



CEMENT BOND
VARIABLE DENSITY LOG
W/ GAMMA RAY/ CCL

Company	Bonanza Creek Energy	Company	Bonanza Creek Energy
Well	State North Platte F-J-36HNB	Well	State North Platte F-J-36HNB
Field	Wattenberg	Field	Wattenberg
County	Weld	County	Weld
State	Colorado	State	Colorado
Location:		API # : 05-123-33728	Other Services
SEC 36 TWP 5 N RGE 63 W		370' FNL & 521' FWL	
Permanent Datum	Ground Level	Elevation	4543'
Log Measured From	Kelly Bushing	15' APD	
Drilling Measured From	Kelly Bushing		
Elevation	K.B. 4558'	D.F. 4557'	G.L. 4543'
Date	October 4th, 2013		
Run Number	ONE		
Depth Driller	10821'		
Depth Logger	6255'		
Bottom Logged Interval	6243'		
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	1130		
Time Logger on Bottom	1220		
Equipment Number	12029CH		
Location	BRIGHTON		
Recorded By	R.Grisson		
Witnessed By	Kurt Dodge		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
ONE	13.5"	0	421'
TWO	8.75"	421'	6943'
THREE	6.125"	6943'	11018'
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	36	0
Prot. String			
Production String	7"	26	0
Liner	4.5"	11.6	6843'

<<< 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

Thank You for using Allied Wireline

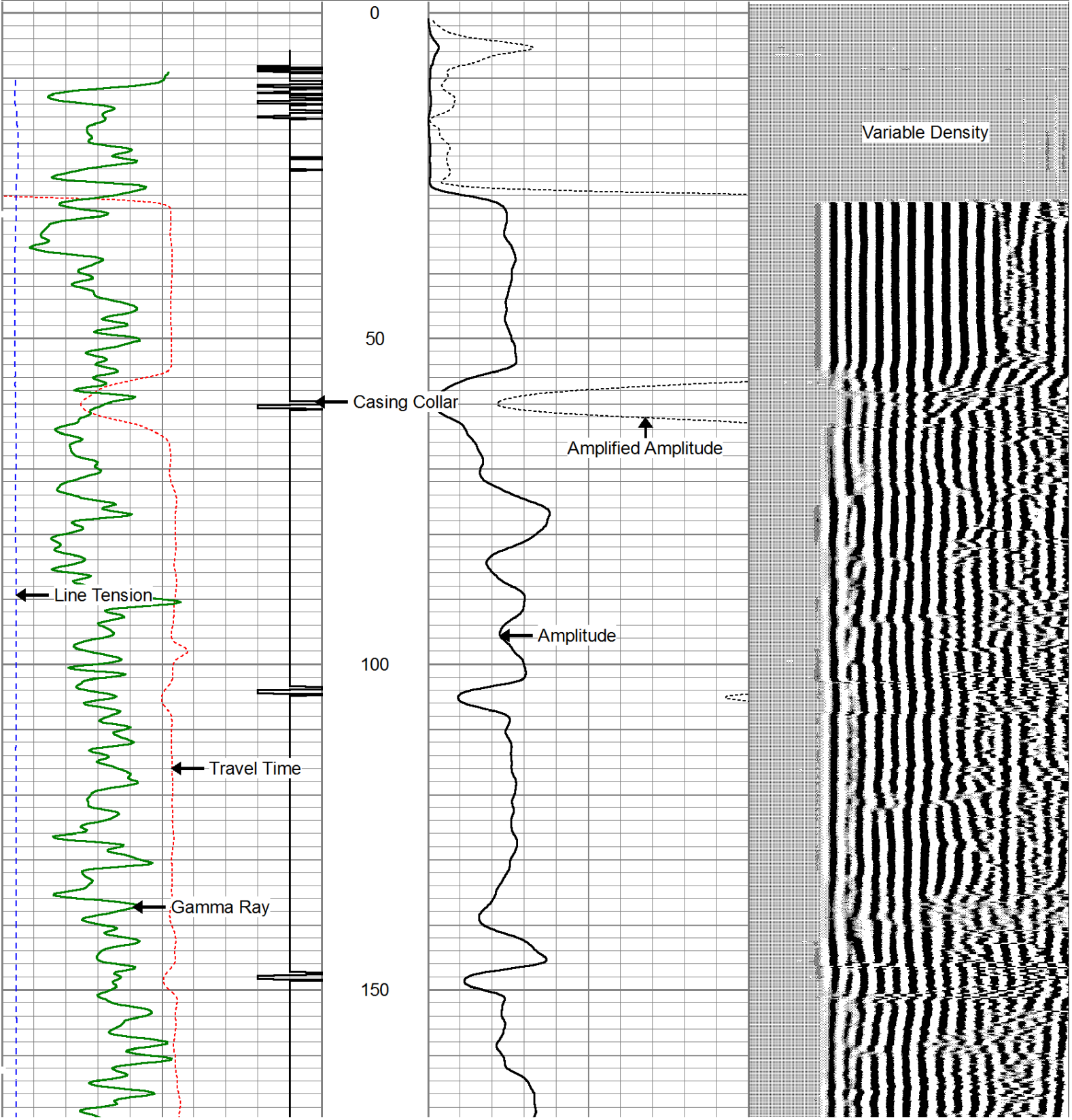
303.659.4609

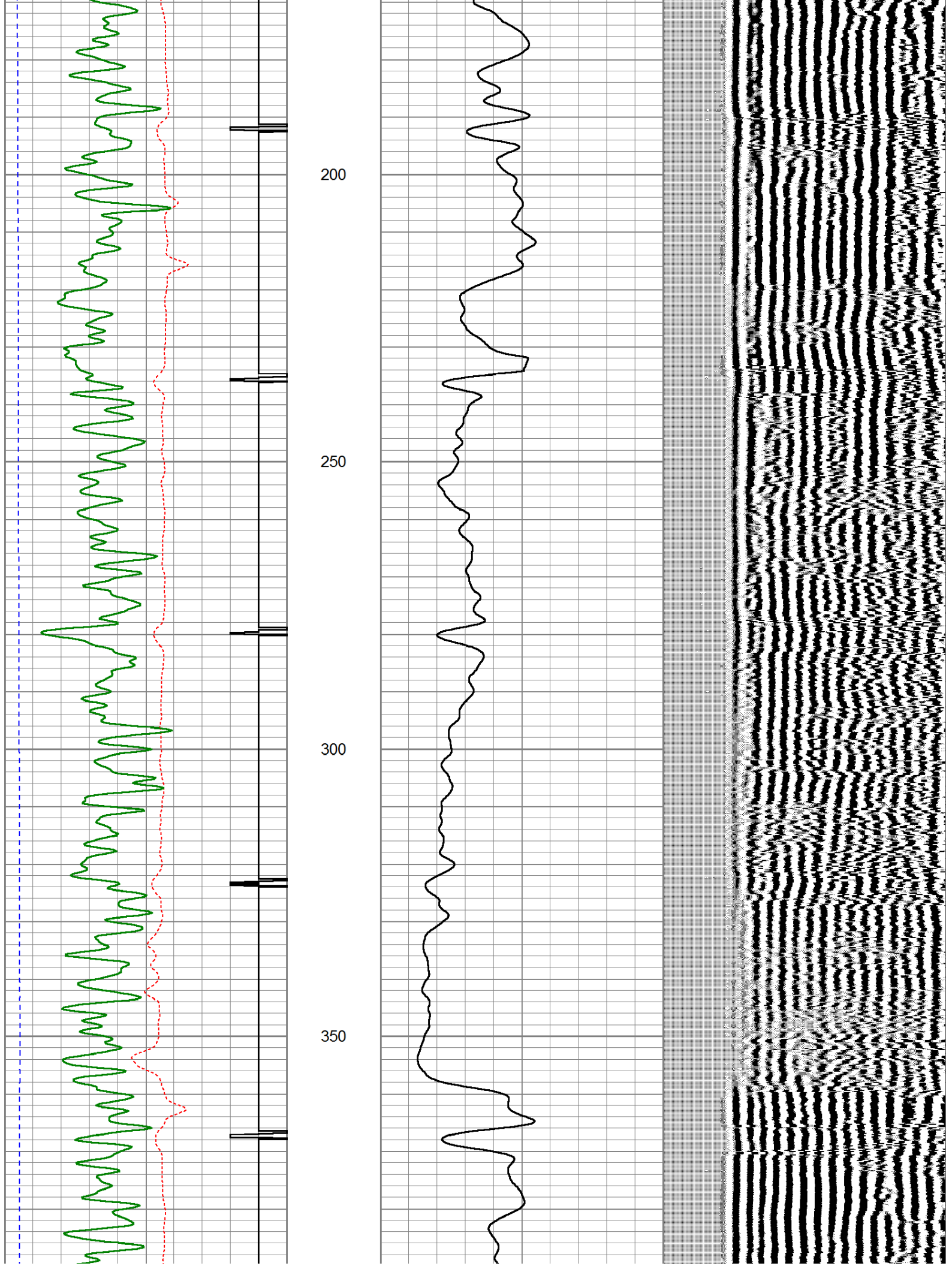


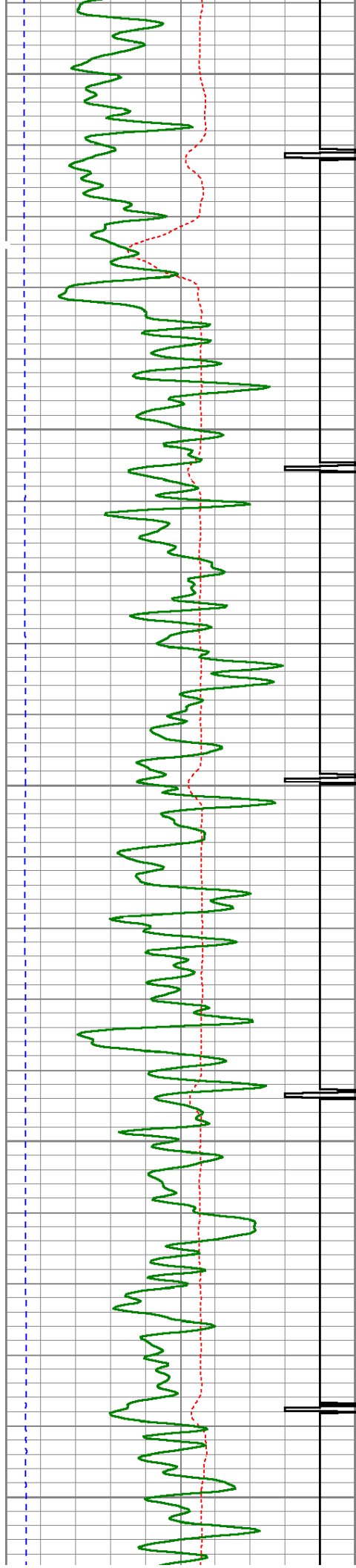
Main Pass (0 PSI)

Database File: bonanza creek state north platte f-j-36hnb_cbl.db
Dataset Pathname: pass5.5
Presentation Format: cblprobe
Dataset Creation: Sat Oct 05 10:23:41 2013 by Calc SCH 120126
Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	Amplitude (mV)	100	200	Variable Density	1200
9	Casing Collar	-1	0	Amplified Amplitude (mV)	10			
0	Gamma Ray (GAPI)	150						
0	Line Tension (lb)	5000						







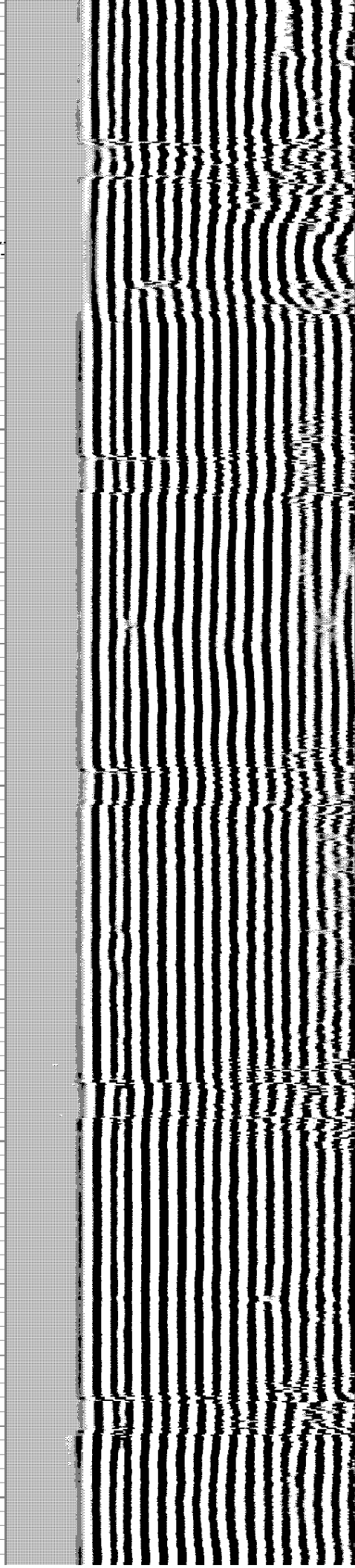
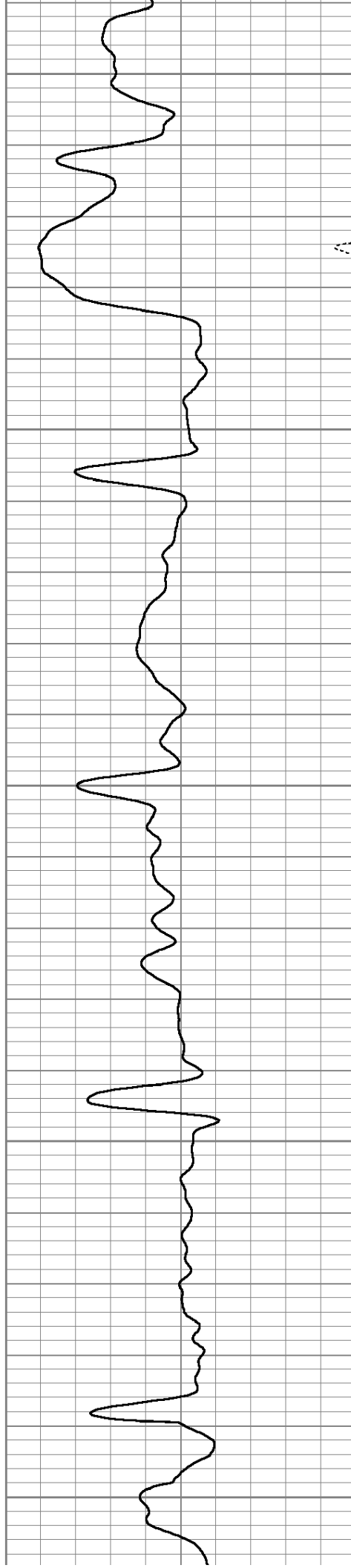
400

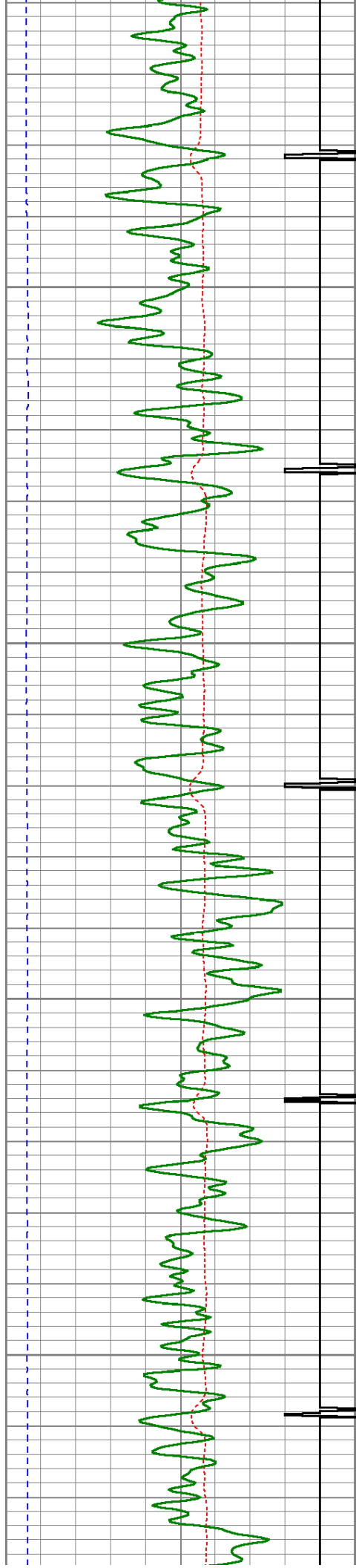
450

500

550

600



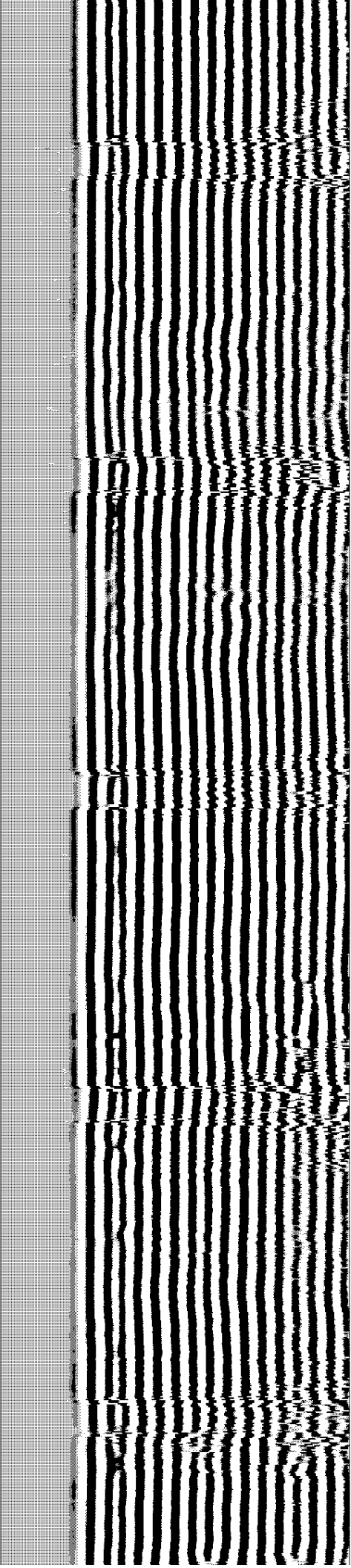
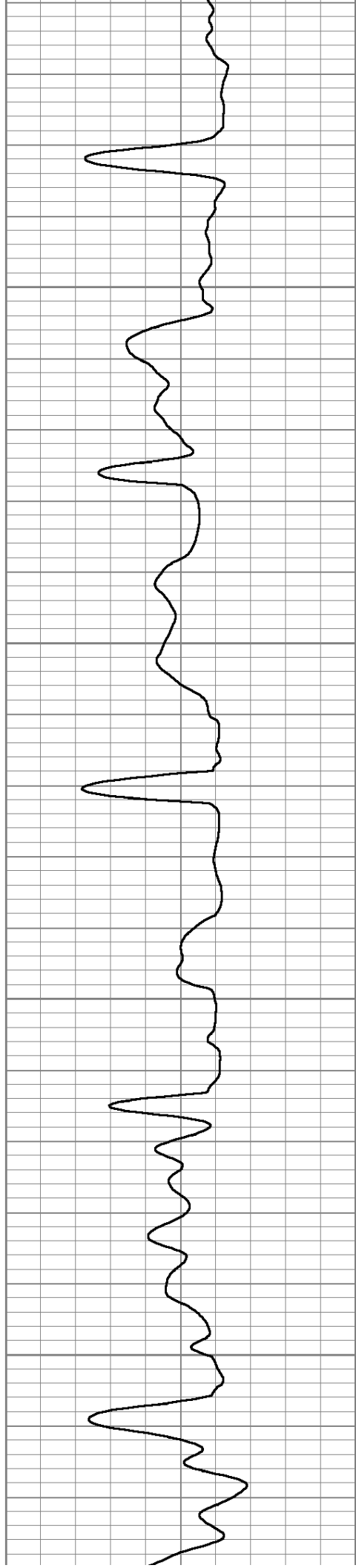


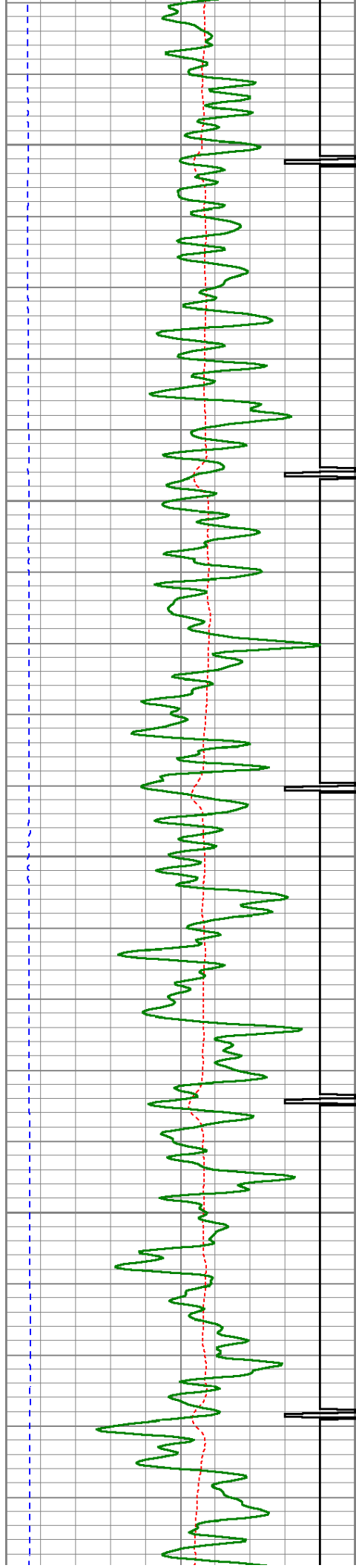
650

700

750

800





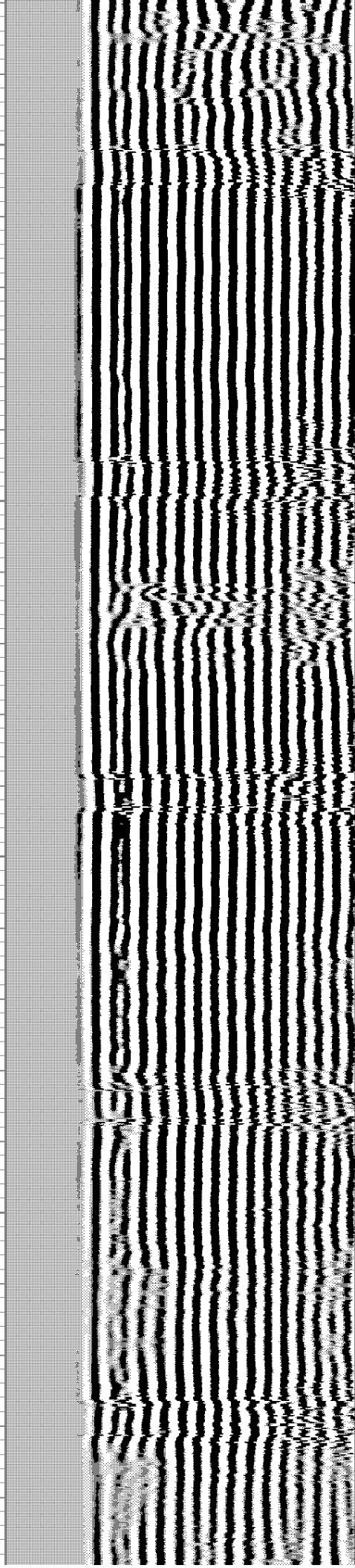
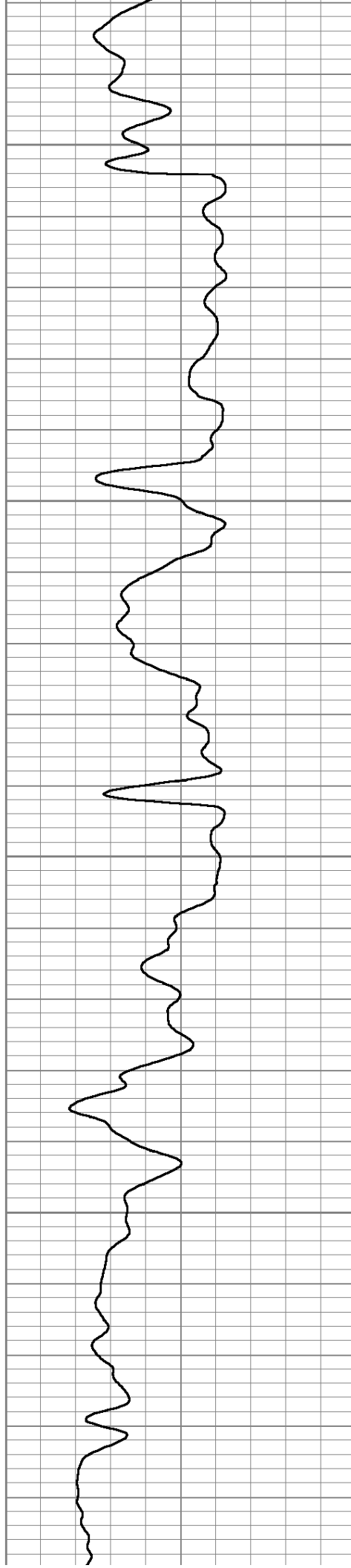
850

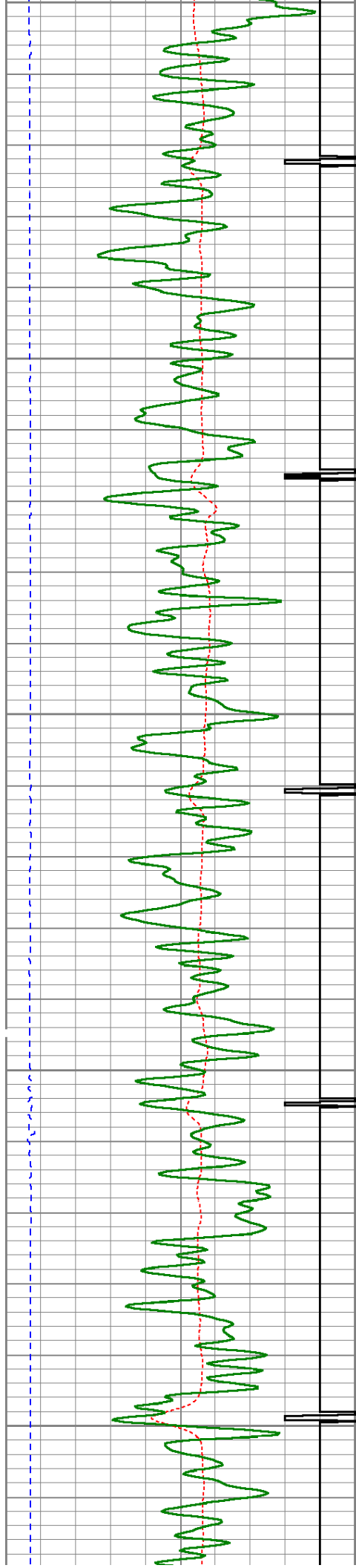
900

950

1000

1050





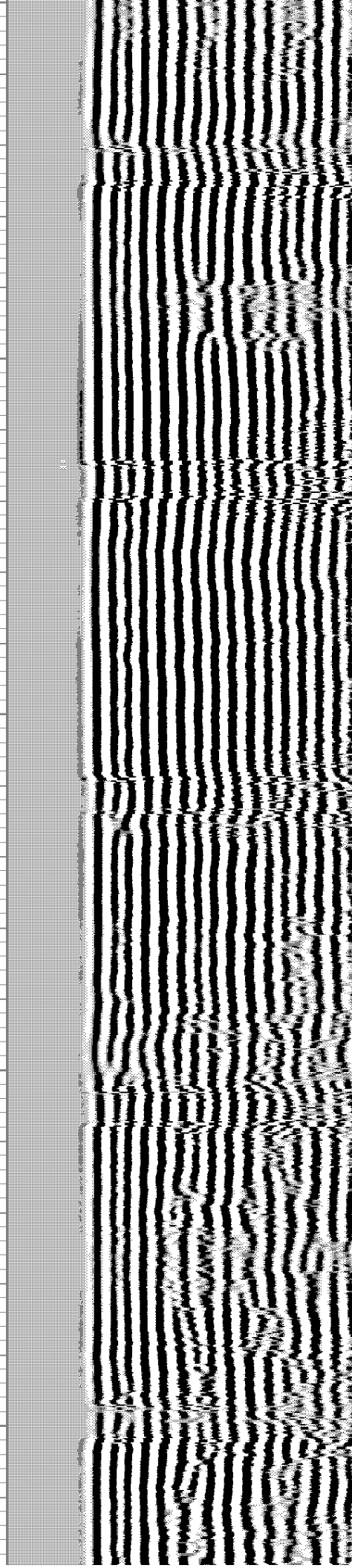
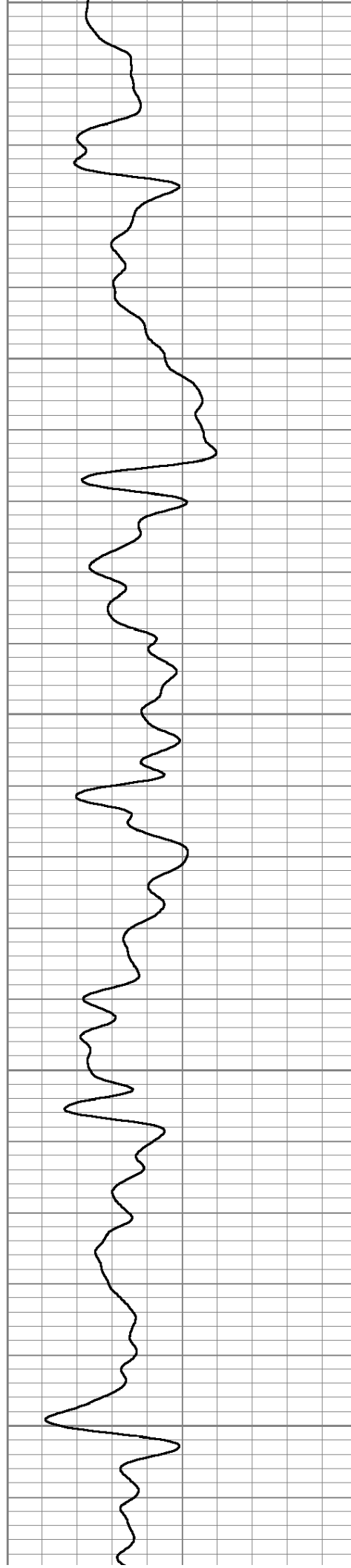
1050

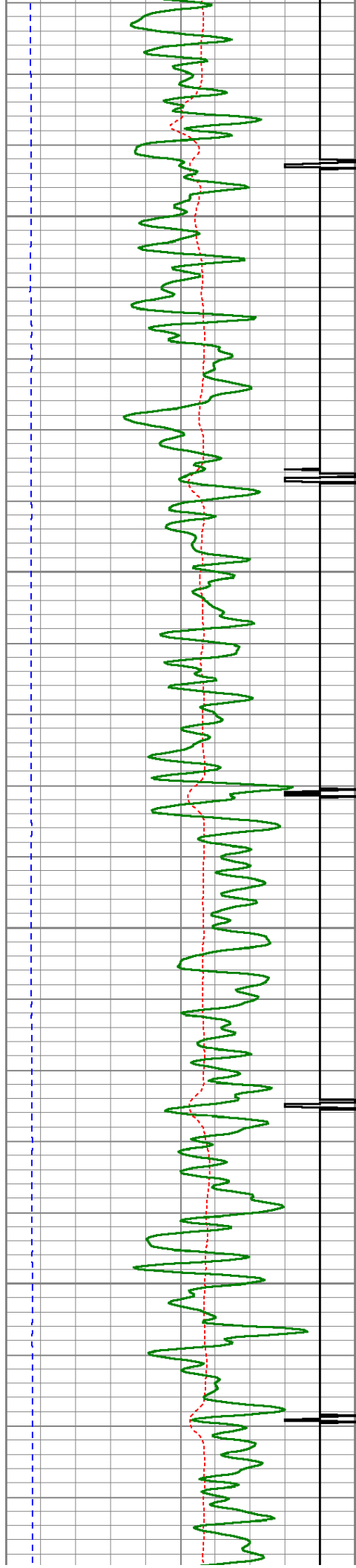
1100

1150

1200

1250



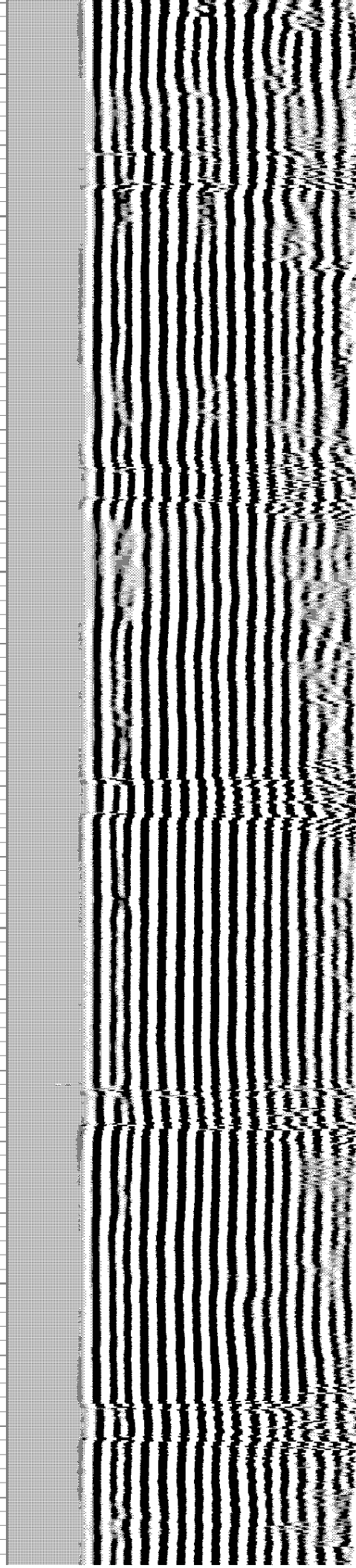
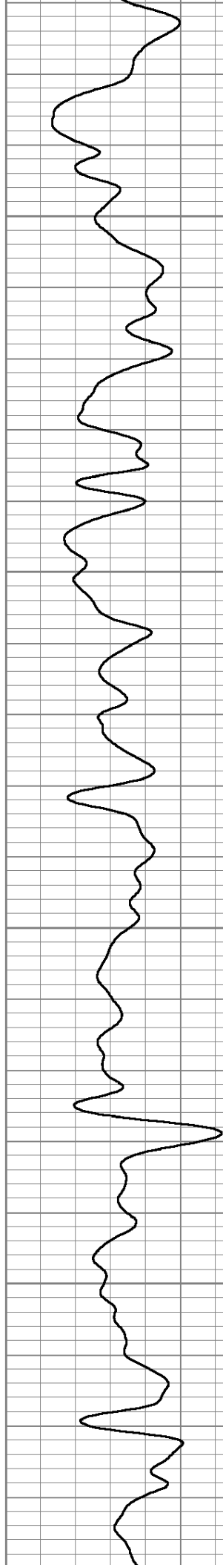


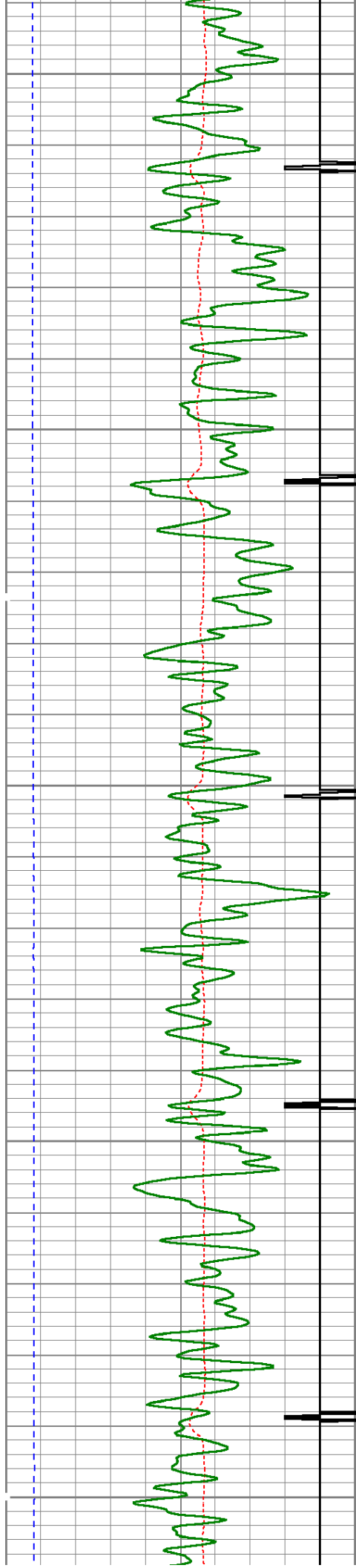
1300

1350

1400

1450





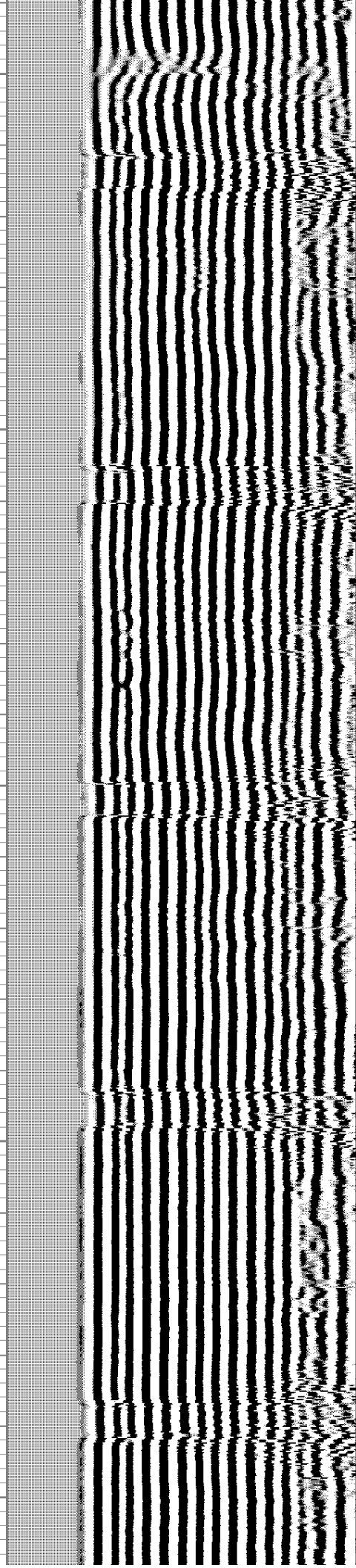
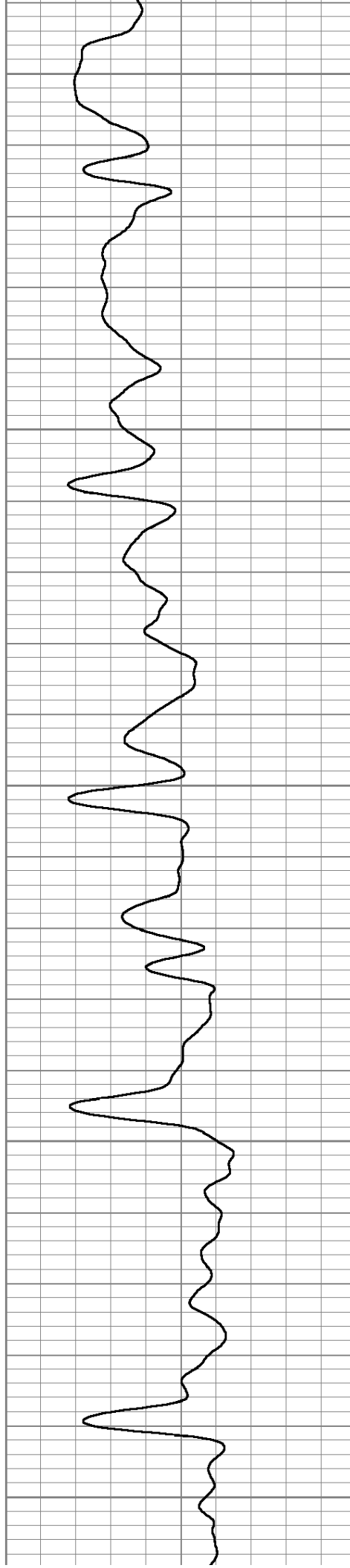
1500

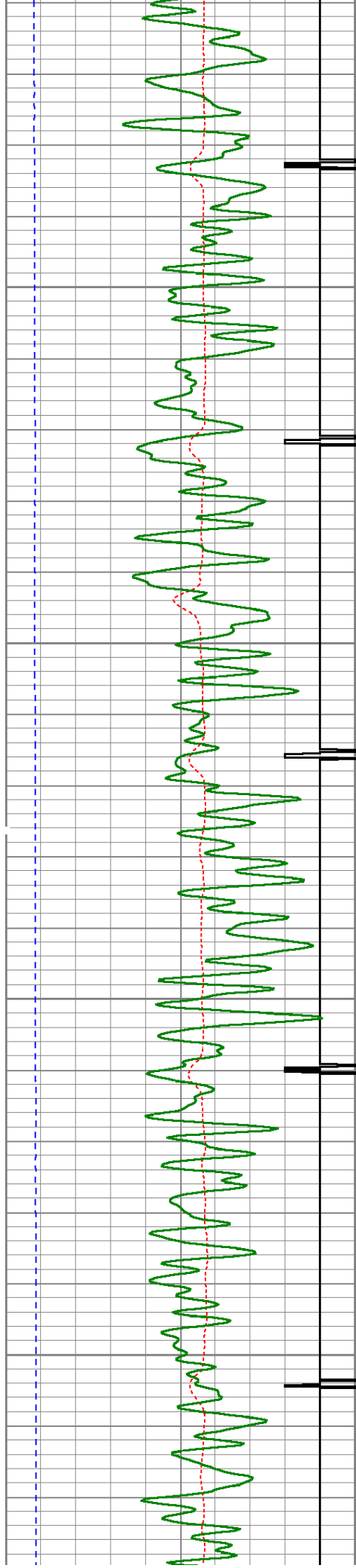
1550

1600

1650

1700



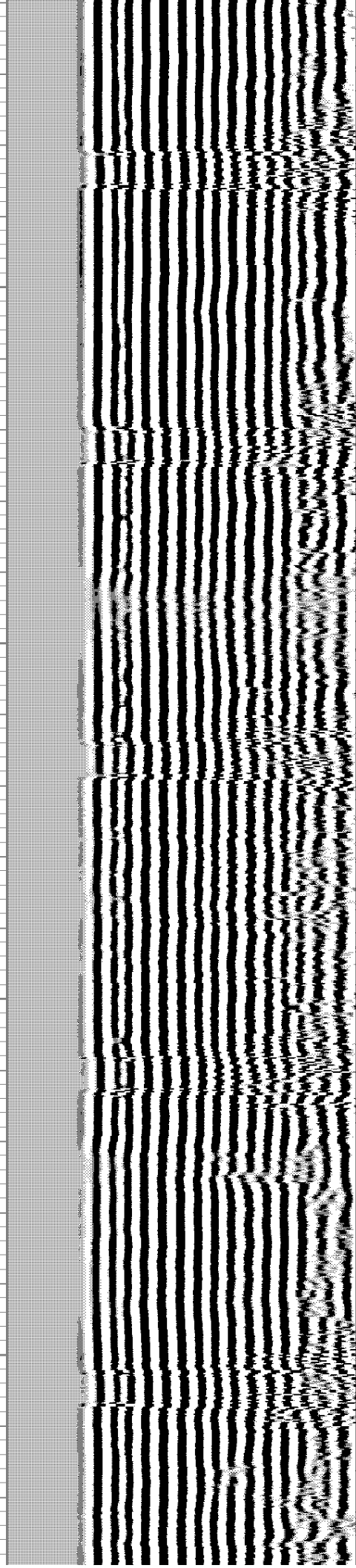
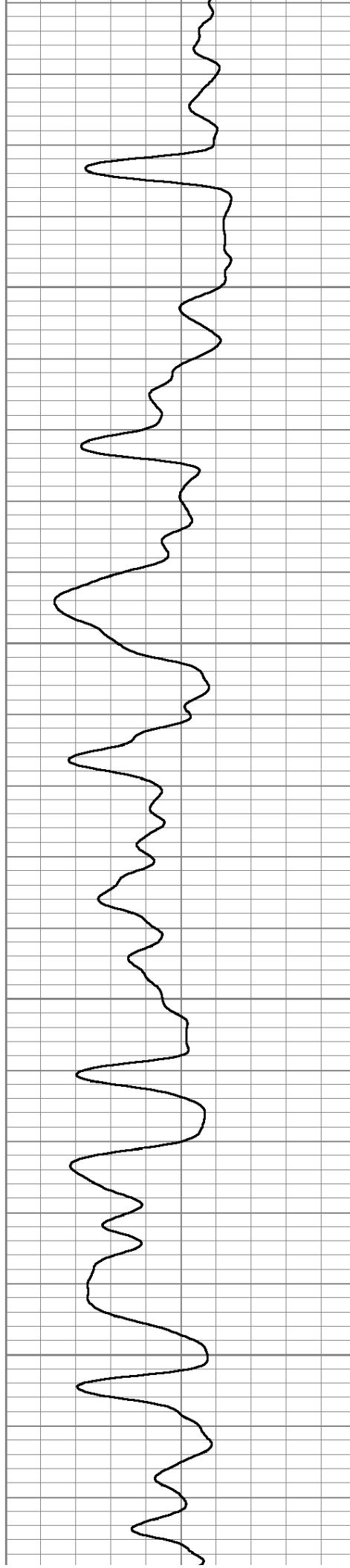


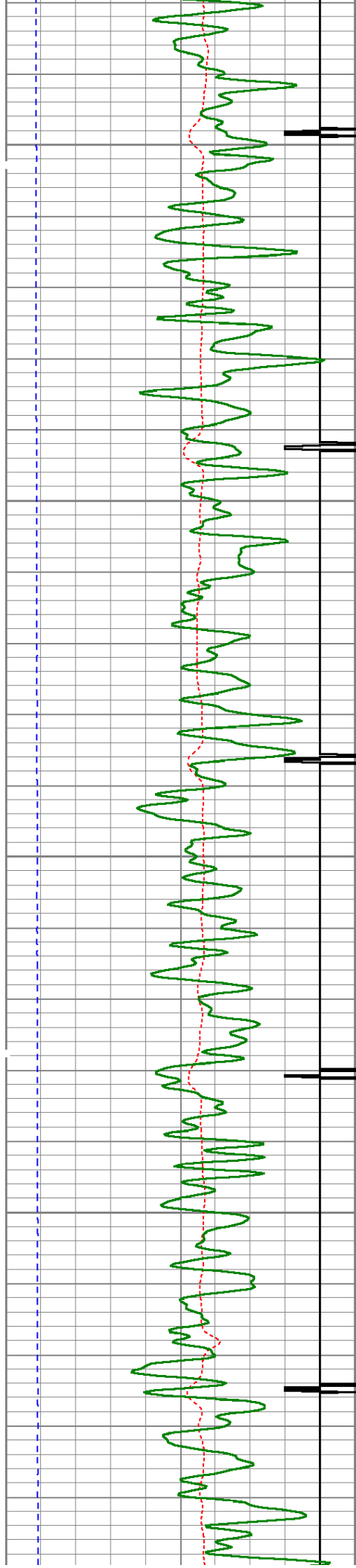
1750

1800

1850

1900





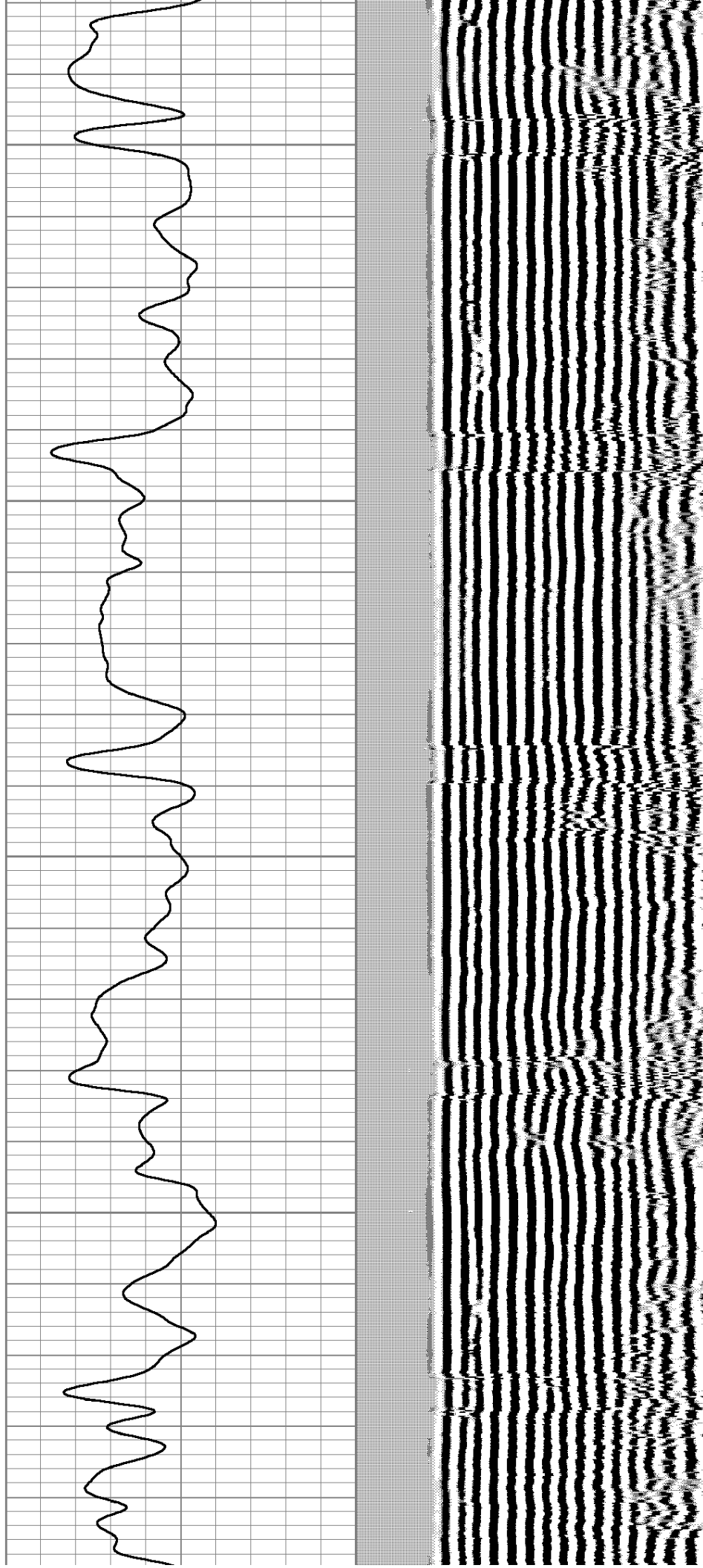
1950

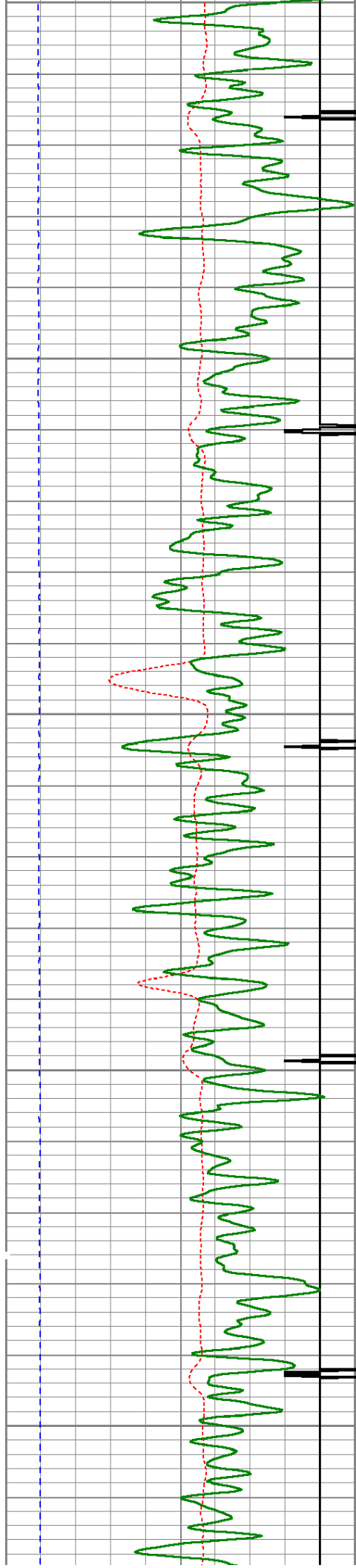
2000

2050

2100

3450





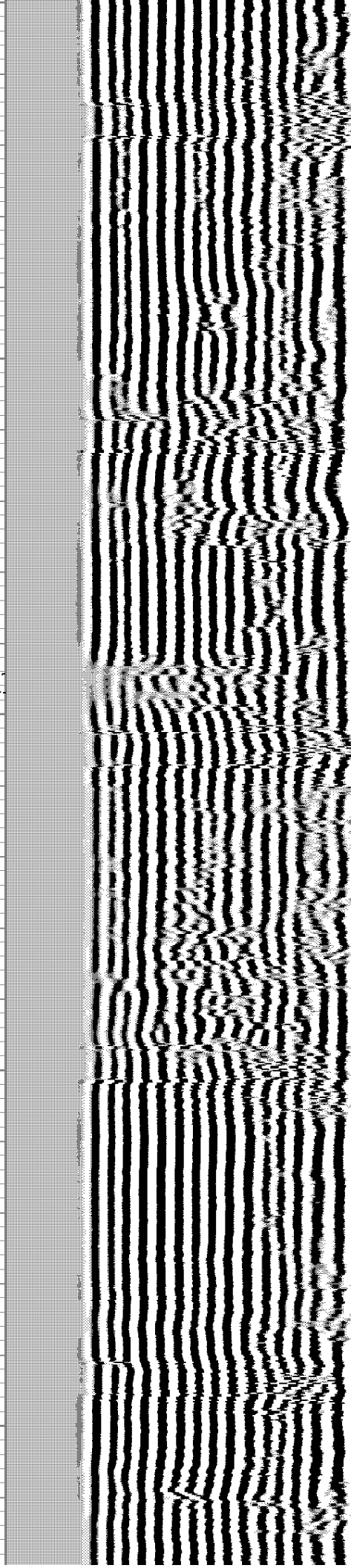
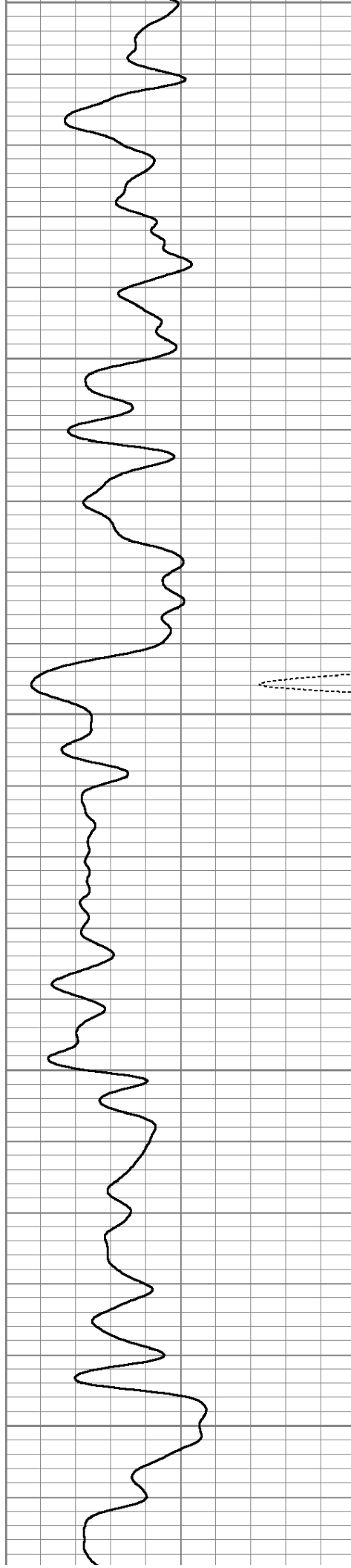
2150

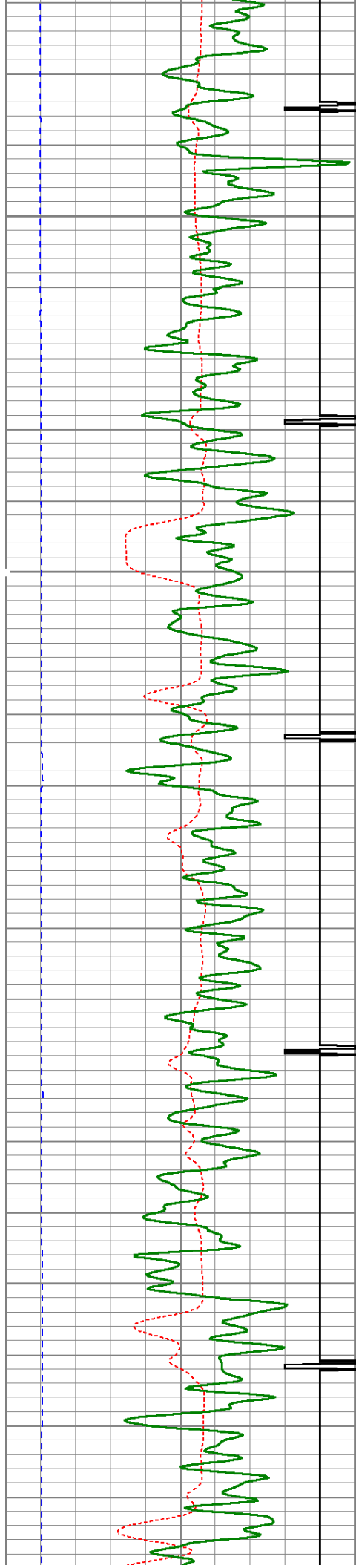
2200

2250

2300

2350



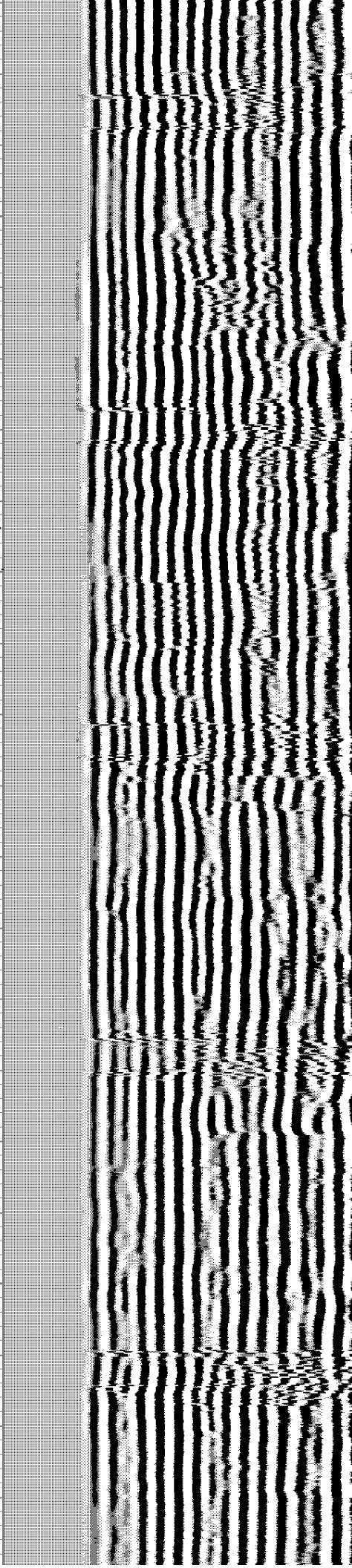
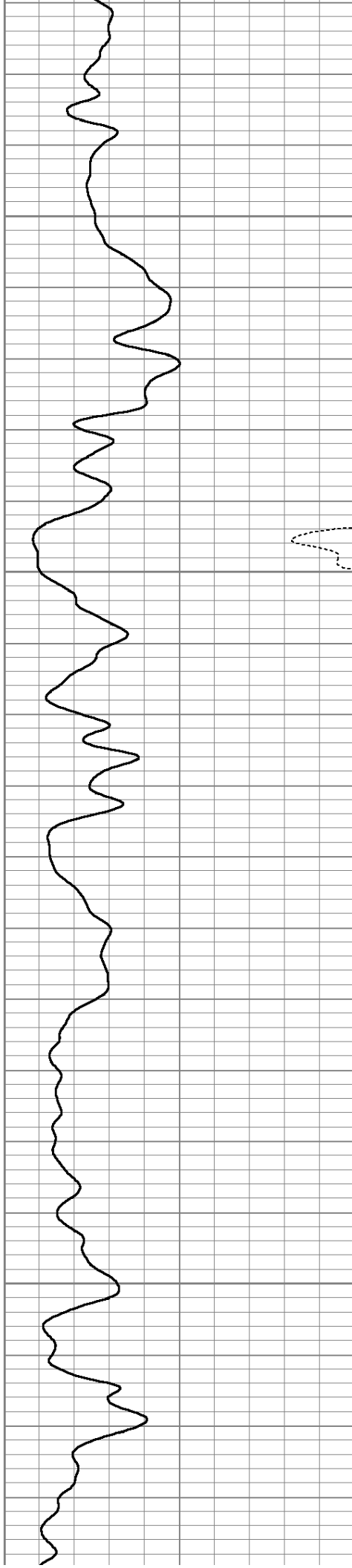


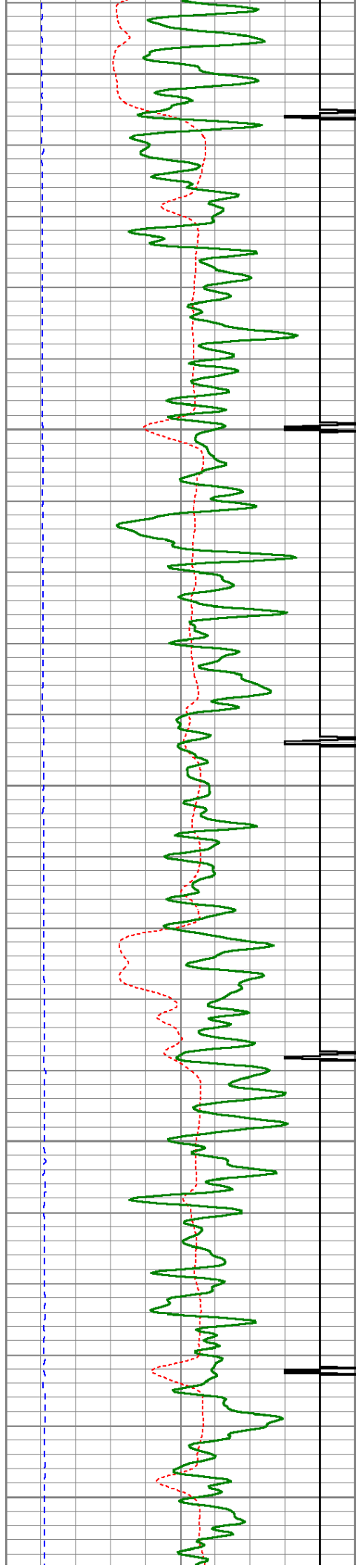
2400

2450

2500

2550





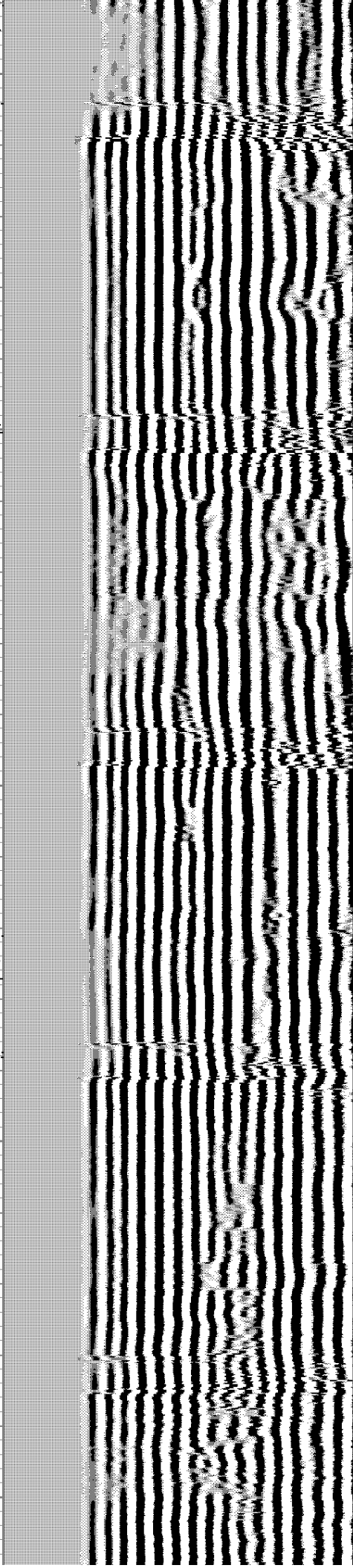
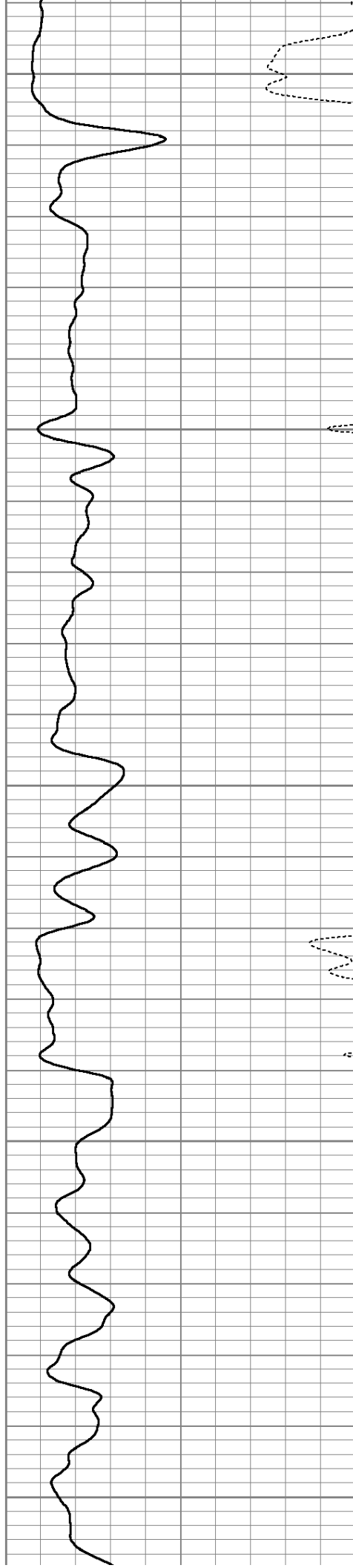
2600

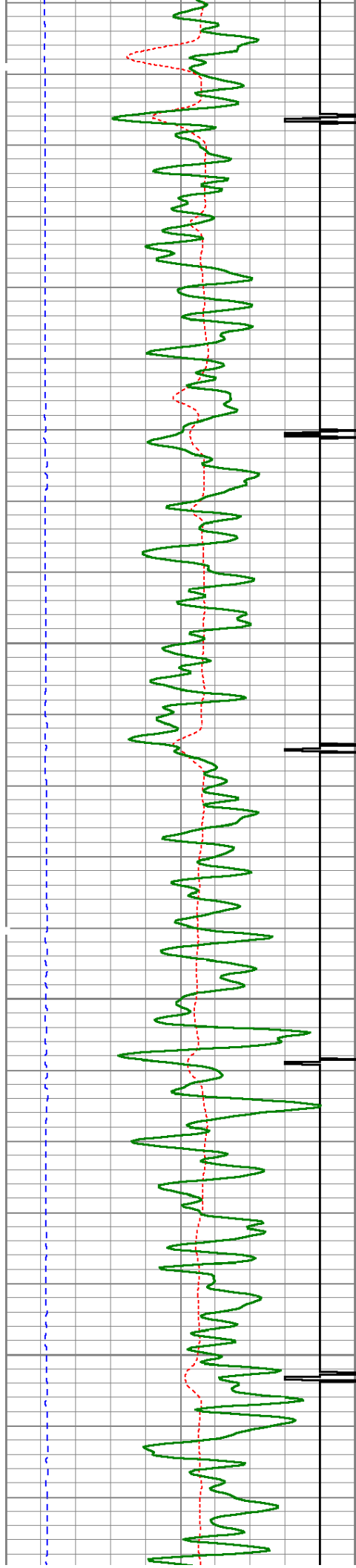
2650

2700

2750

2800



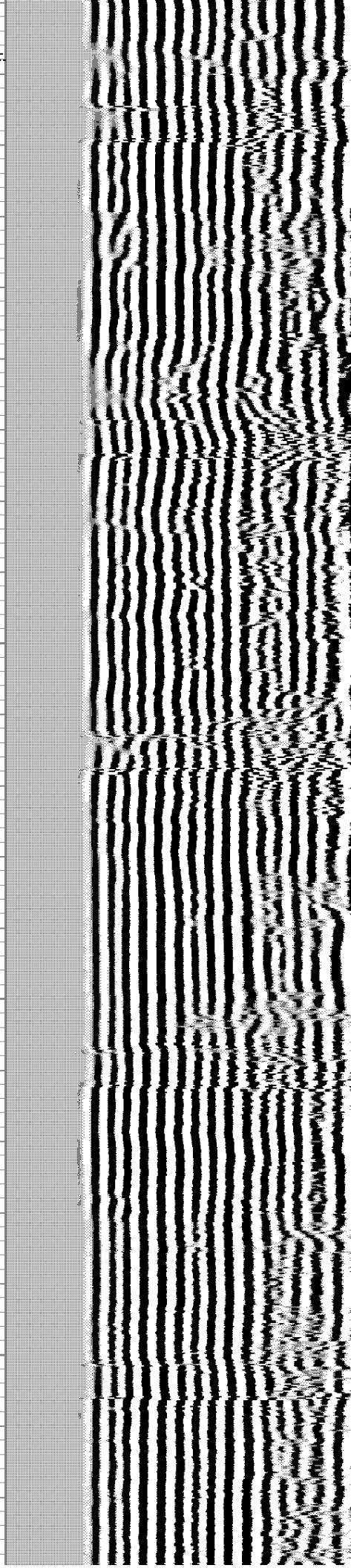
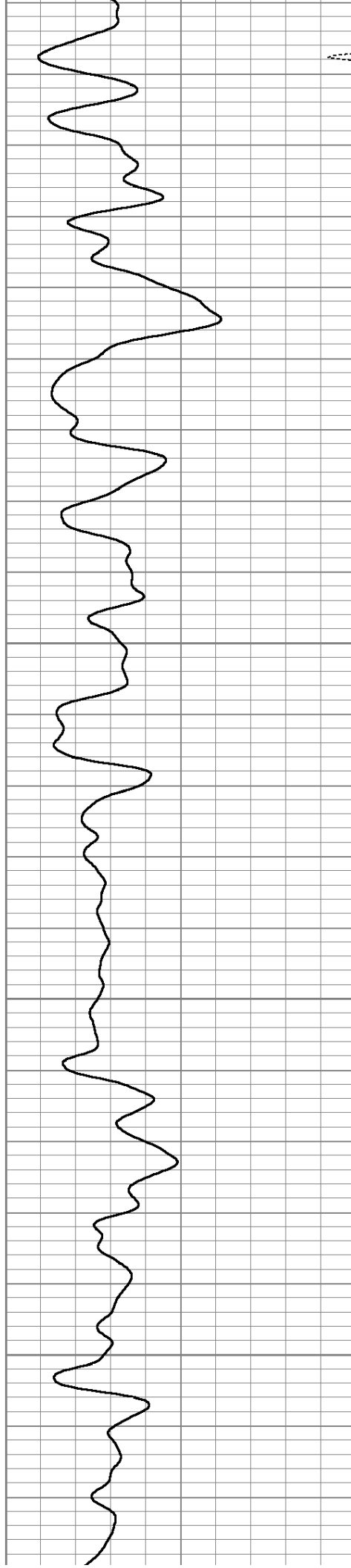


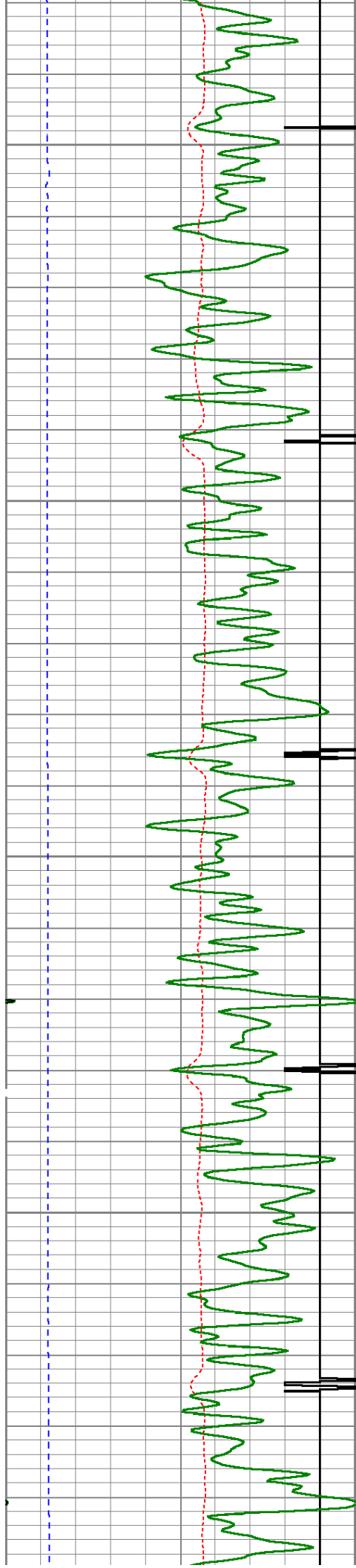
2850

2900

2950

3000





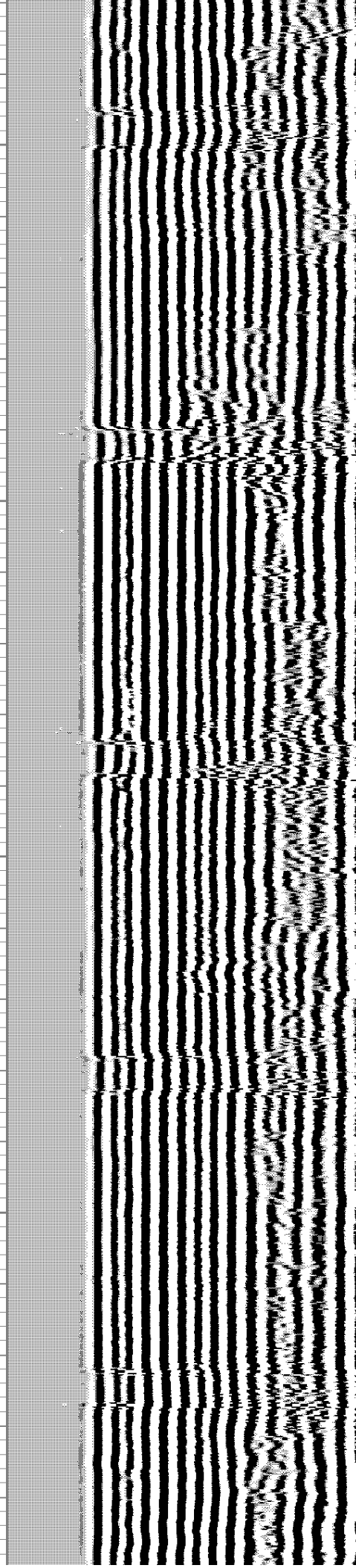
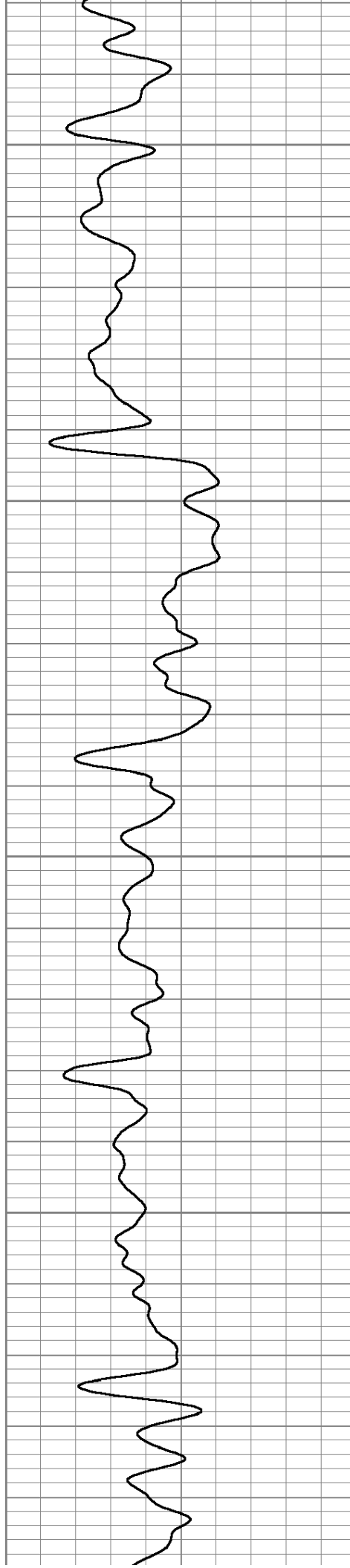
3050

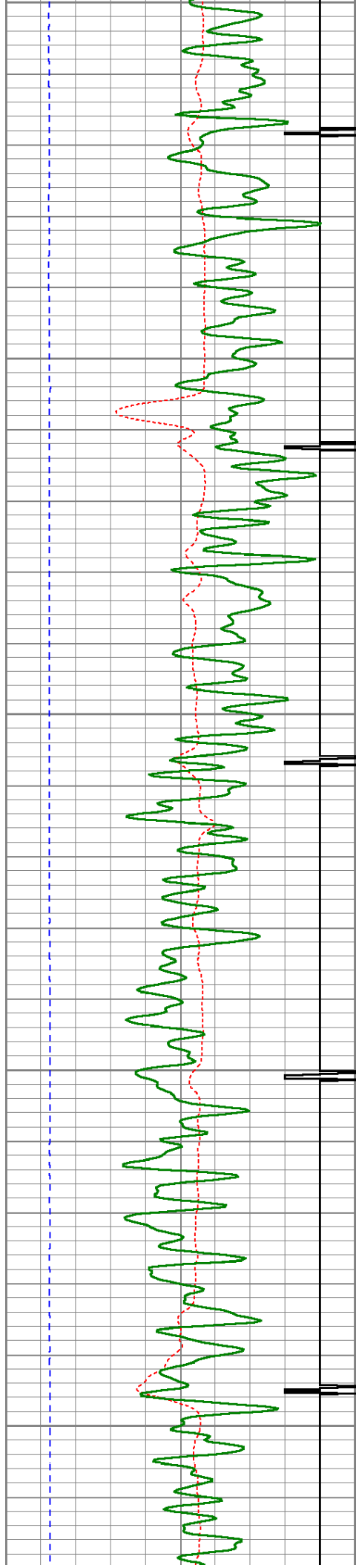
3100

3150

3200

3250





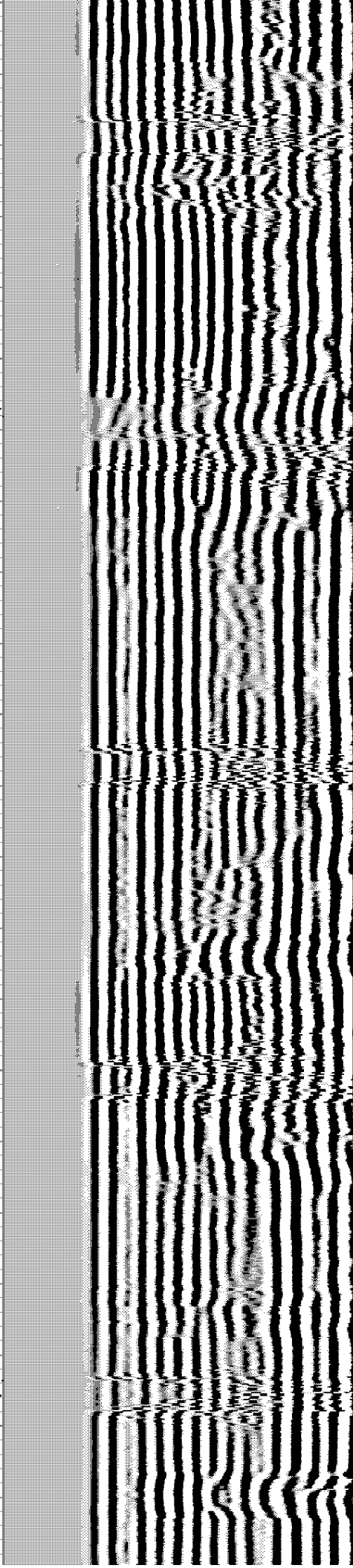
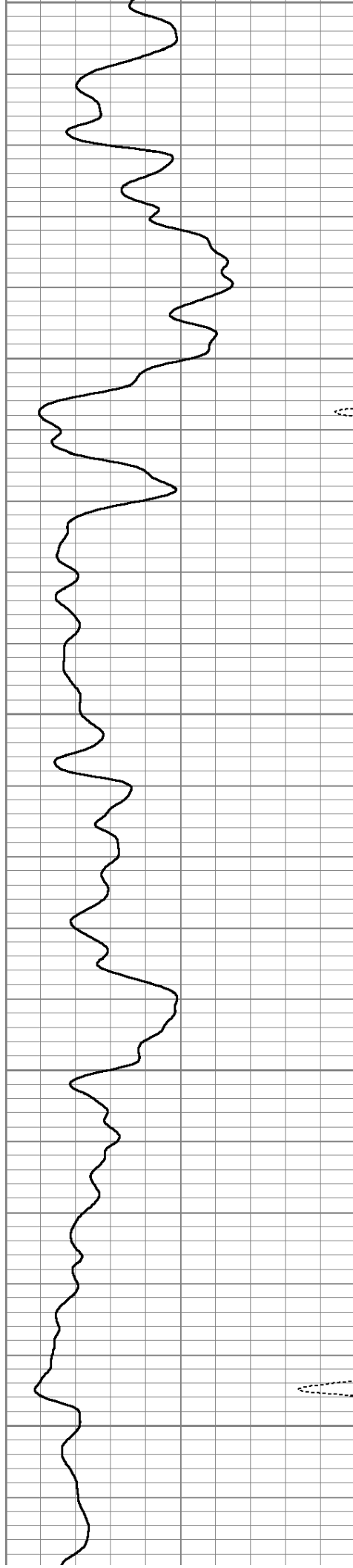
3250

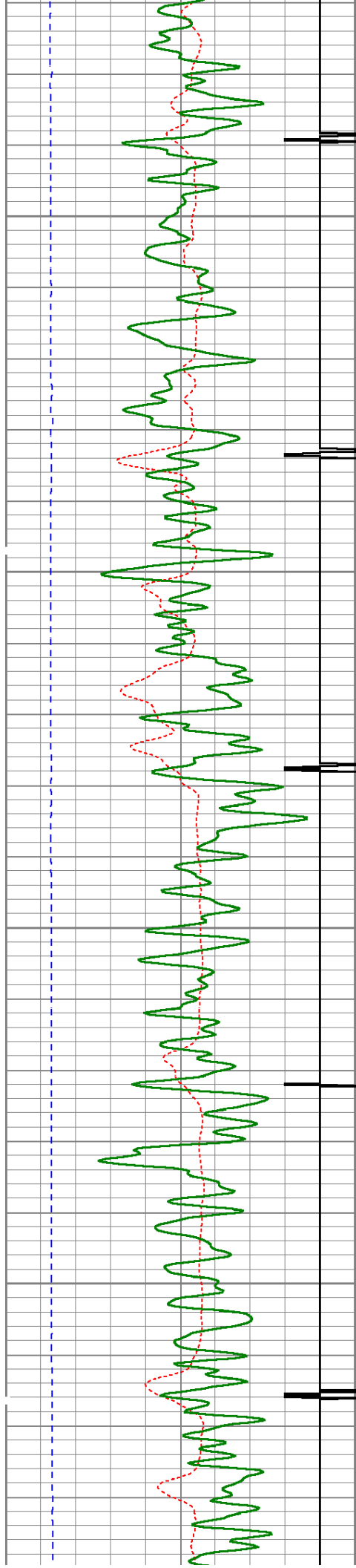
3300

3350

3400

3450



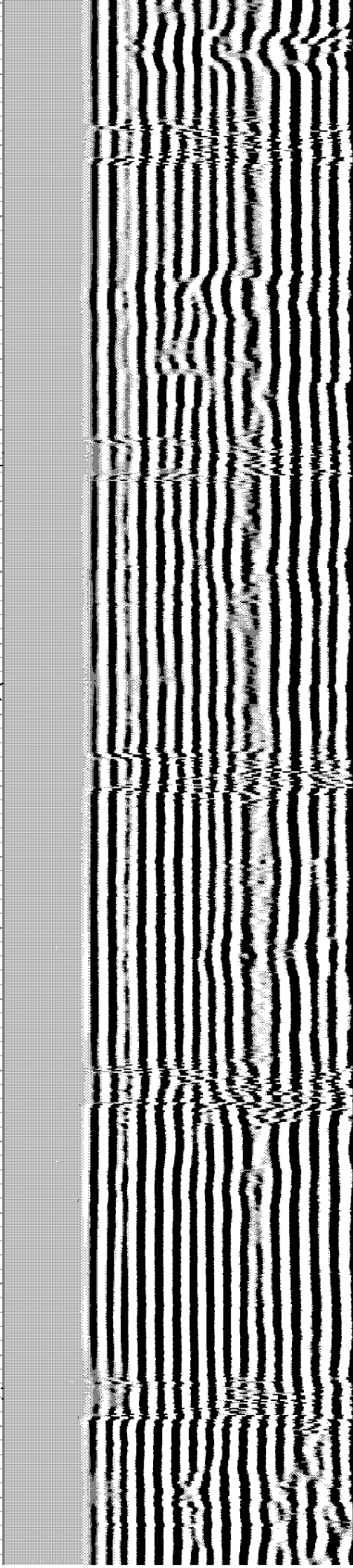
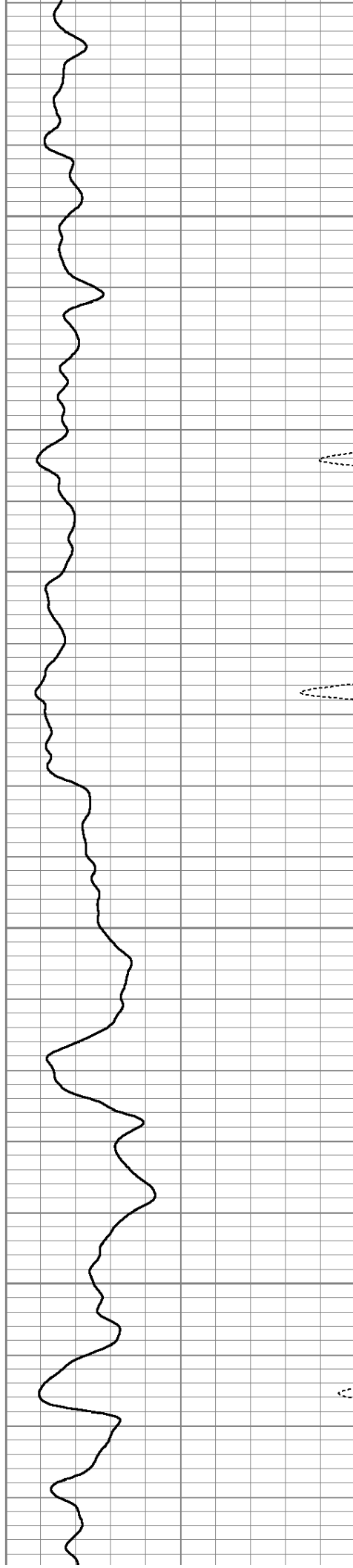


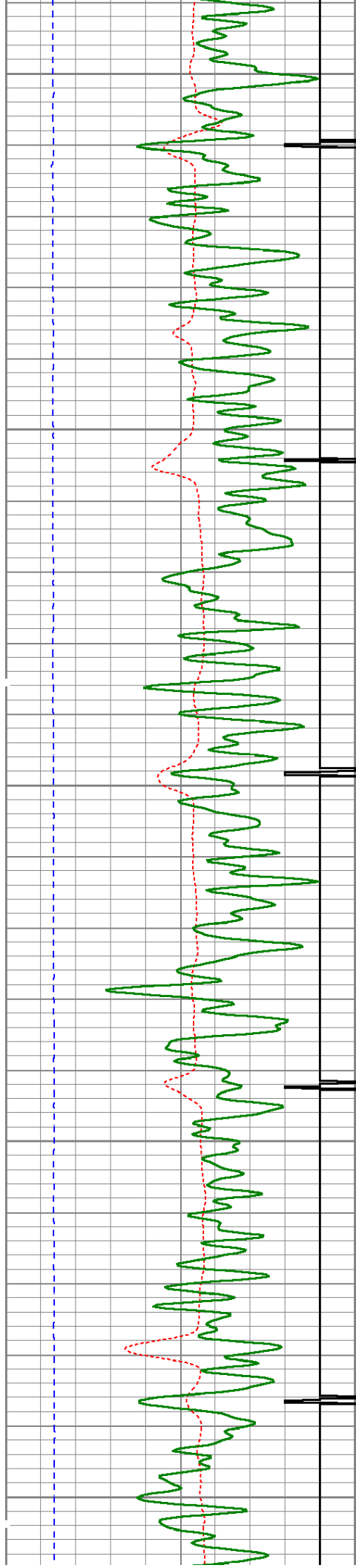
3500

3550

3600

3650





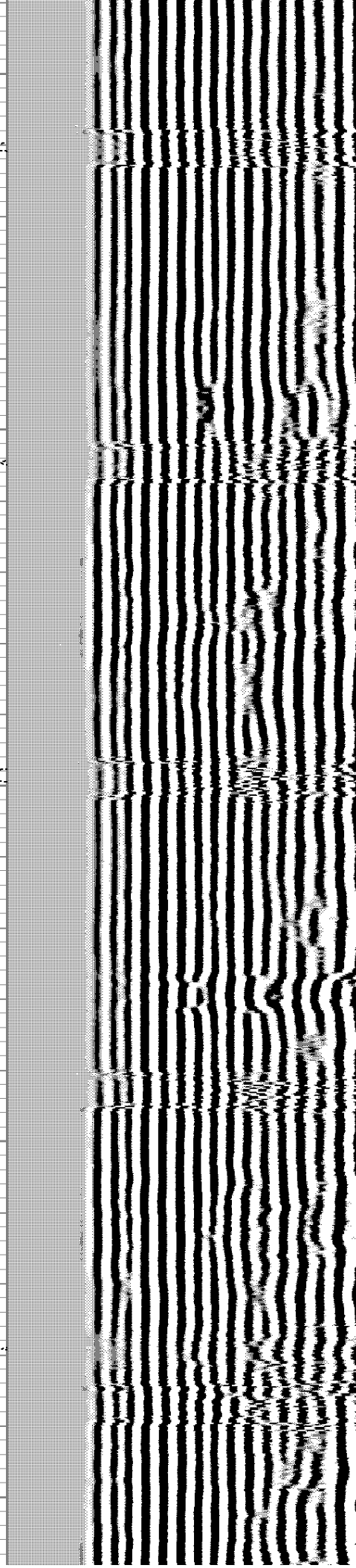
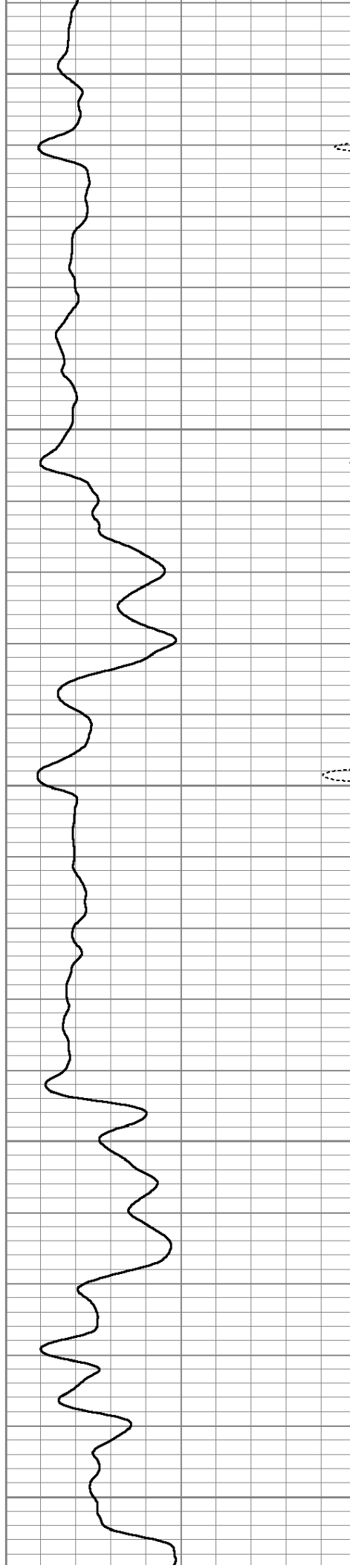
3700

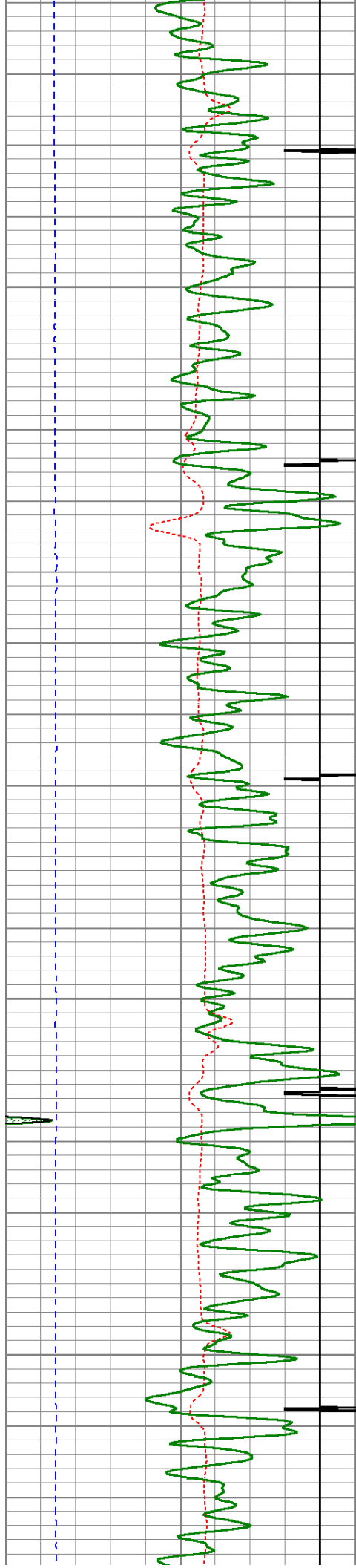
3750

3800

3850

3900



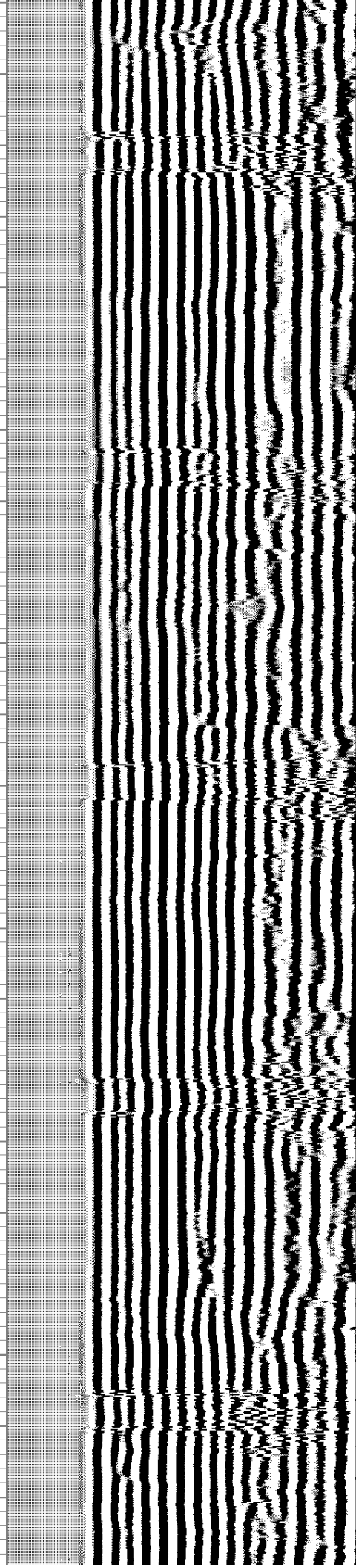
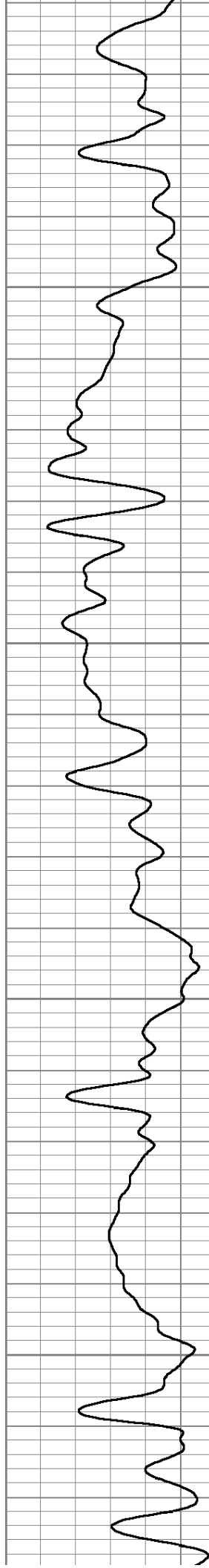


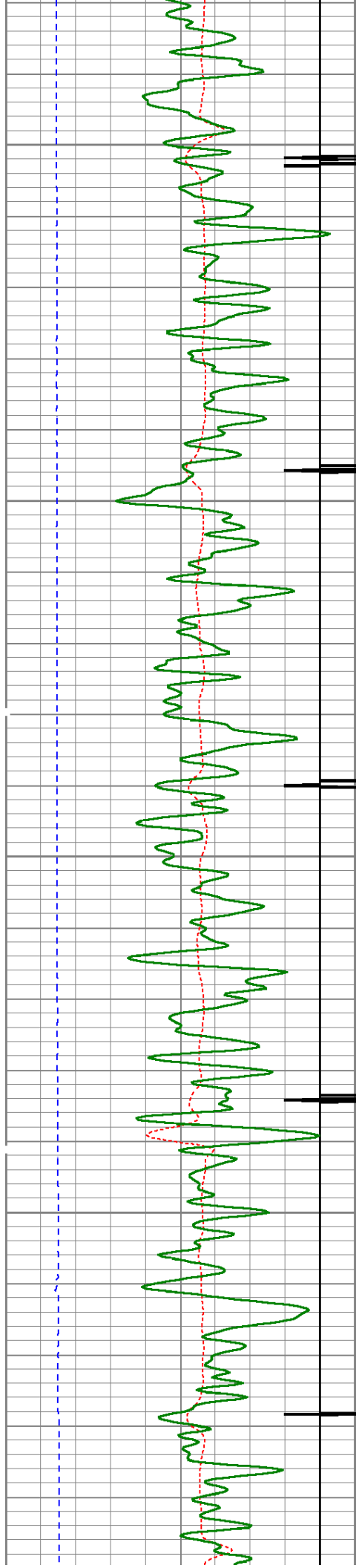
3950

4000

4050

4100





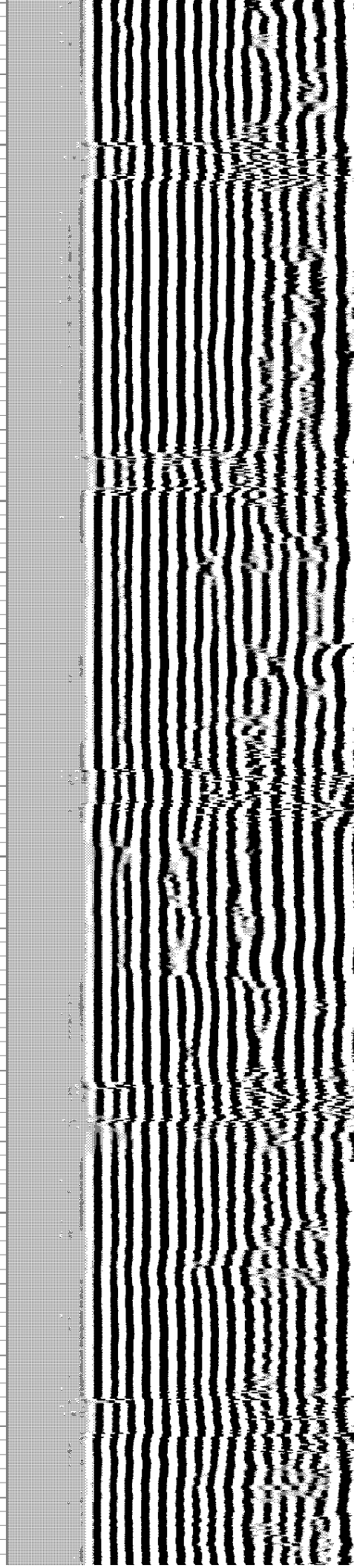
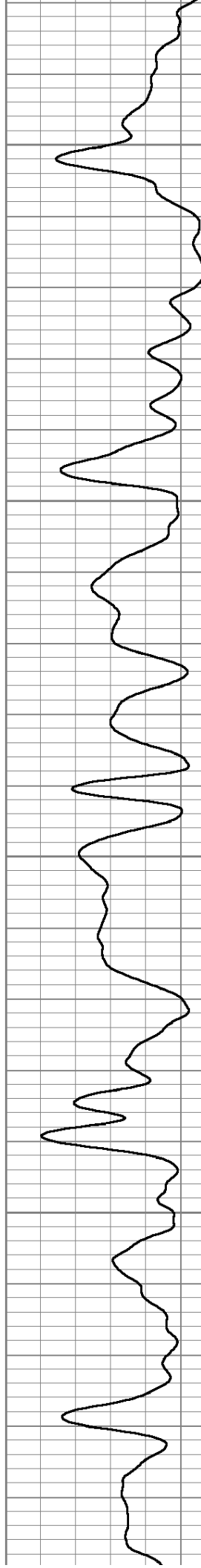
4150

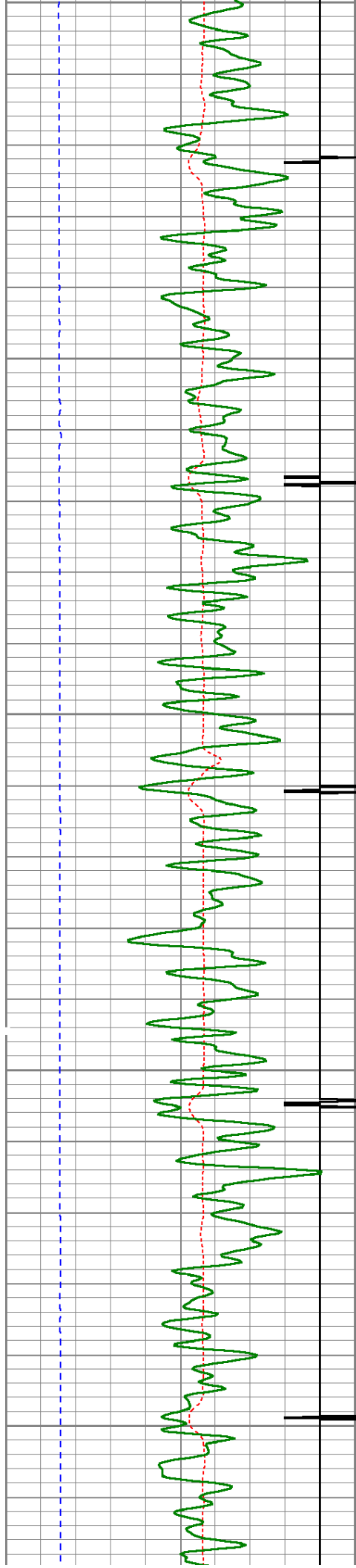
4200

4250

4300

4350





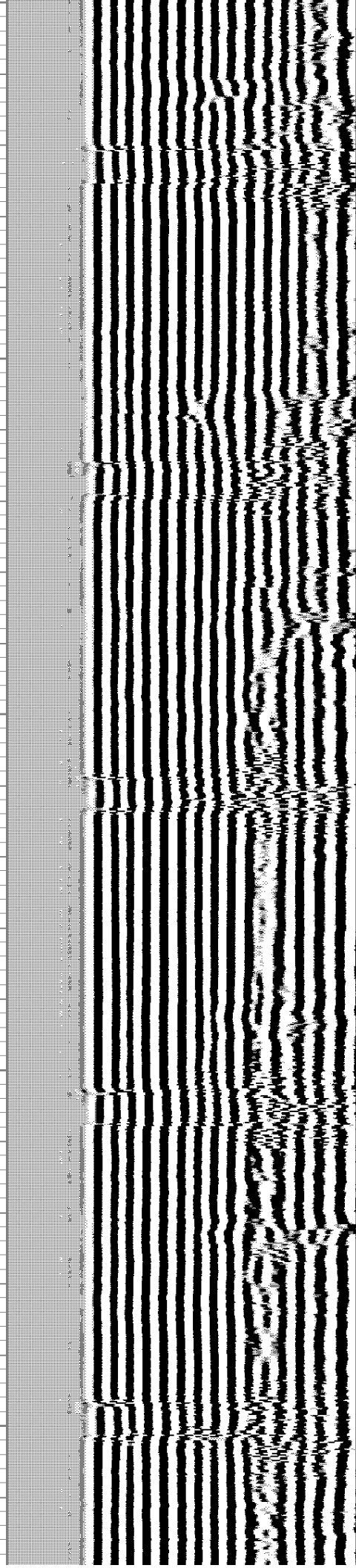
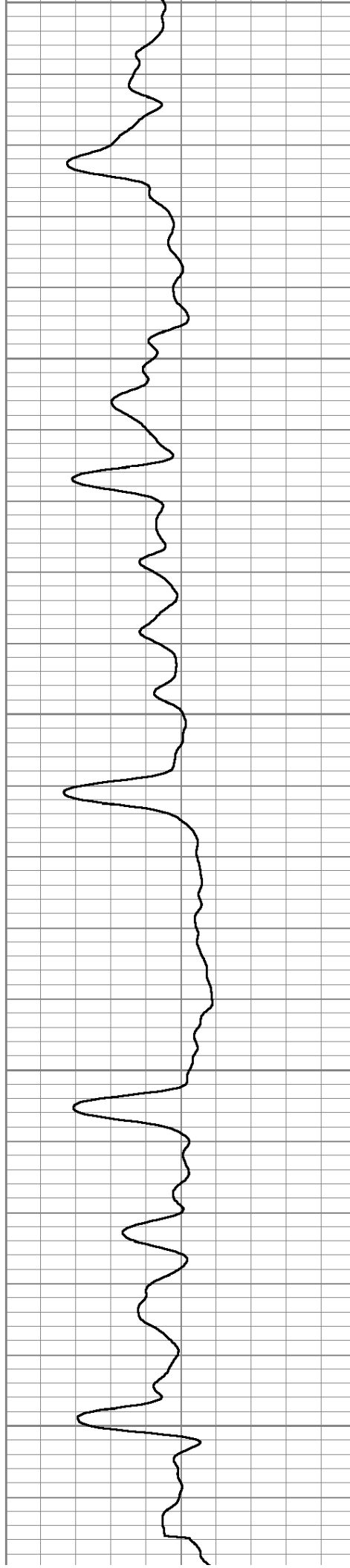
4350

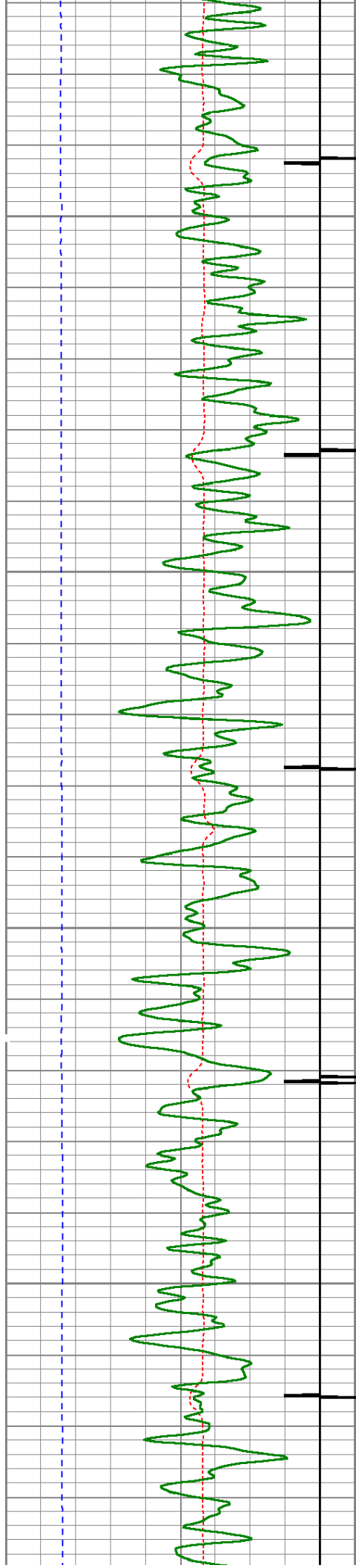
4400

4450

4500

4550



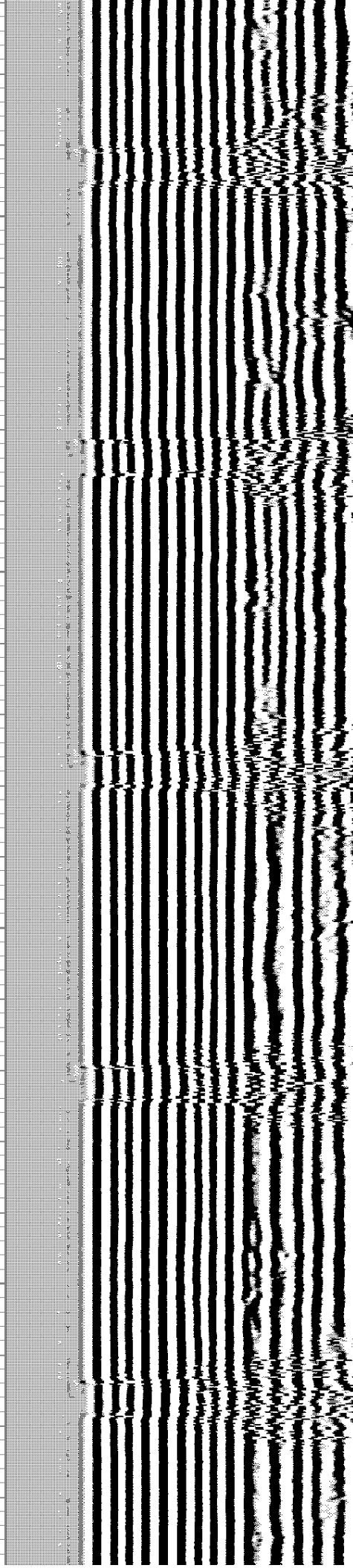
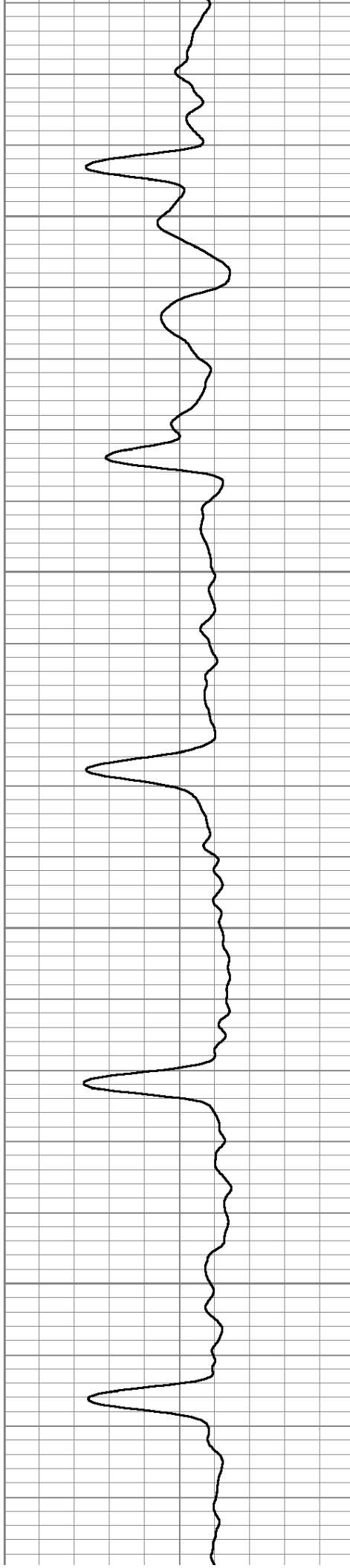


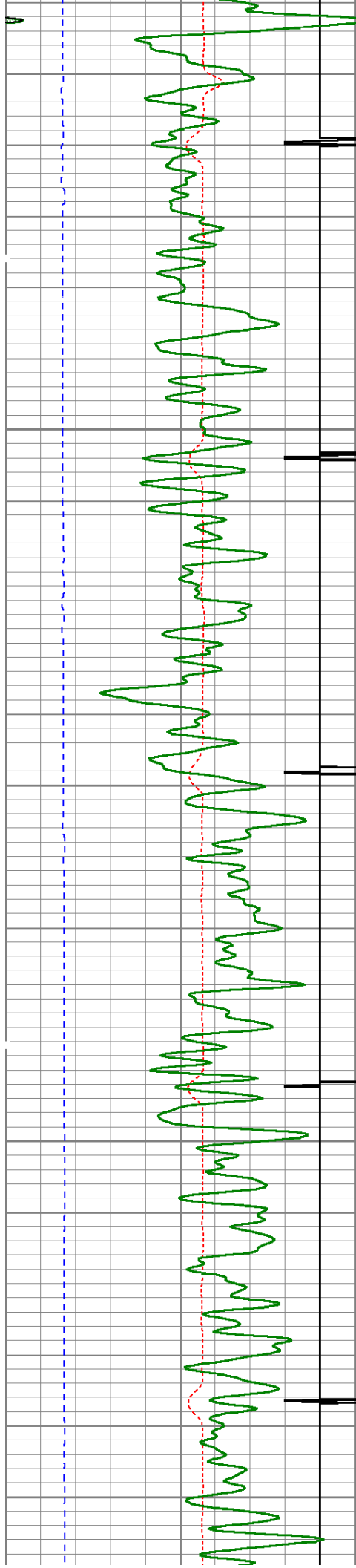
4600

4650

4700

4750





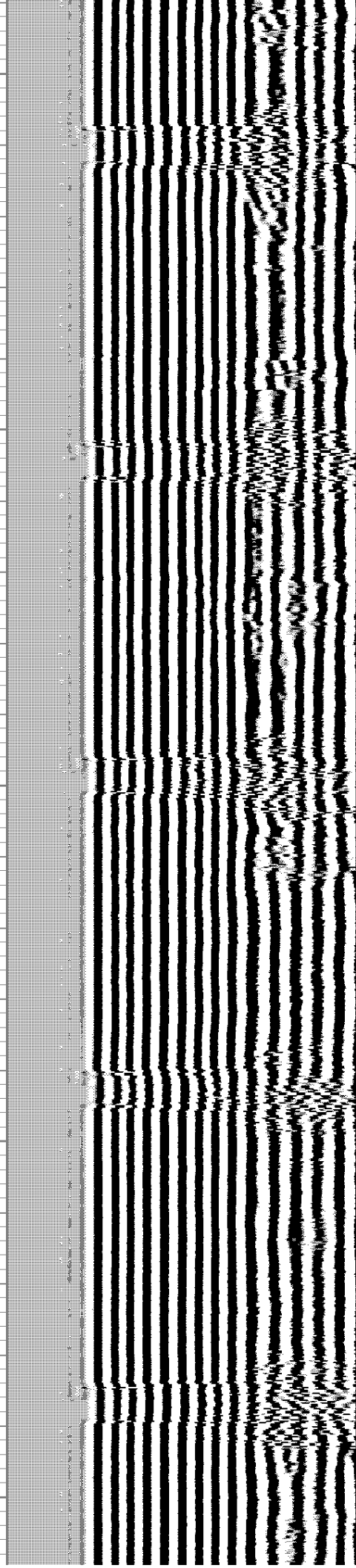
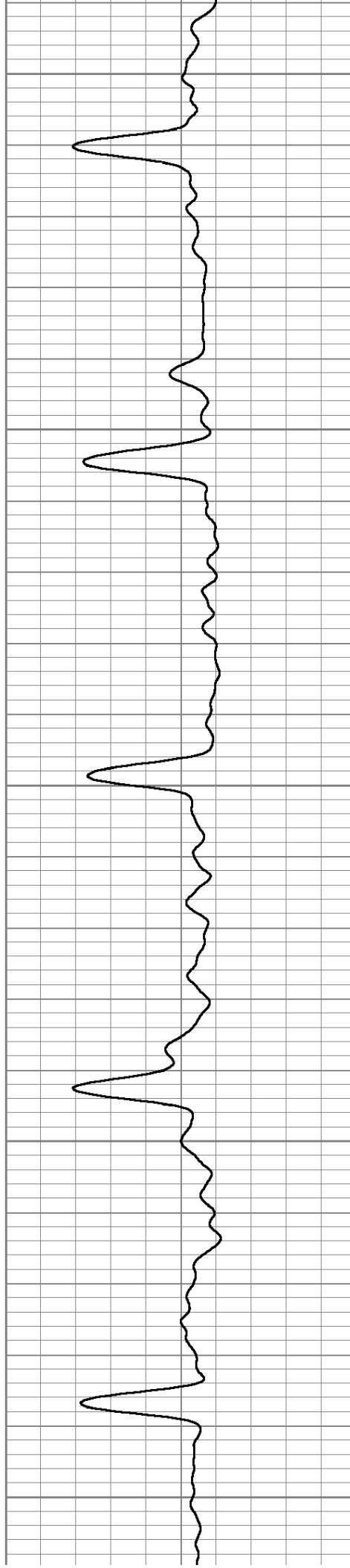
4800

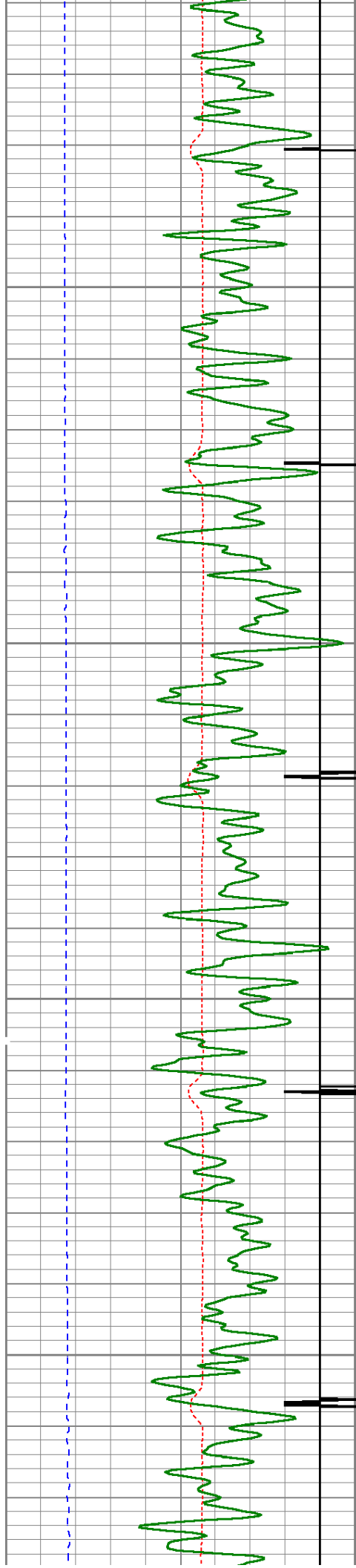
4850

4900

4950

5000



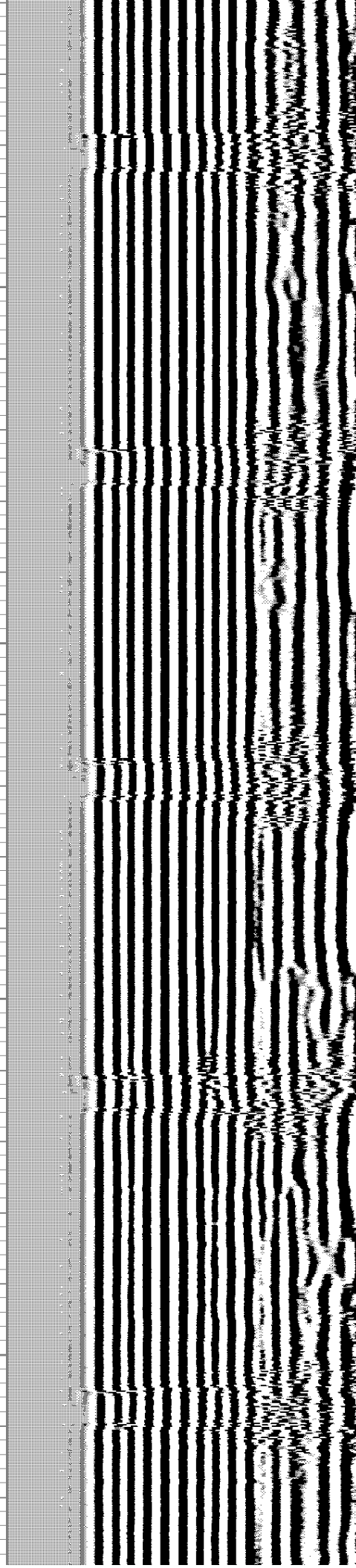
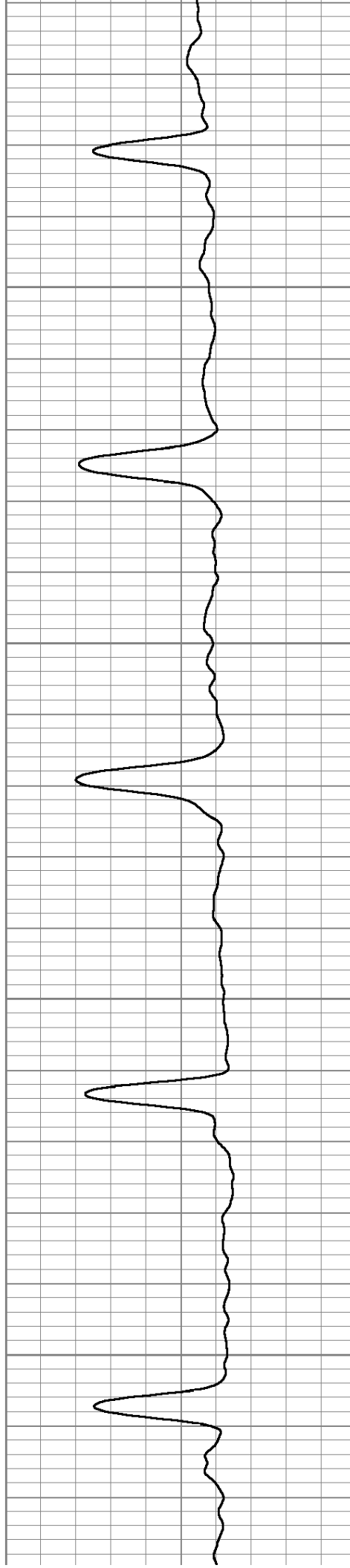


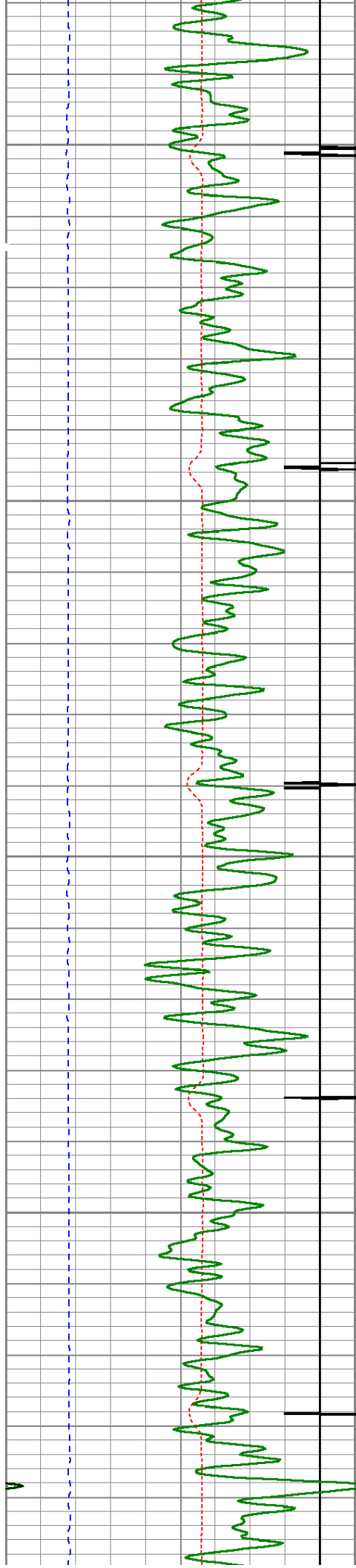
5050

5100

5150

5200





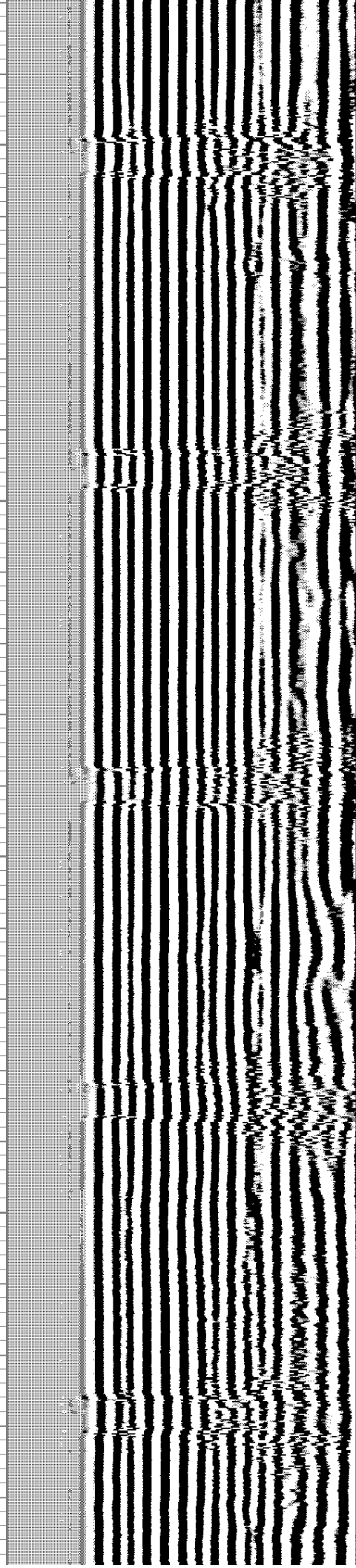
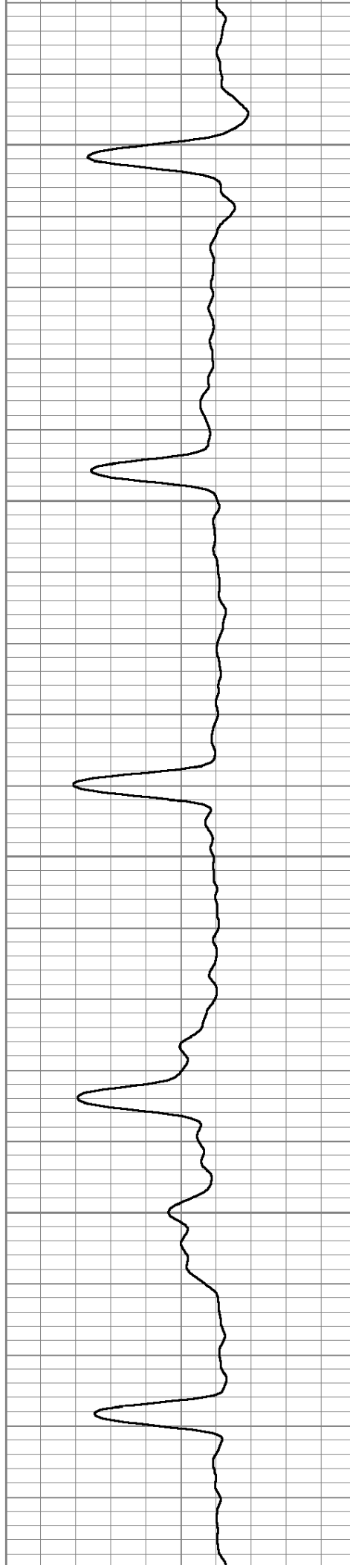
5250

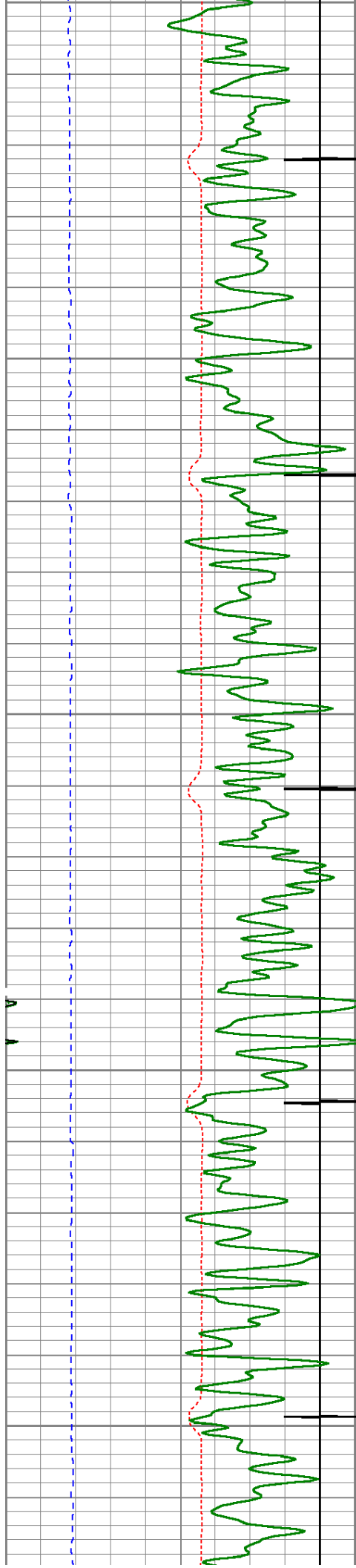
5300

5350

5400

5450





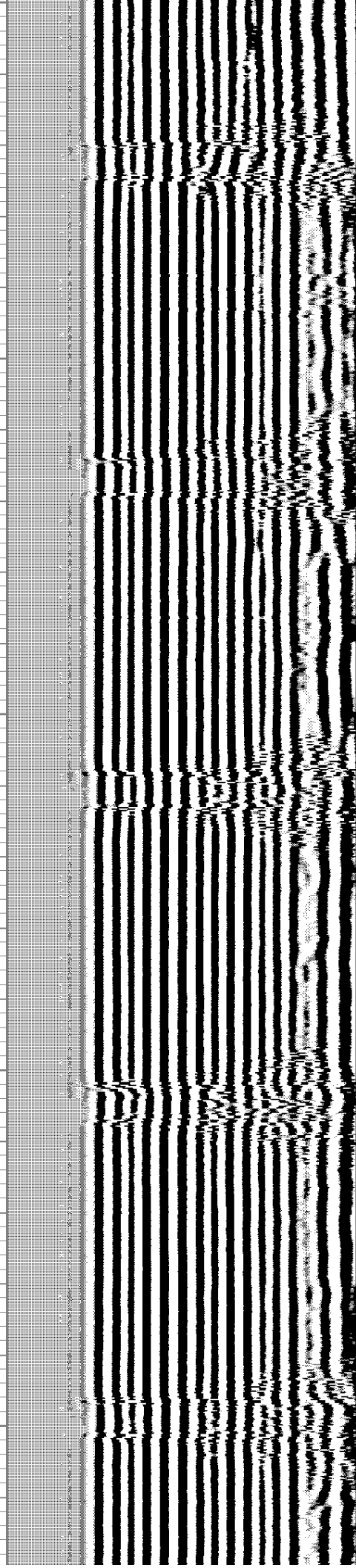
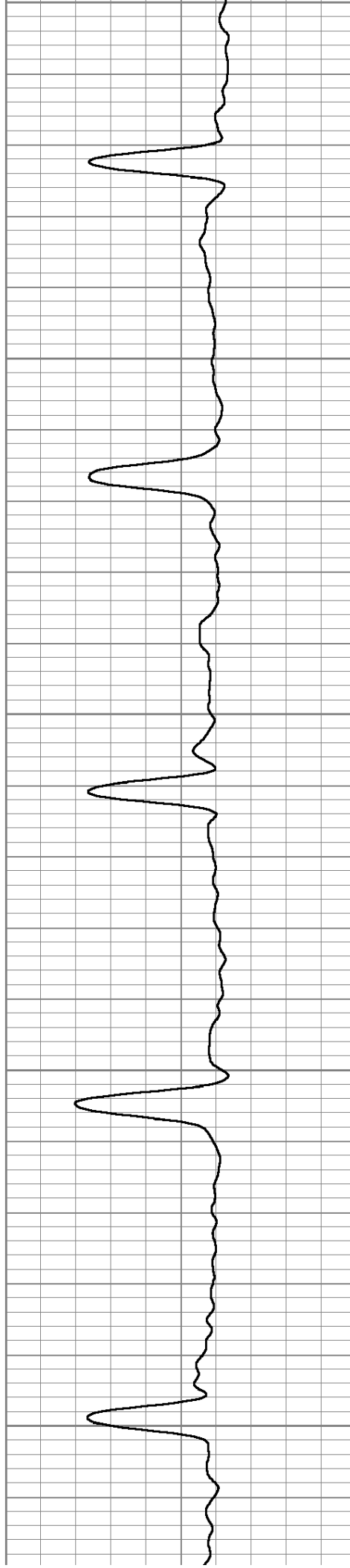
5450

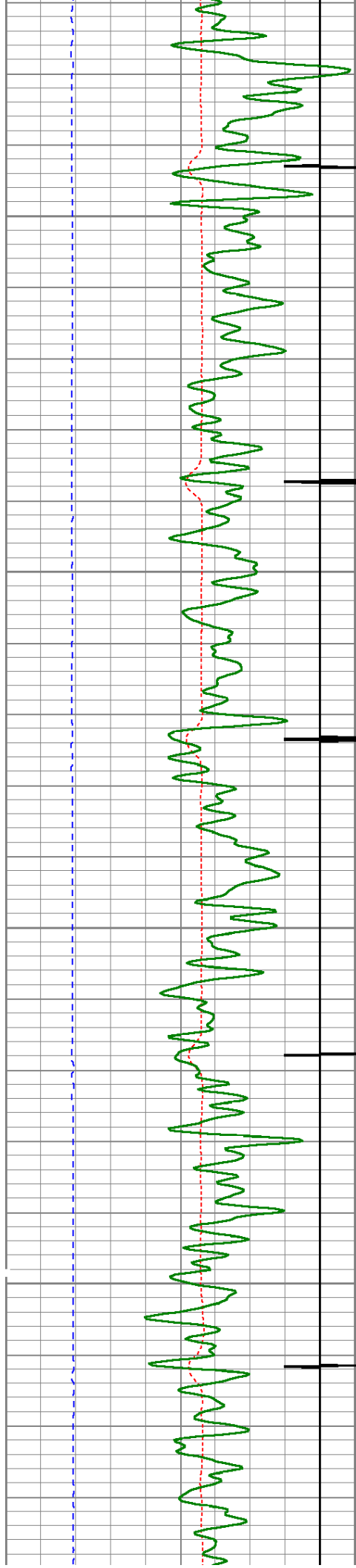
5500

5550

5600

5650



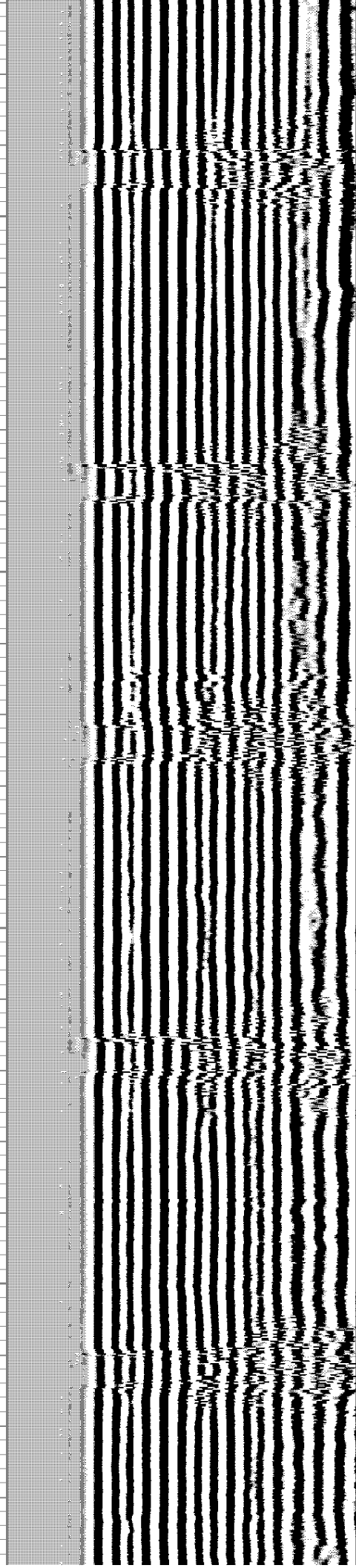
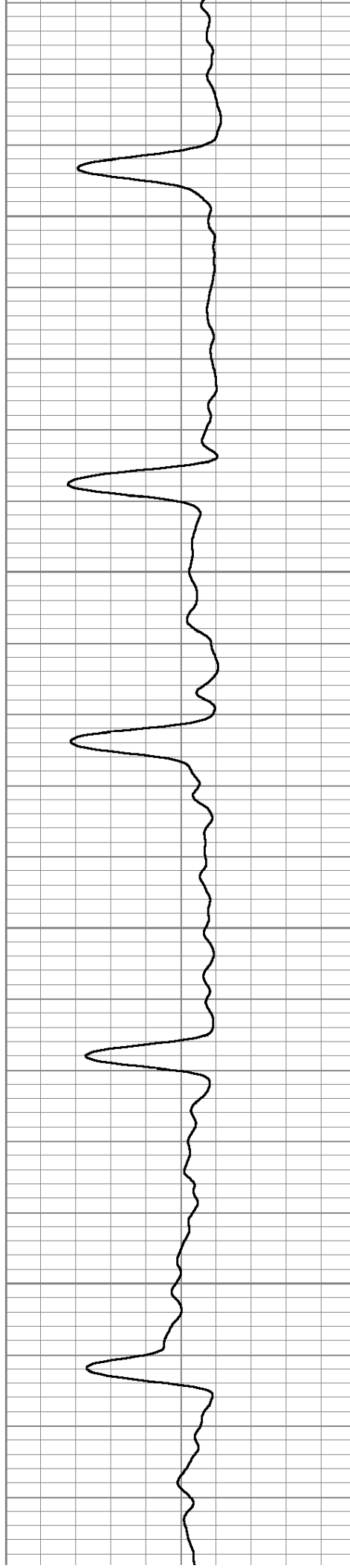


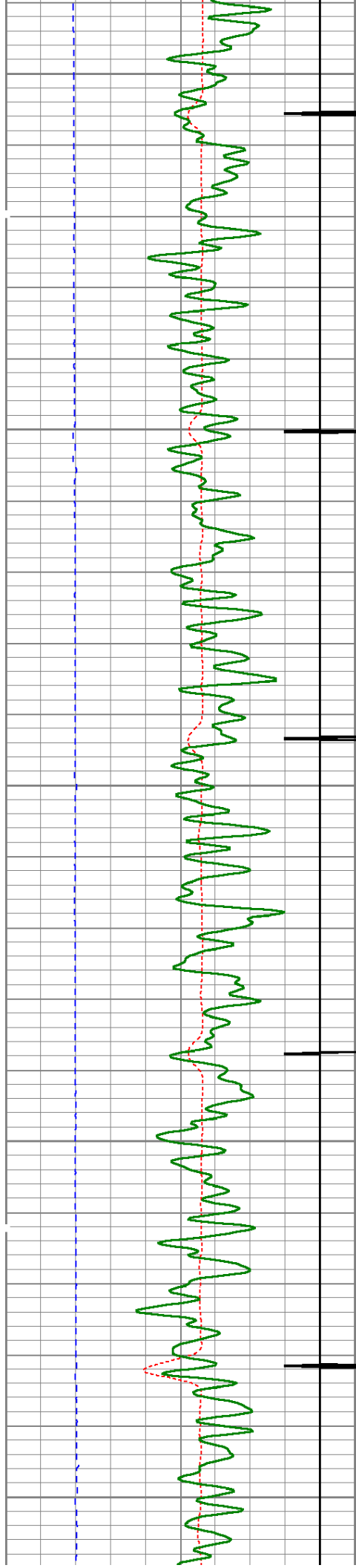
5700

5750

5800

5850





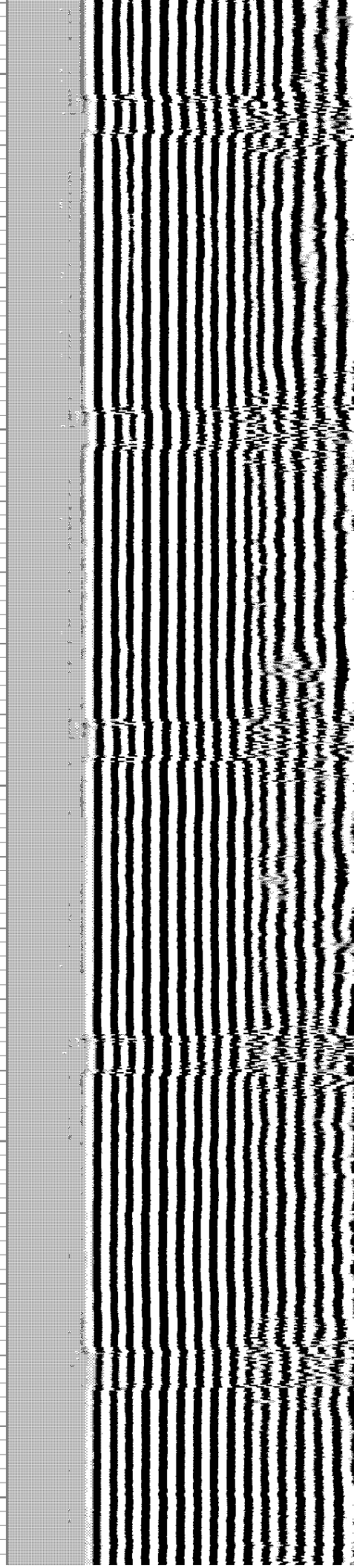
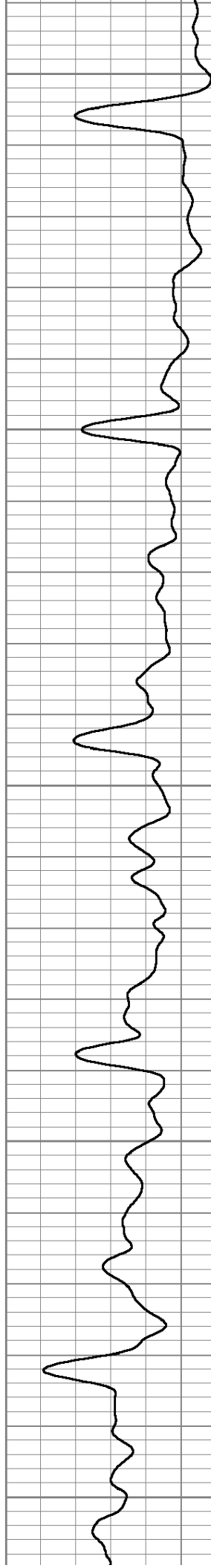
5900

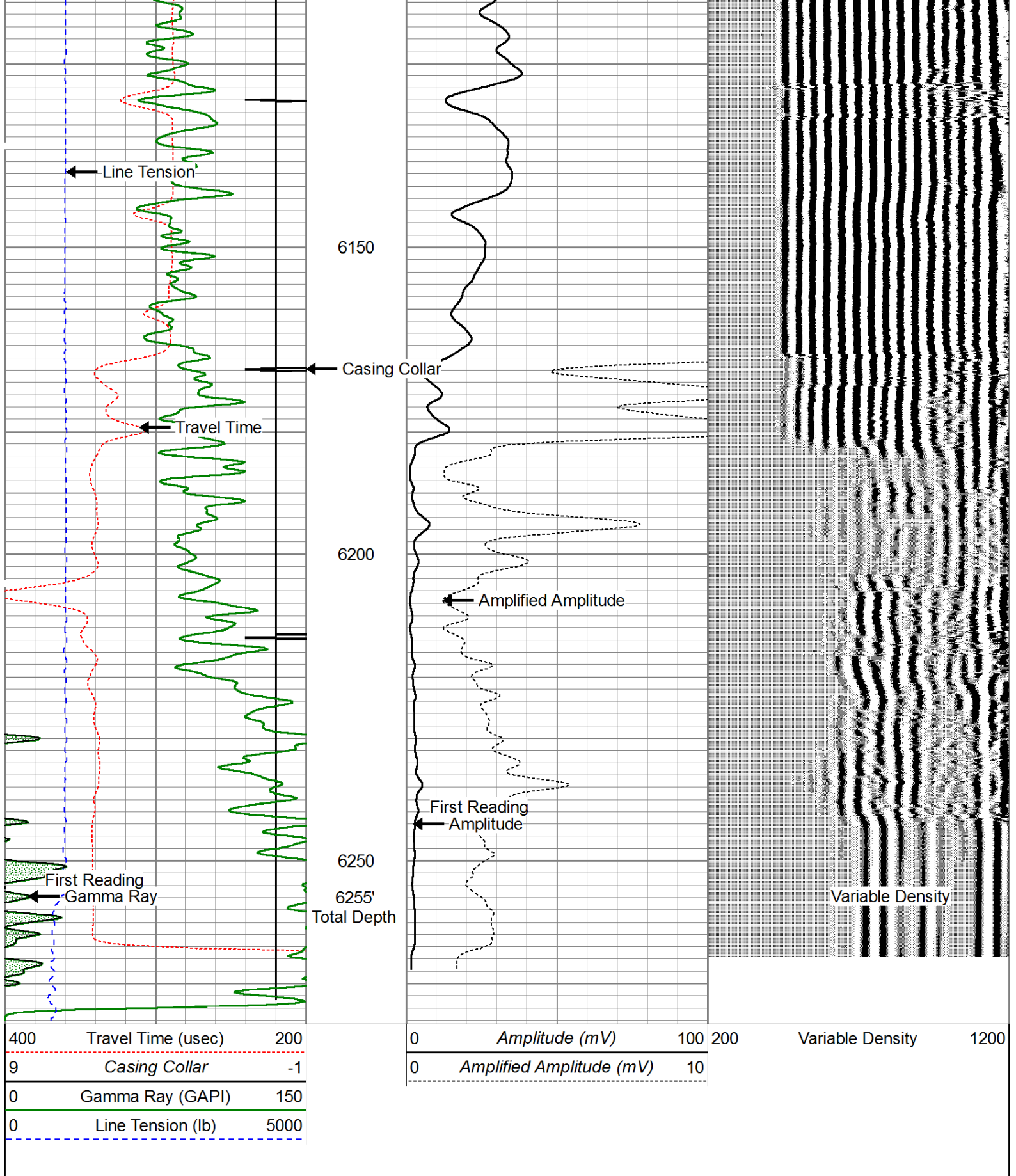
5950

6000

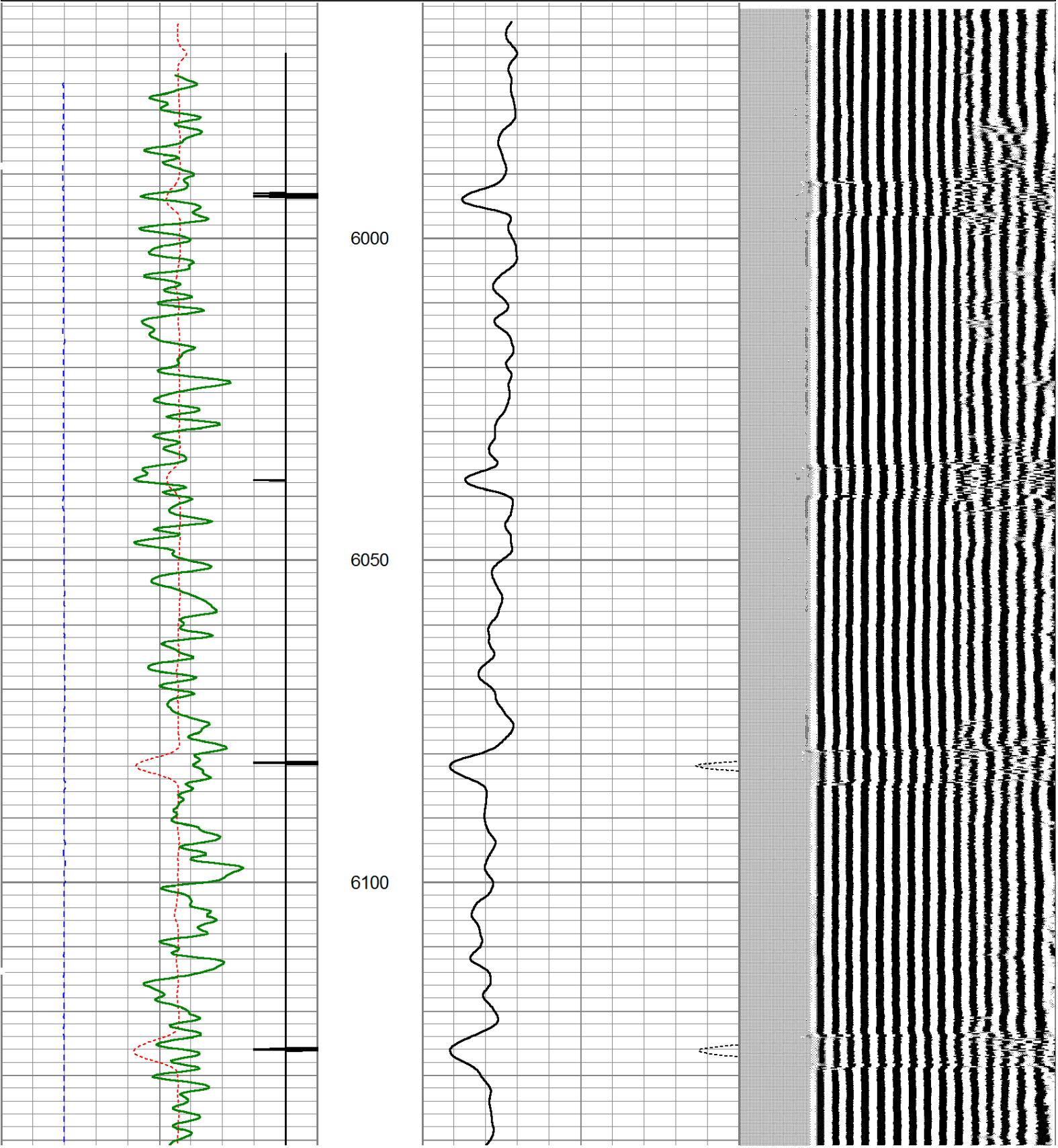
6050

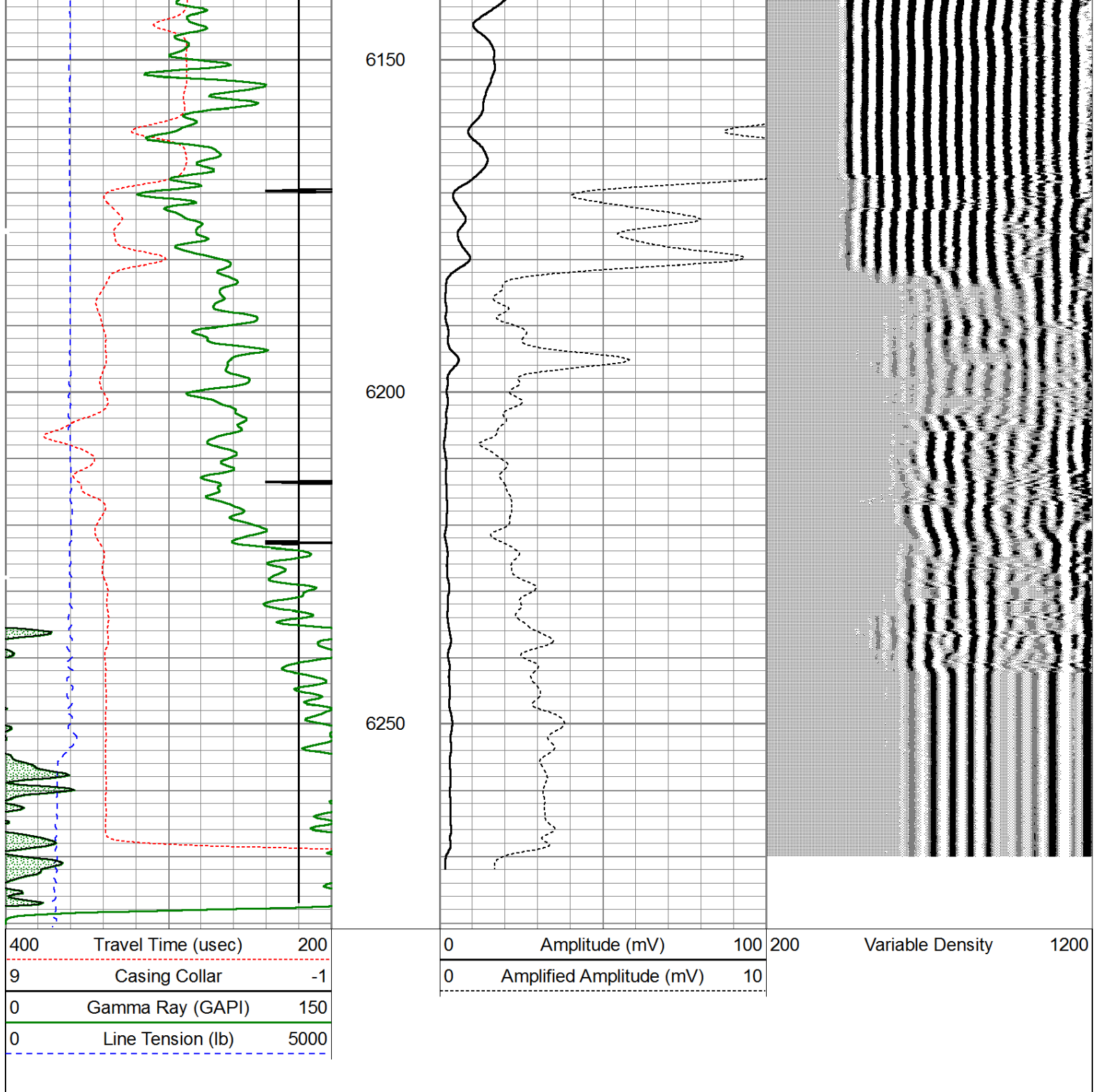
6100





400	Travel Time (usec)	200	0	Amplitude (mV)	100	200	Variable Density	1200
9	Casing Collar	-1	0	Amplified Amplitude (mV)	10			
0	Gamma Ray (GAPI)	150						
0	Line Tension (lb)	5000						





Calibration Report		
Database File:	bonanza creek state north platte f-j-36hnb_cbl.db	
Dataset Pathname:	pass5.2	
Dataset Creation:	Fri Oct 04 13:40:14 2013 by Calc 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 Fri Oct 04 12:10:30 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.007	0.629	1.000	62.165	132.497	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

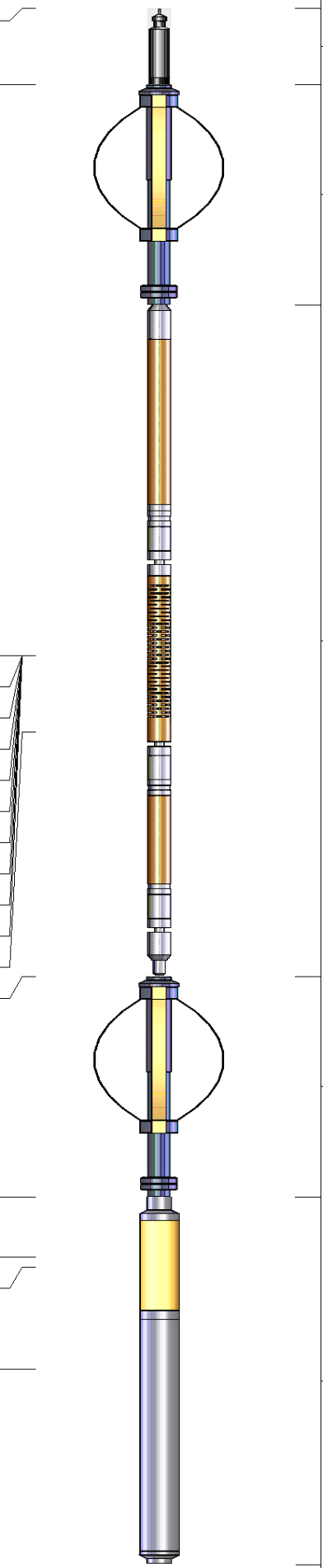
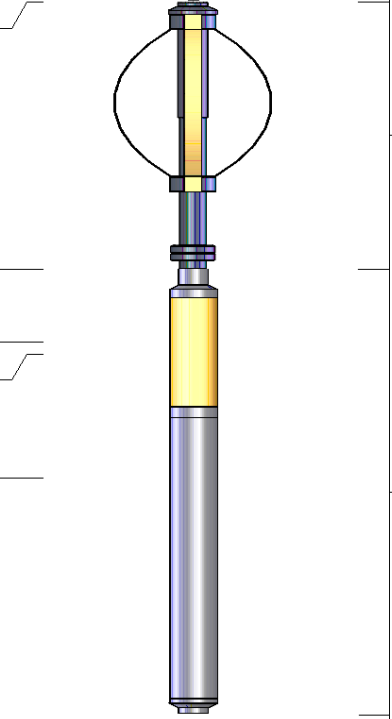
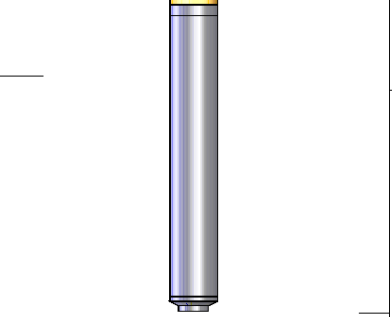
Internal Reference Calibration, performed Wed Jul 10 20:06:34 2013:

	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 Fri Oct 04 09:19:11 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	

S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CHD	20.28		Titan Cable_head	1.00	1.44	10.00
CENT	19.28		Probe275 2.75" Centralizer	2.88	2.75	20.00
WVF3FT	11.84		RBT-Probe (101224) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFCAL	11.84					
WVFS1	11.84					
WVFS2	11.84					
WVFS3	11.84					
WVFS4	11.84					
WVFS5	11.84					
WVFS6	11.84					
WVFS7	11.84					
WVFS8	11.84					
WVF5FT	10.84					
CENT	7.66		Probe275 2.75" Centralizer	2.88	2.75	20.00
						
GR	4.78					
TEMP	4.00					
CCL	3.88					
						
GR	2.54		GR-Probe275 (110108-Dig) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00

Dataset:	bonanza creek state north platte f-j-36hnb_cbl.db: field/well/run1/pass5.2
Total Length:	20.28 ft
Total Weight:	197.00 lb
O.D.	2.75 in