



CEMENT BOND
VARIABLE DENSITY LOG
W/ GAMMA RAY/ CCL

Company	Bonanza Creek Energy	Company	Bonanza Creek Energy
Well	State Seventy Holes T-P-6HNB	Well	State Seventy Holes T-P-6HNB
Field	Wattenberg	Field	Wattenberg
County	Weld	County	Weld
State	Colorado	State	Colorado
Location:		API # : 05-123-37405	
430' FSL & 1133' FEL		Other Services	
SEC 6 TWP 54N RGE 62 W			
Permanent Datum	Ground Level	Elevation	4530'
Log Measured From	Kelly Bushing	12.5' APD	
Drilling Measured From	Kelly Bushing		
Elevation		K.B. 4542.5'	
		D.F. 4541.5'	
		G.L. 4530'	
Date	October 5th, 2013		
Run Number	ONE		
Depth Driller	10920'		
Depth Logger	6374'		
Bottom Logged Interval	6358'		
Top Log Interval	Surface		
Open Hole Size	8.75		
Type Fluid	WATER		
Density / Viscosity	8.33		
Max. Recorded Temp.	N/A		
Estimated Cement Top	NA		
Time Well Ready	0830		
Time Logger on Bottom	0900		
Equipment Number	12029CH		
Location	BRIGHTON		
Recorded By	R.Grisson		
Witnessed By	Kurt Dodge		
Borehole Record			
Run Number	Bit	From	To
ONE	13.5"	0	464'
TWO	8.75"	464'	6670'
THREE	6.125"	6670'	10944'
Tubing Record			
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	36	0
Prot. String			
Production String	7"	26	0
Liner	4.5"	11.6	6570'

<<< 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

Main Pass and Repeat Pass logged at Zero PSI

Main Pass logged from 15' KB

Your Crew for Today: T.Canfarelli, M.Bingham

Thank You for using Allied Wireline

303.659.4609



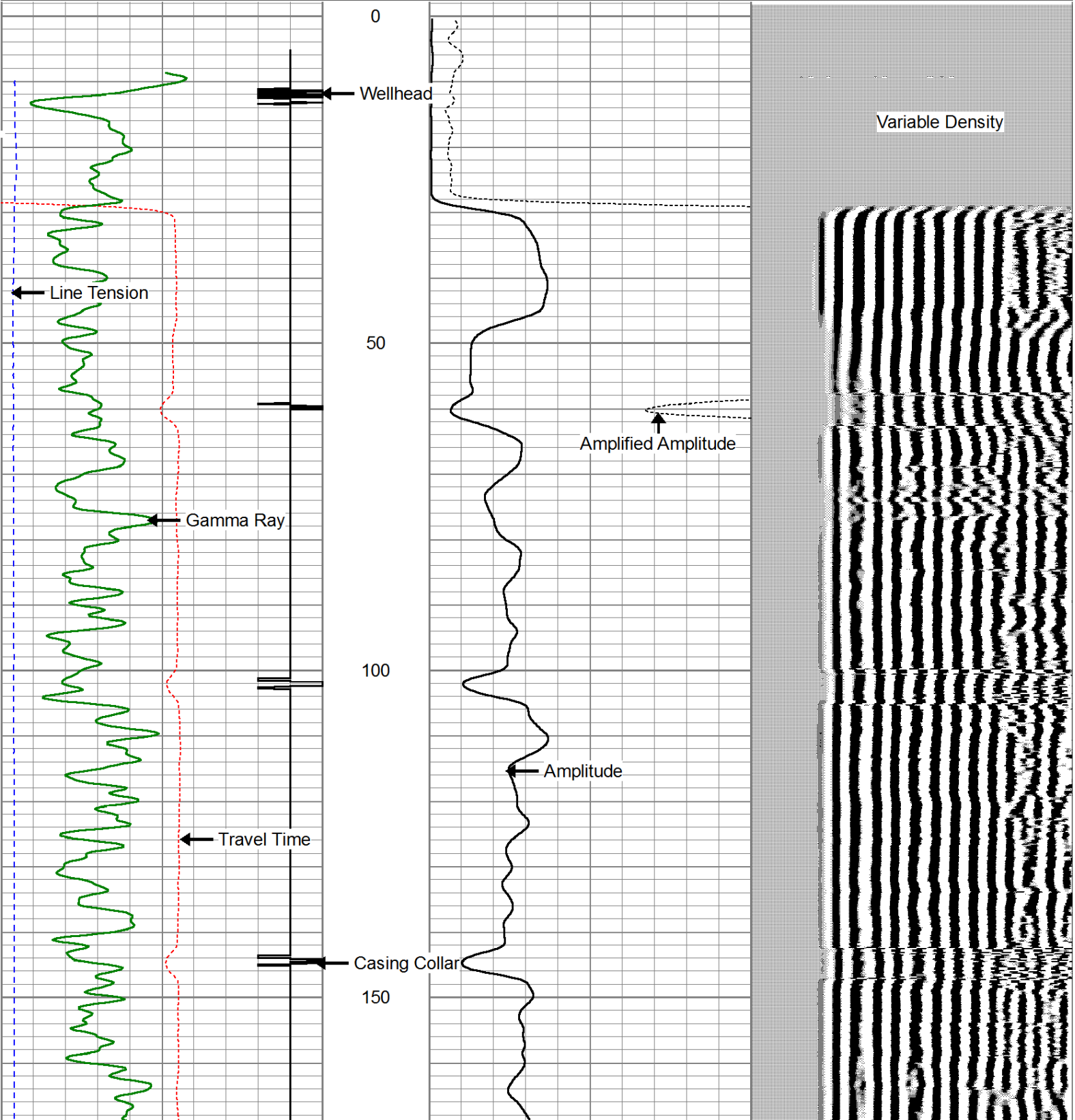
Main Pass (0 PSI)

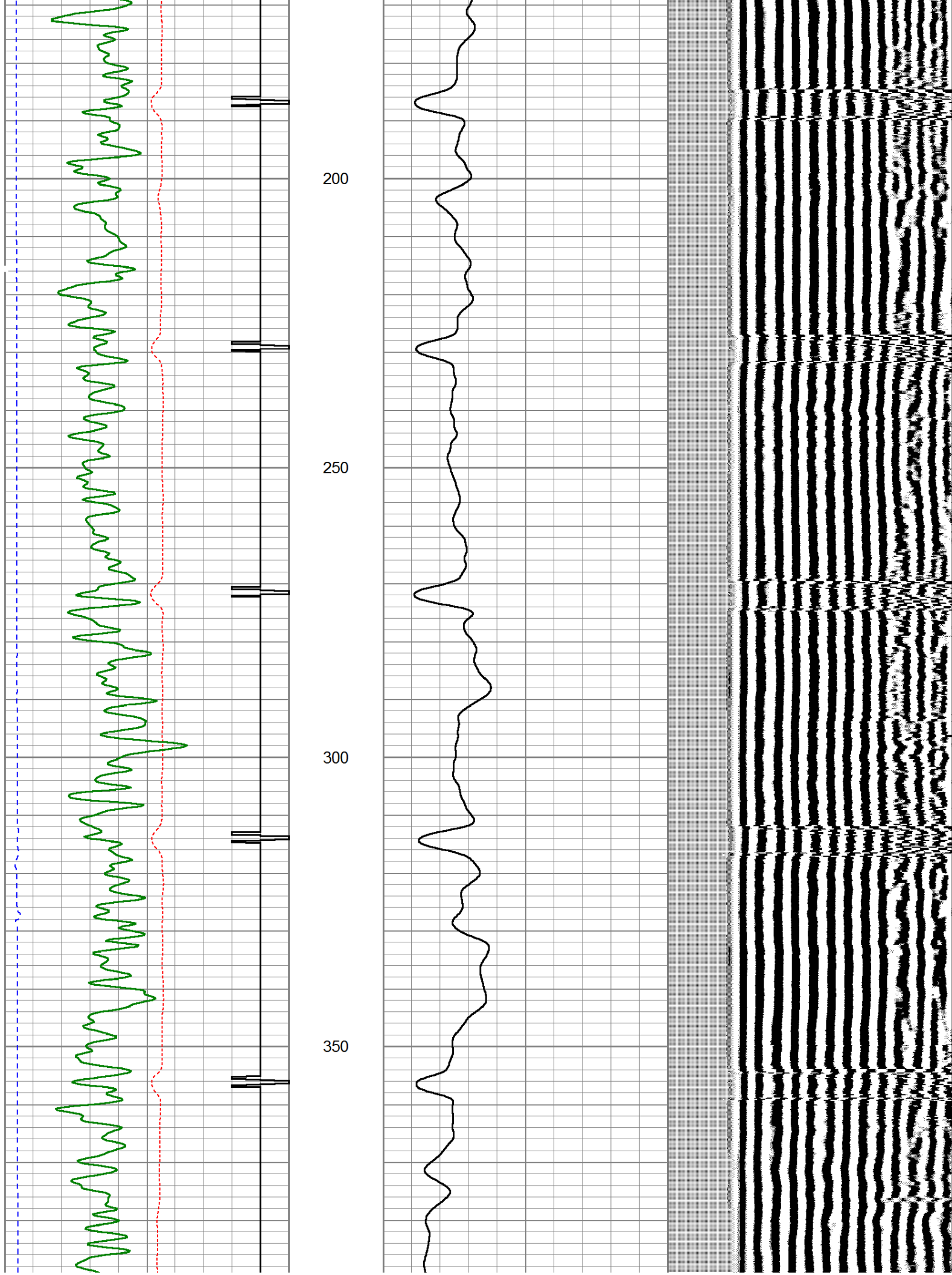
Database File: bonanza creek state seventy holes t-p-6hnb_cbl.db
Dataset Pathname: pass12
Presentation Format: cblprobe
Dataset Creation: Sat Oct 05 09:40:03 2013 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

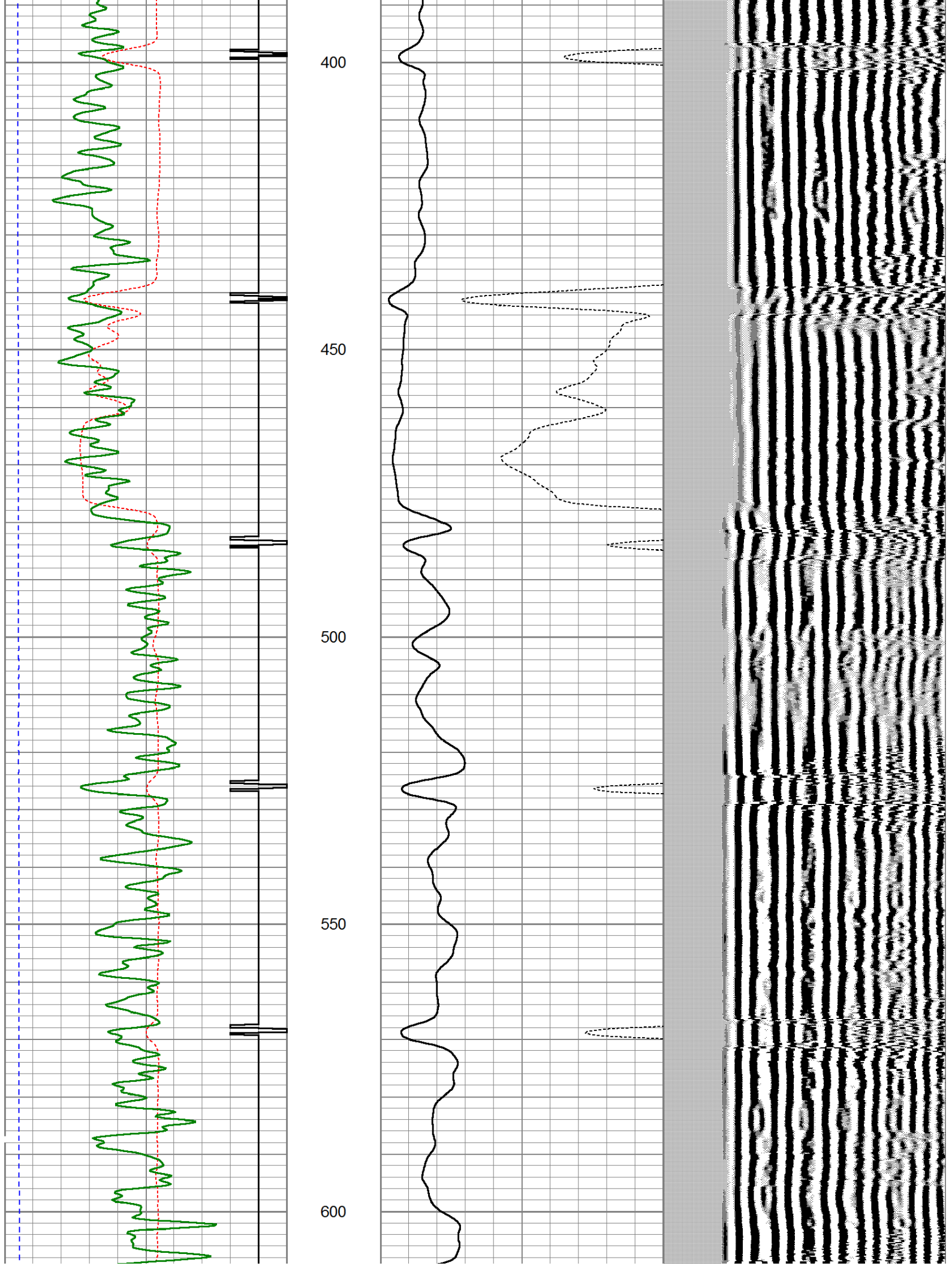
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	5000

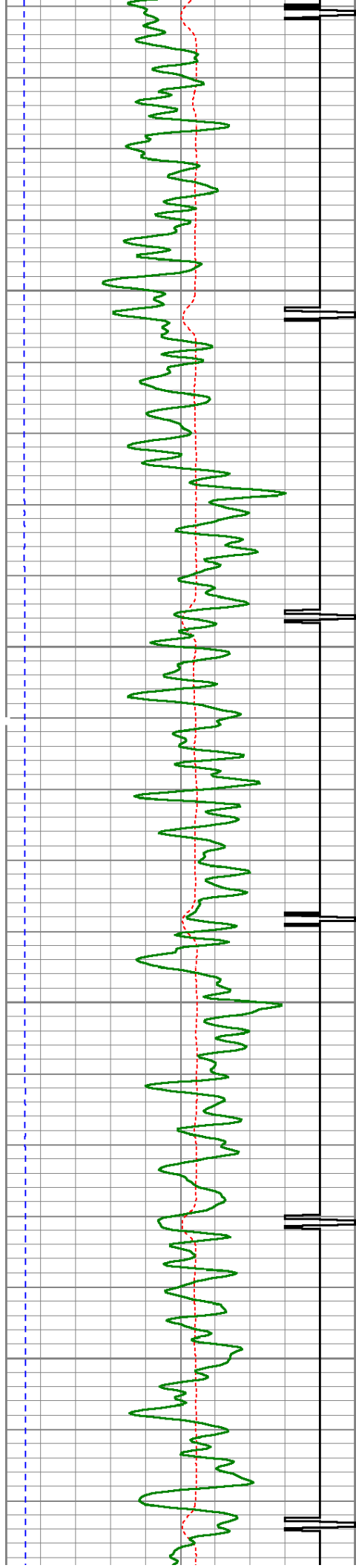
0	Amplitude (mV)	100
0	Amplified Amplitude (mV)	10

200 Variable Density 1200







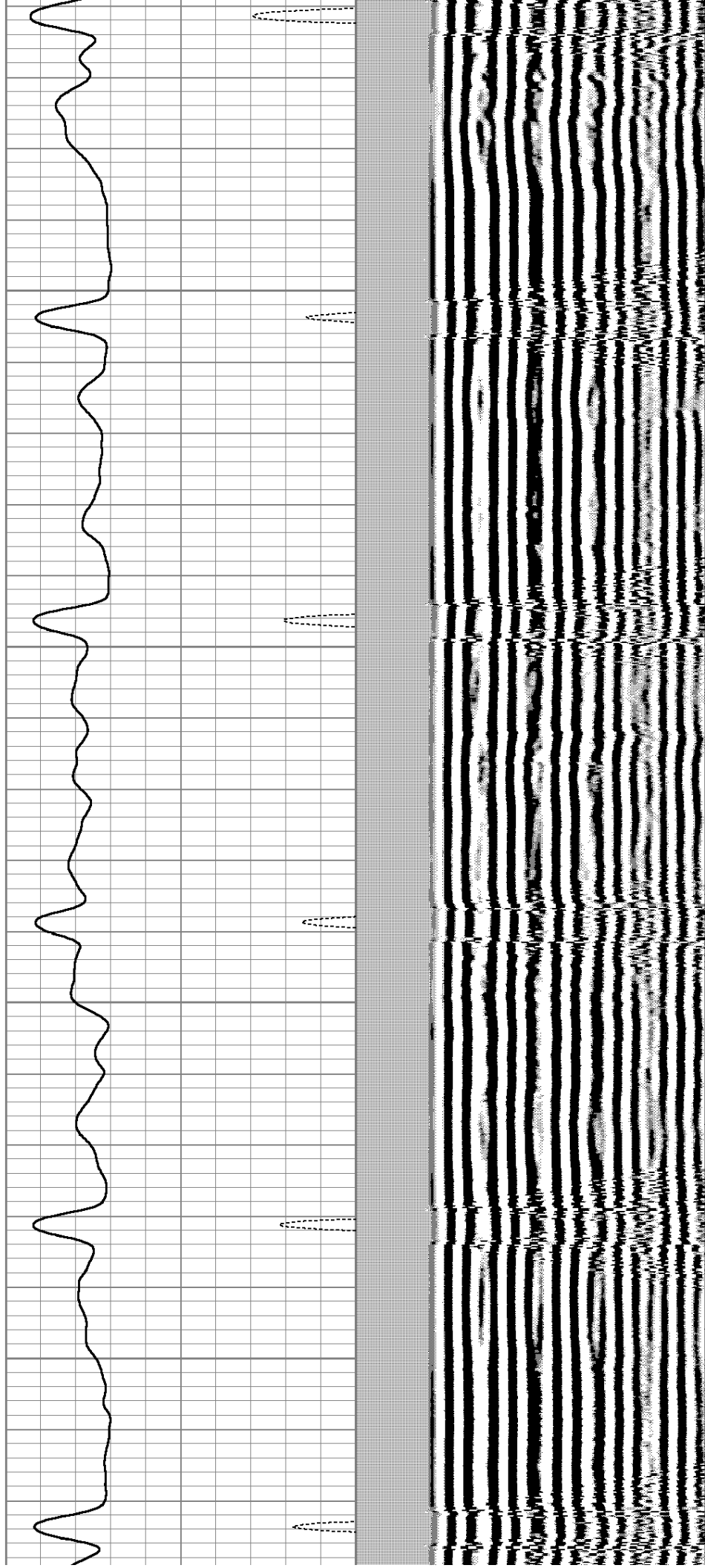


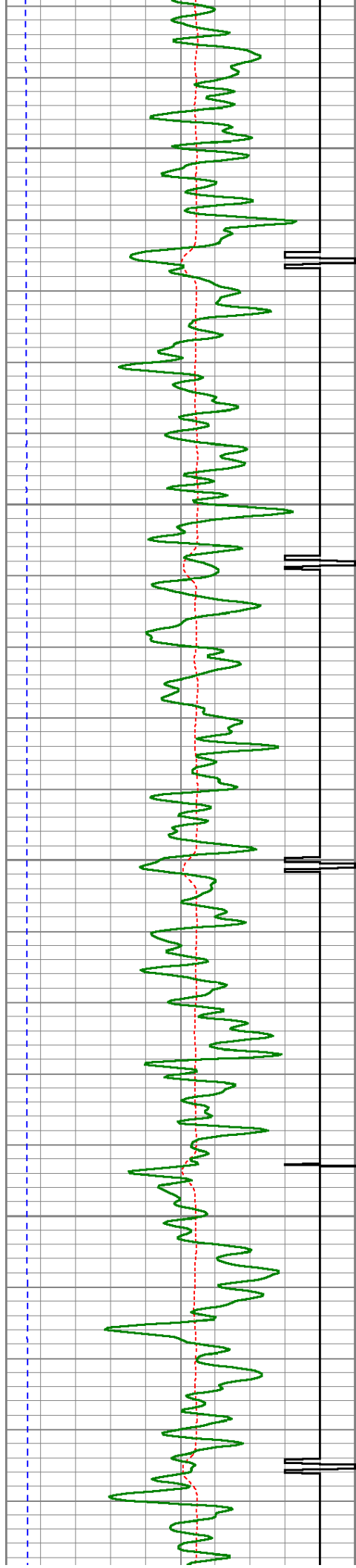
650

700

750

800



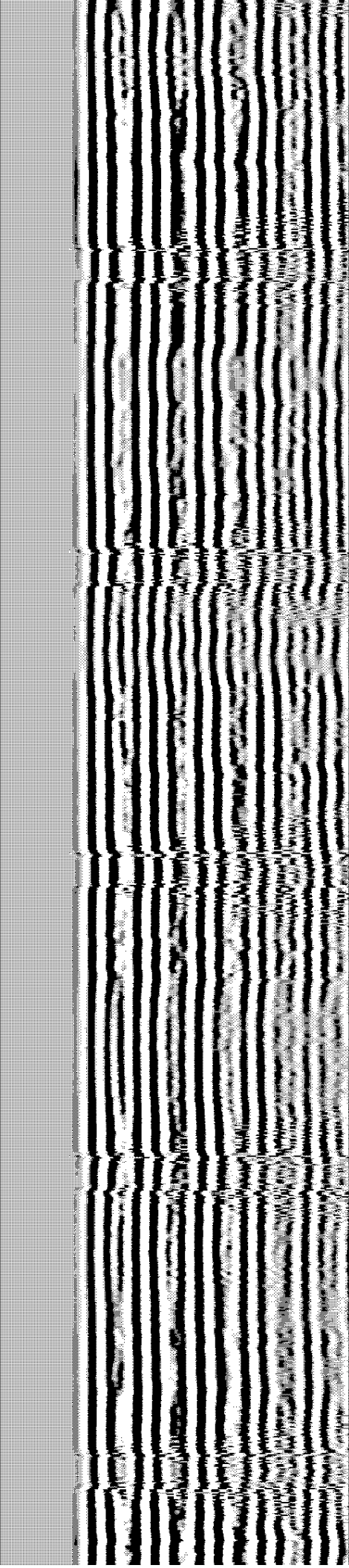
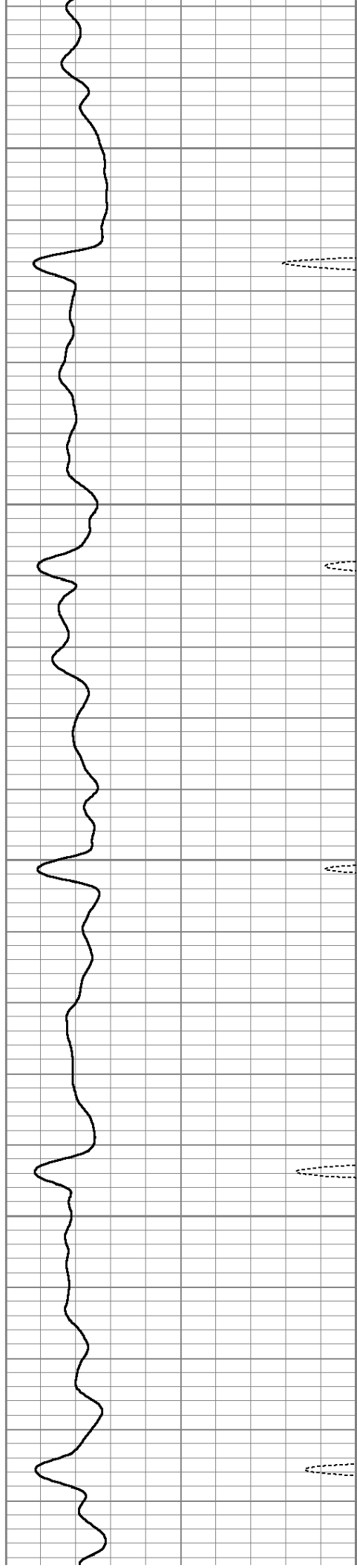


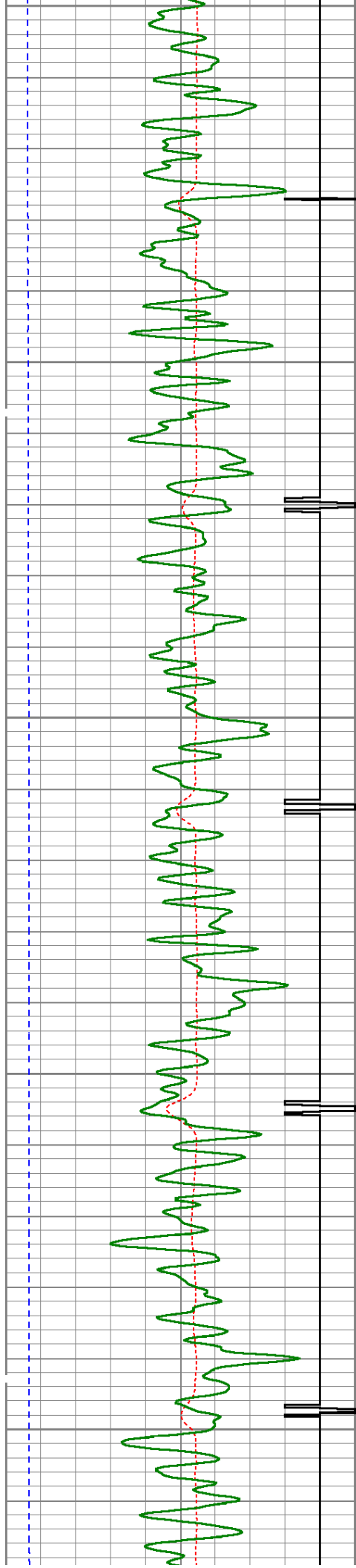
850

900

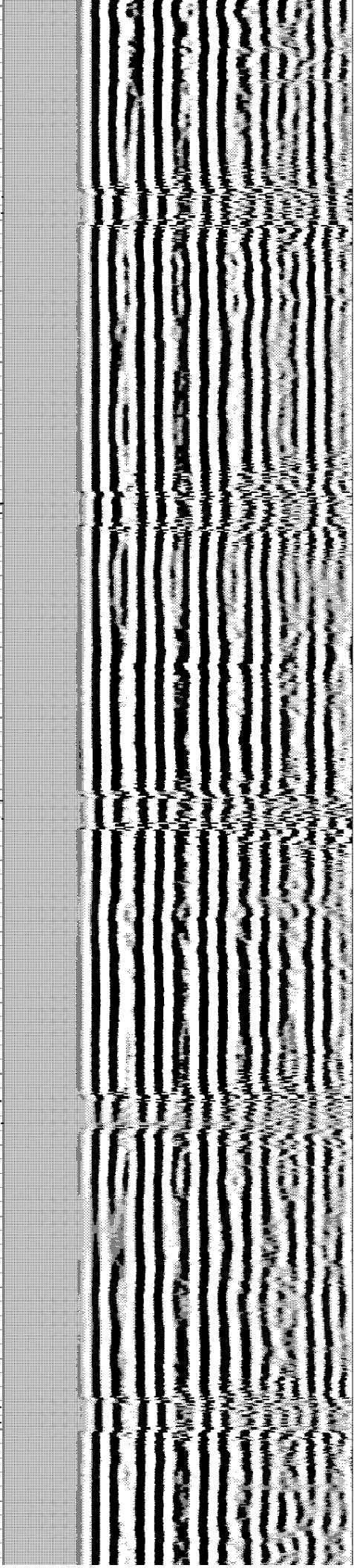
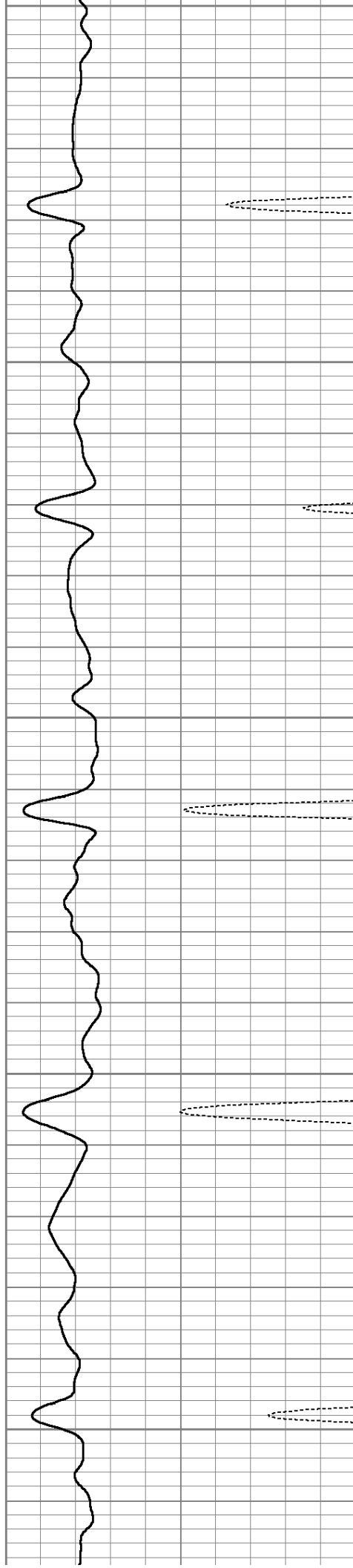
950

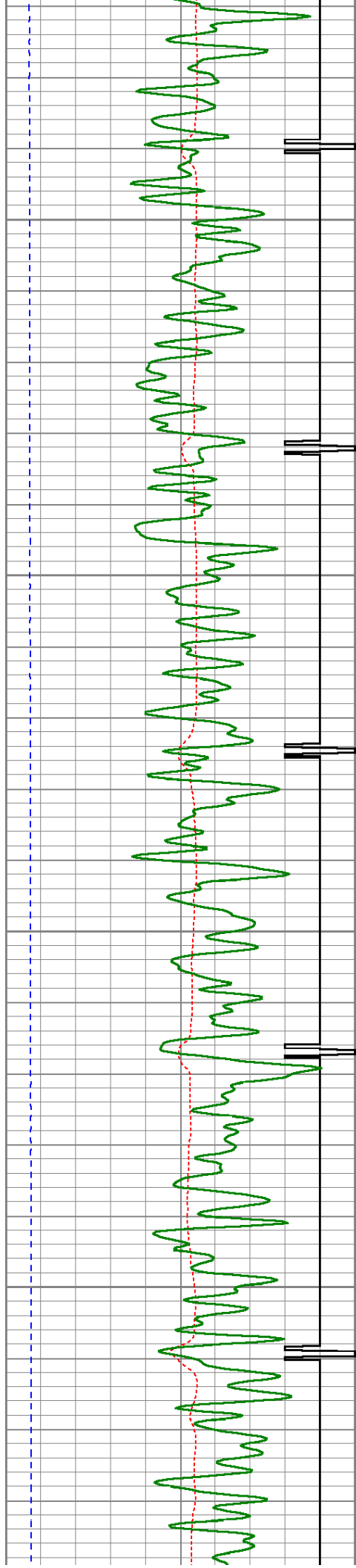
1000





1050
1100
1150
1200
1250



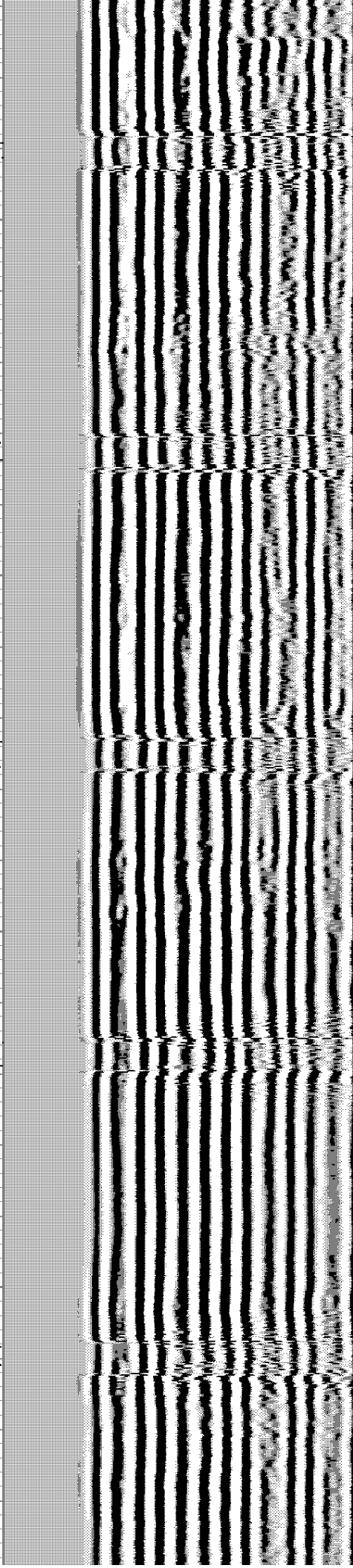
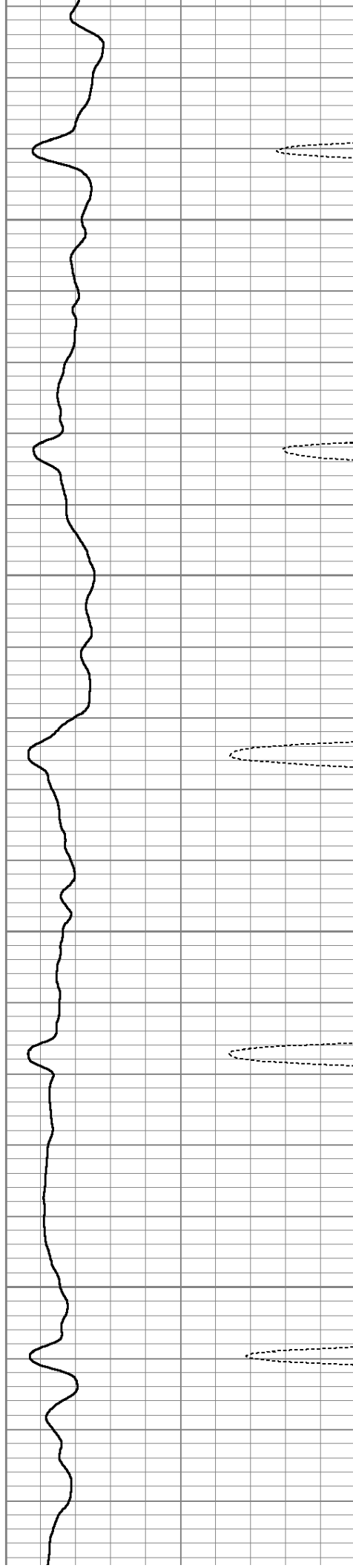


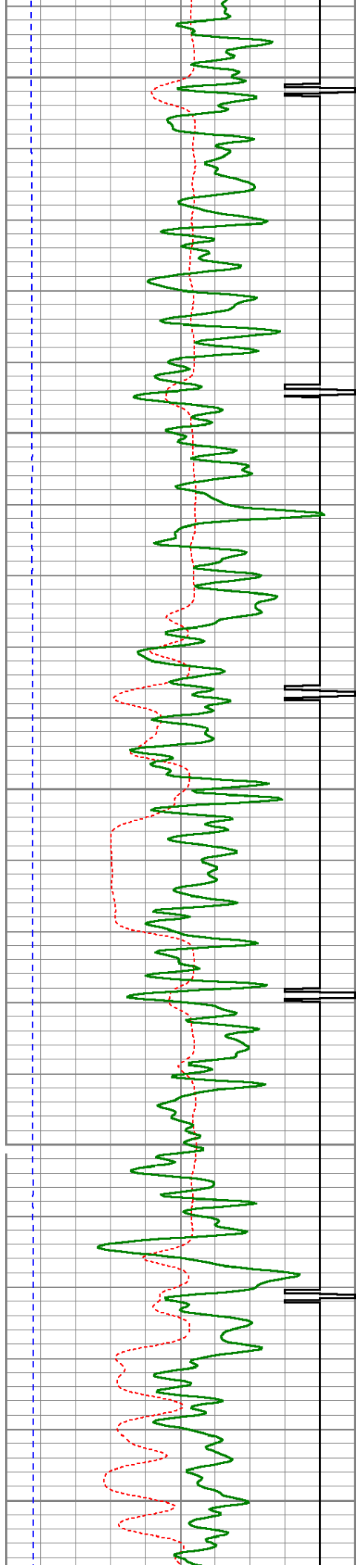
1300

1350

1400

1450





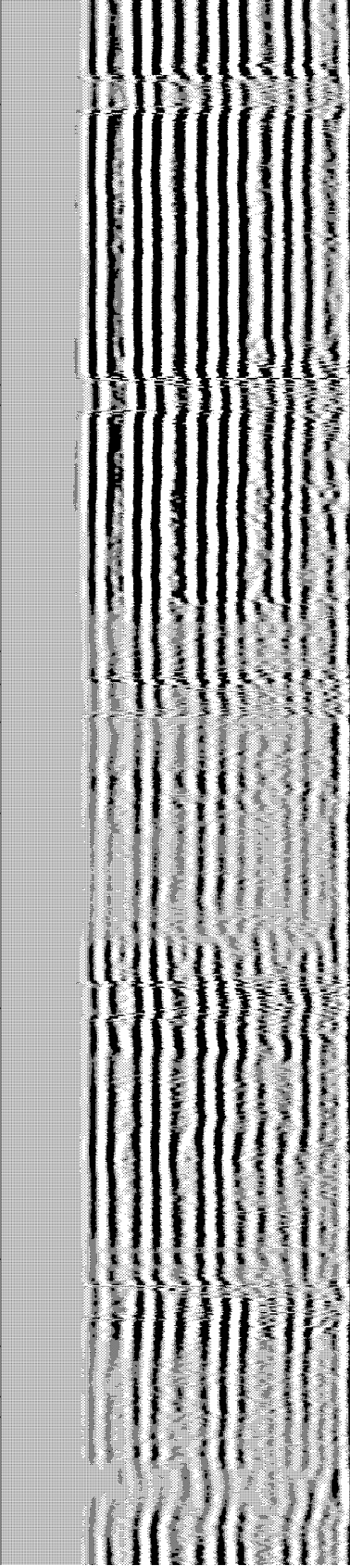
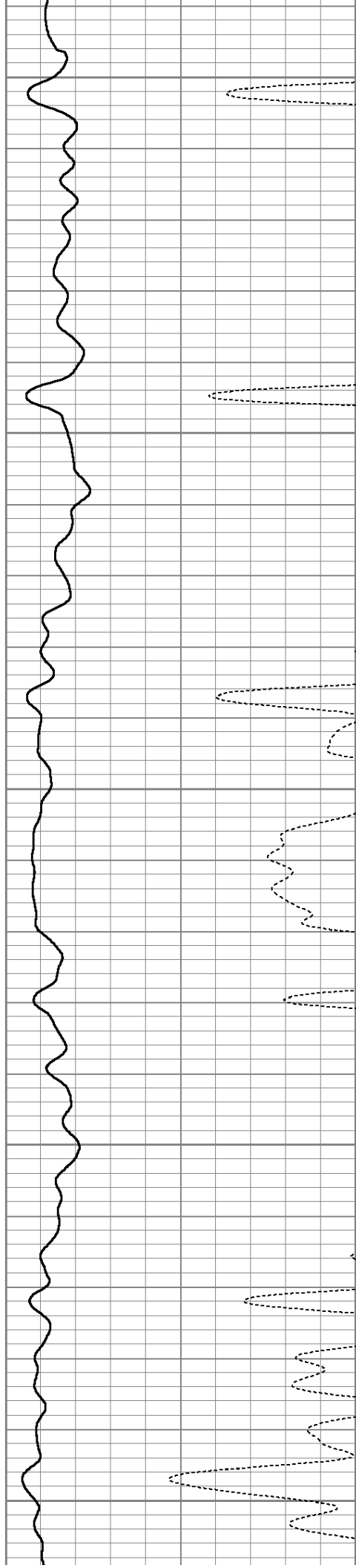
1500

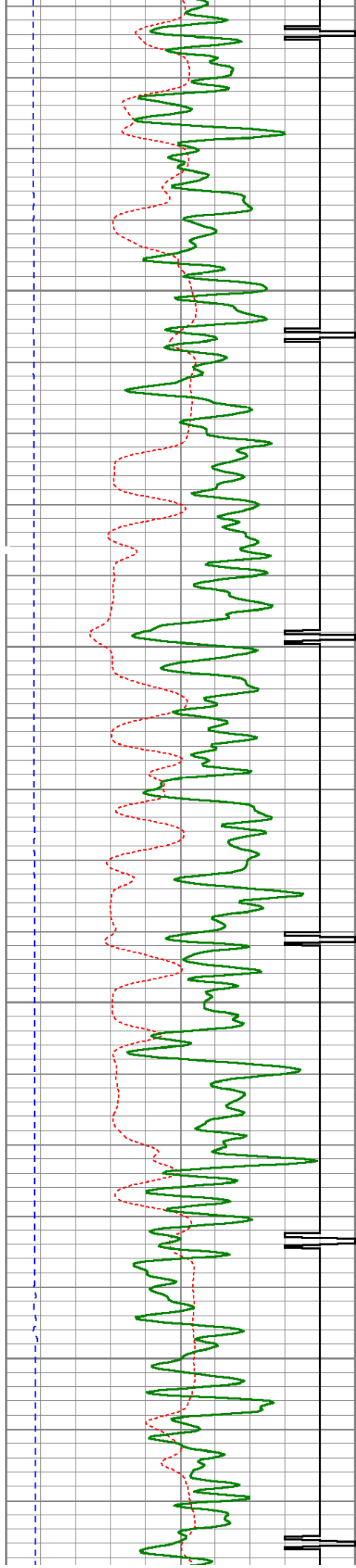
1550

1600

1650

1700



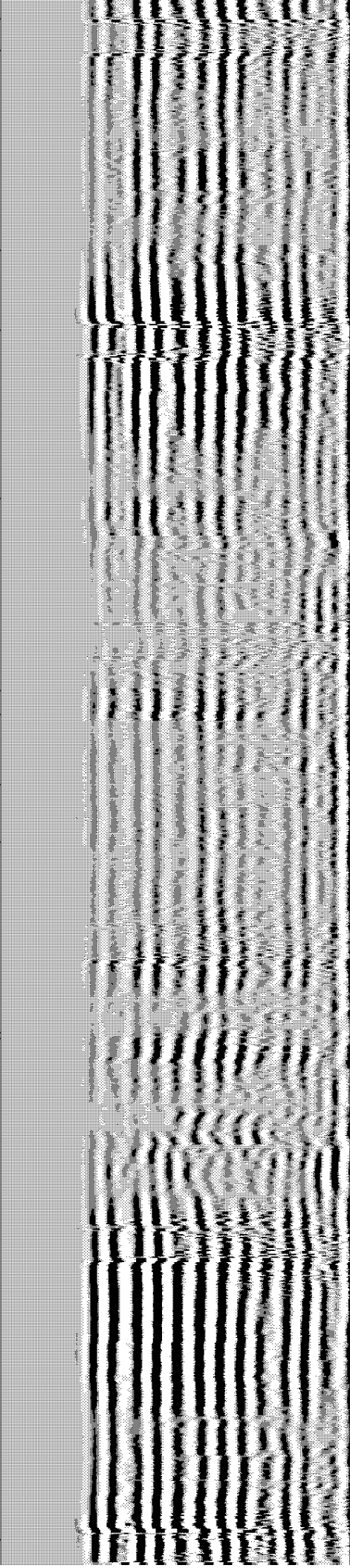
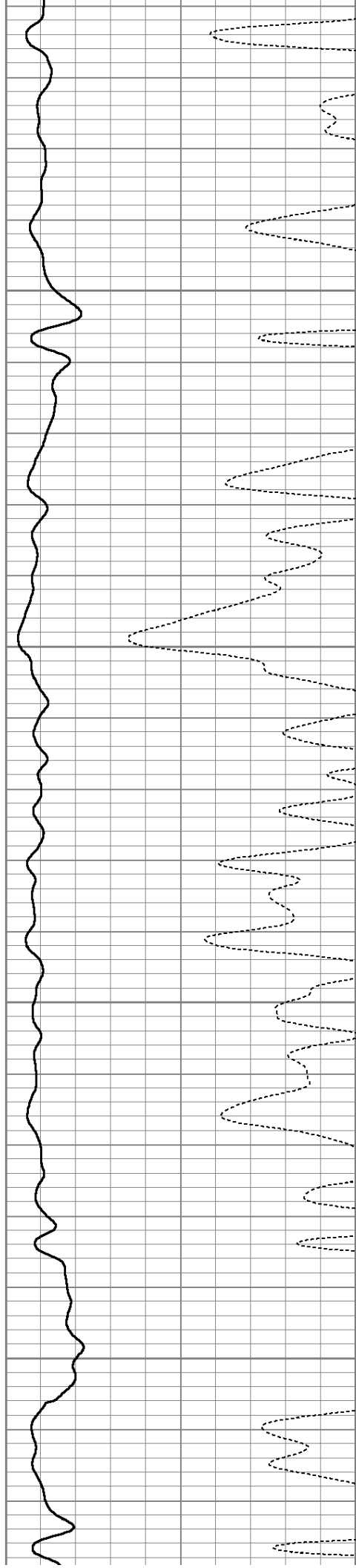


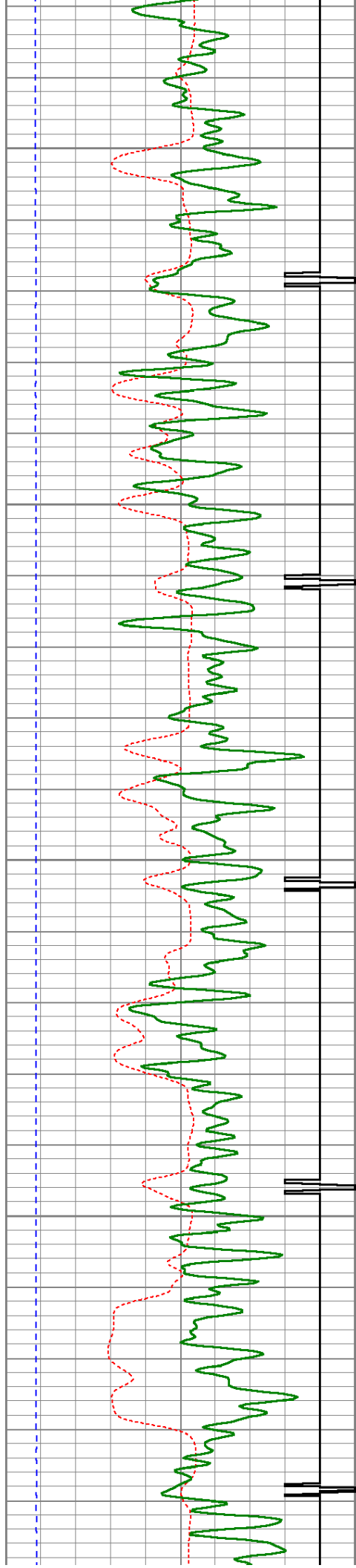
1750

1800

1850

1900



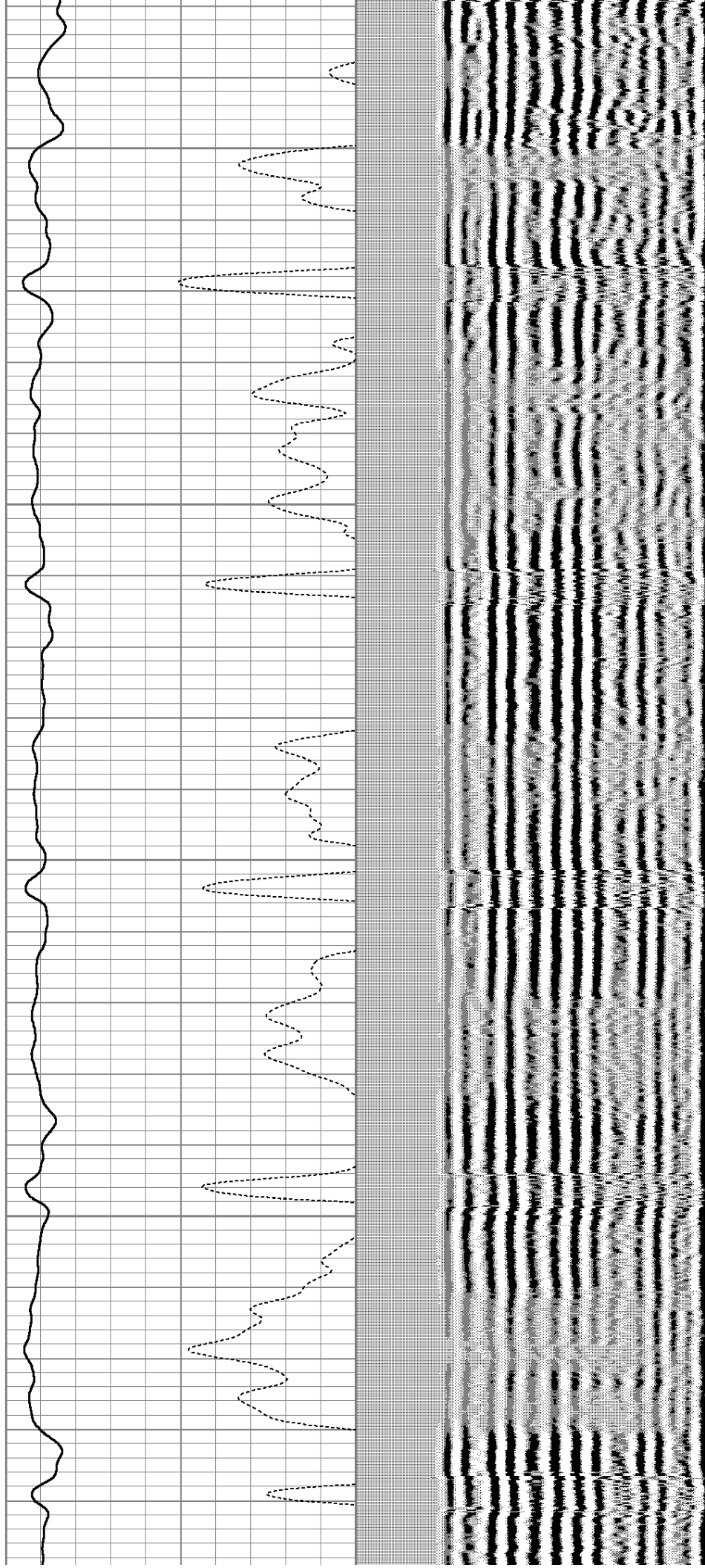


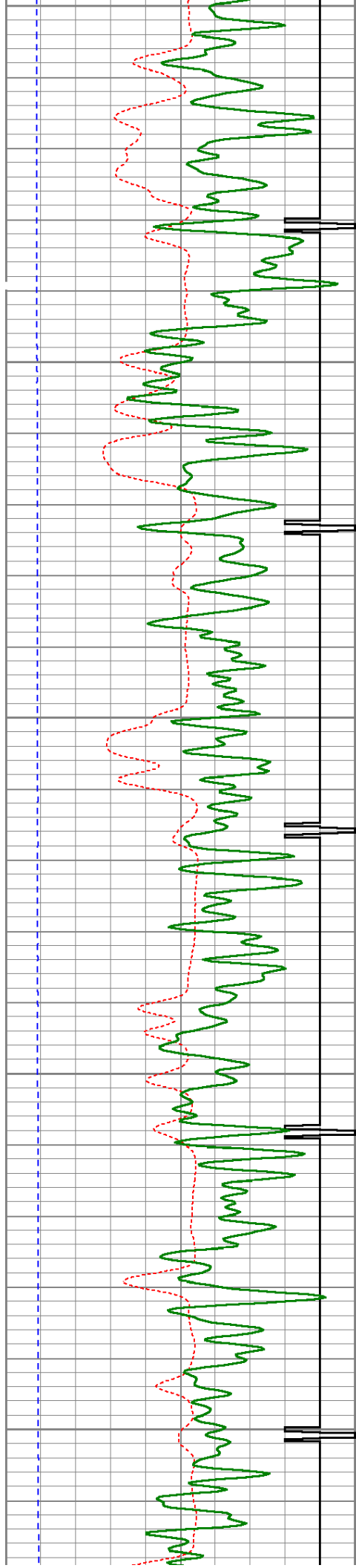
1950

2000

2050

2100





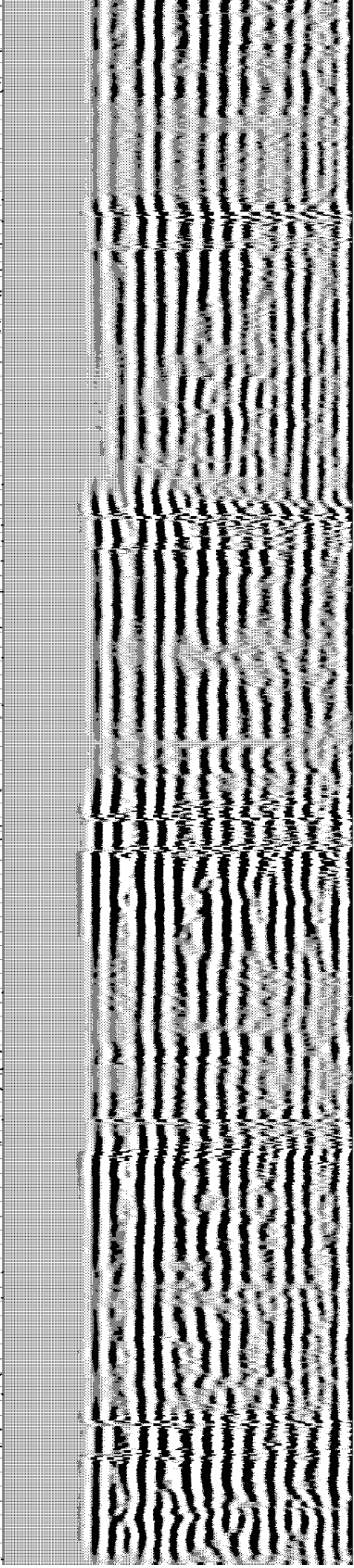
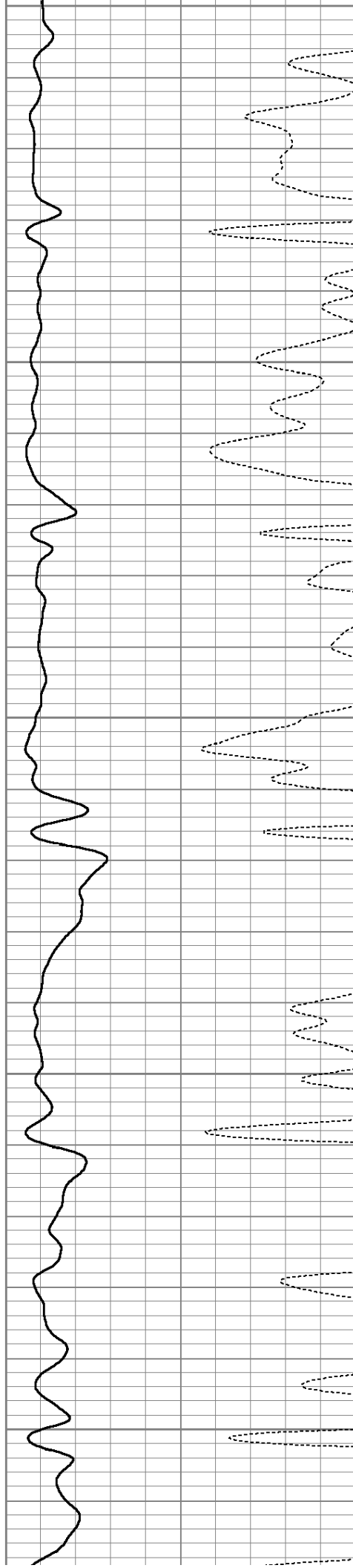
2150

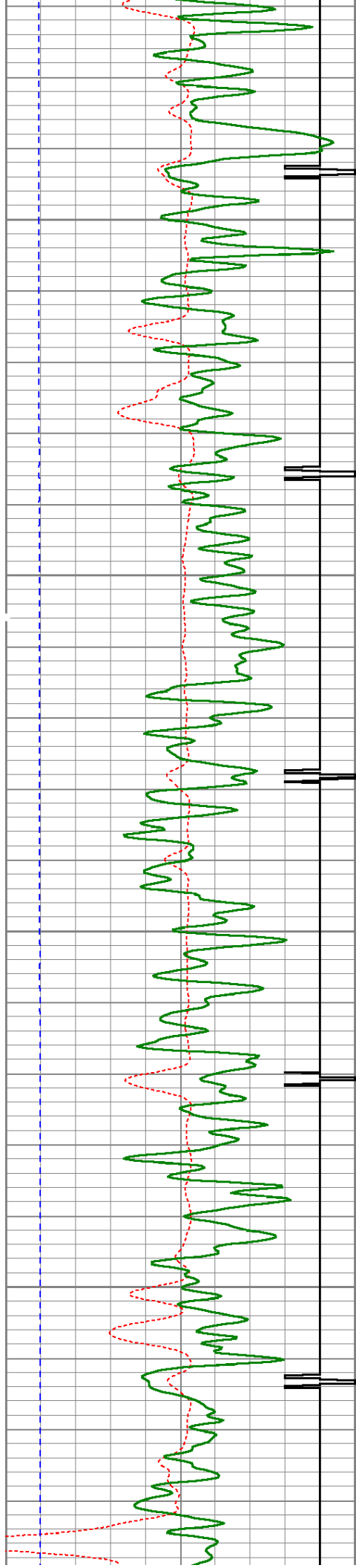
2200

2250

2300

2350



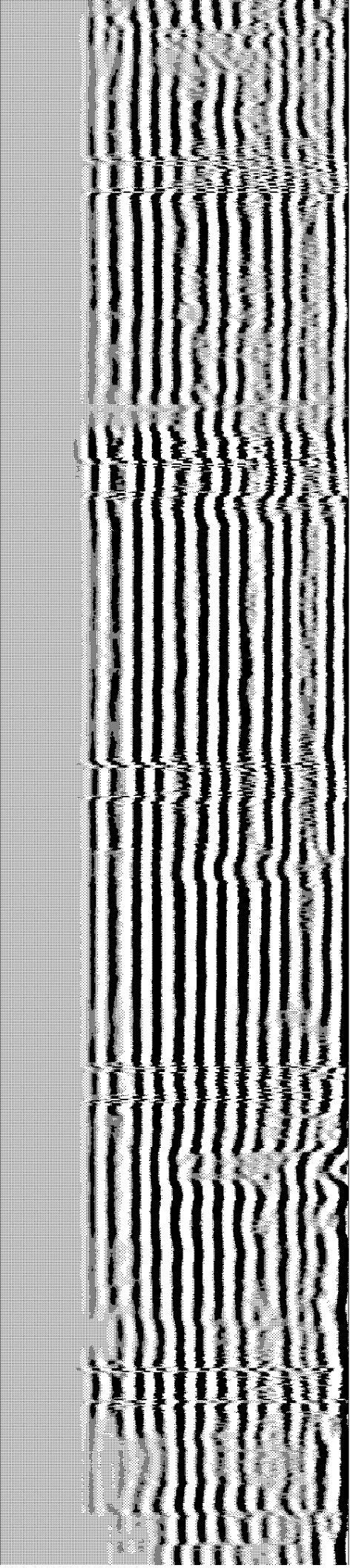
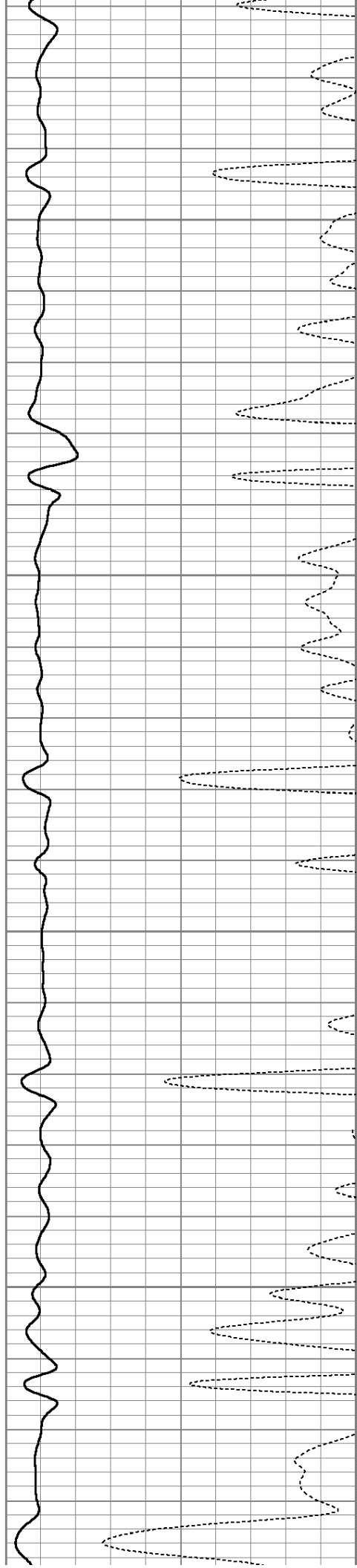


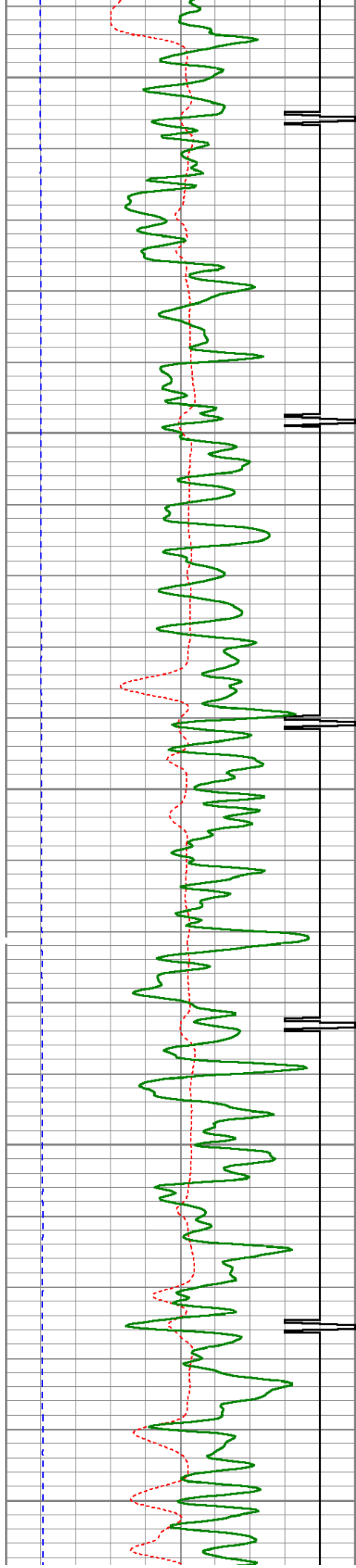
2400

2450

2500

2550





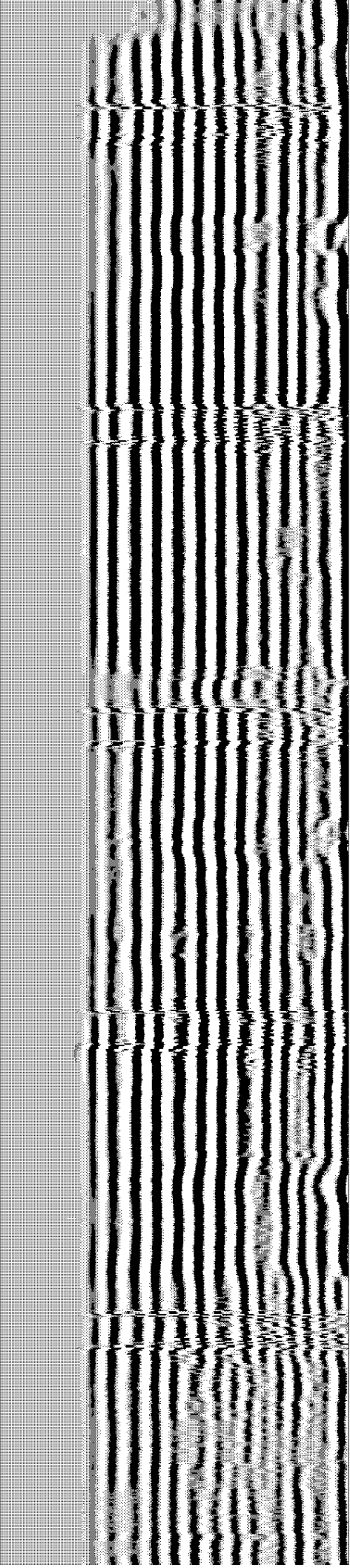
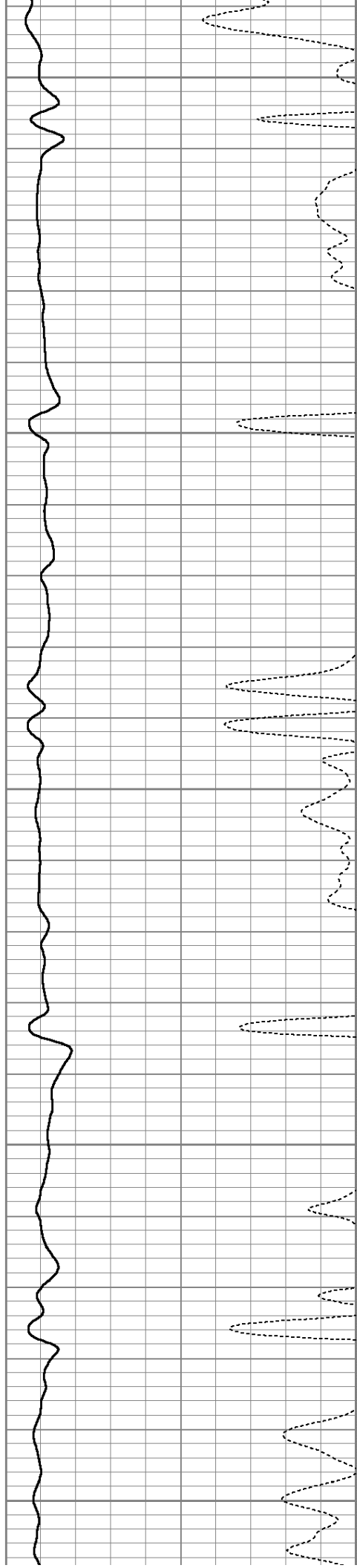
2600

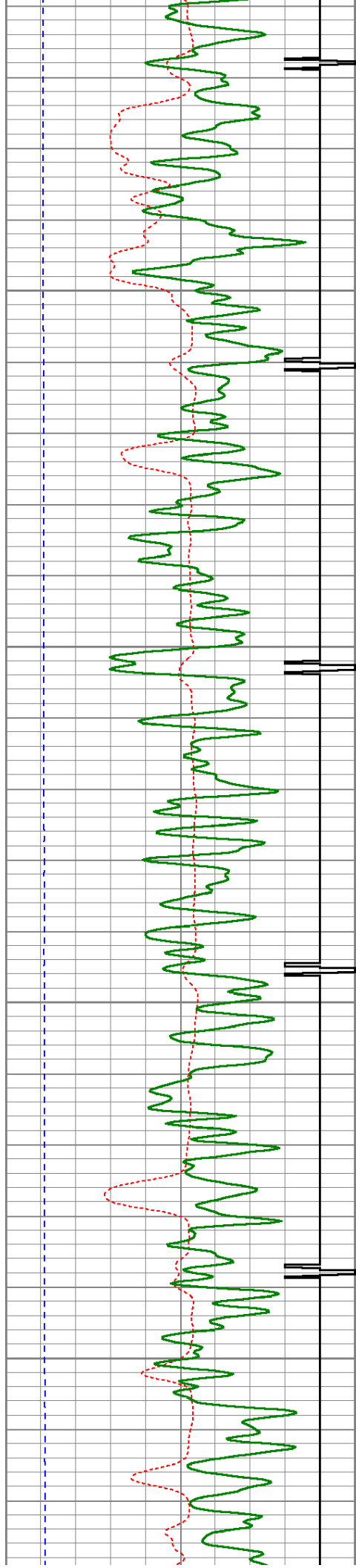
2650

2700

2750

2800



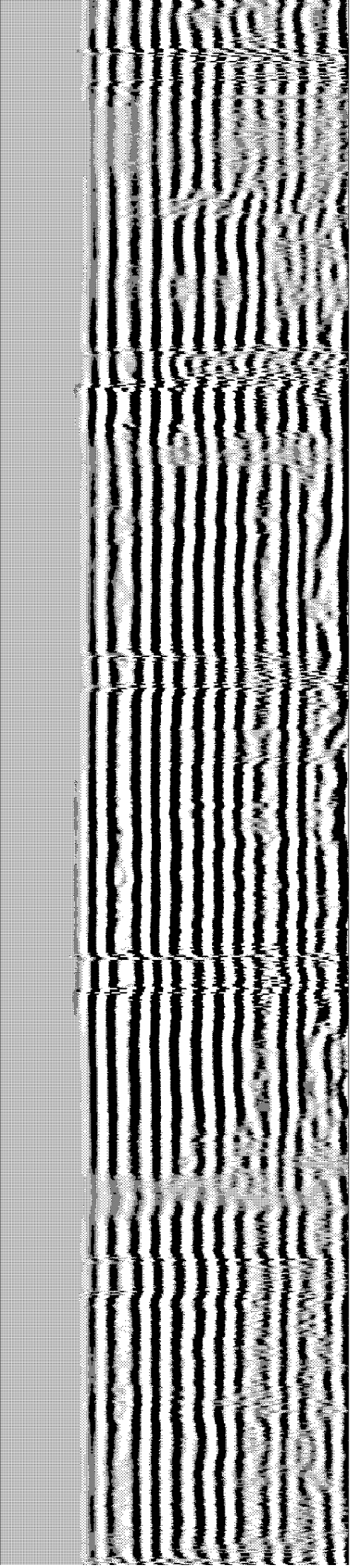
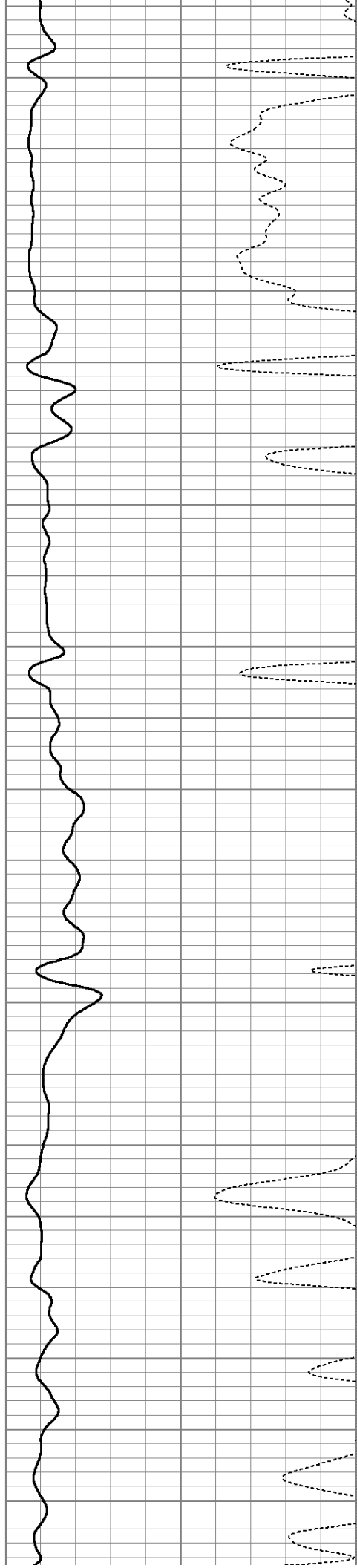


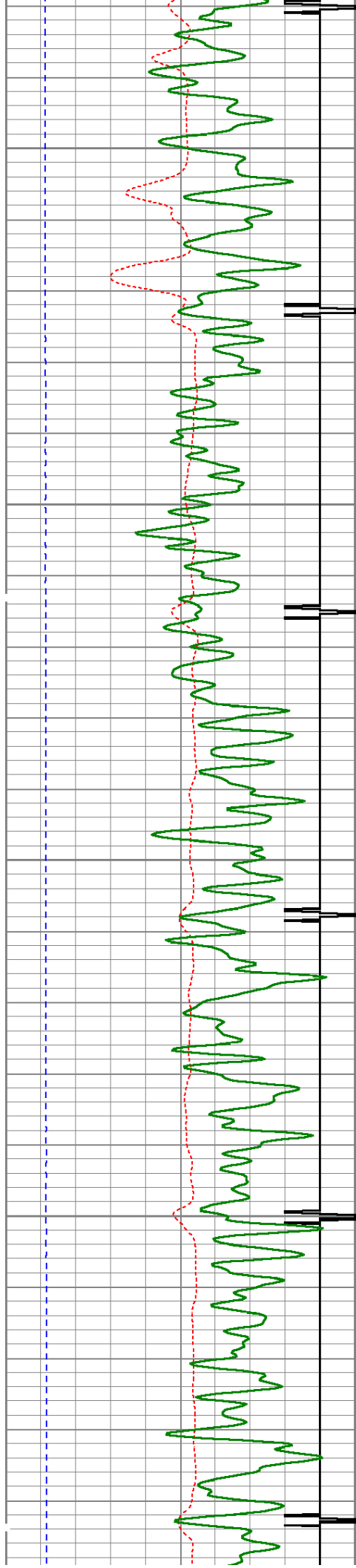
2850

2900

2950

3000



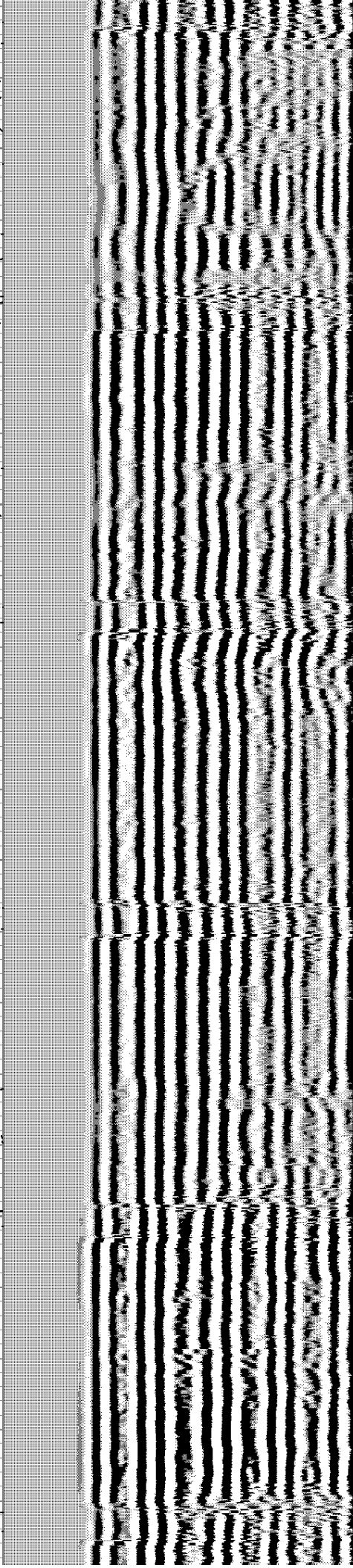
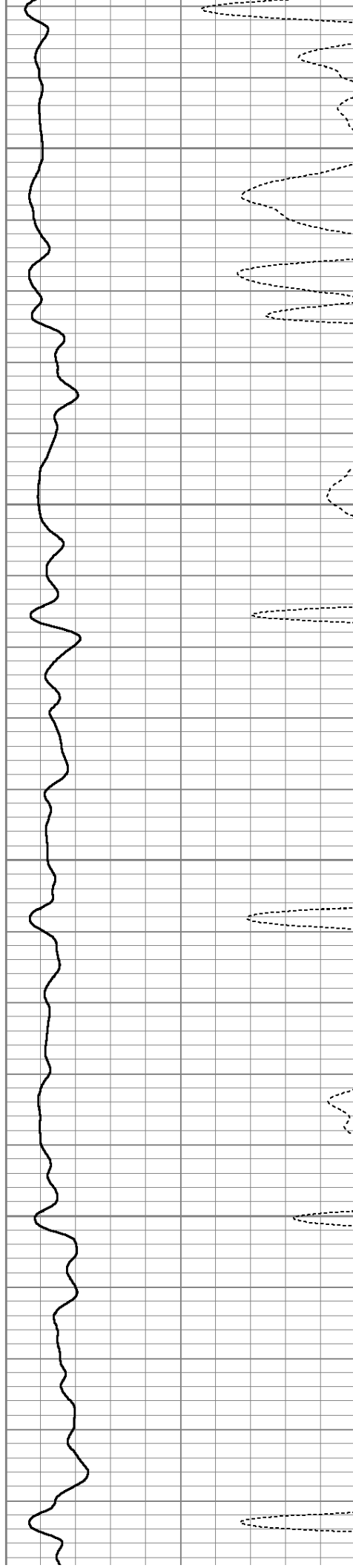


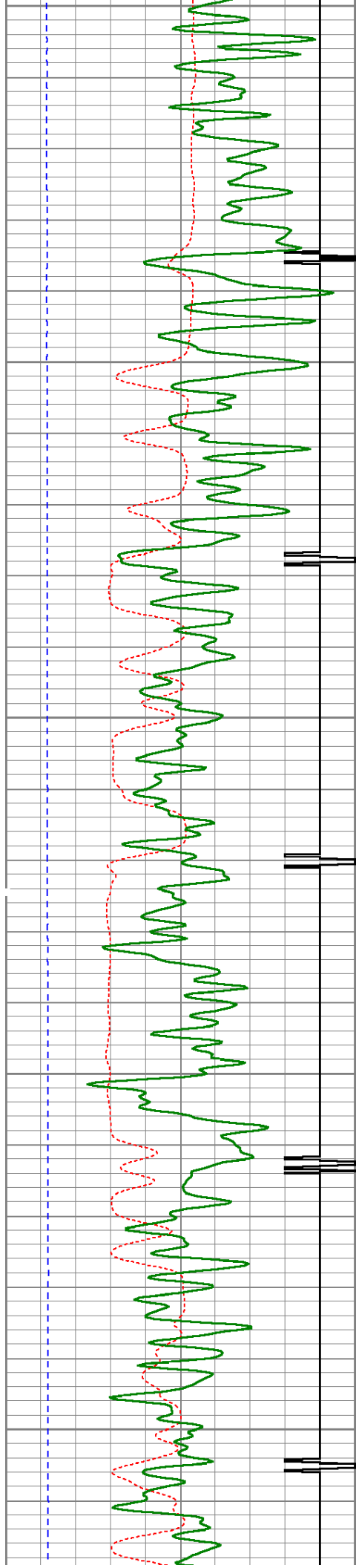
3050

3100

3150

3200





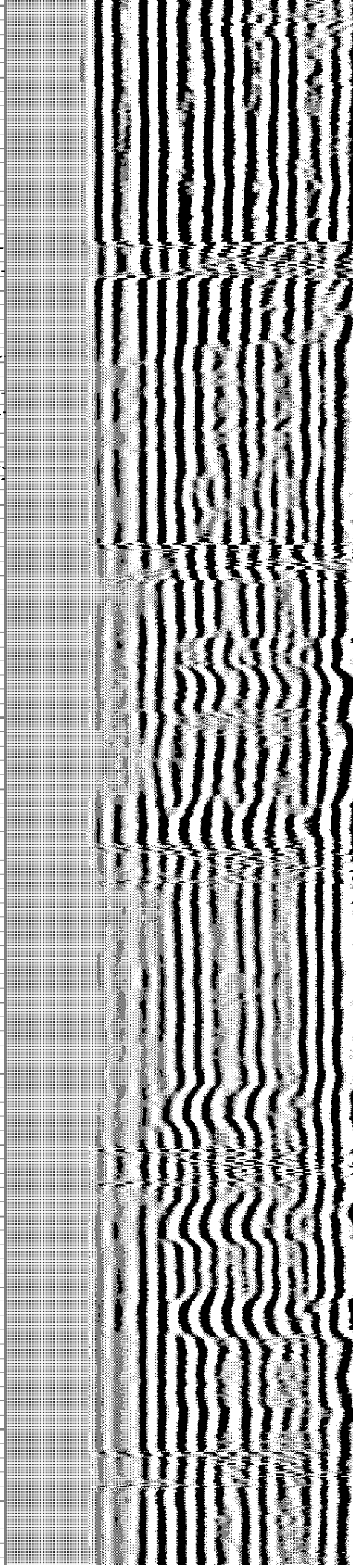
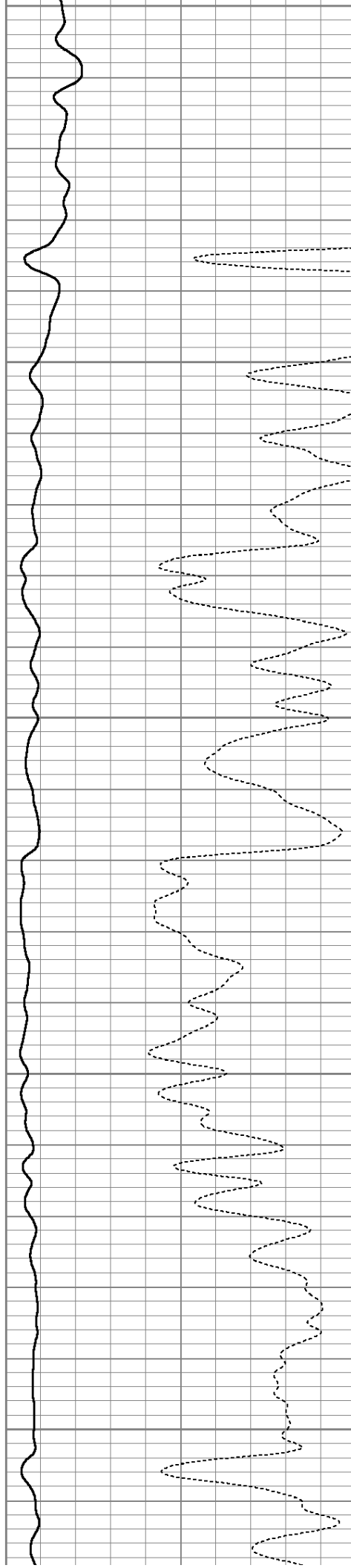
3250

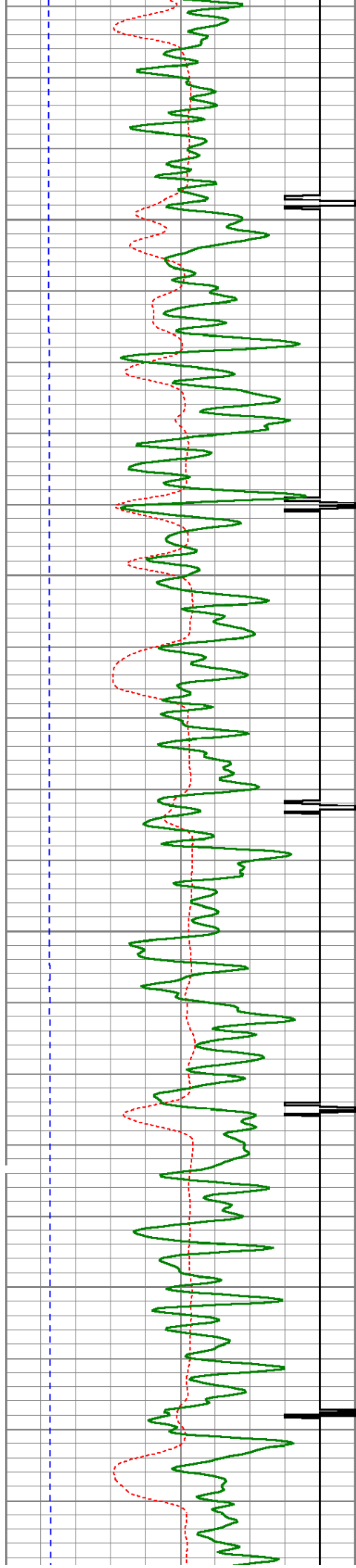
3300

3350

3400

3450



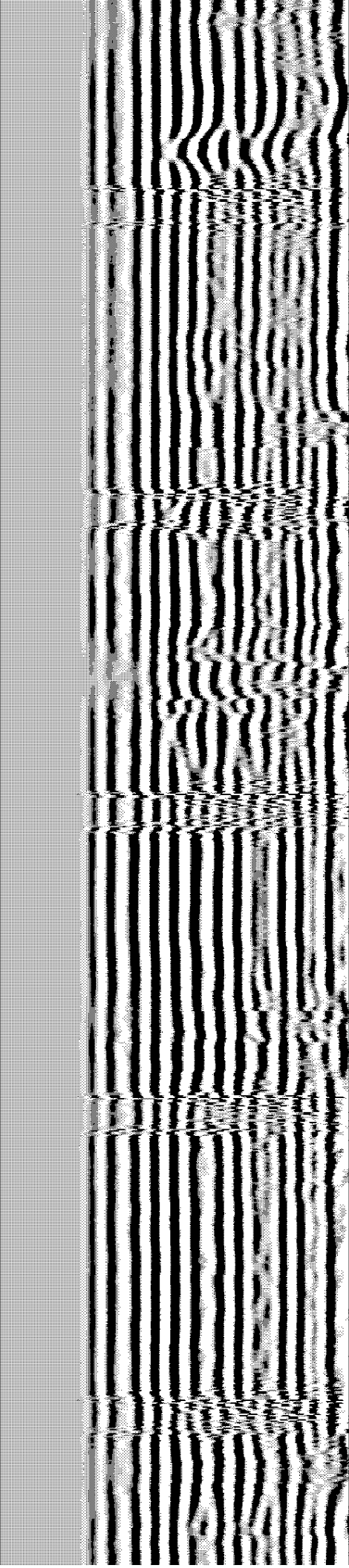
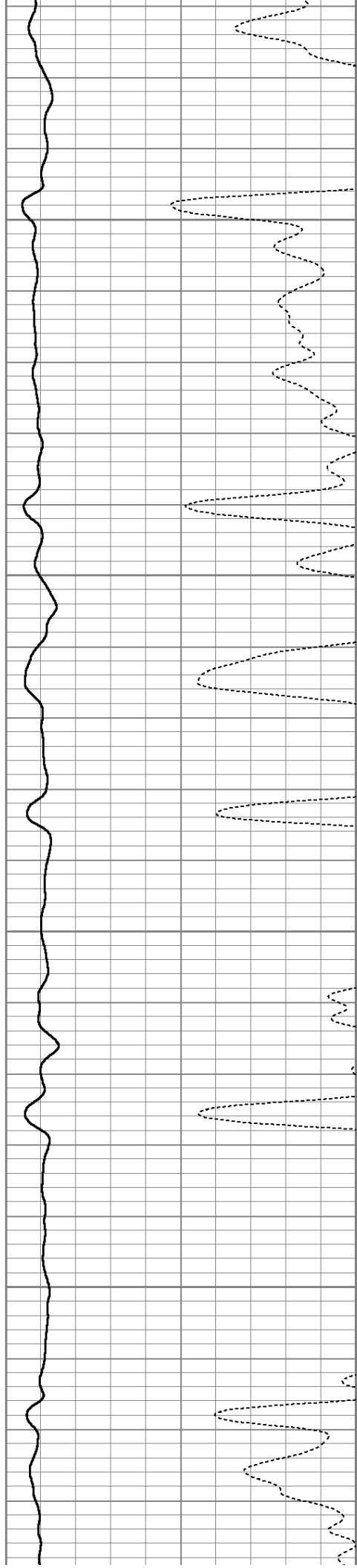


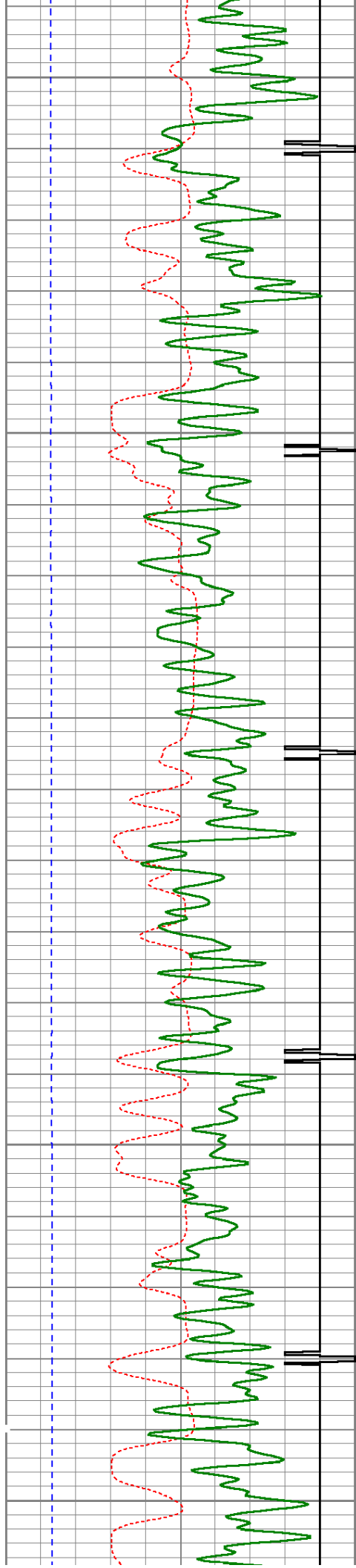
3500

3550

3600

3650





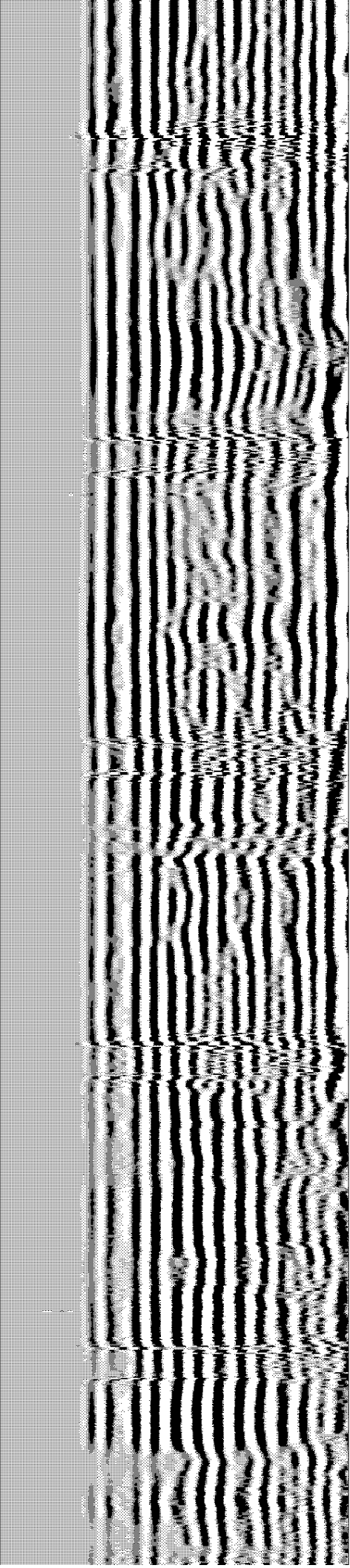
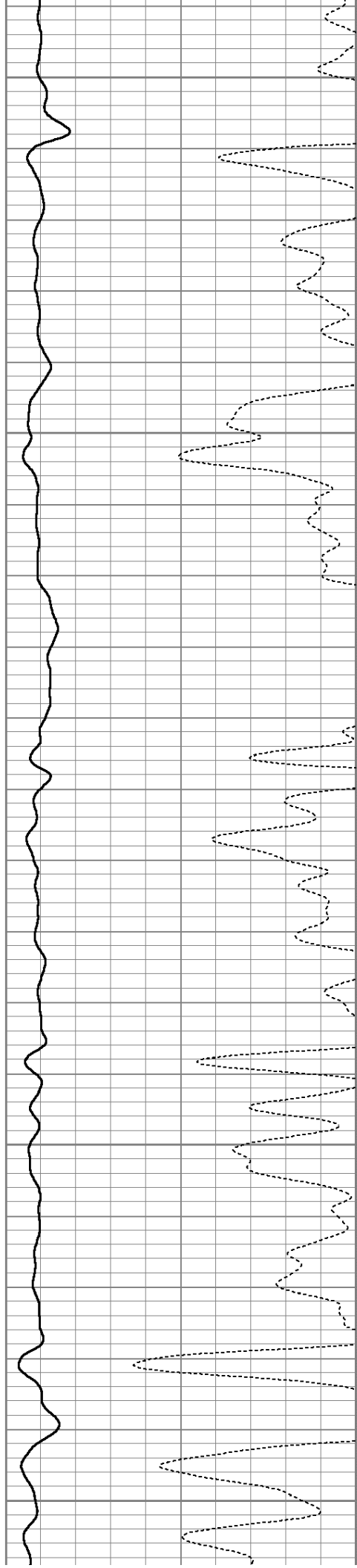
3700

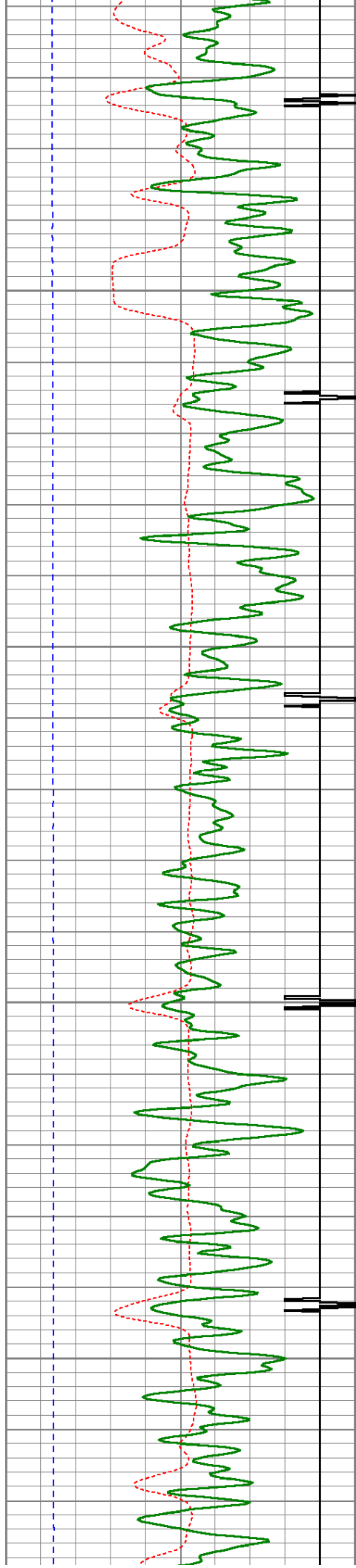
3750

3800

3850

3900



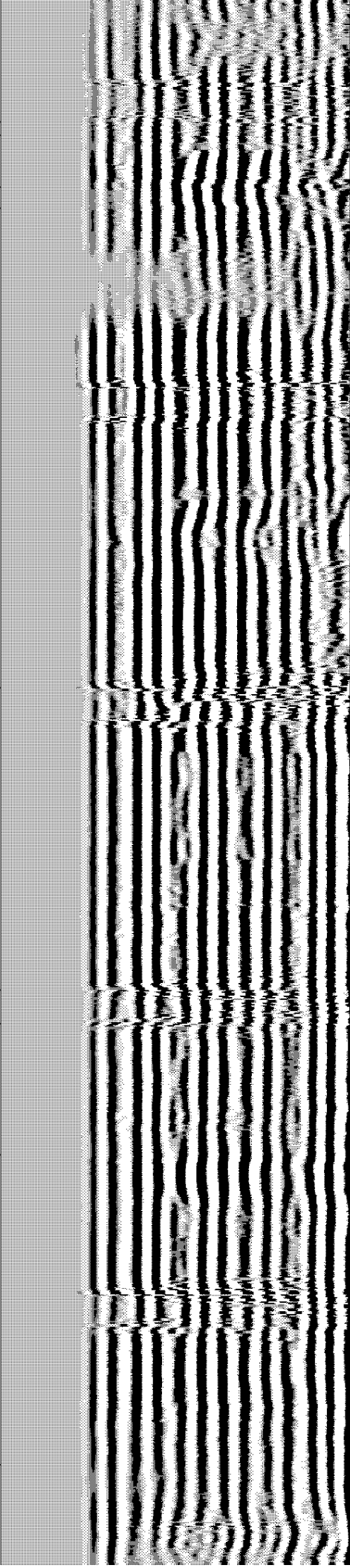
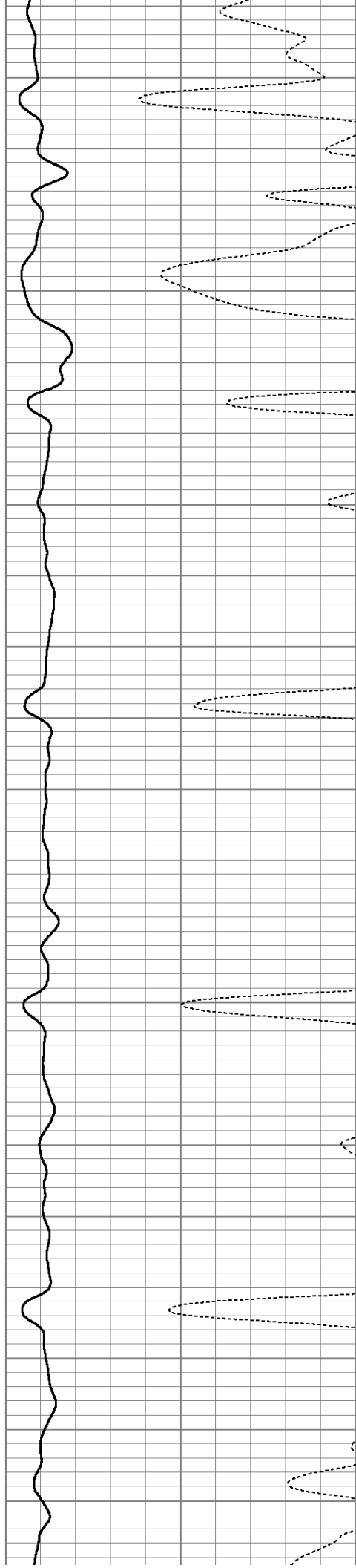


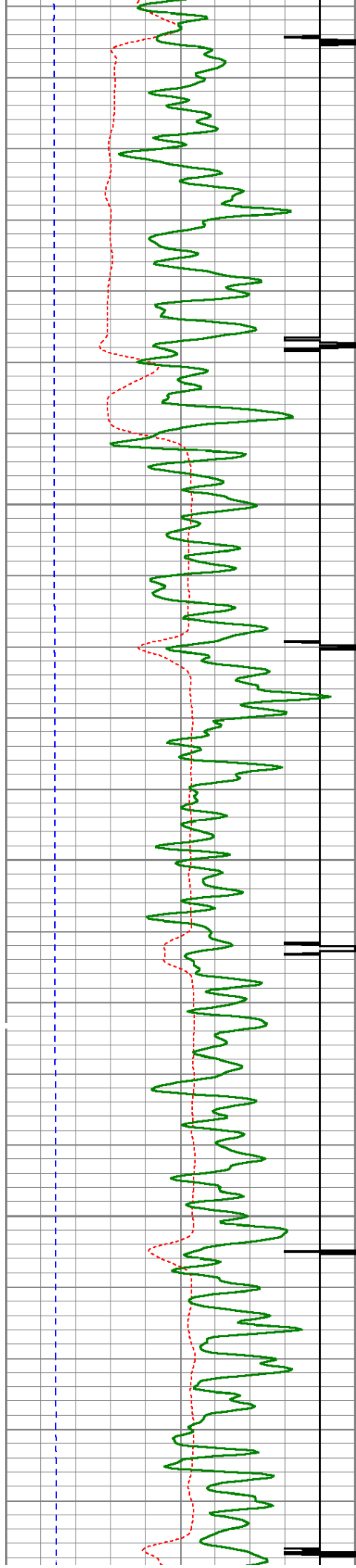
3950

4000

4050

4100



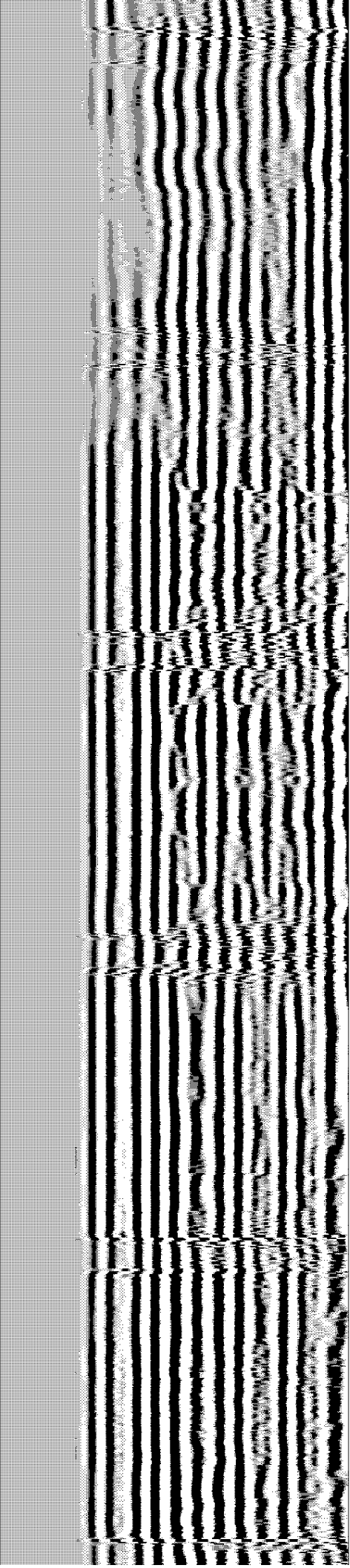
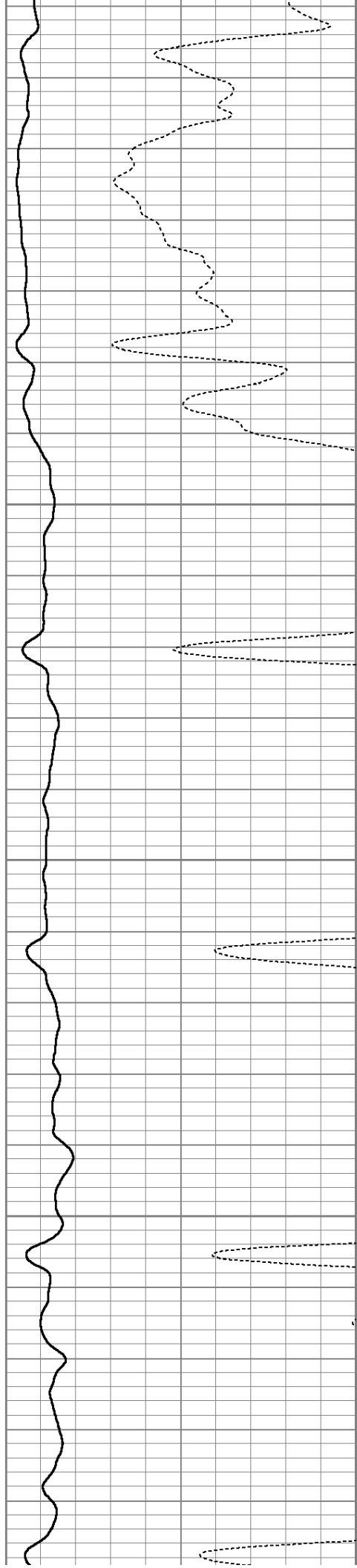


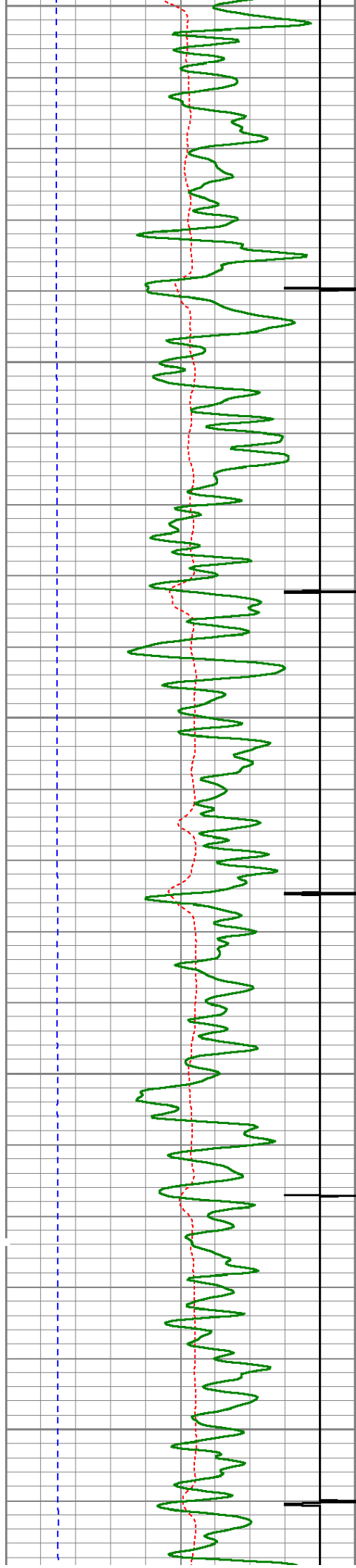
4150

4200

4250

4300





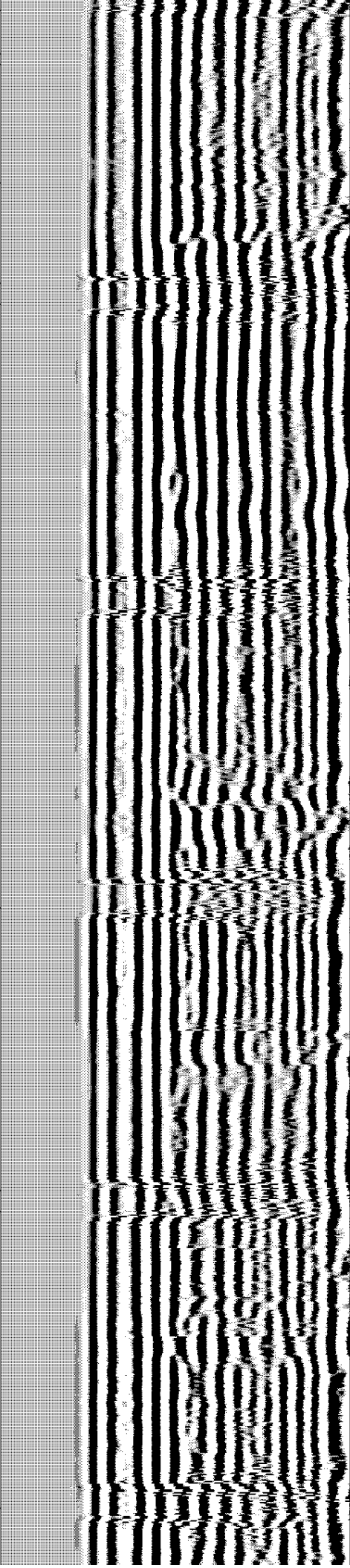
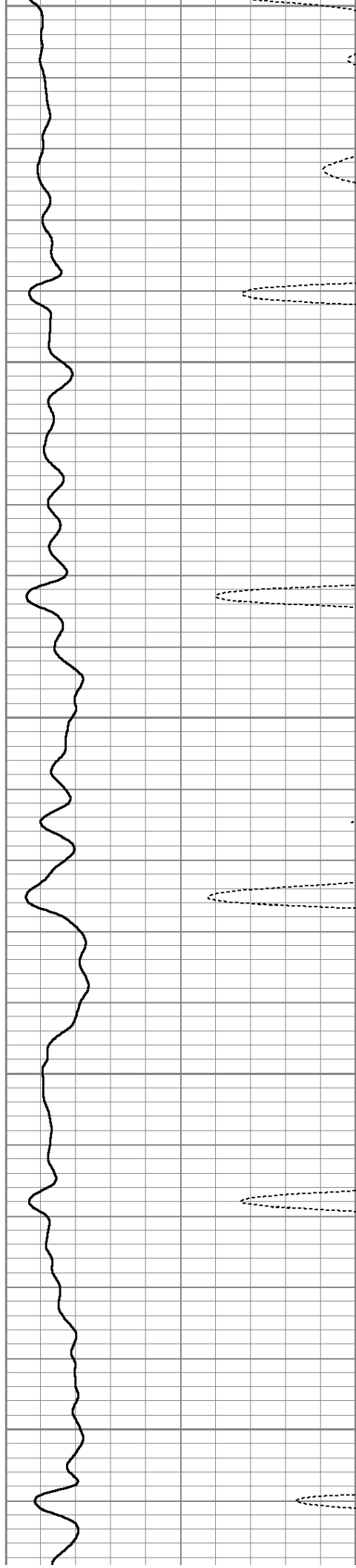
4350

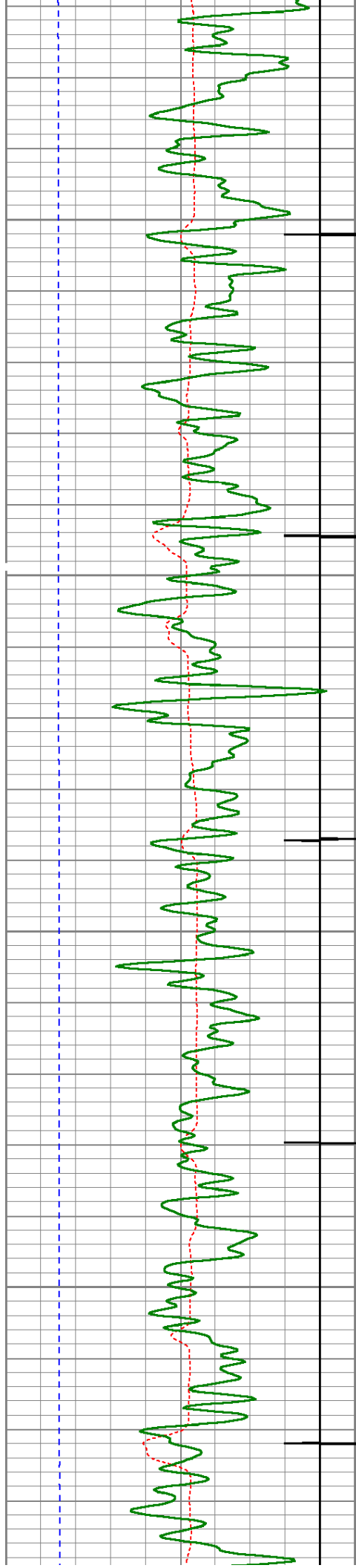
4400

4450

4500

4550



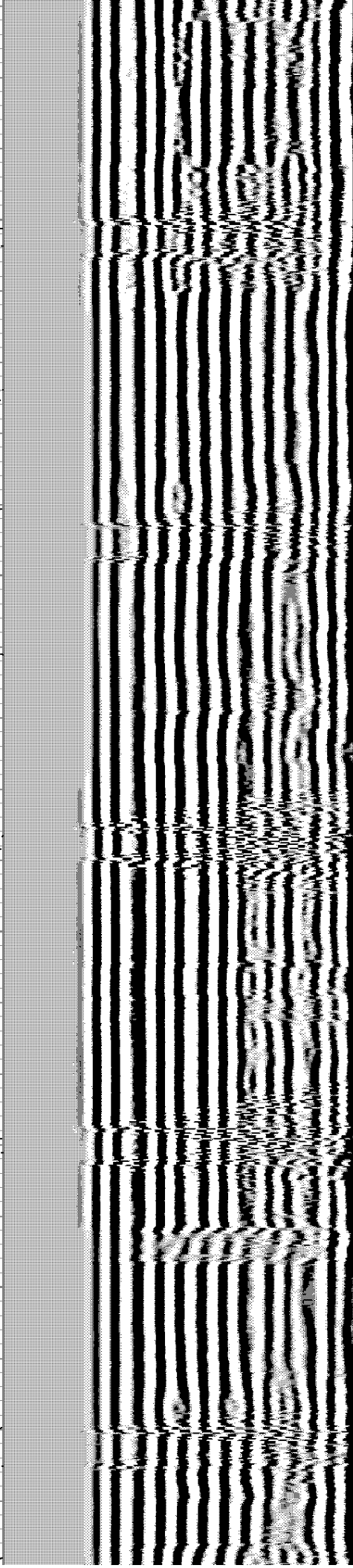
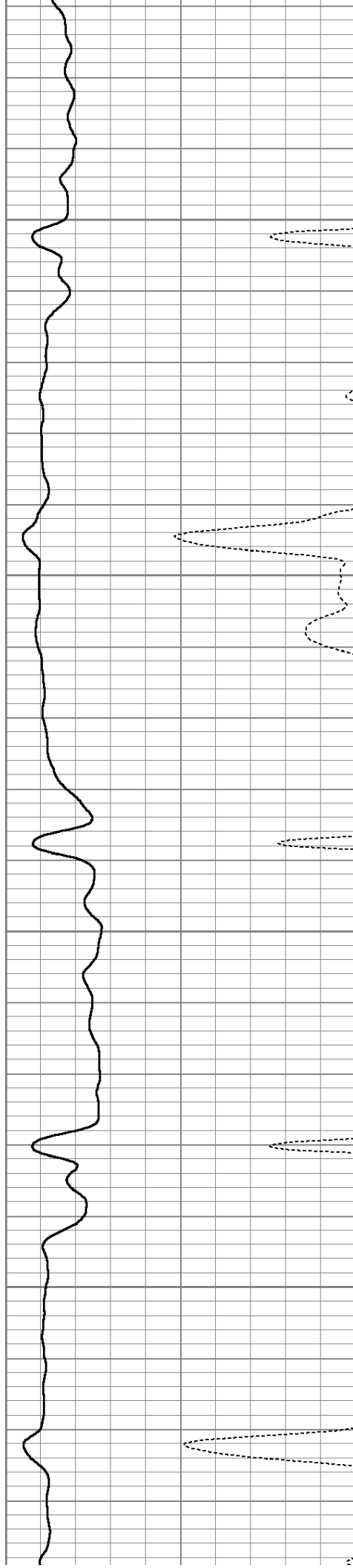


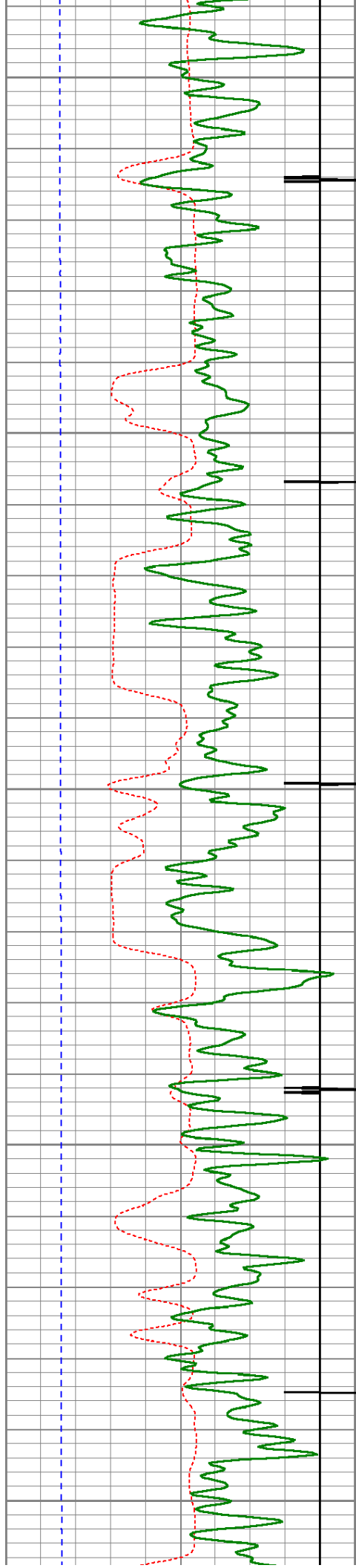
4600

4650

4700

4750





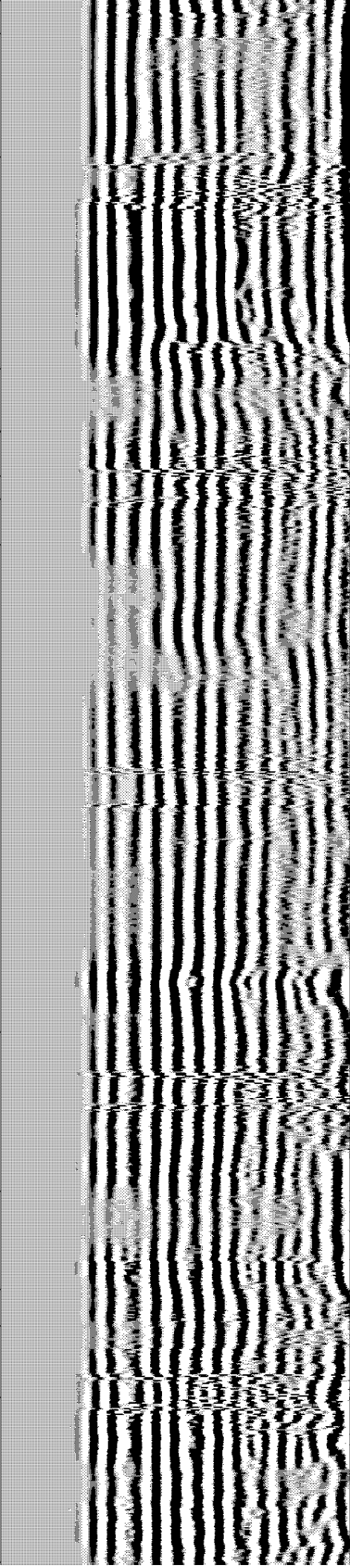
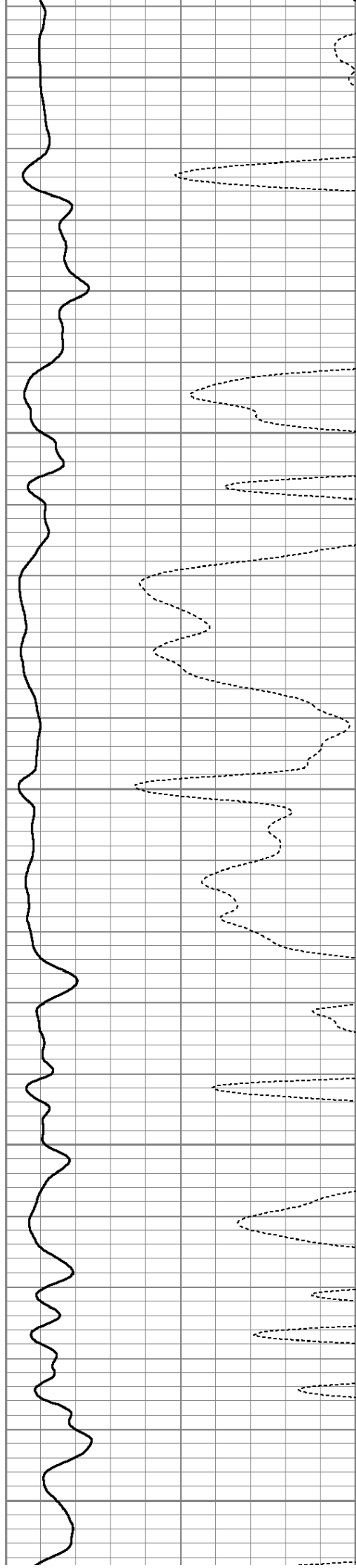
4800

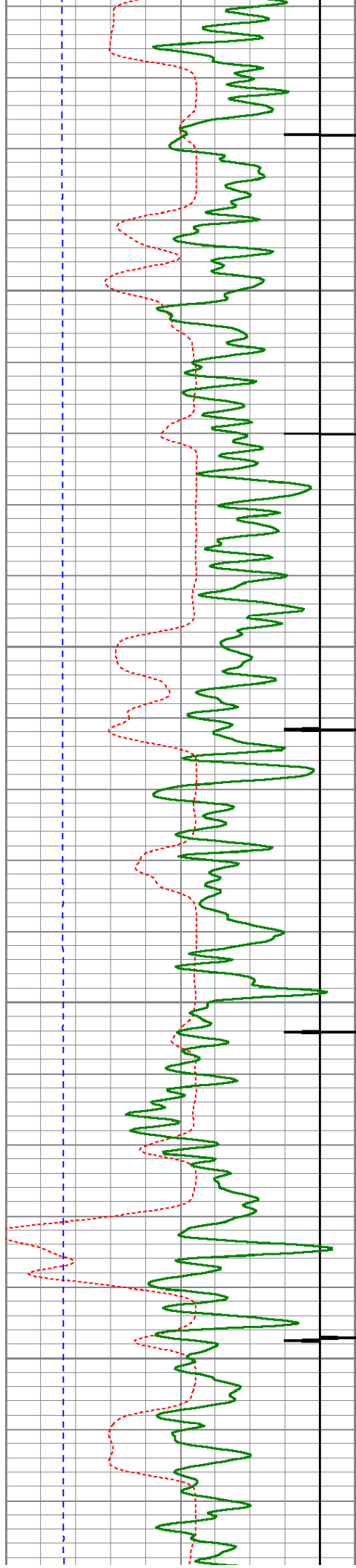
4850

4900

4950

5000



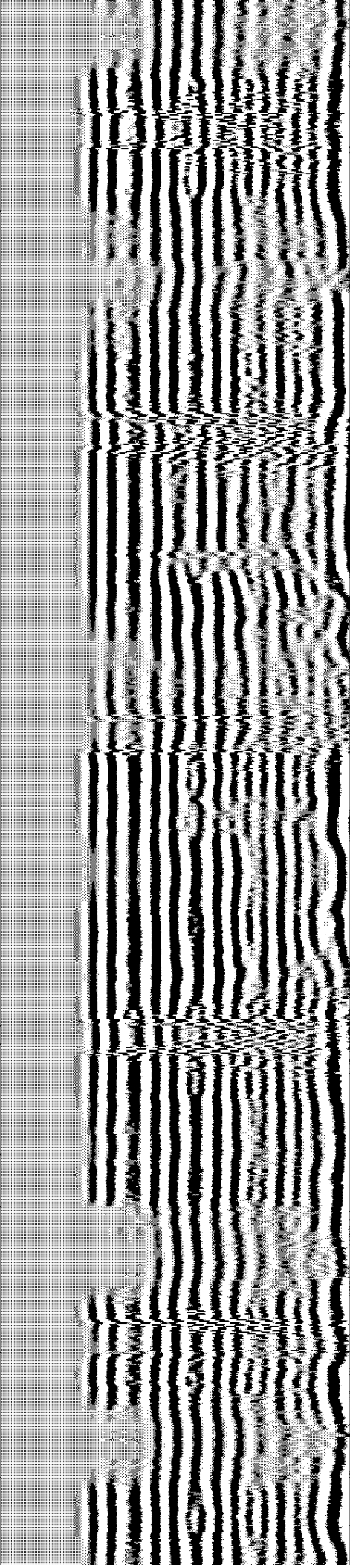
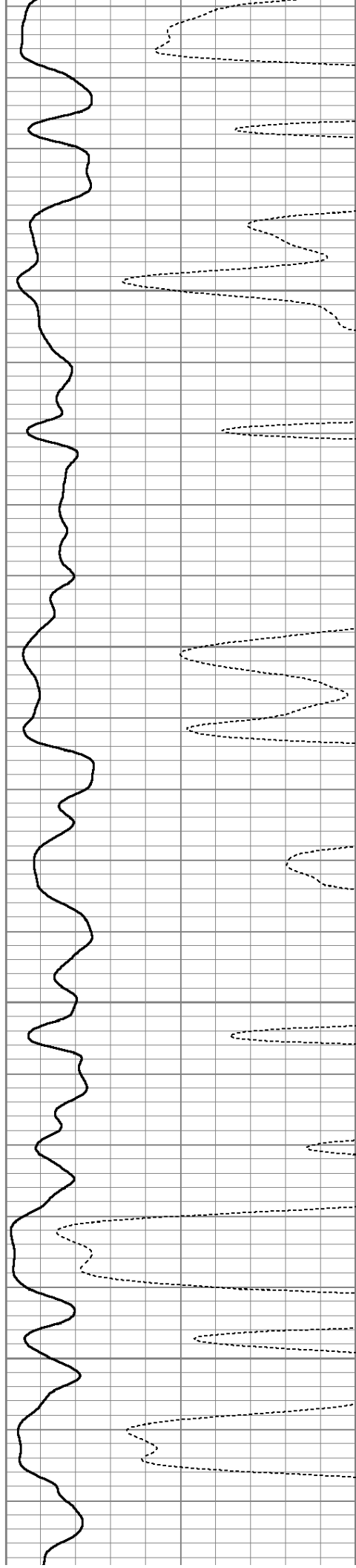


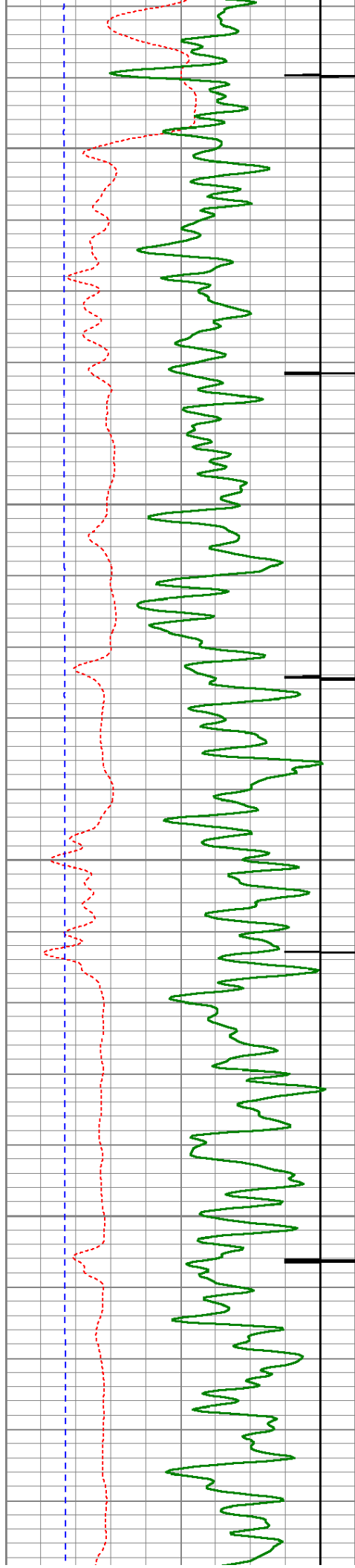
5050

5100

5150

5200



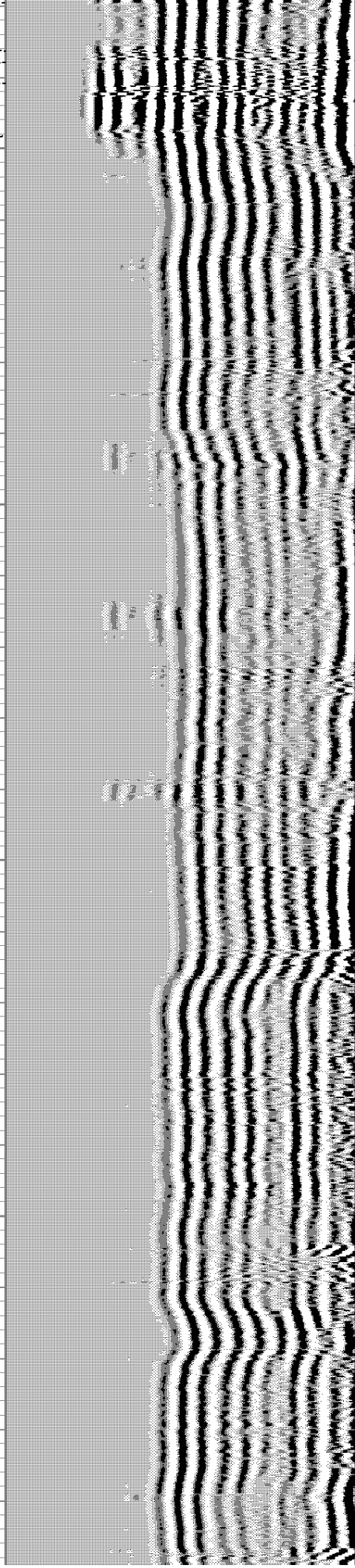
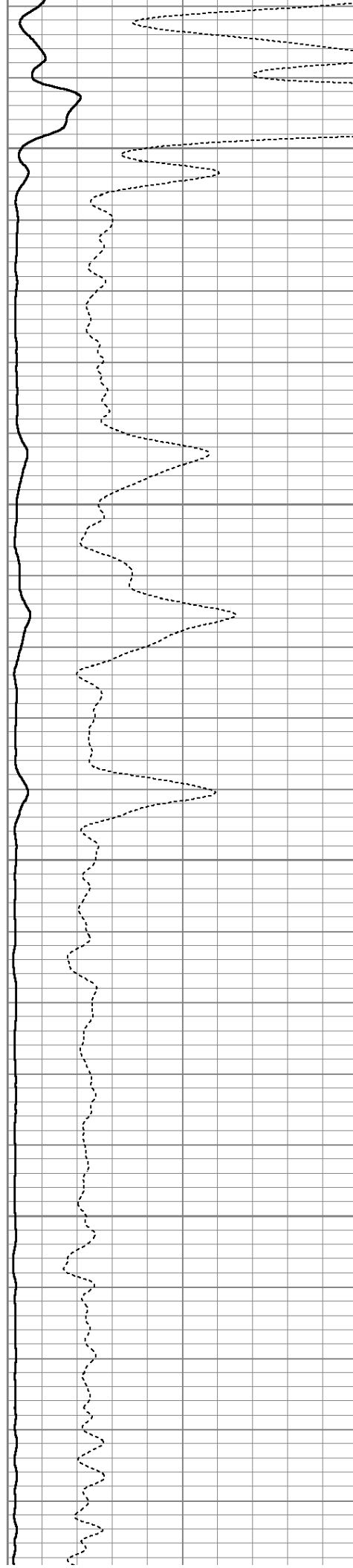


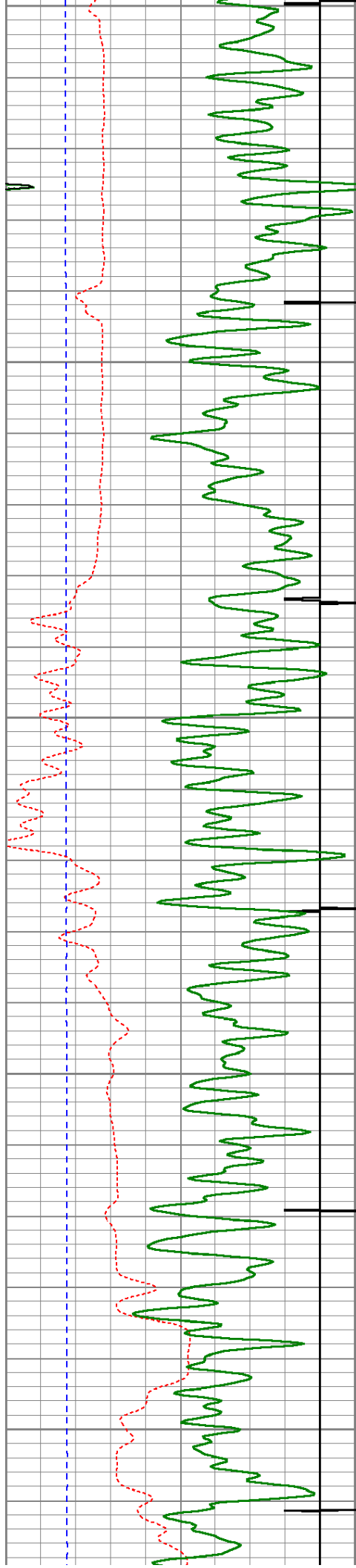
5250

5300

5350

5400





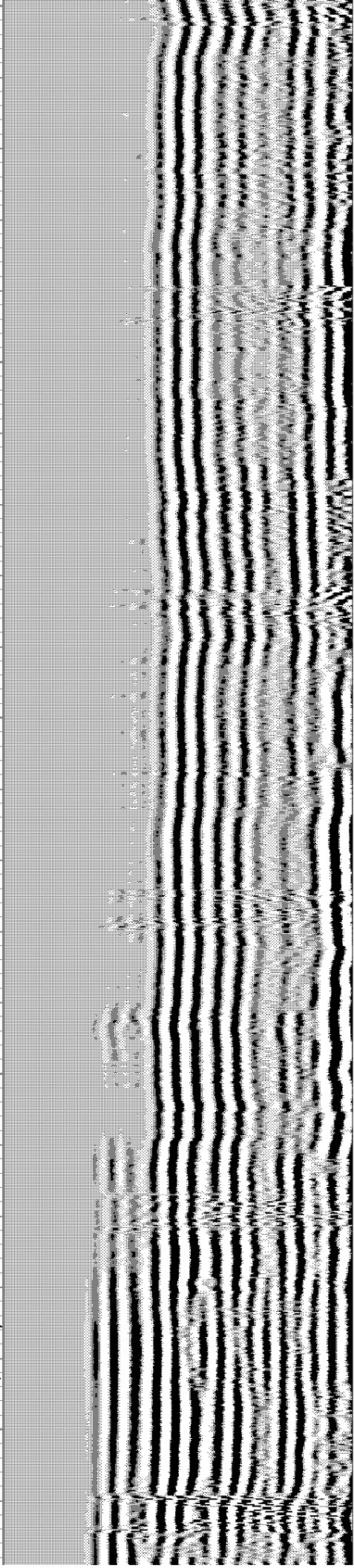
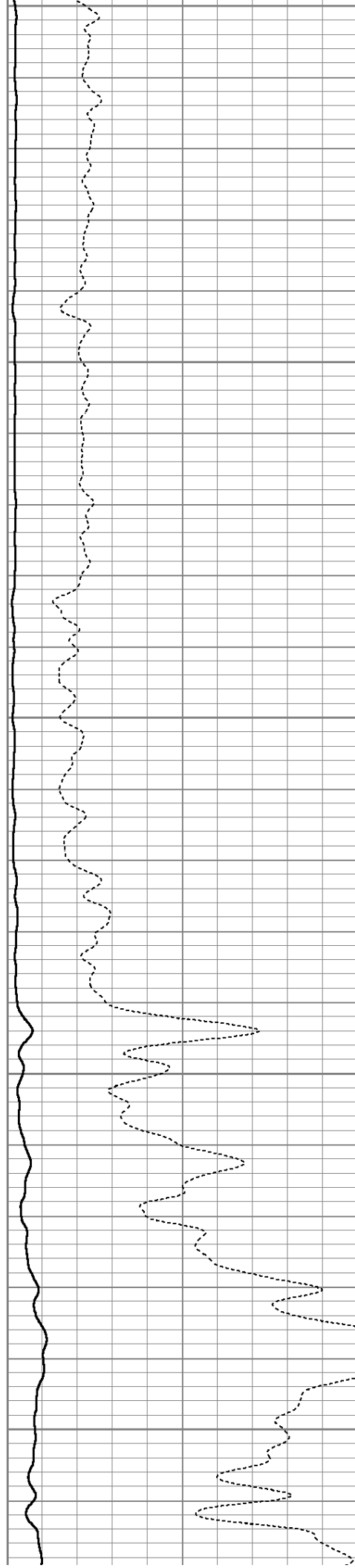
5450

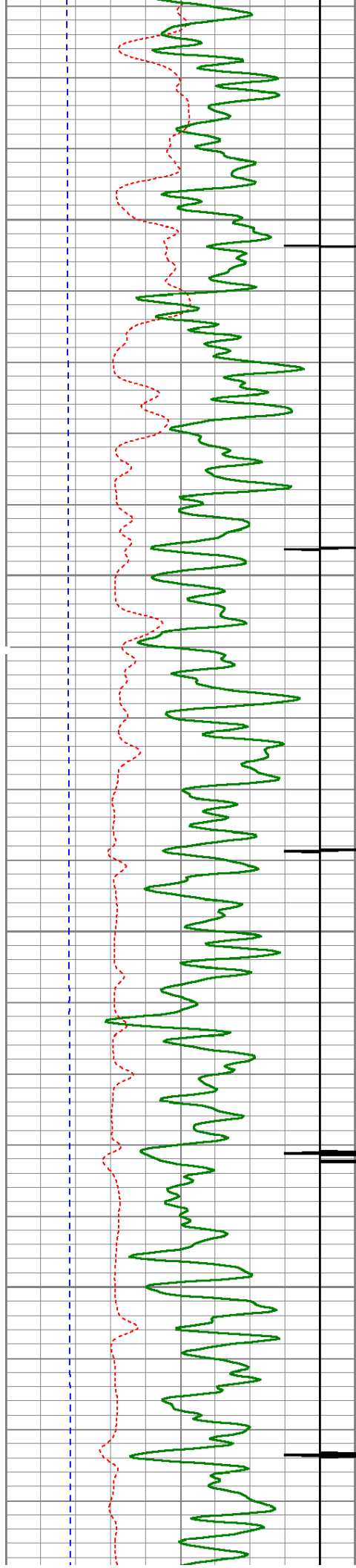
5500

5550

5600

5650



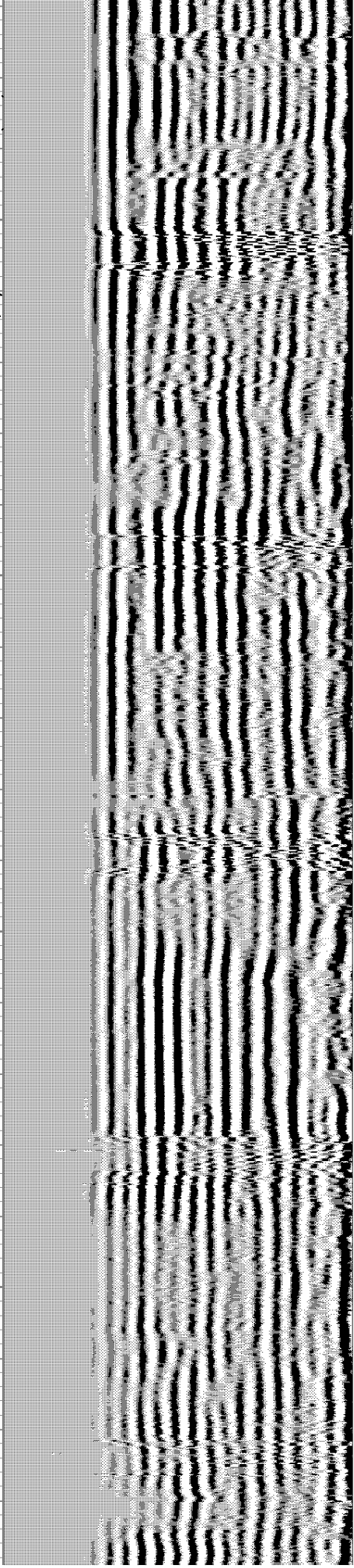
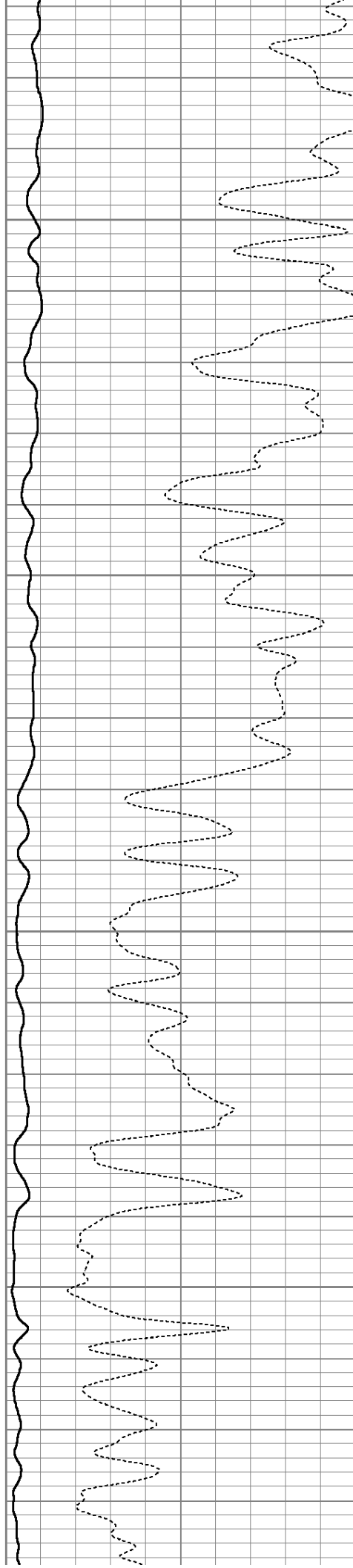


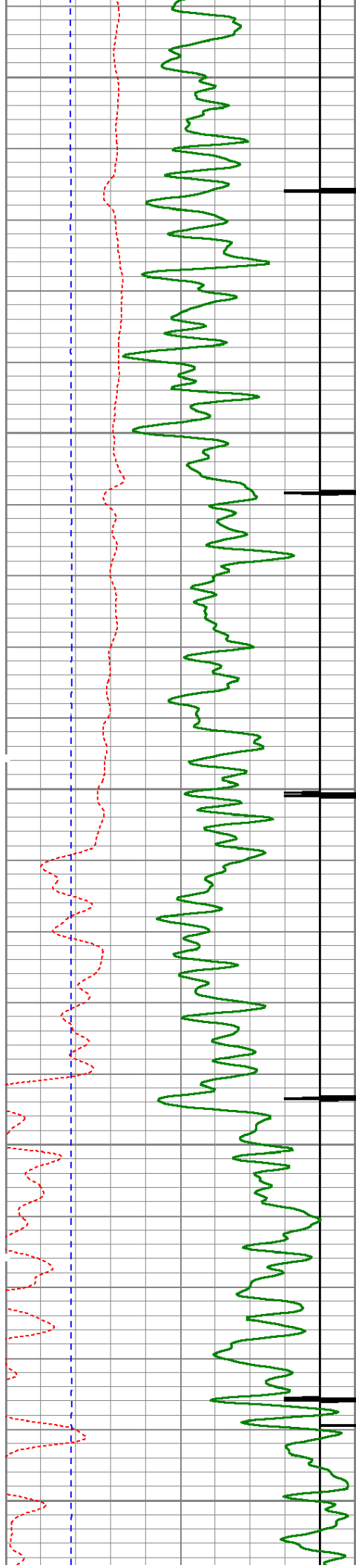
5700

5750

5800

5850





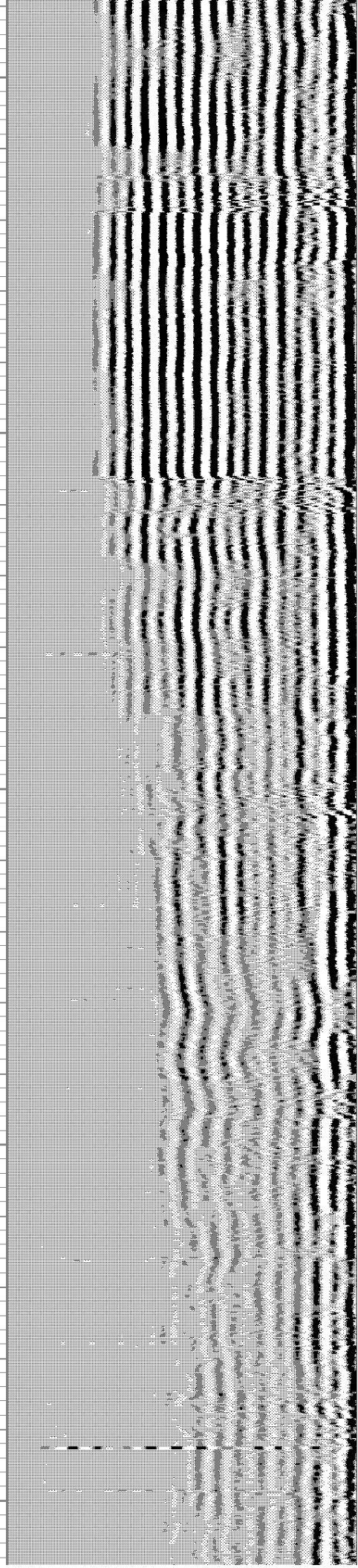
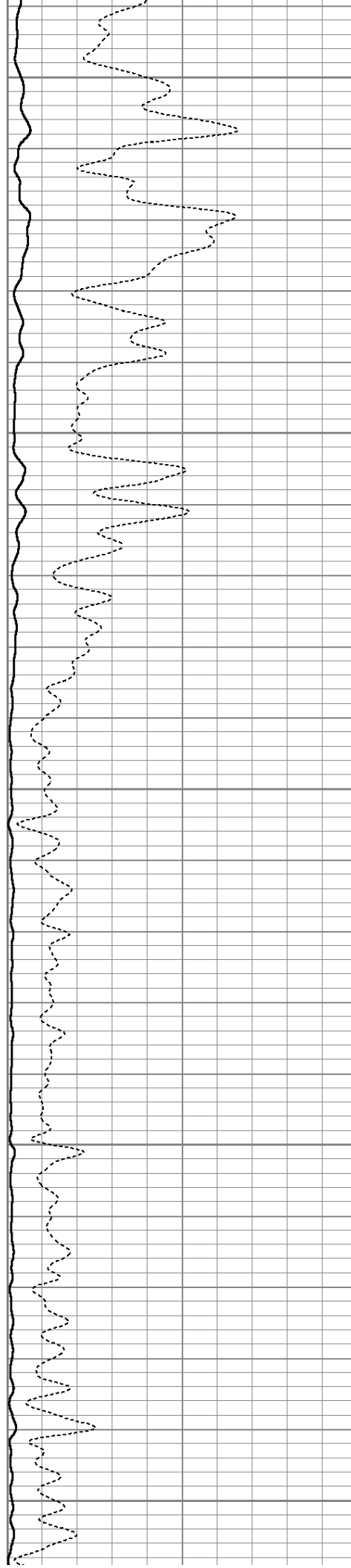
5900

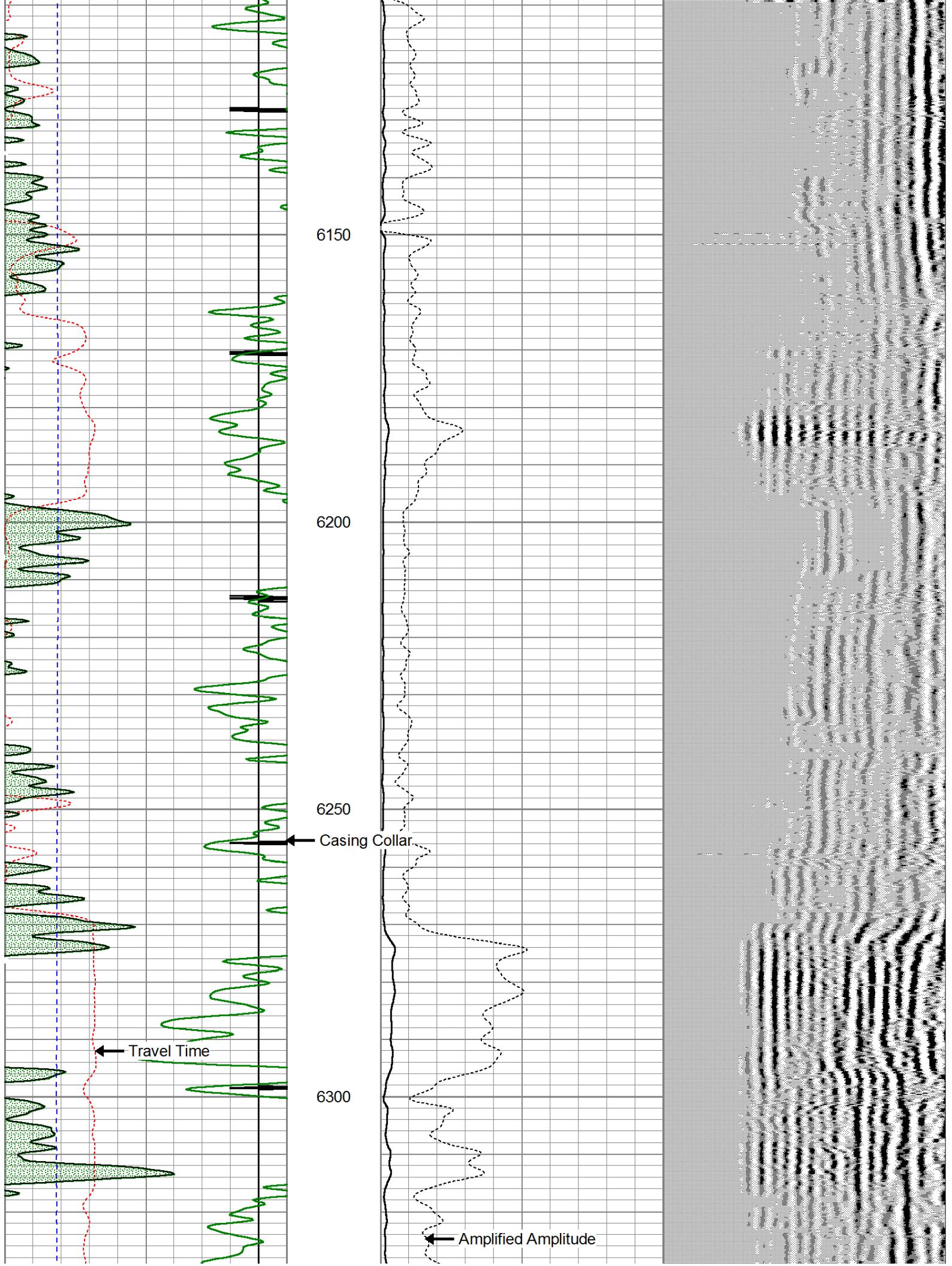
5950

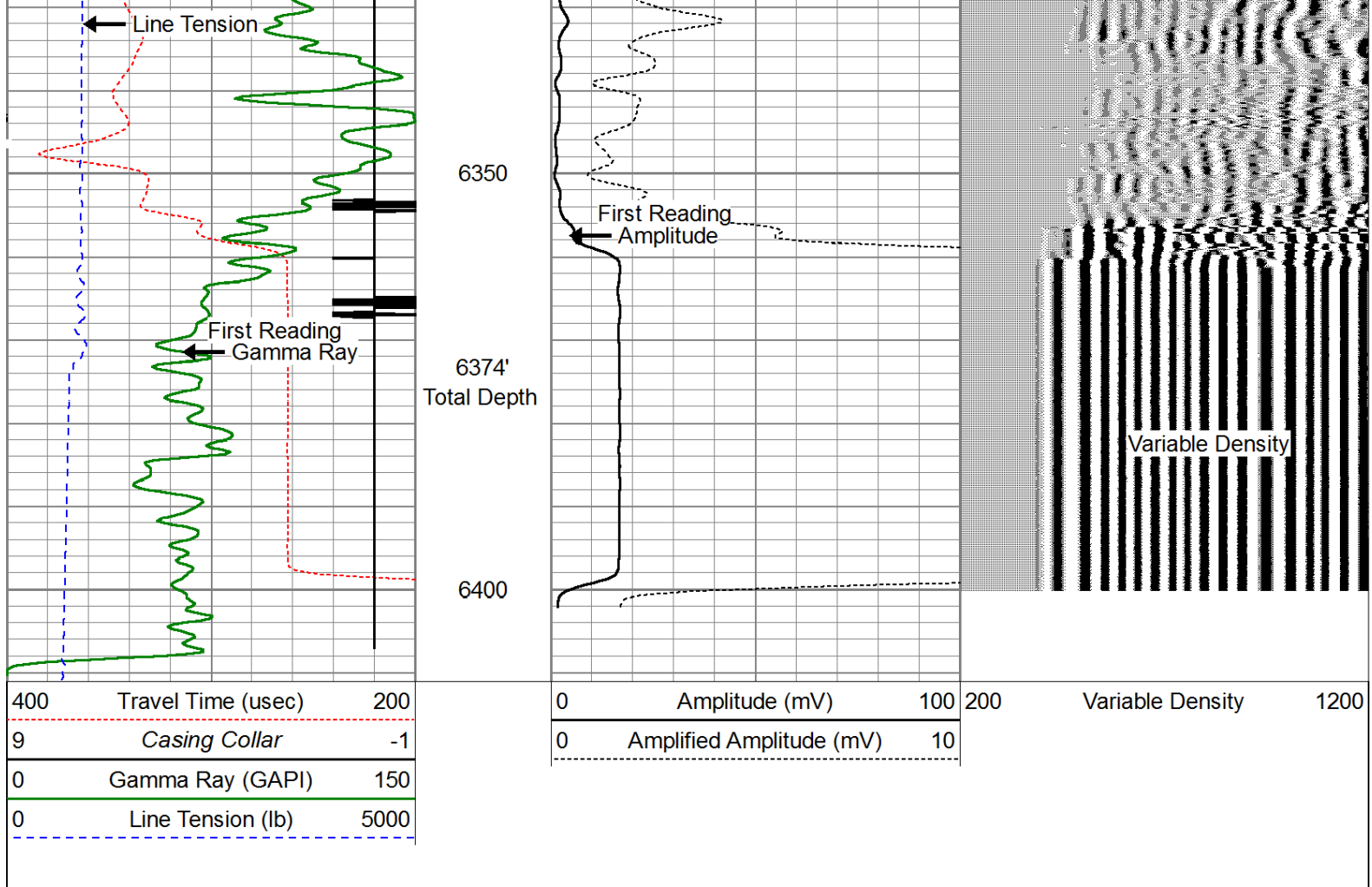
6000

6050

6100

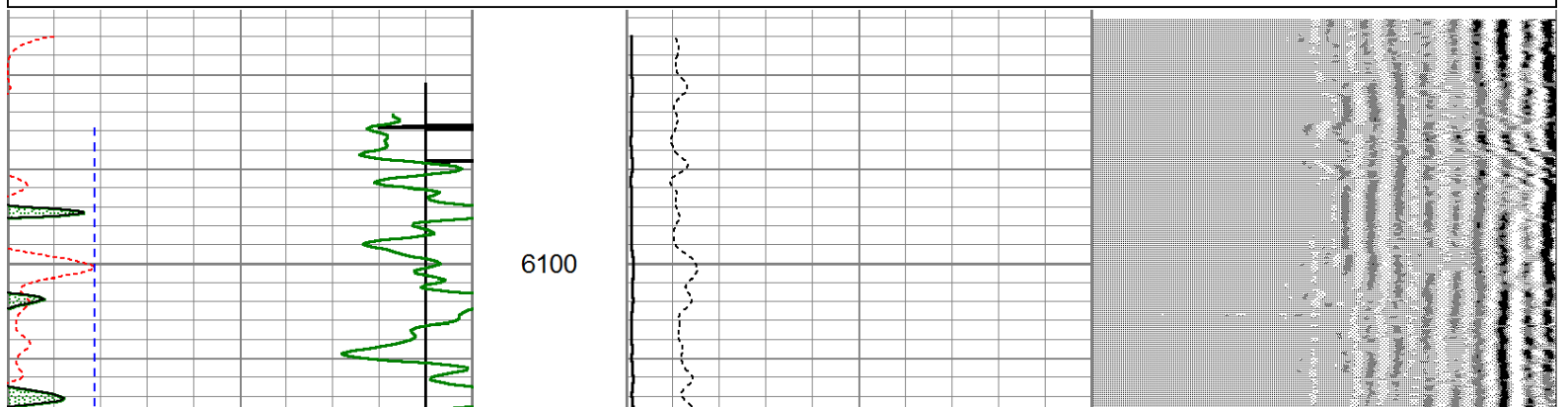
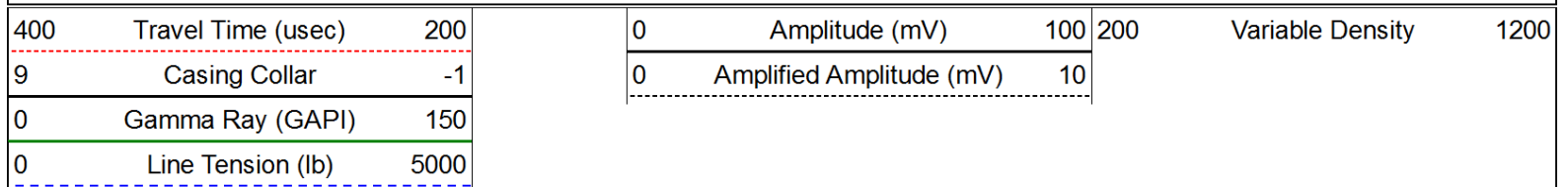


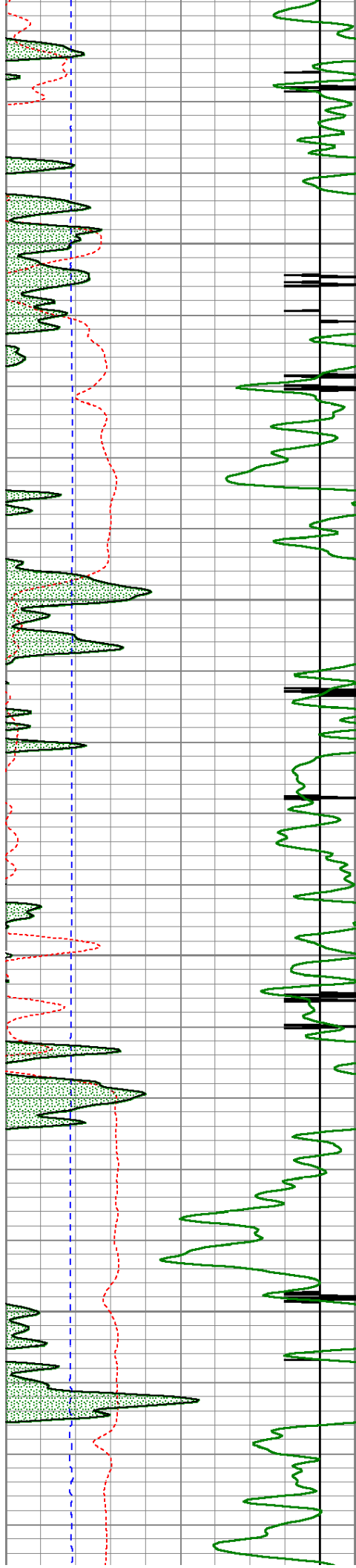




Repeat Section (0 PSI)

Database File: bonanza creek state seventy holes t-p-6hnb_cbl.db
 Dataset Pathname: pass9
 Presentation Format: cblprobe
 Dataset Creation: Sat Oct 05 09:28:37 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240



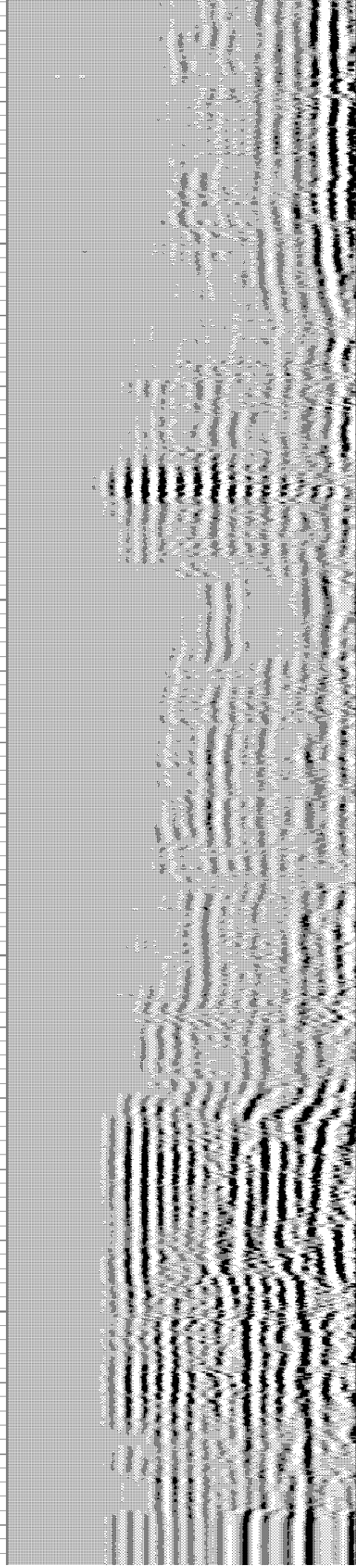
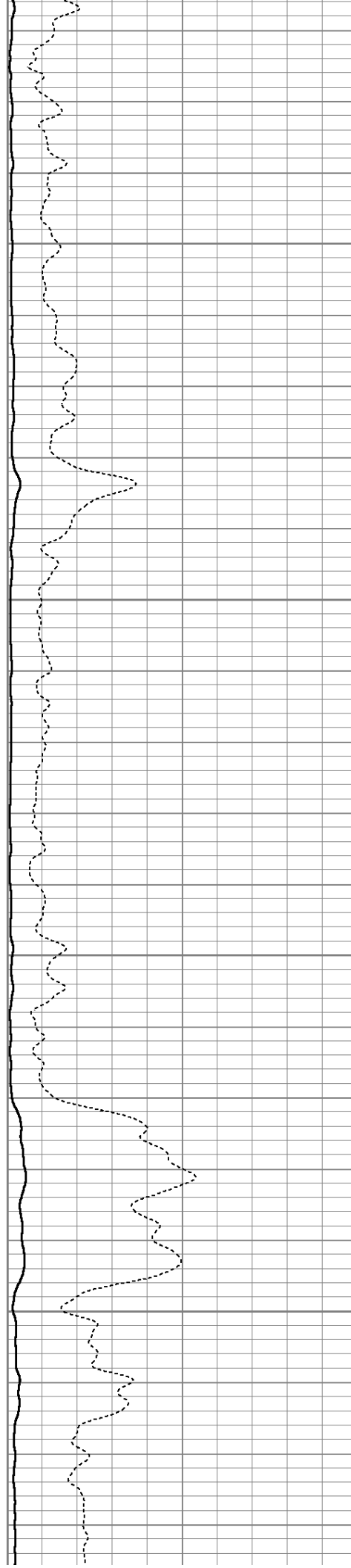


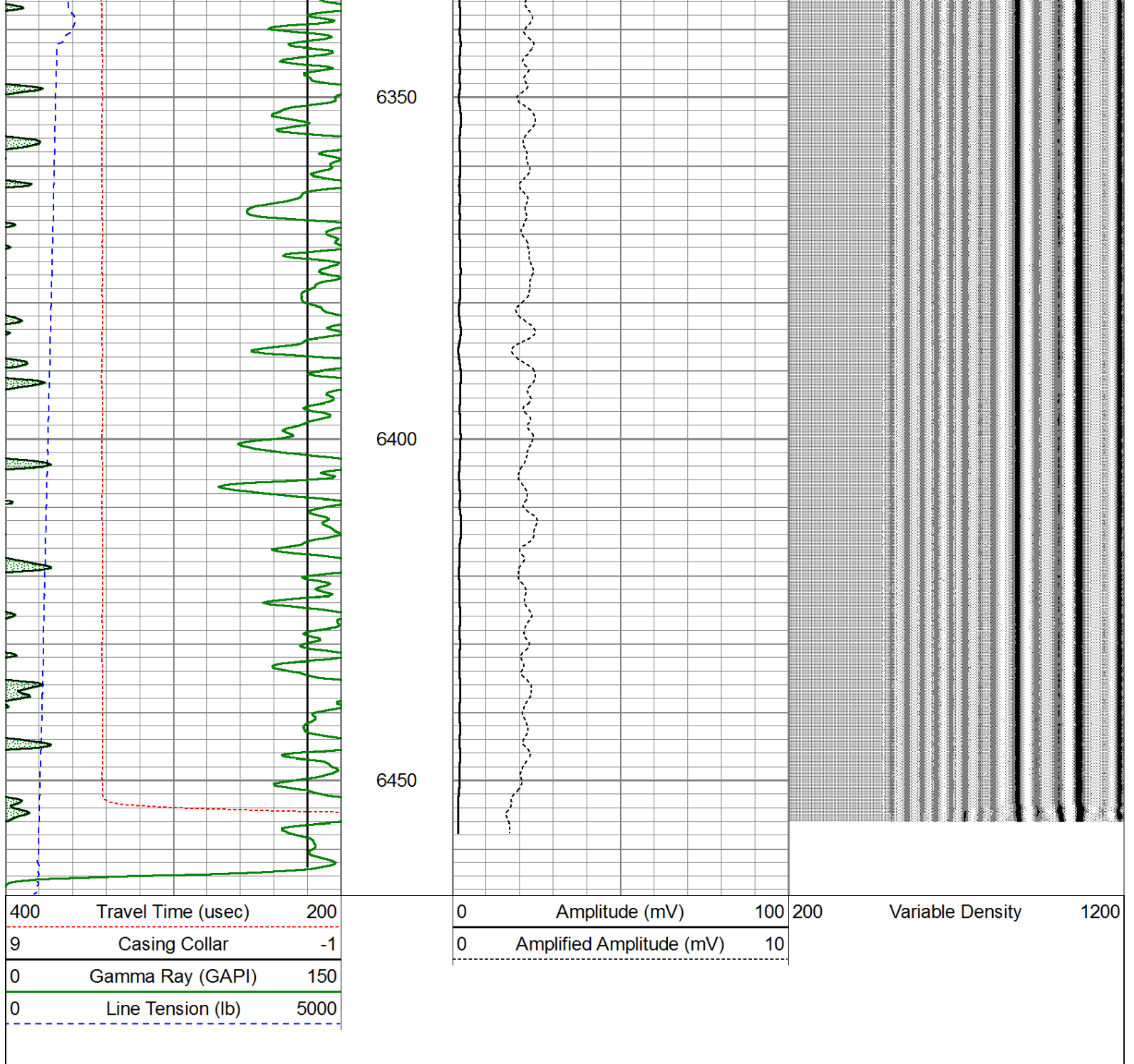
6150

6200

6250

6300





Calibration Report		
Database File:	bonanza creek state seventy holes t-p-6hnb_cbl.db	
Dataset Pathname:	pass12	
Dataset Creation:	Sat Oct 05 09:40:03 2013 by Log SCH 120126	
Gamma Ray Calibration Report		
Serial Number:	110108-Dig	
Tool Model:	Probe275	
Performed:	Wed Jul 10 19:14:22 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8500	GAPI/cps

Temperature Calibration Report

Serial Number: 110108-Dig
Tool Model: Probe275
Performed: Sun Sep 29 11:21:21 2013

	Reference	Reading
Low Reference:	0.00 degF	0.00 cps
High Reference:	1.00 degF	1.00 cps
Gain:	1.00	
Offset:	0.00	
Delta Spacing	1	

Segmented Cement Bond Log Calibration Report

Serial Number: 101224
Tool Model: Probe

Calibration Casing Diameter: 7.000 in
Calibration Depth: 3107.770 ft

Master Calibration, performed Sat Oct 05 10:21:13 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.007	0.629	1.000	62.165	98.664	1.689
CAL	-0.016	1.131				
5'	-0.010	0.538	1.000	62.165	111.571	2.171
SUM						
S1	-0.001	0.674	0.000	100.000	148.124	0.170
S2	-0.007	0.638	0.000	100.000	155.122	1.085
S3	-0.011	0.602	0.000	100.000	163.230	1.795
S4	-0.012	0.598	0.000	100.000	163.981	1.892
S5	-0.012	0.599	0.000	100.000	163.706	1.970
S6	-0.011	0.614	0.000	100.000	159.757	1.835
S7	-0.014	0.646	0.000	100.000	151.496	2.069
S8	-0.011	0.643	0.000	100.000	152.867	1.638

Internal Reference Calibration, performed Wed Jul 10 20:06:34 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.016	1.131	1.000	0.000

Air Zero Calibration, performed Sat Oct 05 08:30:48 2013:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	-0.007	0.000	0.000
5'	-0.007	0.000	-0.003
SUM			
S1	0.007	0.000	-0.008
S2	-0.004	0.000	-0.003
S3	-0.008	0.000	-0.003
S4	-0.006	0.000	-0.006
S5	-0.007	0.000	-0.006
S6	-0.007	0.000	-0.005
S7	-0.007	0.000	-0.006
S8	0.007	0.000	0.004

Total Weight:	197.00 lb
O.D.	2.75 in