



CEMENT BOND  
LOG

Mesa Wireline

Company	ENCANA OIL & GAS (USA) INC		
Well	CANYON CREEK 4-8-13		
Field	WATTENBERG		
County	BOULDER		
State	COLORADO		
Company ENCANA OIL & GAS (USA) INC		Other Services	
Well CANYON CREEK 4-8-13		NONE	
Field WATTENBERG			
County BOULDER		State COLORADO	
Location:		API #: 05-013-06634-0000	
SHL: 2031' FSL & 2107' FEL			
BHL: 1325' FSL & 1325' FEL			
SEC: 13 TWP: 1N RGE: 69W			
Permanent Datum GROUND LEVEL		Elevation 5058'	
Log Measured From KELLY BUSHING = 13'		K.B. 5071'	
Drilling Measured From KELLY BUSHING		D.F. 5070'	
		G.L. 5058'	

Date	21 JULY 2012				
Run Number	ONE				
Depth Driller	8788'				
Depth Logger	8760'				
Bottom Logged Interval	8760'				
Top Log Interval	3300'				
Open Hole Size	7.875"				
Type Fluid	WATER				
Density / Viscosity	~8.3#				
Max. Recorded Temp.	266 DEG F				
Estimated Cement Top	3720'				
Time Well Ready	N/A				
Time Logger on Bottom	N/A				
Equipment Number	10501 PRD01				
Location	AULT, CO				
Recorded By	Z. EMICK				
Witnessed By	T. MAJORS				
Borehole Record					
Run Number	Bit	From	To	Size	Tubing Record
ONE	12.25"	0'	795'		From
TWO	8.625"	790'	8802'		To
Casing Record					
Surface String	Size	Wgt/Ft	Top	Bottom	
	8.625"	24#	0'	790'	
Prot. String					
Production String	4.5"	11.6#	0'	8788'	
Liner					

<<< Fold Here >>>

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 7794' - 7815'

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



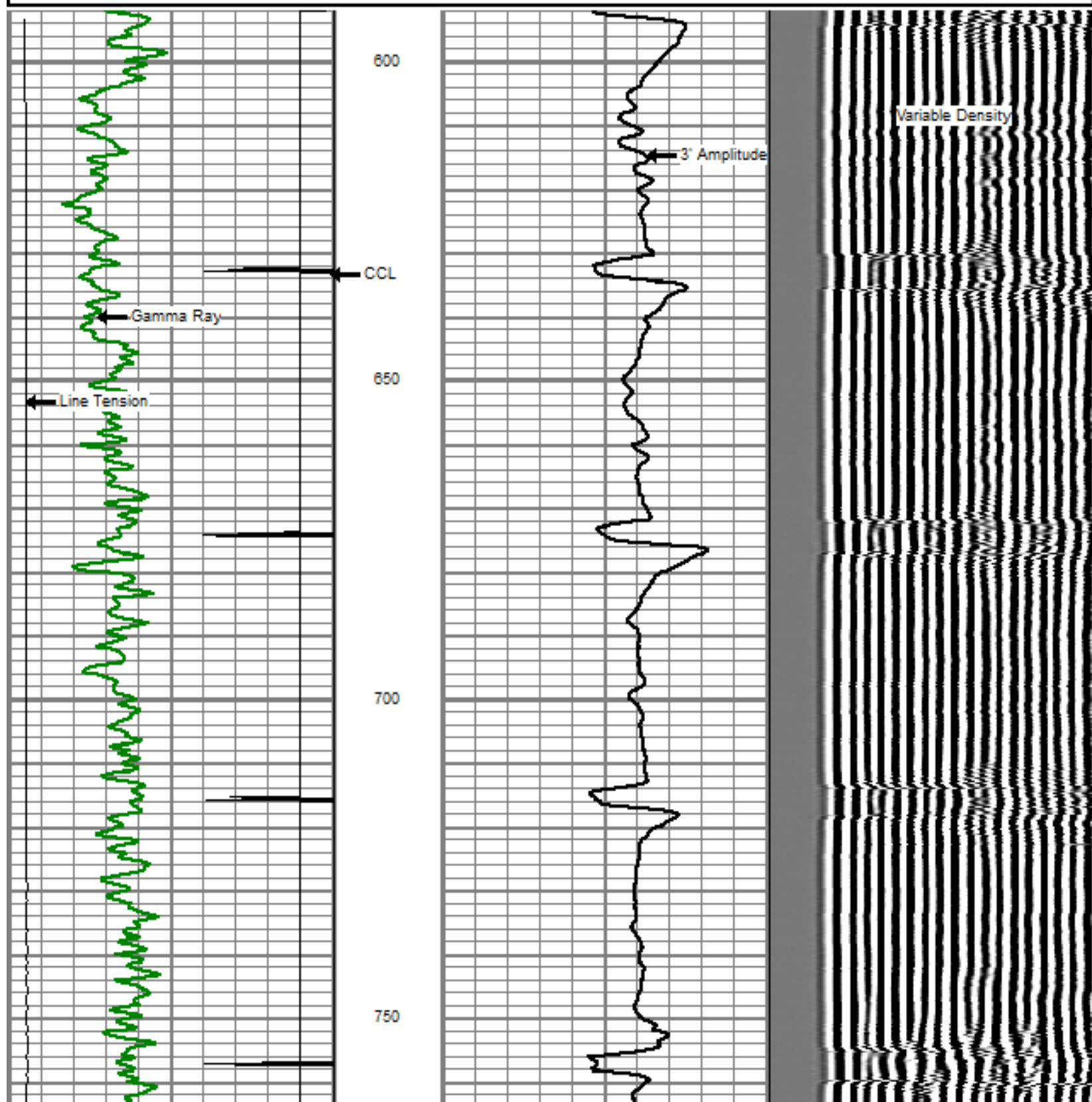
TOP PASS

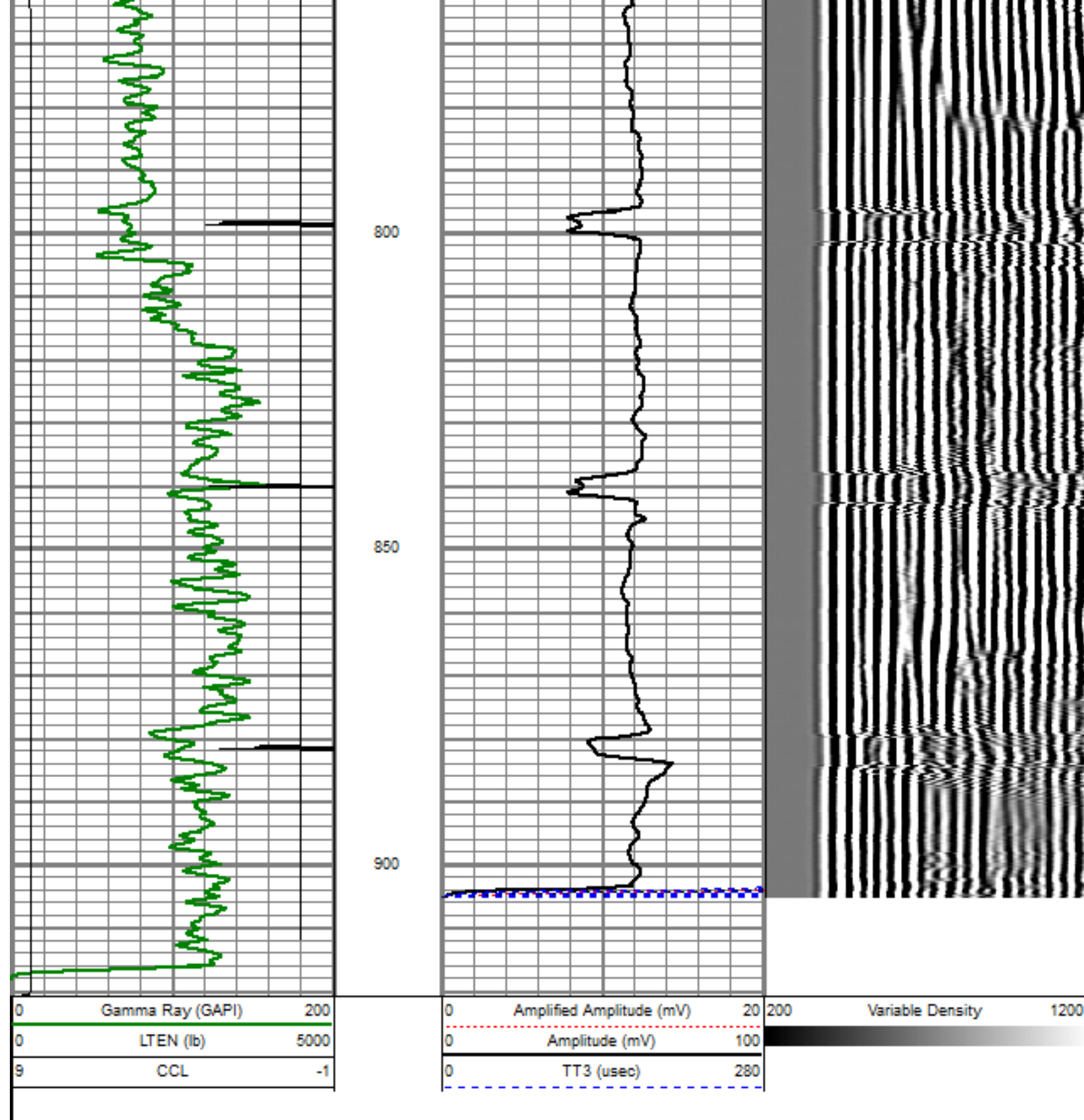
Database File: canyon creek 4-8-13.db  
Dataset Pathname: pass5.2  
Presentation Format: dobl\_prb  
Dataset Creation: Sat Jul 21 10:02:27 2012 by Calo SCH 110930  
Charted by: Depth in Feet scaled 1:240

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: canyon creek 4-8-13.db  
 Dataset Pathname: pass3  
 Presentation Format: dobl\_prb  
 Dataset Creation: Sat Jul 21 08:22:09 2012 by Log SCH 110930

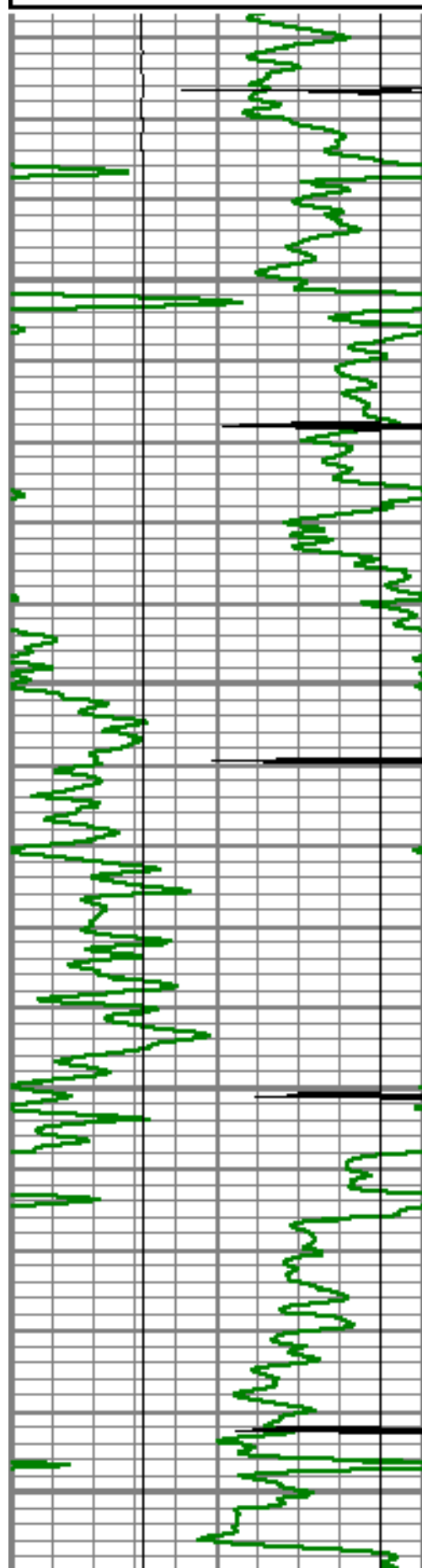
Charted by:

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
-----	------------------	------

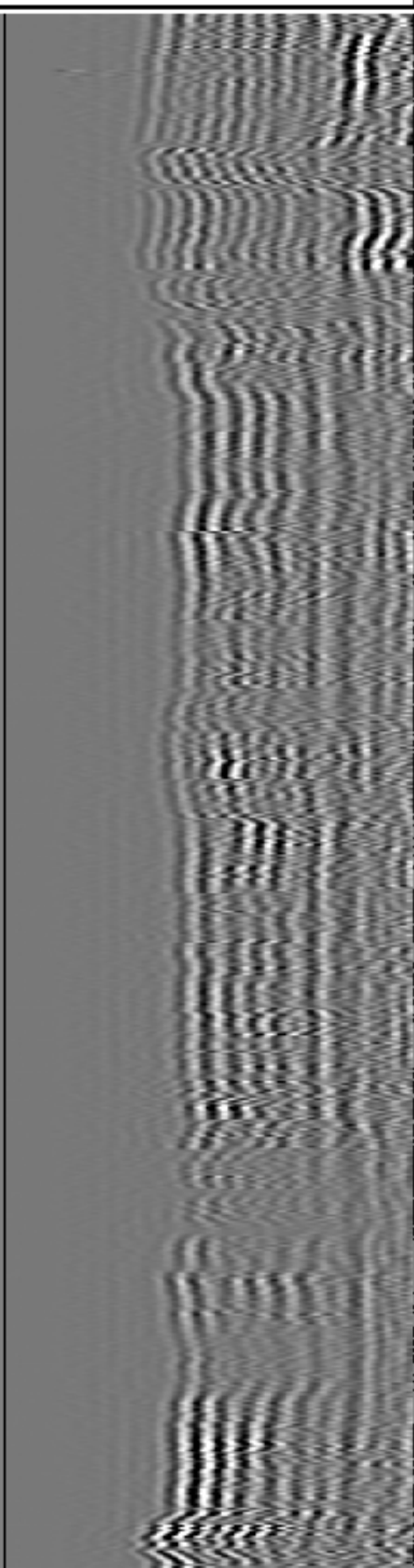
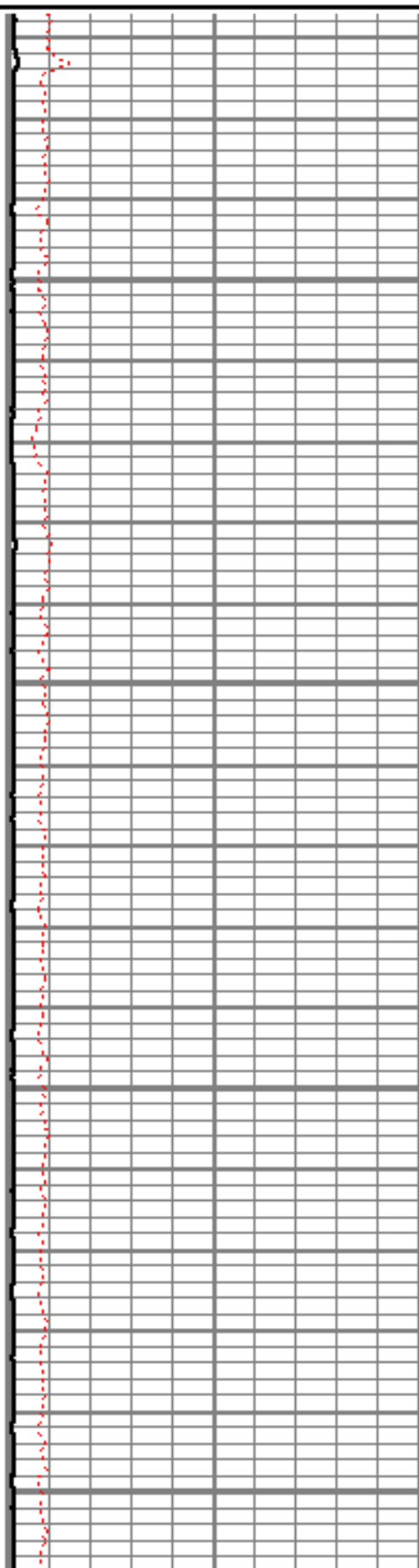


8500

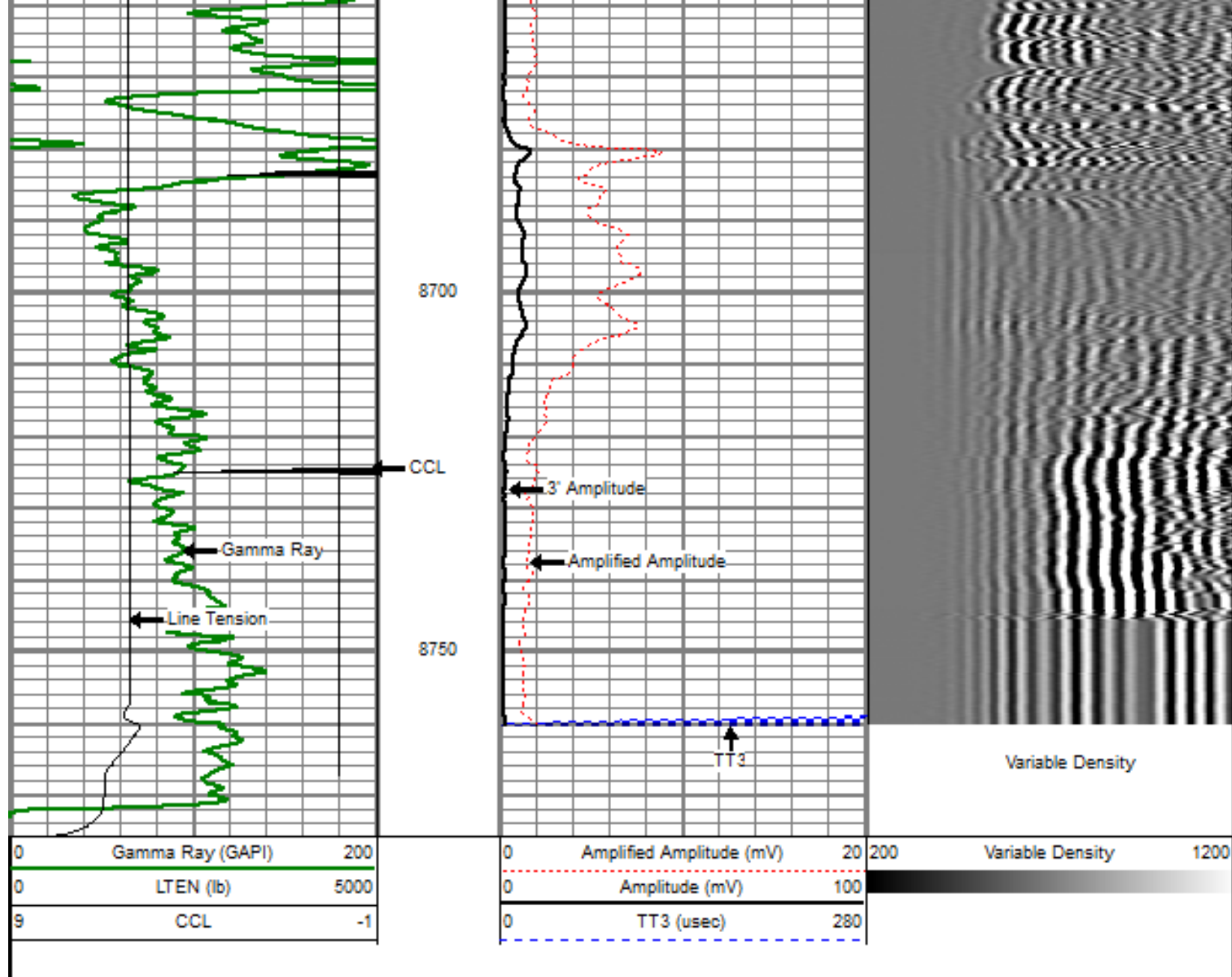
8550

8600

8650



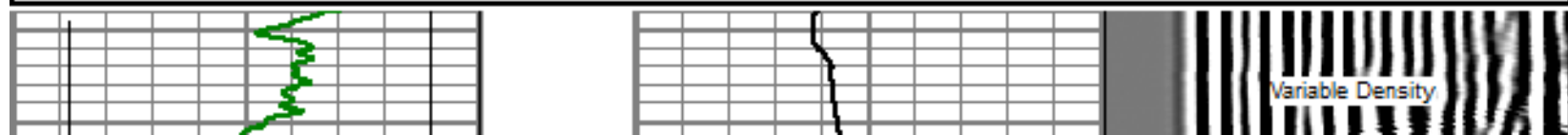
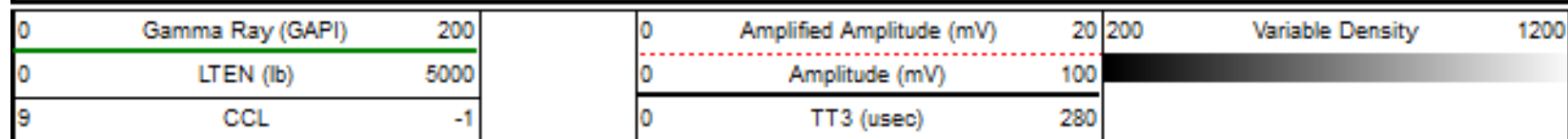


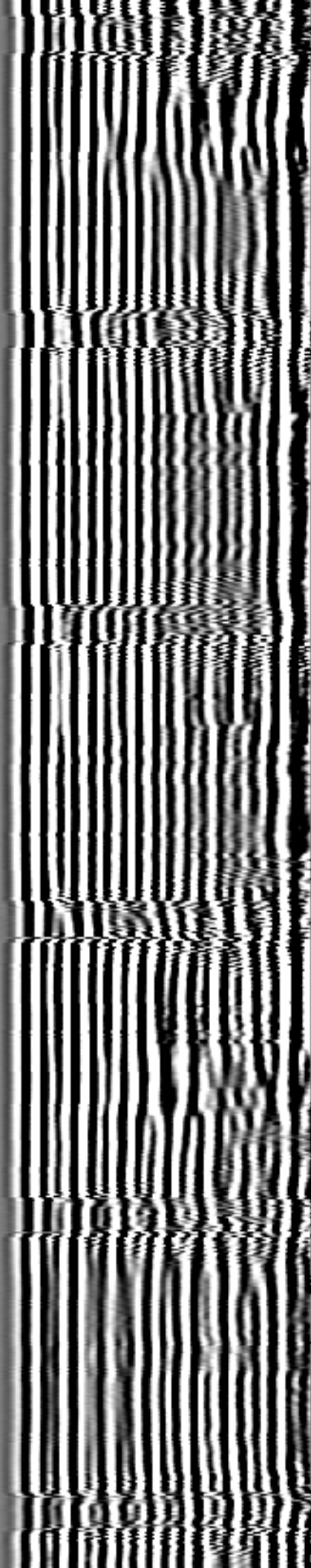
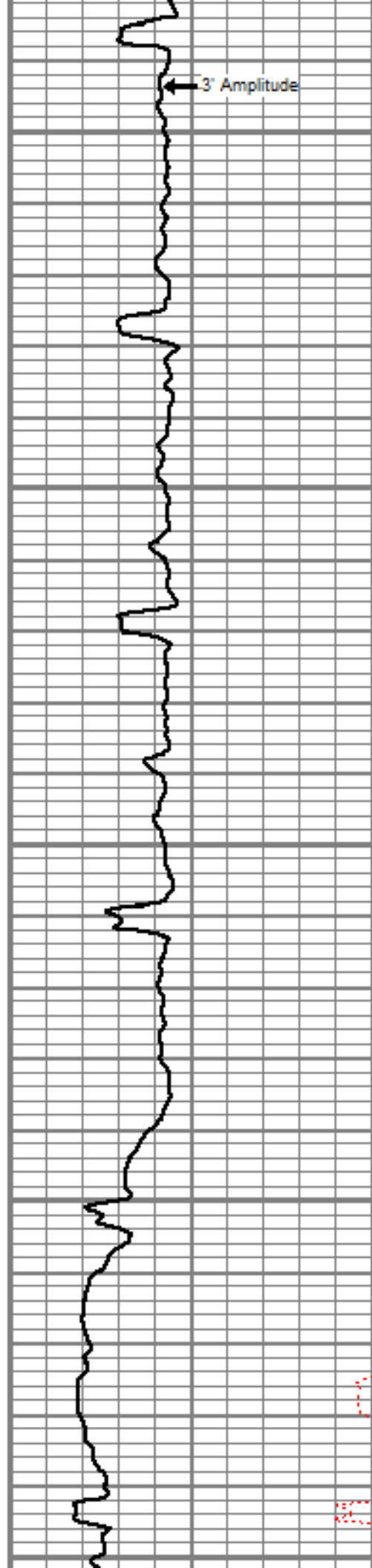
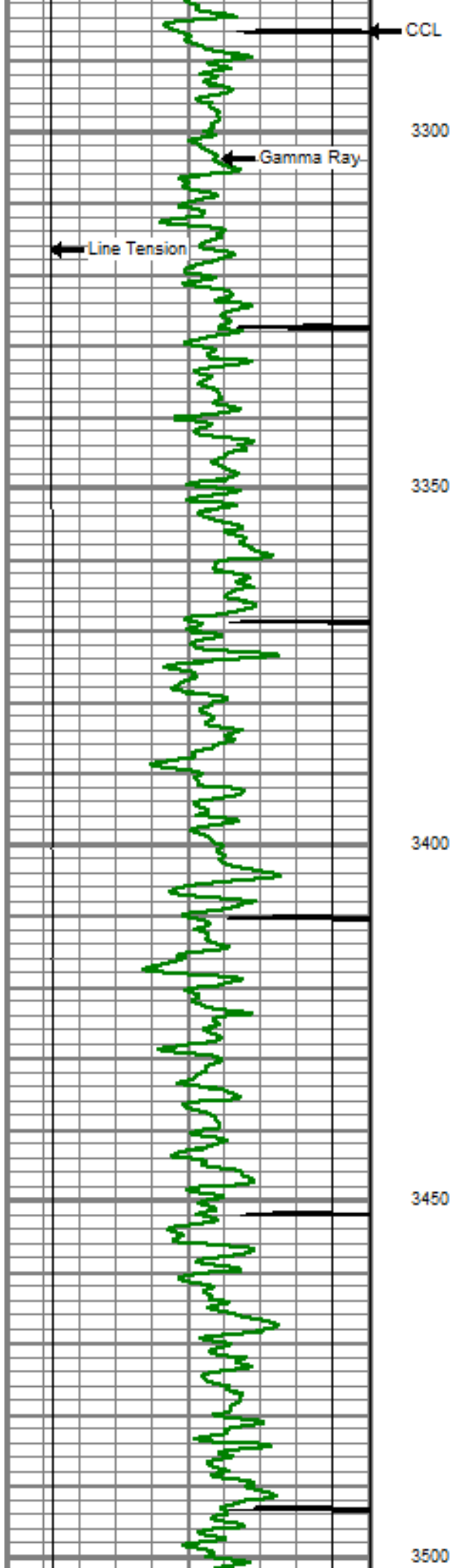


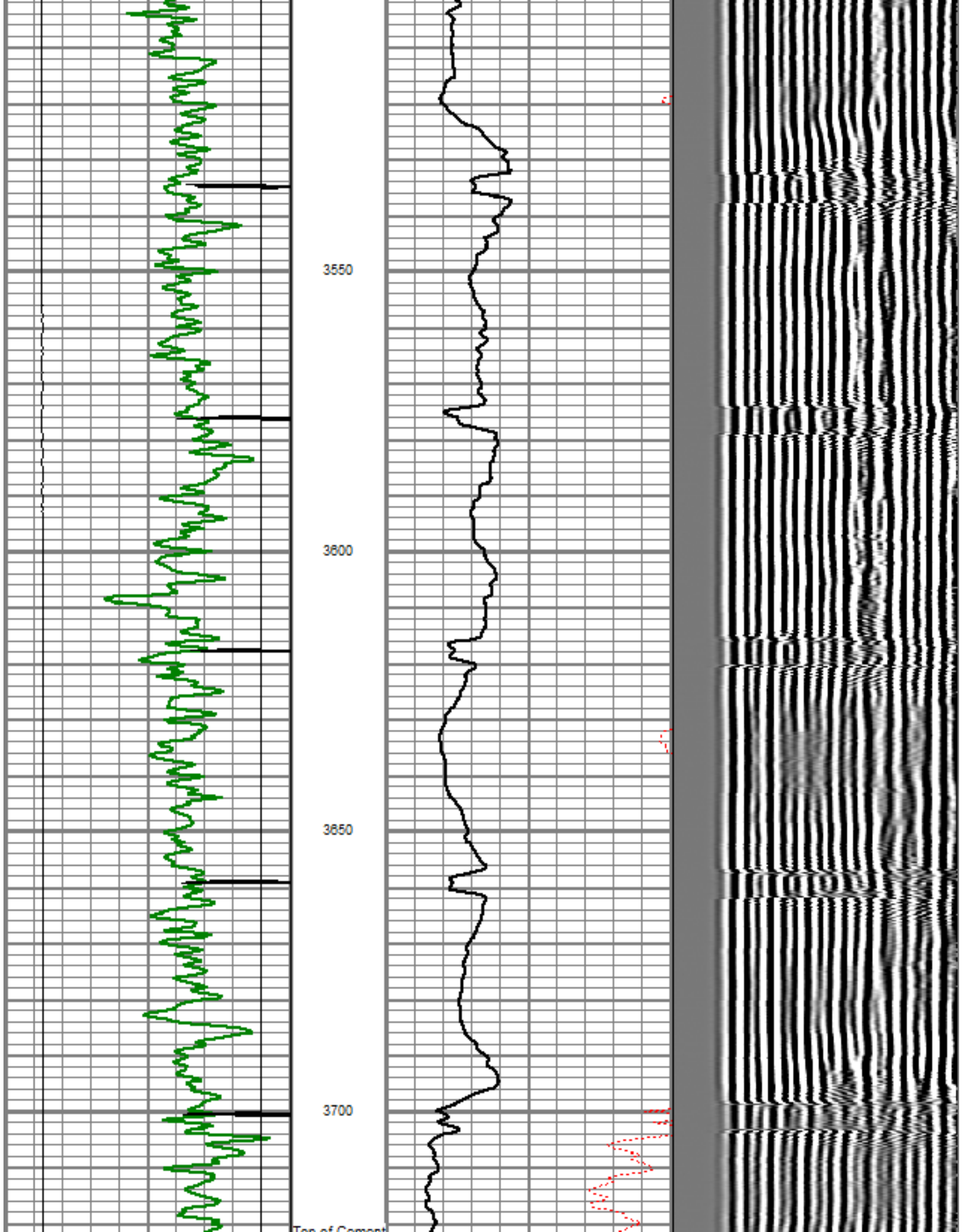
## MAIN PASS

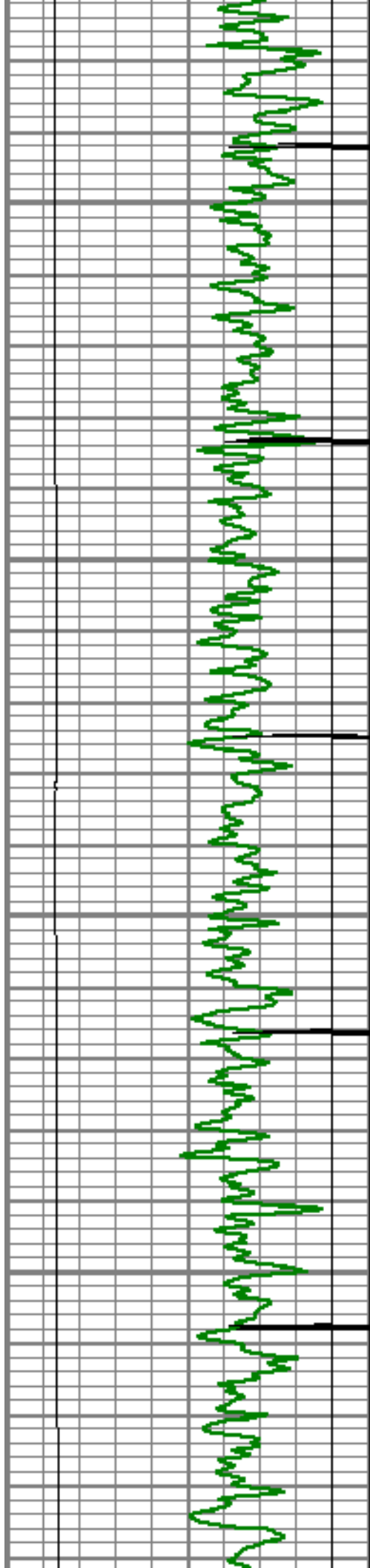
5" = 100'

Database File: canyon creek 4-8-13.db  
 Dataset Pathname: pass4  
 Presentation Format: dobl\_prb  
 Dataset Creation: Sat Jul 21 08:30:21 2012 by Log SCH 110930  
 Charted by: Depth in Feet scaled 1:240









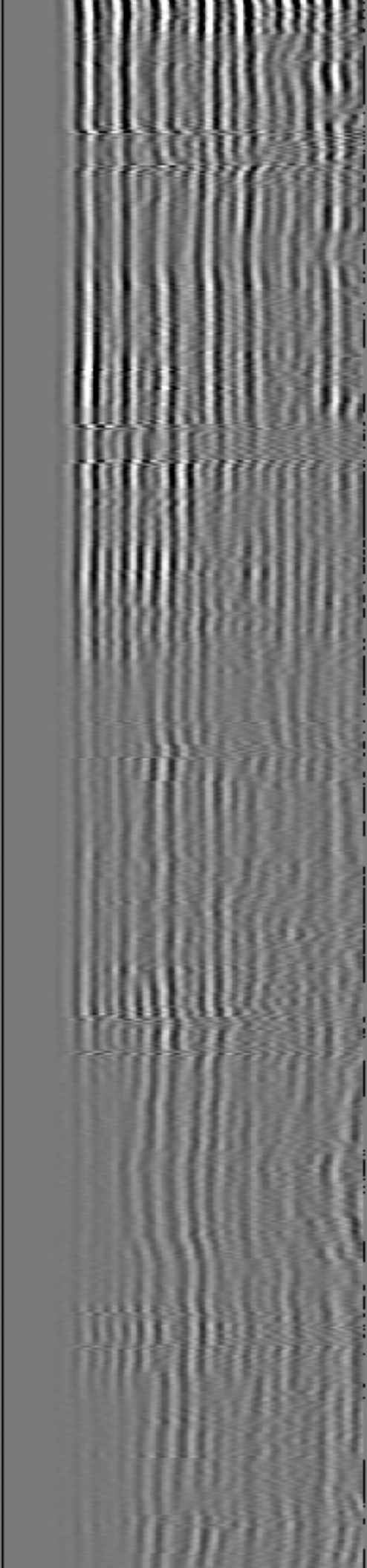
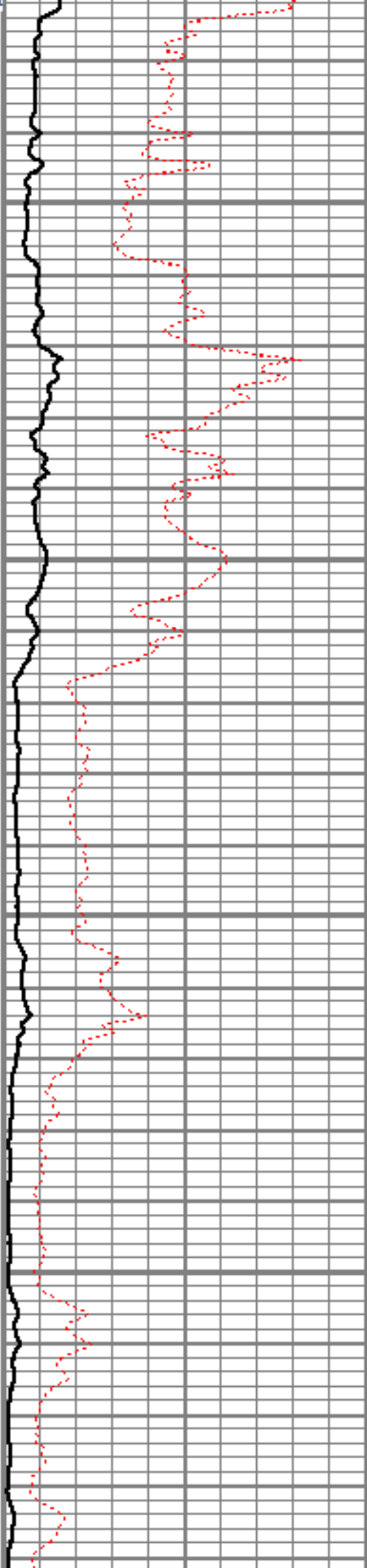
3750

3800

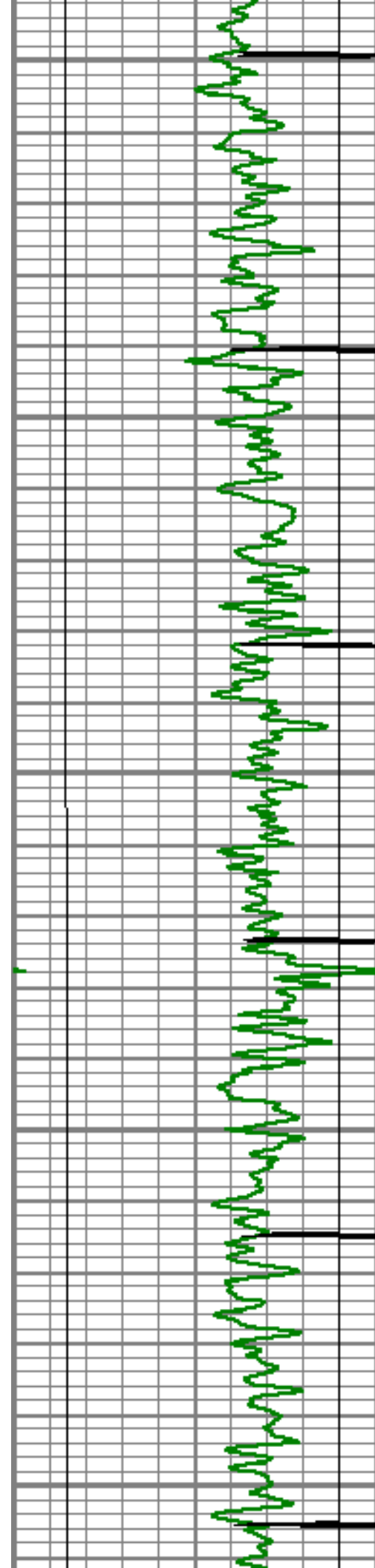
3850

3900

Top of Cement







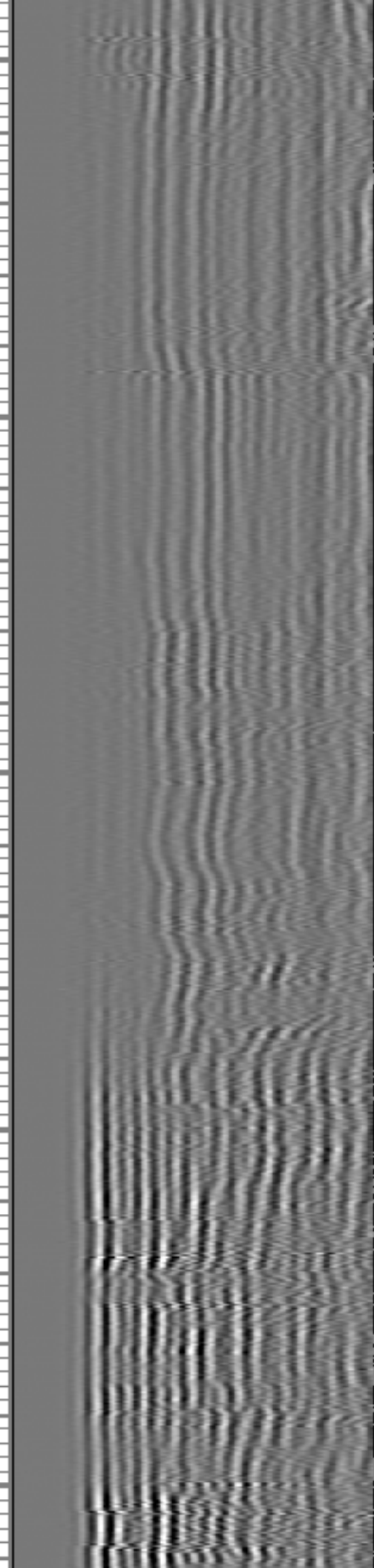
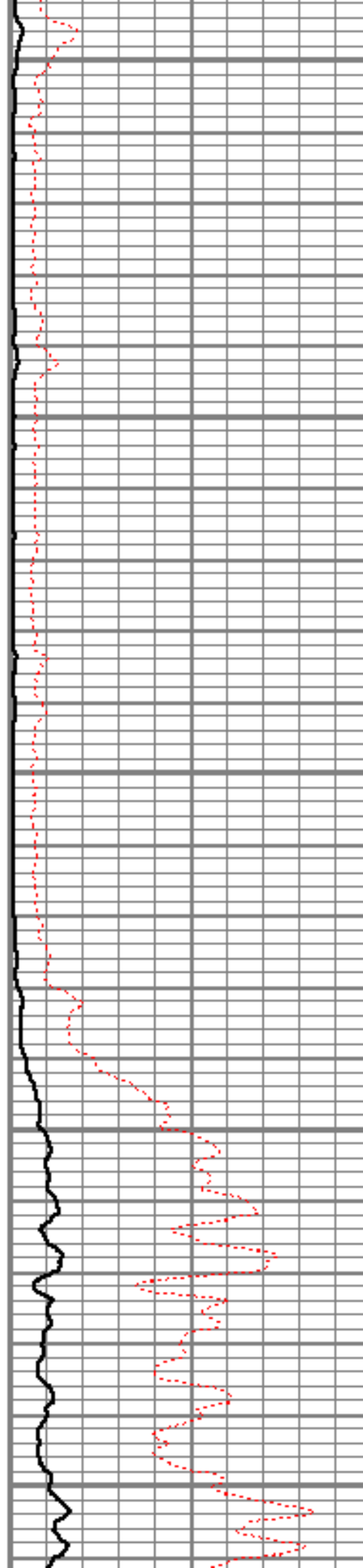
3950

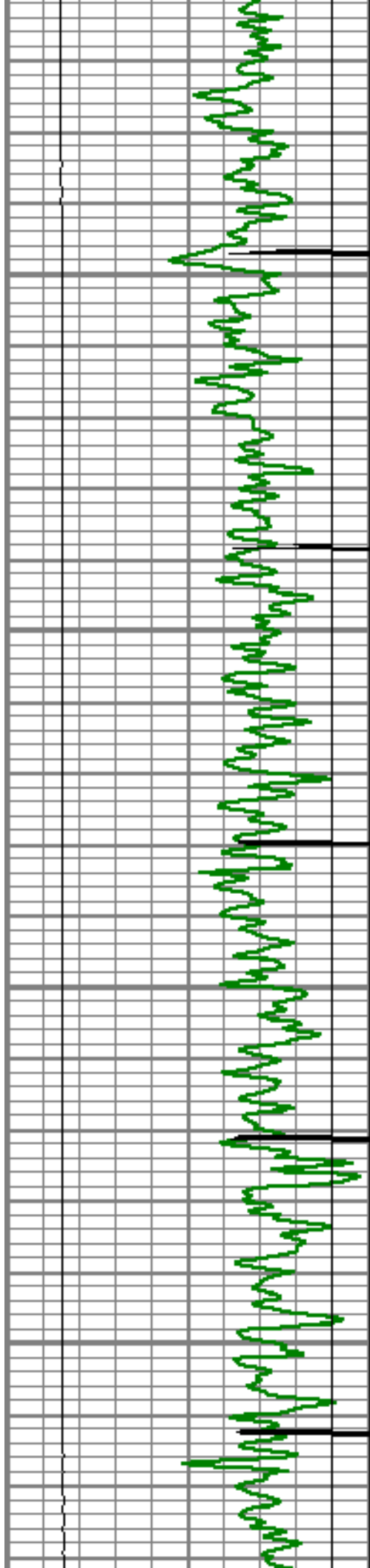
4000

4050

4100

4150



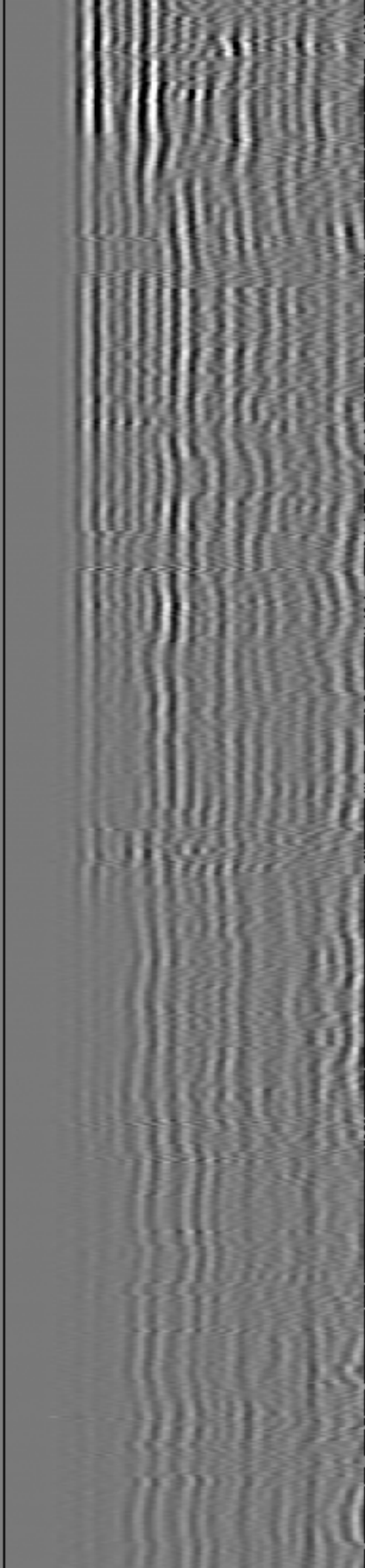
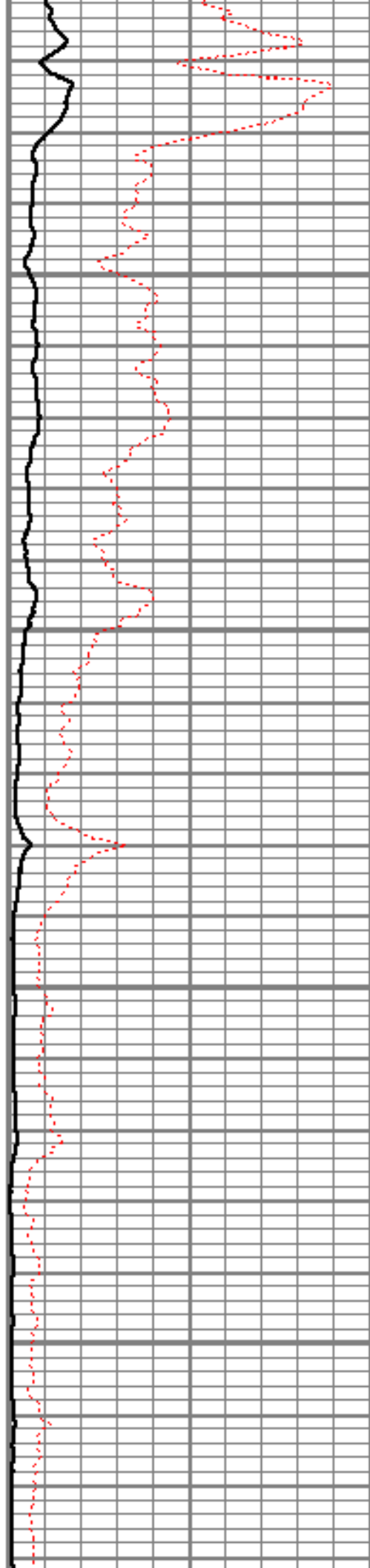


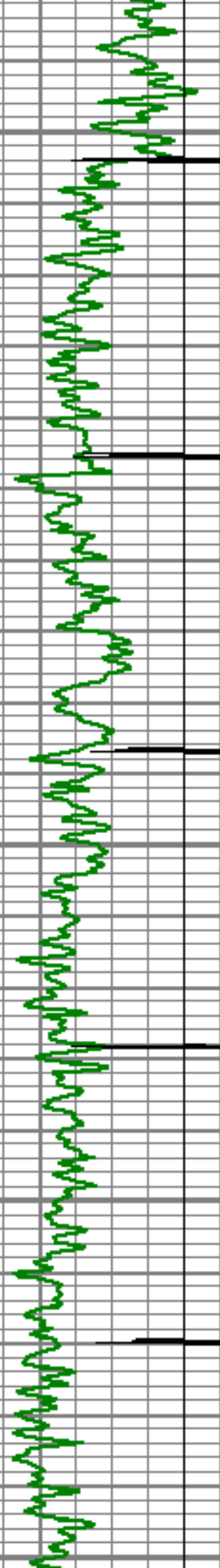
4200

4250

4300

4350





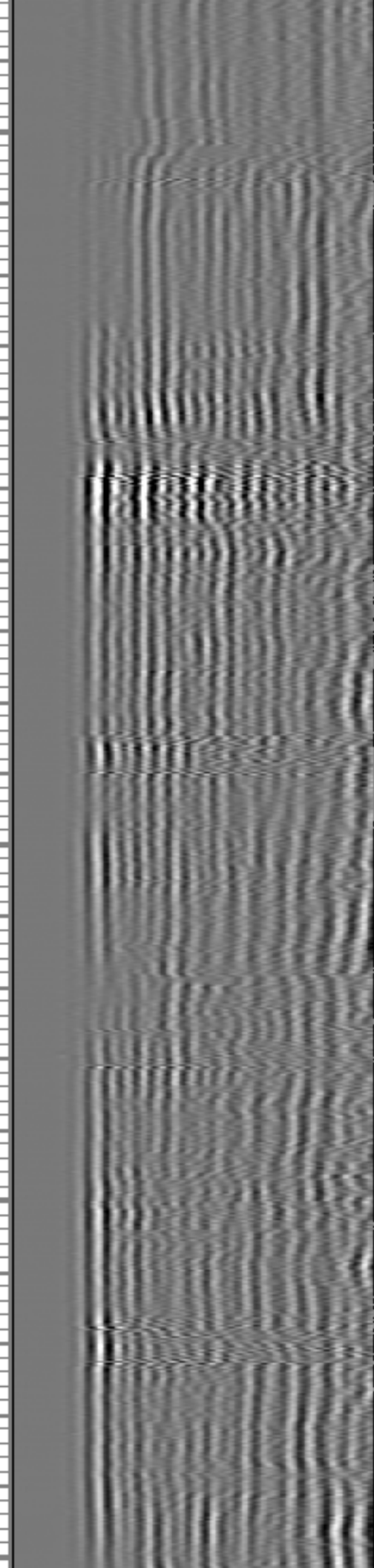
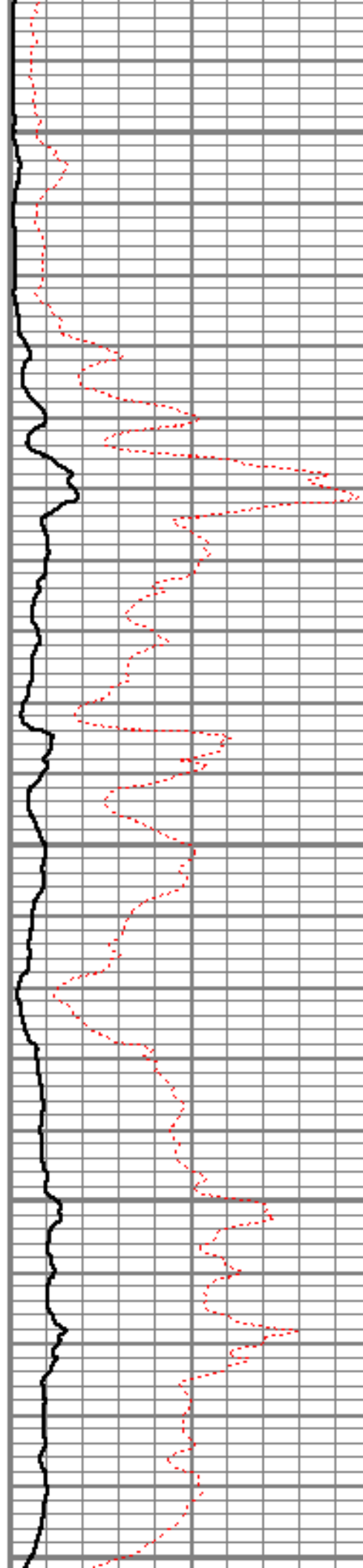
4400

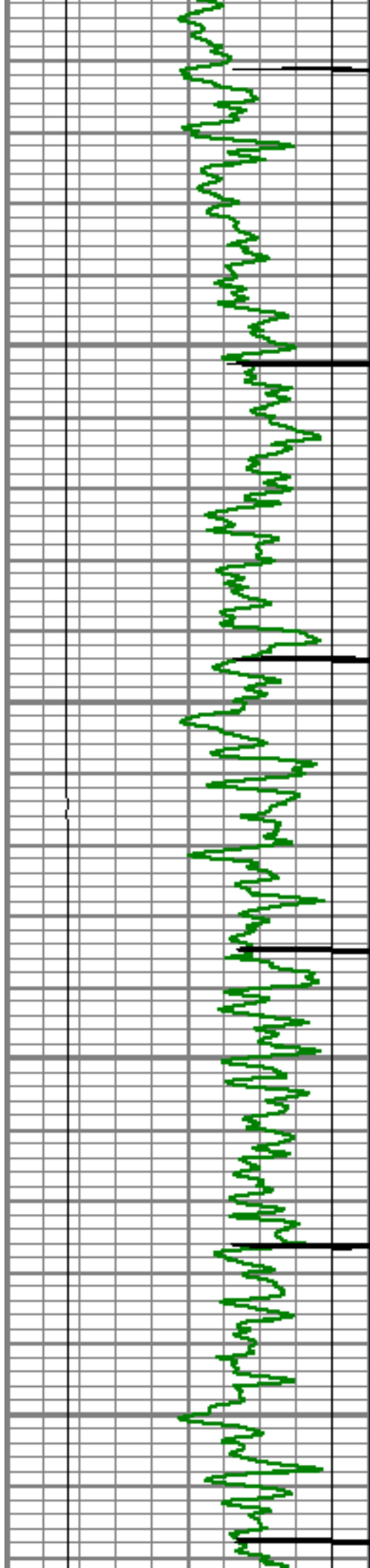
4450

4500

4550

4600



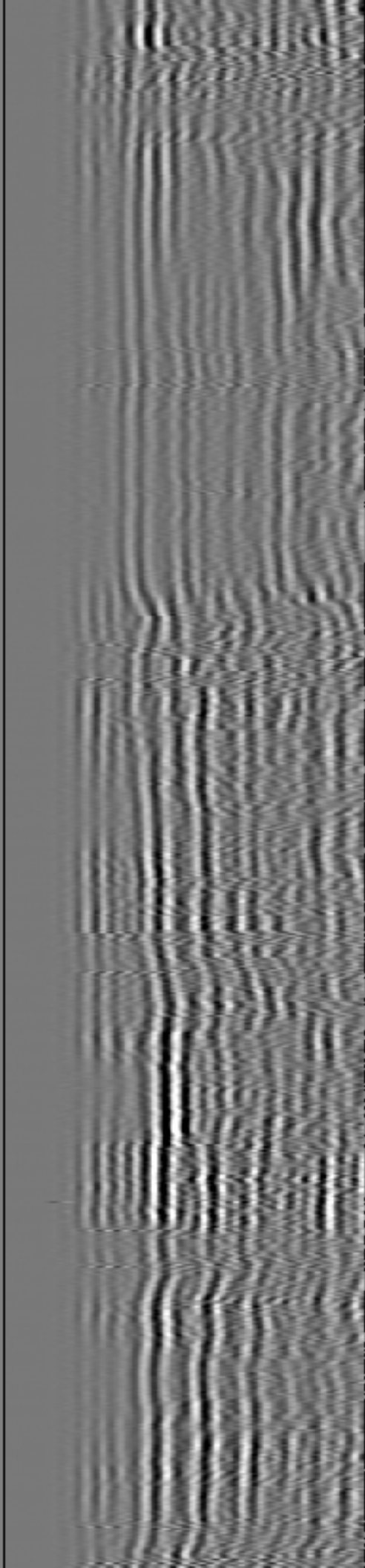
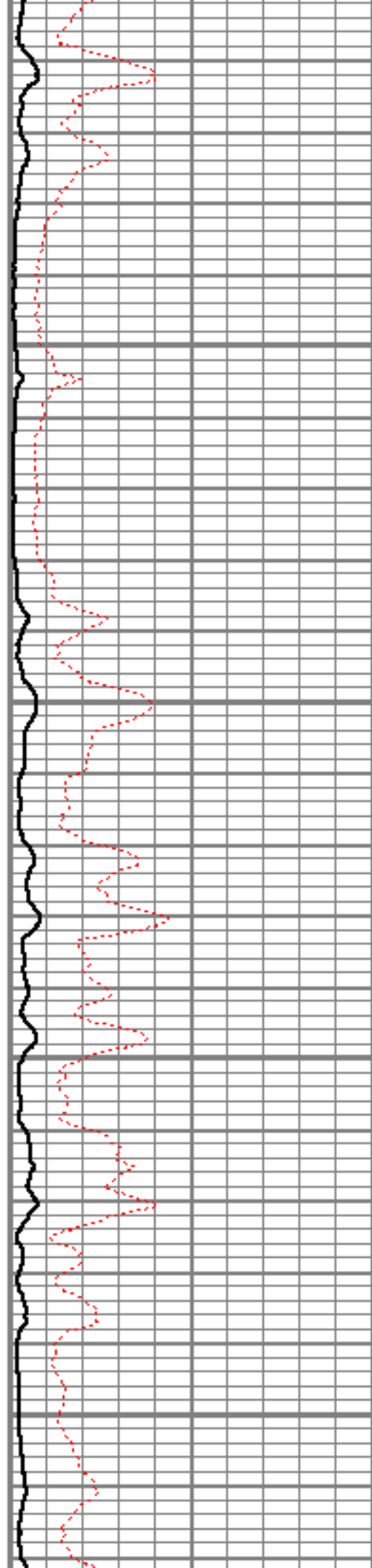


4650

4700

4750

4800





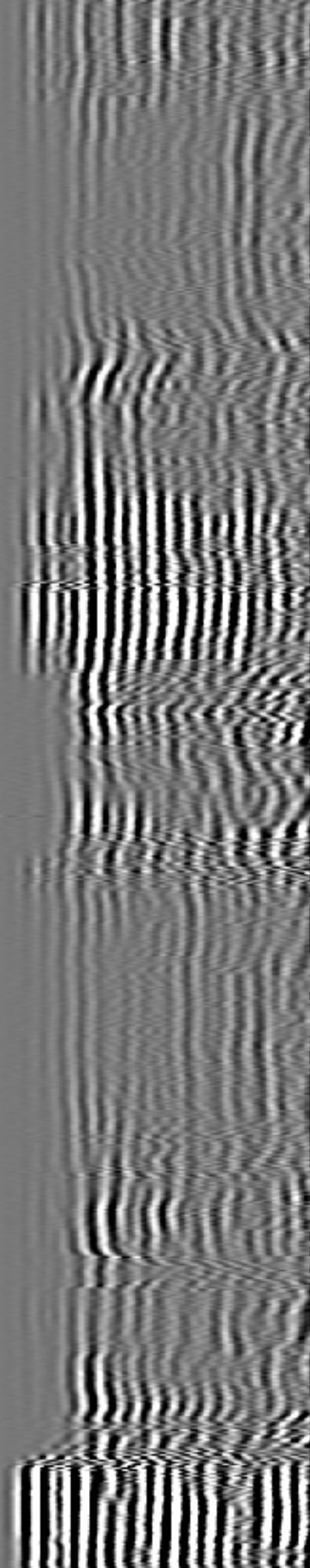
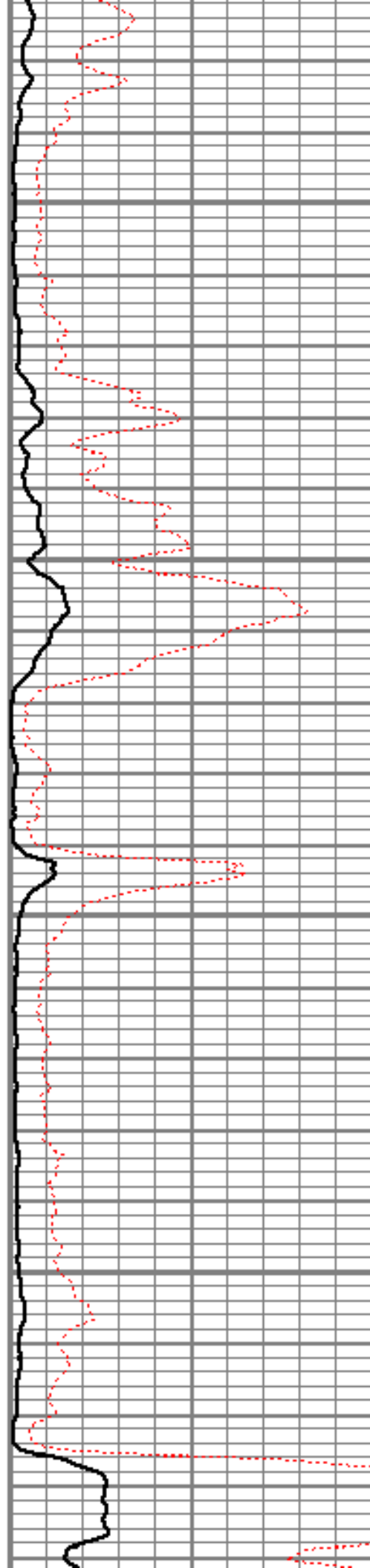


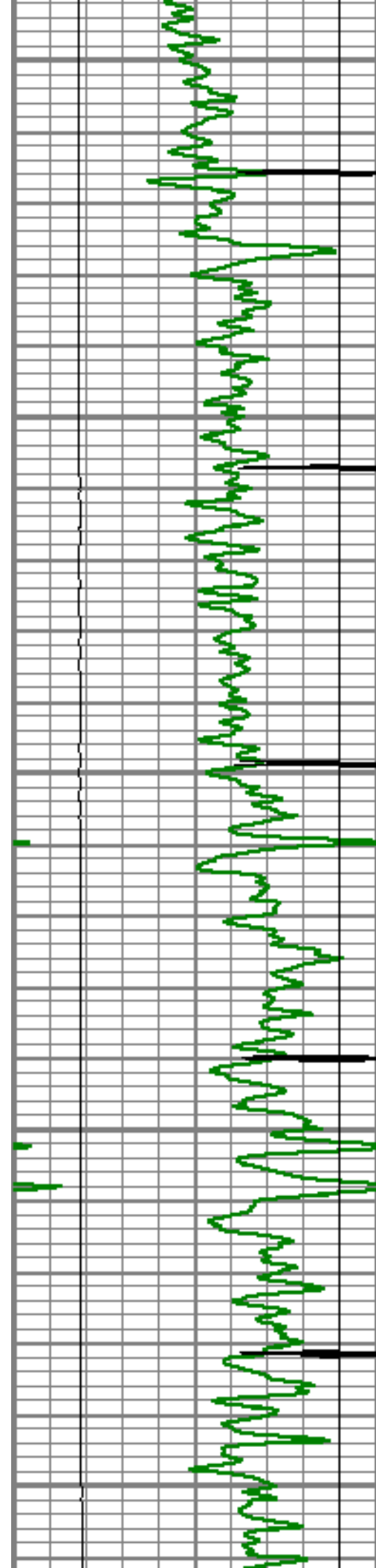
4850

4900

4950

5000





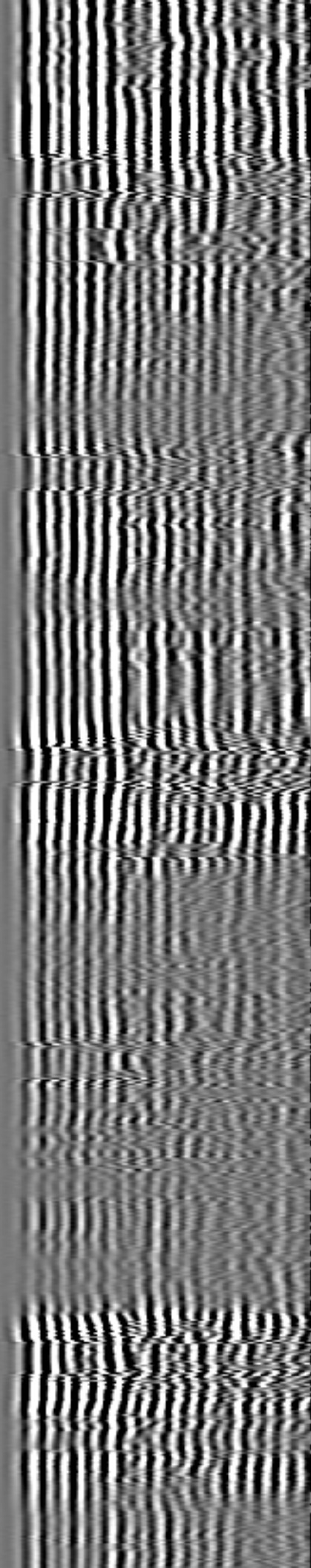
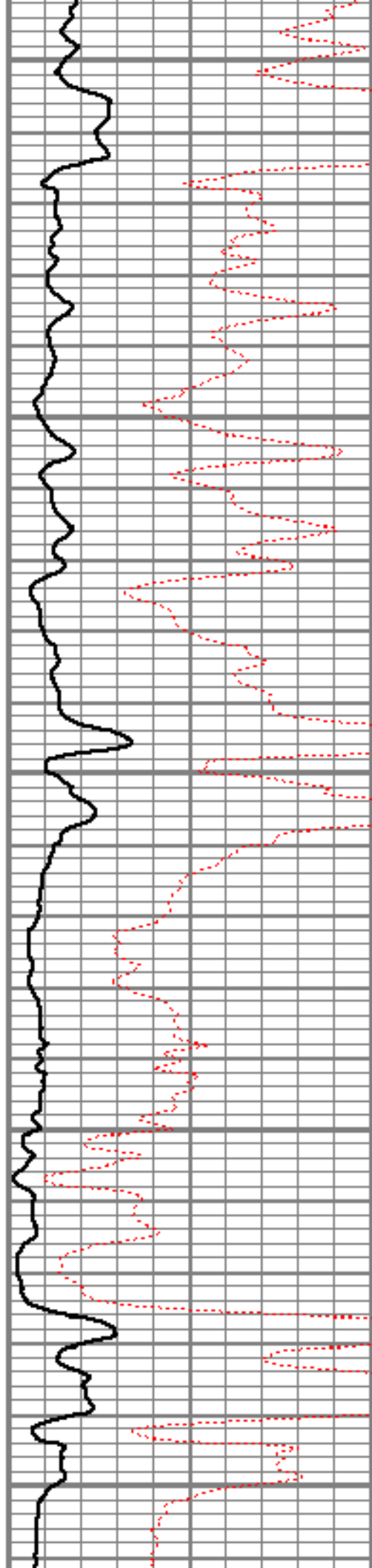
5050

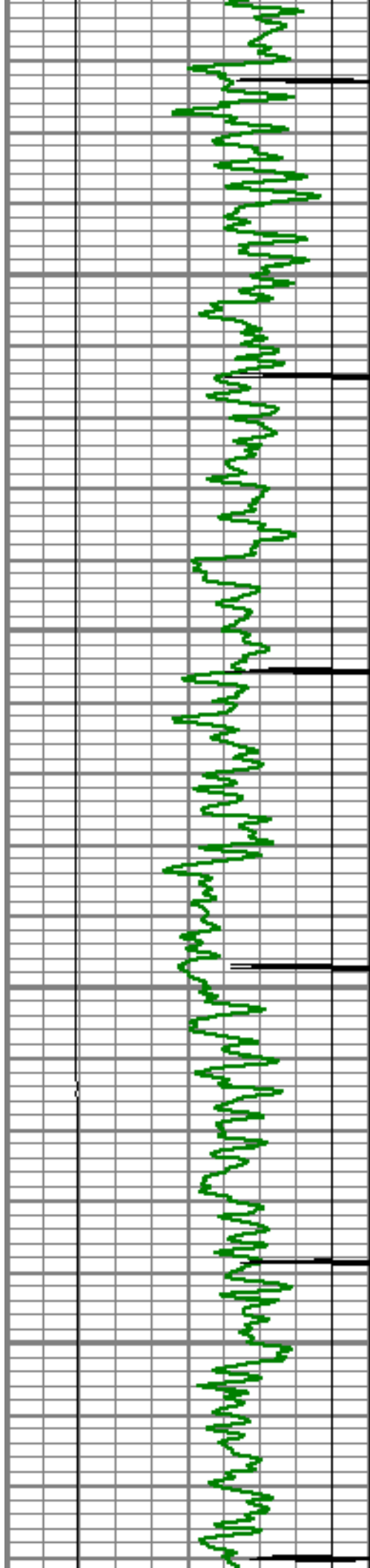
5100

5150

5200

5250



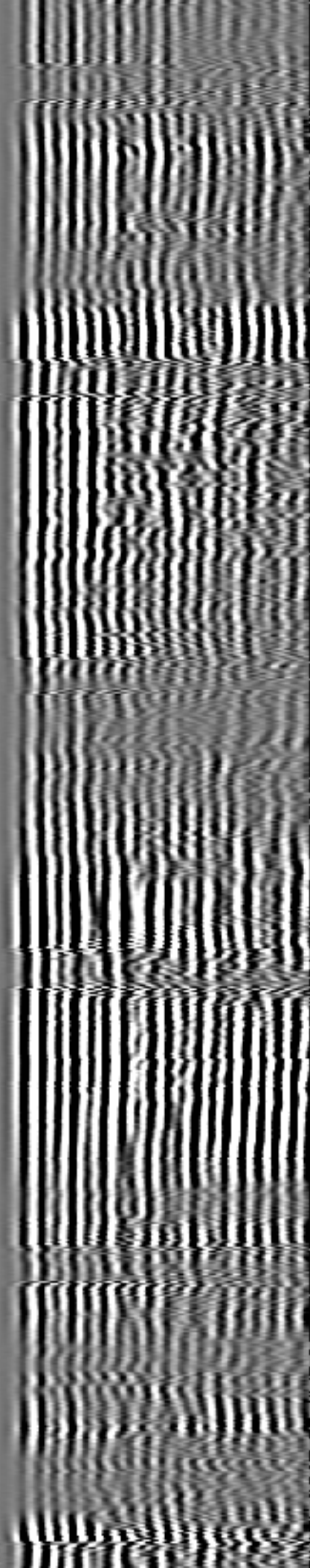
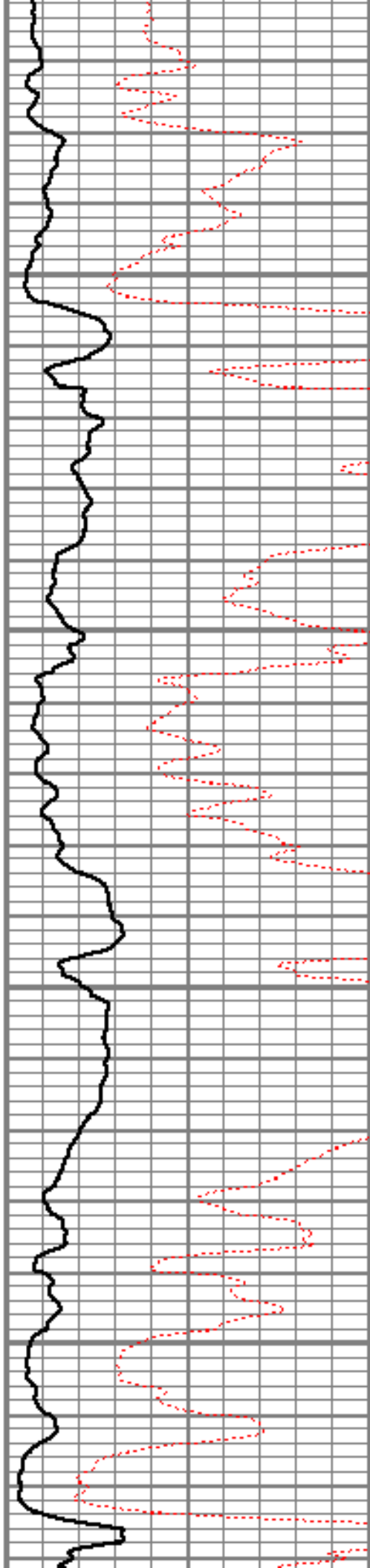


5300

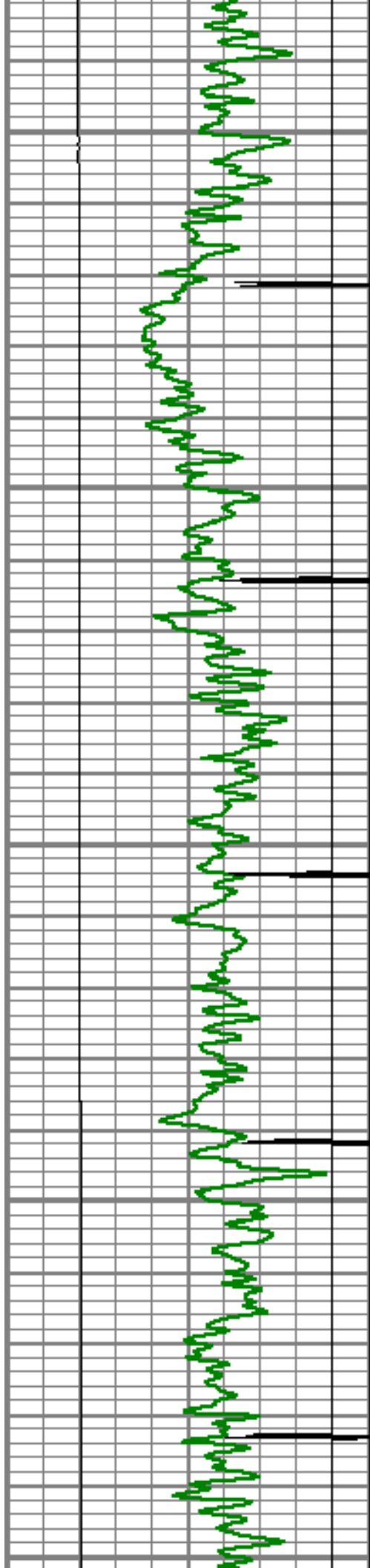
5350

5400

5450







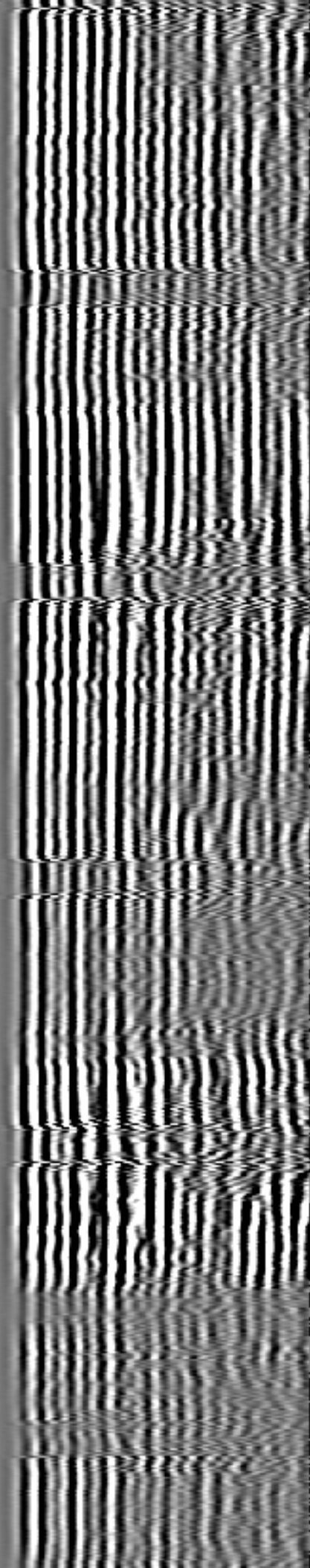
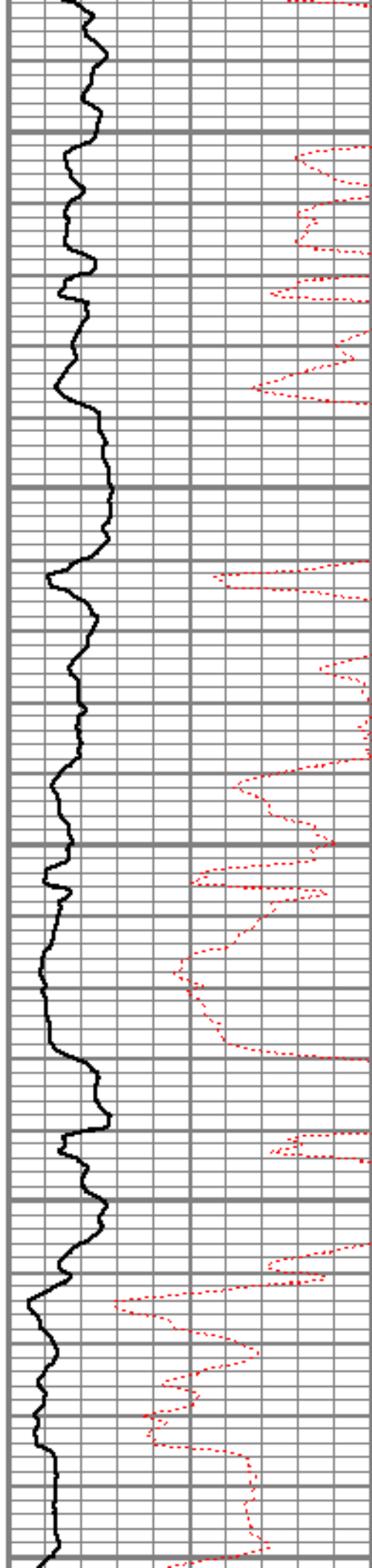
5500

5550

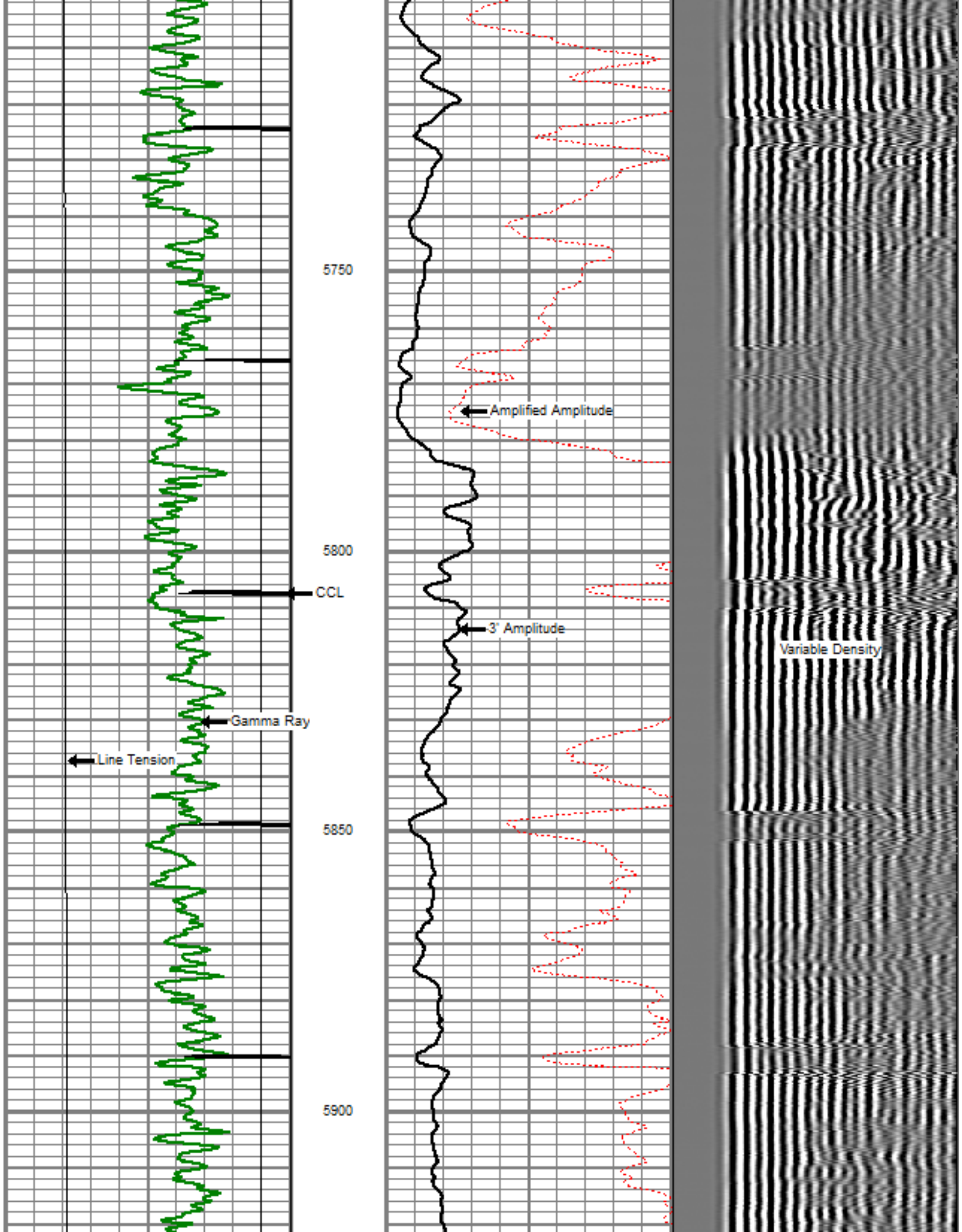
5600

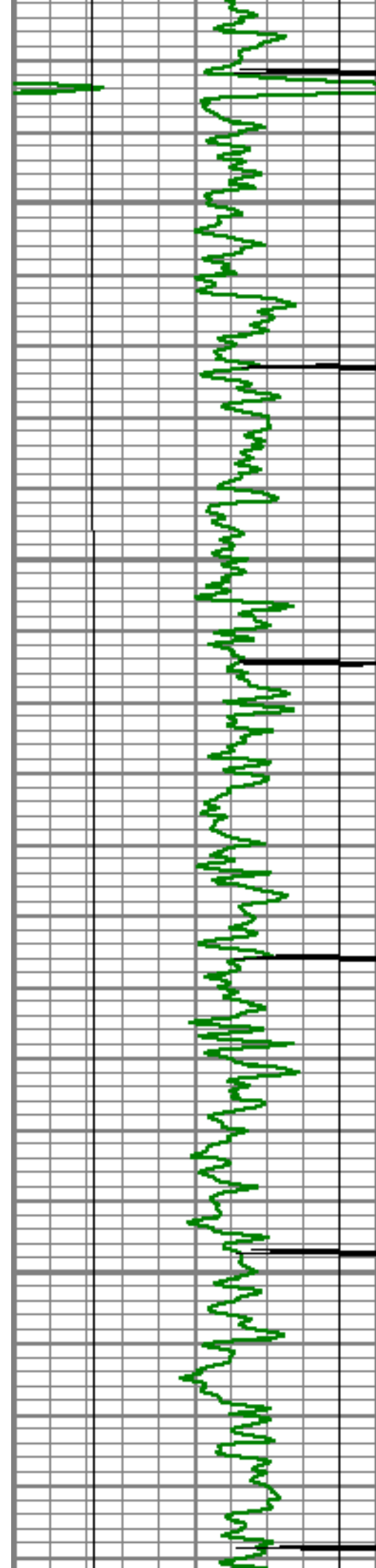
5650

5700







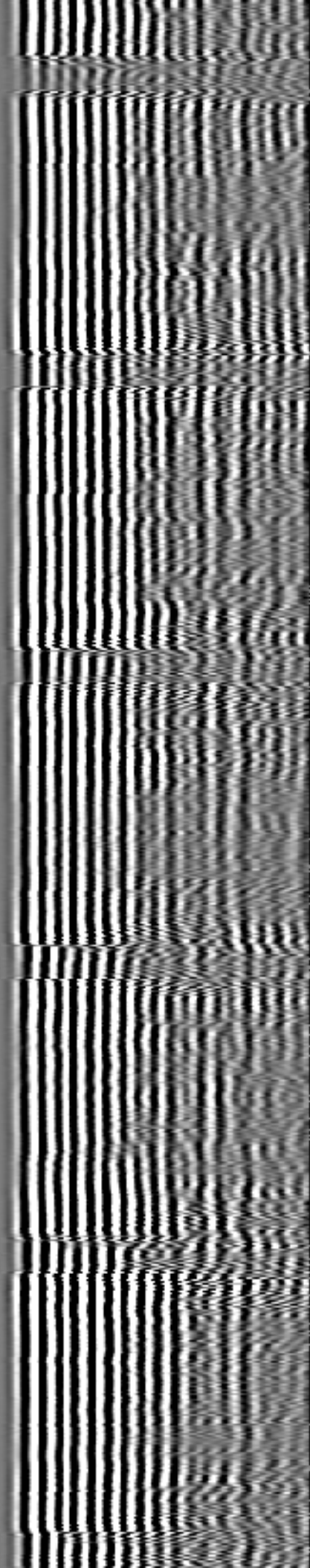
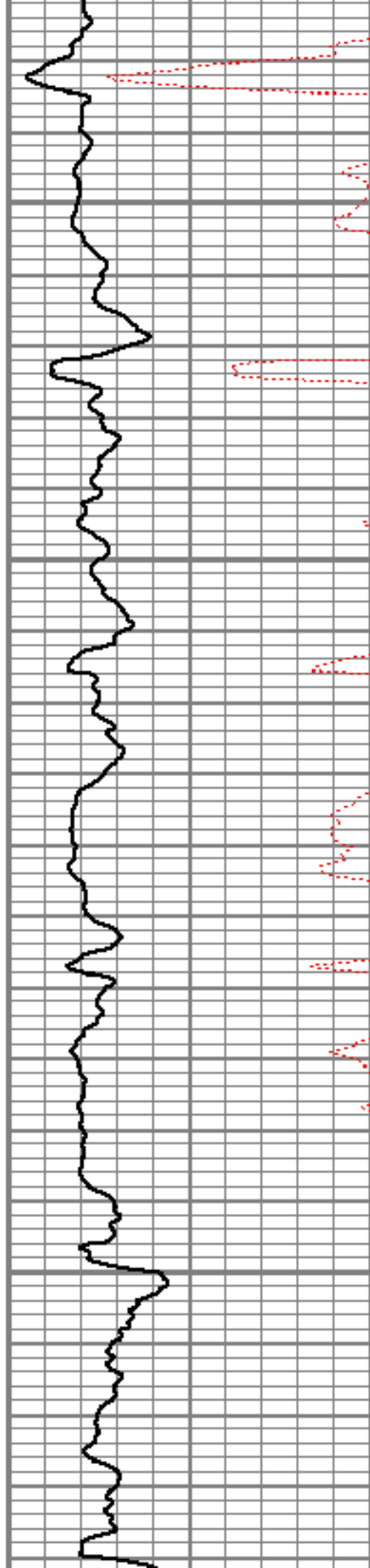


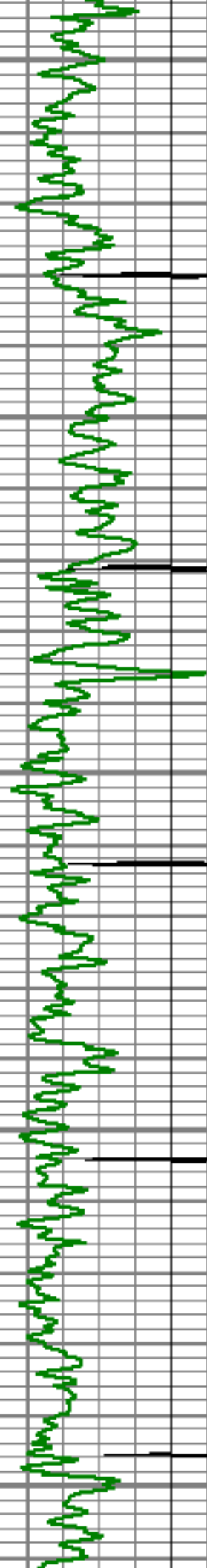
5950

6000

6050

6100





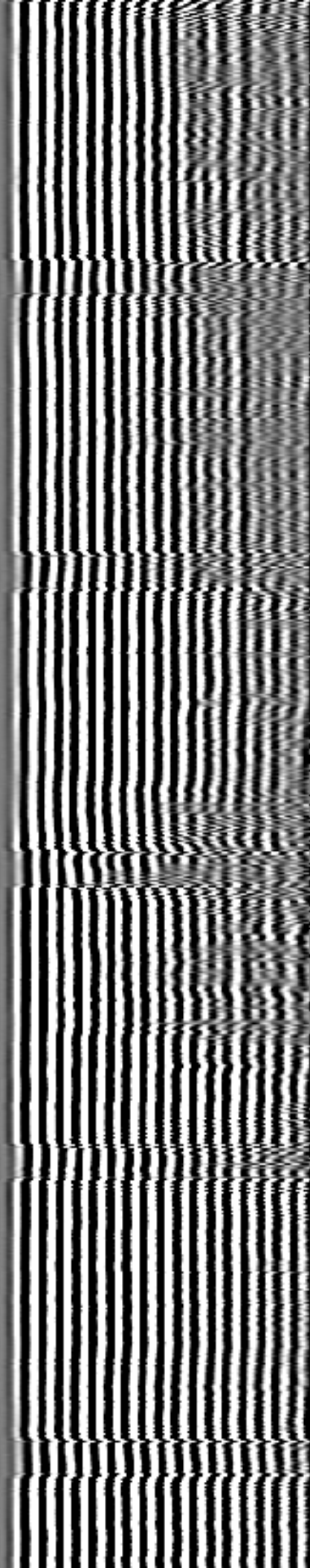
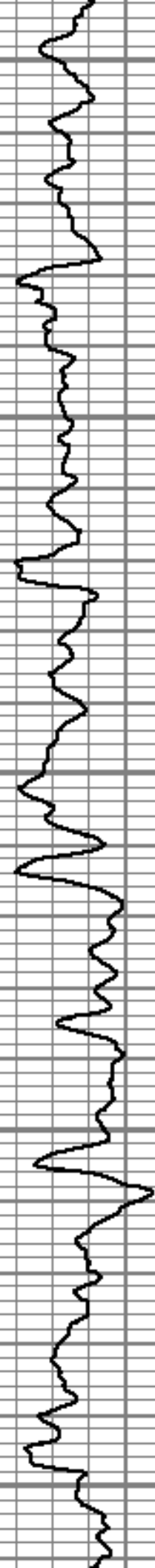
6150

6200

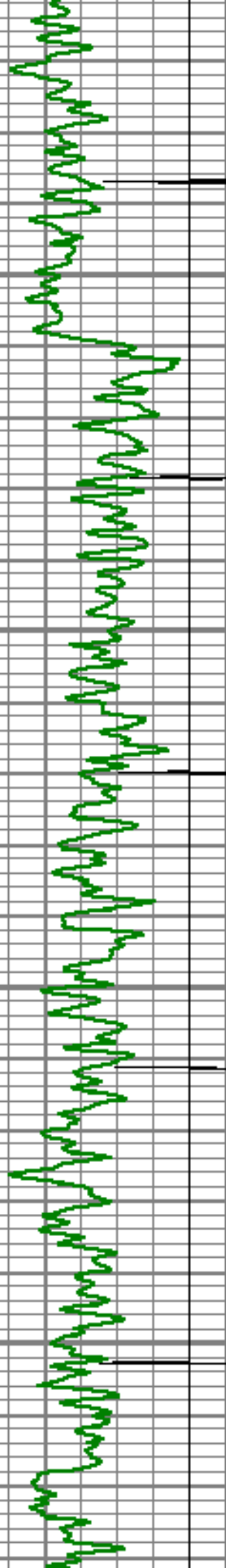
6250

6300

6350





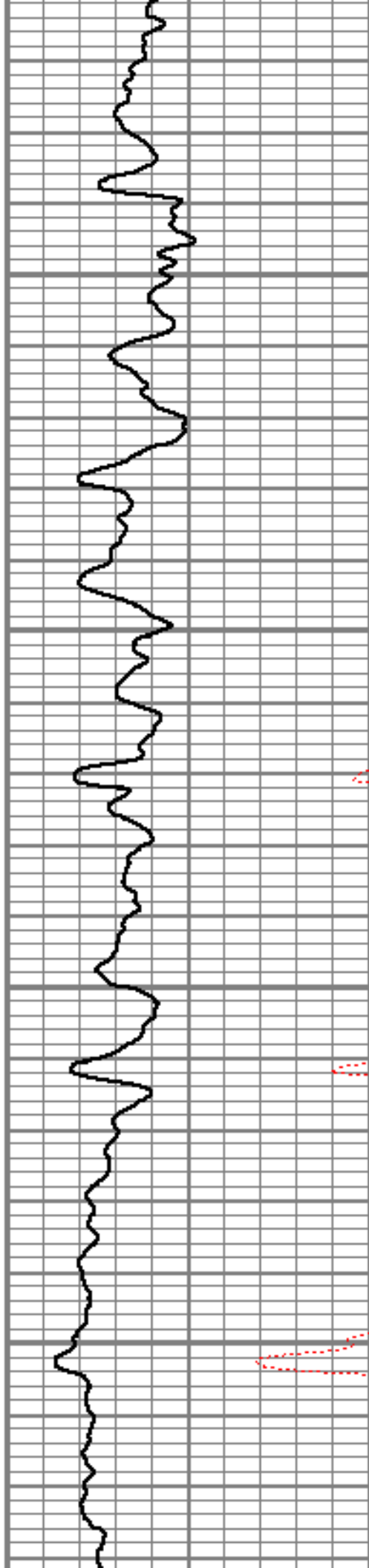


6400

6450

6500

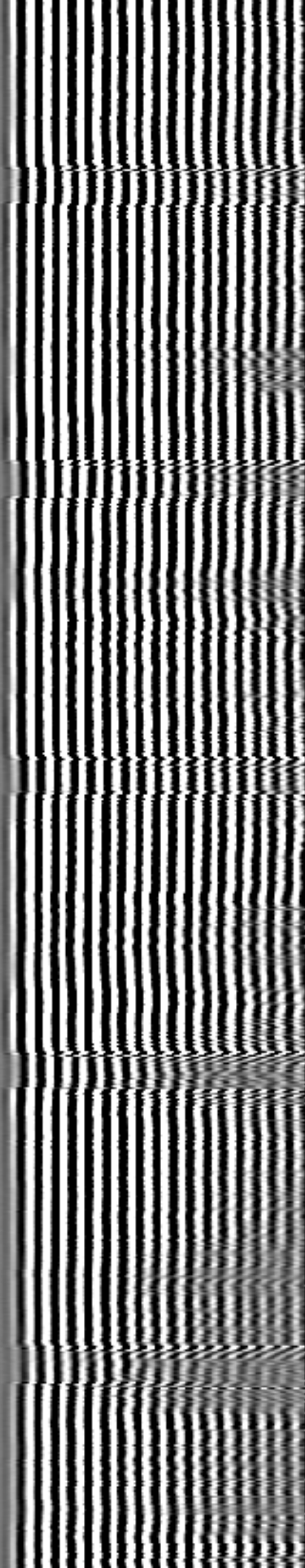
6550



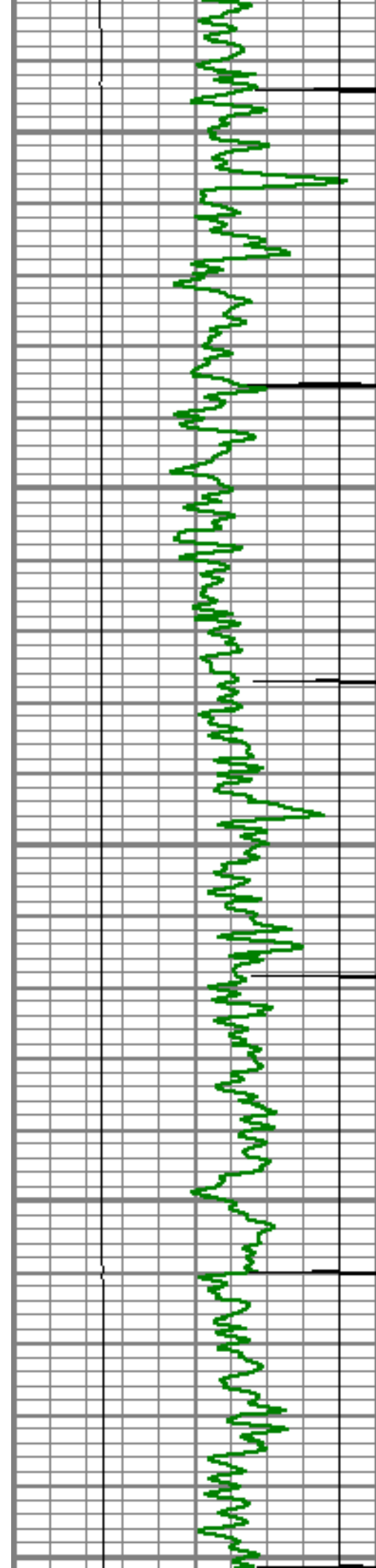
6450

6500

6550







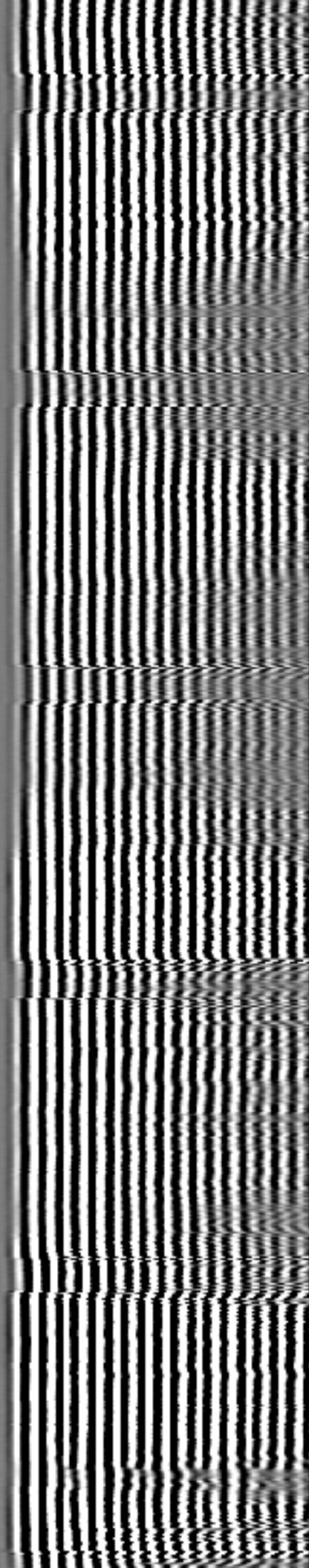
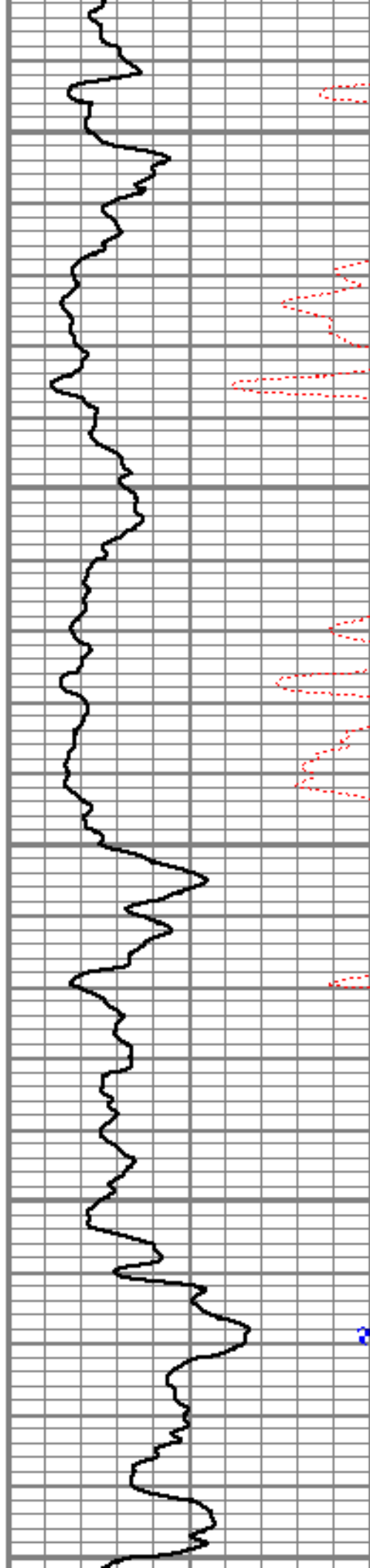
6600

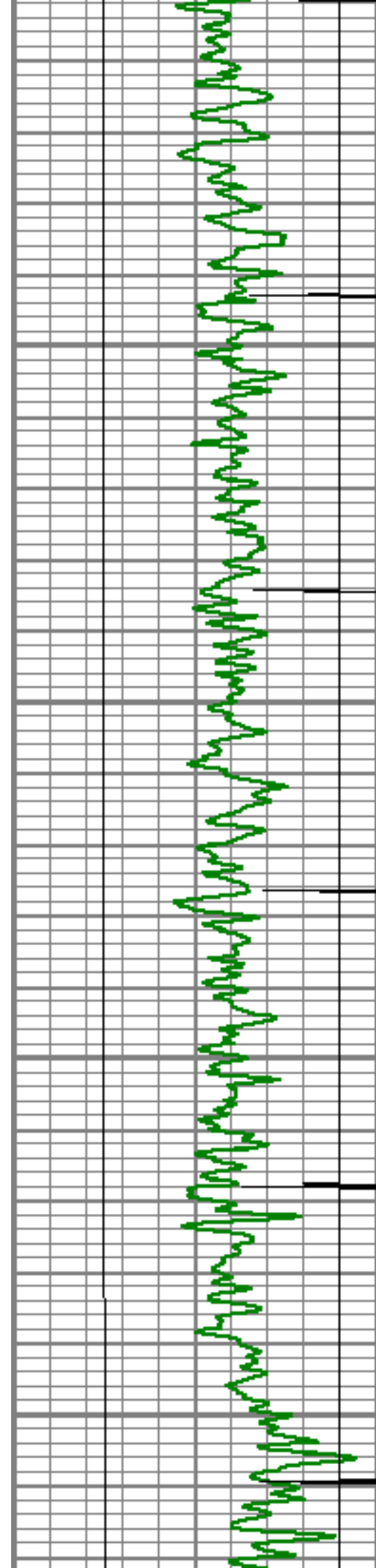
6650

6700

6750

6800



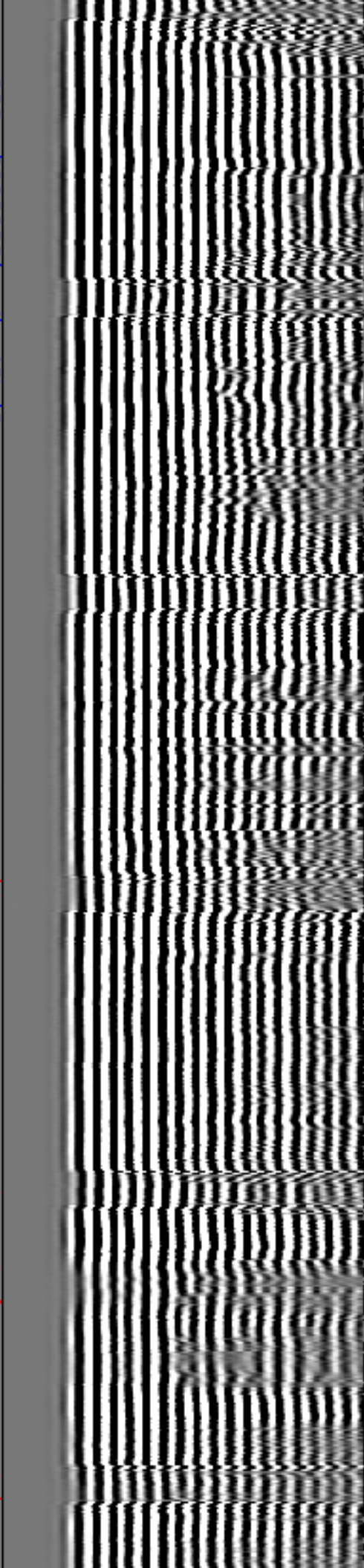
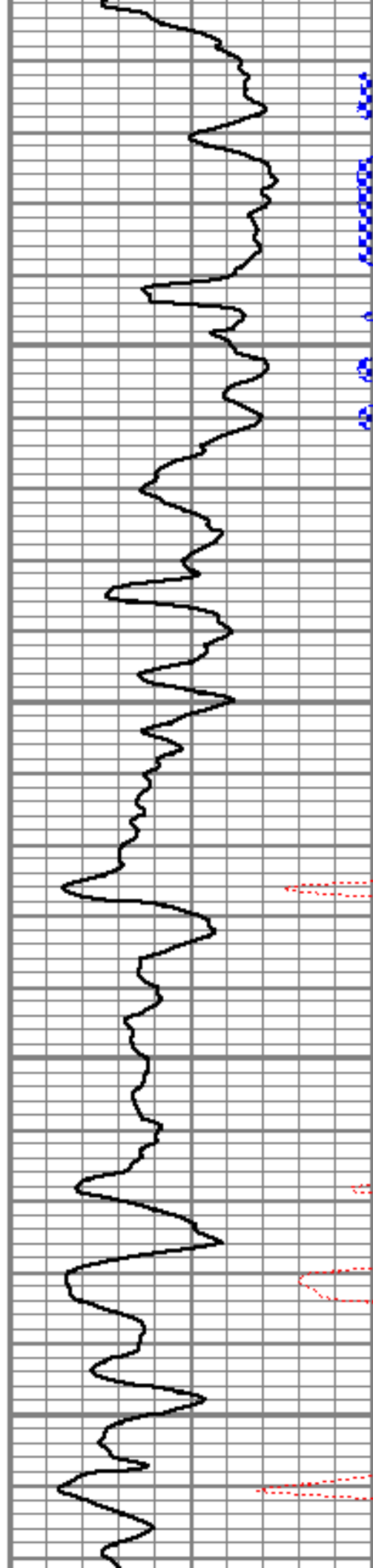


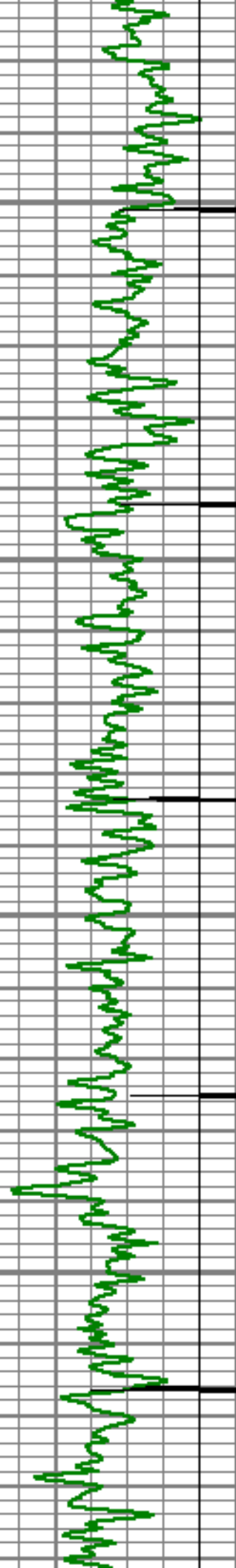
6850

6900

6950

7000



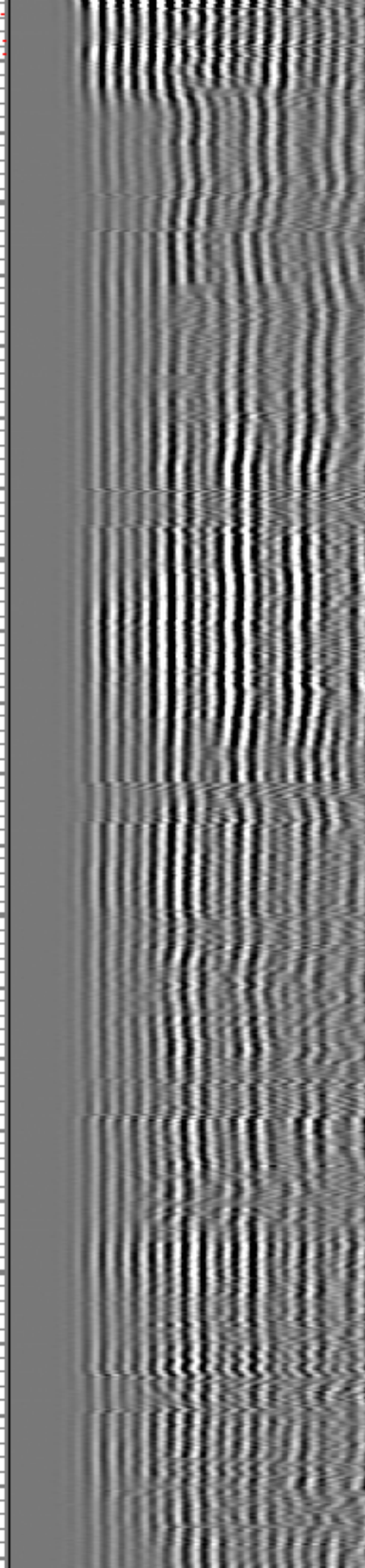
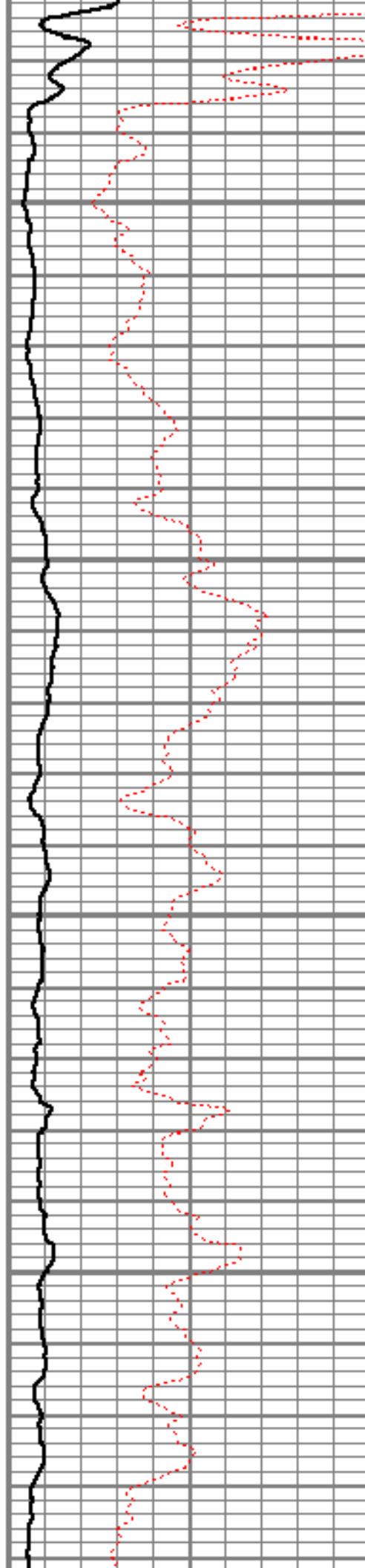


7050

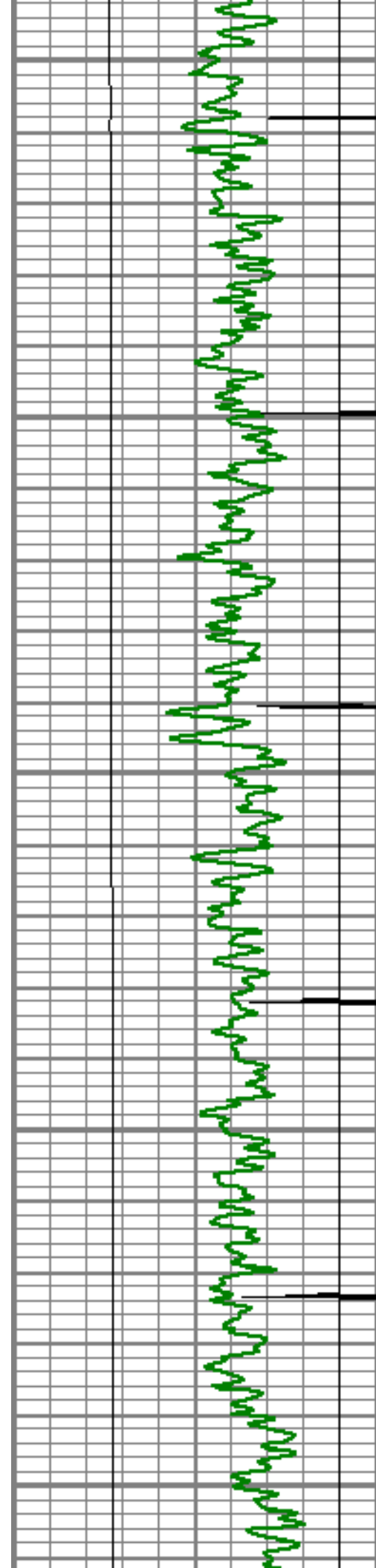
7100

7150

7200







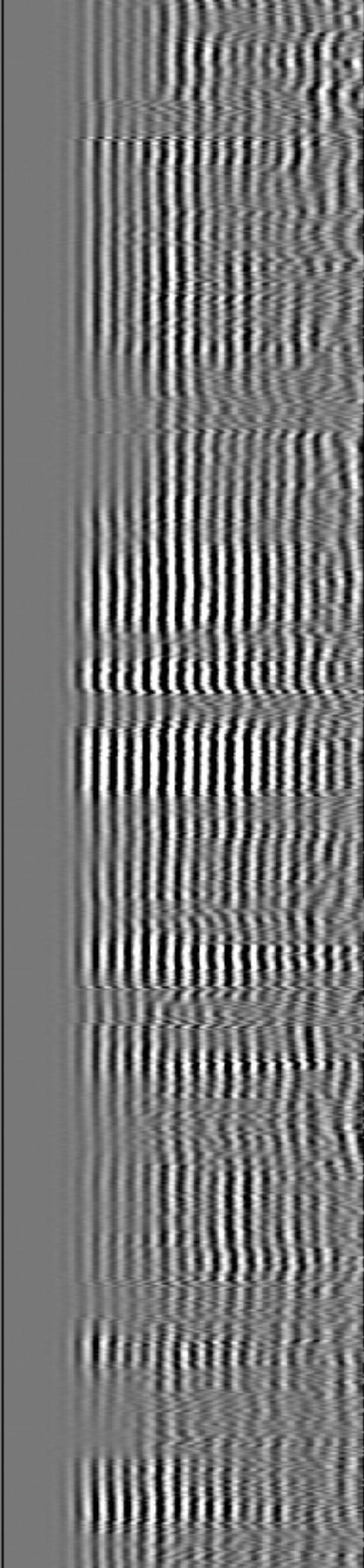
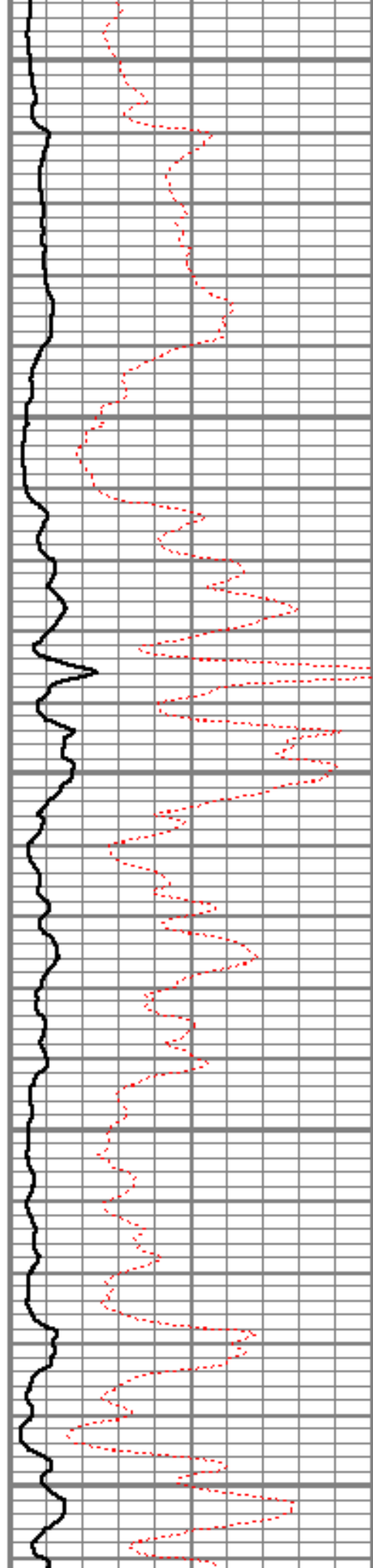
7250

7300

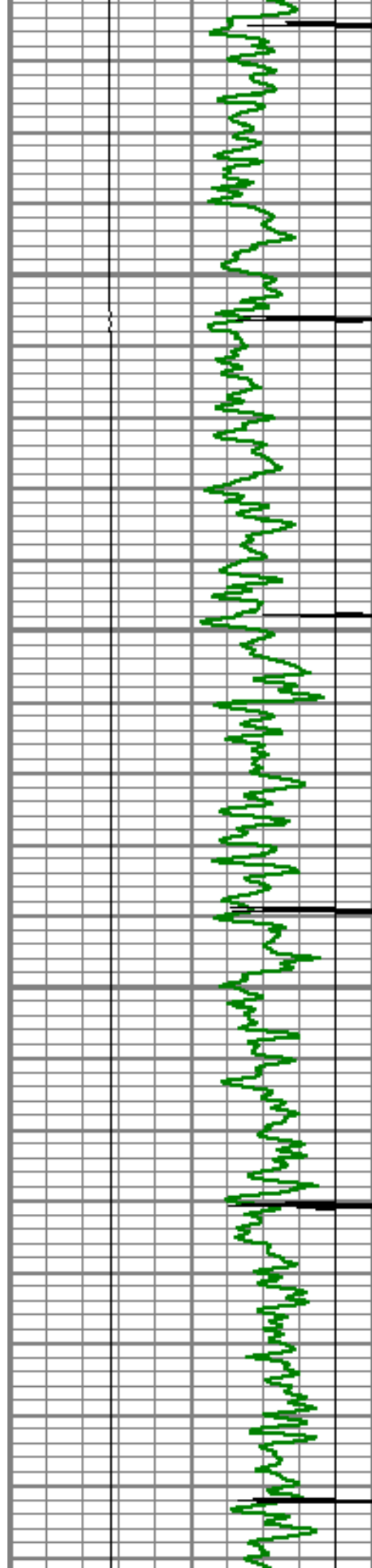
7350

7400

7450





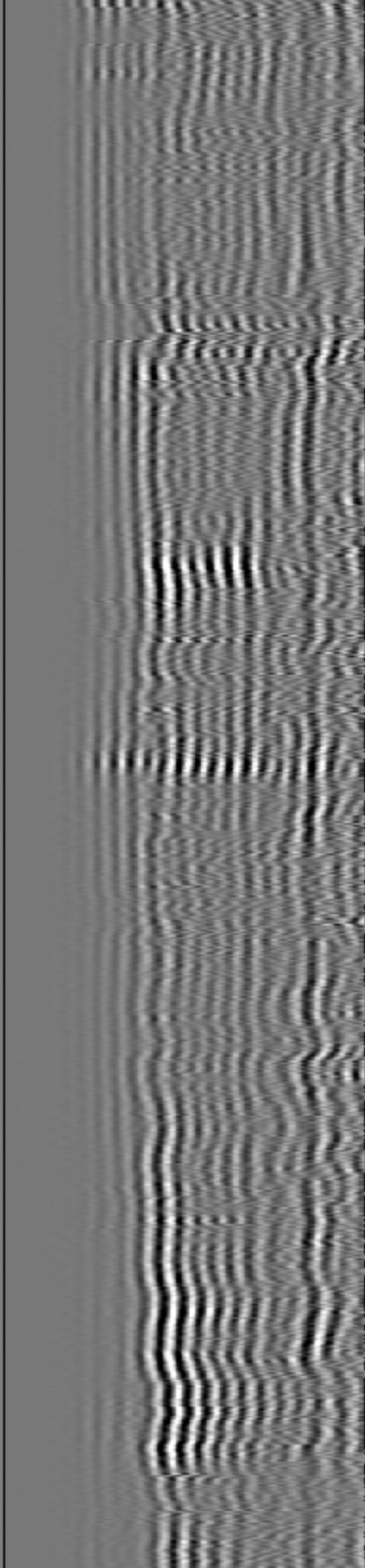
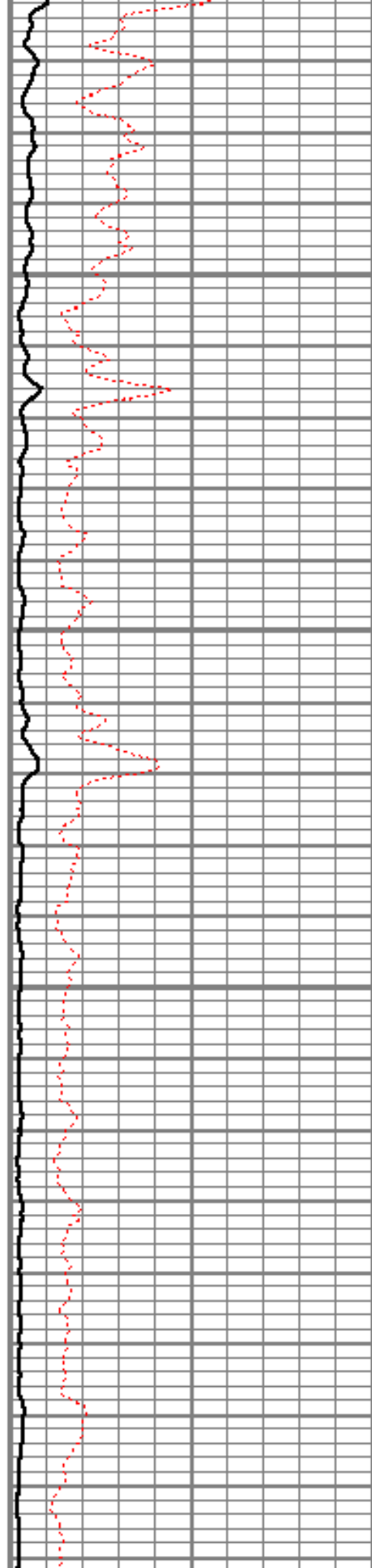


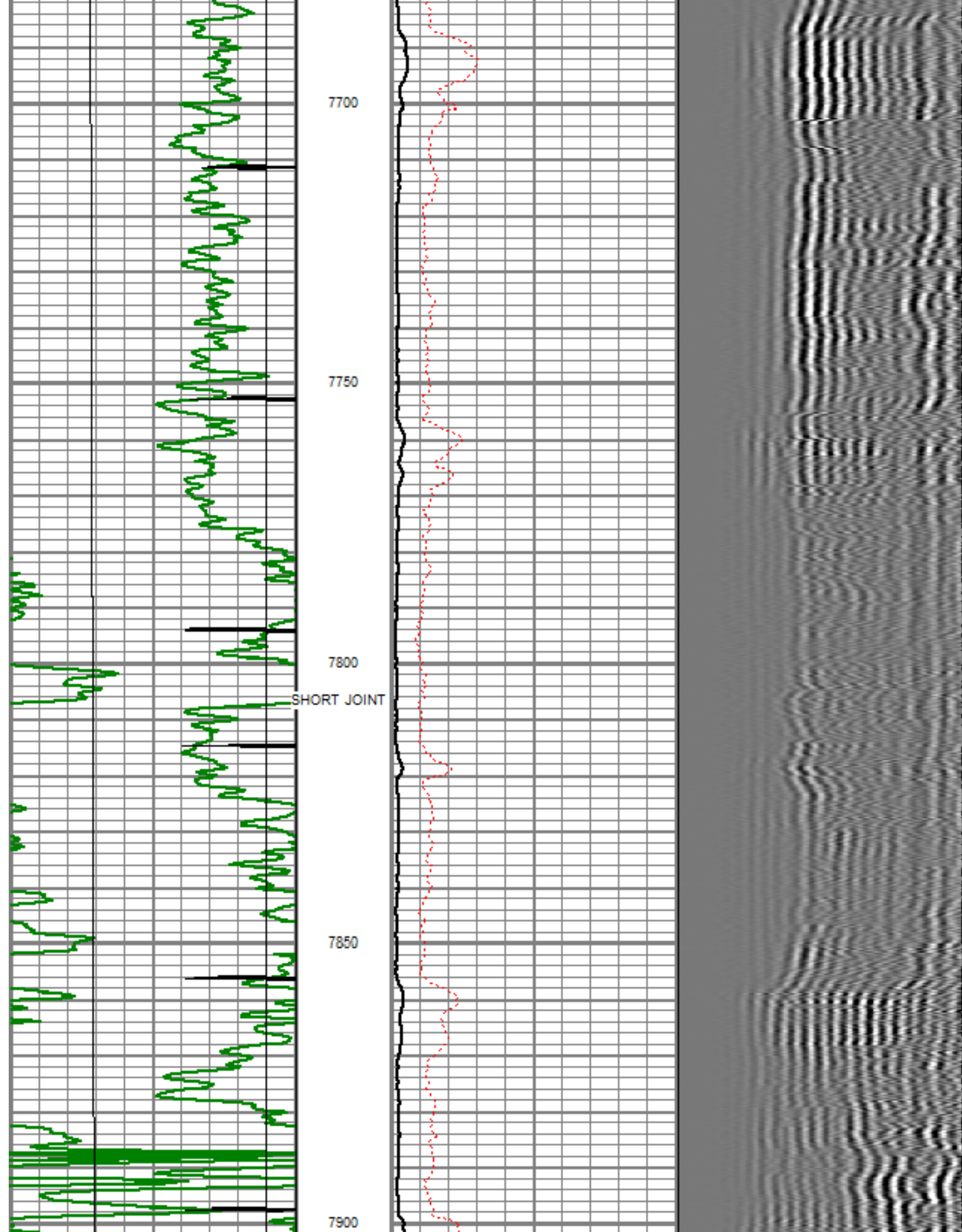
7500

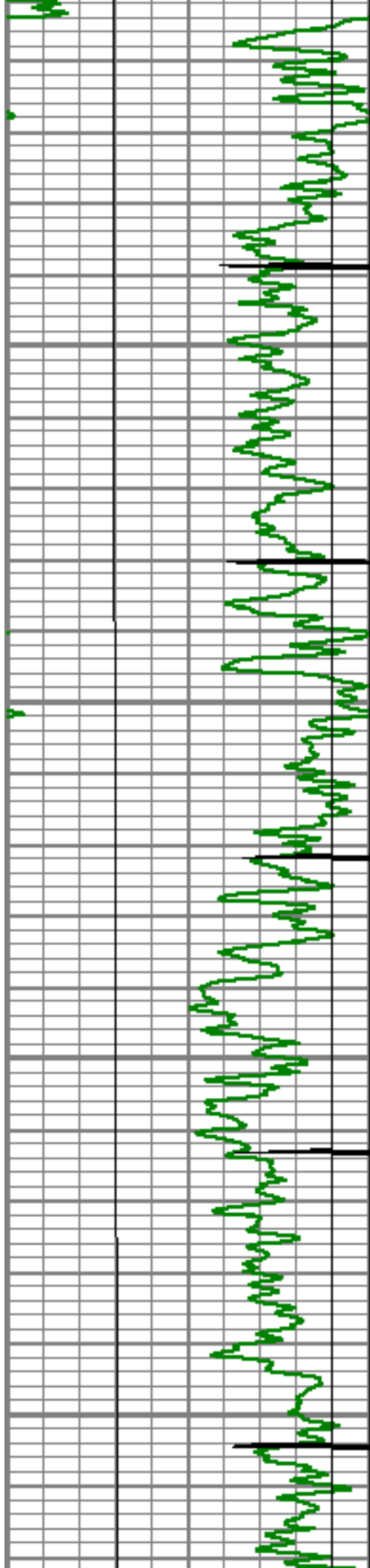
7550

7600

7650





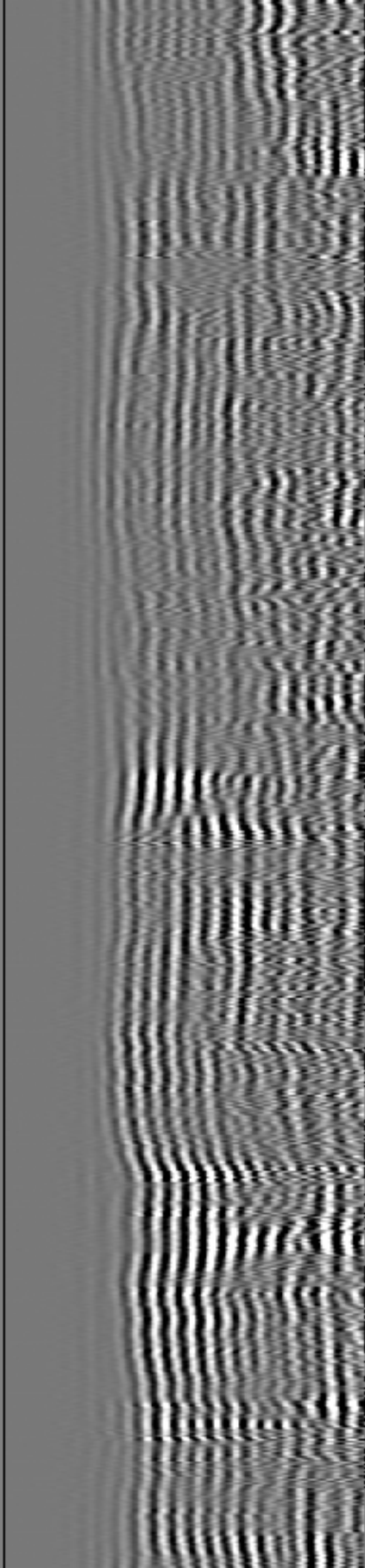
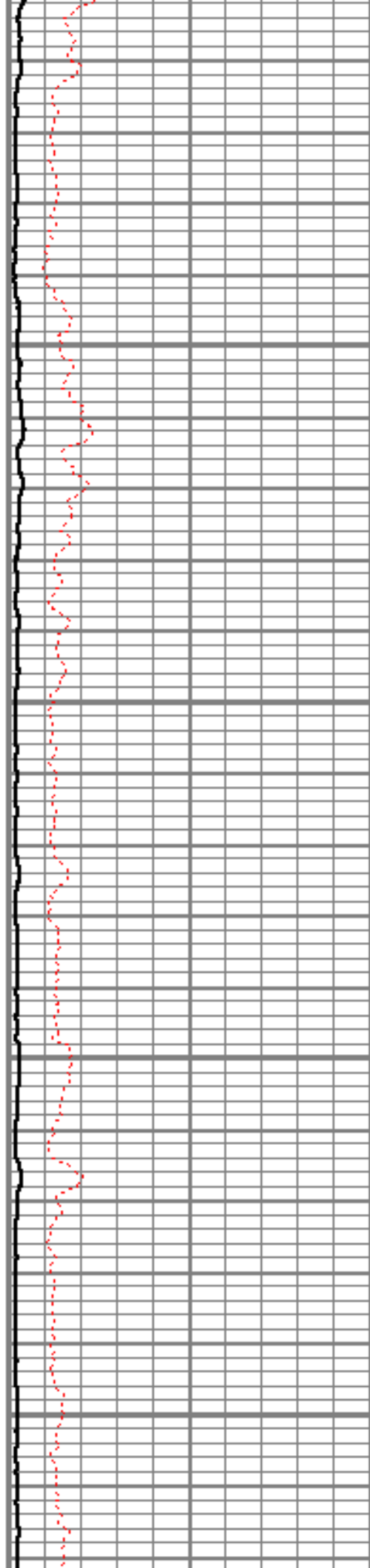


7950

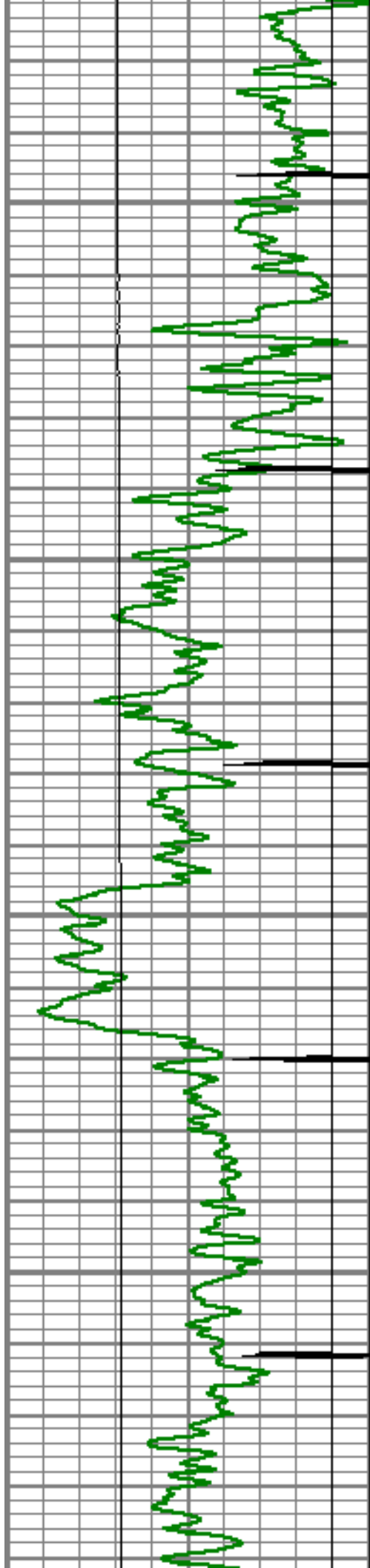
8000

8050

8100





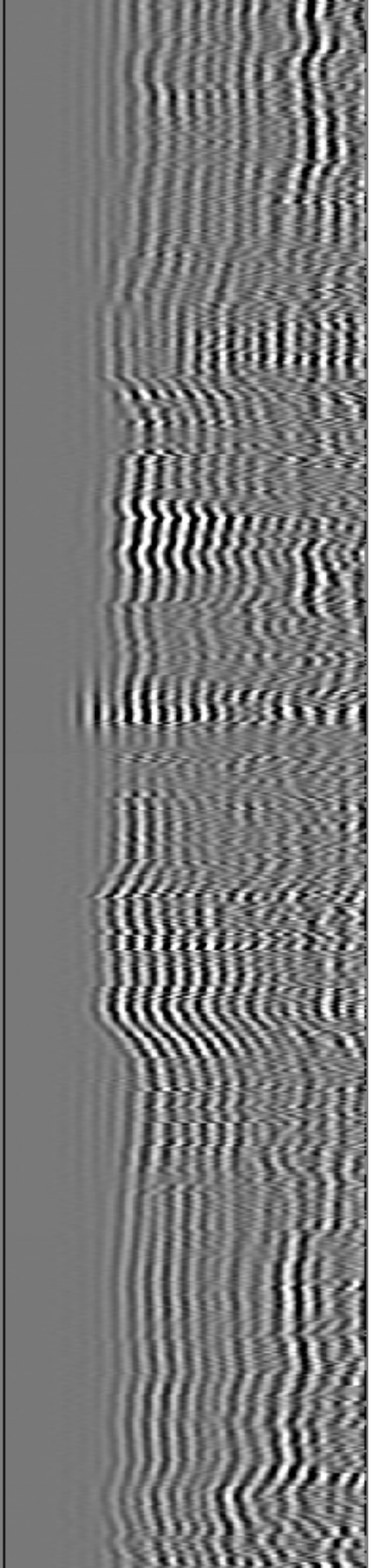
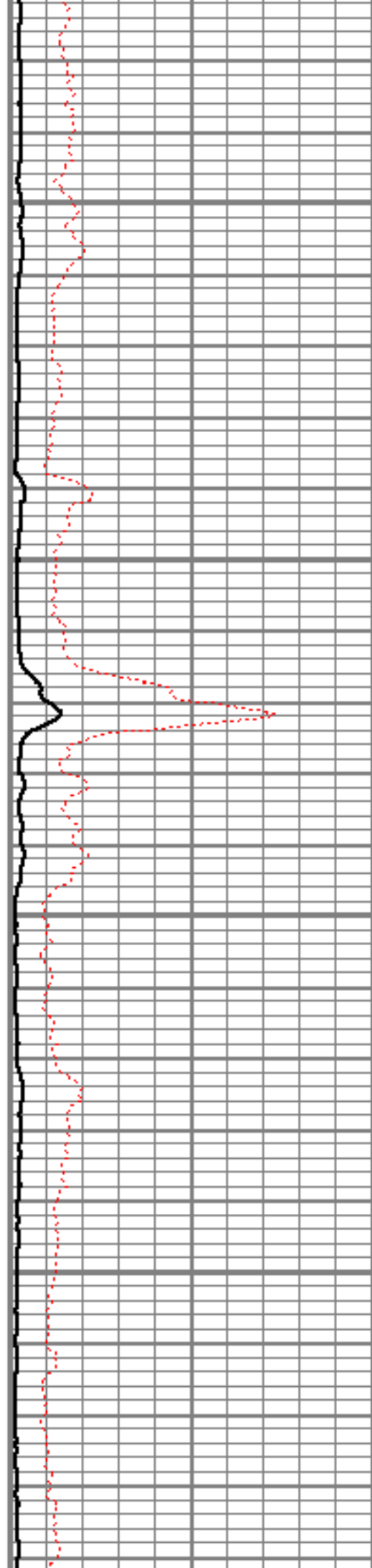


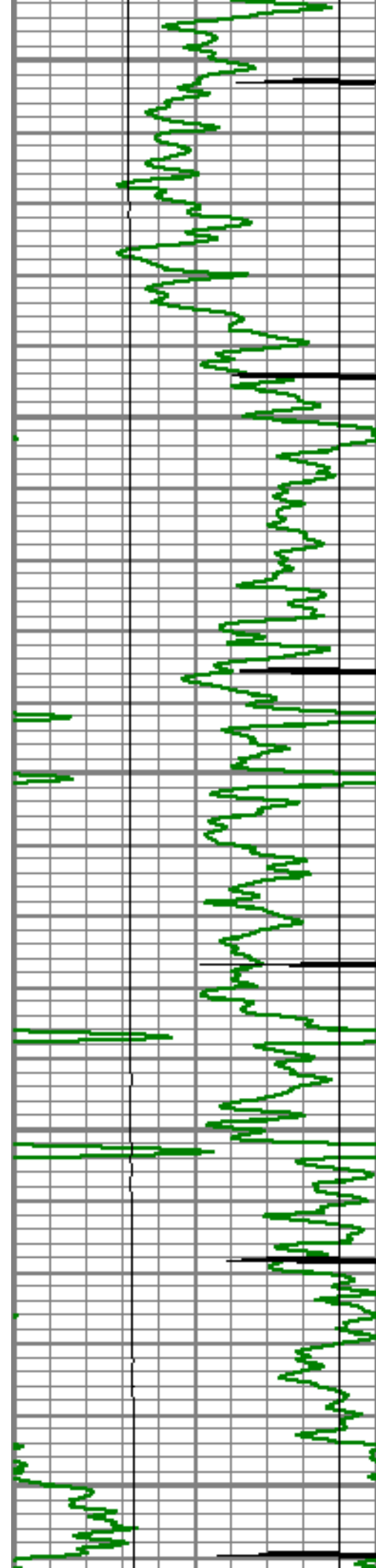
8150

8200

8250

8300





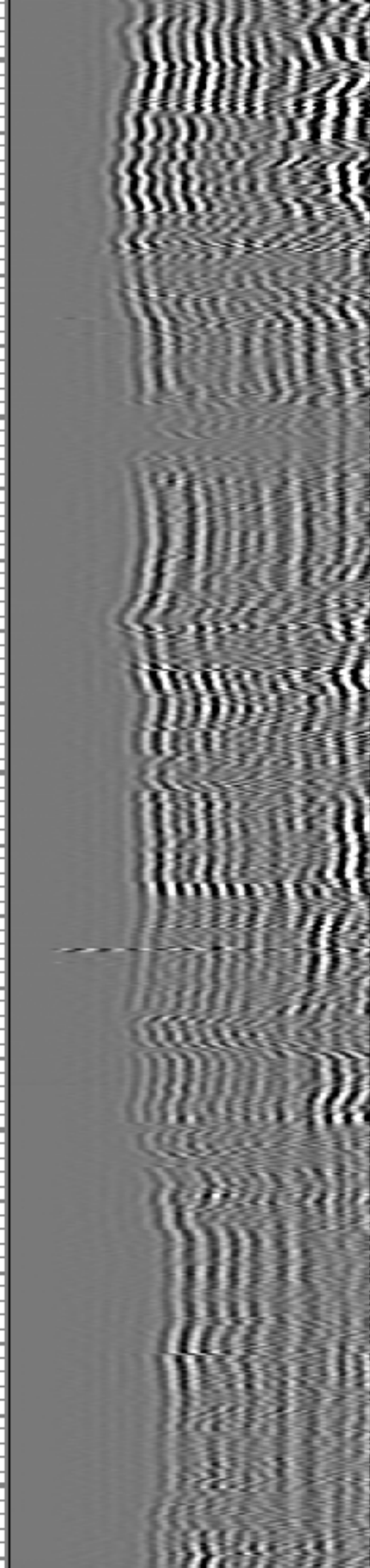
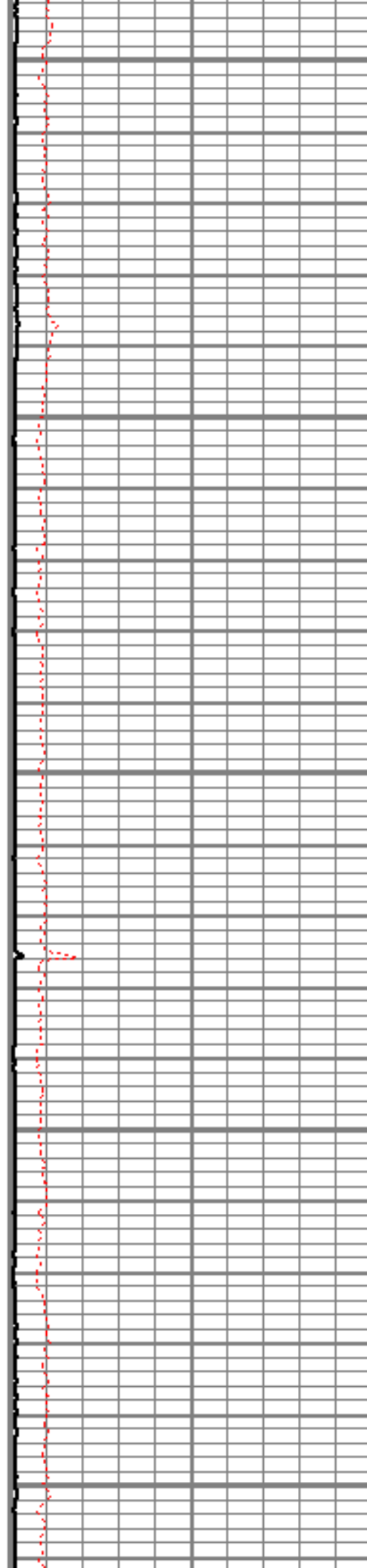
8350

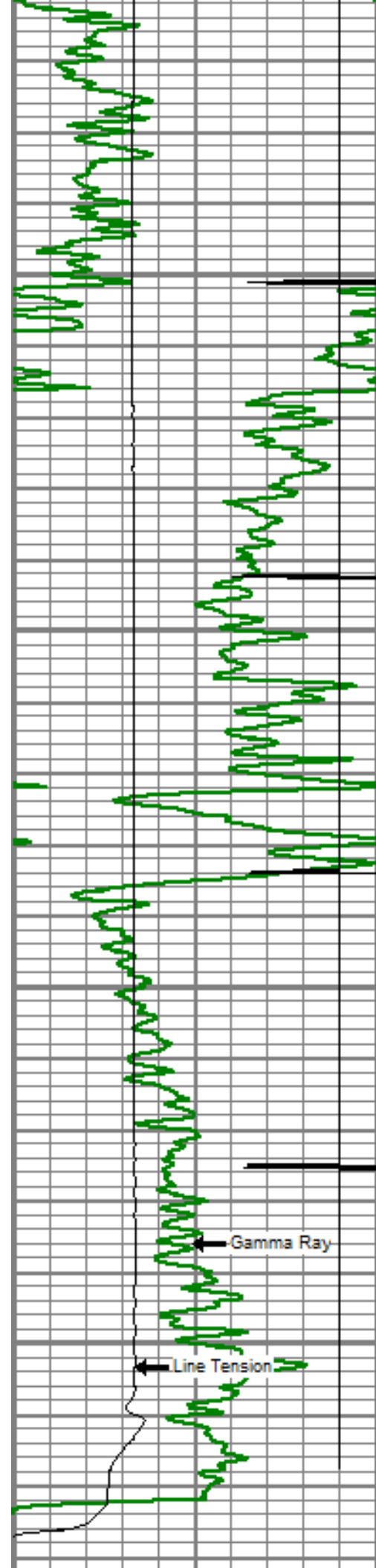
8400

8450

8500

8550





8600

8650

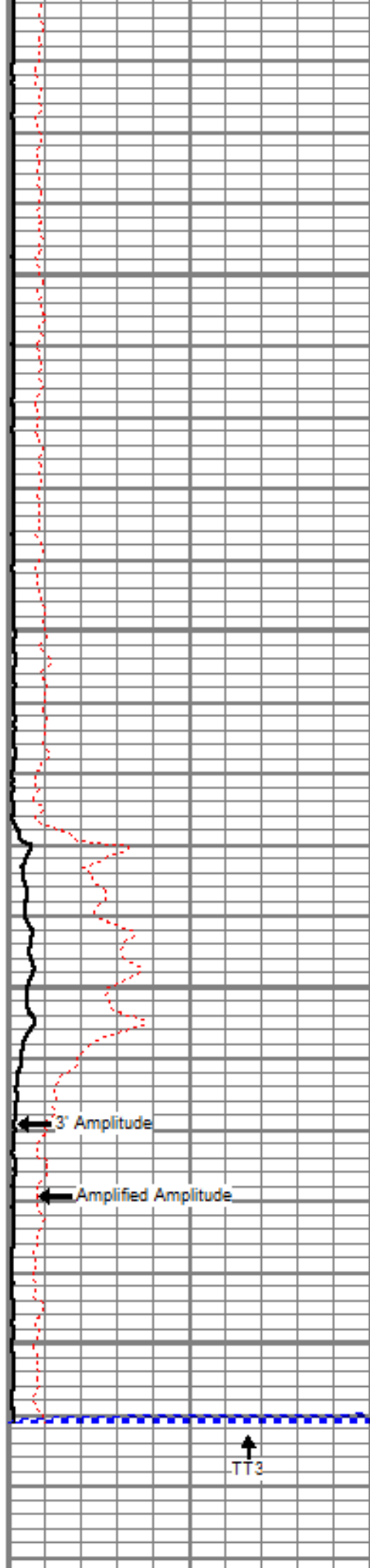
8700

8750

CCL

Gamma Ray

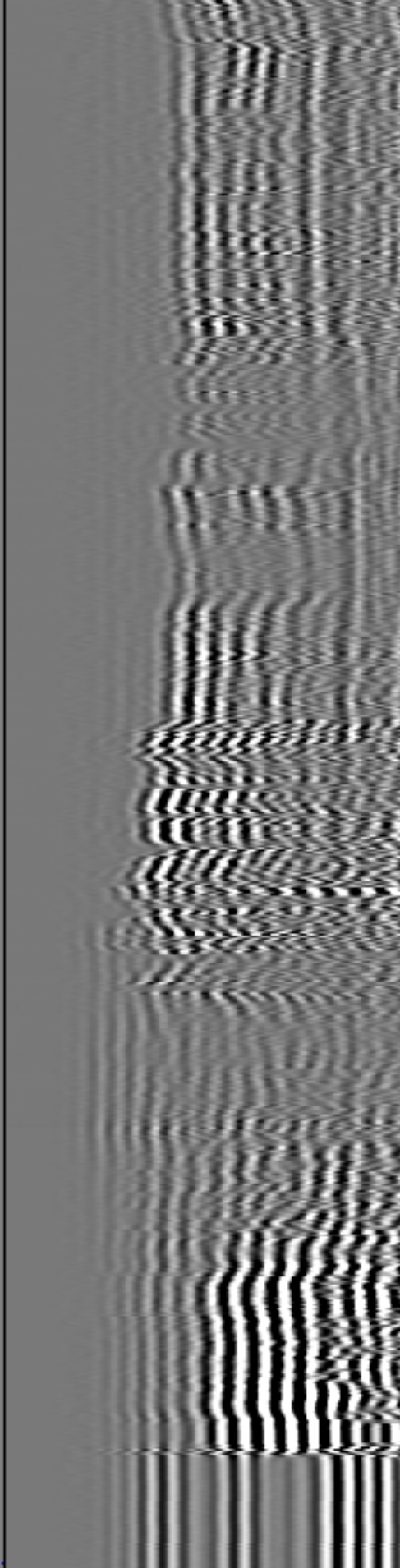
Line Tension



3' Amplitude

Amplified Amplitude

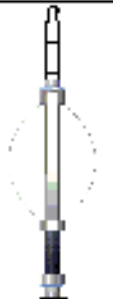

TT3

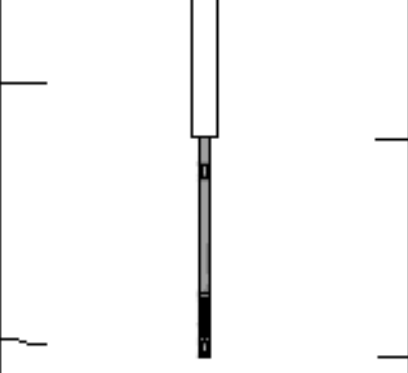



Variable Density



			8800					
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WVF3	16.56		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_28.77.1) Probe 2.75" Dual Receiver Bond		2.75	60.00
WVF5	15.56		Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL	8.21		CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_02.02) Probe 2 Magnet CCL		2.75	
			GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	2.75	30.00

GR	3.63		TEMP-Comprobe (TEMP_CMPRB_1375)	0'2.88	1.38	15.00
TEMP	0.17		Positive pulse Temp tool			
Dataset: canyon creek 4-8-13.db: field/well/run1/pass5 Total Length: 24.98 ft Total Weight: 126.50 lb O.D. 2.75 in						

	Company	ENCANA OIL & GAS (USA) INC
	Well	CANYON CREEK 4-8-13
	Field	WATTENBERG
	County	BOULDER
	State	COLORADO