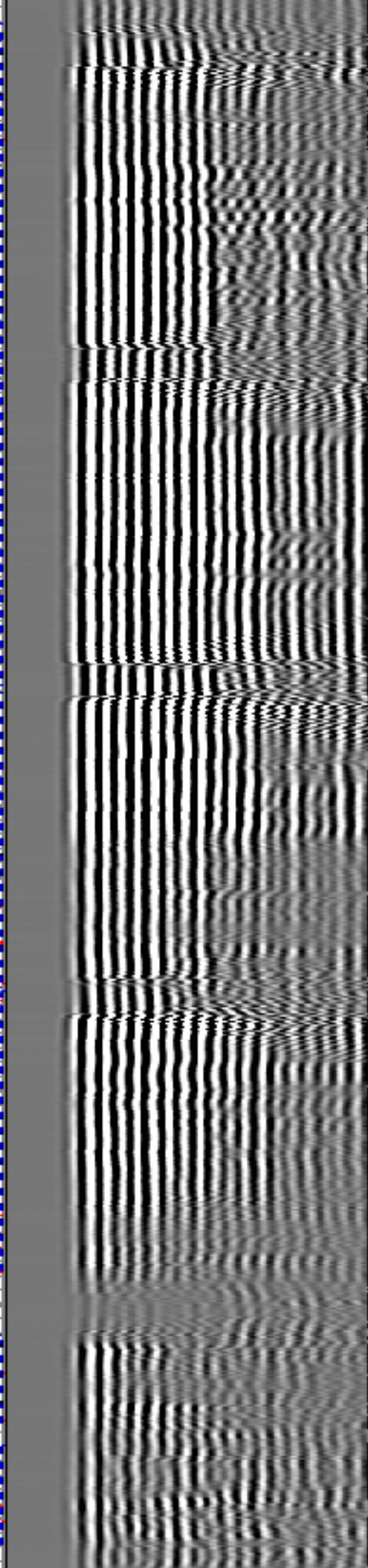
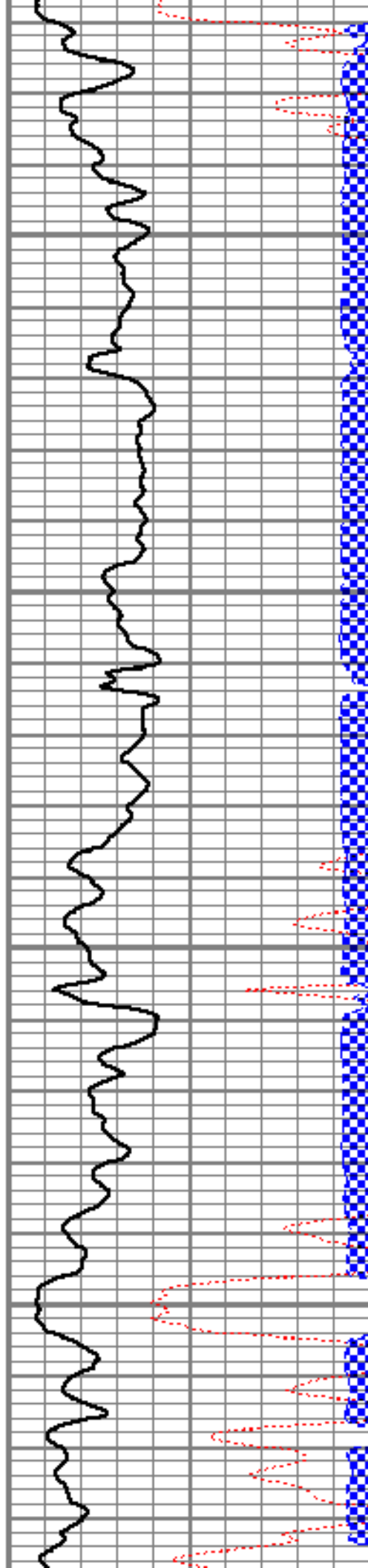


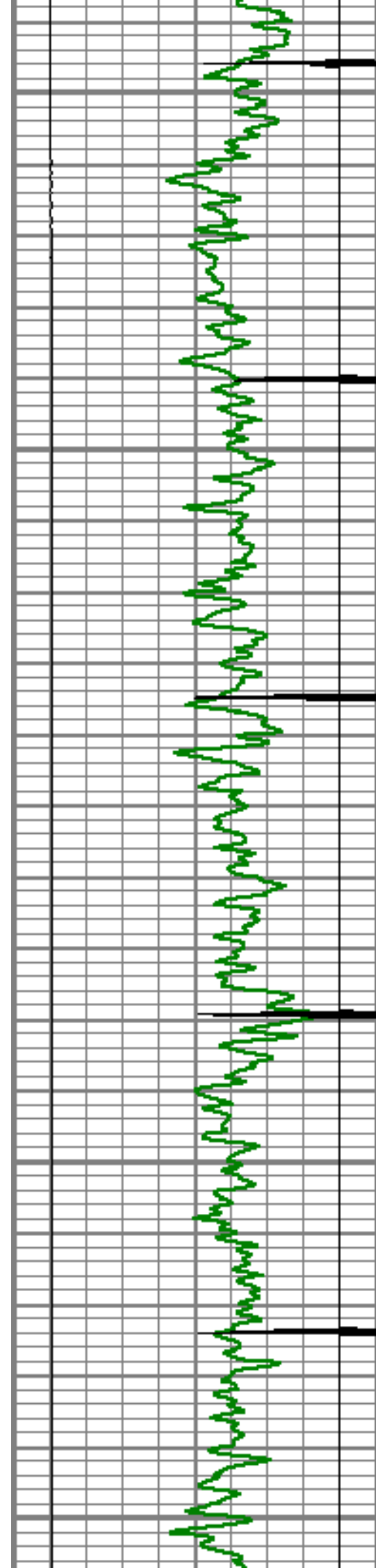
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2200

2250

2300





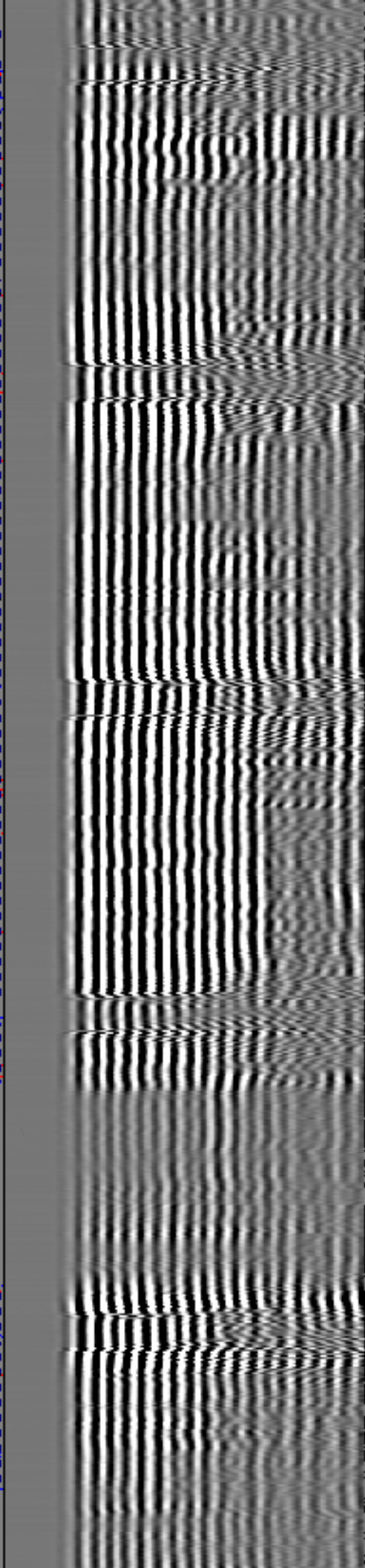
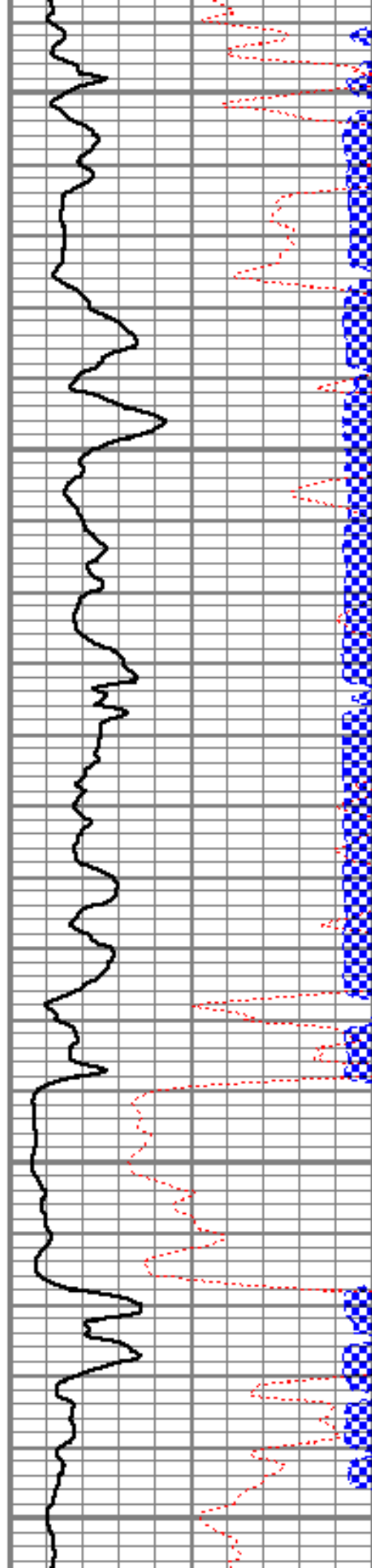
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2400

2450

2500

2550



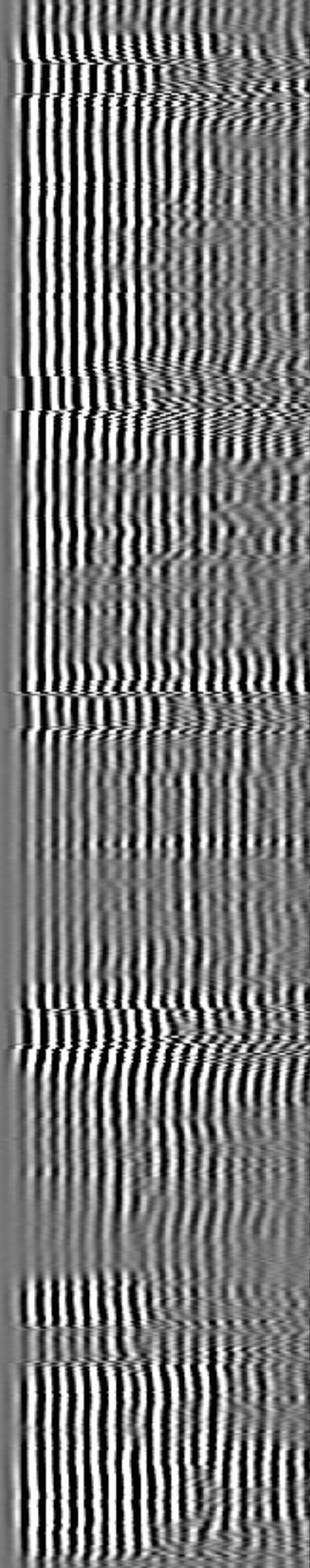
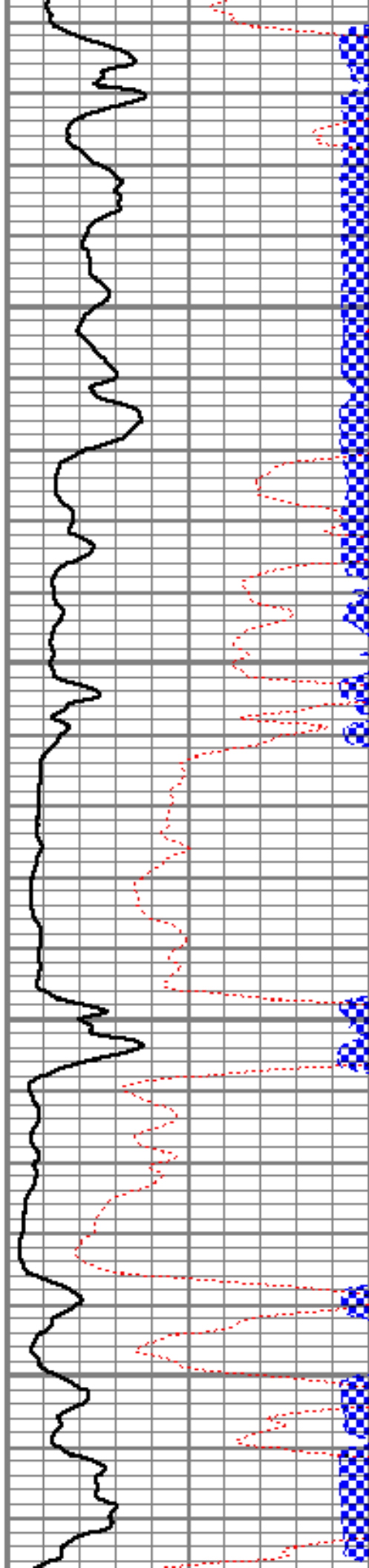


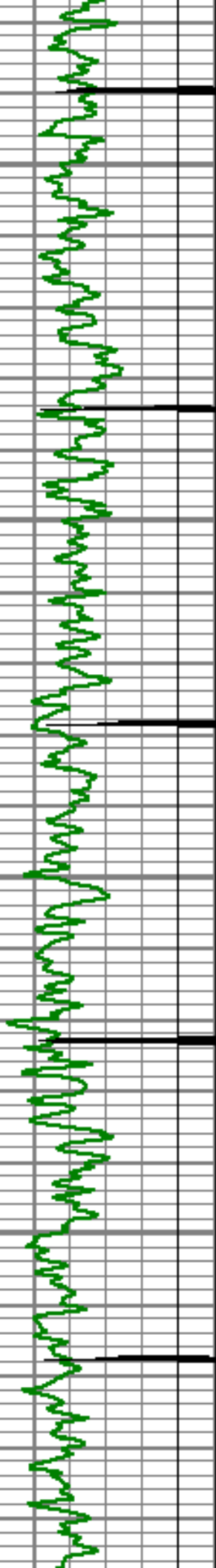
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2650

2700

2750



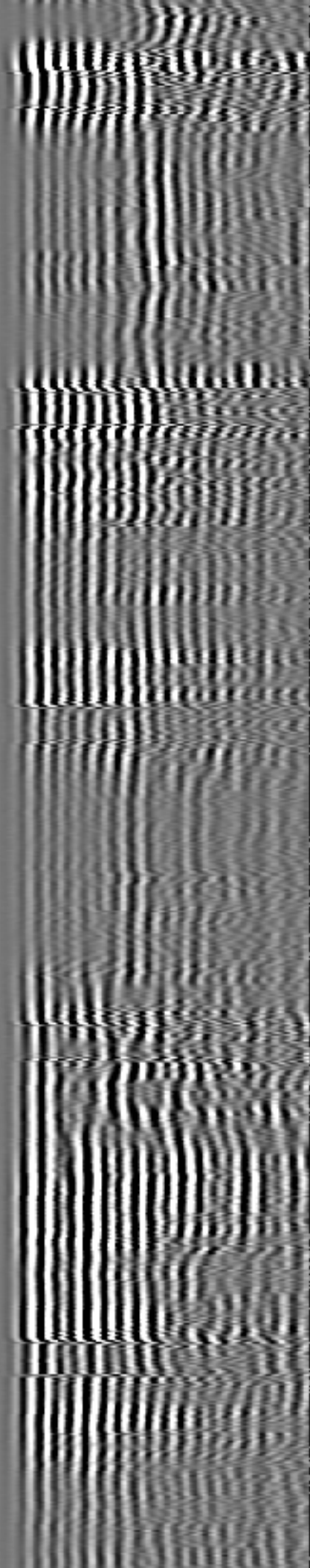
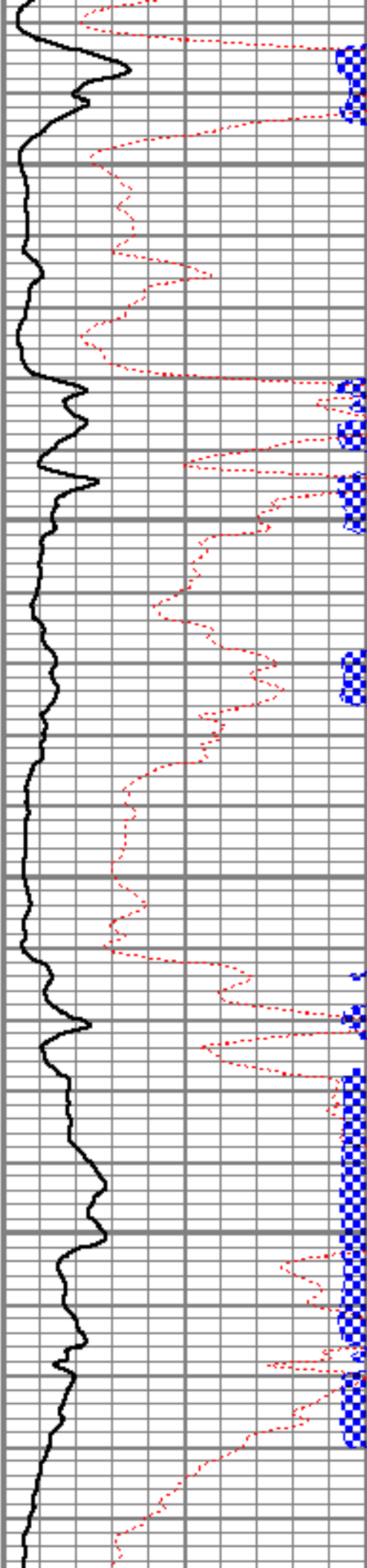


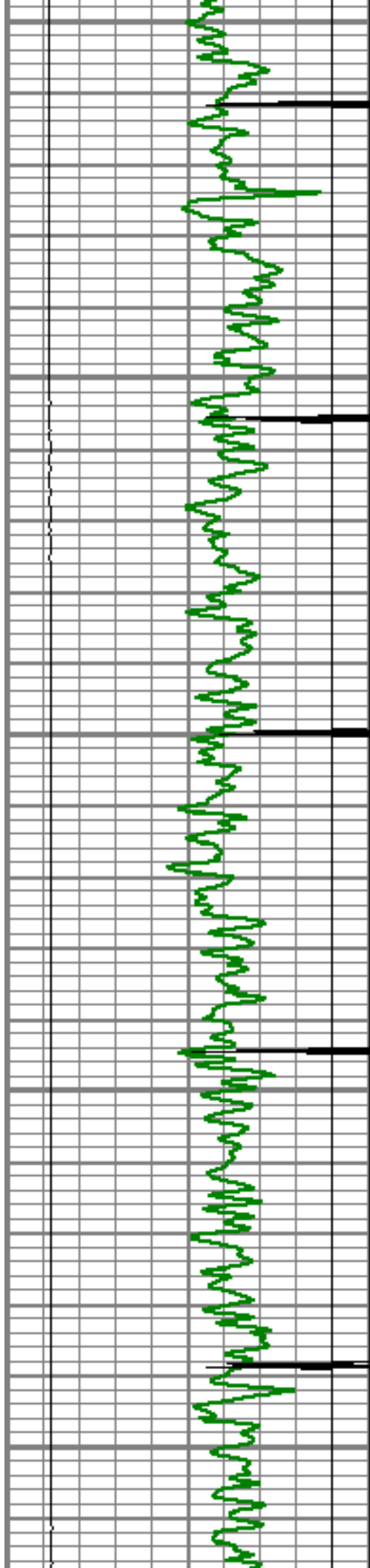
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2850

2900

2950





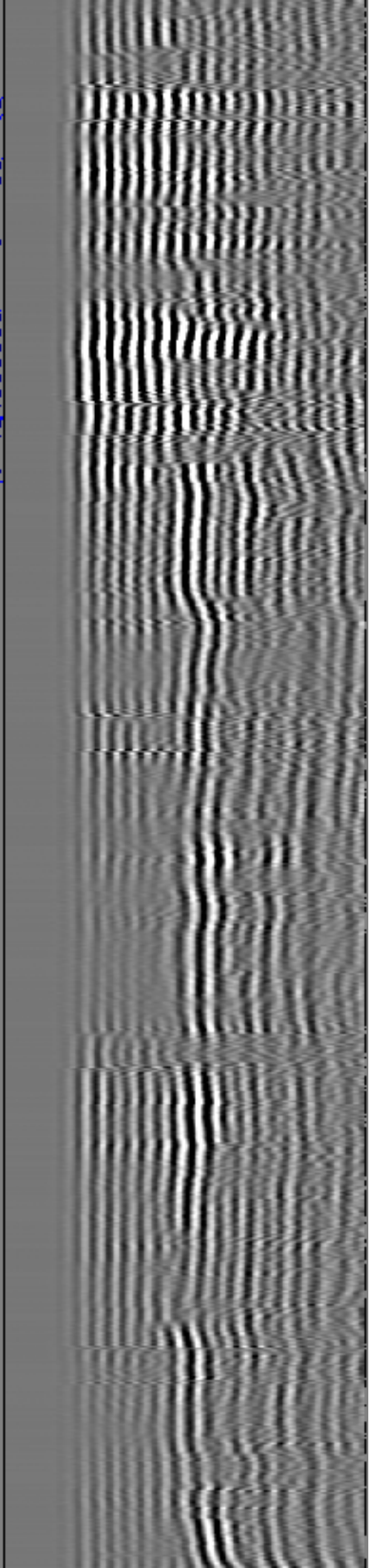
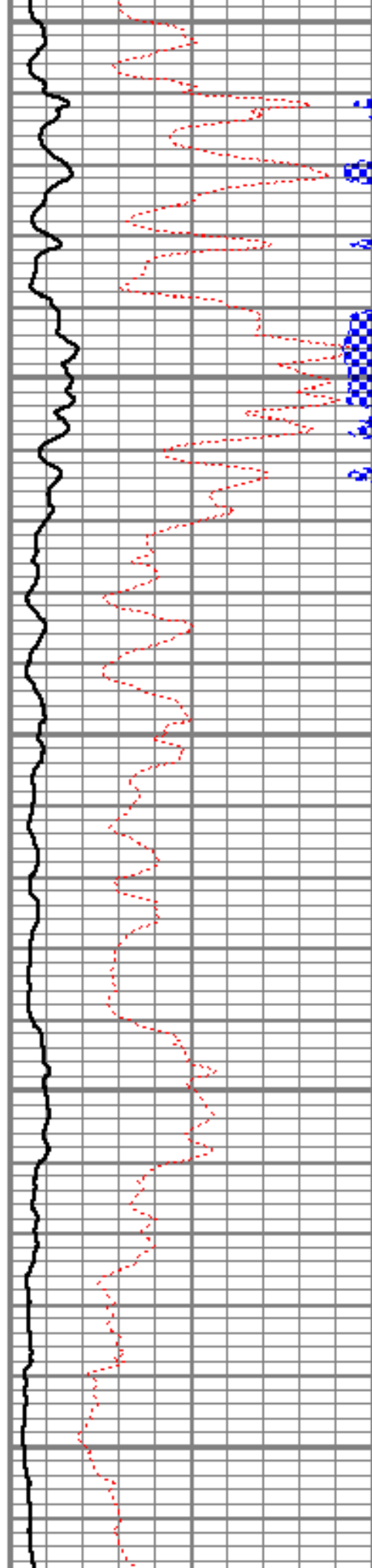
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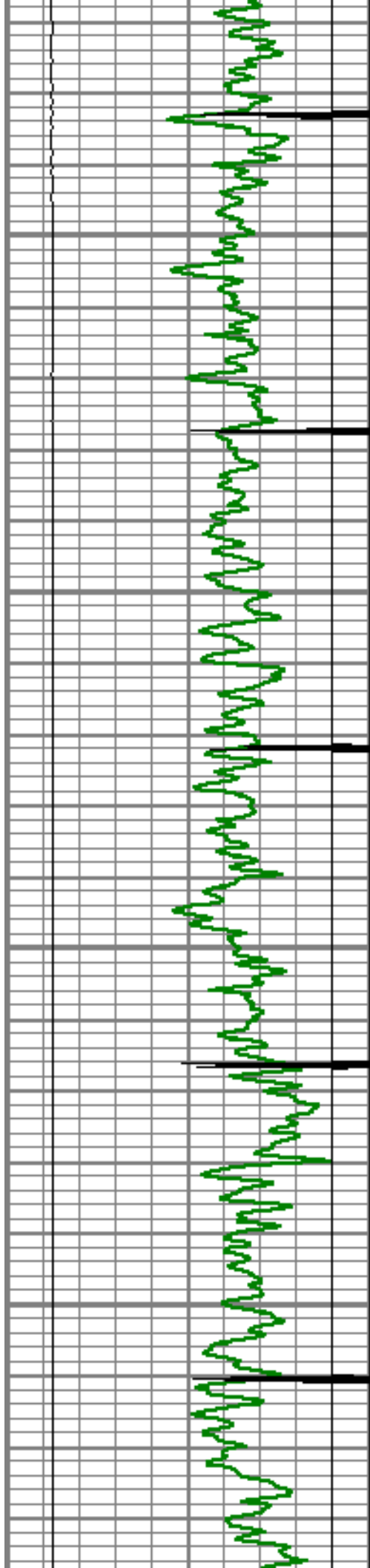
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3200



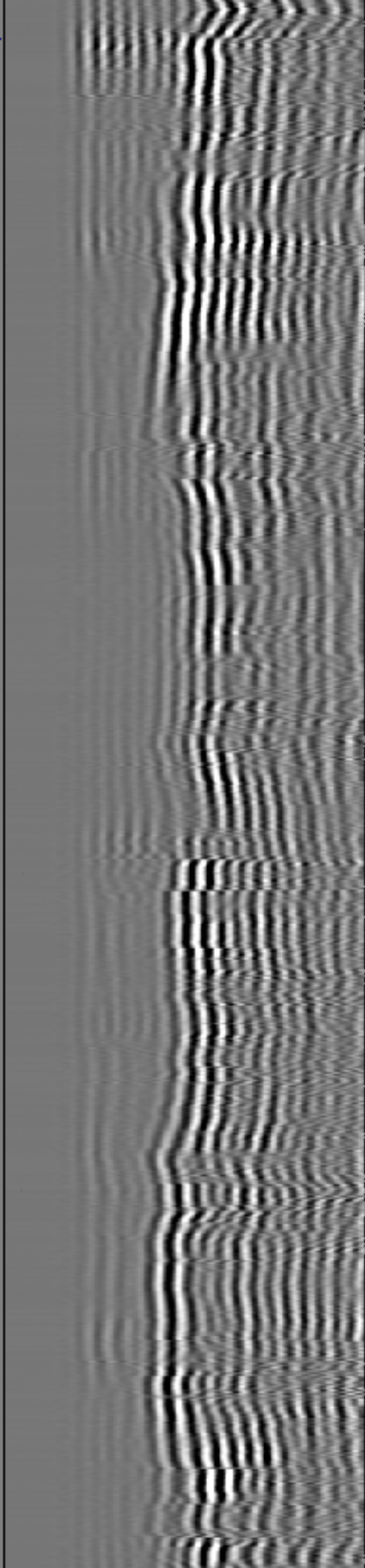
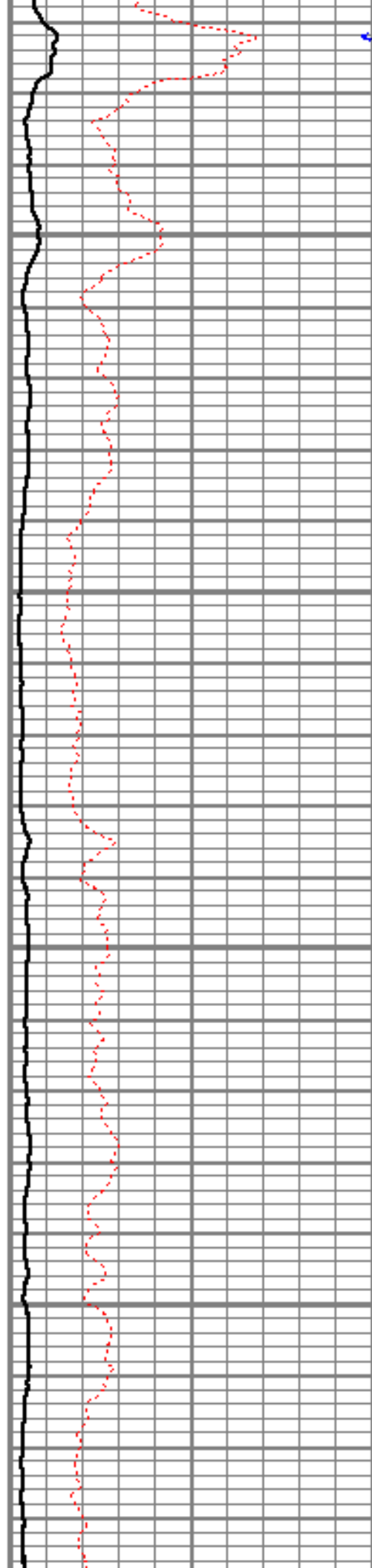


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3300

3350

3400





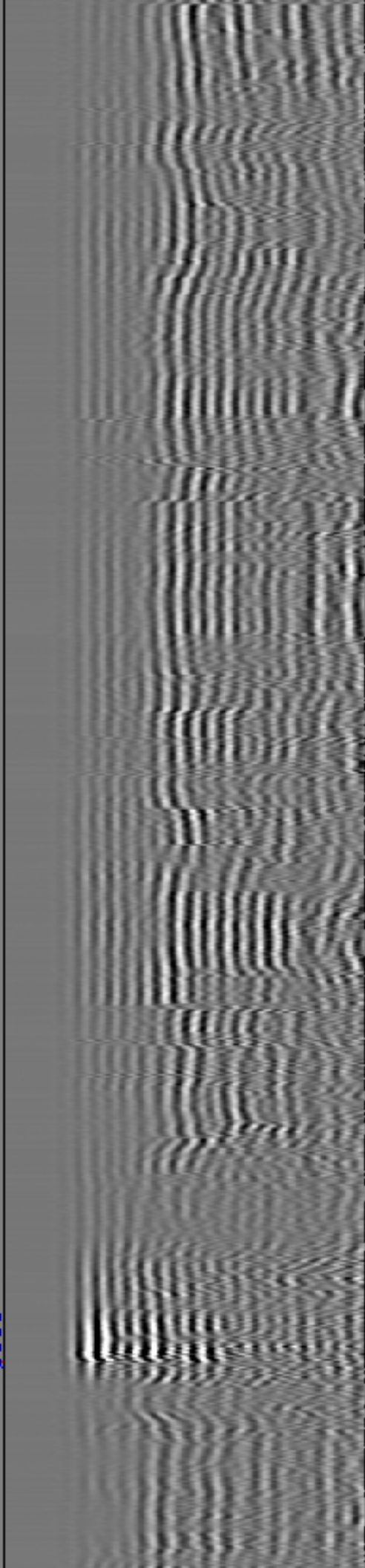
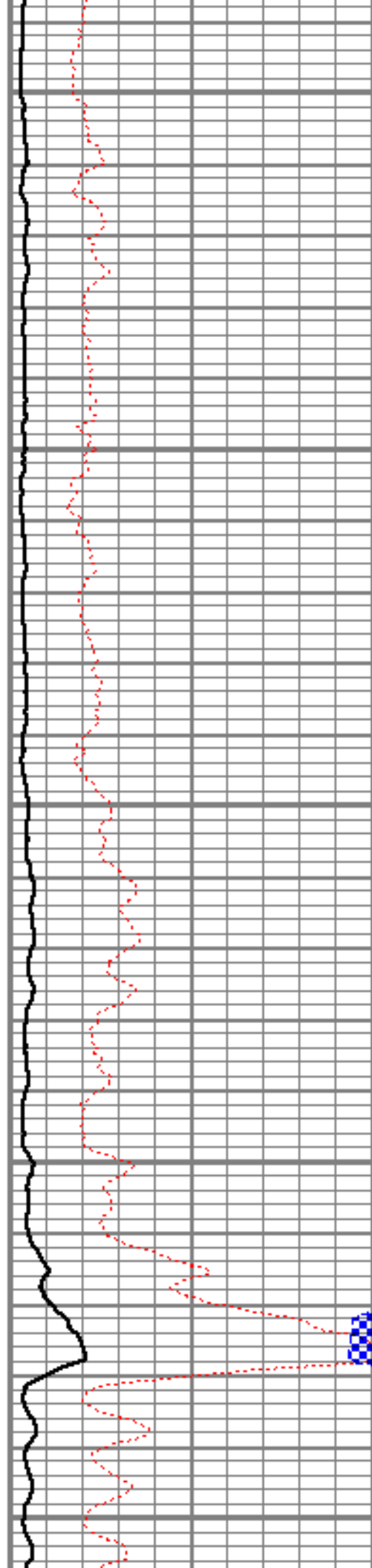
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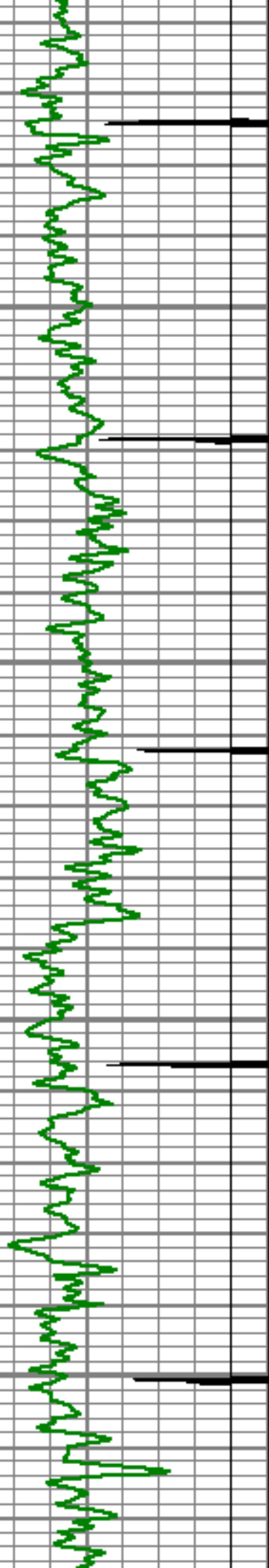
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3650



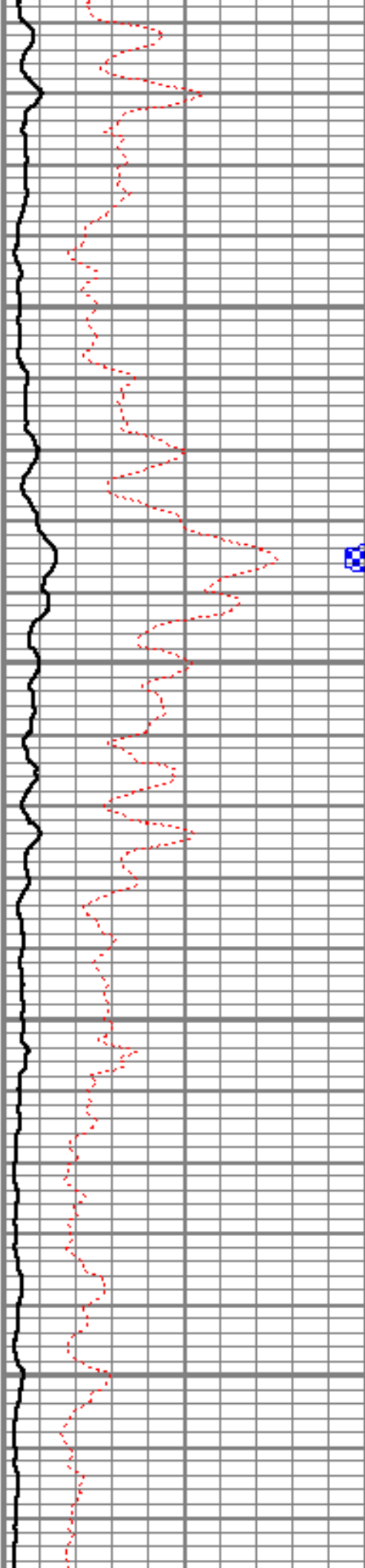


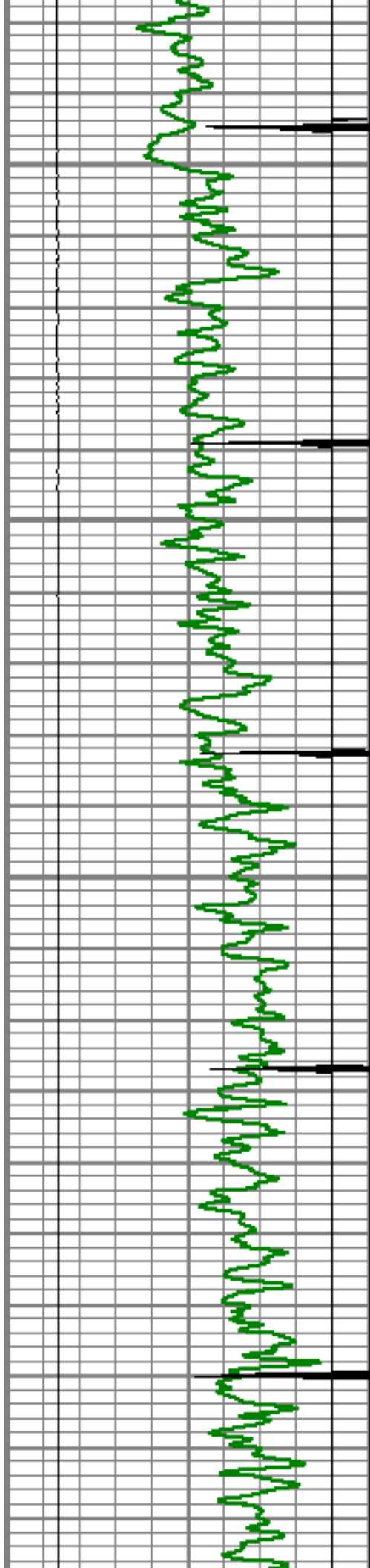
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3800

3850



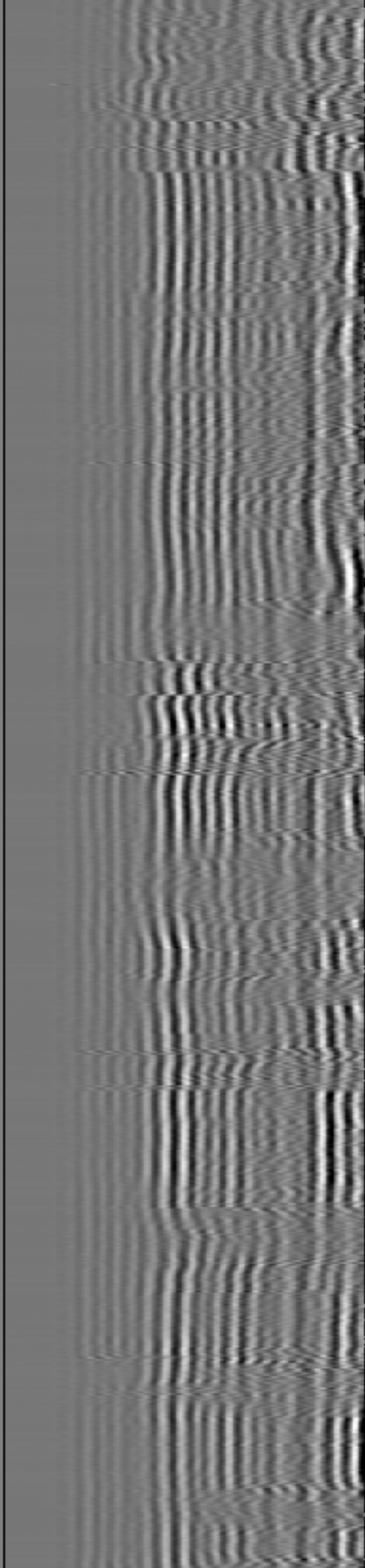
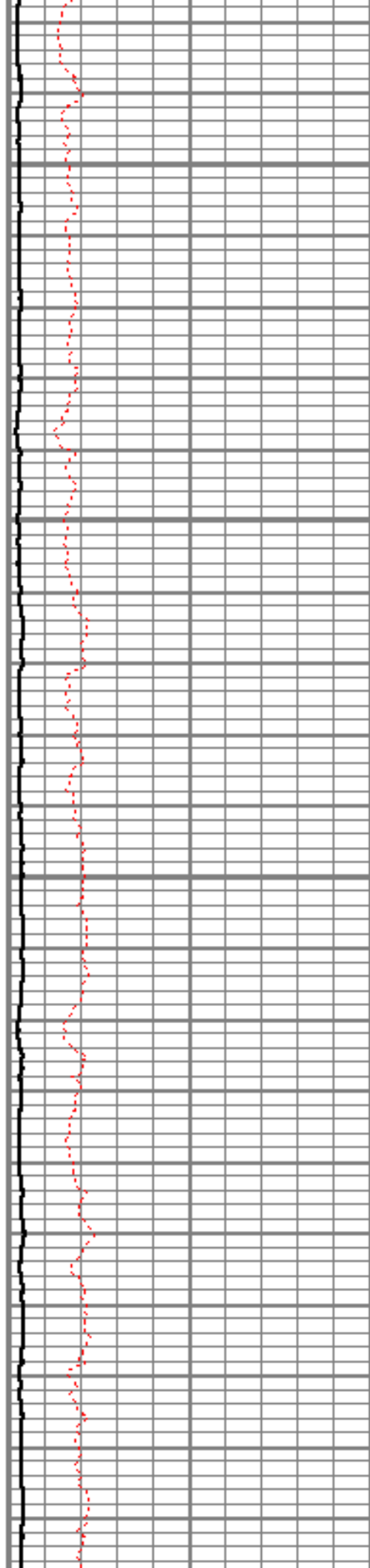


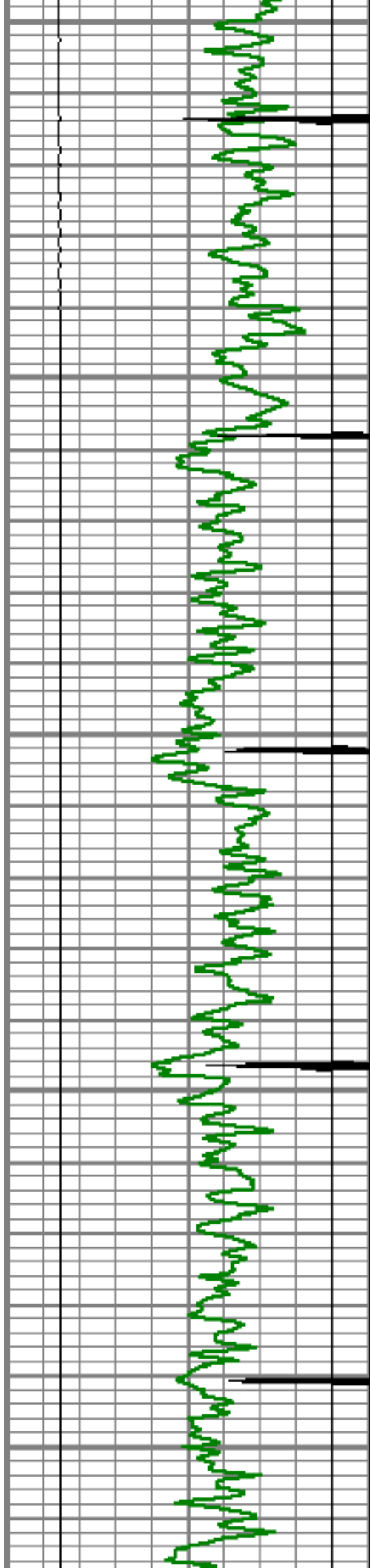
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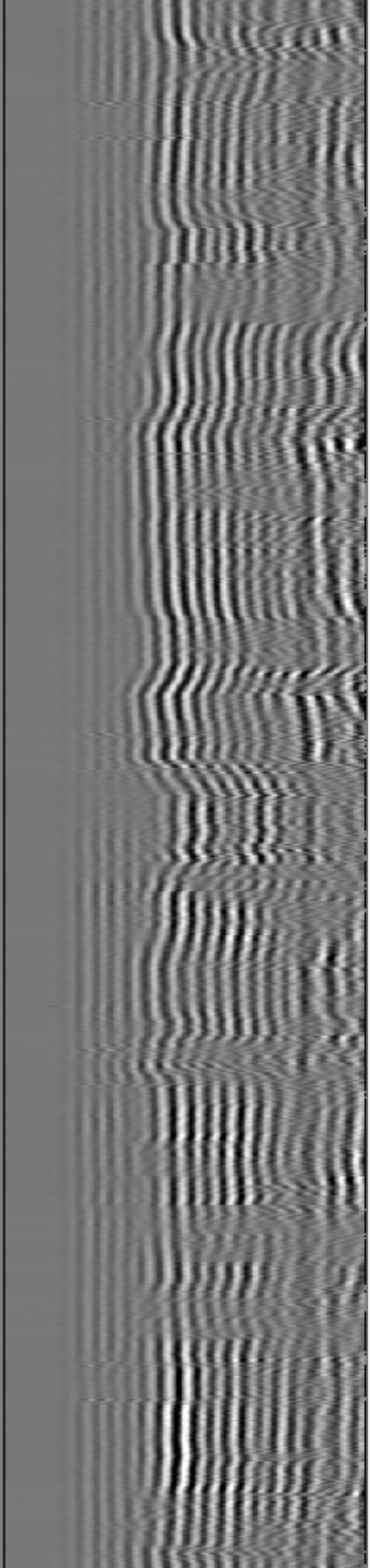
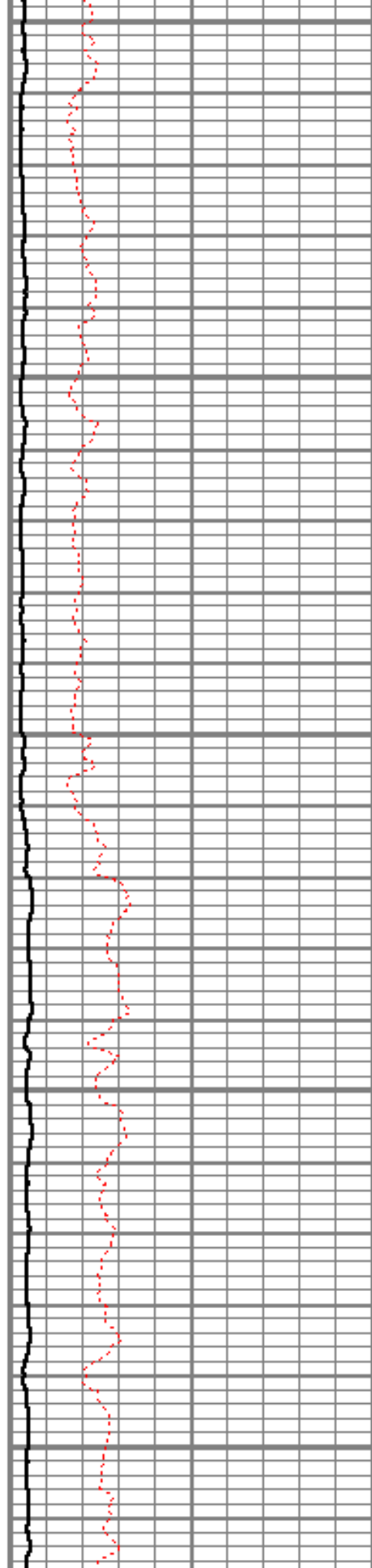
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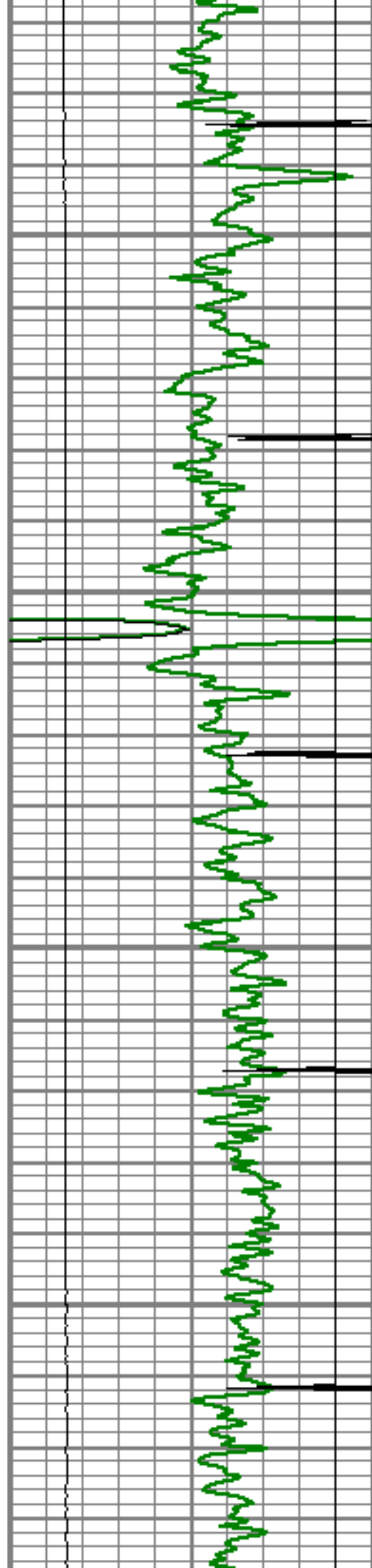
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4200

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4300



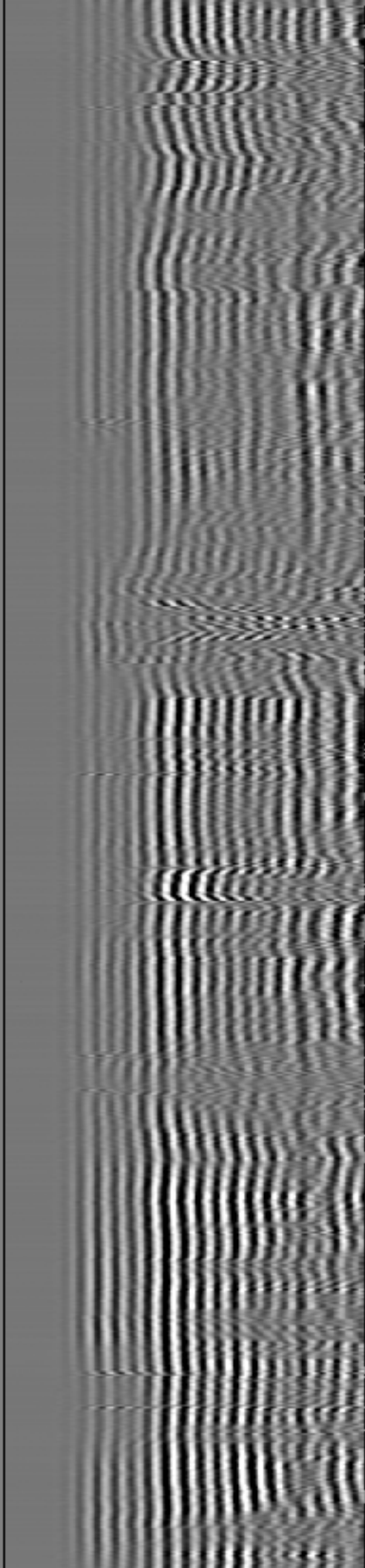
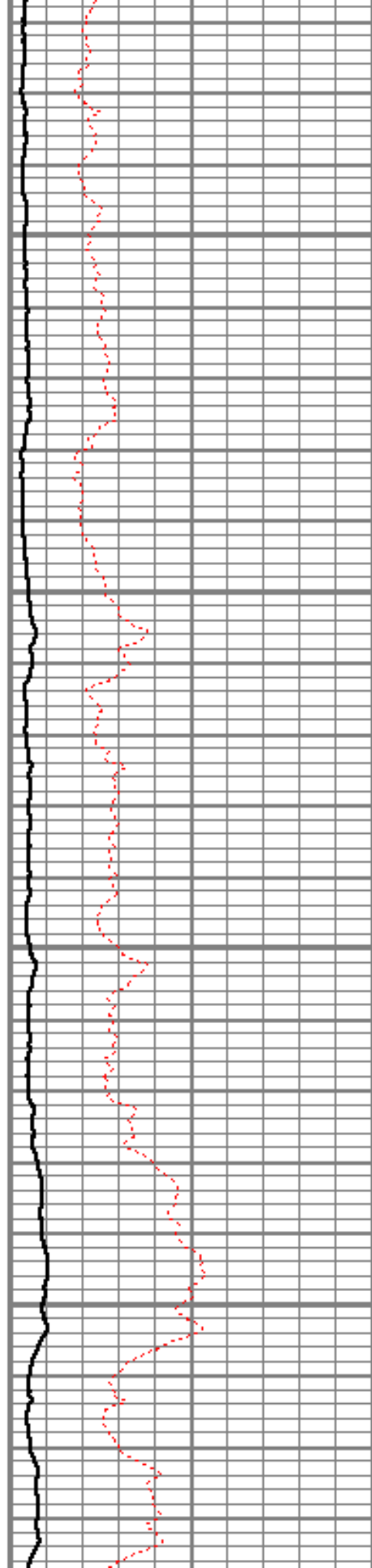


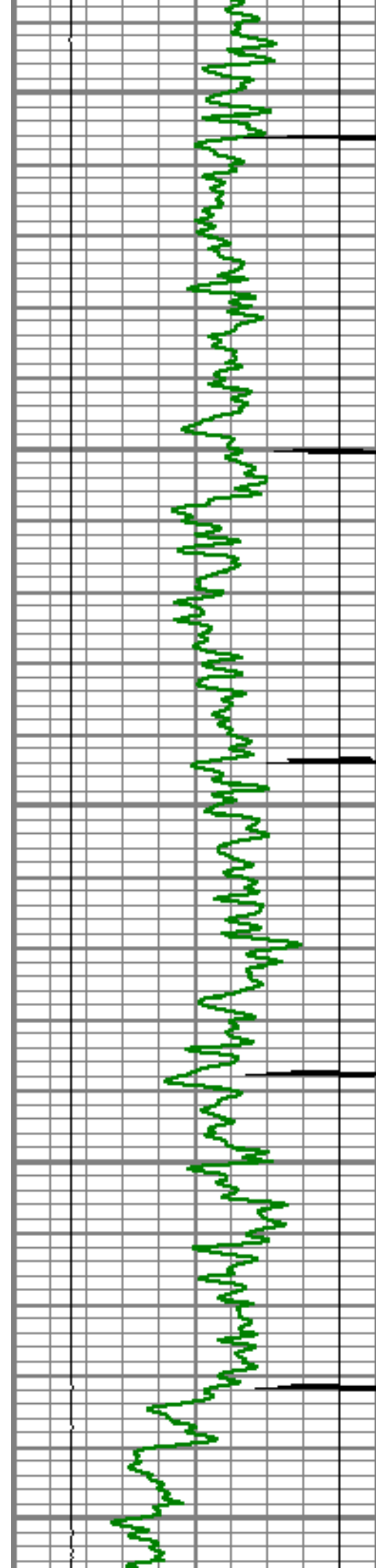
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4500





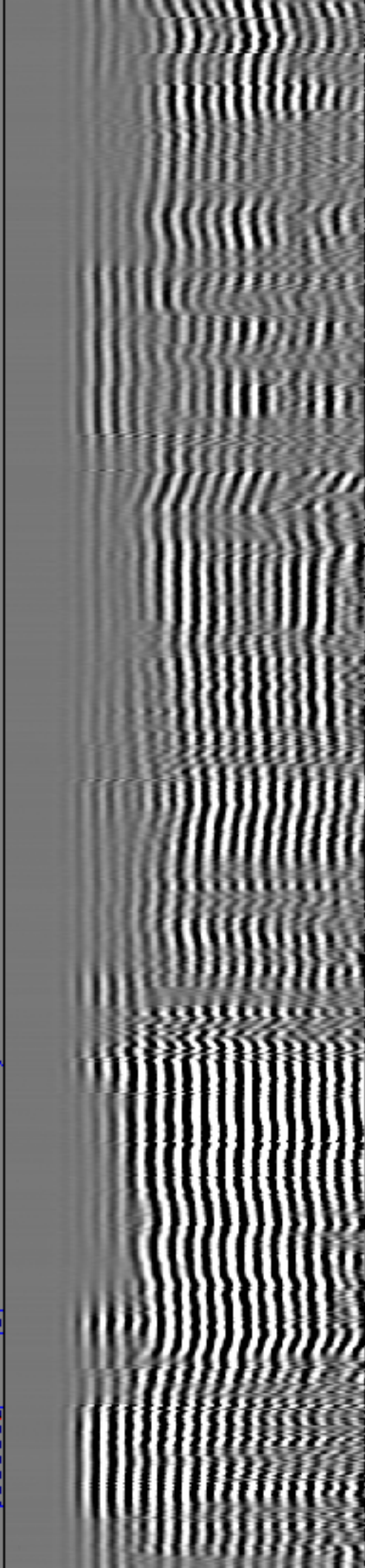
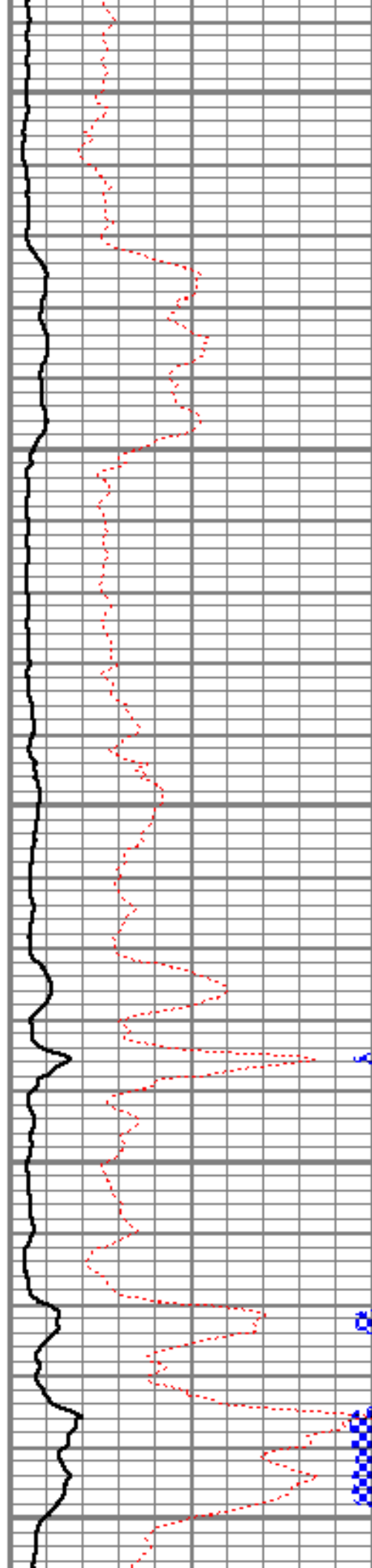
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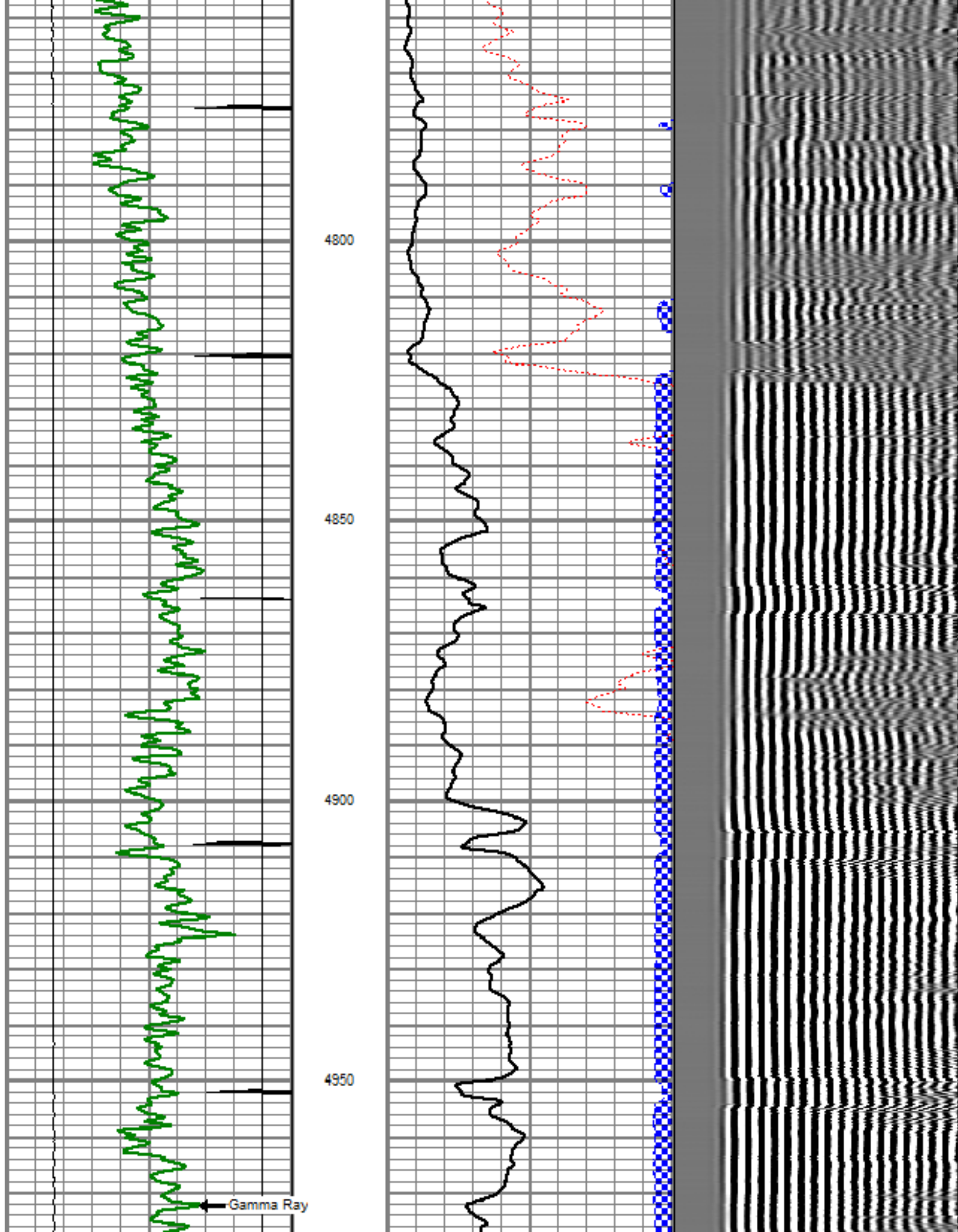
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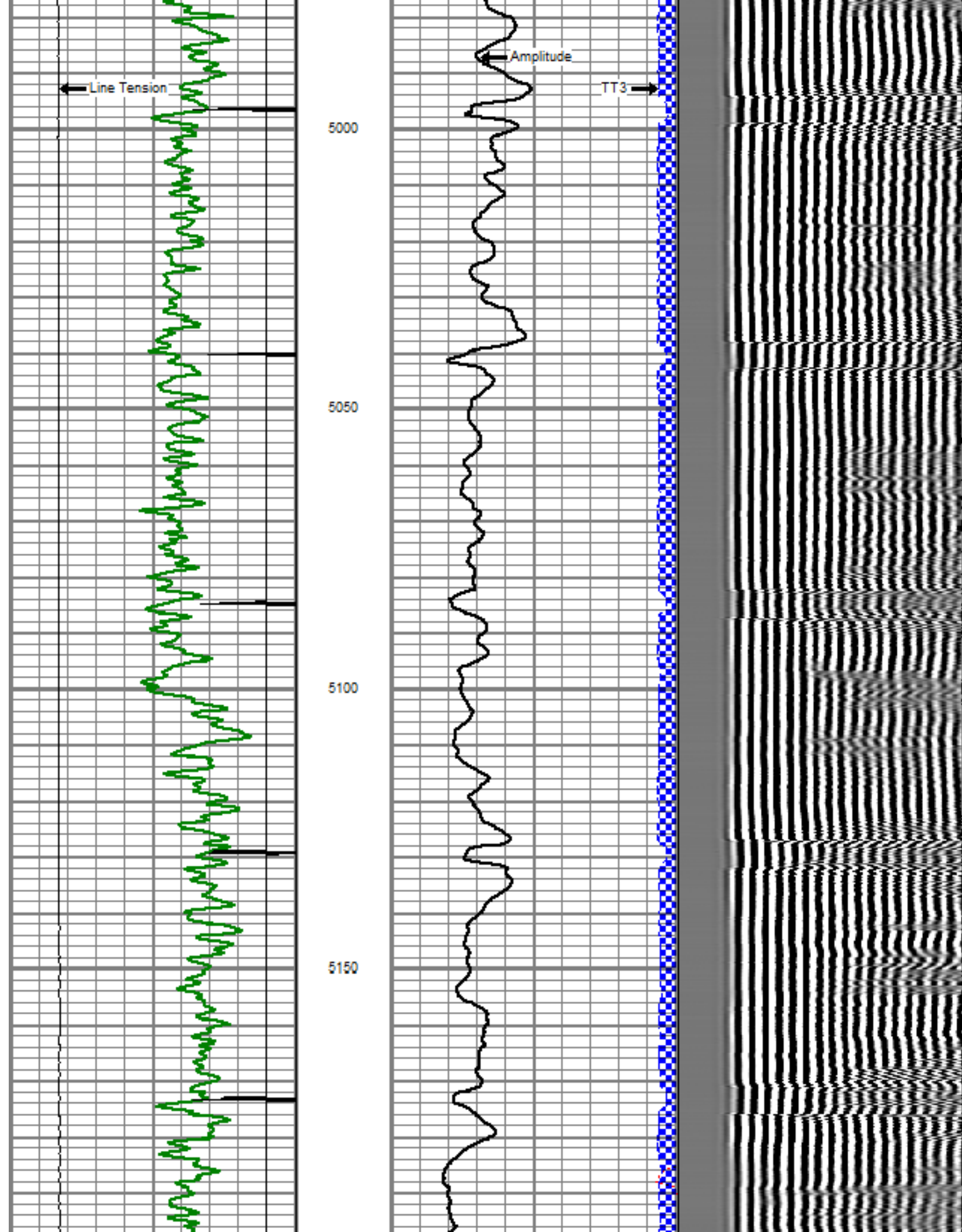
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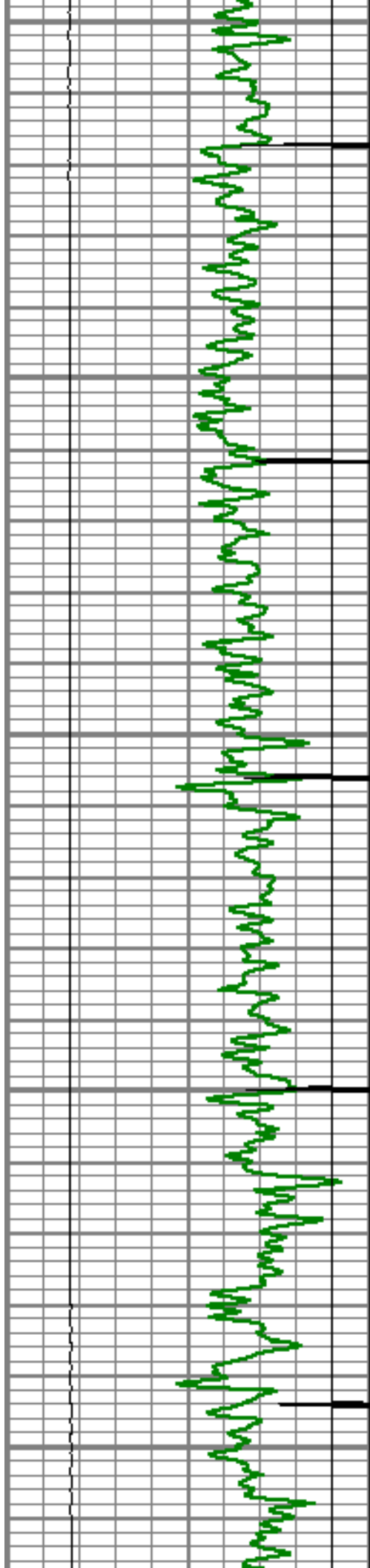
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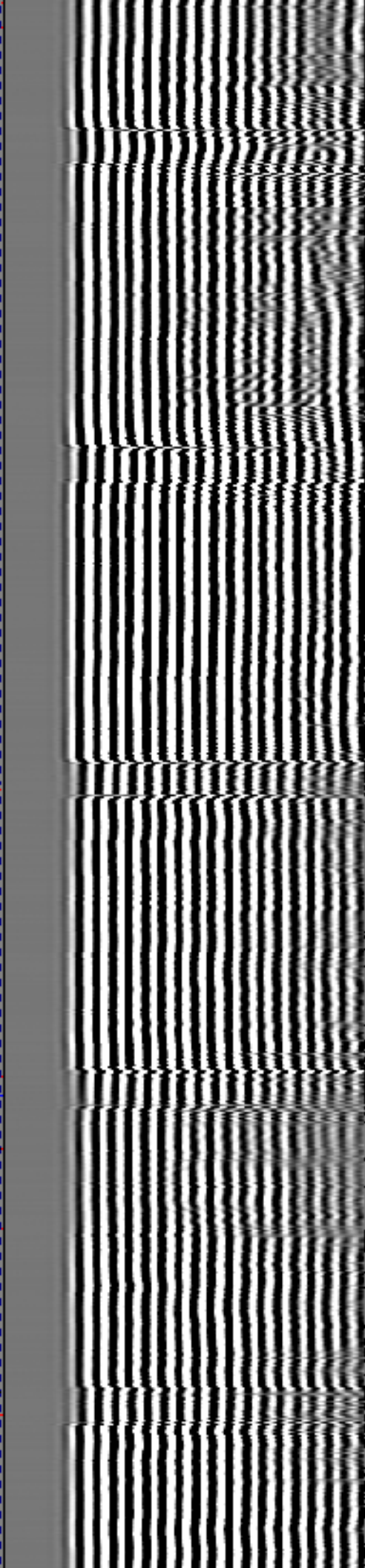
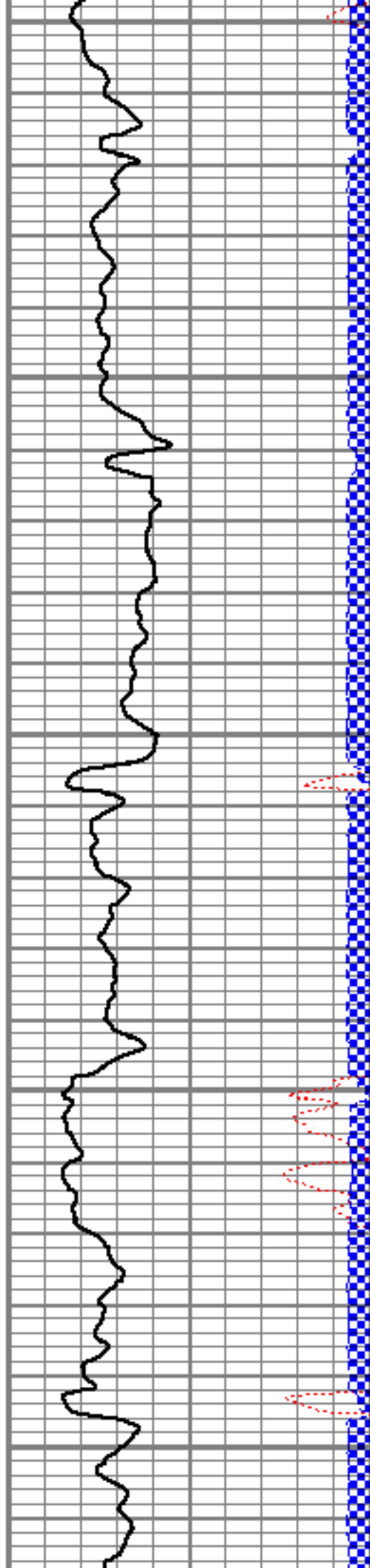
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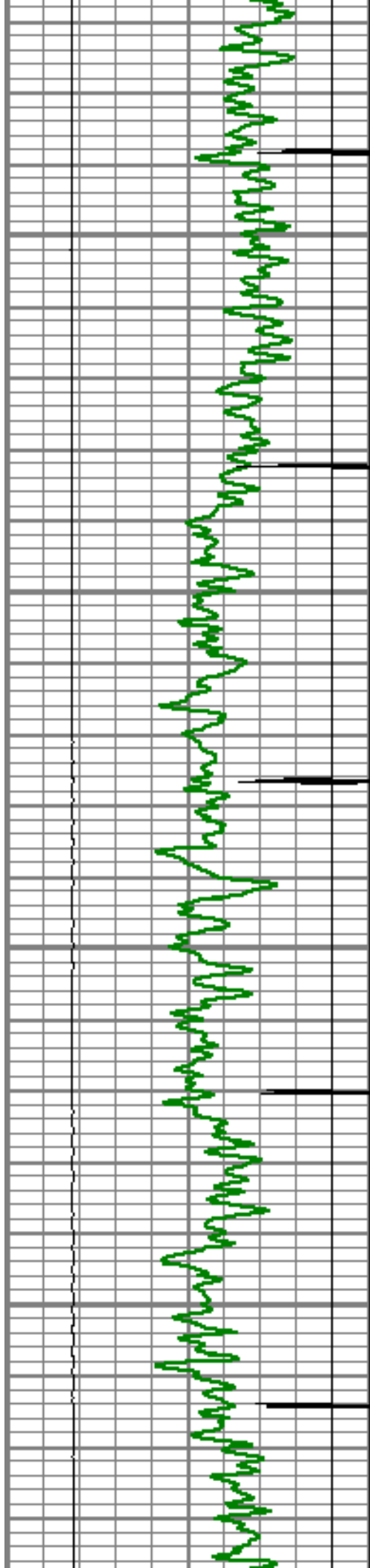
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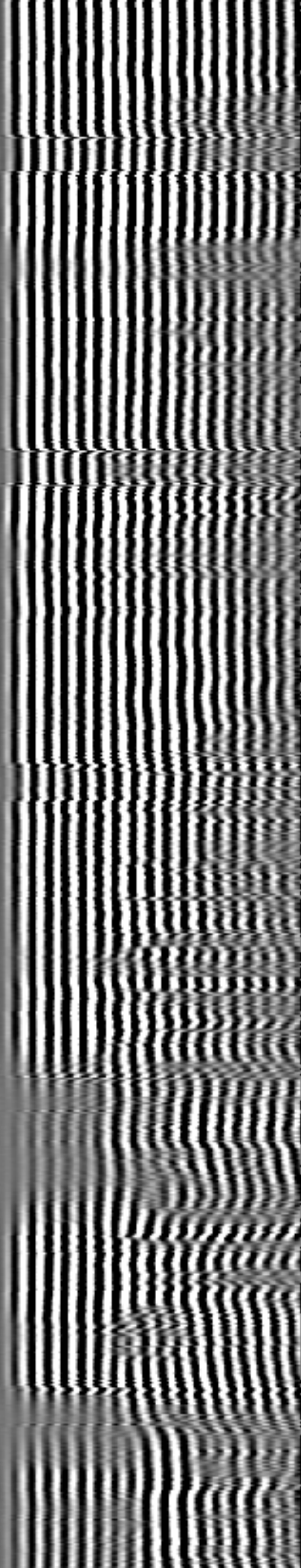
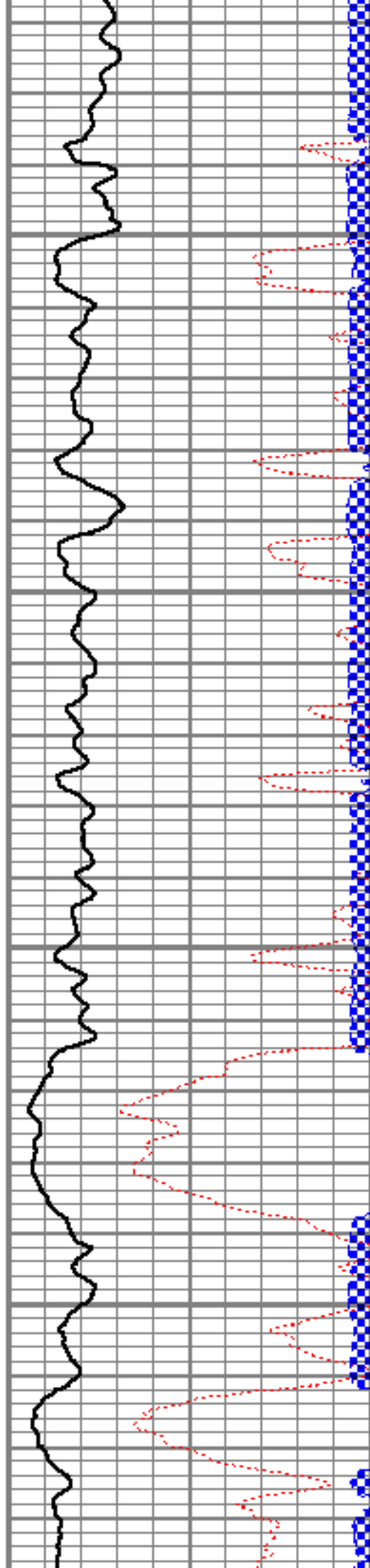


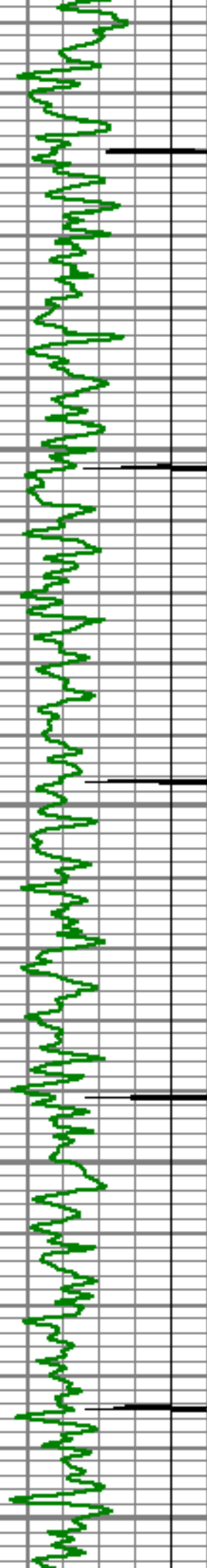
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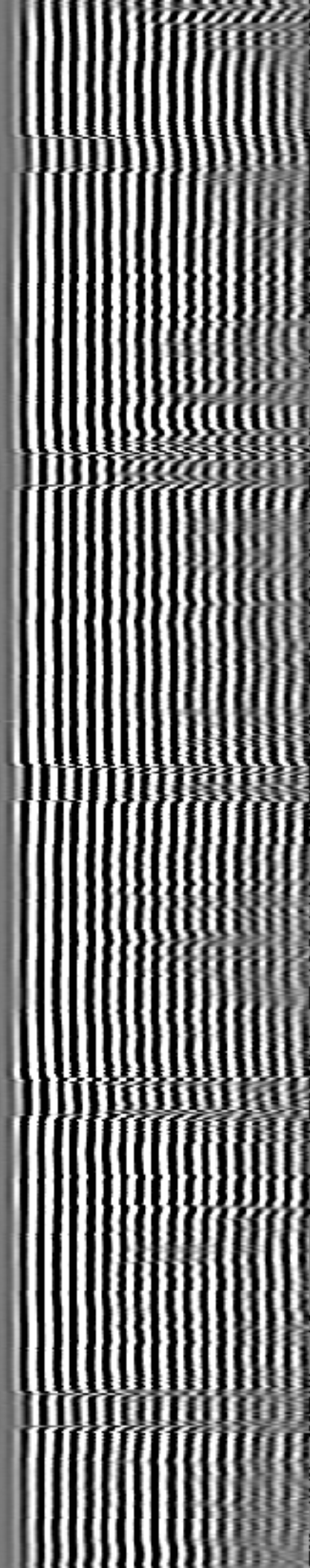
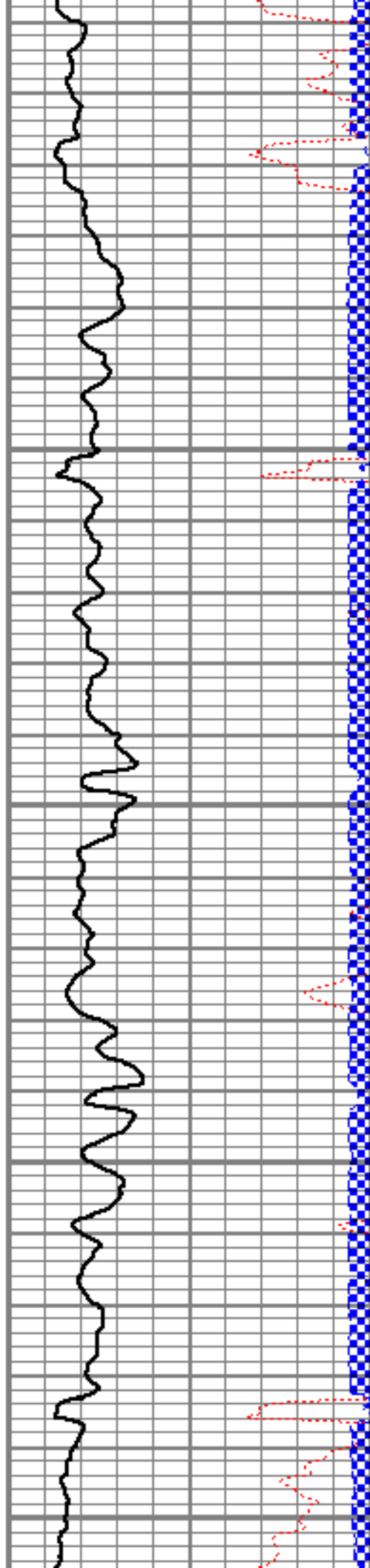
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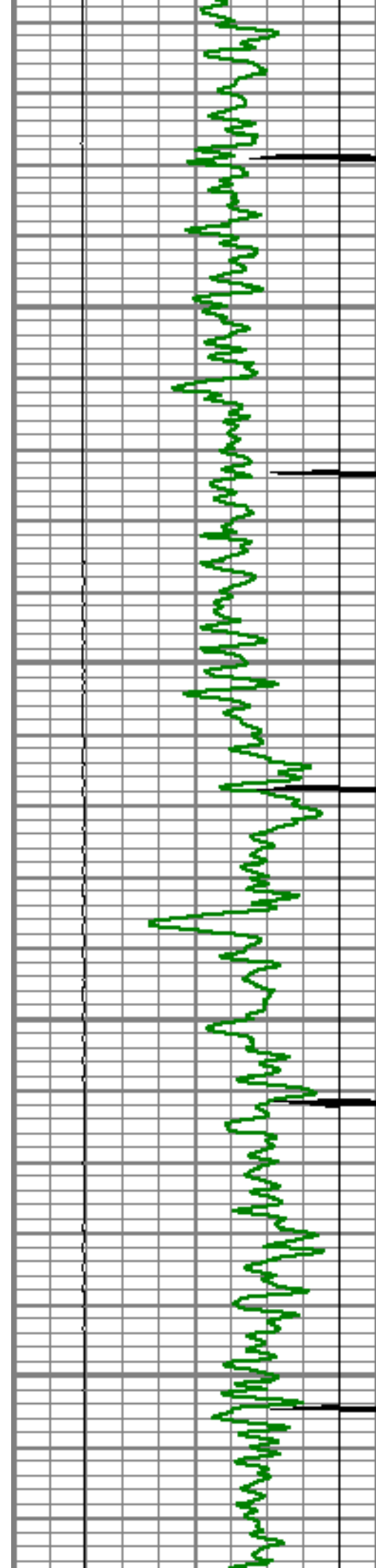
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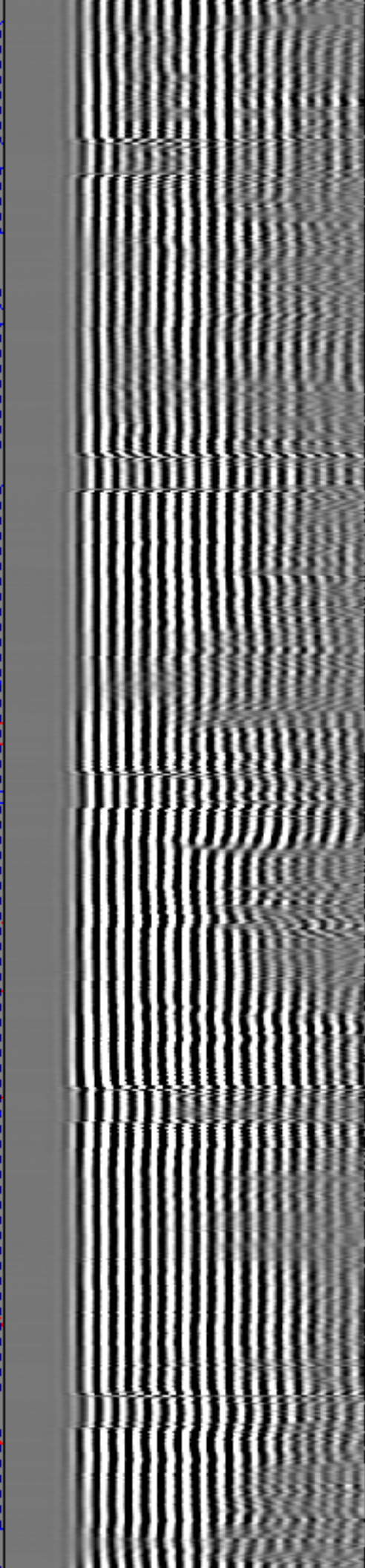
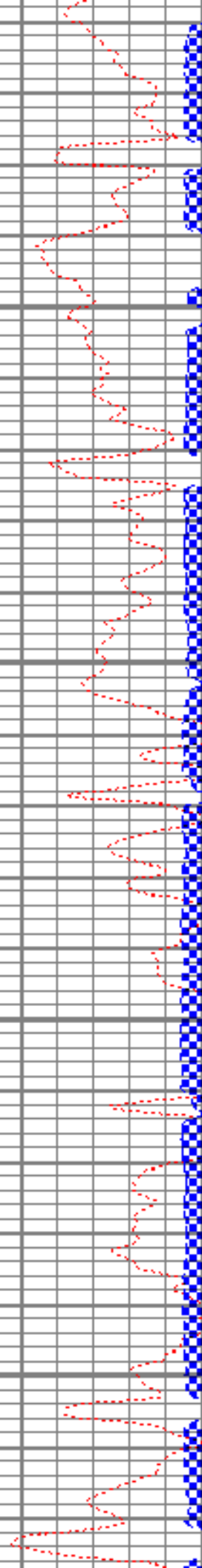
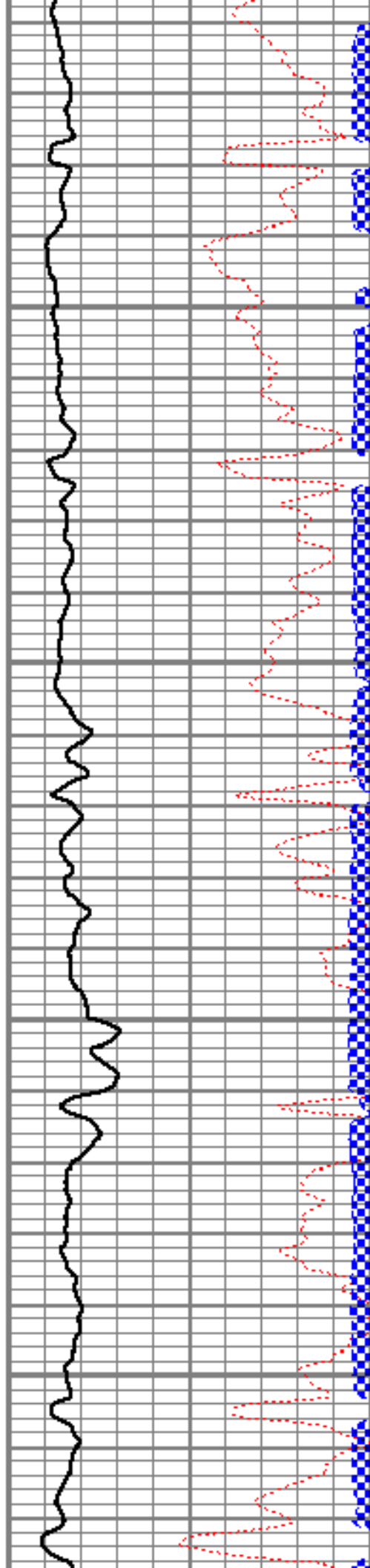


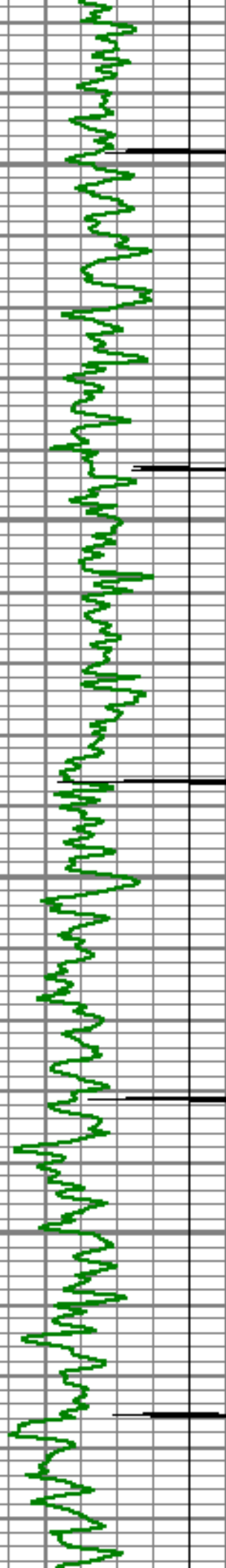
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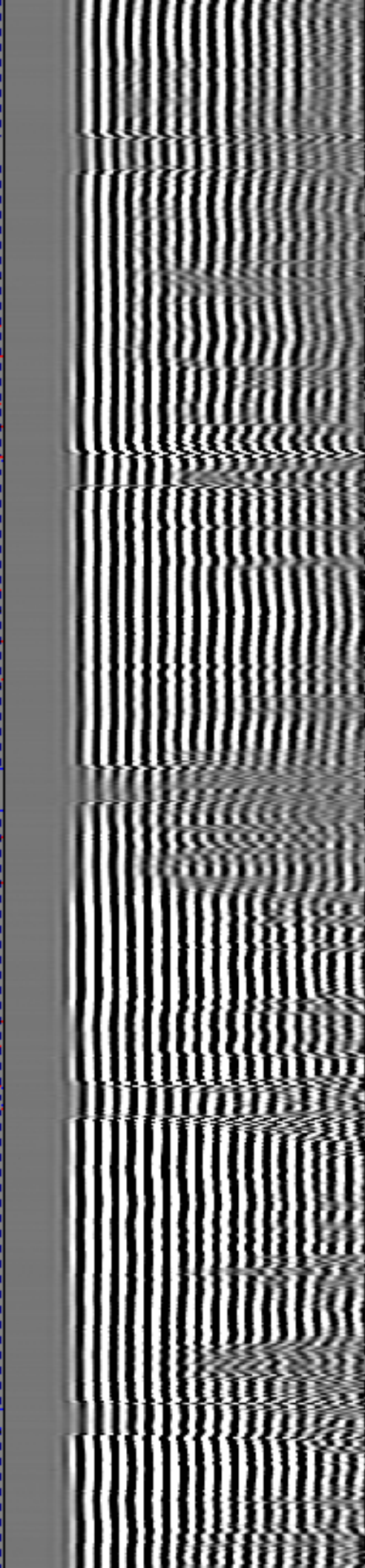
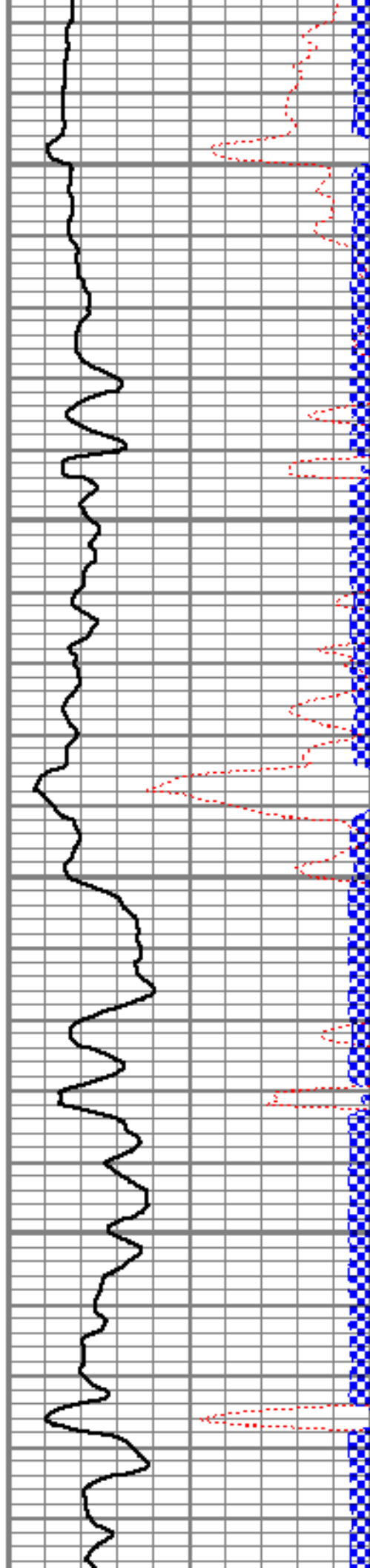


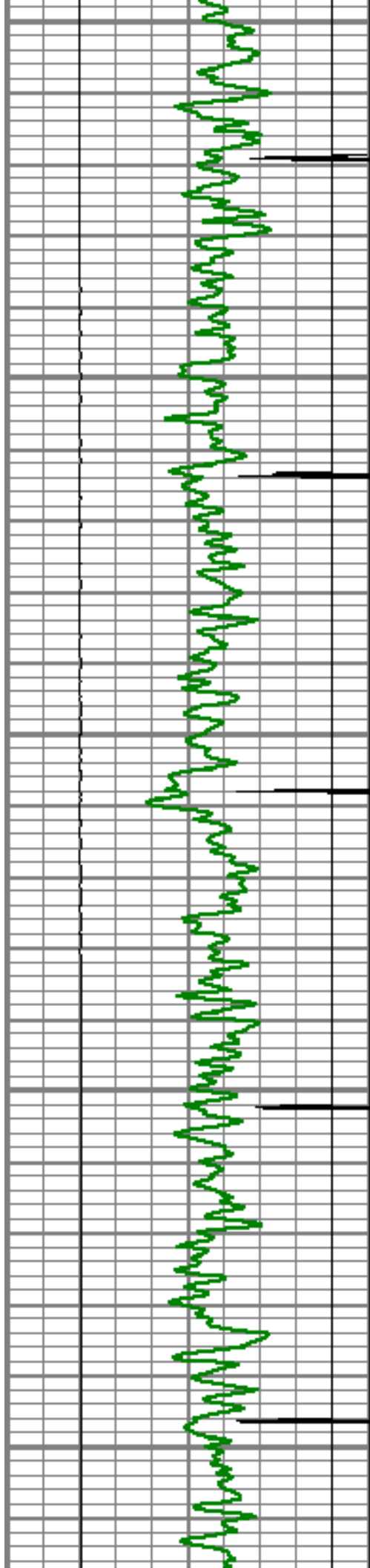
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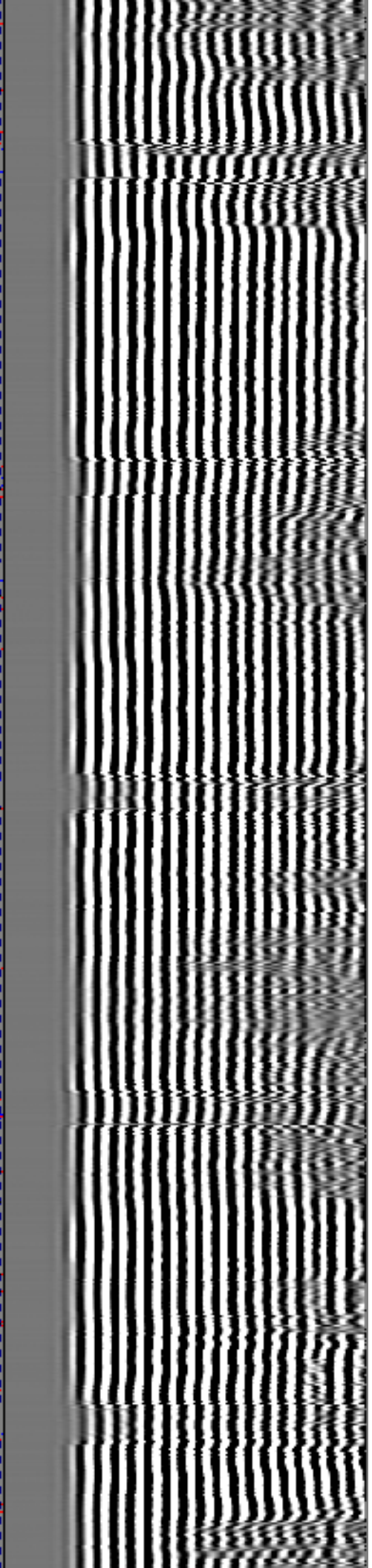
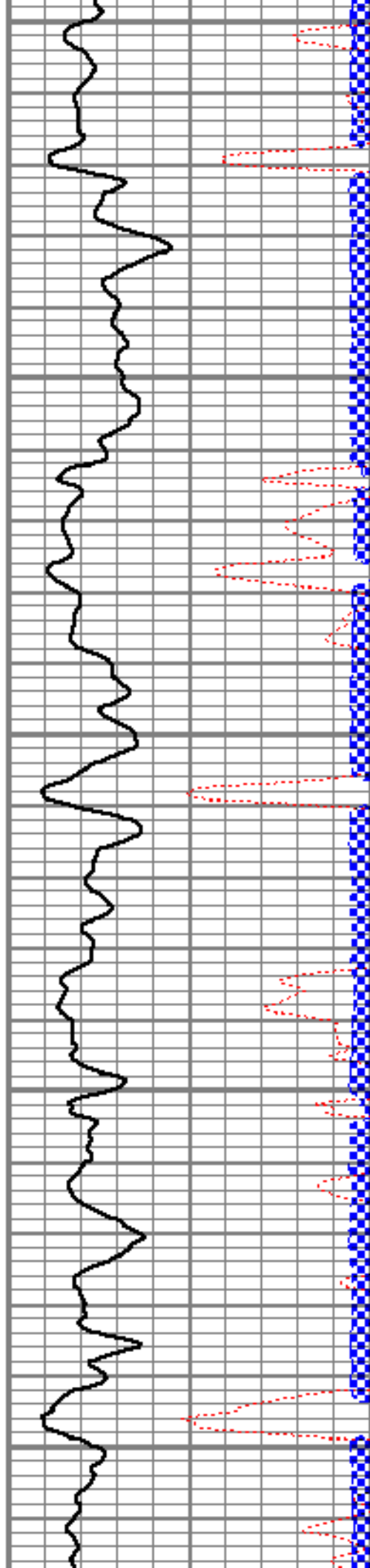
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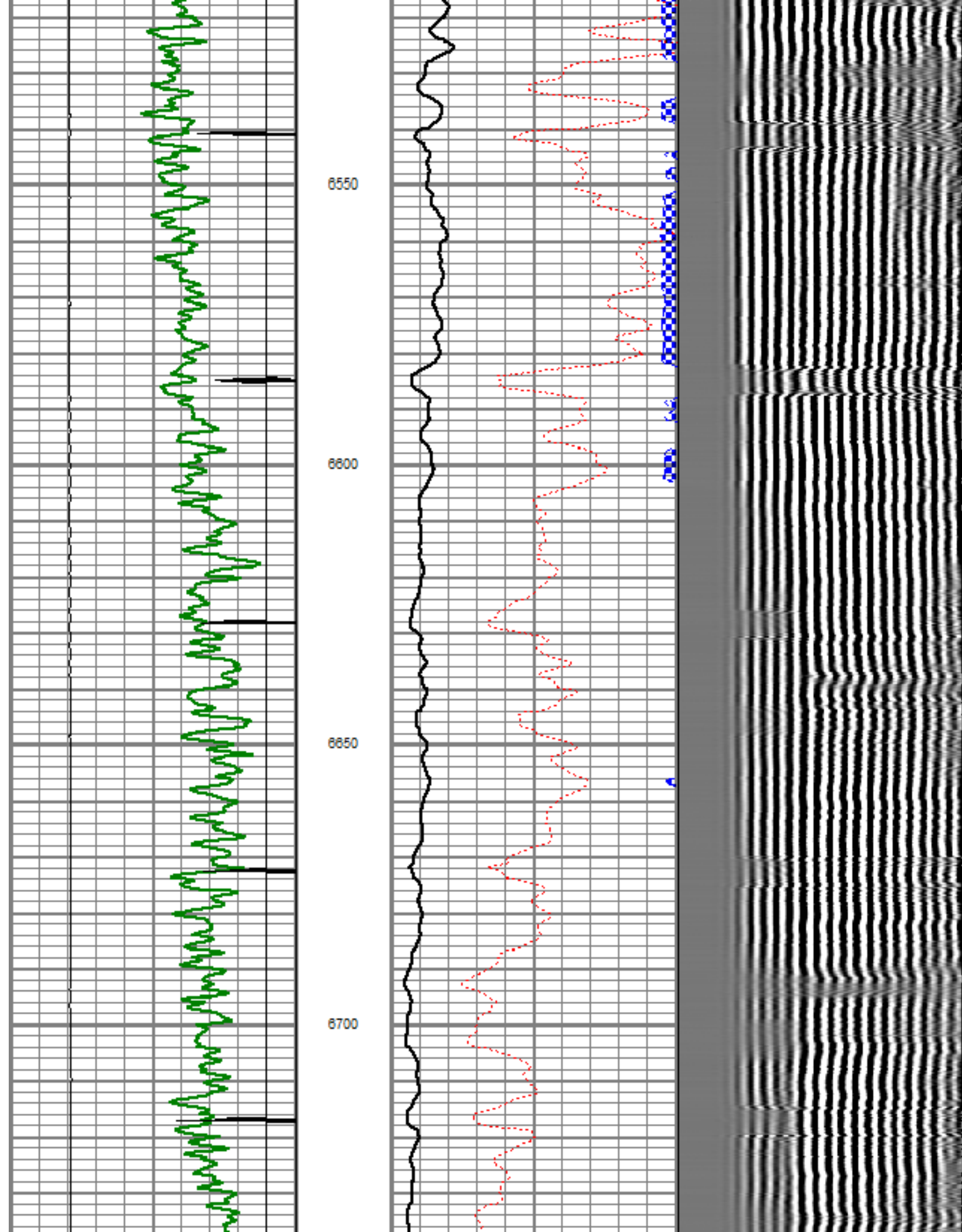
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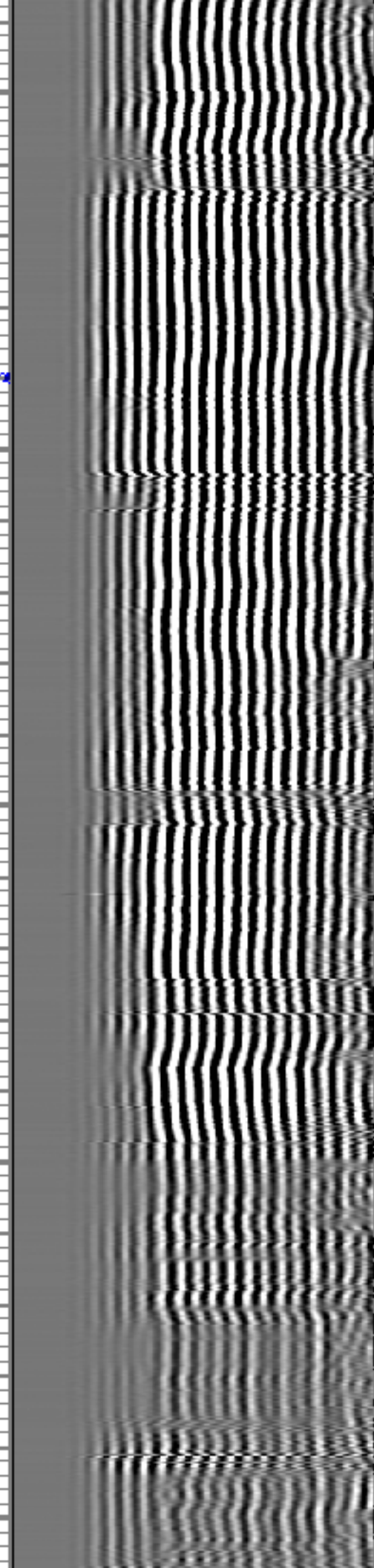
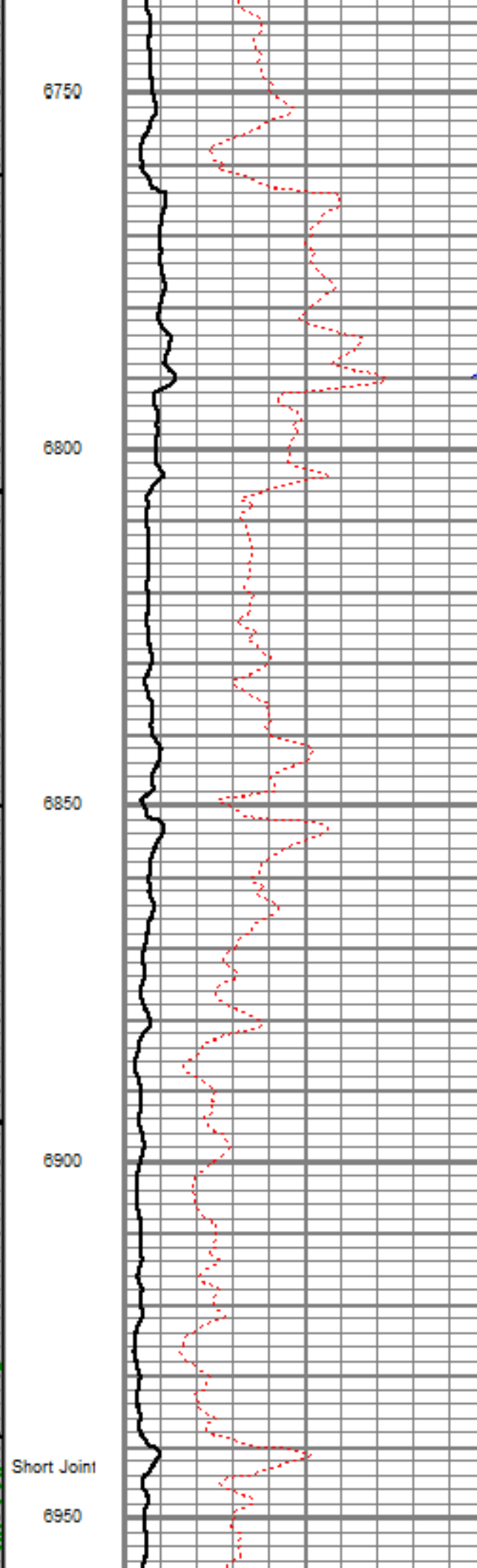
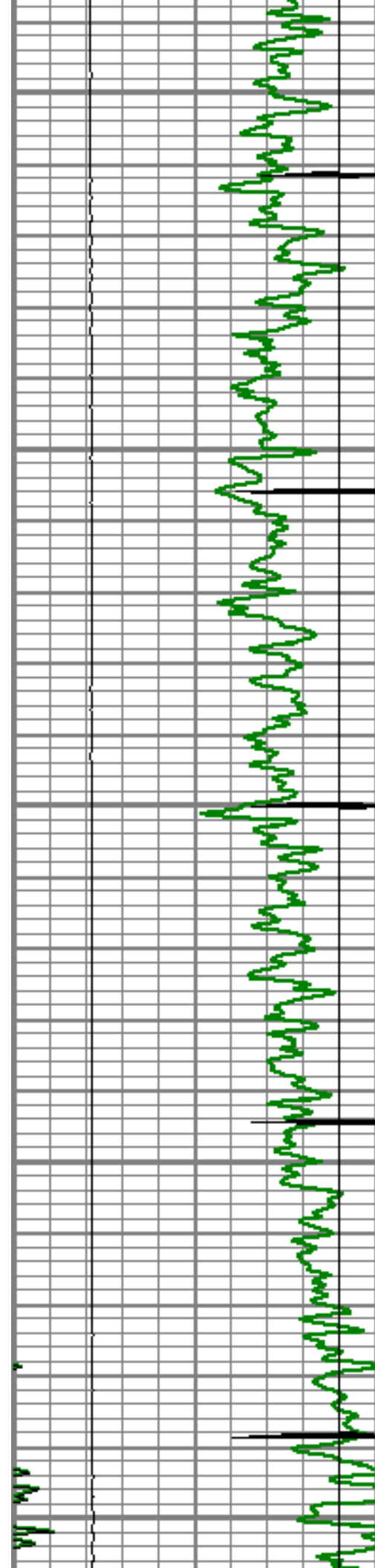
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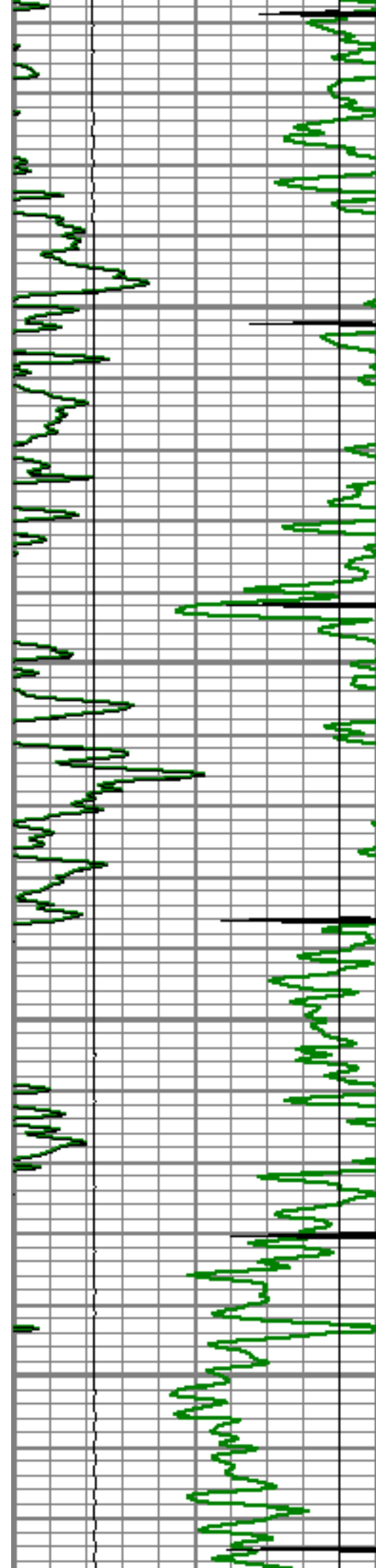
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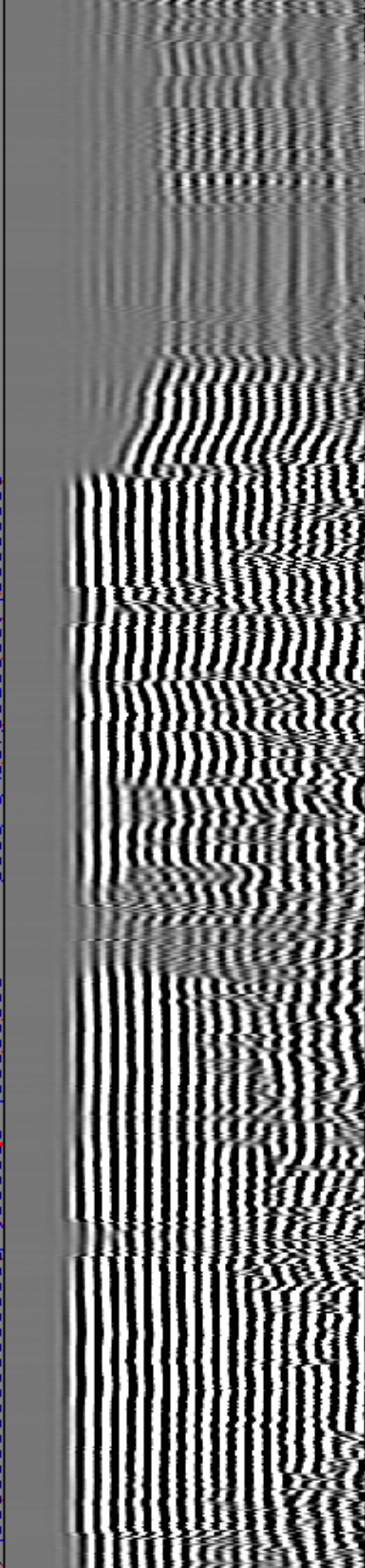
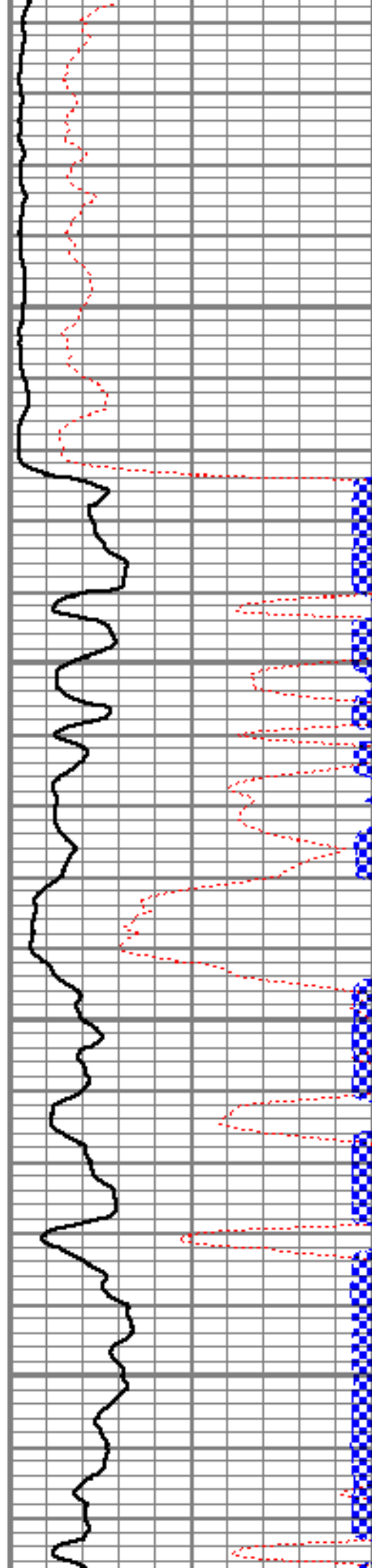


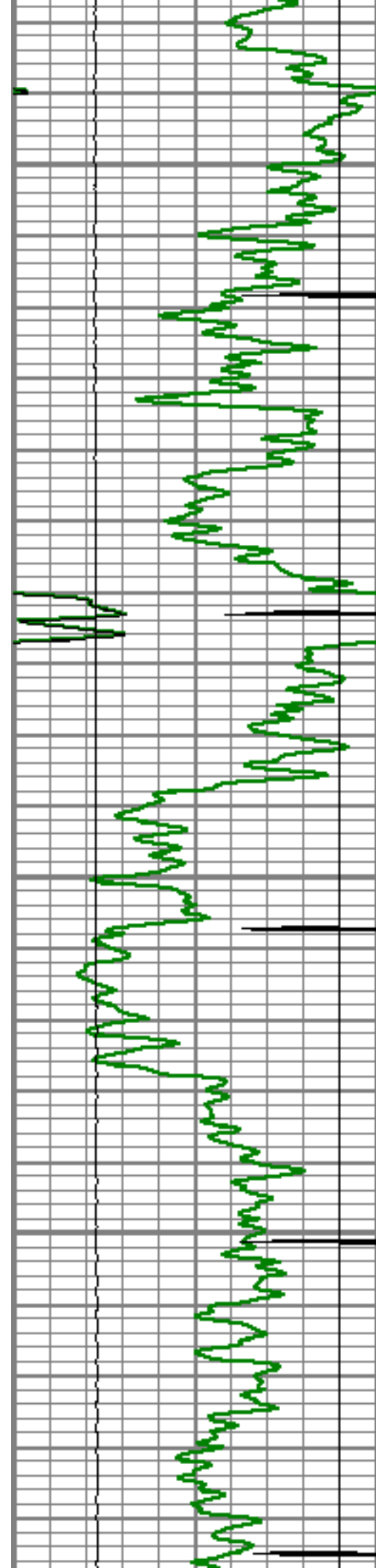
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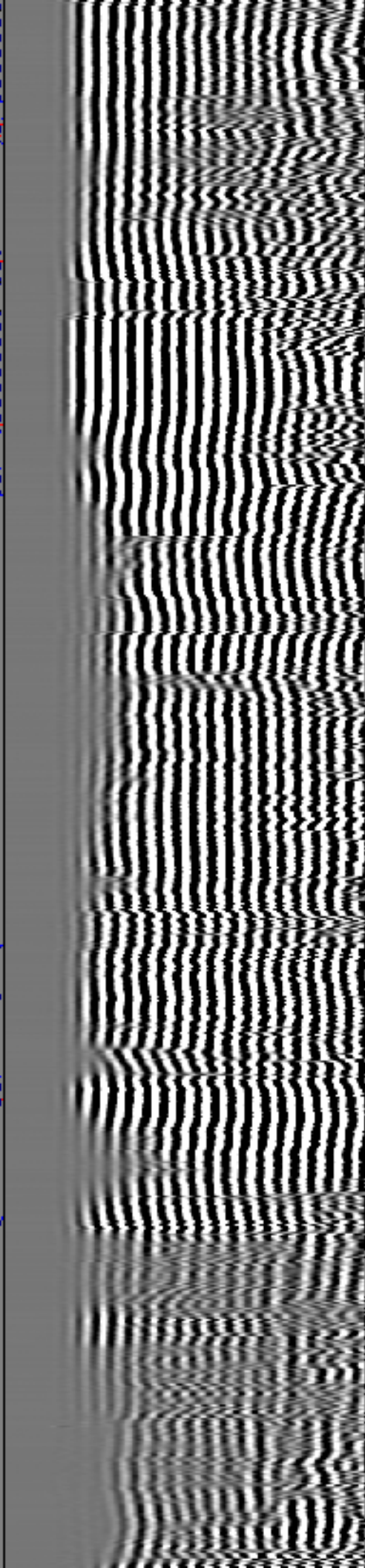
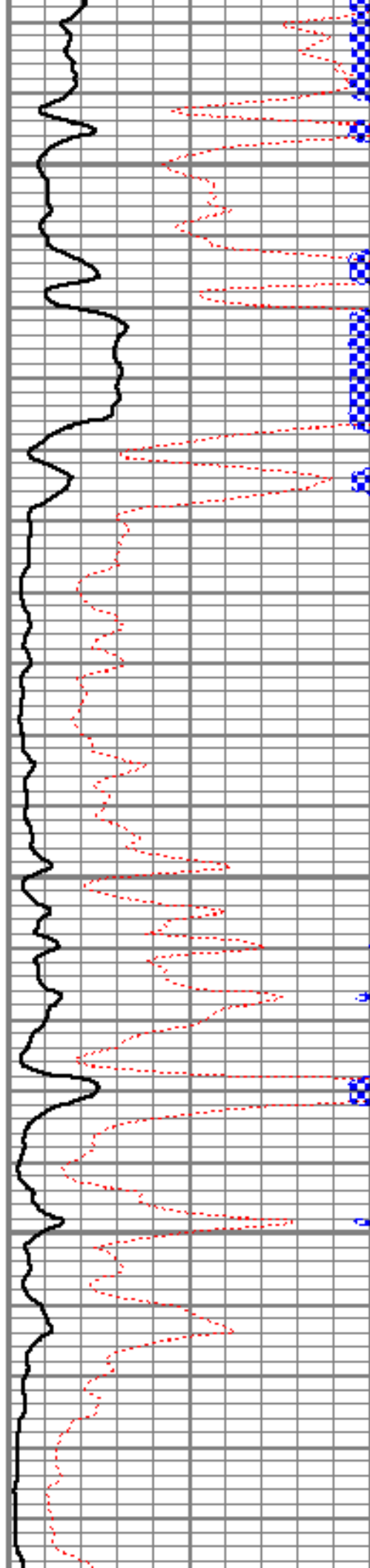


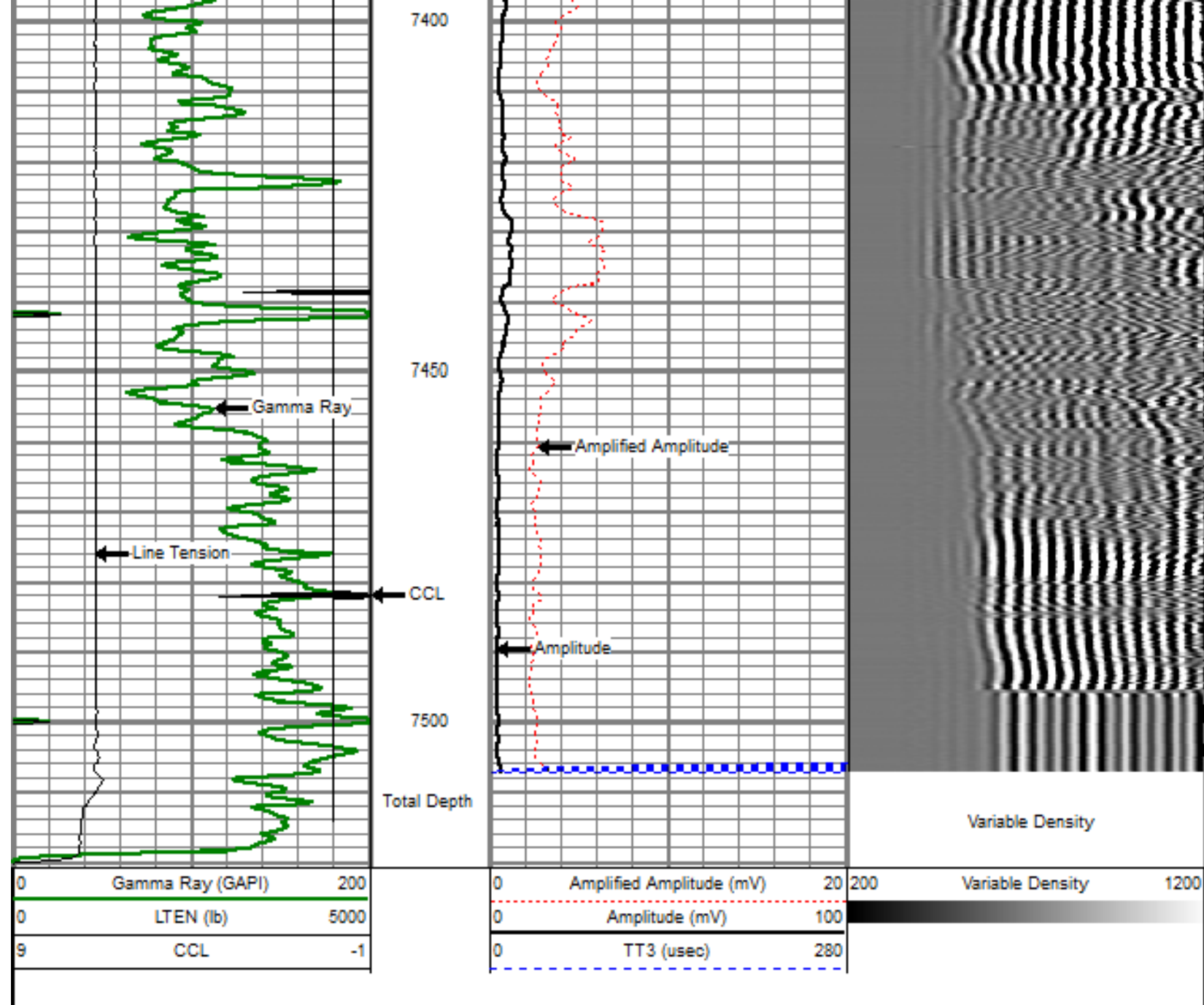
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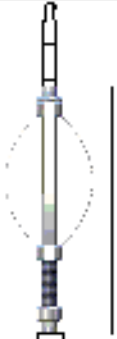
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7300


7350


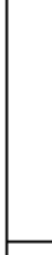




Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
titan			Titan Cable Head Go Pin.	1.02	1.44	1.50
Centralizer-Probe (CENT-PROBE-1)			Probe Bowspring Centralizer	2.88	2.75	10.00

WVF3	13.69		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77.1) Probe 2.75" Dual Receiver Bond	2.75	60.00	
WVF5	12.69					
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL	5.33		CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_02.02) Probe 2 Magnet CCL	2.75		
GR	0.75		GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	2.75	30.00
<div>Dataset: schlotthauer13-23.db: field/well/run1/pass8oh</div> <div>Total Length: 22.10 ft</div> <div>Total Weight: 111.50 lb</div> <div>O.D. 2.75 in</div>						

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HEADVOLT	16.25		Titan 1 7/16" Cable Head	1.00	1.44	1.00
			2 3/4 Probe	2.83	2.75	20.00

WVF3FT	11.58		RBT-Probe (110217) Probe Radial Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.58					
WVFS1	11.58					
WVFS2	11.58					
WVFS3	11.58					
WVFS4	11.58					
WVFS5	11.58					
WVFS6	11.58					
WVFS7	11.58					
WVFS8	11.58					
WVF5FT	10.58					
CCL	3.67		2_3/4 Probe	2.83	2.75	20.00
IntTemp	2.00					
ACCX	1.83					
ACCY	1.83					
ACCZ	1.83					
GR	0.83					
			GR-275D_INC (DIG110255) 2-3/4" GR-CCL with Inclination	4.50	2.75	
Dataset: schlotthauer13-23.db: field/well/run1/pass16 Total Length: 20.08 ft Total Weight: 131.00 lb O.D. 2.75 in						



Company
Well
Field
County
State

BAYSWATER EXPLORATION & PRODUCTION LLC.
SCHLOTTHAUER 13-23
WATTENBERG
WELD
COLORADO