

CEMENT BOND LOG



Mesa Wireline

Company ENCANA OIL & GAS (USA) INC.		Company ENCANA OIL & GAS (USA) INC.	
Well RASMUSSEN 4-6-19		Well RASMUSSEN 4-6-19	
Field WATTENBERG		Field WATTENBERG	
County WELD		County WELD	
State COLORADO		State COLORADO	
Location: API #: 05-123-32248-0000		Other Services	
SHL: 1001' FSL & 1024' FWL BHL: 1450' FSL & 2300' FWL SEC: 19 TWP: 2N RGE: 68W		NONE	
Permanent Datum GROUND LEVEL Elevation 5000'		Elevation	
Log Measured From KELLY BUSHING = 13'		K.B. 5013'	
Drilling Measured From KELLY BUSHING		D.F. 5012'	
		G.L. 5000'	

Date	6 MARCH 2012						
Run Number	ONE						
Depth Driller	8312'						
Depth Logger	8286'						
Bottom Logged Interval	8286'						
Top Log Interval	3000'						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	8.3#						
Max. Recorded Temp.	249 DEG F						
Estimated Cement Top	3290'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	10501 PRD02						
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'	760'				
TWO	7.875"	760'	8325'				
Casing Record	Size		Wgt/Ft		Top		Bottom
Surface String	8.625"		24#		0'		750'
Prot. String							
Production String	4.5"		11.6#		0'		8312'
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: 7380' - 7400'

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



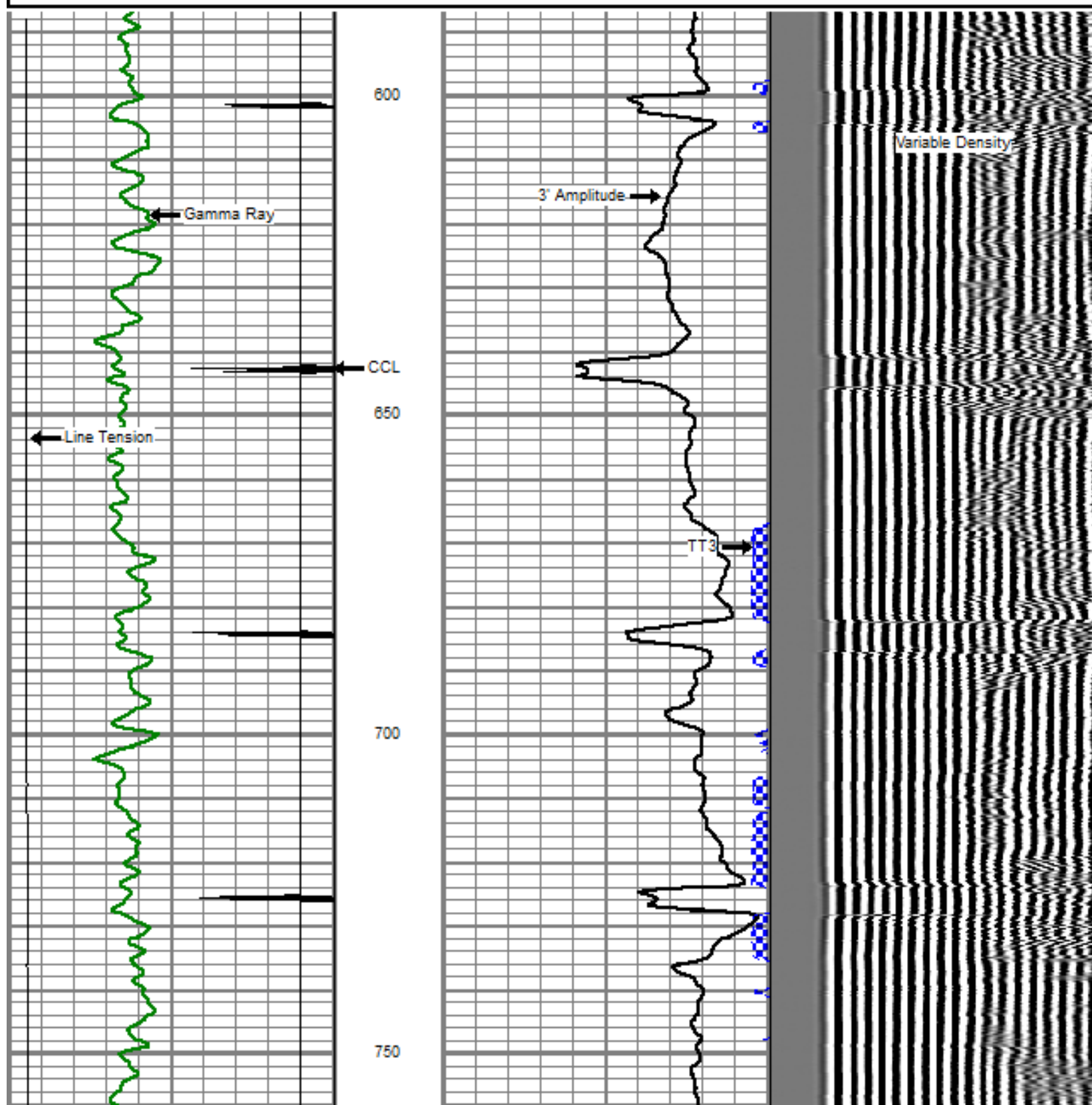
TOP PASS

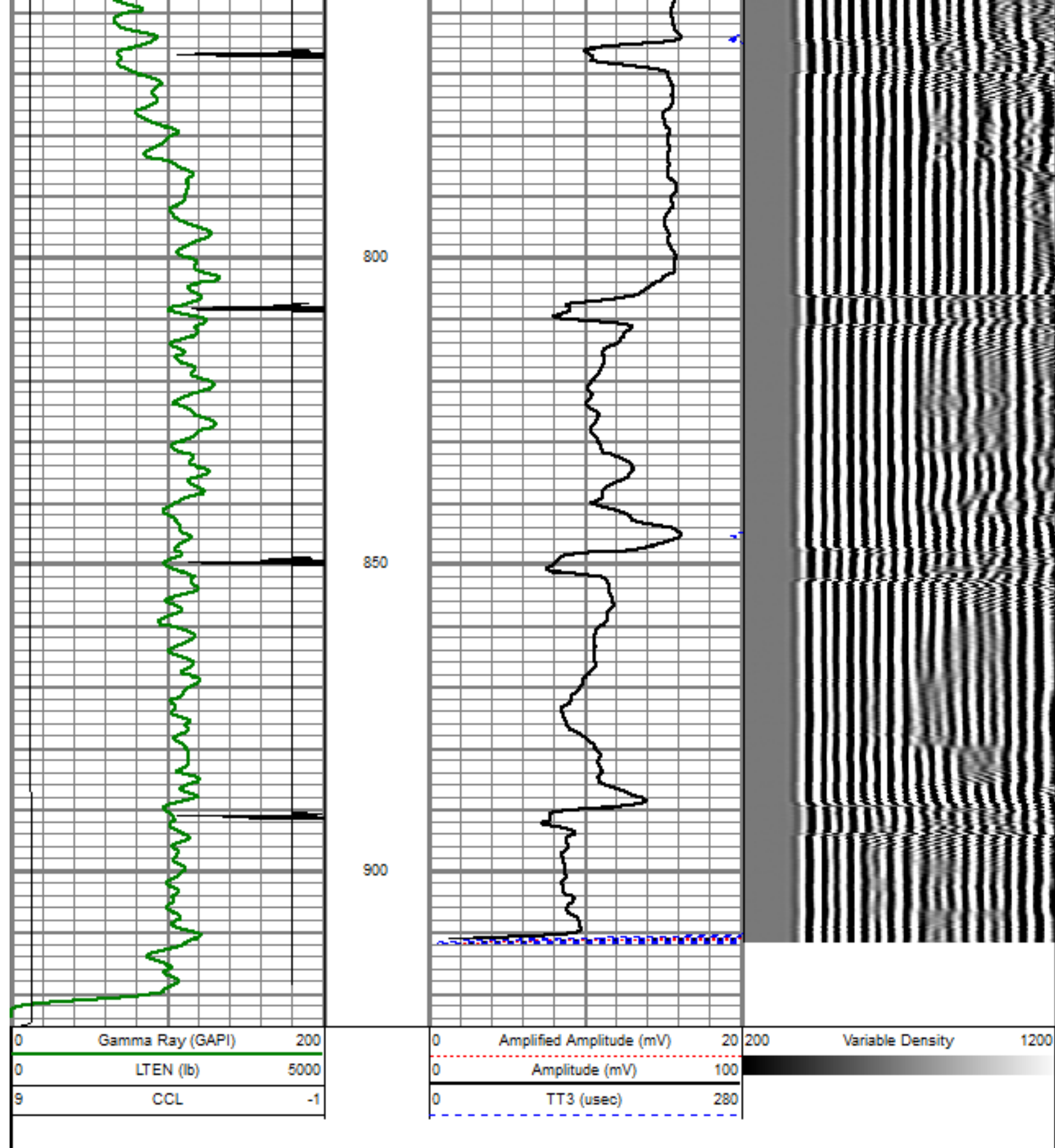
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Dataset Pathname: pass8.2
Presentation Format: dobl_prb
Dataset Creation: Tue Mar 08 09:36:11 2012 by Calo SCH 110722
Charted by: Depth in Feet scaled 1:240

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





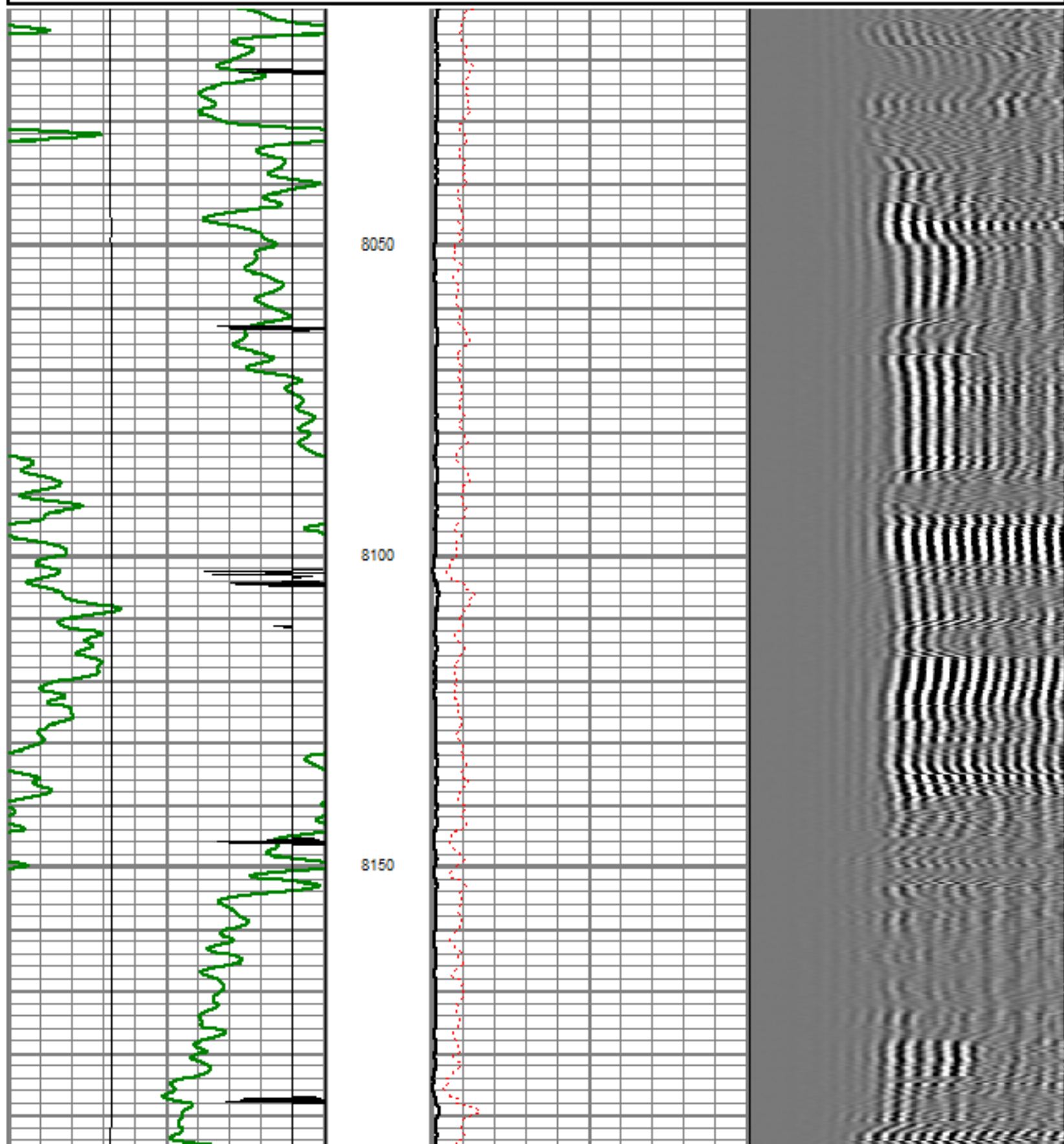
REPEAT PASS

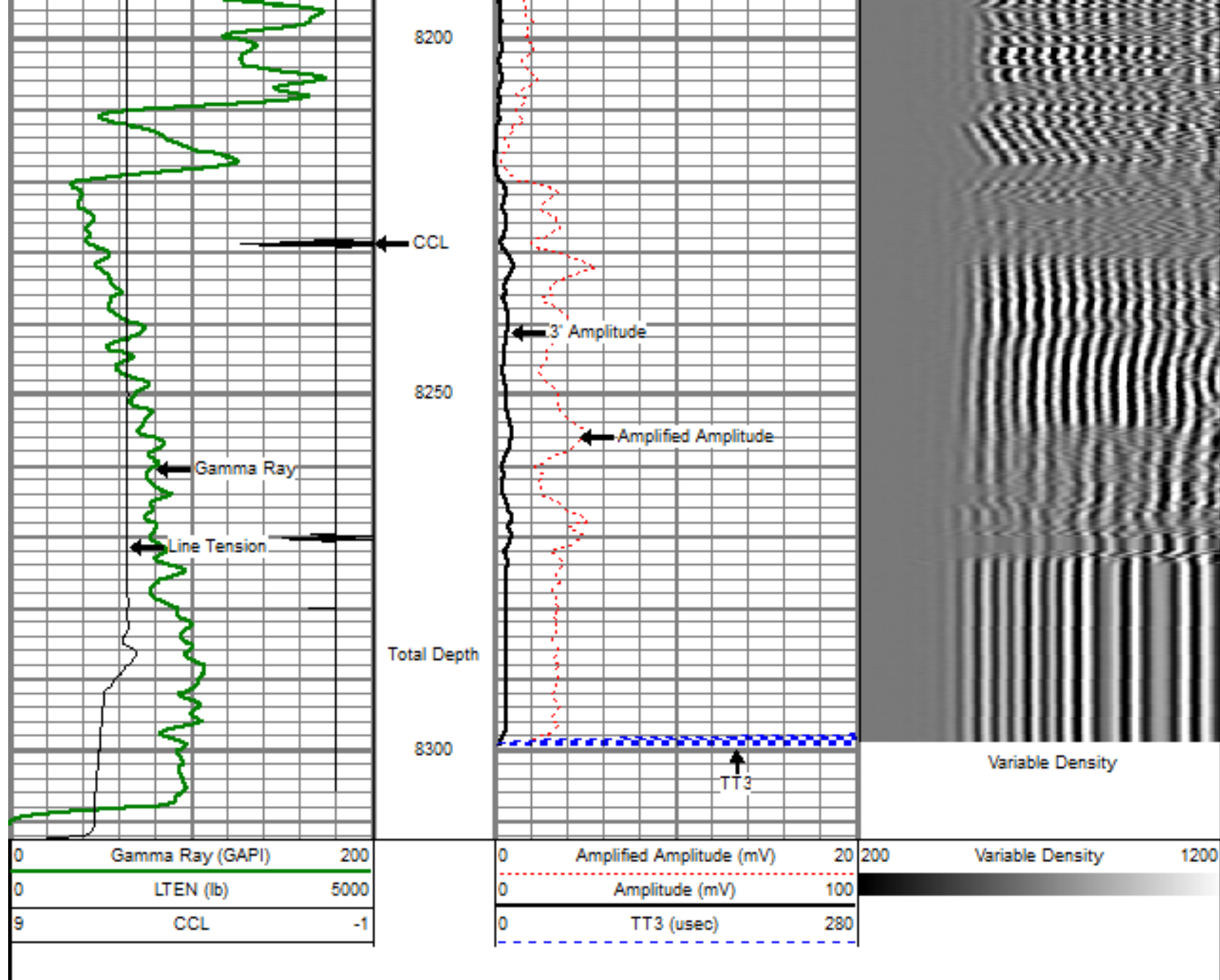
5" = 100'

Dataset Pathname: pass6
Presentation Format: dcbl_prb
Dataset Creation: Tue Mar 06 08:01:43 2012 by Log 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			

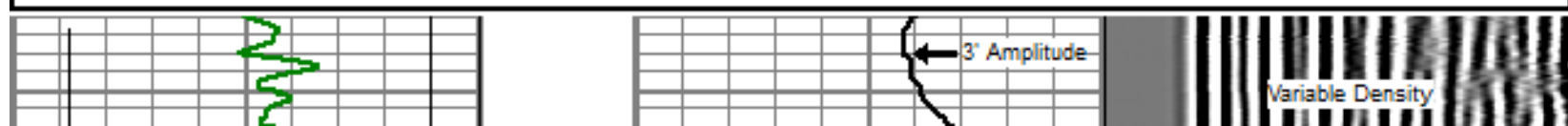
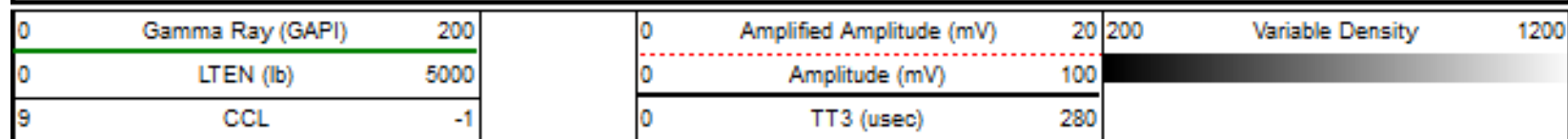


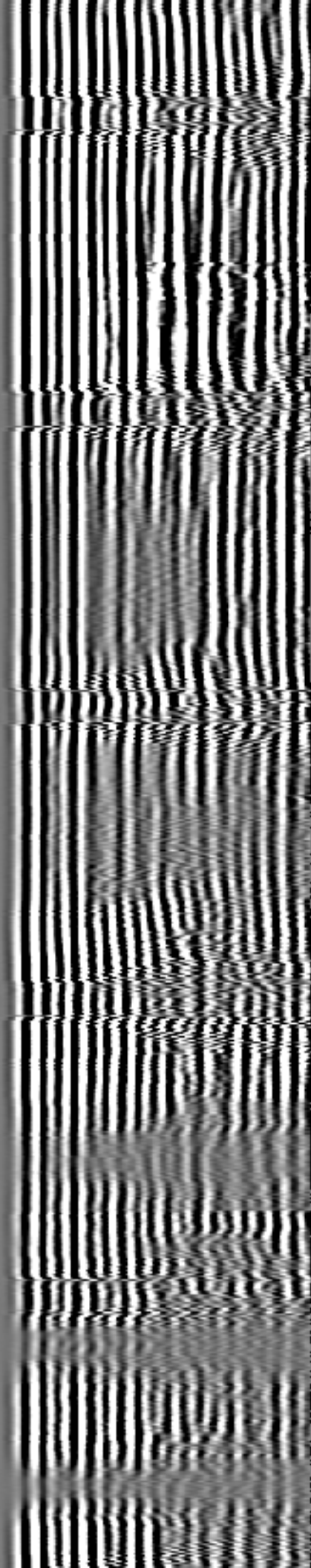
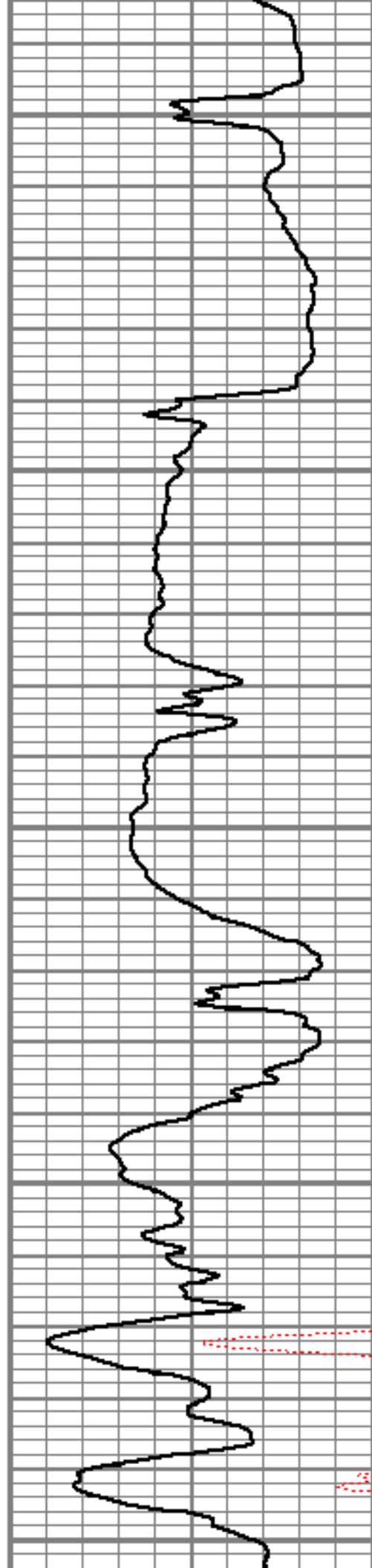
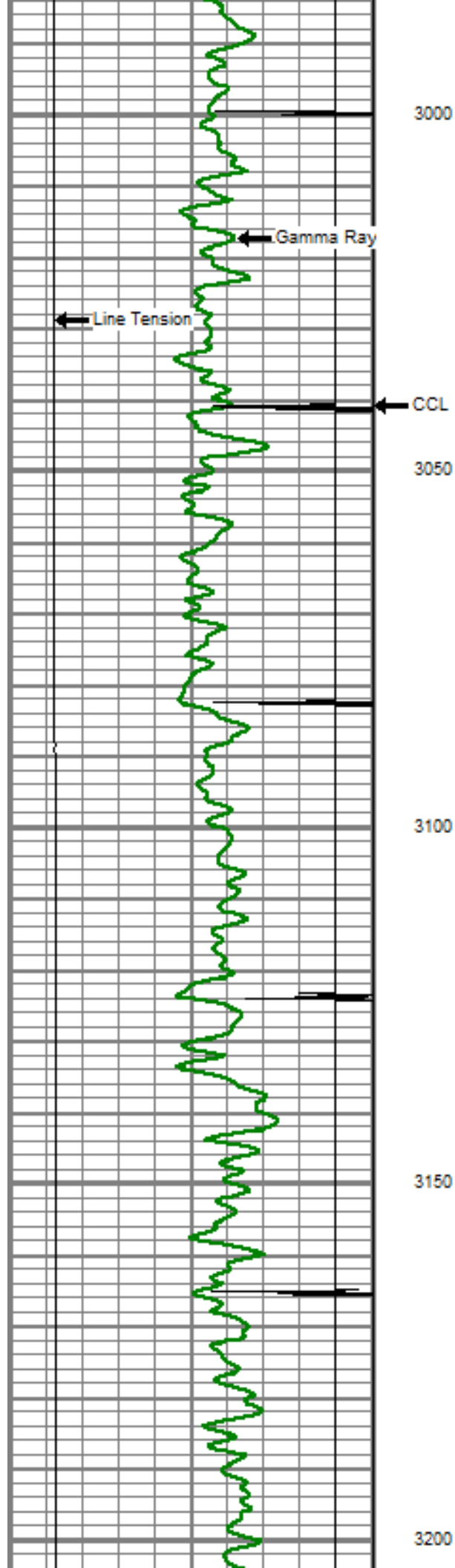


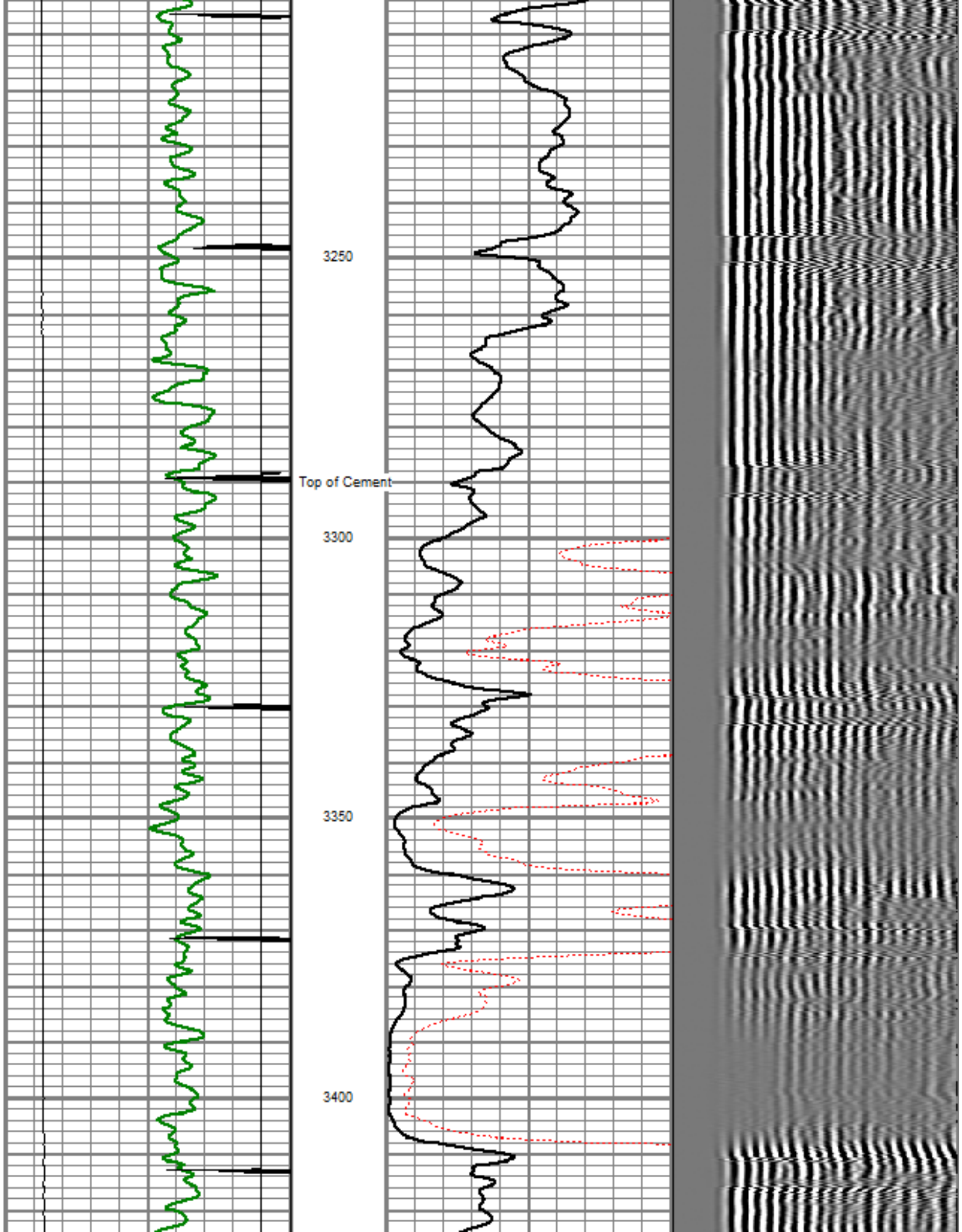
MAIN PASS

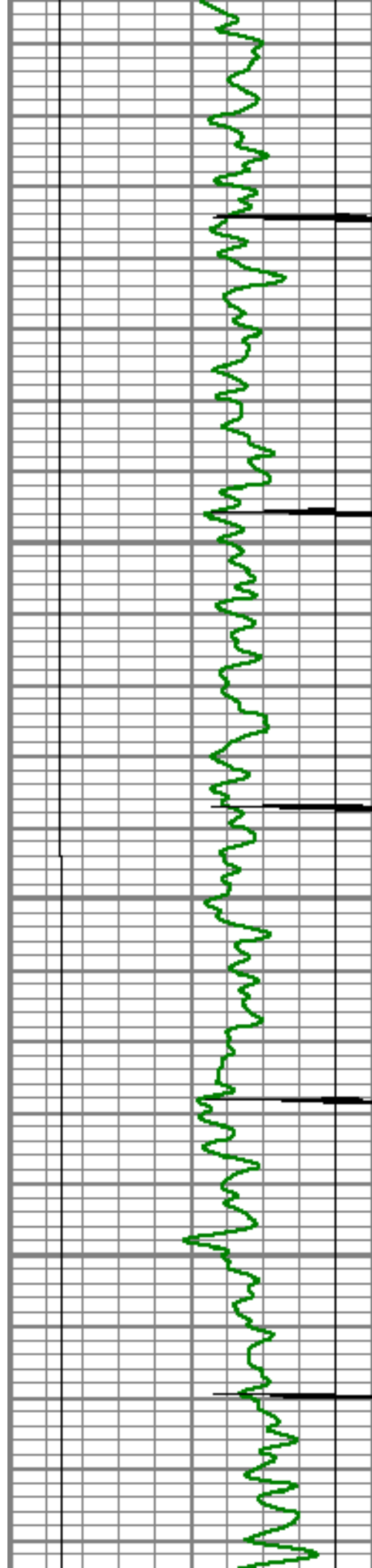
5" = 100'

Database File: rasmussen 4-8-19.db
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 Charted by: Depth in Feet scaled 1:240







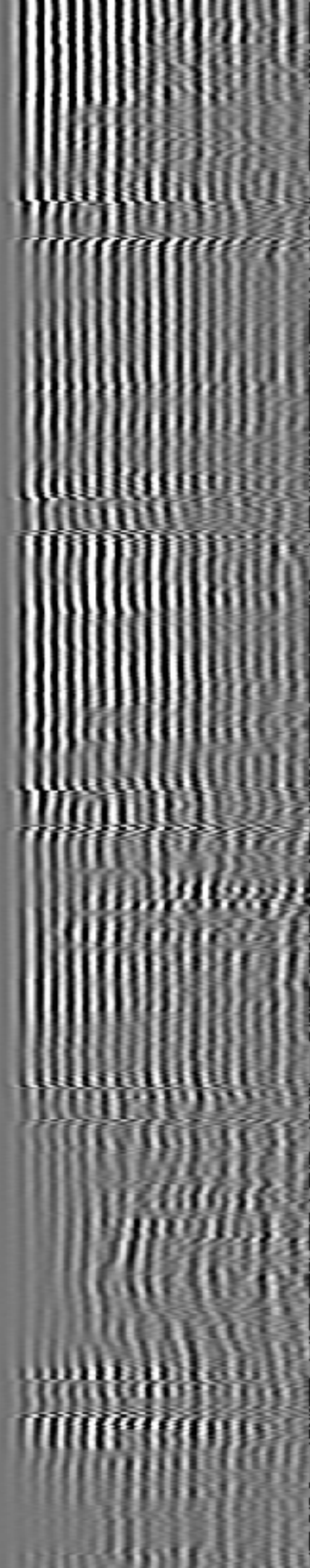
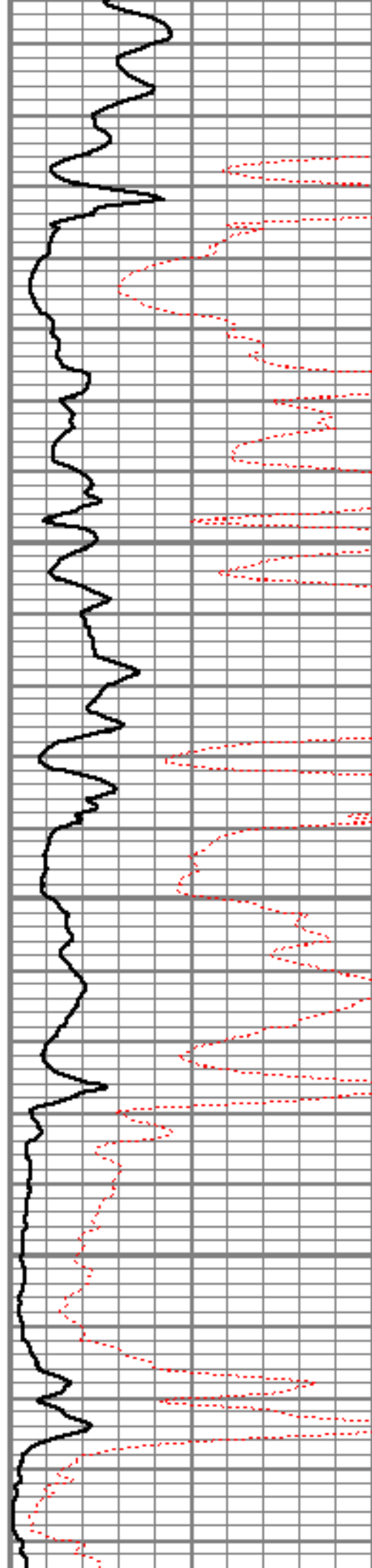


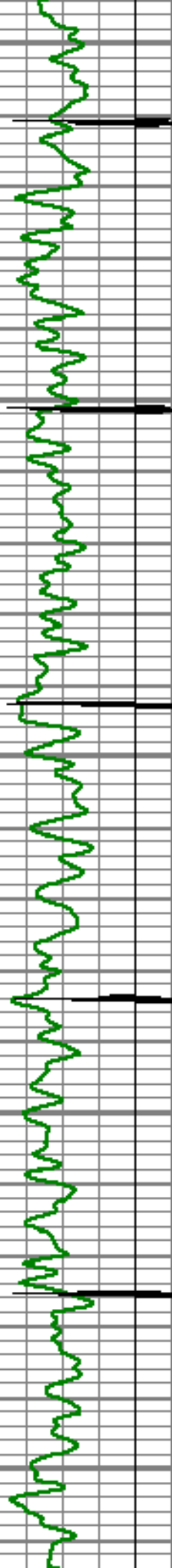
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3500

3550

3600





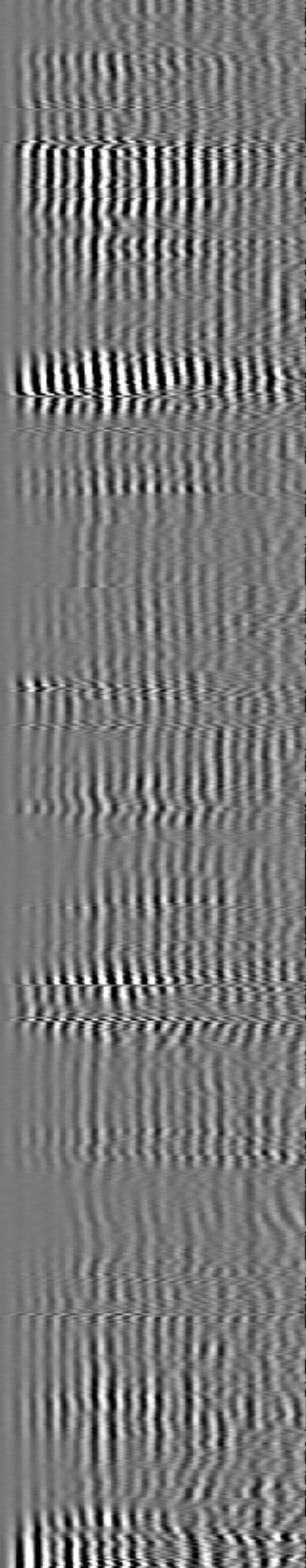
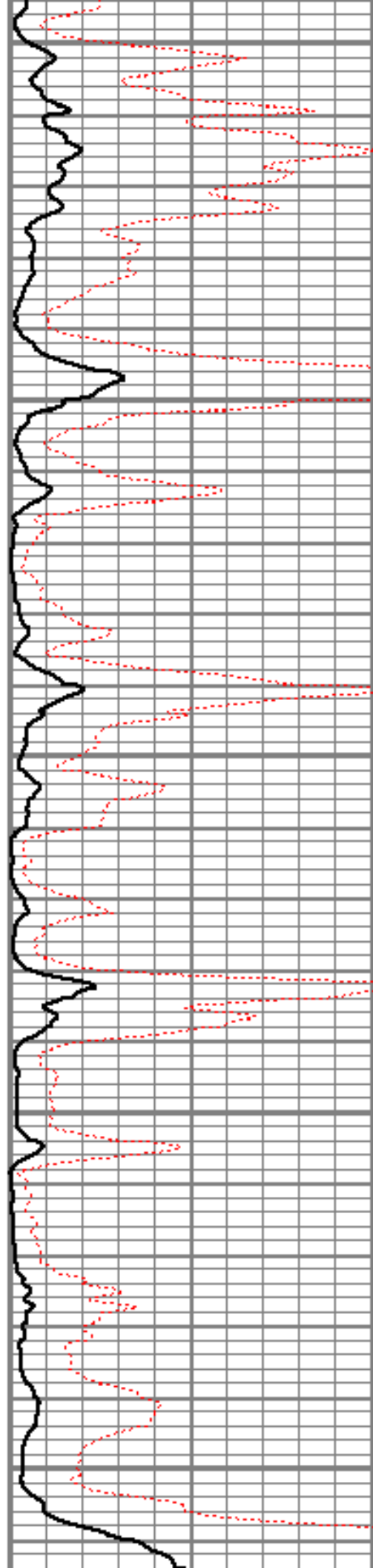
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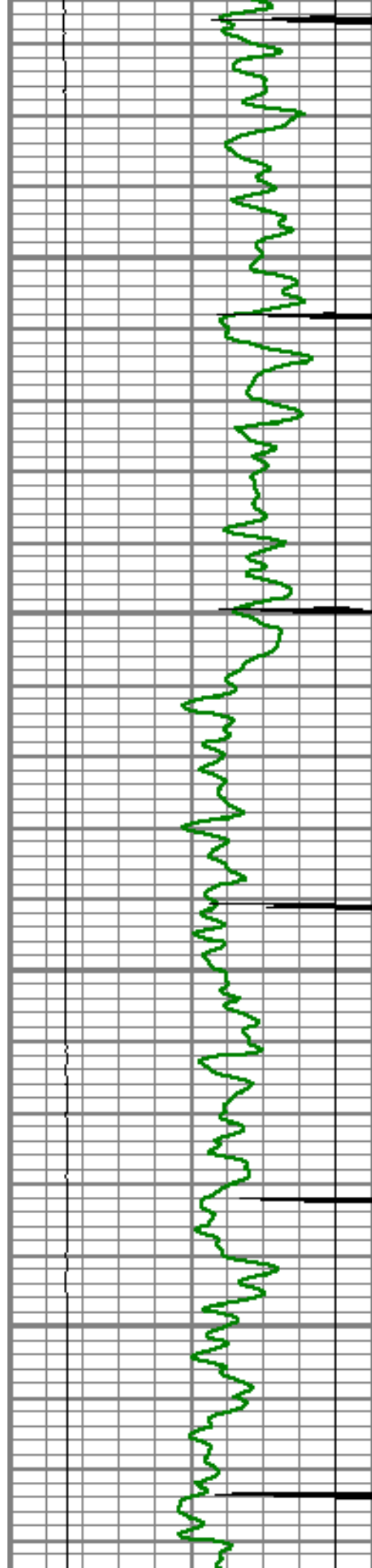
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3750

3800

3850



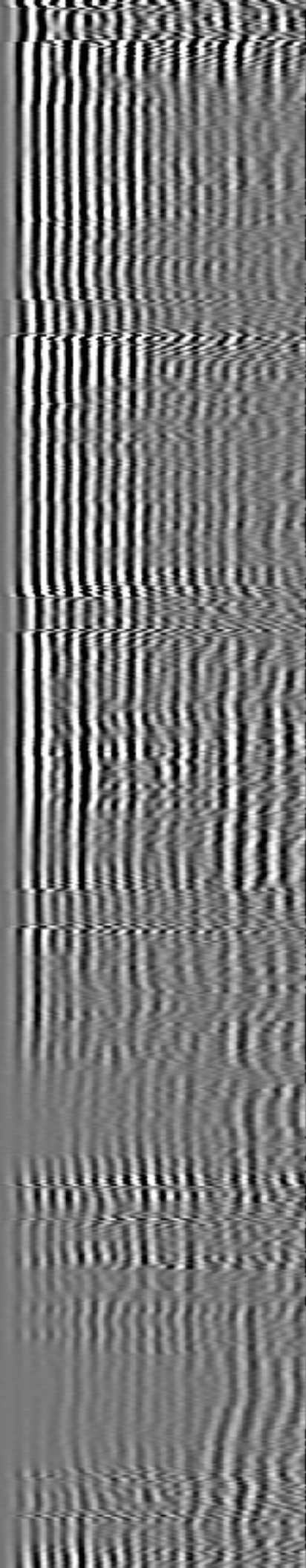
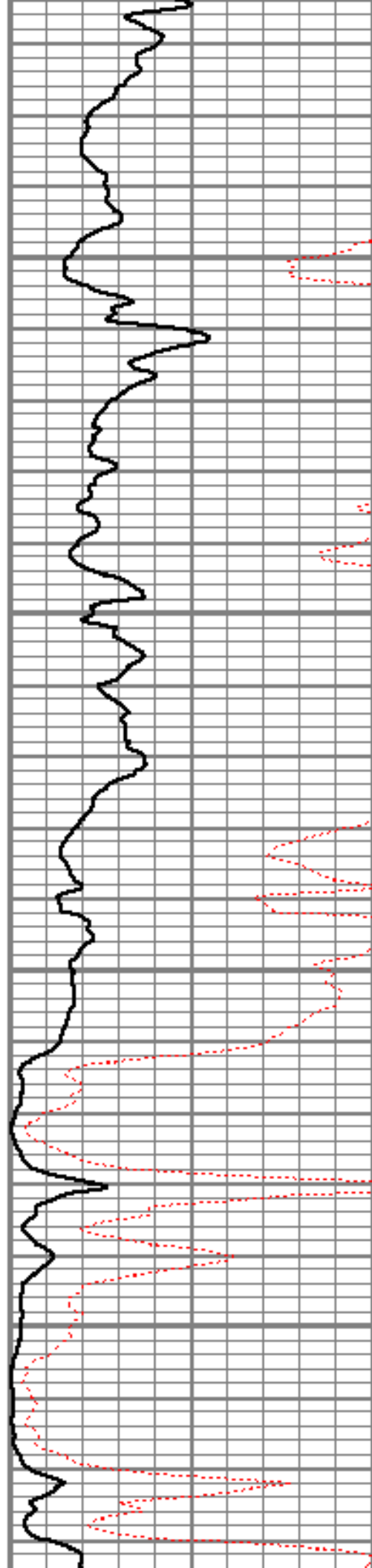


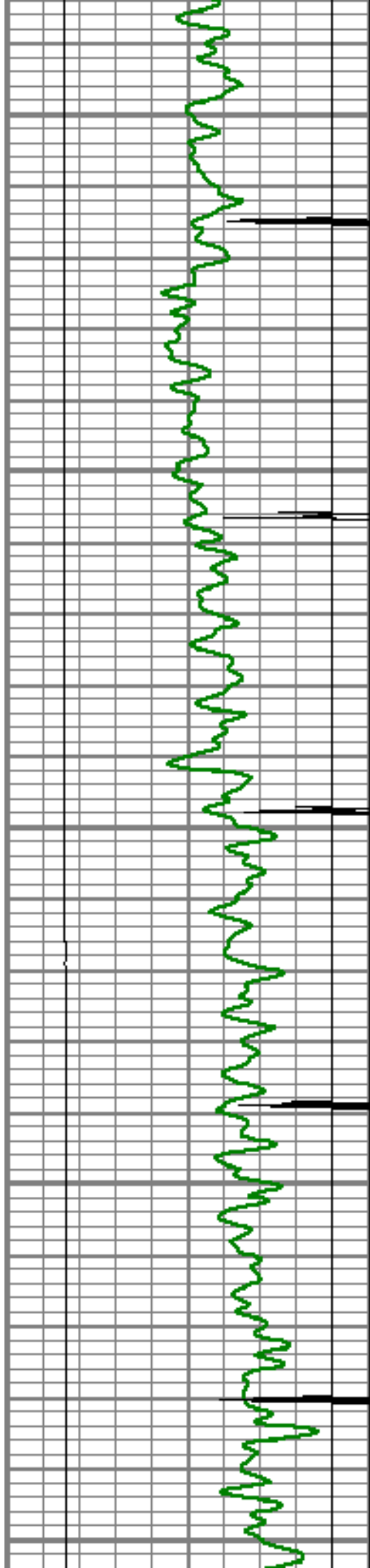
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3950

4000

4050





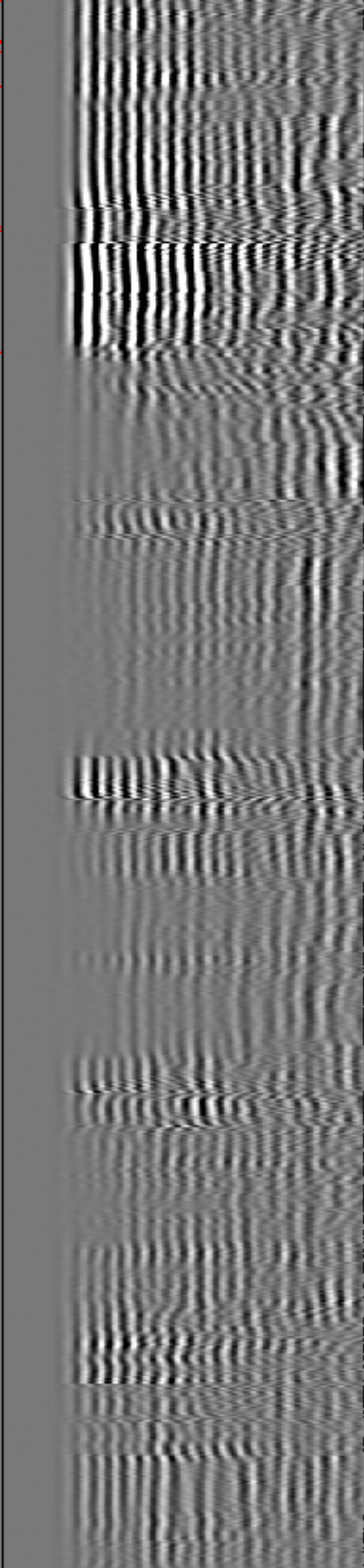
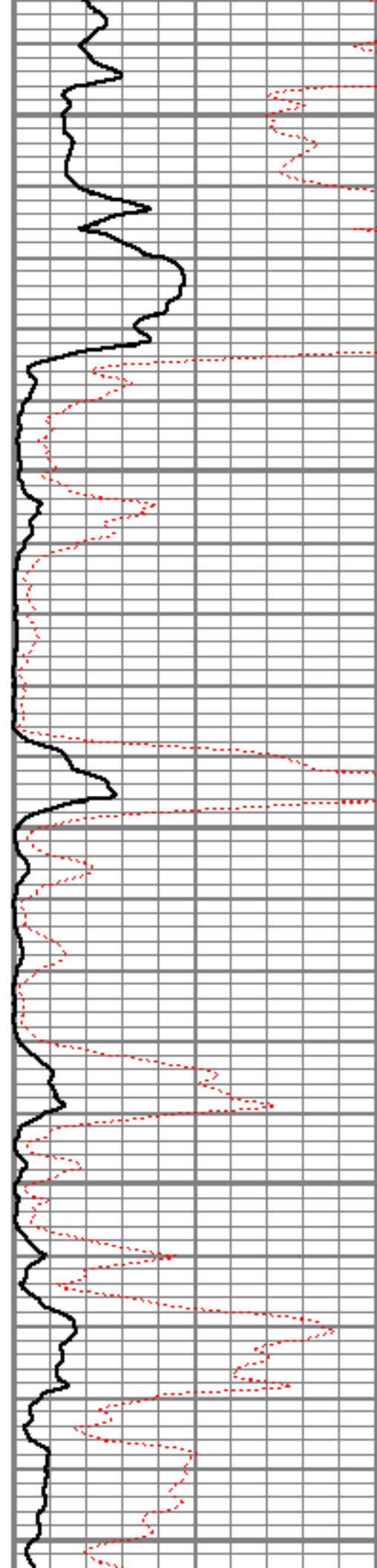
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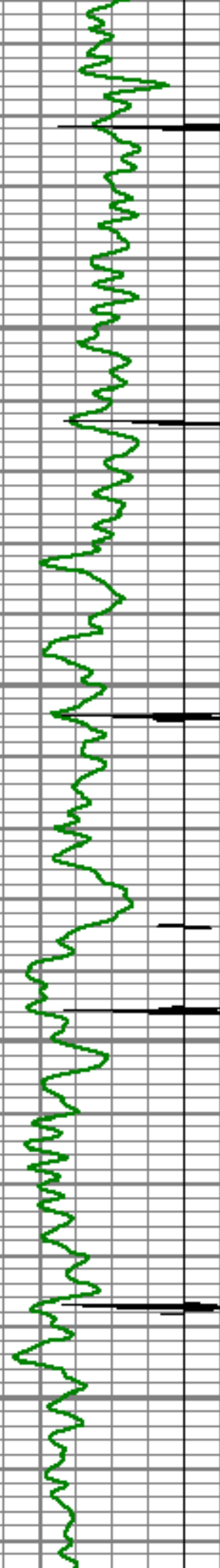
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4200

4250

4300



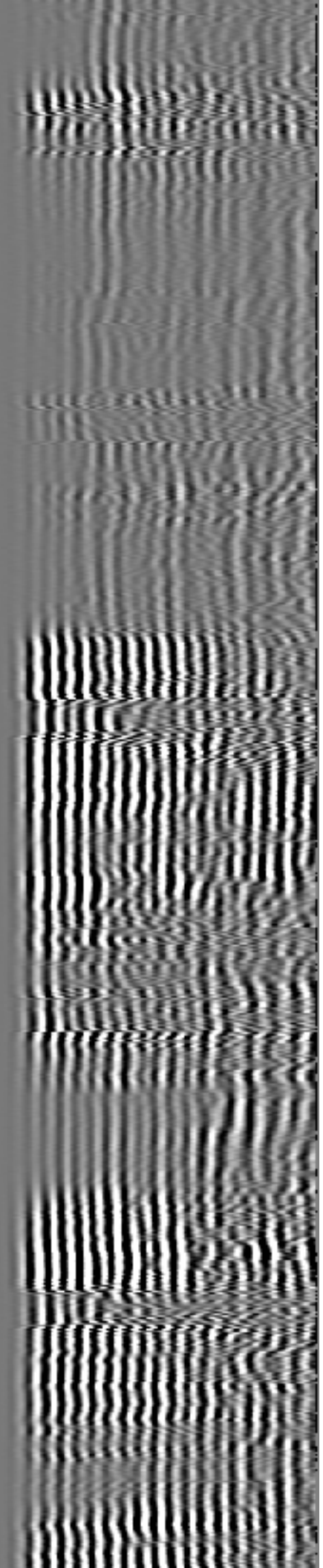
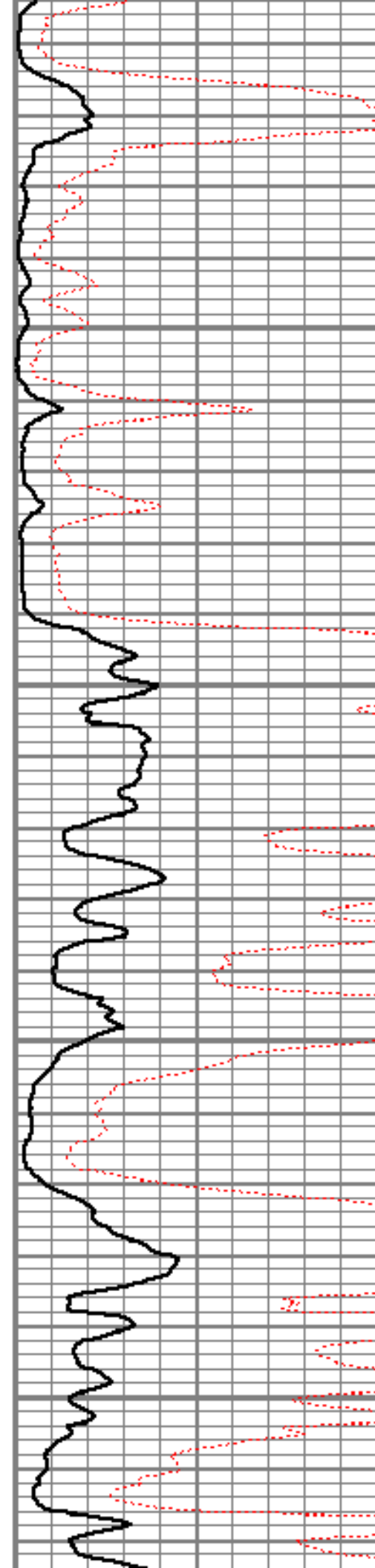


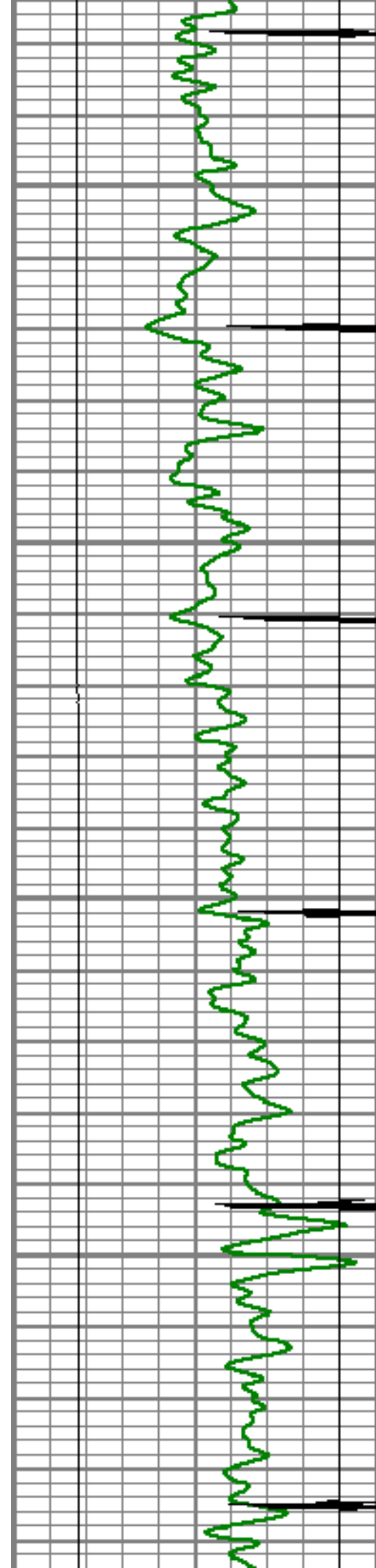
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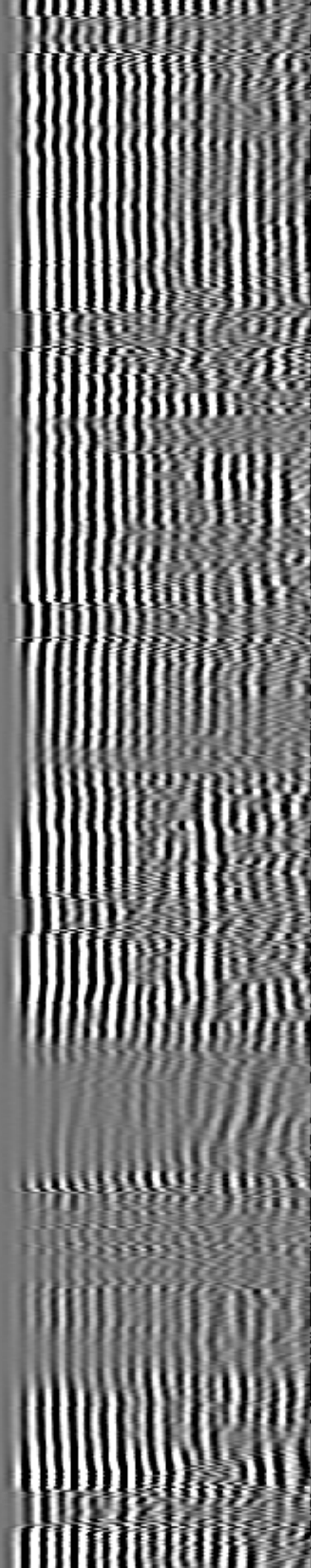
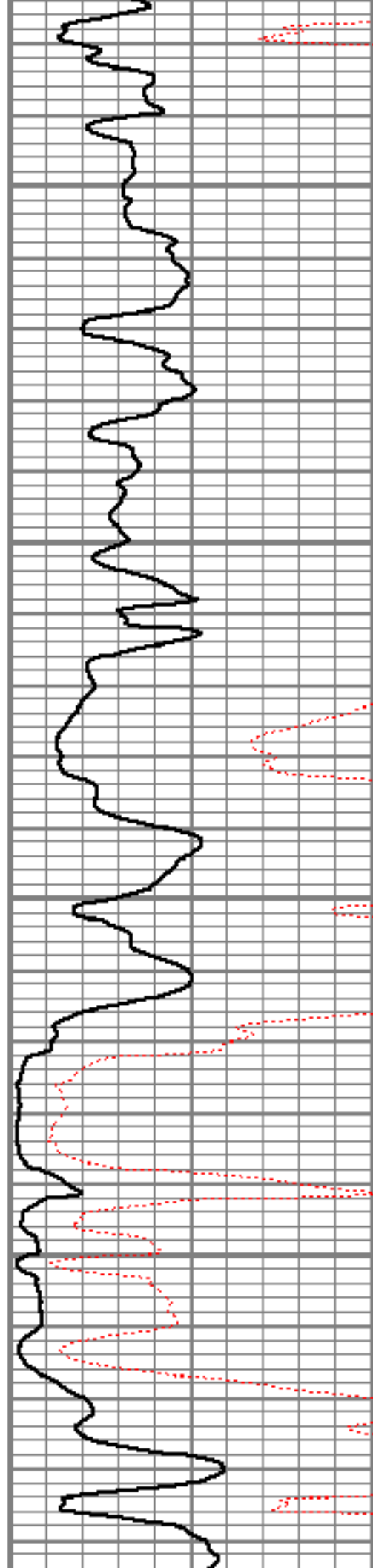


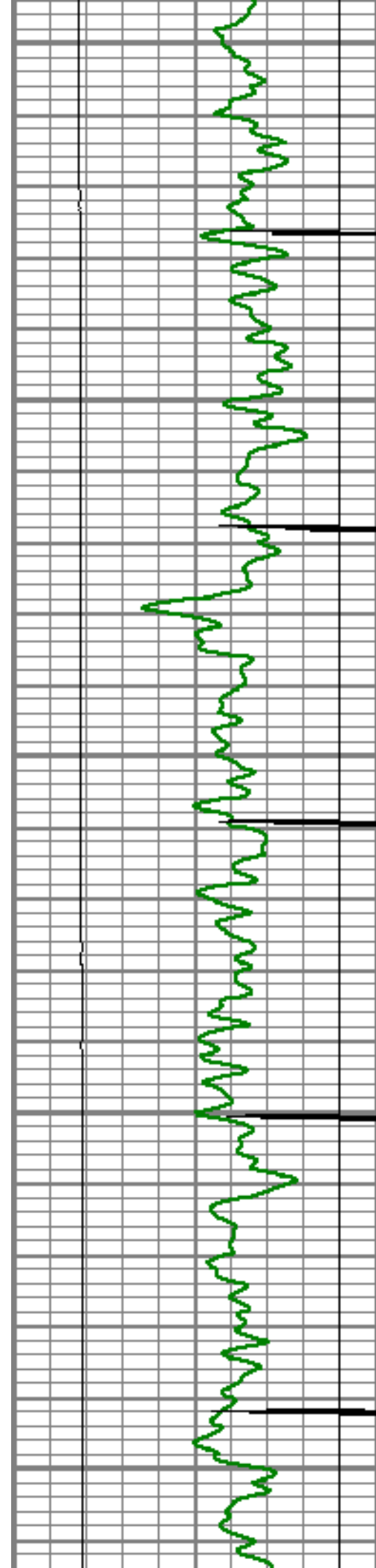
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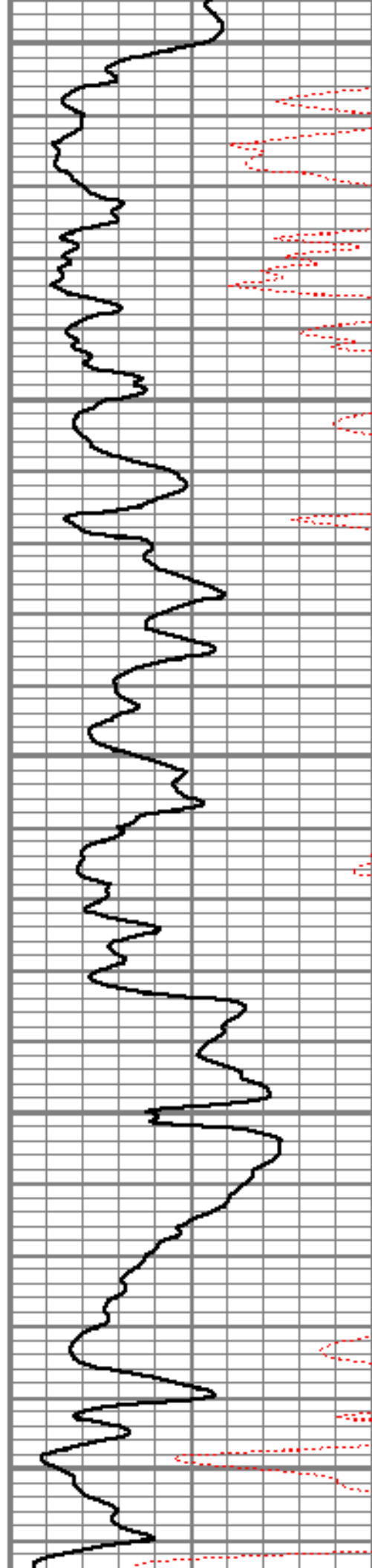
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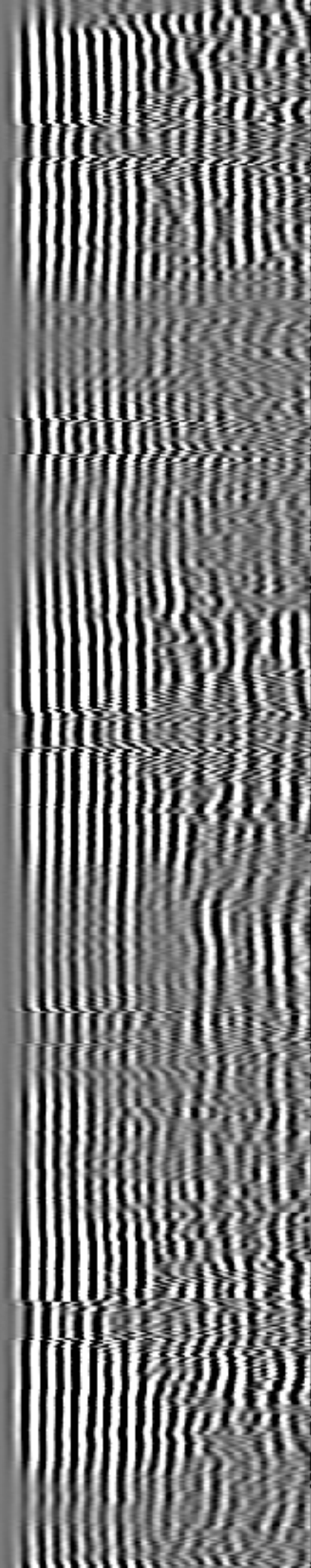
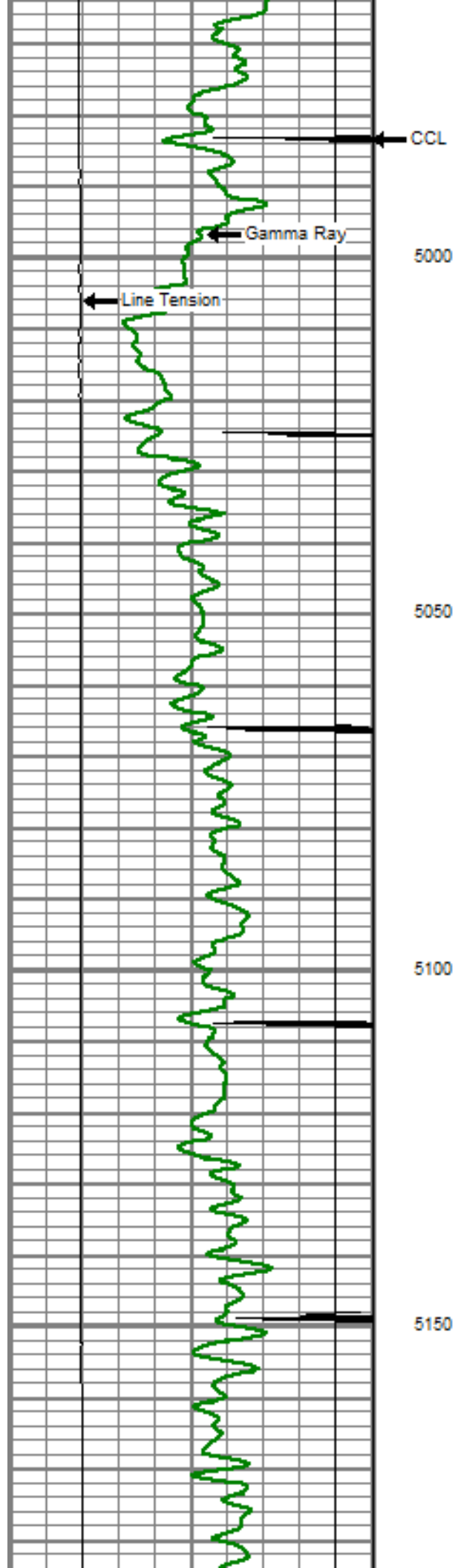
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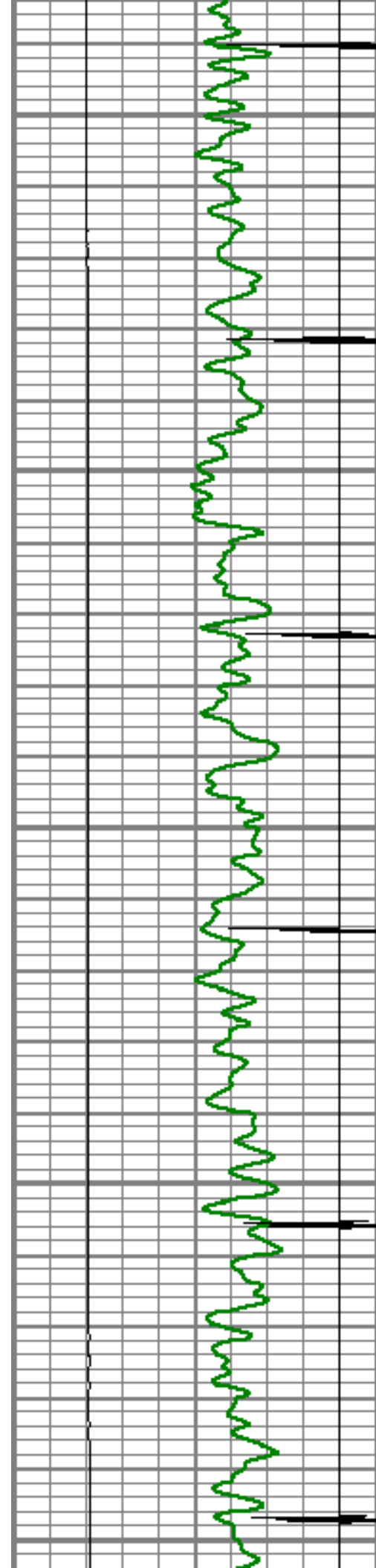
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4950



Variable Density





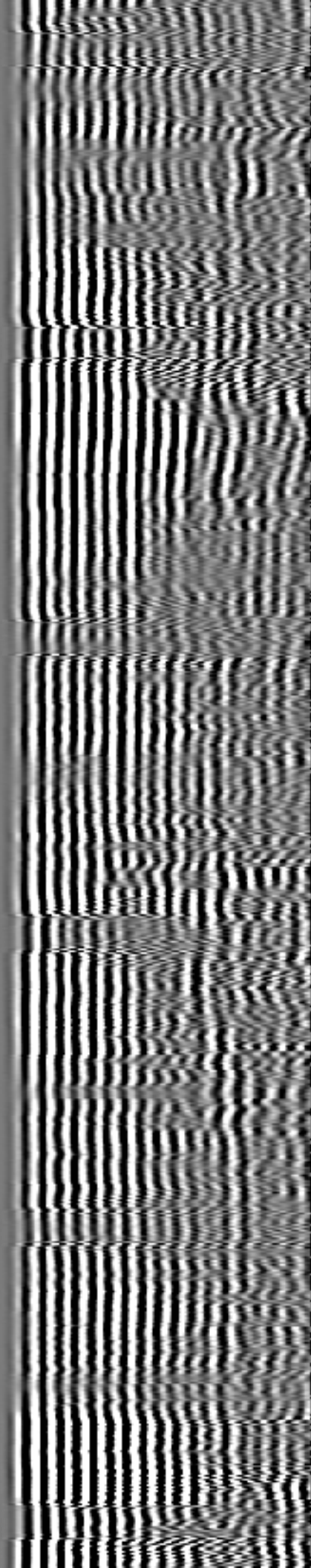
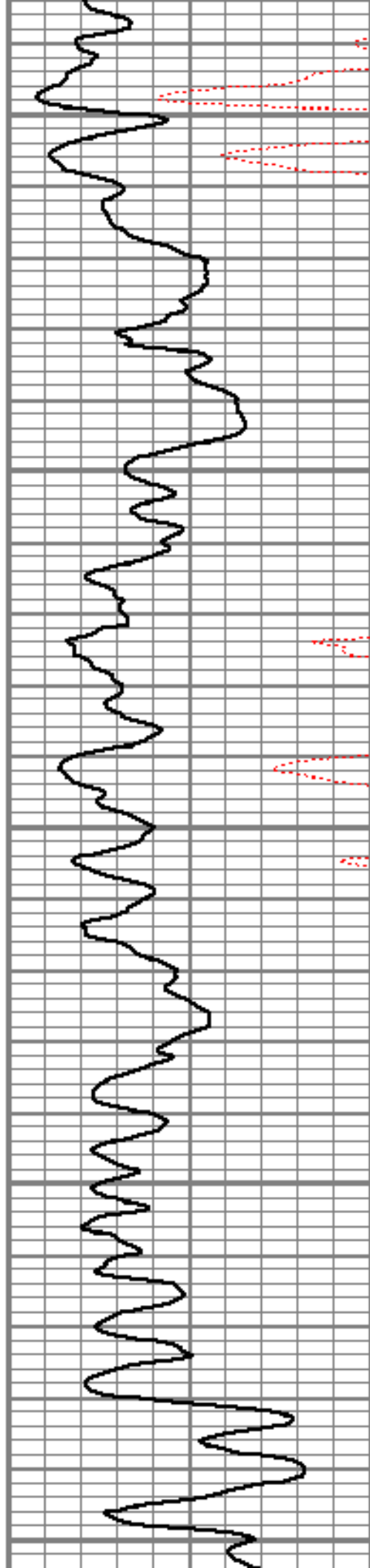
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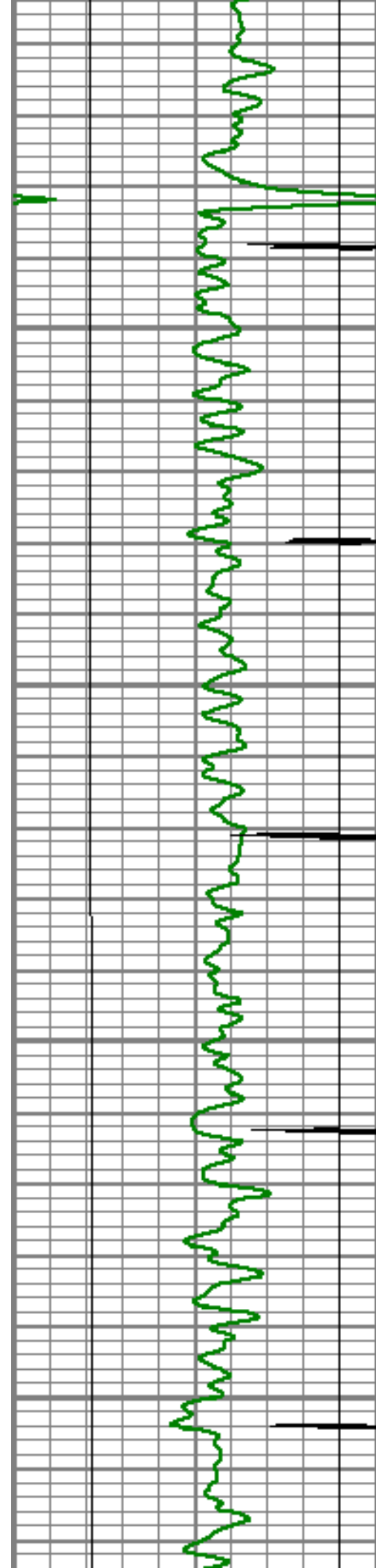
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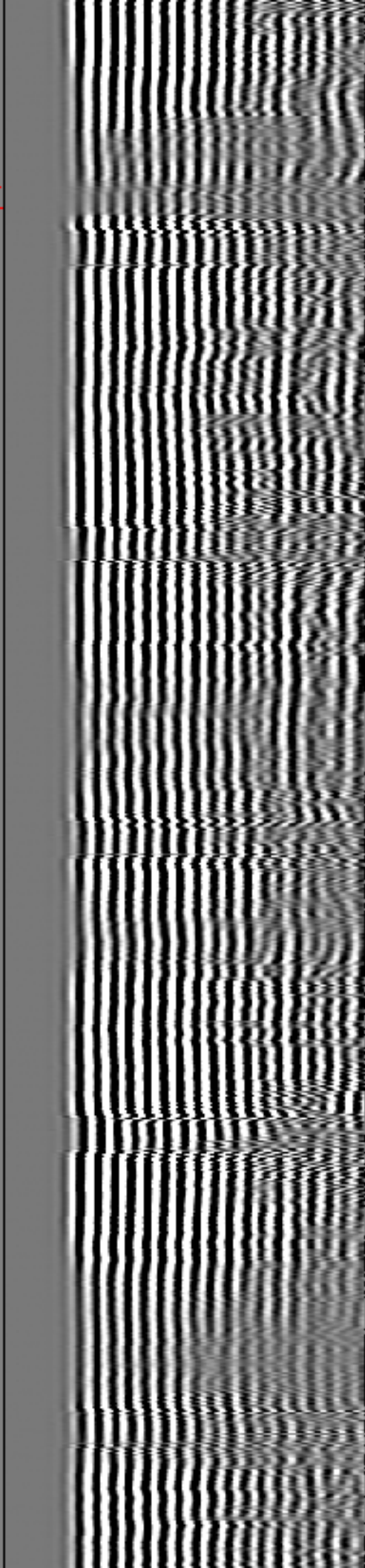
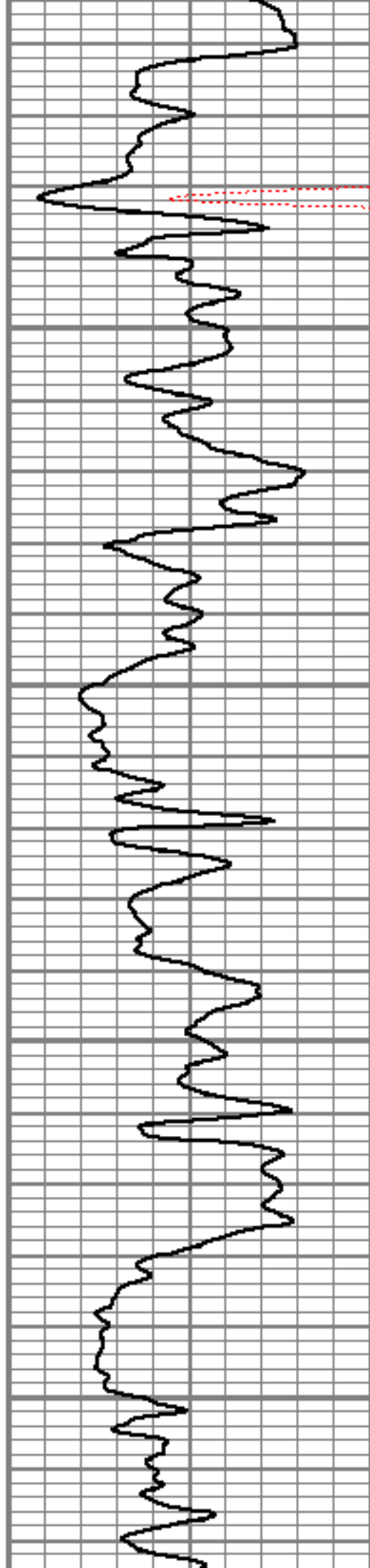


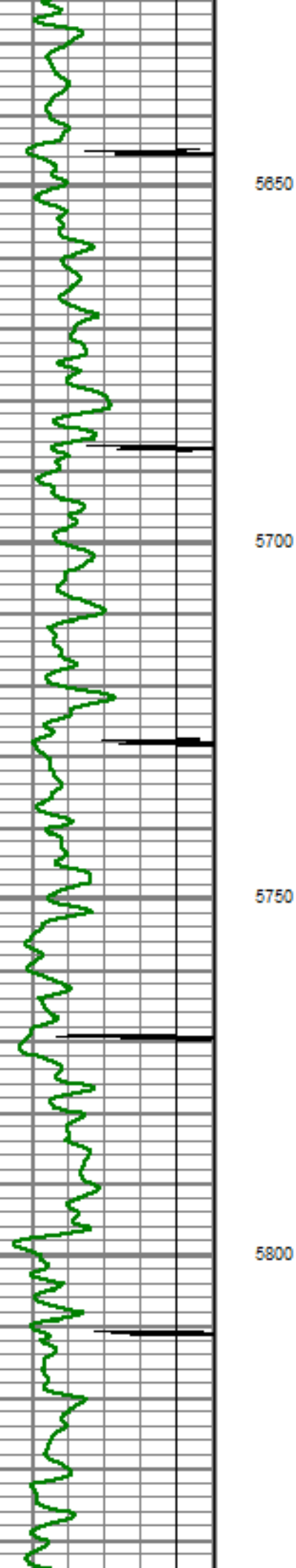
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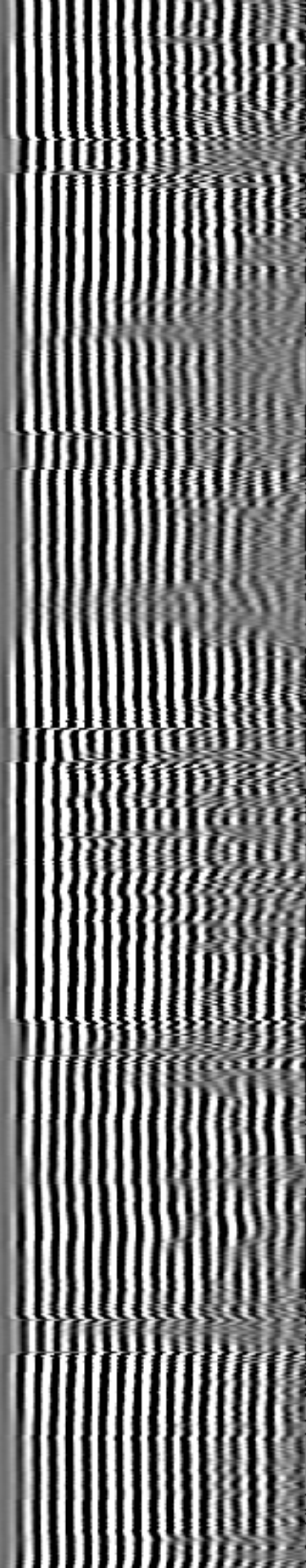
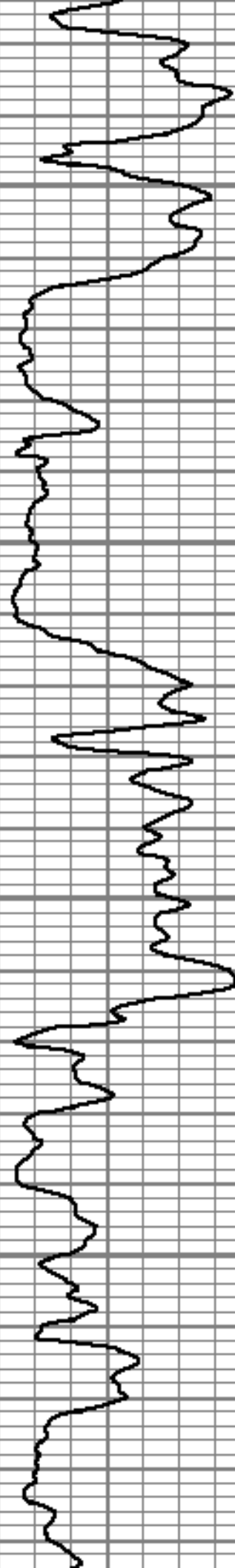


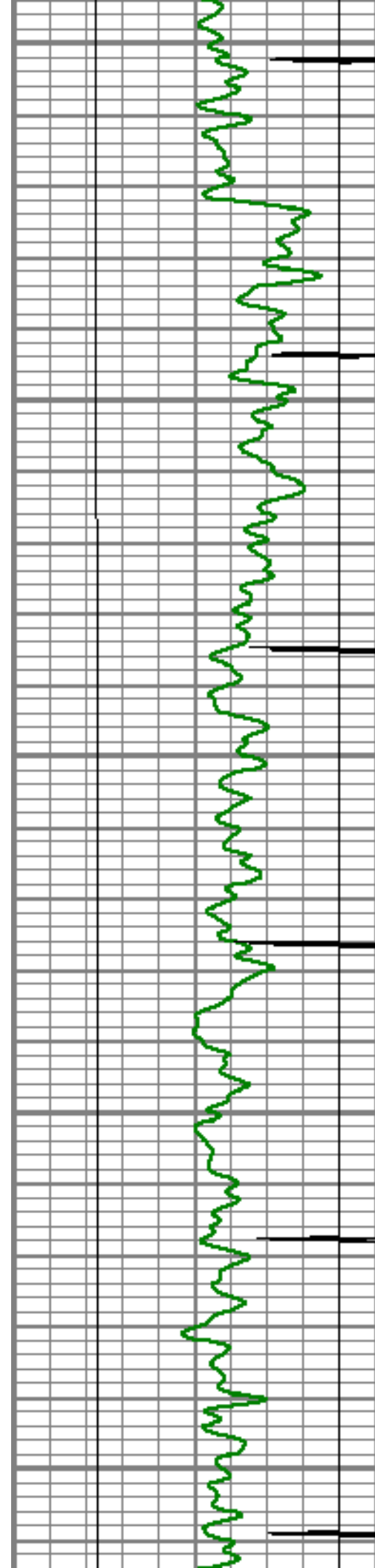
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5800





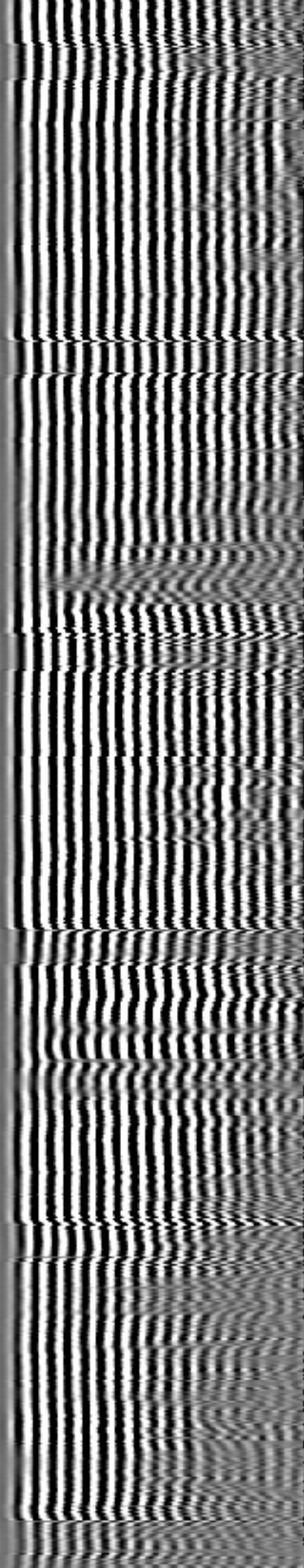
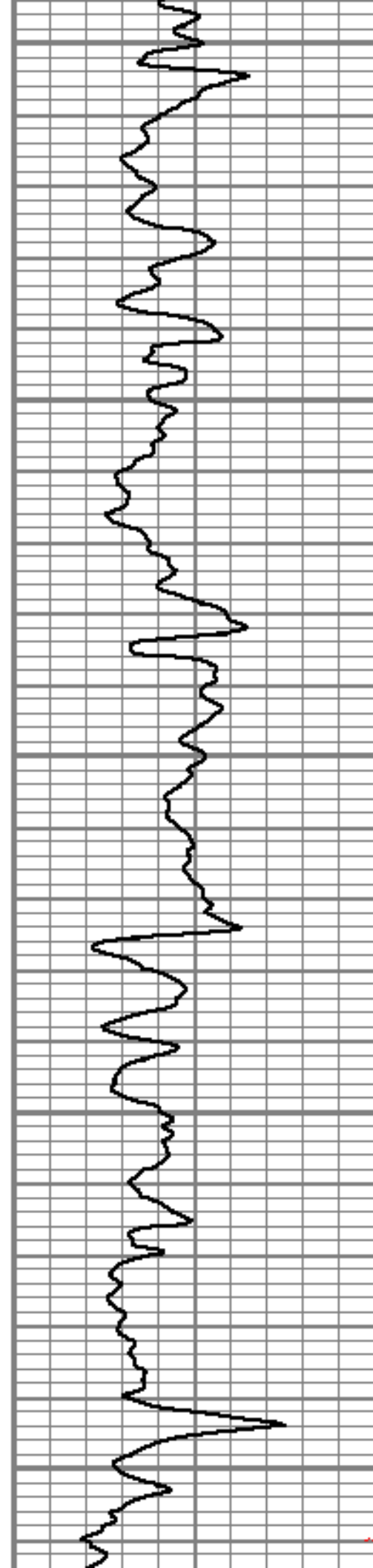
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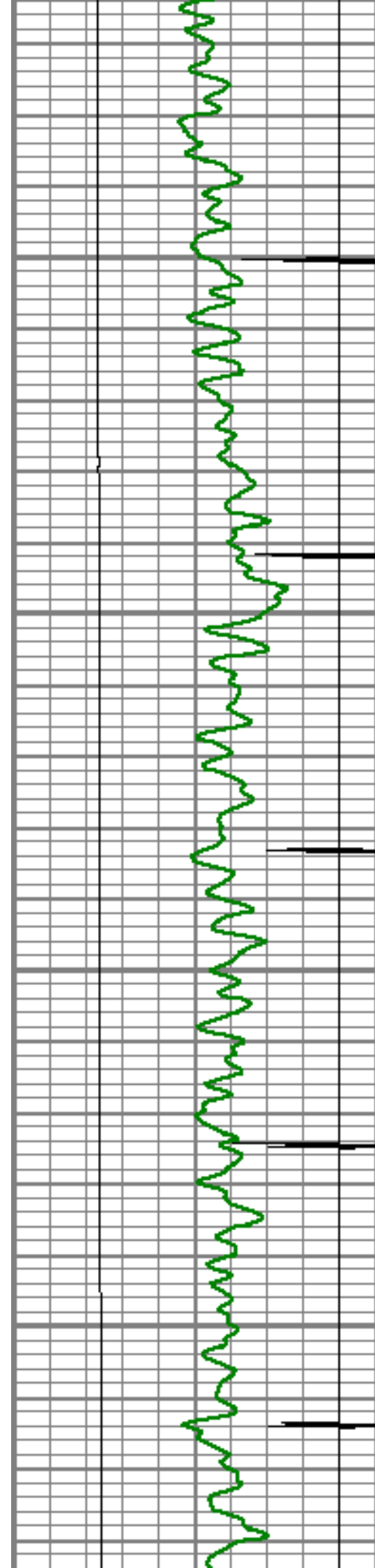
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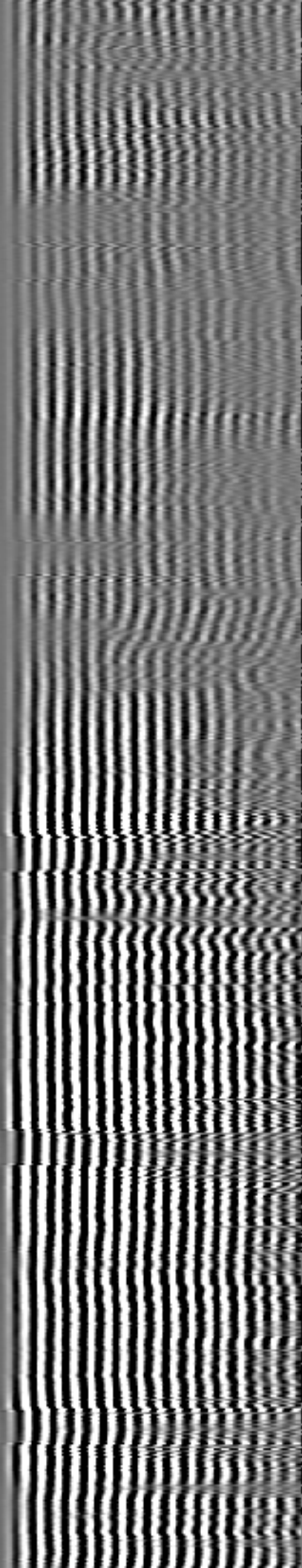
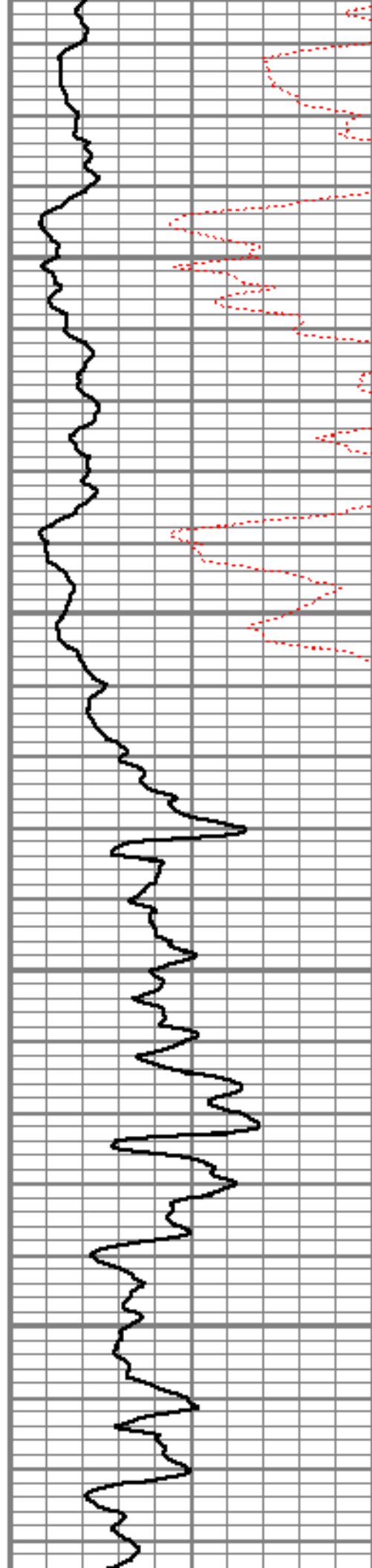


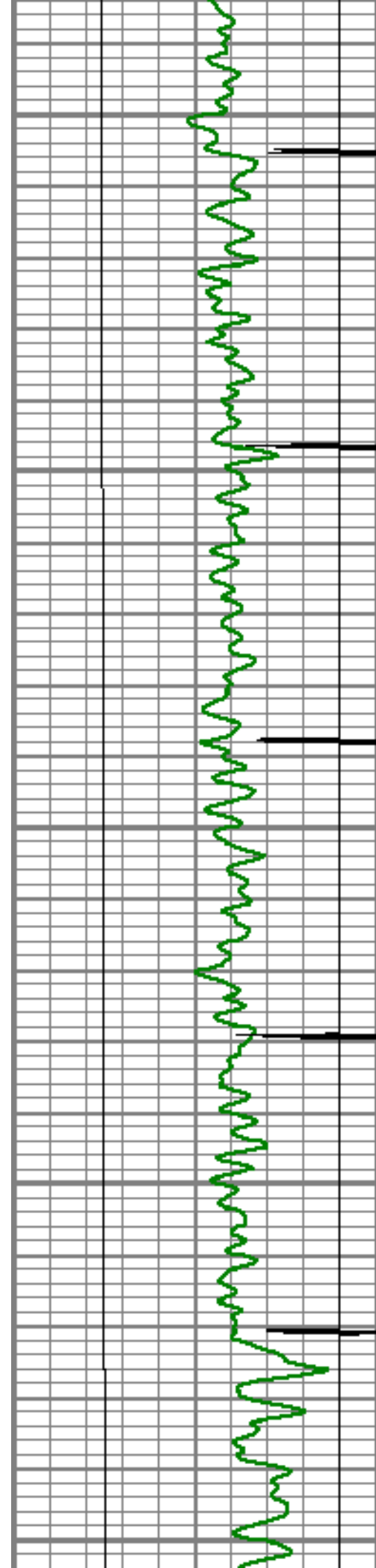
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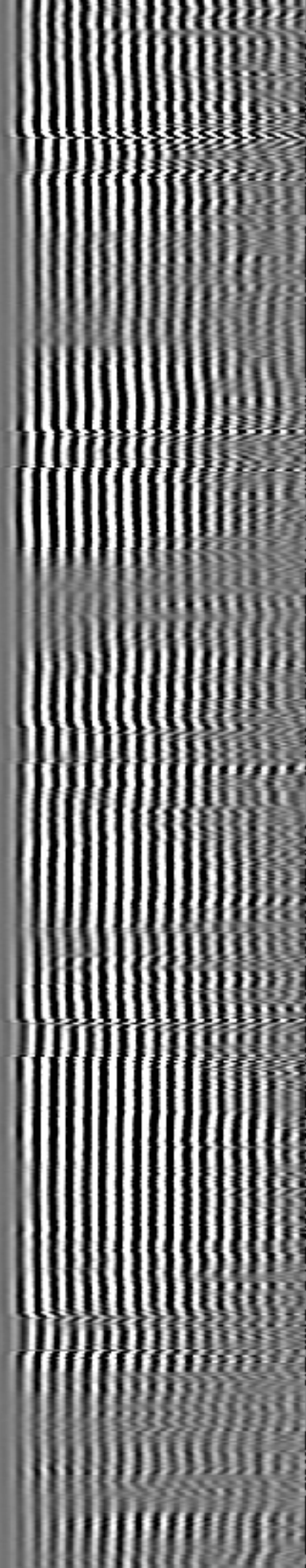
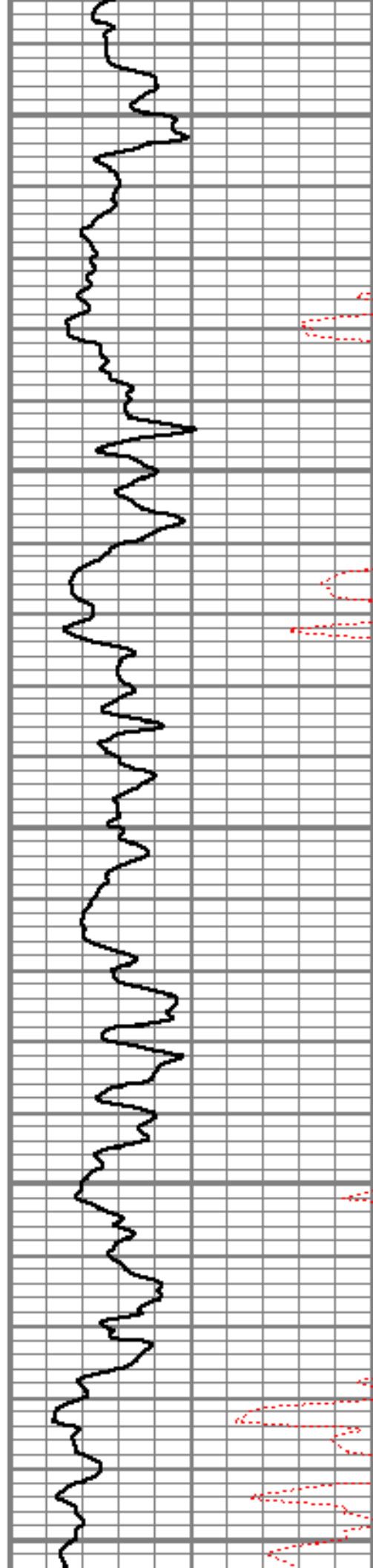
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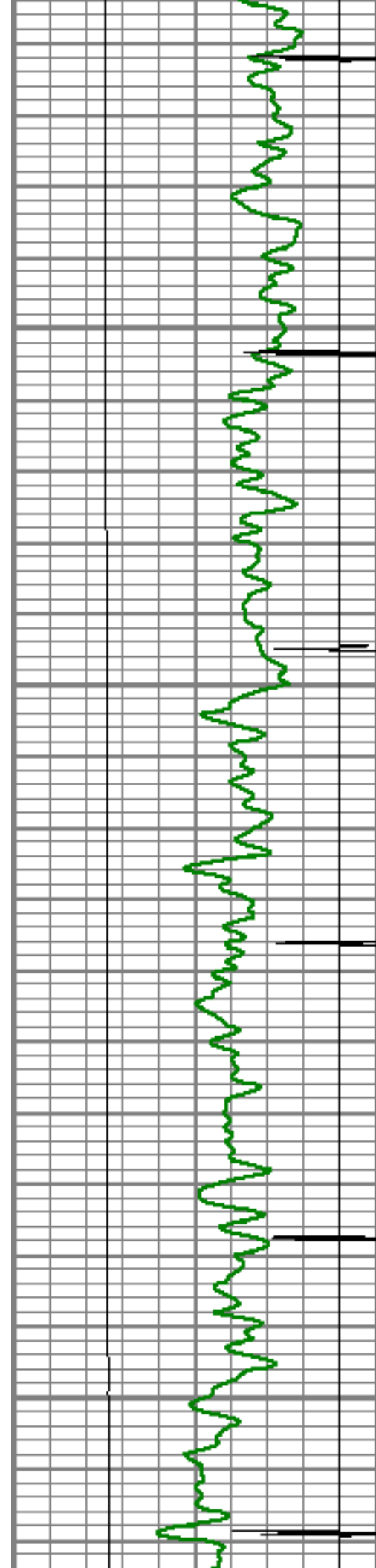
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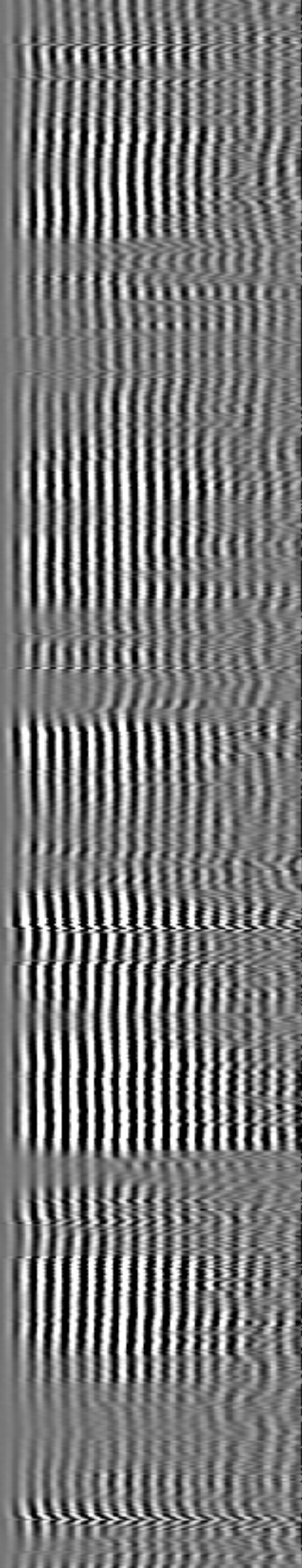
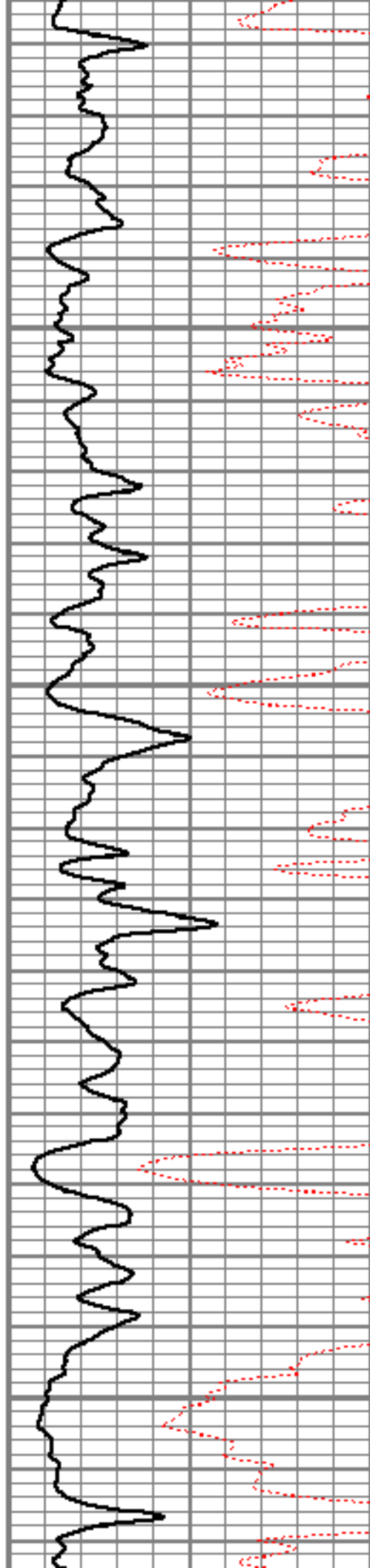


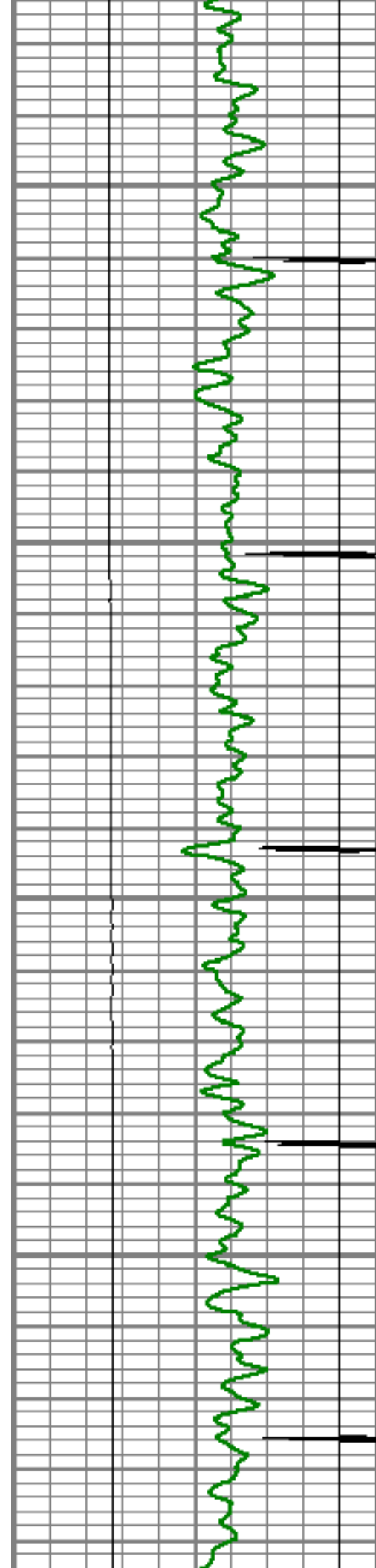
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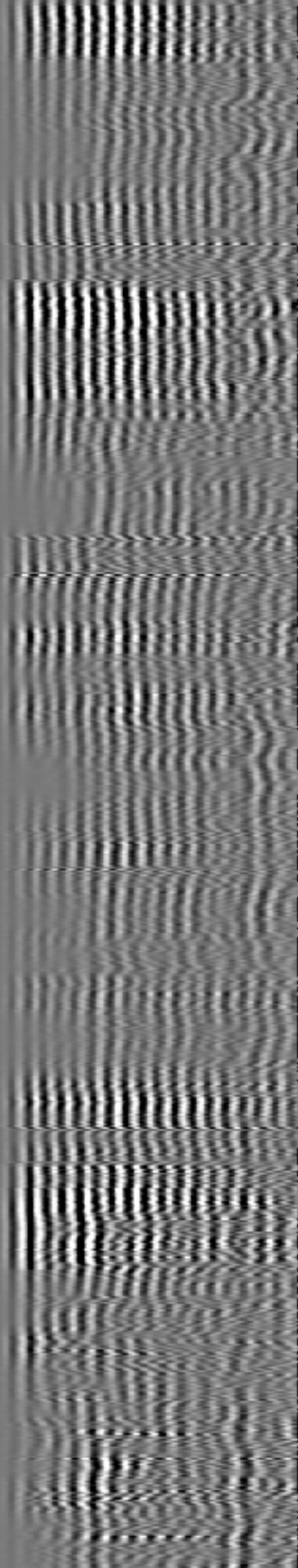
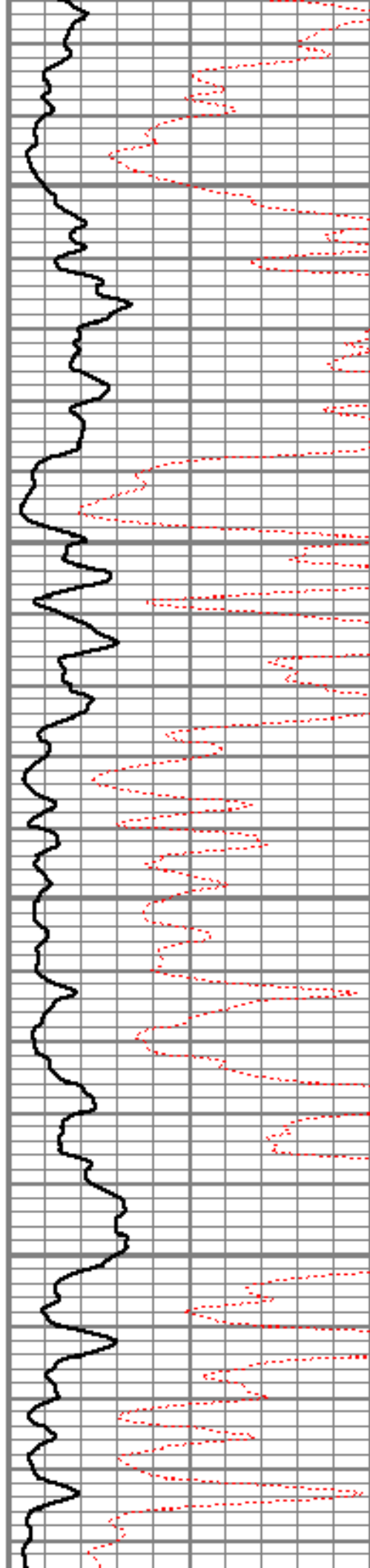


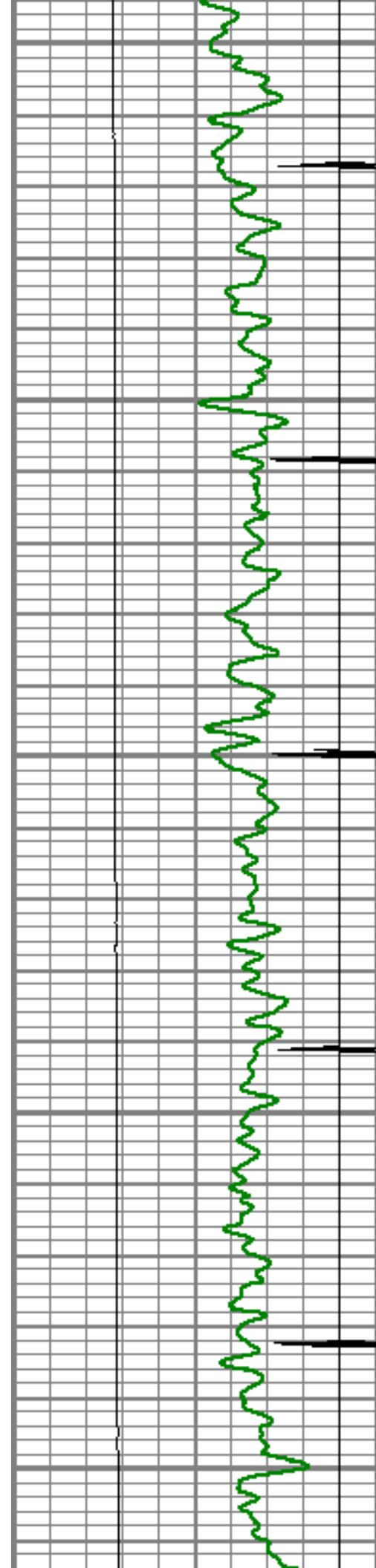
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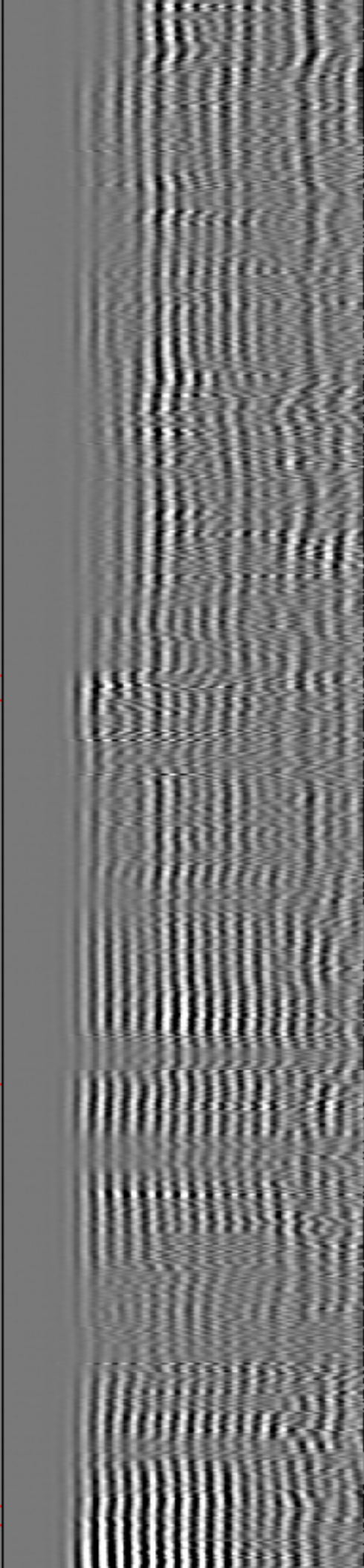
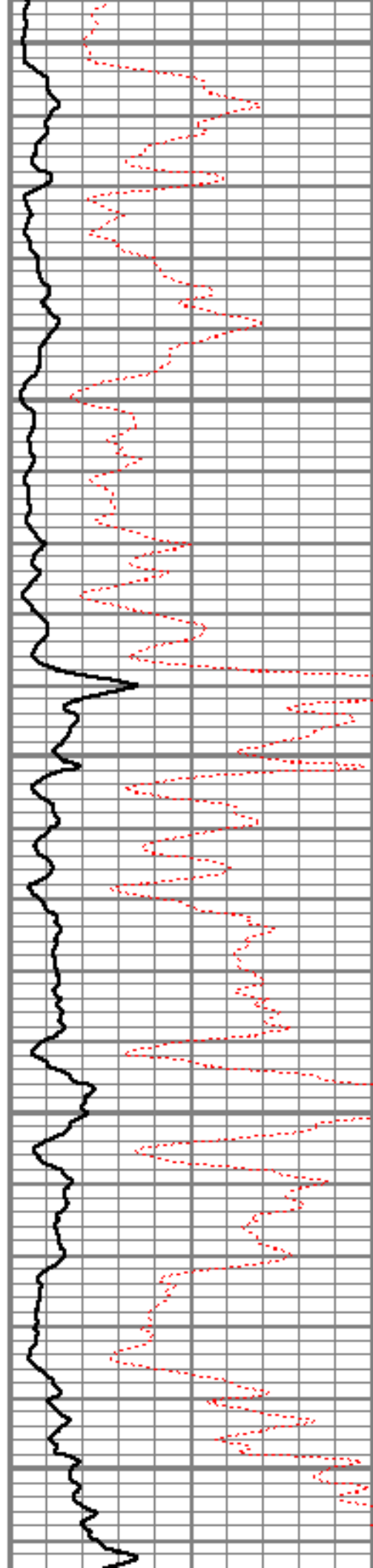
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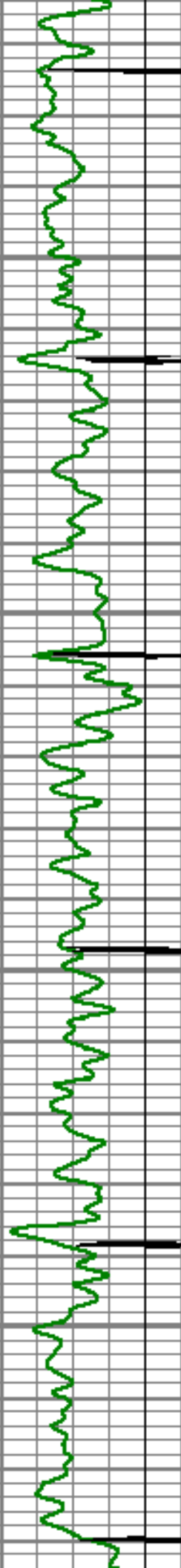
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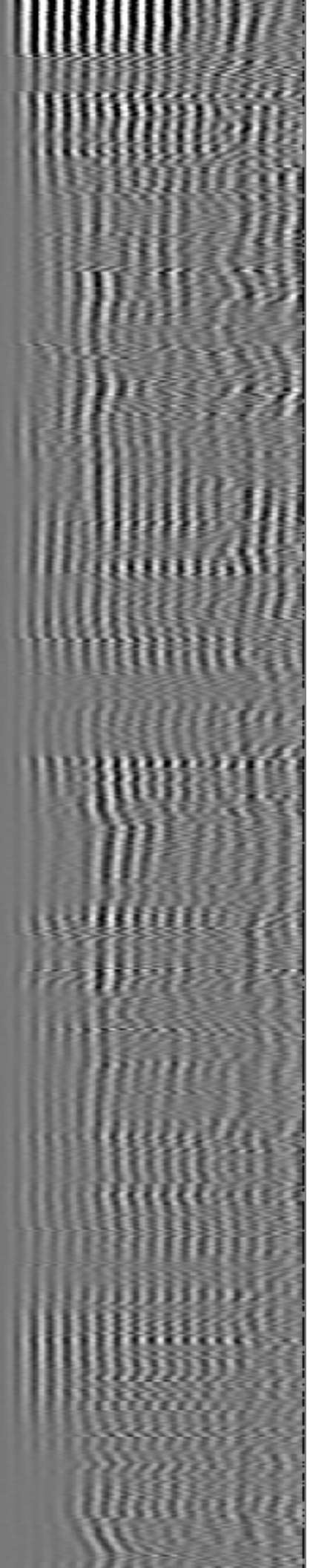
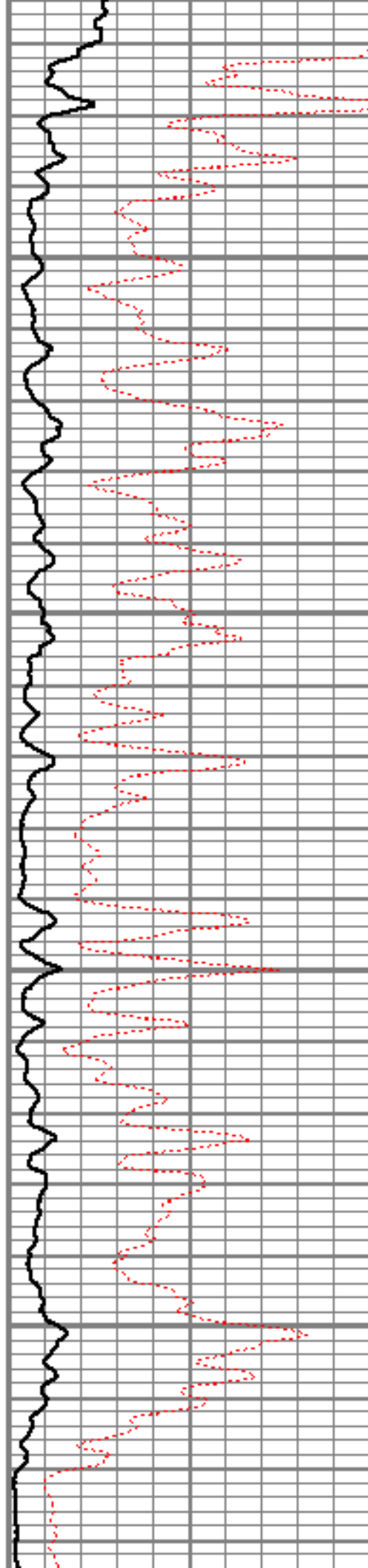


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7300

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SHORT JOINT

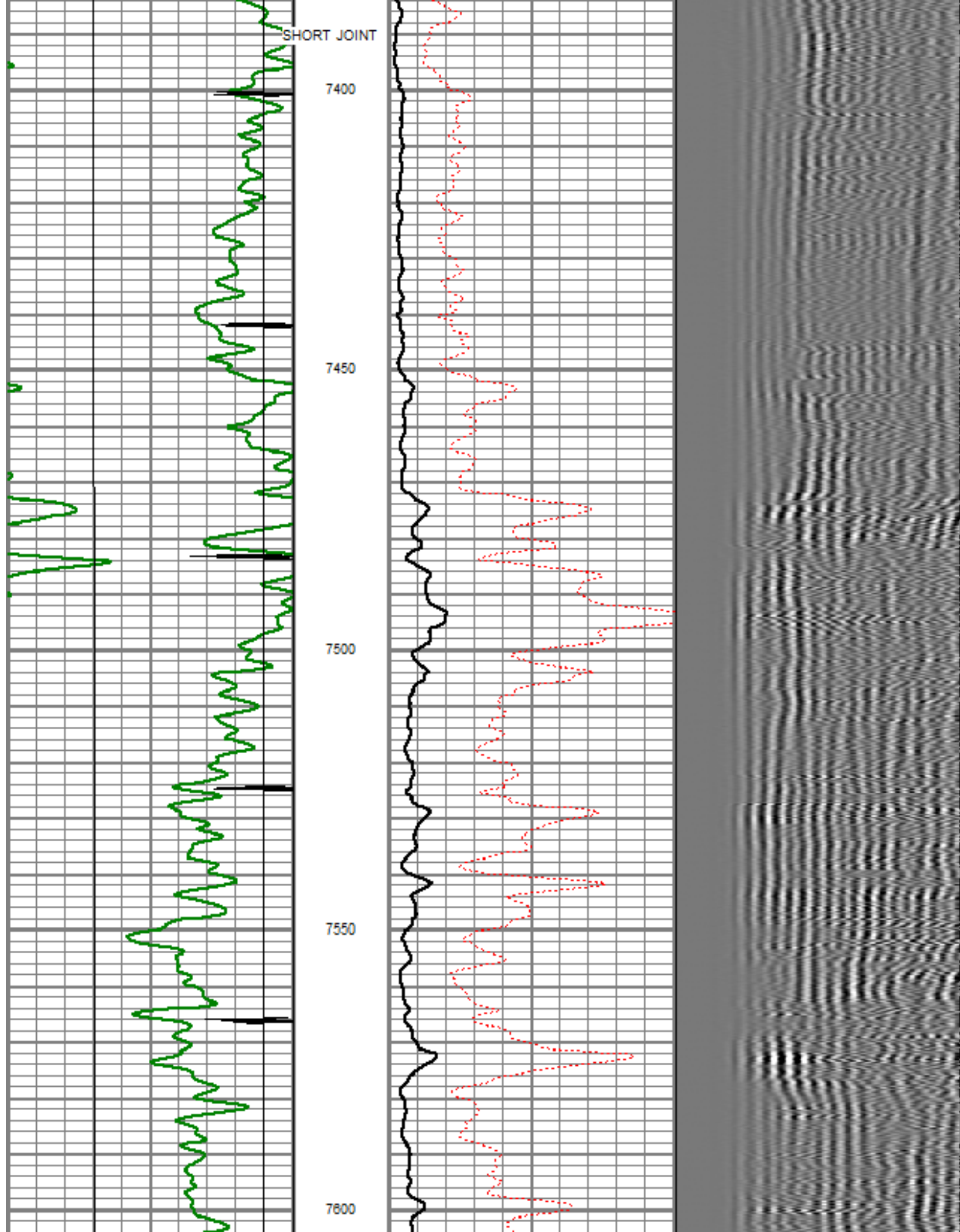
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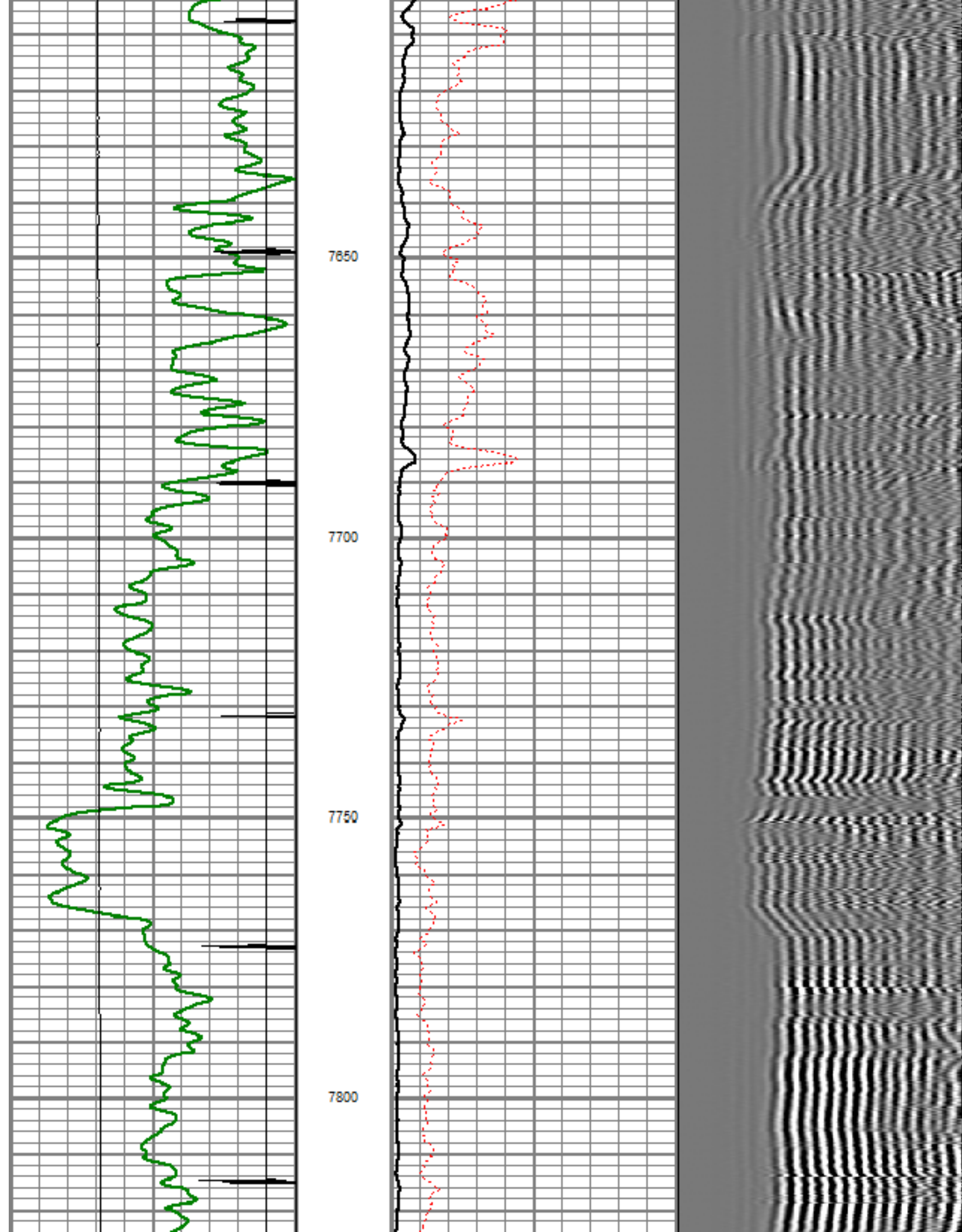
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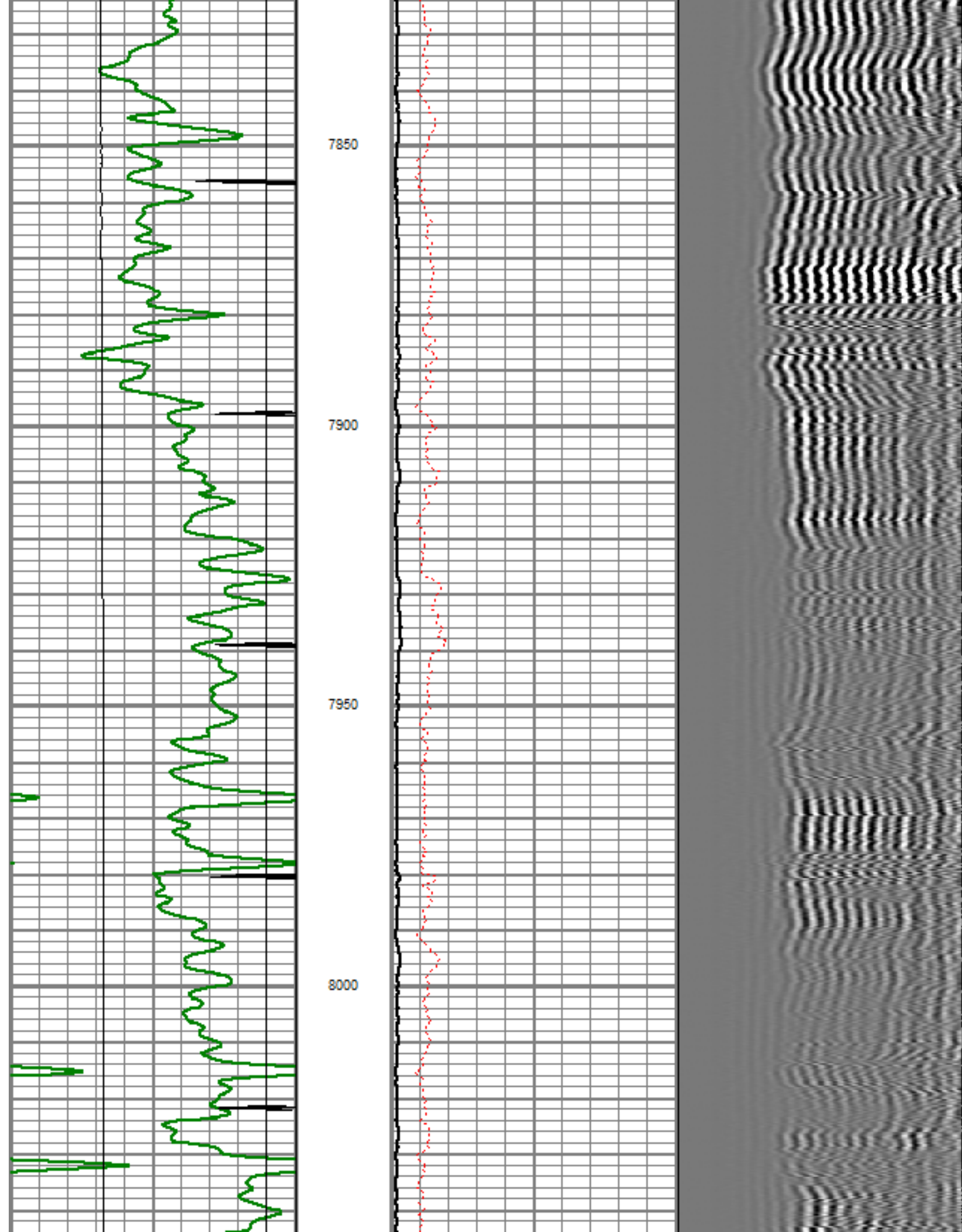
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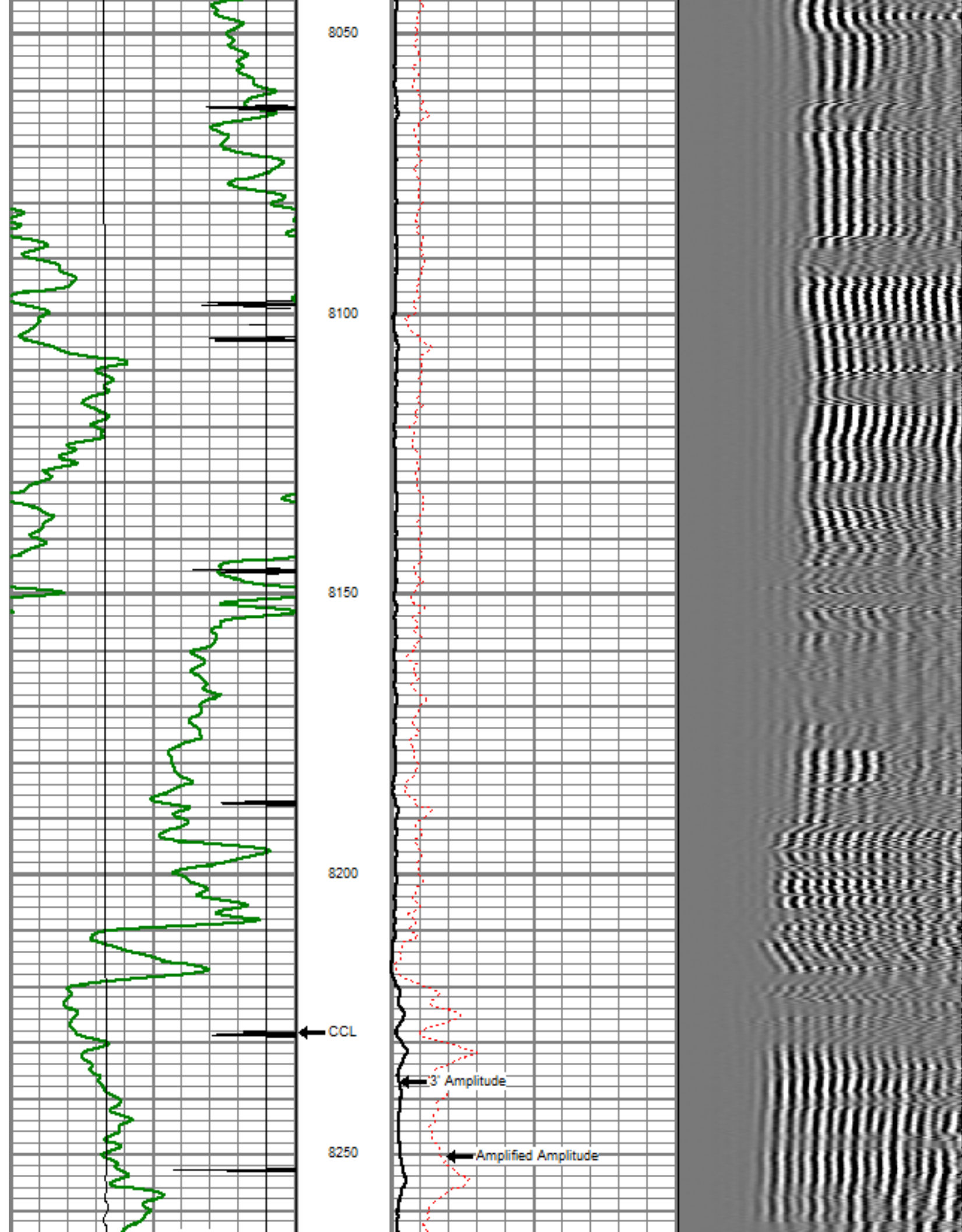
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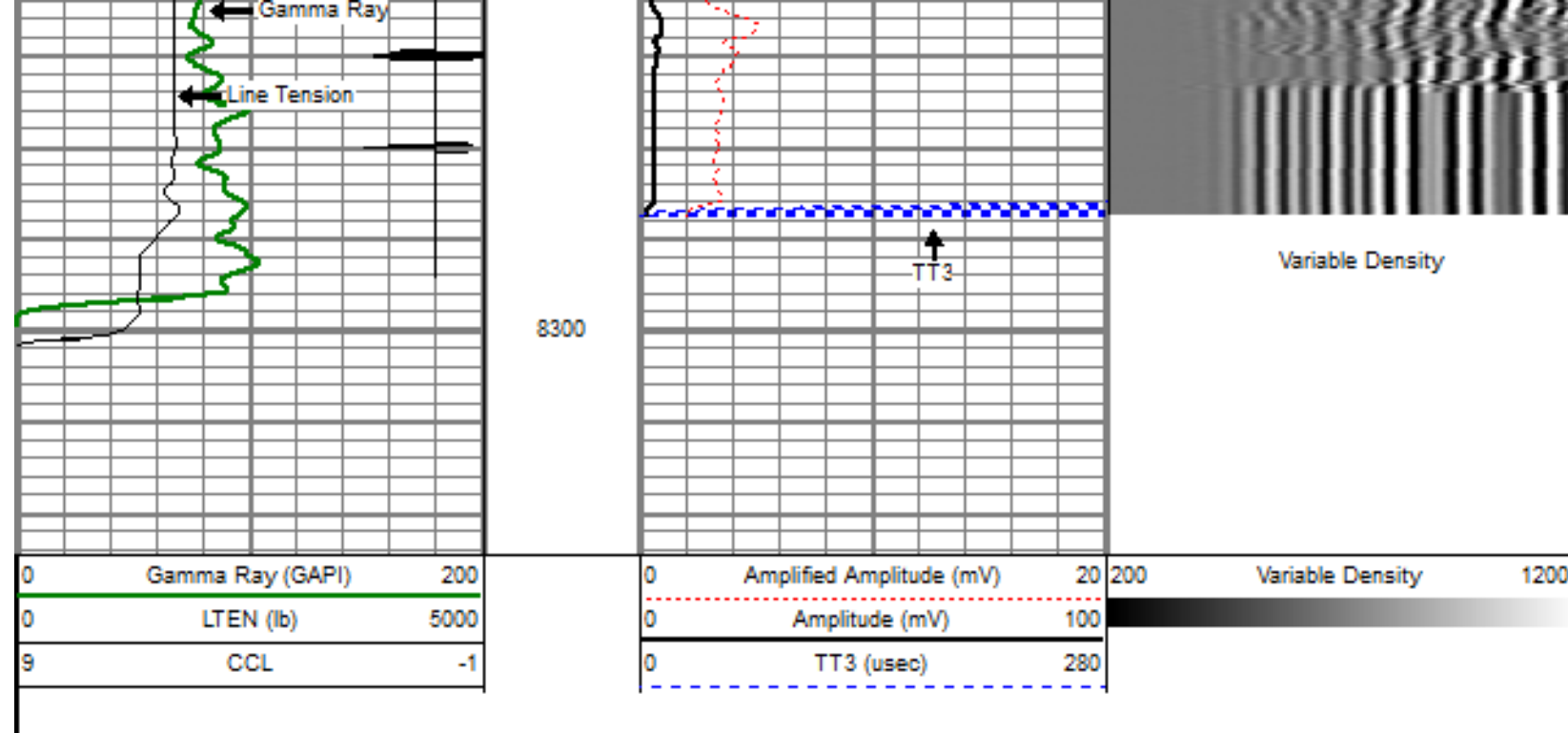
7600













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	2.88	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-PROBE_GRCCL (PRB_GRCCL_275_01'4.54 Probe 2.75" 4 Channel Pulse	2.75	30.00
GR	3.77		TEMP-Comprobe (TEMP_CMPRB_1375_0'2.88 Positive pulse Temp tool	1.38	15.00
TEMP	0.17				
Dataset: rasmussen 4-6-19.db: field/well/run1/pass8 Total Length: 22.98 ft Total Weight: 126.50 lb O.D. 2.75 in					

	Company	ENCANA OIL & GAS (USA) INC.
	Well	RASMUSSEN 4-6-19
	Field	WATTENBERG
	County	WELD
	State	COLORADO