



# CEMENT BOND LOG

Mesa Wireline

Company	ENCANA OIL & GAS (USA) INC.	Company	ENCANA OIL & GAS (USA) INC.
Well	ECHEVERRIA 4-2-2	Well	ECHEVERRIA 4-2-2
Field	WATTENBERG	Field	WATTENBERG
County	WELD	County	WELD
State	COLORADO	State	COLORADO
Location:		API # : 05-123-30528-0000	Other Services
SEC. 2 TWP. 2N RGE. 67W		NONE	
Permanent Datum	GROUND LEVEL	Elevation	4855'
Log Measured From	KELLY BUSHING = 13'	K.B. 4868'	
Drilling Measured From	KELLY BUSHING	D.F. 4867'	
		G.L. 4855'	

Date	SEPTEMBER 19, 2012						
Run Number	ONE						
Depth Driller	8060'						
Depth Logger	8010'						
Bottom Logged Interval	8010'						
Top Log Interval	800'						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	~8.34 LBS/ GAL						
Max. Recorded Temp.	273 DEG F						
Estimated Cement Top	3760'						
Time Well Ready	N/A						
Time Logger on Bottom	N/A						
Equipment Number	W0059						
Location	AULT.CO						
Recorded By	V.FULLER						
Witnessed By	T.MAJORS						
Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0'	750'				
TWO	7.875"	0'	8018'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625"	24#	0'	908'			
Prot. String							
Production String	4.50"	11.6#	0'	8034'			
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 7089'-7110'

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



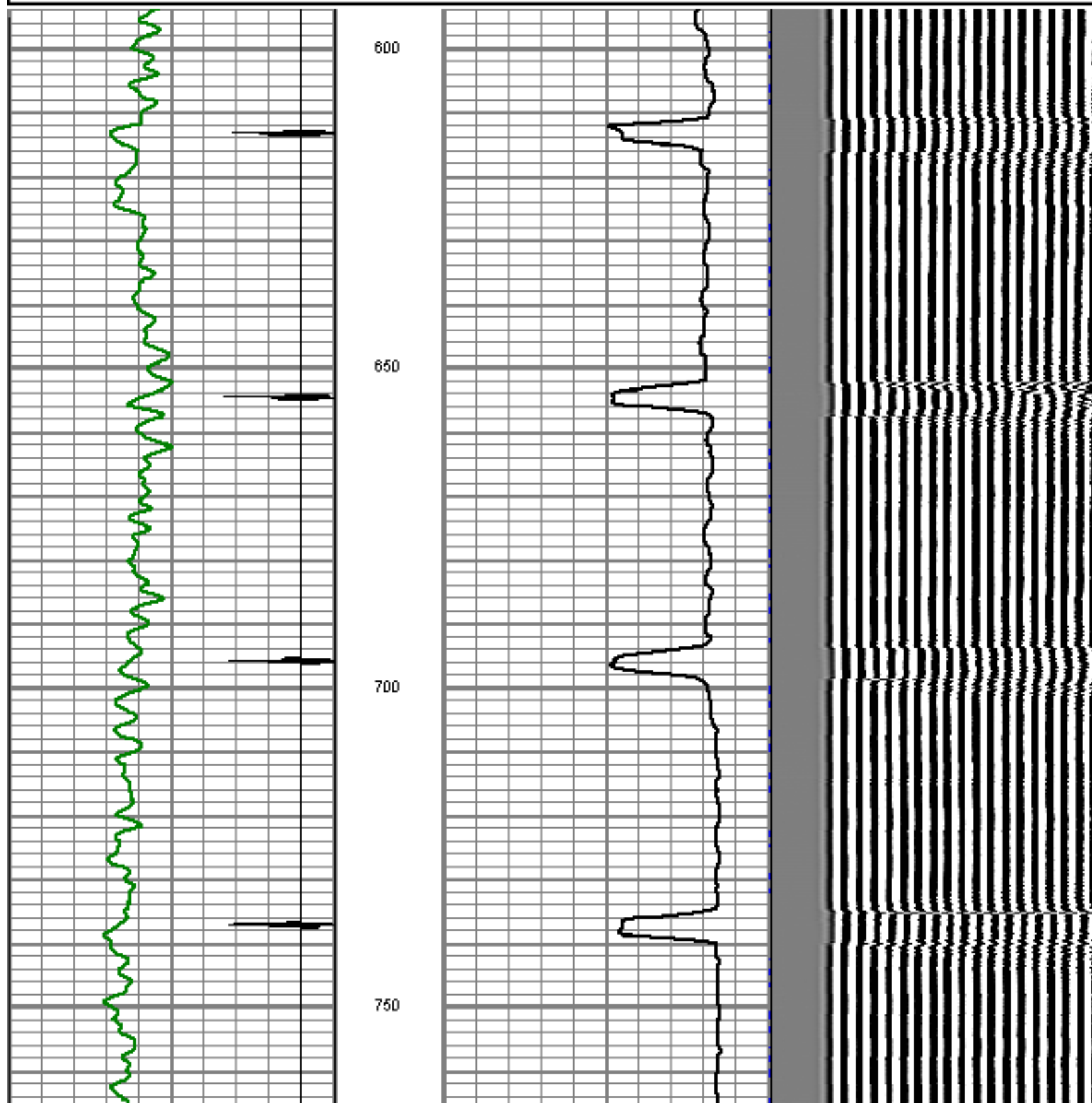
TOP PASS

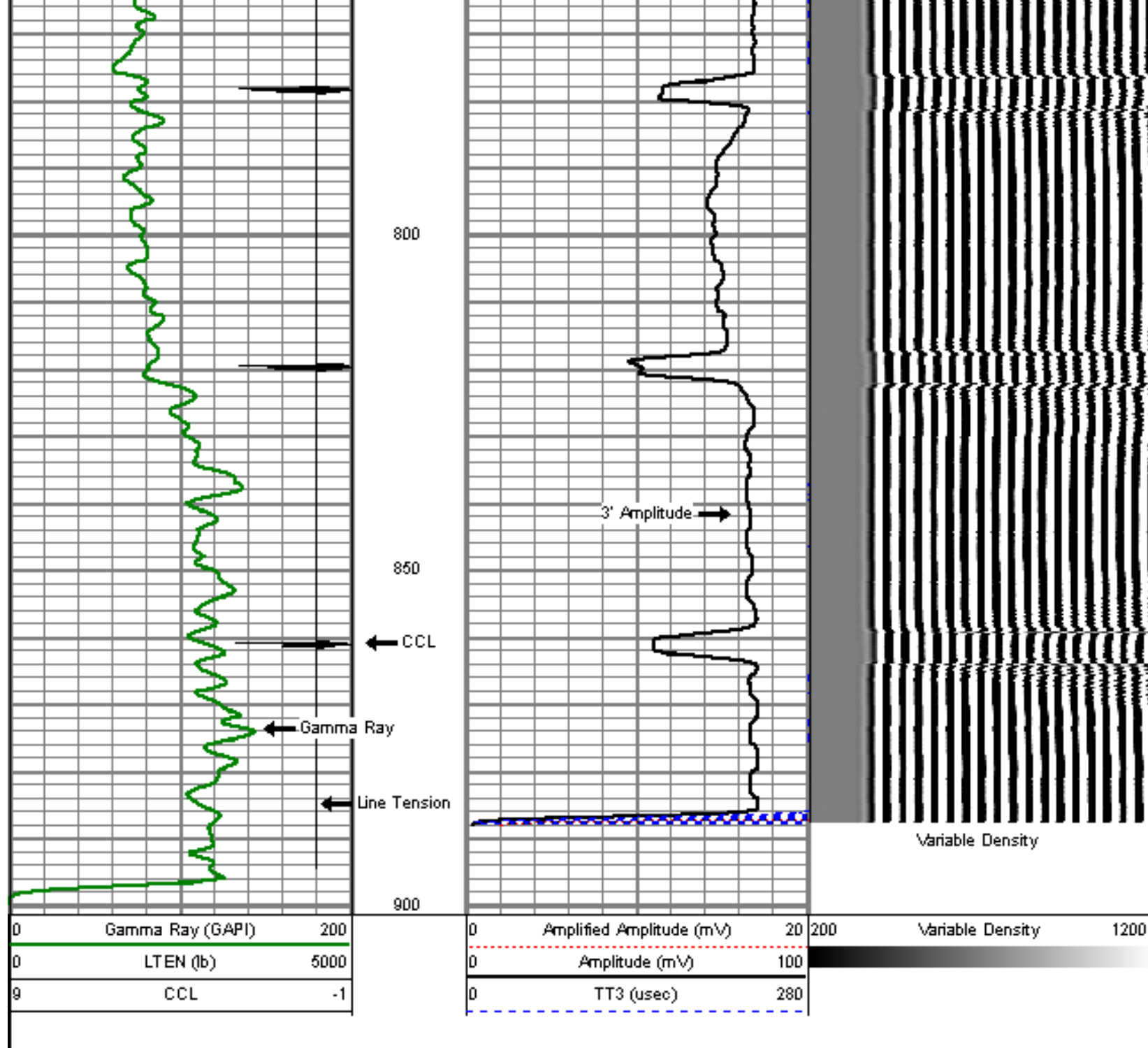
Database File: c:\documents and settings\xpouser\desktop\data\echeverria 4-2-2.db  
Dataset Pathname: pass9  
Presentation Format: dcbl\_prb  
Dataset Creation: Wed Sep 19 10:20:39 2012 by Log Std Casedhole 09061  
Charted by: Depth in Feet scaled 1:240

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

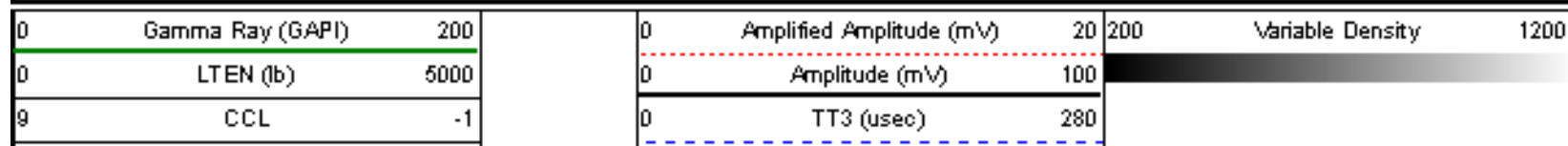


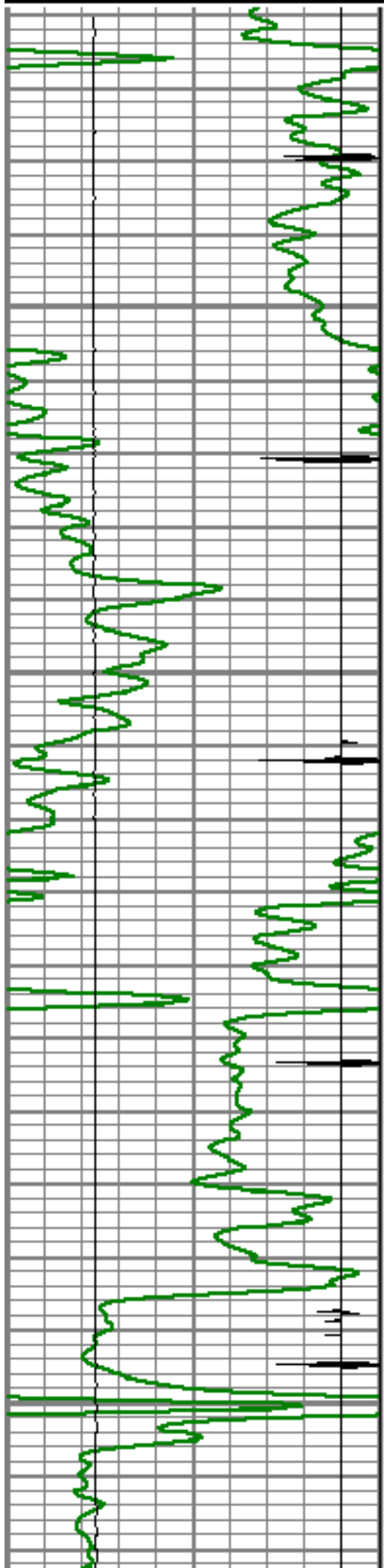


REPEAT PASS

5" = 100'

Database File: c:\documents and settings\xpmuser\desktop\data\echeverria 4-2-2.db  
 Dataset Pathname: pass4  
 Presentation Format: dcbl\_prb  
 Dataset Creation: Wed Sep 19 08:32:59 2012 by Log Std Casedhole 09061  
 Charted by: Depth in Feet scaled 1:240



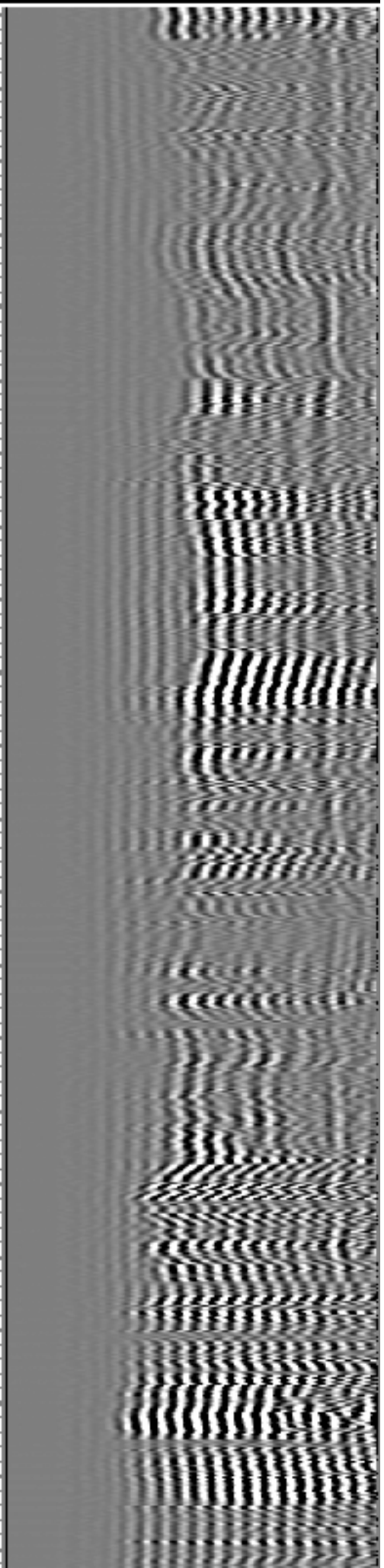
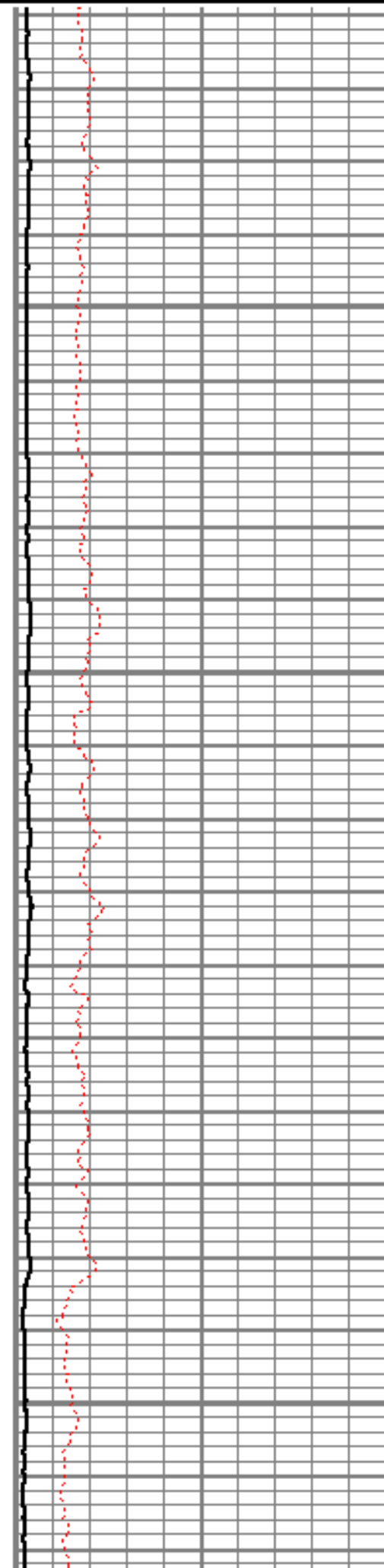


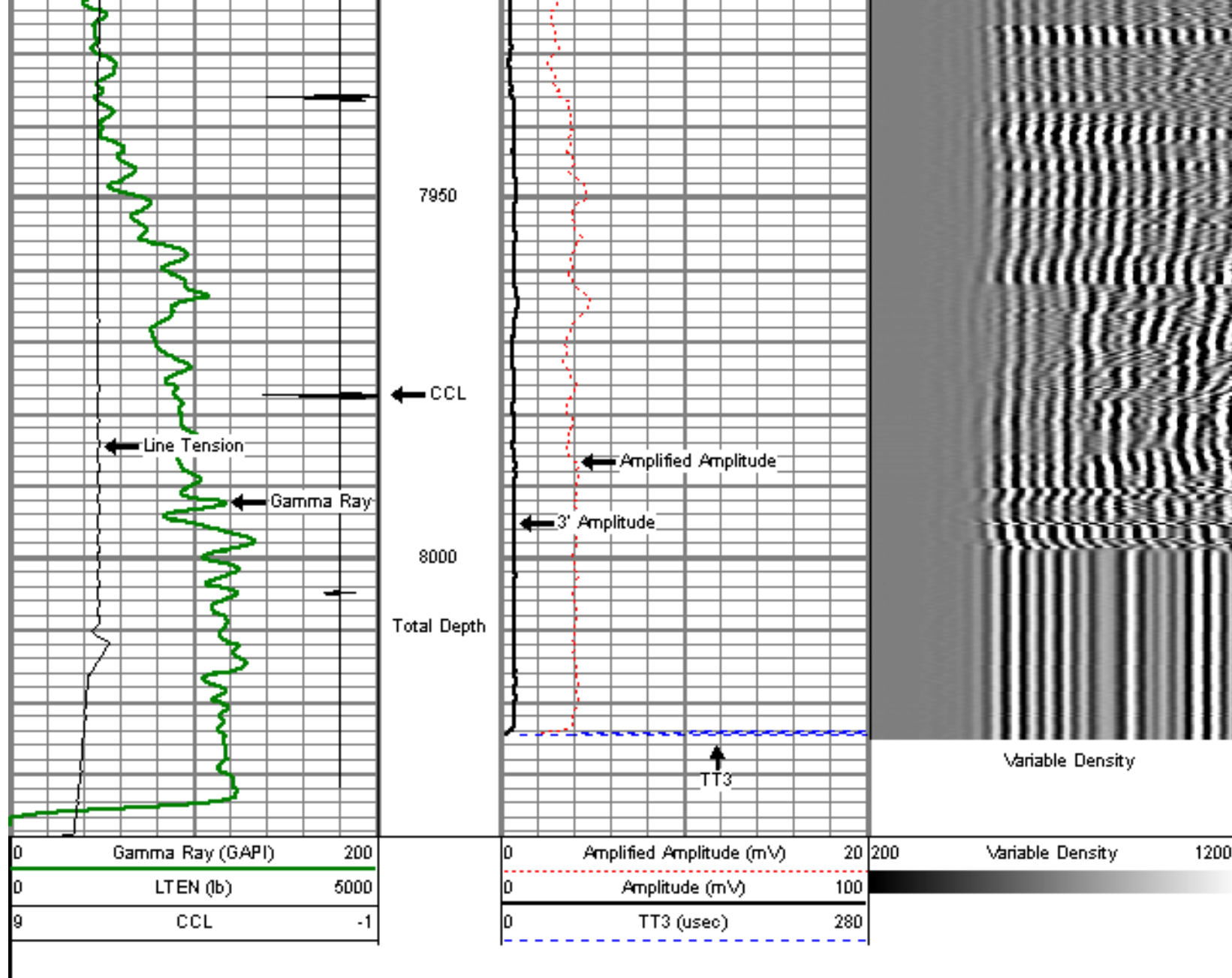
7750

7800

7850

7900

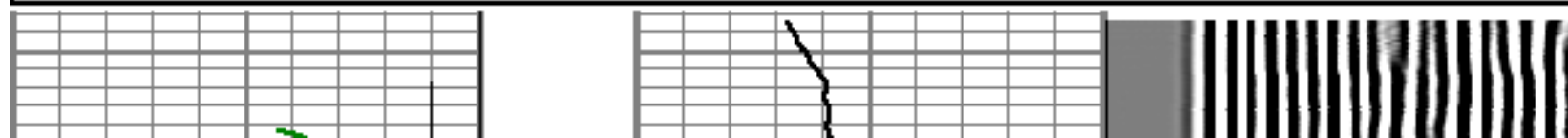
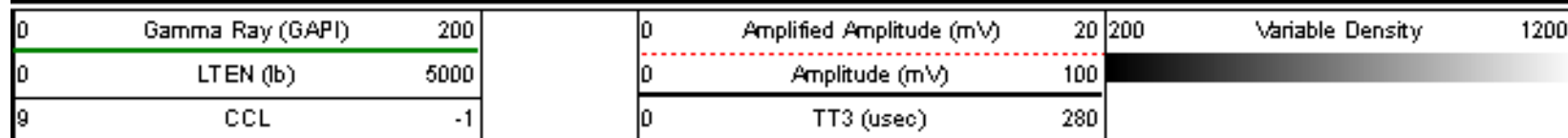




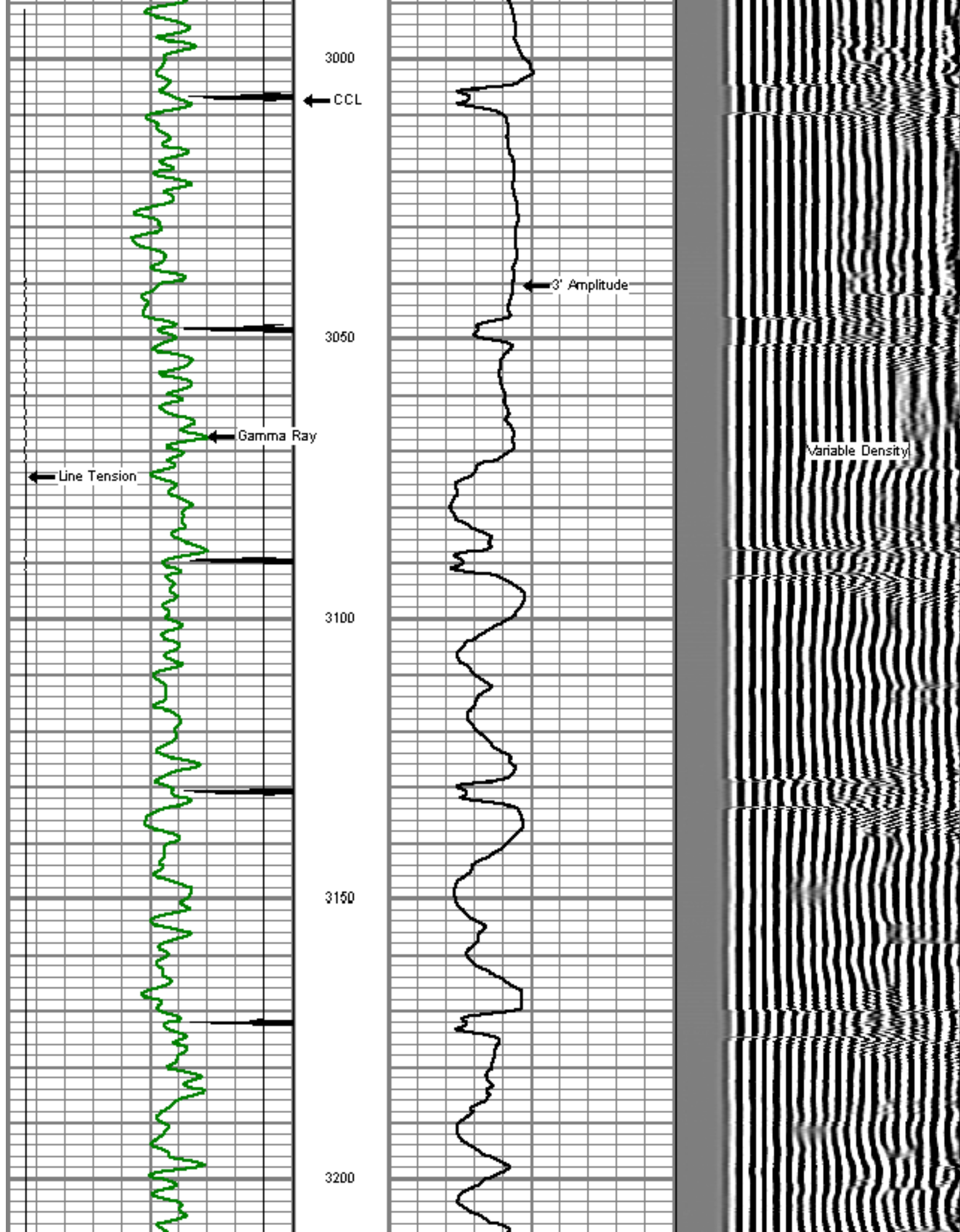
## MAIN PASS

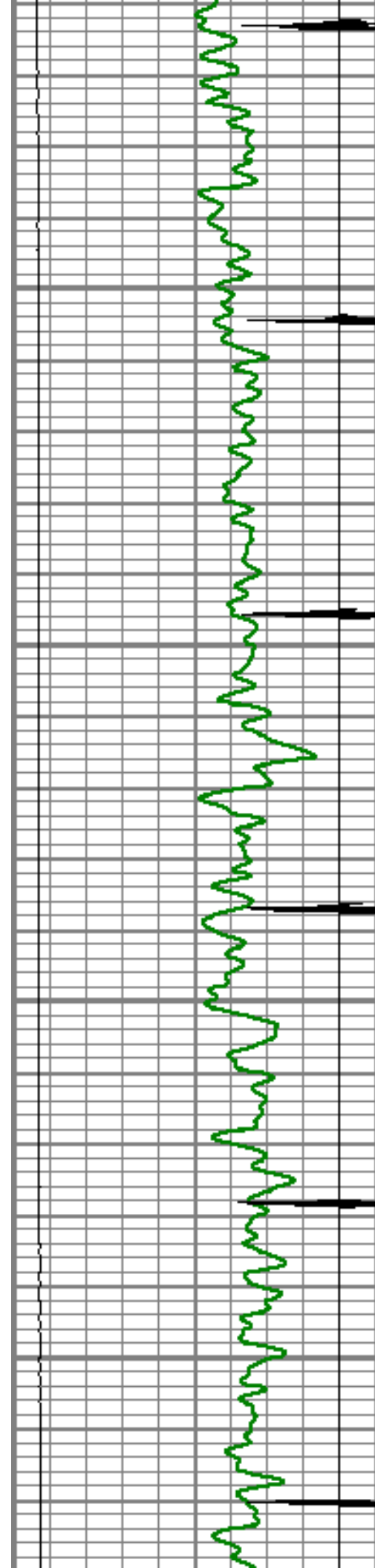
5" = 100'

Database File: c:\documents and settings\xpmuser\desktop\data\echeverria 4-2-2.db  
 Dataset Pathname: pass5.1  
 Presentation Format: dobl\_prb  
 Dataset Creation: Wed Sep 19 11:38:02 2012  
 Charted by: Depth in Feet scaled 1:240







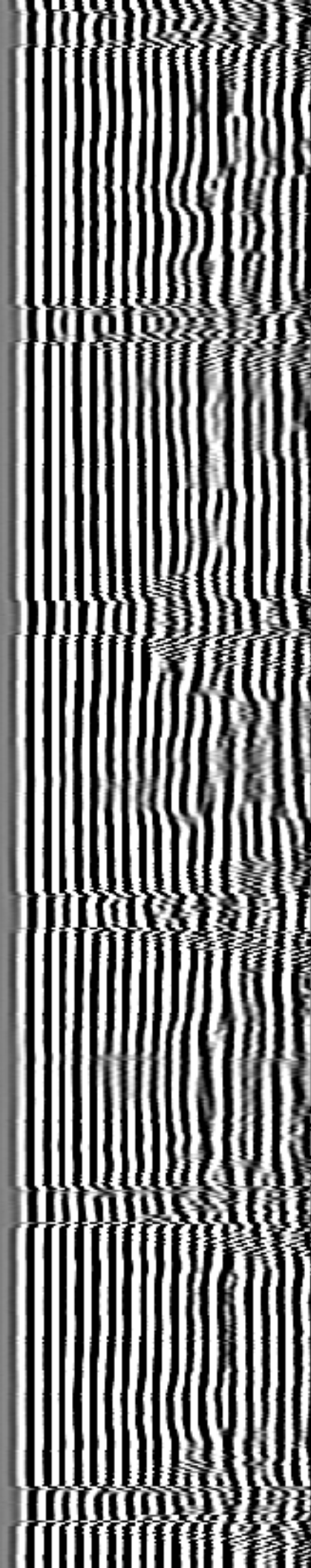
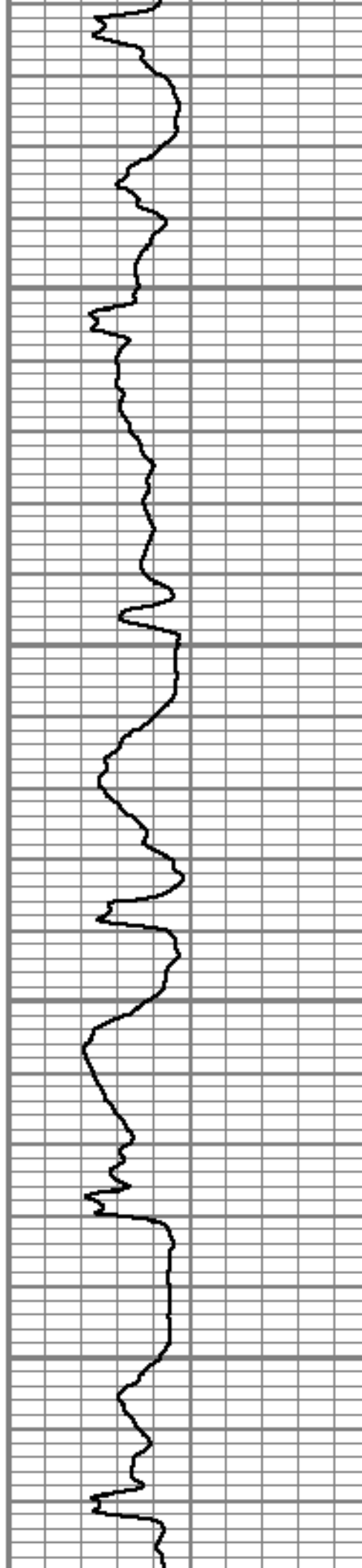


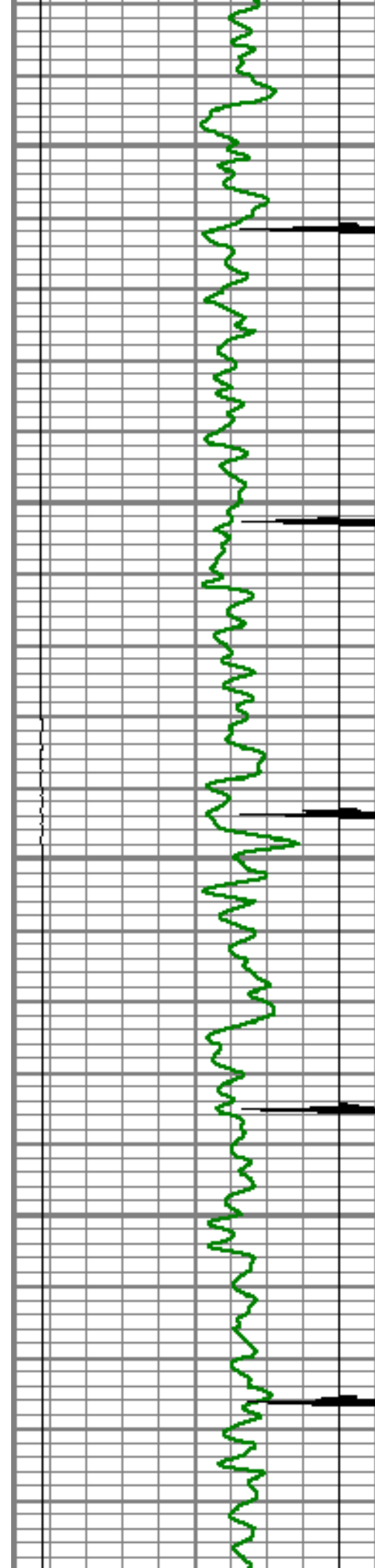
3250

3300

3350

3400





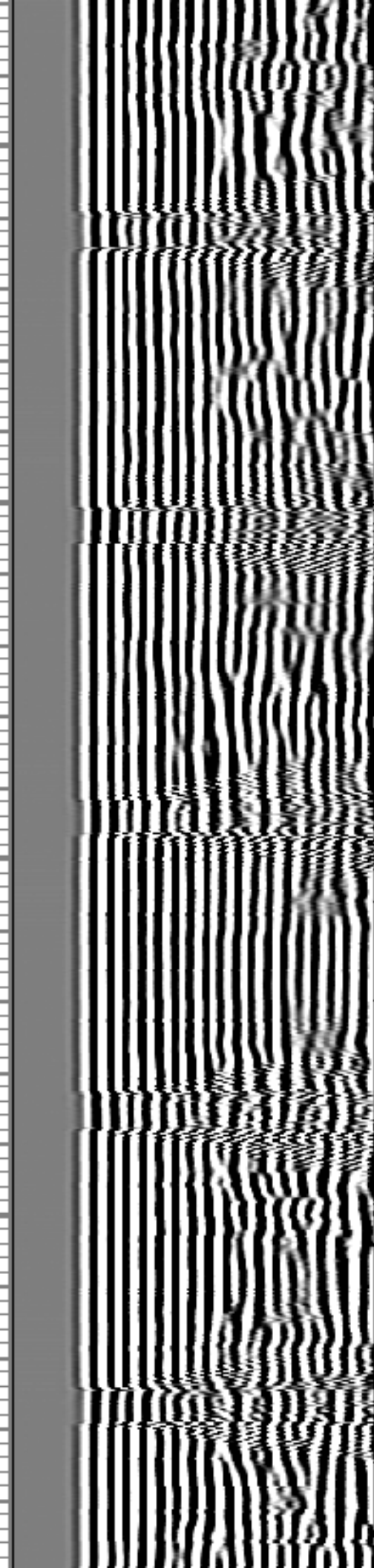
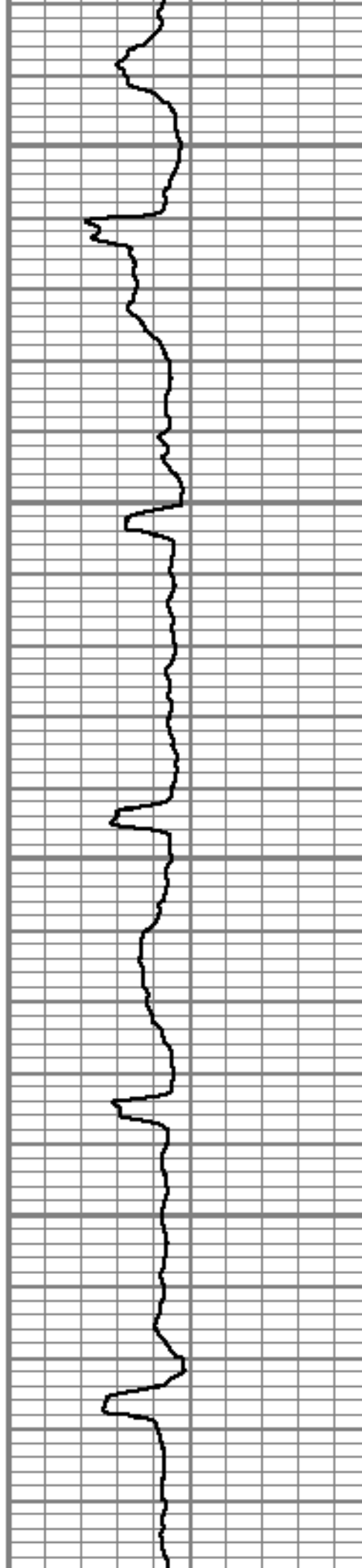
3450

3500

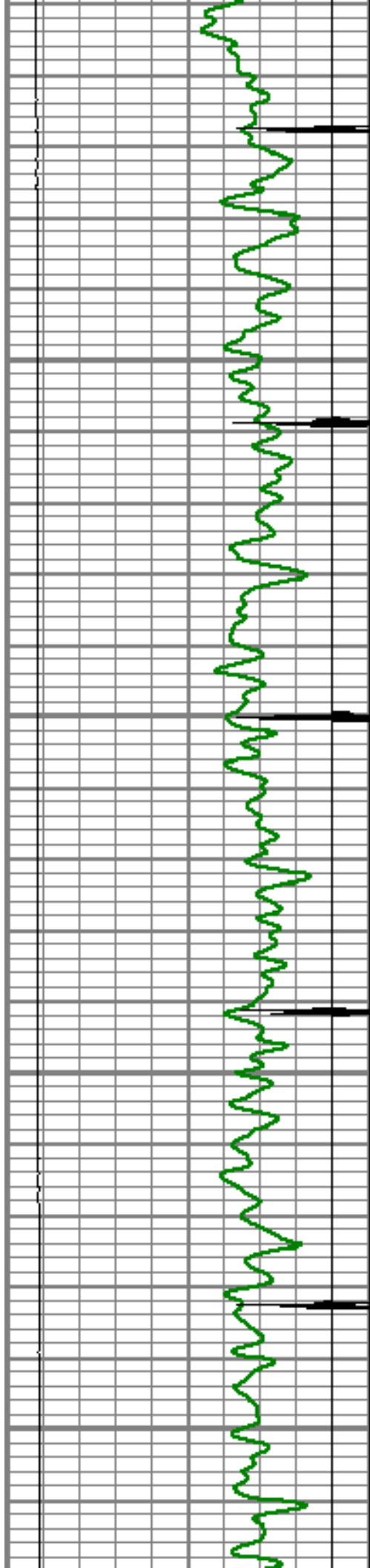
3550

3600

3650







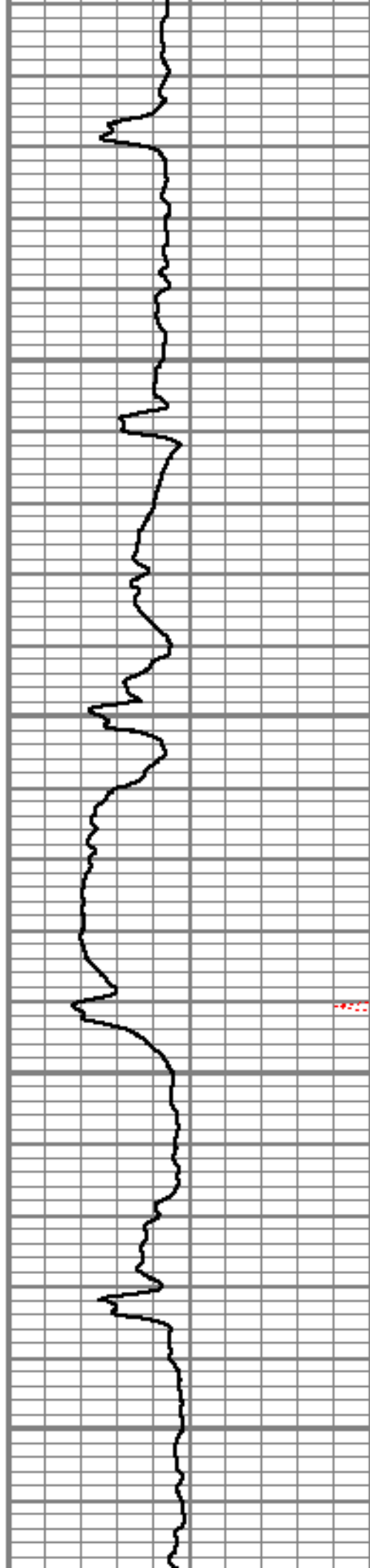
3050

3700

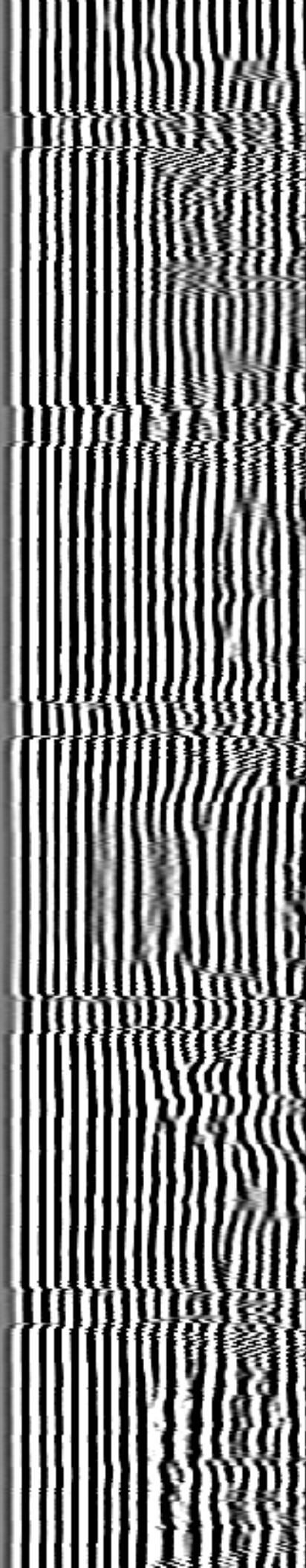
3750

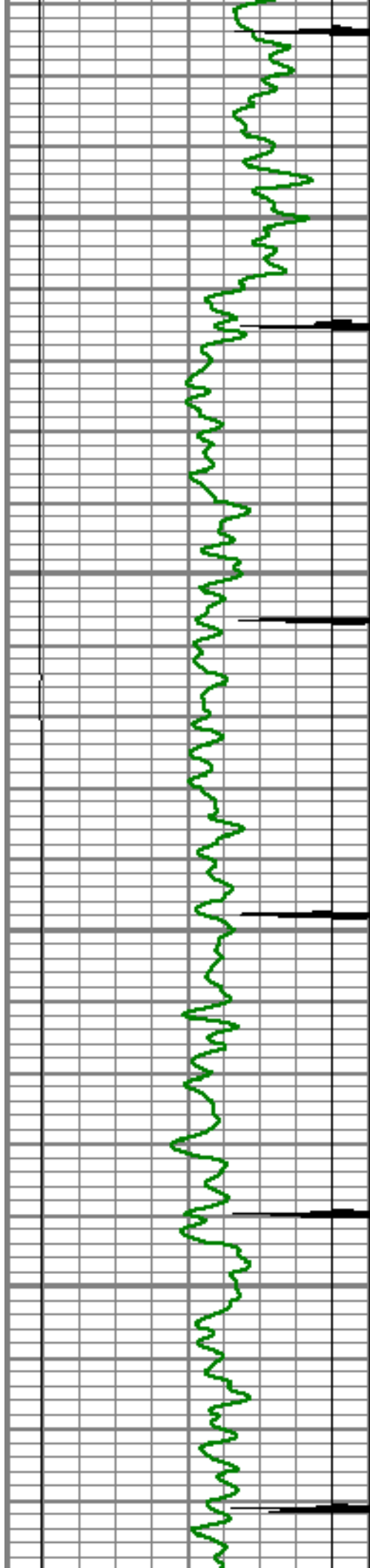
3800

3850



42.2



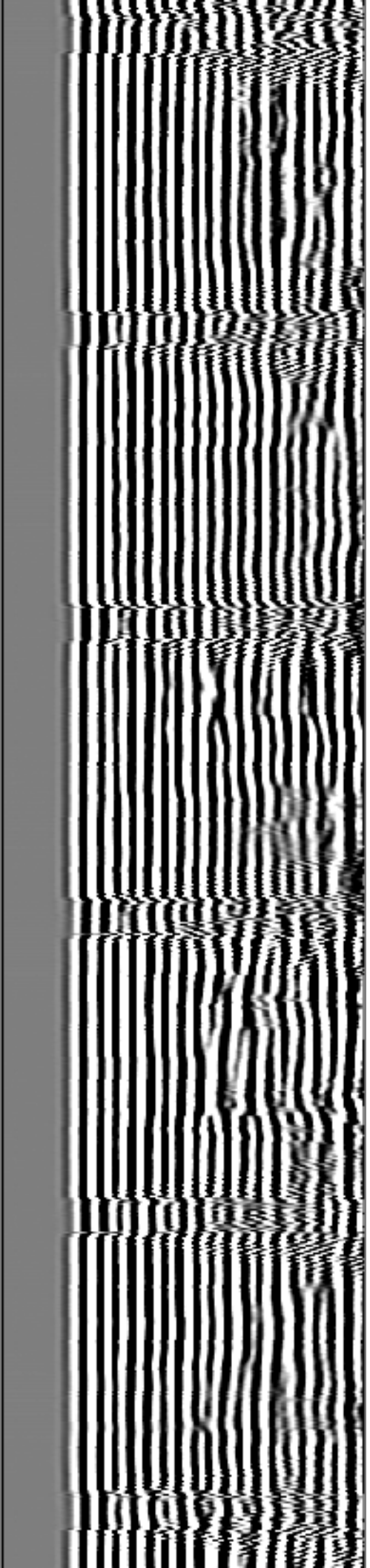
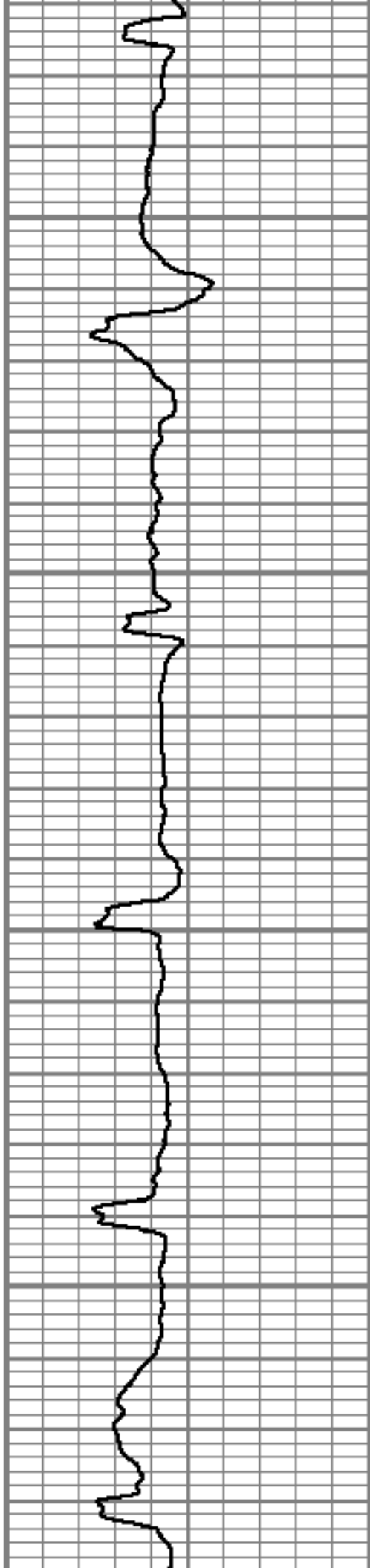


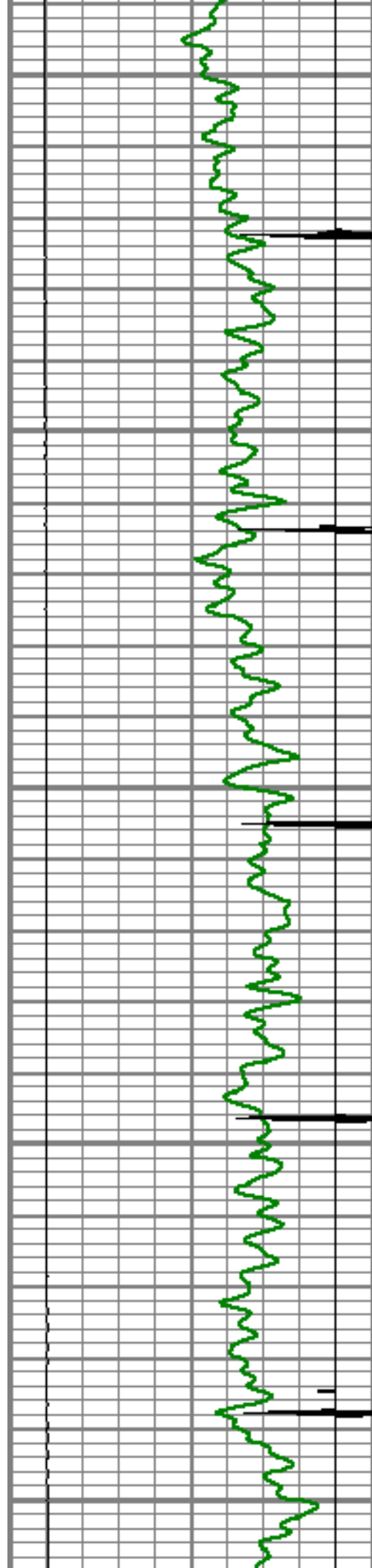
3900

3950

4000

4050





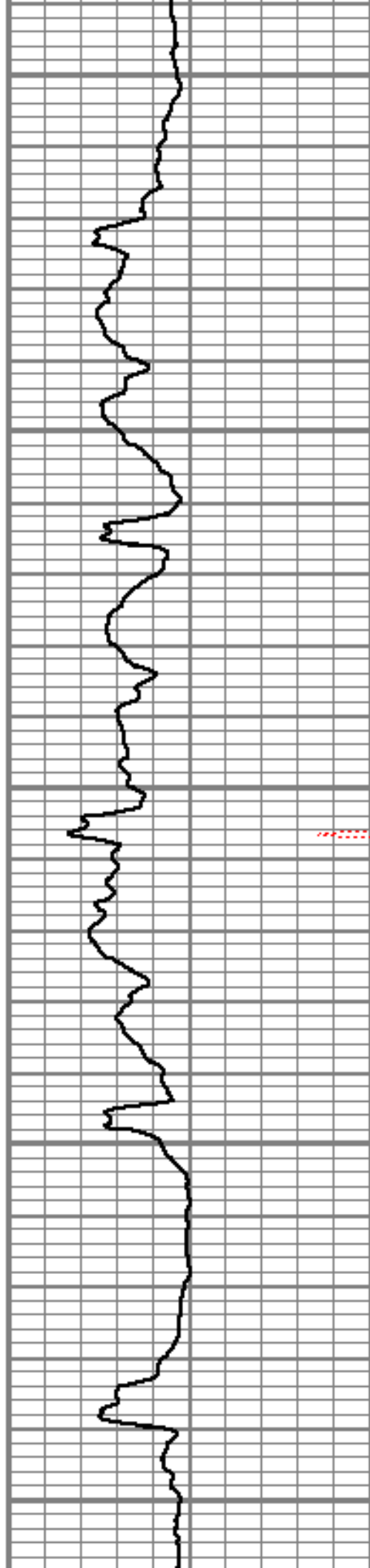
4100

4150

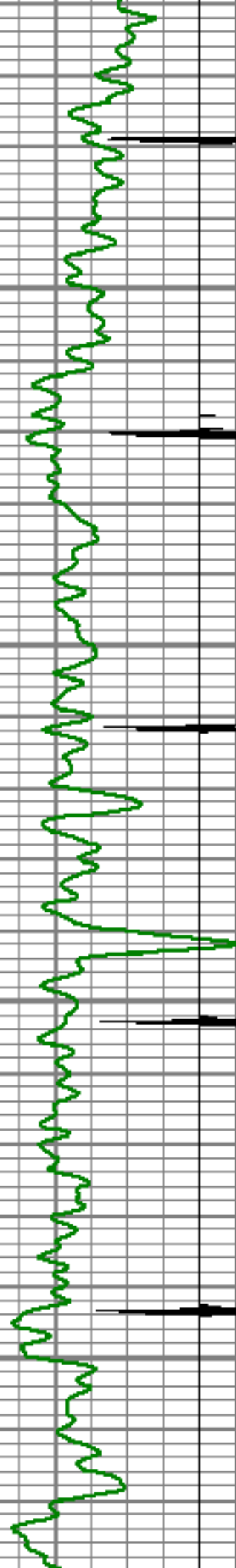
4200

4250

4300



4200

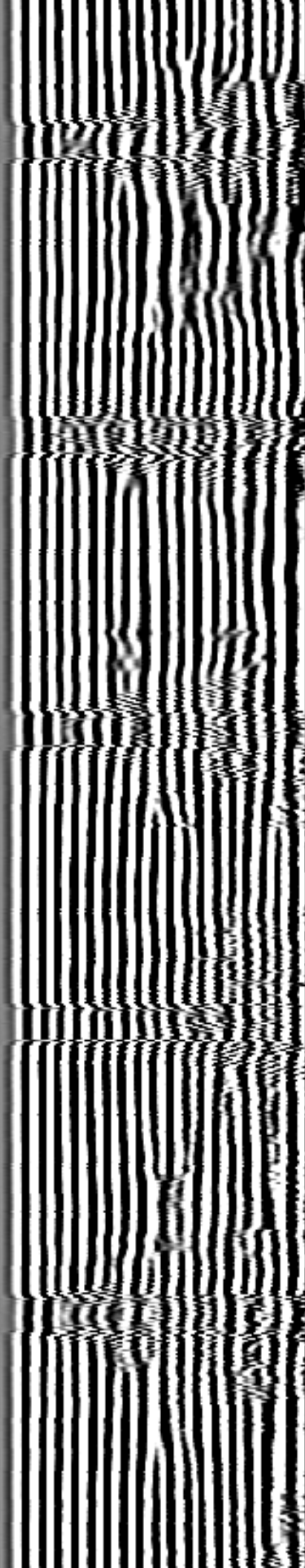
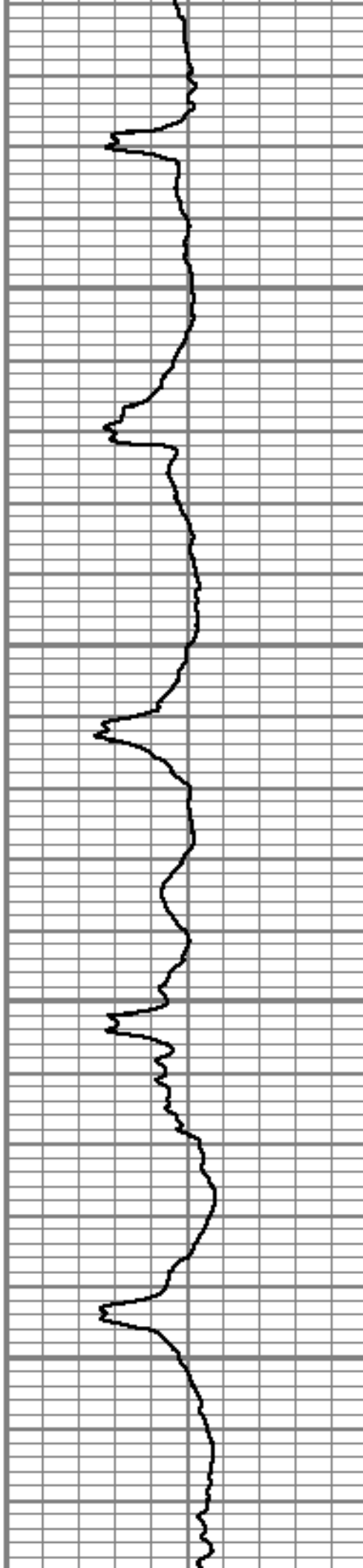


4350

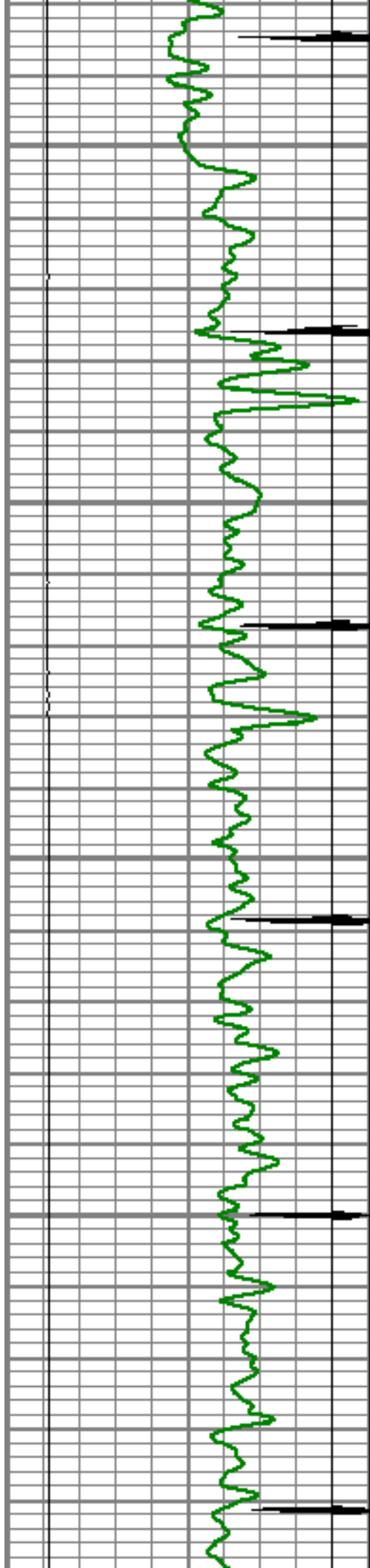
4400

4450

4500







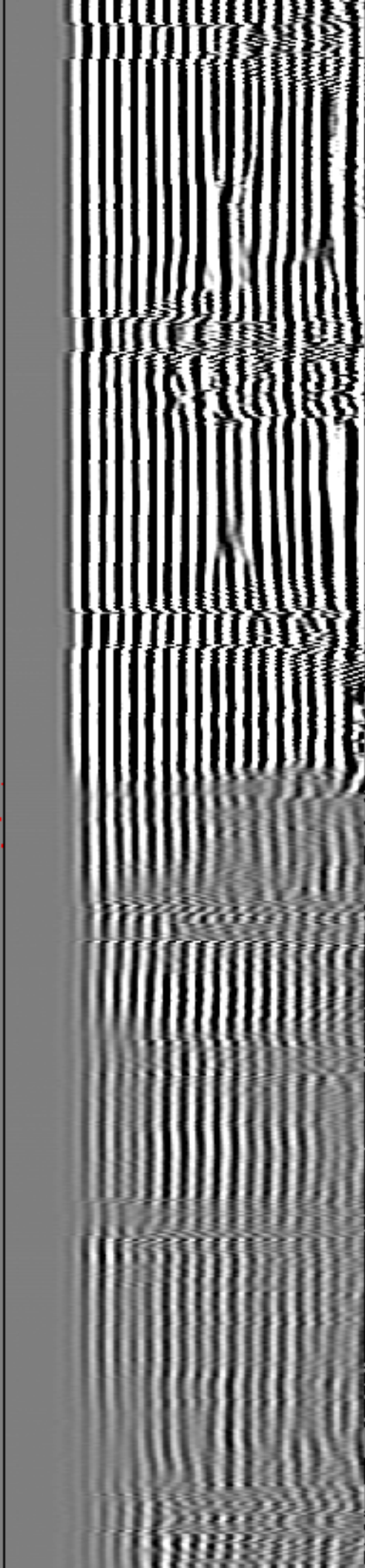
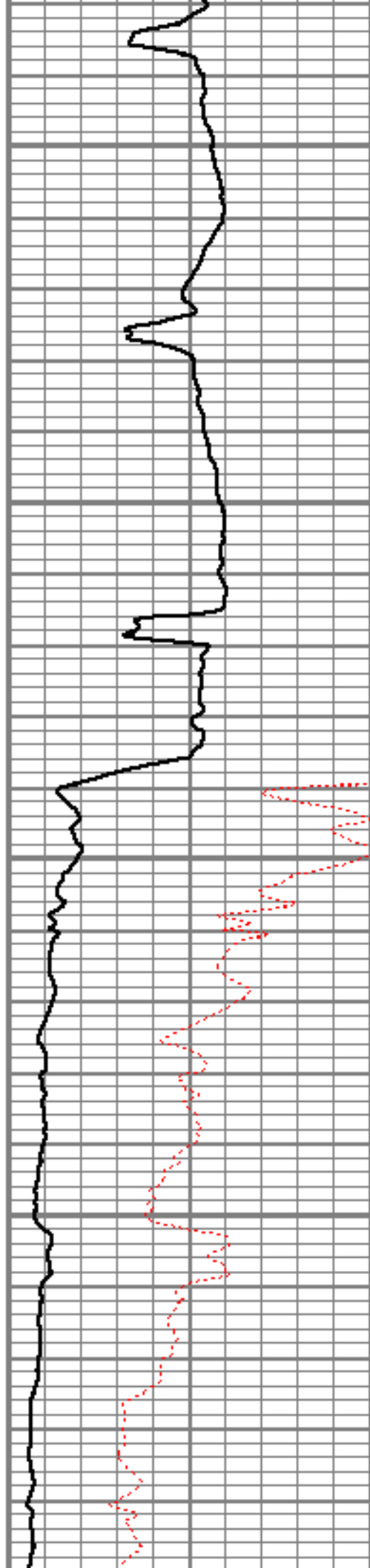
4550

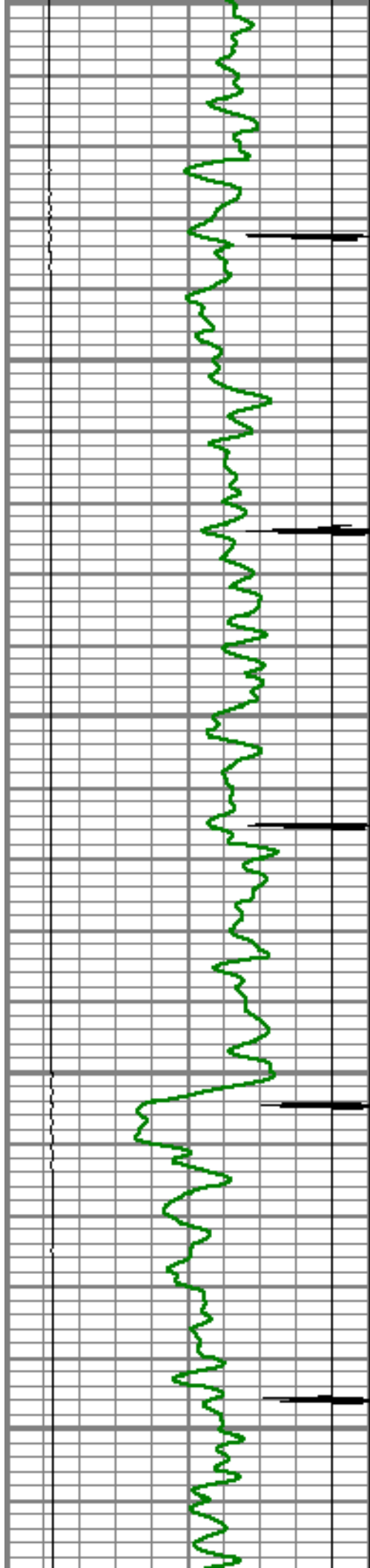
4600

4650

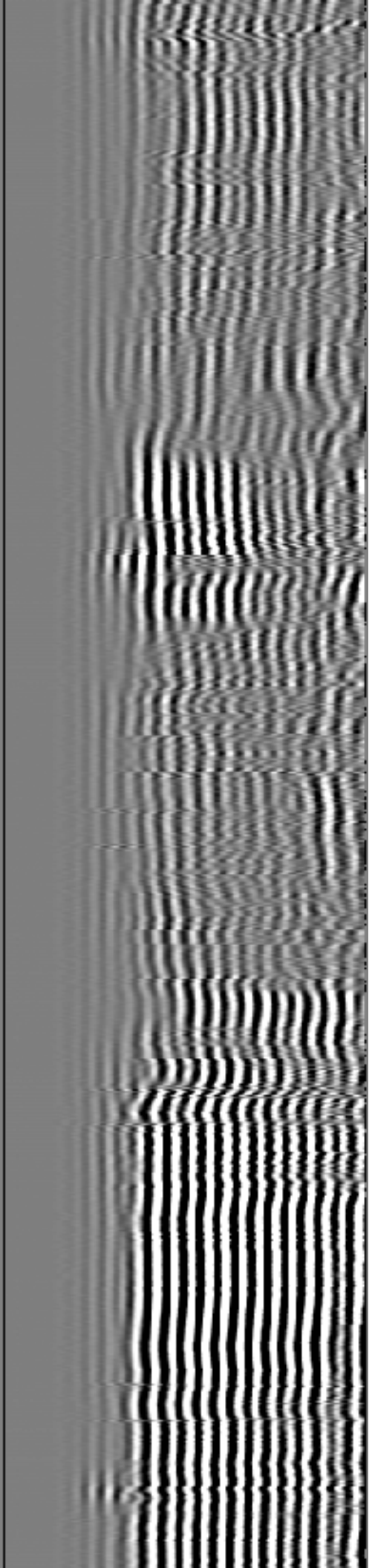
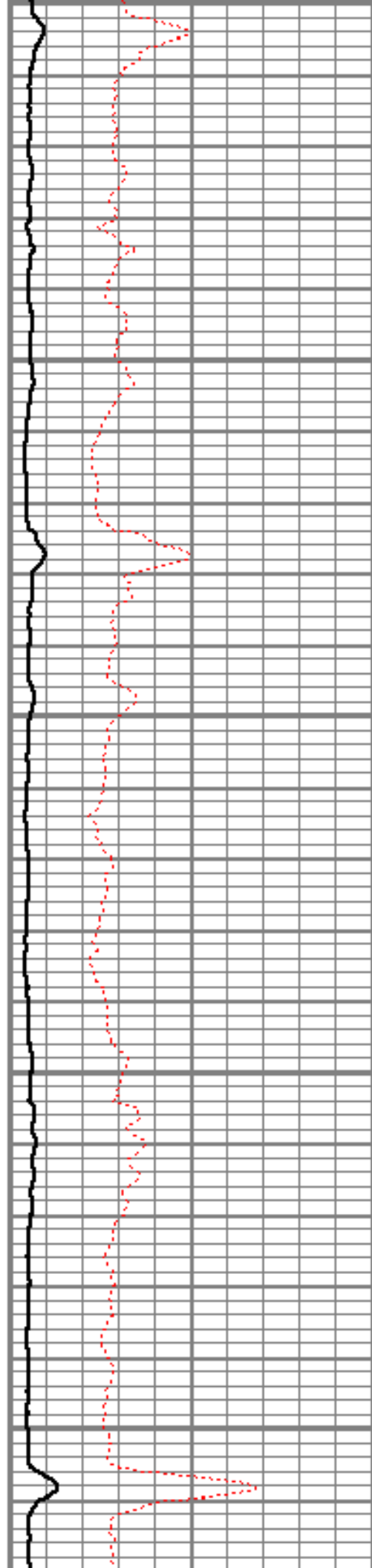
4700

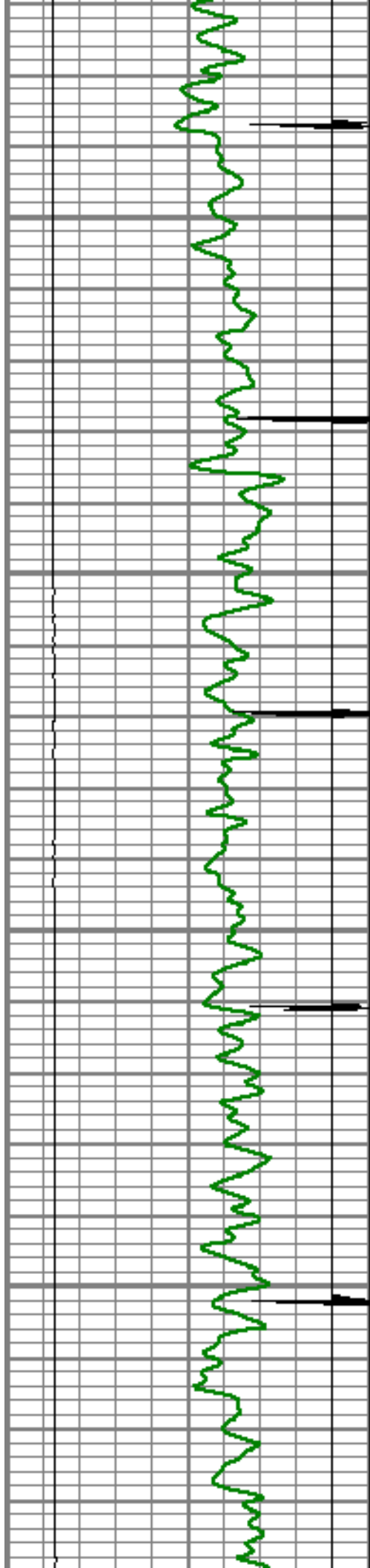
4750





4750  
4800  
4850  
4900  
4950



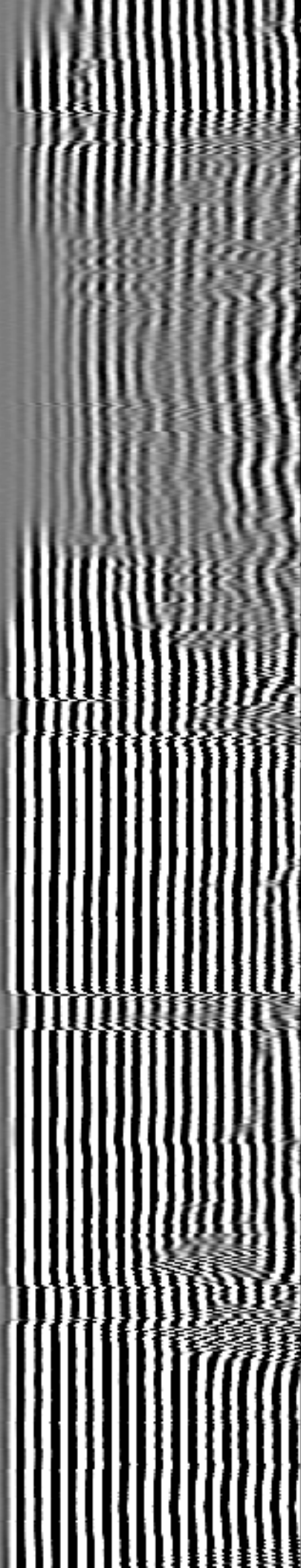
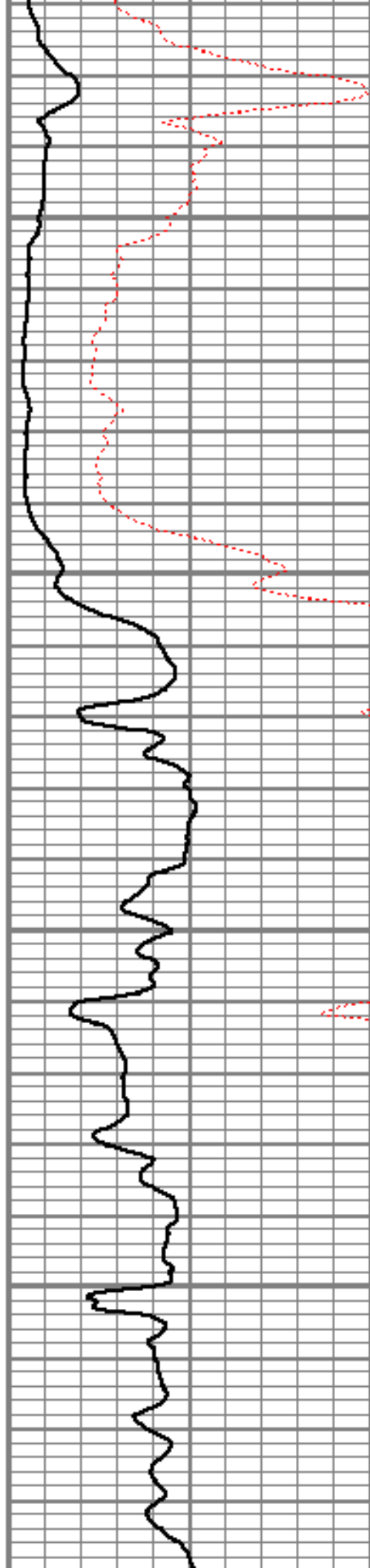


5000

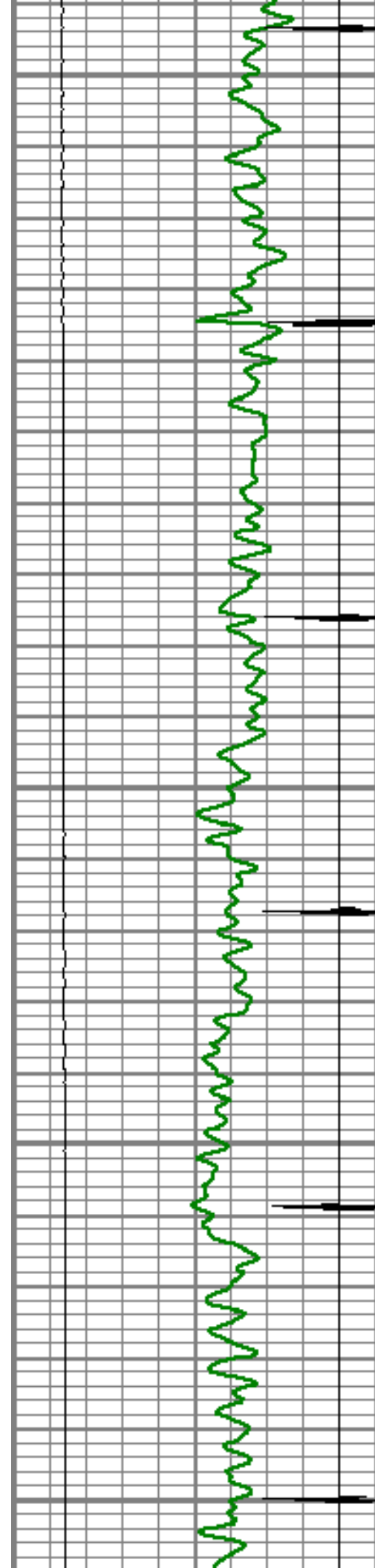
5050

5100

5150







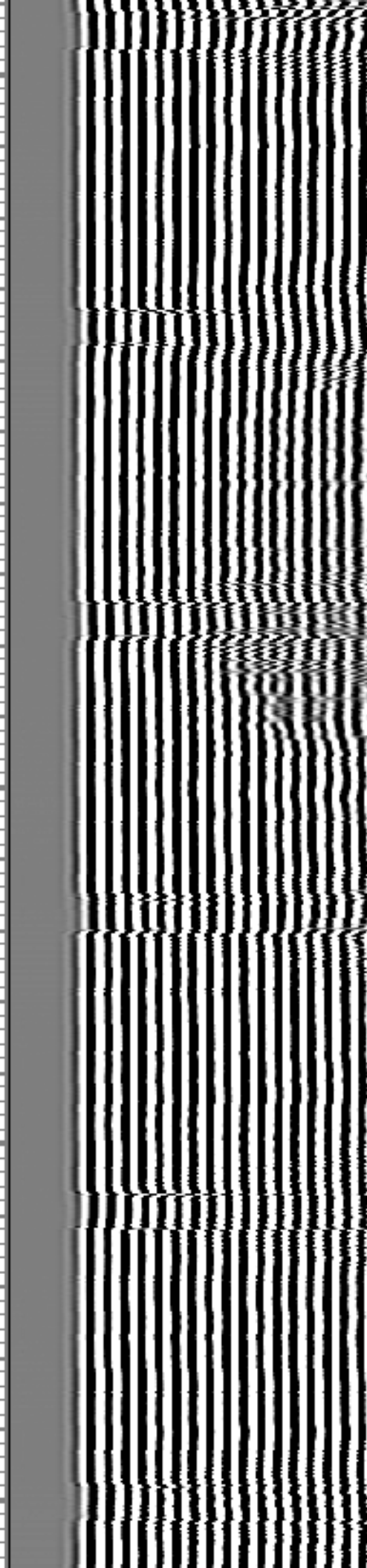
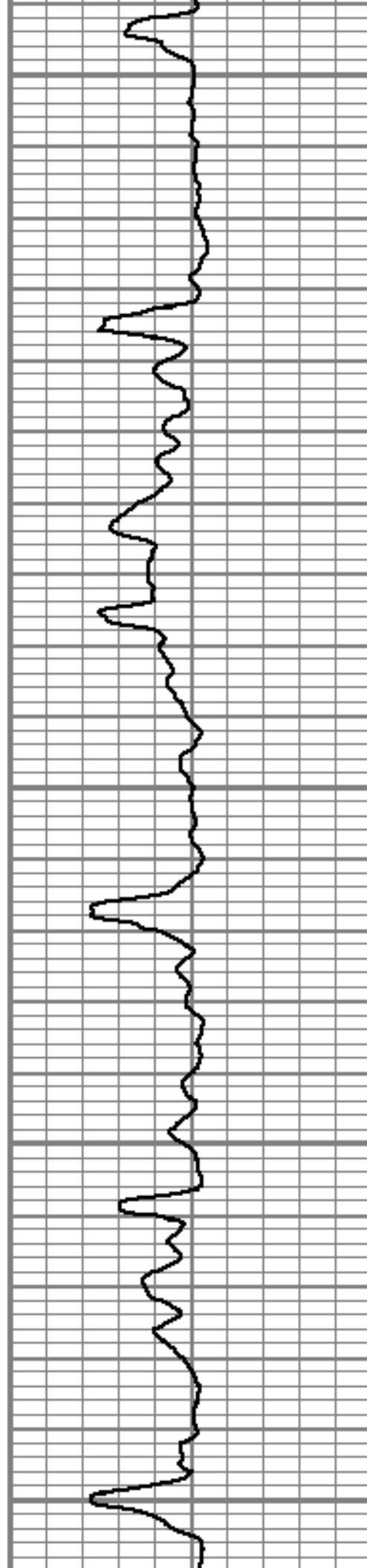
5200

5250

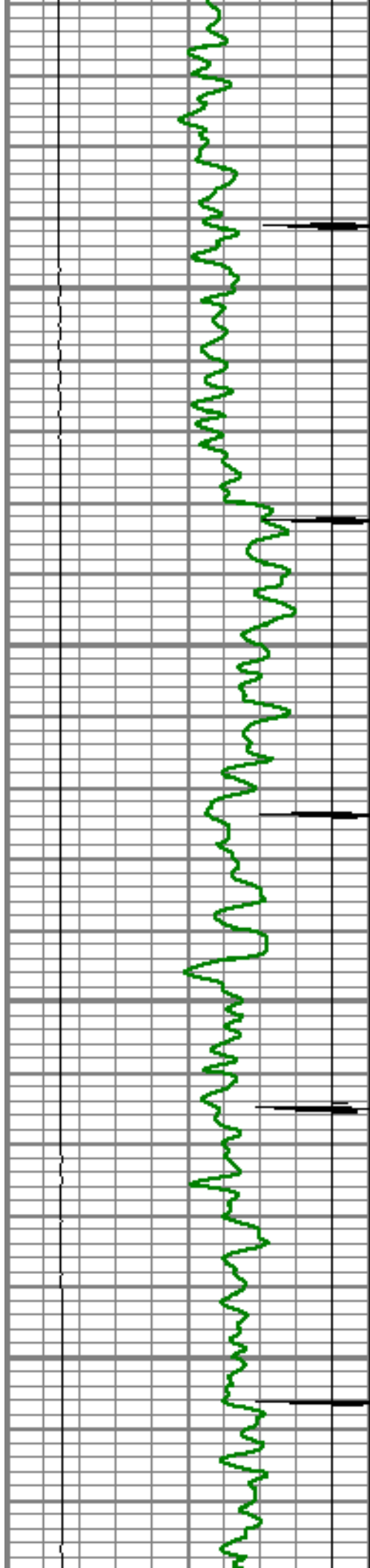
5300

5350

5400





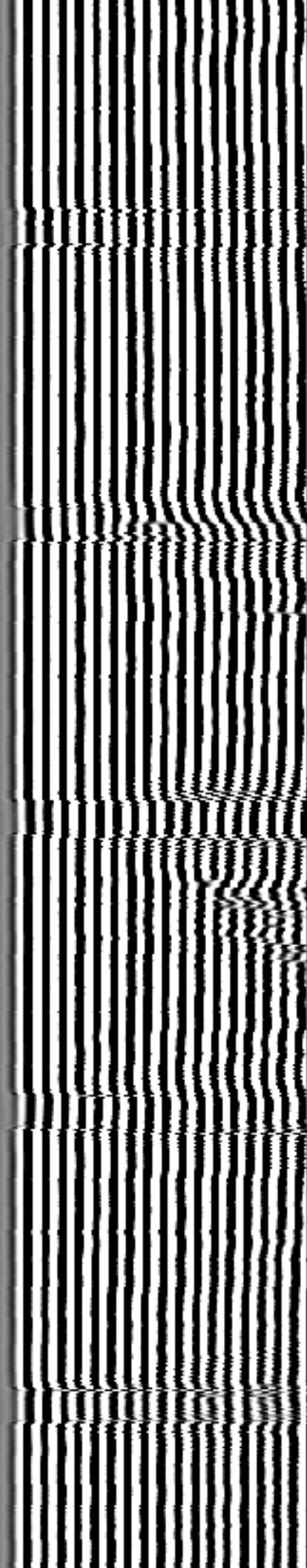
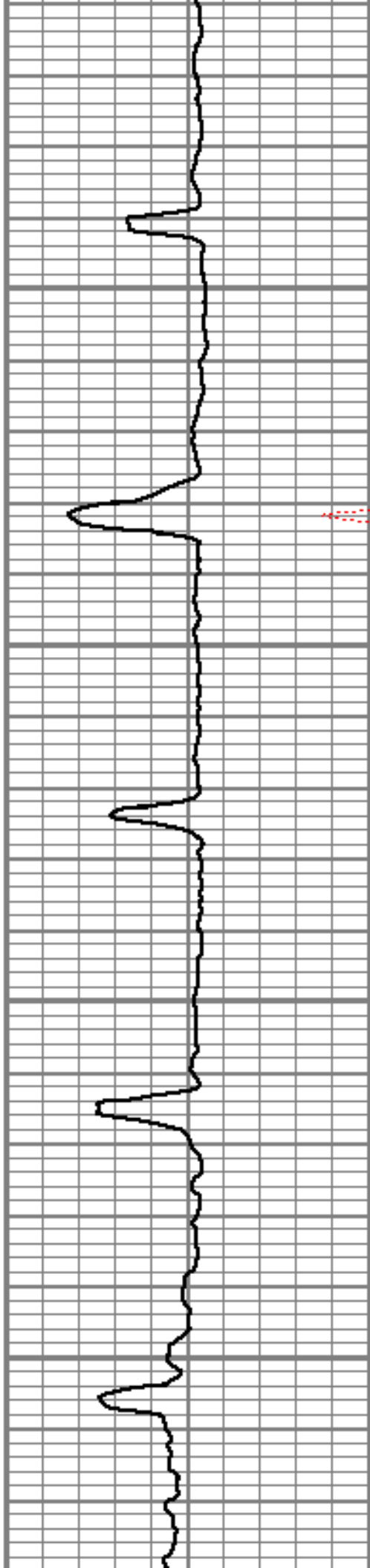


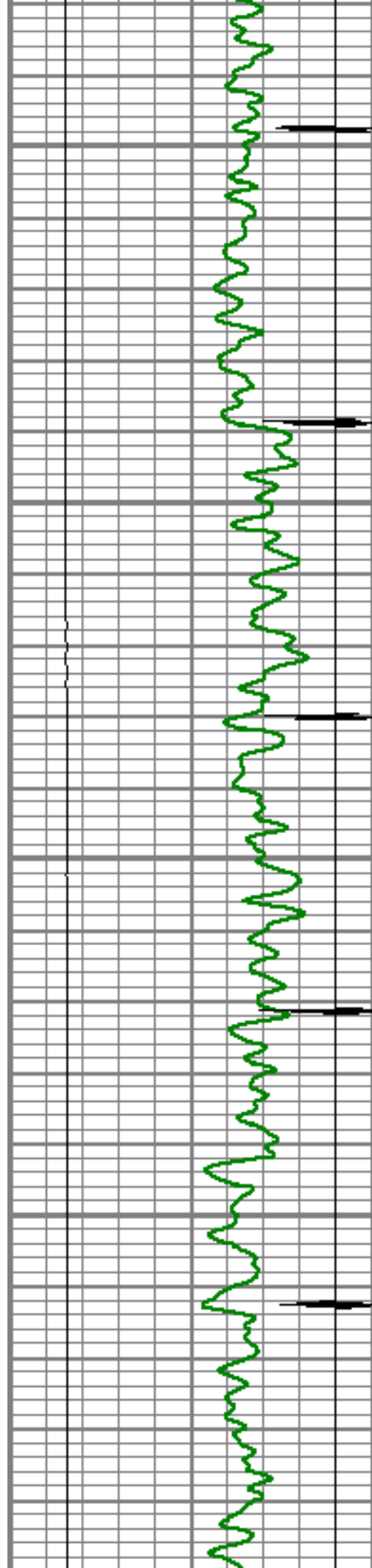
5450

5500

5550

5600





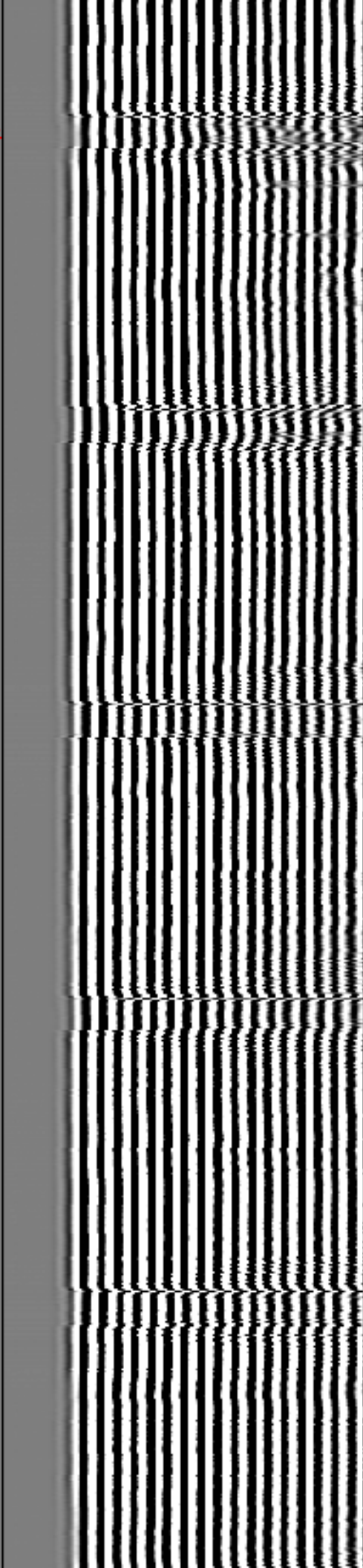
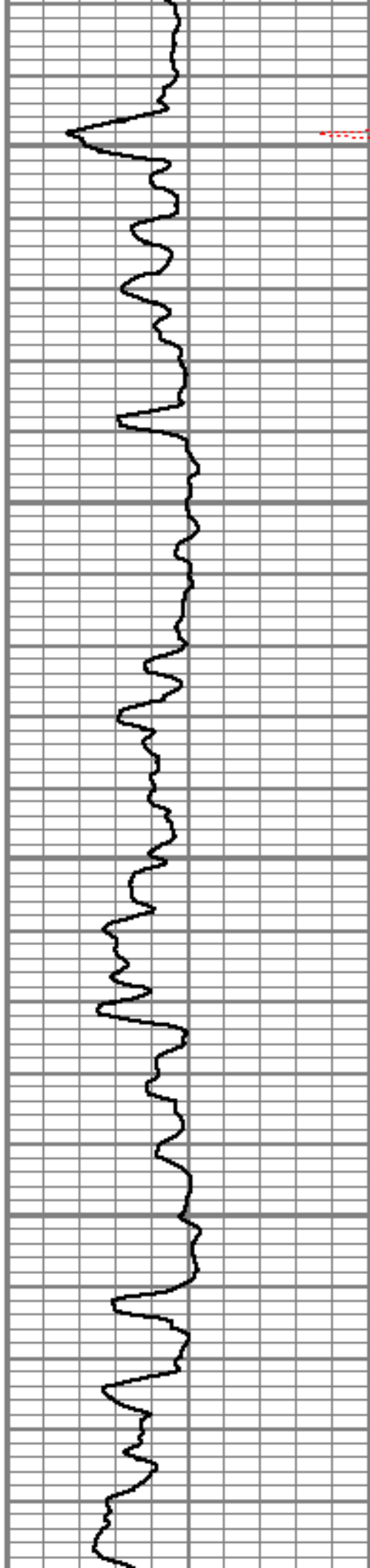
5650

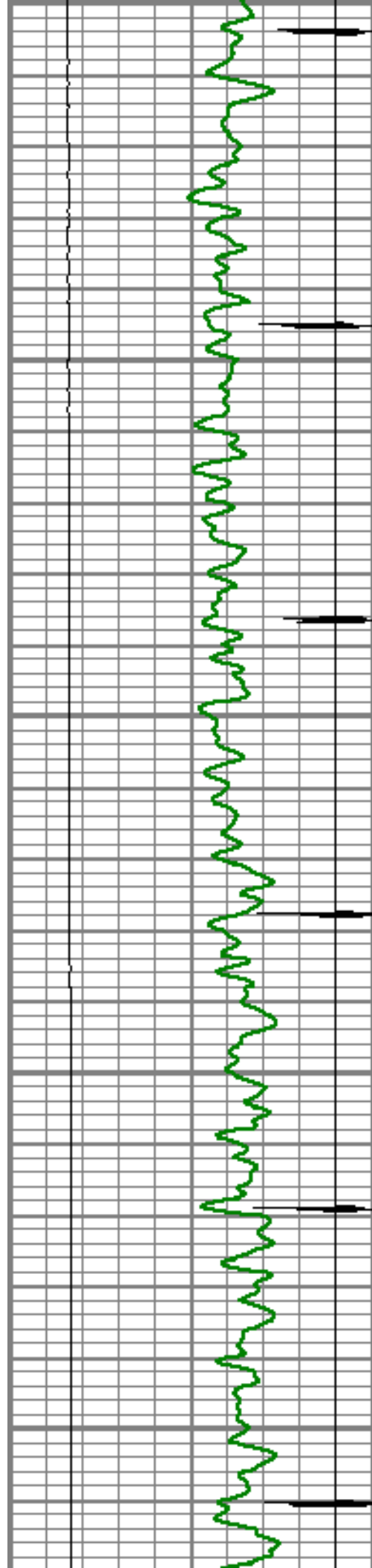
5700

5750

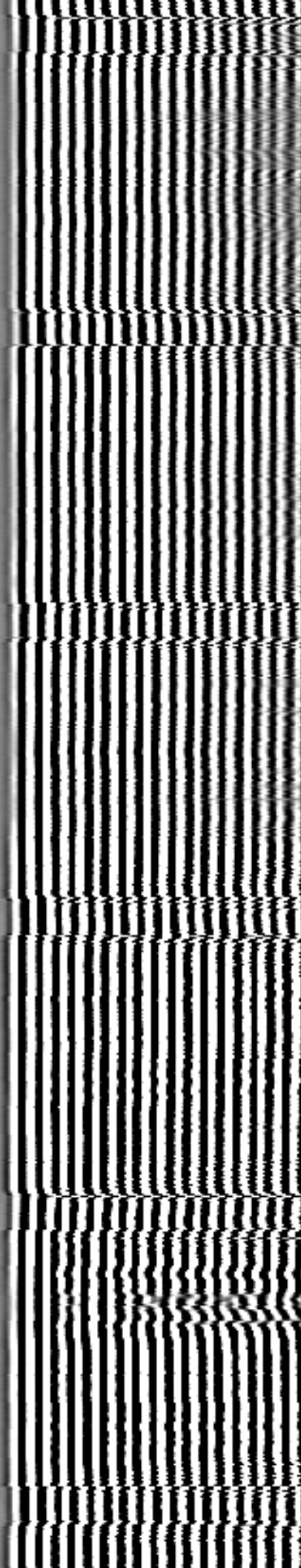
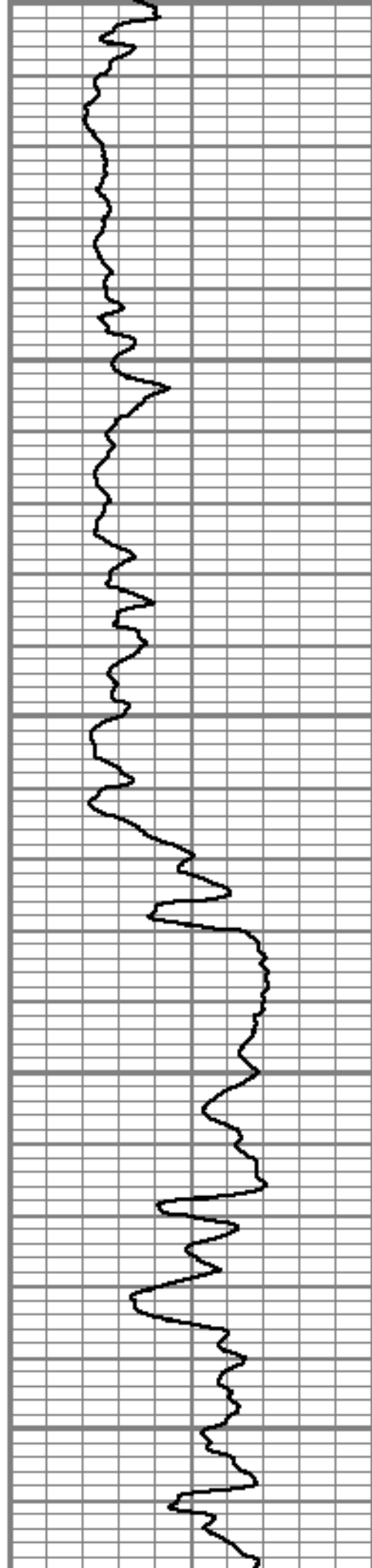
5800

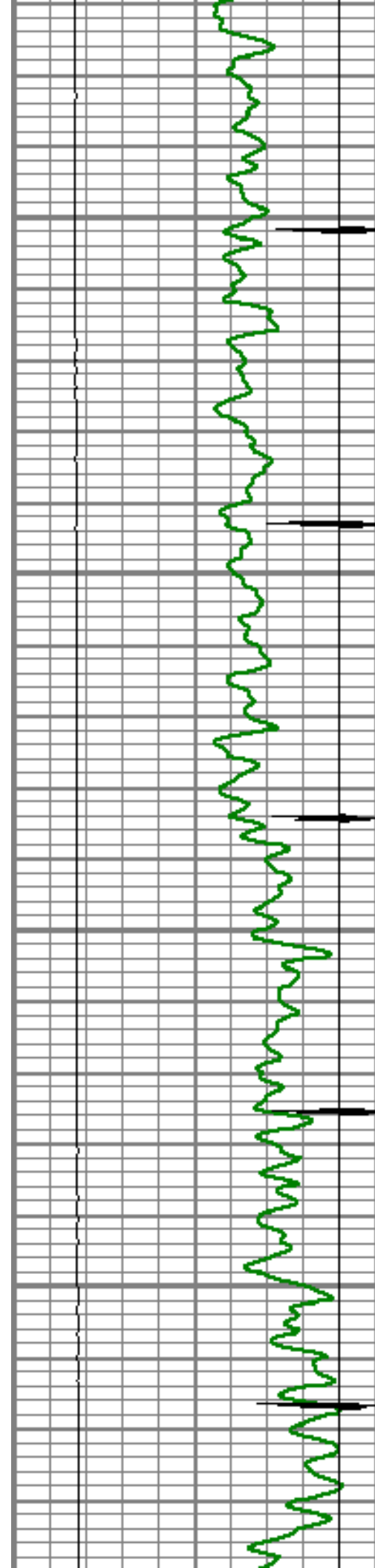
5850





5850  
5900  
5950  
6000  
6050



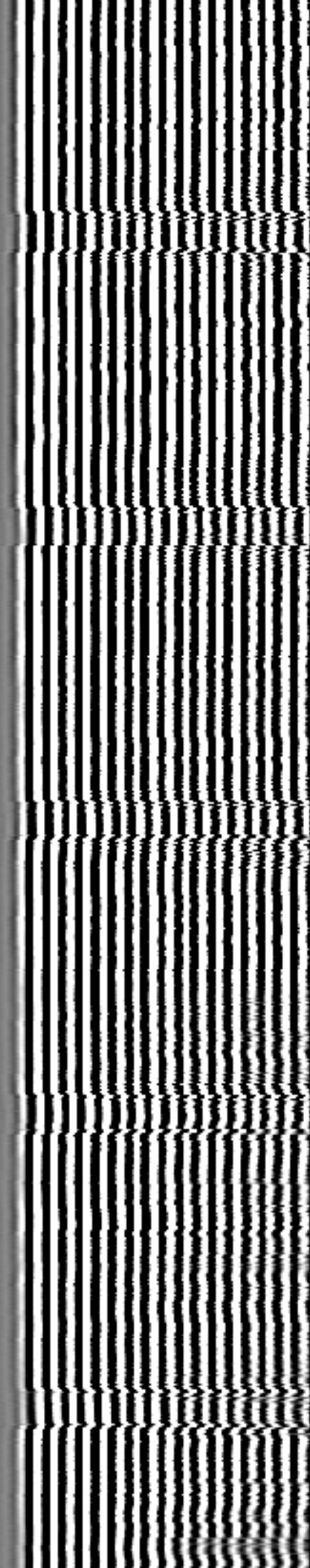


6100

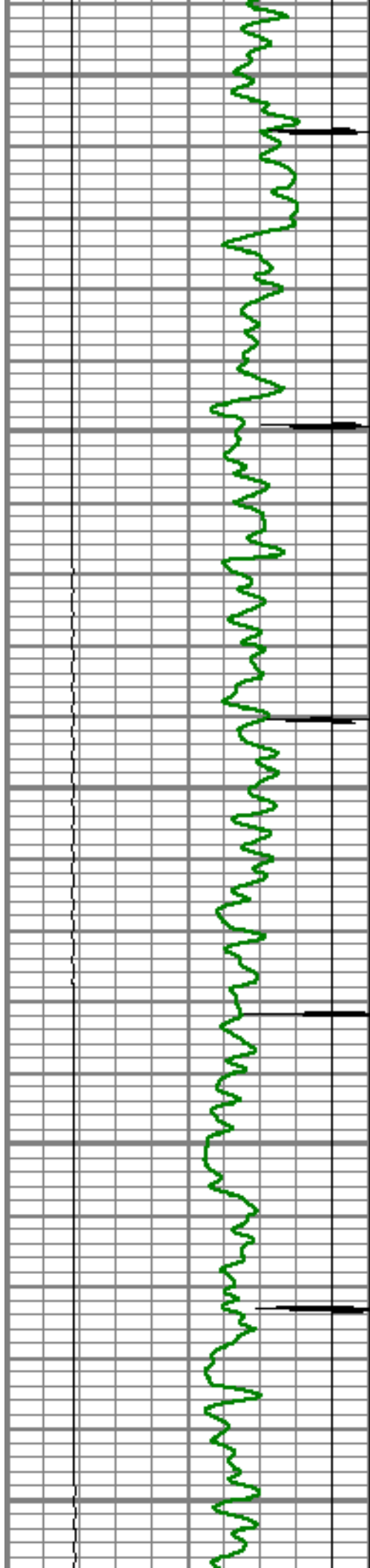
6150

6200

6250







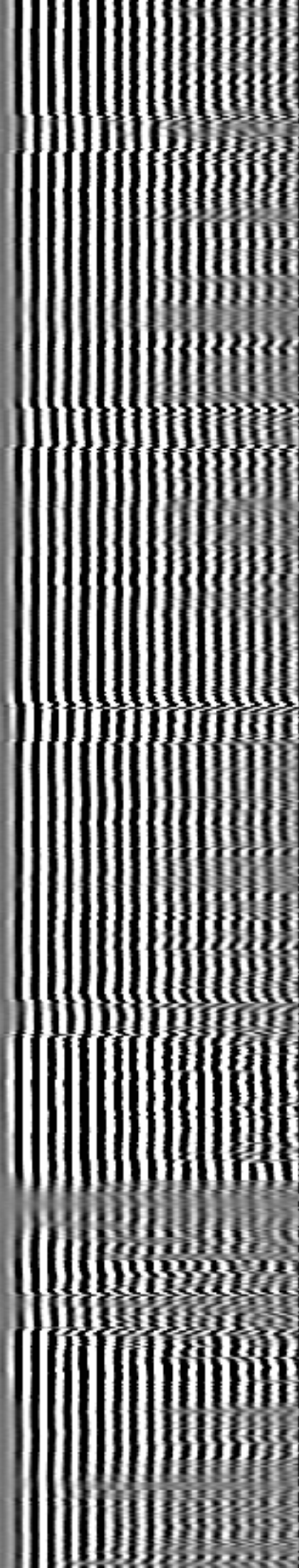
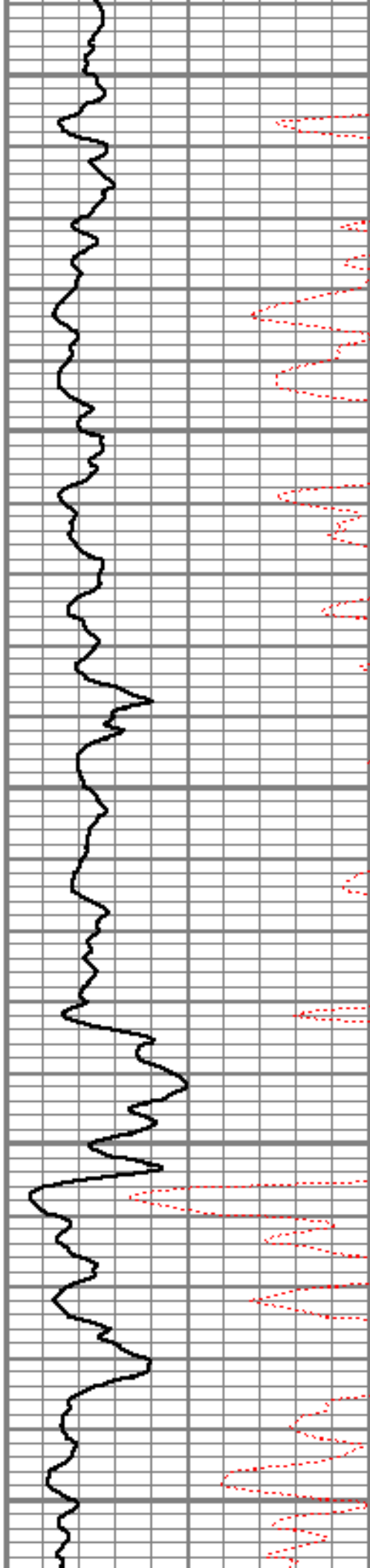
6300

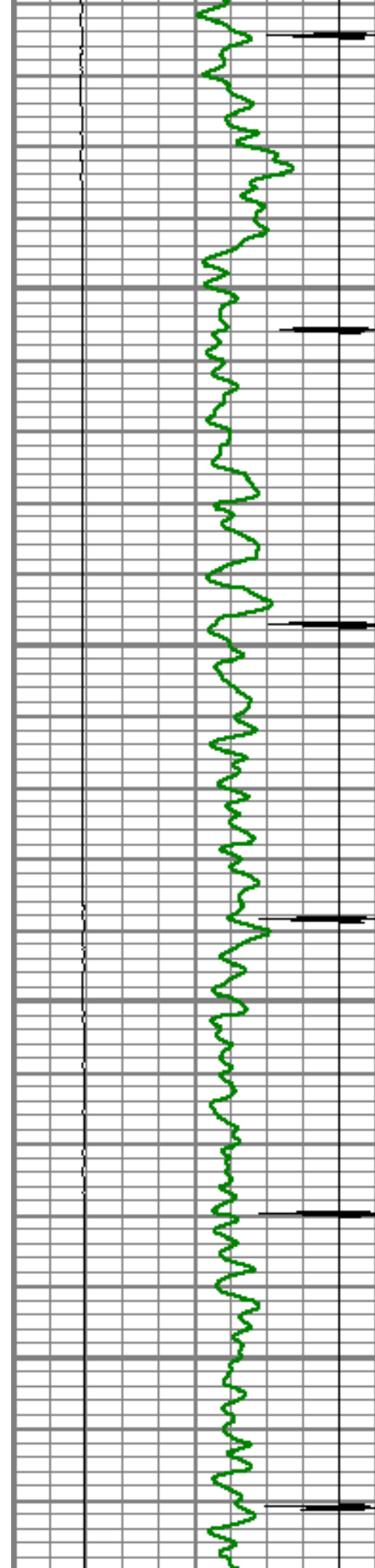
6350

6400

6450

6500



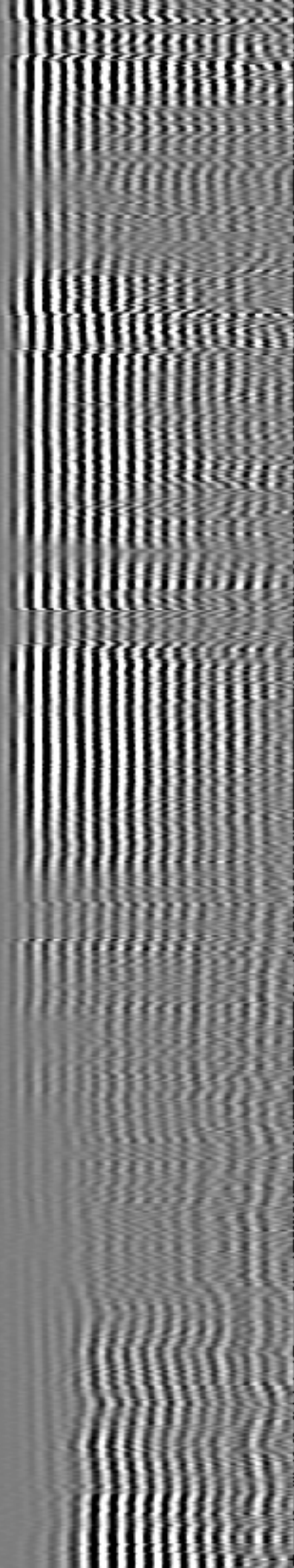
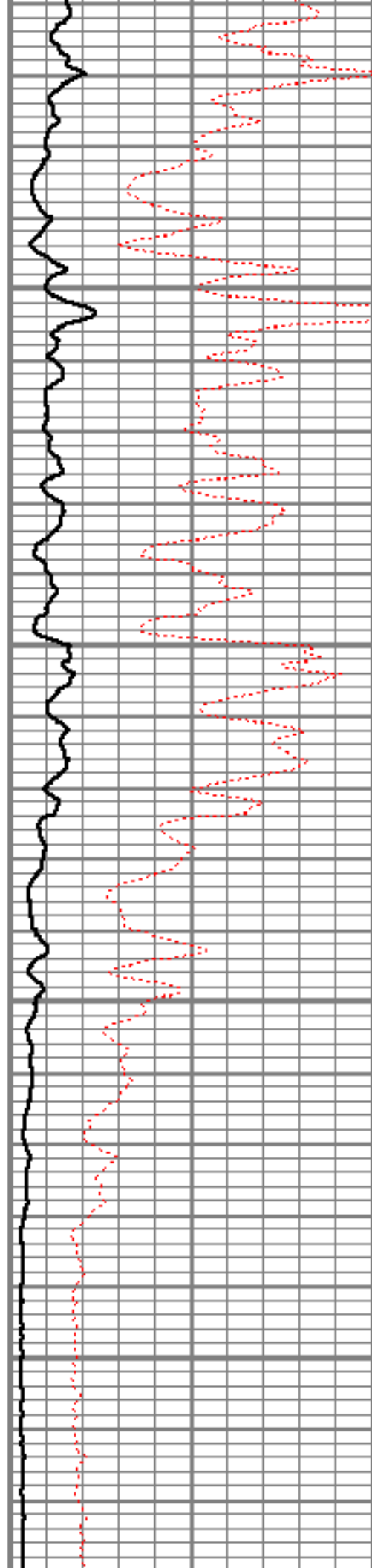


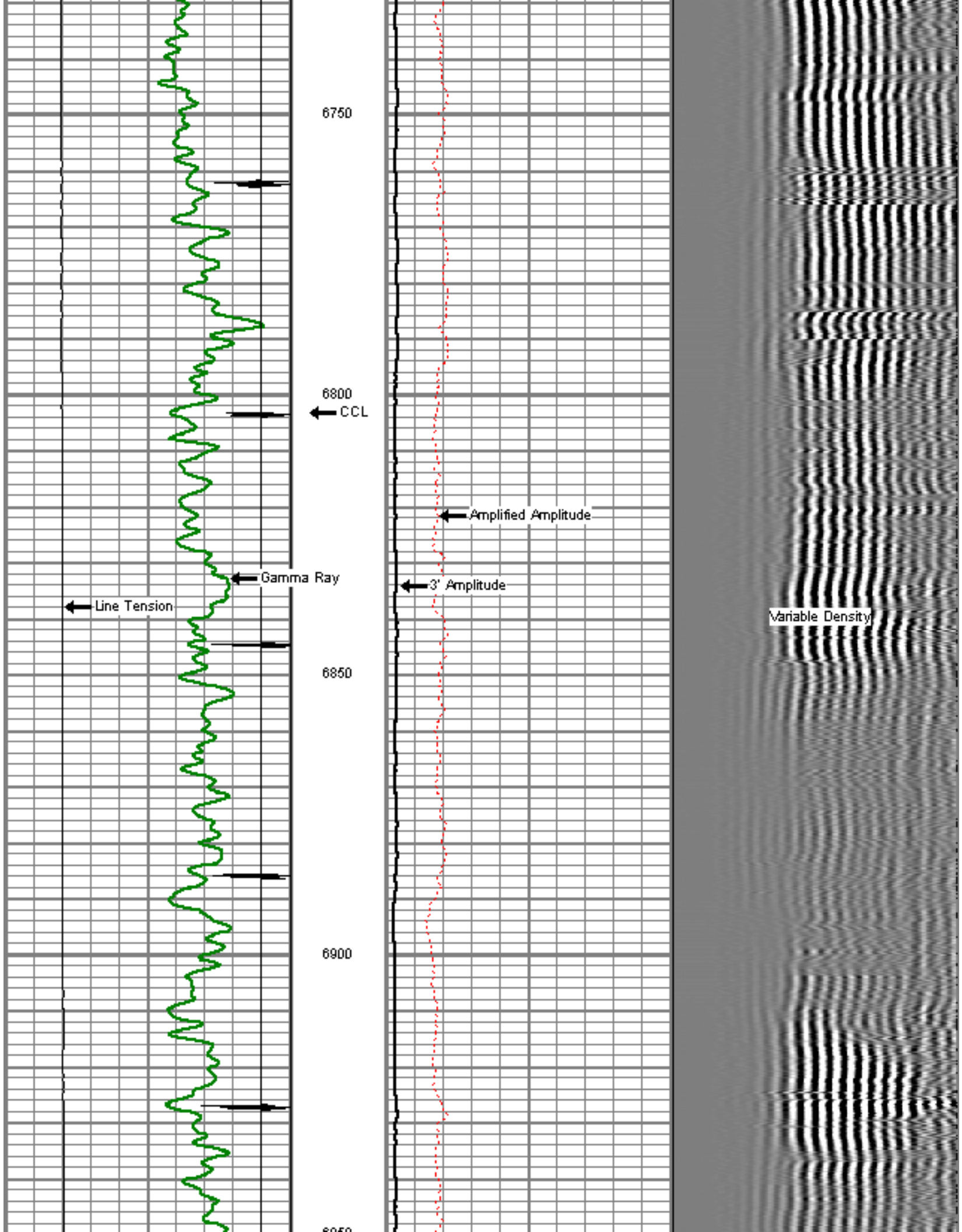
6550

6600

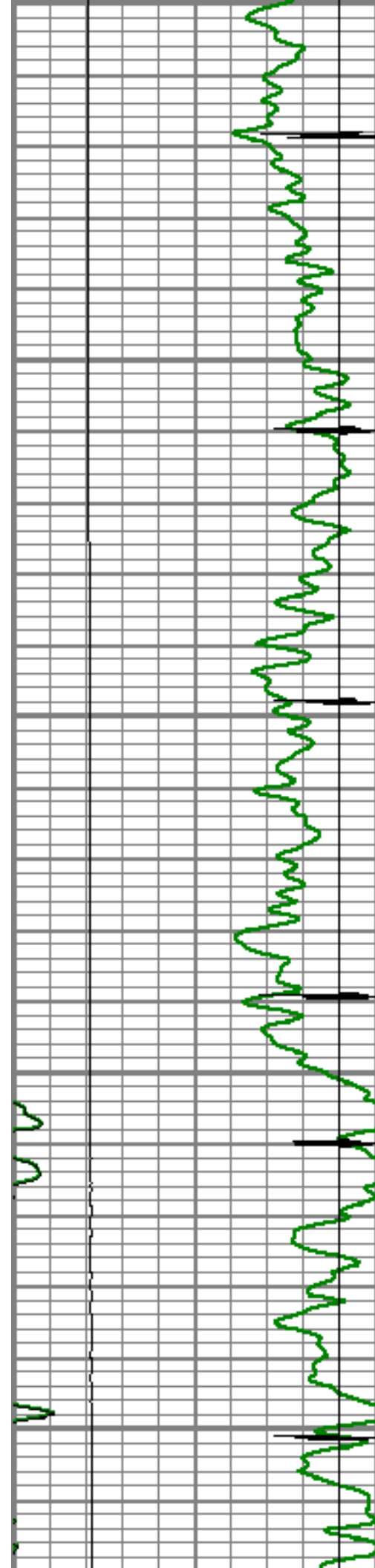
6650

6700

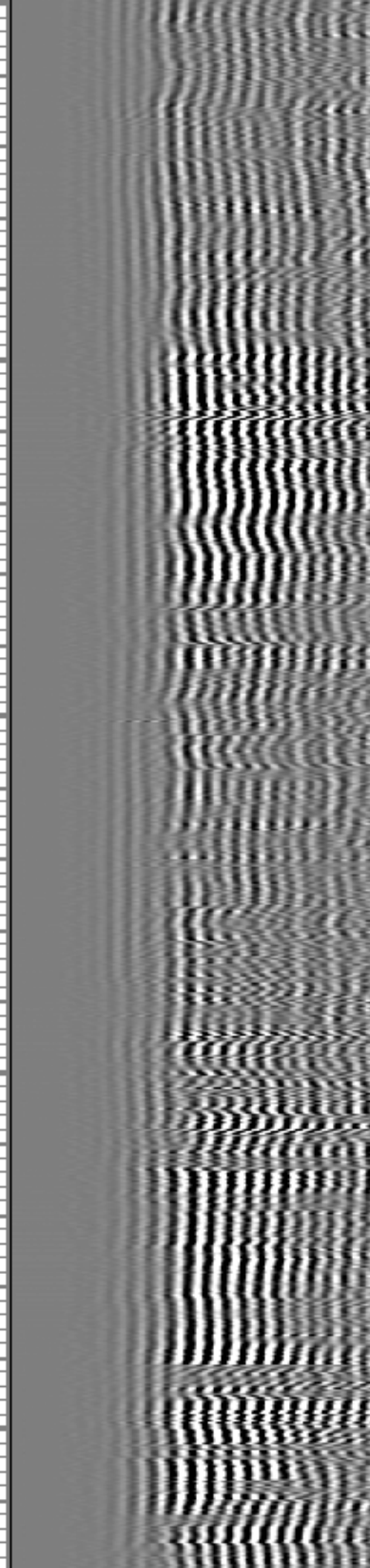
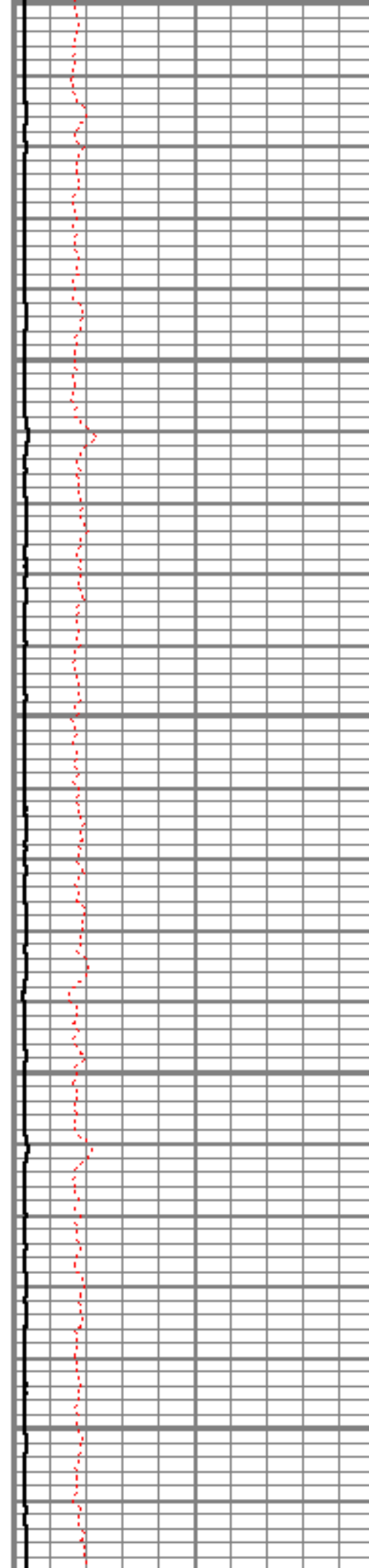




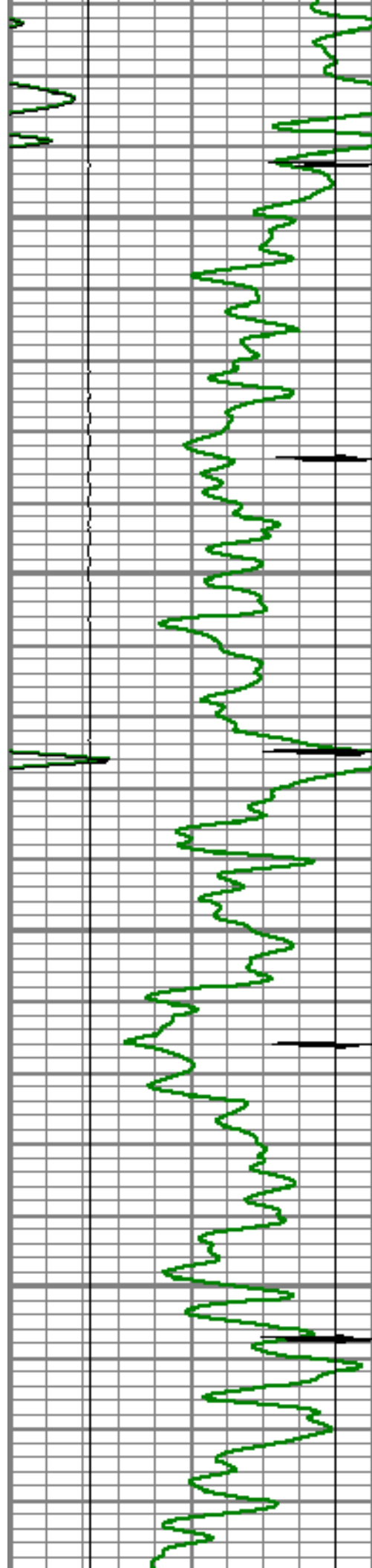




0950  
7000  
7050  
Short Joint  
7100  
7150





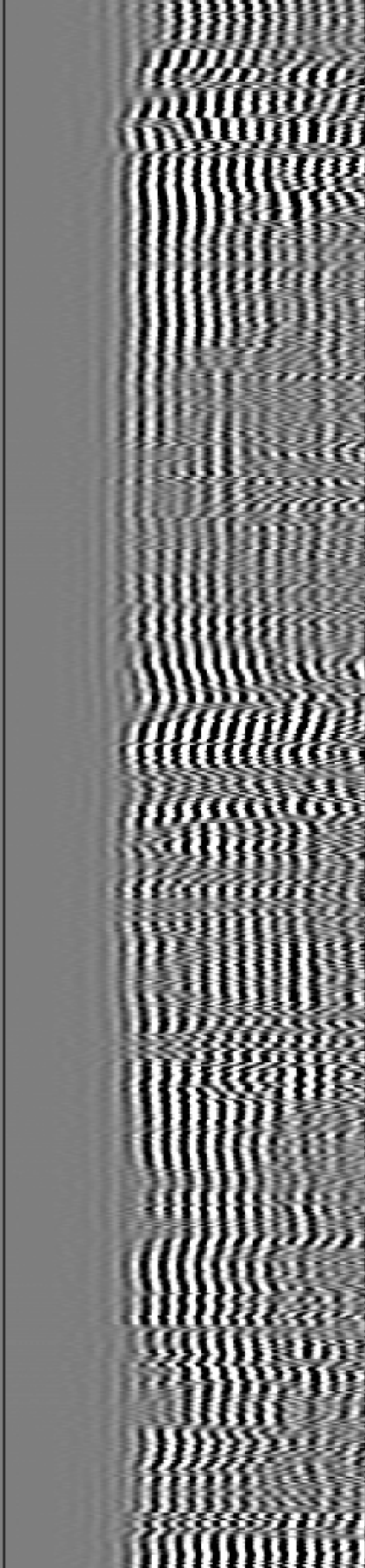
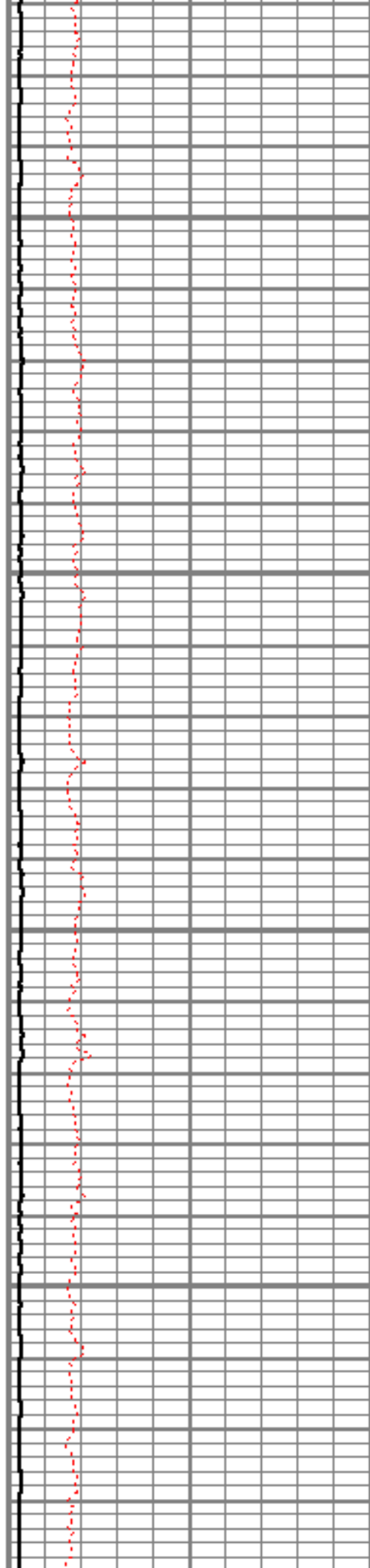


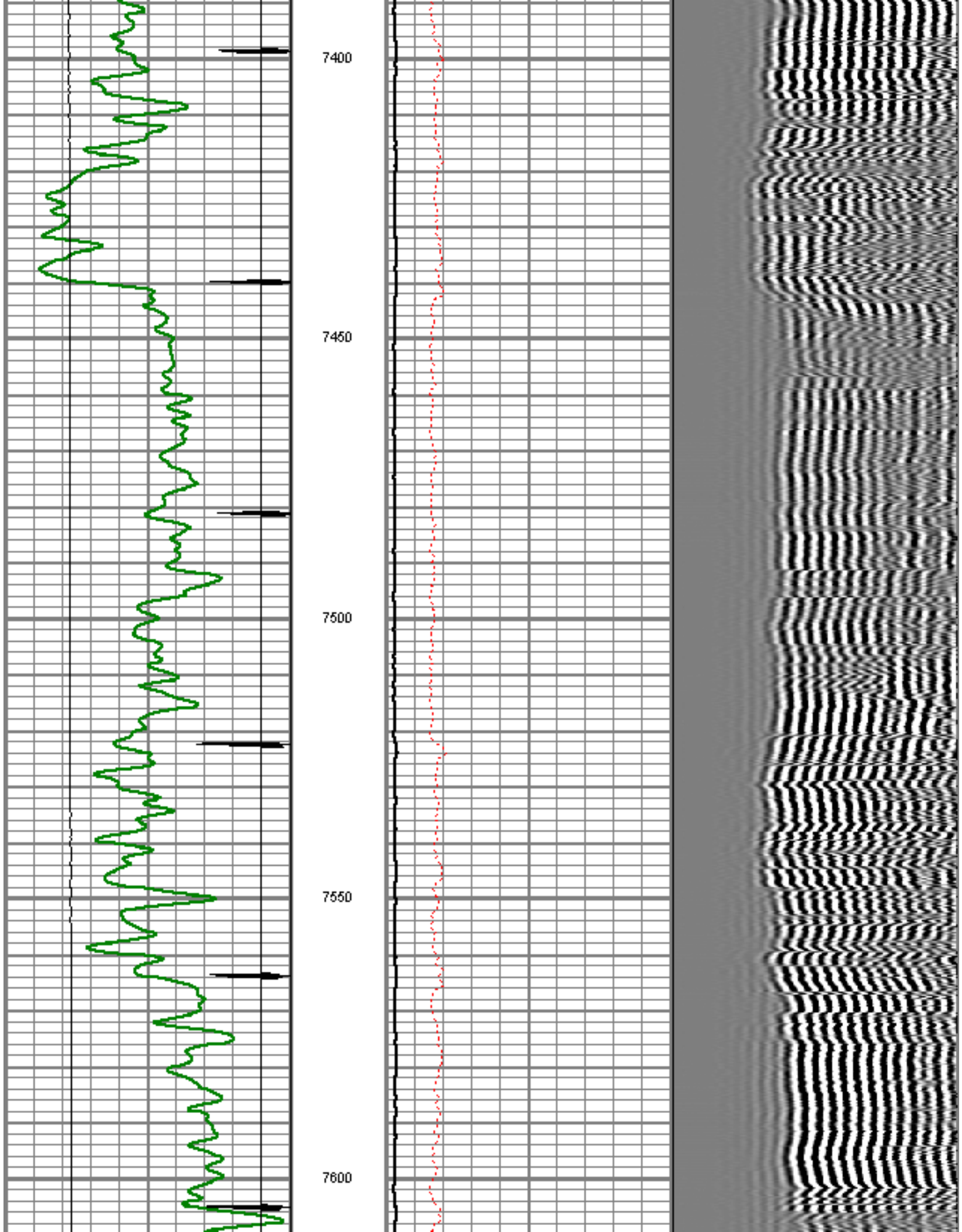
7200

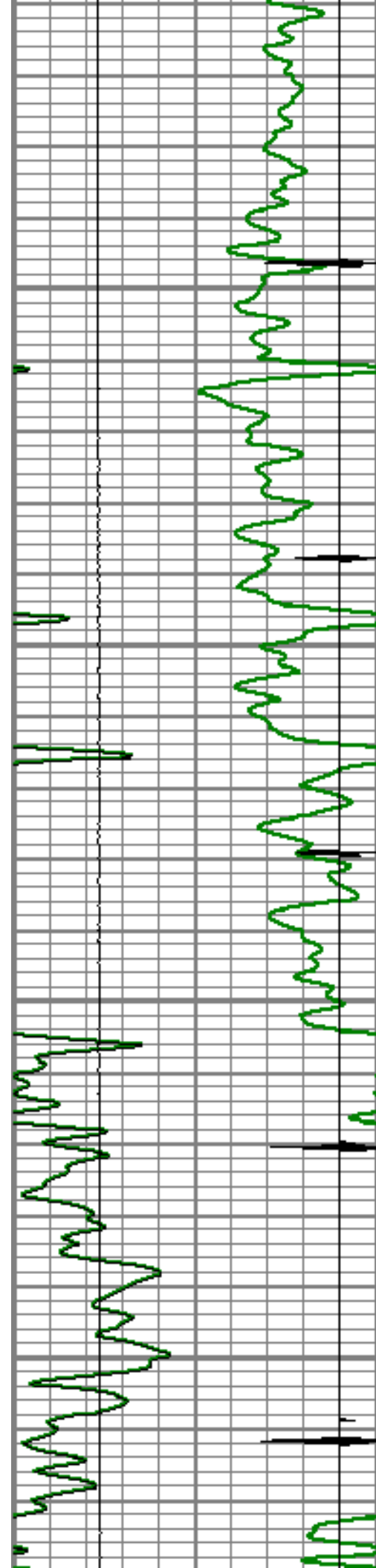
7250

7300

7350





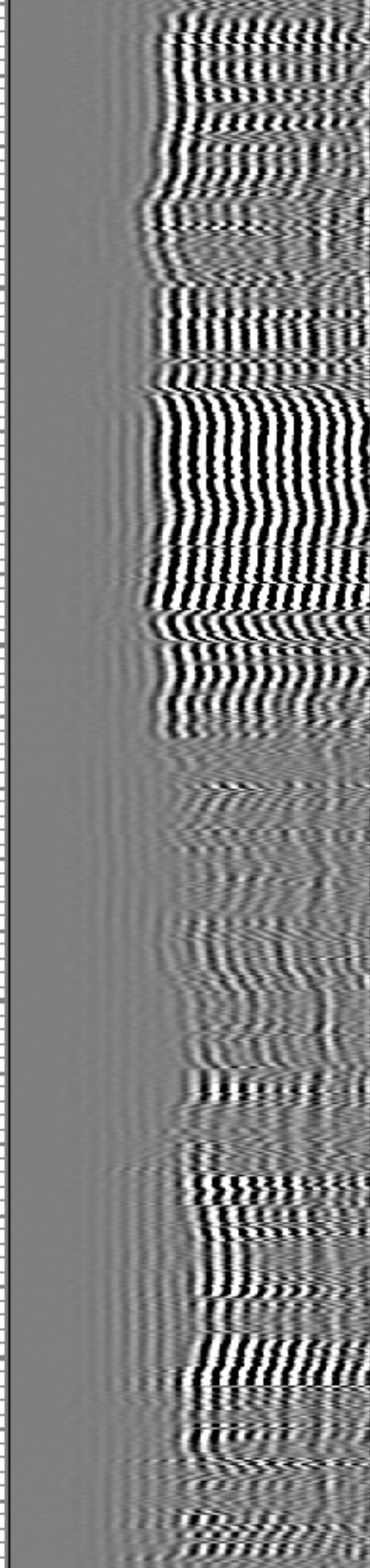
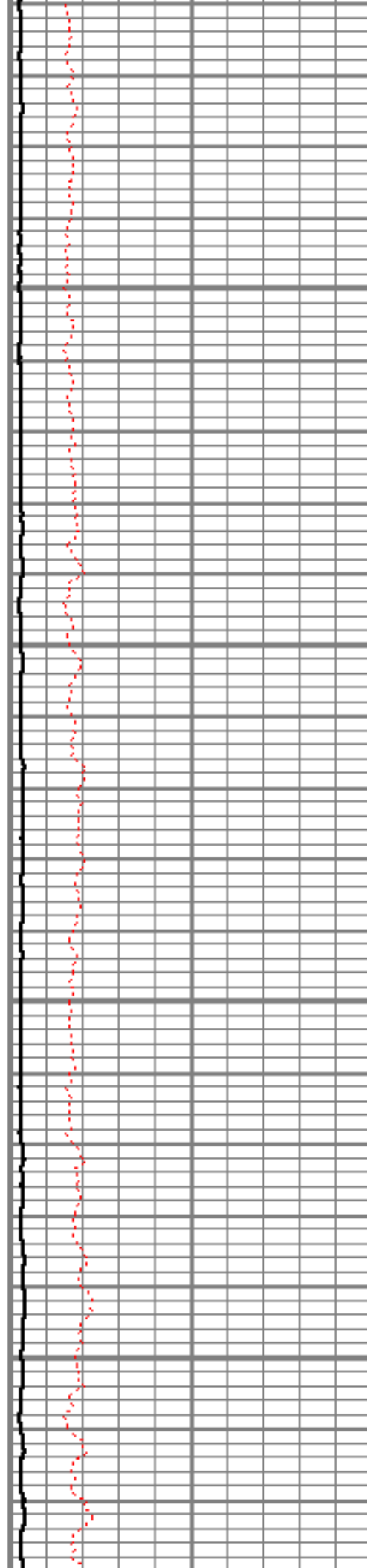


7650

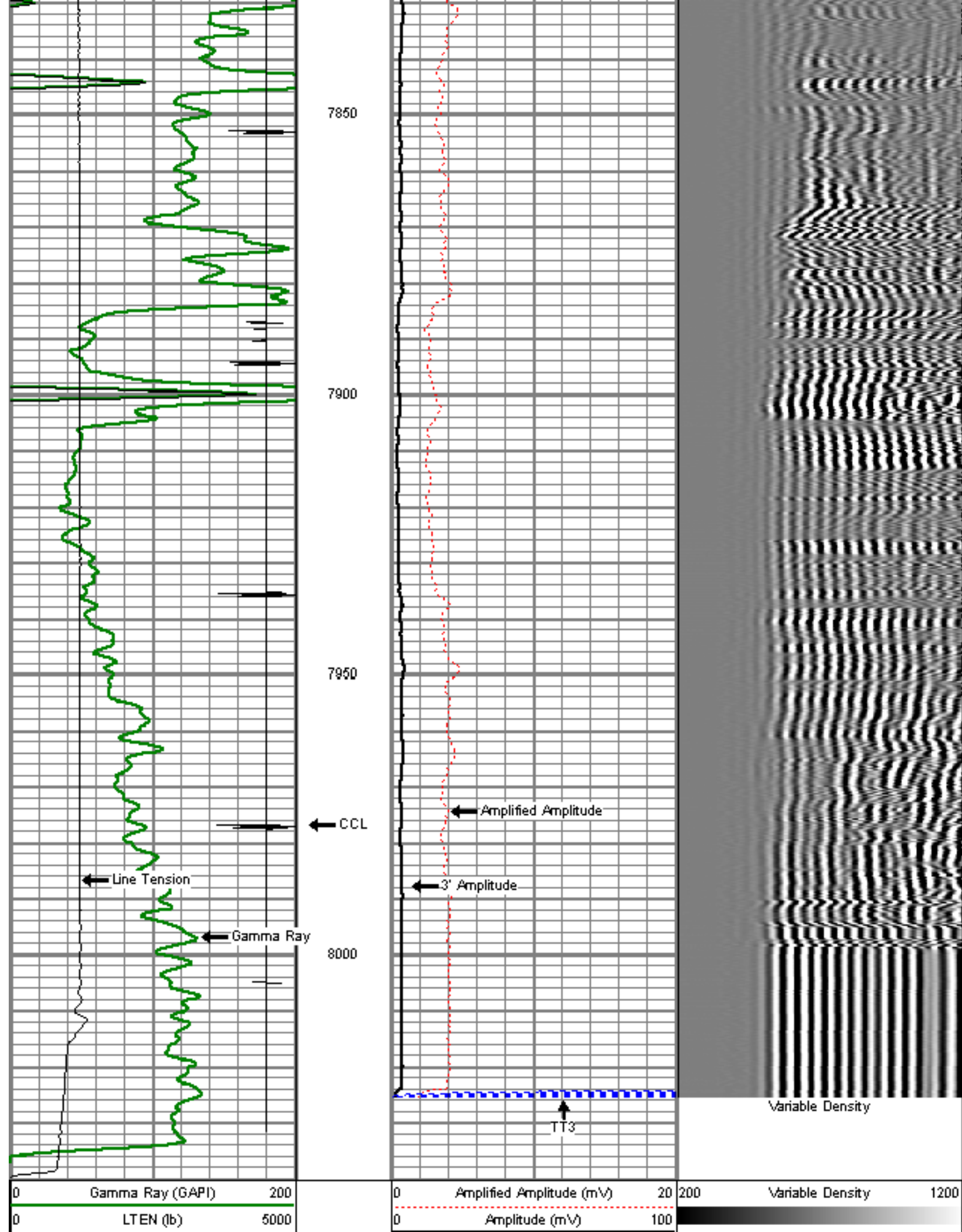
7700

7750

7800










9	CCL	-1	0	TT3 (usec)	280

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
WVF3	14.54		titan Titan Cable Head Go Plug	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
			CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.7711) Probe 2.75" Dial Receiver Board	28.7711	2.75	60.00
			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer	2.88	2.75	10.00
			GR-PROBE_GRCLL (PRB_GRCLL_275_01) Probe 2.75" 4 Channel Probe	4.54	2.75	30.00
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_01) Positive pulse Temp tool	12.88	1.38	15.00

Dataset:	echeverria 4-2-2.db: field/well/run1/pass5.1
Total Length:	22.96 ft
Total Weight:	126.50 lb
O.D.	2.75 in



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