



# CEMENT BOND LOG

Mesa Wireline

Company ENCANA OIL & GAS (USA) INC.  
Well COSSLETT 32-22  
Field WATTENBERG  
County WELD  
State COLORADO

Company ENCANA OIL & GAS (USA) INC.

Well COSSLETT 32-22

Field WATTENBERG

County WELD State COLORADO

Location:

API #: 05123-32731-0000

Other Services

SHL: 1496' FNL & 1253' FEL  
BHL: 1830' FNL & 2130' FEL

SEC: 22 TWP: 1N RGE: 68W

Permanent Datum GROUND LEVEL Elevation 5185'

Log Measured From KELLY BUSHING = 13'

Drilling Measured From KELLY BUSHING

Elevation  
K.B. 5198'  
D.F. 5197'  
G.L. 5185'

Date 17 DECEMBER 2011

Run Number ONE

Depth Driller 8578'

Depth Logger 8508'

Bottom Logged Interval 8508'

Top Log Interval 3200'

Open Hole Size 7.875"

Type Fluid WATER

Density / Viscosity ~8.3#

Max. Recorded Temp. 262 DEG F

Estimated Cement Top 3572'

Time Well Ready N/A

Time Logger on Bottom N/A

Equipment Number 10901 PRD01

Location AULT, CO

Recorded By K. MAY

Witnessed By T. MAJORS

Bit From To

ONE 12.25" 0'

TWO 7.875" 1012'

Size From To

ONE 8.625" 24#

Prot. String 4.5"

Production String 11.6#

Liner 0'

Weight

Size

Weight

From

To

Weight

Size

Weight

Bottom

1003'

8576'

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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 16 NOVEMBER 2011  
SHORT JOINT 7589' - 7611'

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



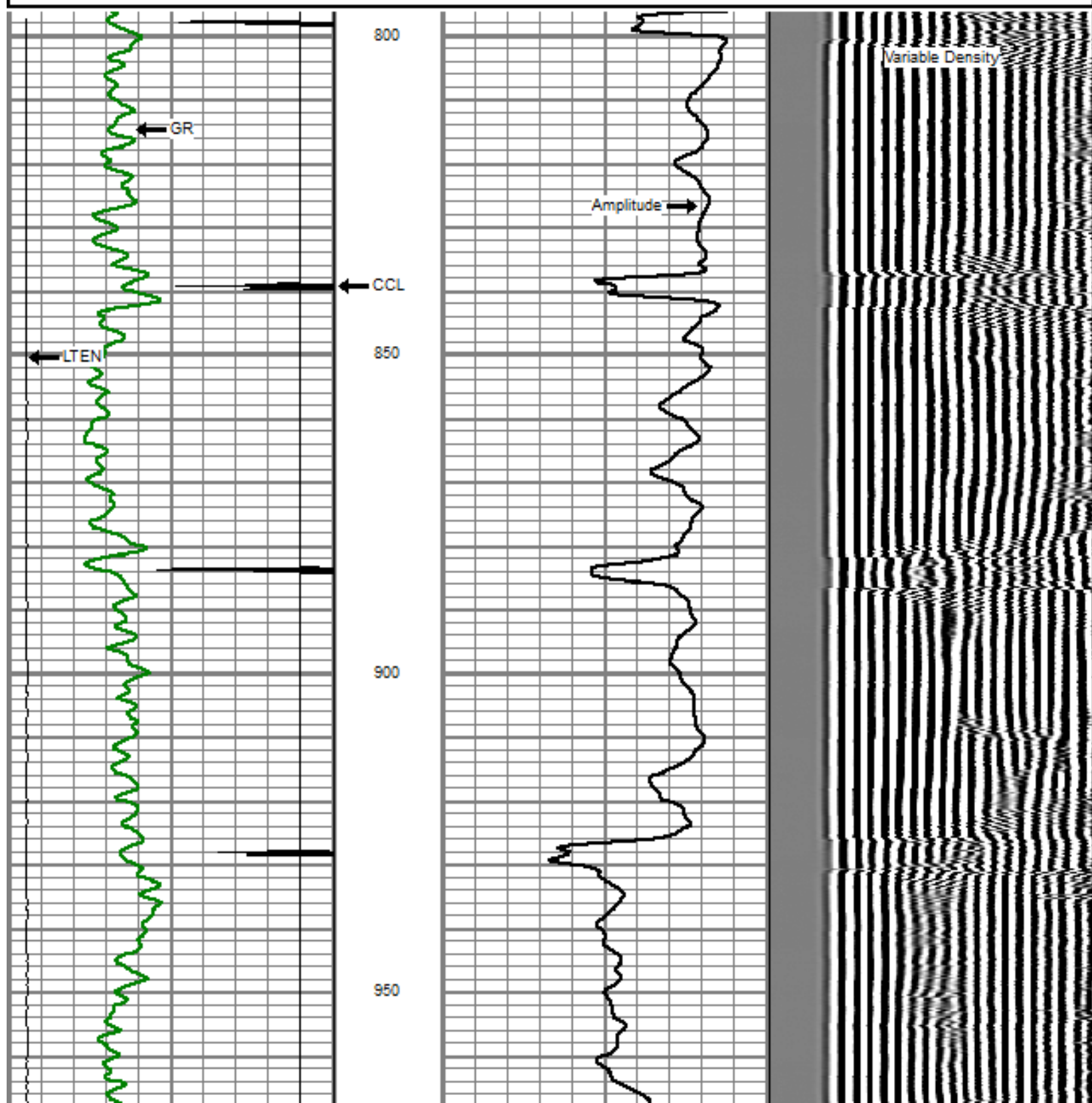
TOP PASS

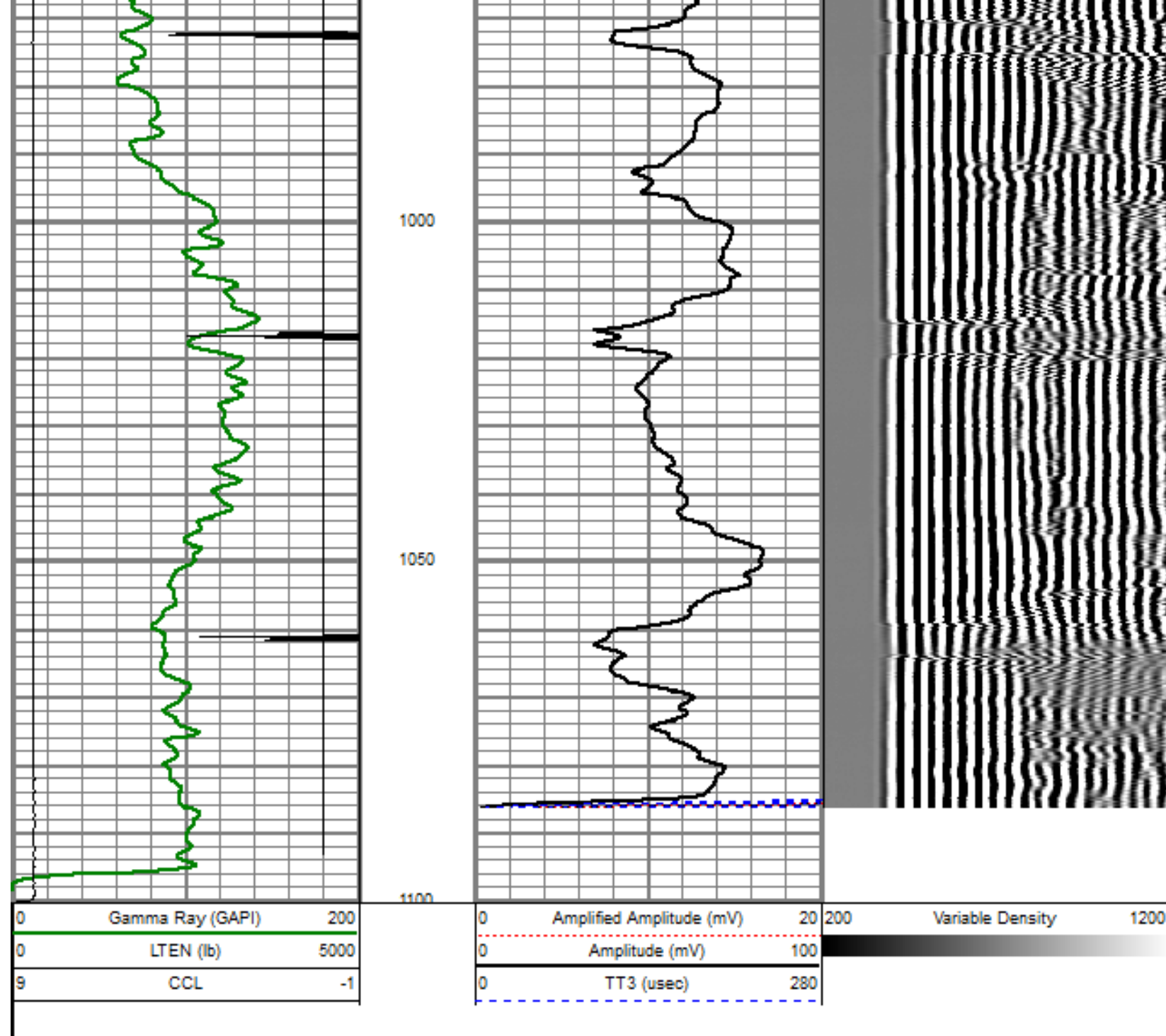
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Dataset Pathname: pass5.1  
Presentation Format: dobl\_prb  
Dataset Creation: Sat Dec 17 17:08:10 2011 by Calc SCH 110722  
Charted by: Depth in Feet scaled 1:240

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

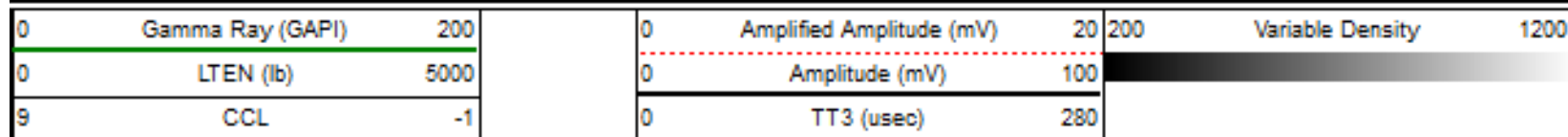


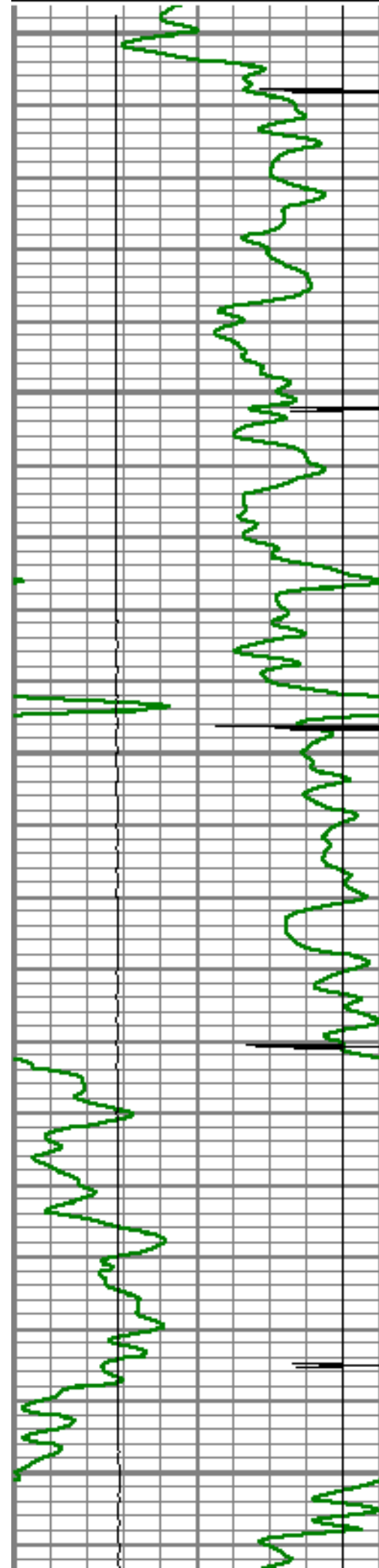


REPEAT PASS

5" = 100'

Database File: cosslett 32-22.db  
 Dataset Pathname: pass2  
 Presentation Format: dobl\_prb  
 Dataset Creation: Sat Dec 17 15:21:26 2011 by Log SCH 110722  
 Charted by: Depth in Feet scaled 1:240





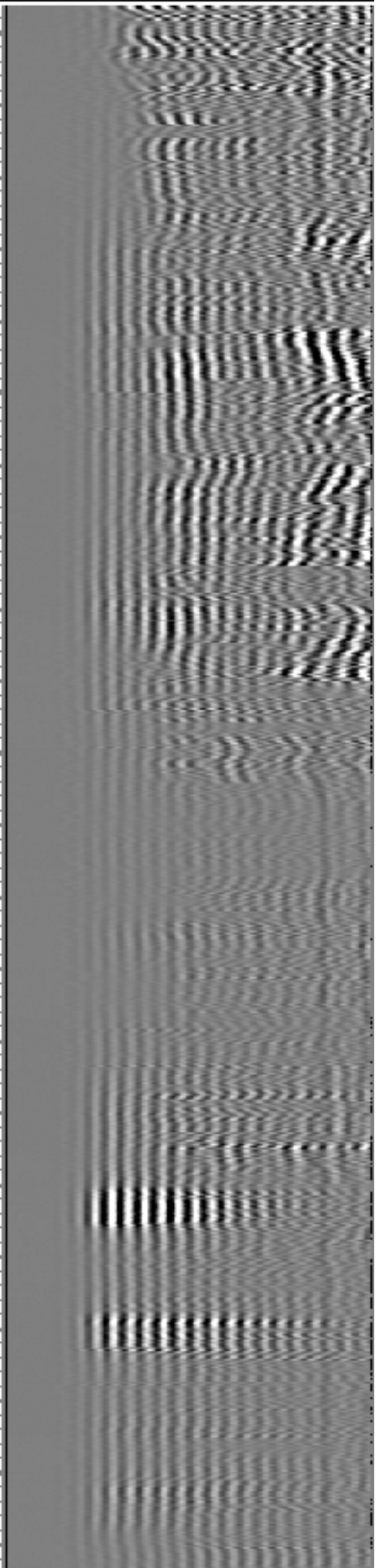
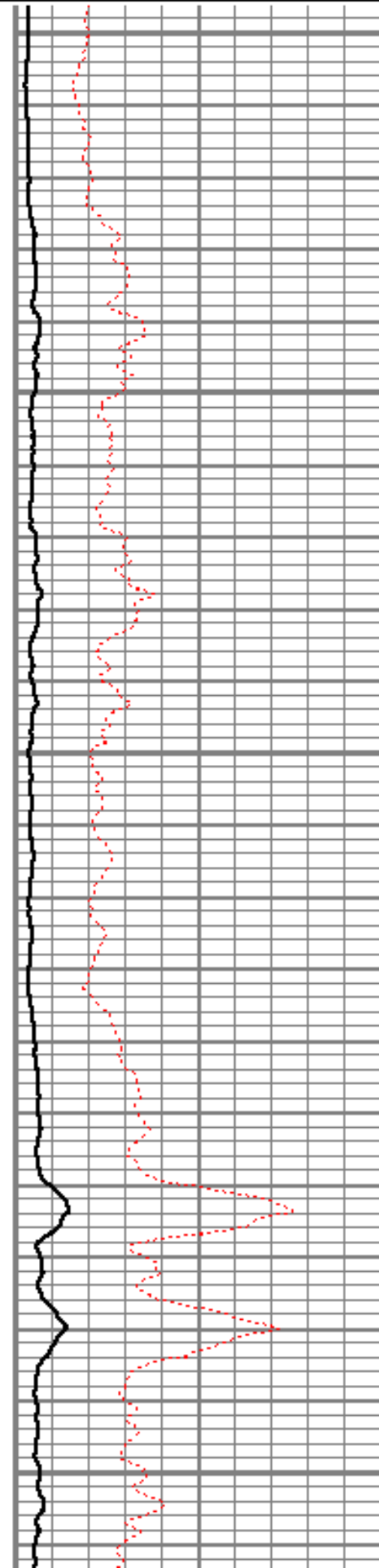
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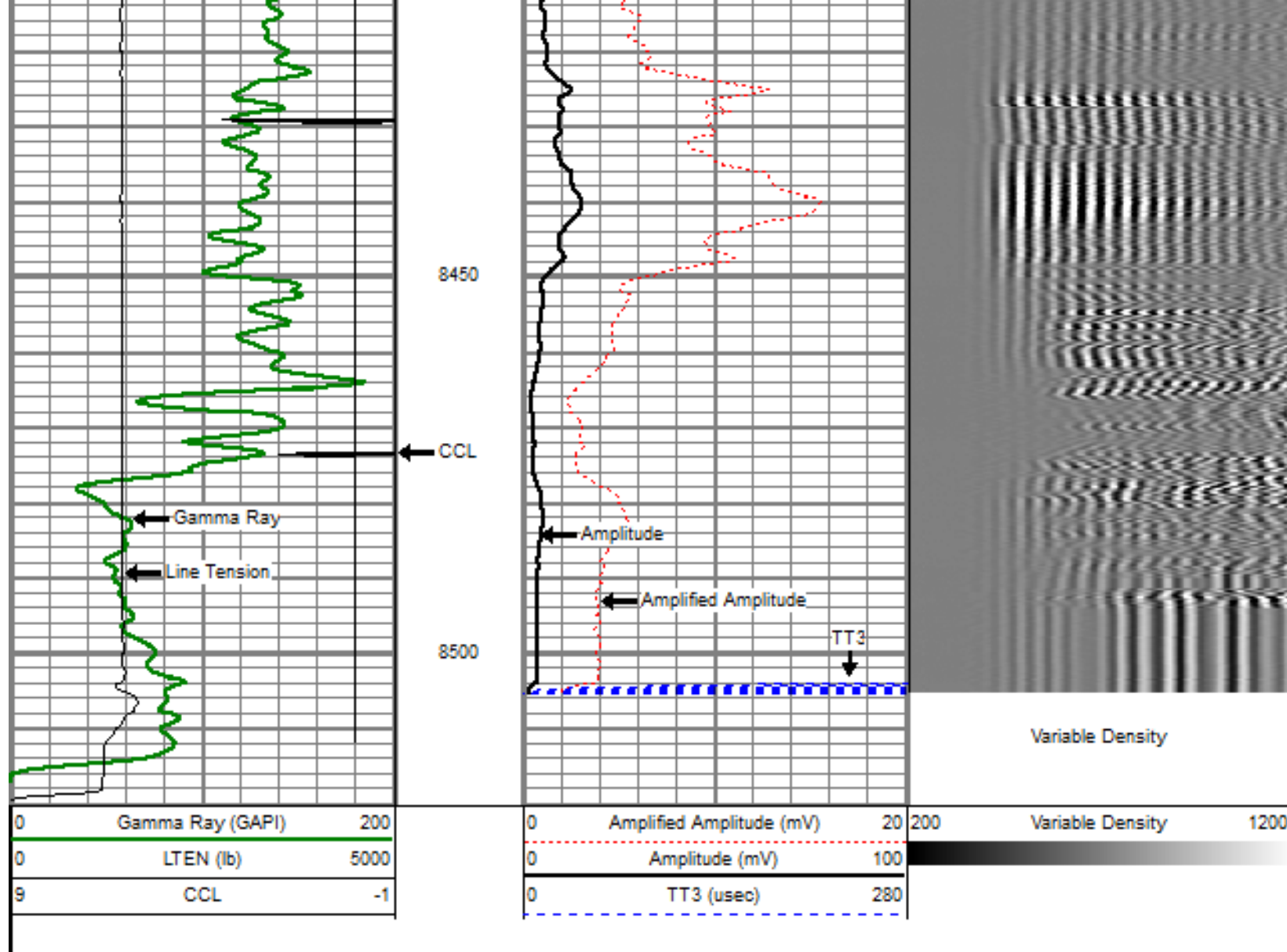
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8300

8350

8400

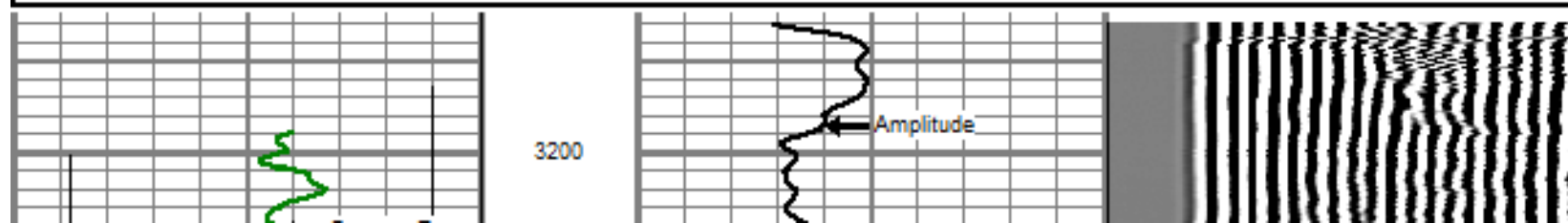
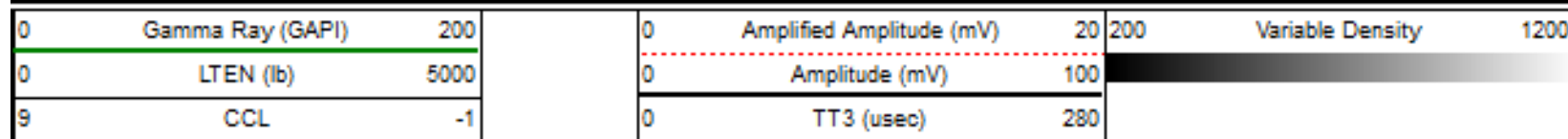


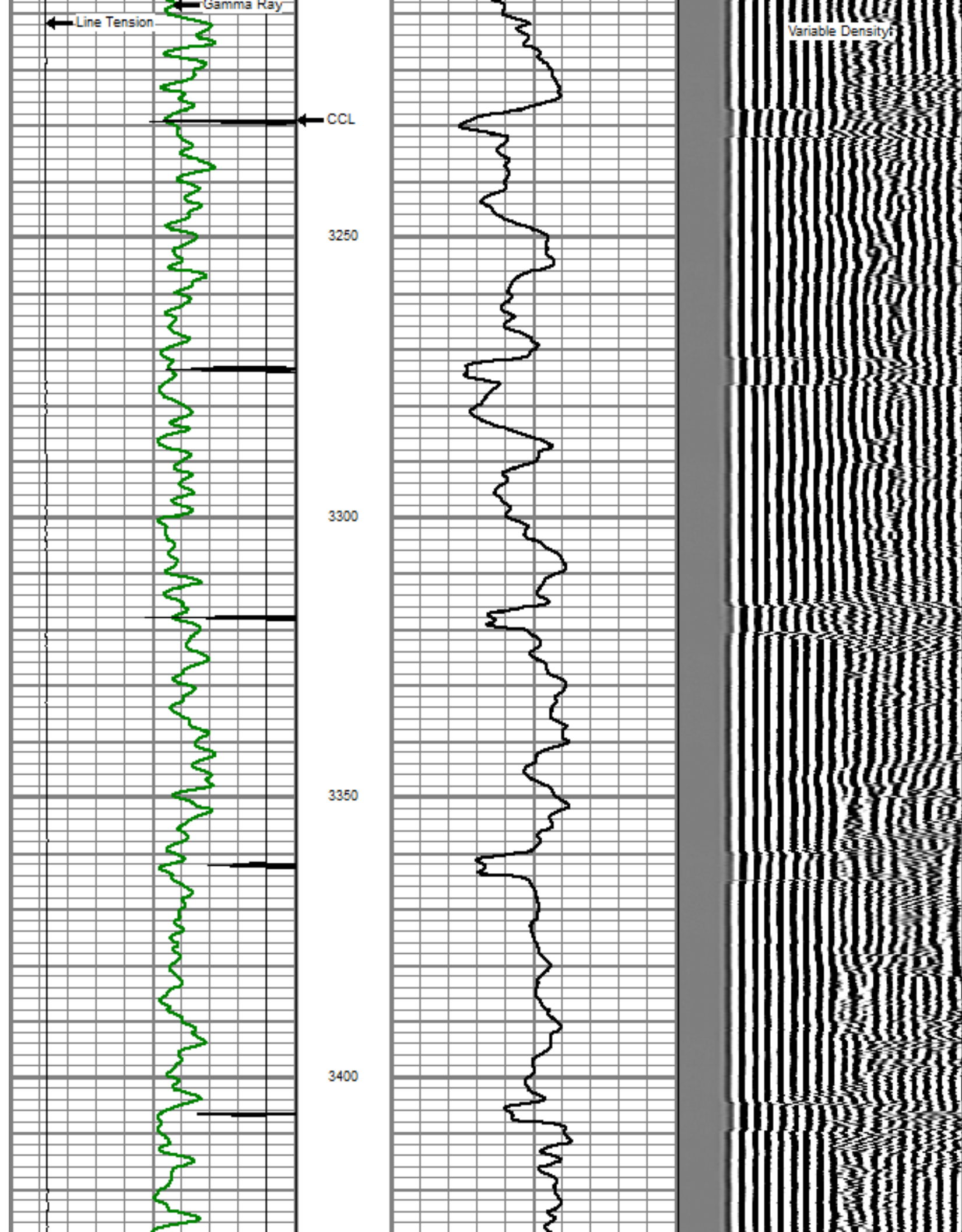


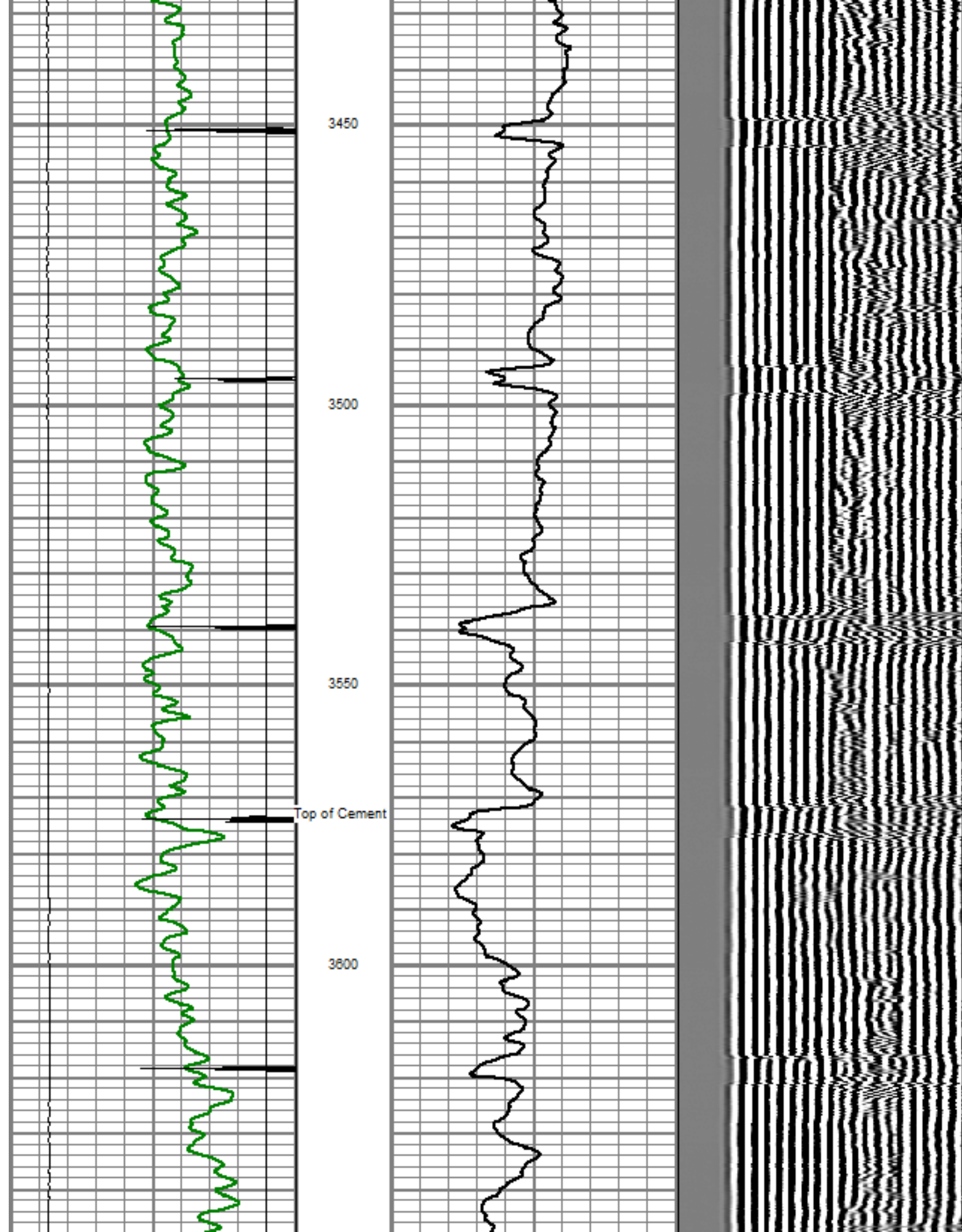
## MAIN PASS

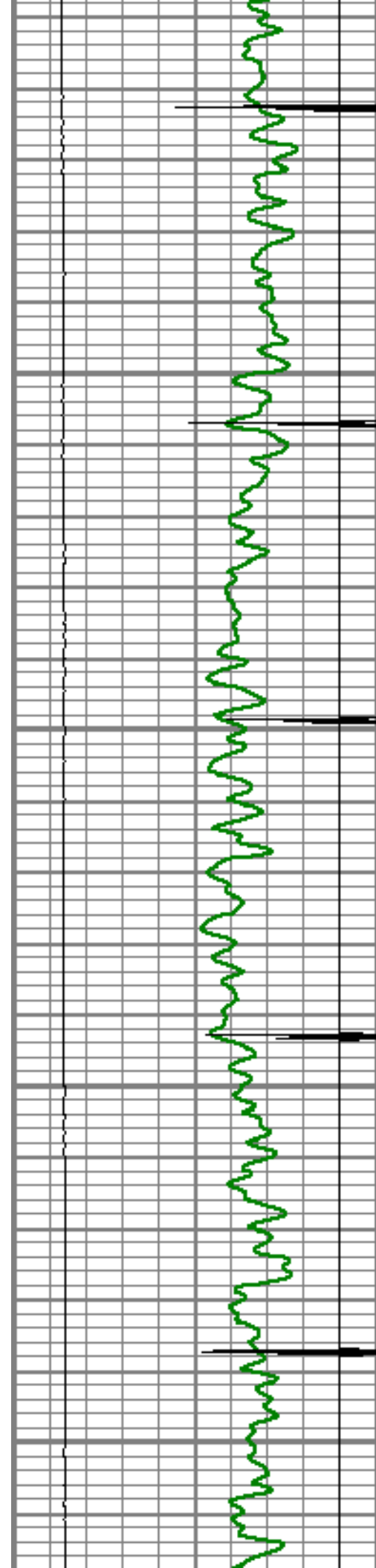
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 Dataset Pathname: pass40H5  
 Presentation Format: dobl\_prb  
 Dataset Creation: Sat Dec 17 18:28:39 2011  
 Charted by: Depth in Feet scaled 1:240









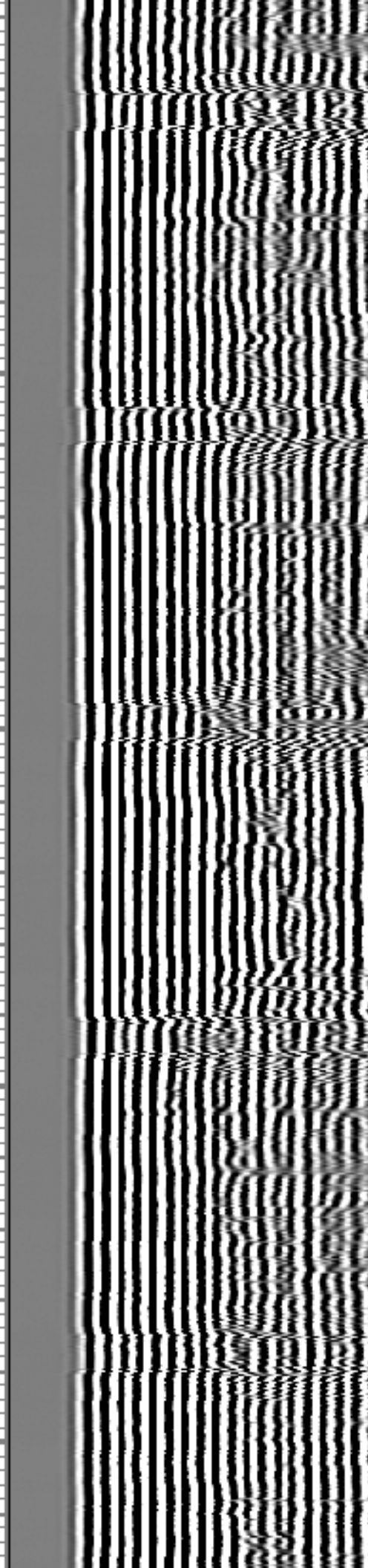
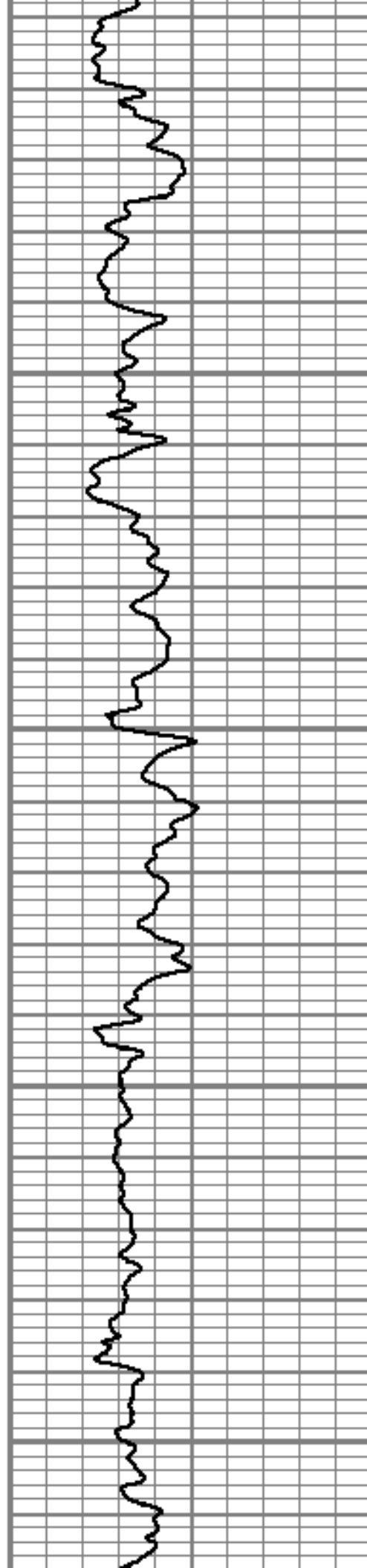
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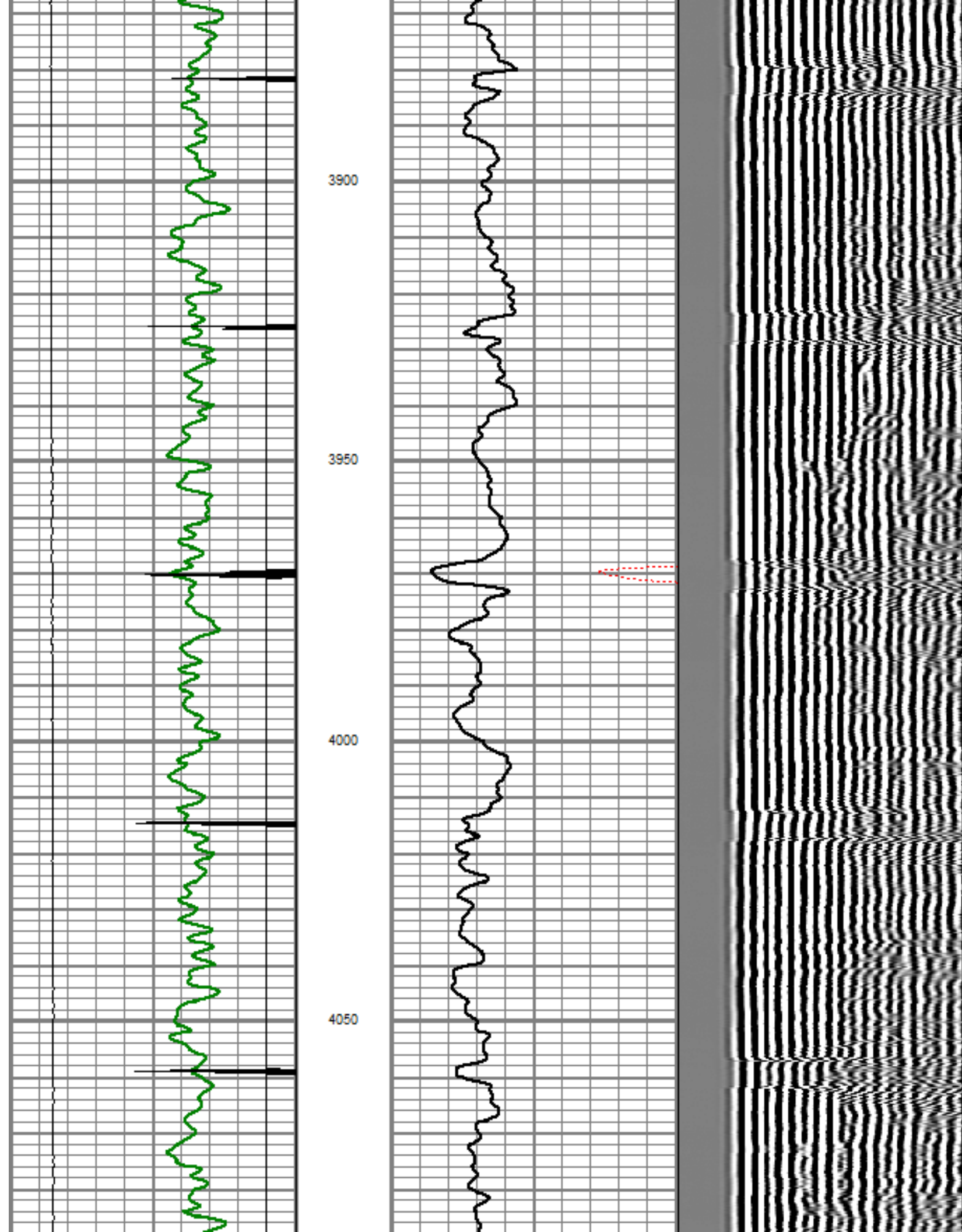
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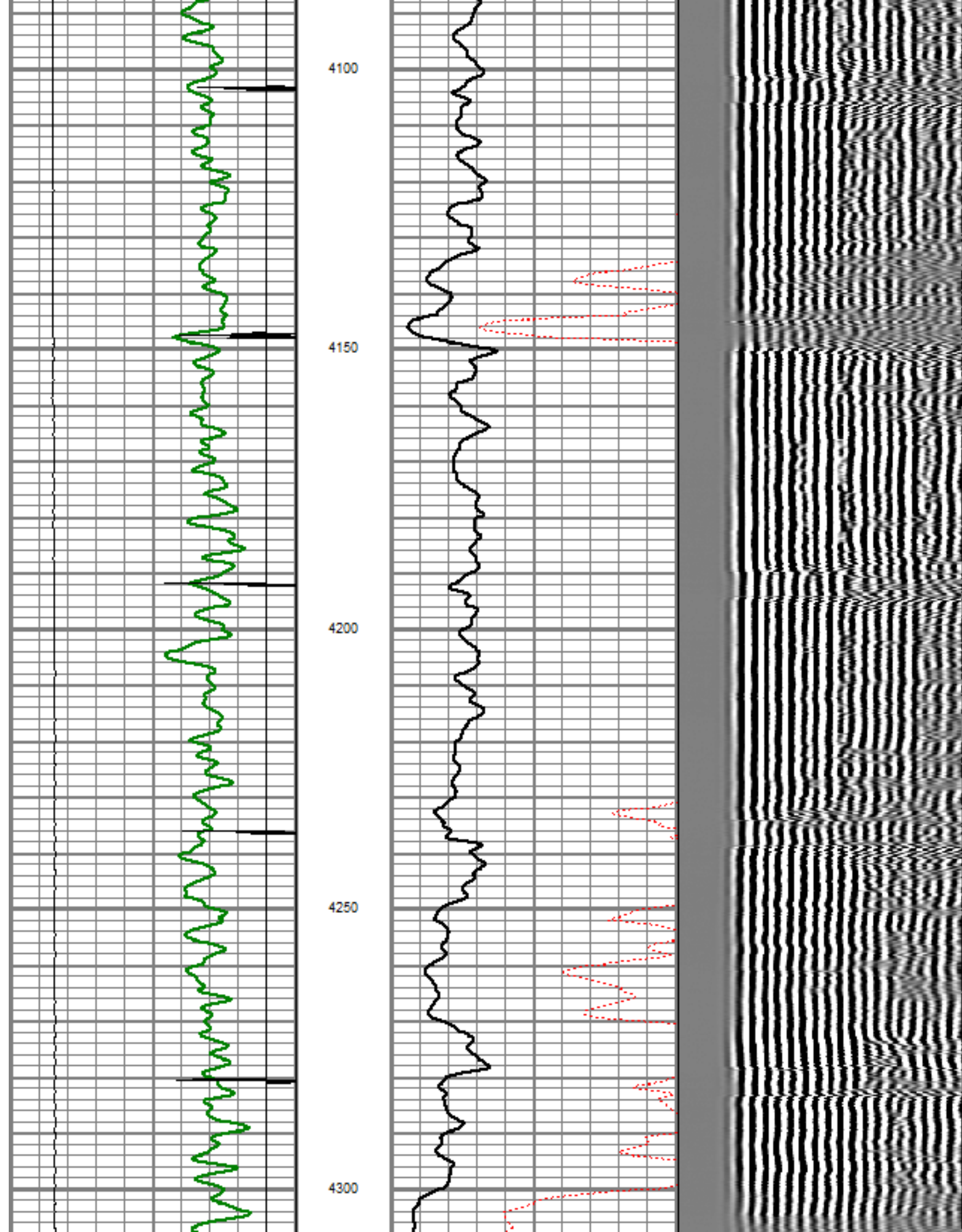
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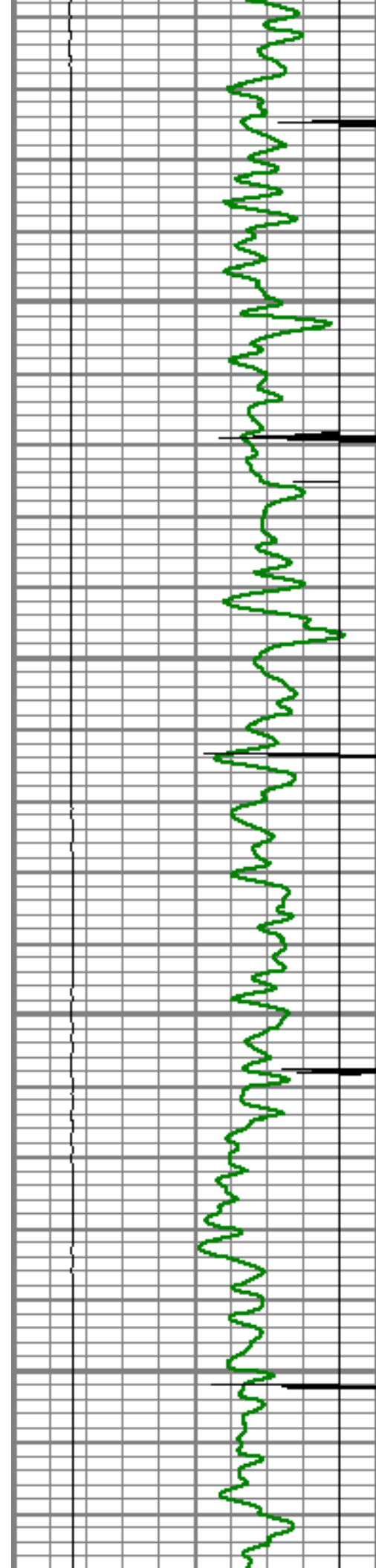
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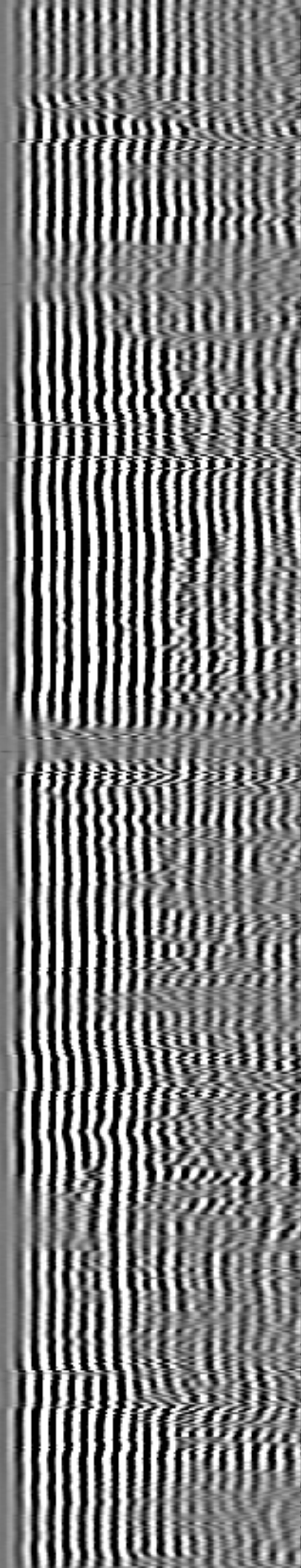
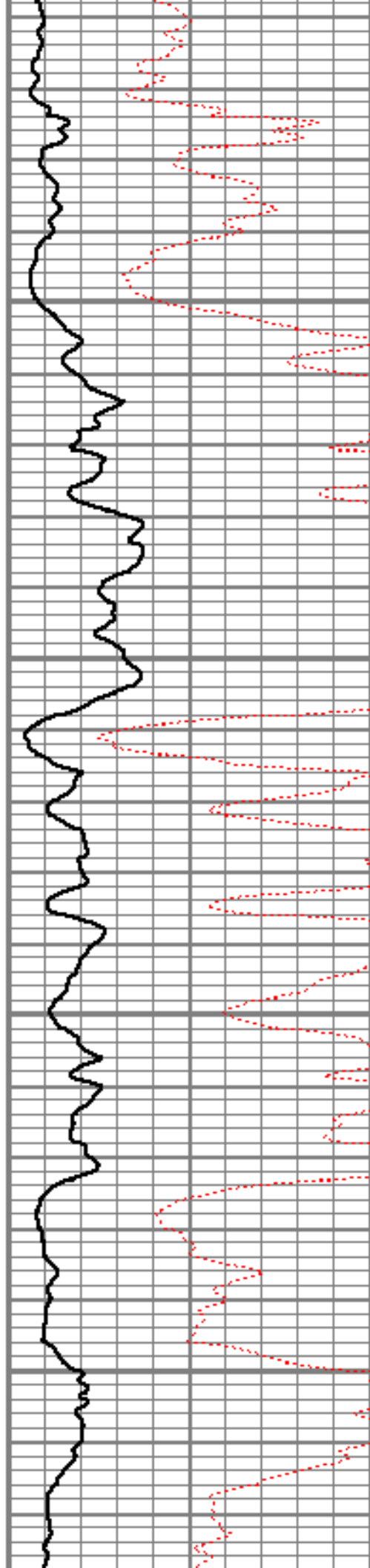


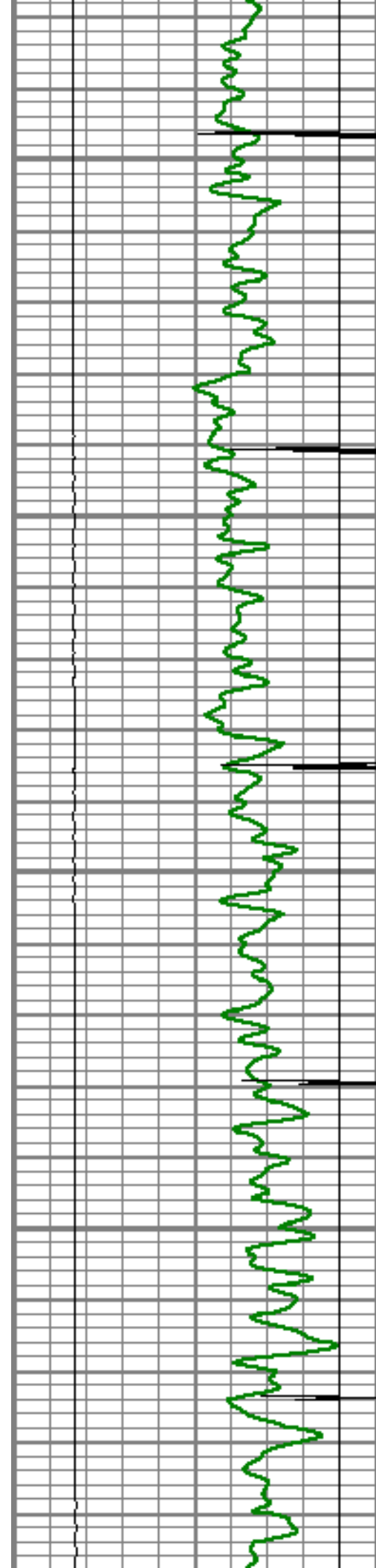
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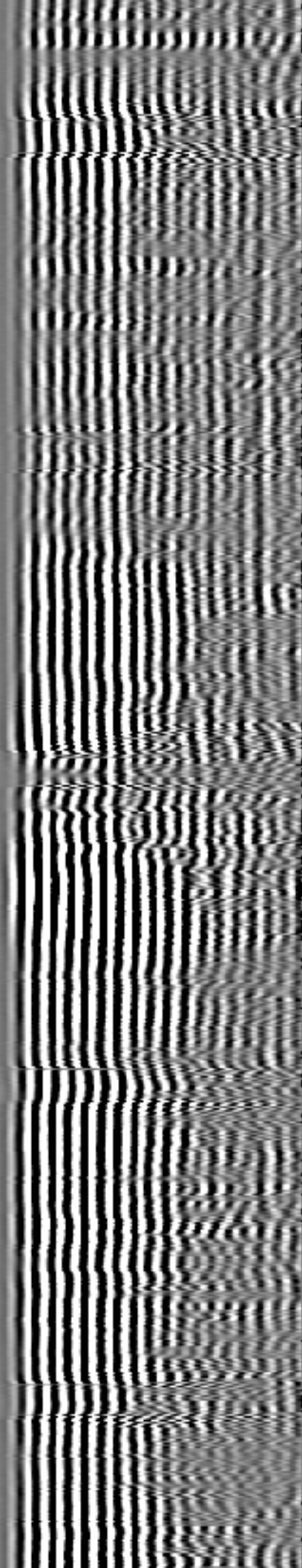
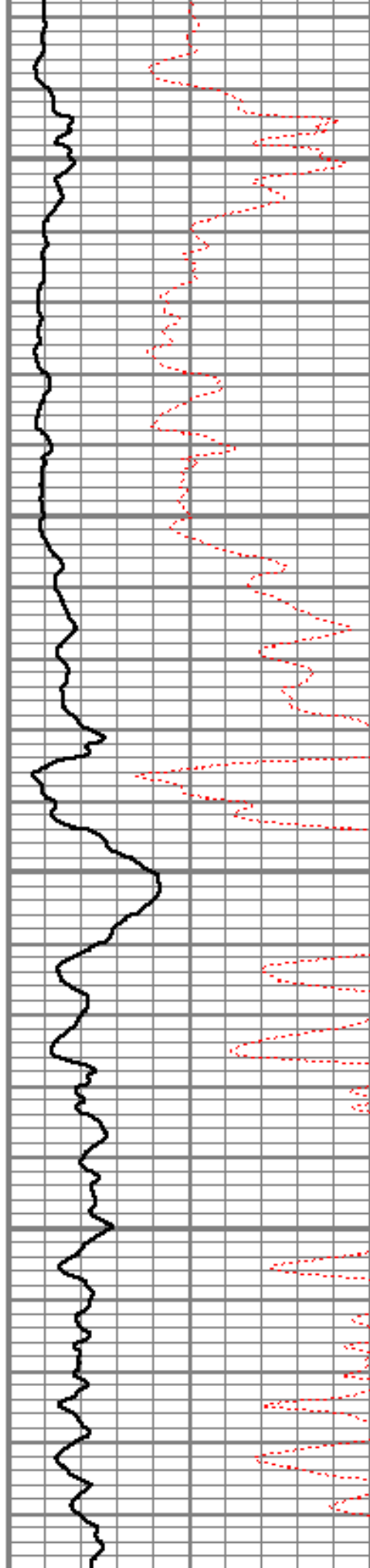


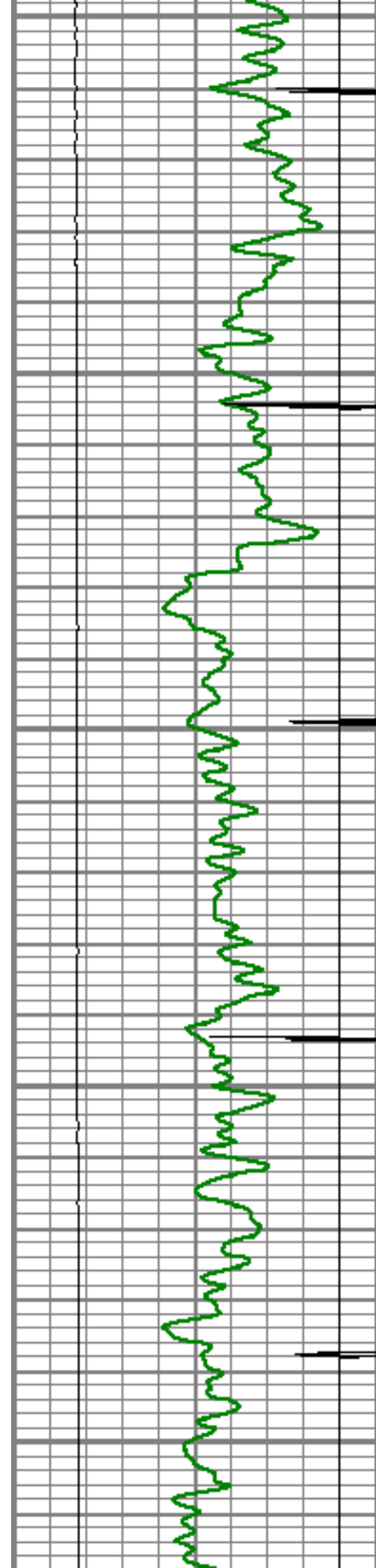
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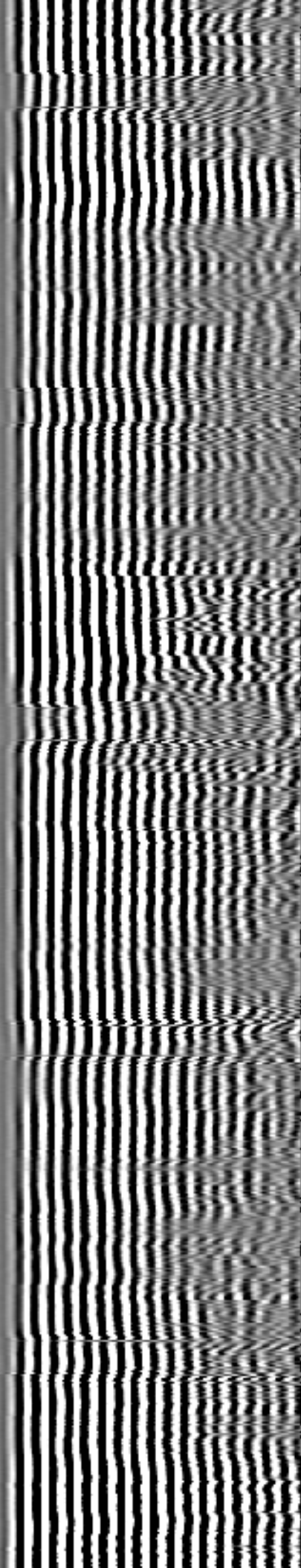
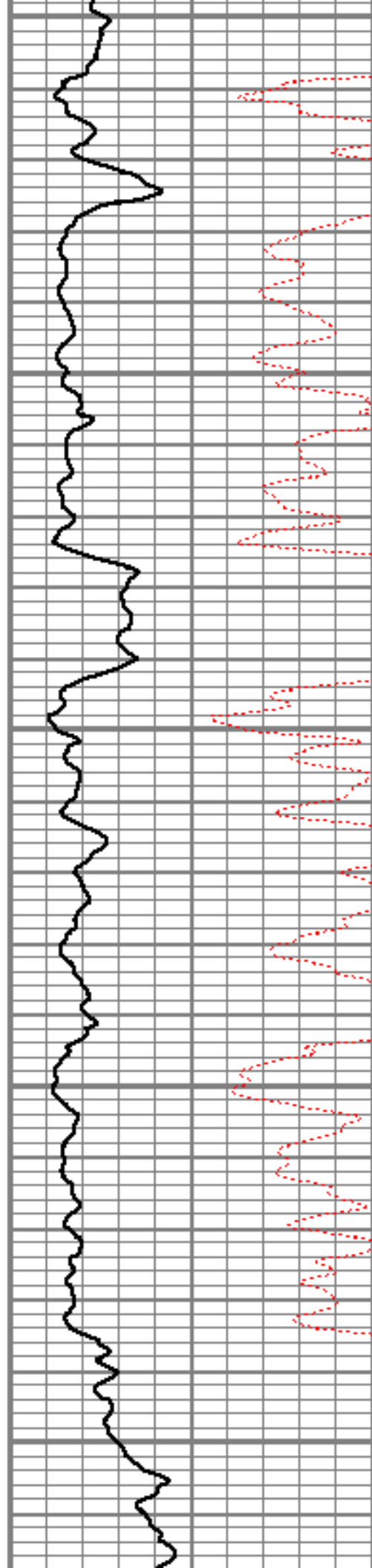
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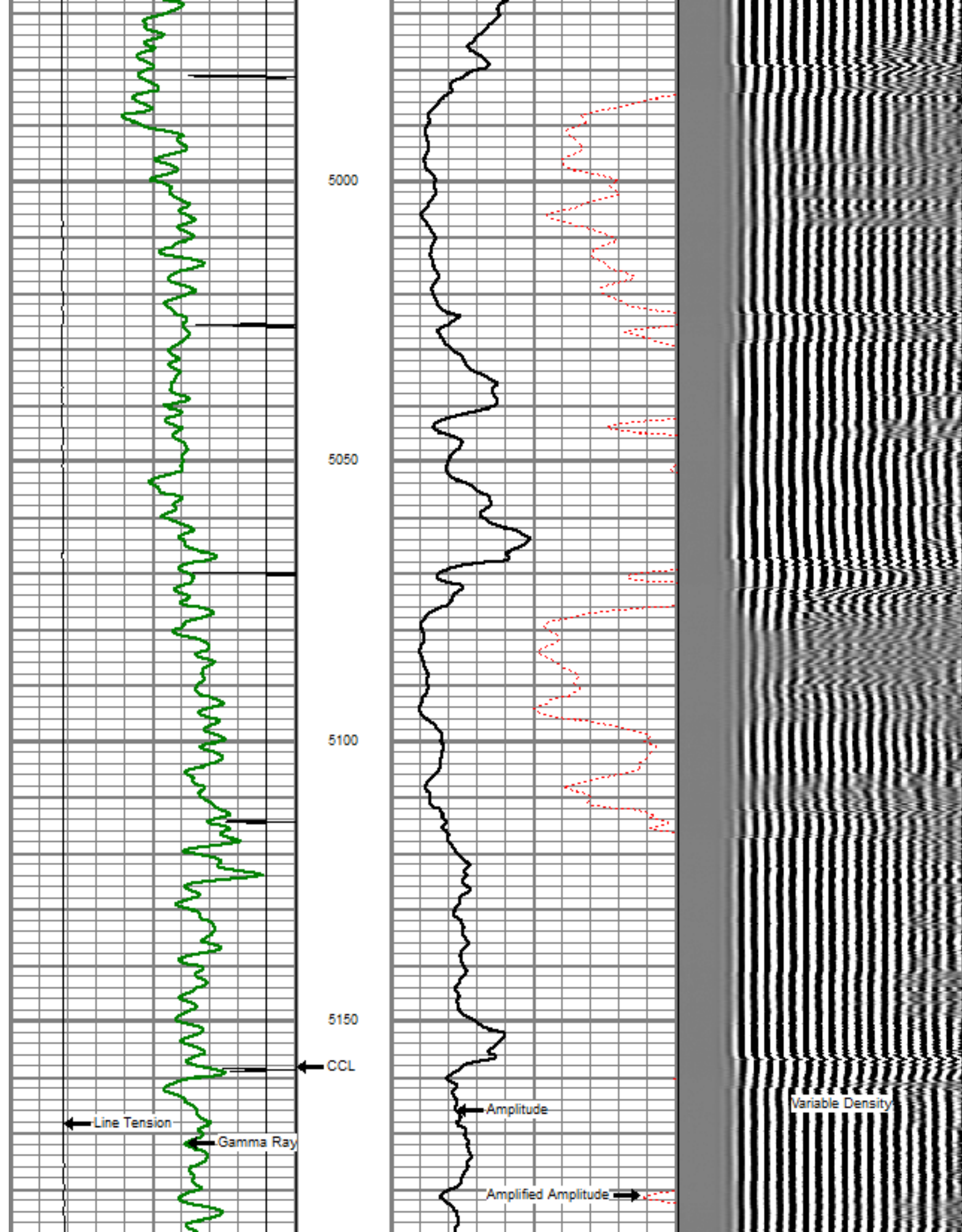
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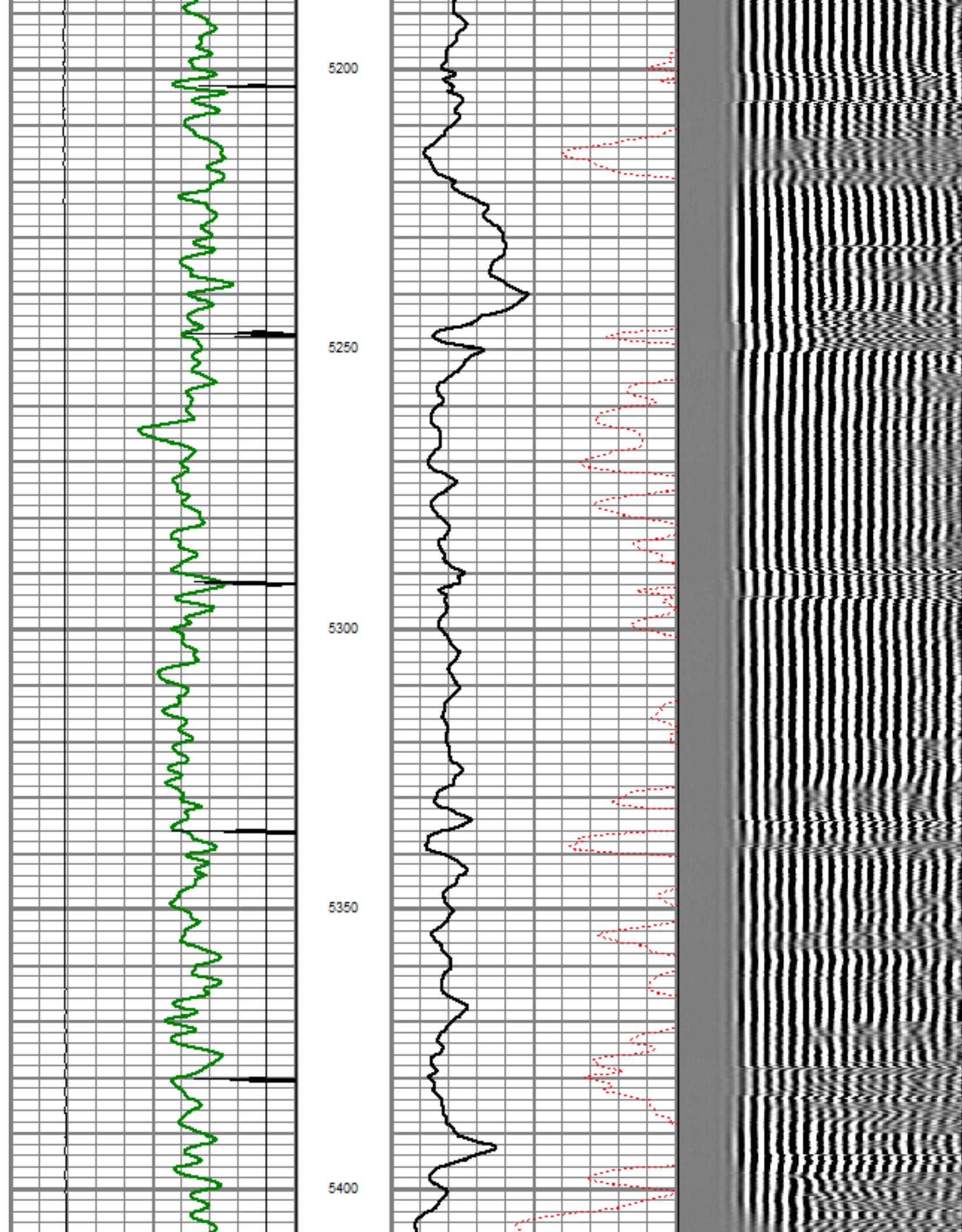
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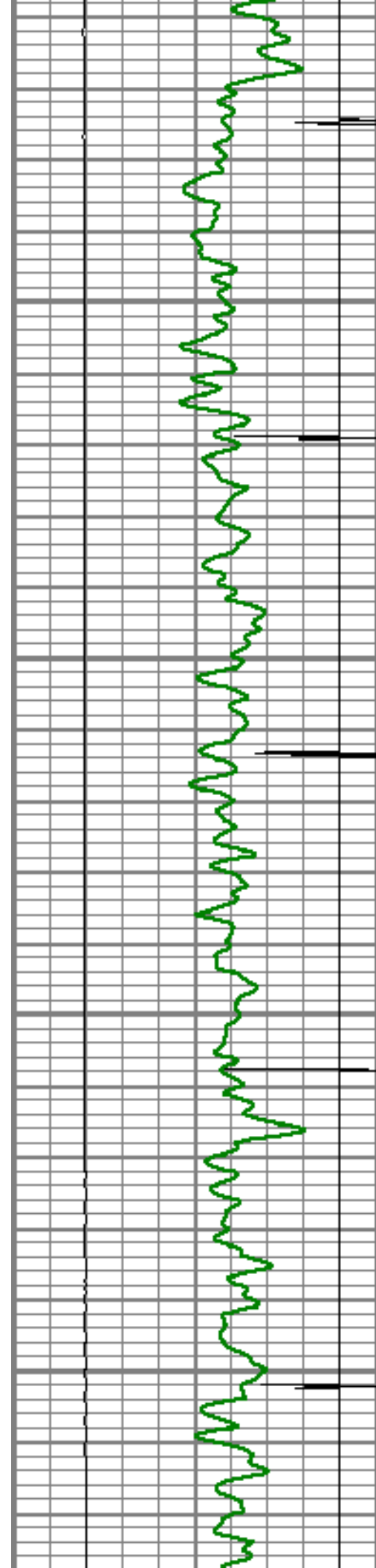
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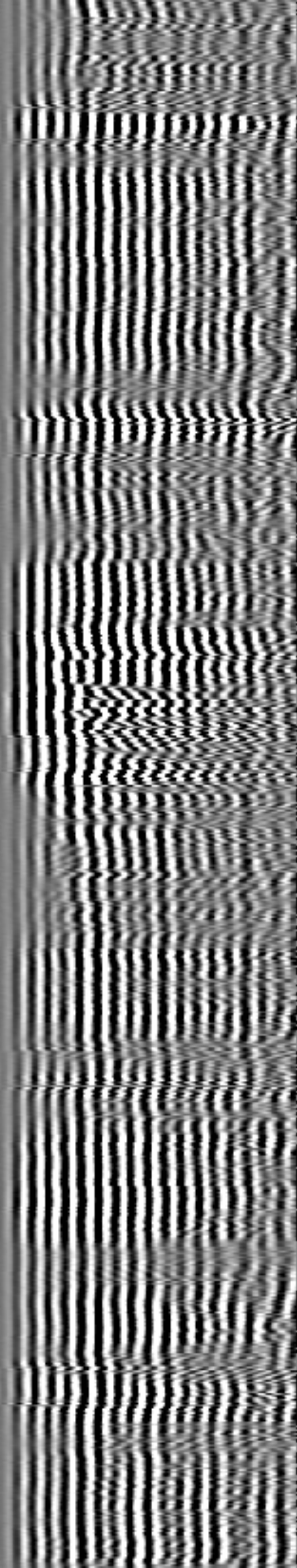
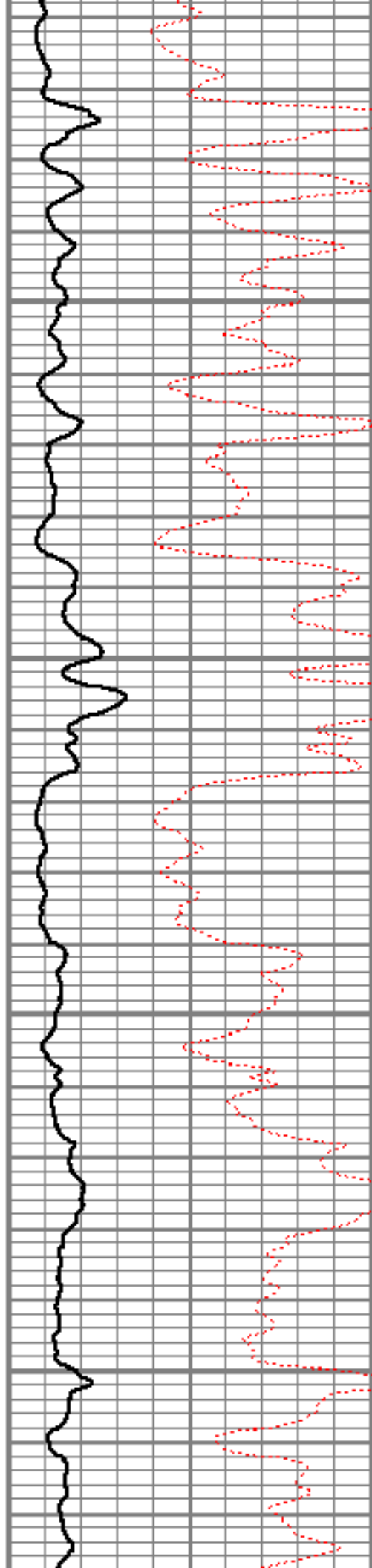


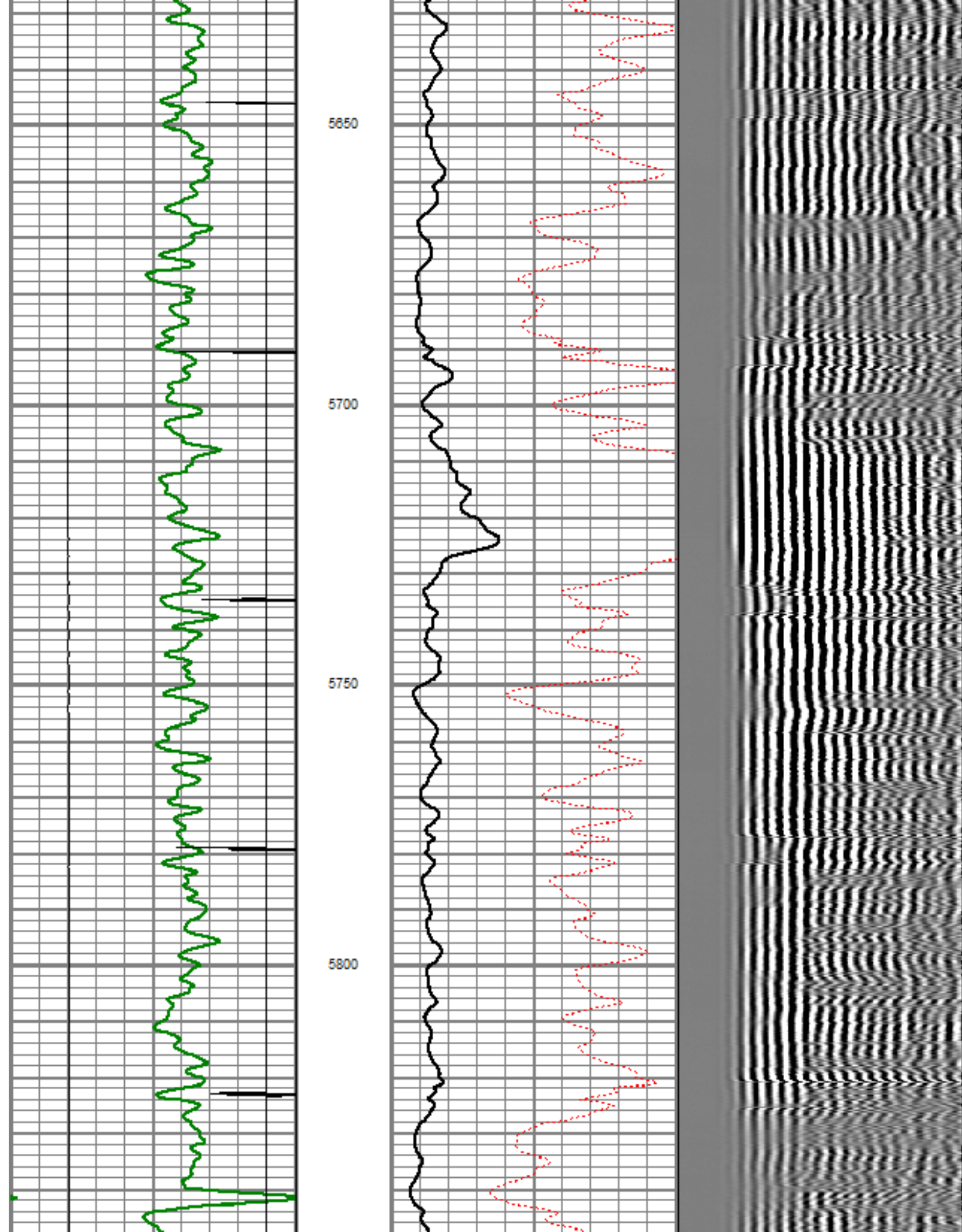
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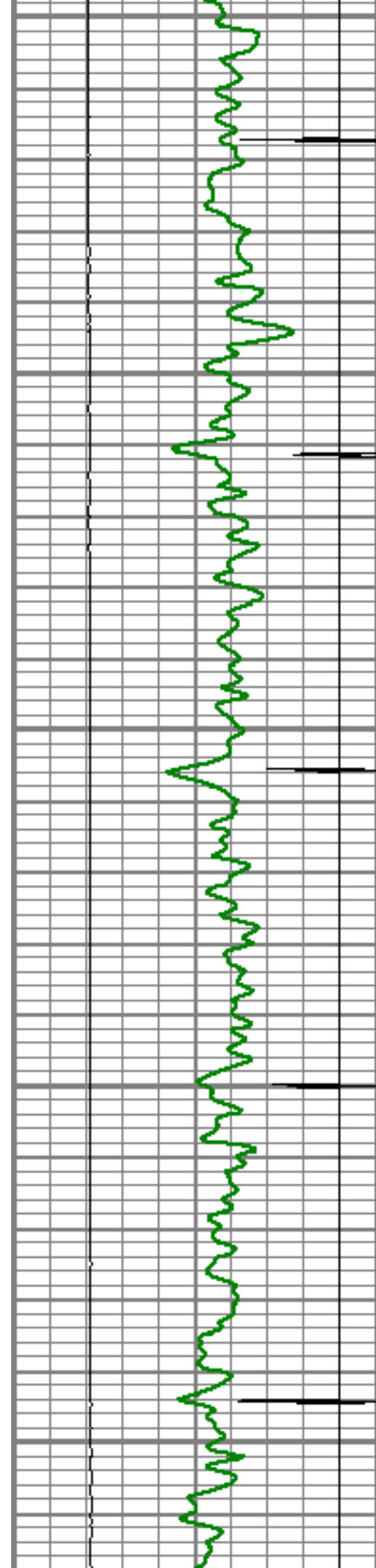
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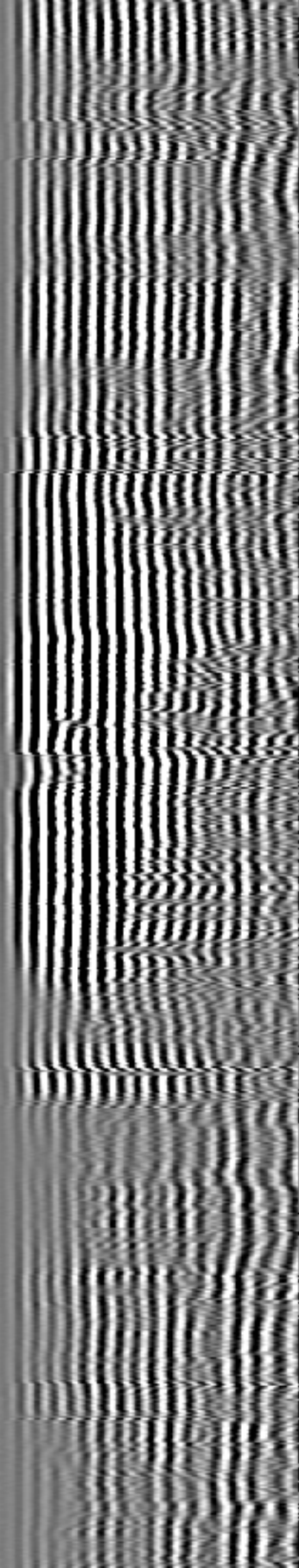
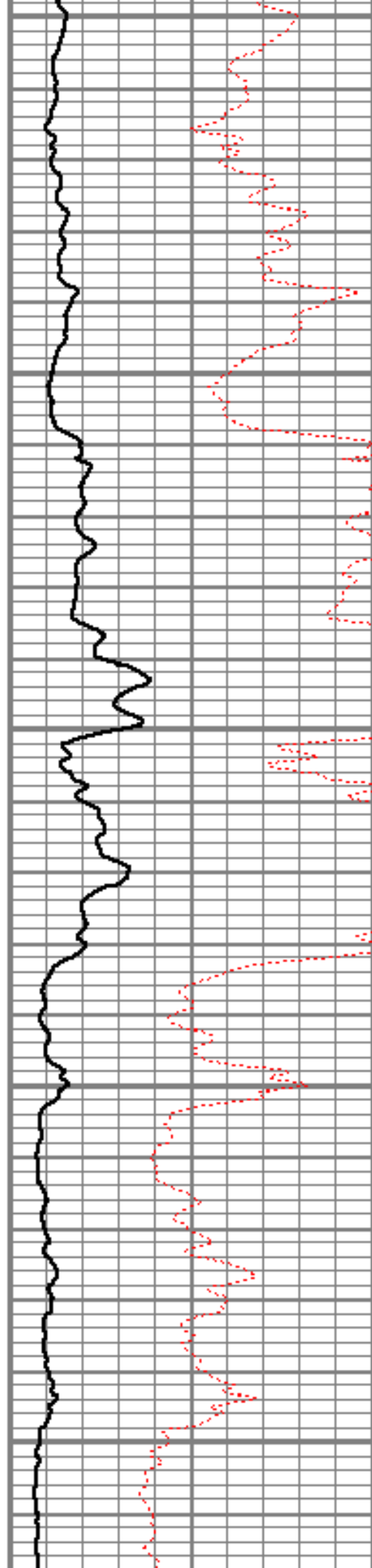
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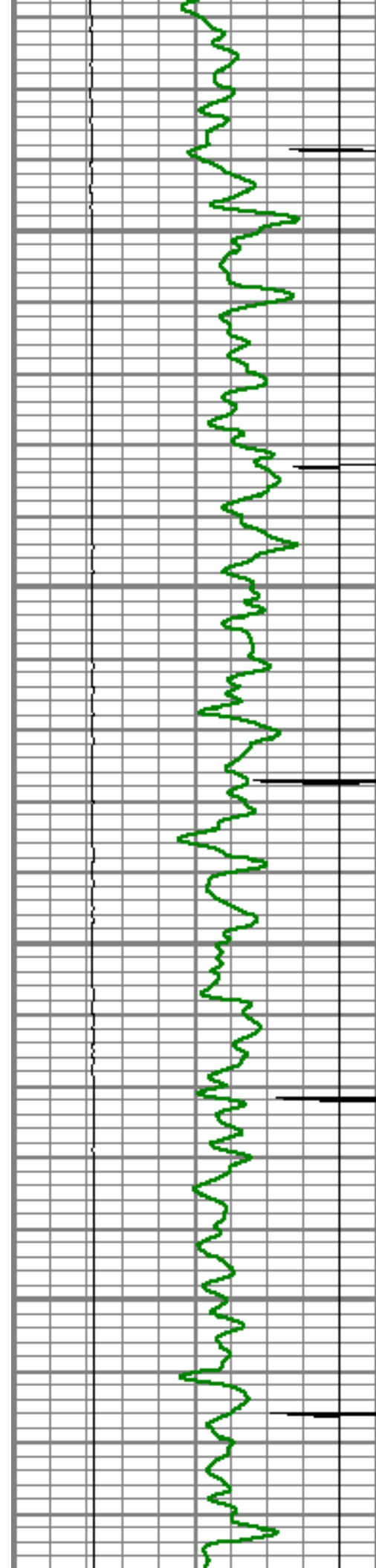
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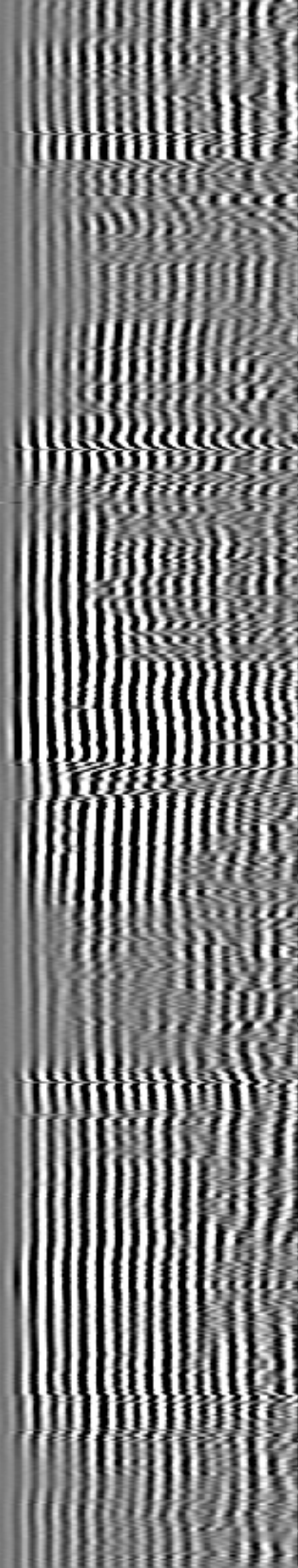
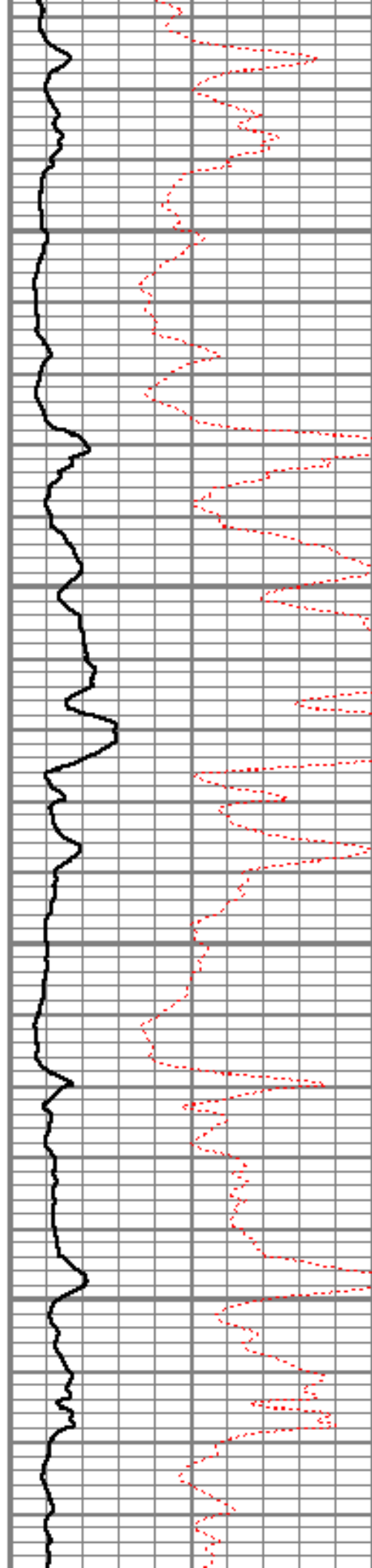


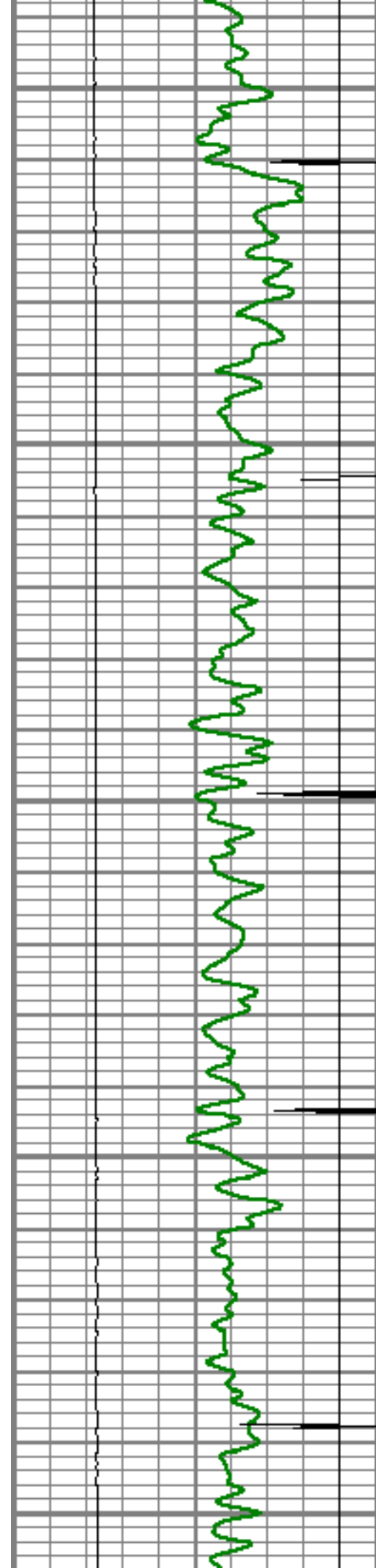
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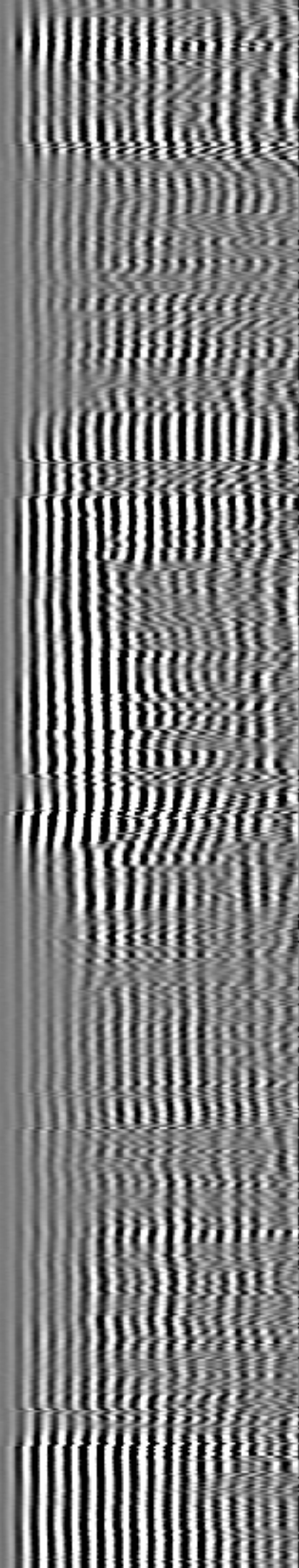
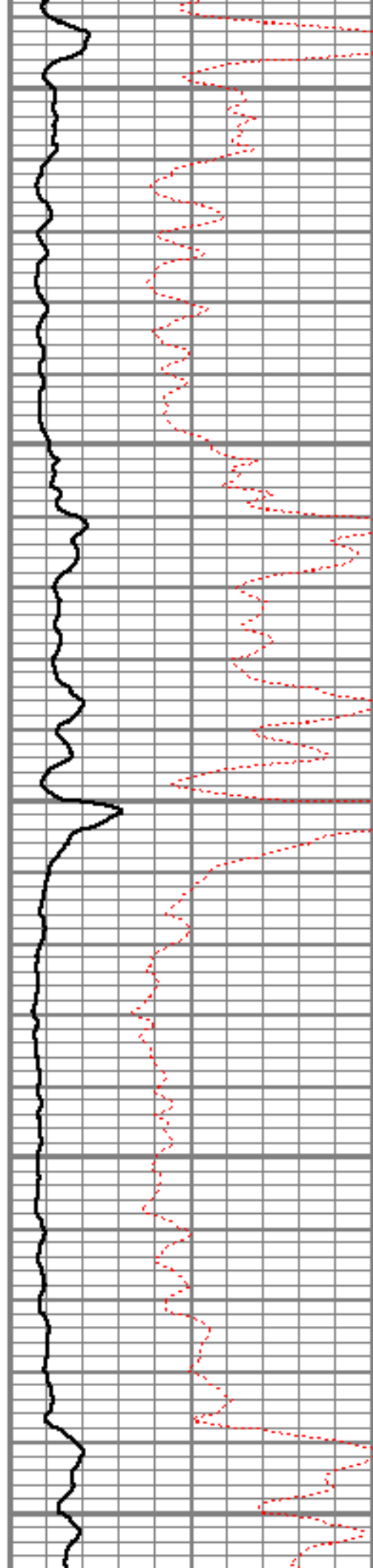
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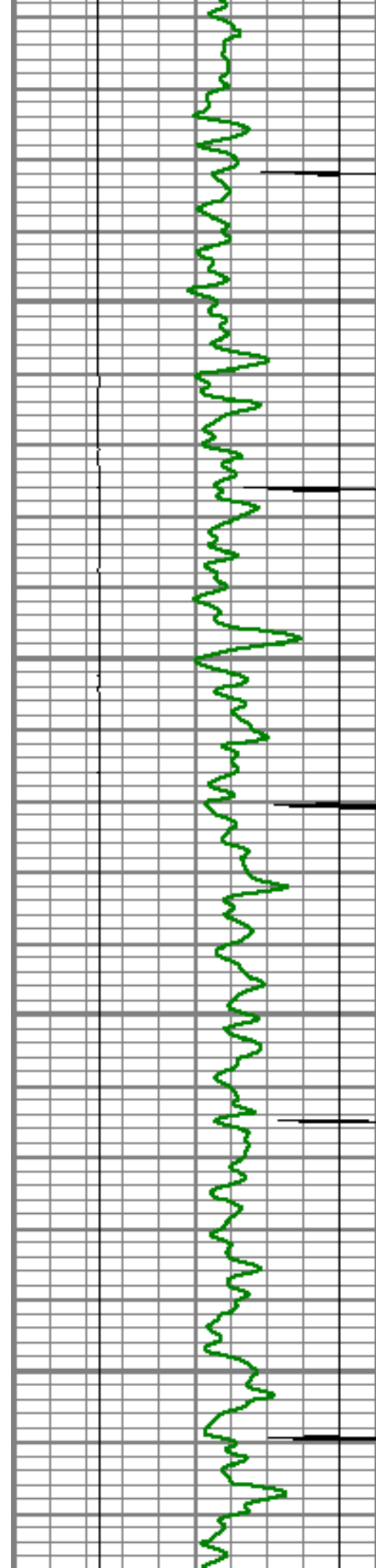
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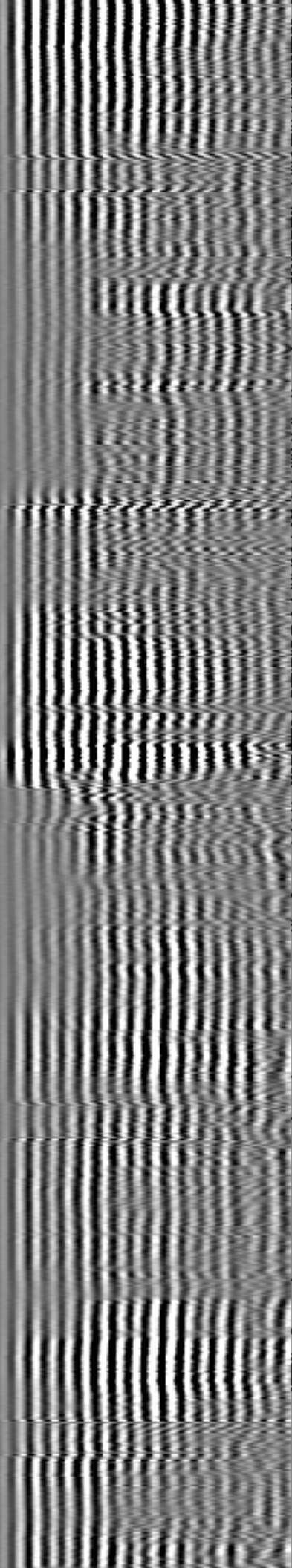
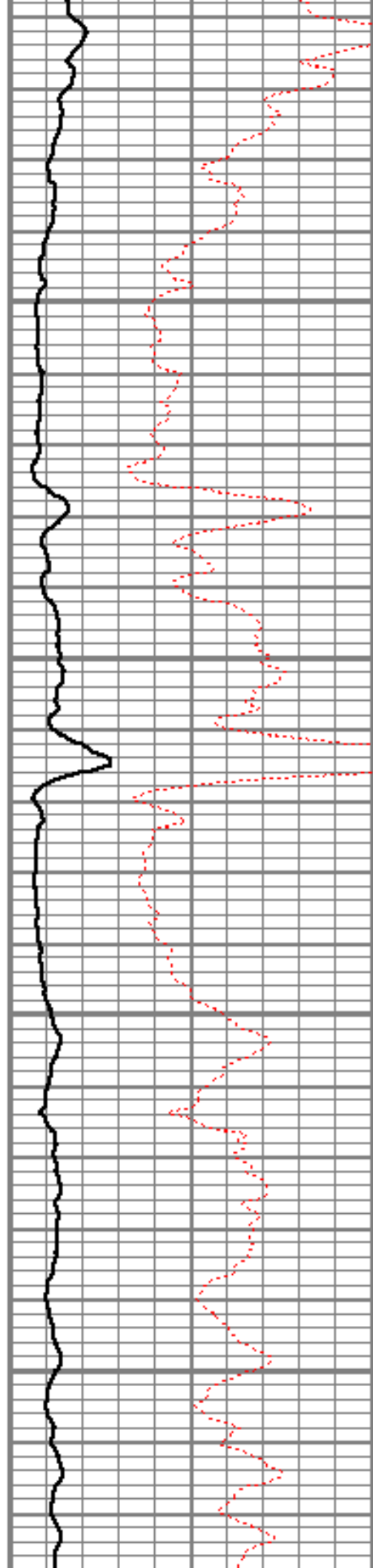


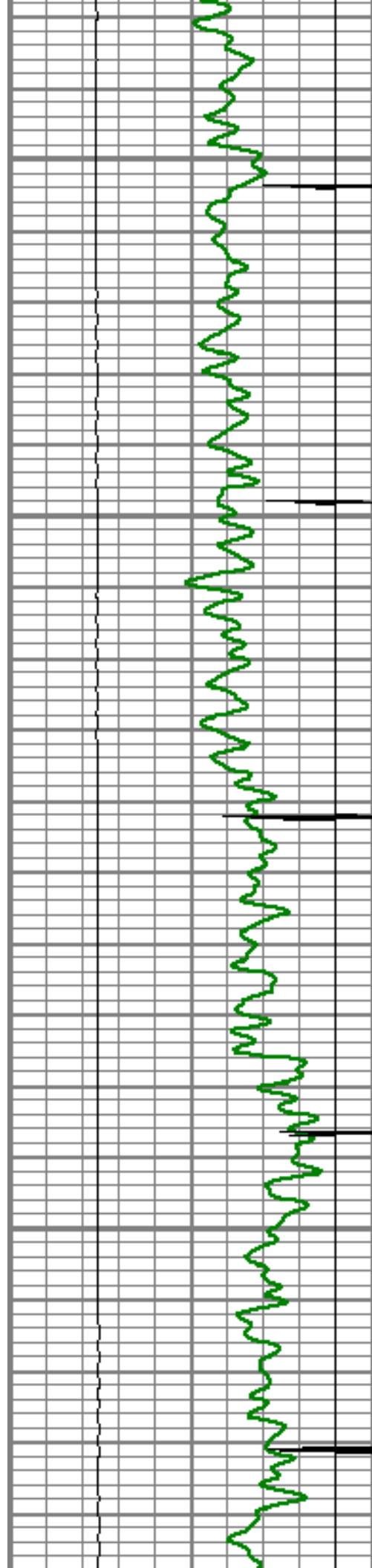
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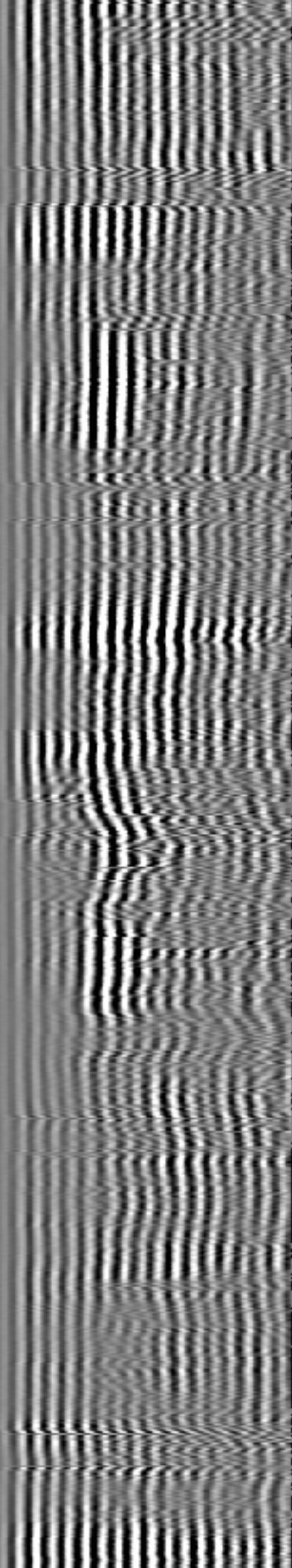
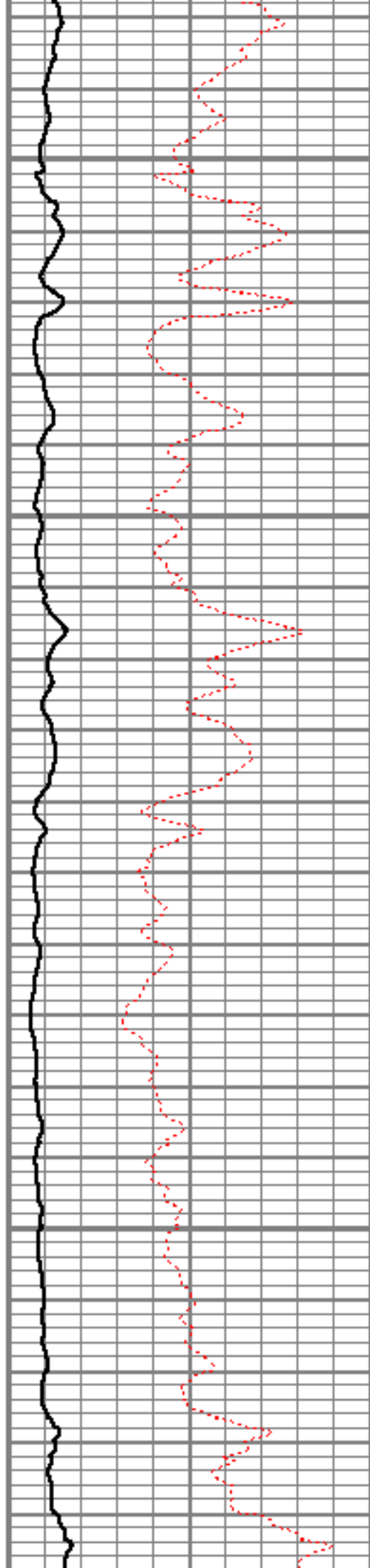


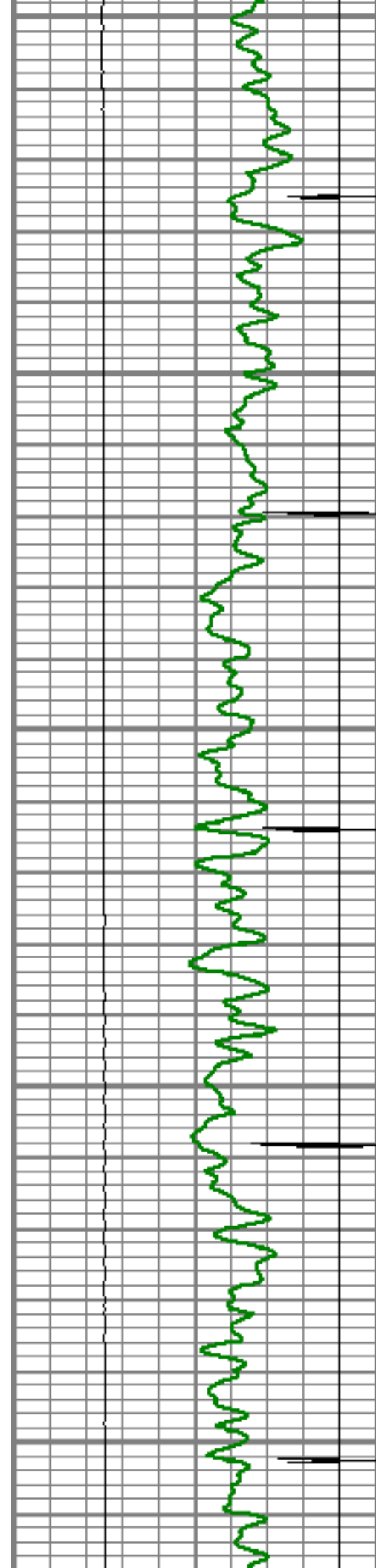
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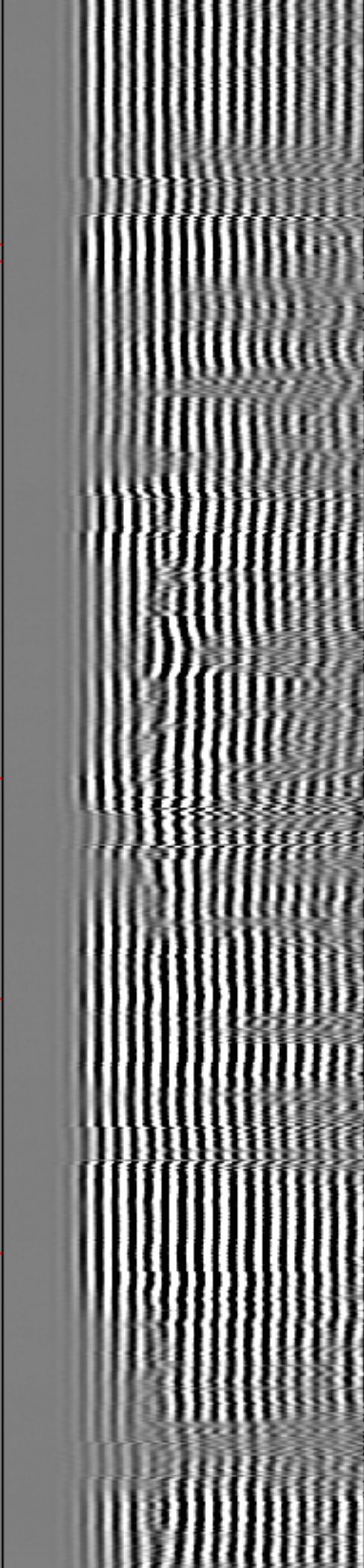
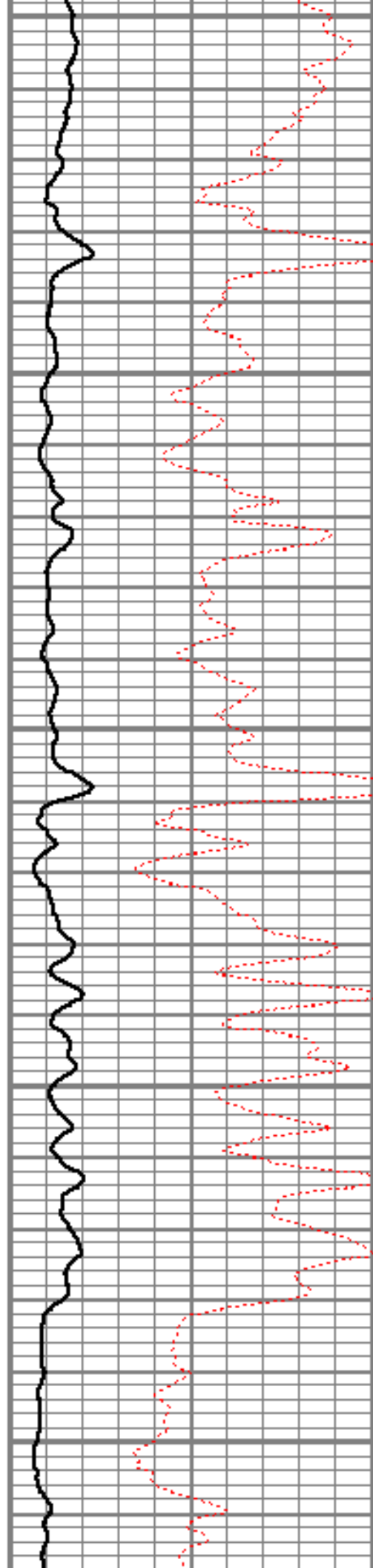
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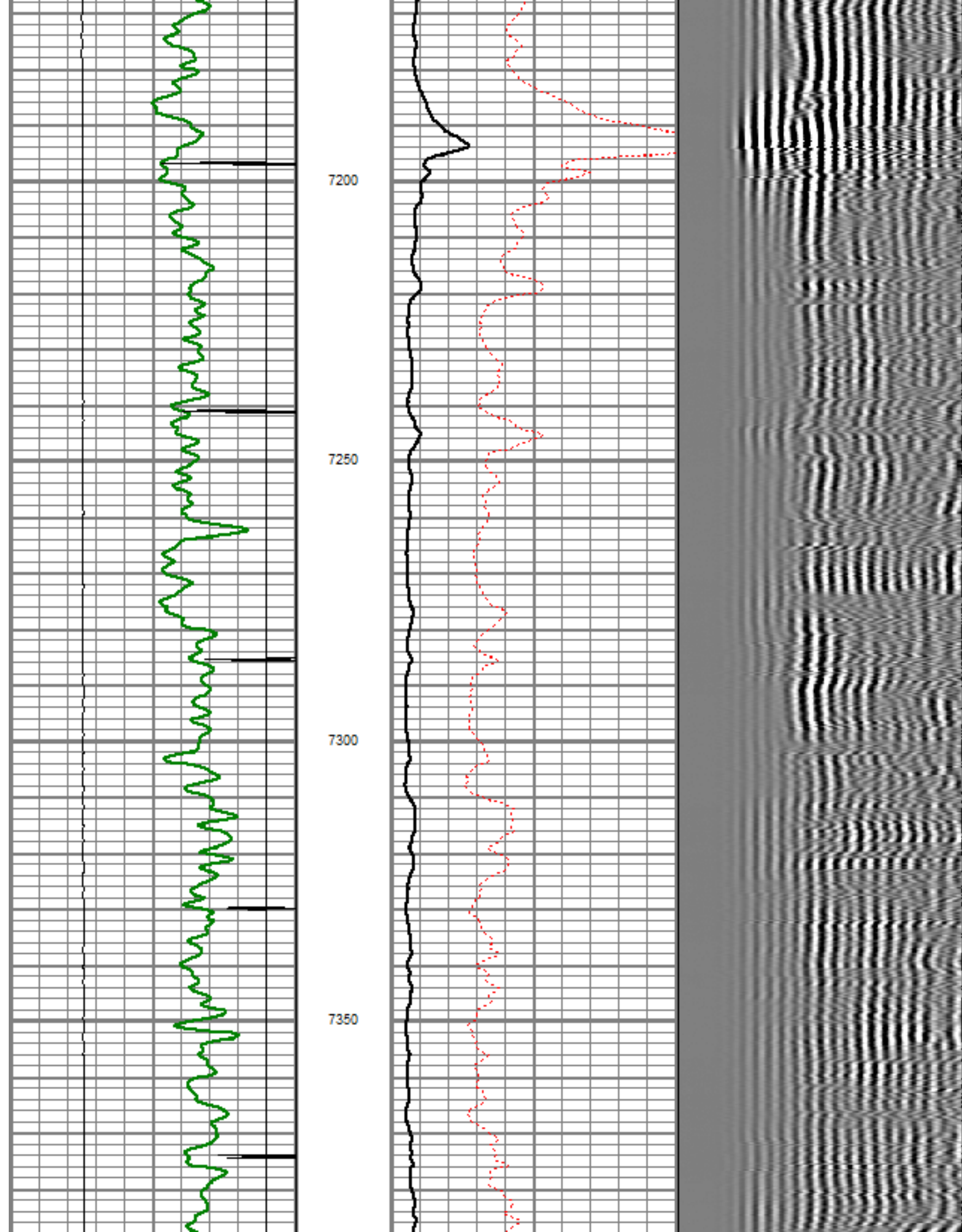
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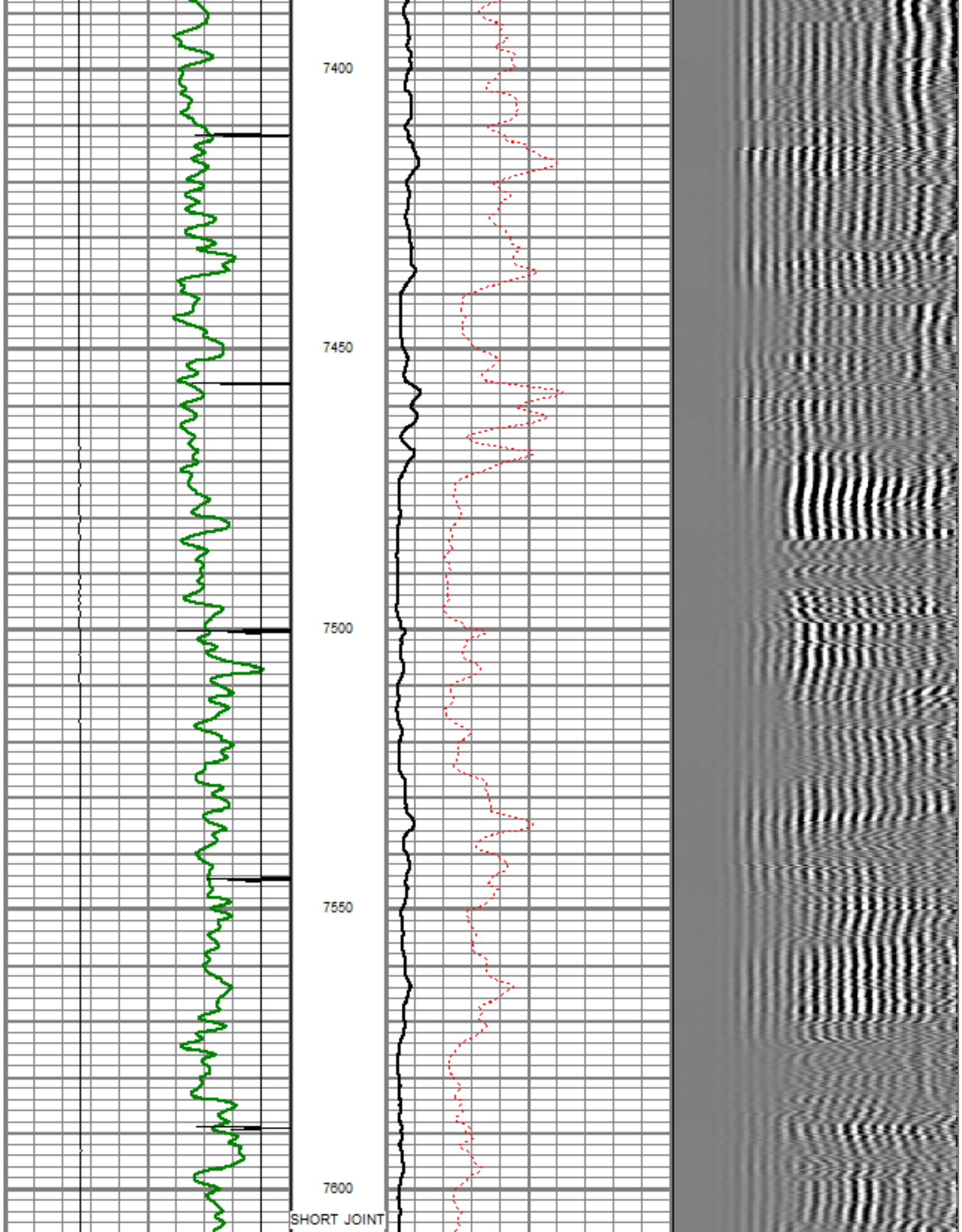
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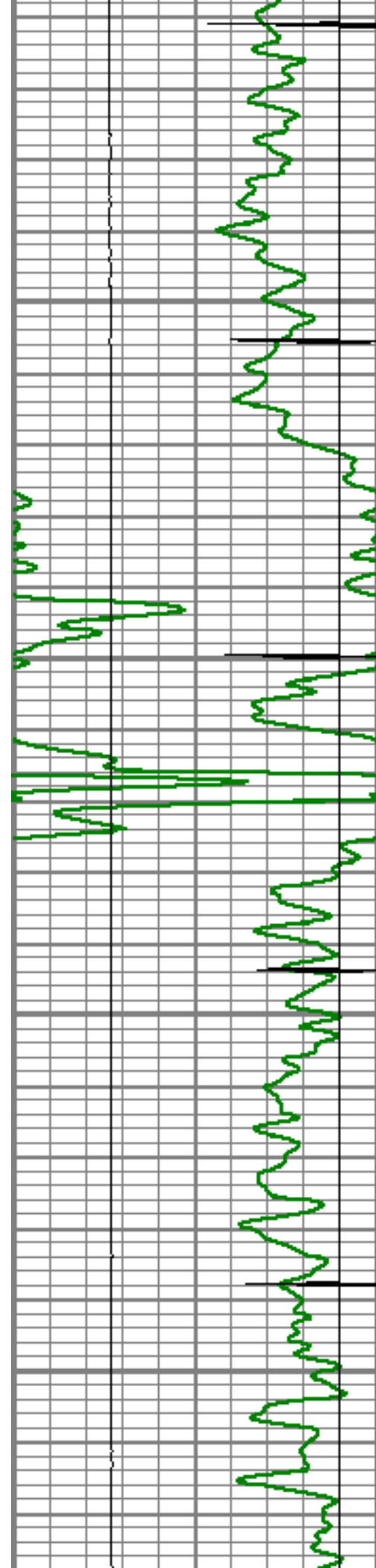
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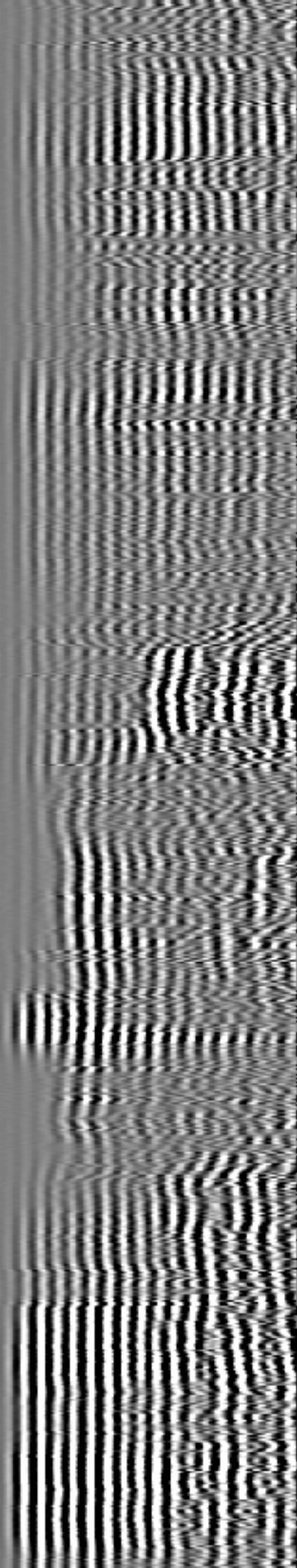
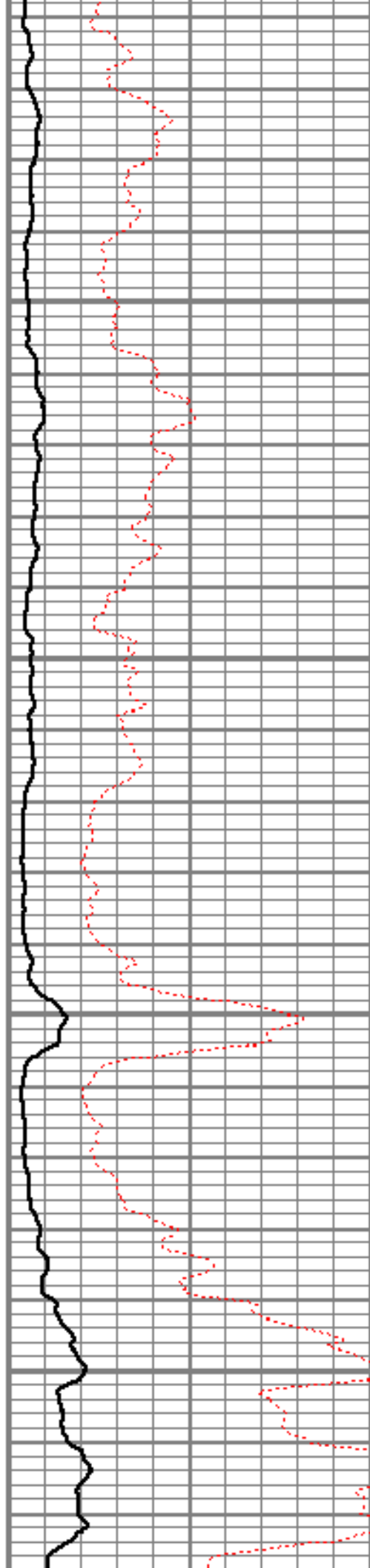


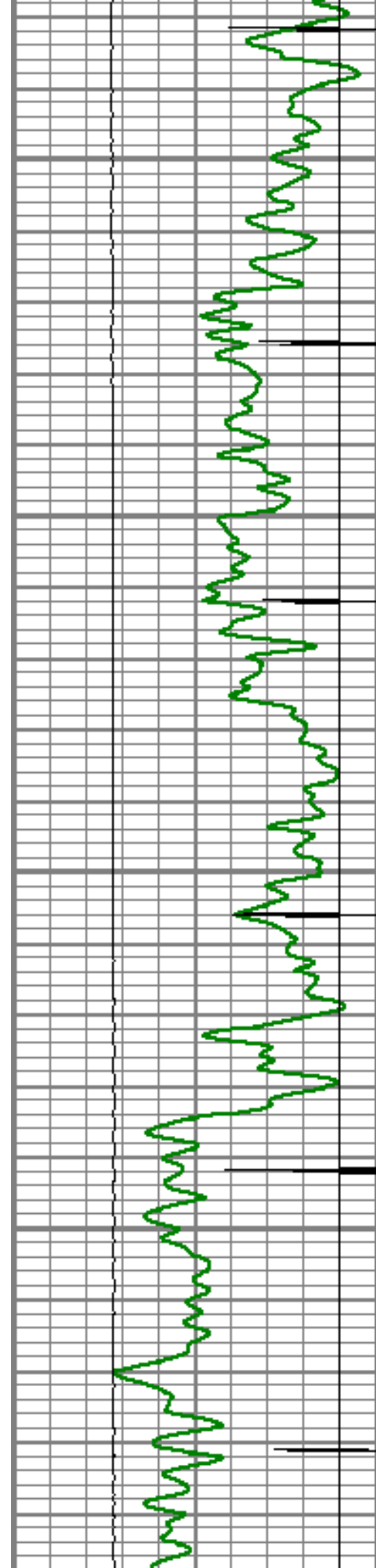
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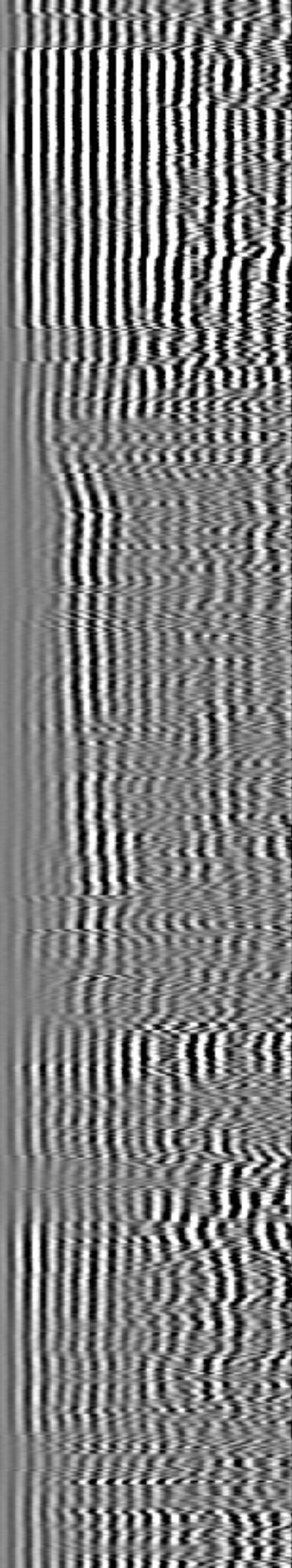
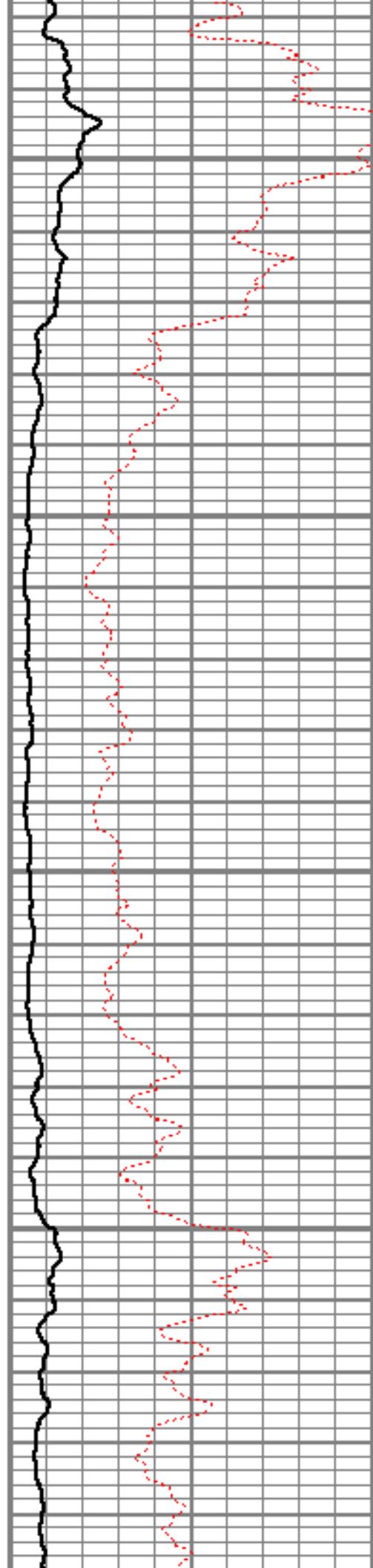


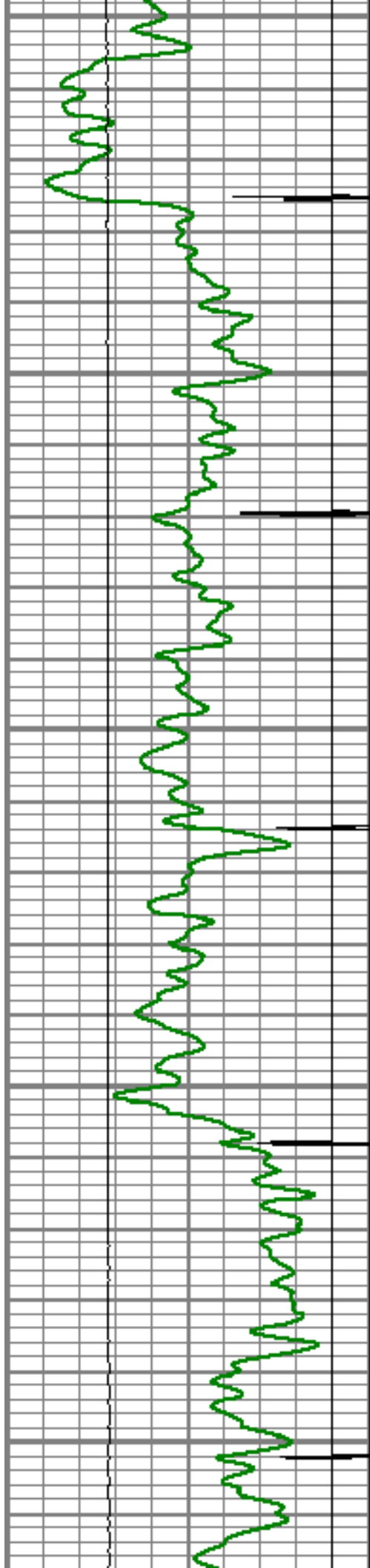
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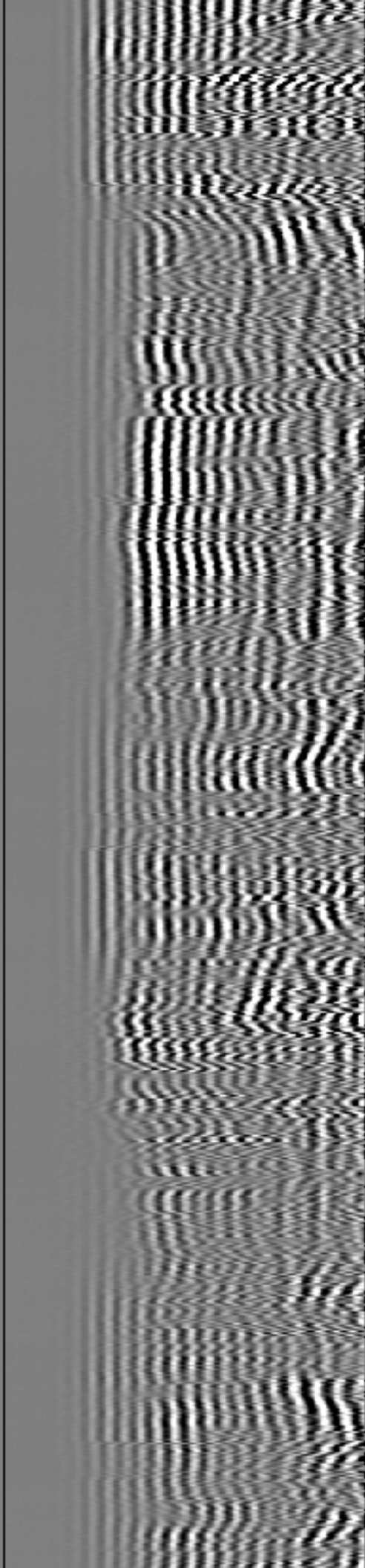
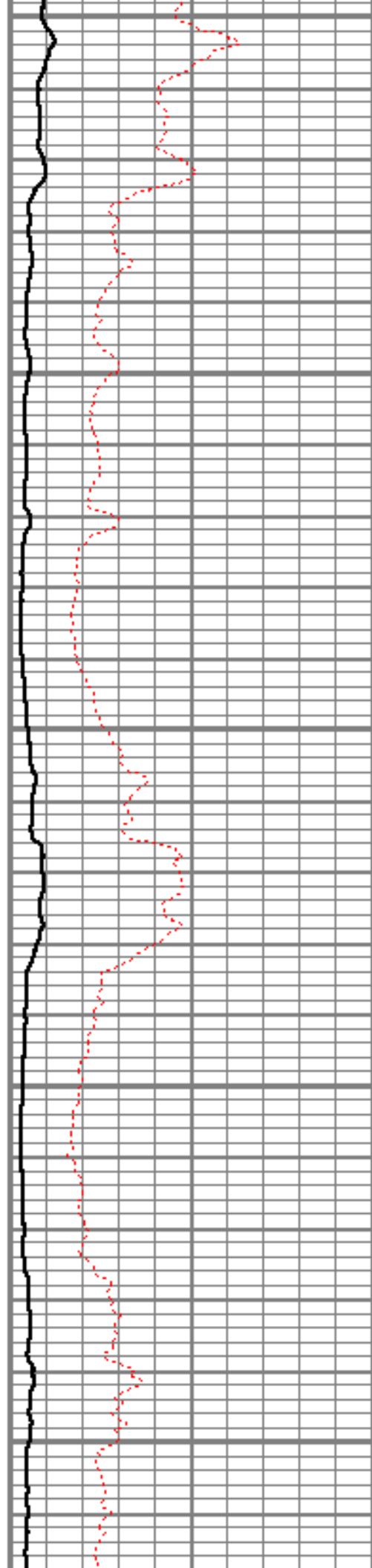
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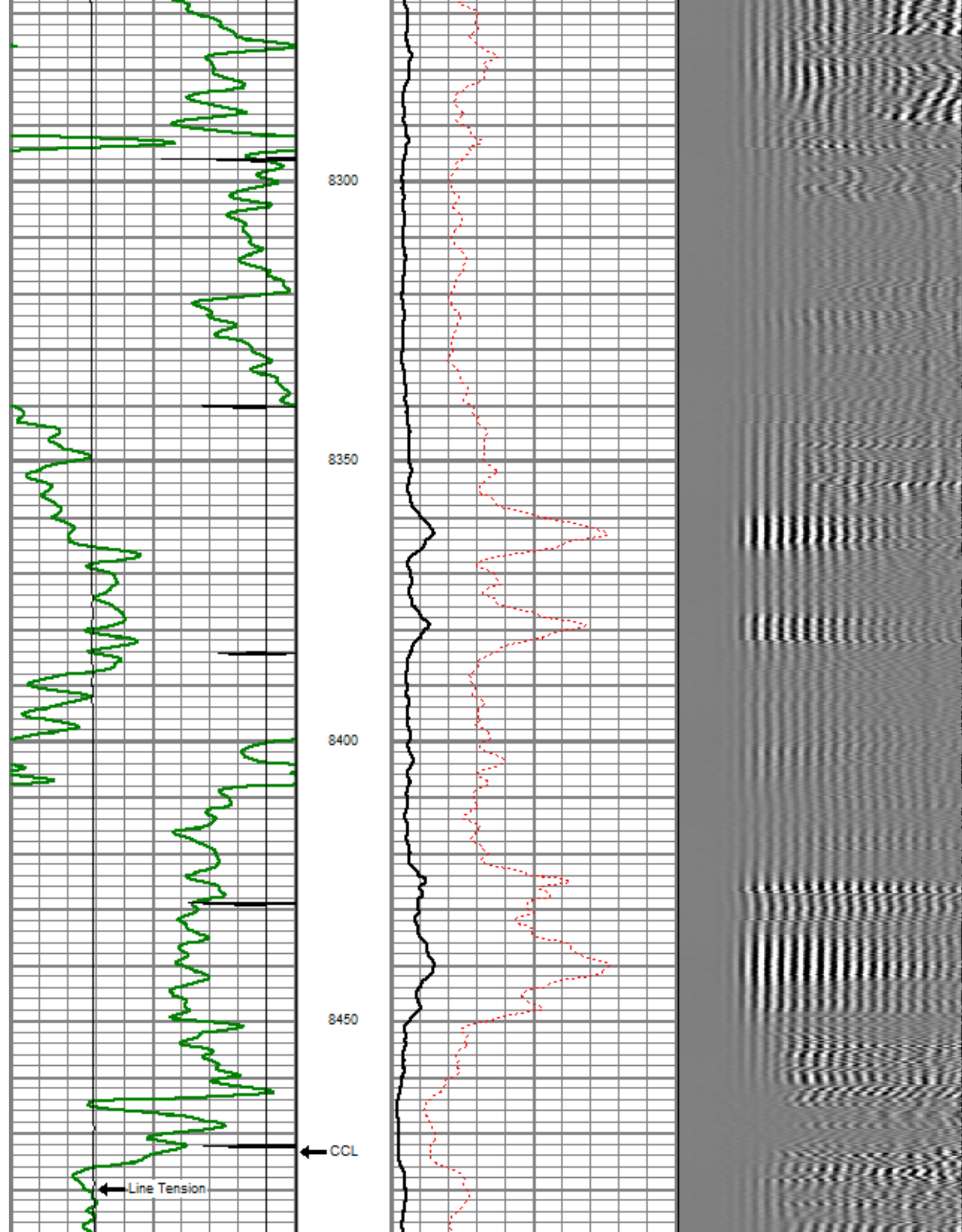
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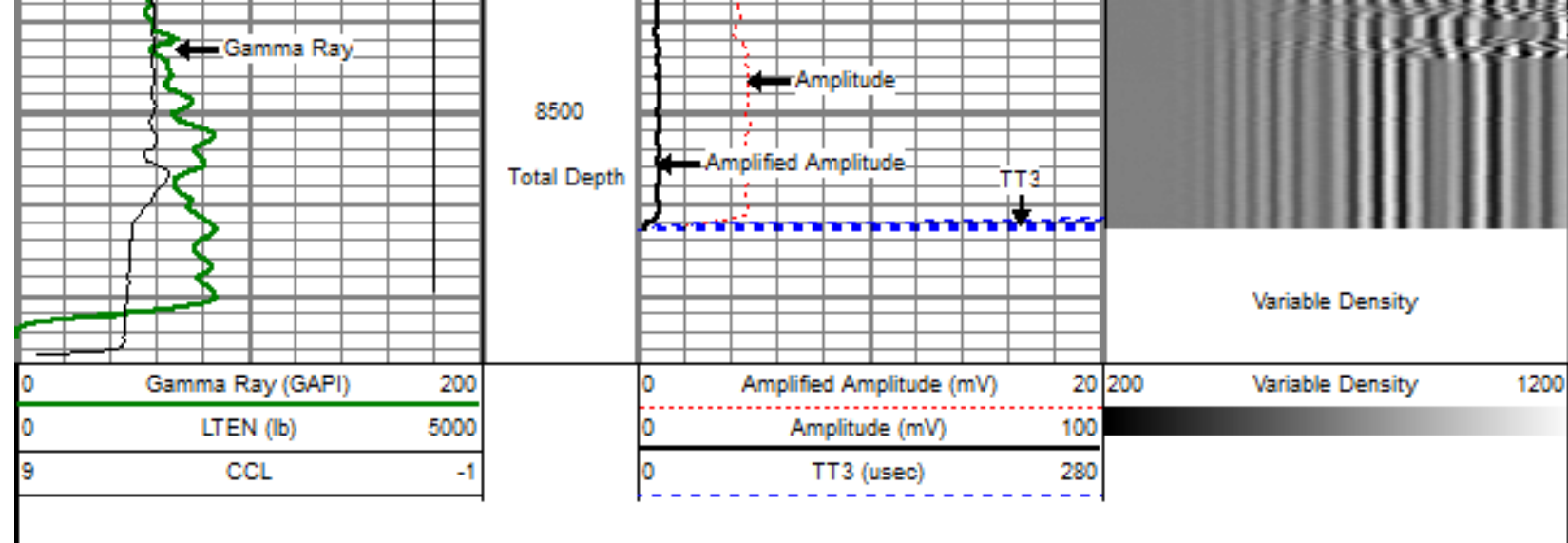
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8200

8250








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	2.75	10.00
CCL	6.50					

GR	3.77		GR-PROBE_GRCCL (PRB_GRCCL_275_01) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_01) Positive pulse Temp tool	2.88	1.38	15.00
Dataset: cosslett 32-22.db: field/well/run1/pass4OH Total Length: 22.98 ft Total Weight: 126.50 lb O.D.: 2.75 in						

	Company	ENCANA OIL & GAS (USA) INC.
	Well	COSSLETT 32-22
	Field	WATTENBERG
	County	WELD
	State	COLORADO