



CEMENT BOND LOG

Mesa Wireline

Company ENCANA OIL & GAS (USA) INC
Well ARISTOCRAT ANGUS 4-2-3
Field WATTENBERG
County WELD
State COLORADO

Company ENCANA OIL & GAS (USA) INC
Well ARISTOCRAT ANGUS 4-2-3
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-33108-000
SHL: 885' FNL & 2108' FWL
BHL: 1320' FNL & 2600' FWL
SEC: 3 TWP: 3N RGE: 6SW
Permanent Datum GROUND LEVEL Elevation 4765'
Log Measured From KELLY BUSHING = 12'
Drilling Measured From KELLY BUSHING
Other Services
NONE
Elevation
K.B. 4777'
D.F. 4776'
G.L. 4765'

Date 7 DECEMBER 2011

Run Number	ONE
Depth Driller	7752'
Depth Logger	7706'
Bottom Logged Interval	7706'
Top Log Interval	2950'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.3#
Max. Recorded Temp.	274 DEG F
Estimated Cement Top	3210'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	10901 PRD 01
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'	UNKNOWN				
TWO	7.875"	0'	7765'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0'	UNKNOWN
Prot. String				
Production String	4.5"	11.6#	0'	7752'
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 19 NOVEMBER 2011
SHORT JOINT 6767' - 6789'

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



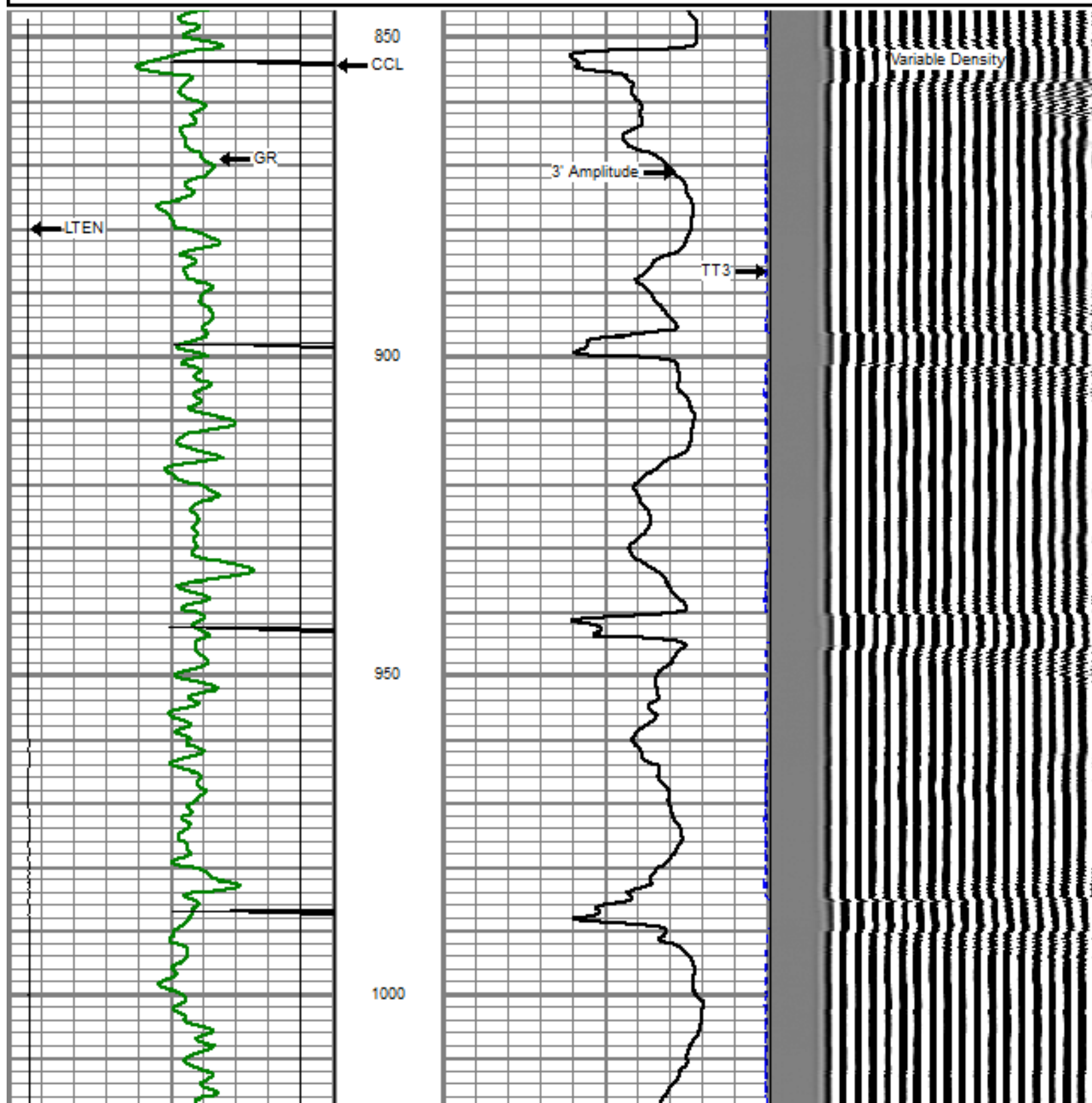
TOP PASS

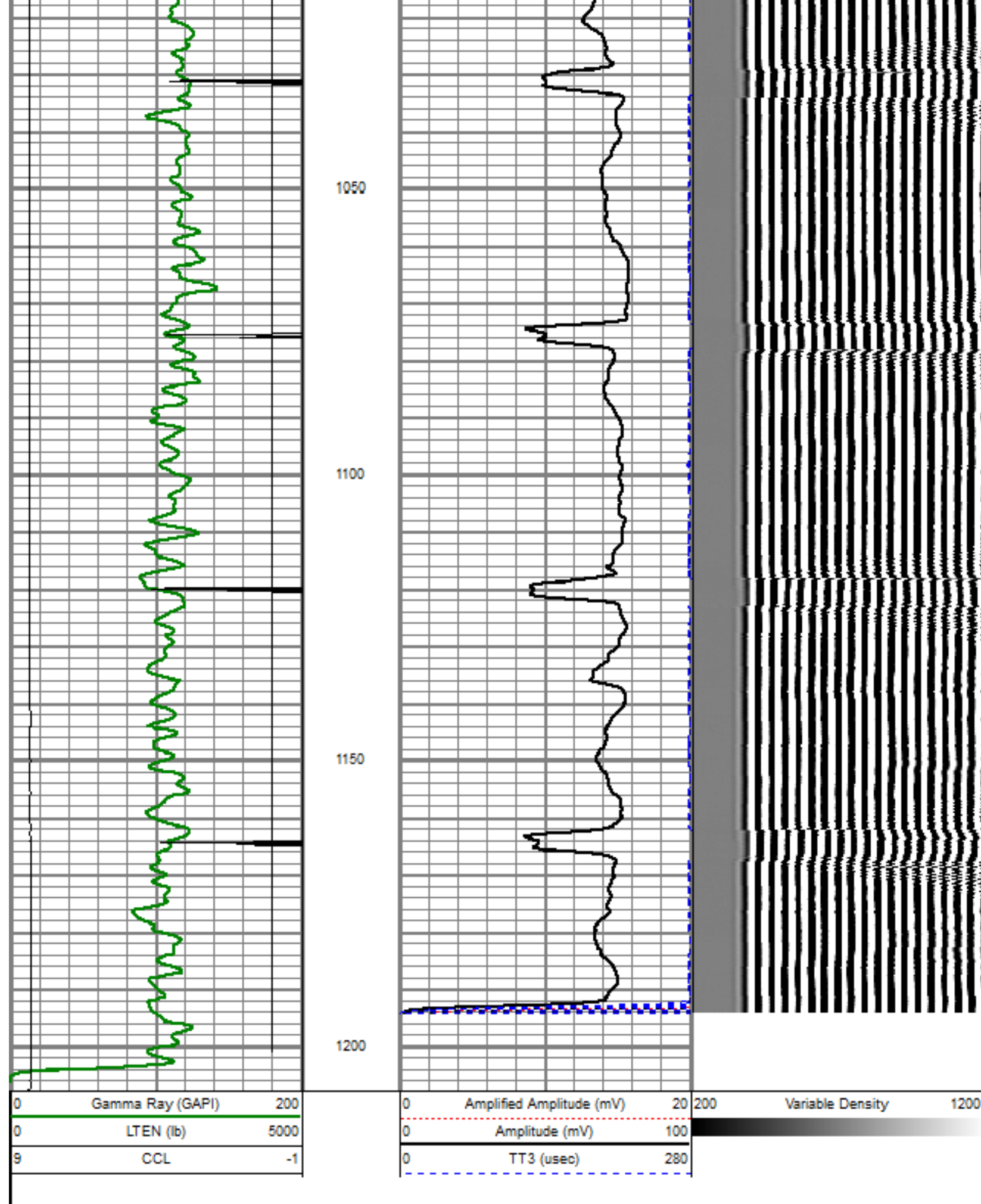
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Dataset Pathname: pass4.2
Presentation Format: dobl_prb
Dataset Creation: Wed Dec 07 12:50:10 2011 by Calc SCH 110722
Charted by: Depth in Feet scaled 1:240

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

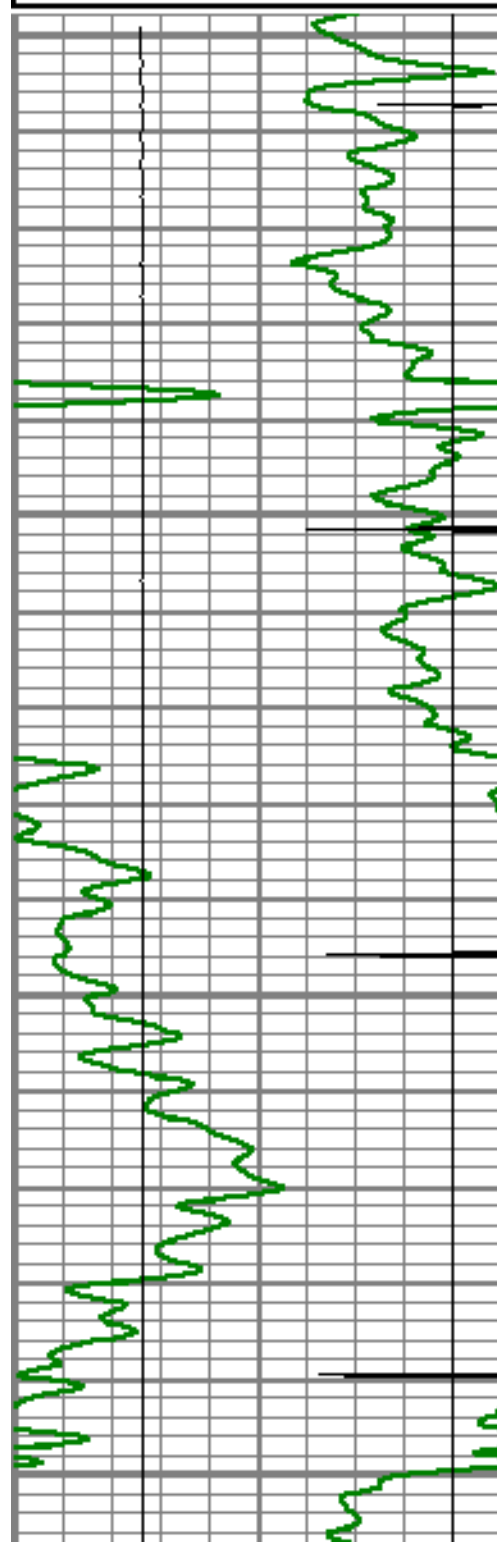




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0	LTEN (lb)	5000
9	CCL	-1

0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	Amplitude (mV)	100			
0	TT3 (usec)	280			

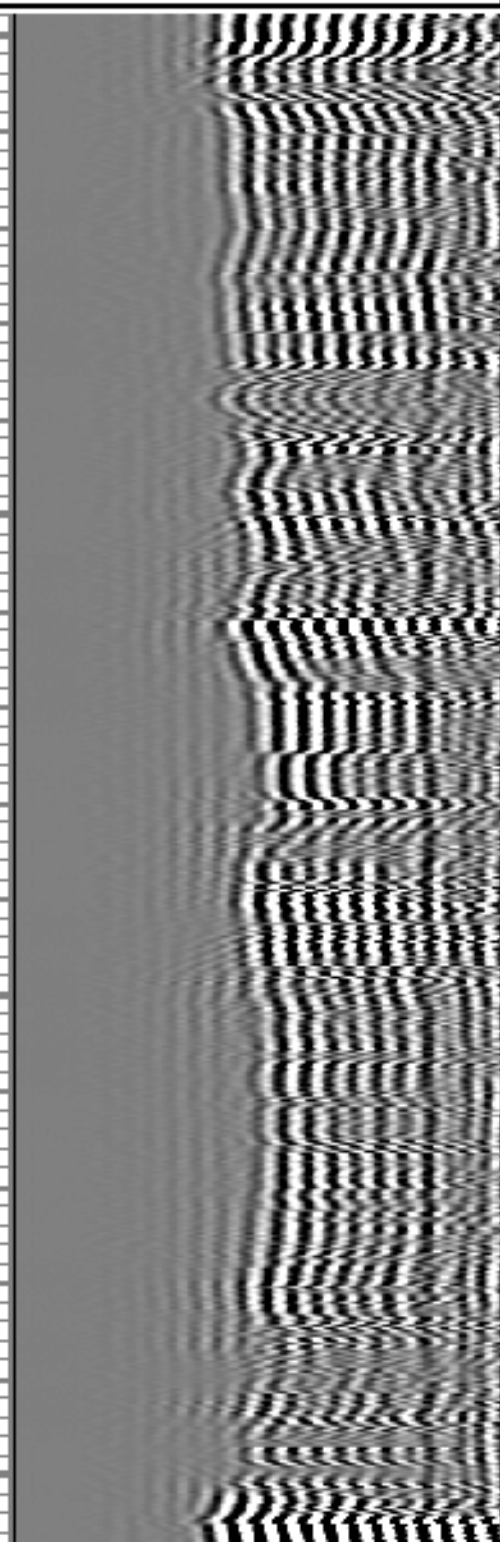
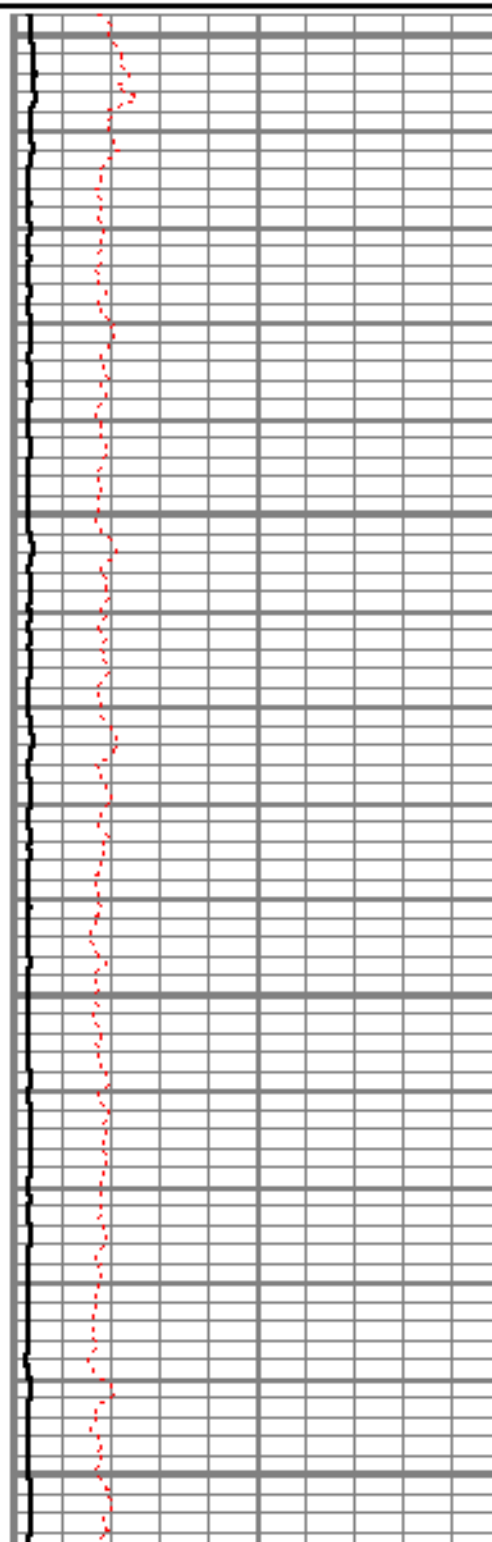


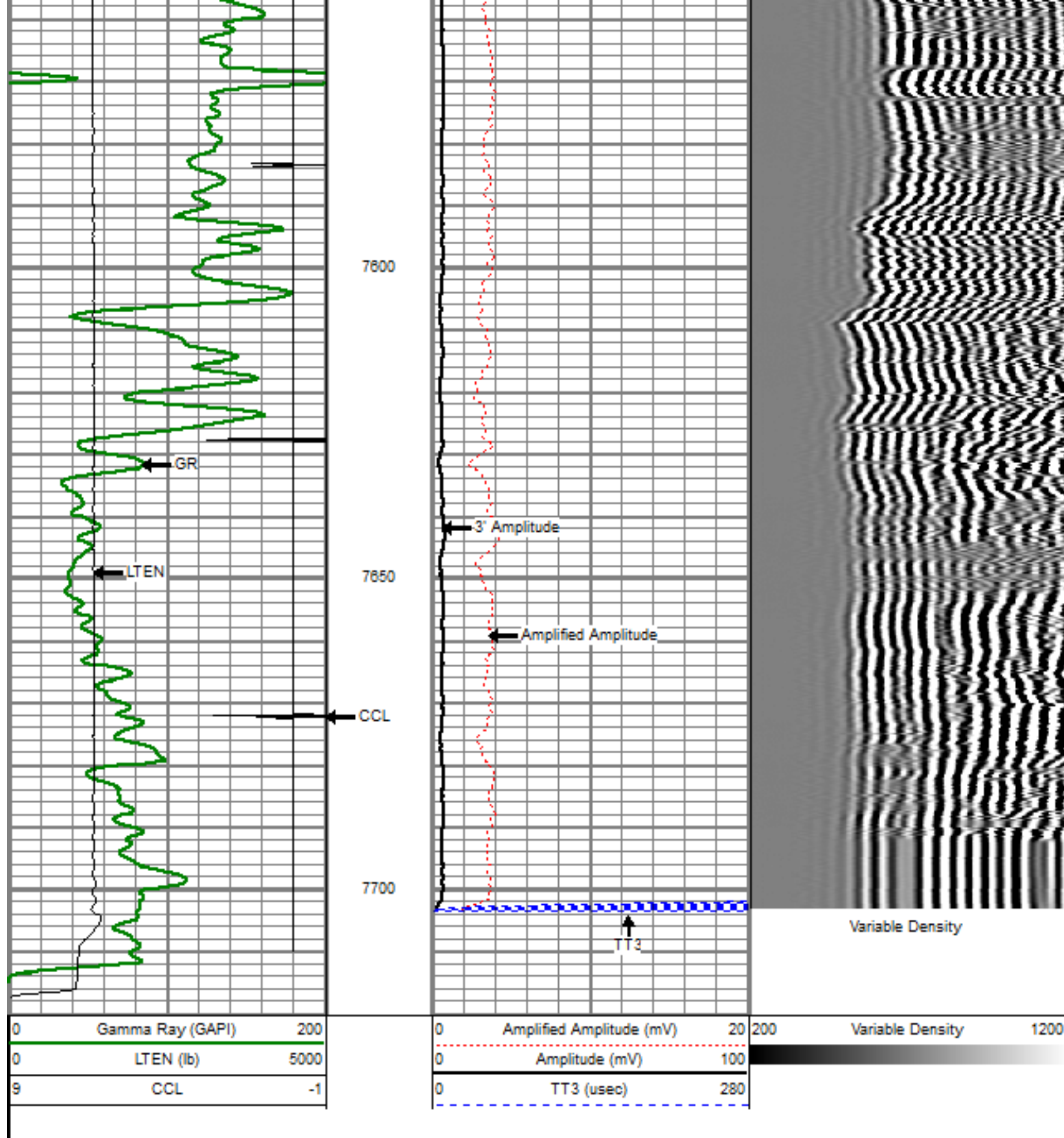
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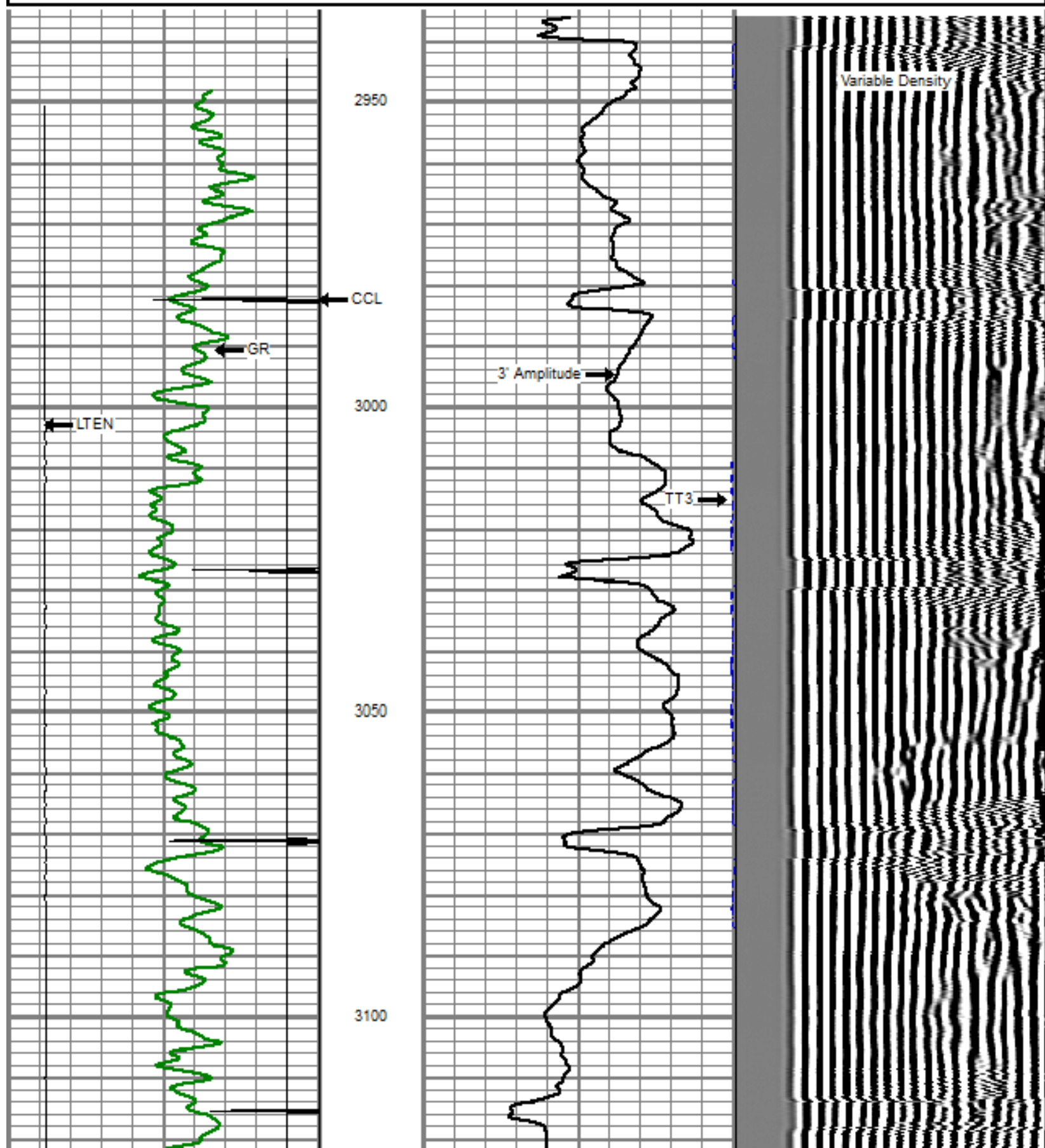
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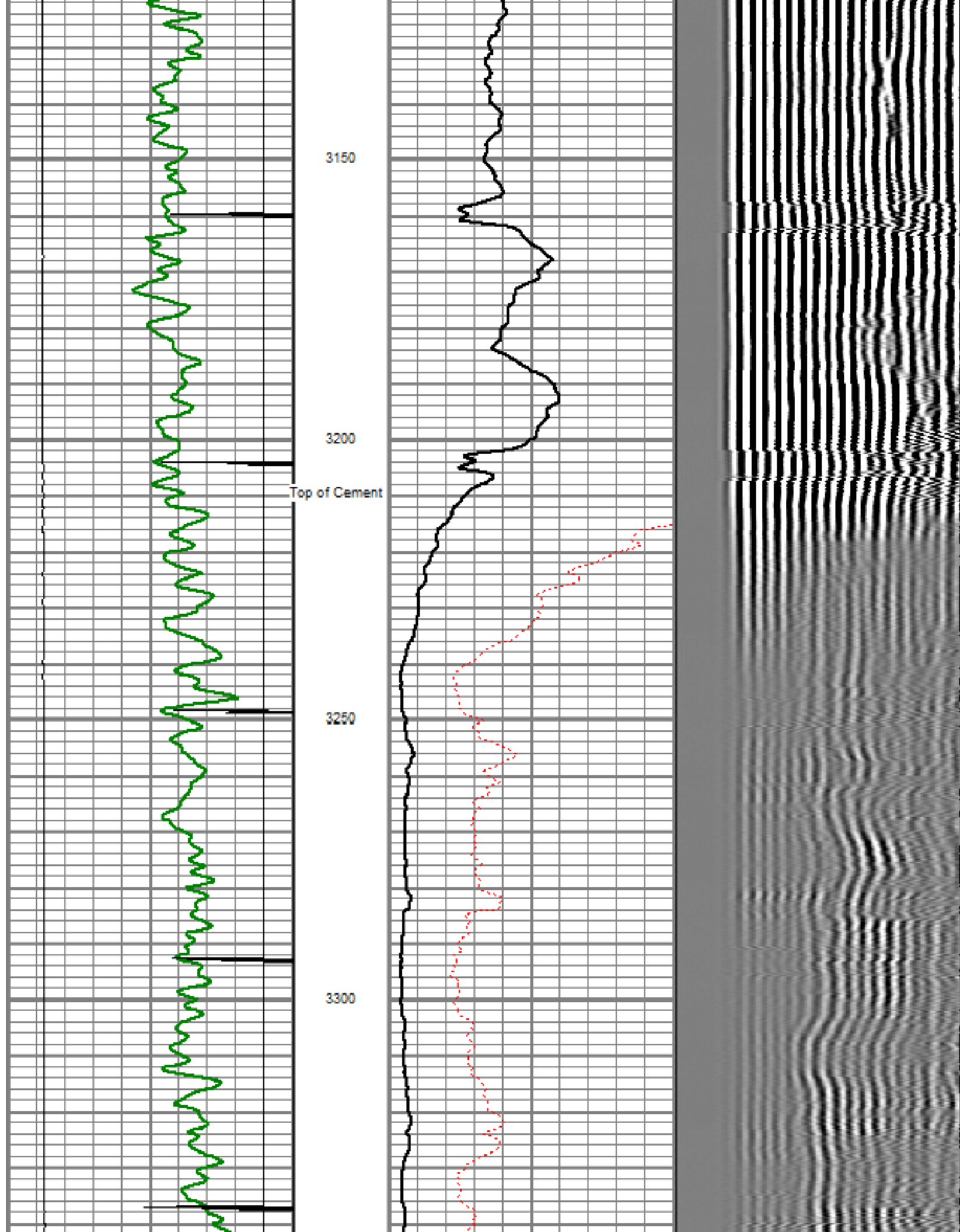
5" = 100'

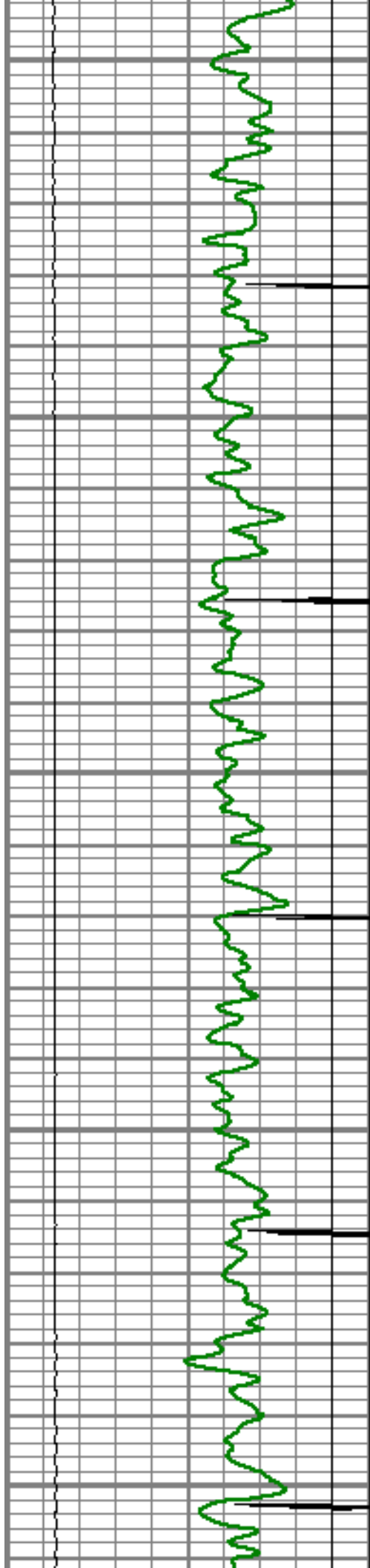
0	Gamma Ray (GAPI)	200
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9	CCL	-1

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

200	Variable Density	1200
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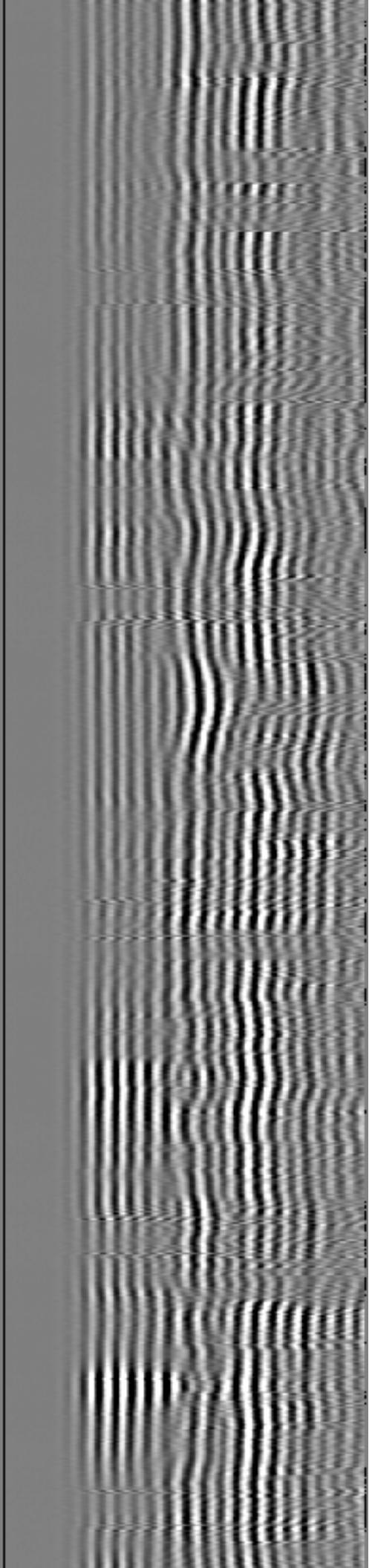
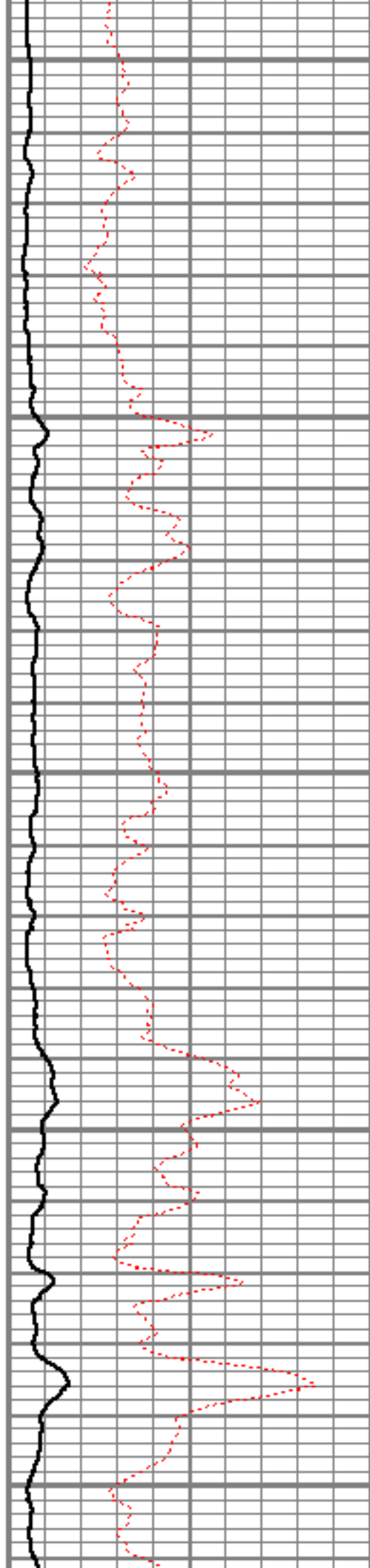
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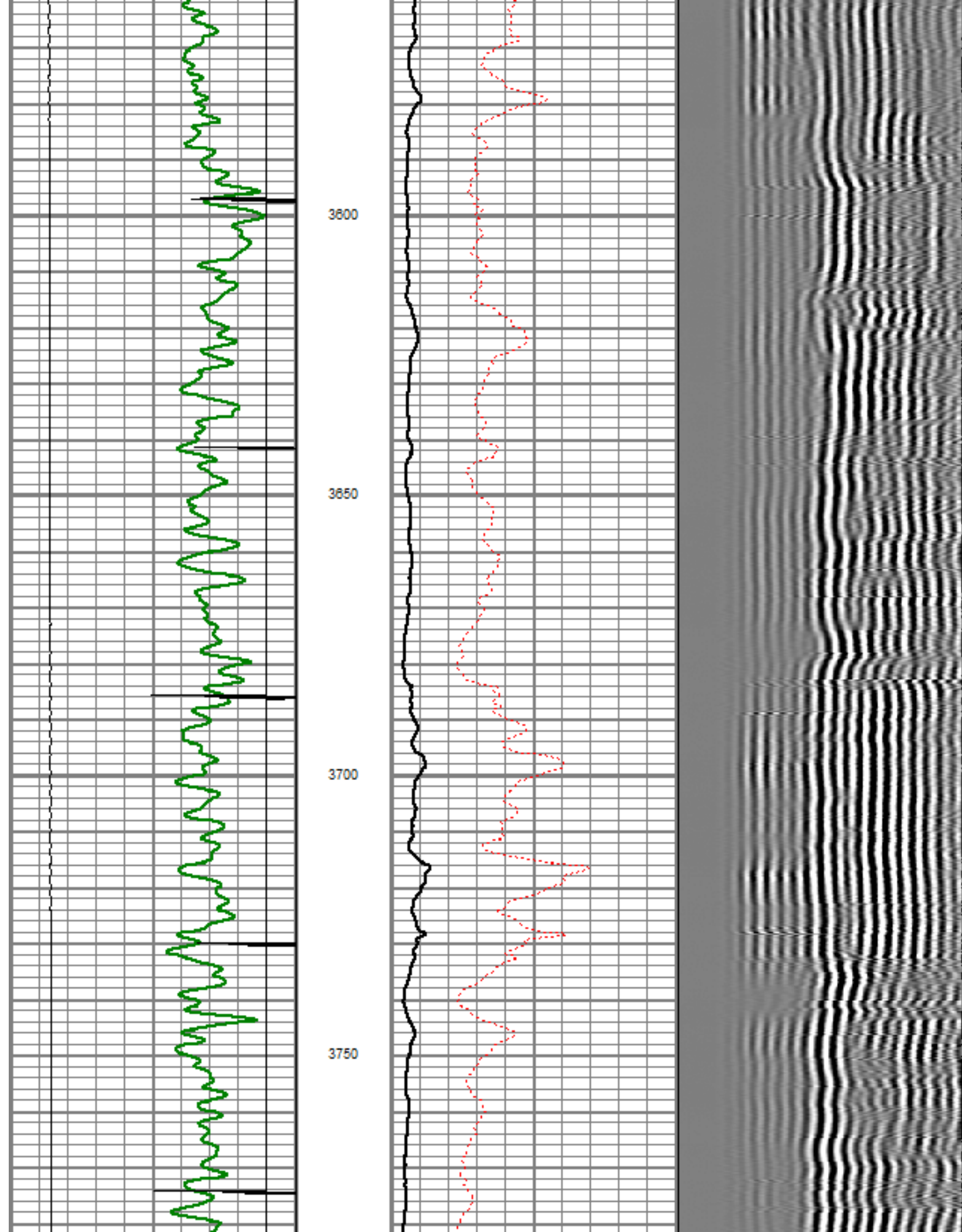
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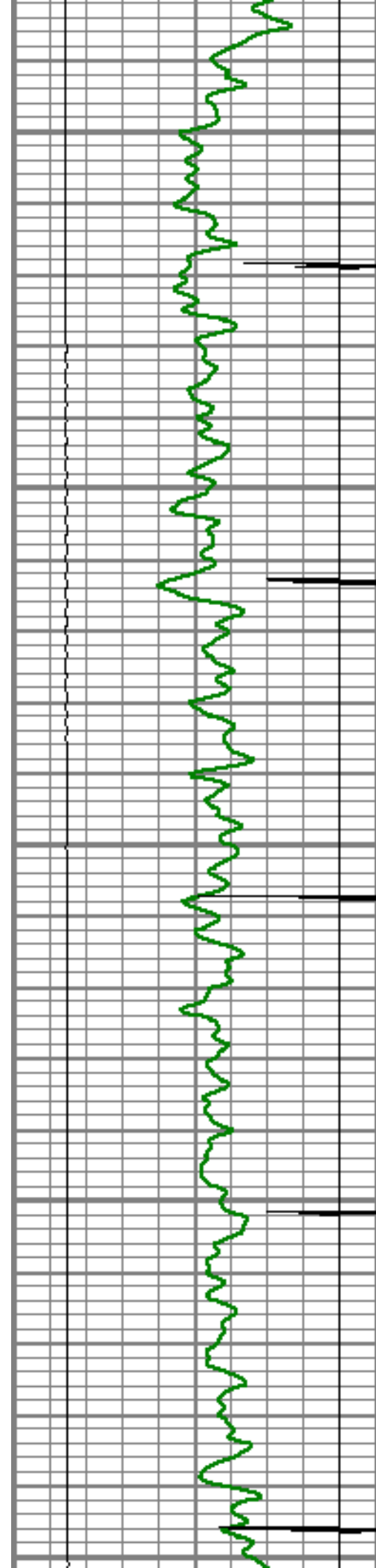
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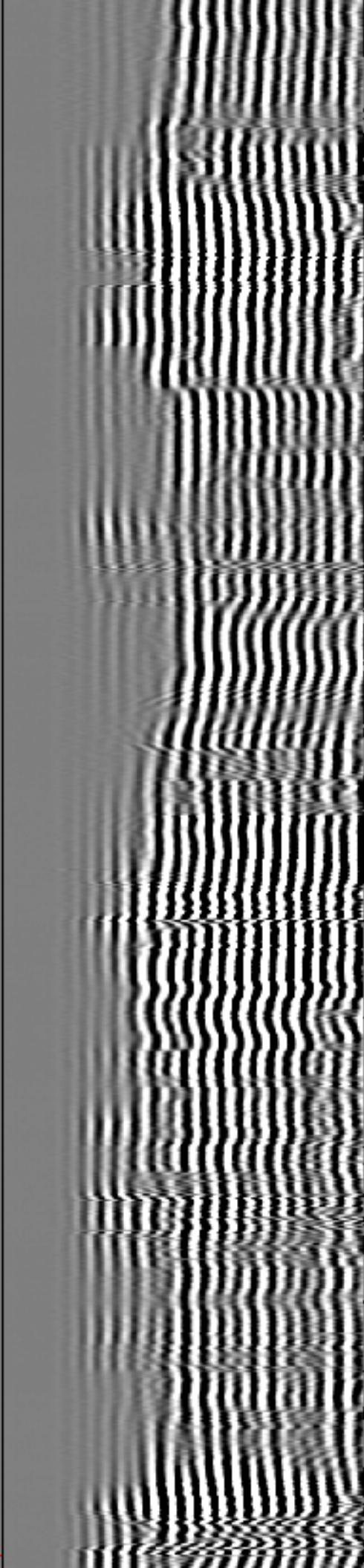
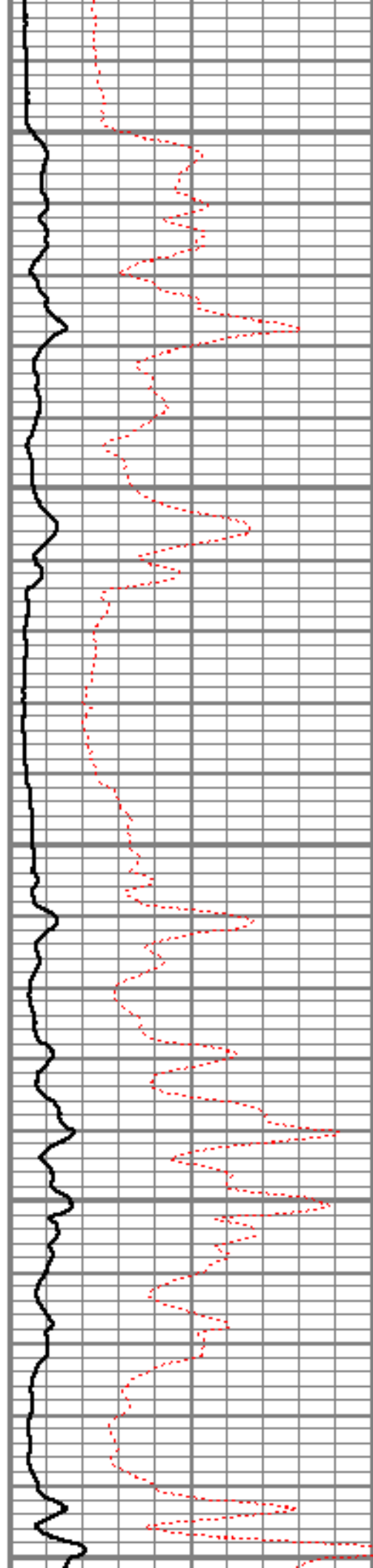
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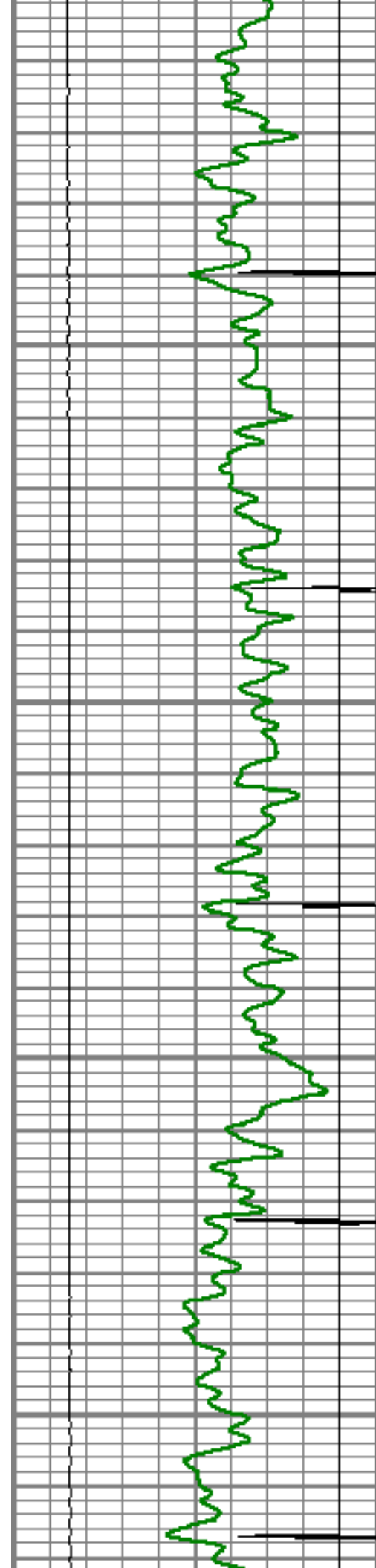
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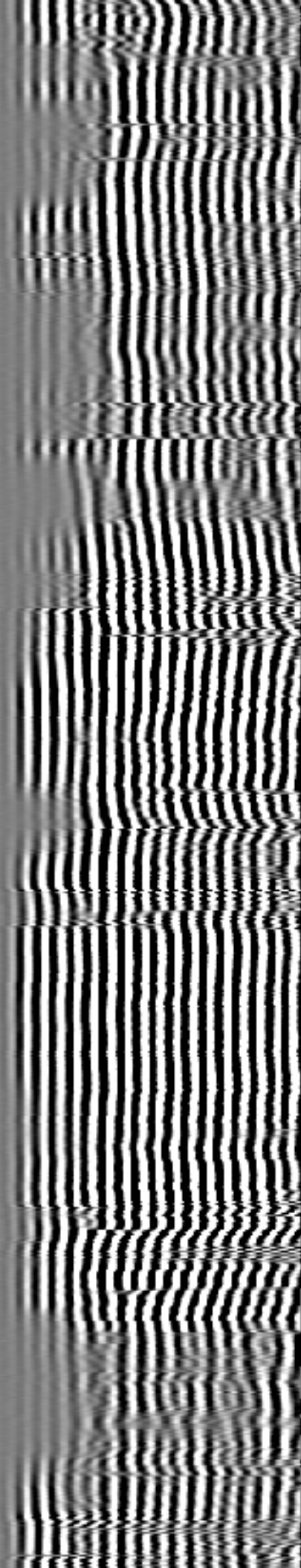
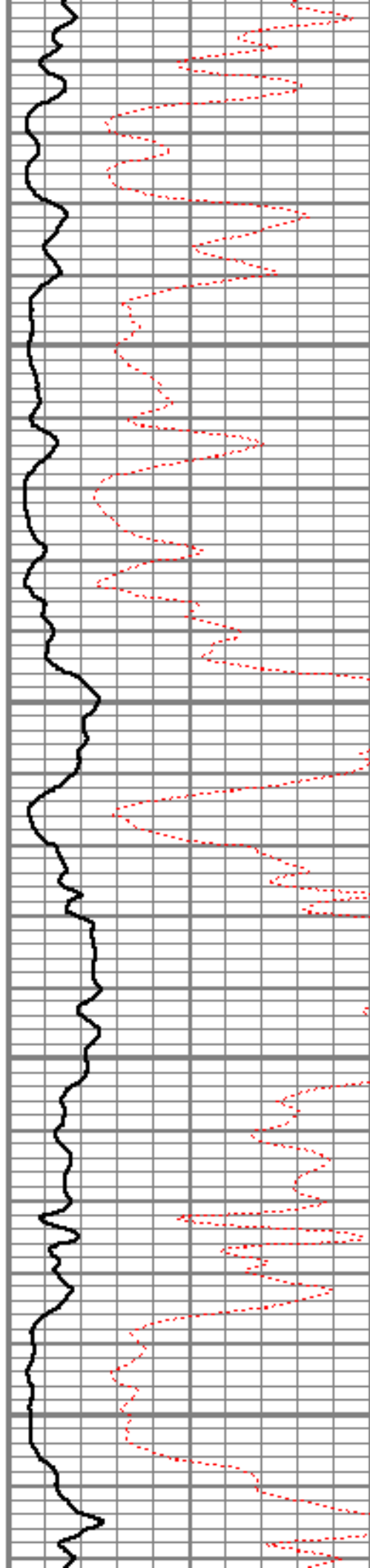


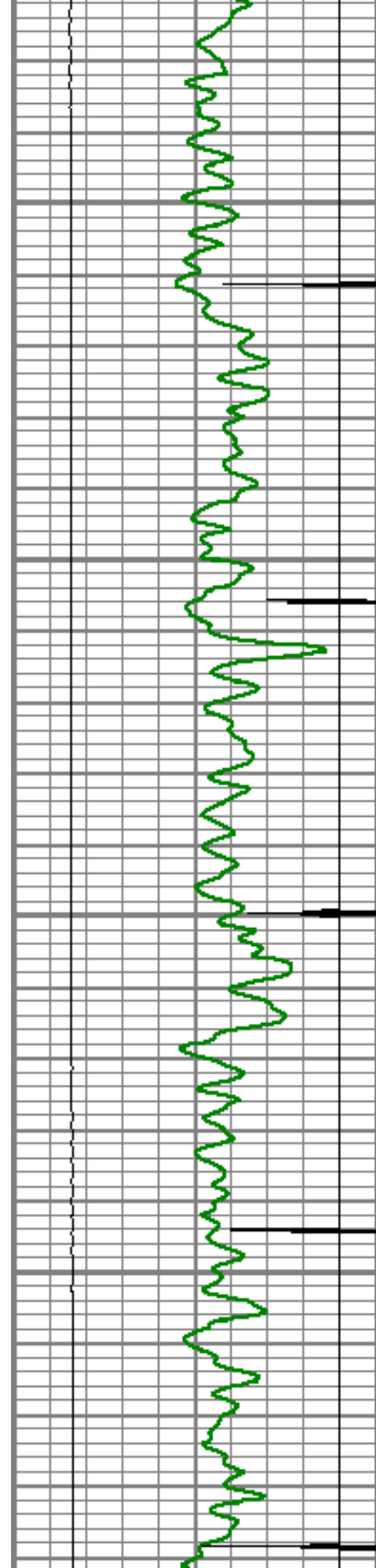
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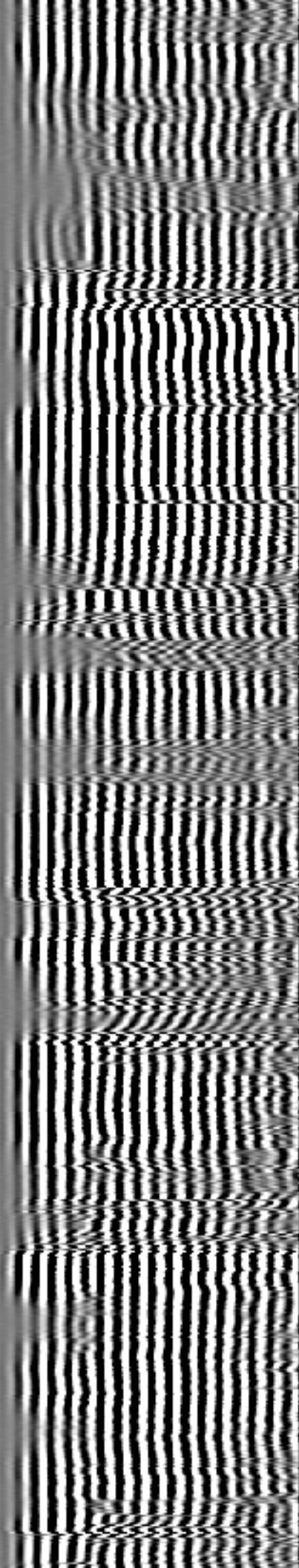
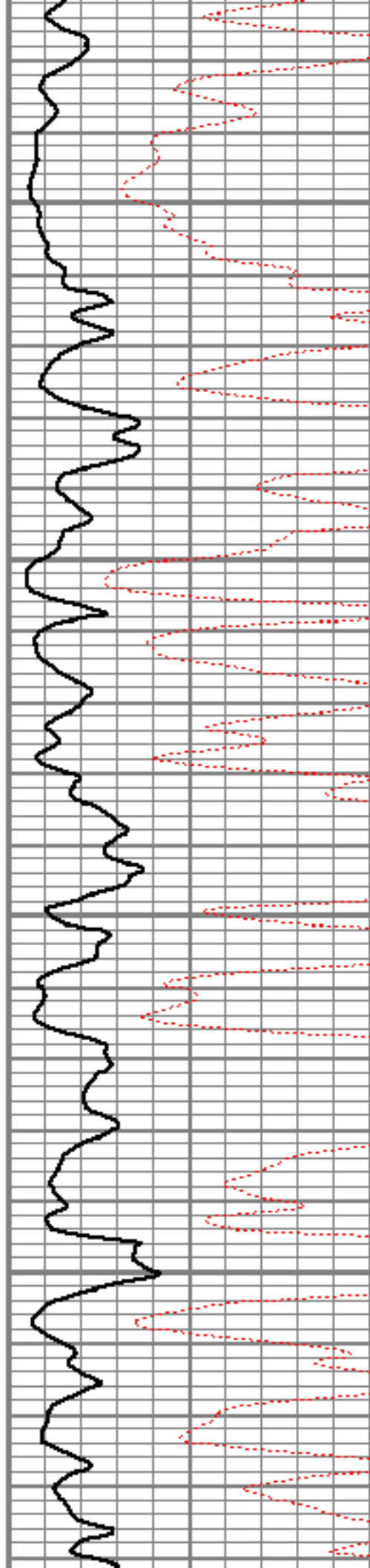


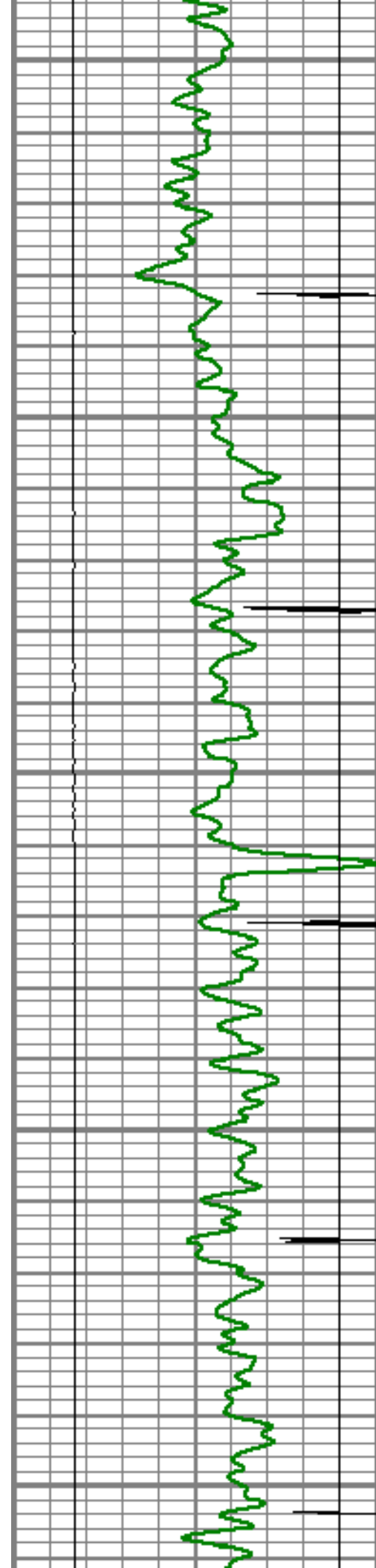
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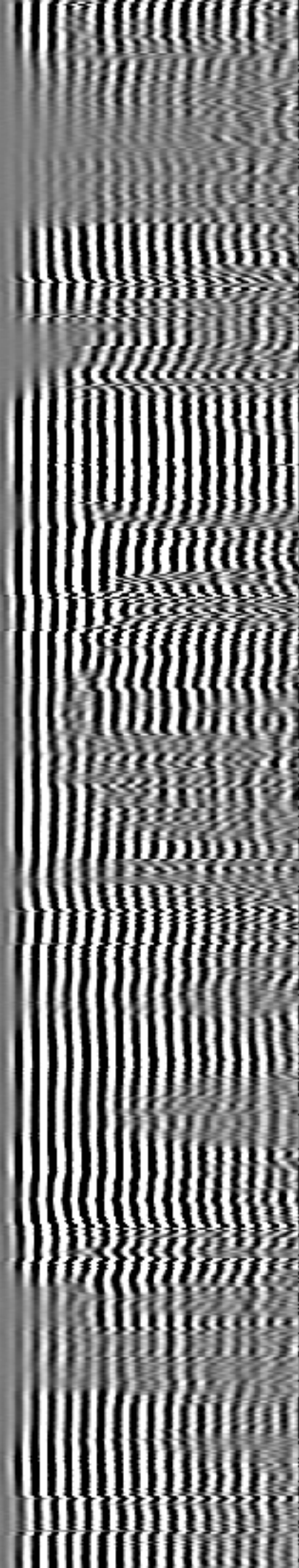
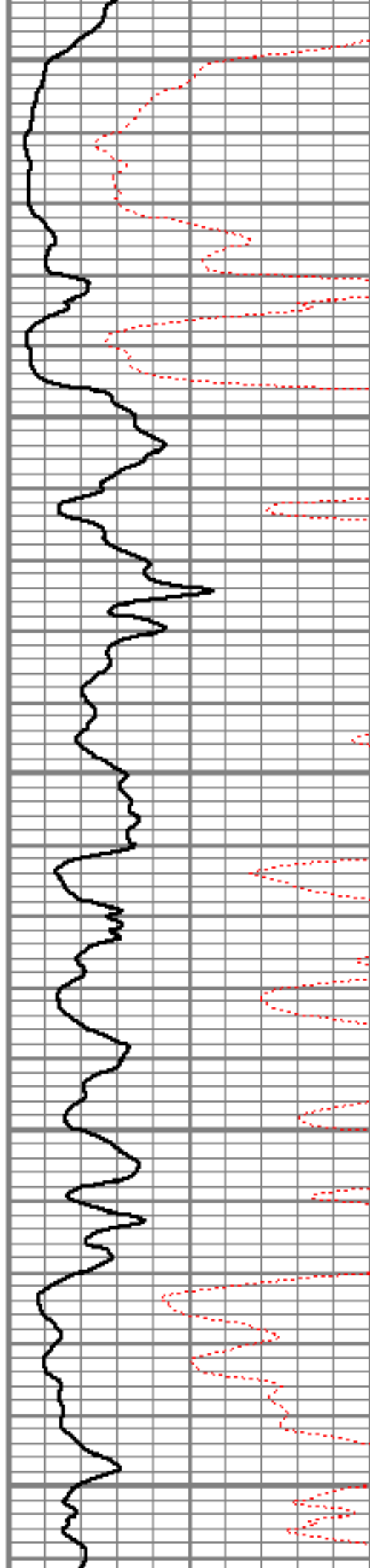
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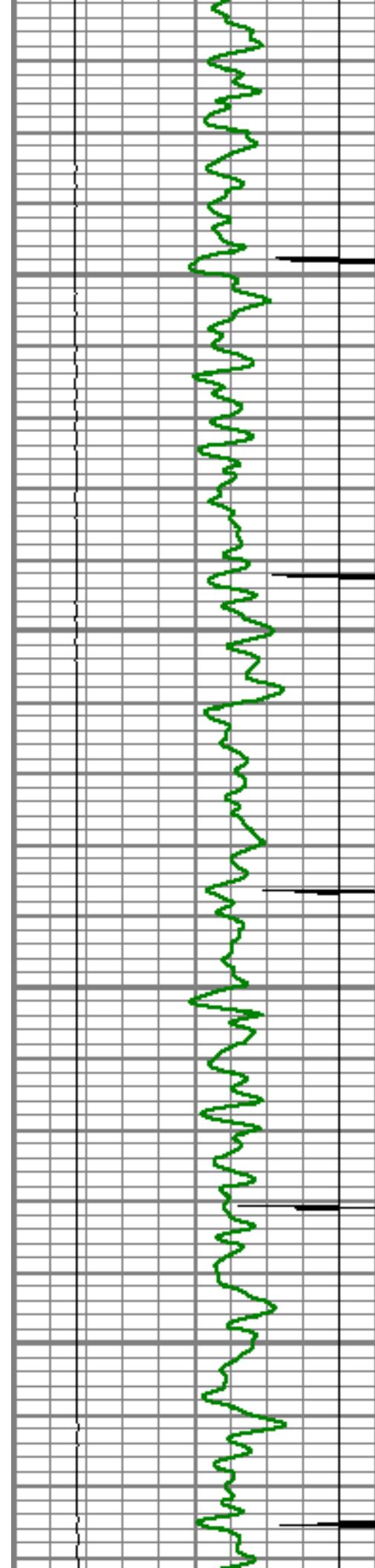
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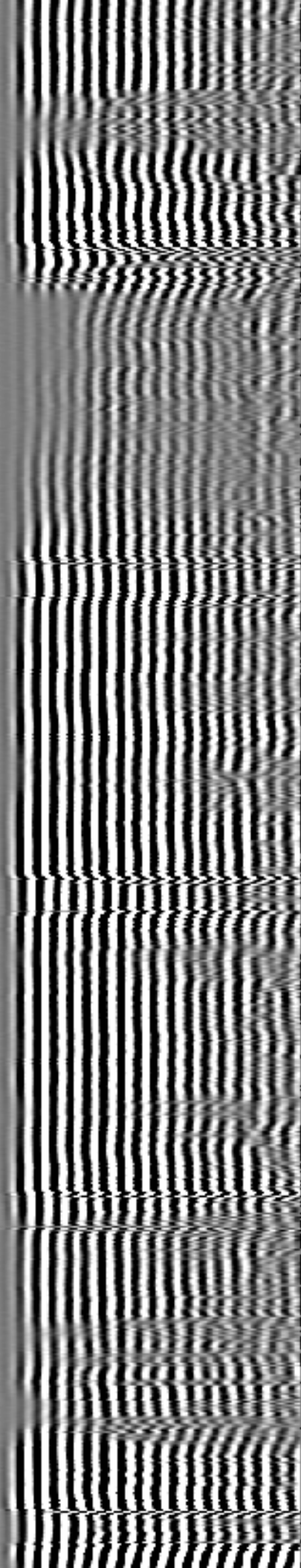
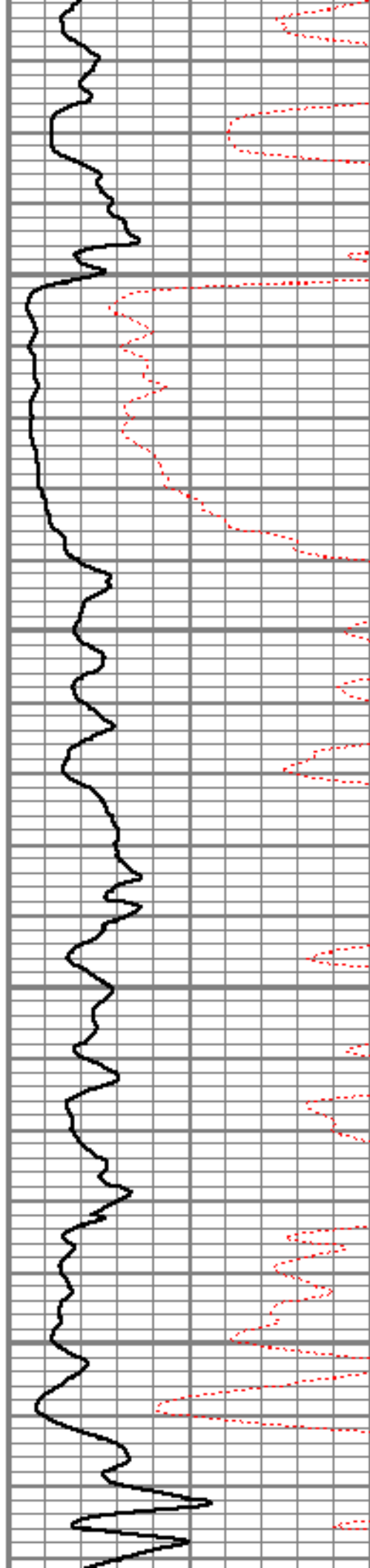


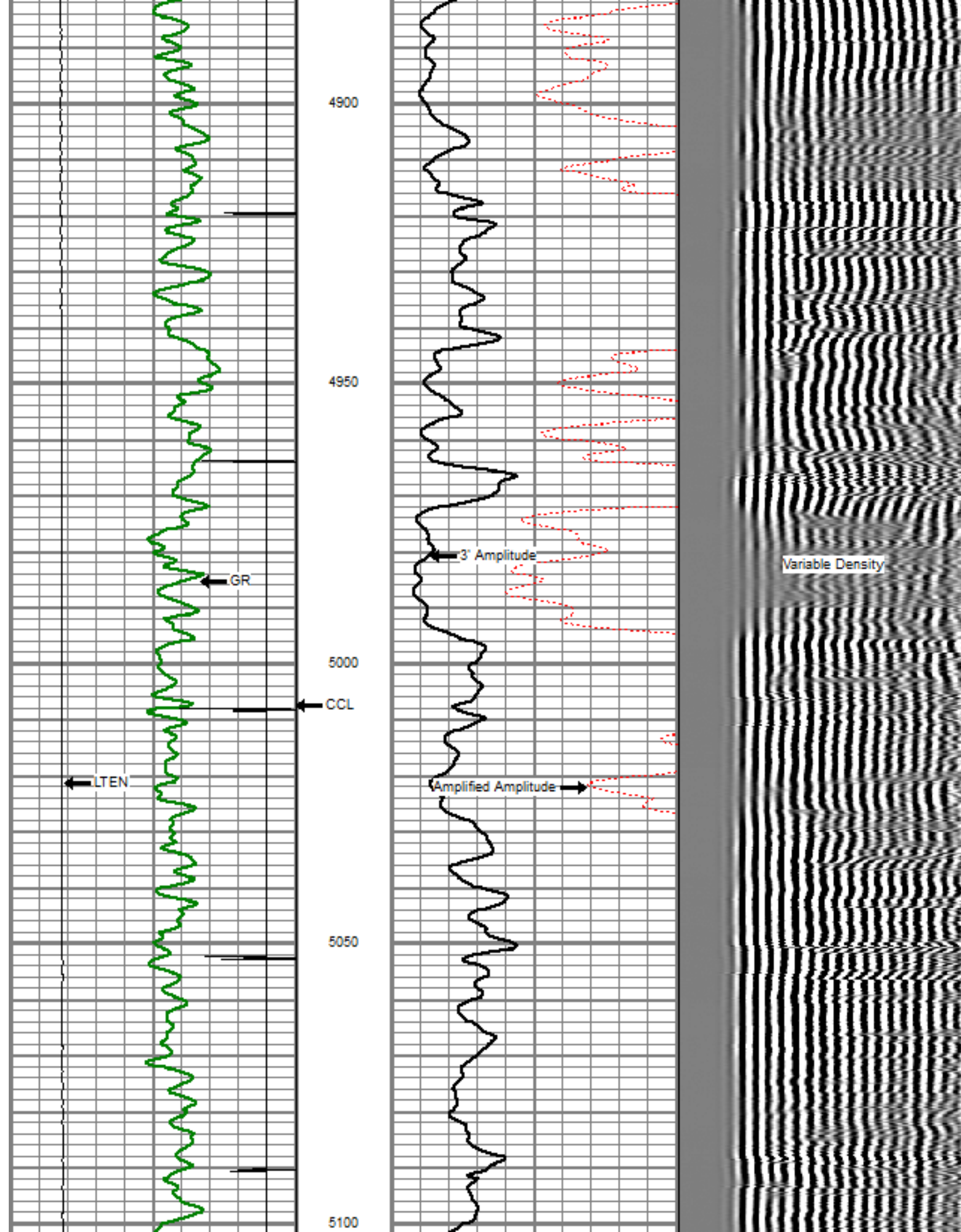
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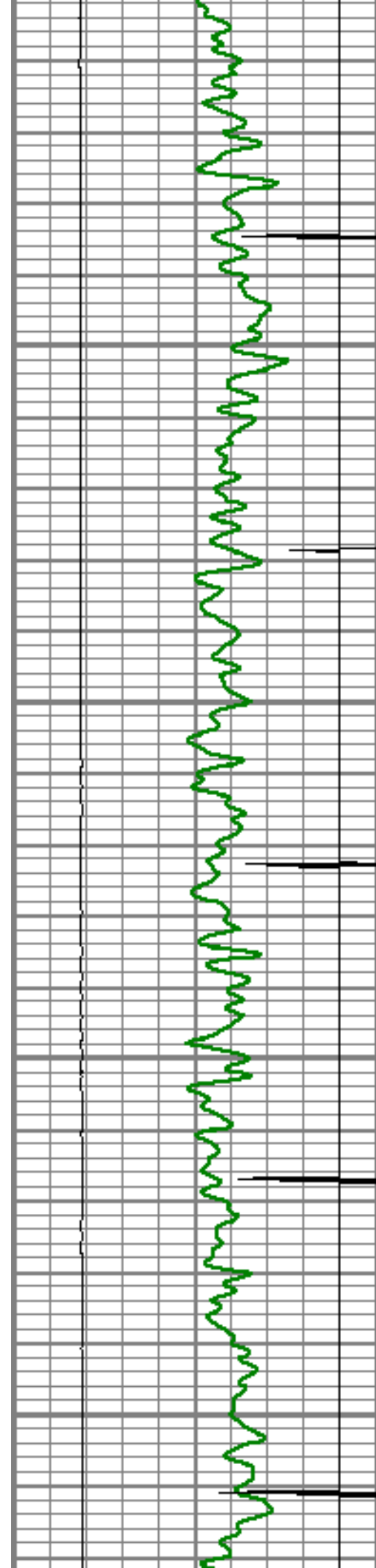
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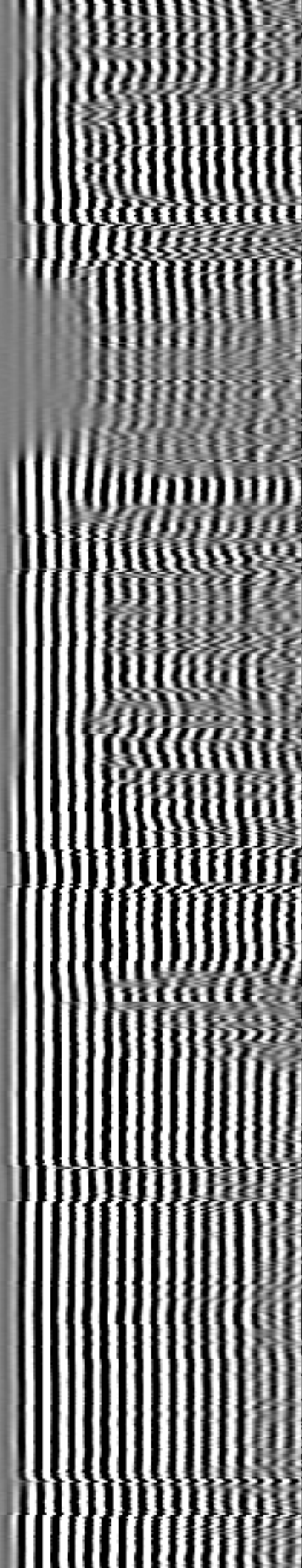
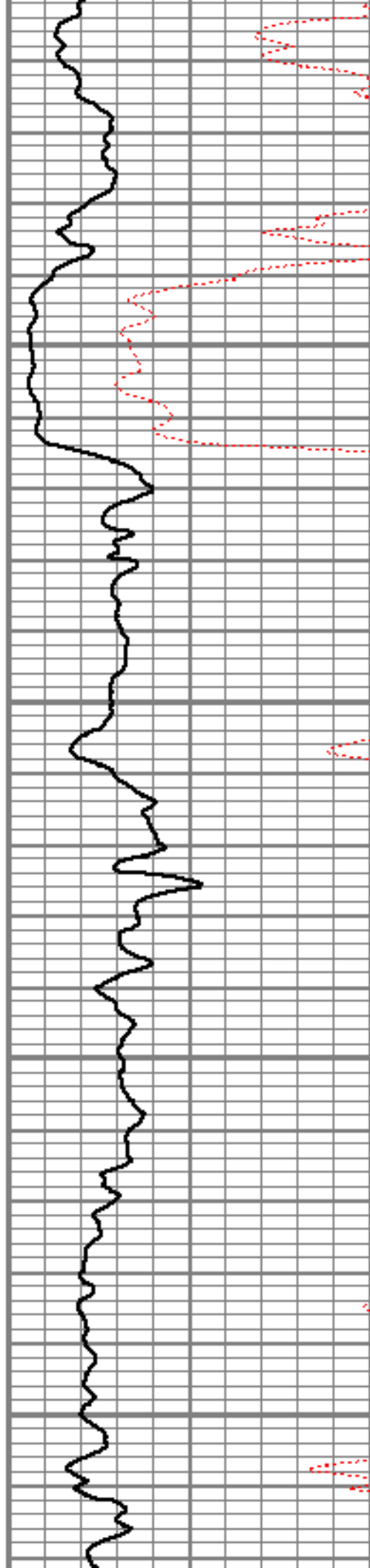


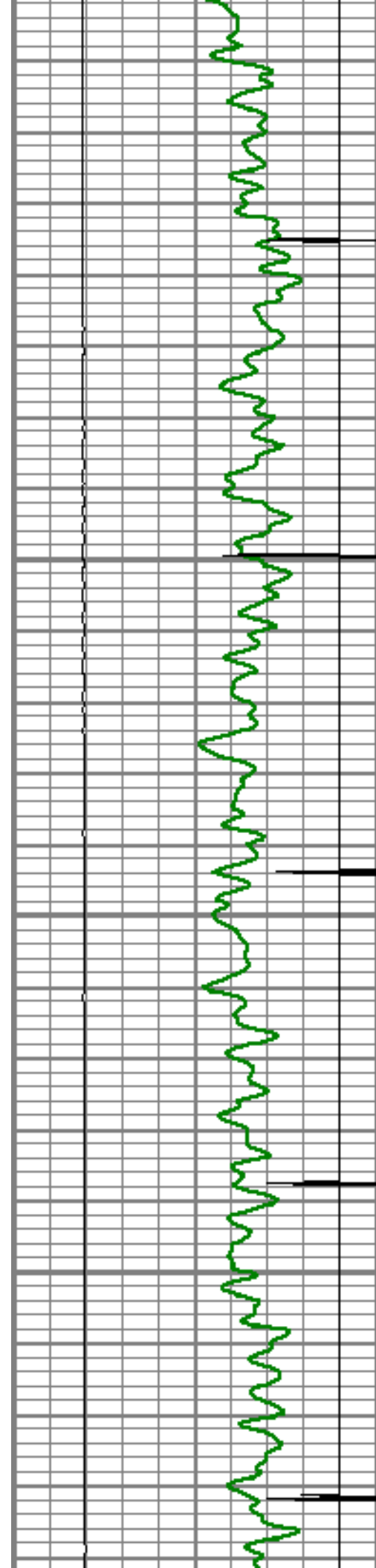
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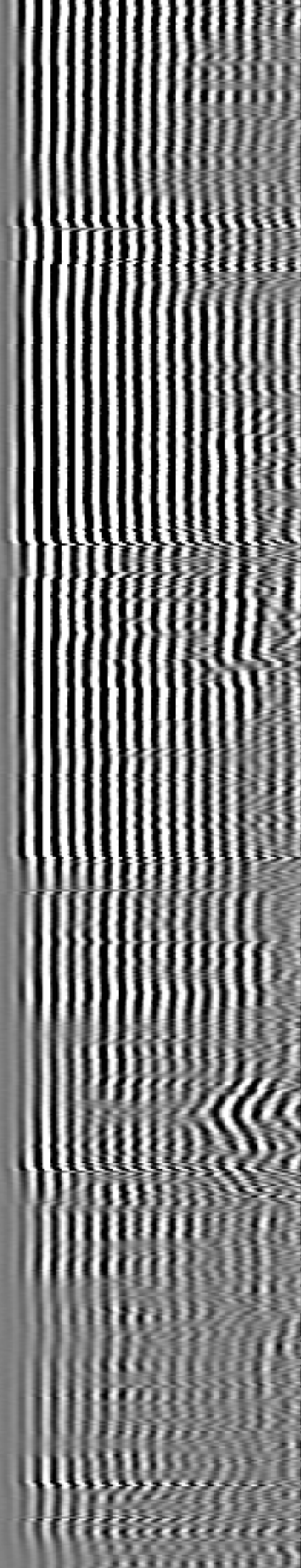
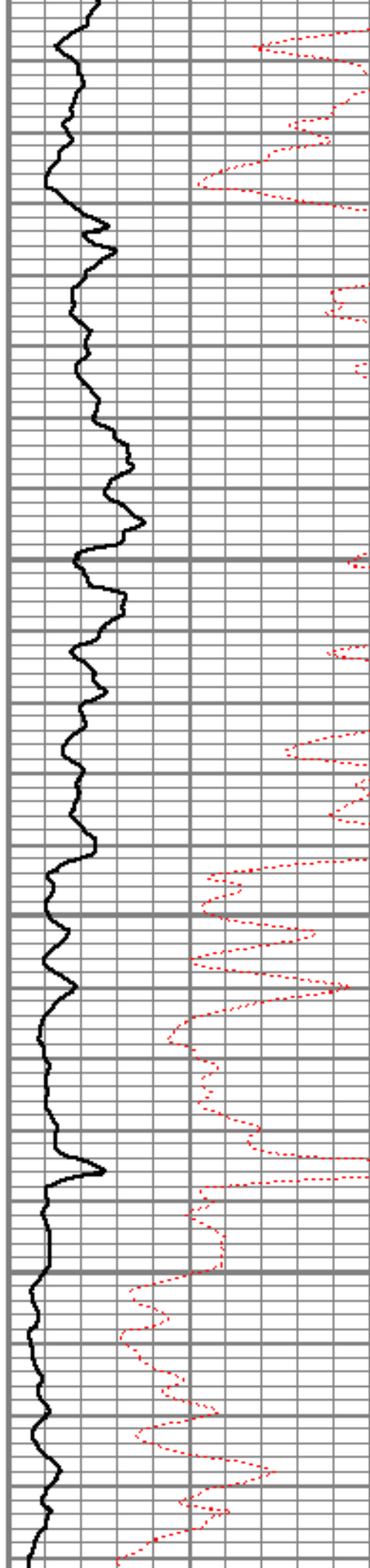


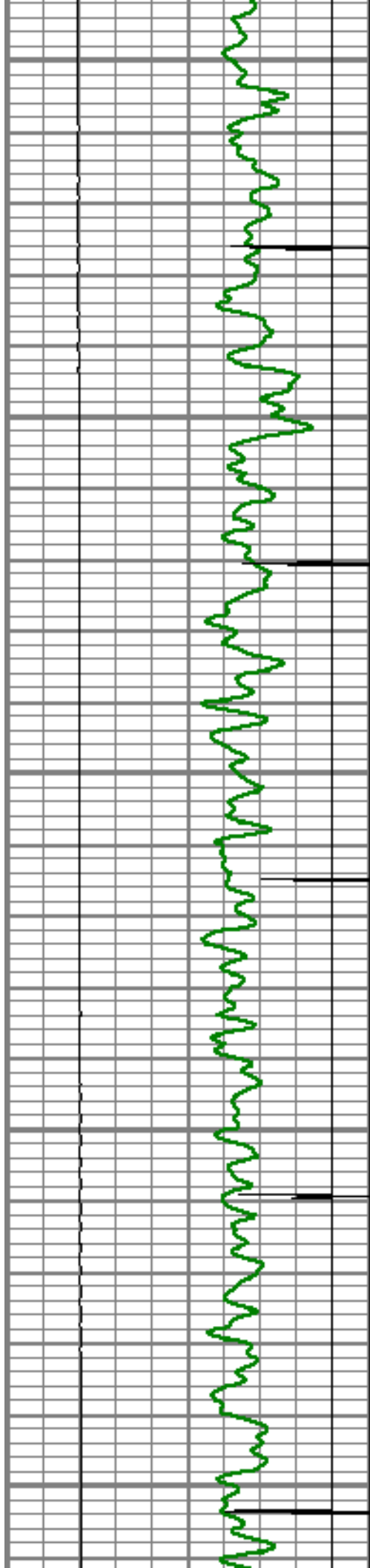
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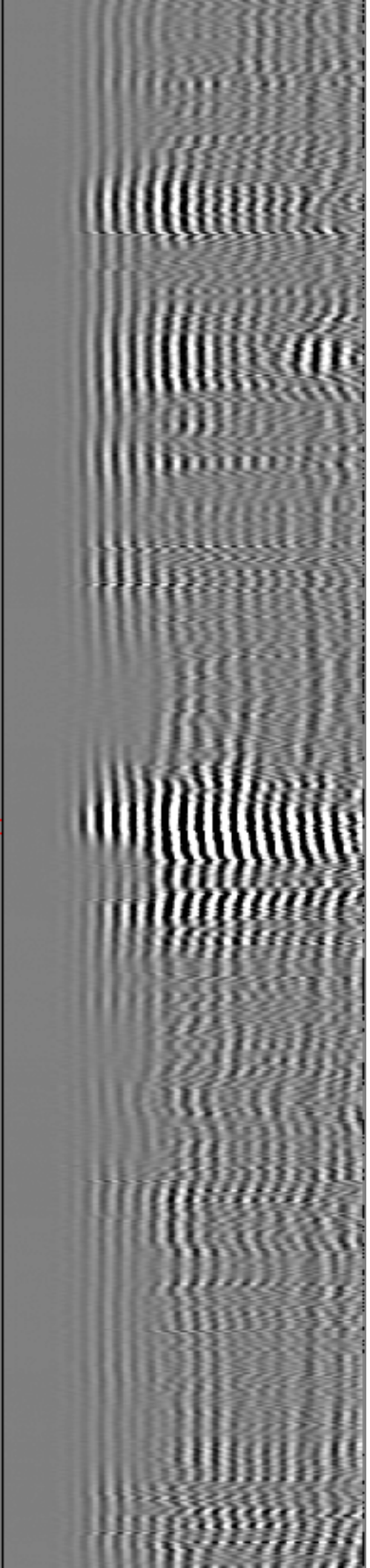
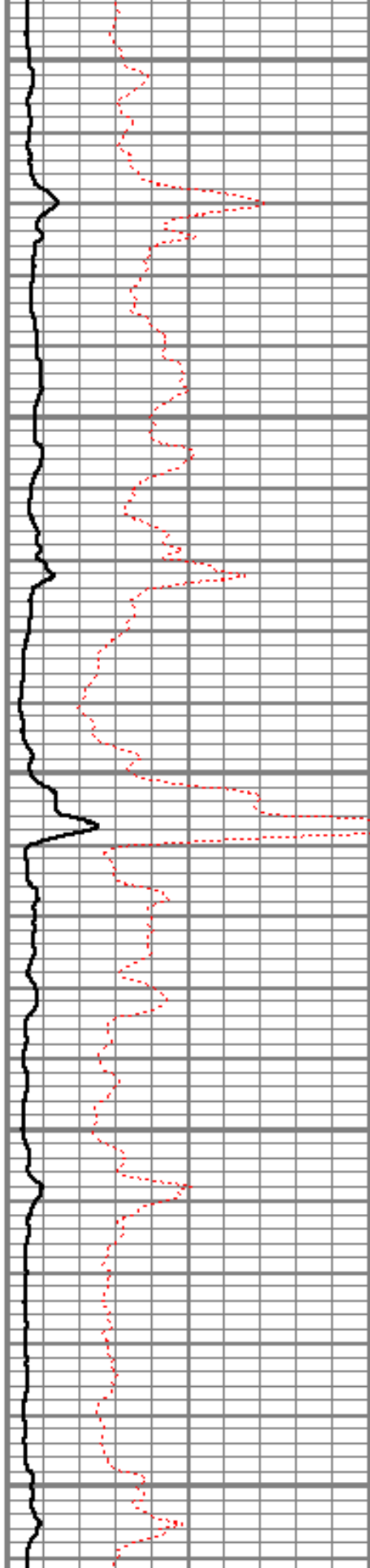
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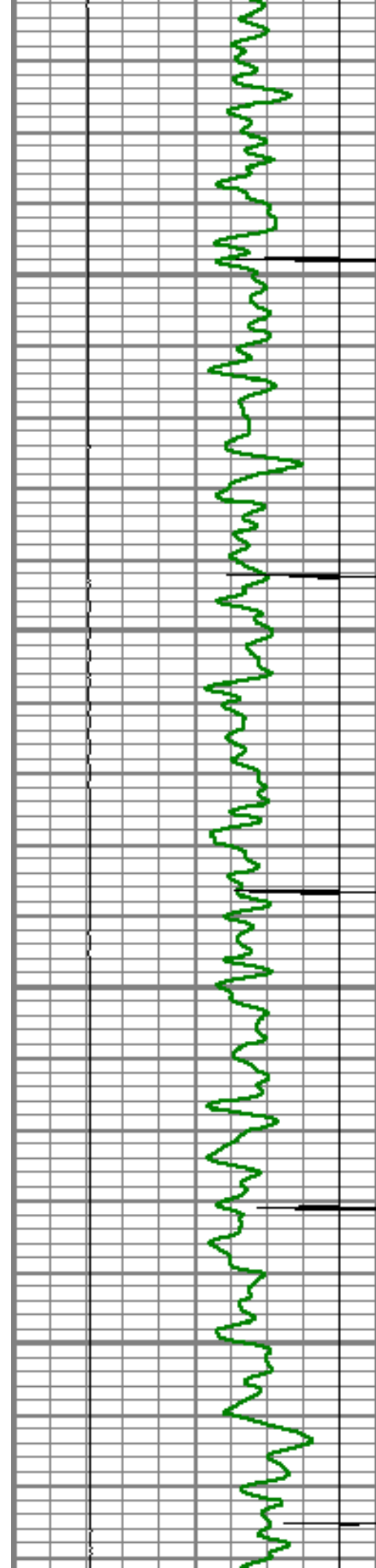
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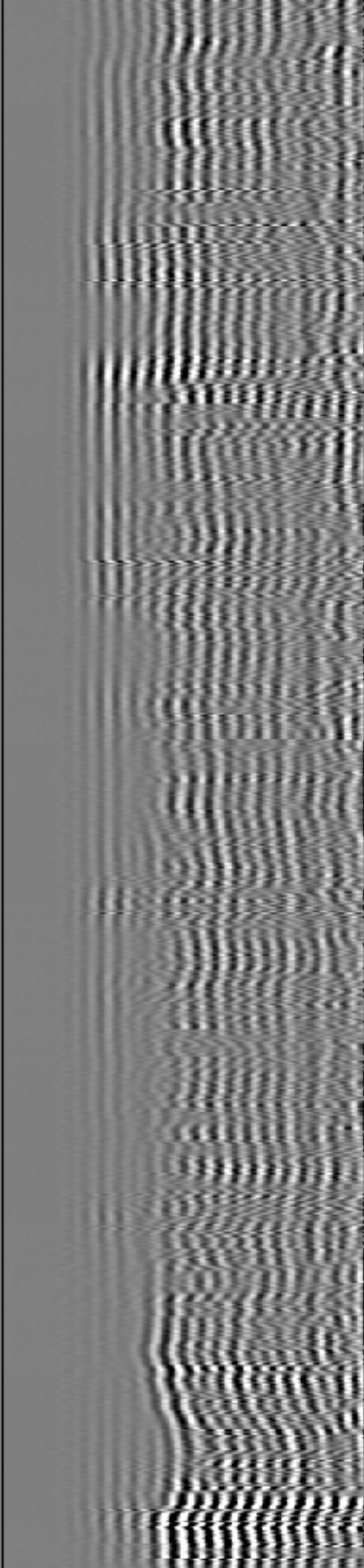
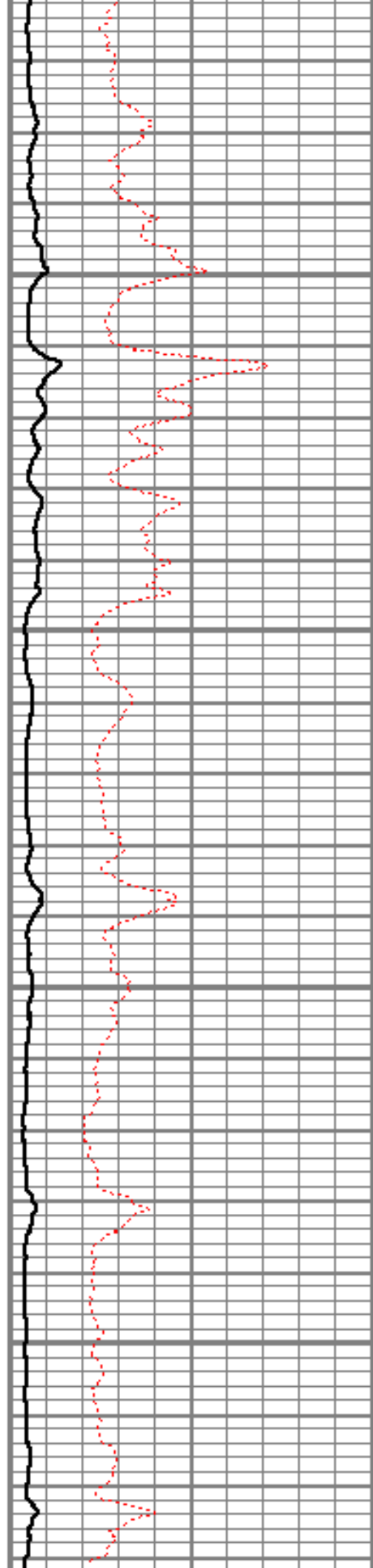


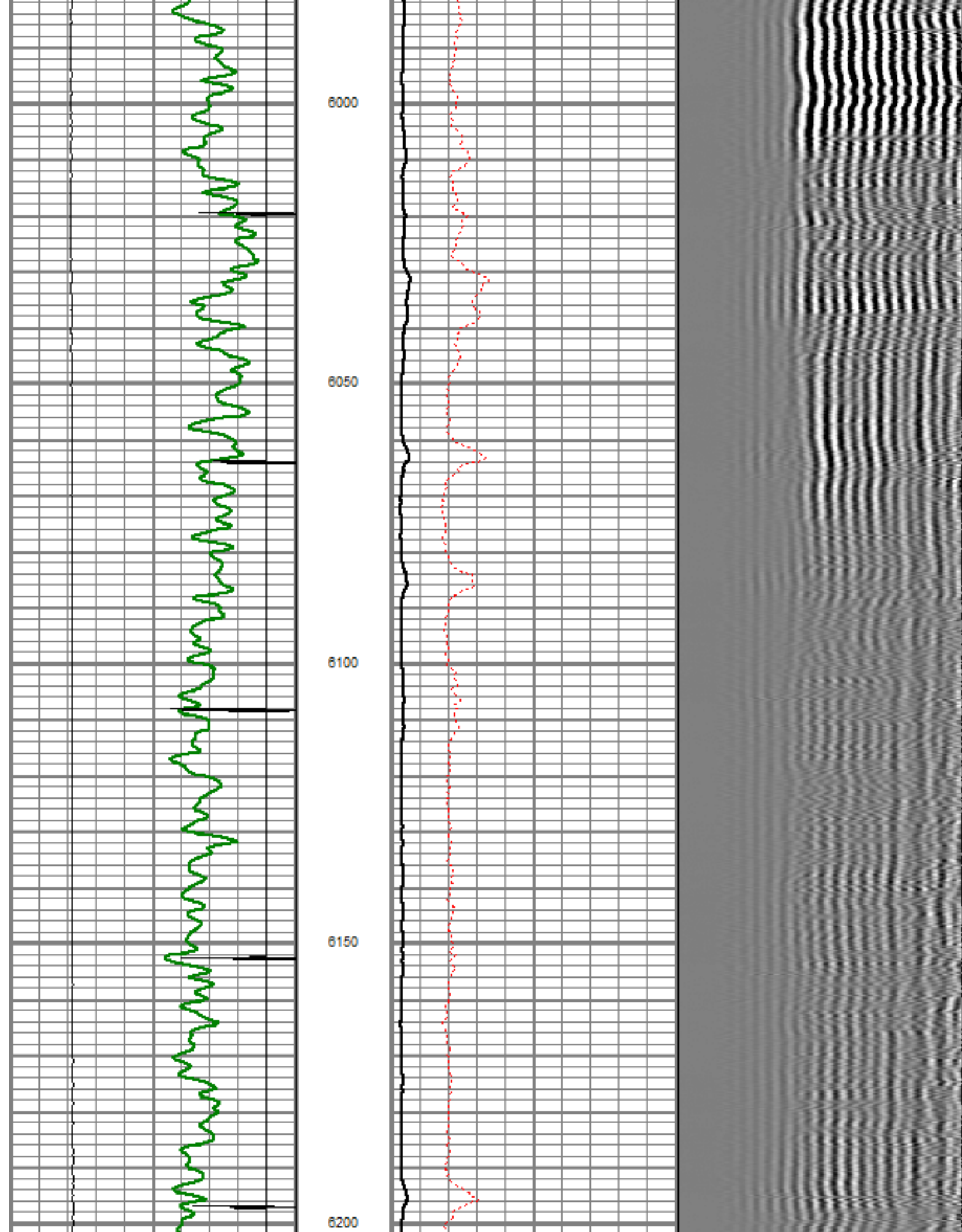
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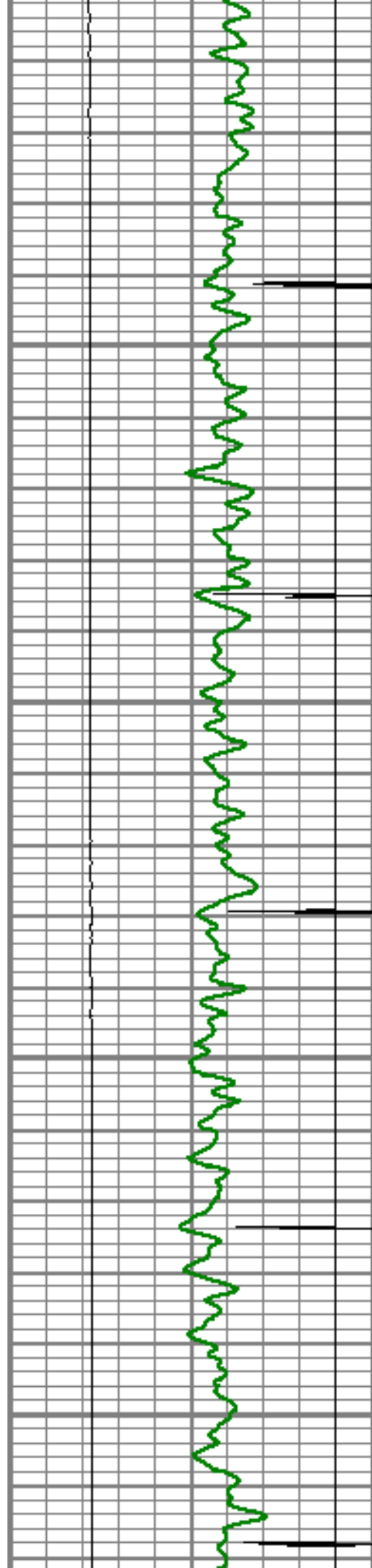
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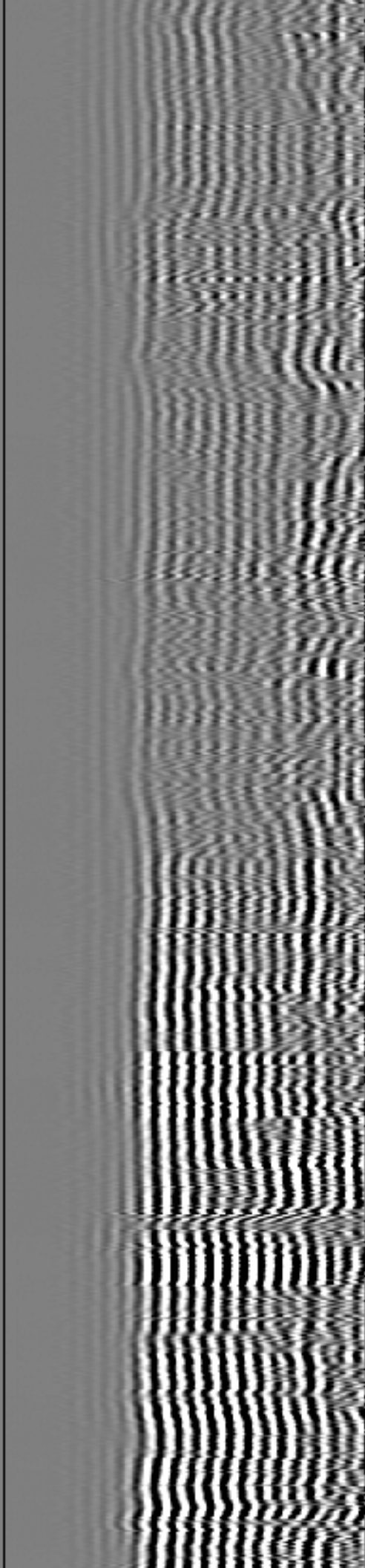
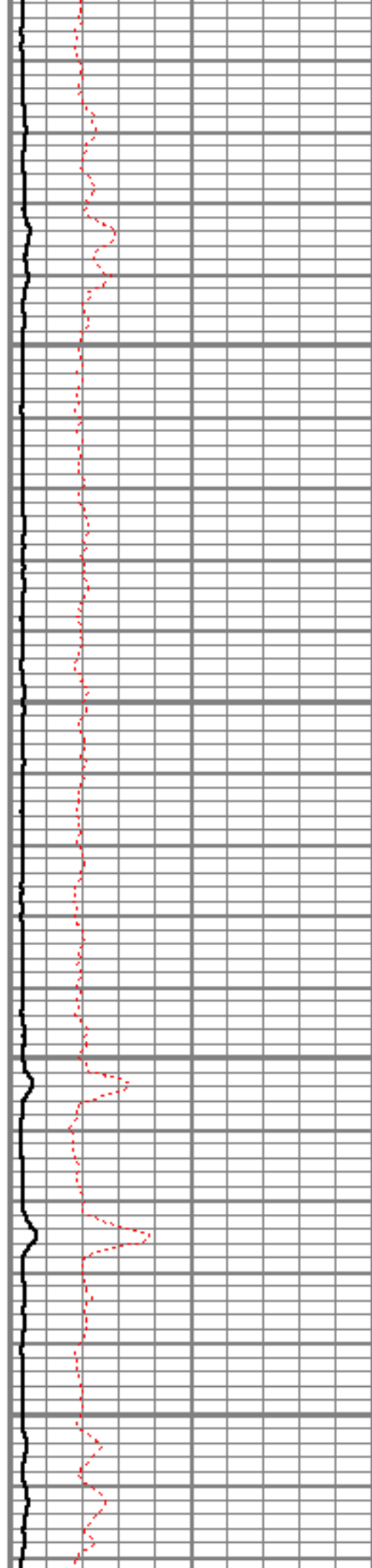


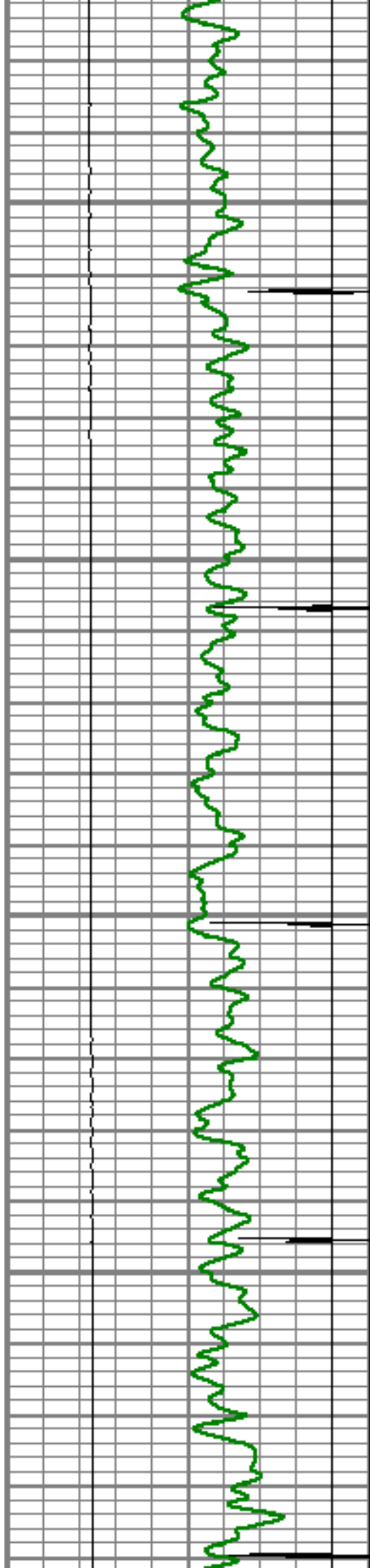
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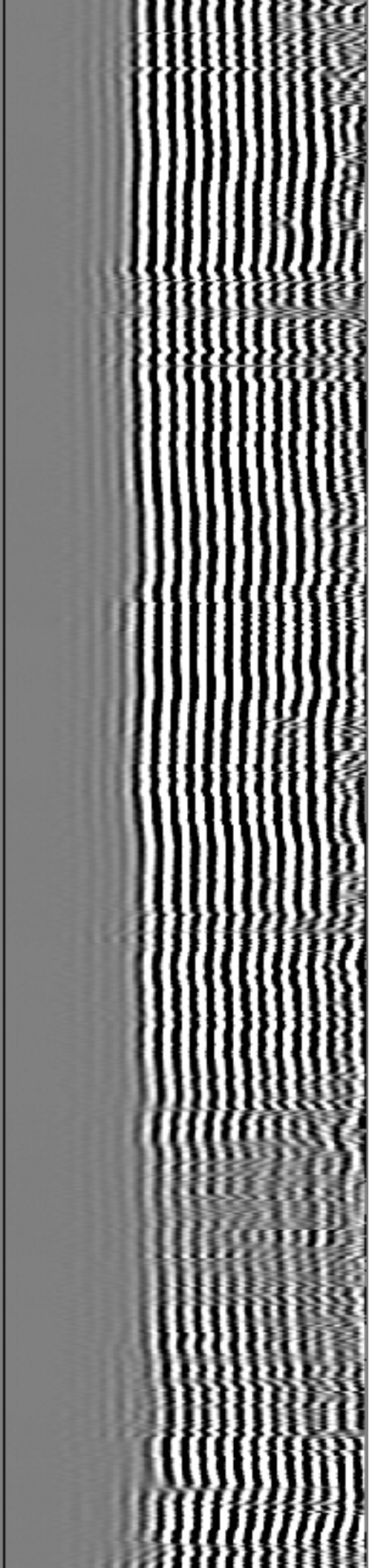
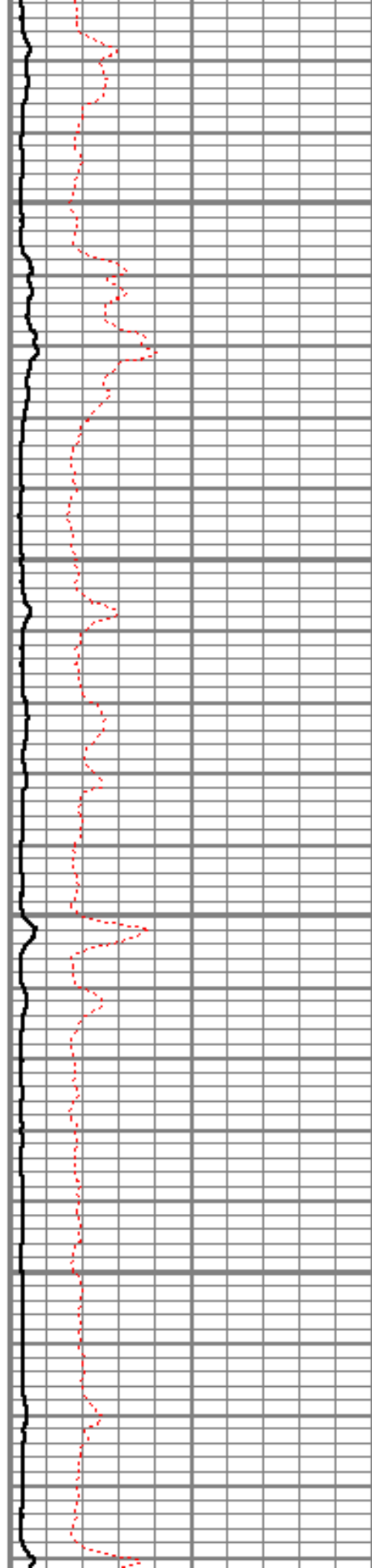


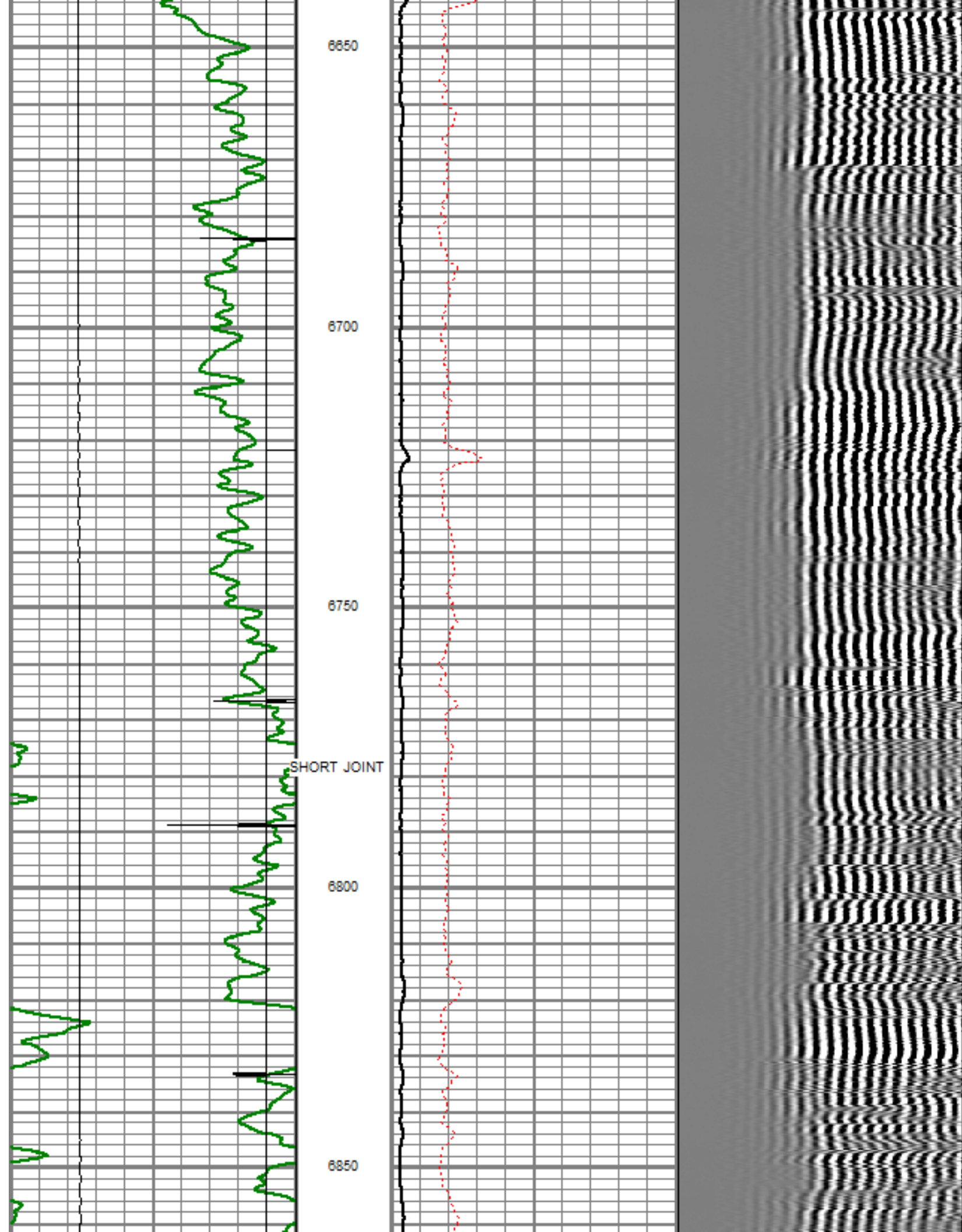
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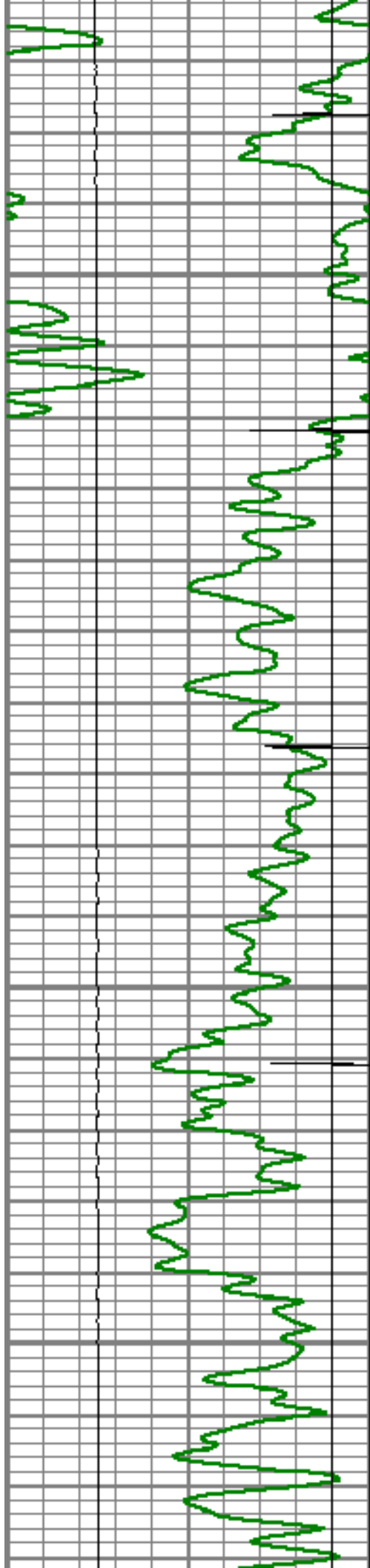
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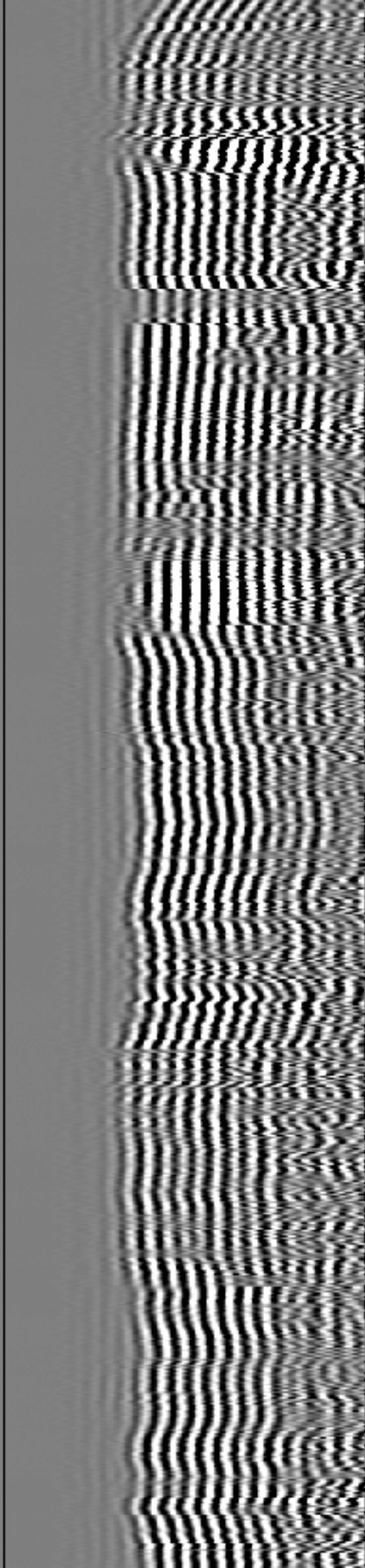
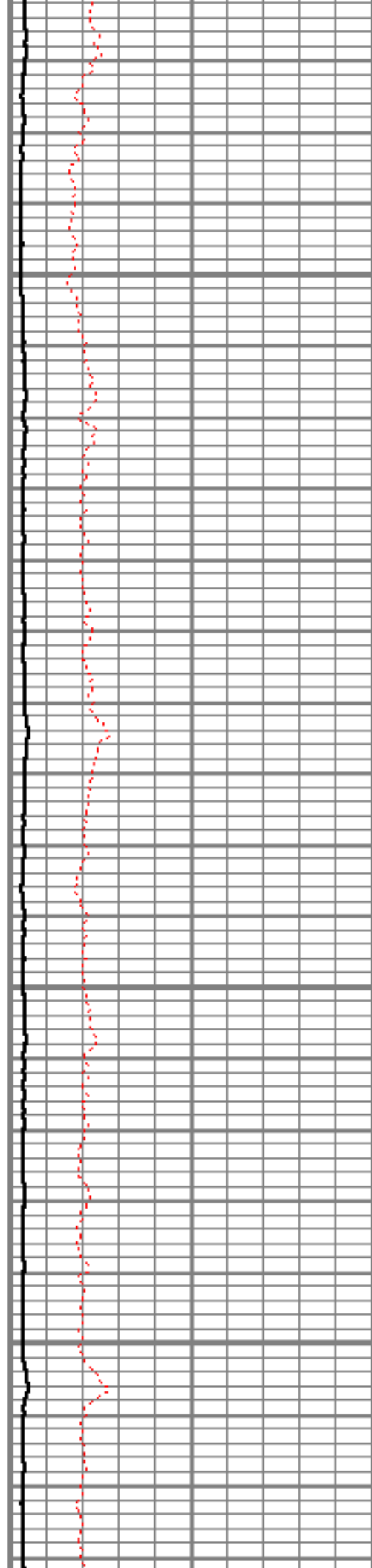


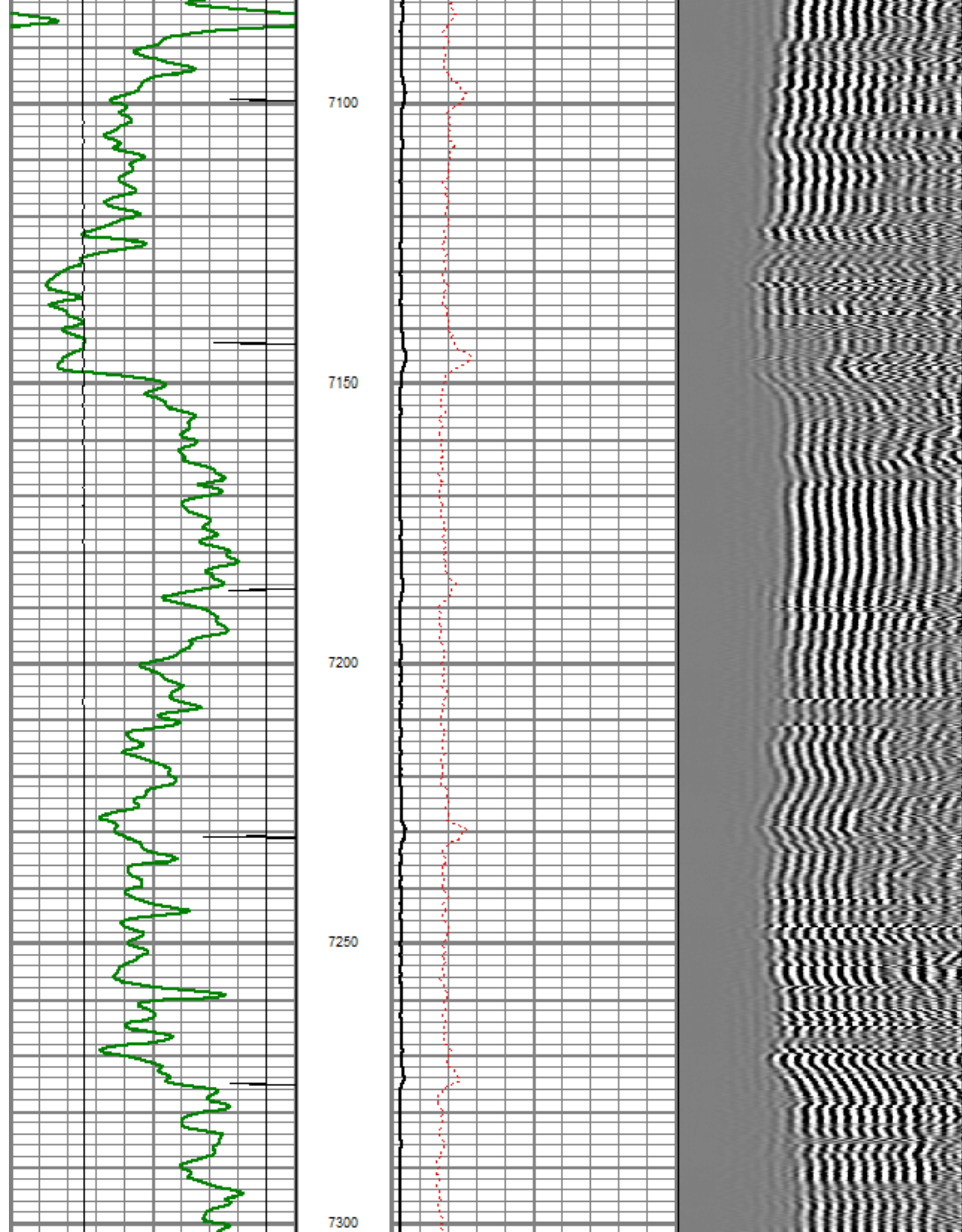
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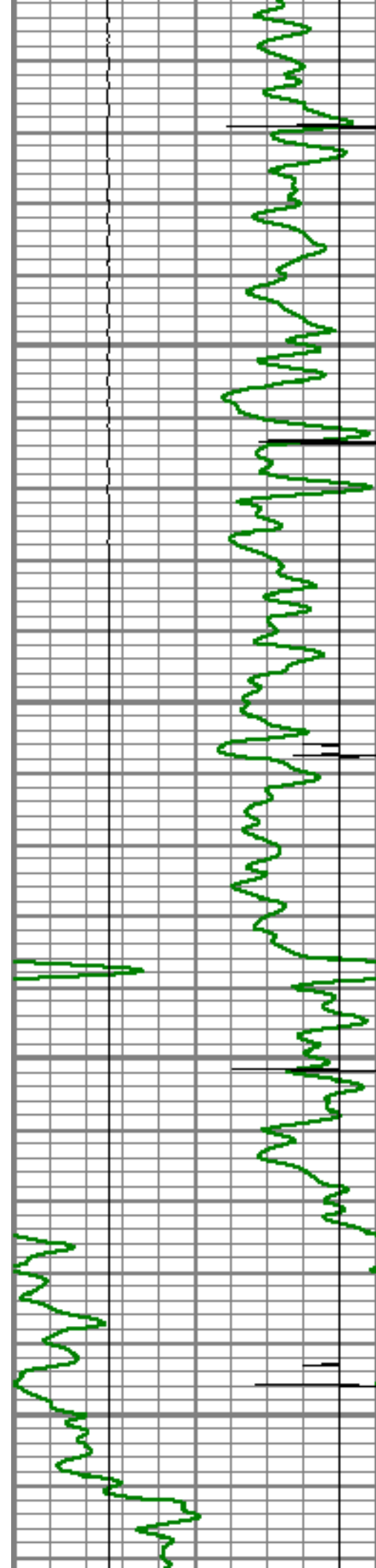
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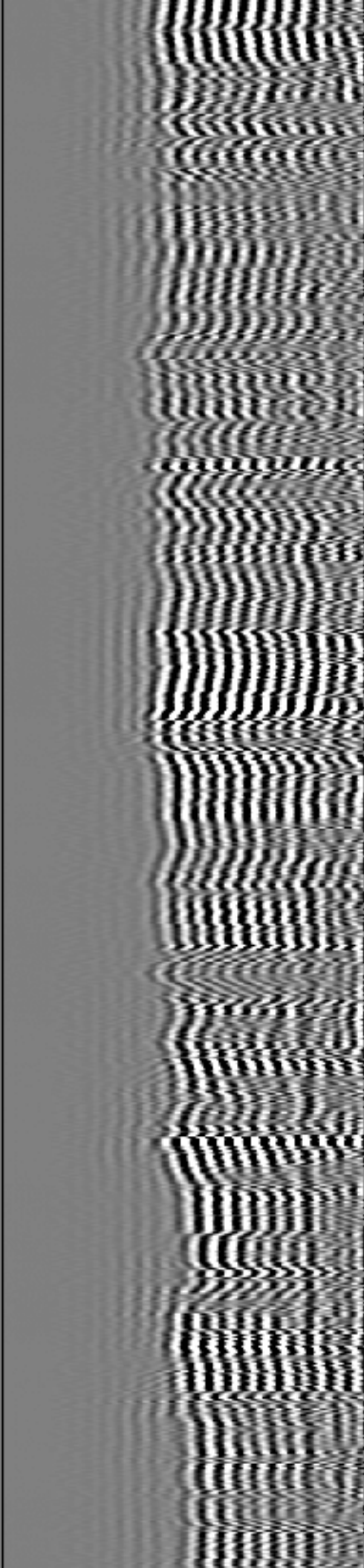
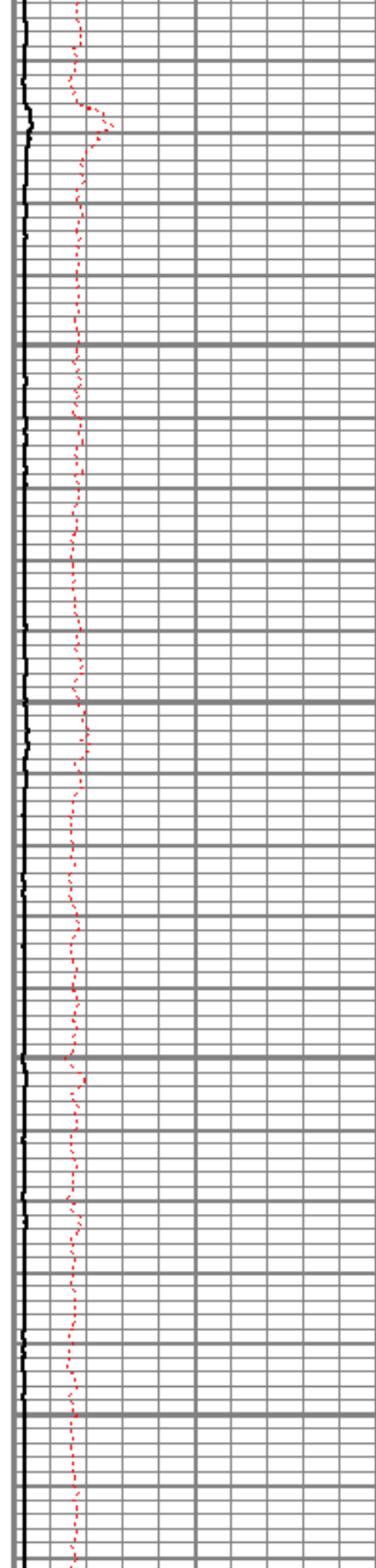


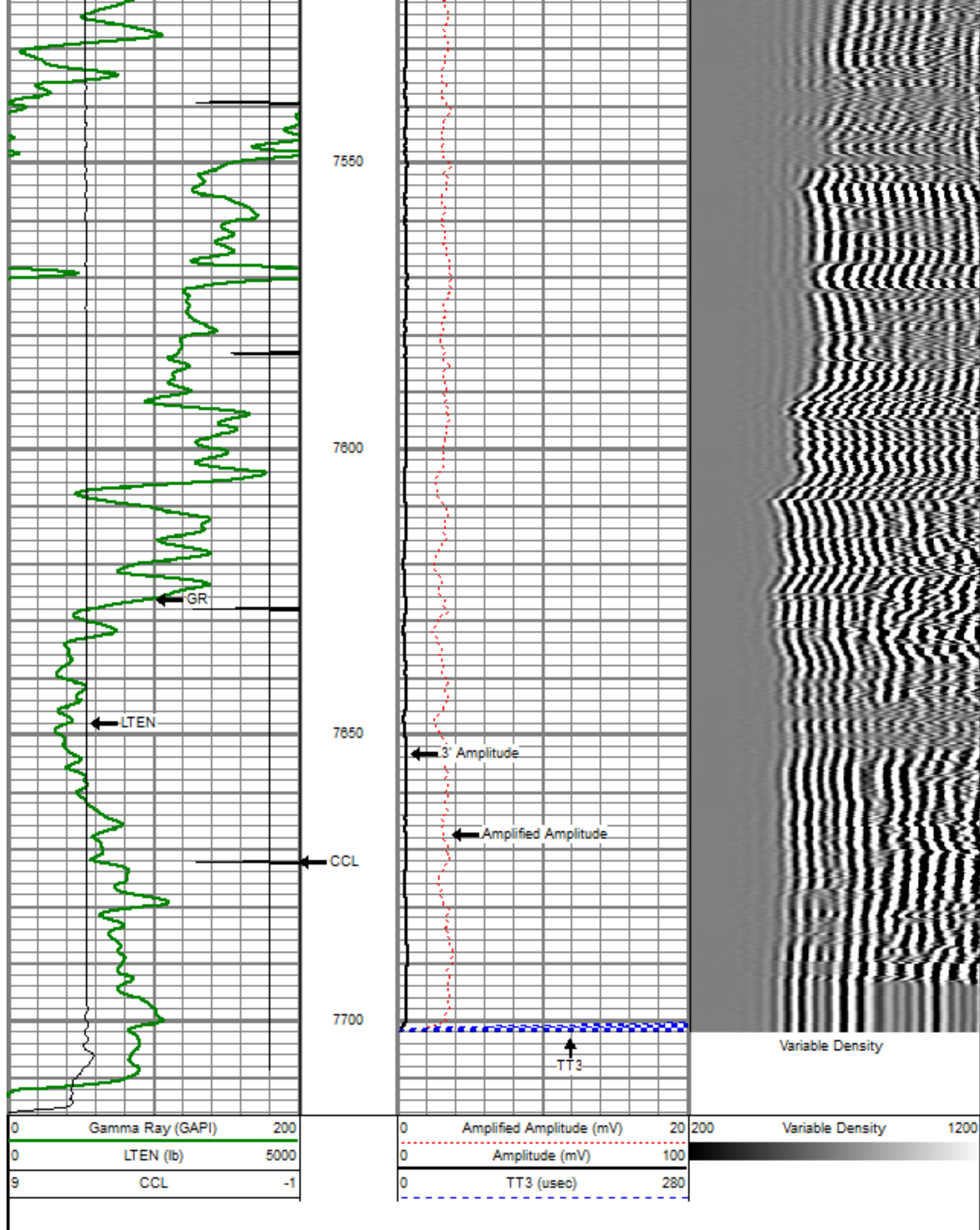
7350

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Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WVF3	14.54		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
			CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77 1) Probe 2.75" Dual Receiver Bond	28.77	2.75	60.00
WVF5	13.54					
CCL	6.50		Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
			GR-PROBE_GRCLL (PRB_GRCLL_275_014.54) Probe 2.75" 4 Channel Pulse	14.54	2.75	30.00
GR	3.77					
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_012.88) Positive pulse Temp tool	12.88	1.38	15.00

Dataset: aristocrat angus 4-2-3.db: field/well/run1/pass3.1OH
 Total Length: 22.96 ft
 Total Weight: 126.50 lb
 O.D. 2.75 in



Company	ENCANA OIL & GAS (USA) INC
Well	ARISTOCRAT ANGUS 4-2-3
Field	WATTENBERG
County	WELD
State	COLORADO