



— 10 —

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. The interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

NO LOGS AVAILABLE TO CORRELATE TO.
SHORT JOINT @ 7640' - 7663'

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

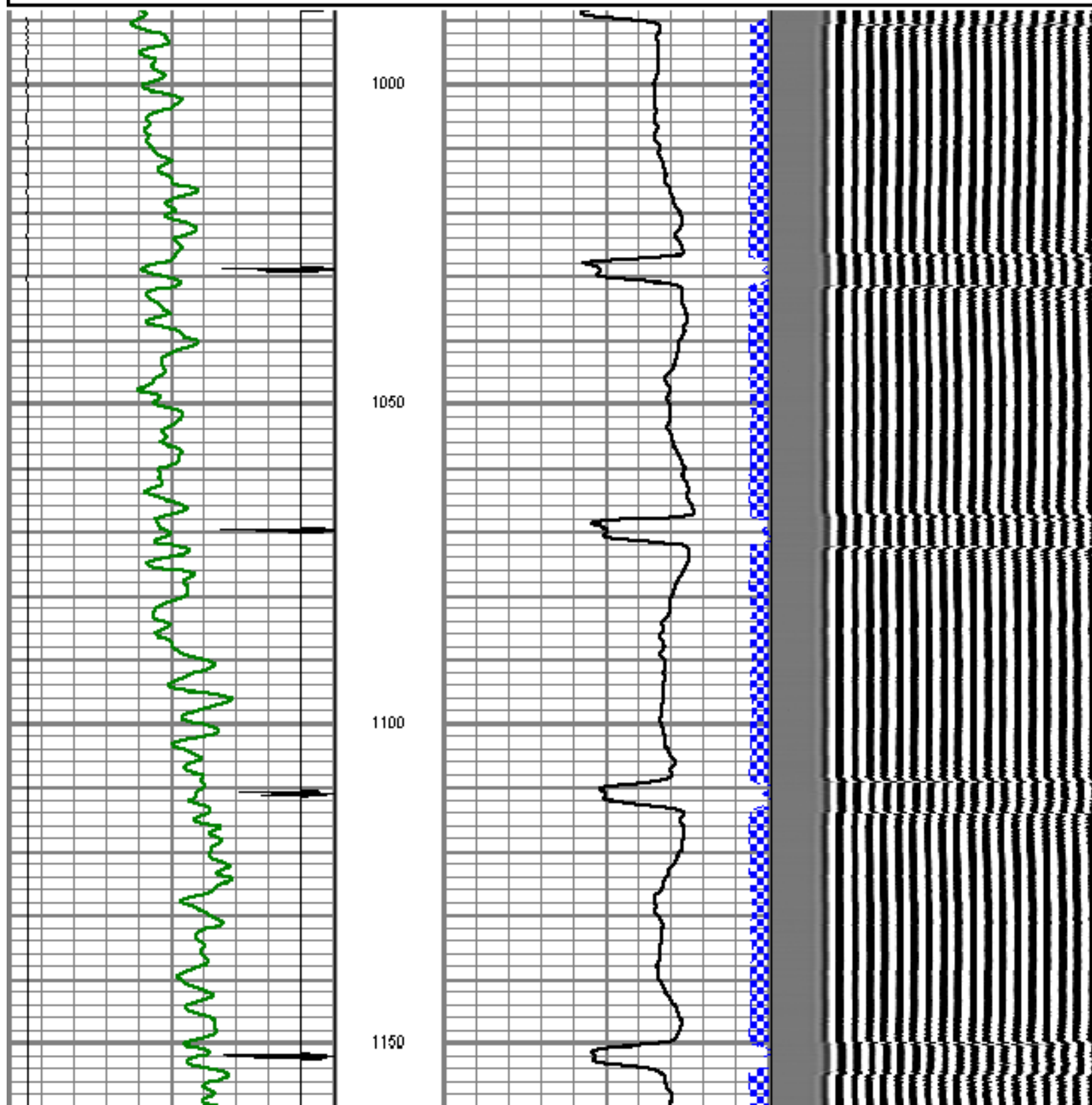


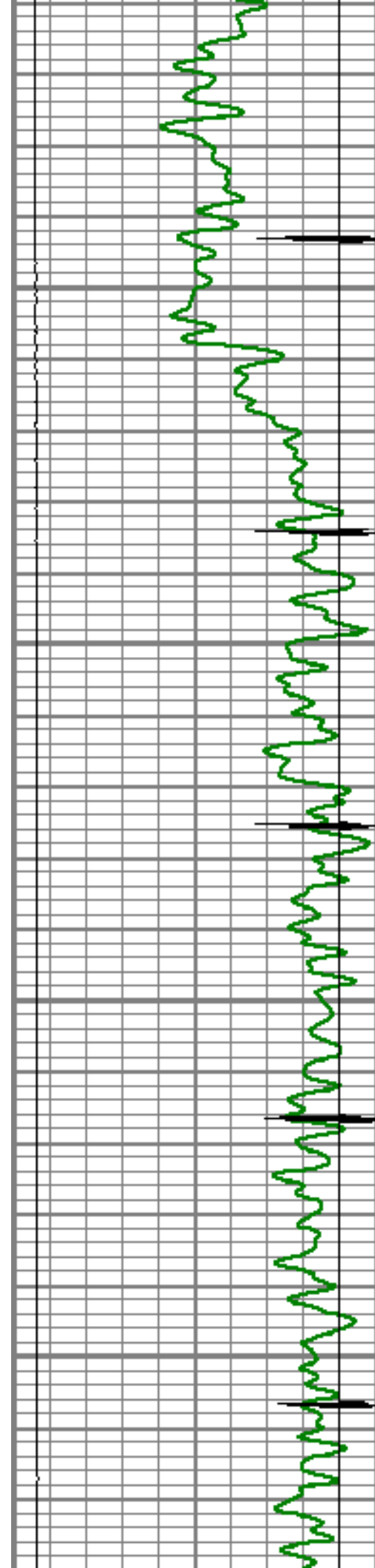
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Presentation Format: dcbl_prb
Dataset Creation: Wed Jul 06 13:54:48 2011 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
0	LTEN (lb)	5000
9	CCL	-1

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

200 Variable Density 1200



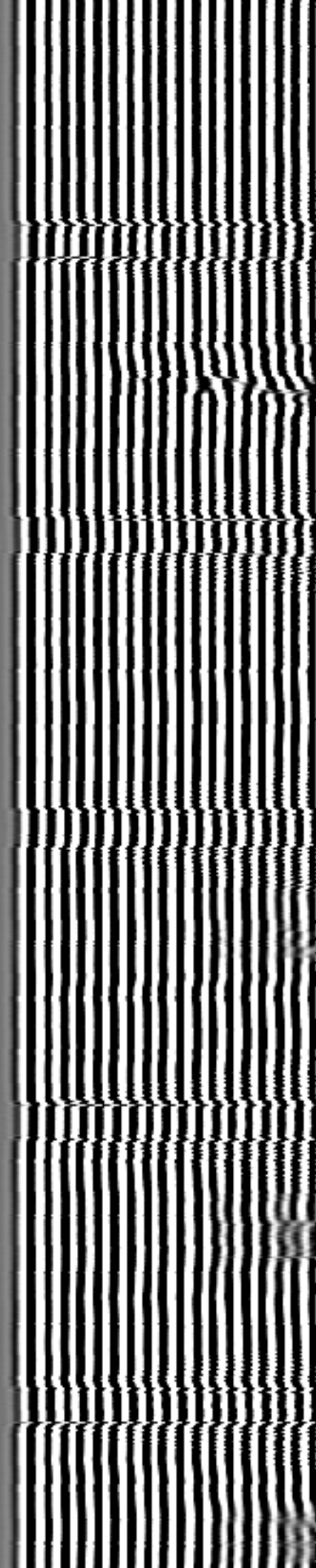
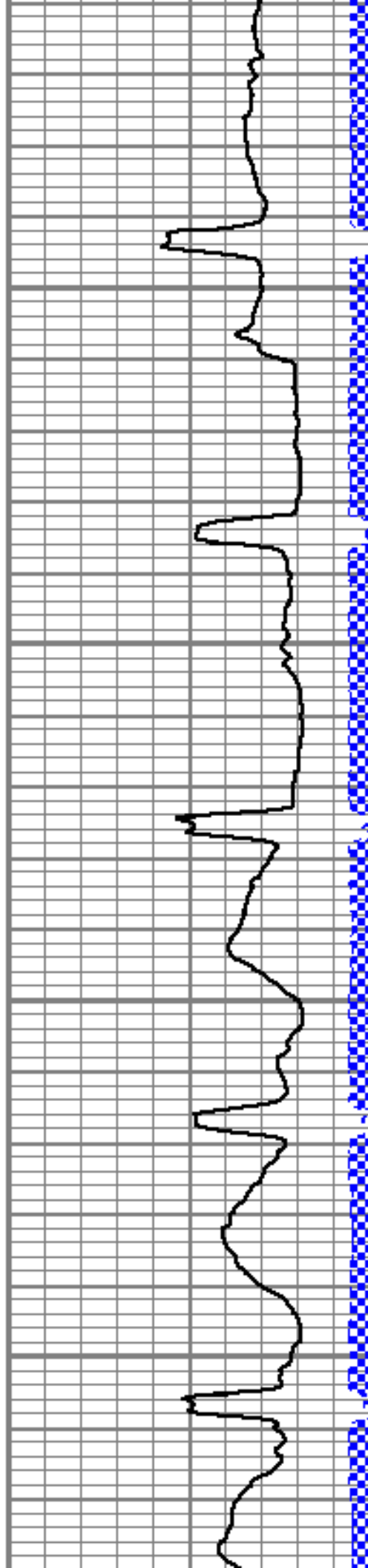


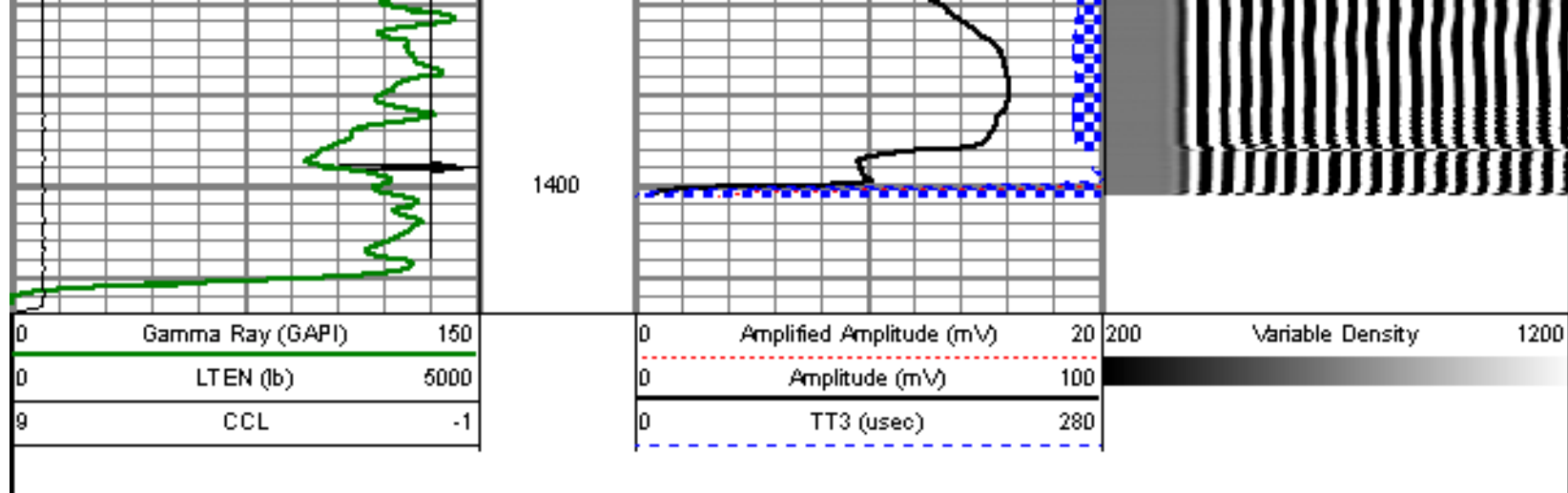
1200

1250

1300

1350

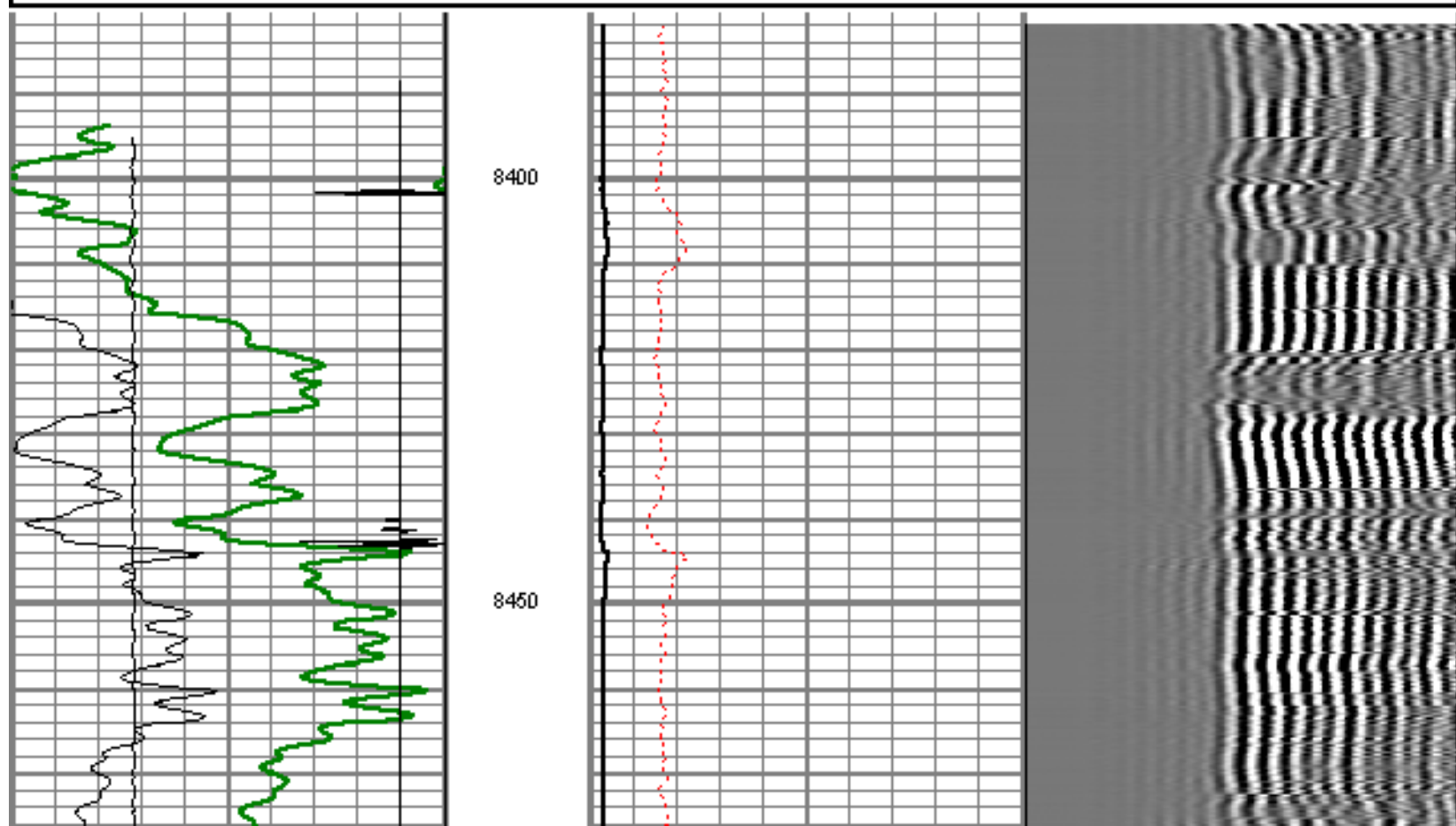


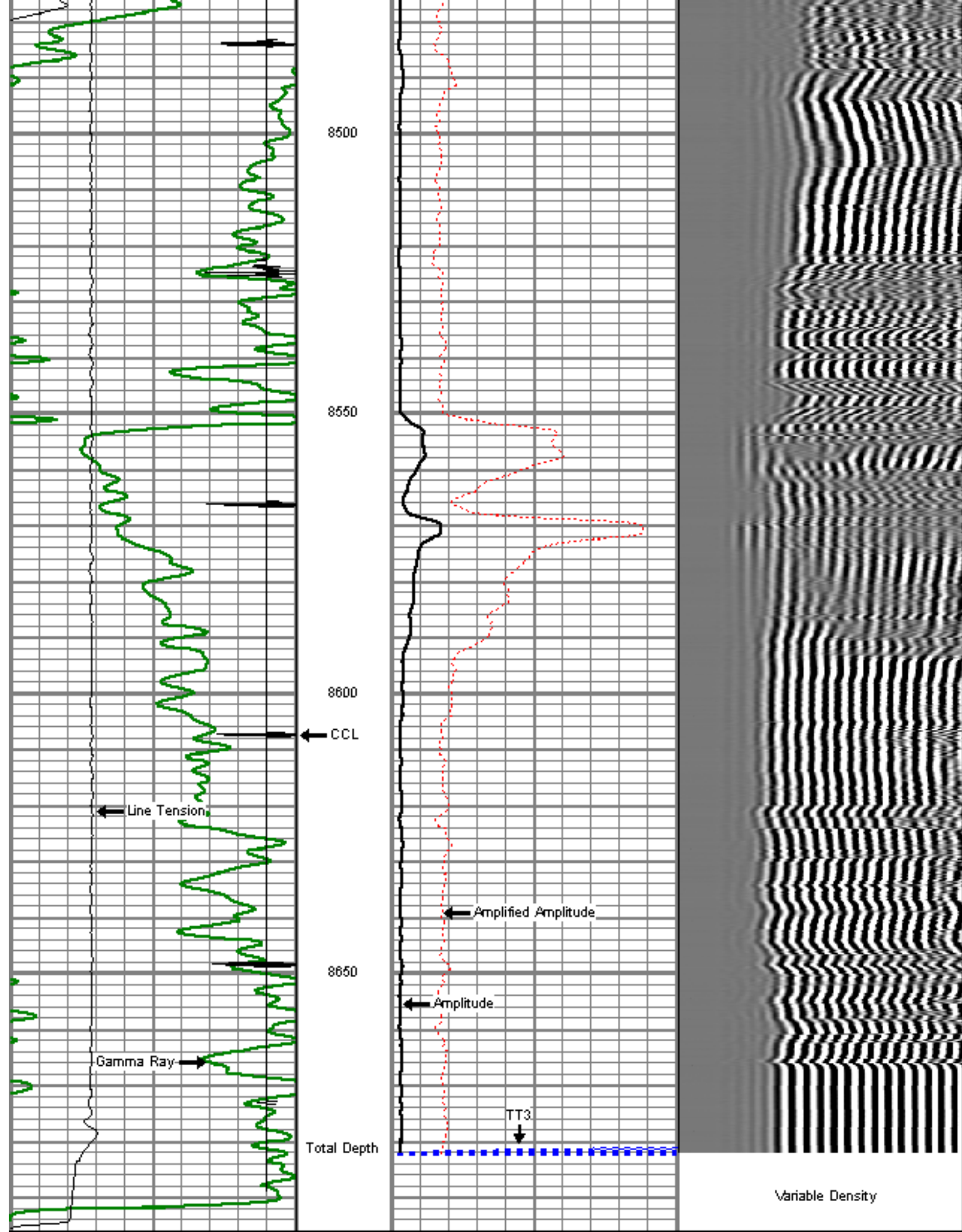


REPEAT PASS

5" = 100'

Database File: costigan 8-6.db
 Dataset Pathname: pass9
 Presentation Format: dcbl_prb
 Dataset Creation: Wed Jul 06 12:13:22 2011 by Log Std Casedhole 09061
 Charted by: Depth in Feet scaled 1:240





0	Gamma Ray (GAPI)	150
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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MAIN PASS

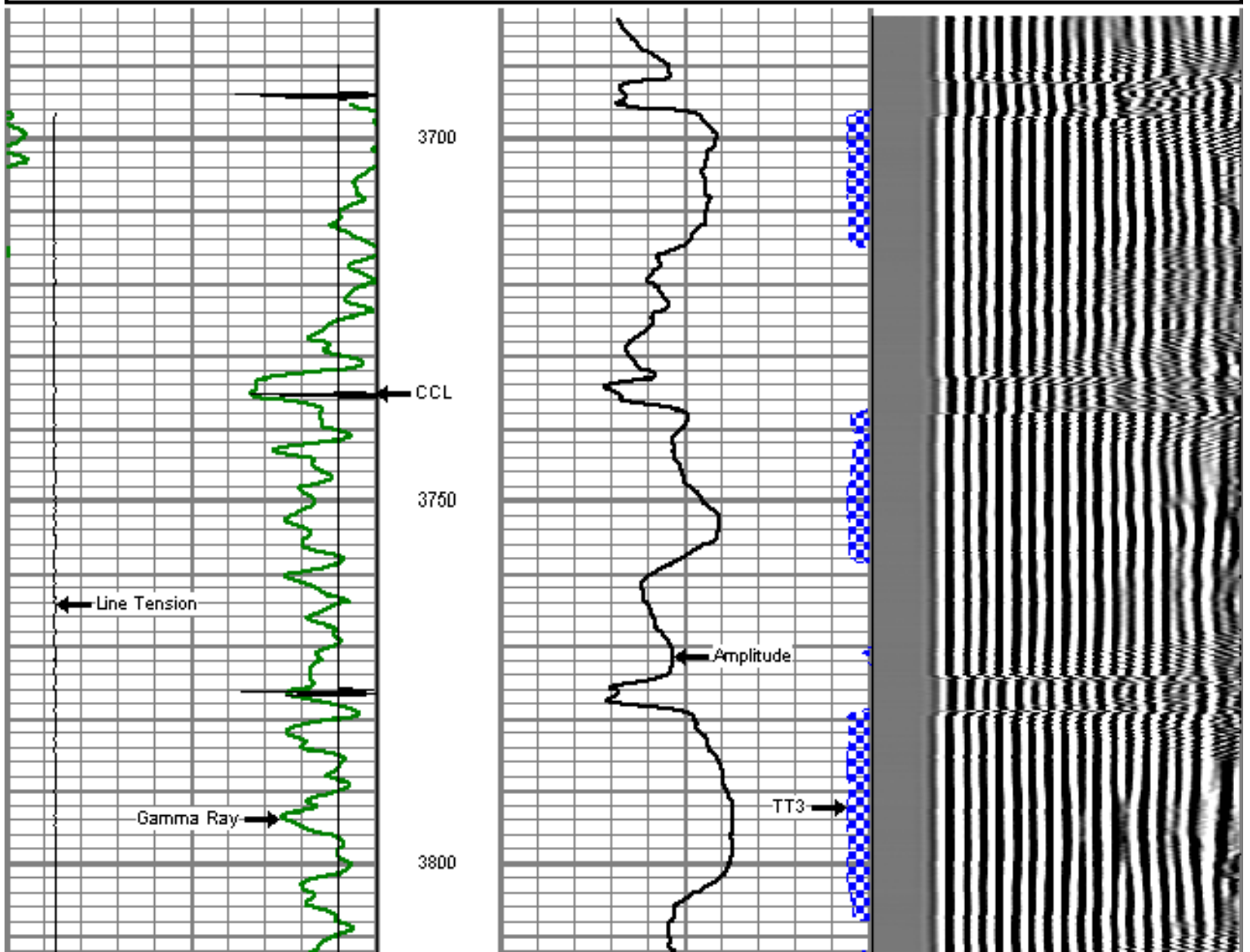
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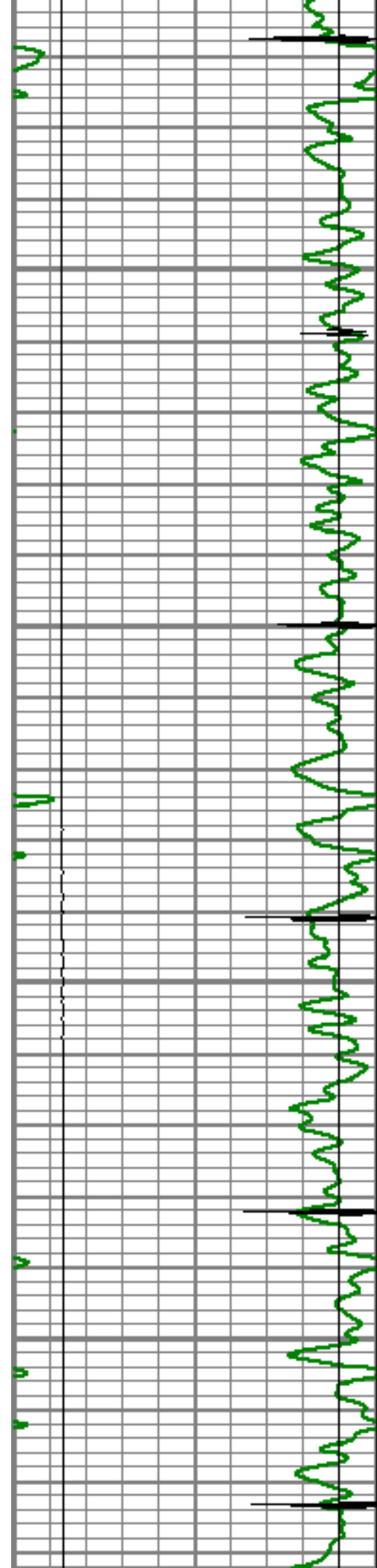
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Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
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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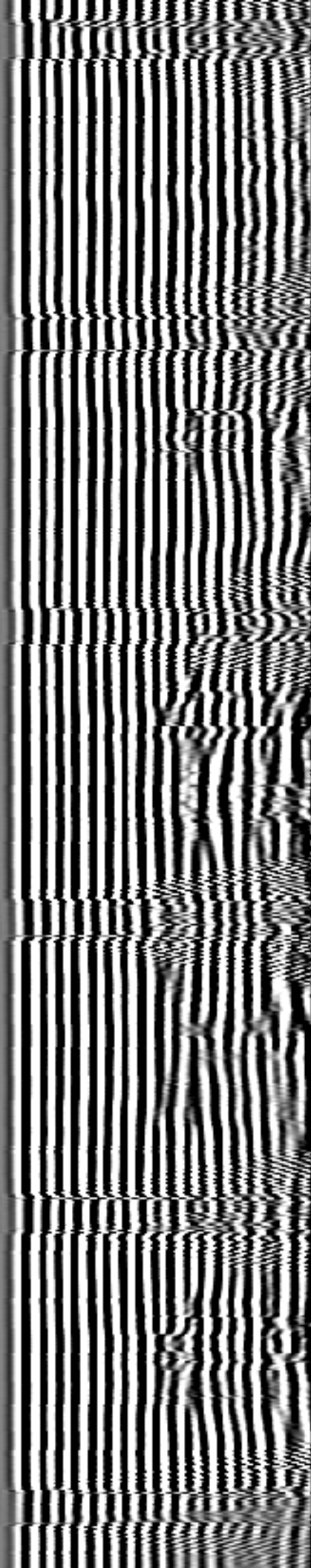
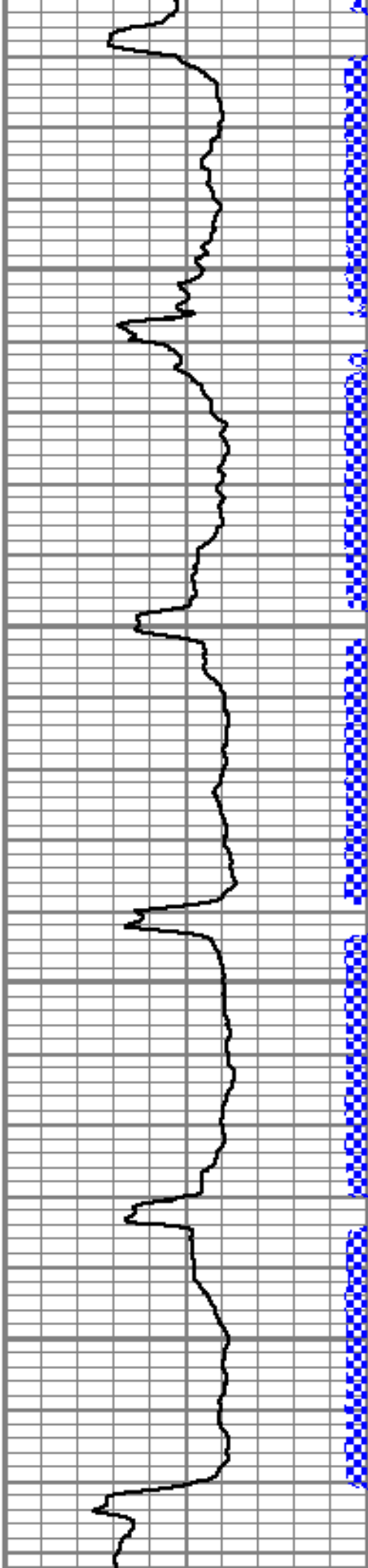


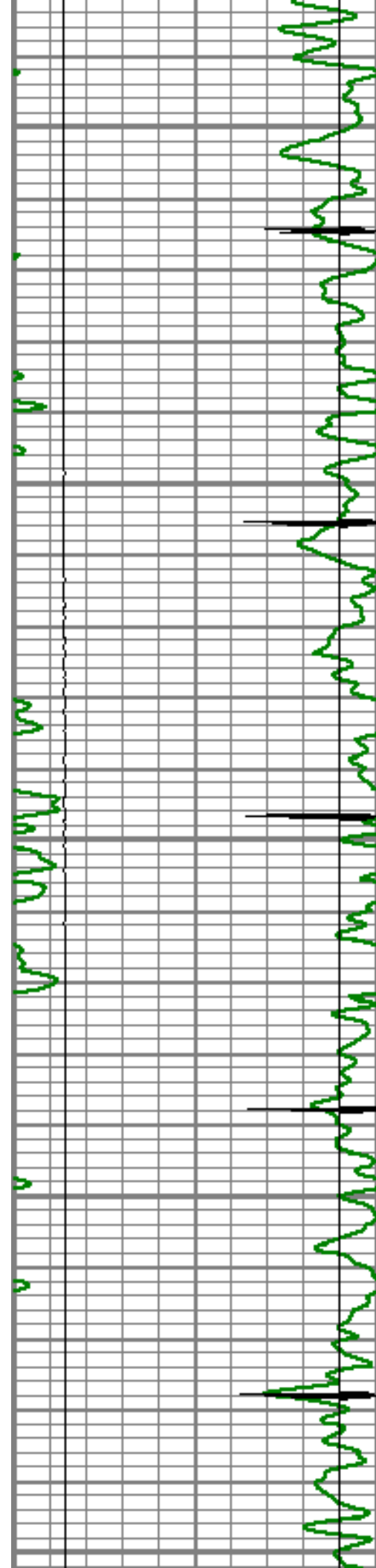
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3900

3950

4000





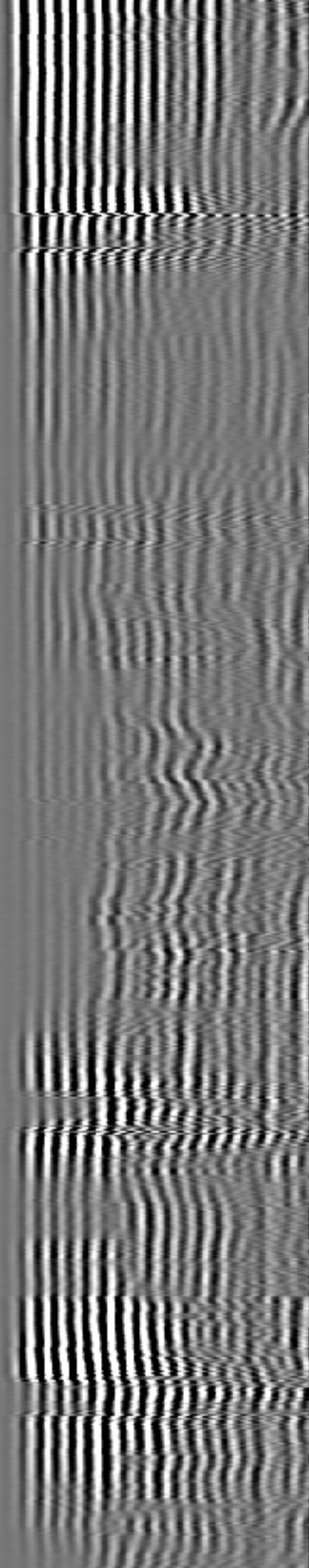
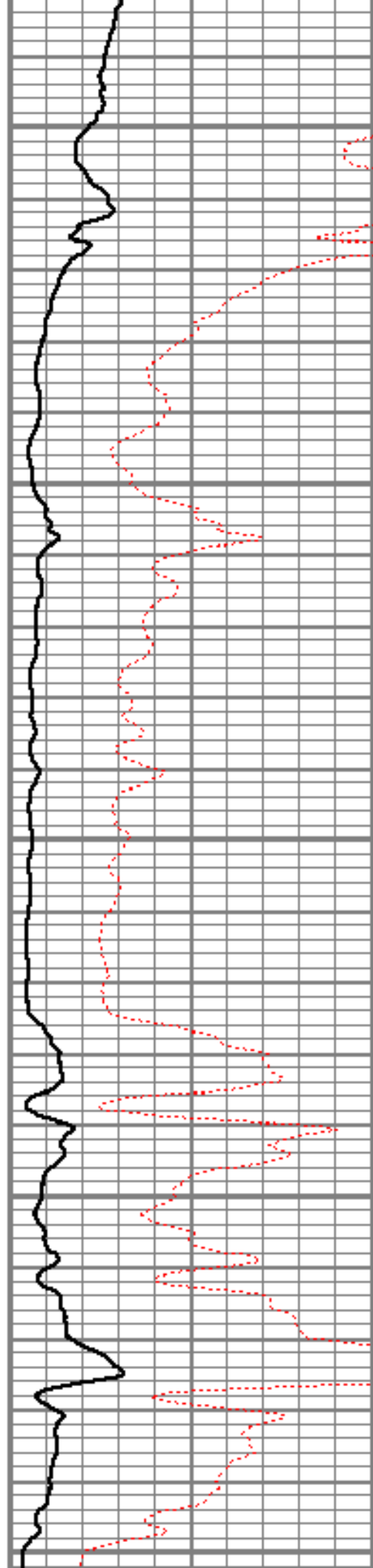
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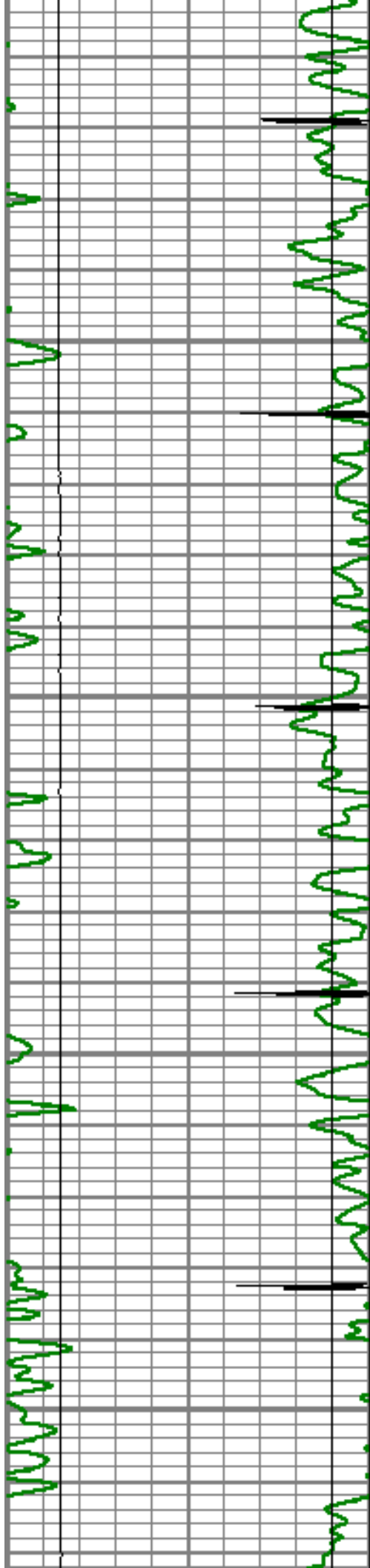
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4150

4200

4250



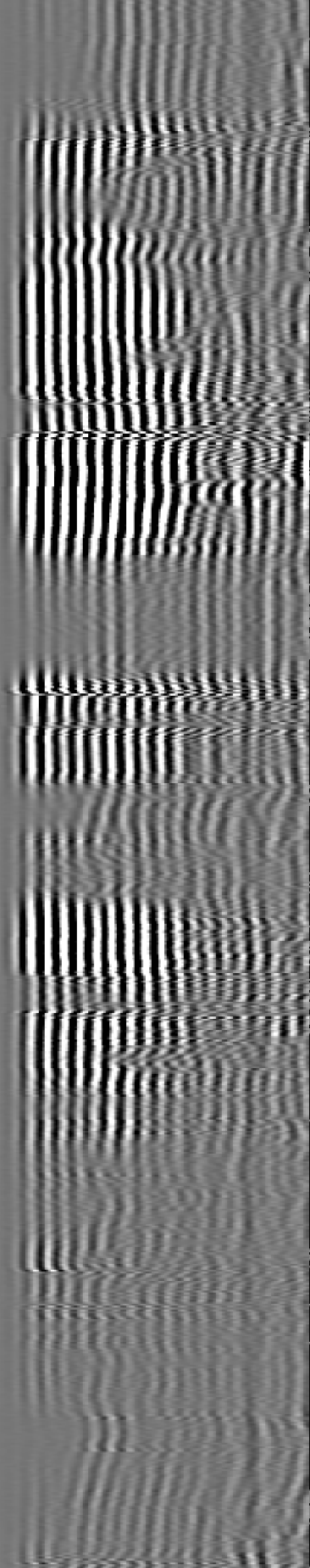
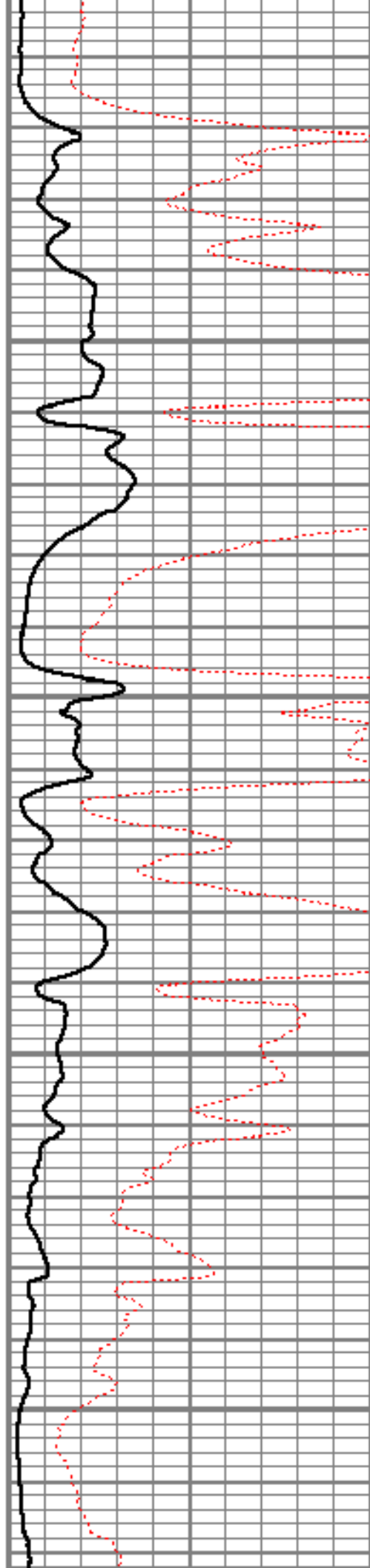


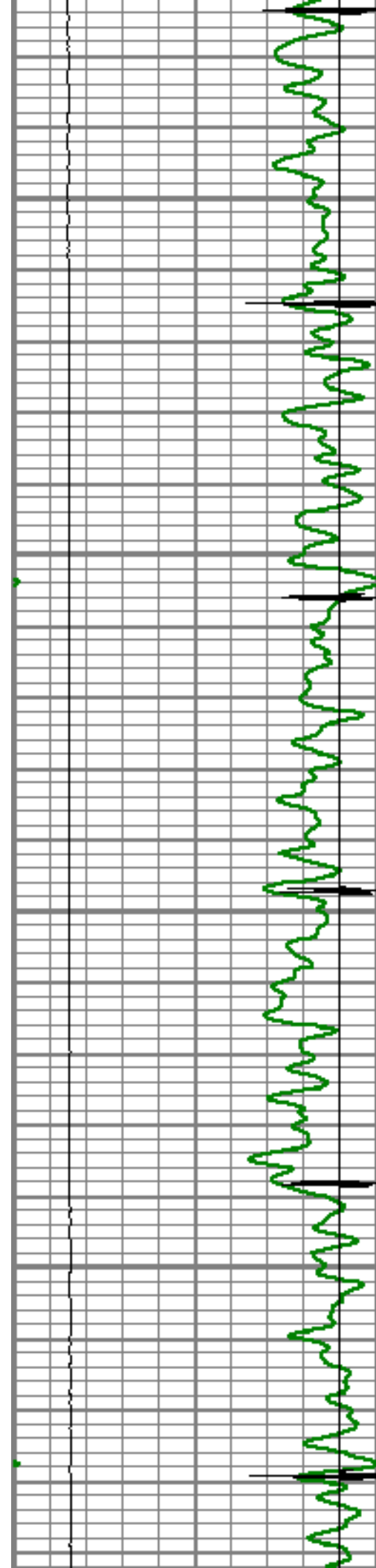
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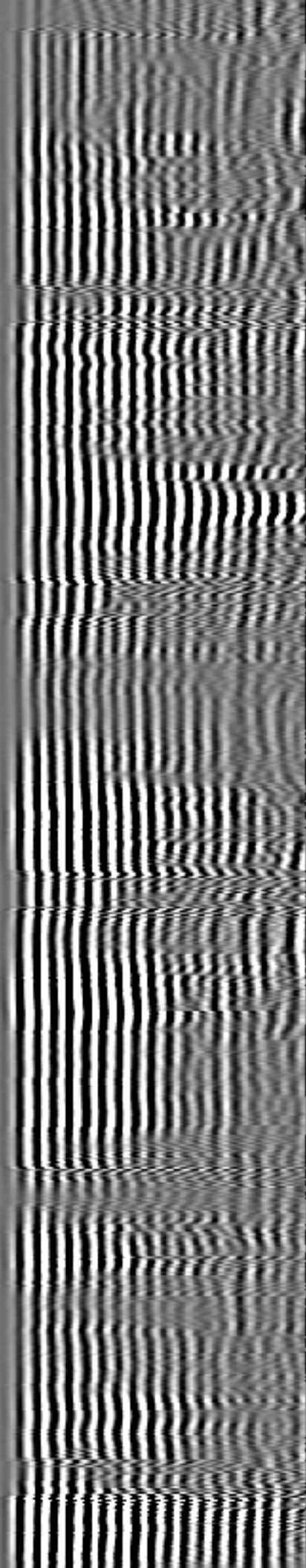
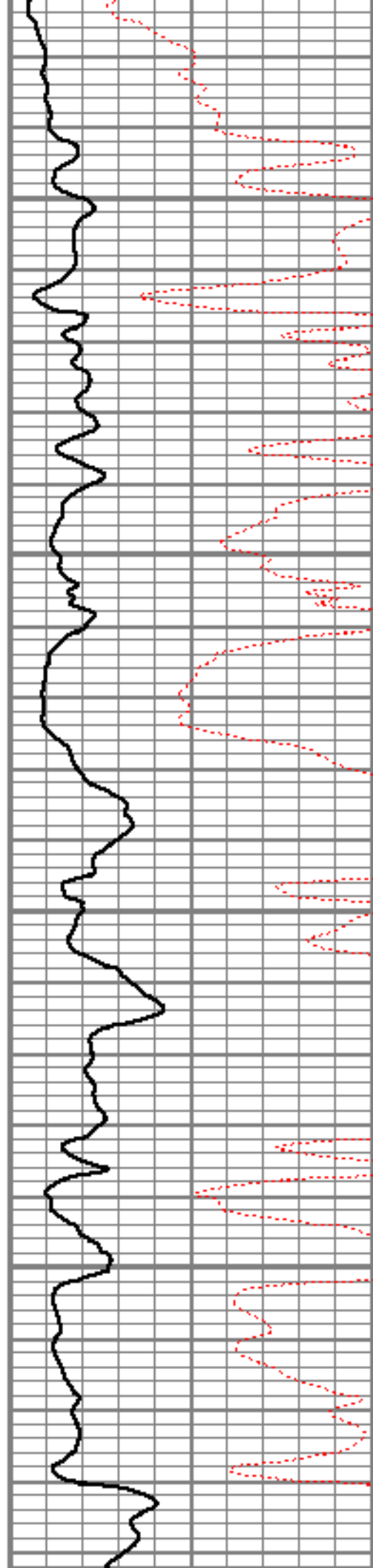


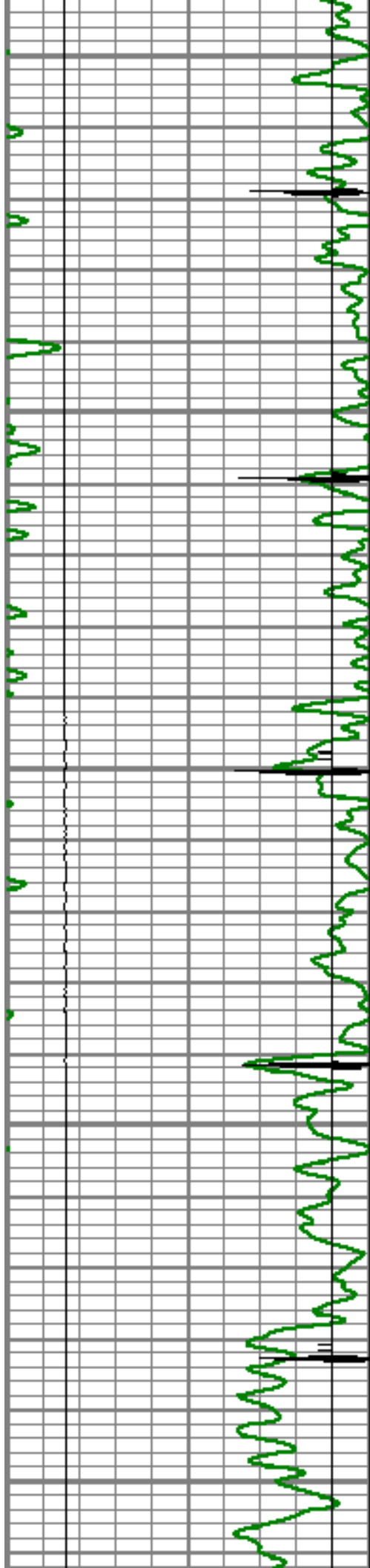
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4550

4600

4650





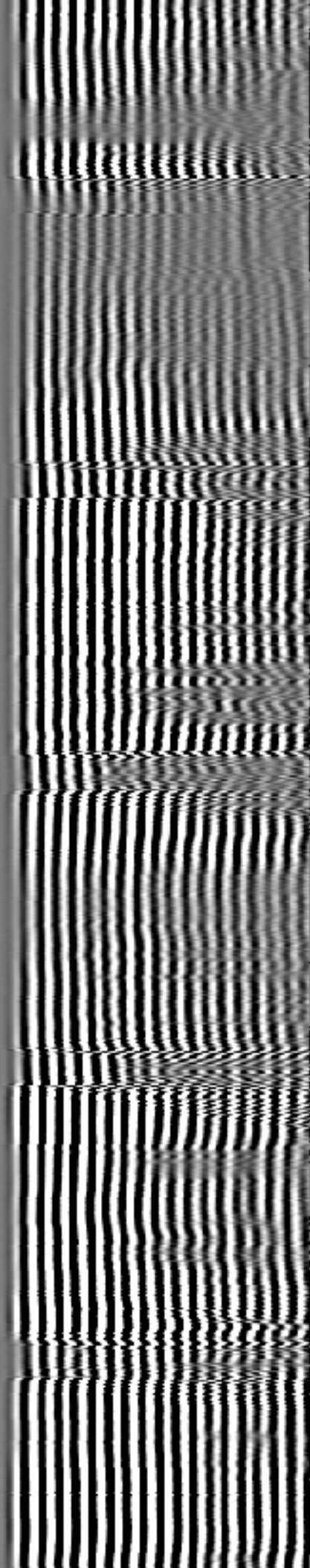
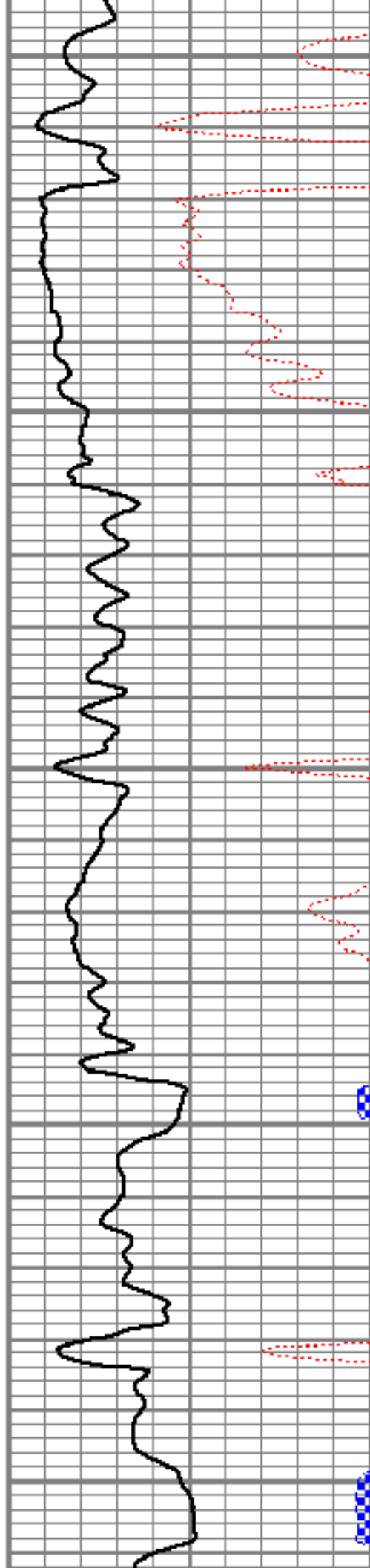
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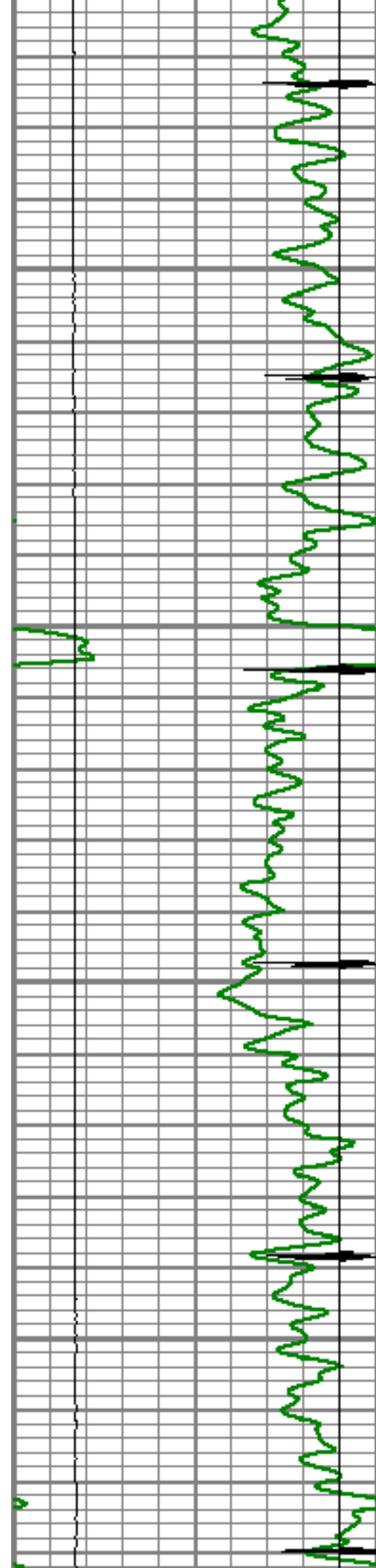
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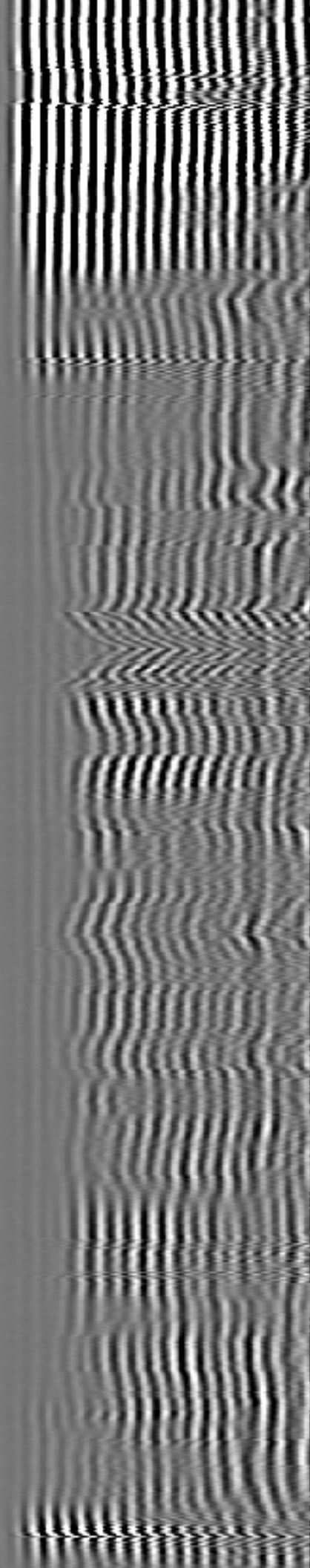
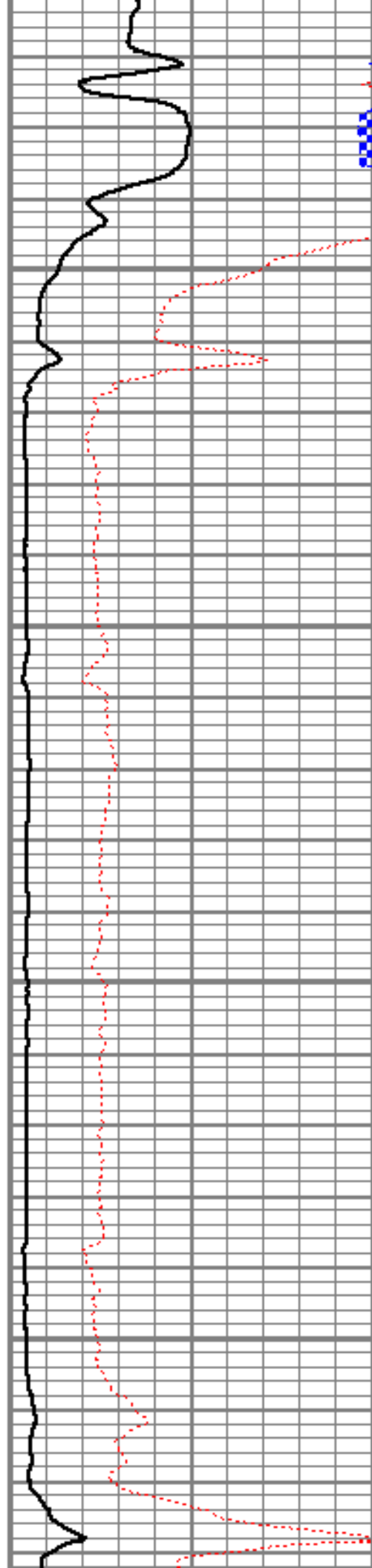


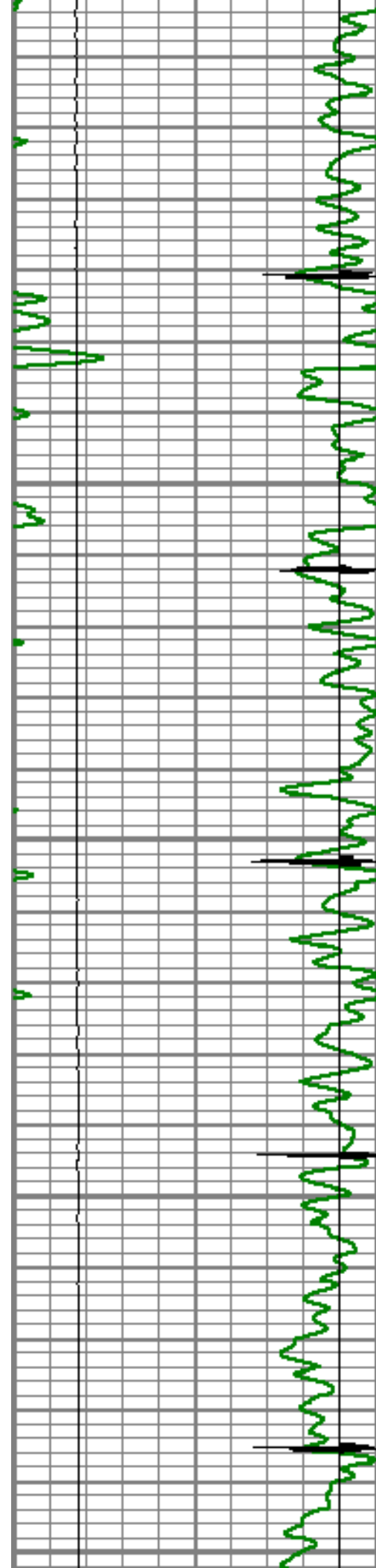
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5000

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5100





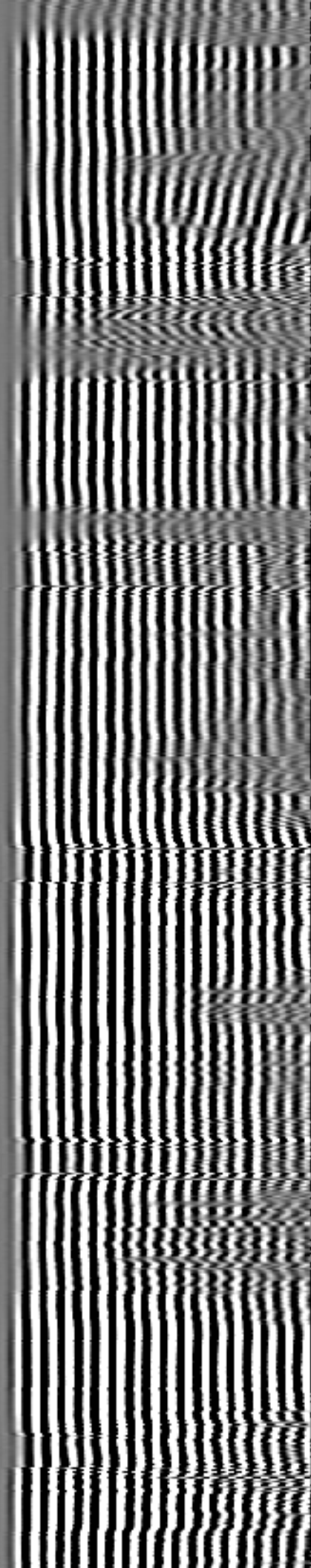
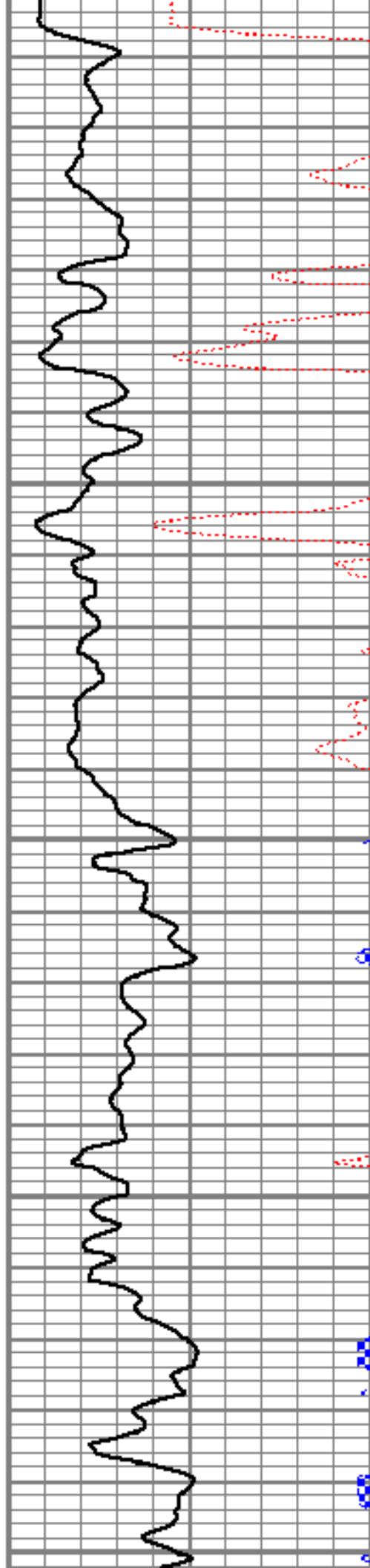
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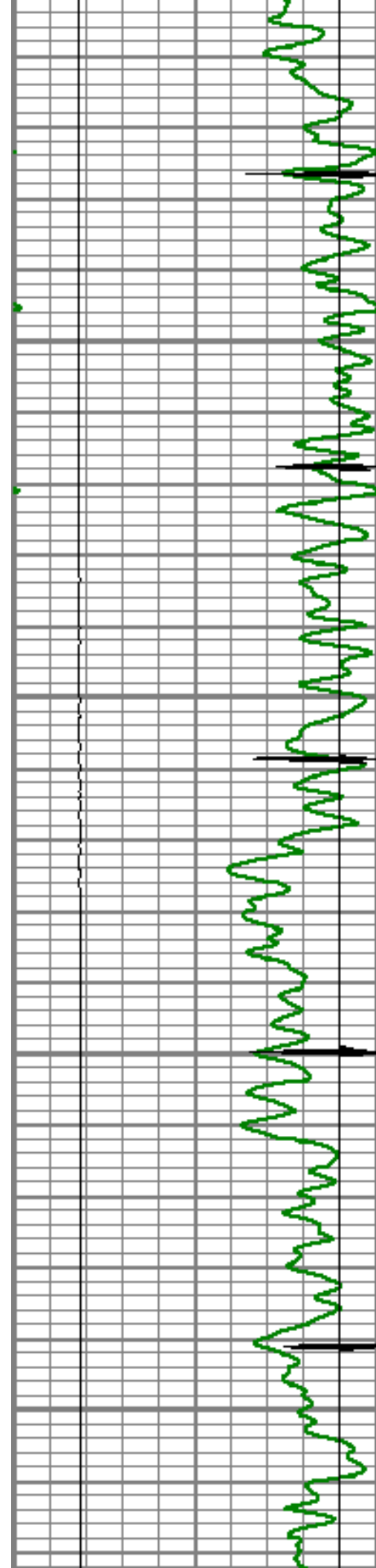
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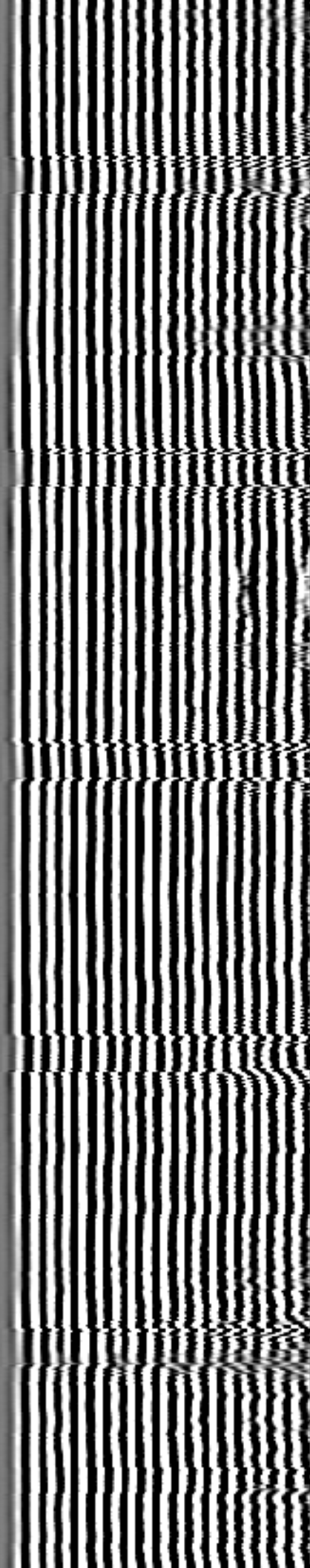
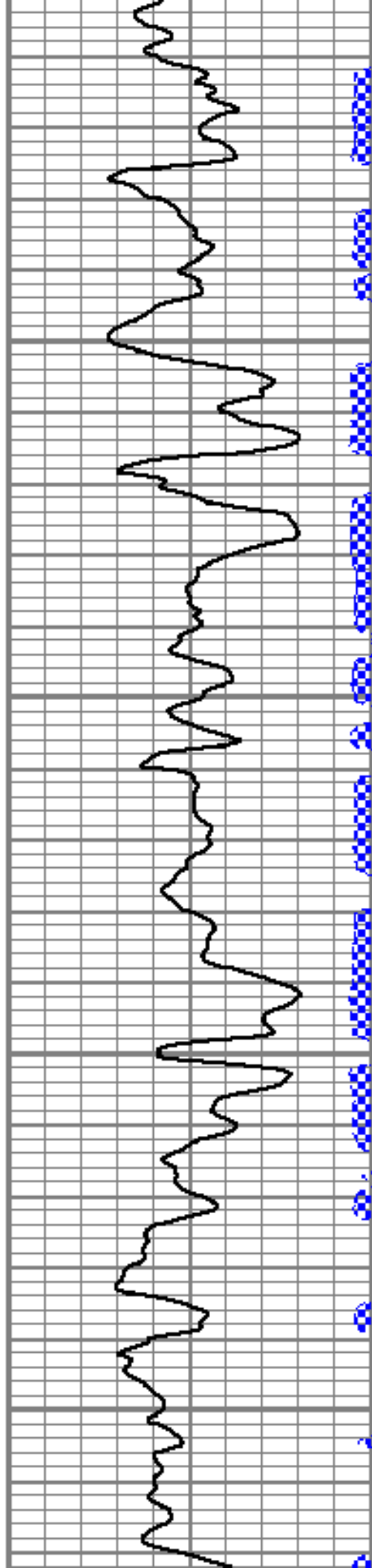


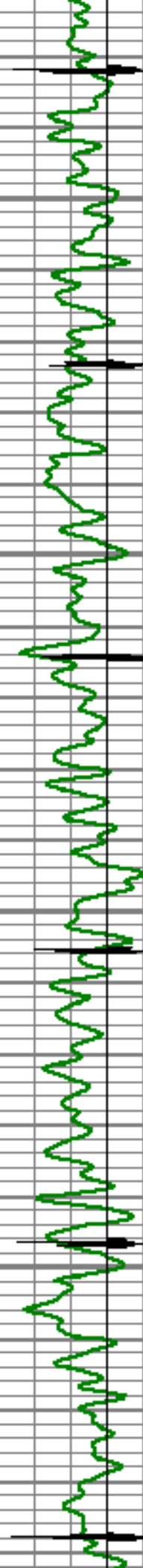
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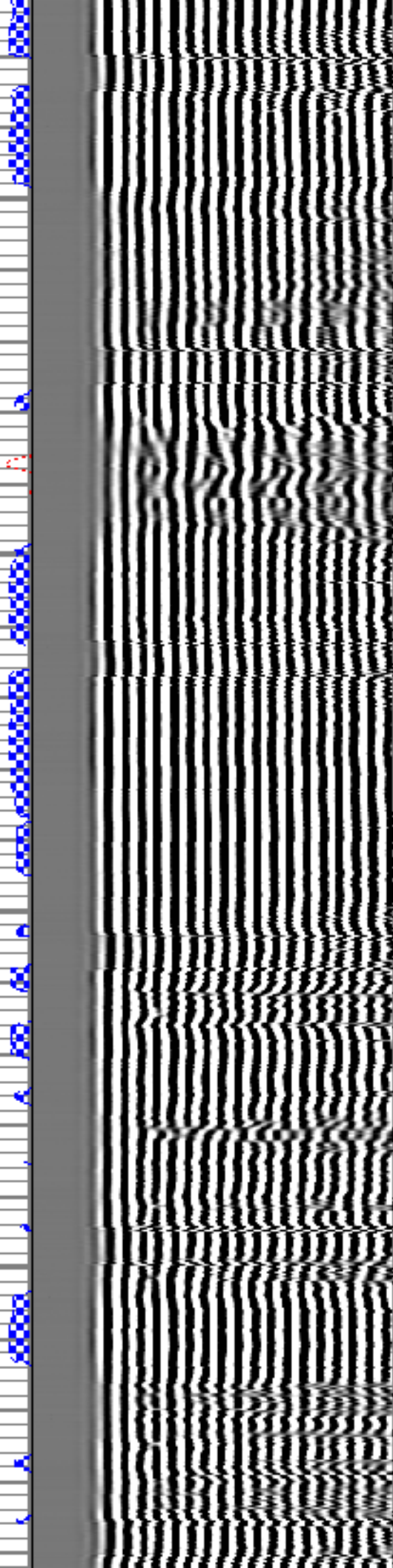
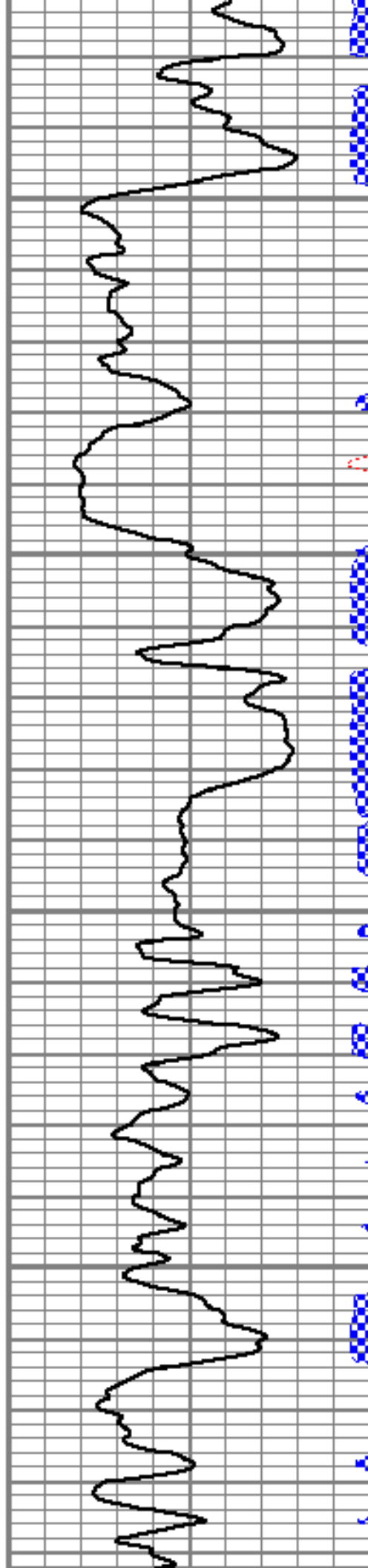


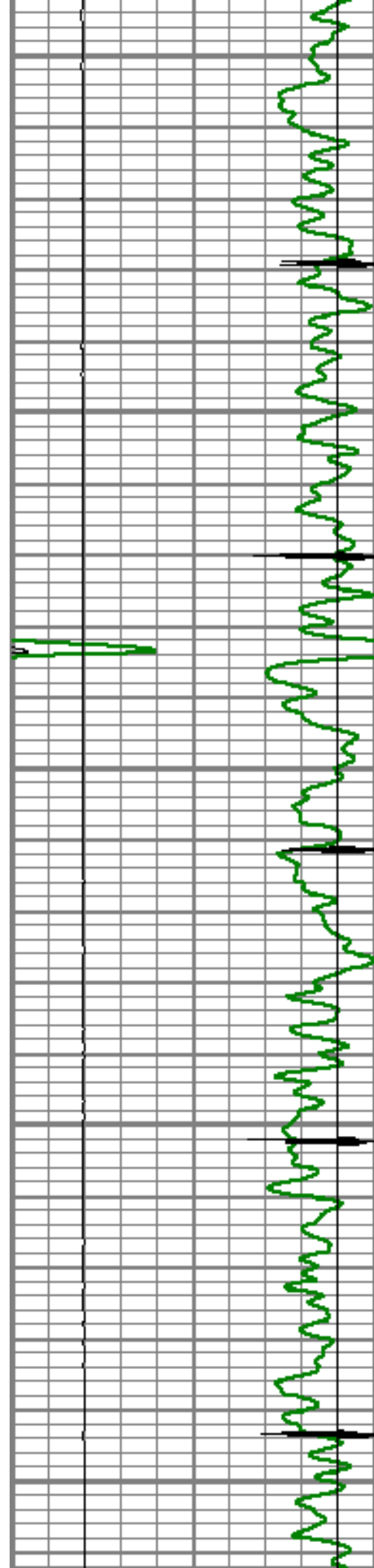
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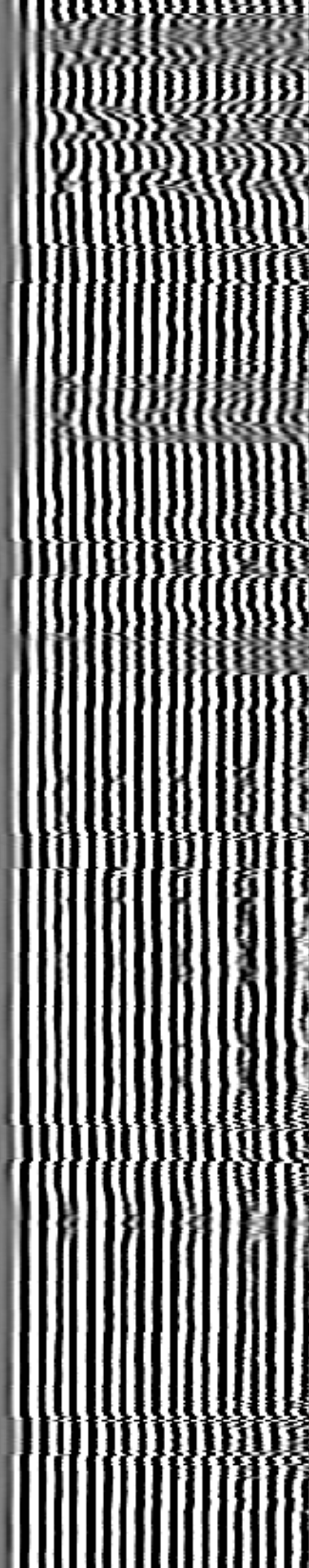
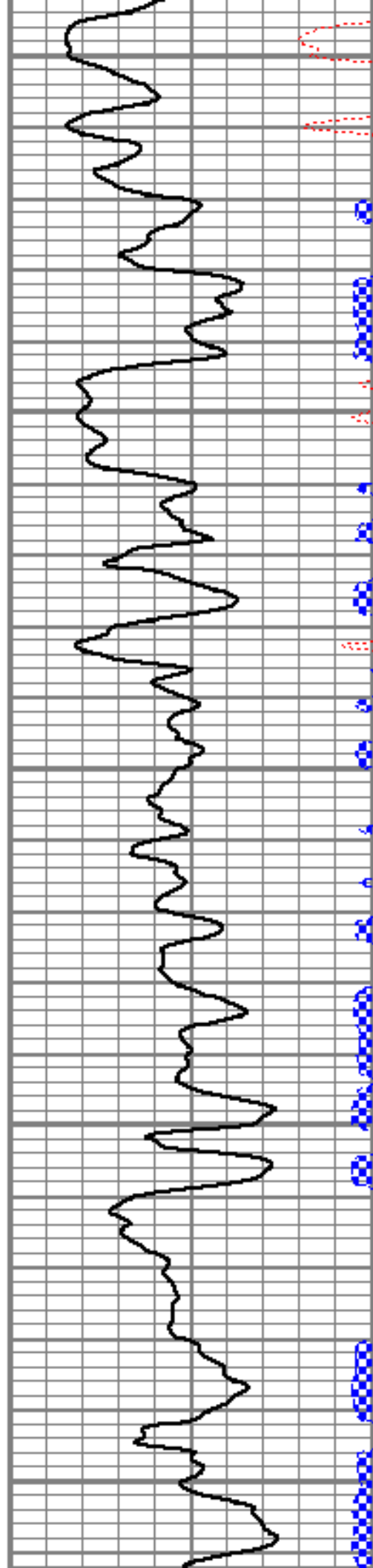
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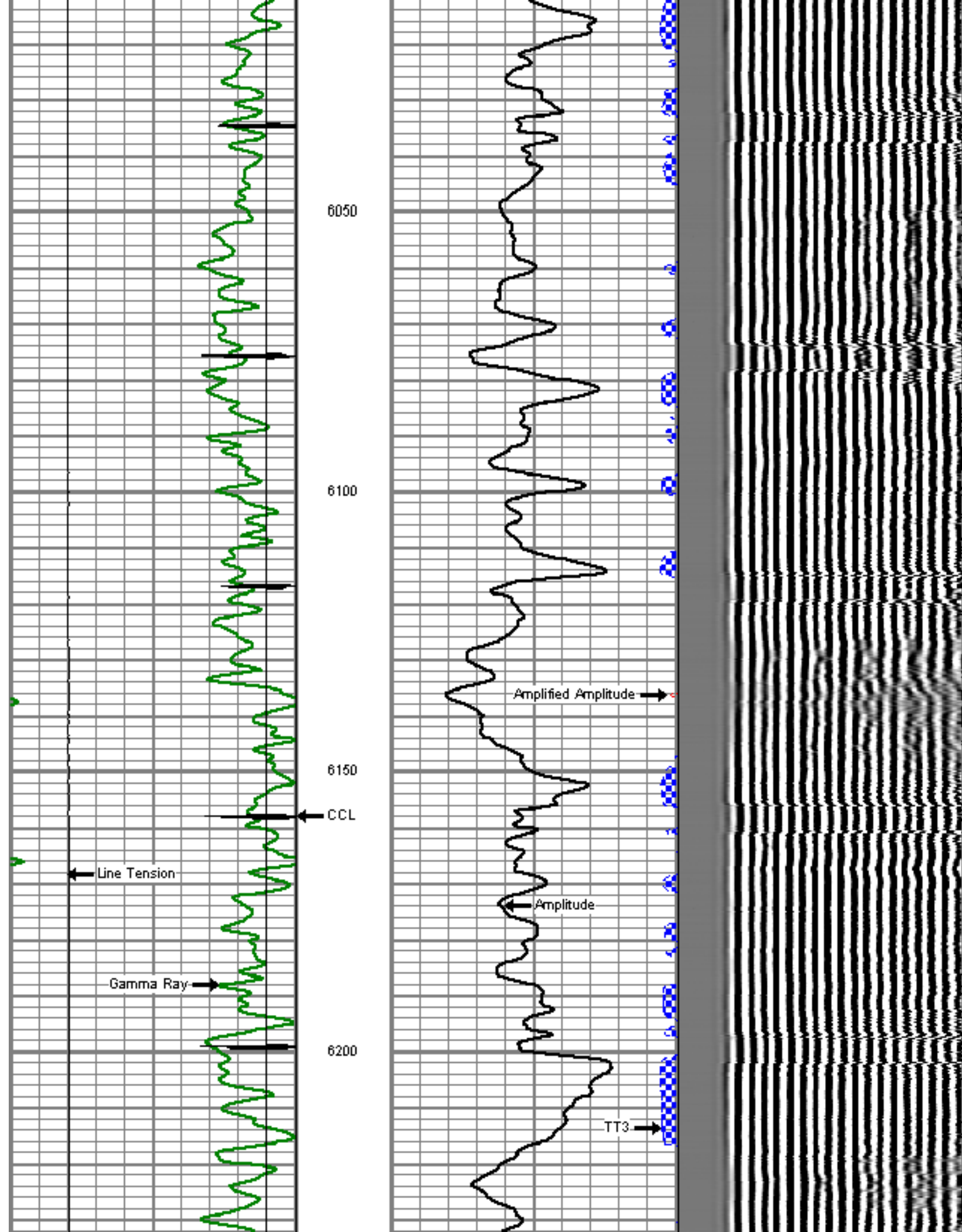
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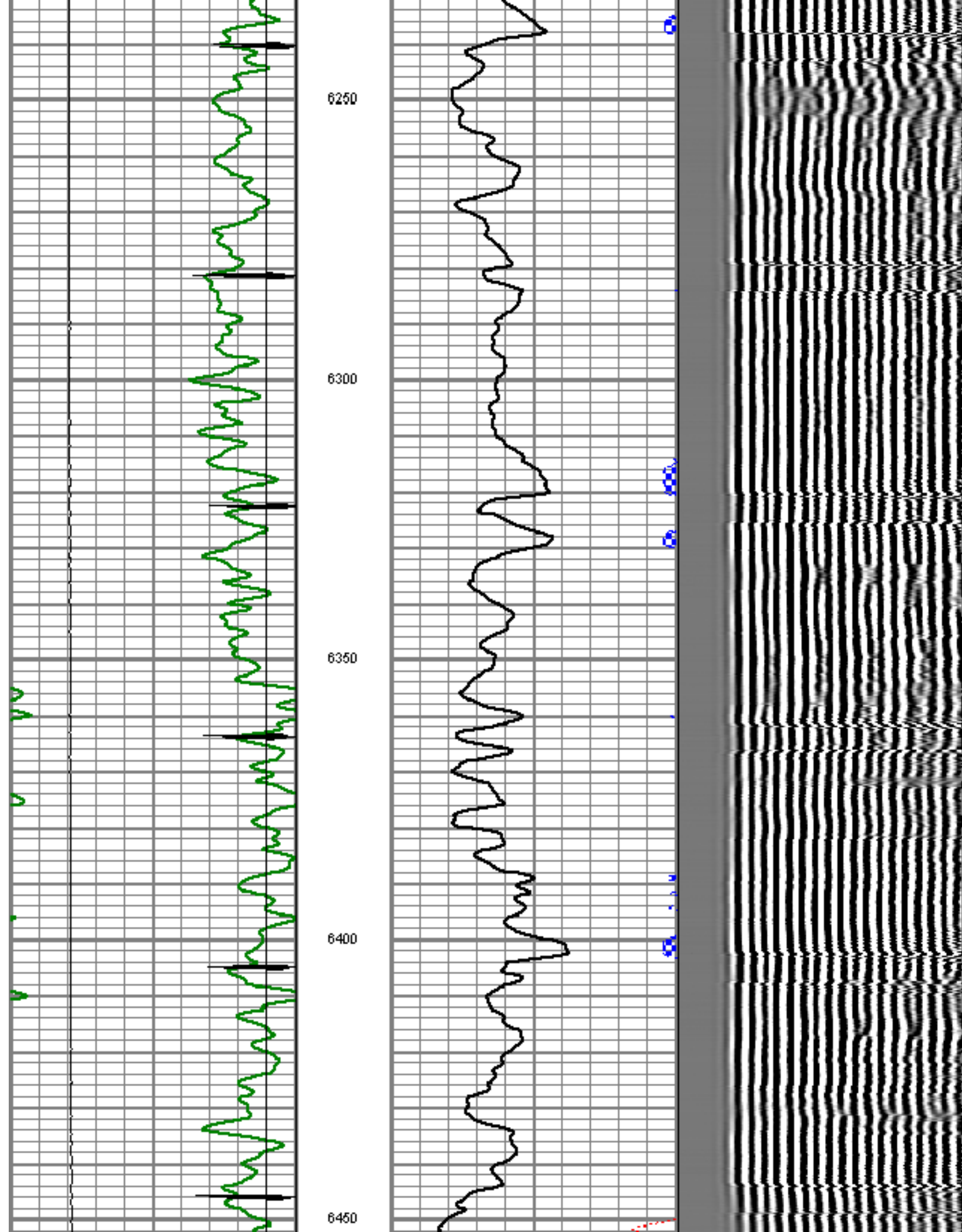
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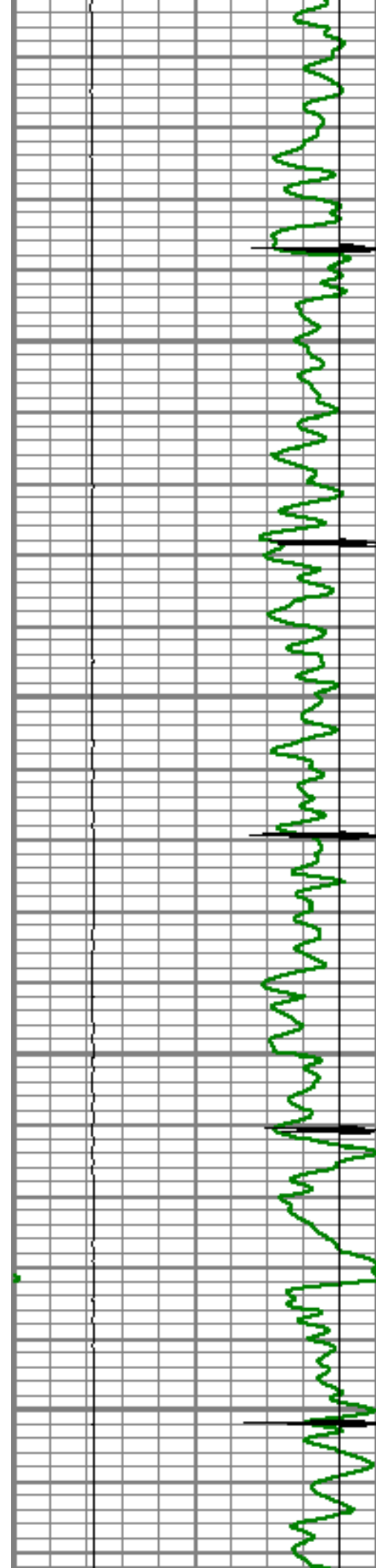
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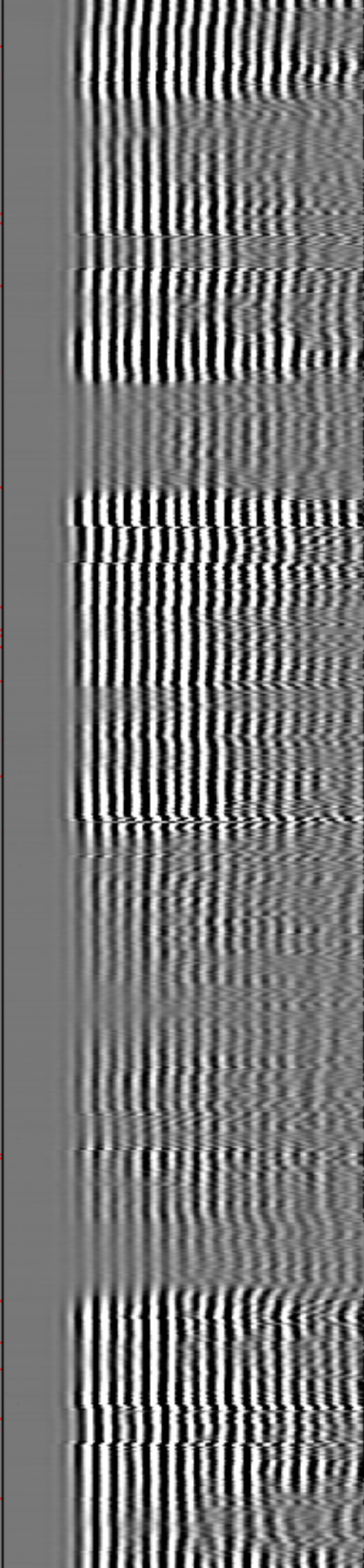
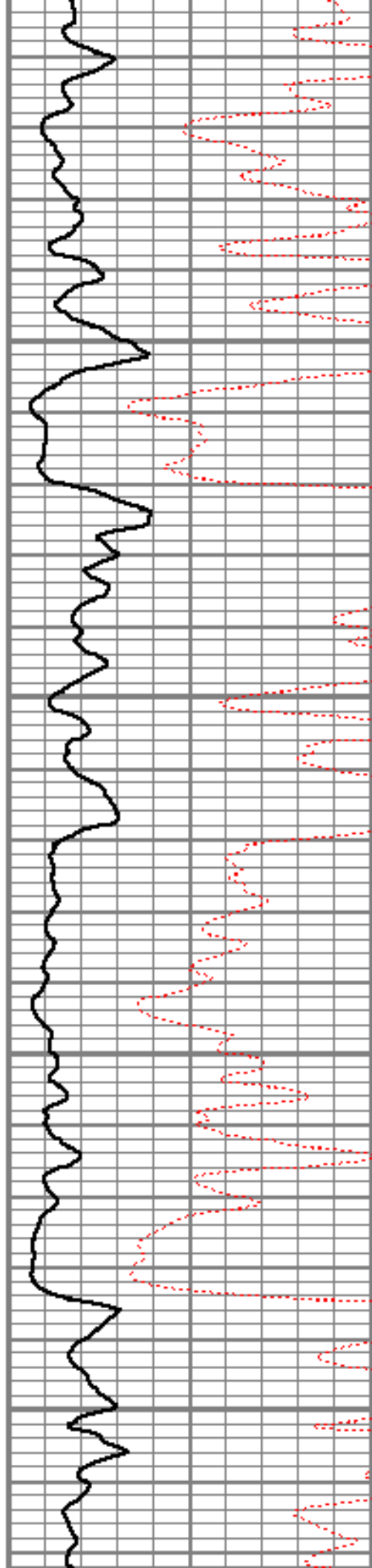


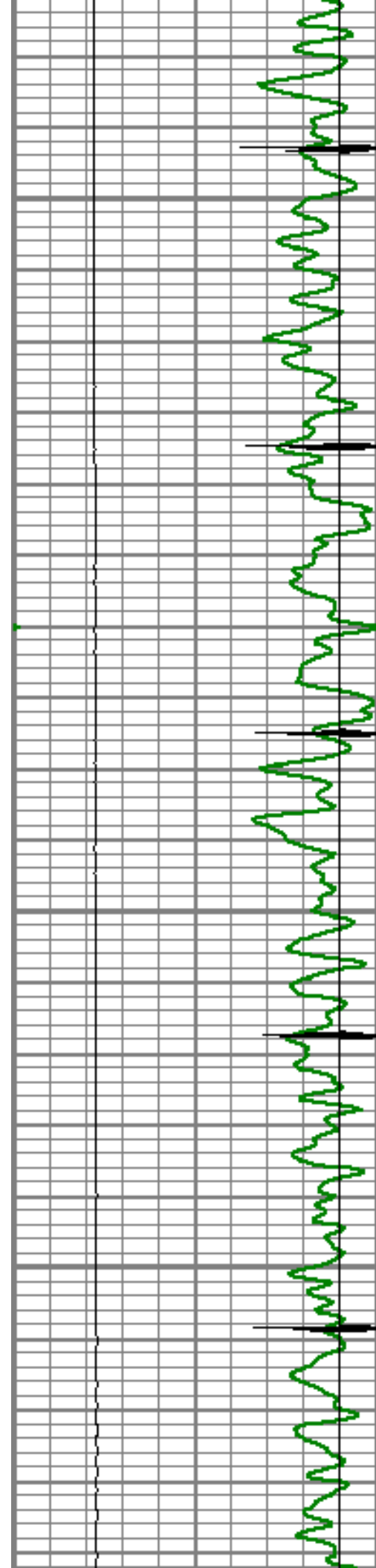
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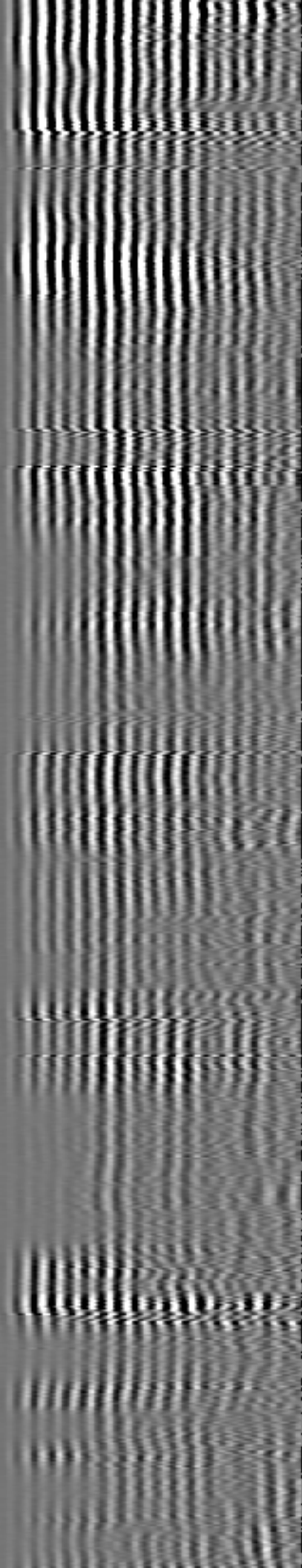
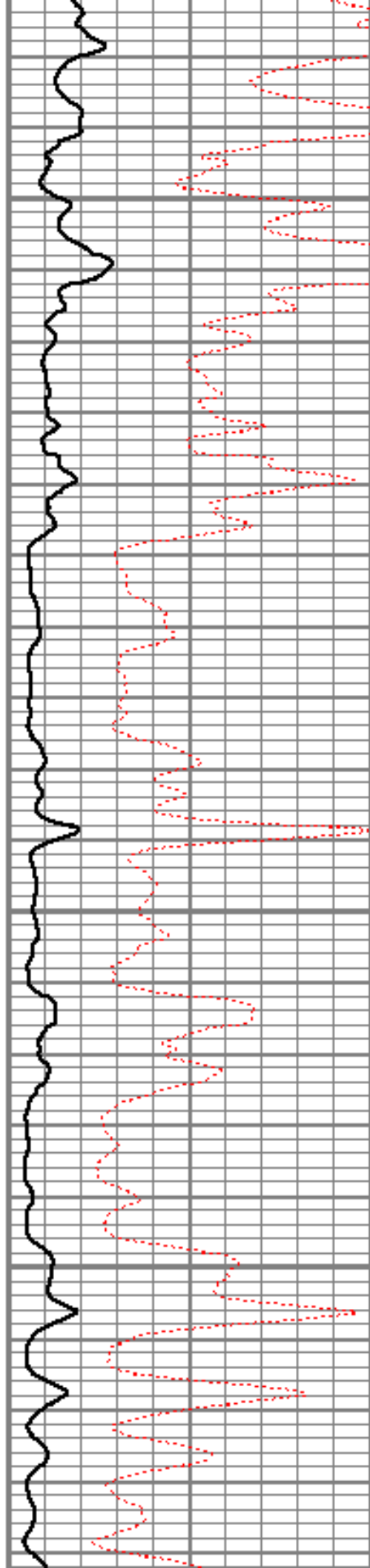


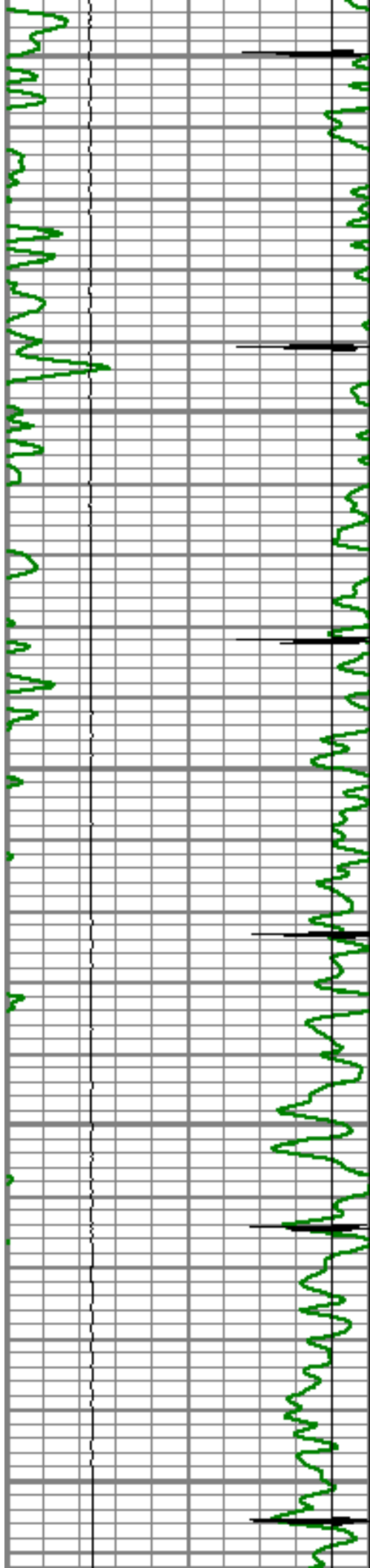
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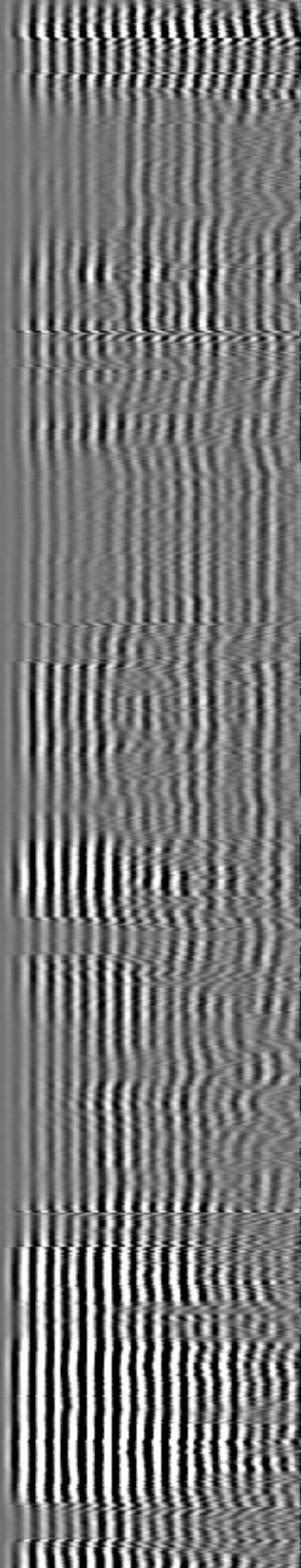
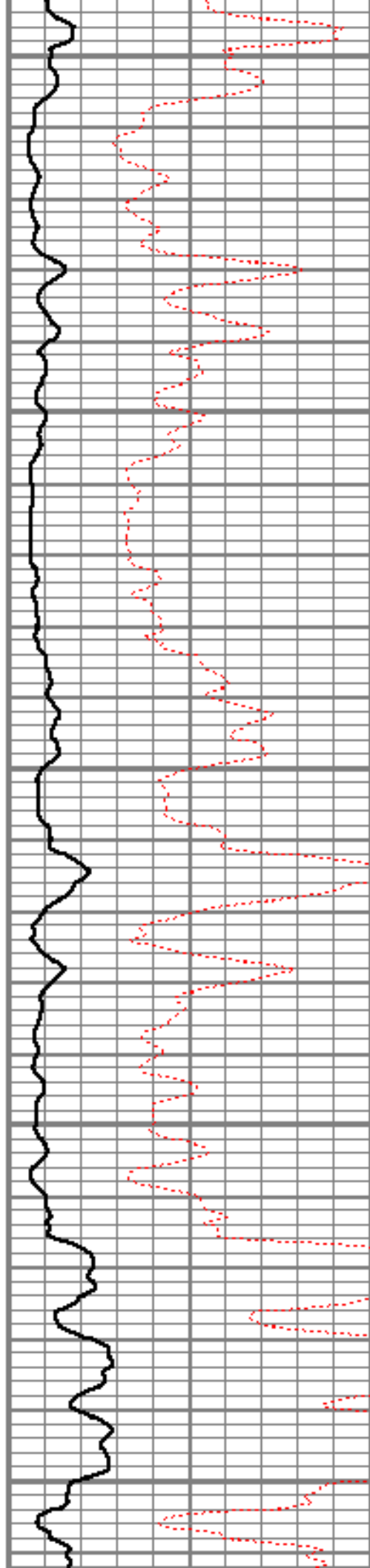
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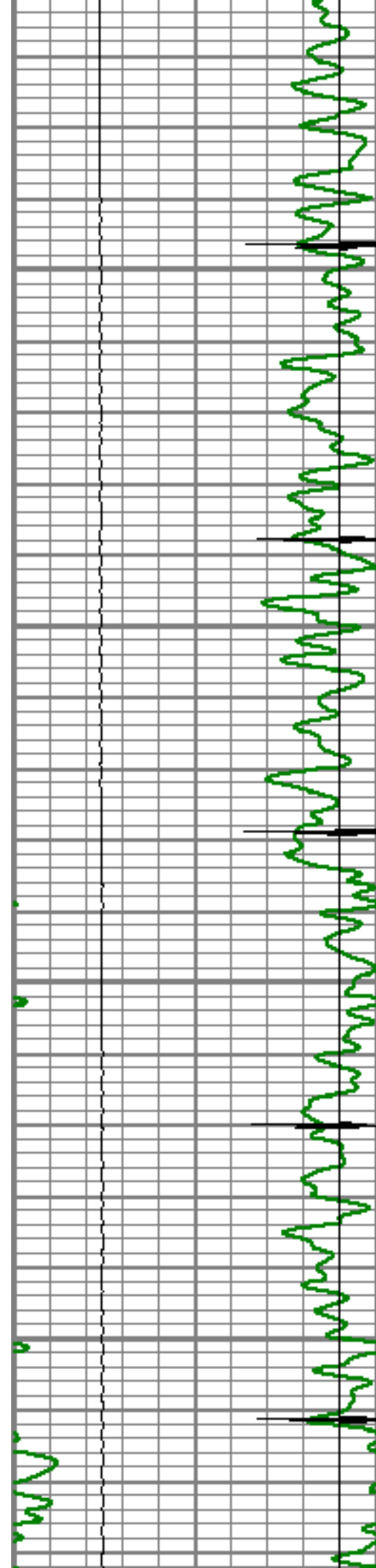
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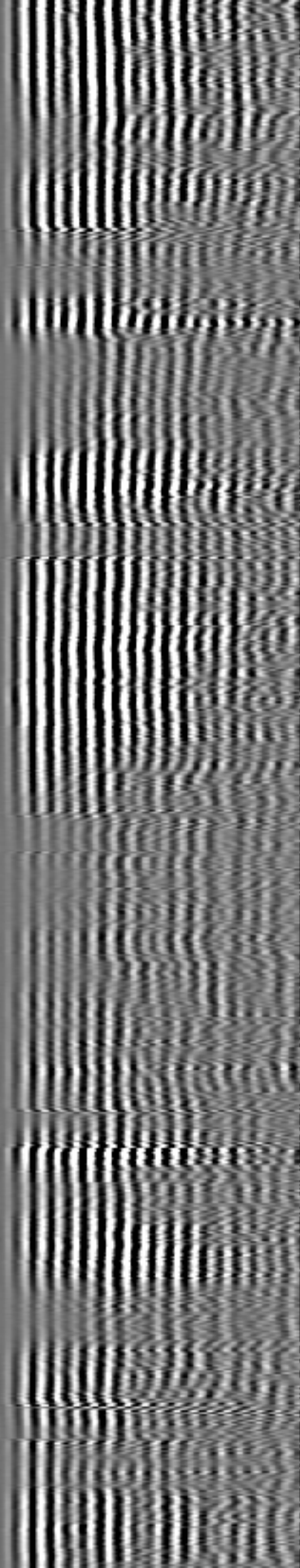
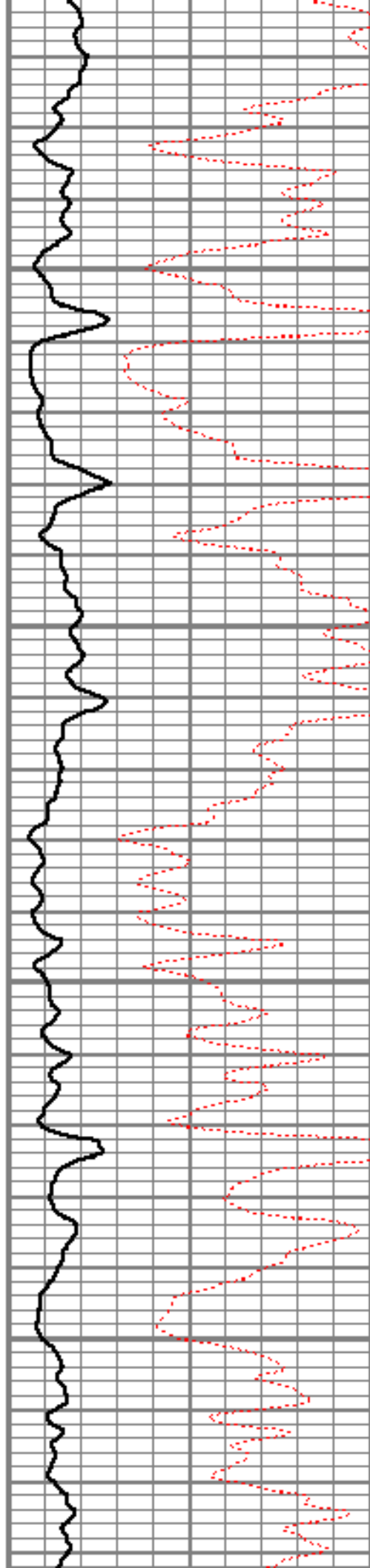


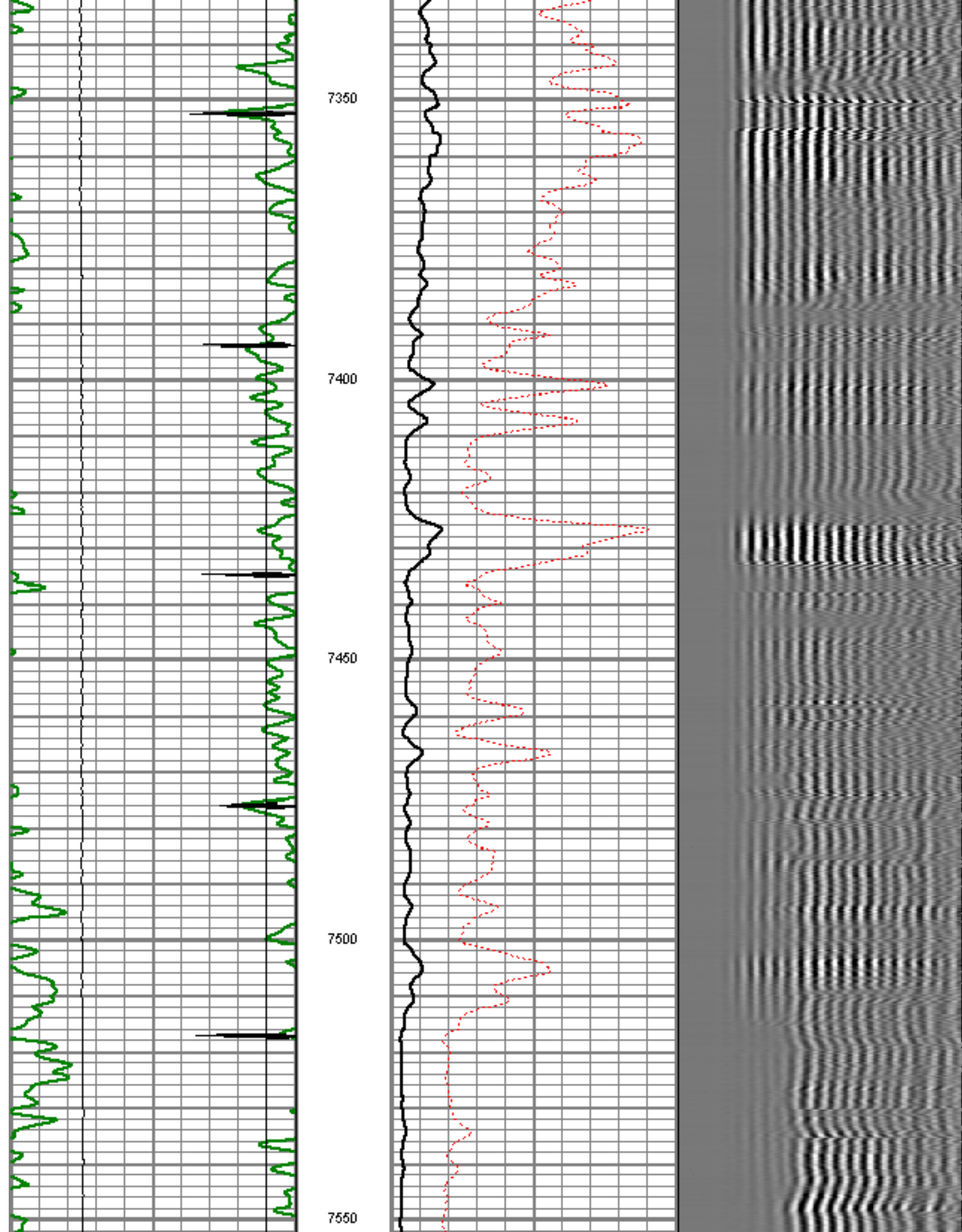
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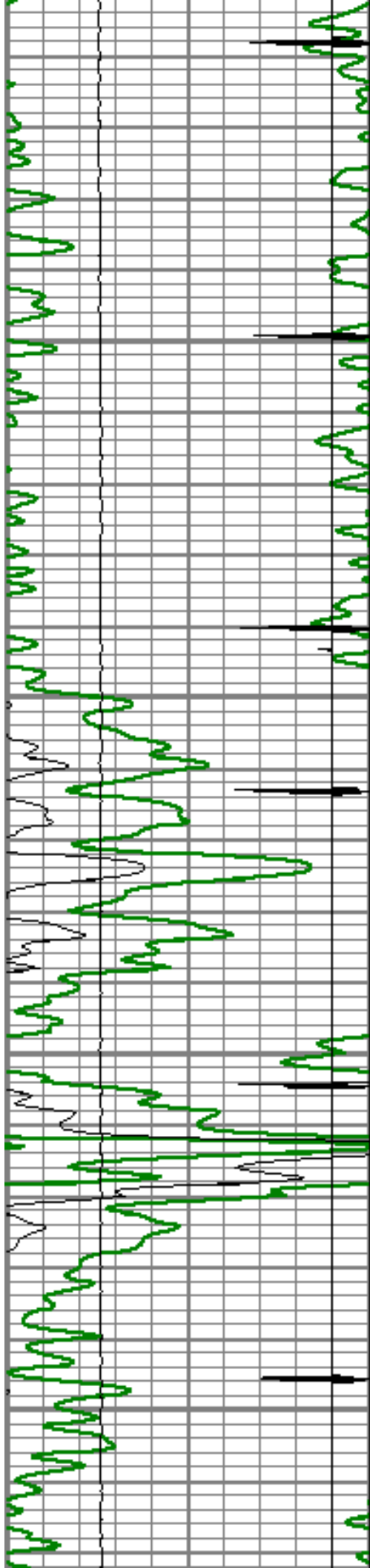
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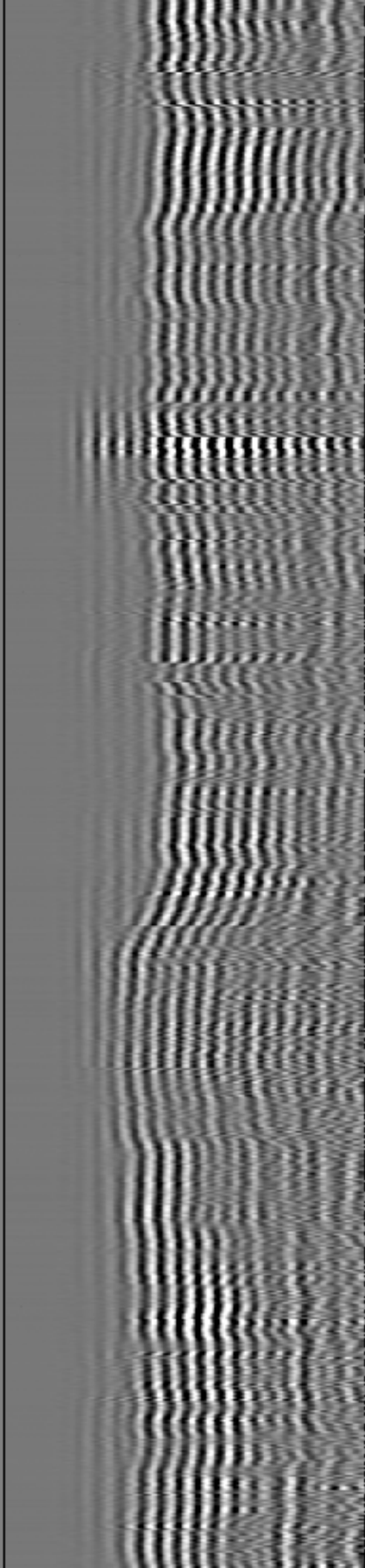
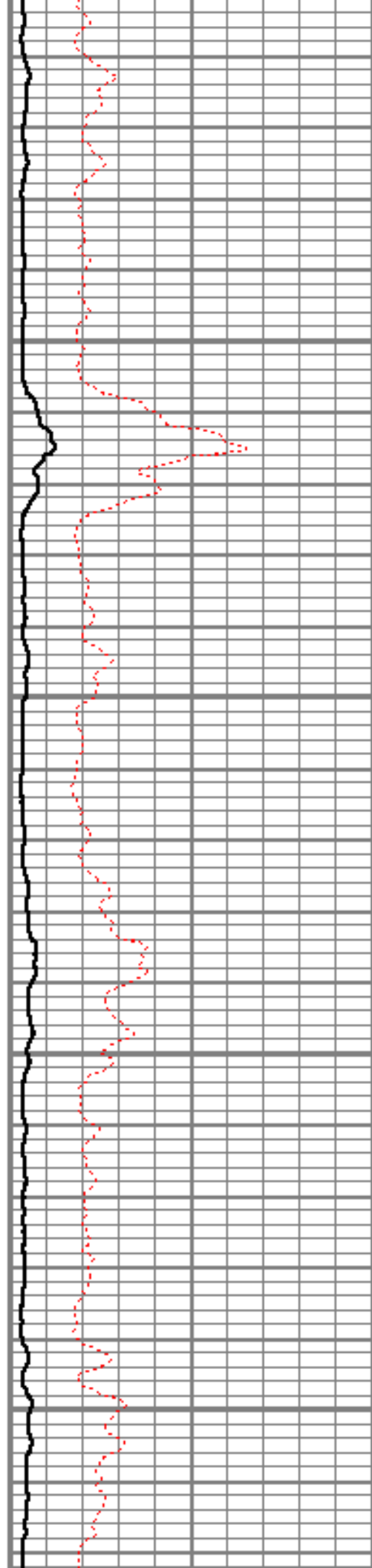


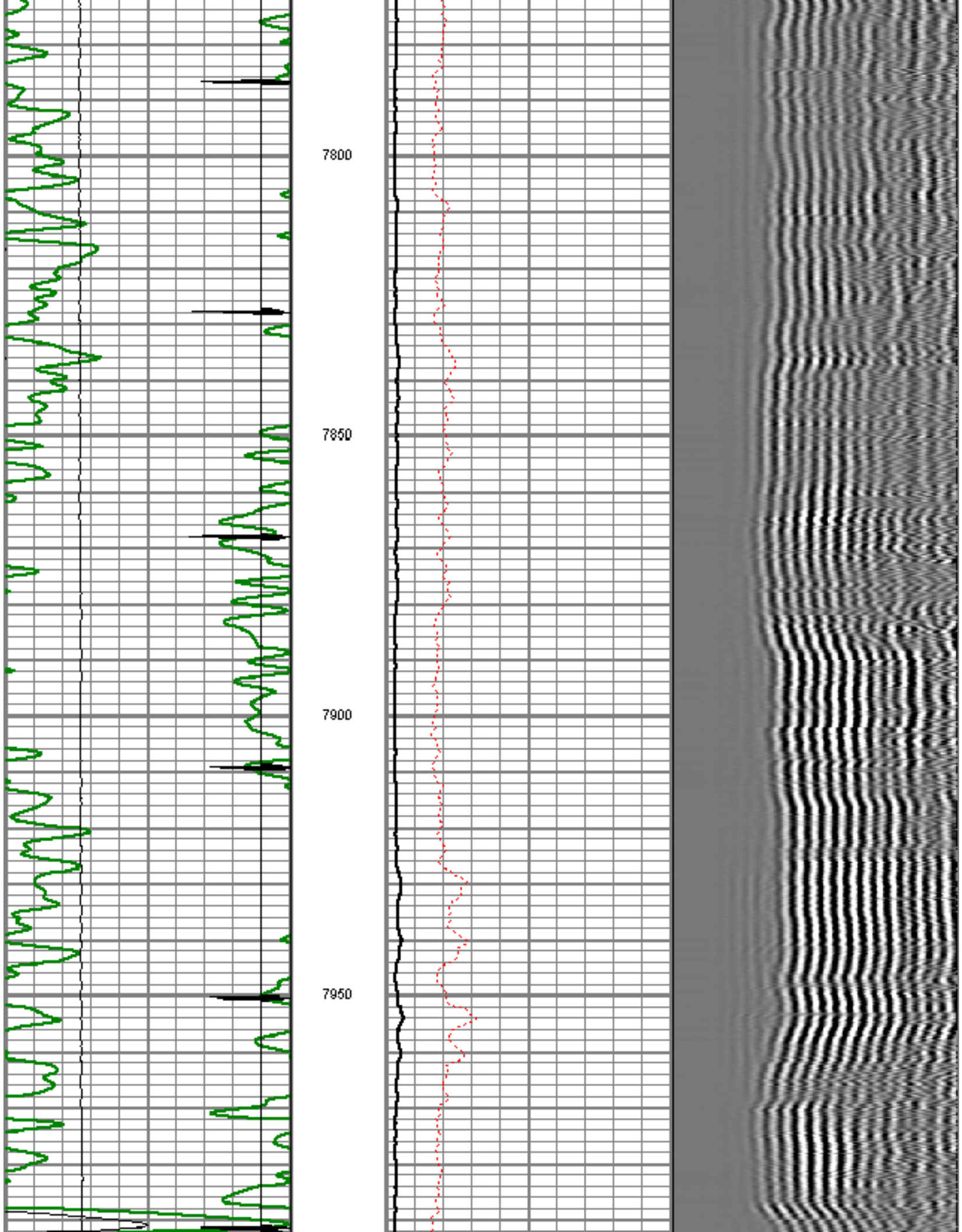
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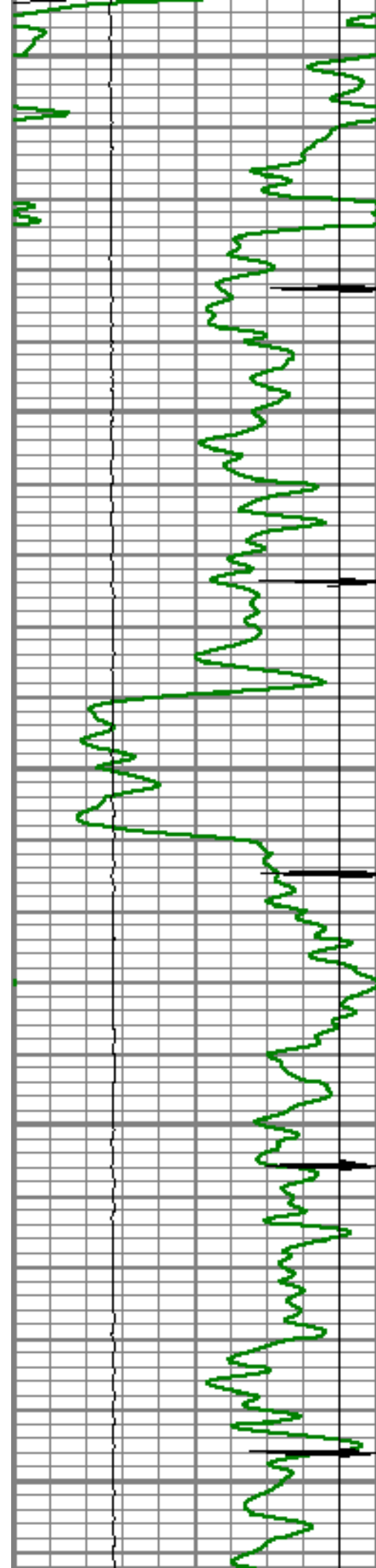
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Short Joint

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7750







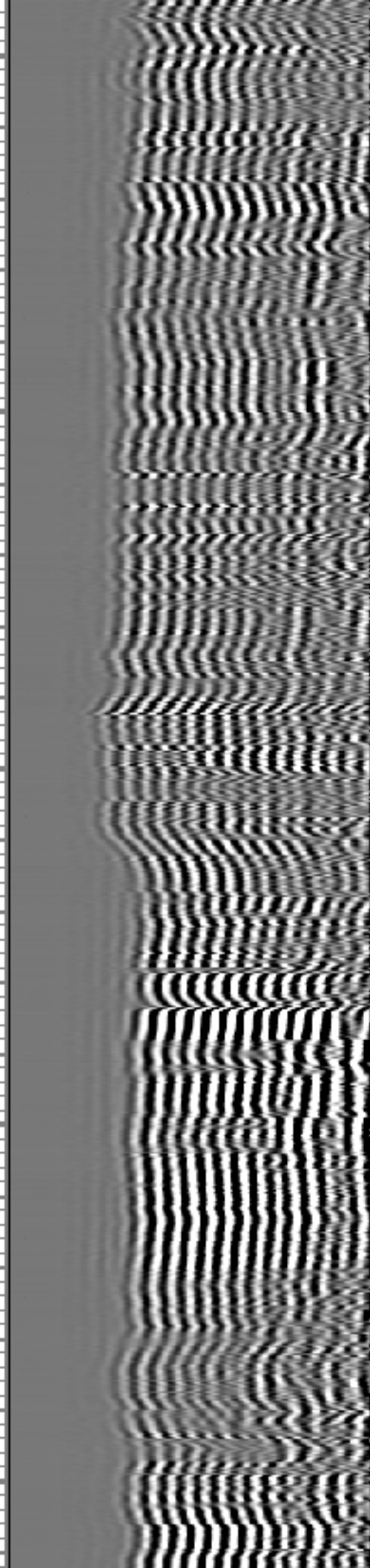
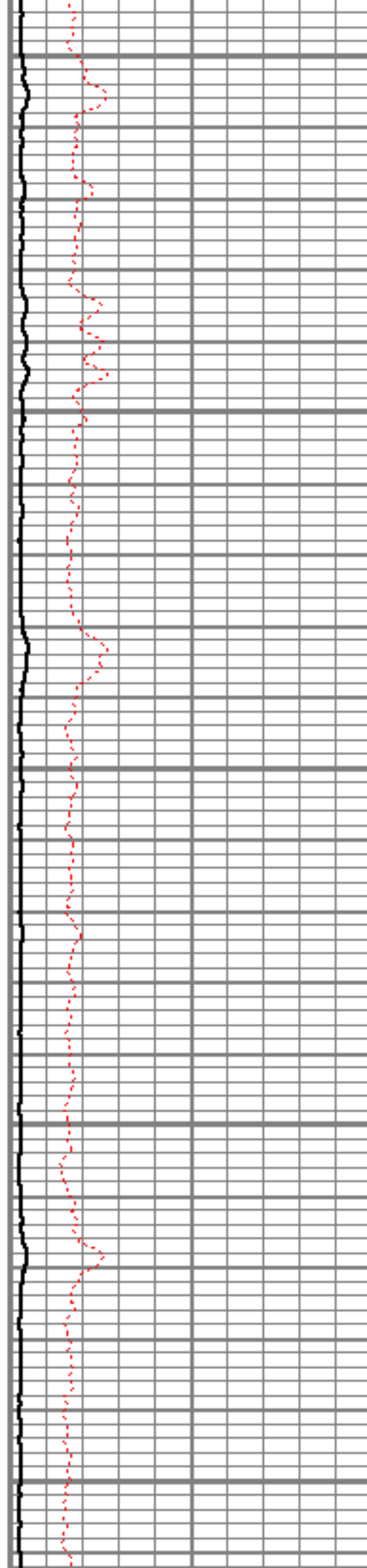
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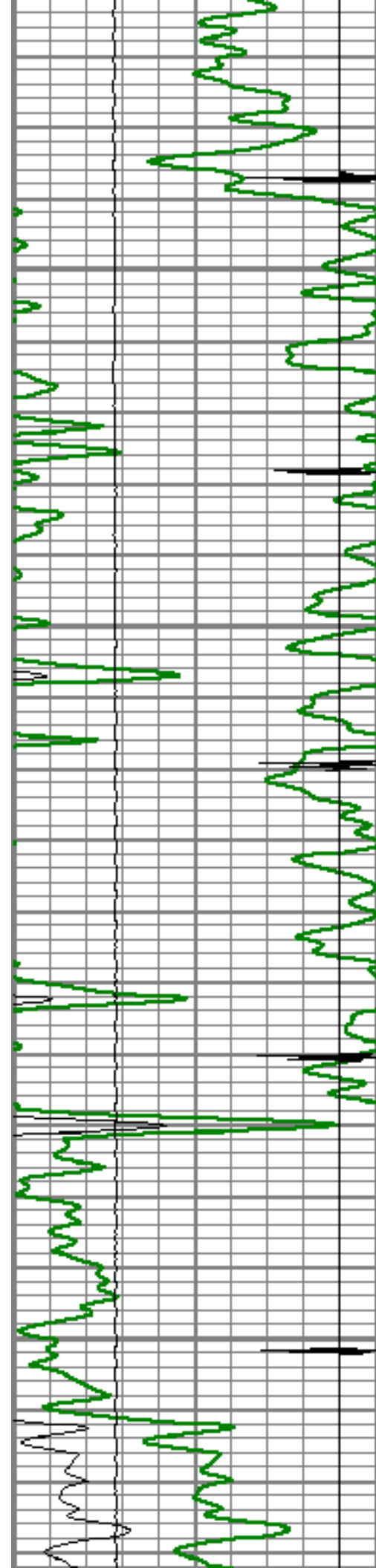
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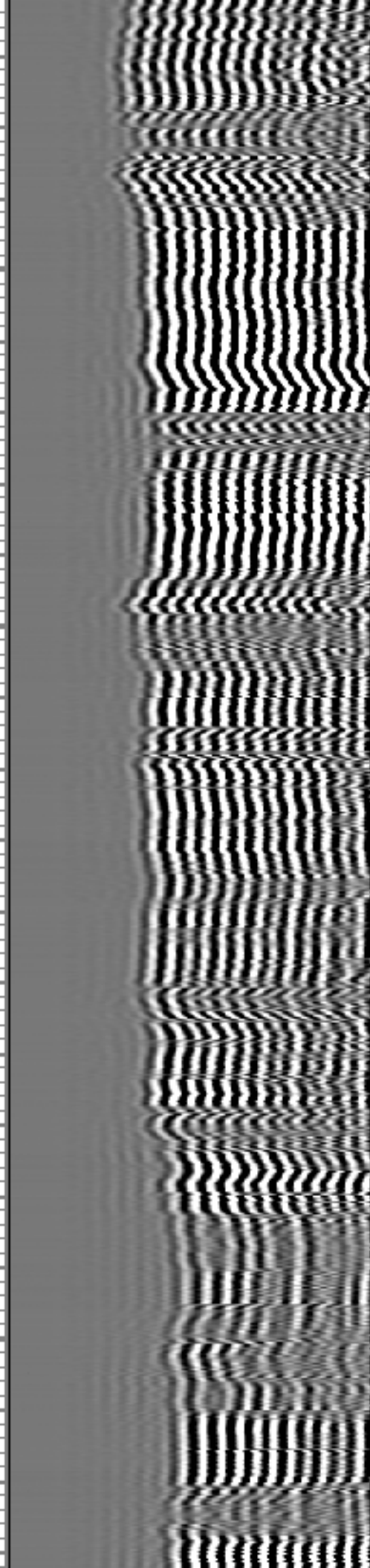
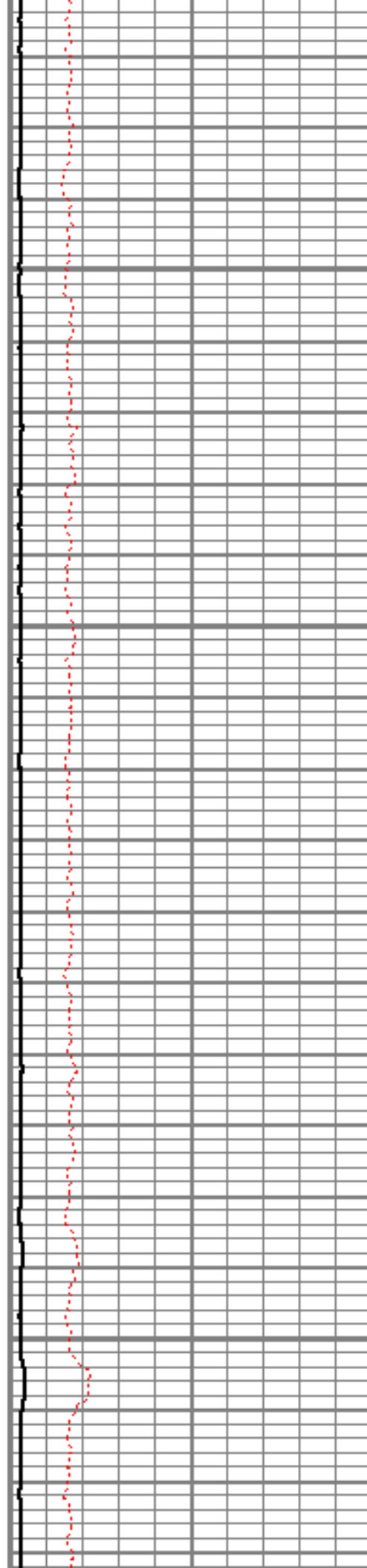


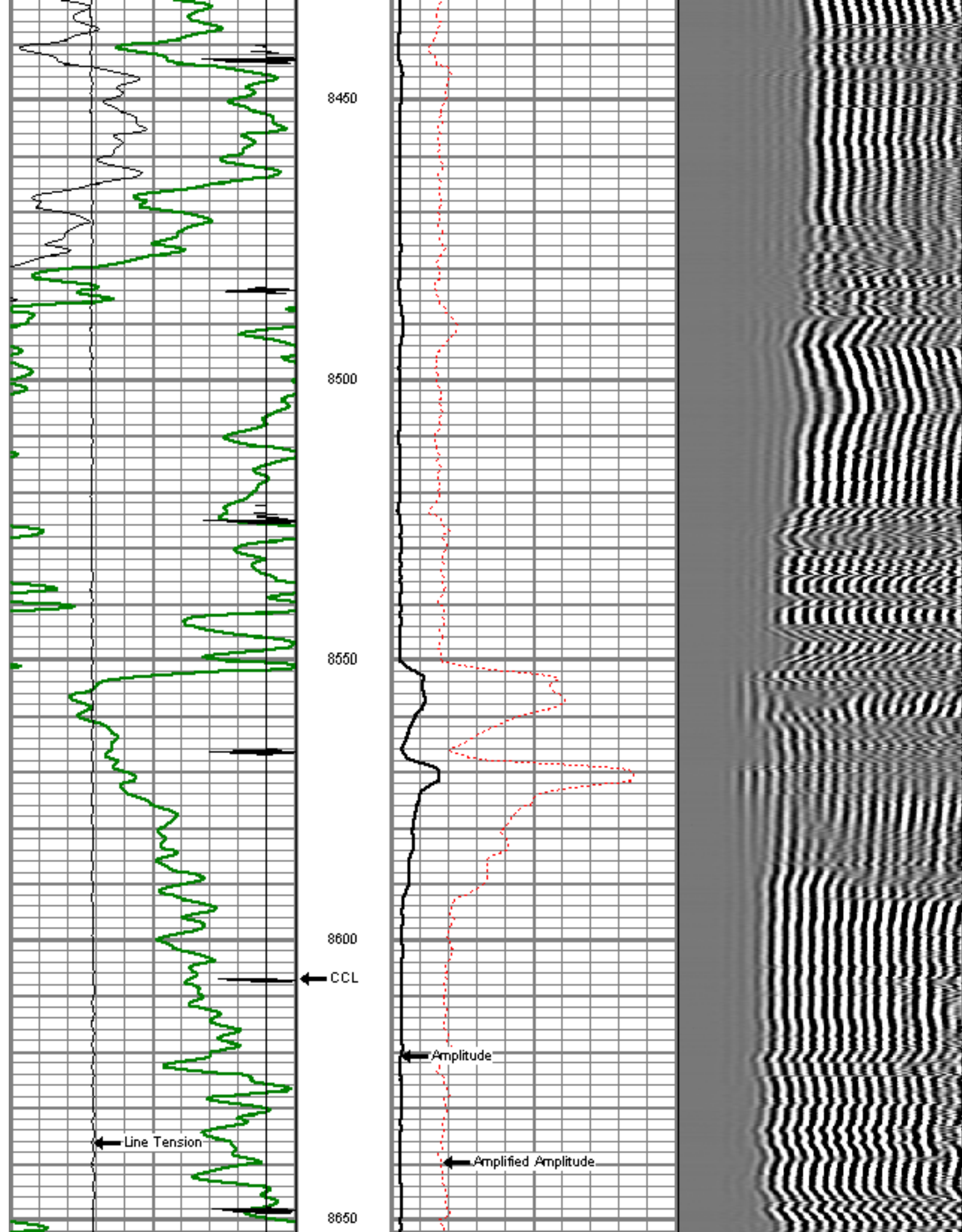
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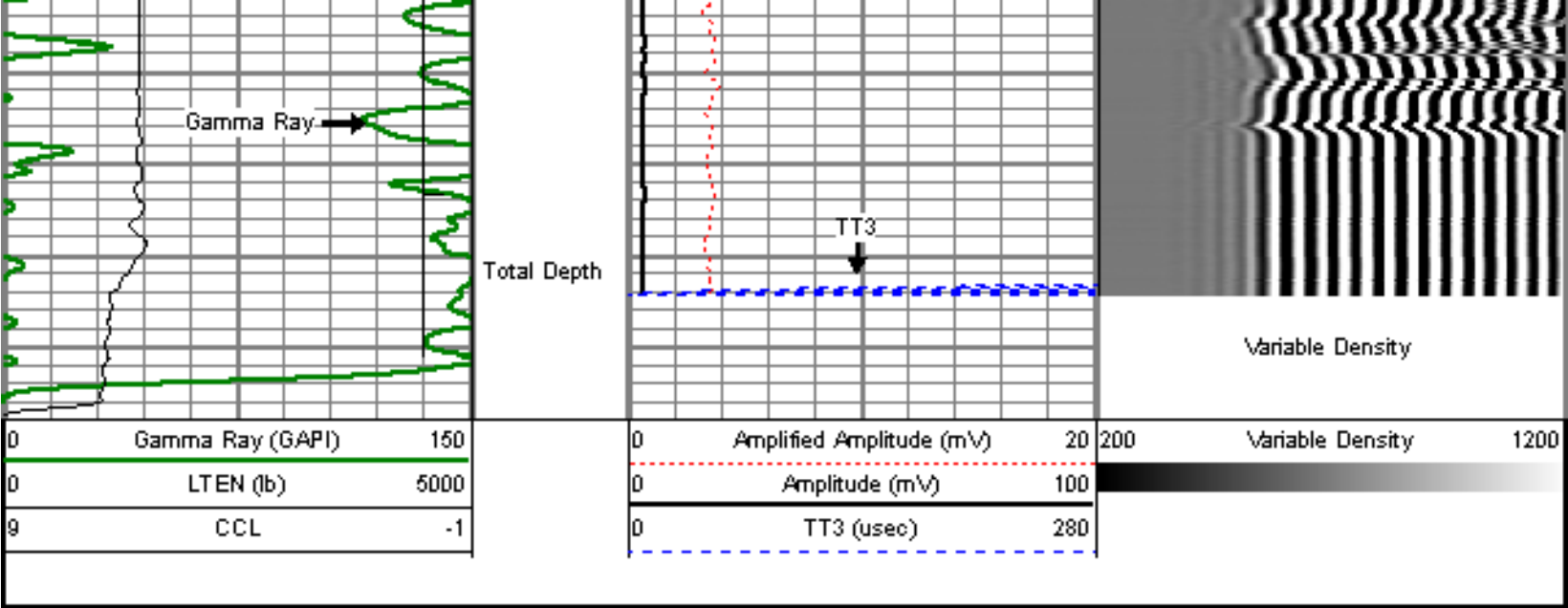
8300

8350


8400








Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			titan	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer	2.88	2.75	10.00
WVF3	13.54		CBL-Probe (DCBL_PRB_275_01) Probe 2.75" Dual Receiver Boid	8.77	2.75	60.00
WVF5	12.54					
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00

CCL	5.50		GR-Probe (GRCCL_PRB_275_01) Probe 275" 4 Channel Probe	4.54	2.75	30.00
GR	2.77		TEMP-1.375TEMP (11116HT) 1.375 Titanium Temp Tool	1.88	1.40	30.00
TEMP	0.17					
Dataset: costigan 8-6.db: field/well/run1/pass10 Total Length: 21.96 ft Total Weight: 141.50 lb O.D. 2.75 in						

	Company	ENCANA OIL & GAS (USA)
	Well	COSTIGAN 8-6-20
	Field	WATTENBERG
	County	WELD
	State	COLORADO