



Mesa Wireline

CEMENT BOND LOG

Company	ENCANA OIL & GAS (USA) INC.
Well	COSSLET 4-0-22
Field	WATTENBERG
County	WELD
State	COLORADO
Location:	API #: 05-123-32706-0000
SHL: 1496' FNL & 1283' FEL BHL: 50' FNL & 2625' FEL SEC. 22 TWP. 1N RGE. 68W	Other Services NONE
Permanent Datum Log Measured From Drilling Measured From	GROUNDLEVEL Elevation 5185' KELLY BUSHING = 13' KELLY BUSHING
	Elevation K.B. 5198' D.F. 5197' G.L. 5185'

Date	17 DECEMBER 2011
Run Number	ONE
Depth Driller	8843'
Depth Logger	8826'
Bottom Logged Interval	8826'
Top Log Interval	3050'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.3#
Max. Recorded Temp.	263 DEG F
Estimated Cement Top	3720'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	19701W
Location	AULT.CO
Recorded By	V.FULLER
Witnessed By	T.MAJORS
Borehole Record	
Run Number	Bit From To Size Weight From To
ONE	12.25" 0' 990'
TWO	7.875" 990' 8843'
Tubing Record	
Casing Record	Size Wgt/Ft Top Bottom
Surface String	8.625" 24# 0' 980'
Prot. String	
Production String	4.50" 11.6# 980' 8843'
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 NOT CORRELATED TO ANY OTHER LOG
SHORT JOINT 7825' - 7845'

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



TOP PASS

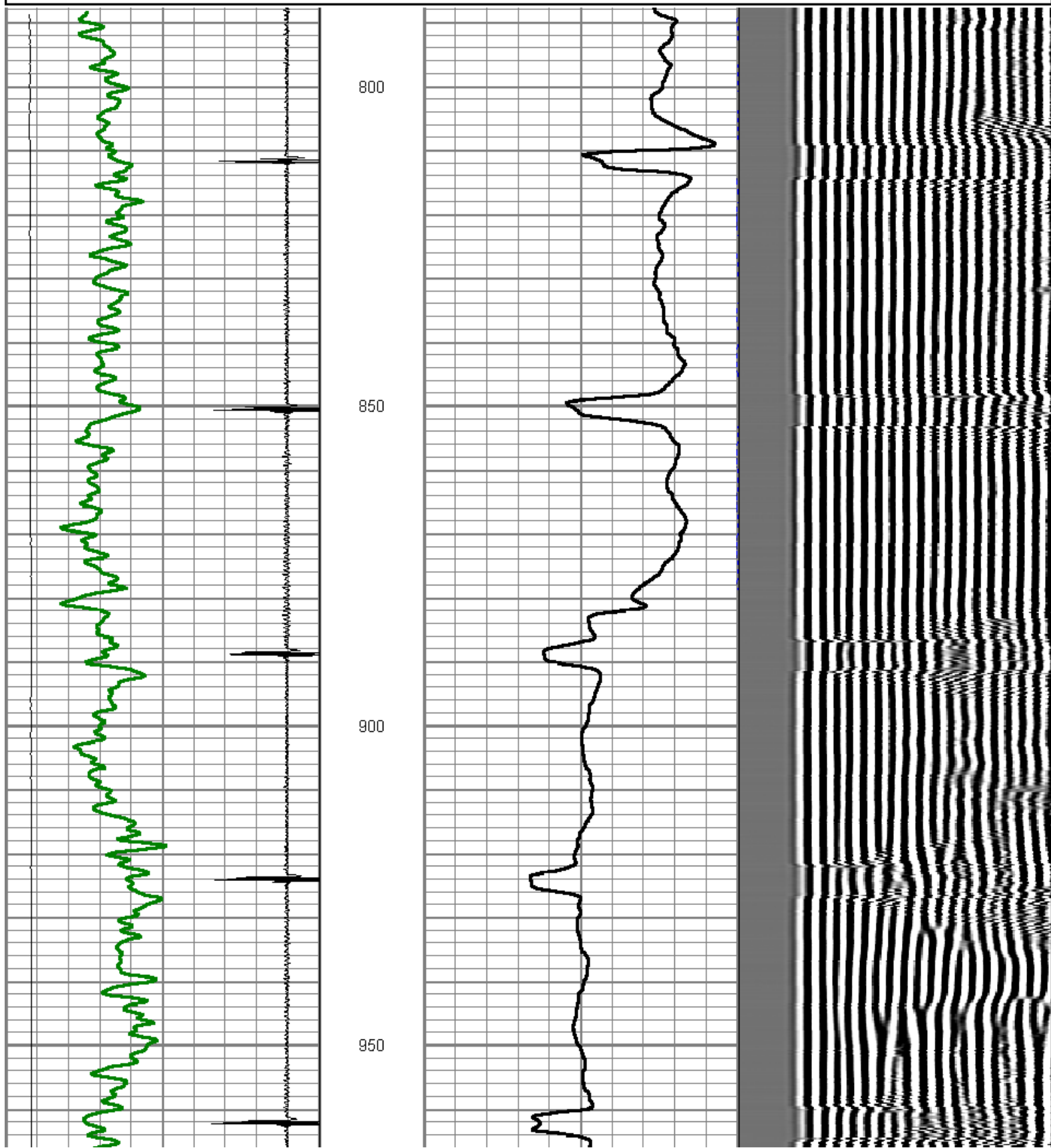
5" = 100'

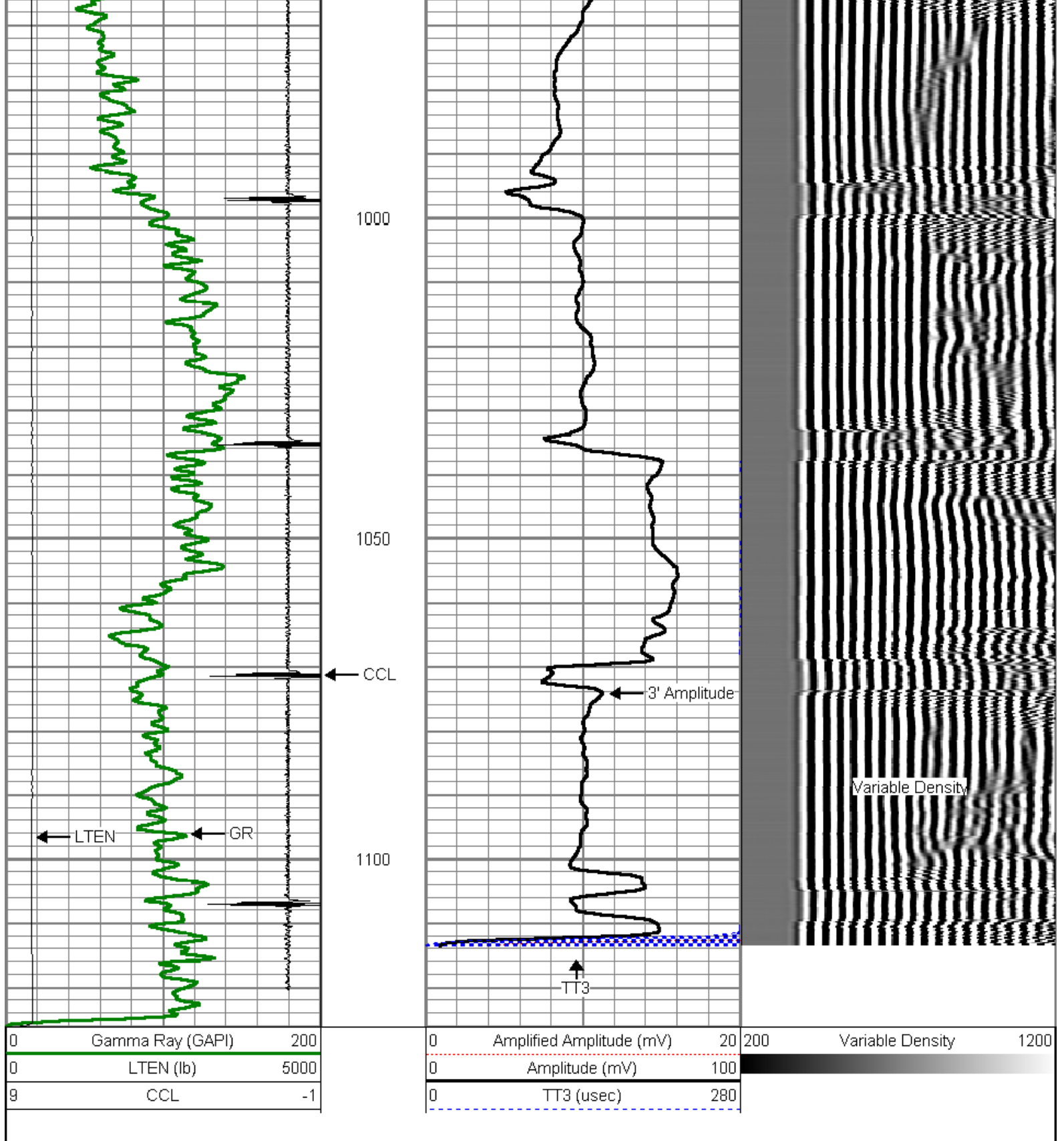
Mesa Wireline

Database File: cosslet 4-0-22.db
 Dataset Pathname: pass8.2
 Presentation Format: dcbl_prb
 Dataset Creation: Sat Dec 17 11:23:51 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	200	Variable Density	1200
0	Amplitude (mV)	100			
0	TT3 (usec)	280			





MW
Mesa Wireline LLC

REPEAT PASS

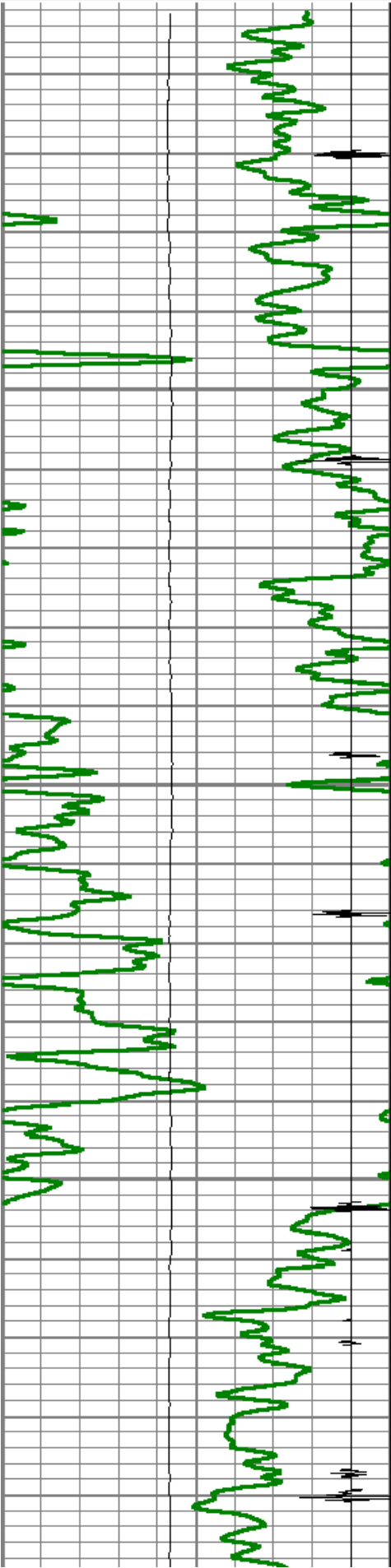
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Database File: cosslet 4-0-22.db
 Dataset Pathname: pass5
 Presentation Format: dcbl_prb
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 Charted by: Depth in Feet scaled 1:240

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

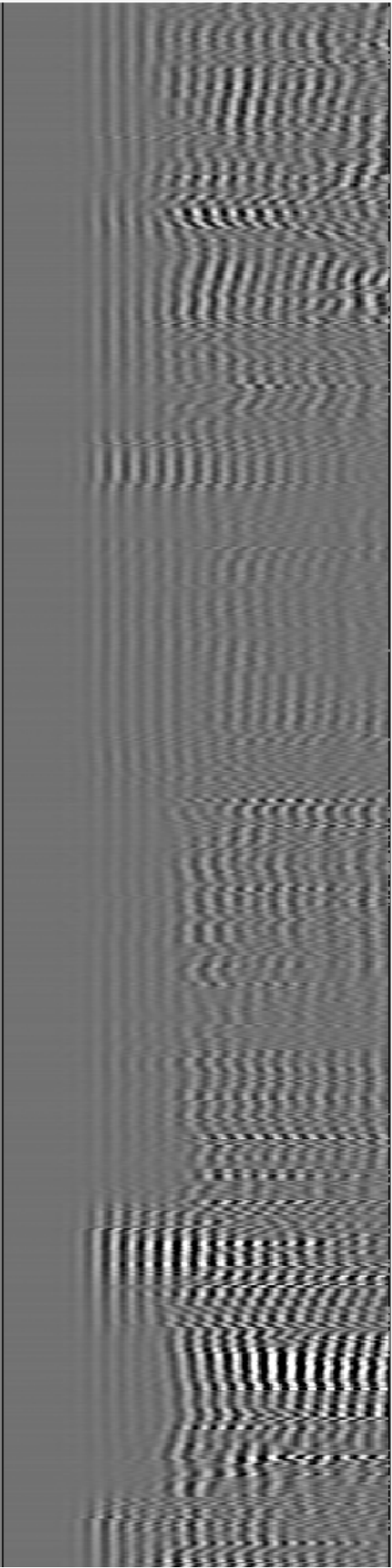
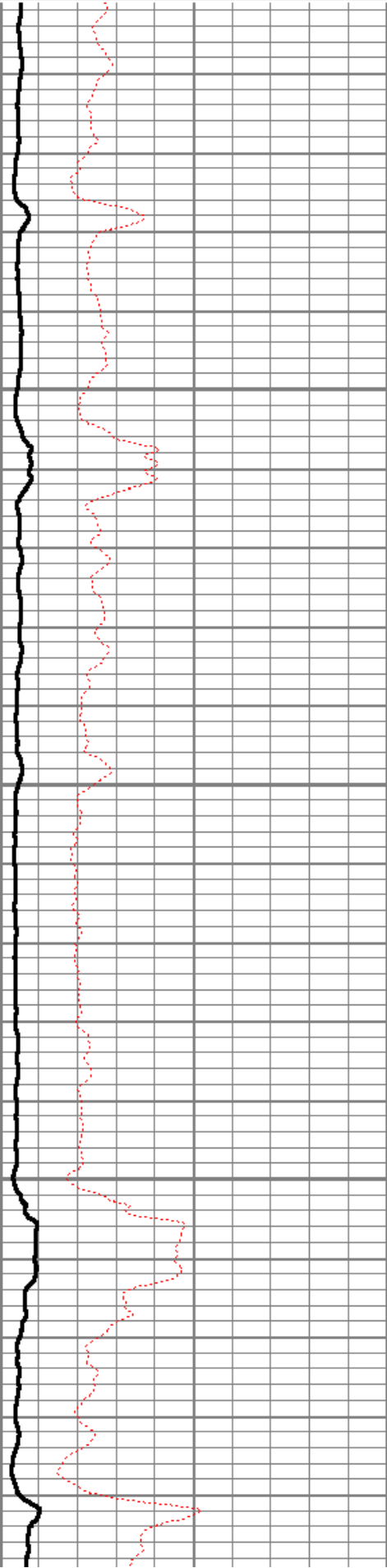
200	Variable Density	1200
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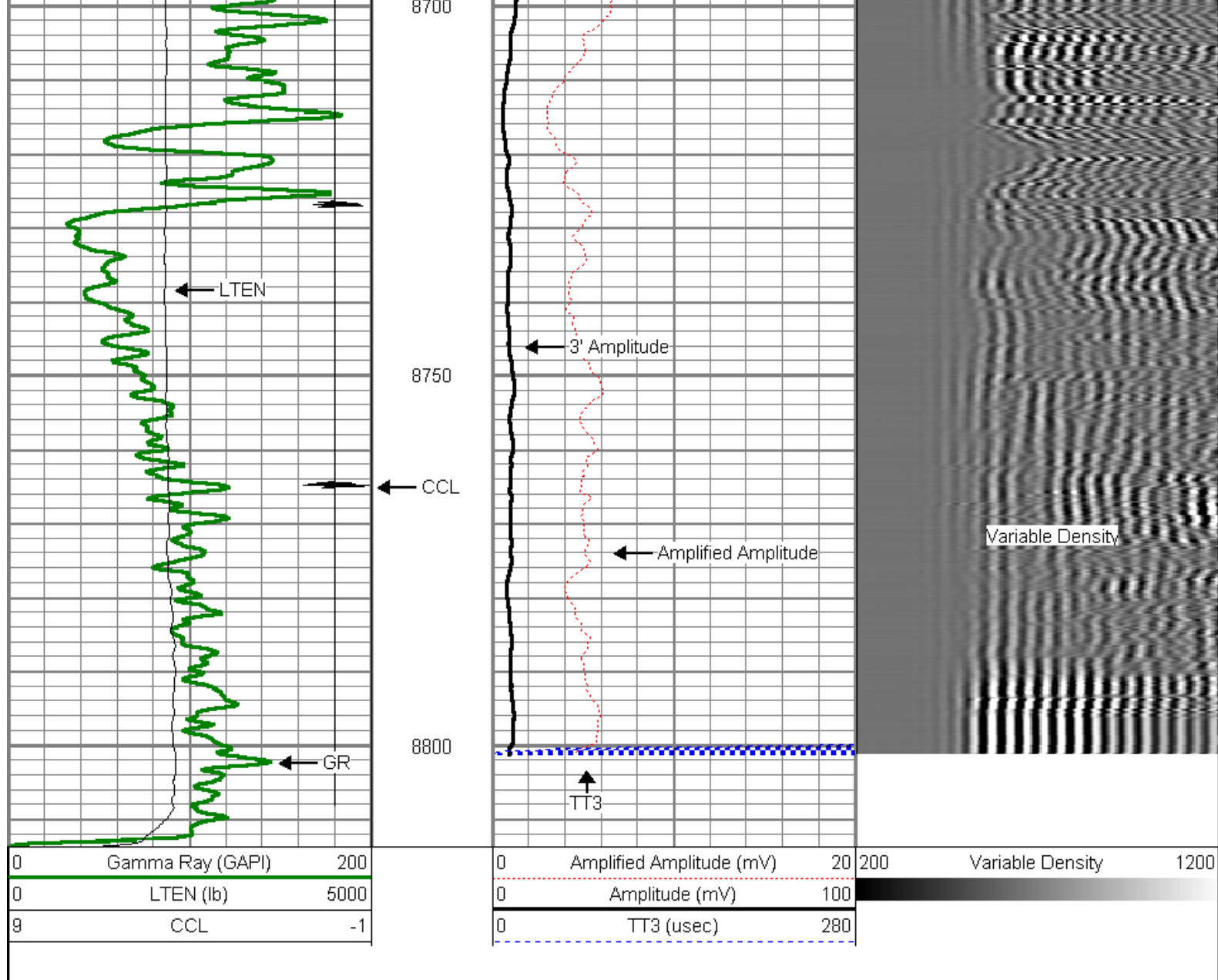


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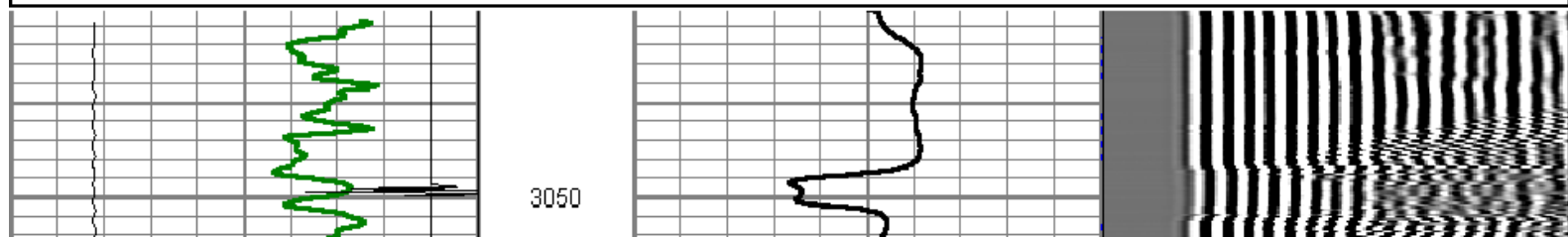
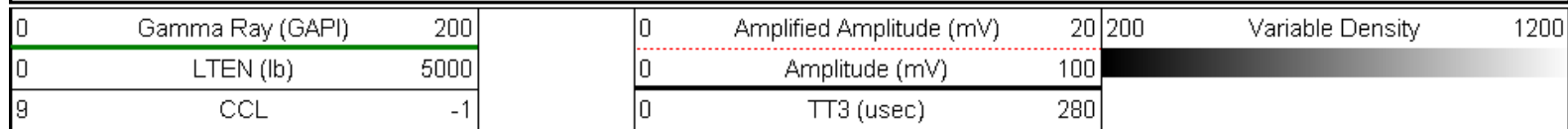


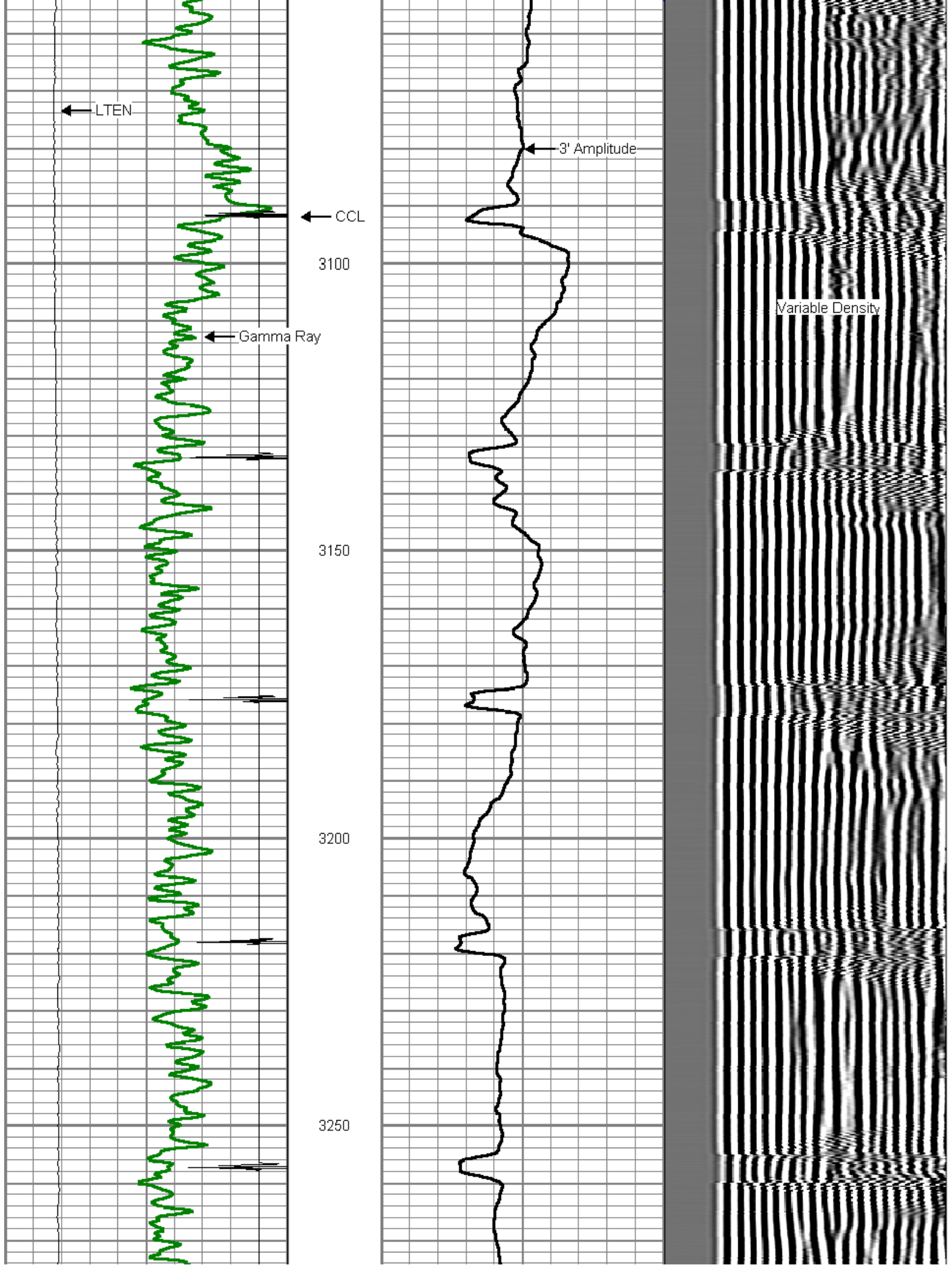


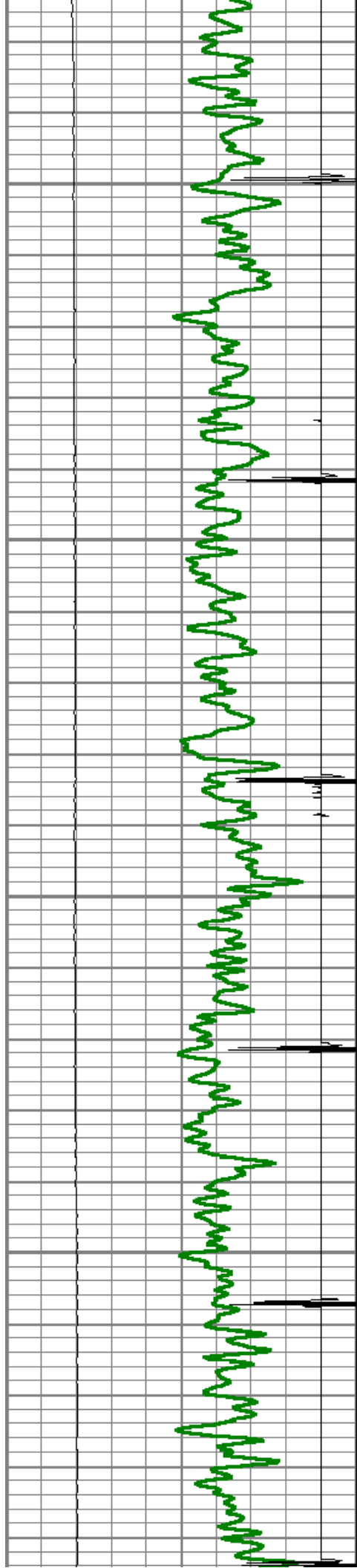
MAIN PASS

5" = 100'

Database File: cosslet 4-0-22.db
 Dataset Pathname: pass7
 Presentation Format: dcbl_prb
 Dataset Creation: Sat Dec 17 09:32:16 2011 by Log SCH 110722
 Charted by: Depth in Feet scaled 1:240





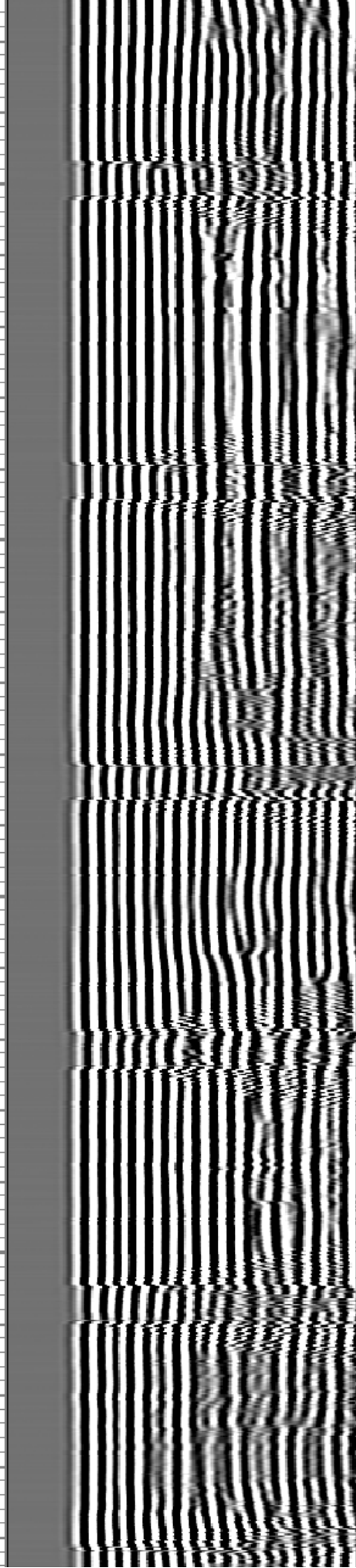
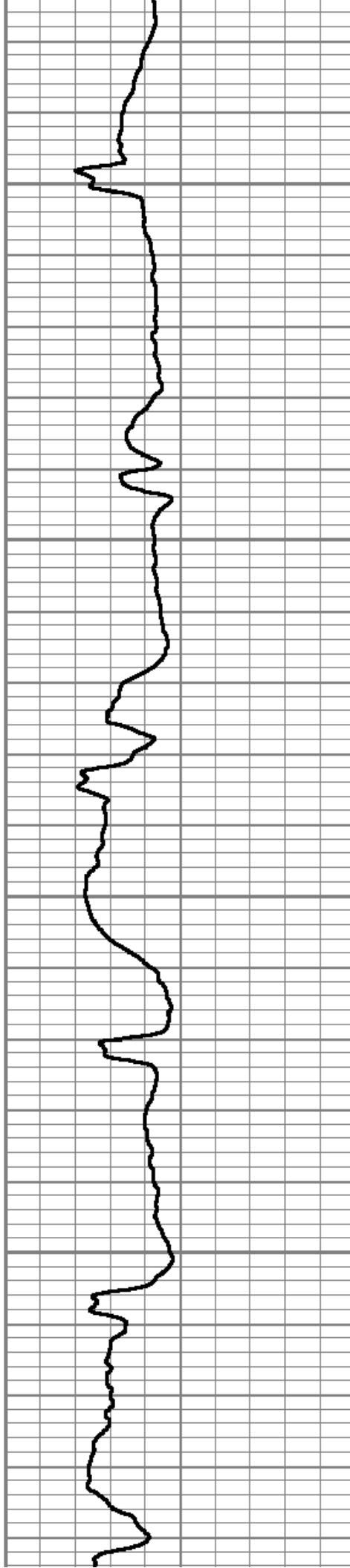


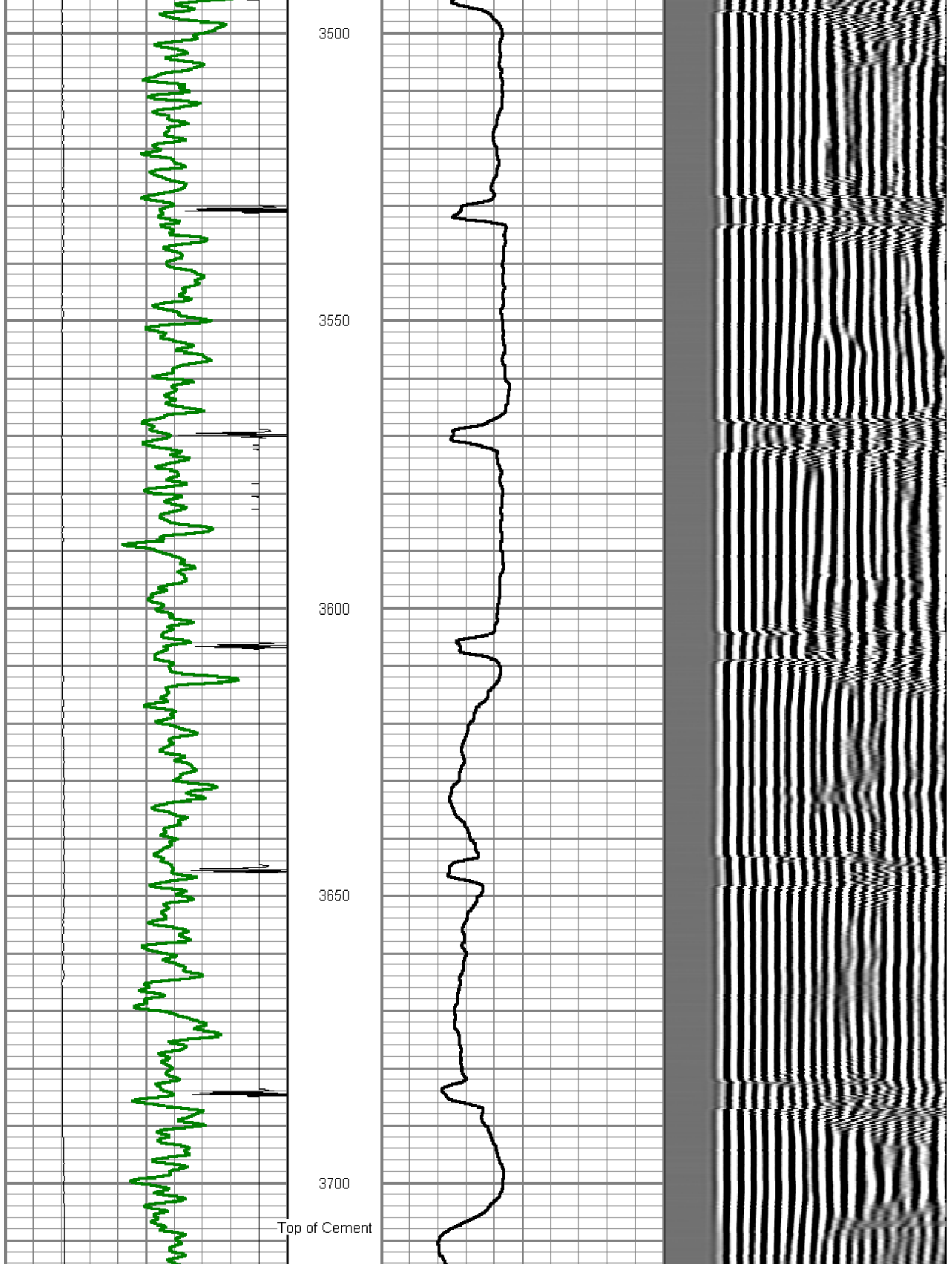
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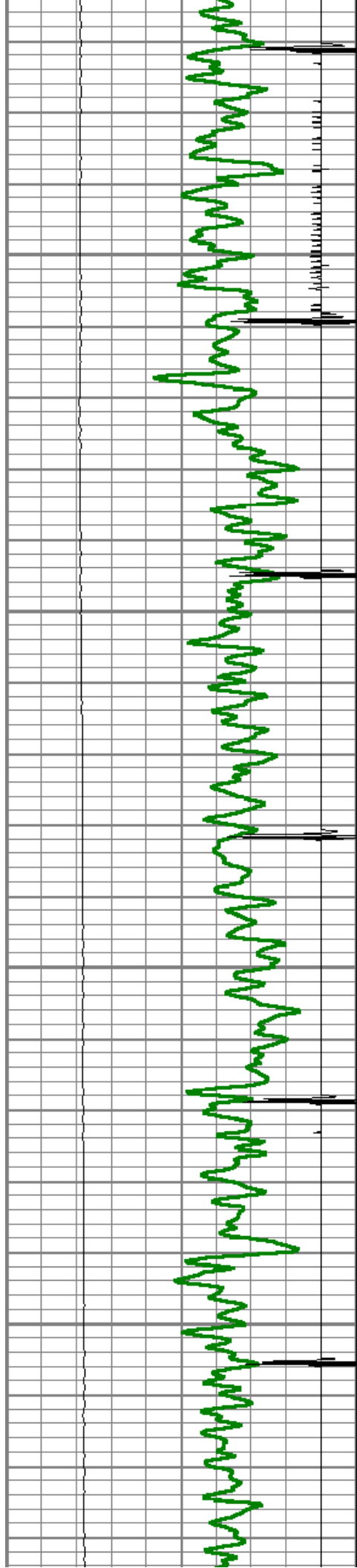
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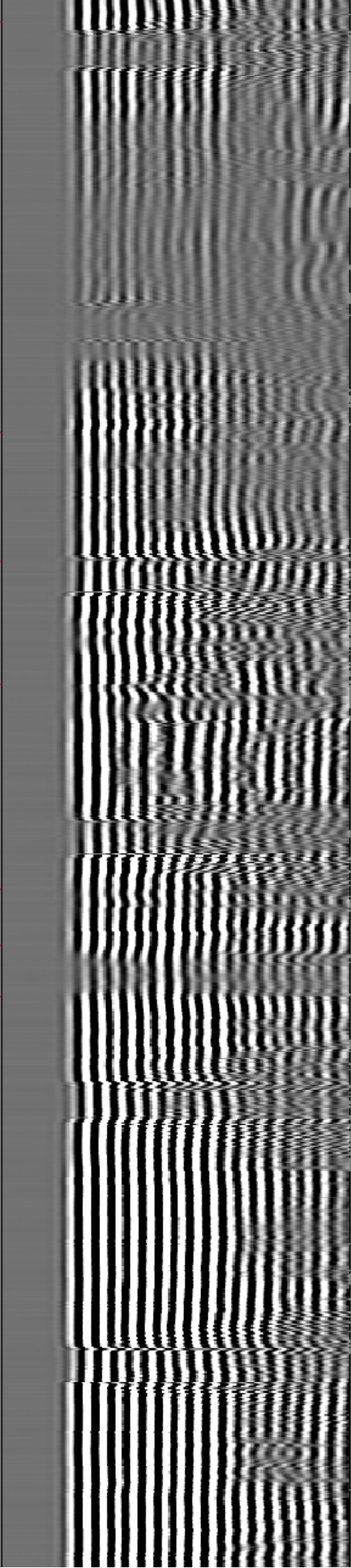
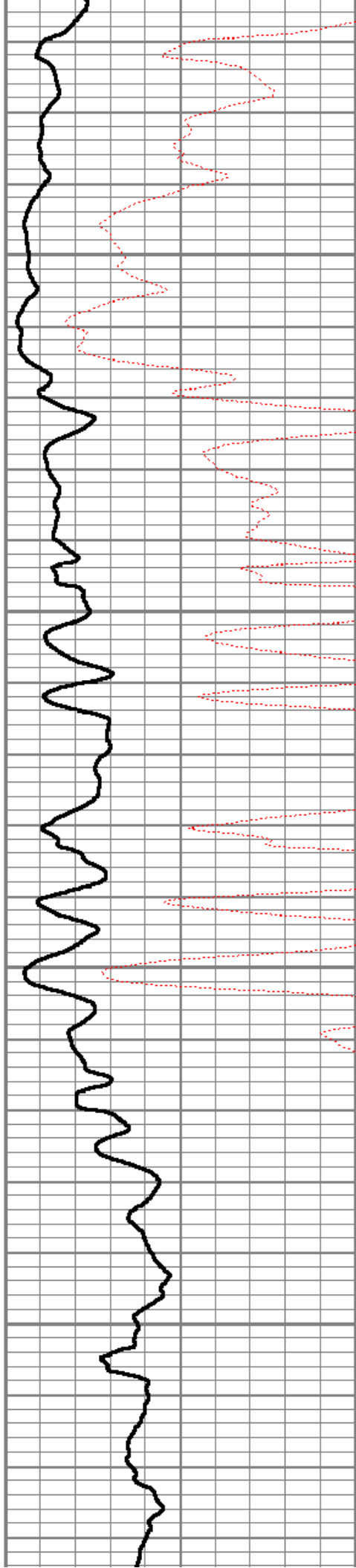


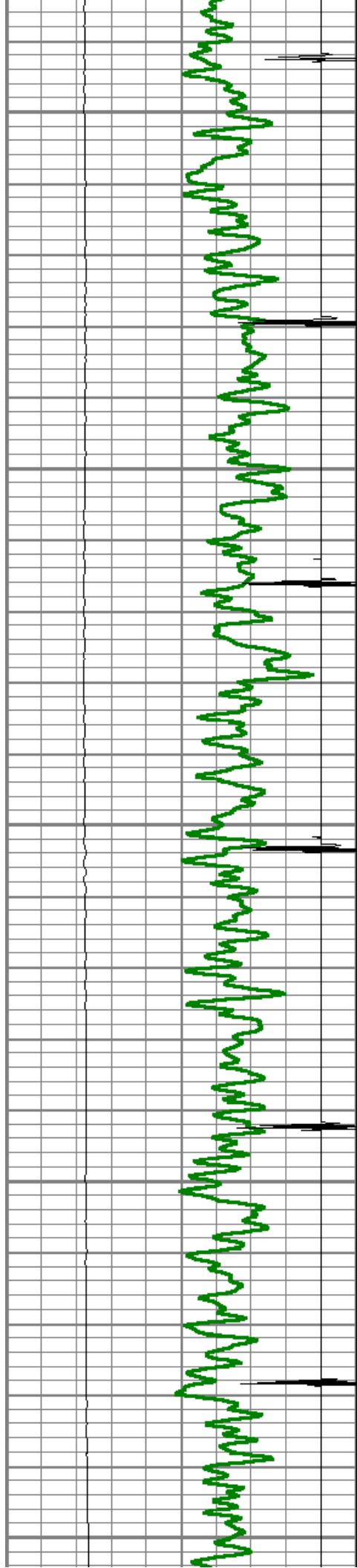
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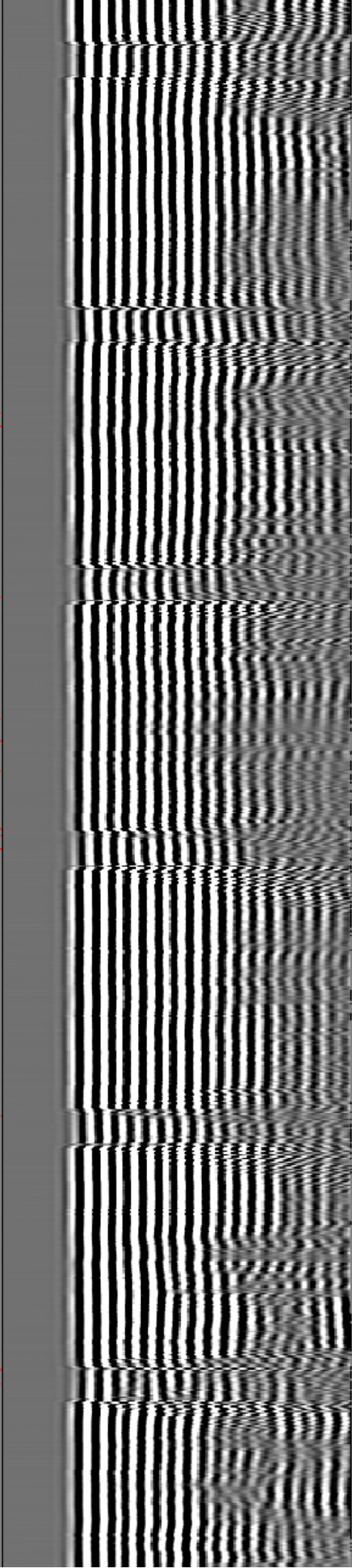
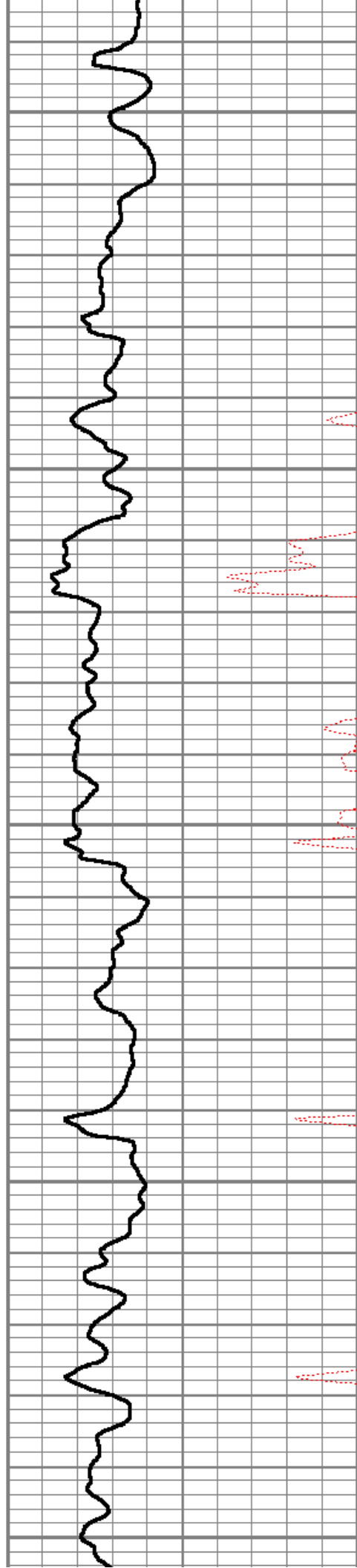
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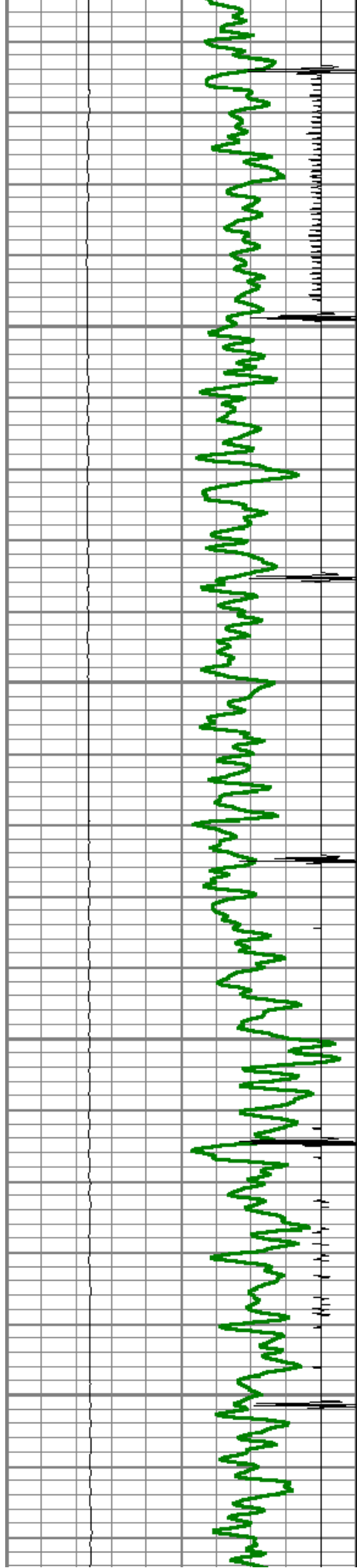
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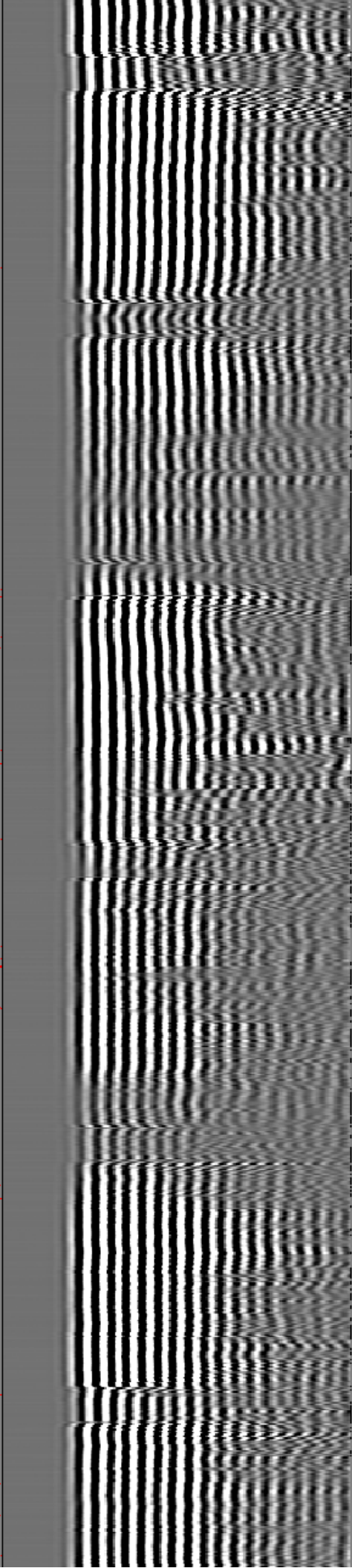
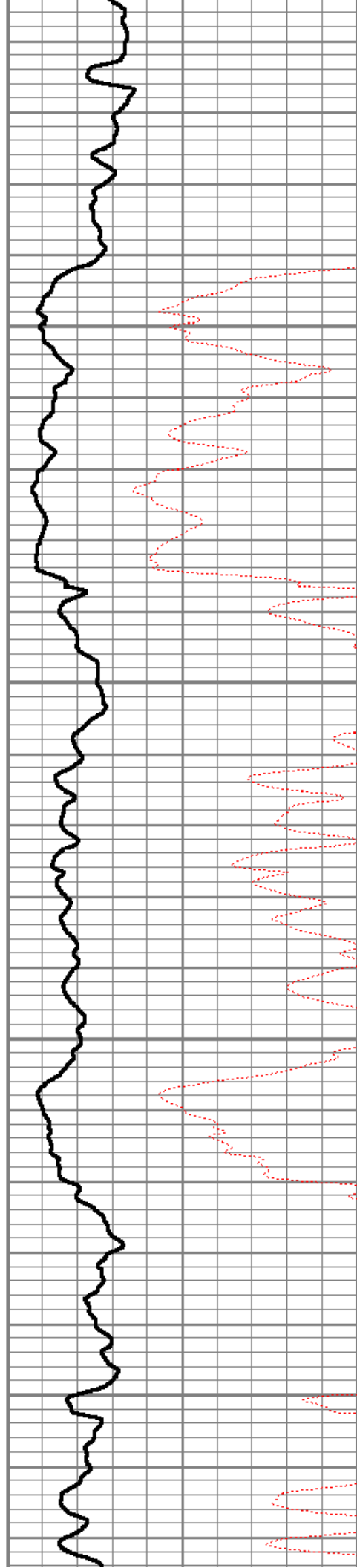


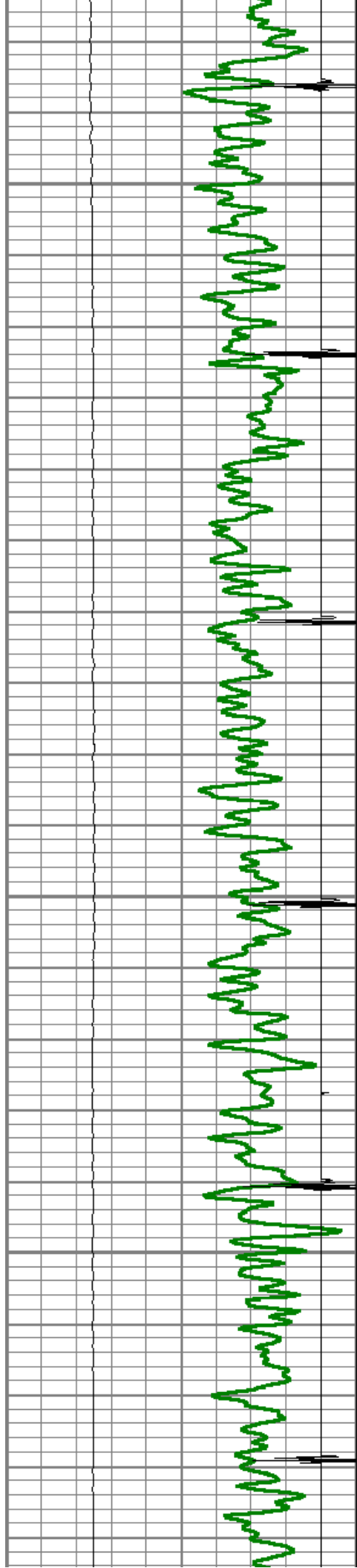
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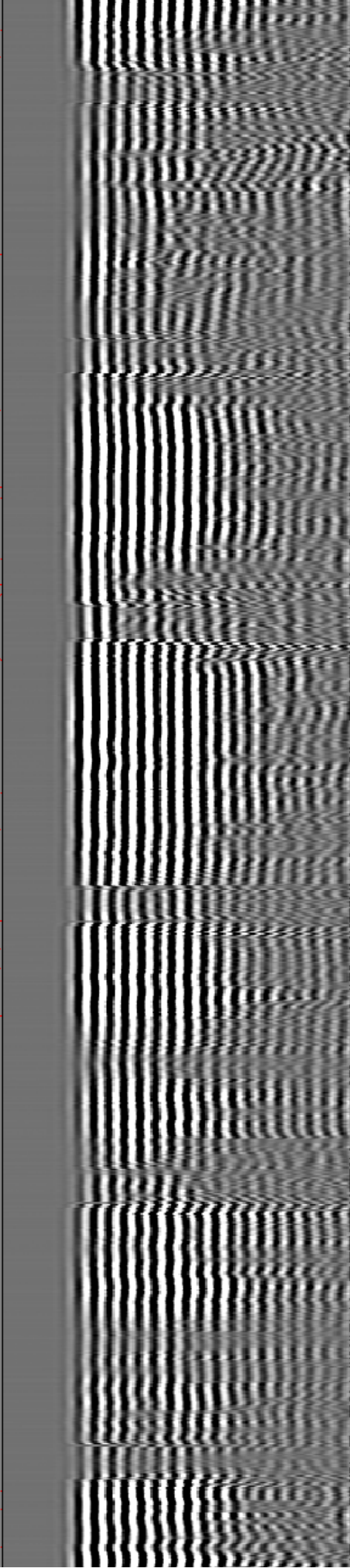
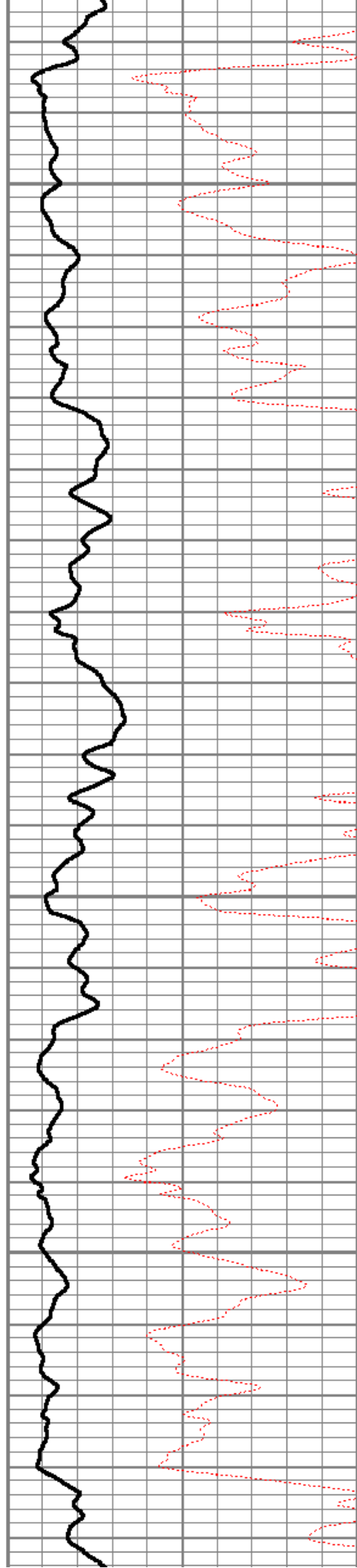


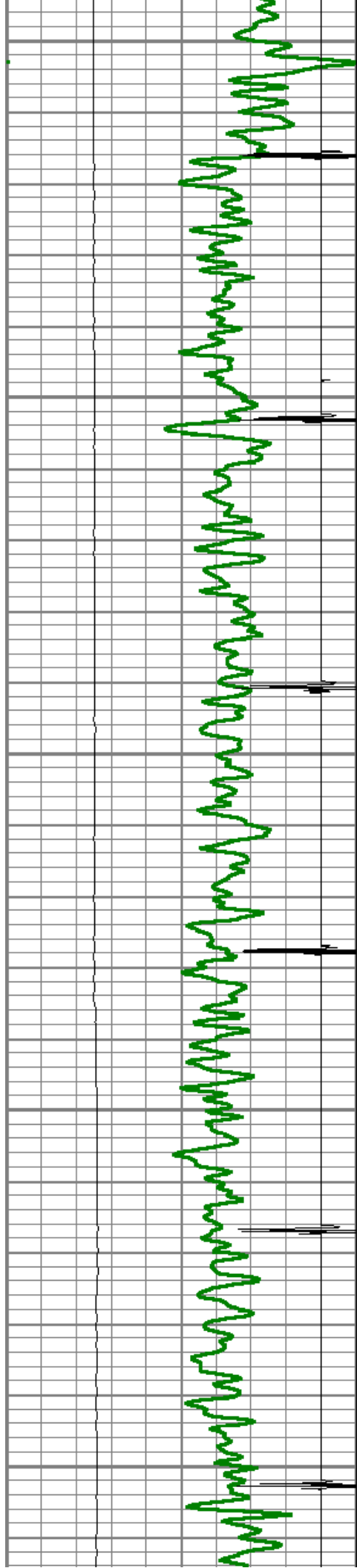
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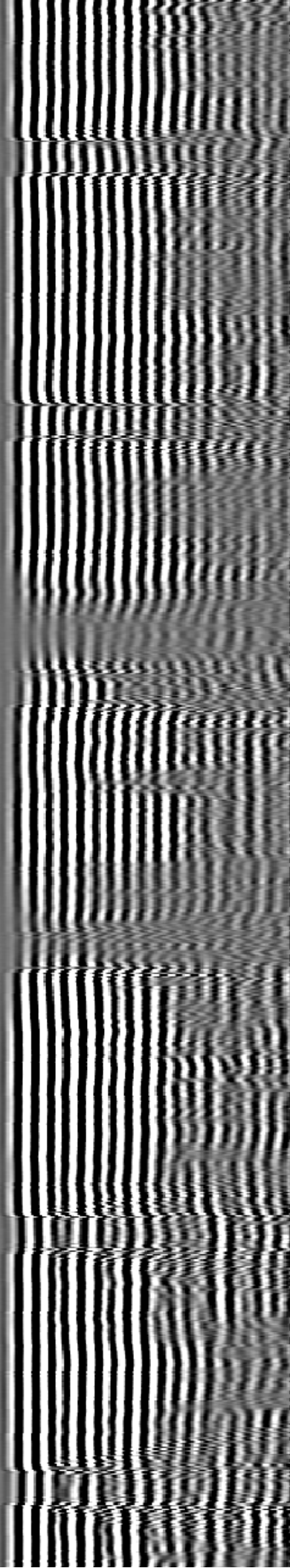
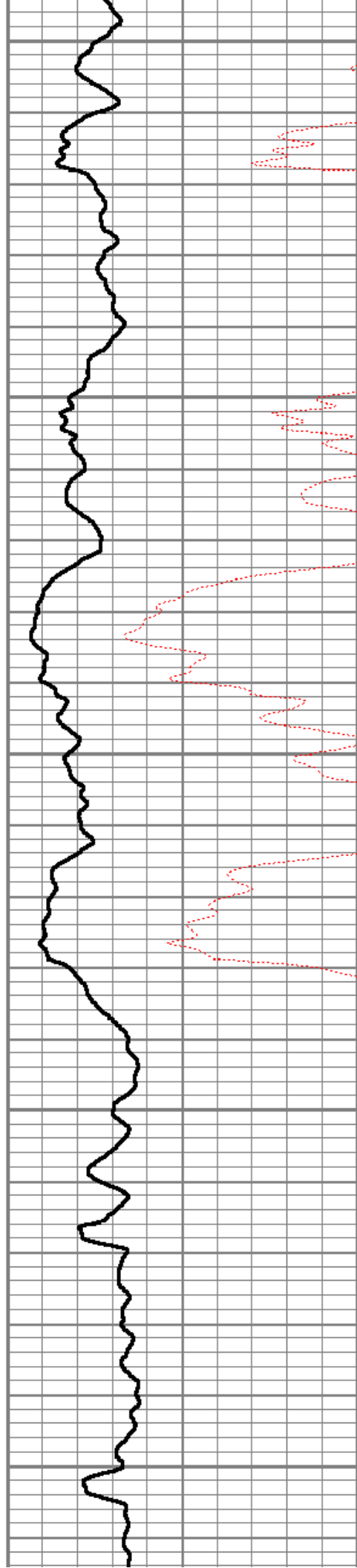
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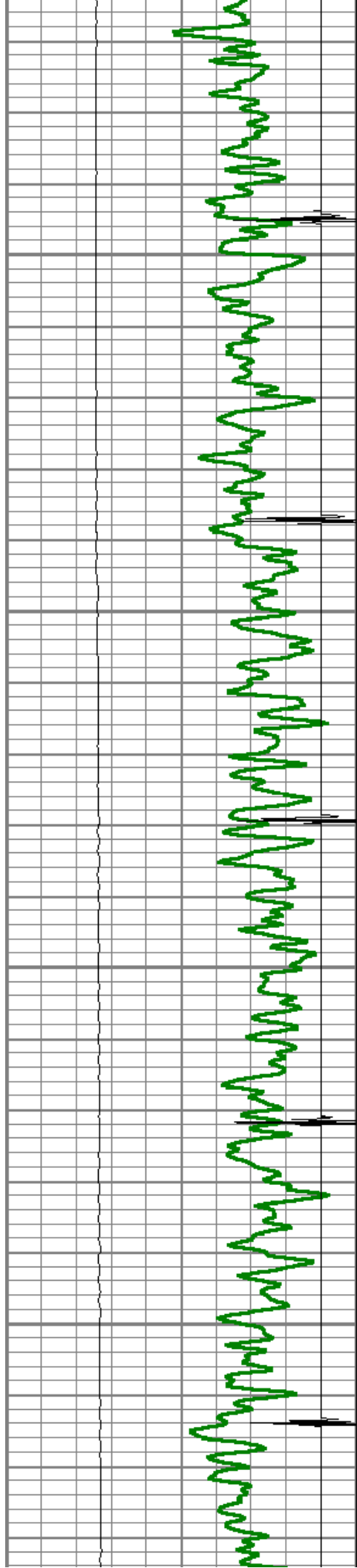
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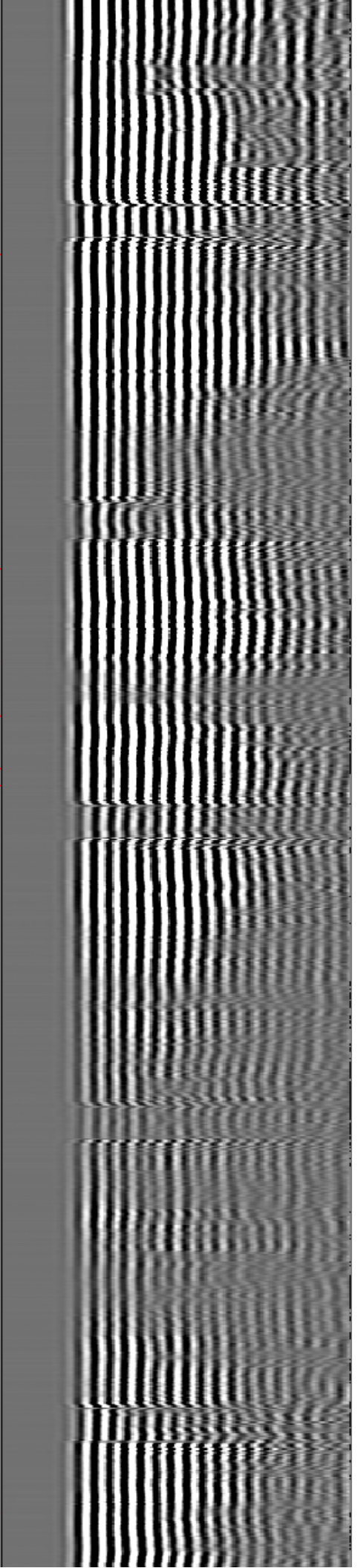
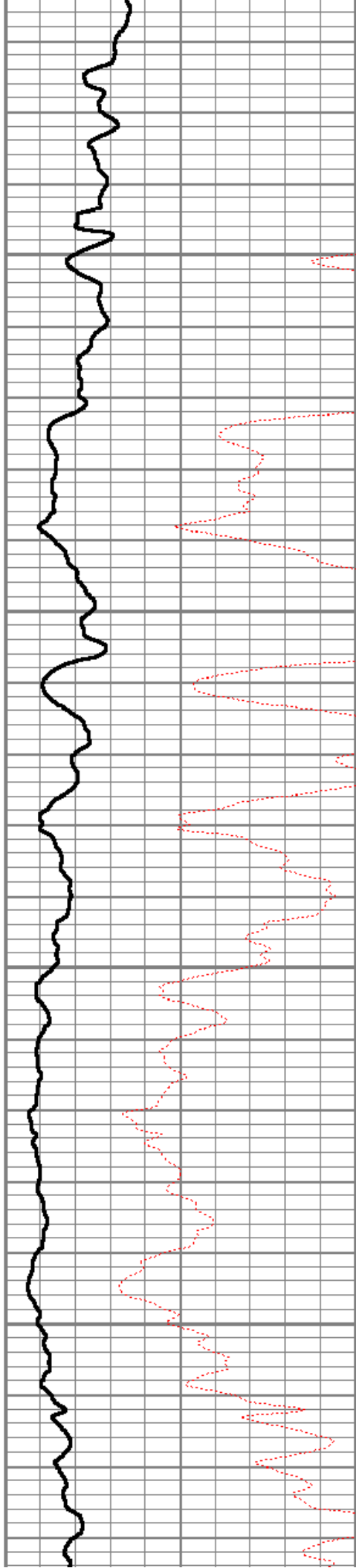


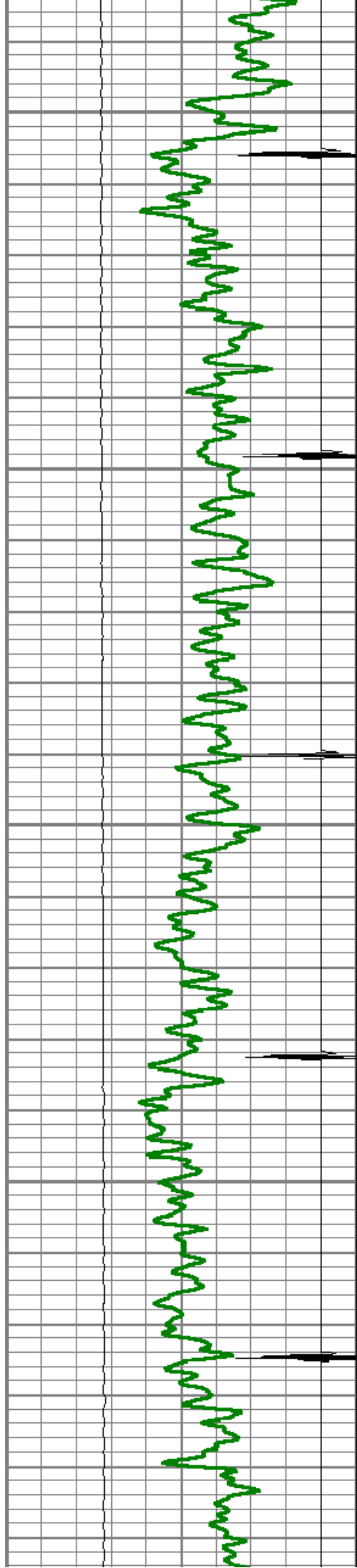
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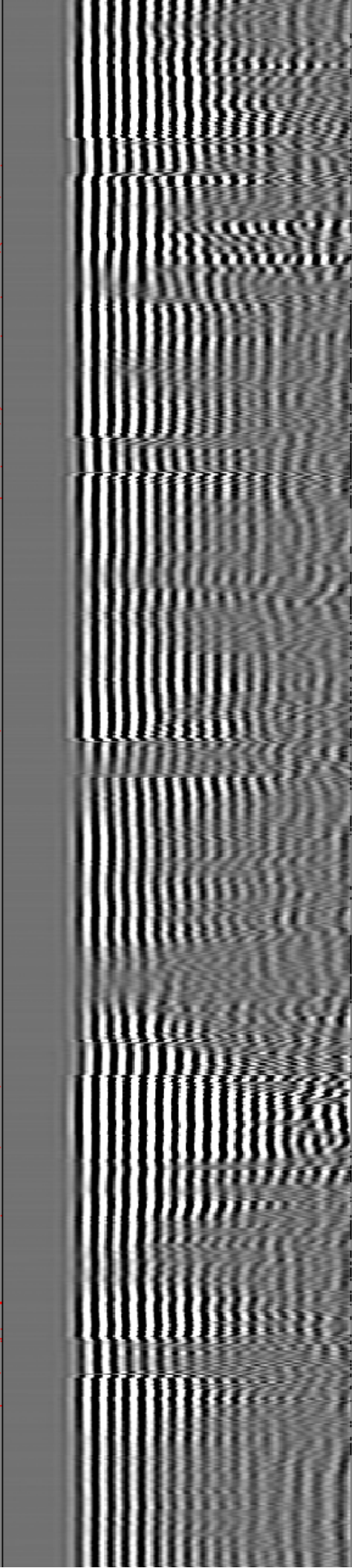
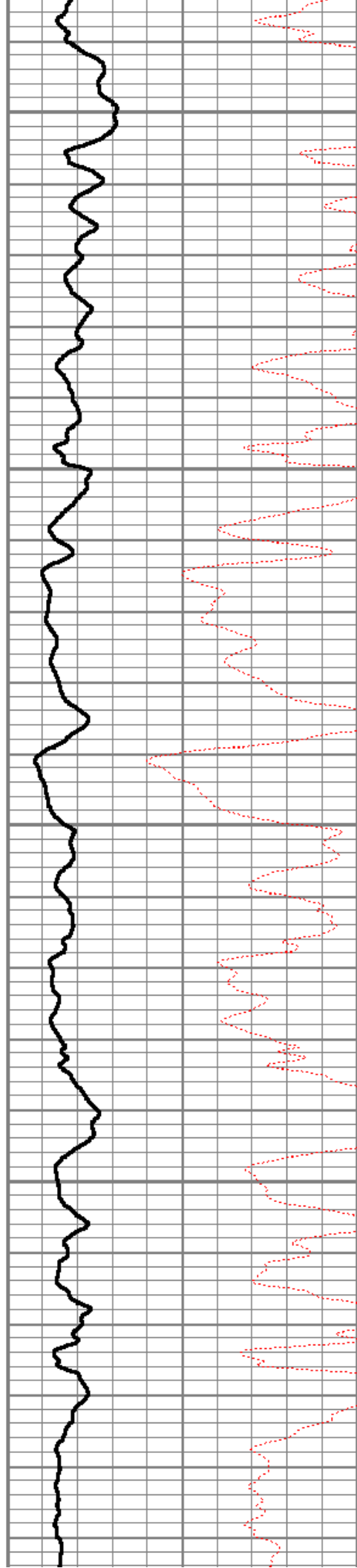
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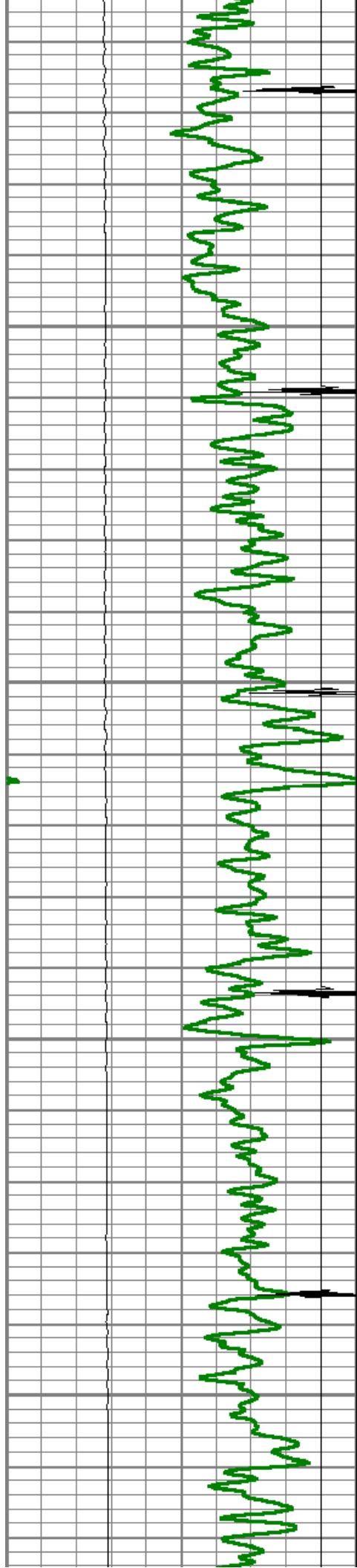
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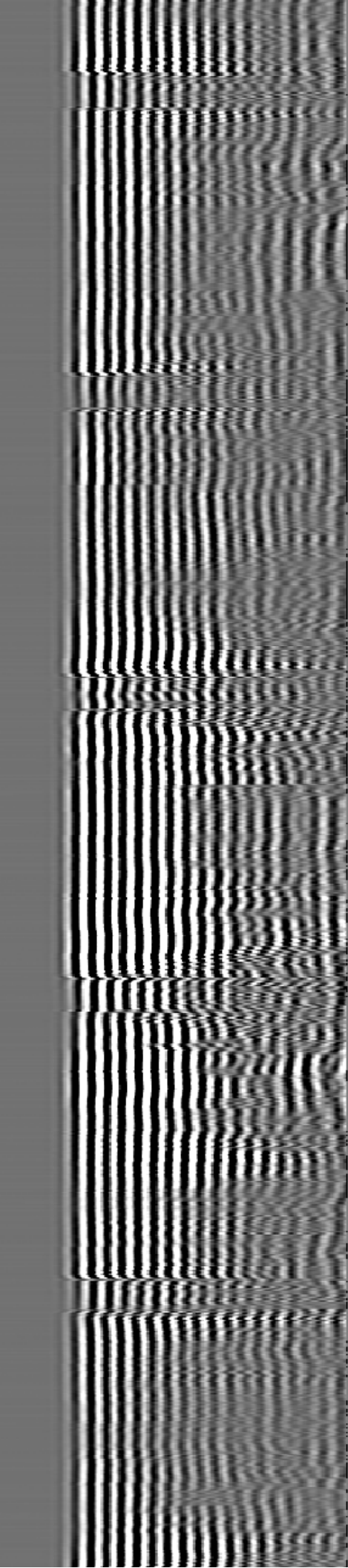
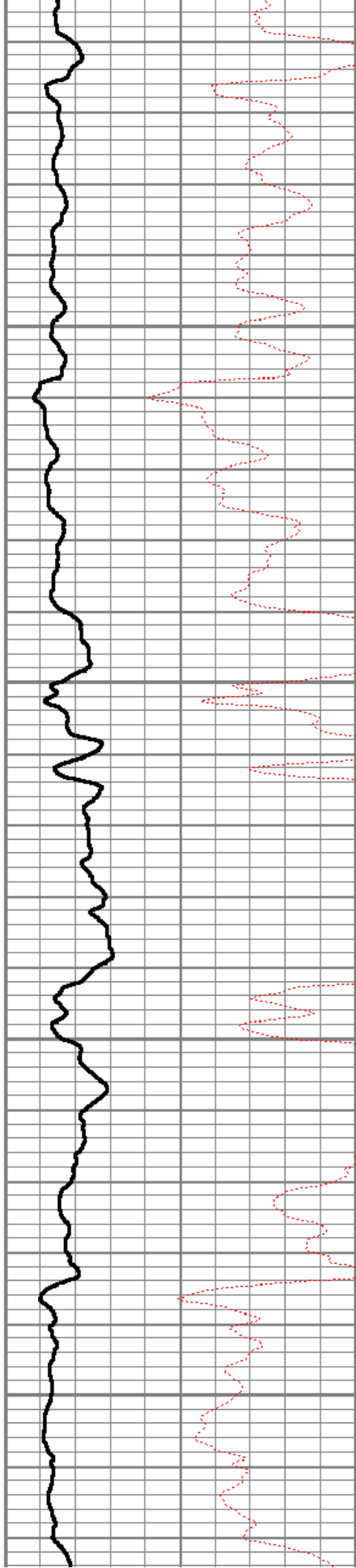


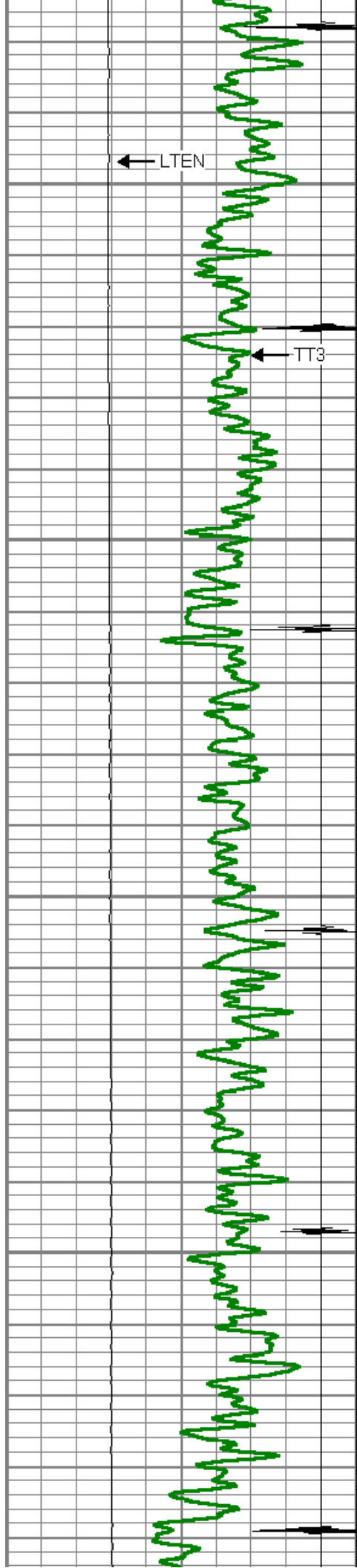
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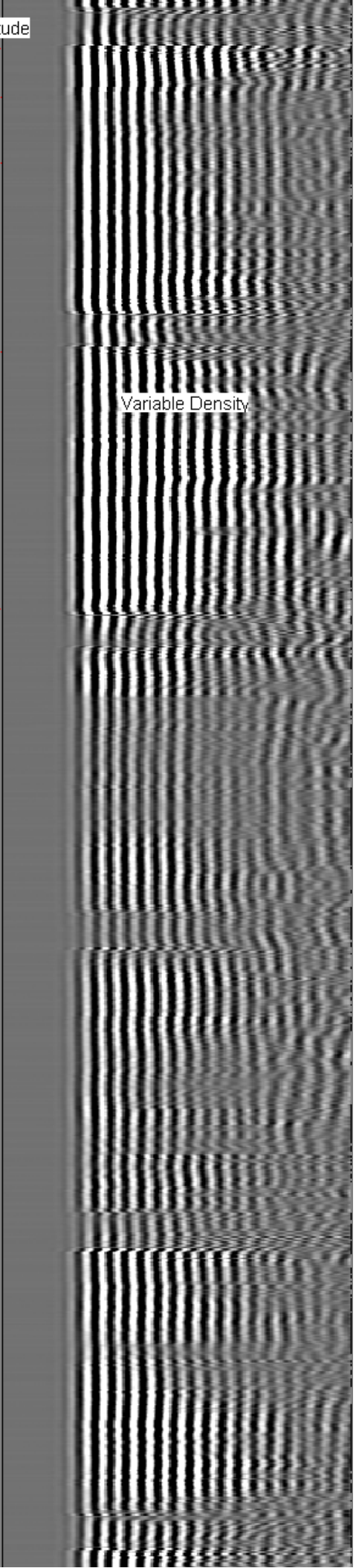
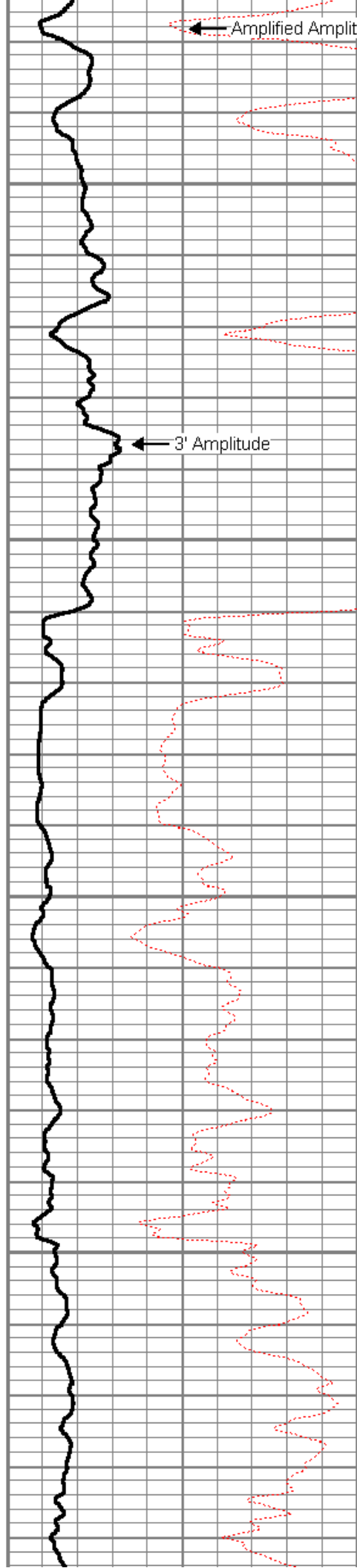
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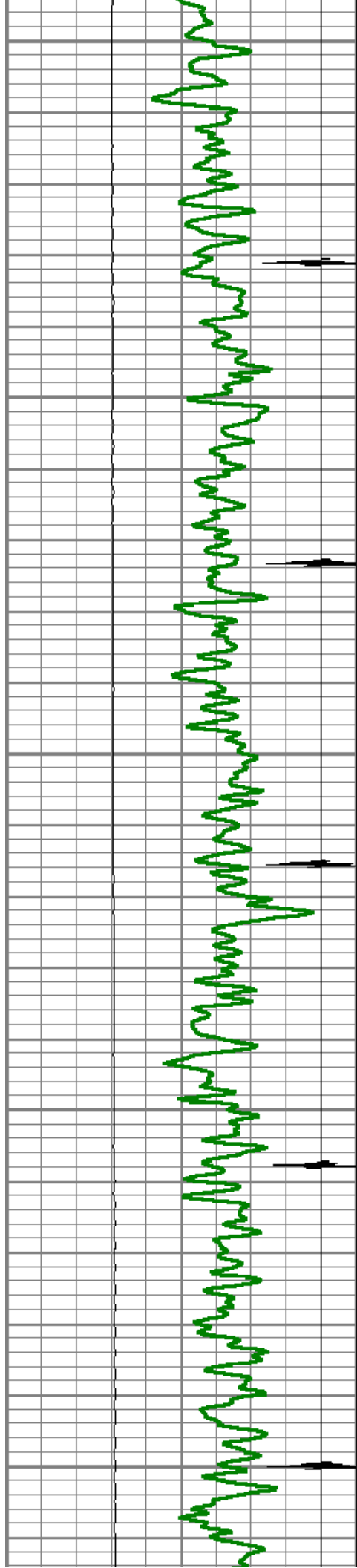
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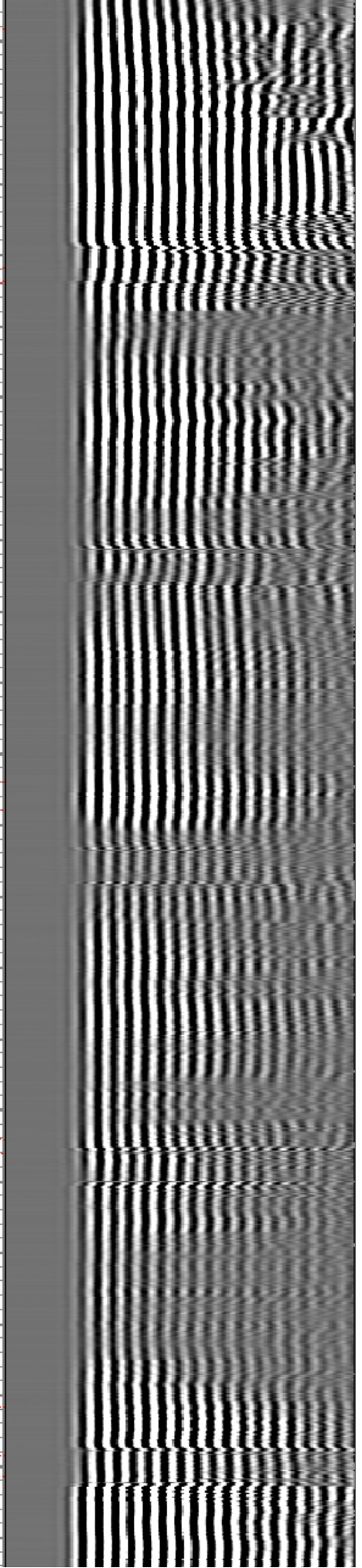
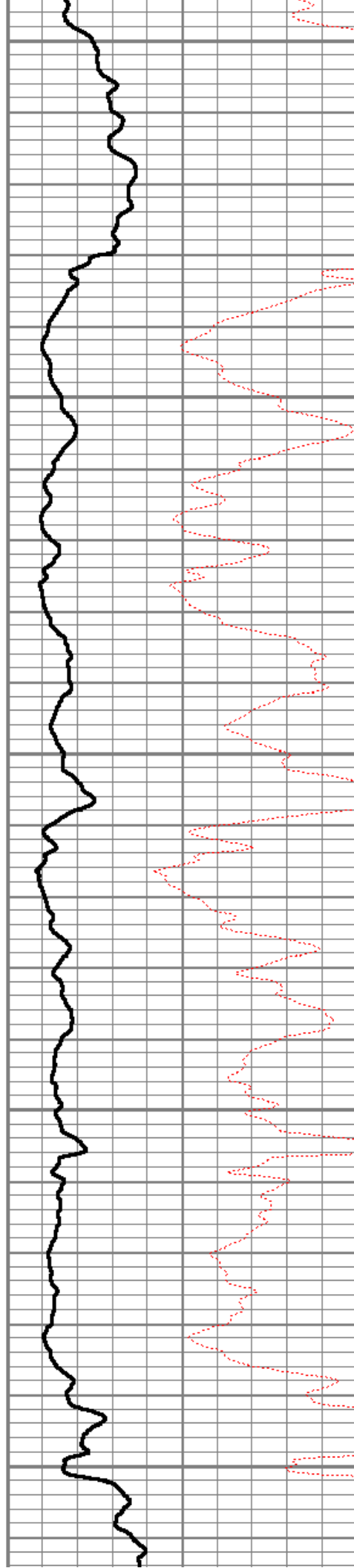
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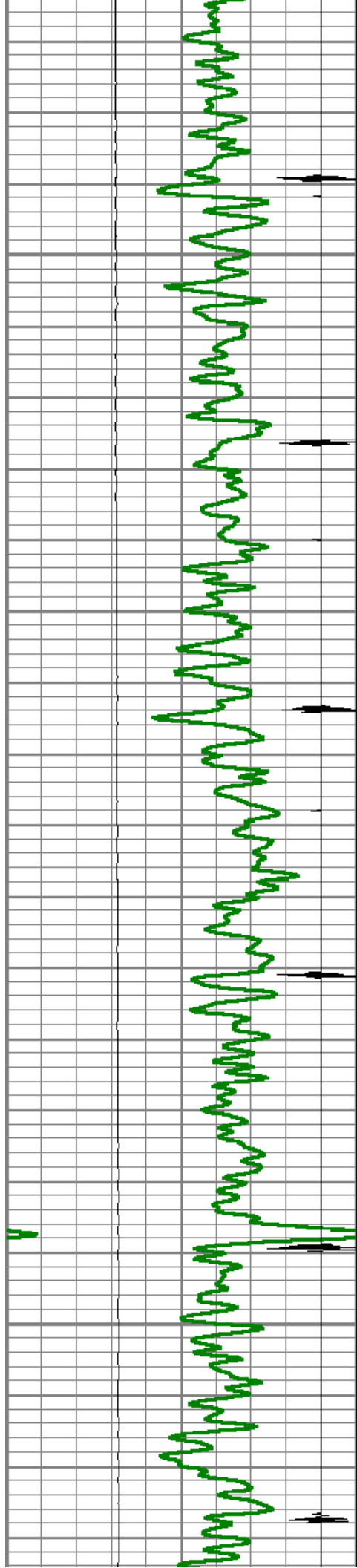
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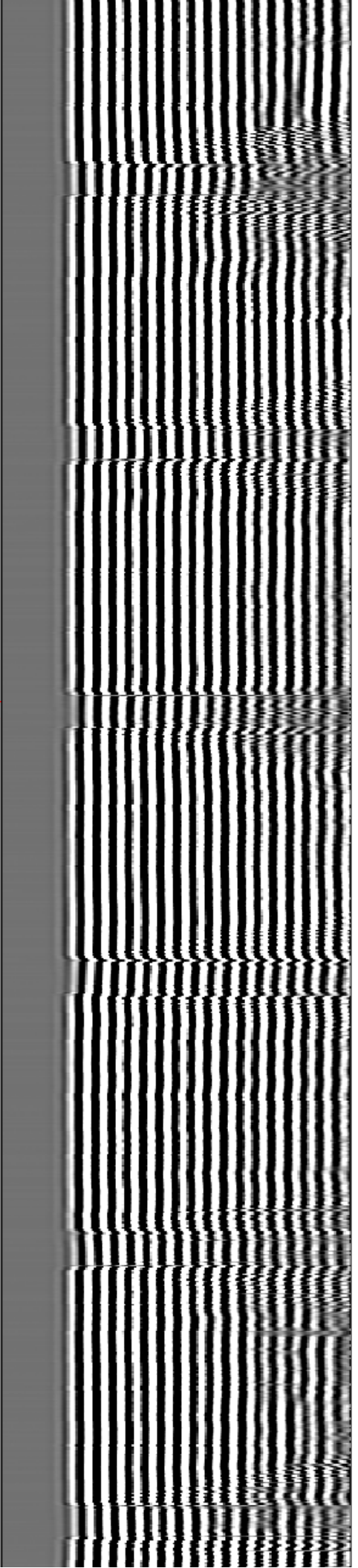
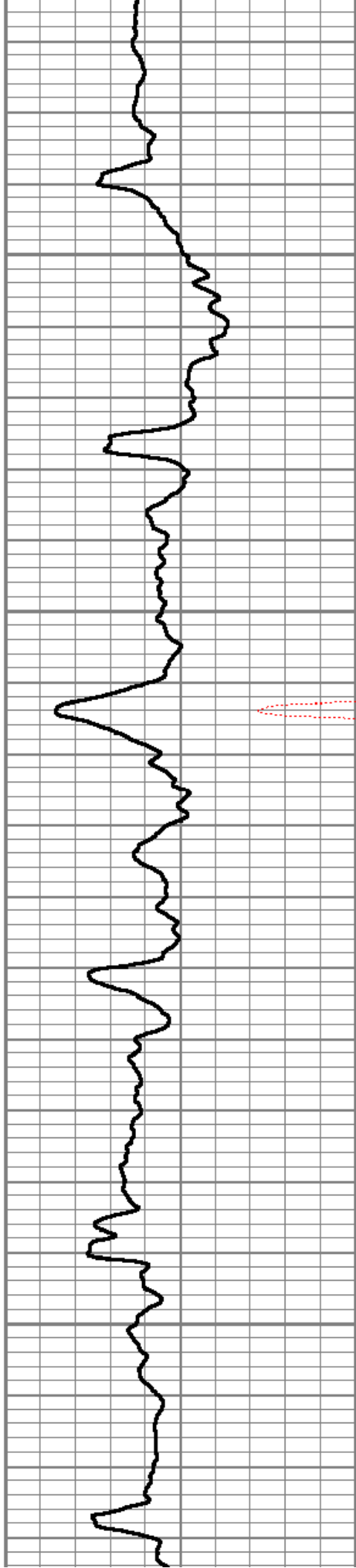


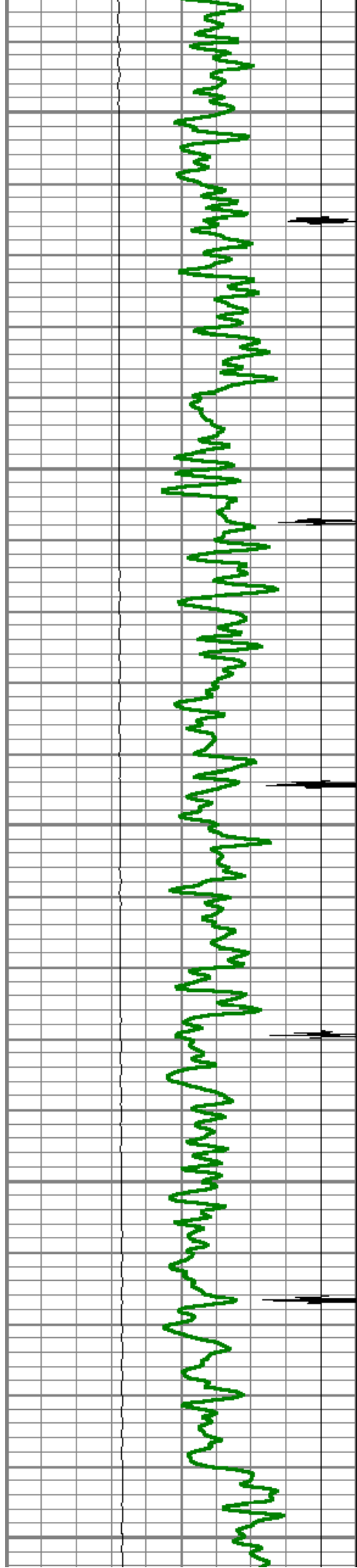
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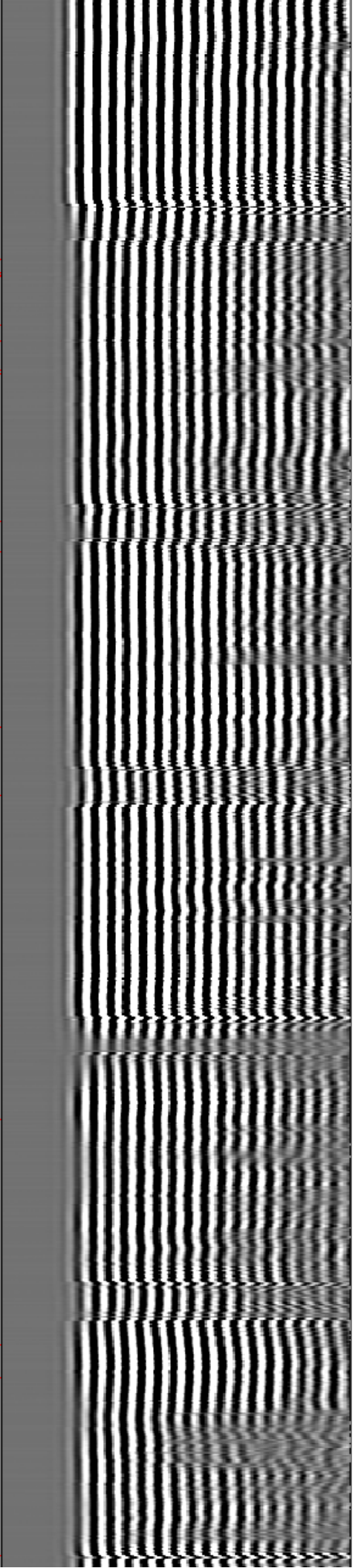
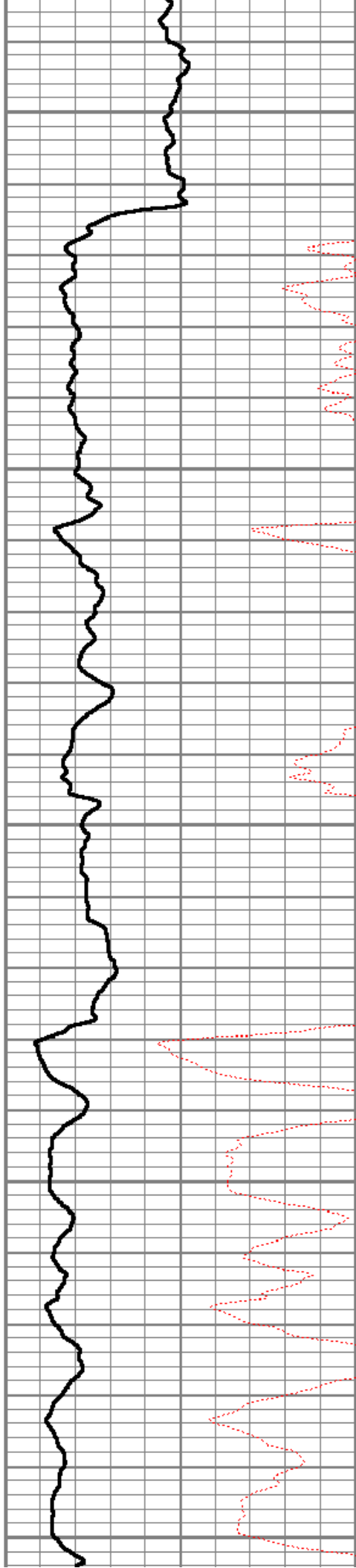
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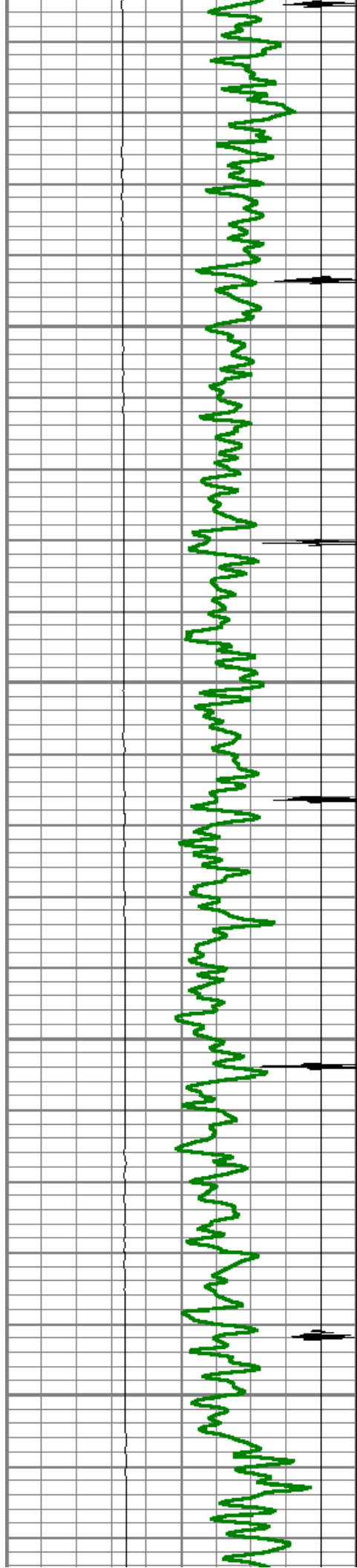
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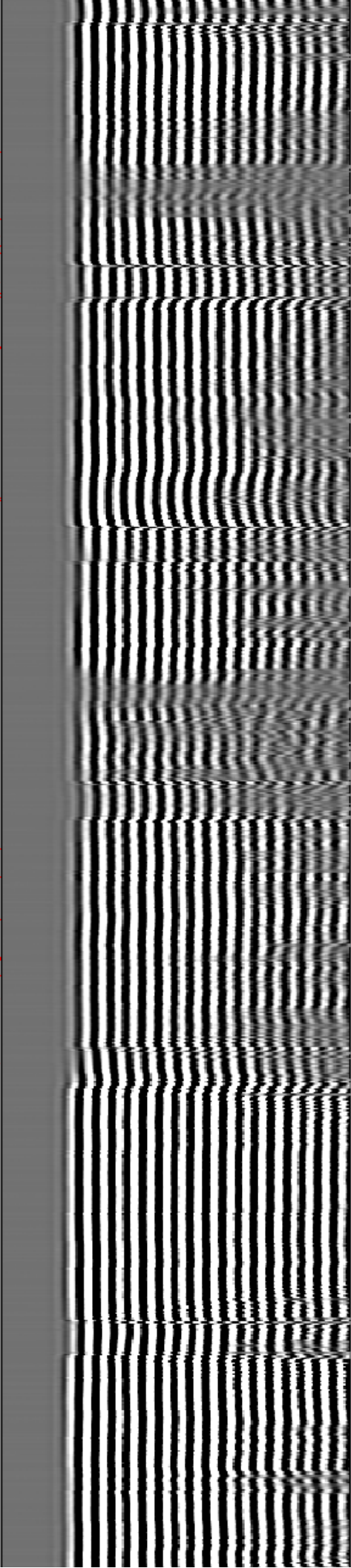
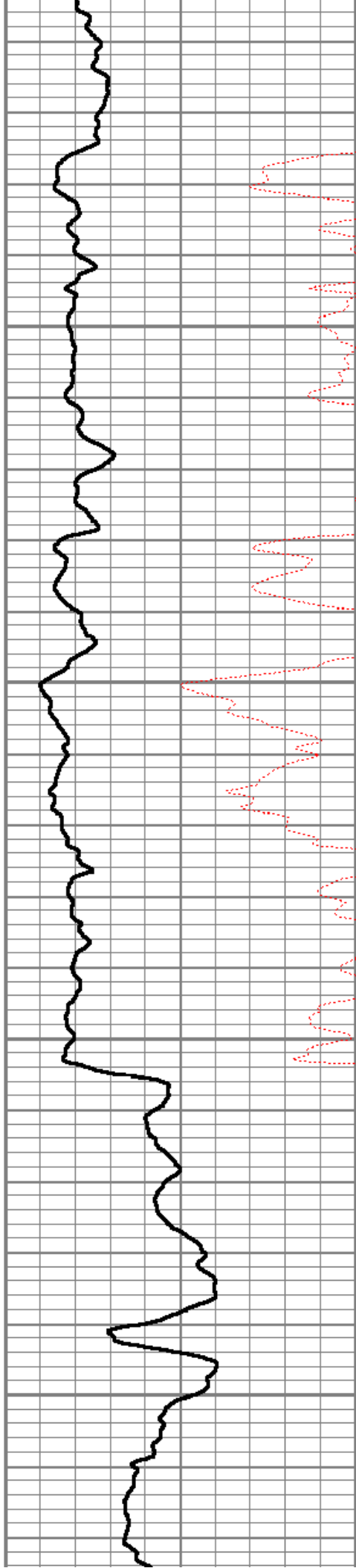


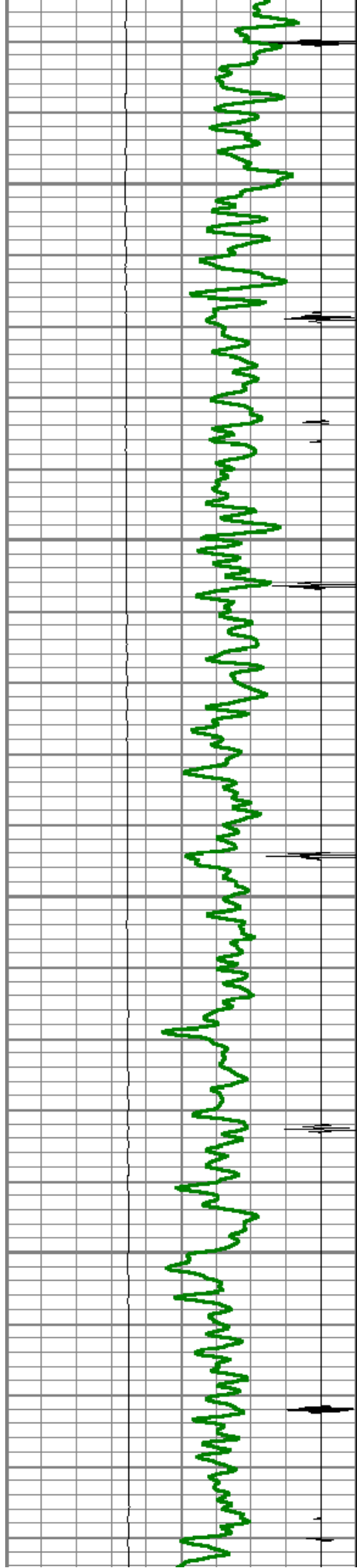
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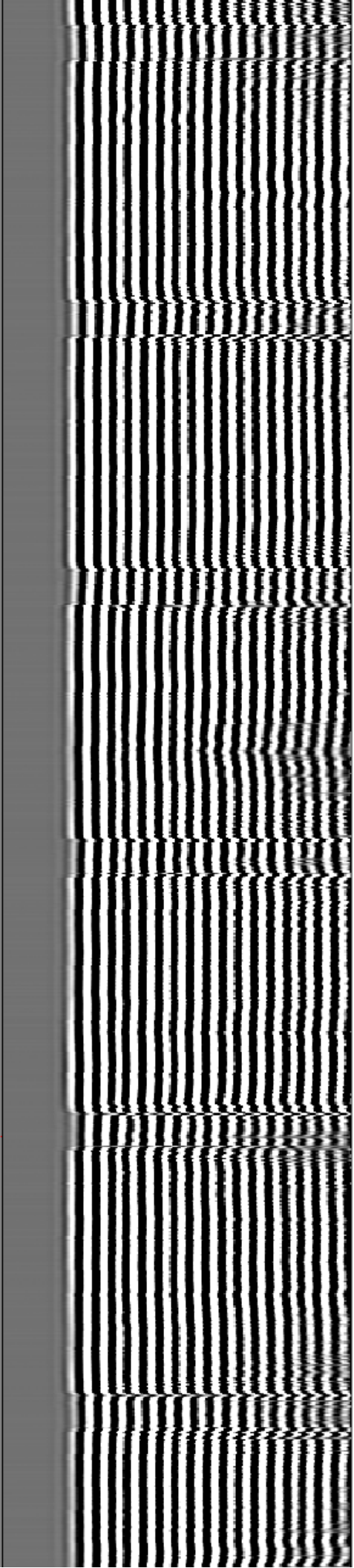
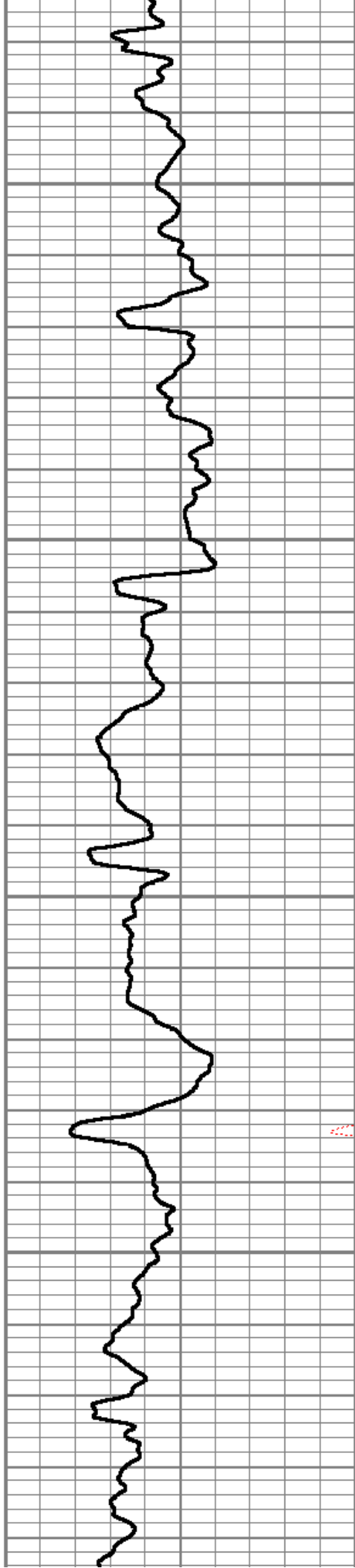


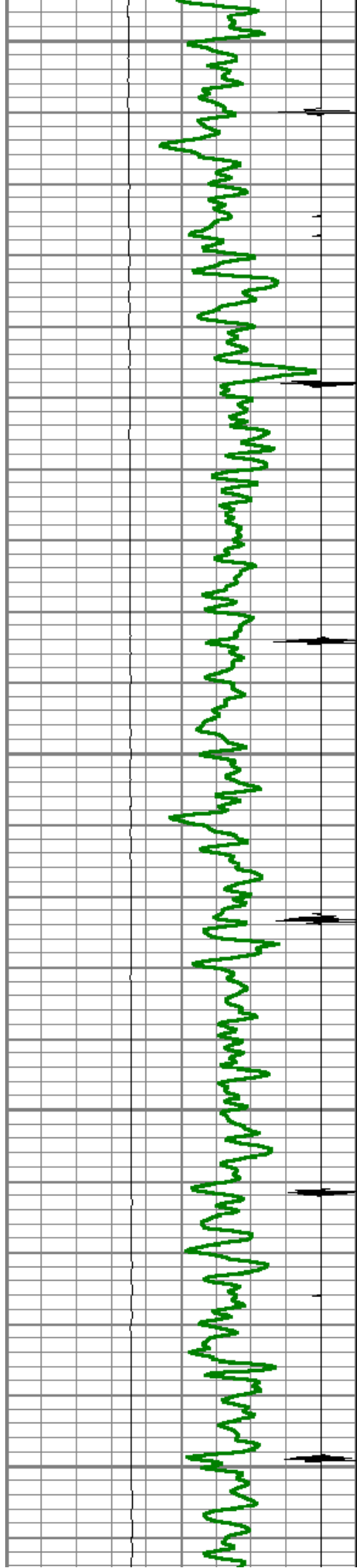
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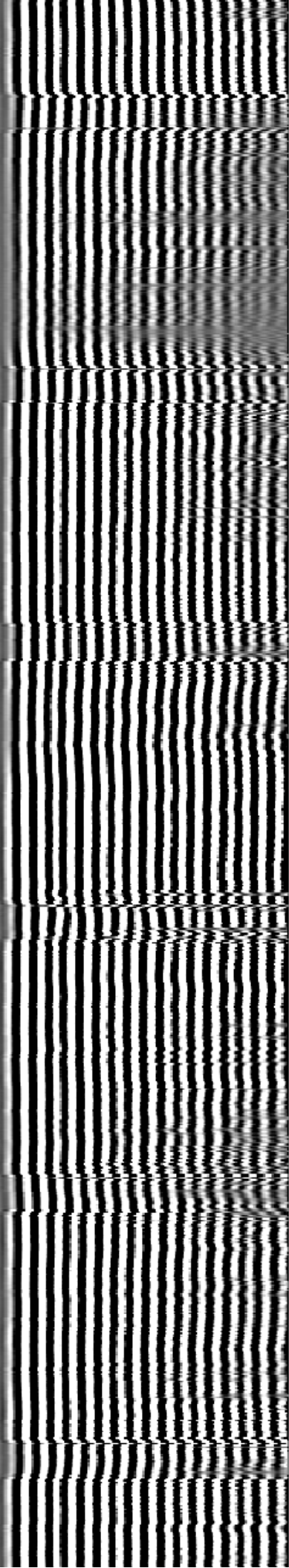
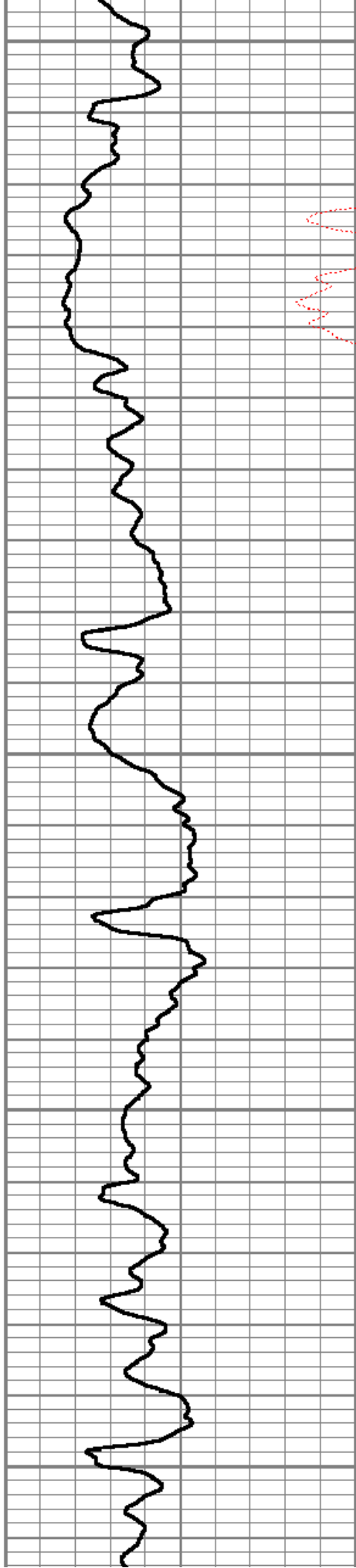
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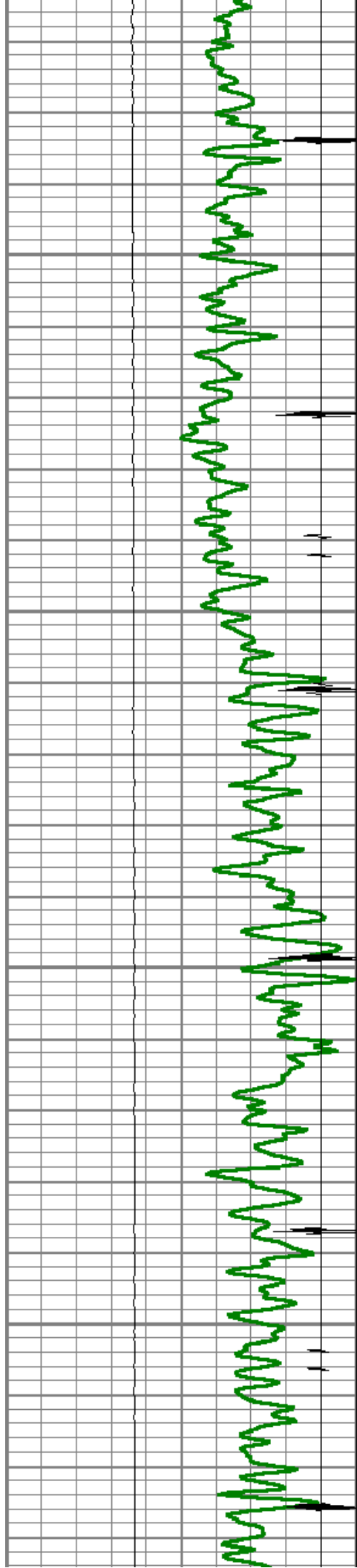
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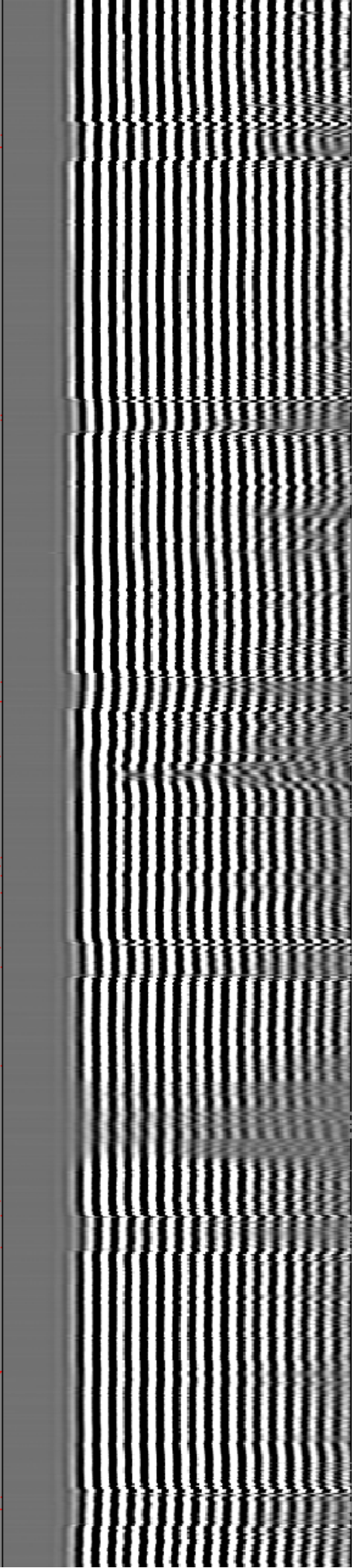
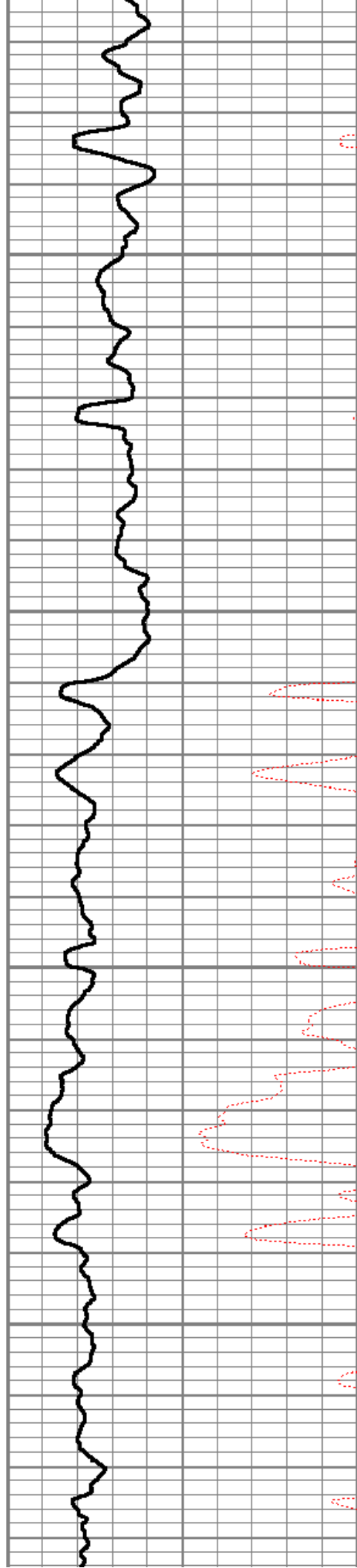


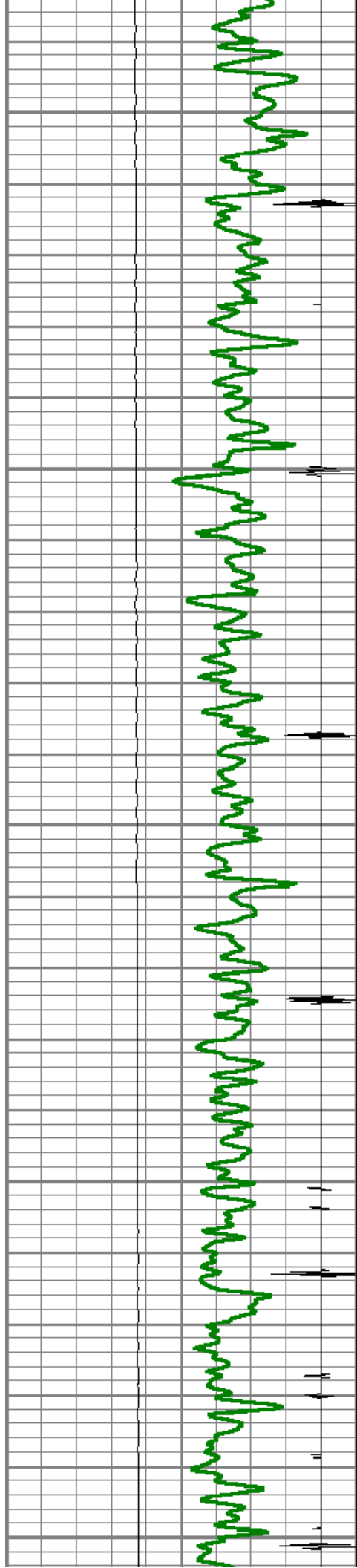
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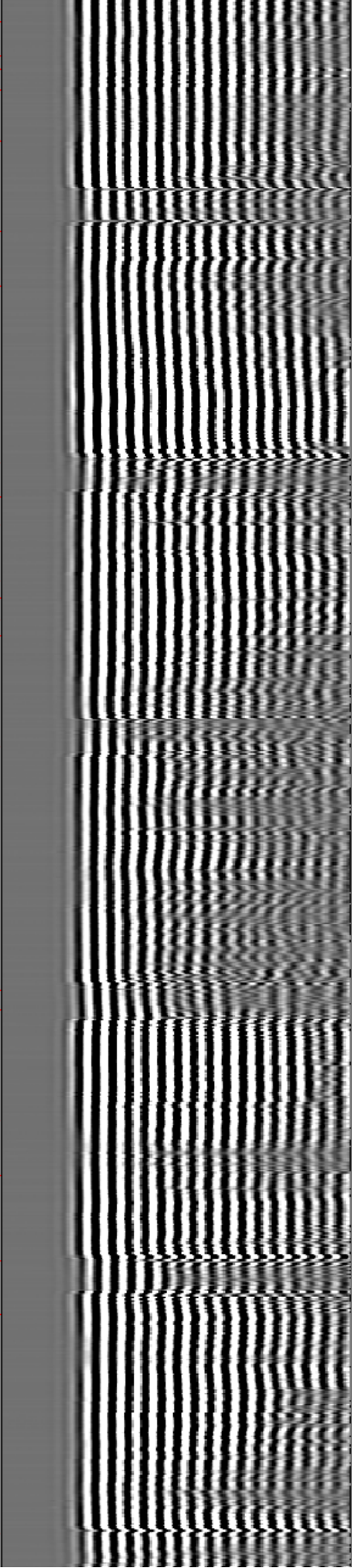
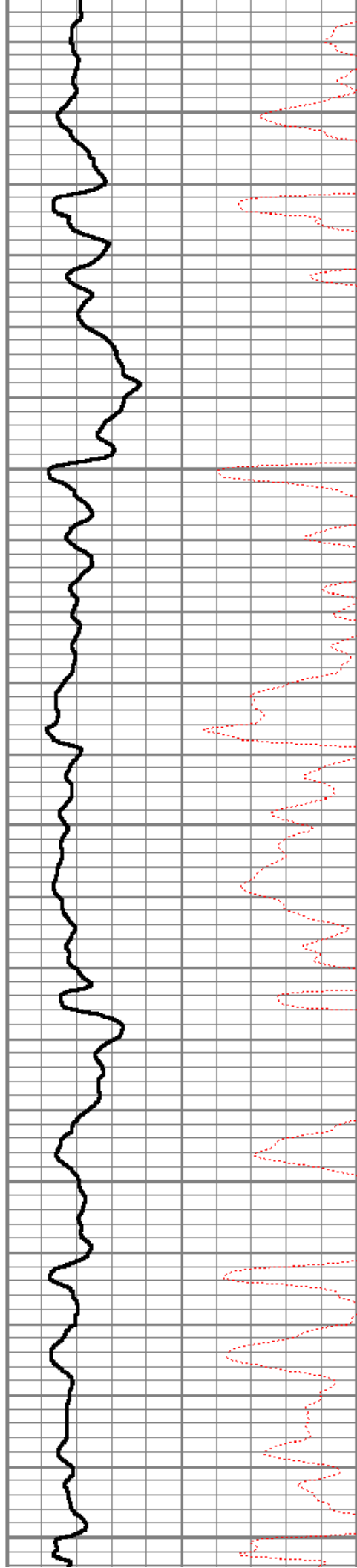
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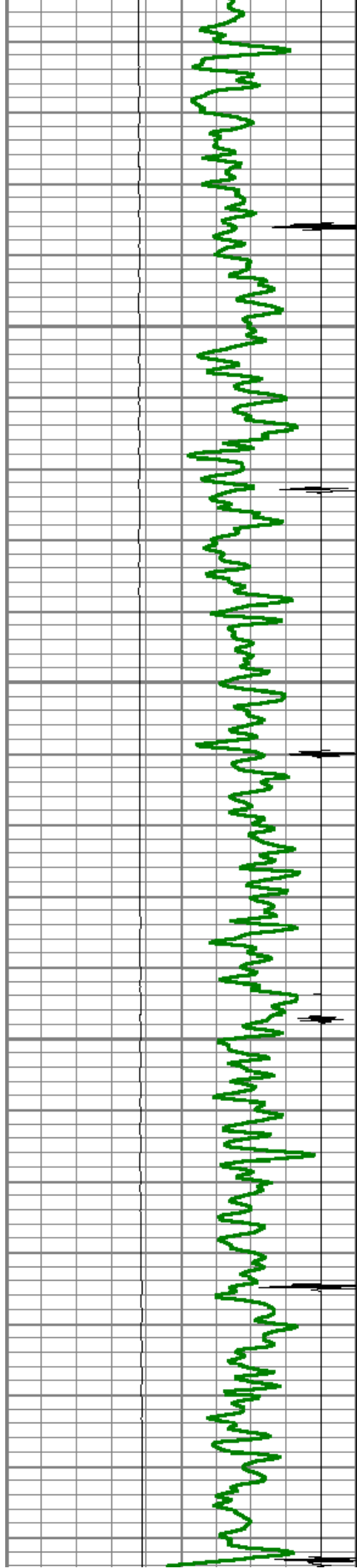
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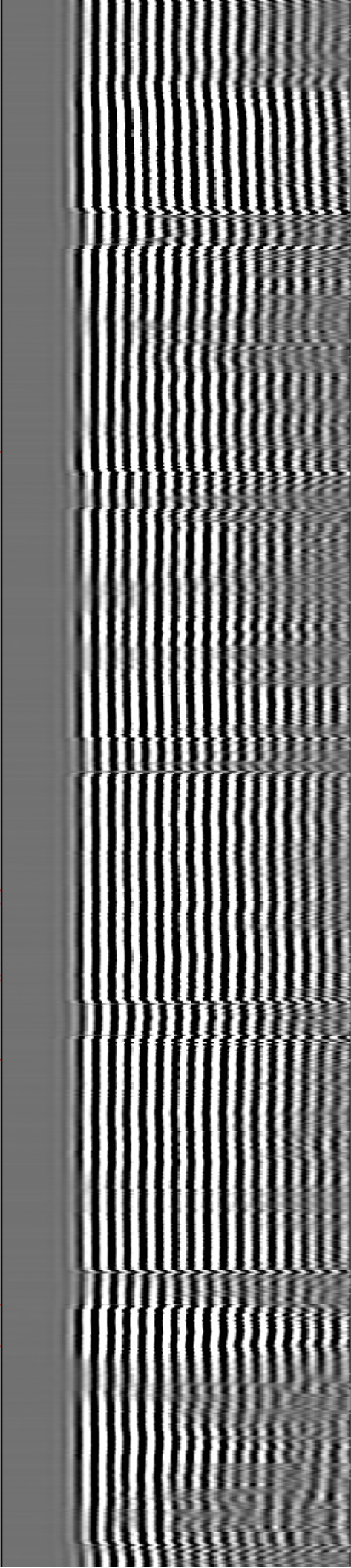
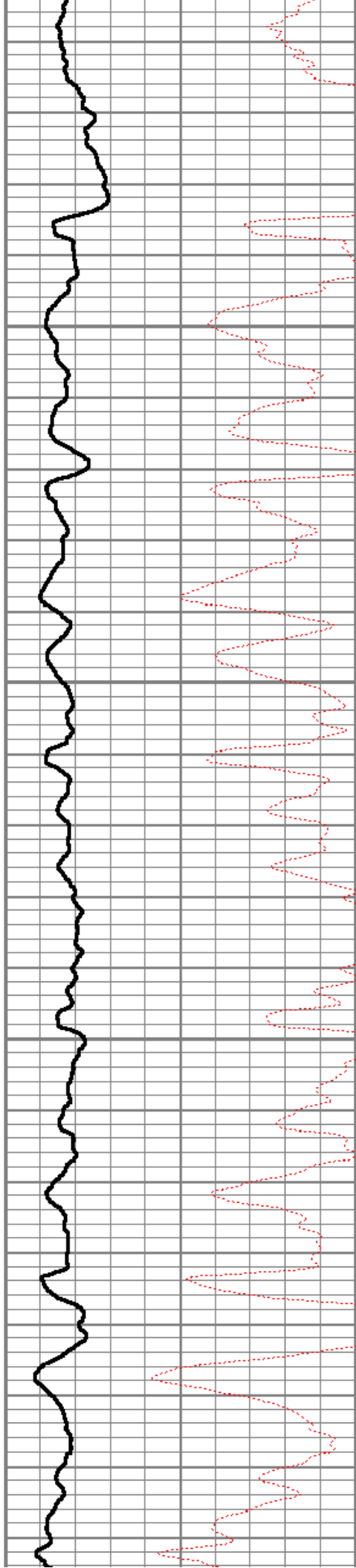


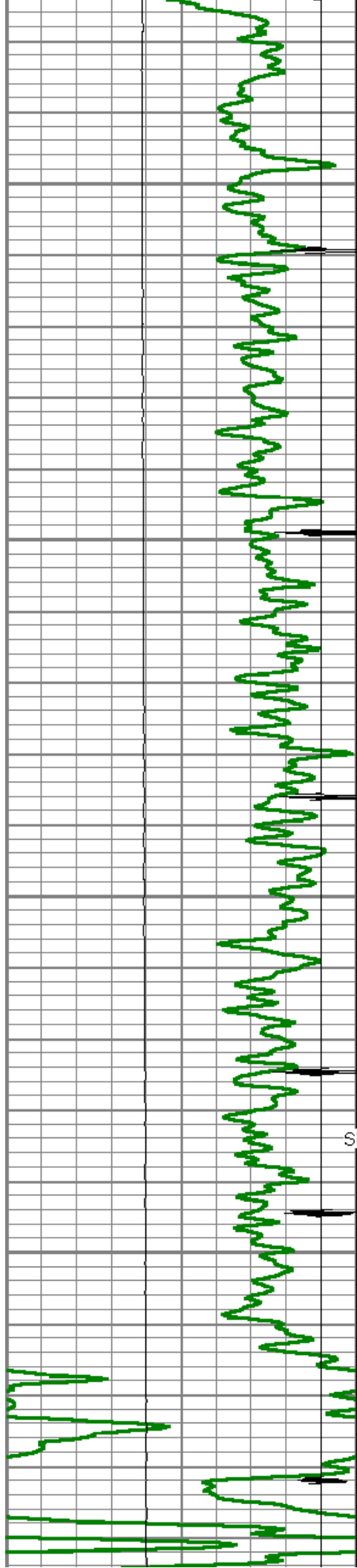
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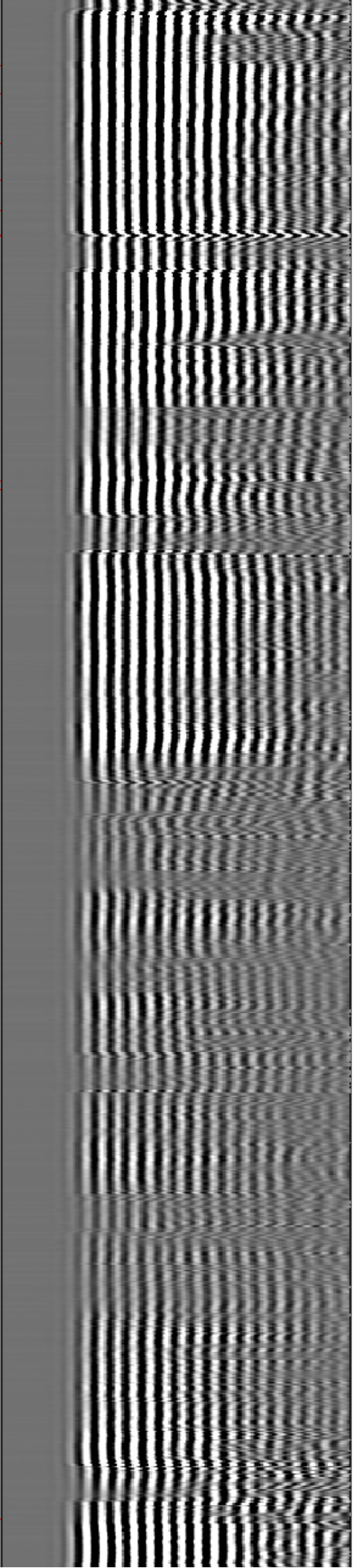
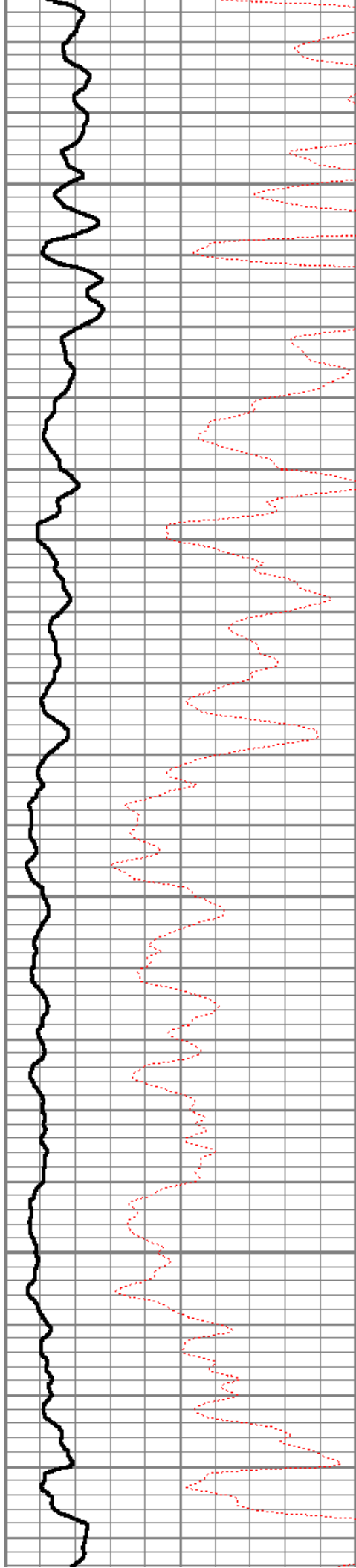
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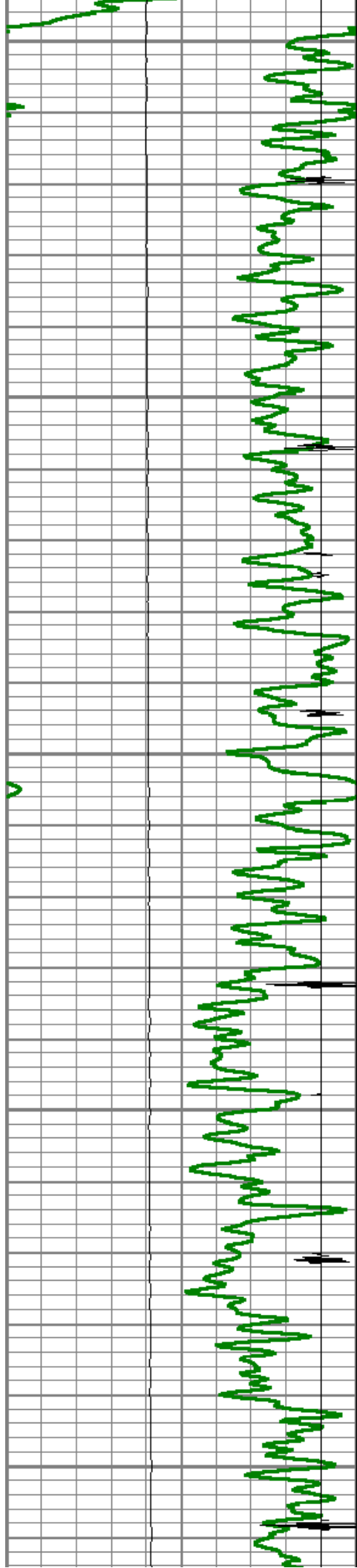
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SHORT JOINT

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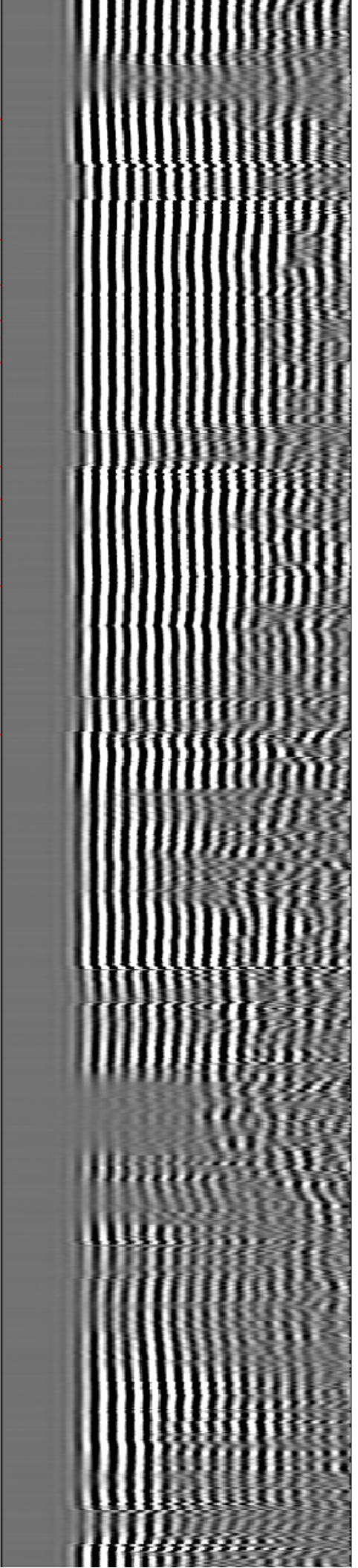
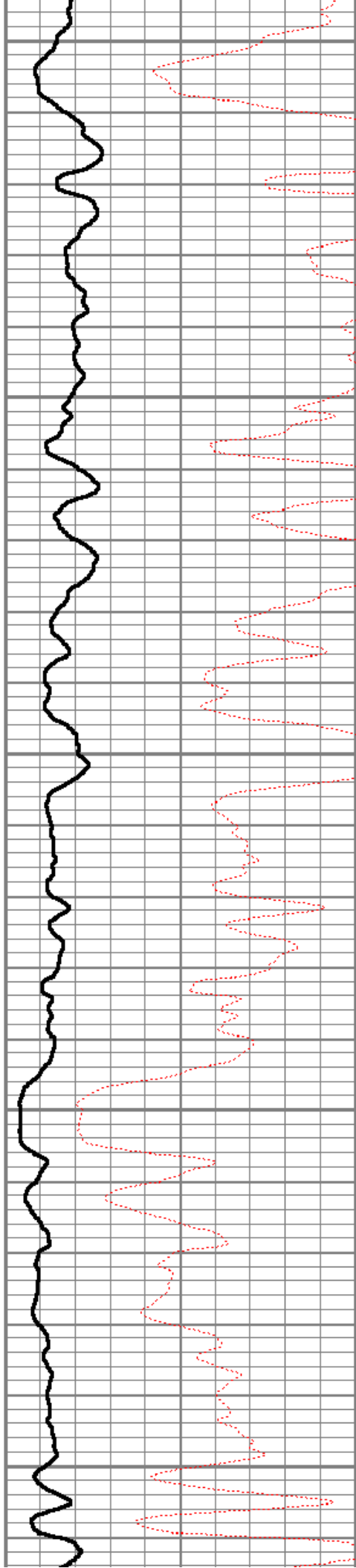
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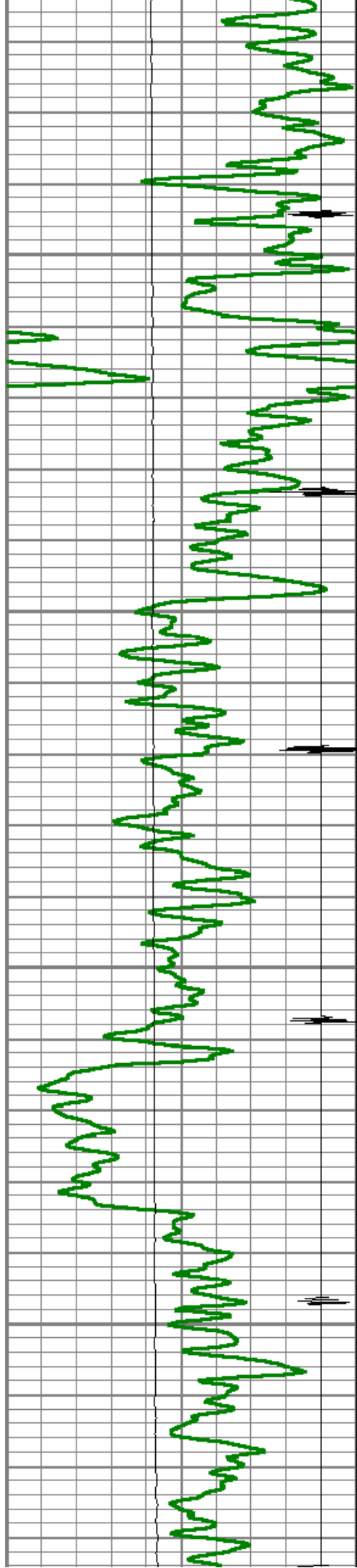
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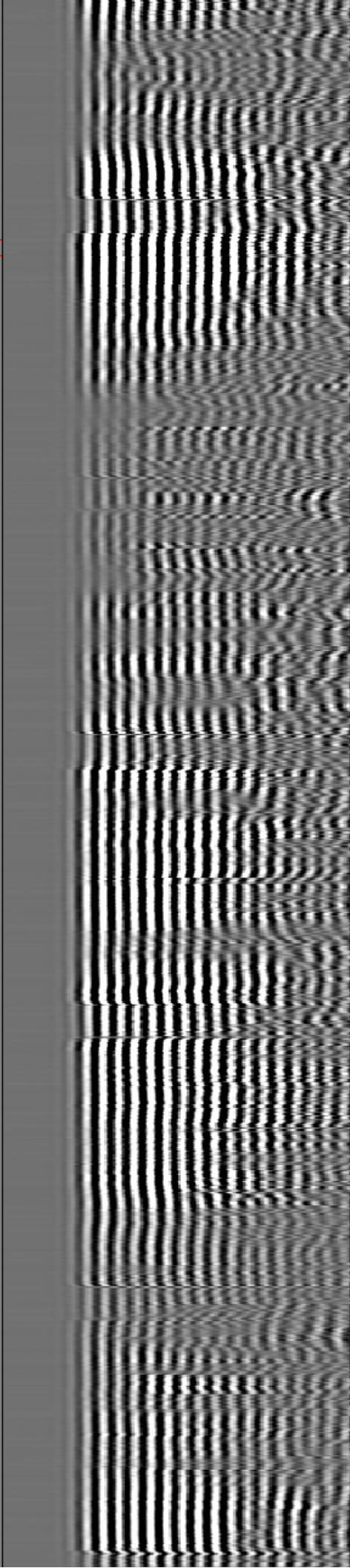
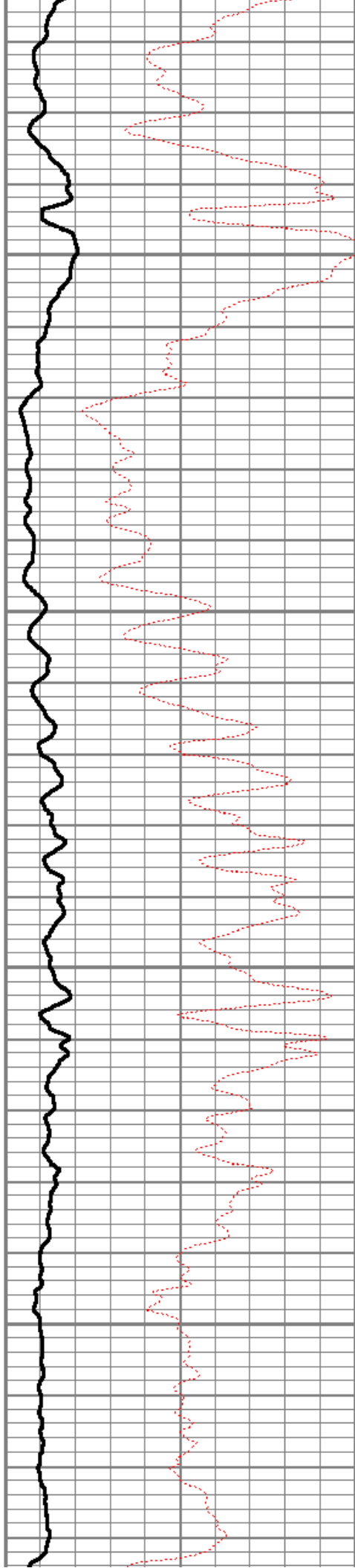


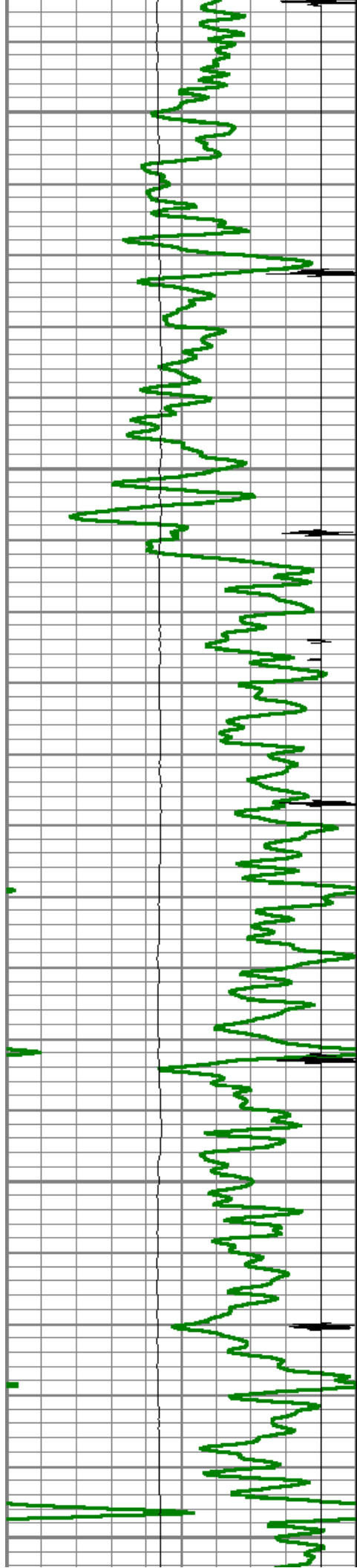
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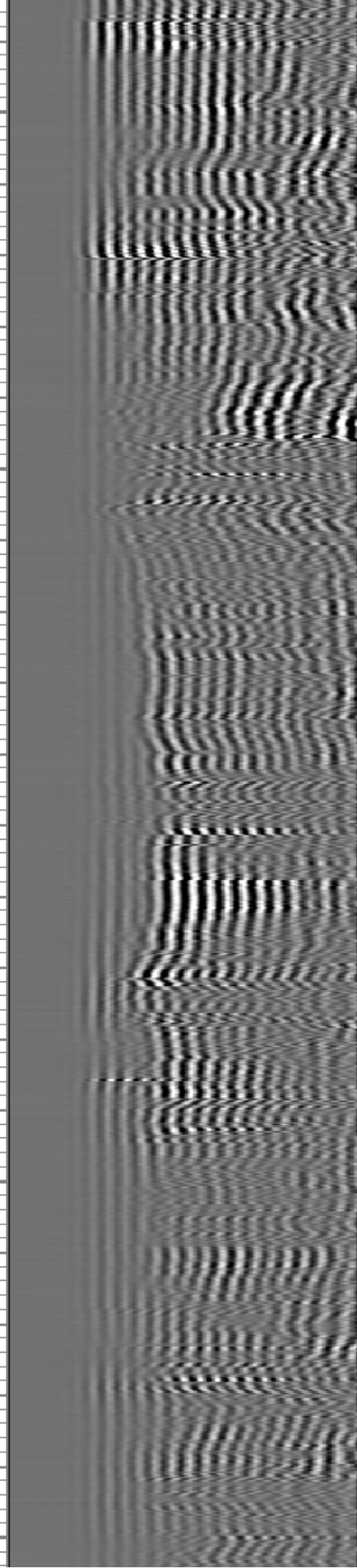
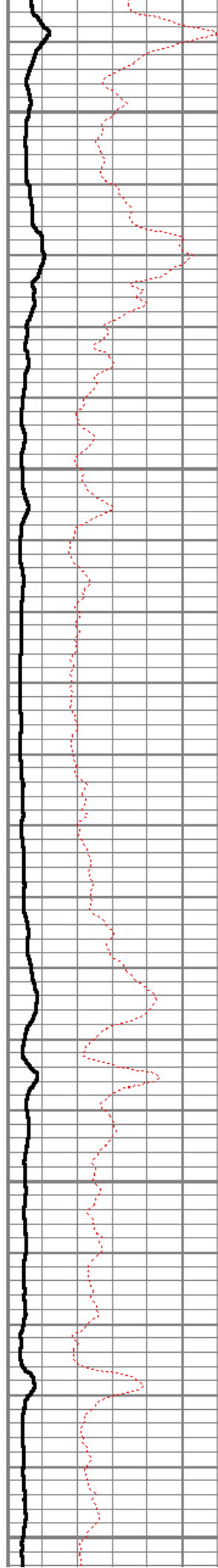
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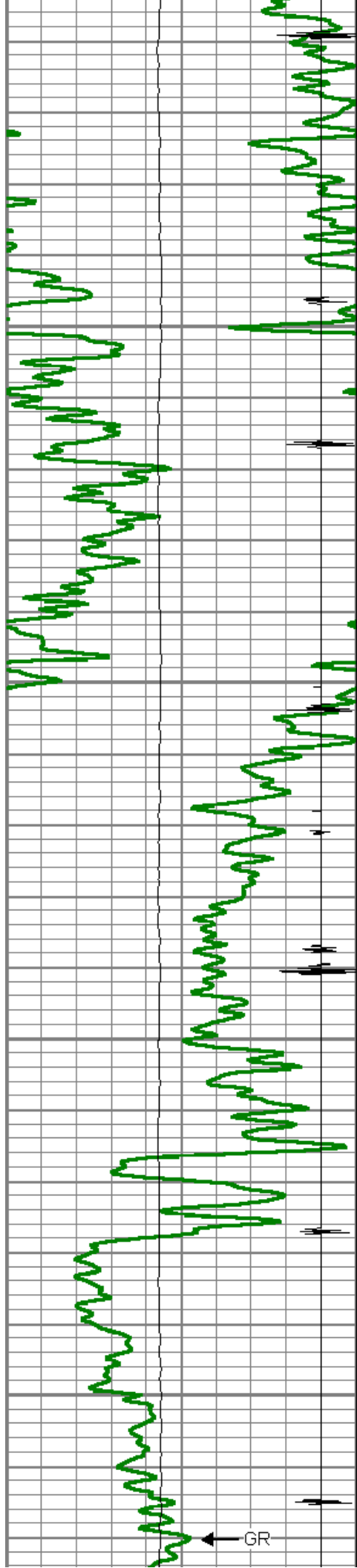
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8550



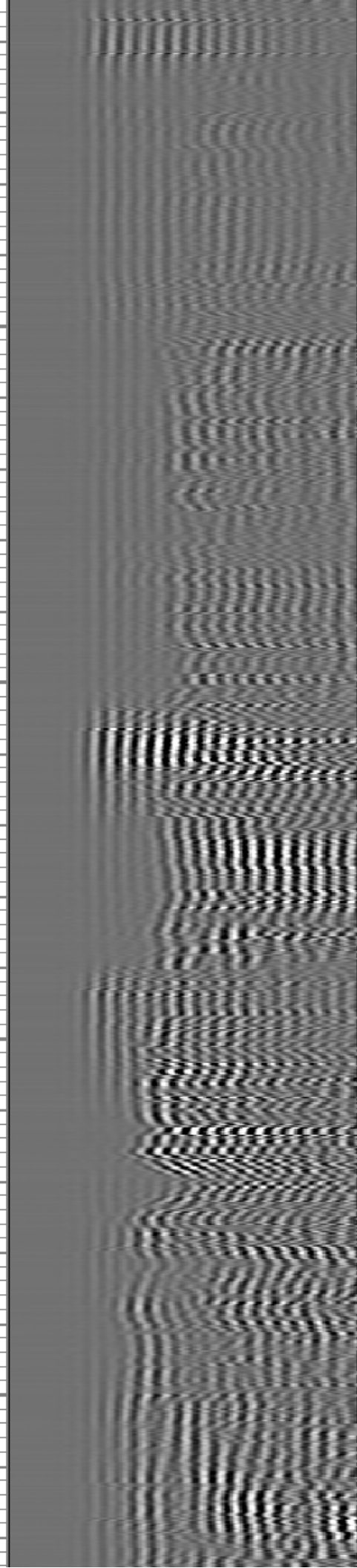
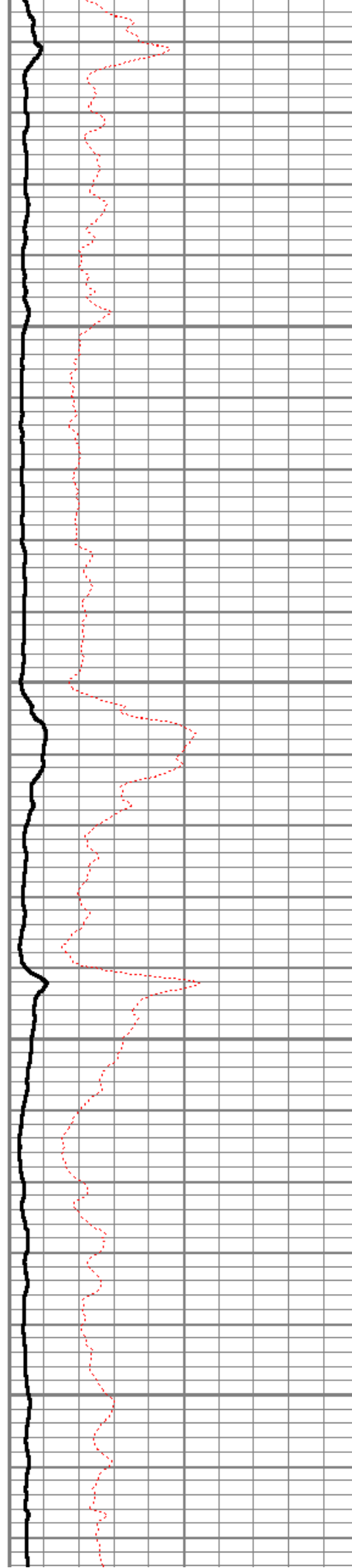


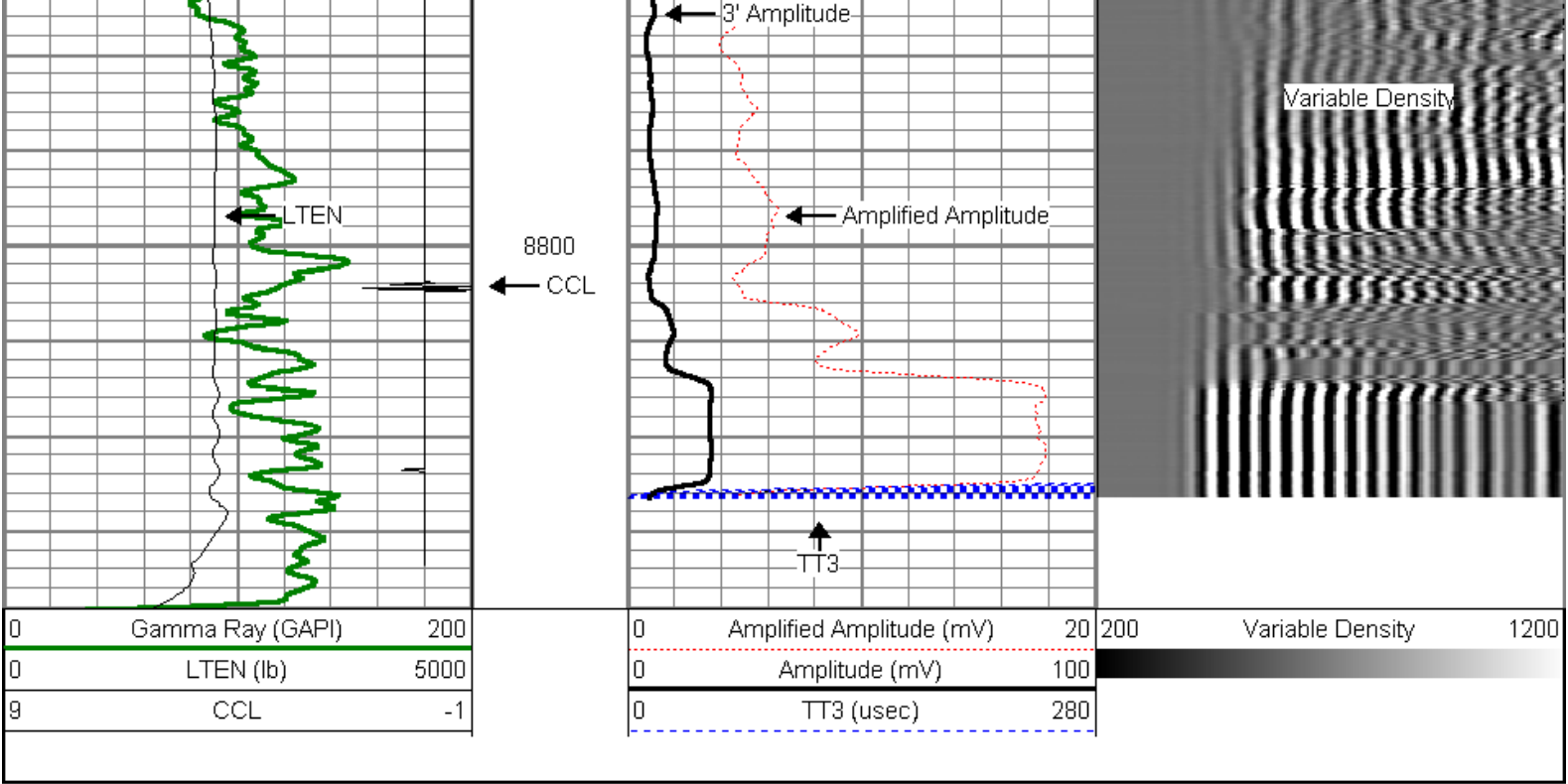
8600

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Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WVF3	13.69		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_28.7702) Probe 2.75" Dual Receiver Bond	2.75	2.75	60.00
			Centralizer-Probe (CENT-PROBE-2)	2.88	2.75	10.00
WVF5	12.69					

			Probe Bowspring Centralizer			
CCL	5.33		CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_2.02) 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

Dataset: cosslet 4-0-22.db: field/well/run1/pass7
 Total Length: 22.10 ft
 Total Weight: 111.50 lb
 O.D.: 2.75 in



Company ENCANA OIL & GAS (USA) INC.
 Well COSSLET 4-0-22
 Field WATTENBERG
 County WELD
 State COLORADO