



**Cement Bond  
Variable Density Log  
W/ Gamma Ray/CCL**

Company Bonanza Creek Energy  
Well North Platte E-A-24HNA  
Field Wattenberg  
County Weld  
State Colorado

Company Bonanza Creek Energy  
Well North Platte E-A-24HNA  
Field Wattenberg  
County Weld State Colorado

Location: API #: 05-123-39520-00  
SE SW  
SEC 24 TWP 5N RGE 63W  
Permanent Datum Ground Level Elevation 4568'  
Log Measured From Kelly Bushing at 17'  
Drilling Measured From Kelly Bushing  
Other Services  
NONE  
Elevation  
K.B. 4585'  
D.F. 4551'  
G.L. 4568'

Date	8/16/2014			
Run Number	1			
Depth Driller				
Depth Logger	6528'			
Bottom Logged Interval	6528'			
Top Log Interval	SURFACE			
Open Hole Size	8.75			
Type Fluid	Fresh Water			
Density / Viscosity	8.33			
Max. Recorded Temp.	-			
Estimated Cement Top				
Time Well Ready	8:00			
Time Logger on Bottom	9:20			
Equipment Number	13034			
Location	Brighton			
Recorded By	N. Menchaca			
Witnessed By	K. Dodge			
Borehole Record				
Run Number	Bit	From	To	Size
1				
2				
3				
Tubing Record				
Casing Record	Size	Wd/ft	Top	Bottom
Surface String	9.625"	36#	0'	467'
Prot. String				
Production String	7"	26#	0'	6789'
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

Logged From Liner Top To SURFACE

Main Pass and Repeat Pass logged with 0 PSI

Thank You For using Allied Wireline

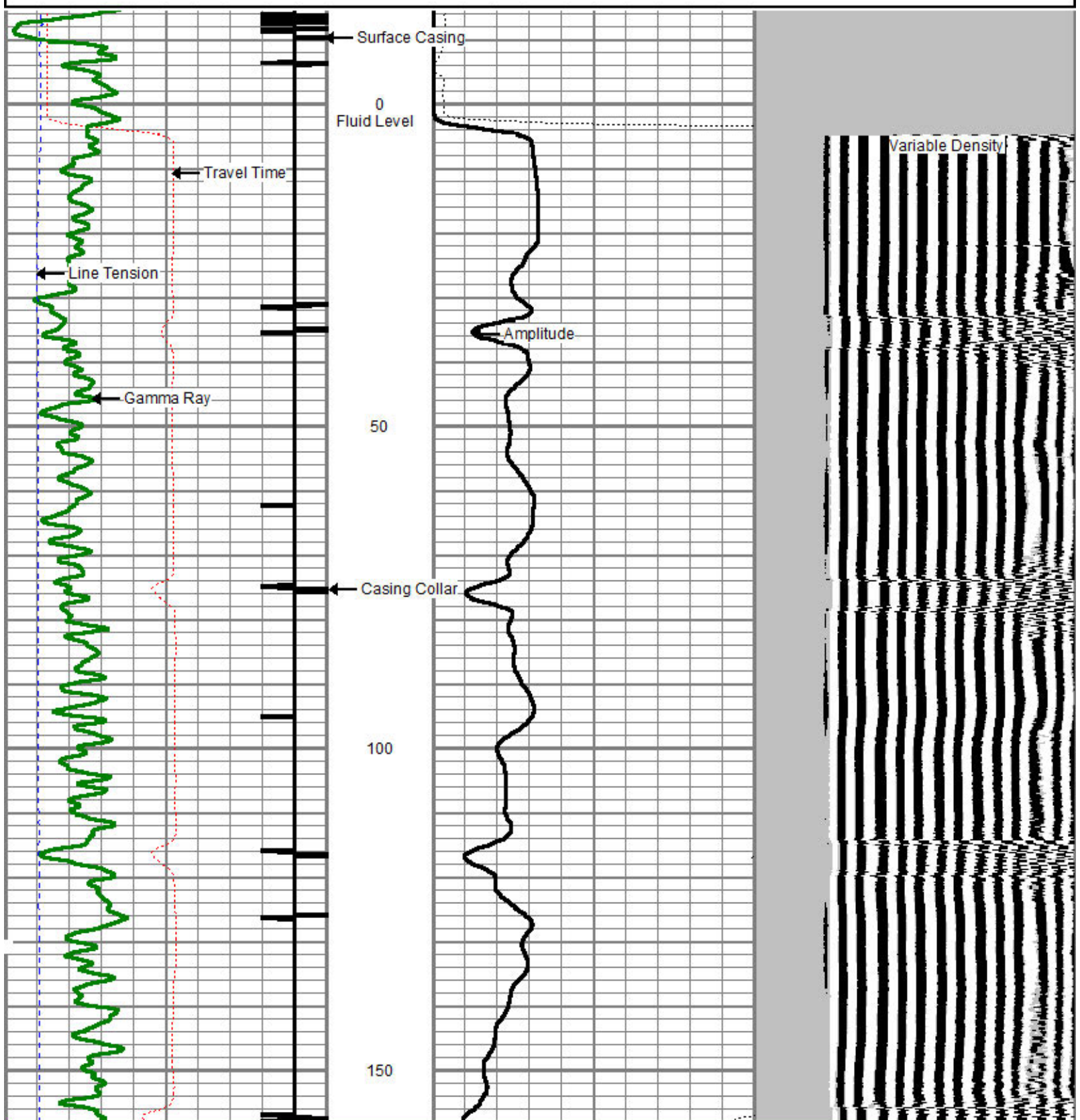
(303) 659-4609



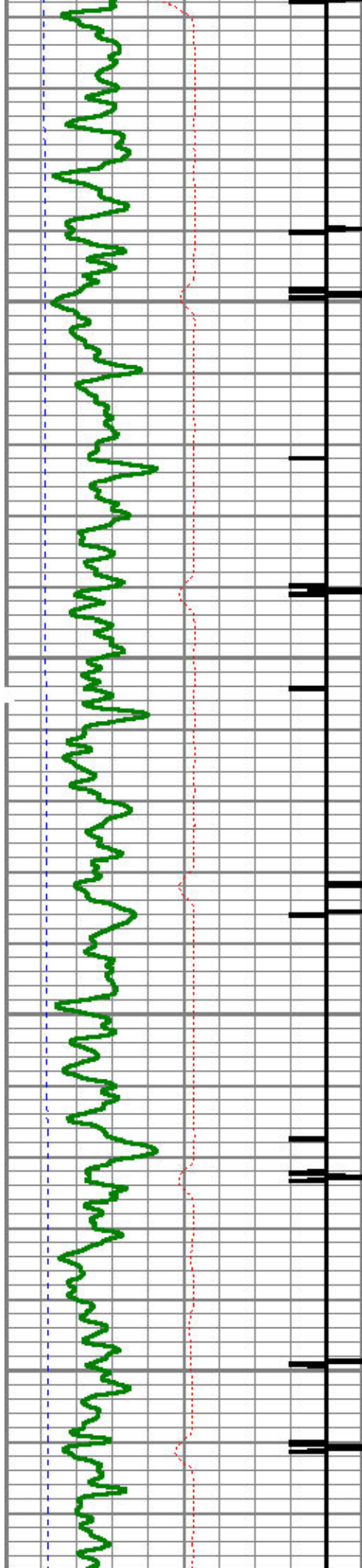
**Main Pass ( 0 P.S.I. )**

Database File: northplattee-a-24hna.db  
Dataset Pathname: pass12.4  
Presentation Format: cblprobe  
Dataset Creation: Sun Aug 17 13:18:43 2014 by Calc 0  
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)	2000						





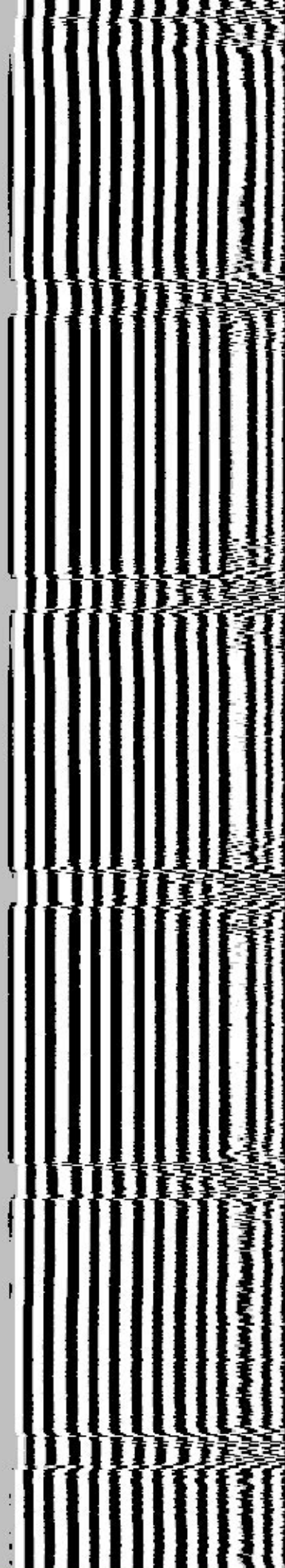
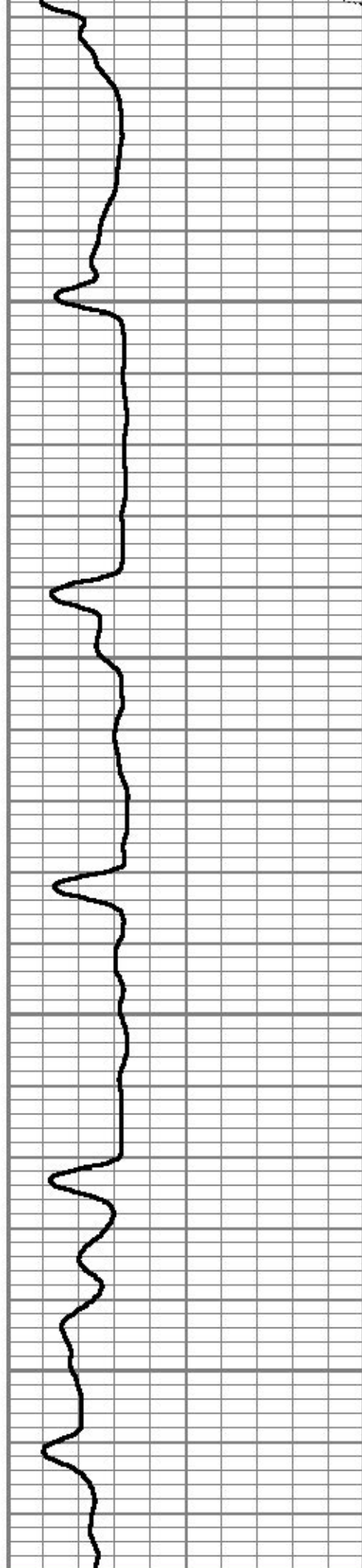


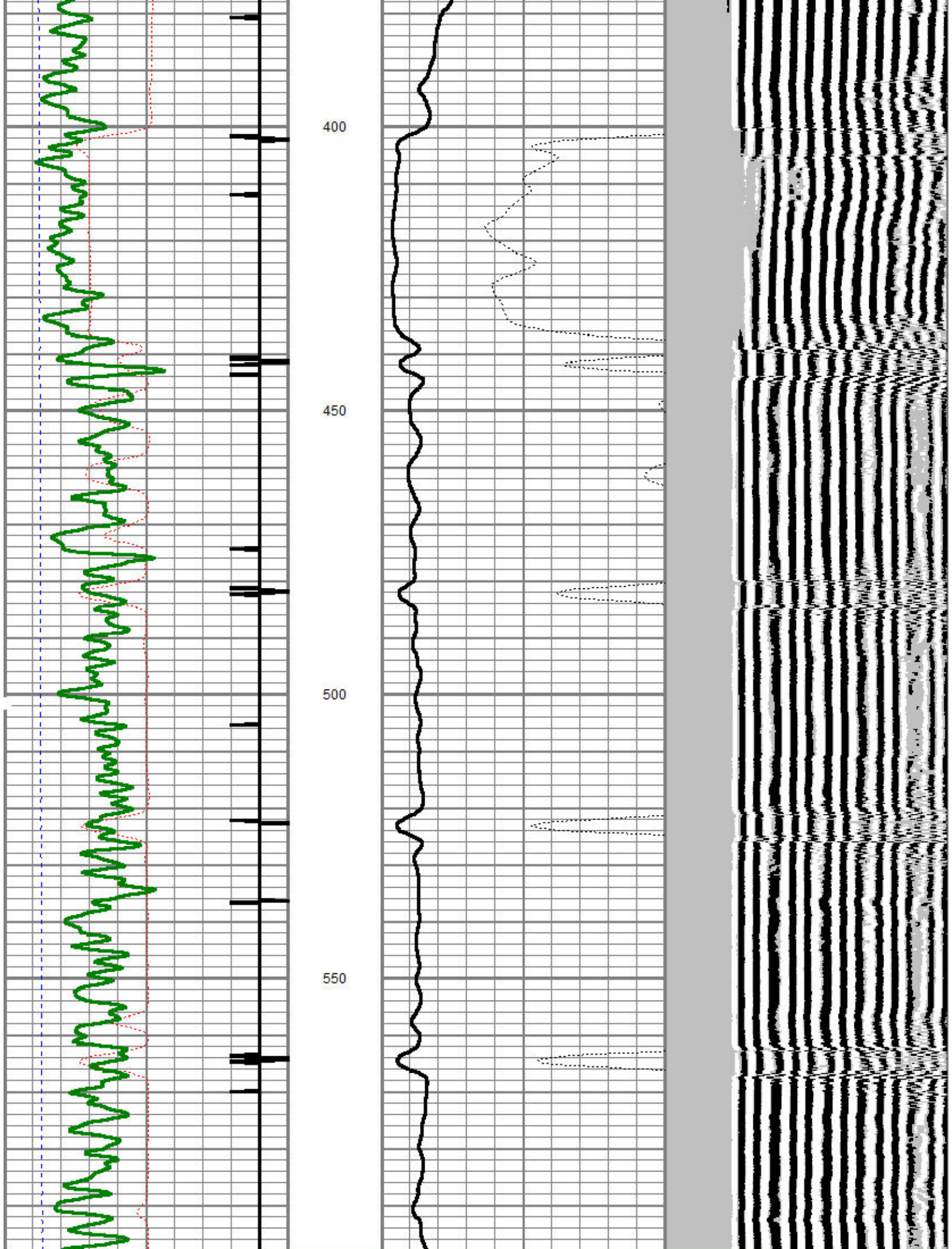
200

250

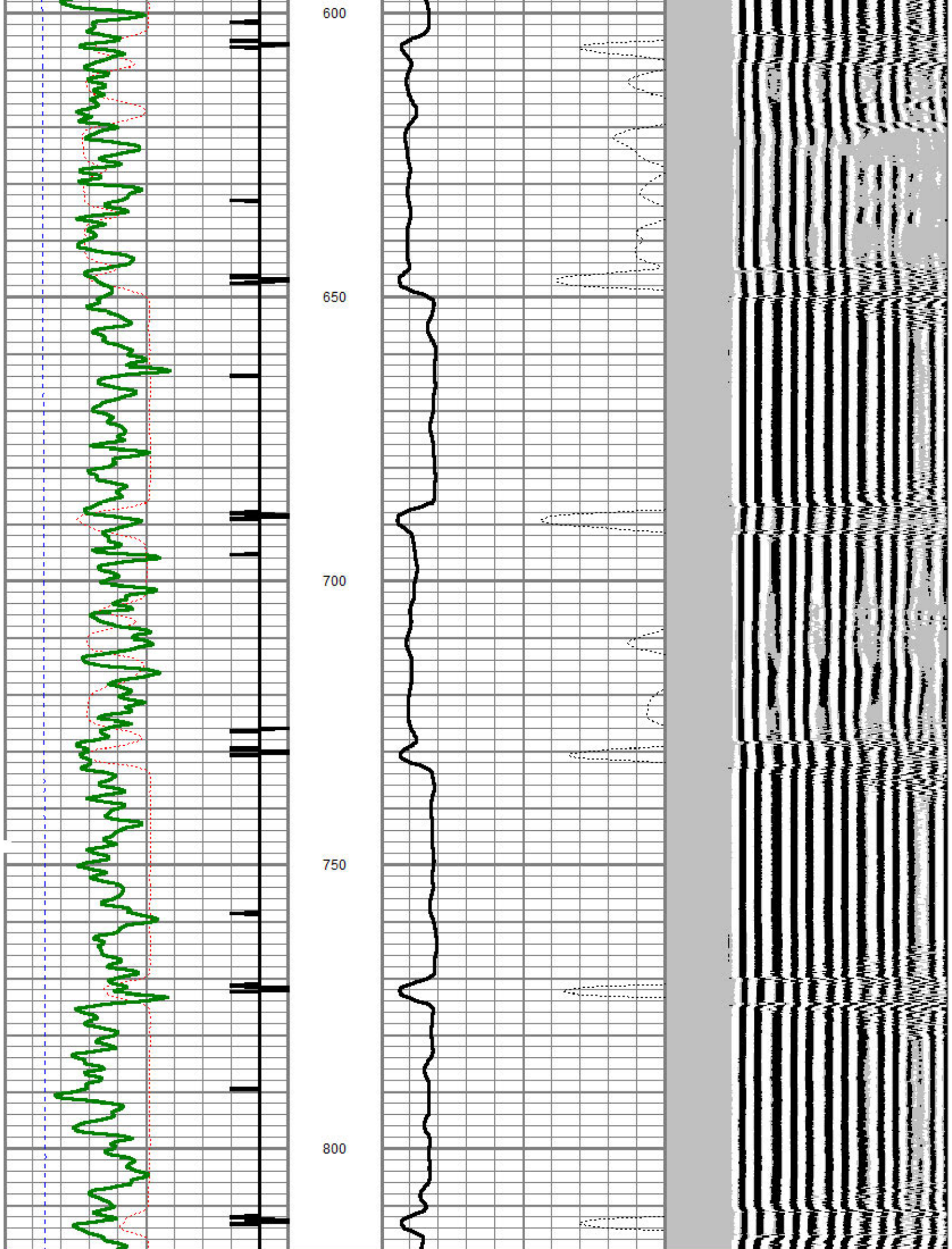
300

350

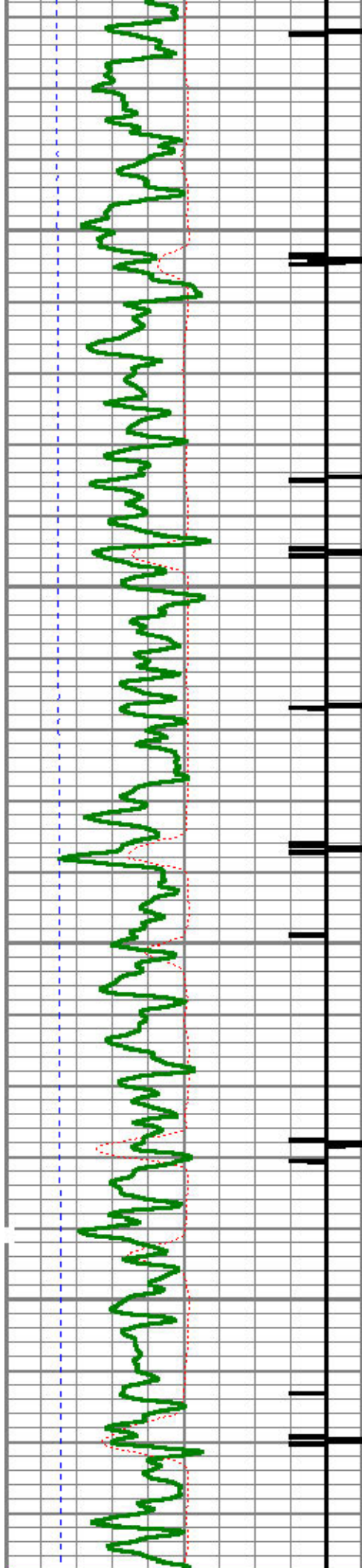










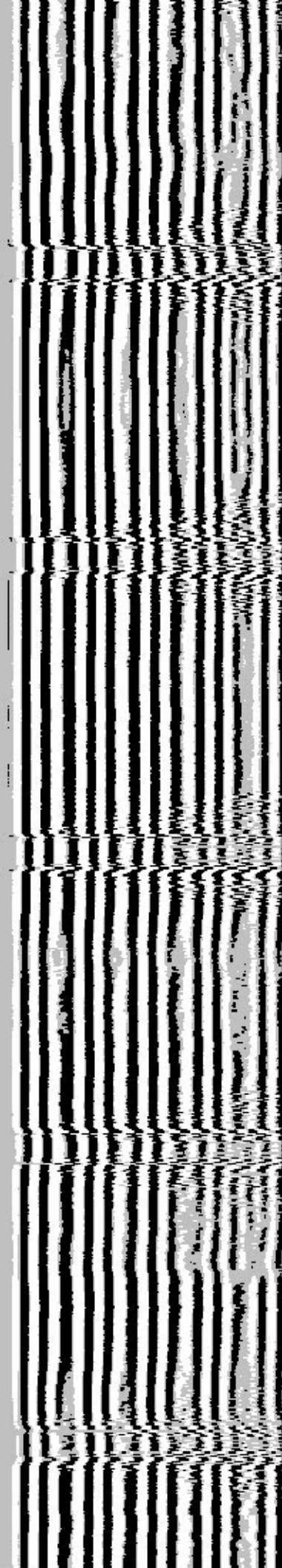
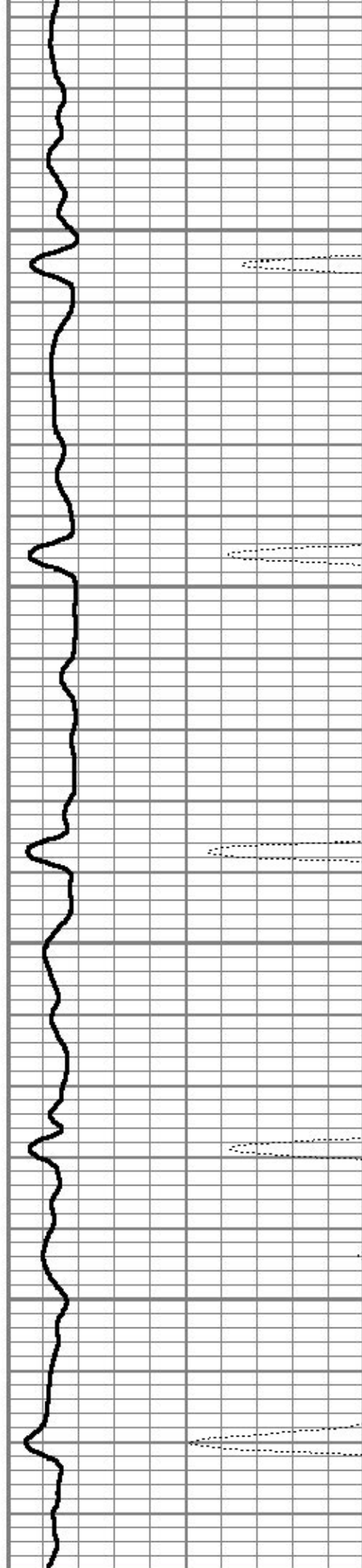


850

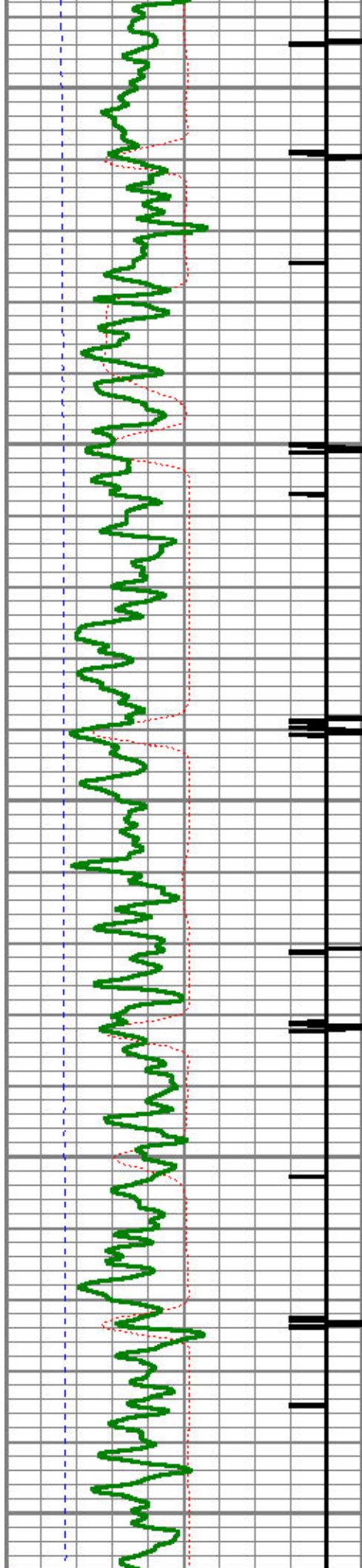
900

950

1000







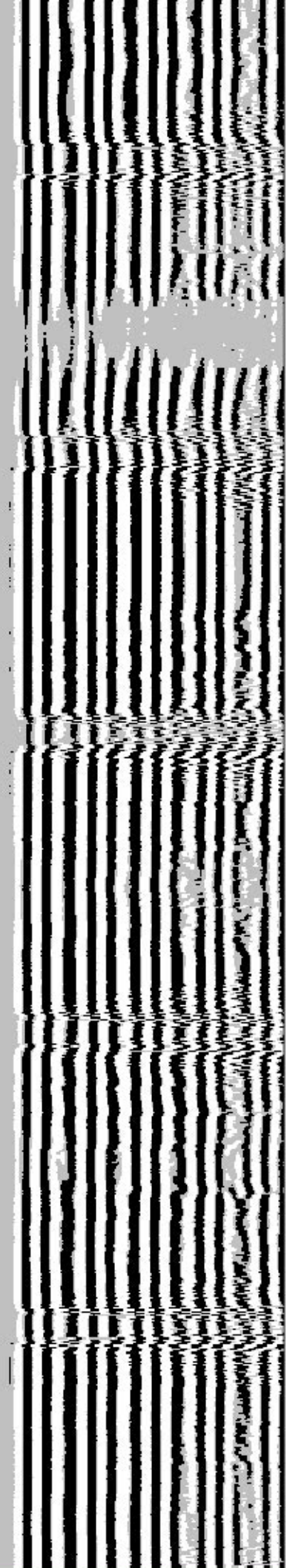
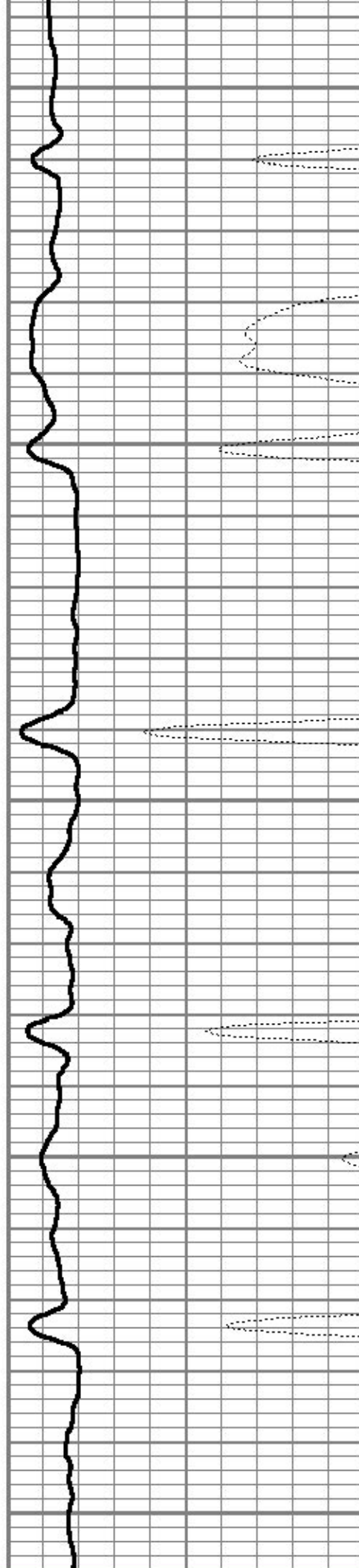
1050

1100

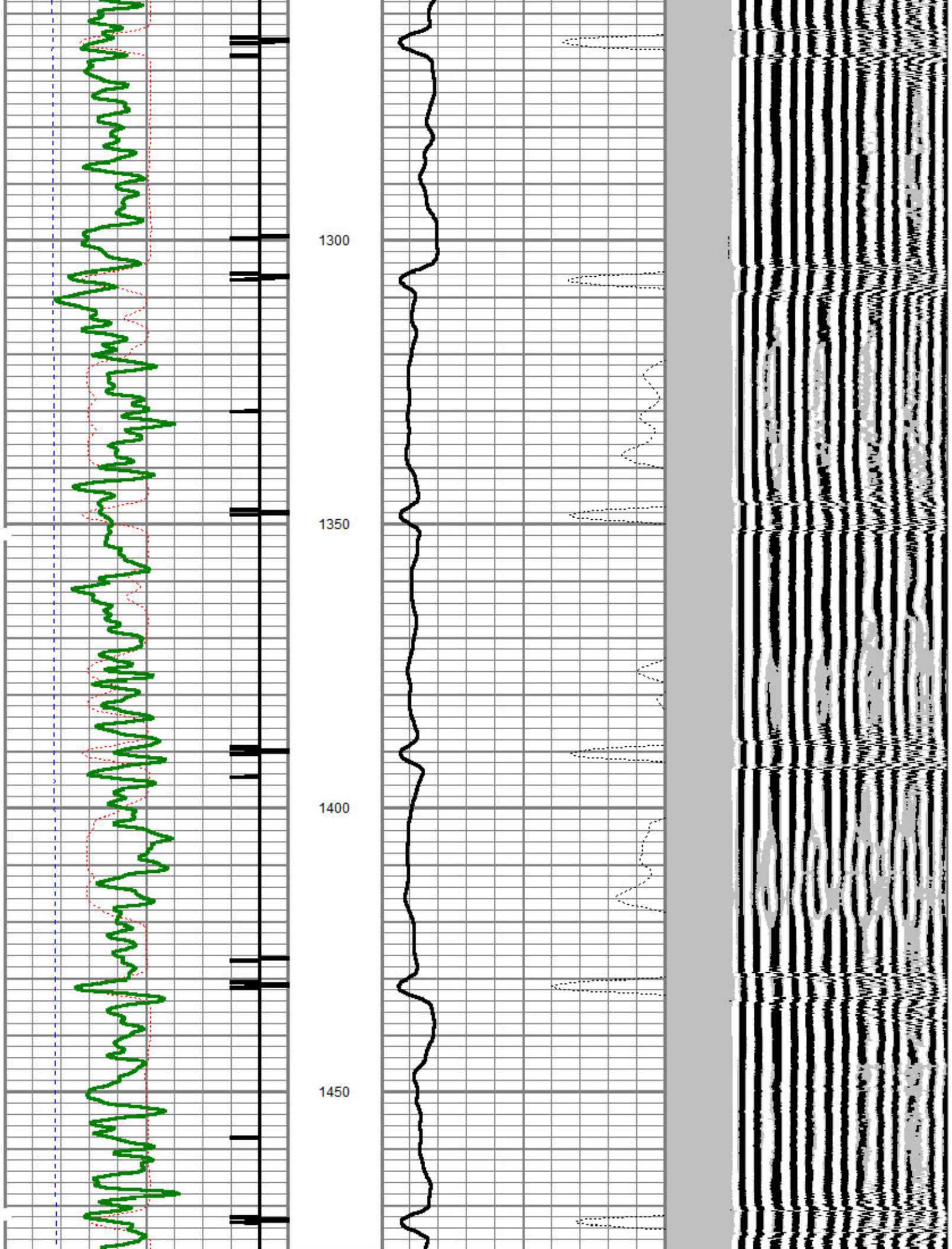
1150

1200

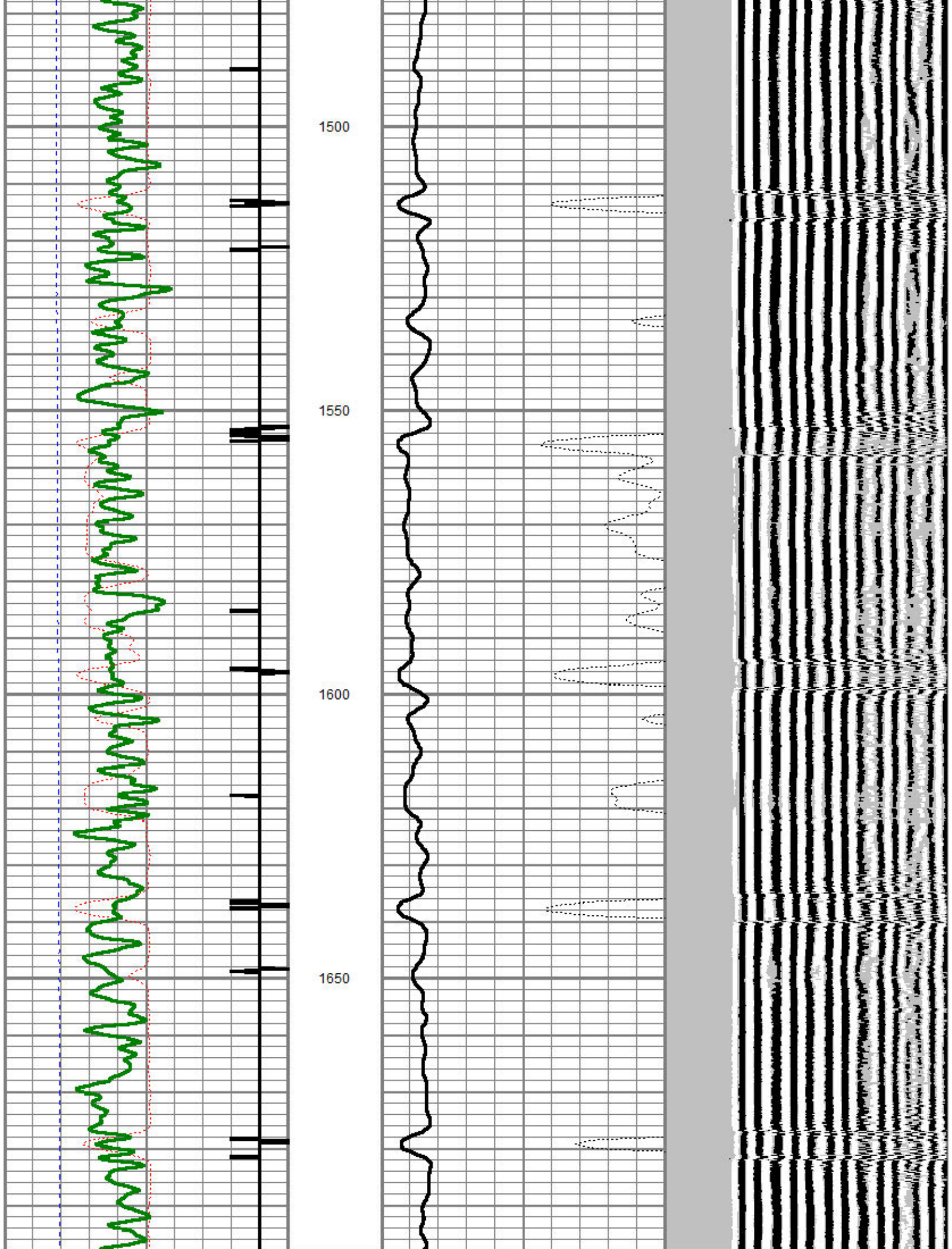
1250



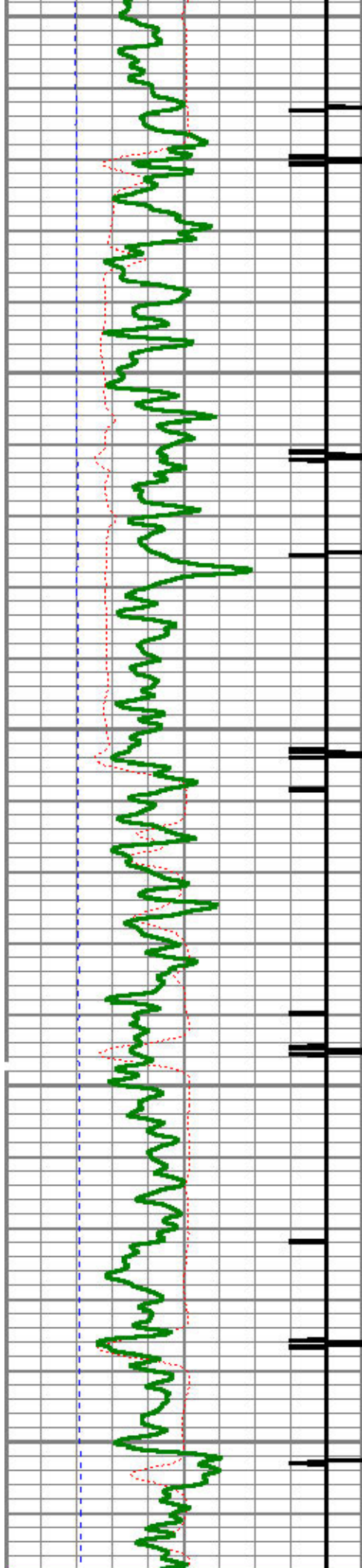












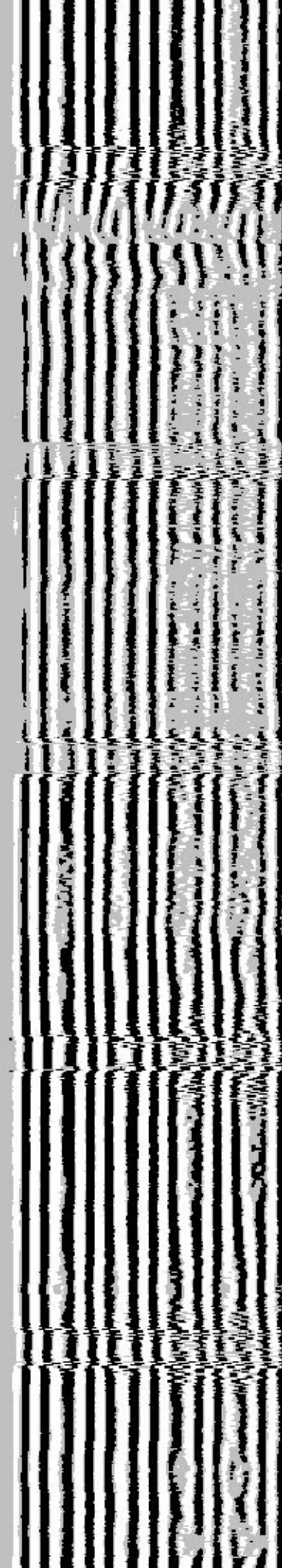
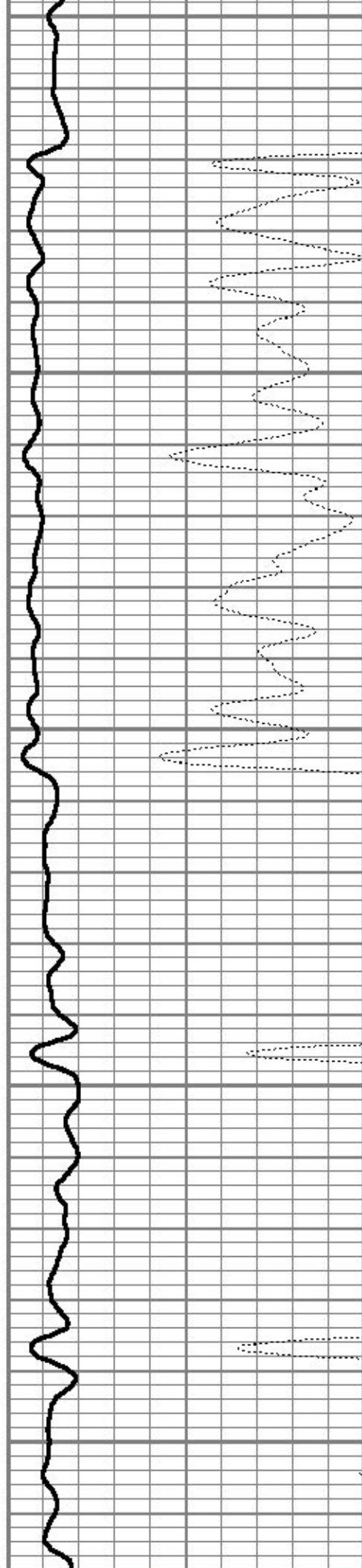
1700

1750

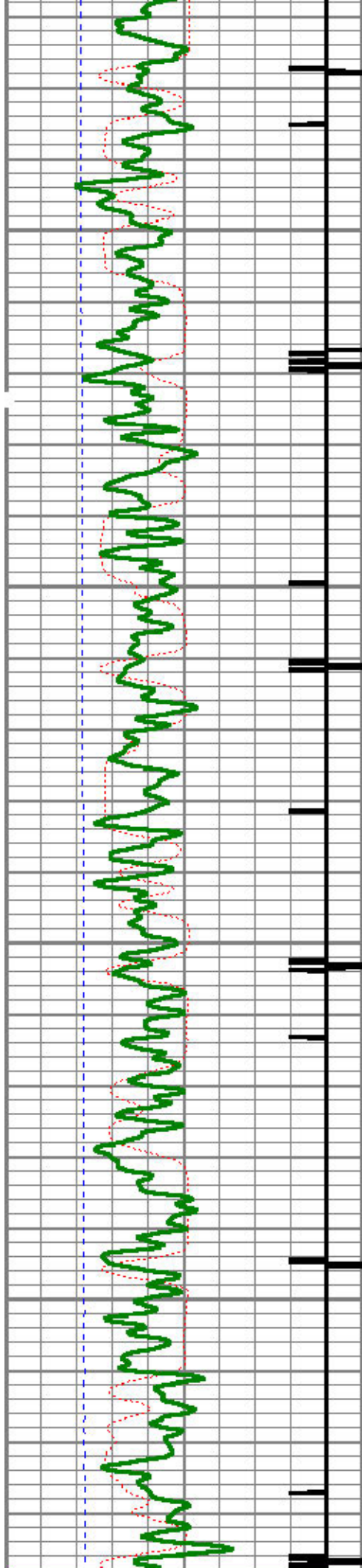
1800

1850

1900





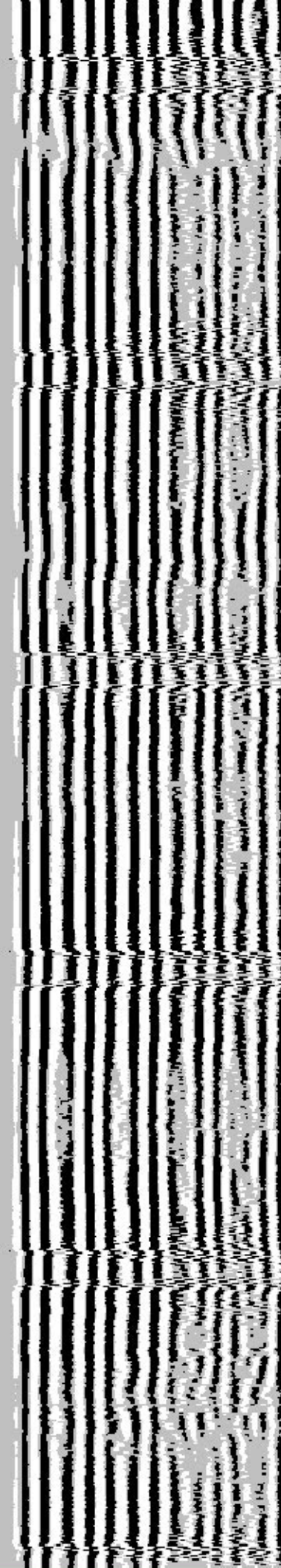
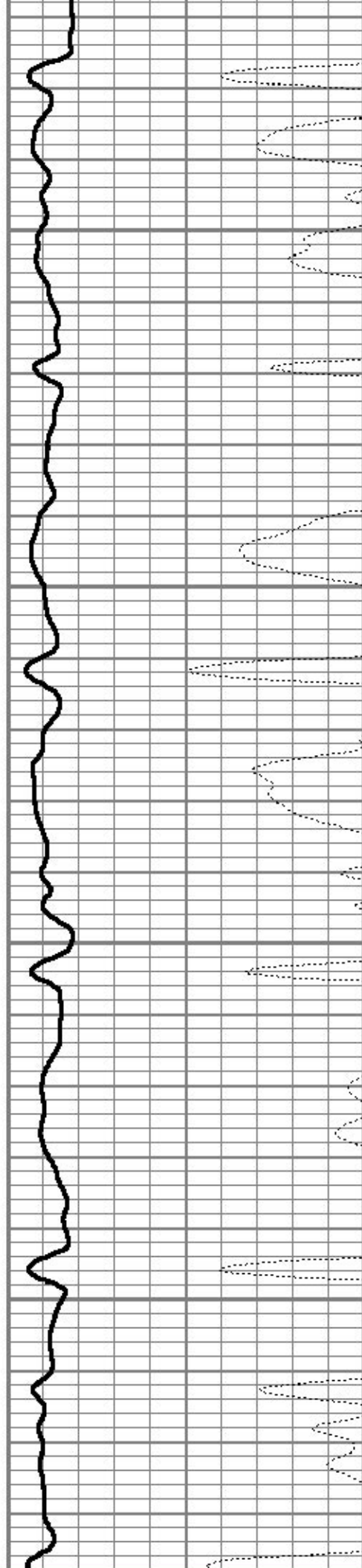


1950

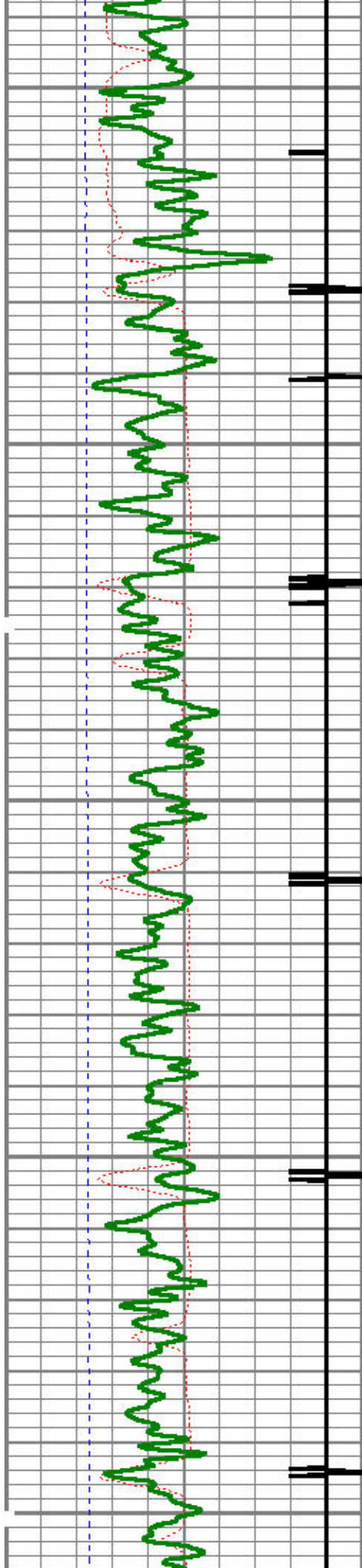
2000

2050

2100







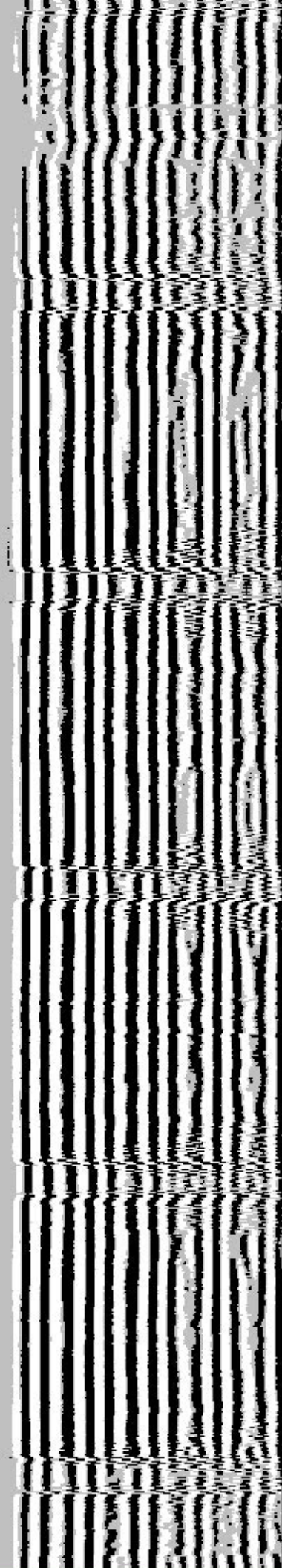
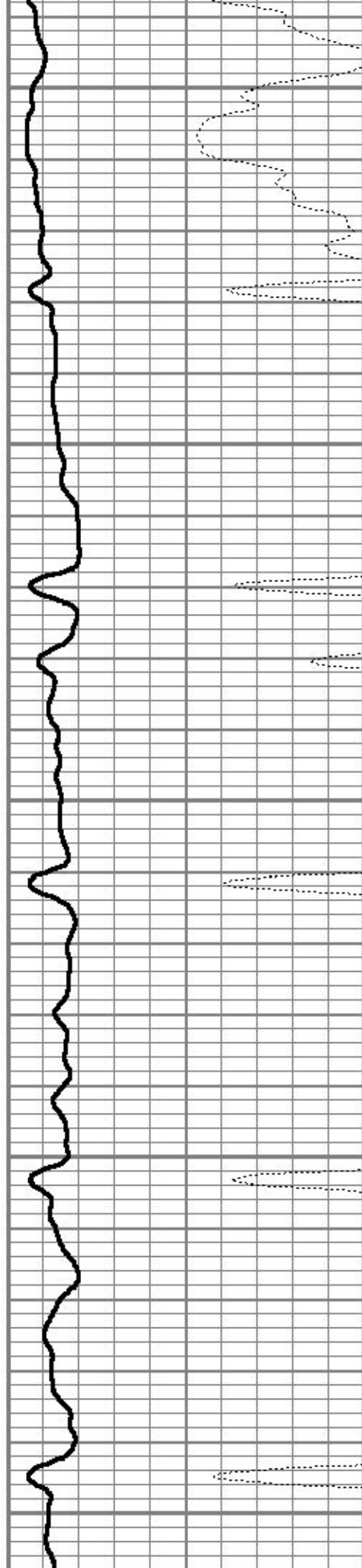
2150

2200

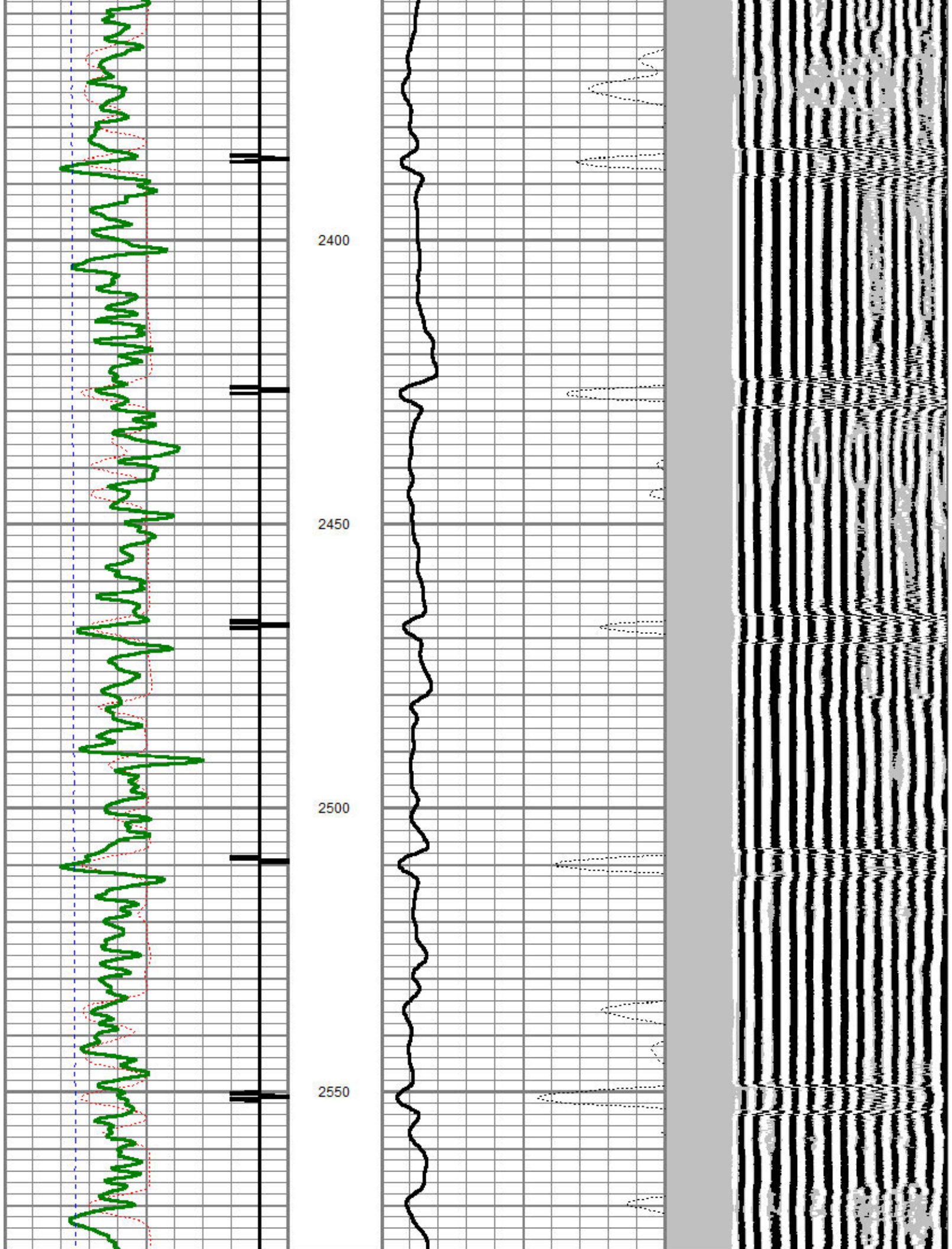
2250

2300

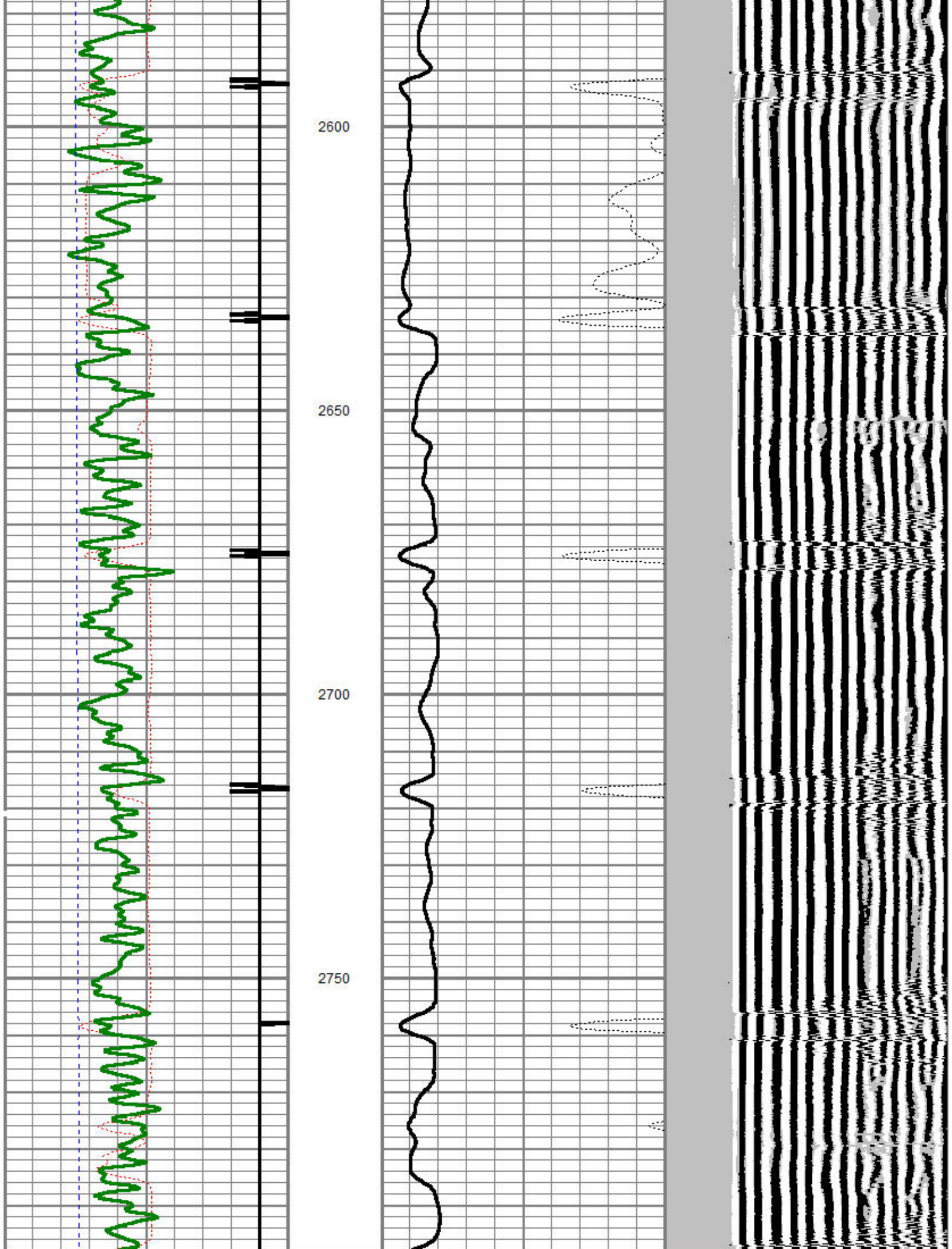
2350



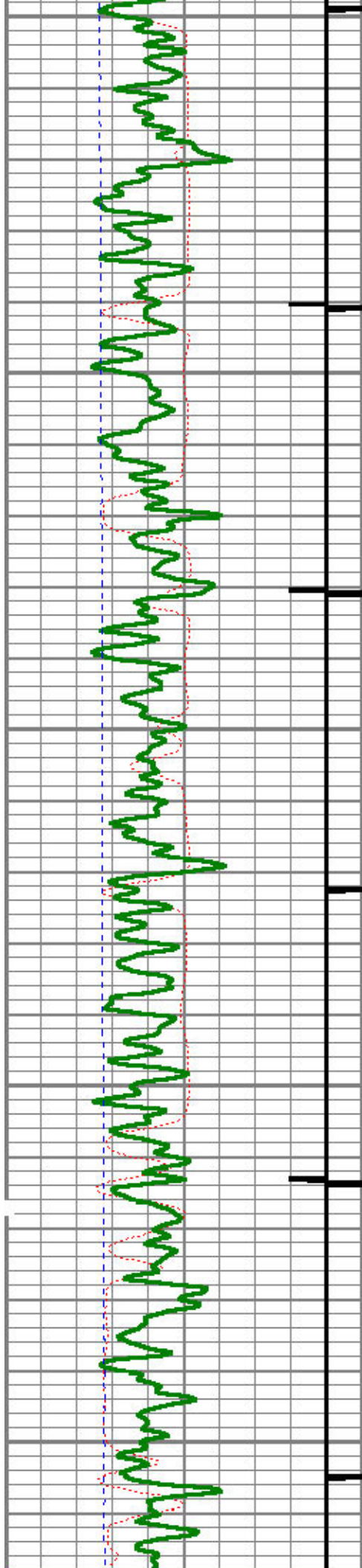












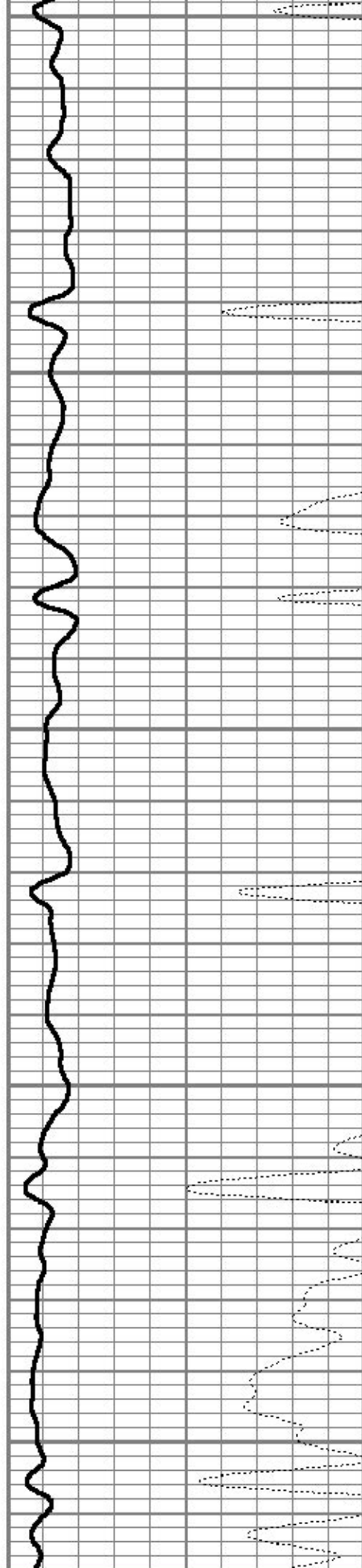
2800

2850

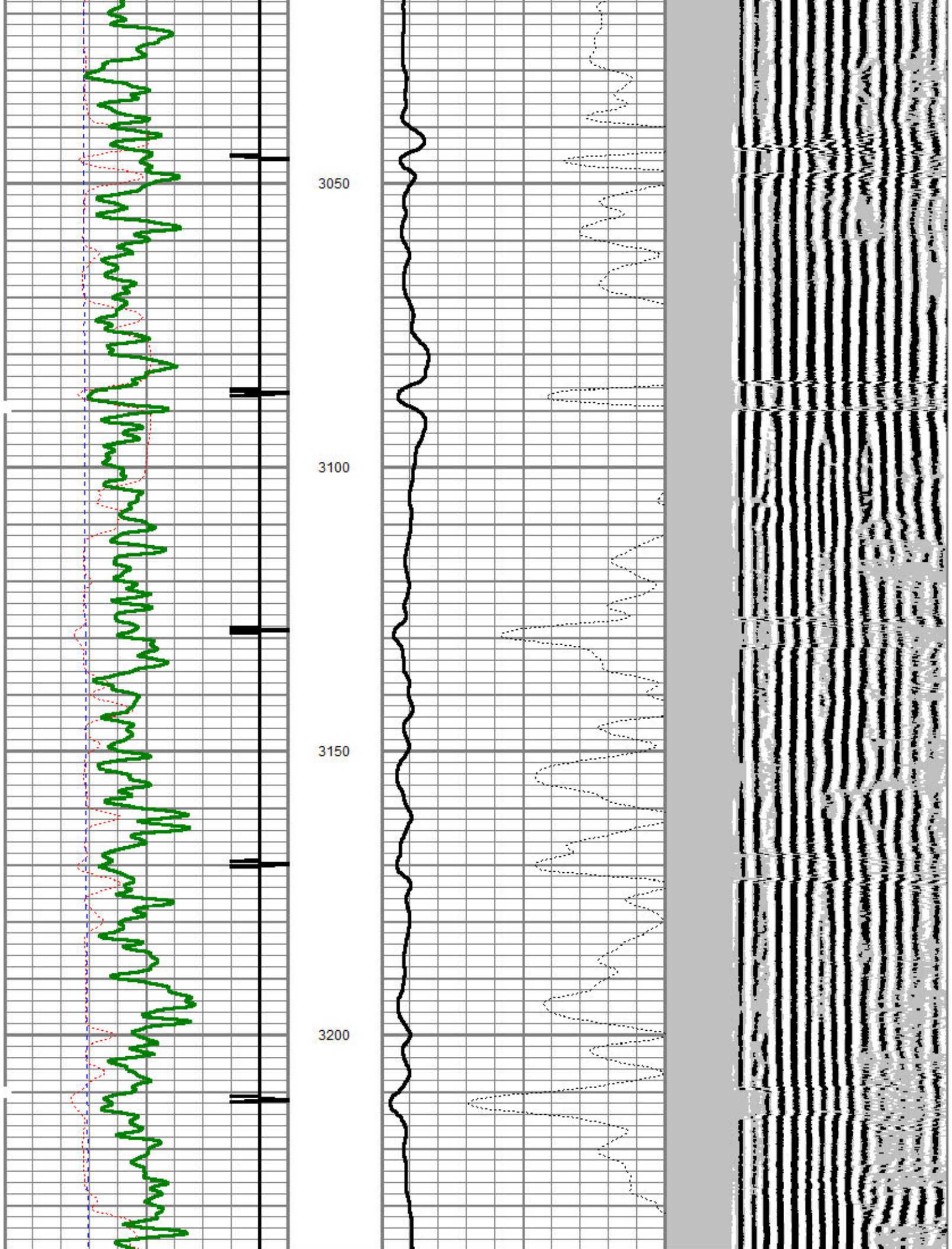
2900

2950

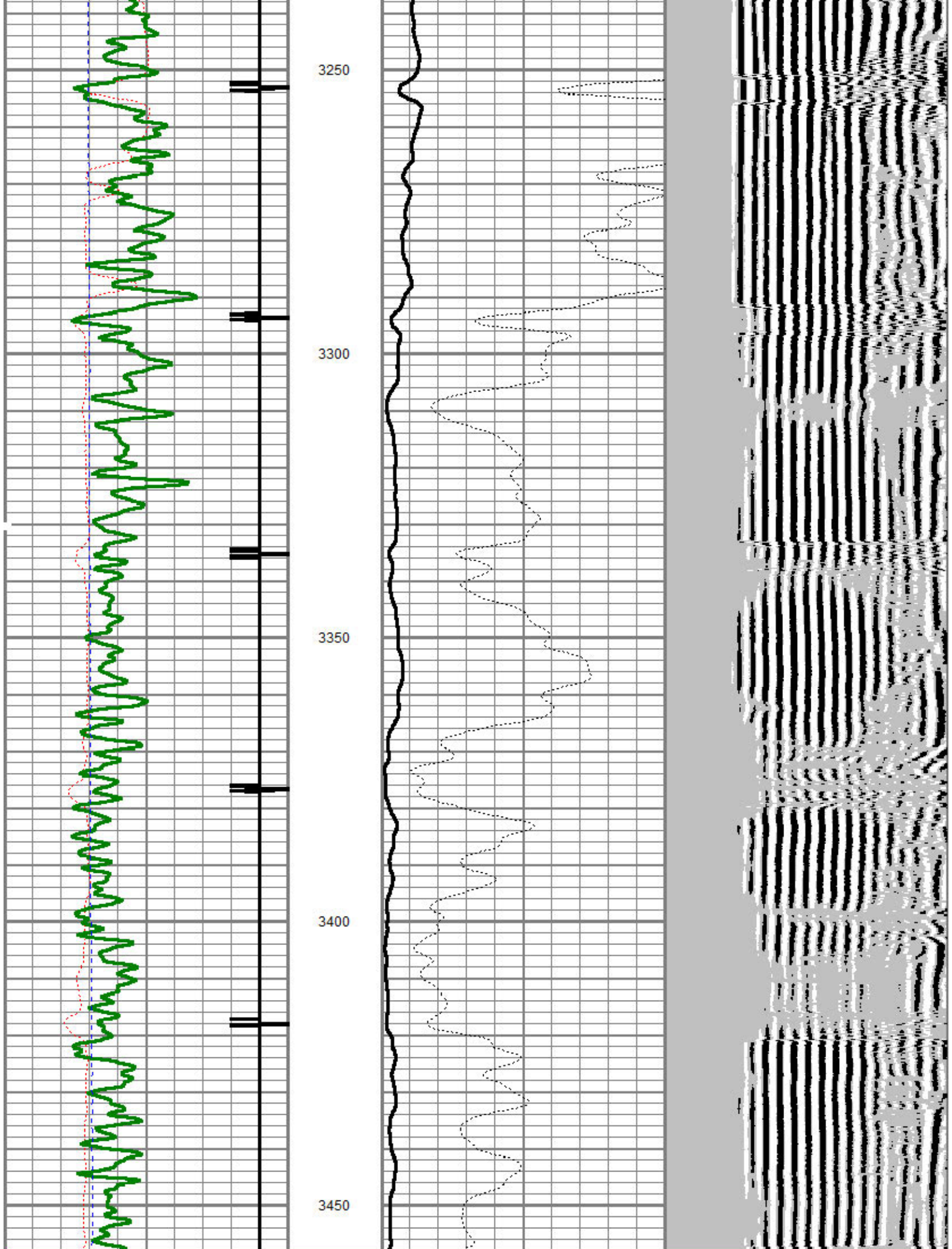
3000

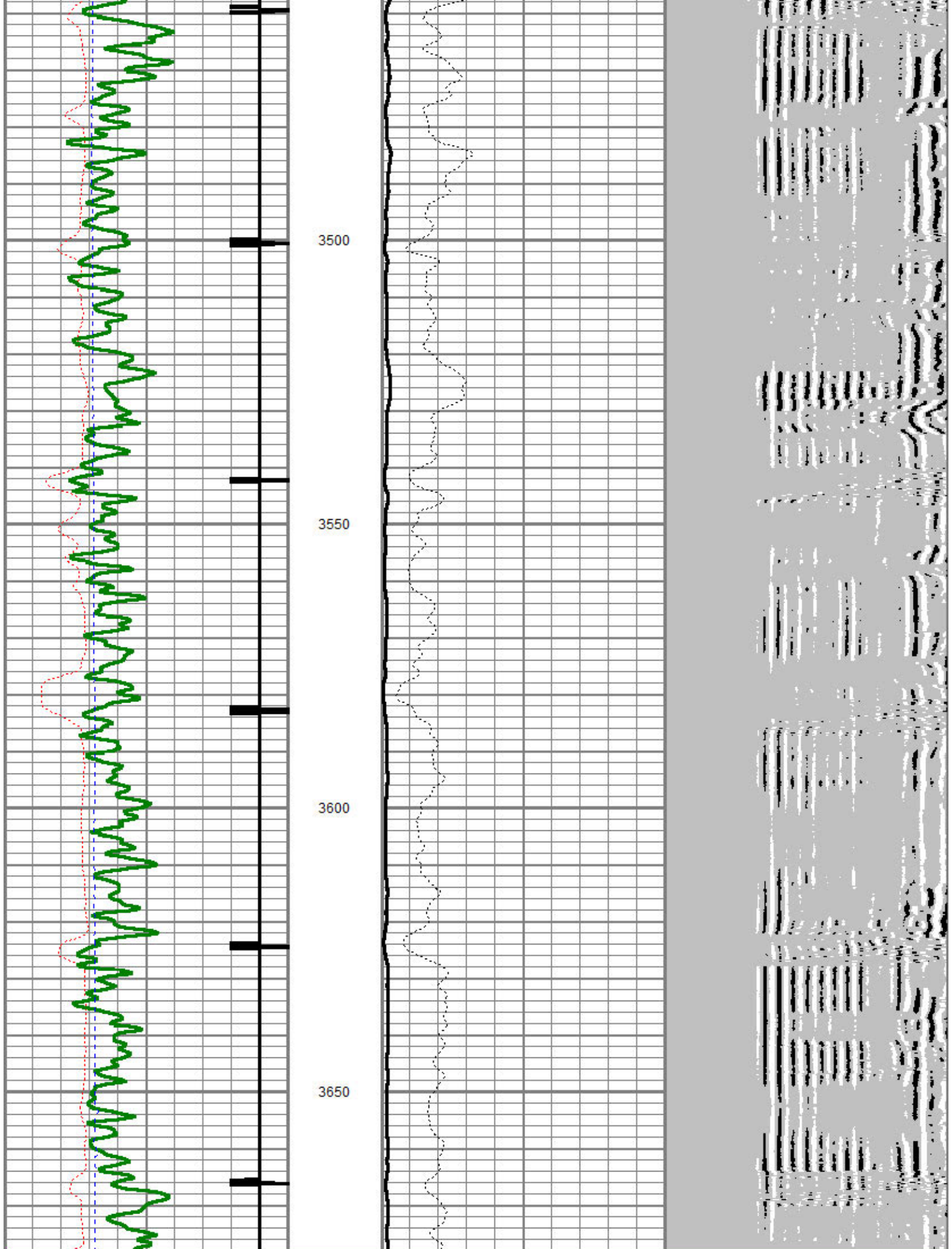




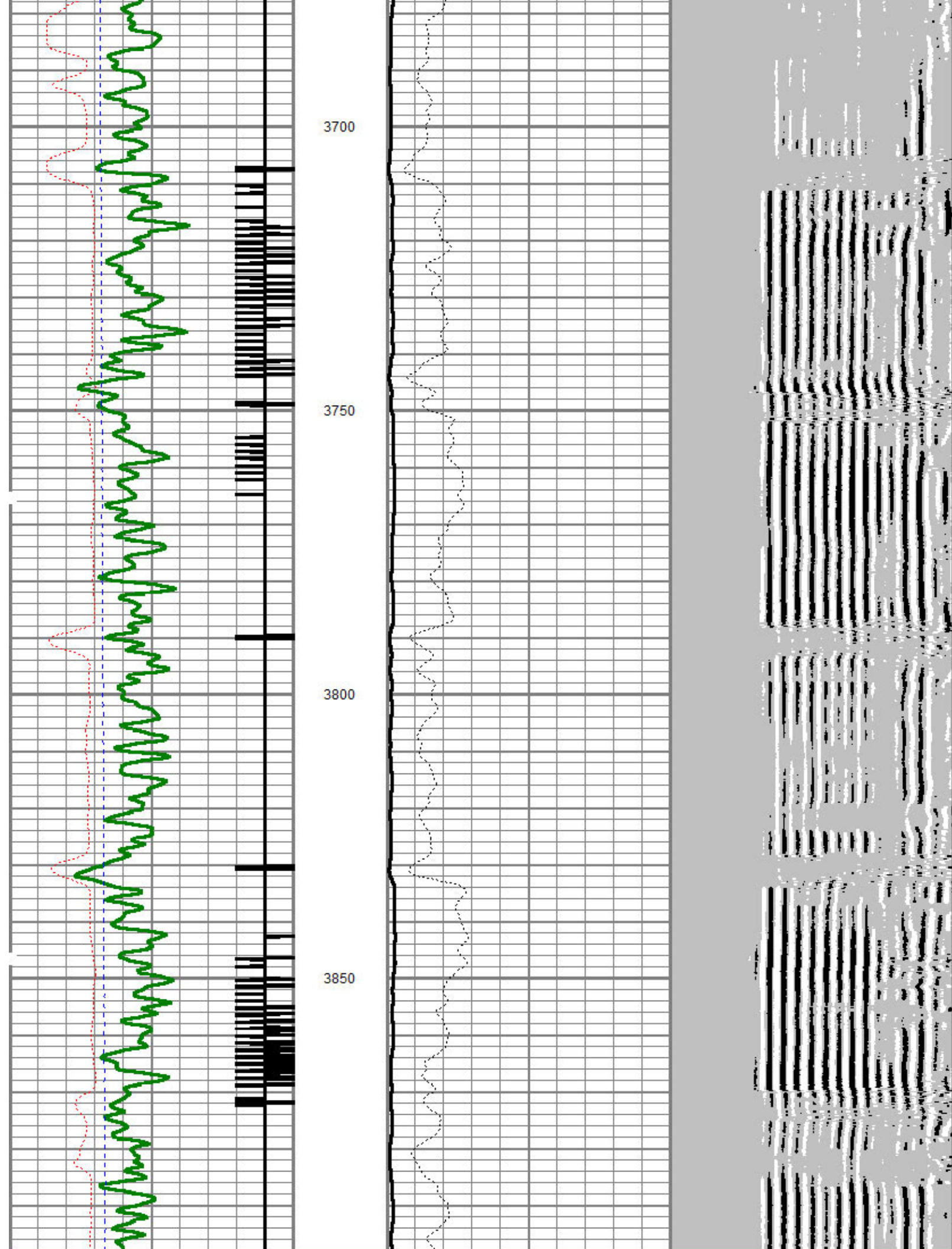


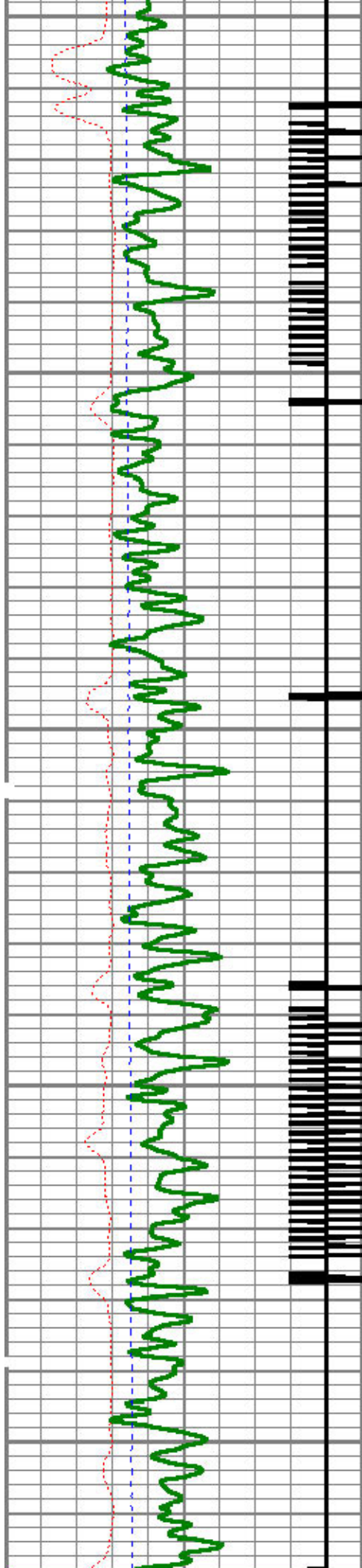












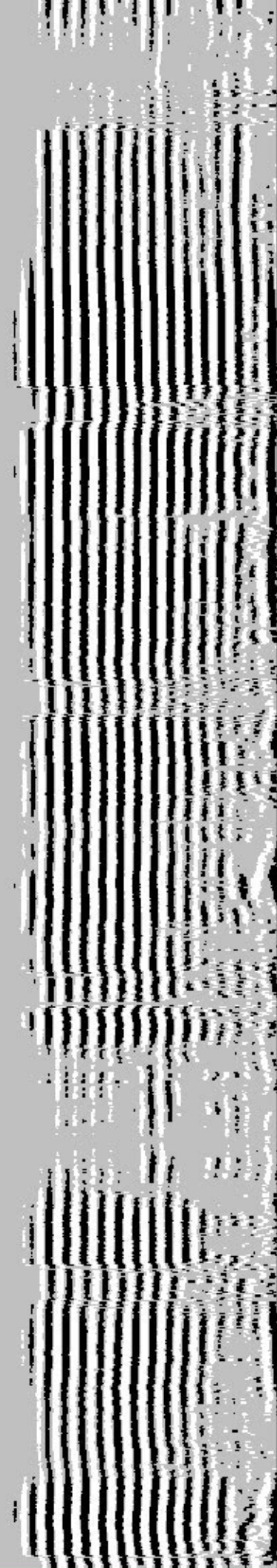
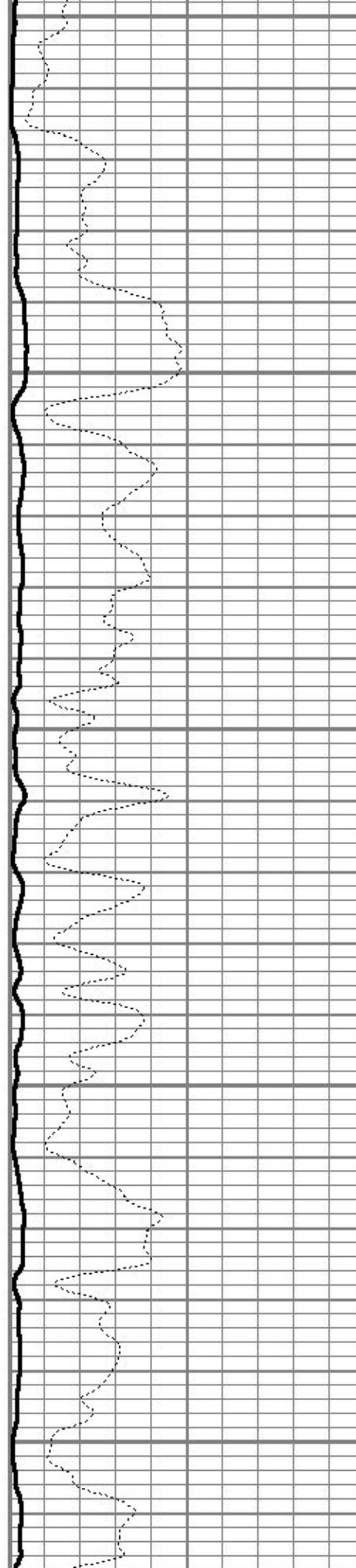
3900

3950

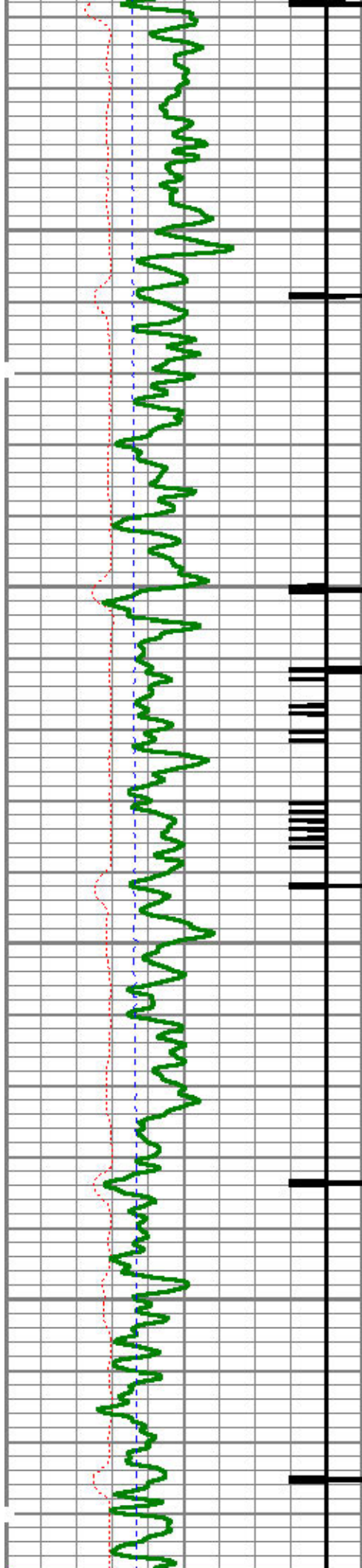
4000

4050

4100





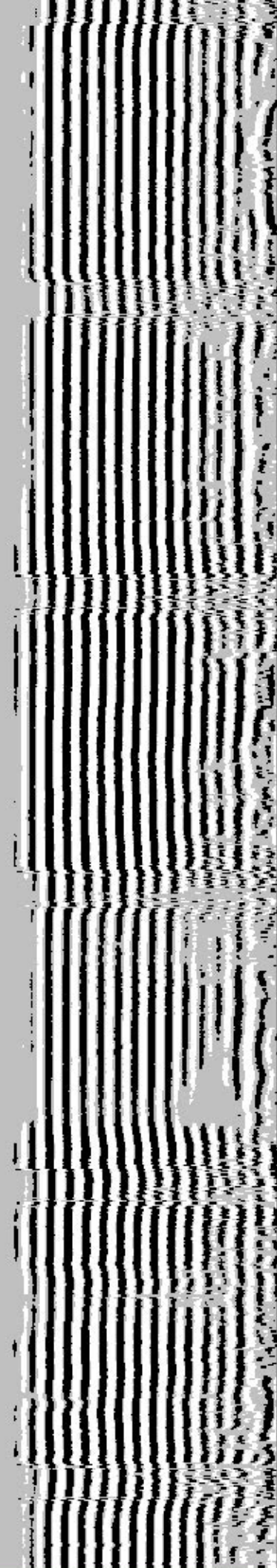
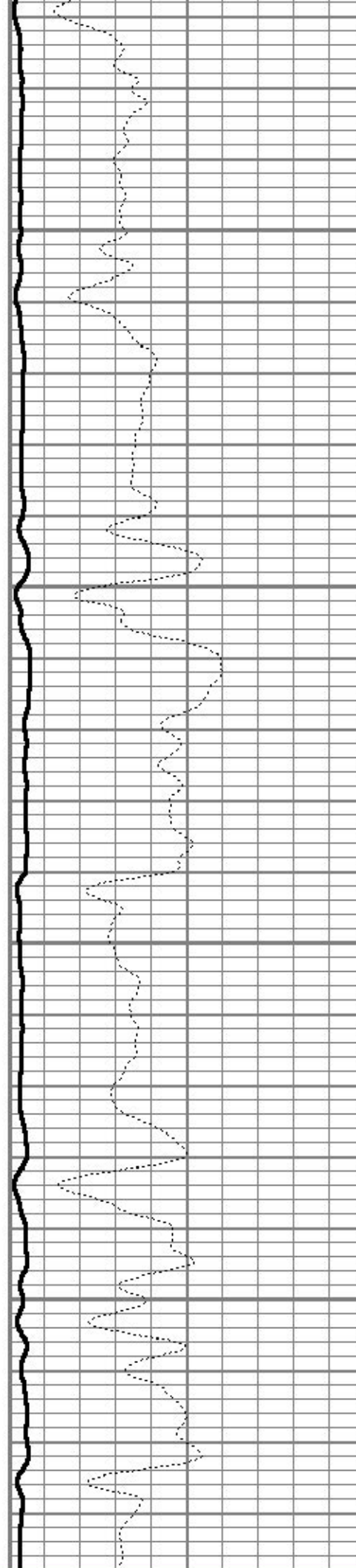


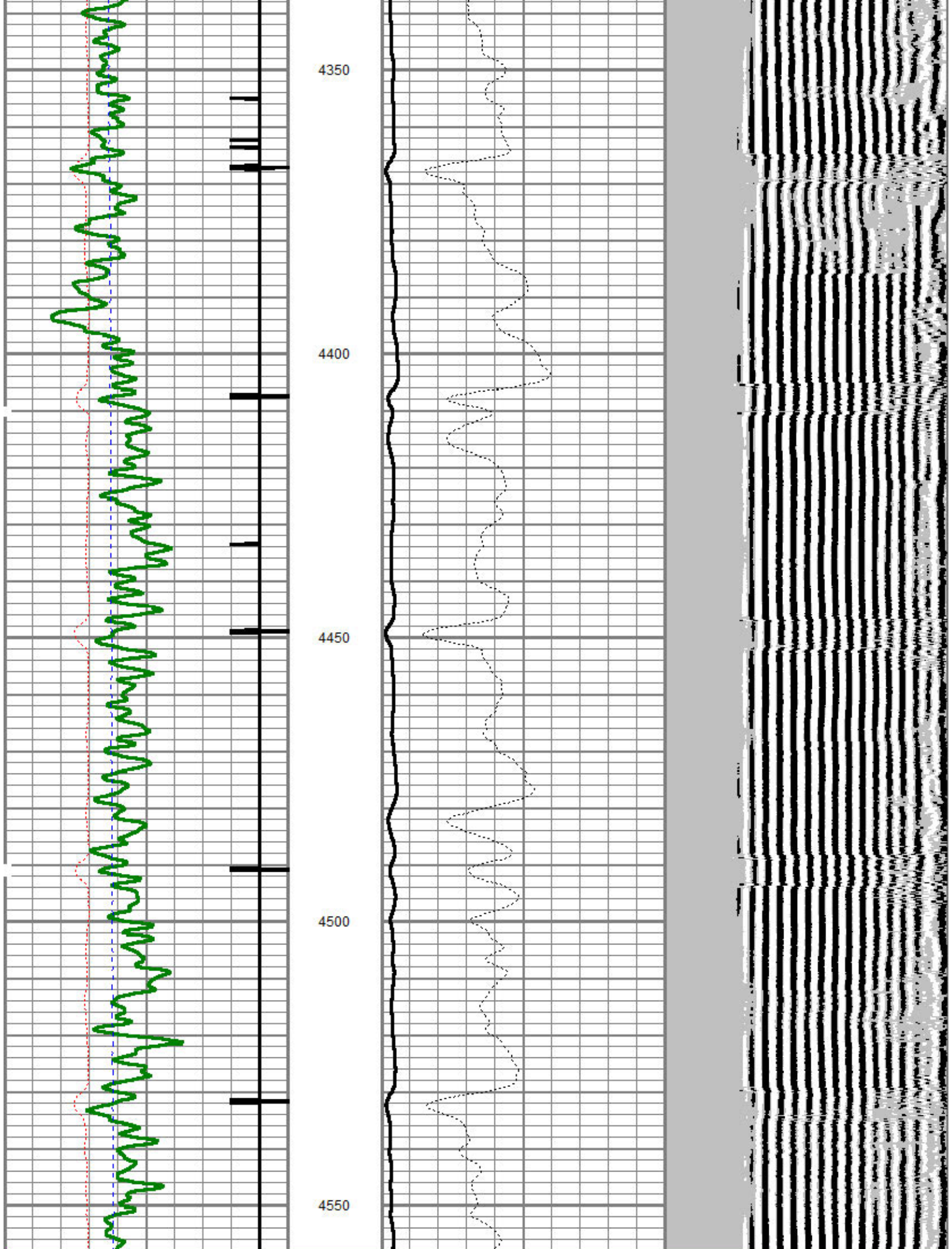
4150

4200

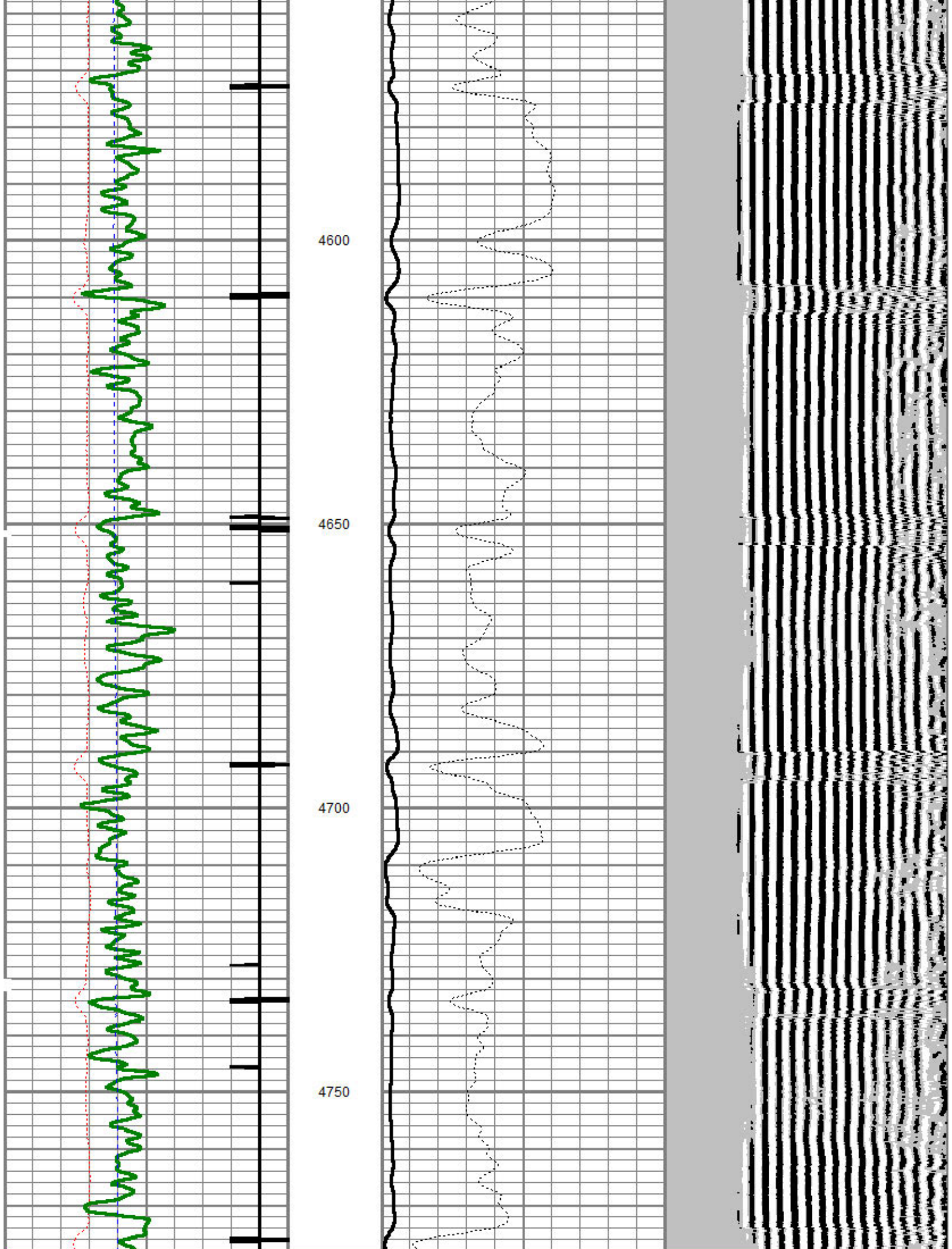
4250

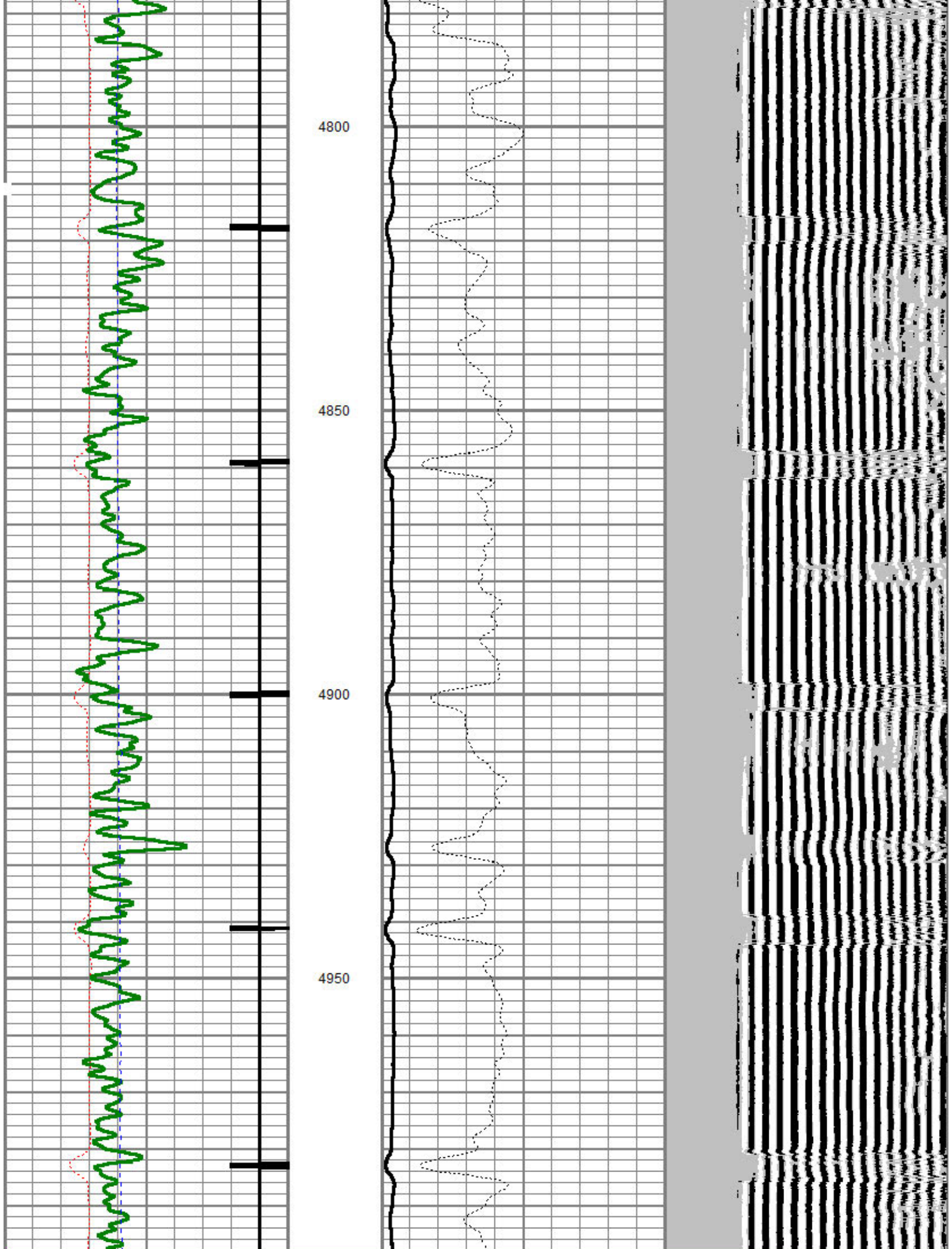
4300



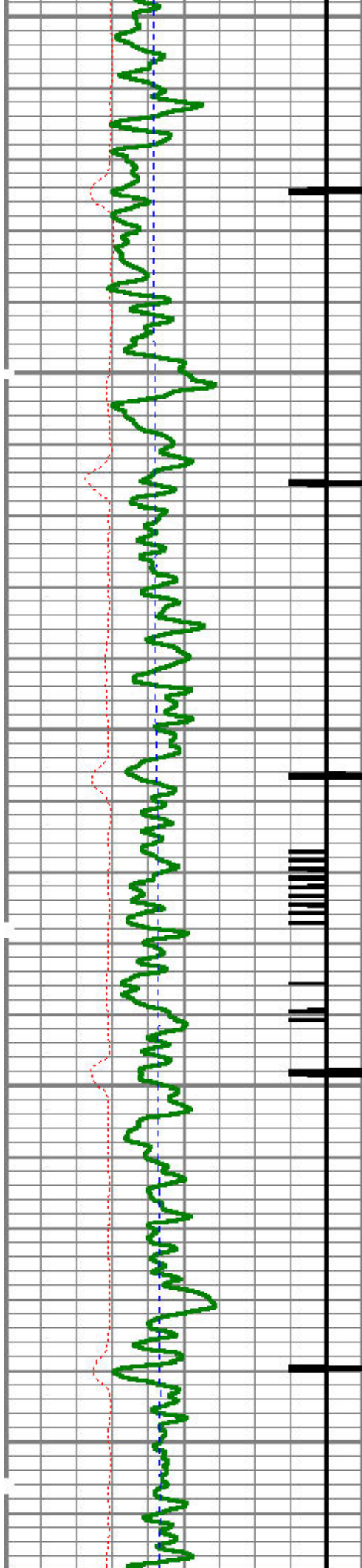












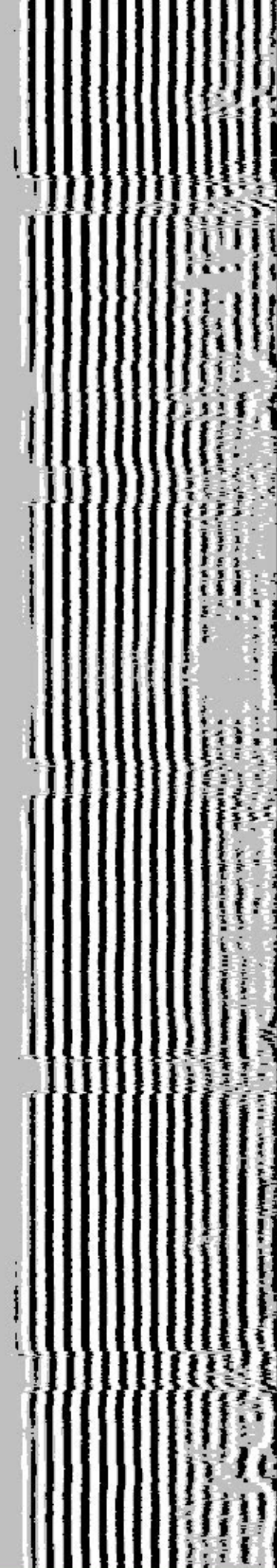
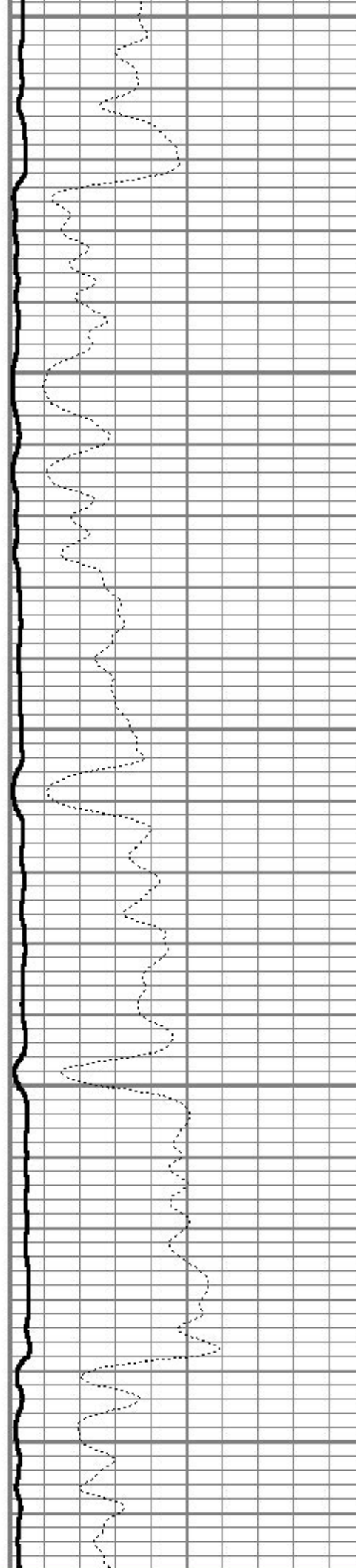
5000

5050

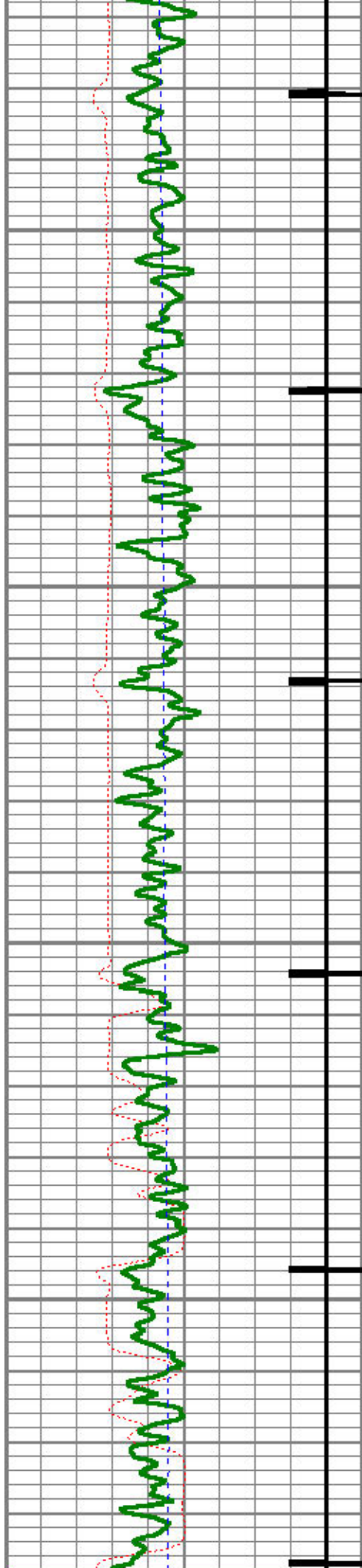
5100

5150

5200





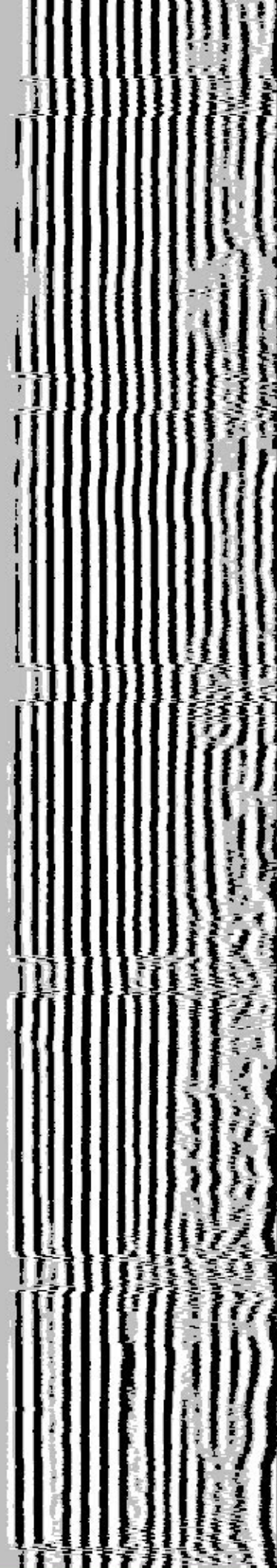
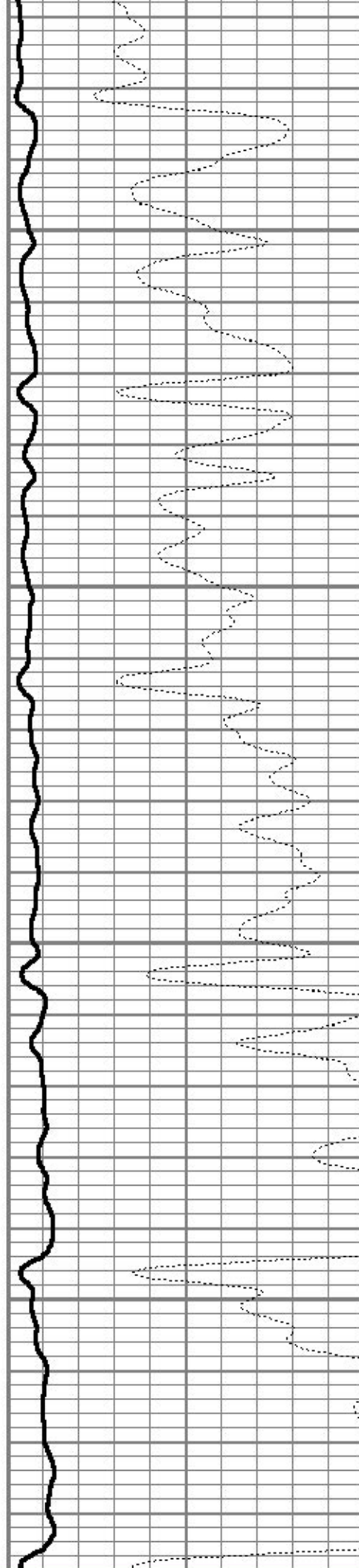


5250

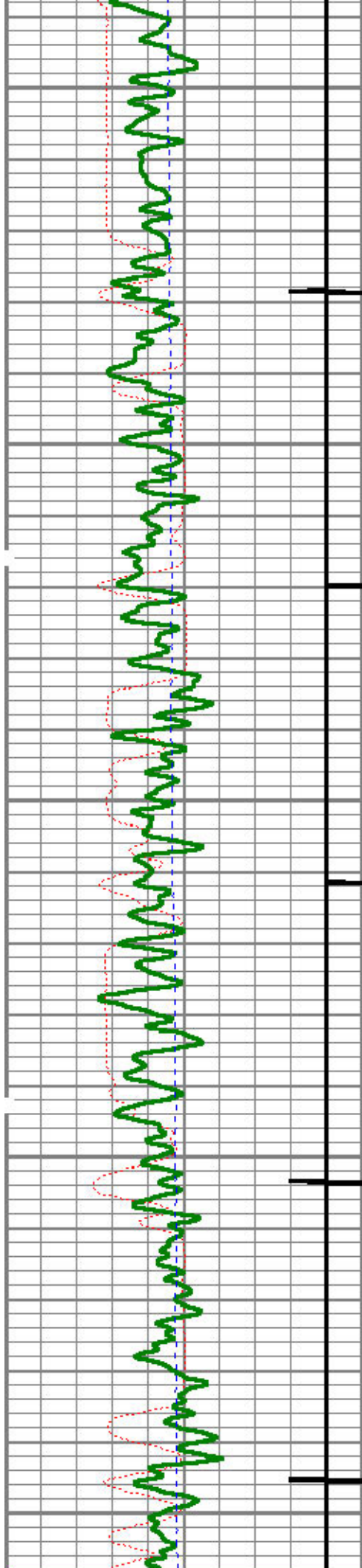
5300

5350

5400







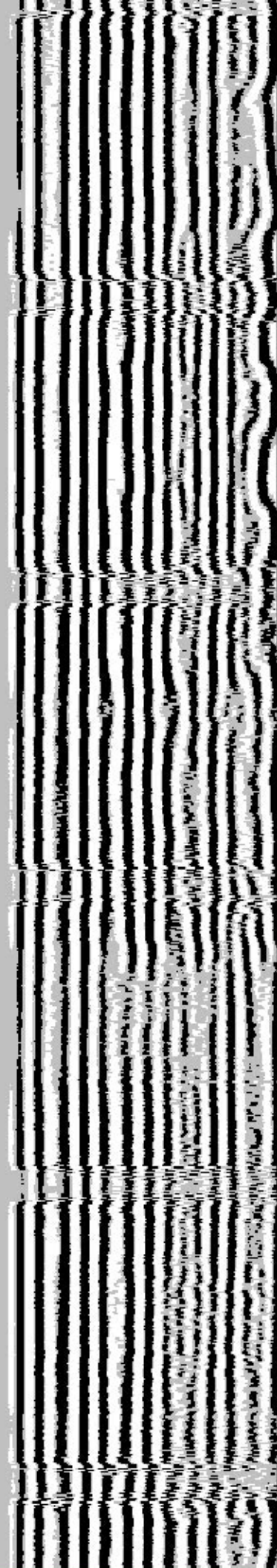
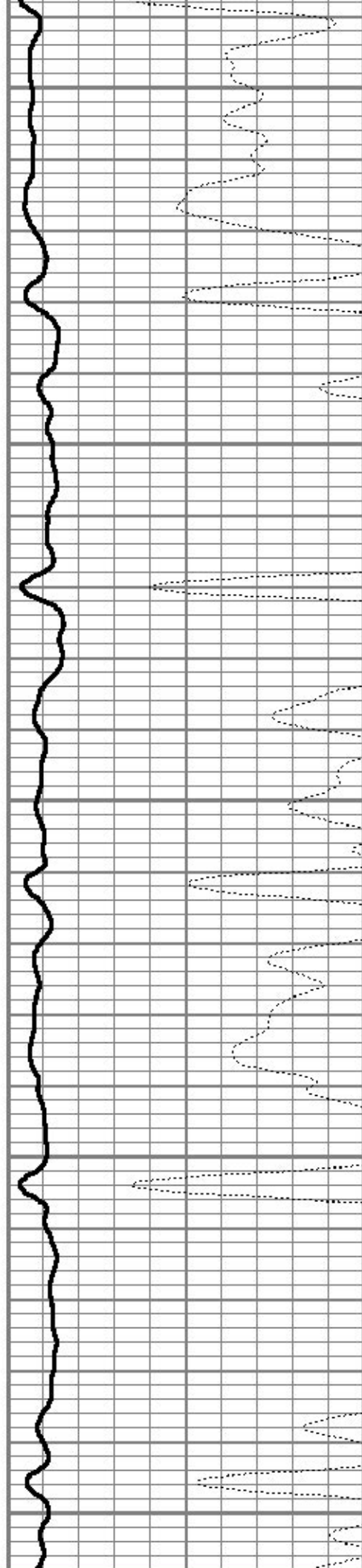
5450

5500

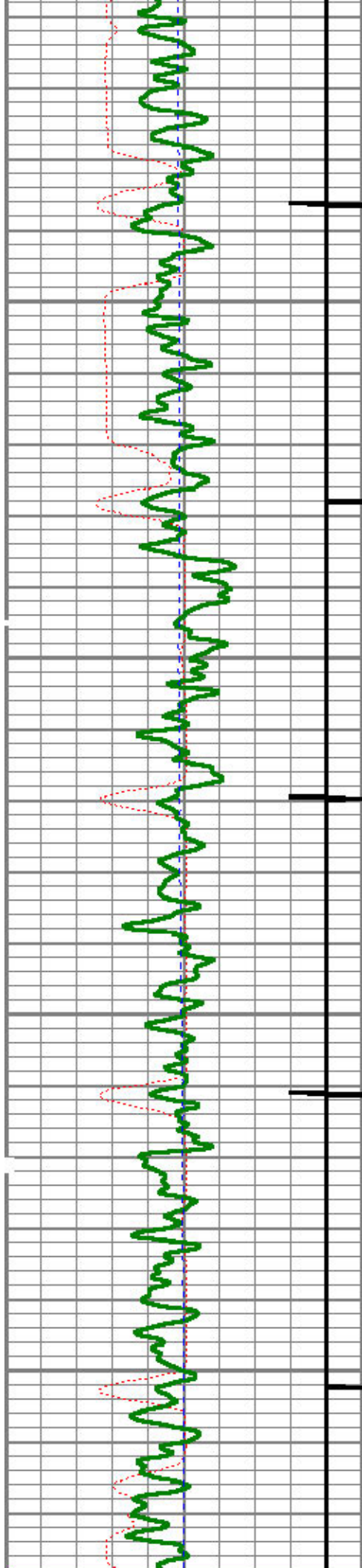
5550

5600

5650





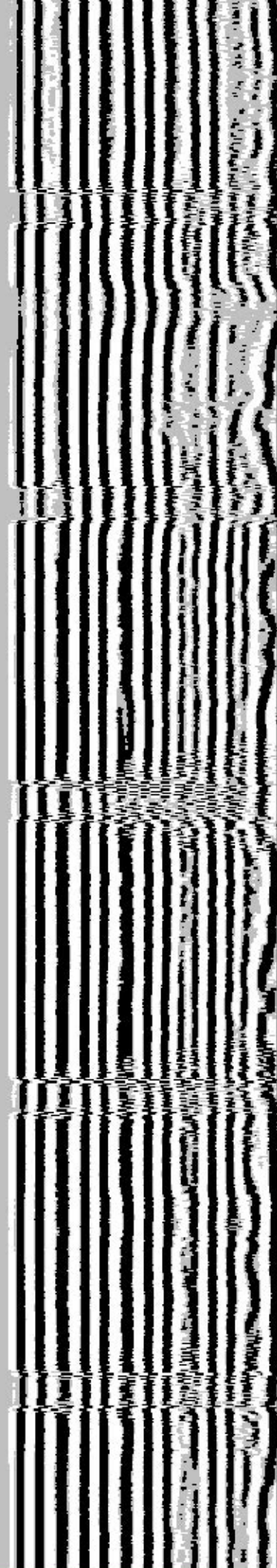


5700

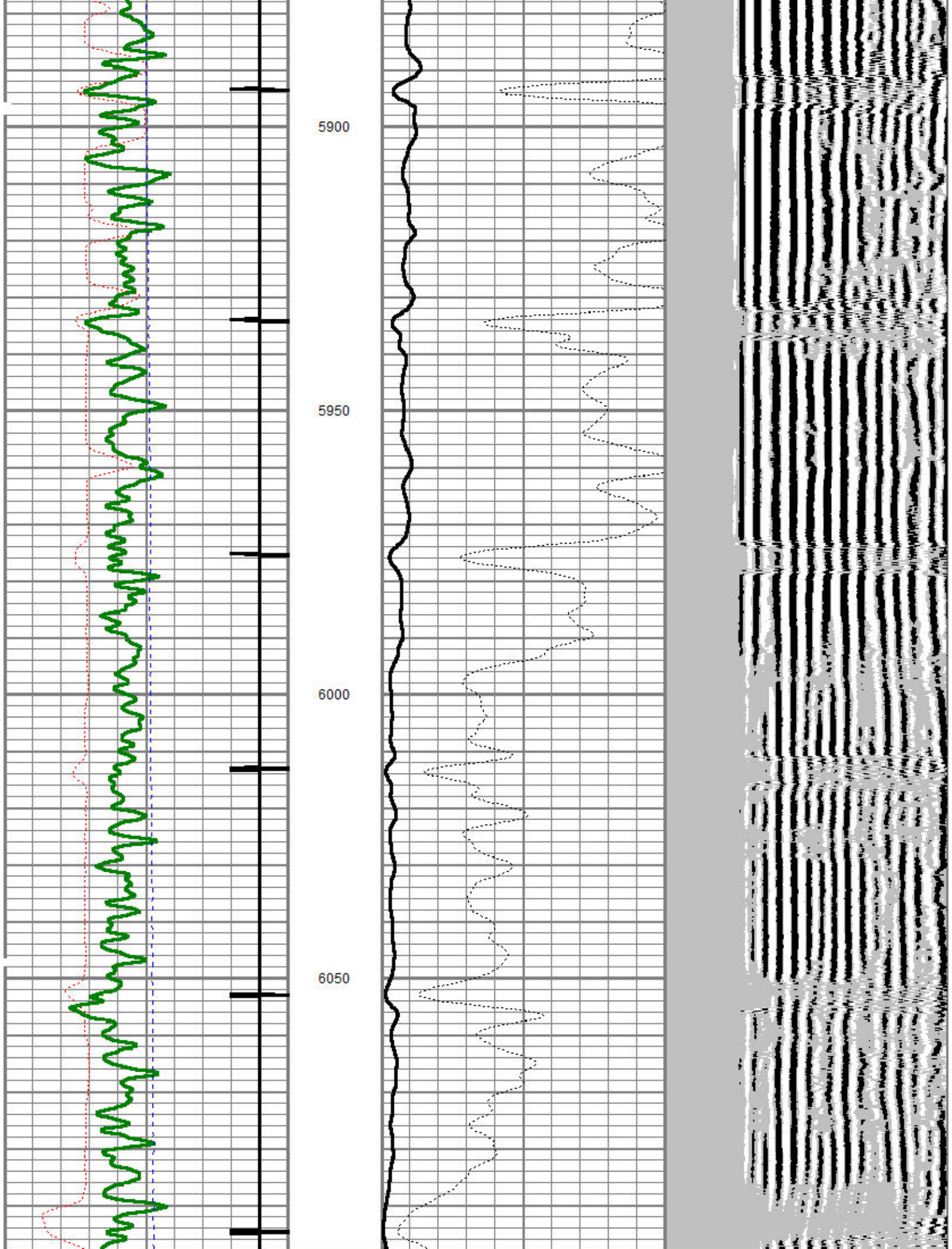
5750

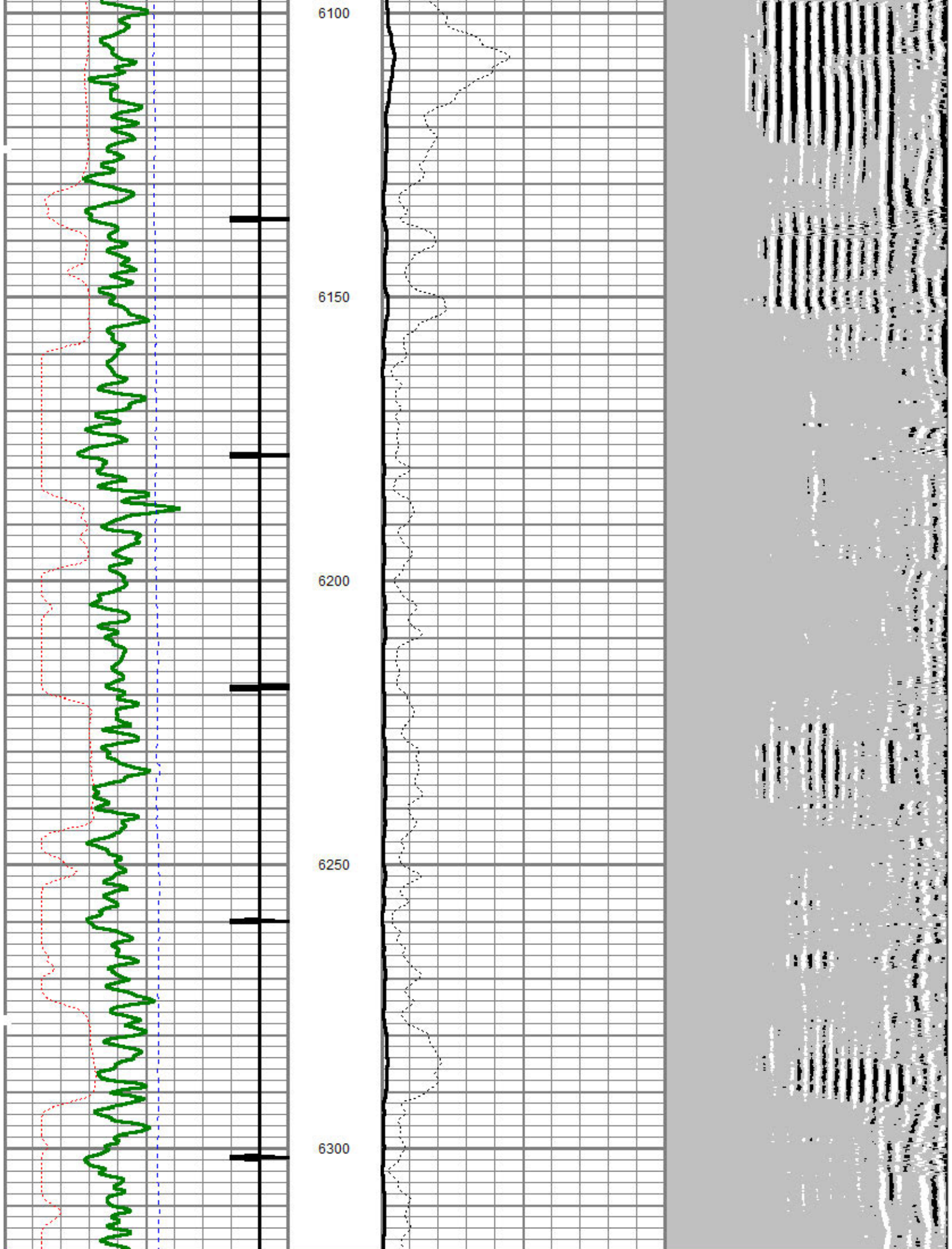
5800

5850

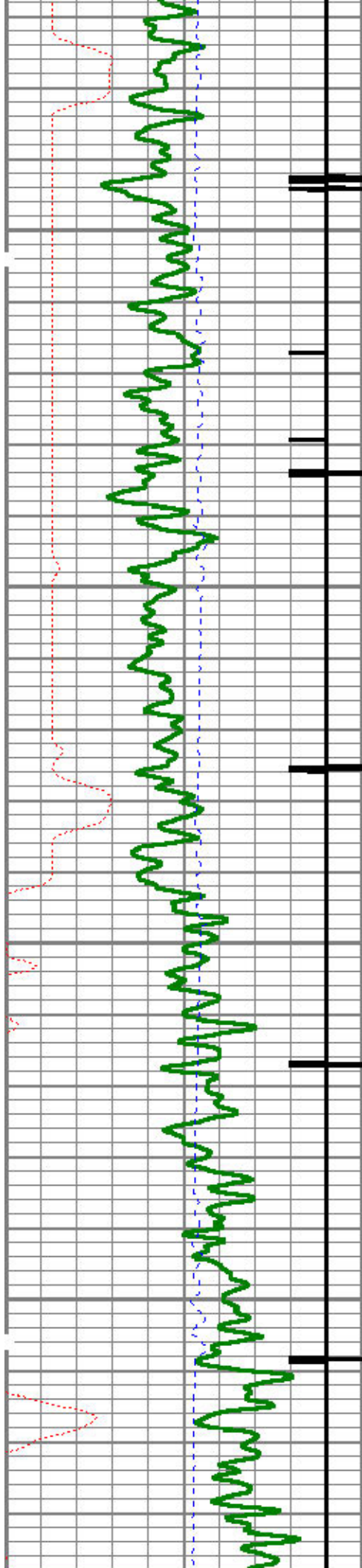










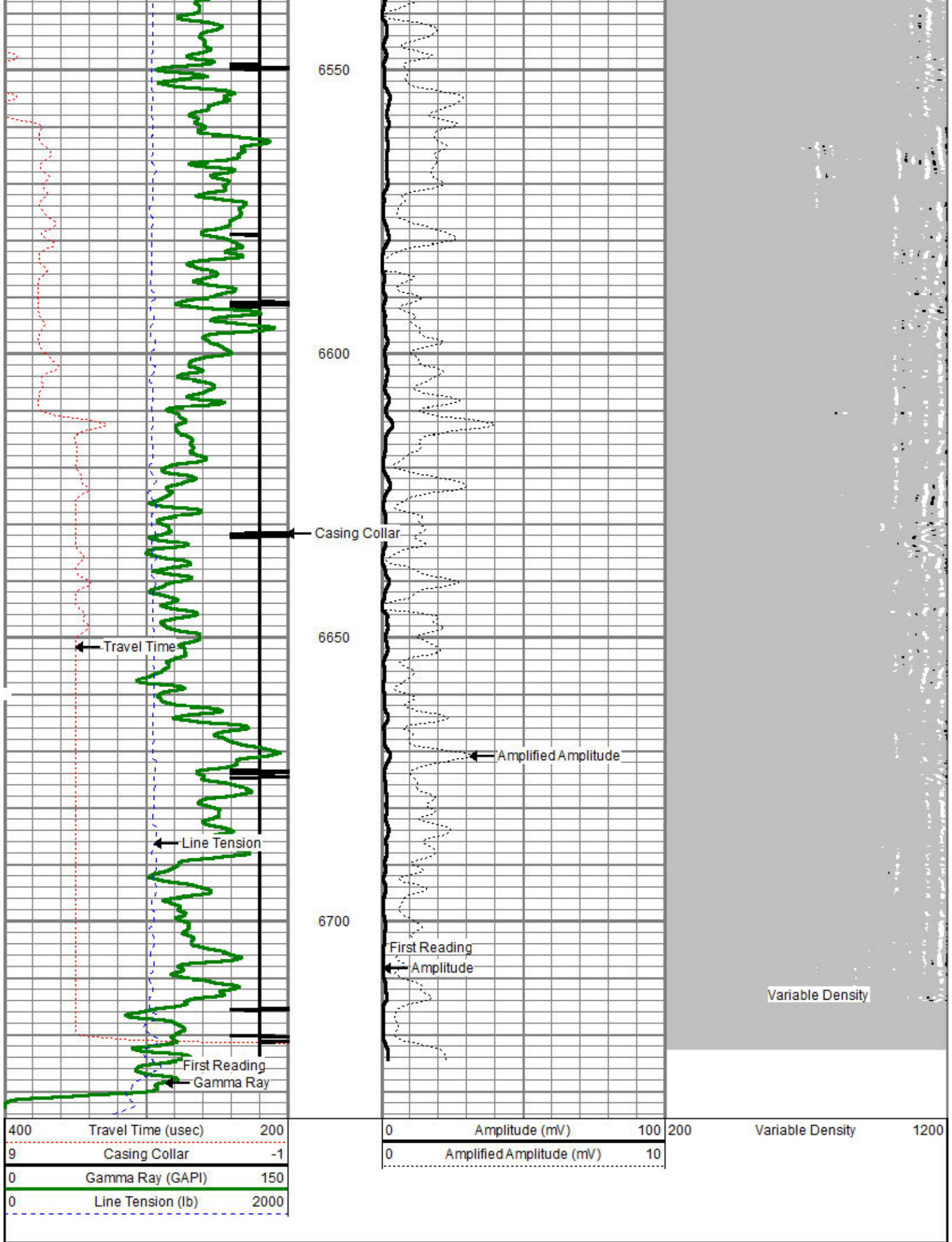


6350

6400

6450

6500



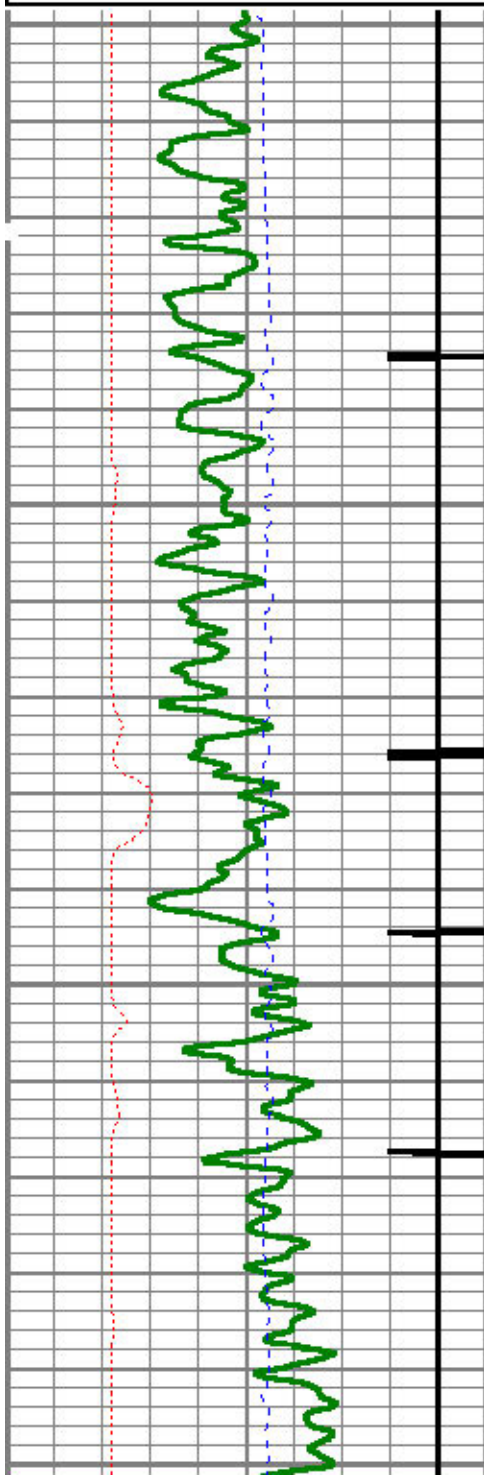


Database File: northplattee-a-24hna.db  
 Dataset Pathname: pass5.9  
 Presentation Format: cblprobe  
 Dataset Creation: Sun Aug 17 16:04:10 2014 by Calc 0  
 Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

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

200 Variable Density 1200

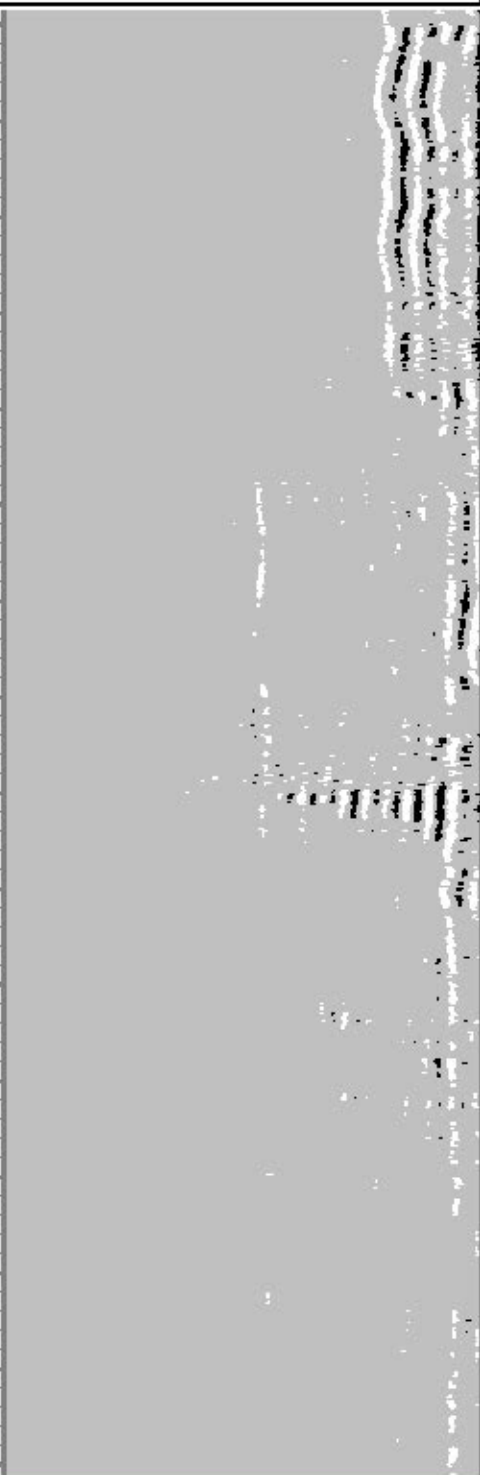
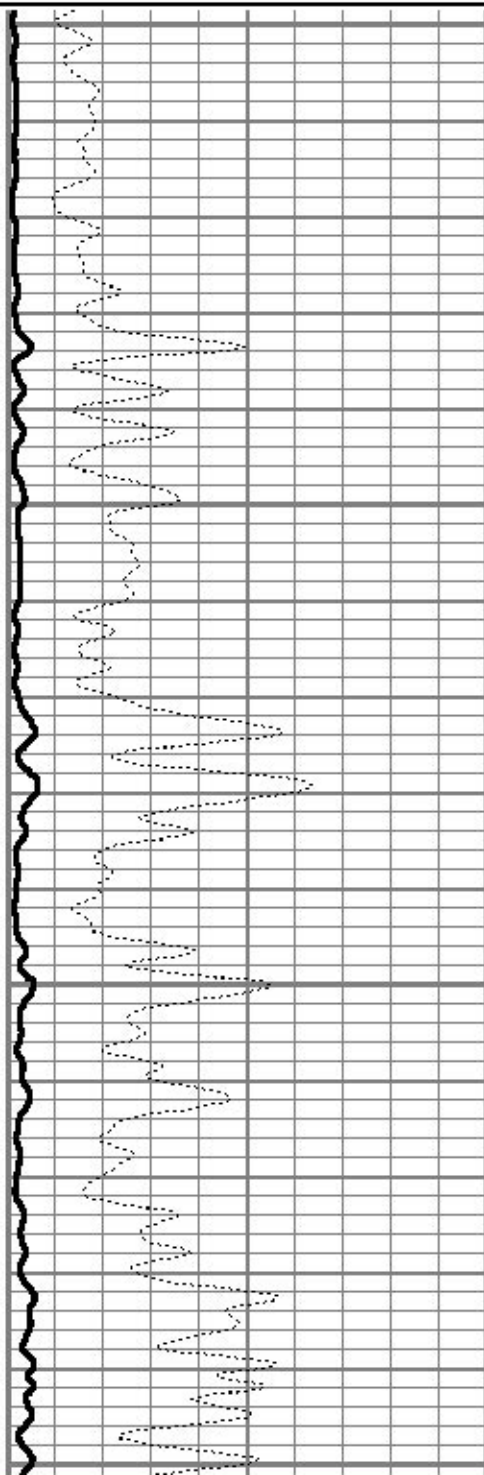


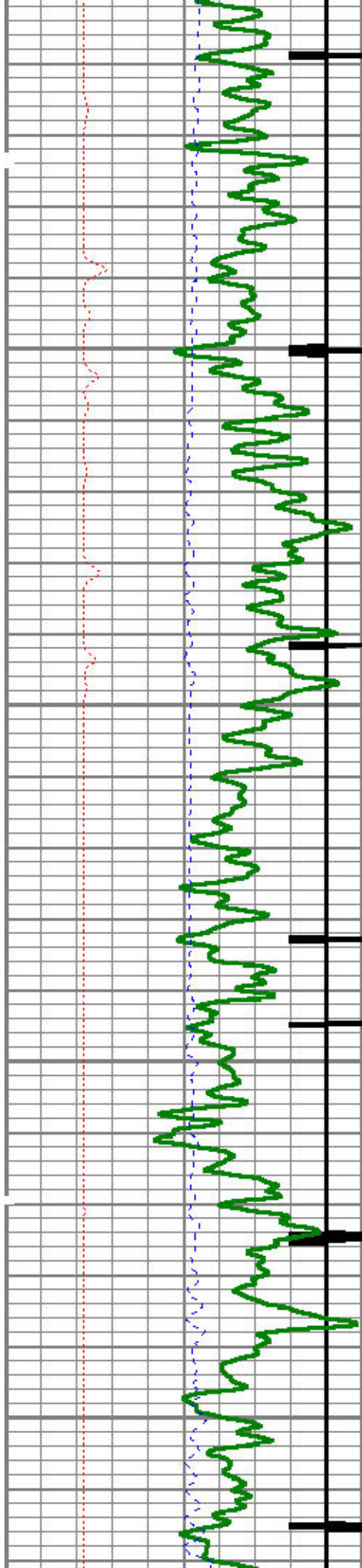
6350

6400

6450

6500



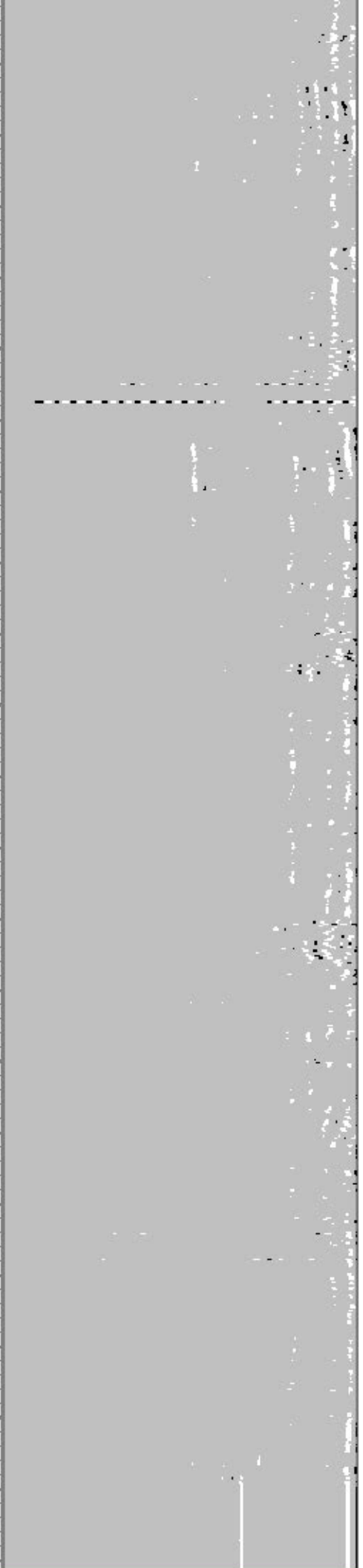
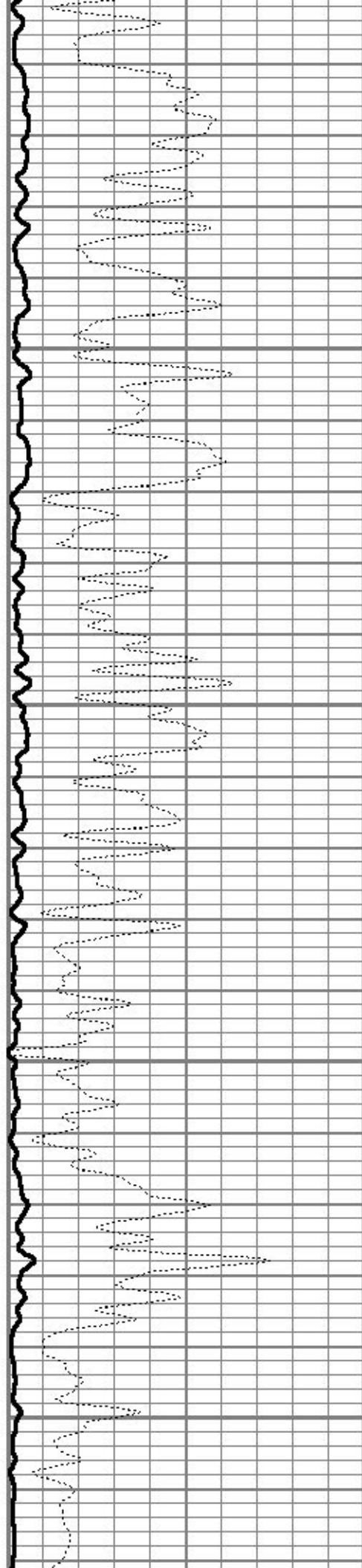


6550

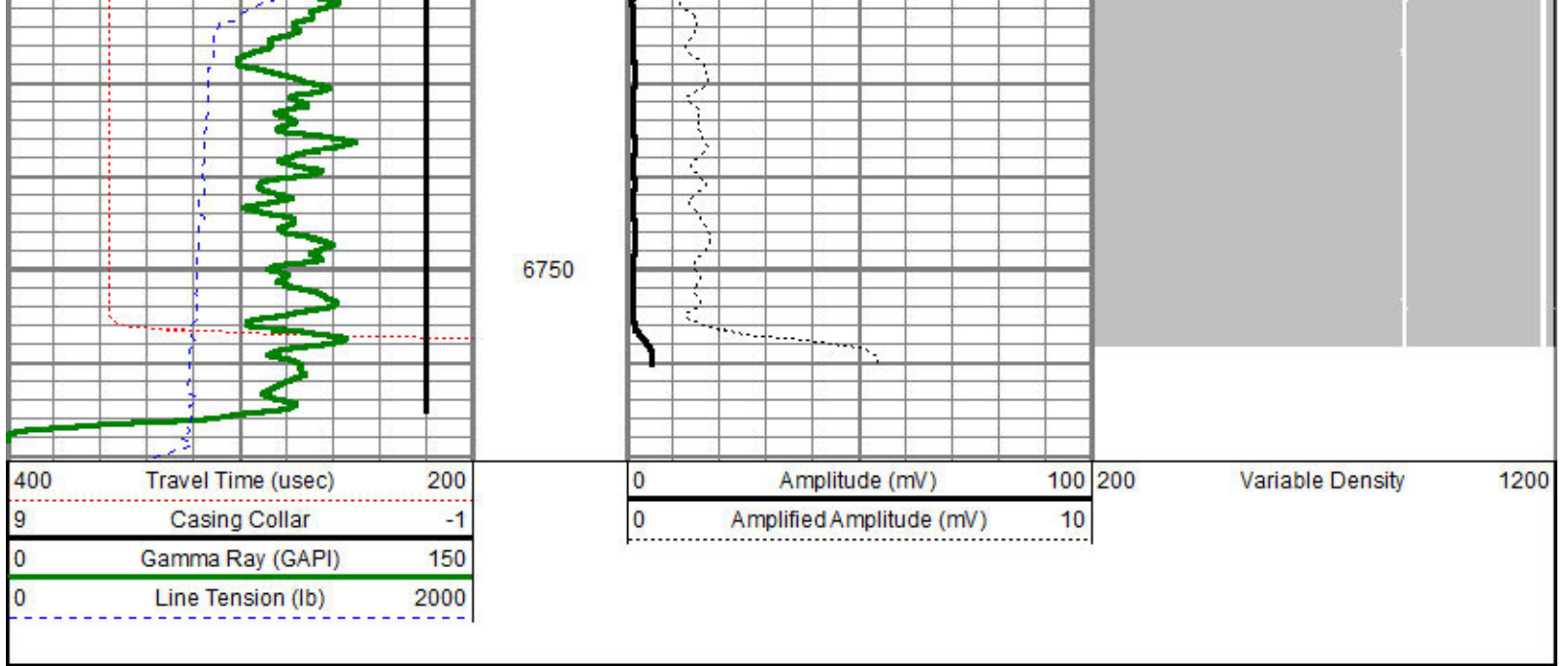
6600

6650

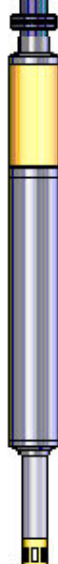
6700







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Titan Cable_head	1.00	1.44	10.00
			Probe275 2.75" Centralizer	2.88	2.75	20.00
			RBT-Probe (111107) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVF3FT	13.09					
WVFCAL	13.09					
WVFS1	13.09					
WVFS2	13.09					
WVFS3	13.09					
WVFS4	13.09					
WVFS5	13.09					
WVFS6	13.09					
WVFS7	13.09					
WVFS8	13.09					
WVF5FT	12.09					
			Probe275 2.75" Centralizer	2.88	2.75	20.00

CCL	5.13					
GR	3.79		GR-Probe275 (111111) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
TEMP	0.08		Temp-1.375TEMP (101234) Temperature Tool	1.25	1.38	30.00
		Dataset:	stateantelope41-44-32hnb.db: field/well/run1/pass10.5			
		Total Length:	21.53 ft			
		Total Weight:	227.00 lb			
		O.D.	2.75 in			

Calibration Report	
Database File:	northplatte-a-24hna.db
Dataset Pathname:	pass12.1
Dataset Creation:	Sat Aug 16 18:49:55 2014 by Calc 0

Temperature Calibration Report				
Serial Number:	101234			
Tool Model:	1.375TEMP			
Performed:	Tue Jul 01 10:51:17 2014			
	Reference		Reading	
Low Reference:	1.00	degF	10.00	cps
High Reference:	1.00	degF	10.00	cps
Gain:	0.19			
Offset:	0.20			
Delta Spacing	2			

Gamma Ray Calibration Report		
Serial Number:	111111	
Tool Model:	Probe275	
Performed:	Tue Jul 01 18:43:21 2014	
Calibrator Value:	1022.0	GAPI
Background Reading:	82.4	cps
Calibrator Reading:	1474.8	cps
Sensitivity:	0.6000	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	111107	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	19.295	ft

Master Calibration, performed Sat Aug 16 10:25:49 2014:

Raw (v)

Calibrated (mv)

Results



	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.013	0.246	1.000	71.921	273.353	4.550
CAL	-0.025	0.324				
5'	-0.020	0.244	1.000	71.921	268.800	6.398
SUM						
S1	-0.030	0.296	0.000	100.000	307.035	9.261
S2	-0.003	0.294	0.000	100.000	336.676	0.879
S3	0.004	0.275	0.000	100.000	368.693	-1.341
S4	0.002	0.263	0.000	100.000	383.216	-0.632
S5	0.009	0.264	0.000	100.000	391.849	-3.425
S6	0.012	0.285	0.000	100.000	366.156	-4.412
S7	0.010	0.295	0.000	100.000	350.730	-3.357
S8	-0.007	0.293	0.000	100.000	332.441	2.447

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.023	0.305	1.000	0.000

Air Zero Calibration, performed Fri Aug 15 12:15:10 2014:

	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	