



CEMENT BOND
LOG

Mesa Wireline

Company	ENCANA OIL & GAS (USA) INC		
Well	ARISTOCRAT ANGUS 2-4		
Field	WATTENBERG		
County	WELD		
State	COLORADO		
Company ENCANA OIL & GAS (USA) INC		Well ARISTOCRAT ANGUS 2-4	
Field WATTENBERG		County WELD State COLORADO	
Location:		API #: 05-123-34039-0000	
NW/4NW		LAT: 40.259930	
SEC: 4		LONG: -104.675120	
TWP: 3N		RGE: 65W	
Permanent Datum		GROUND LEVEL Elevation 4842'	
Log Measured From		KELLY BUSHING = 13'	
Drilling Measured From KELLY BUSHING		Elevation	
		K.B. 4855'	
		D.F. 4854'	
		G.L. 4842'	

Date	30 NOVEMBER 2012									
Run Number	ONE									
Depth Driller	7531'									
Depth Logger	7505'									
Bottom Logged Interval	7505'									
Top Log Interval	3000'									
Open Hole Size	7.875"									
Type Fluid	WATER									
Density / Viscosity	~8.3#									
Max. Recorded Temp.	285 DEG F									
Estimated Cement Top	3285'									
Time Well Ready	N/A									
Time Logger on Bottom	N/A									
Equipment Number	10501 PRD01									
Location	AULT, CO									
Recorded By	Z. EMICK									
Witnessed By	K. REDD									
Borehole Record			Tubing Record							
Run Number	Bit	From	To	Size	Weight	From	To			
ONE	12.25"	0'	640'							
TWO	7.875"	640'	7550'							
Casing Record	Size	Wgt/Ft	Top	Bottom						
Surface String	8.625"	24#	0'	633'						
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 NOT CORRELATED TO ANY OTHER LOG

SHORT JOINT: 6952' - 6973'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, AULT CO. (970) 834-2495



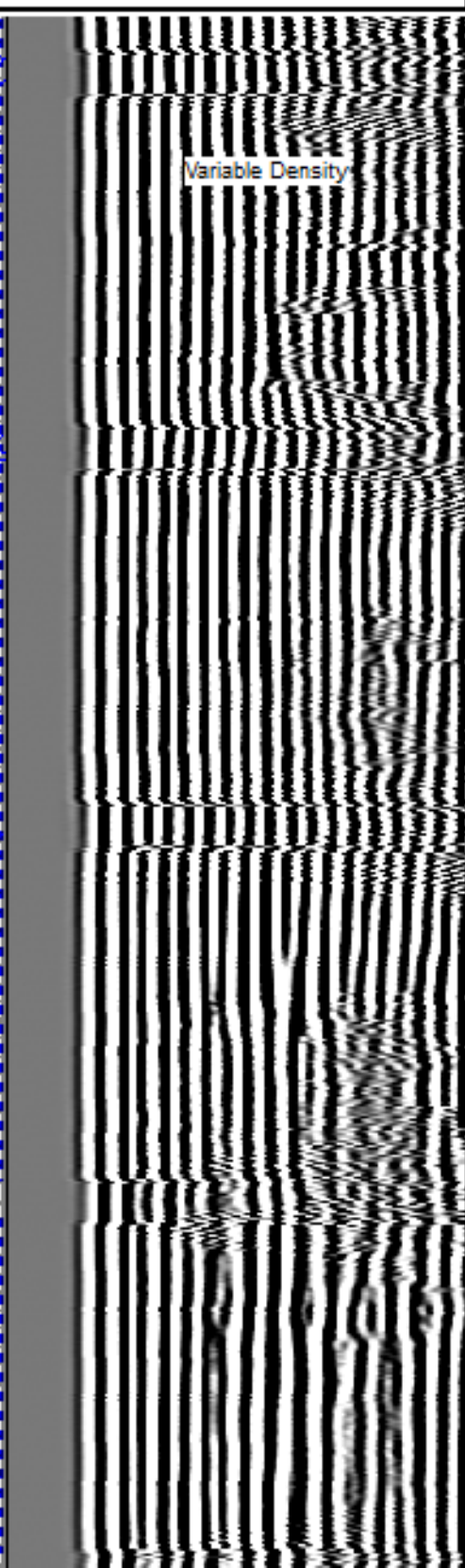
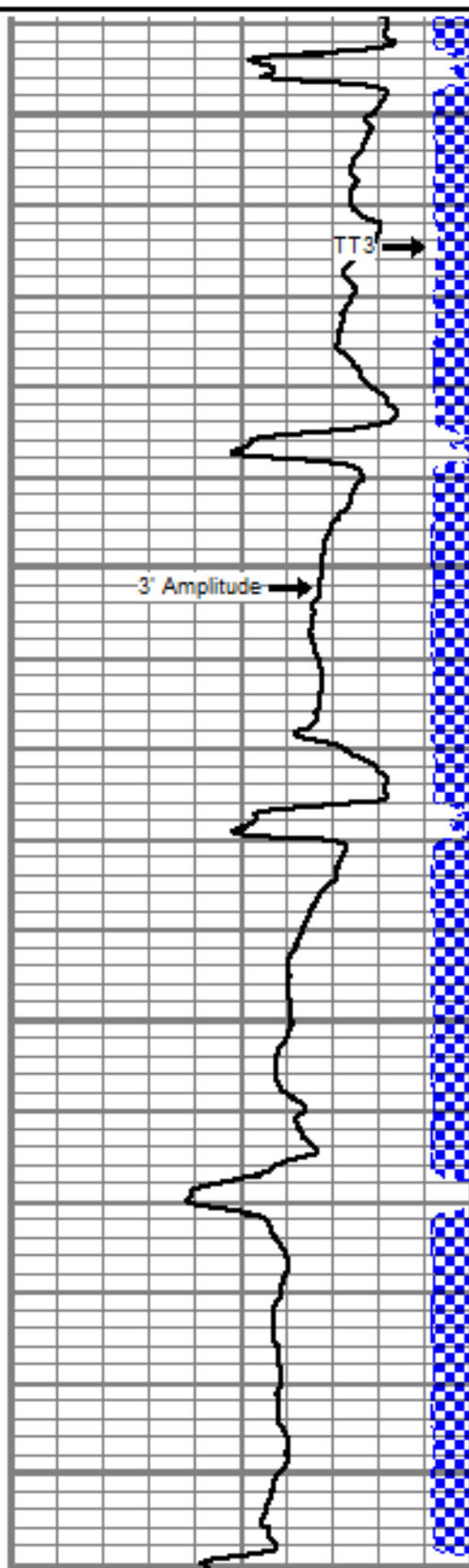
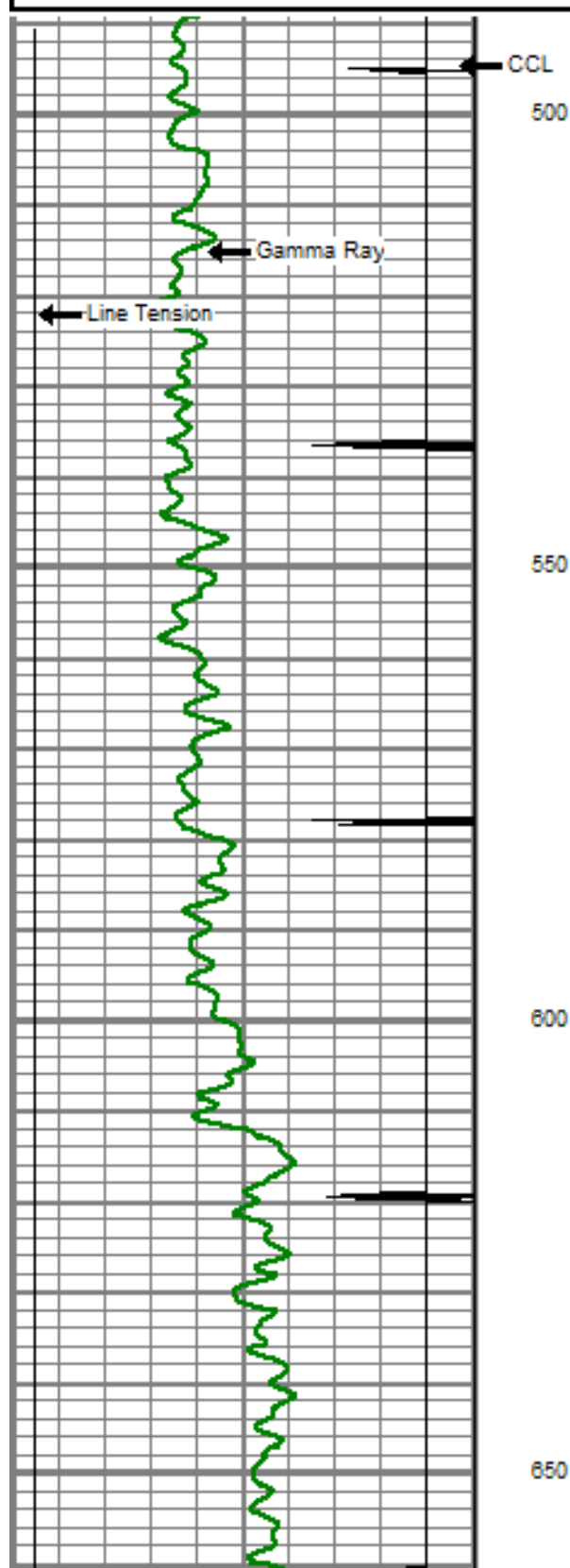
TOP PASS

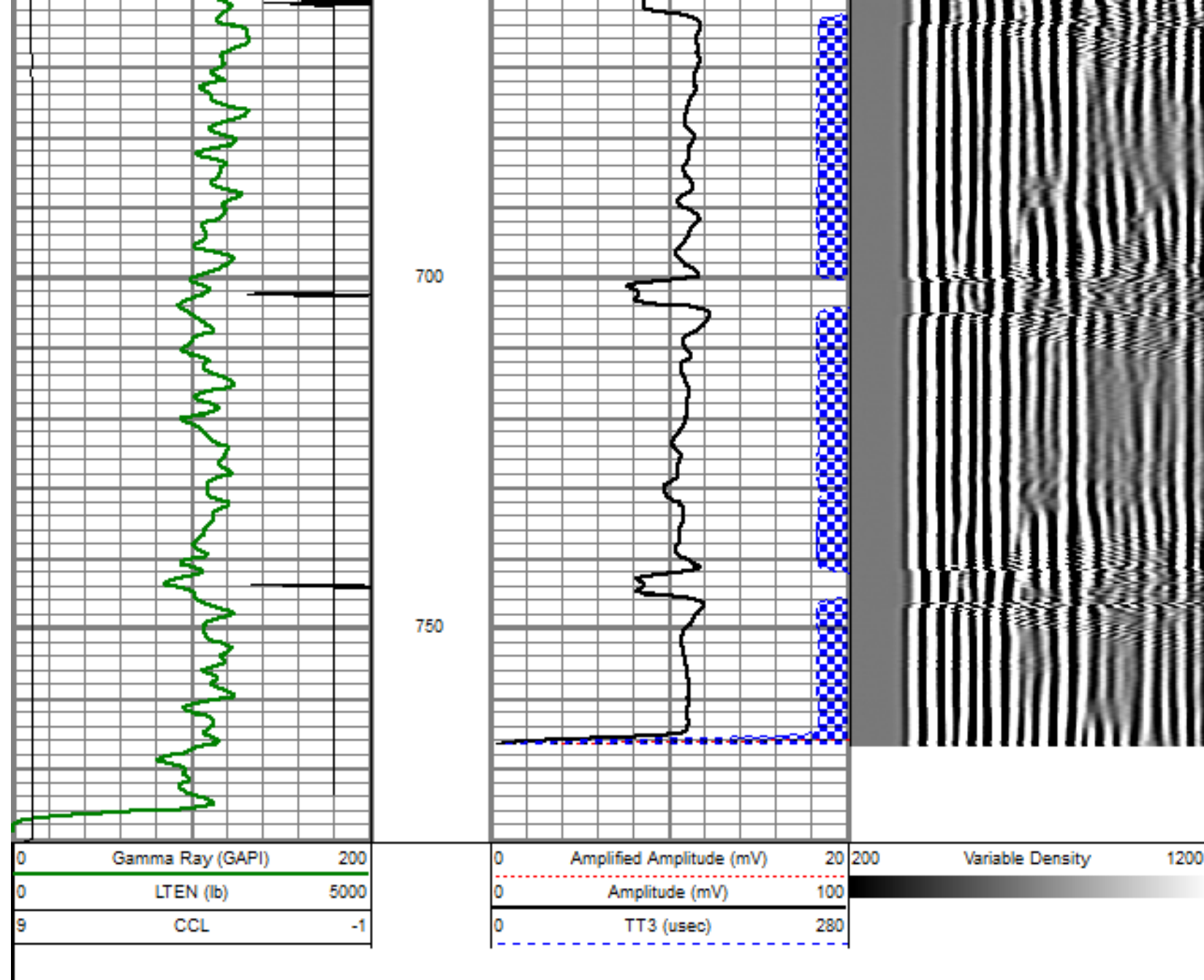
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Dataset Pathname: pass6.2
Presentation Format: dobl_prb
Dataset Creation: Fri Nov 30 10:07:15 2012 by Calc SCH 110930
Charted by: Depth in Feet scaled 1:240

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

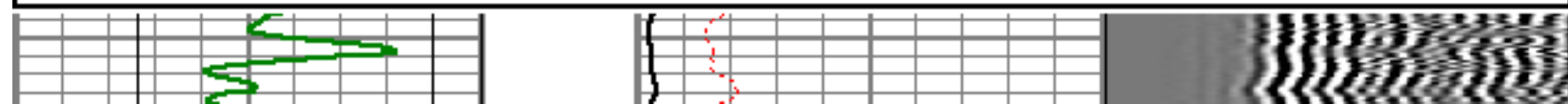
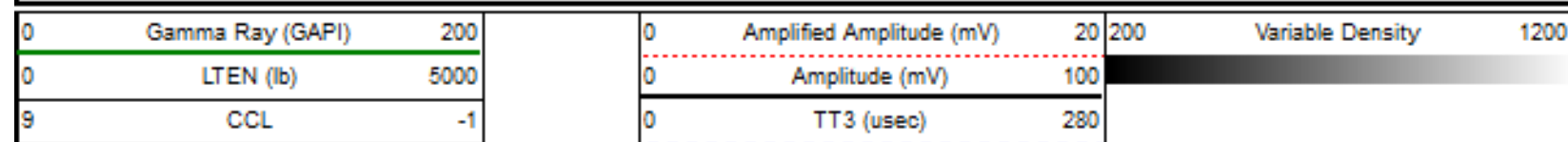


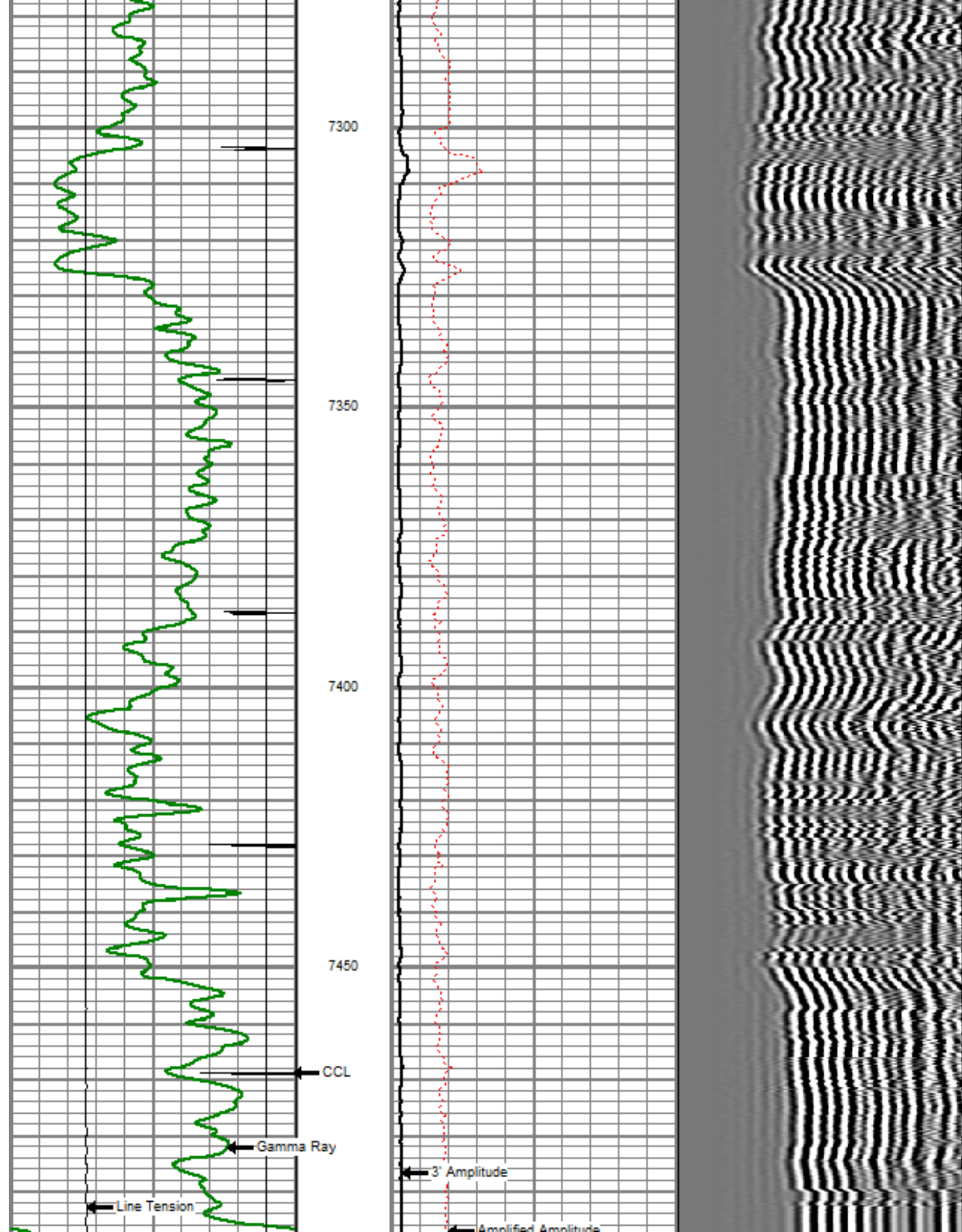


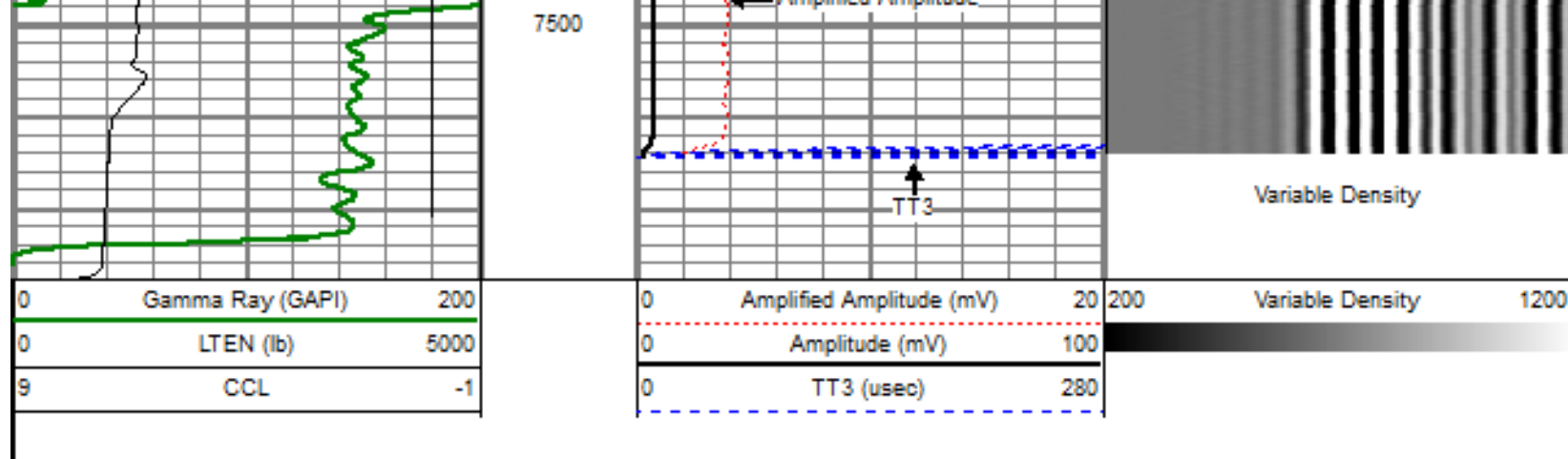
REPEAT PASS

5" = 100'

Database File: aristocrat angus 2-4.db
 Dataset Pathname: pass3
 Presentation Format: dobl_prb
 Dataset Creation: Fri Nov 30 08:38:40 2012 by Log SCH 110930
 Charted by: Depth in Feet scaled 1:240



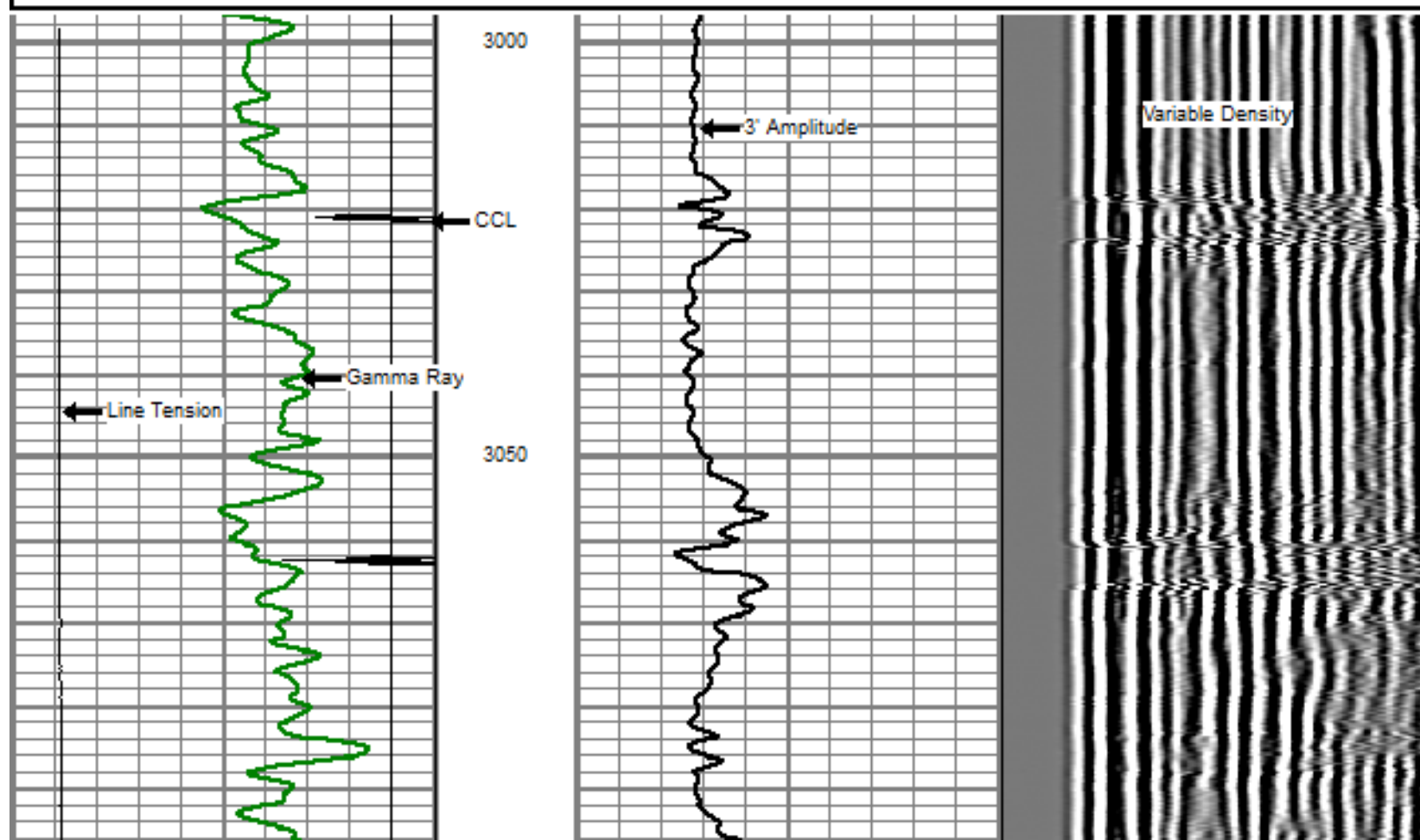
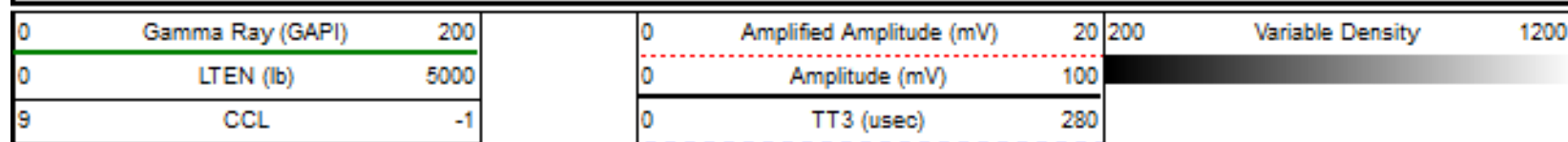


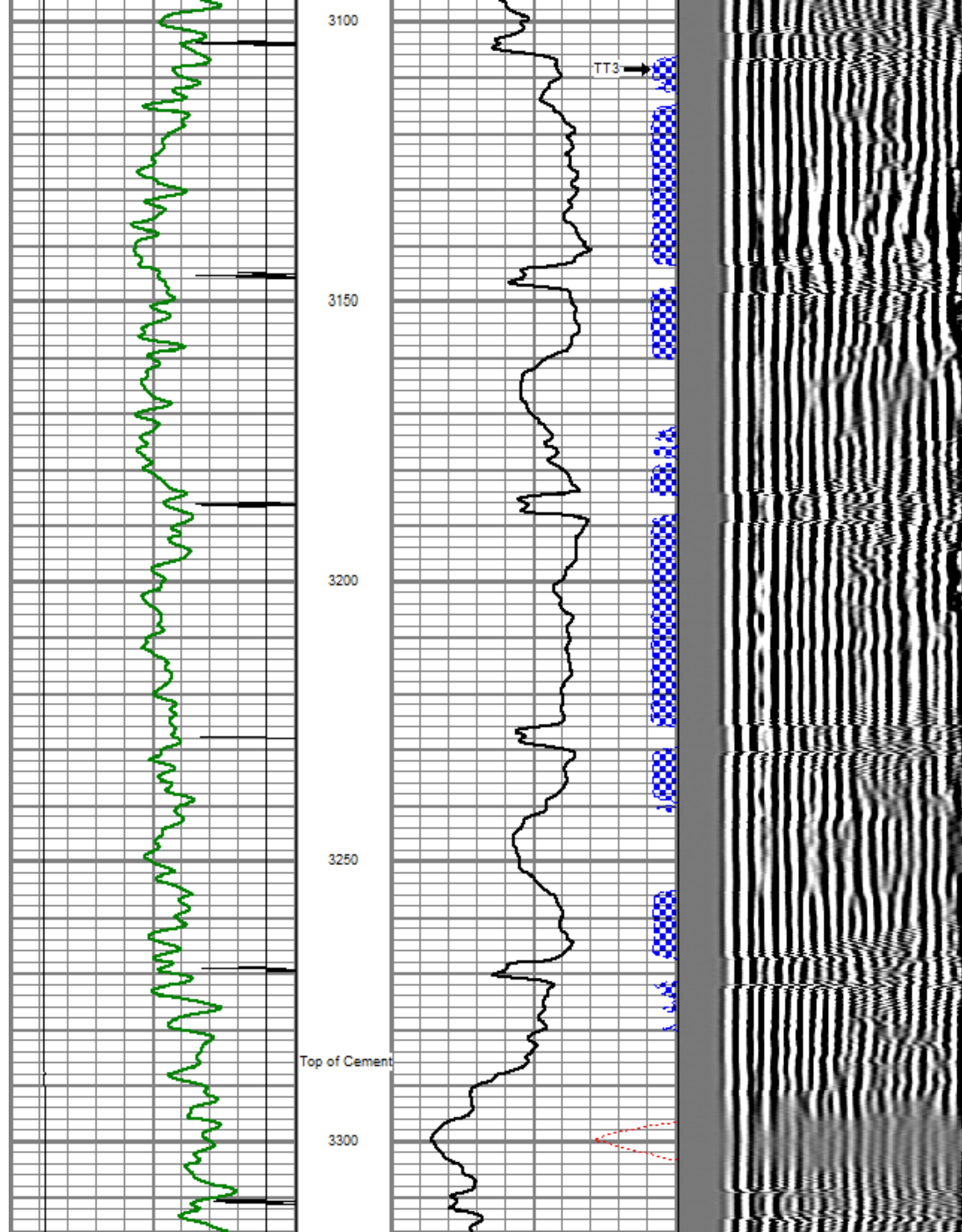


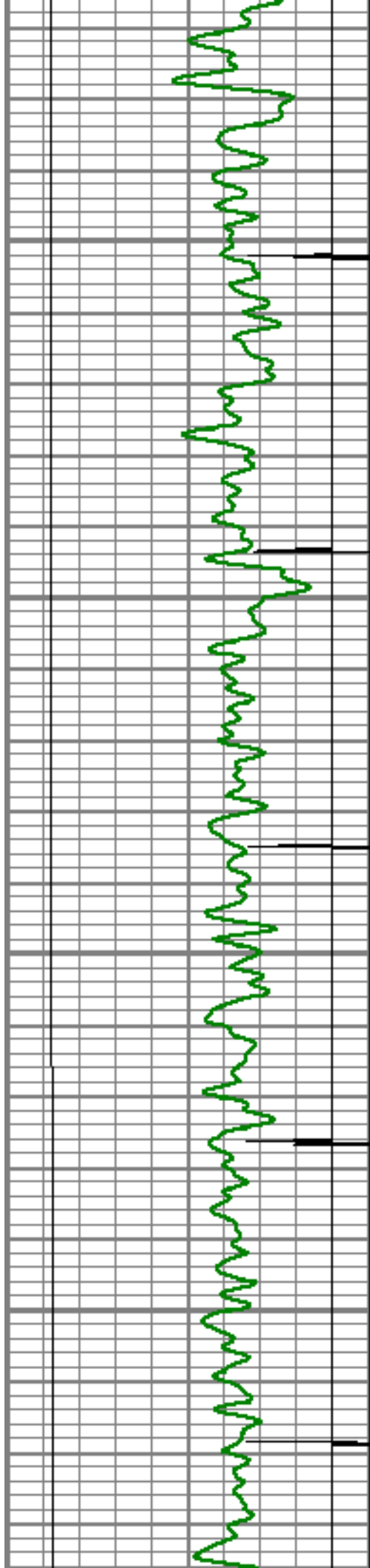
MAIN PASS

5" = 100'

Database File: aristocrat angus 2-4.db
 Dataset Pathname: pass5
 Presentation Format: dobl_prb
 Dataset Creation: Fri Nov 30 08:47:43 2012 by Log SCH 110930
 Charted by: Depth in Feet scaled 1:240





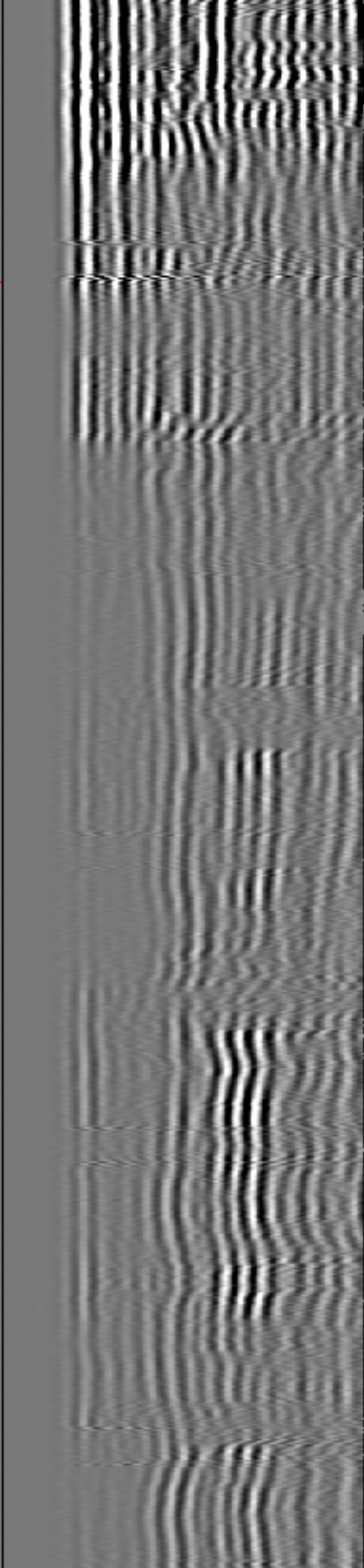
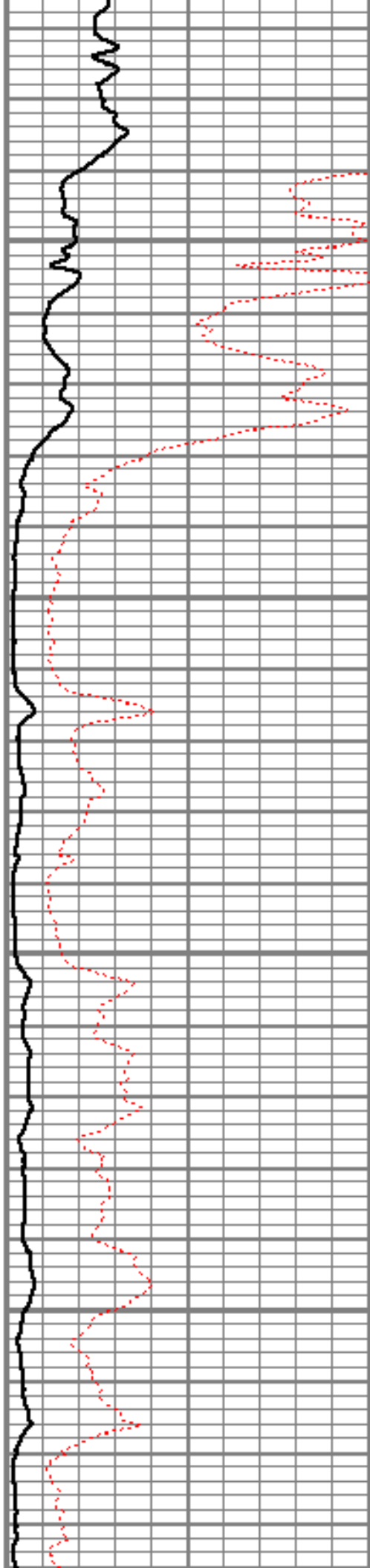


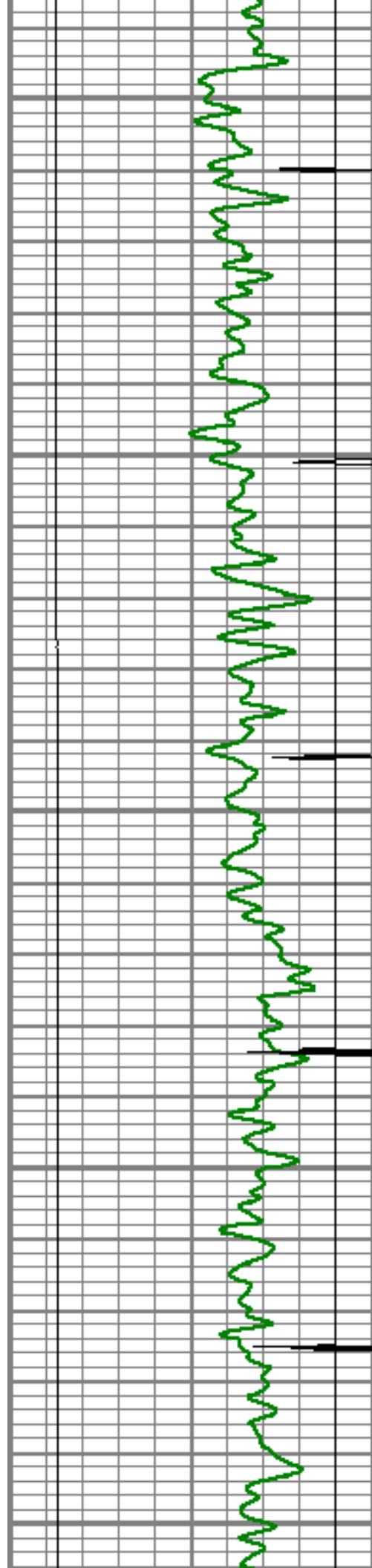
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3400

3450

3500





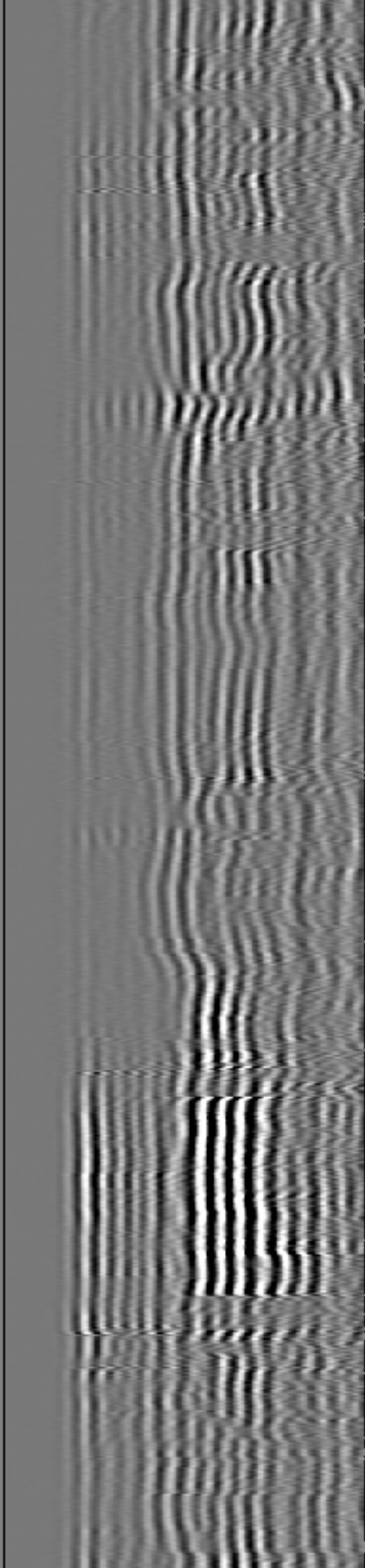
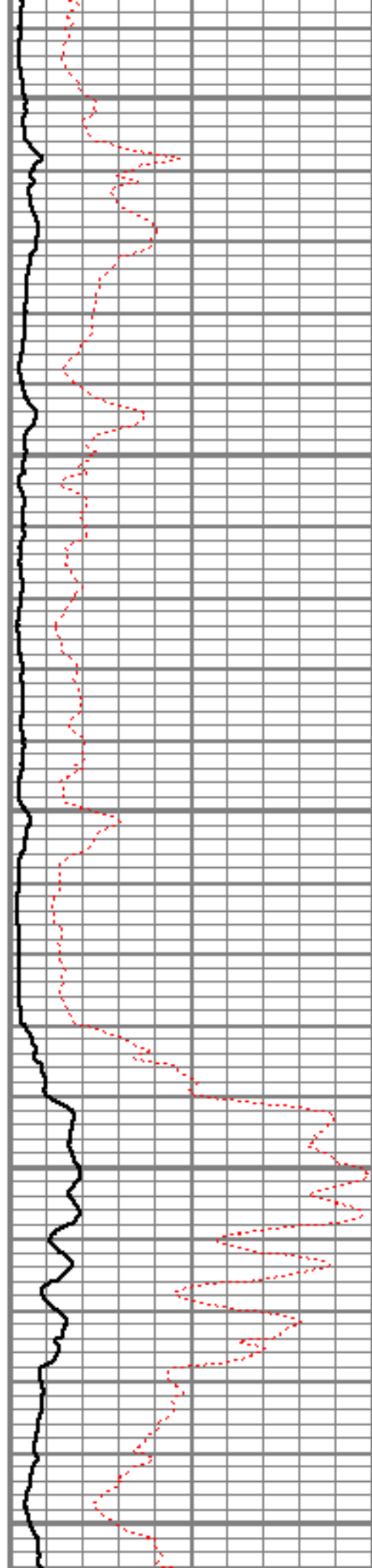
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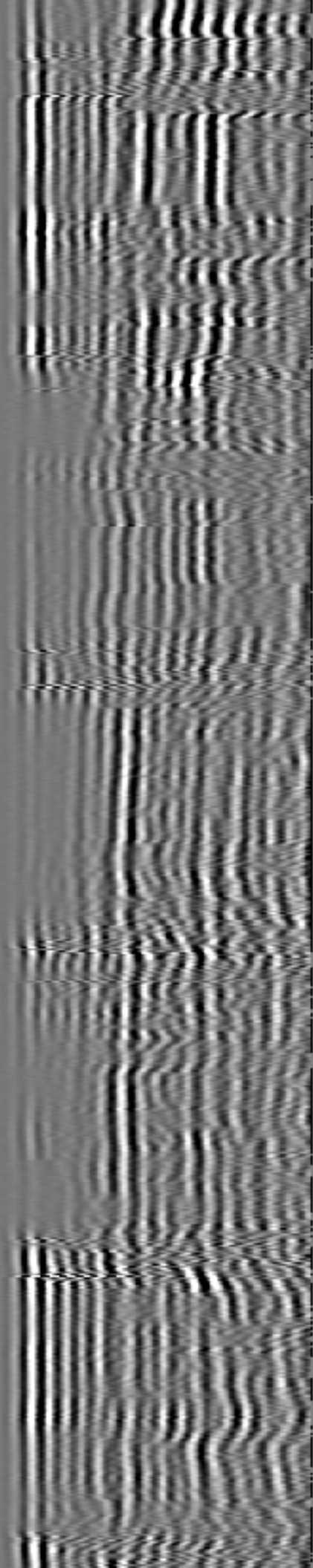
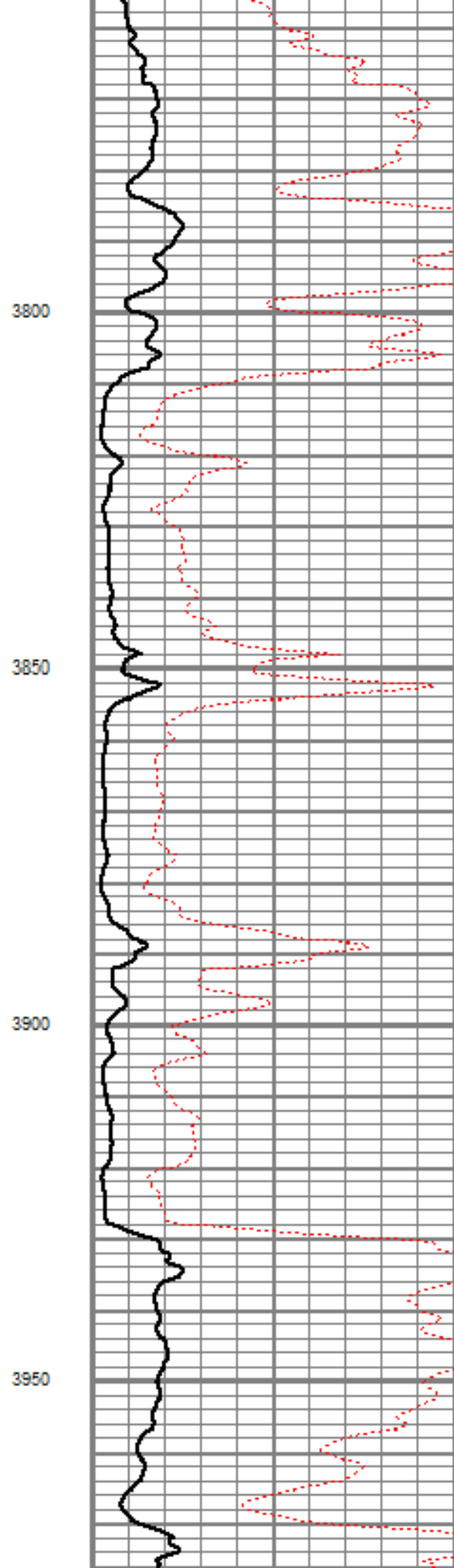
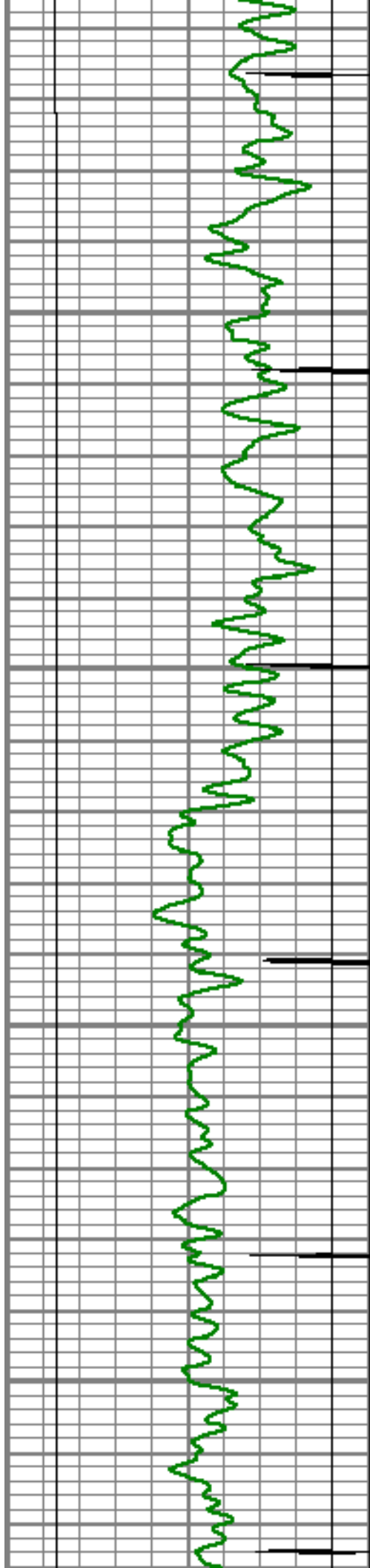
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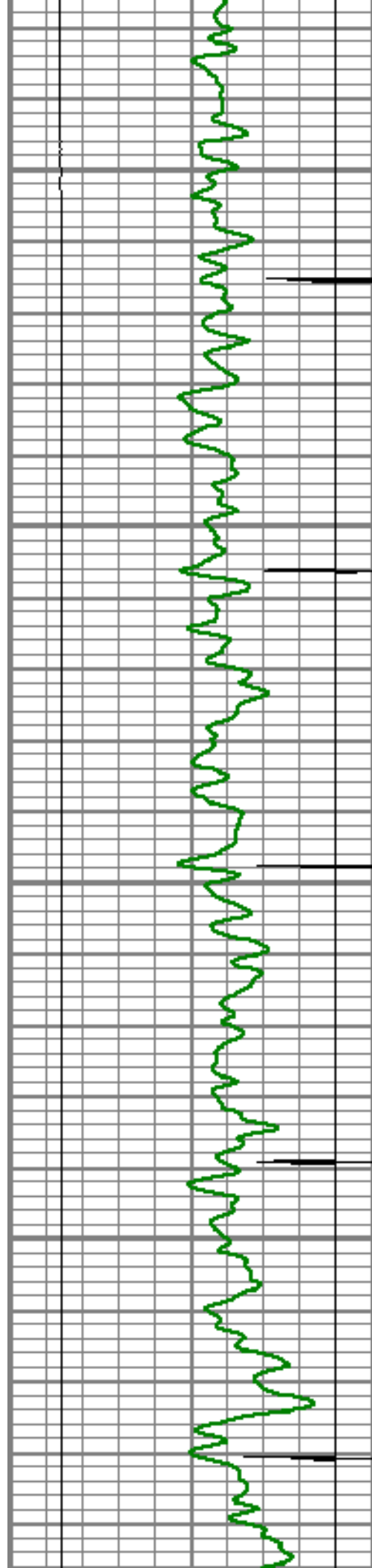
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3750





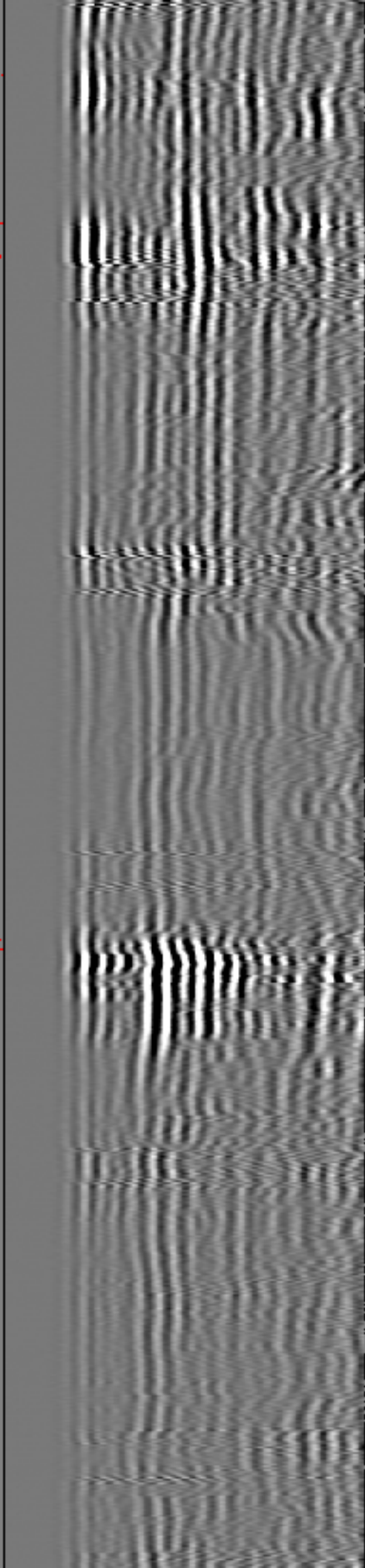
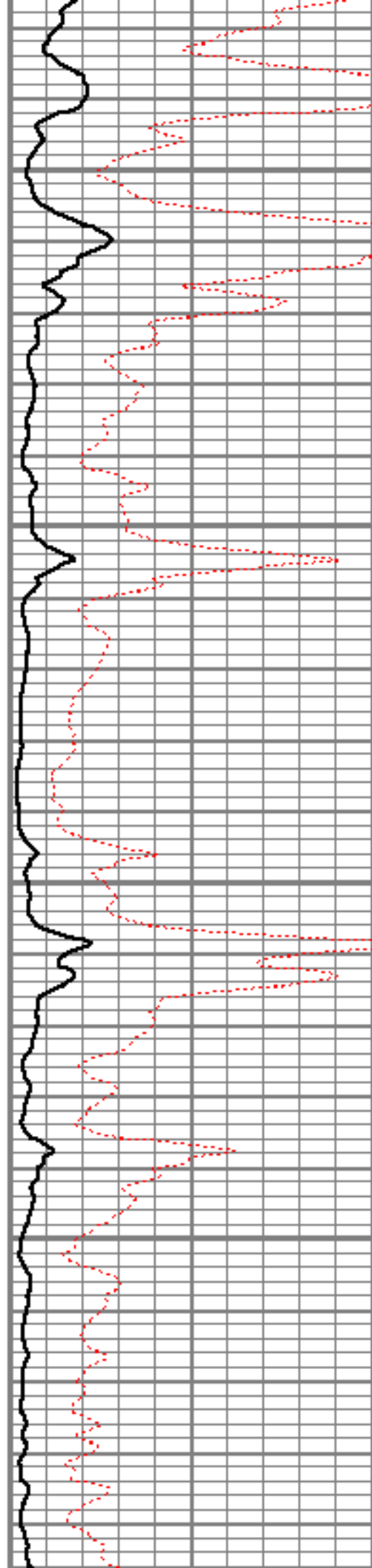


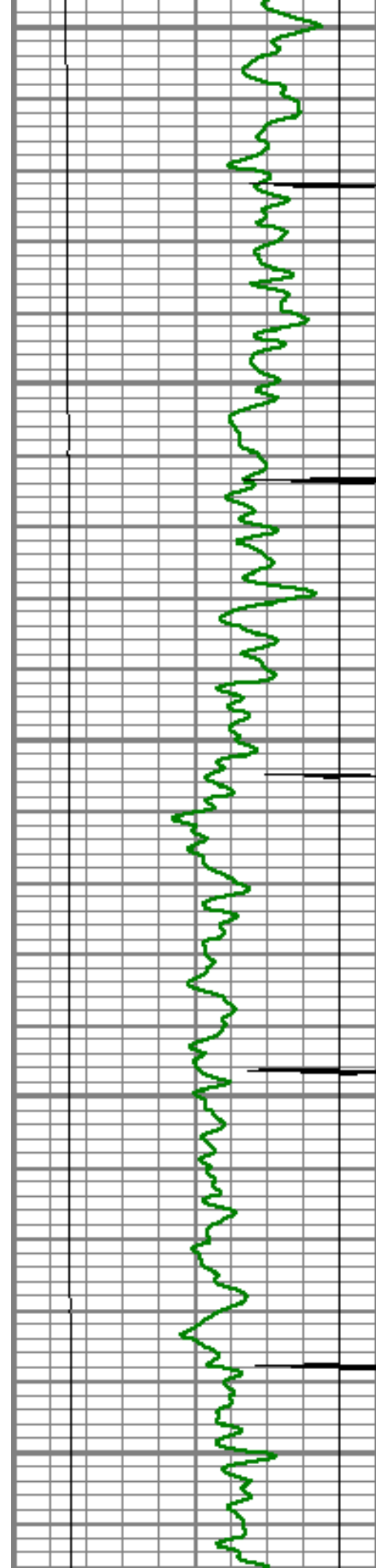
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4100

4150





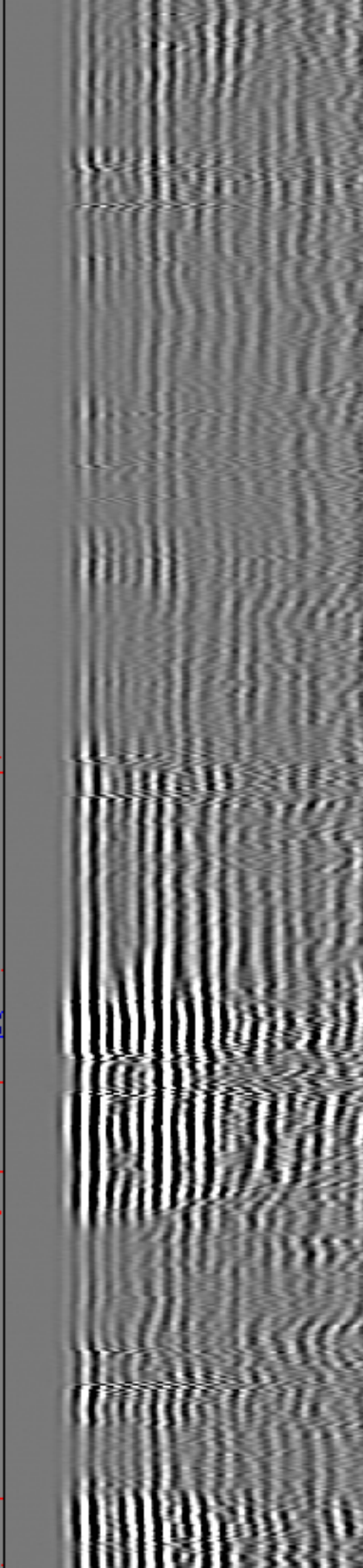
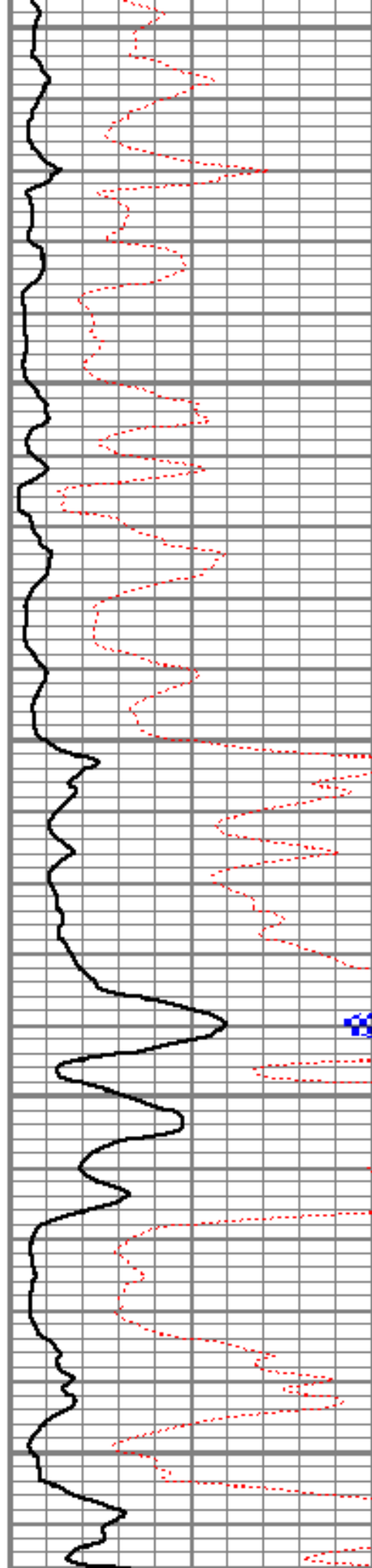
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4250

4300

4350

4400



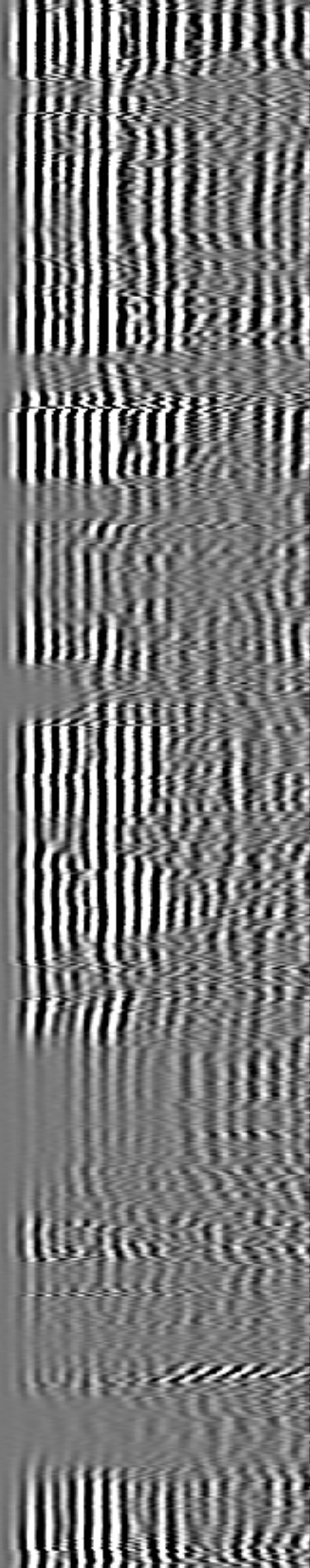
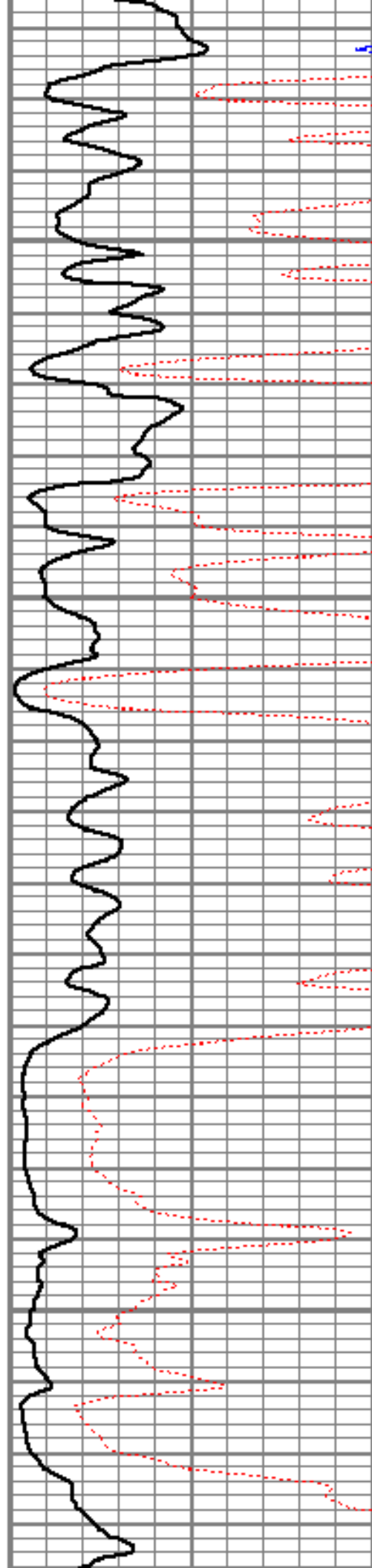


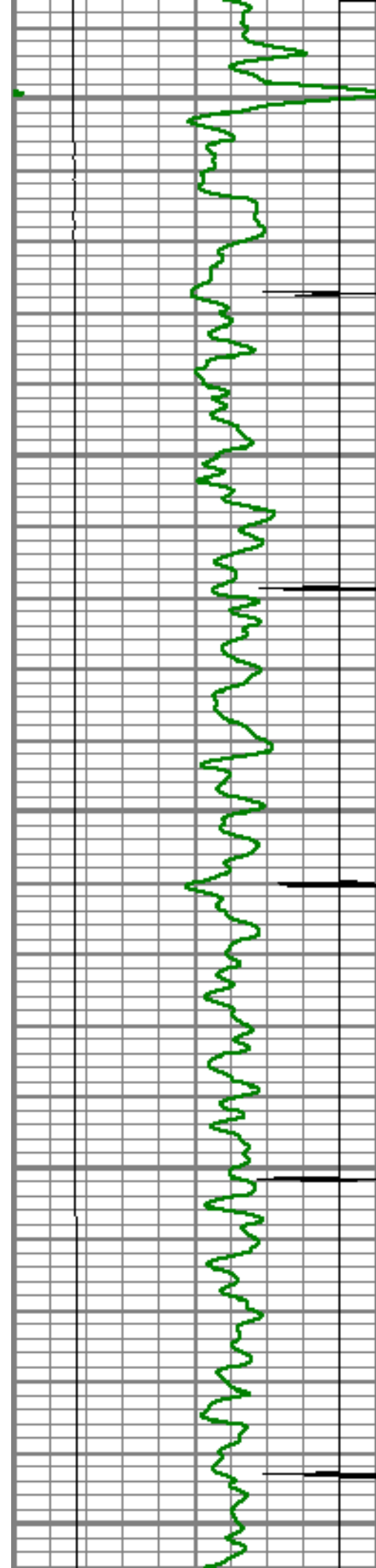
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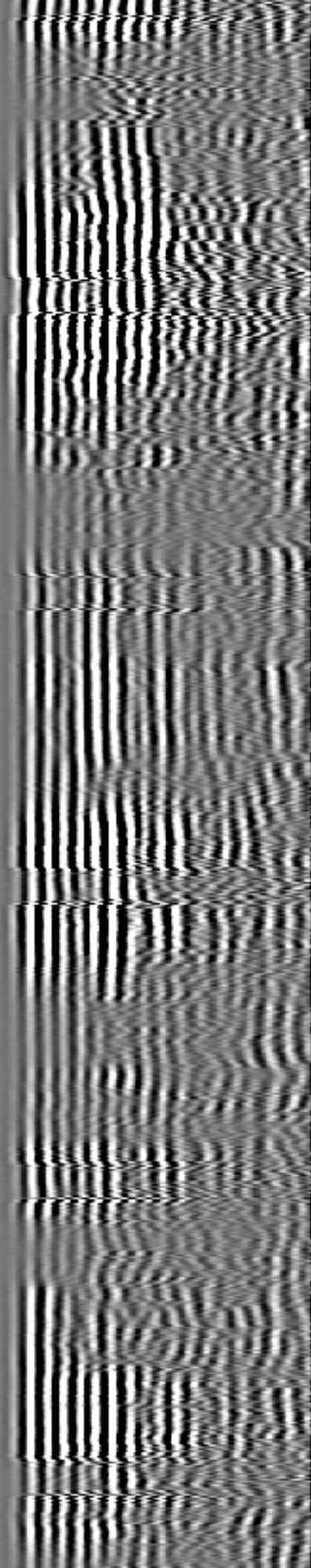
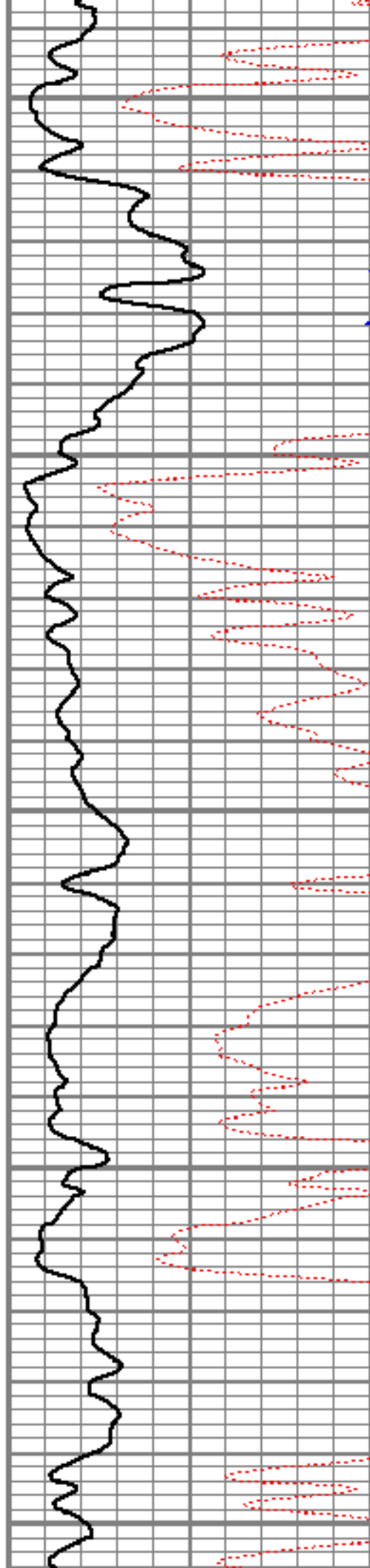
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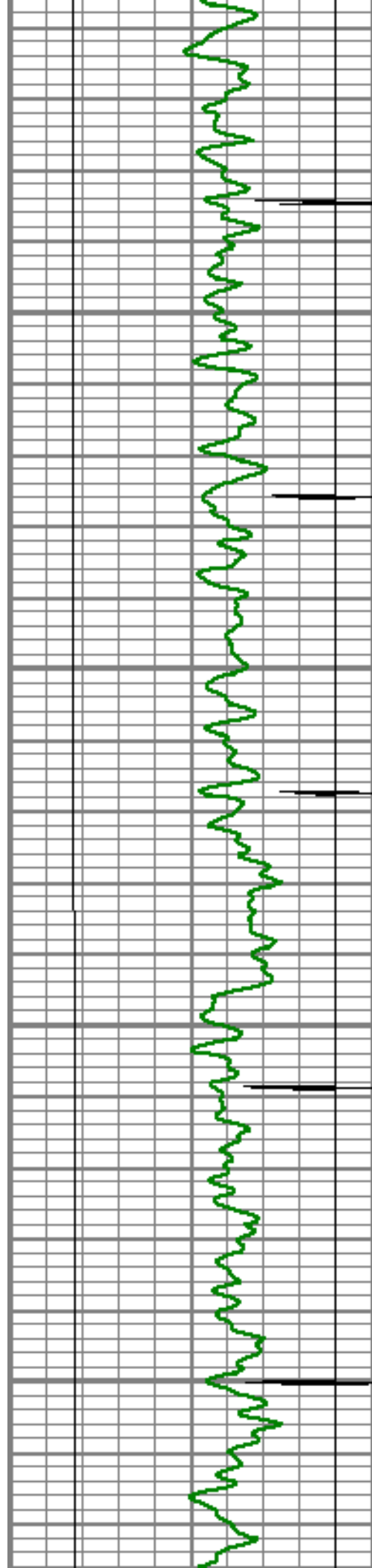
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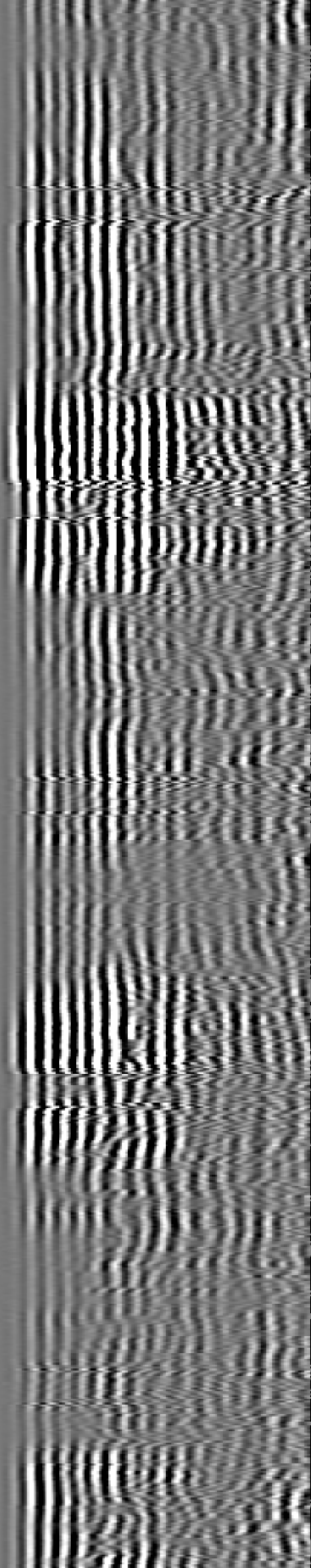
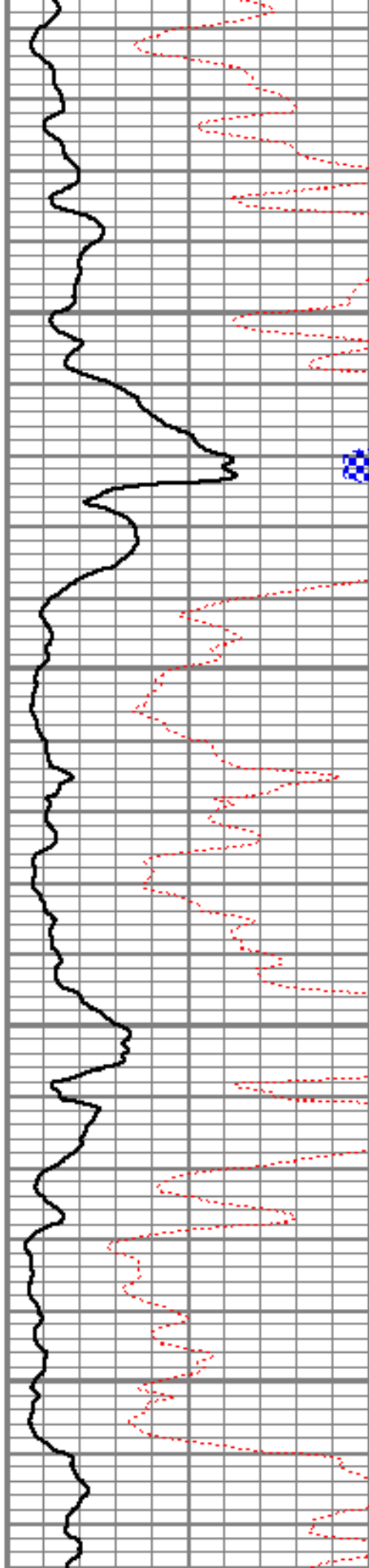


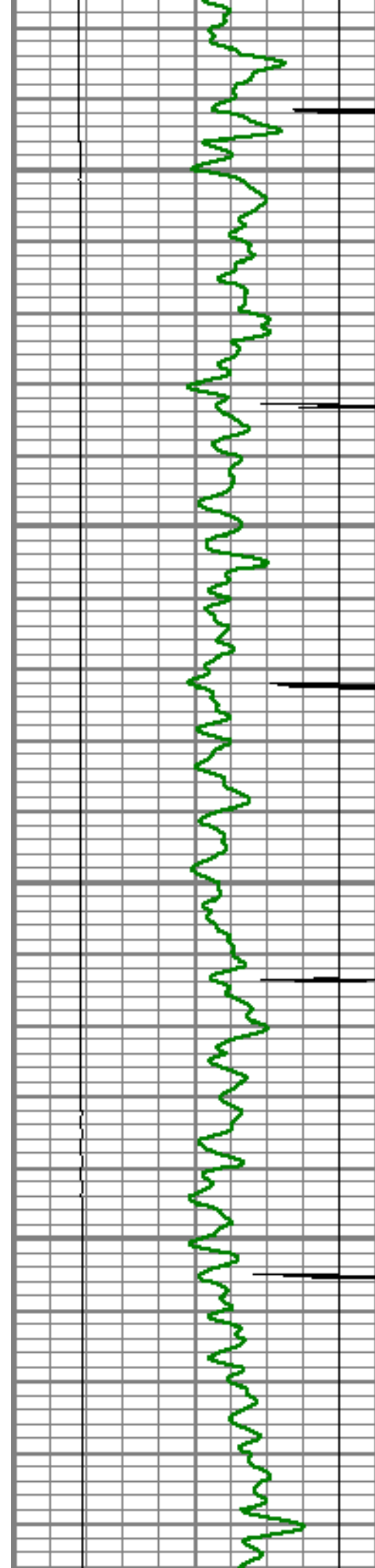
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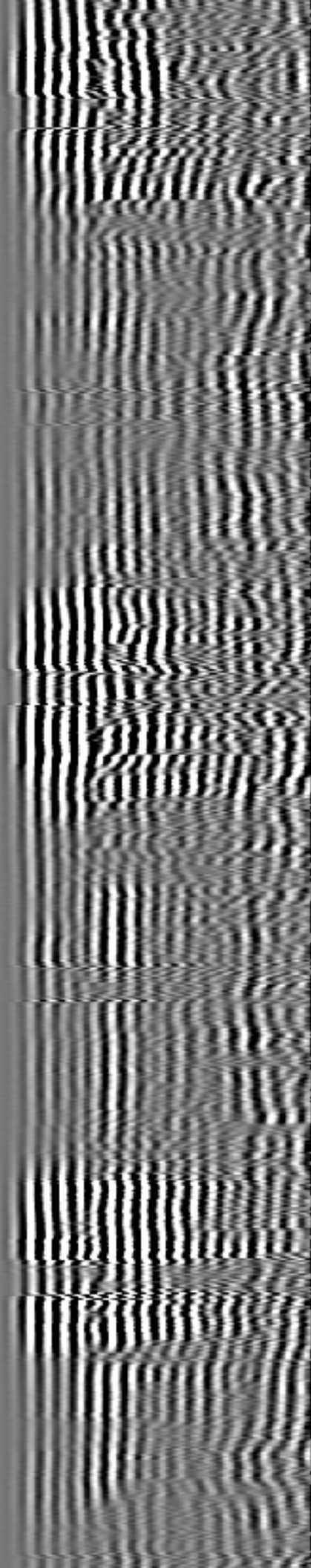
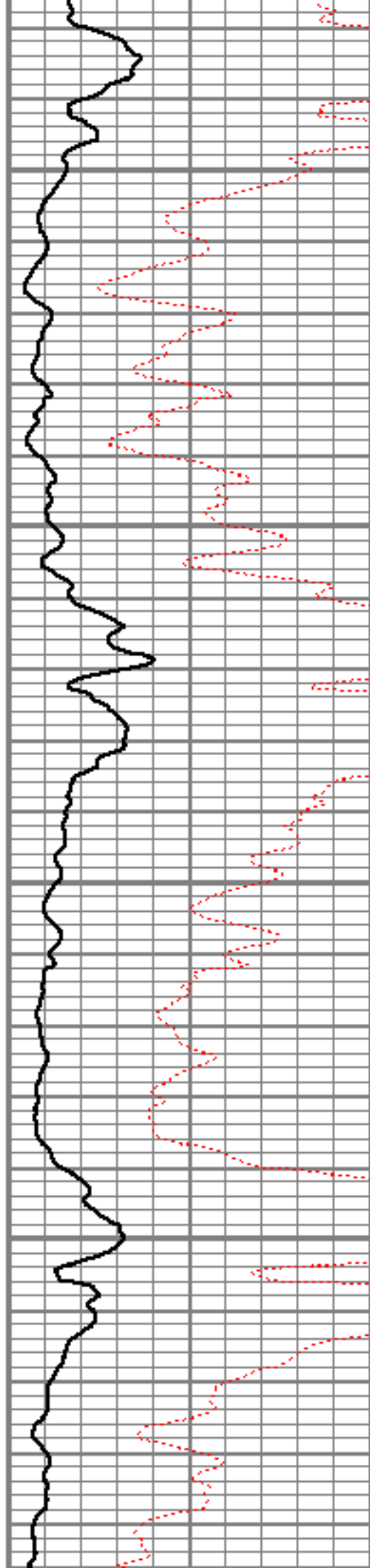


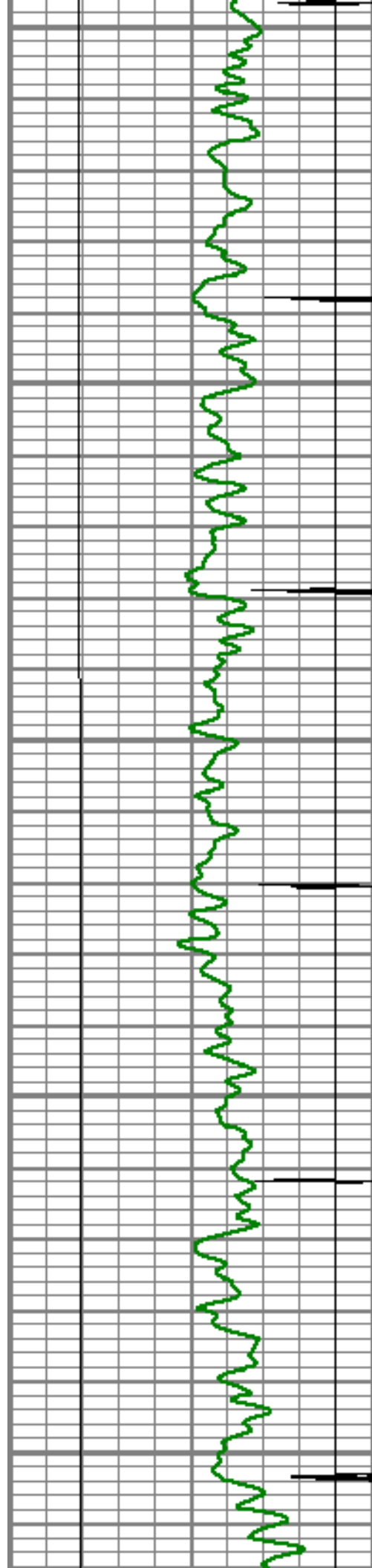
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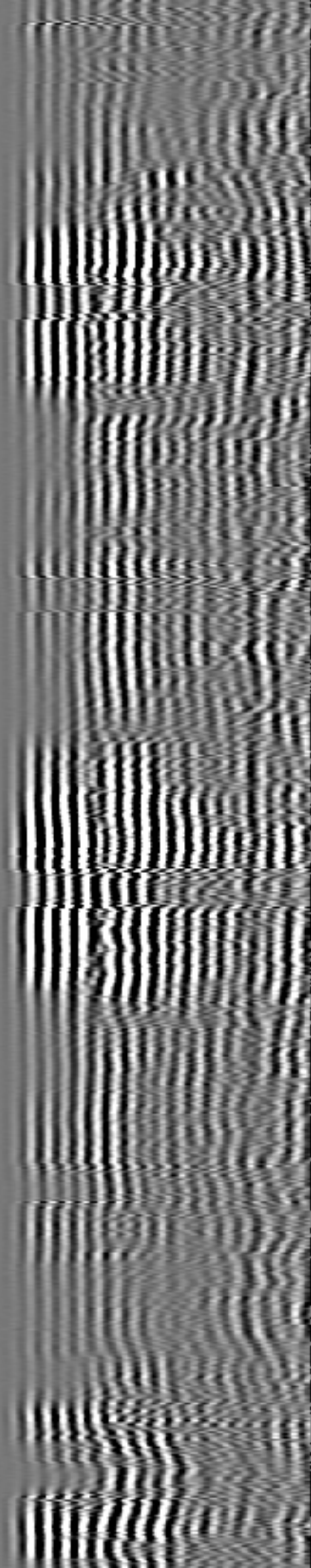
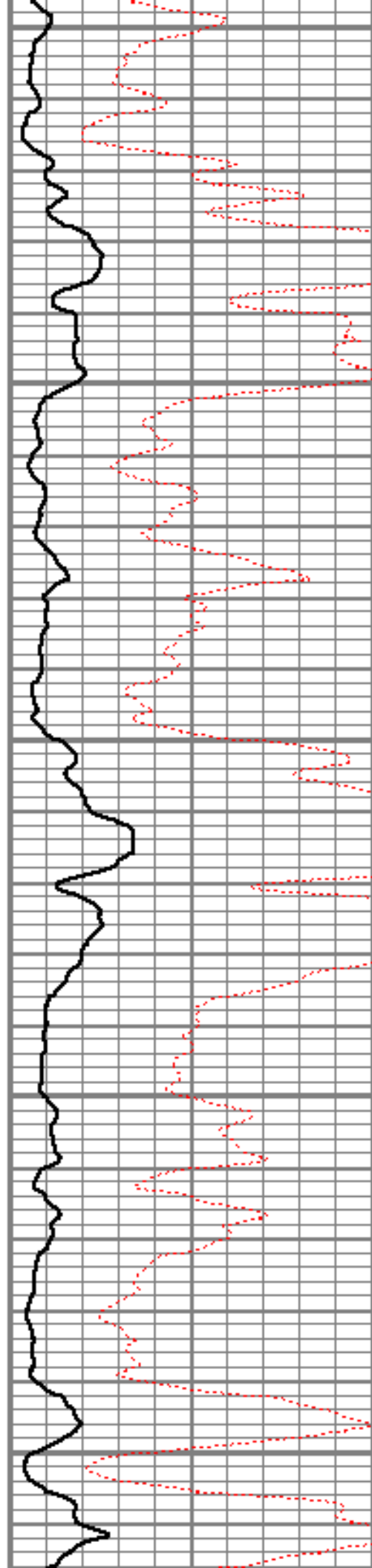
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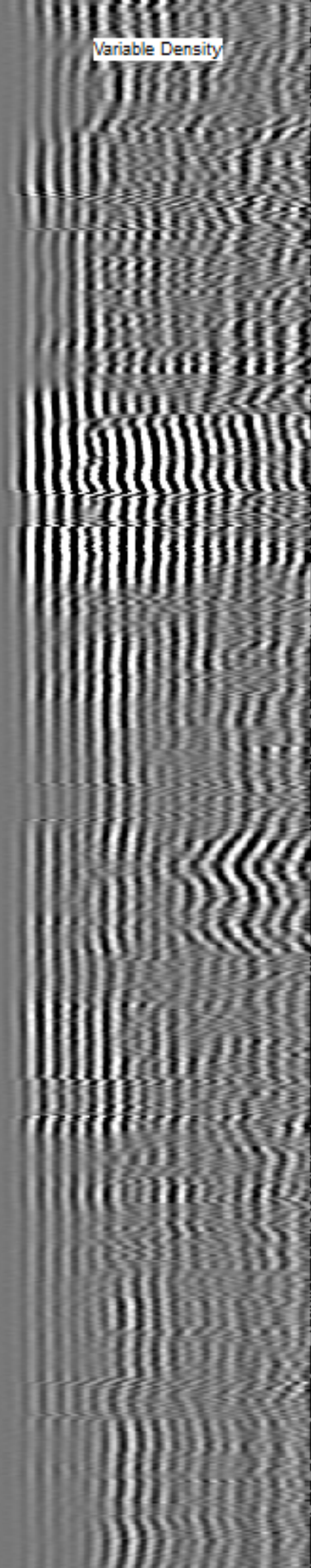
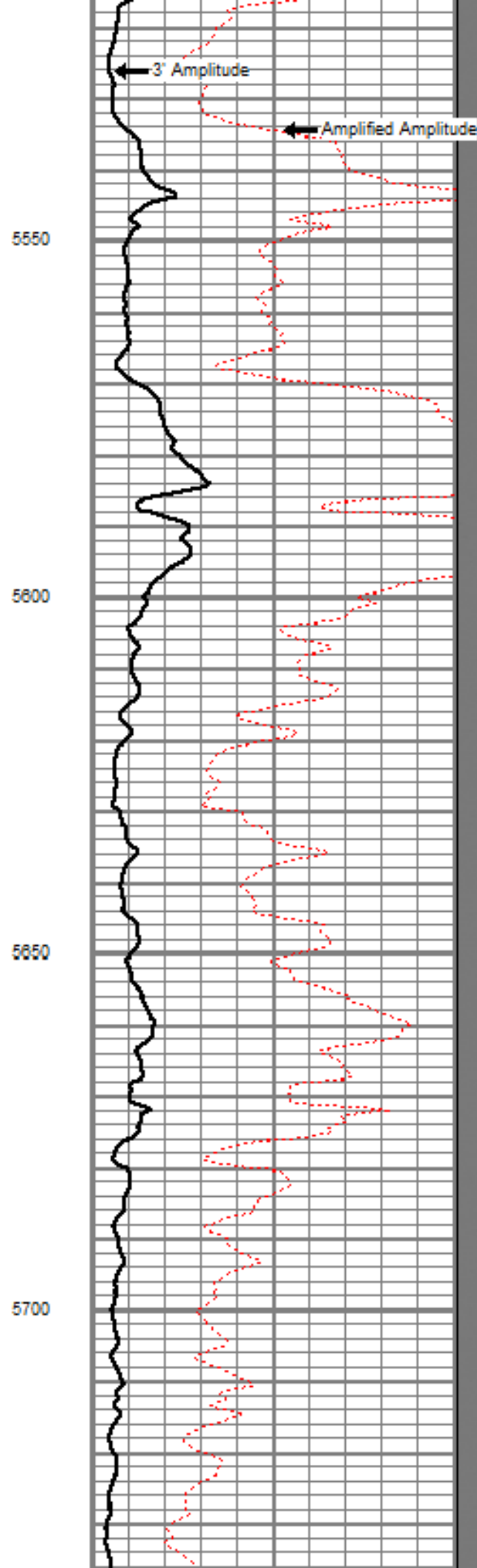
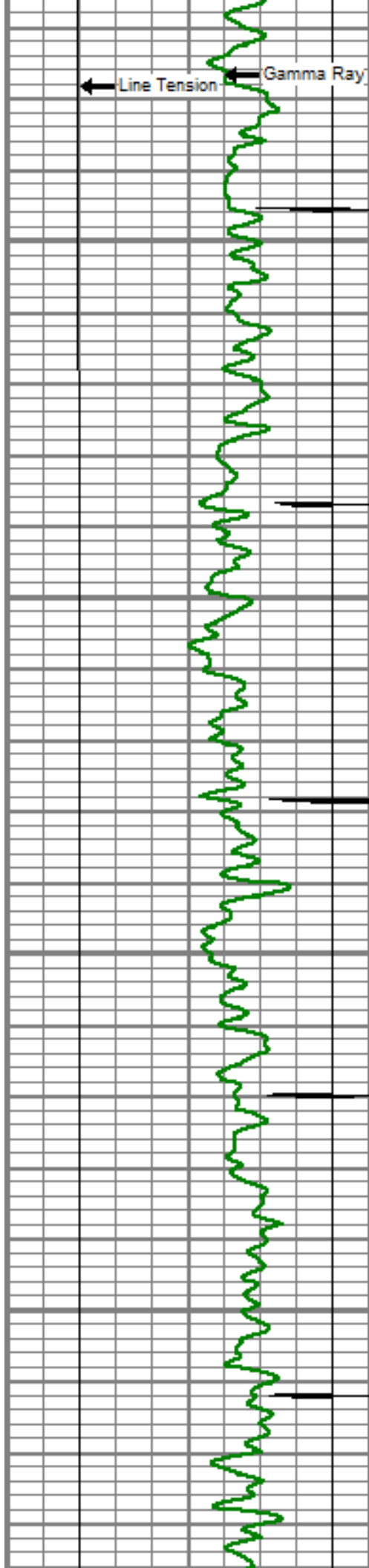
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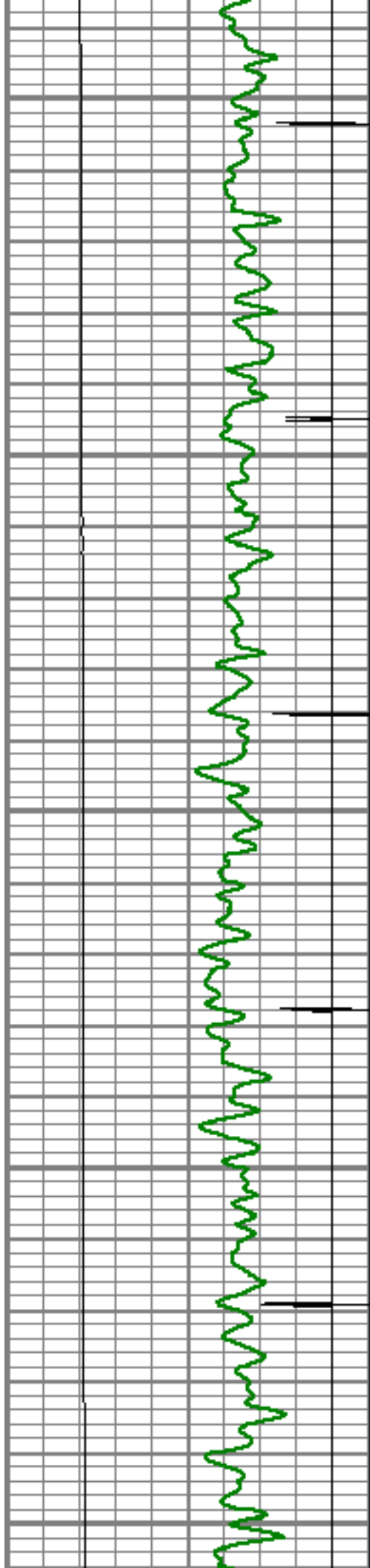
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CCL







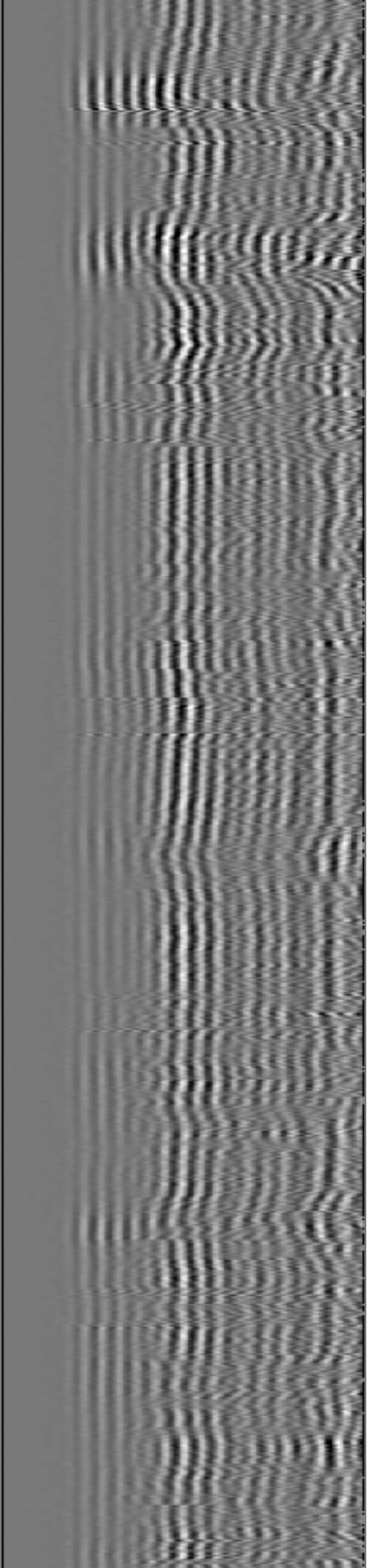
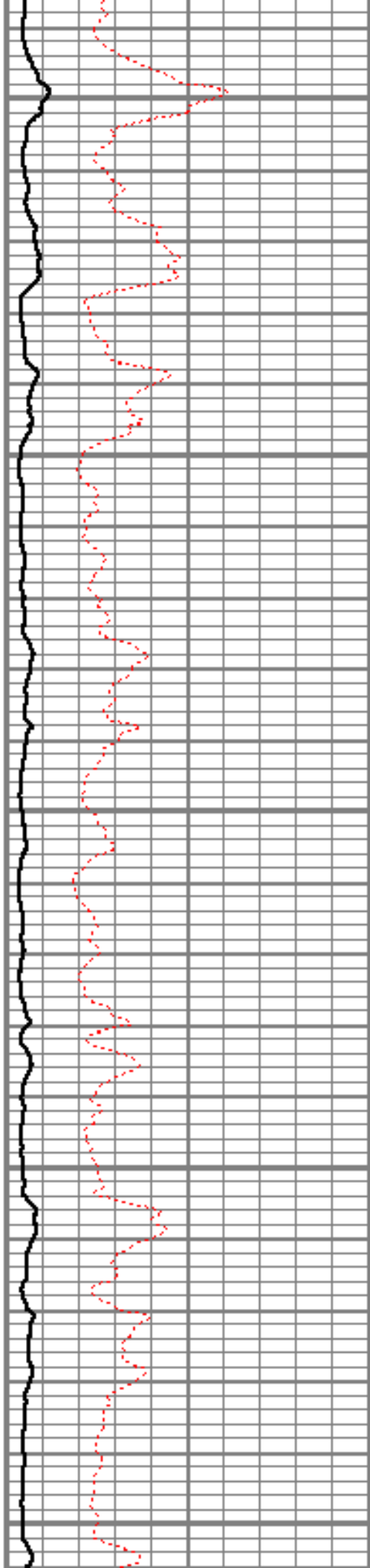
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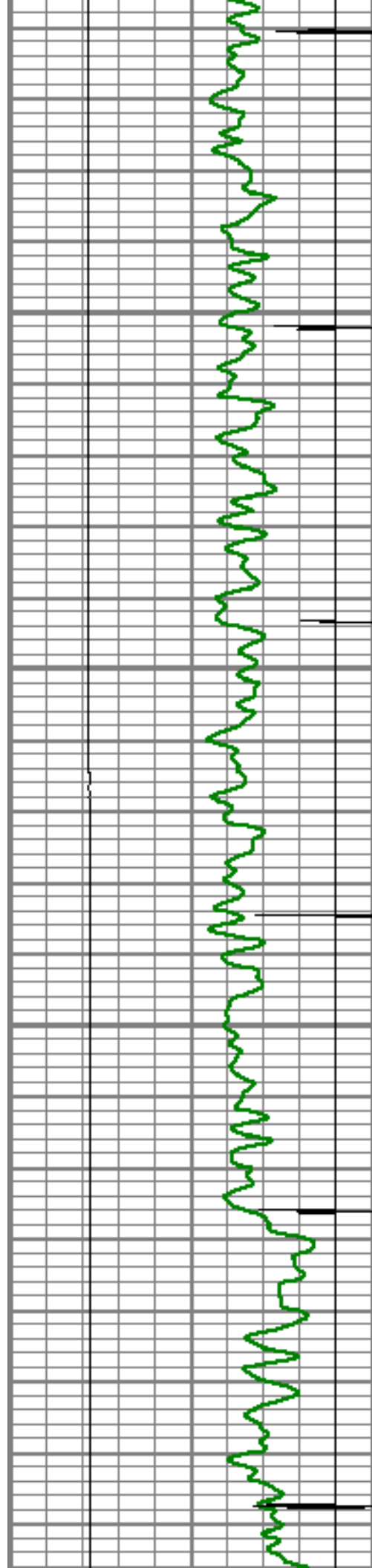
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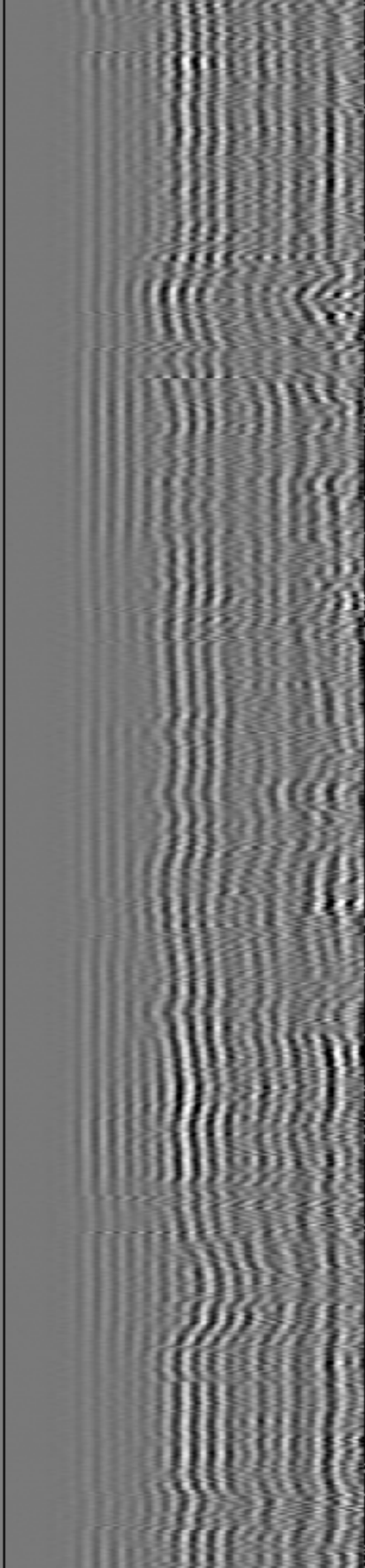
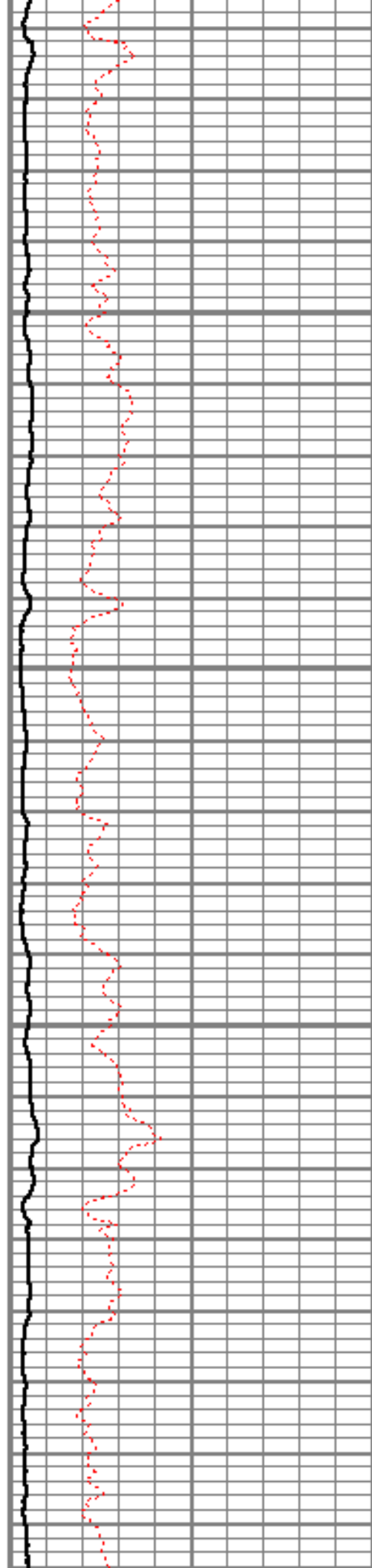


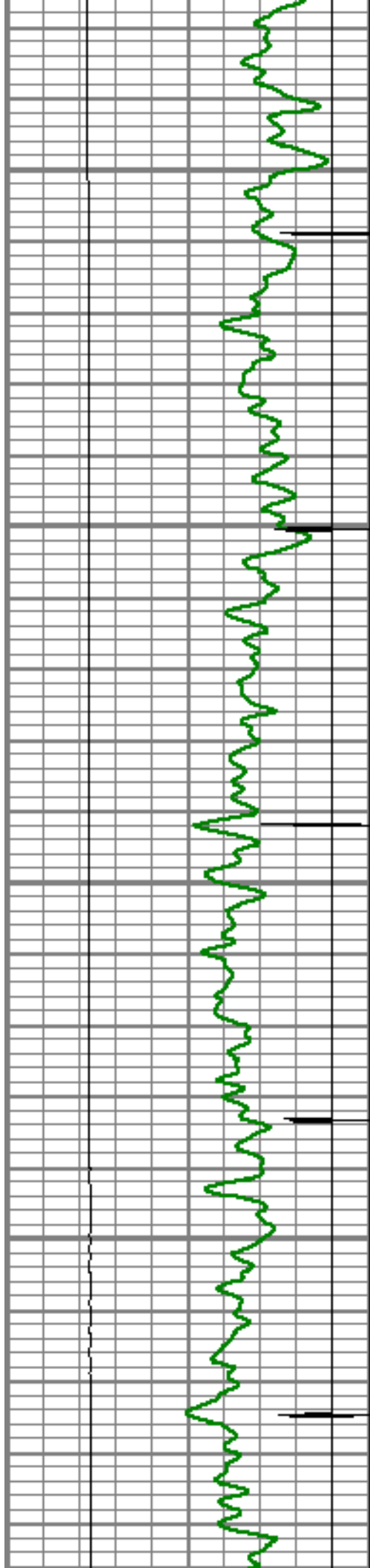
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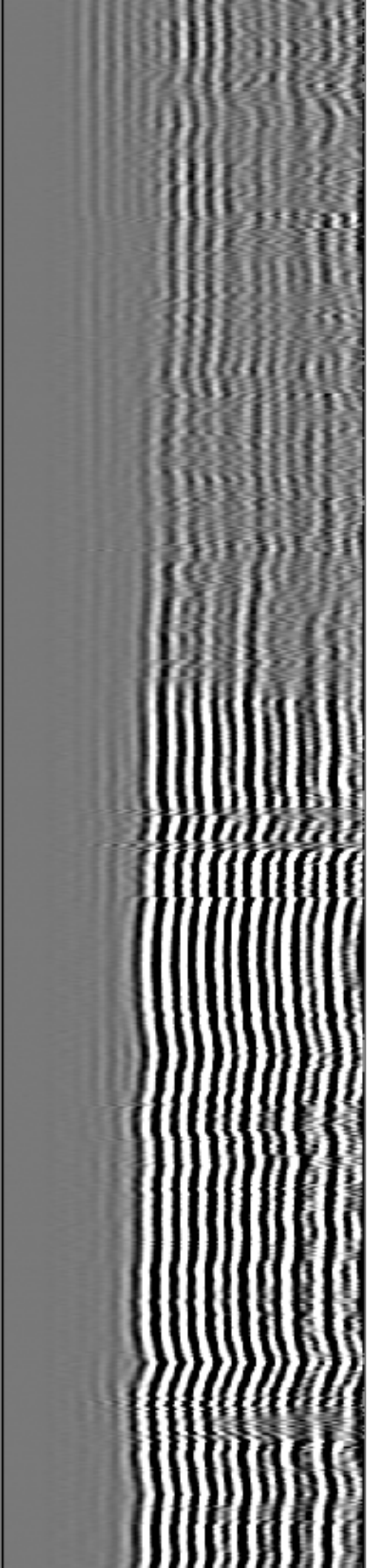
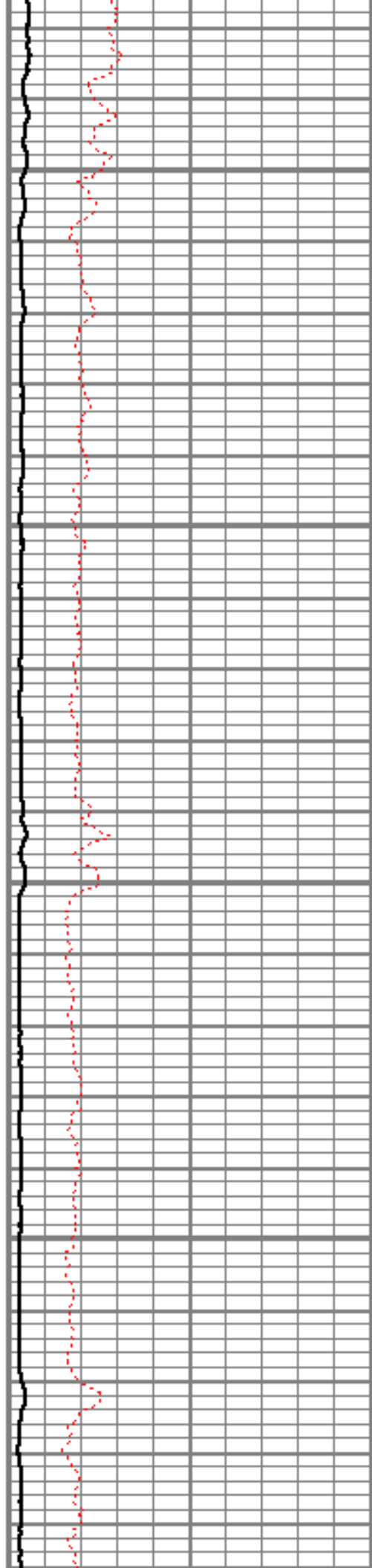


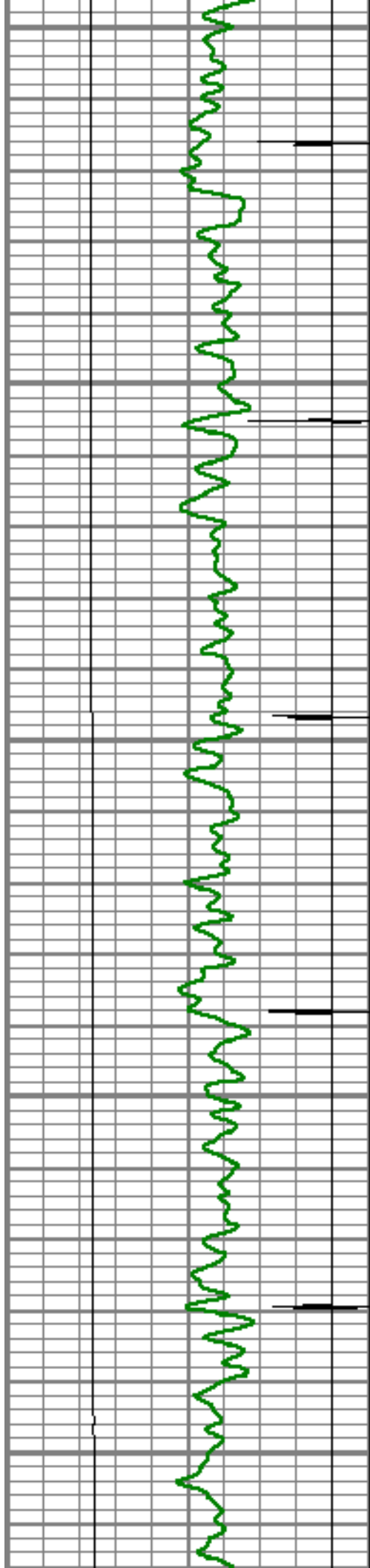
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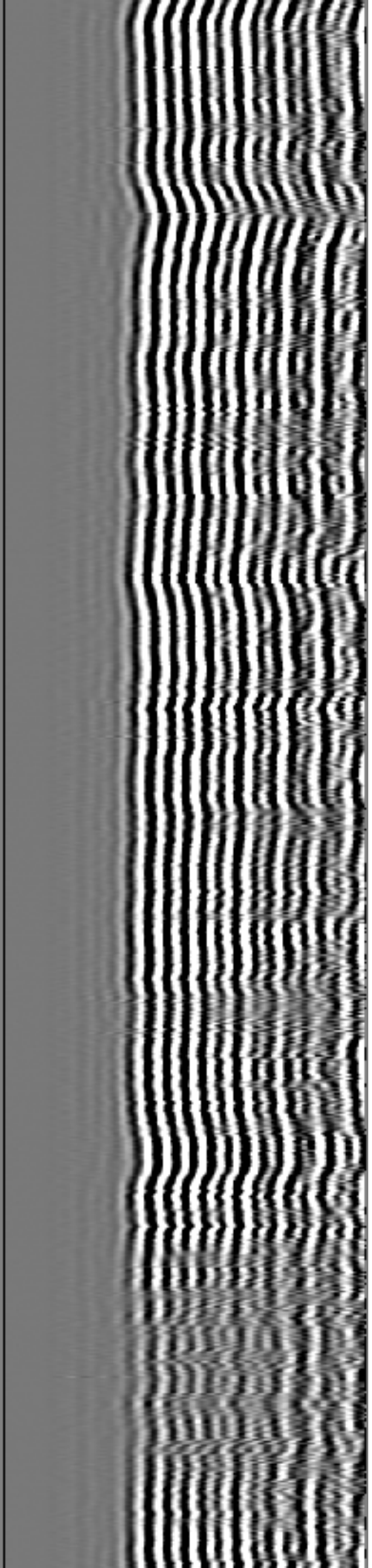
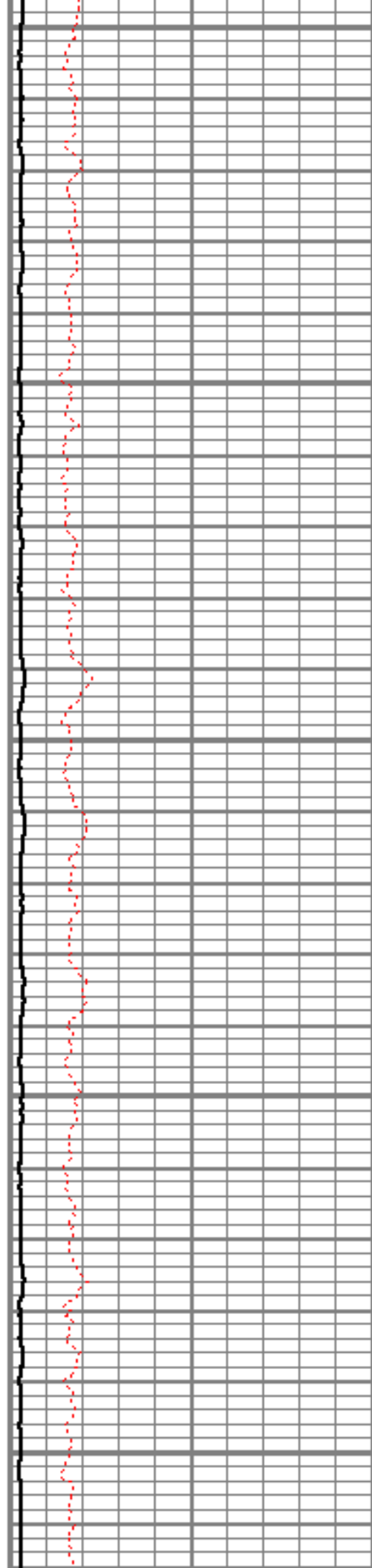
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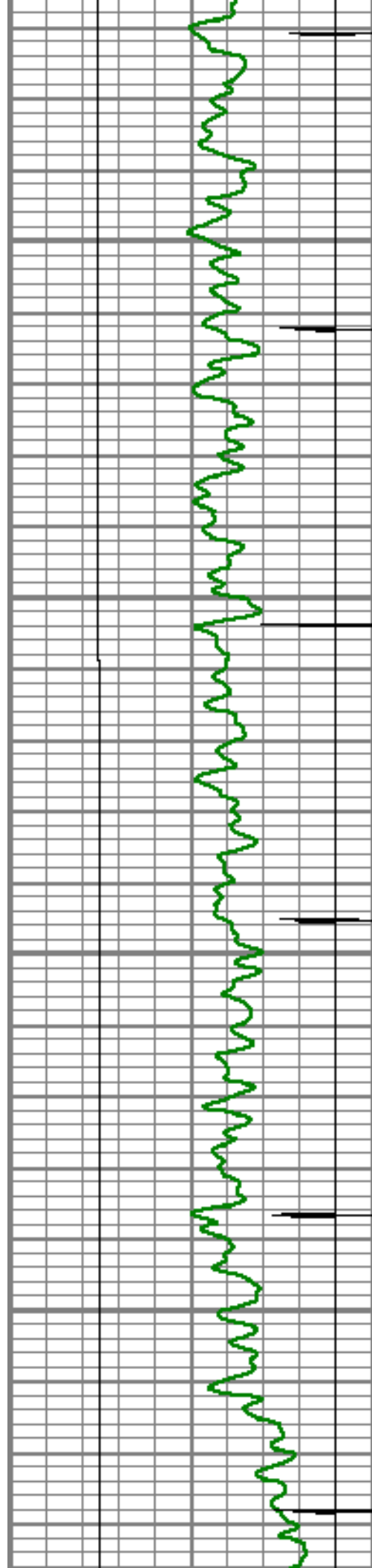
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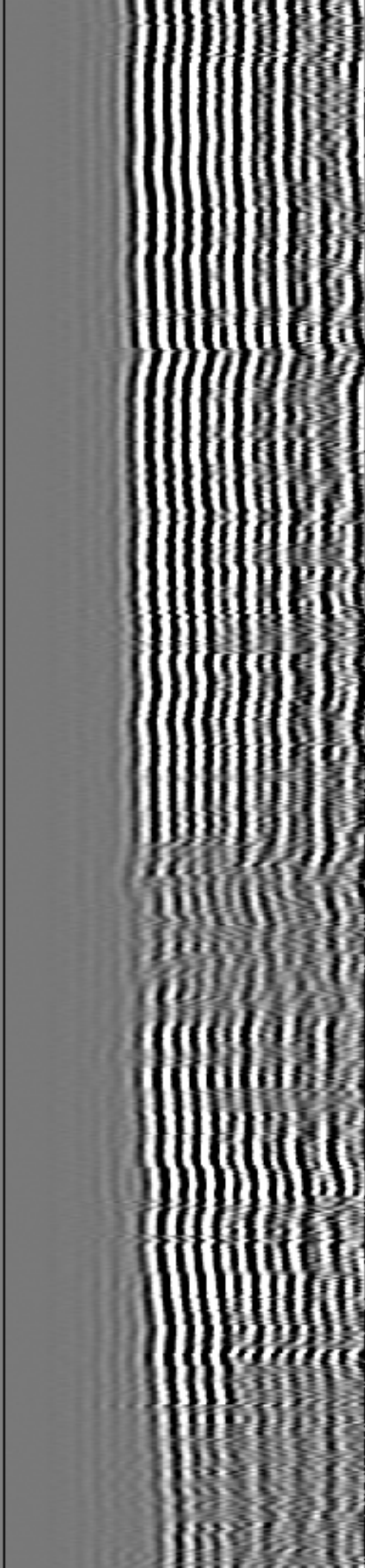
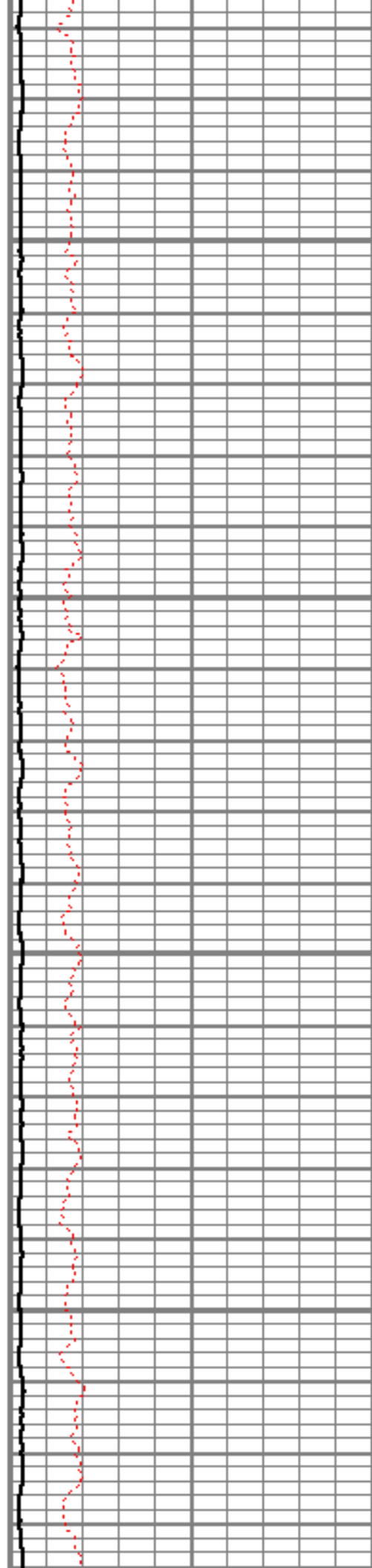


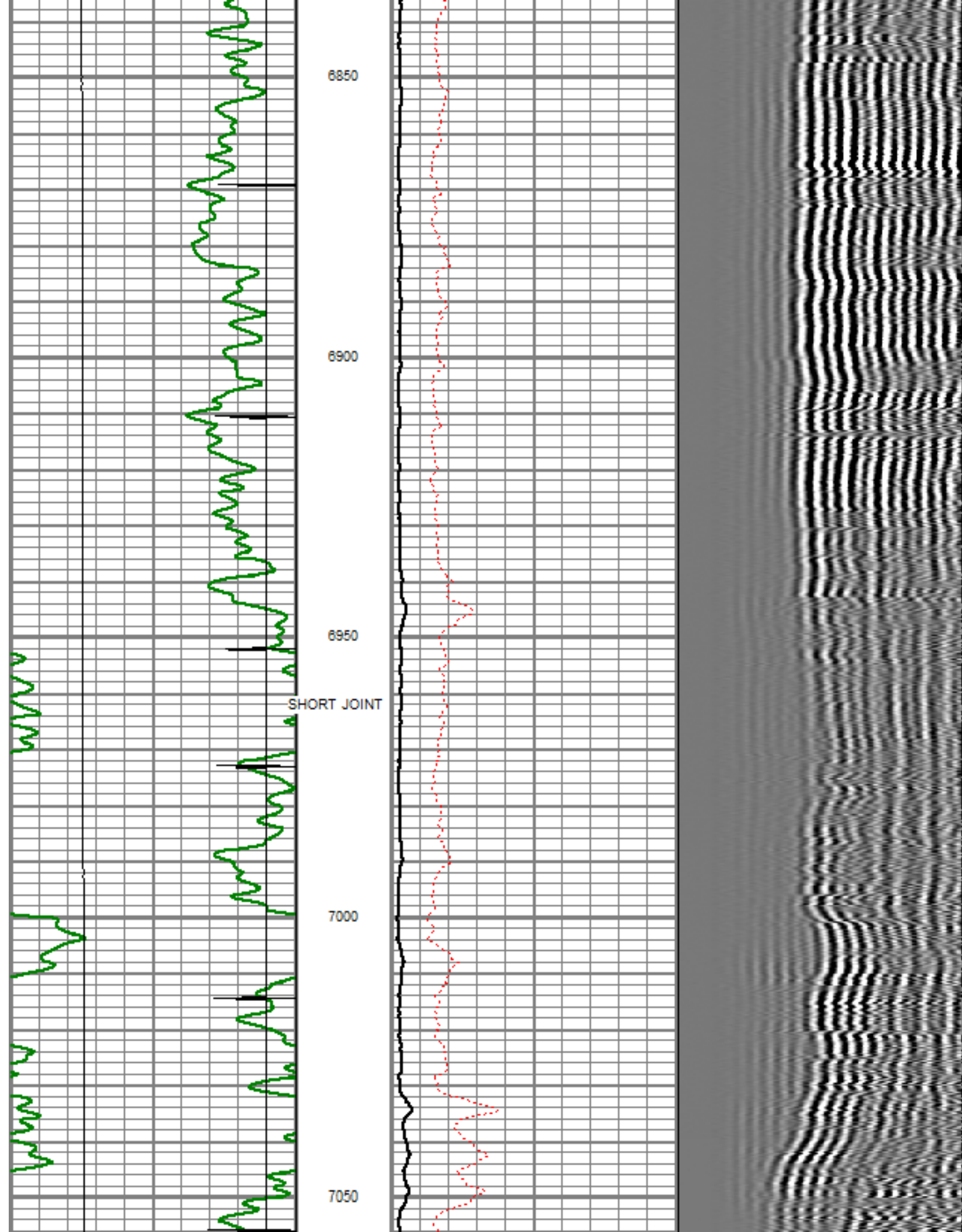
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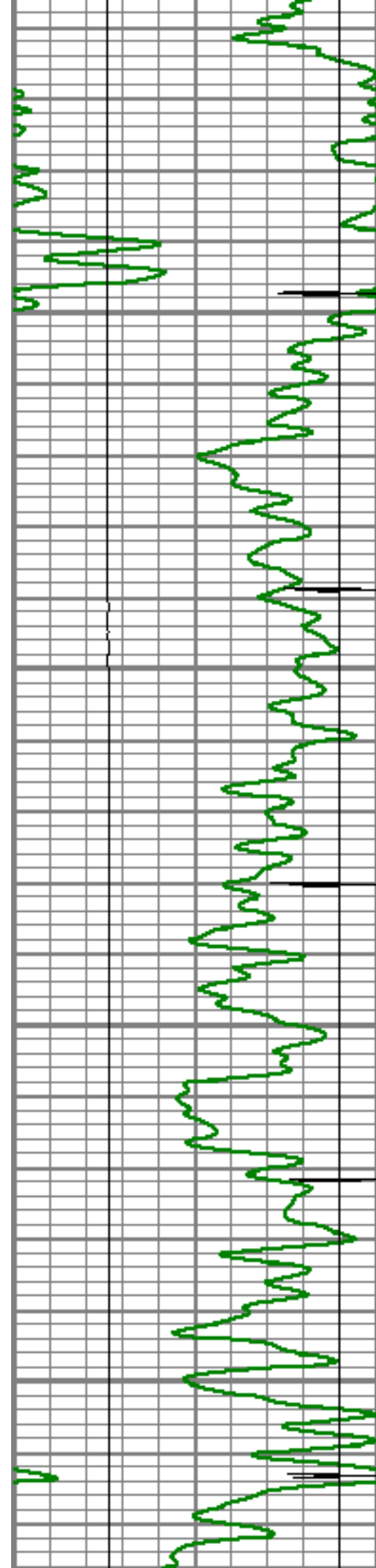
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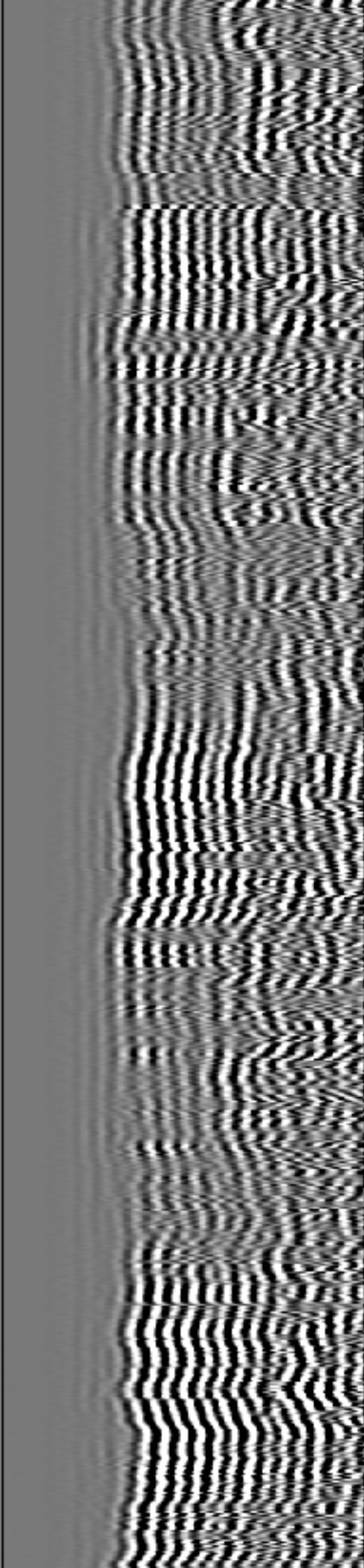
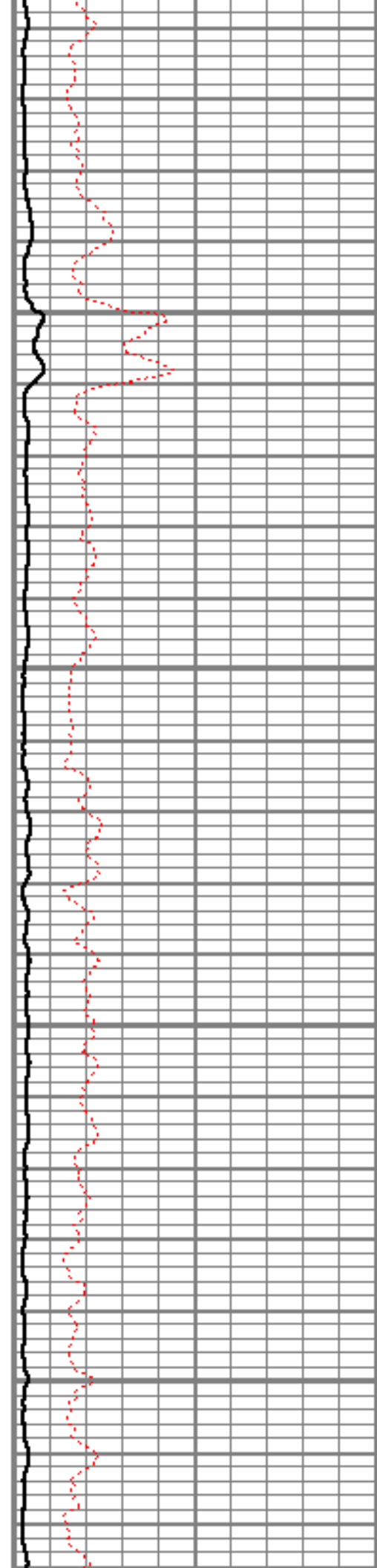


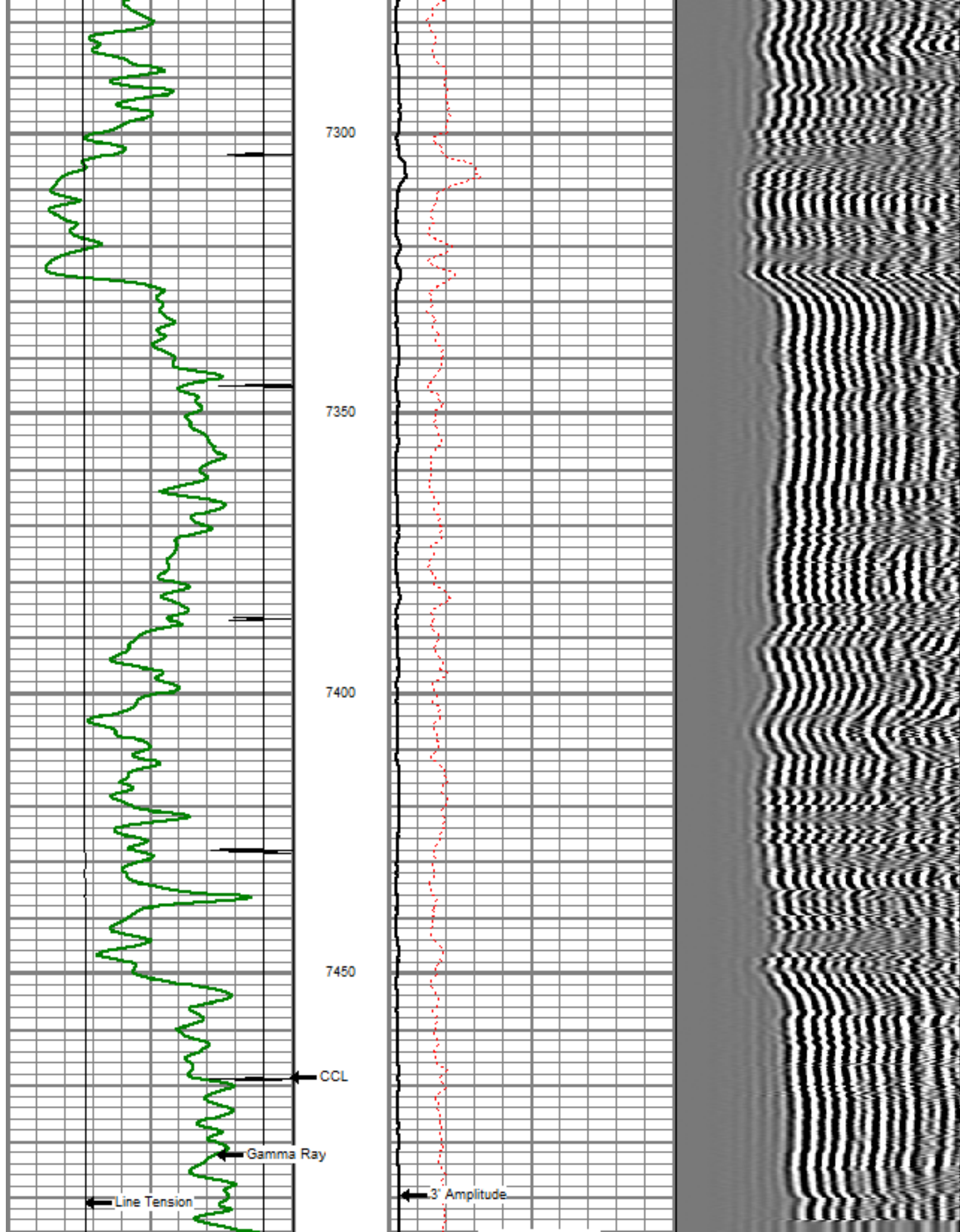
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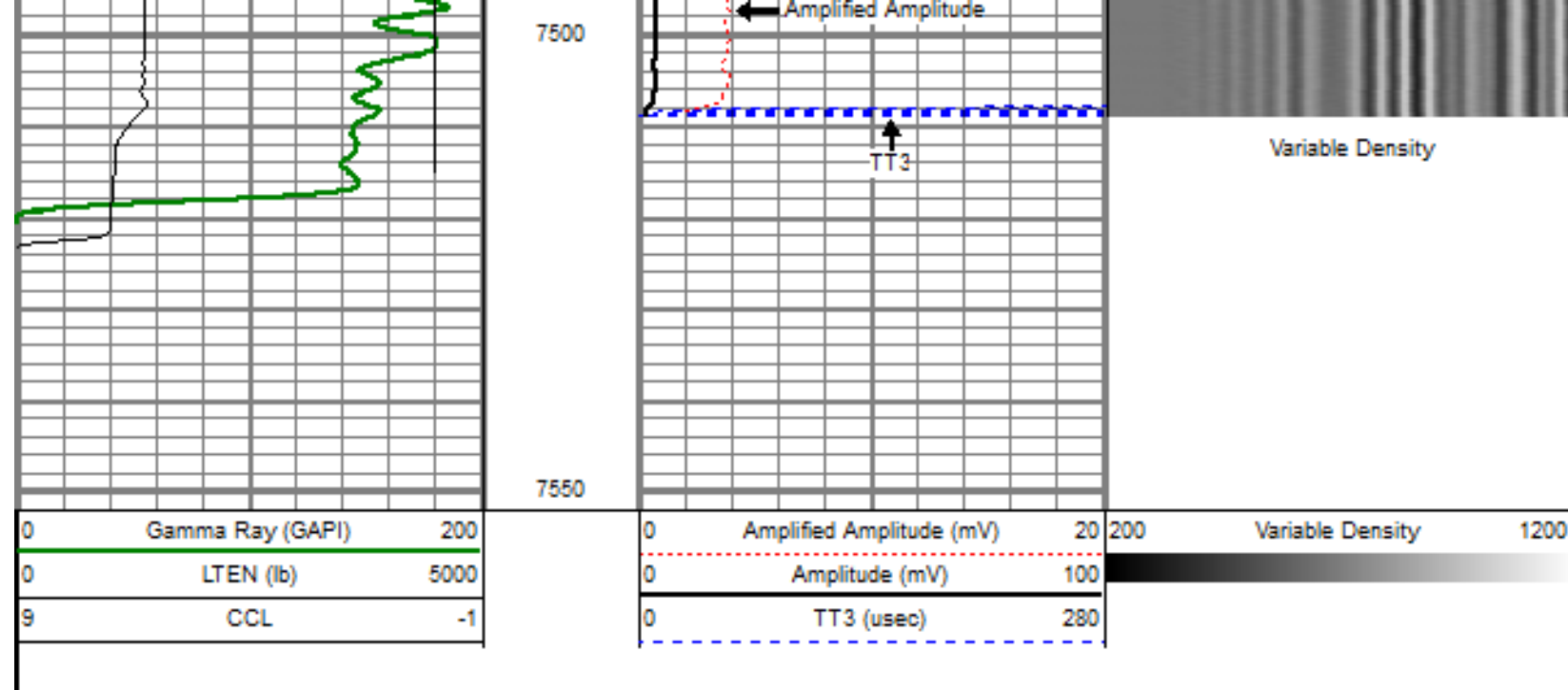
7150

7200


7250








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-PROBE_GRCCL (PRB_GRCCL_275_01) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
GR	3.77					
			TEMP-Comprobe (TEMP_CMPRB_1375_01) Positive pulse Temp tool	2.88	1.38	15.00
TEMP	0.17					
Dataset: aristocrat angus 2-4.db: field/well/run1/pass5 Total Length: 22.96 ft Total Weight: 126.50 lb O.D. 2.75 in						

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