



CEMENT BOND LOG

Mesa Wireline

Company GREAT WESTERN OIL & GAS LLC
Well CAMPBELL JF 17-41D
Field WATTENBERG
County WELD
State COLORADO

Company GREAT WESTERN OIL & GAS LLC
Well CAMPBELL JF 17-41D
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-36324-0000
SHL: 1512' FNL & 1465' FEL SWNE
BHL: 1303' FNL & 29' FEL NENE
SEC: 17 TWP: 2N RGE: 65W
Permanent Datum GROUND LEVEL Elevation 4916'
Log Measured From KELLY BUSHING = 14'
Drilling Measured From KELLY BUSHING
Other Services
Elevation
K.B. 4930'
D.F. 4929'
G.L. 4916'

Date 28 FEB 2013

Run Number	ONE
Depth Driller	7637'
Depth Logger	7524'
Bottom Logged Interval	7524'
Top Log Interval	2000'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.34 LBS/GAL
Max. Recorded Temp.	254 DegF
Estimated Cement Top	2576'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	10801W / PB01
Location	AULT, CO
Recorded By	BEN MILTON
Witnessed By	S. ARMSTRONG

Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0	943'	N/A			
TWO	7.875"	0	7635'				

	Size	Wgt/Ft	Top	Bottom
Casing Record				
Surface String	8.625"	24#	0	943'
Prot. String				
Production String	4.5"	11.6#	0	7637'
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 CORRELATED TO PES HIGH RESOLUTION INDUCTION LOG DATED 1 FEB 2013.

SHORT JOINTS: 6992' - 7006', 7264' -7277'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, AULT CO. (970) 834-2495



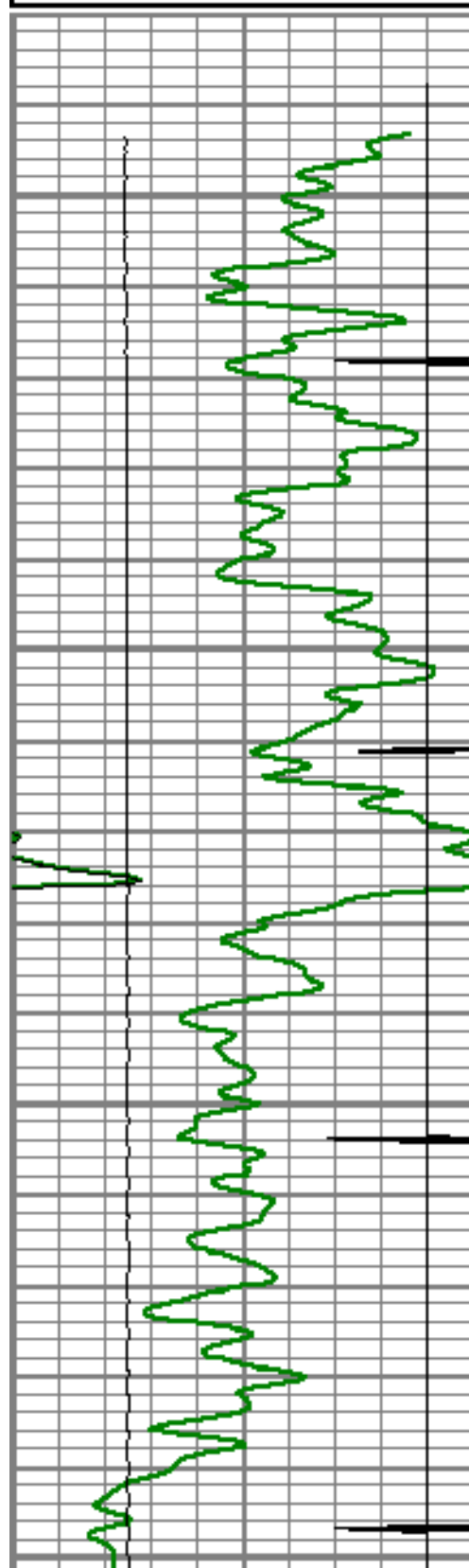
REPEAT PASS

Database File: camp1741d.db
Dataset Pathname: pass4
Presentation Format: dobl_prb
Dataset Creation: Thu Feb 28 11:56:06 2013 by Log SCH 120126
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

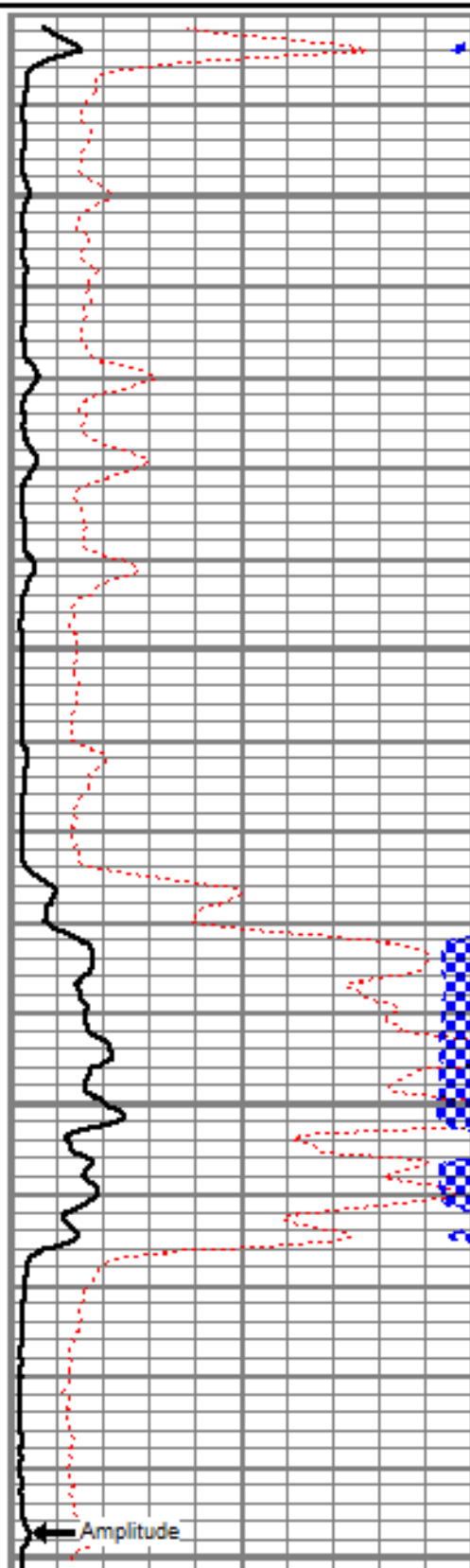


7300

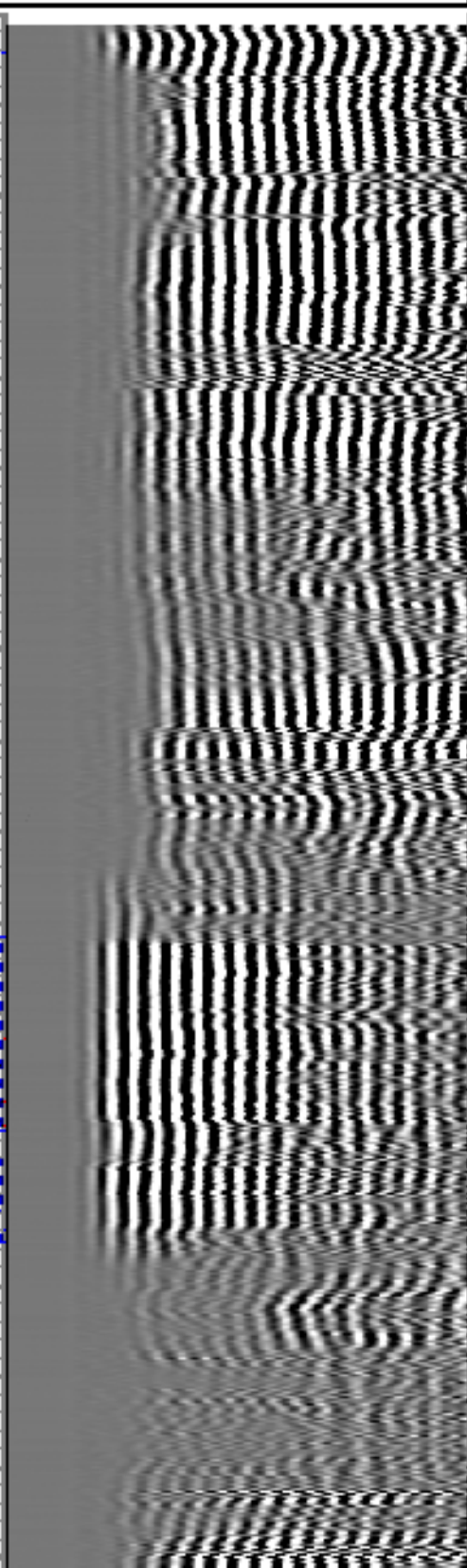
7350

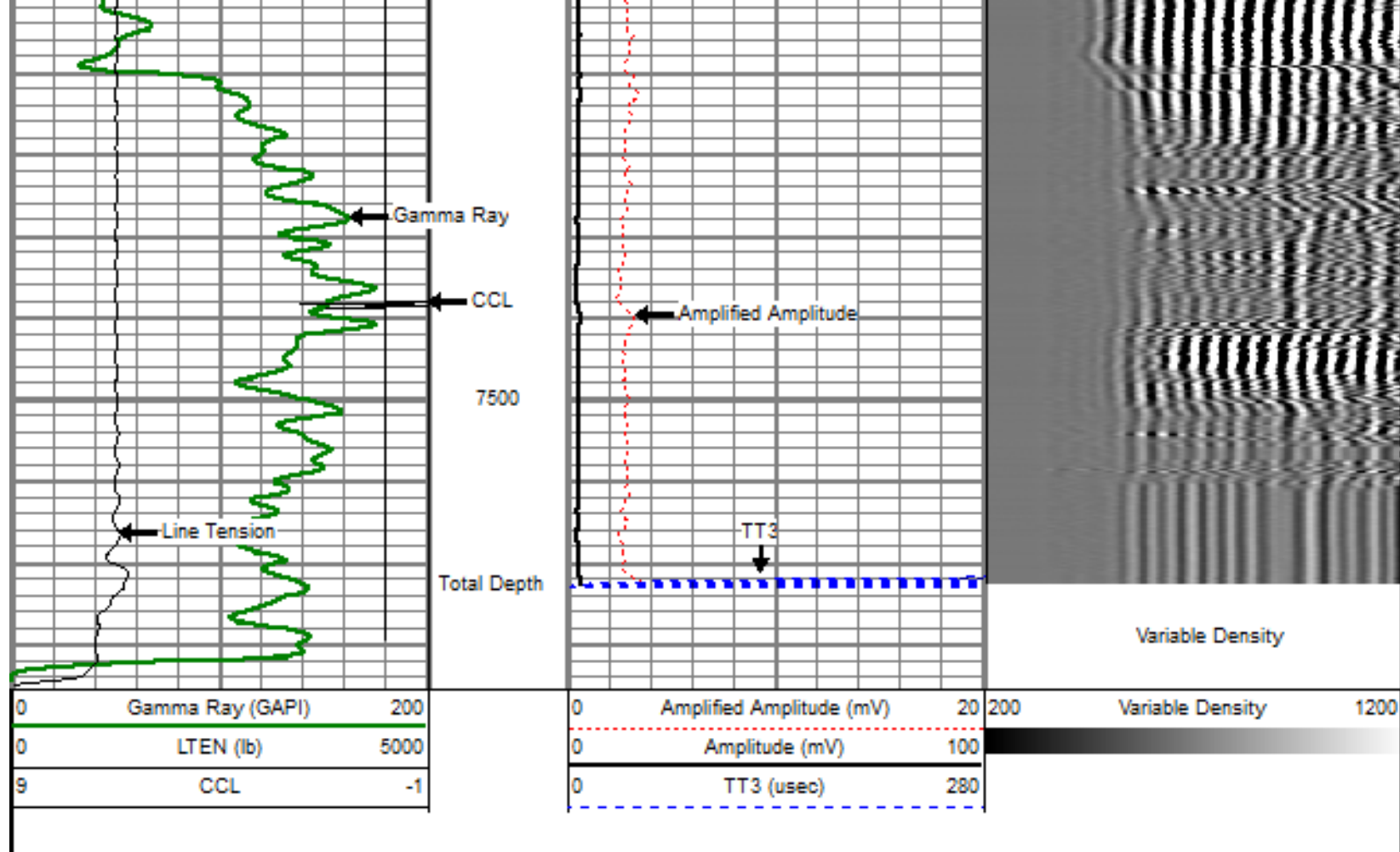
7400

7450



Amplitude

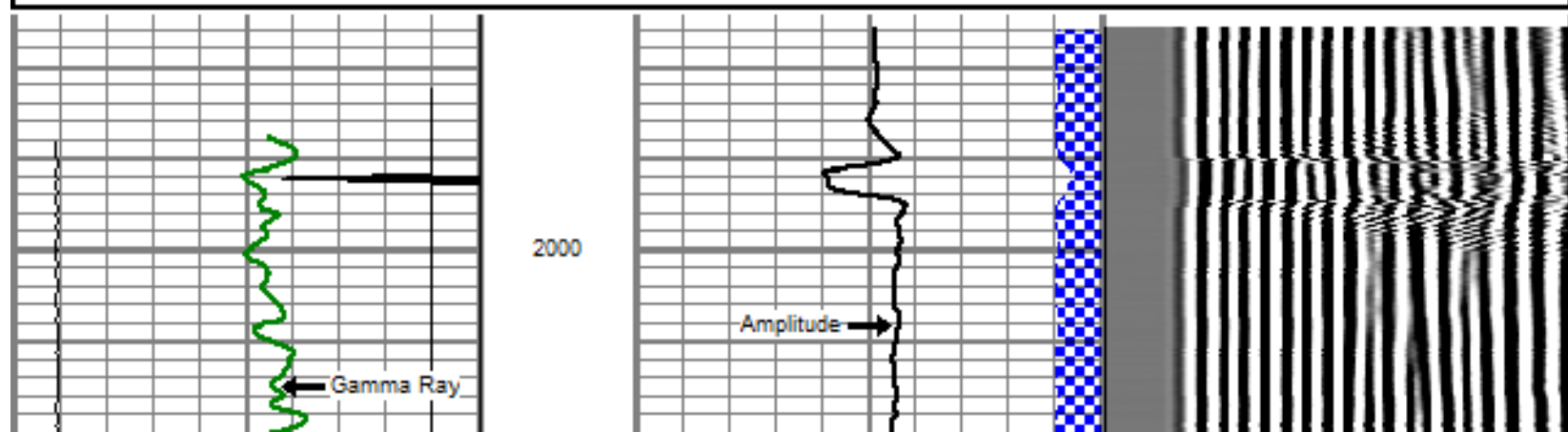
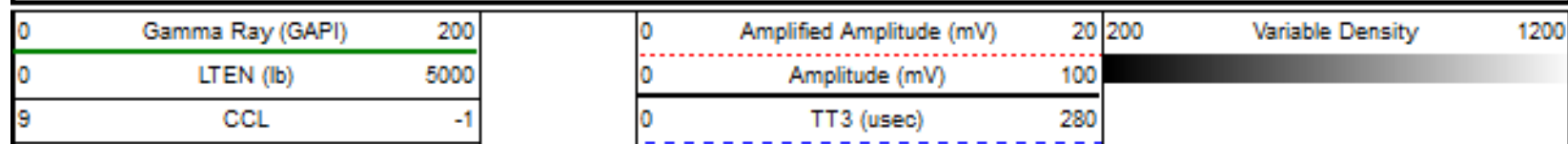


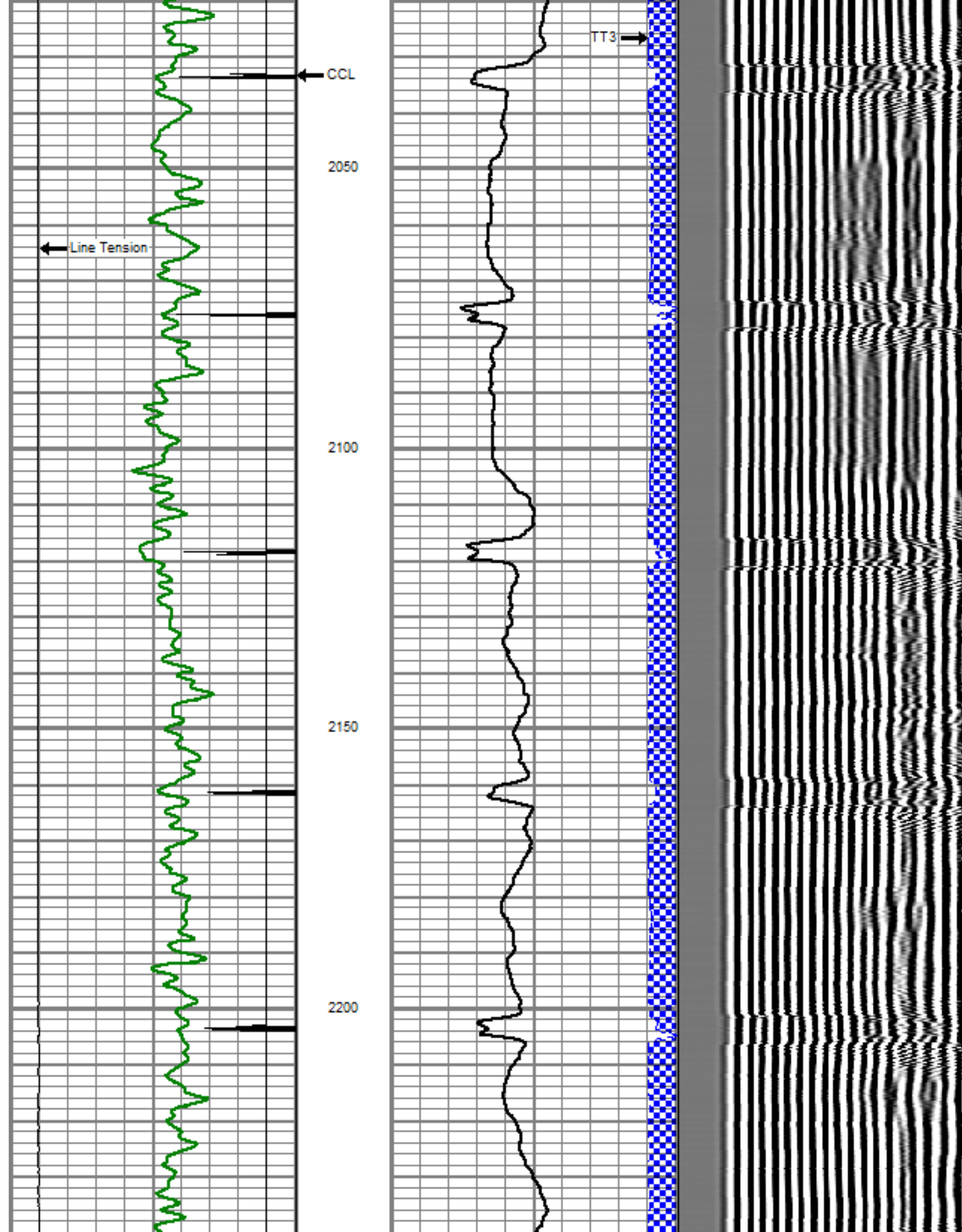


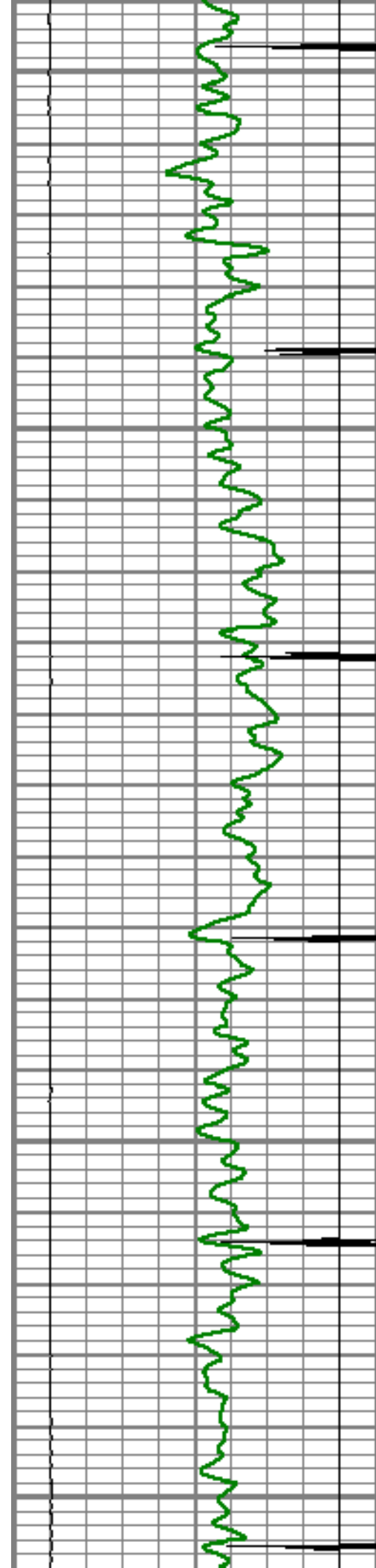
MAIN PASS

5" = 100'

Database File: camp1741d.db
 Dataset Pathname: pass5OH2
 Presentation Format: dobl_prb
 Dataset Creation: Thu Feb 28 13:40:36 2013
 Charted by: Depth in Feet scaled 1:240







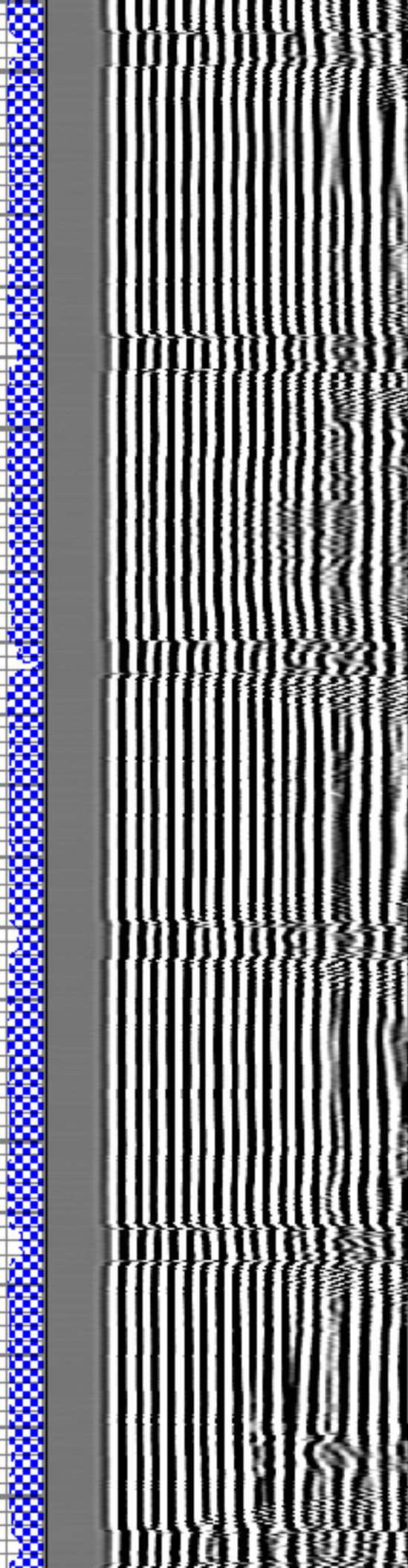
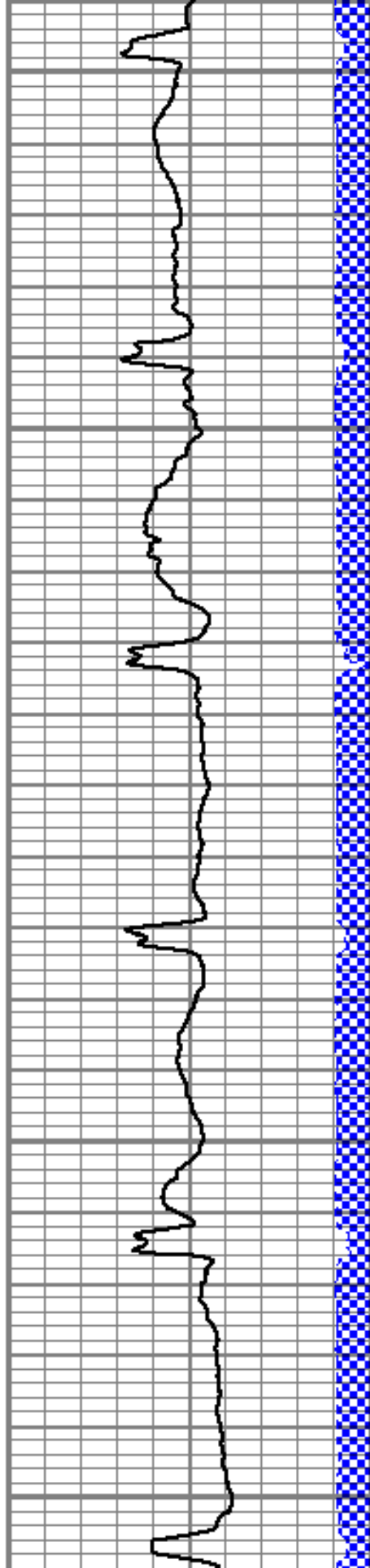
2250

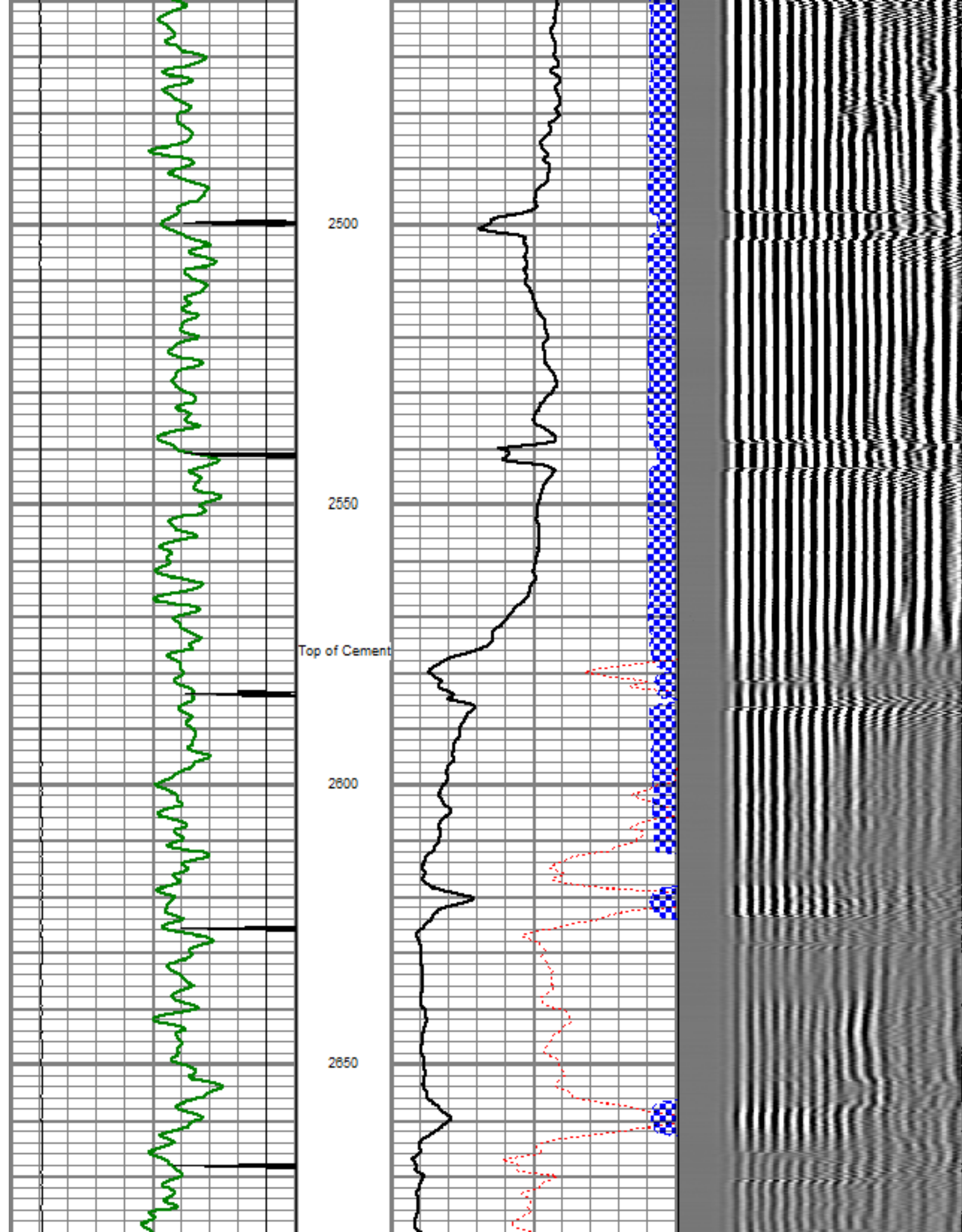
2300

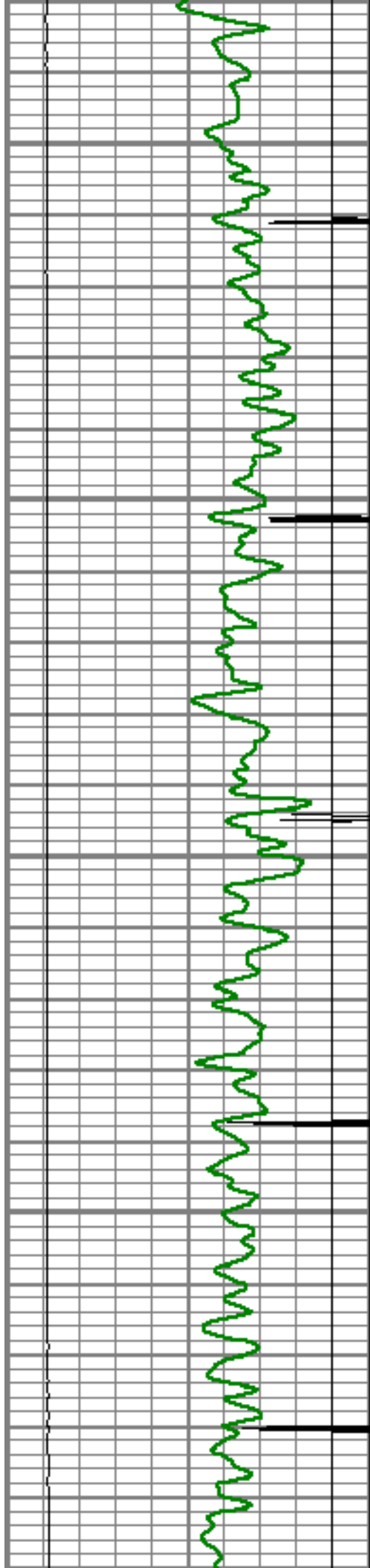
2350

2400

2450







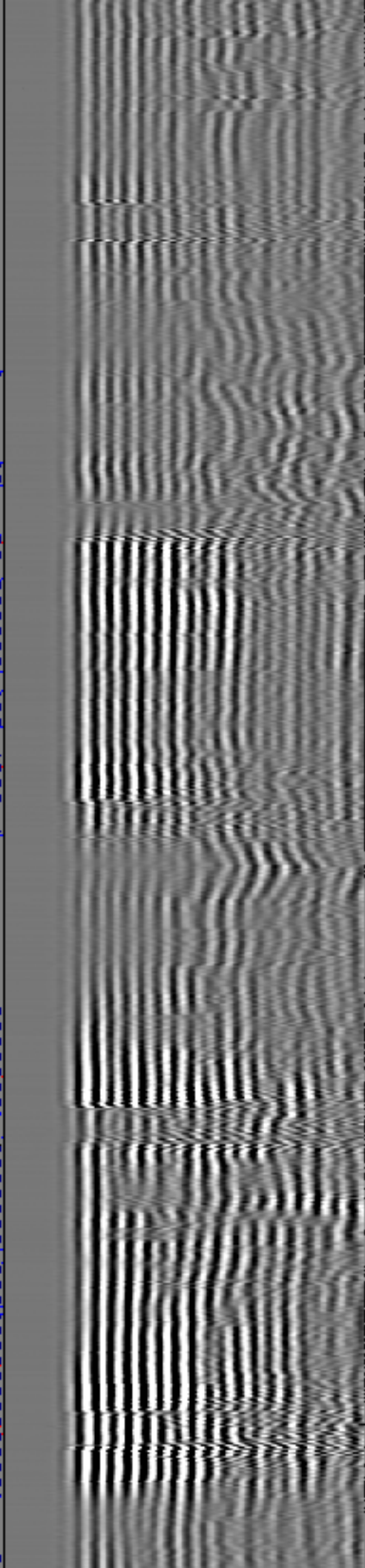
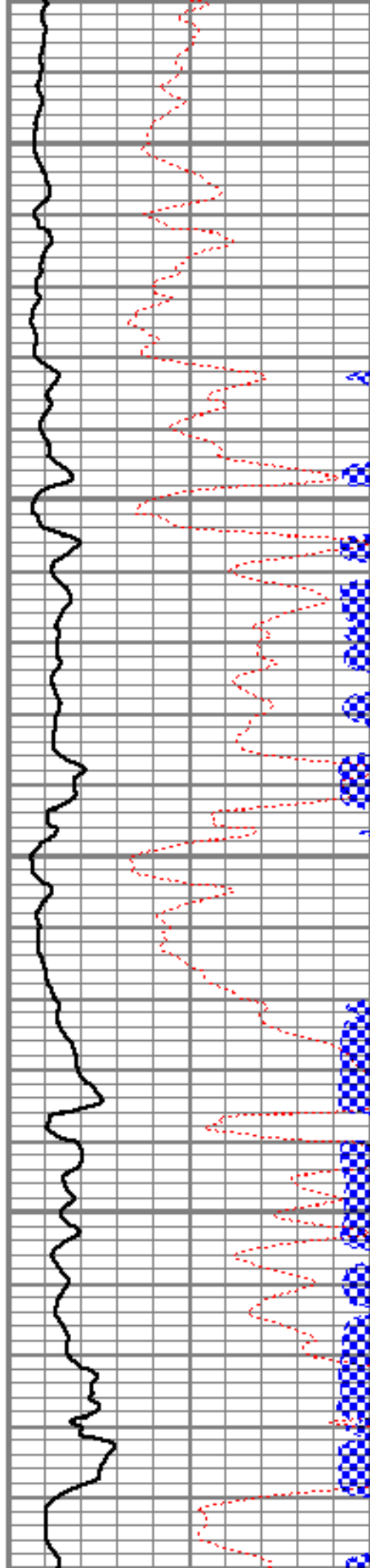
2700

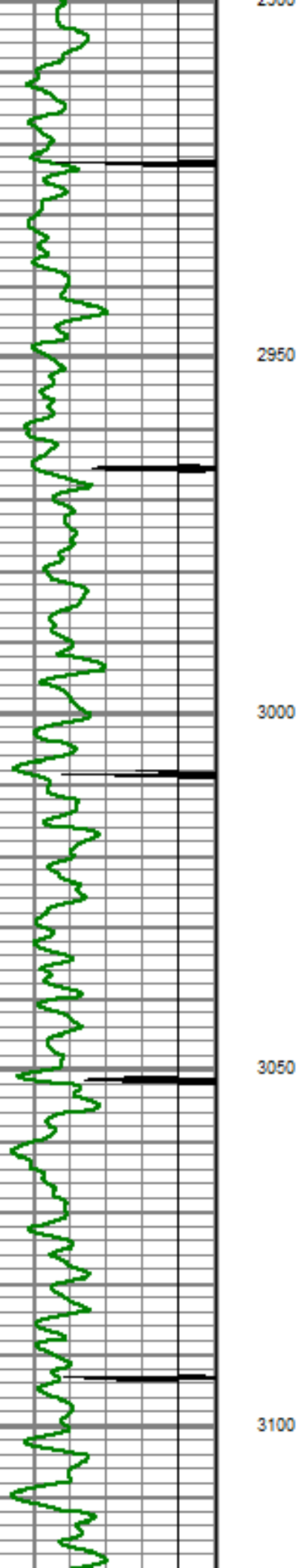
2750

2800

2850

2900





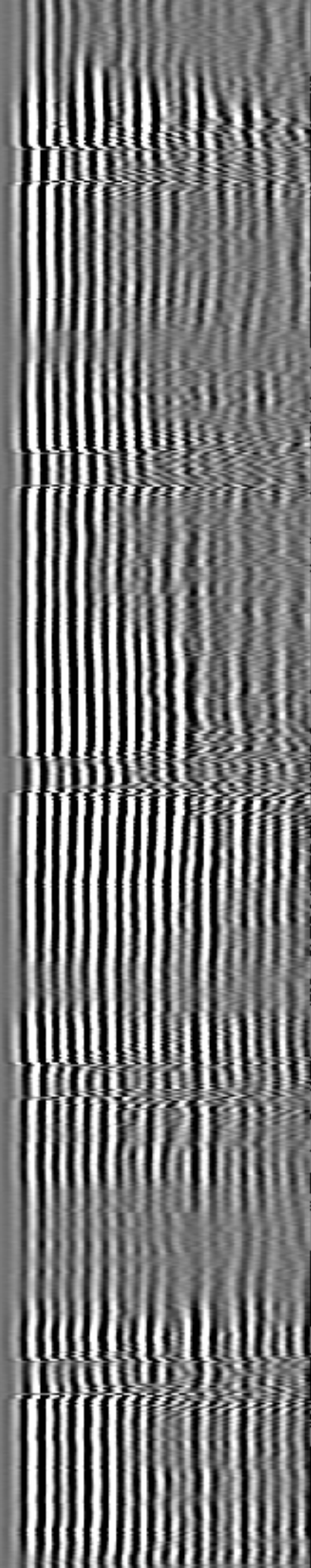
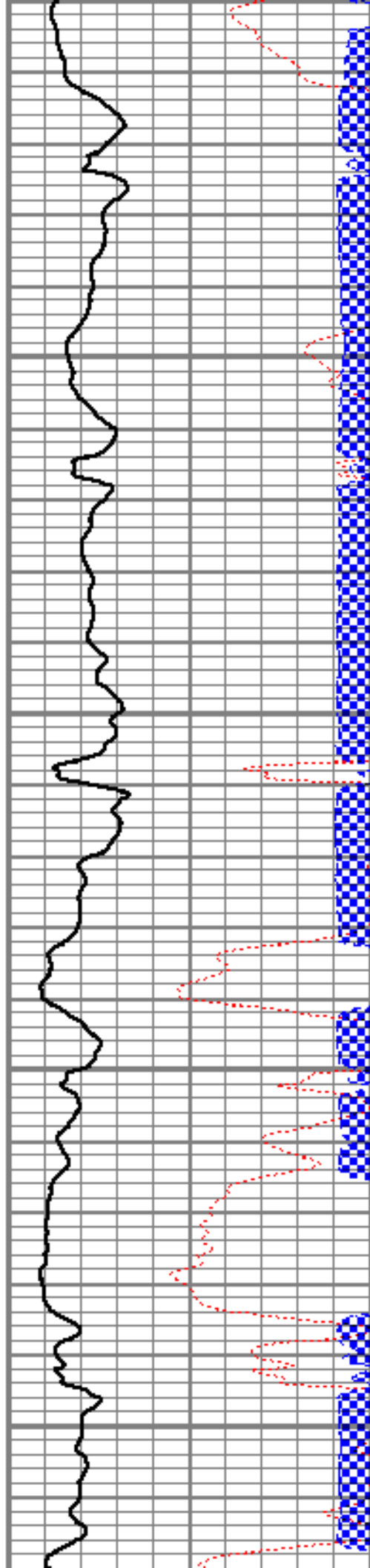
2900

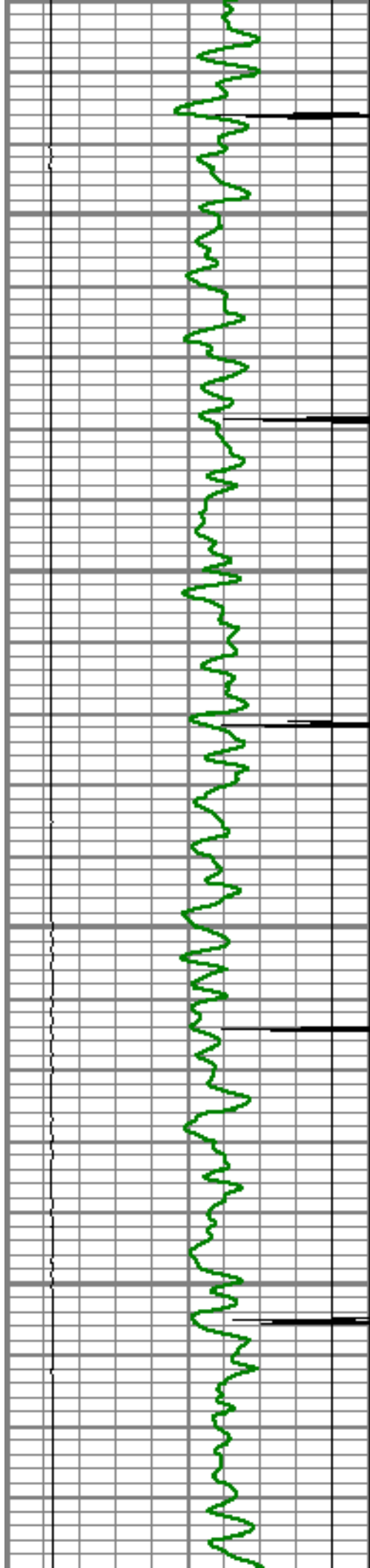
2950

3000

3050

3100



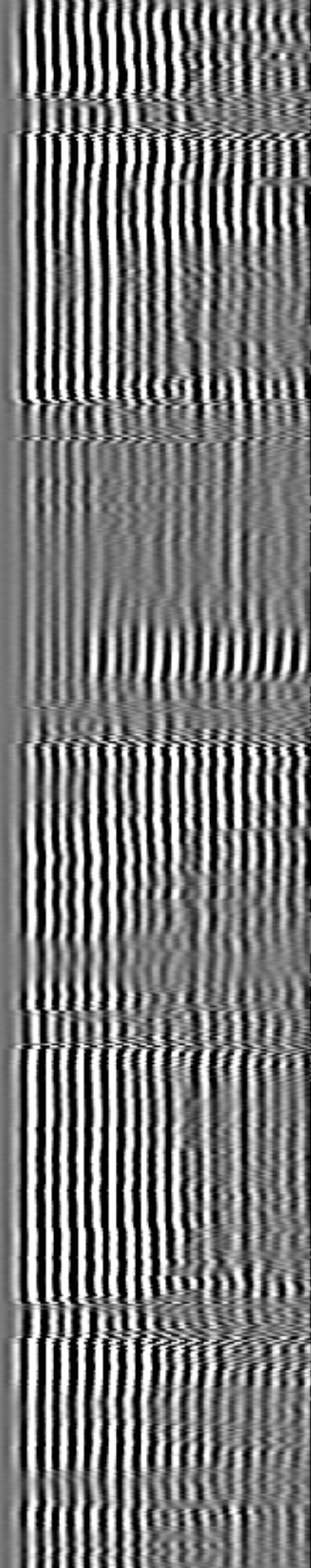
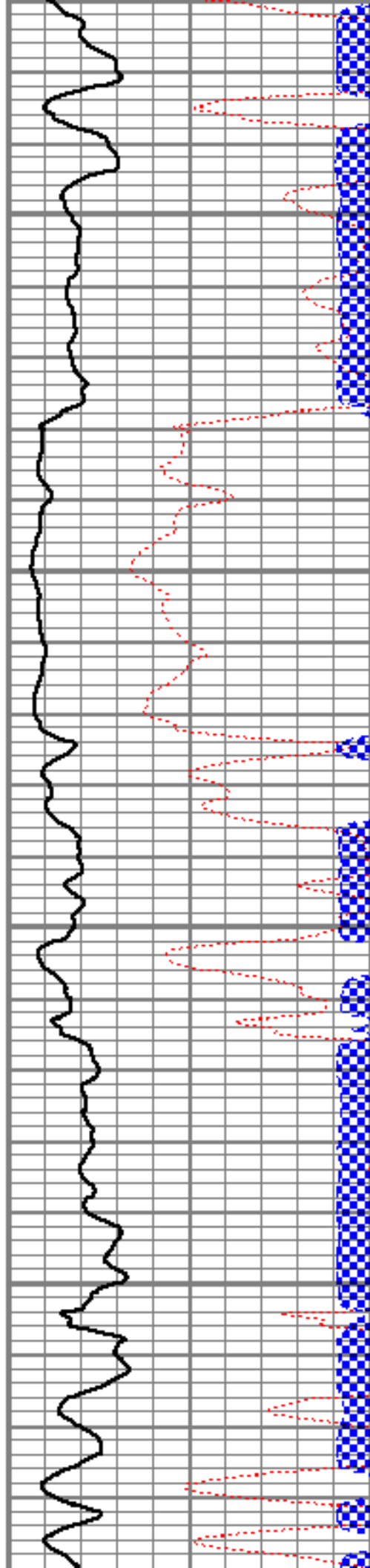


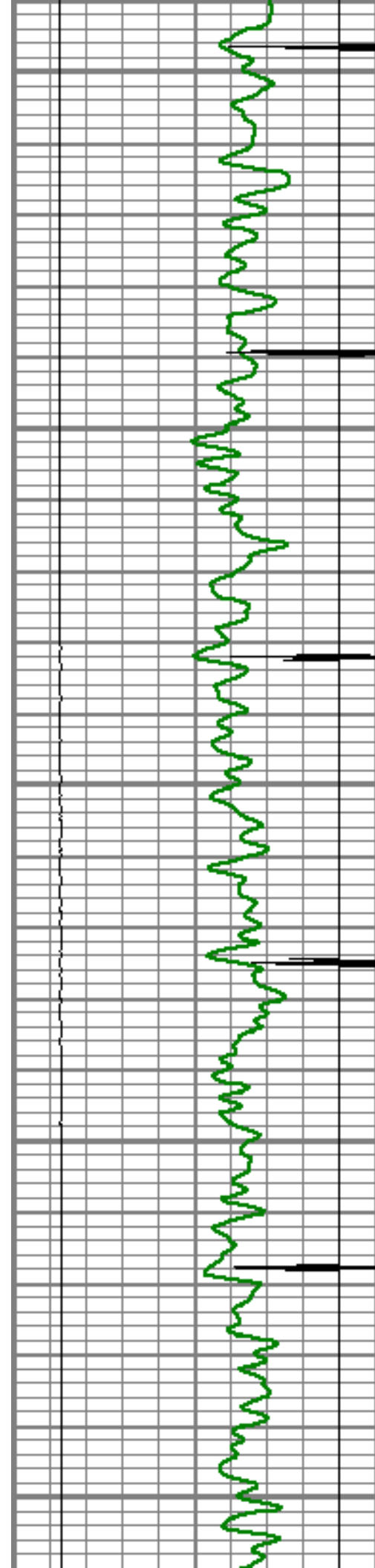
3150

3200

3250

3300





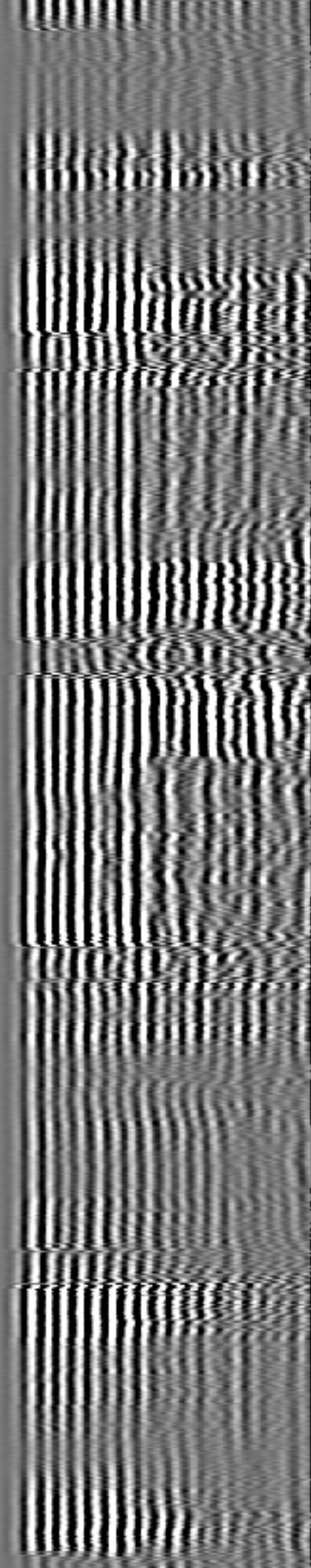
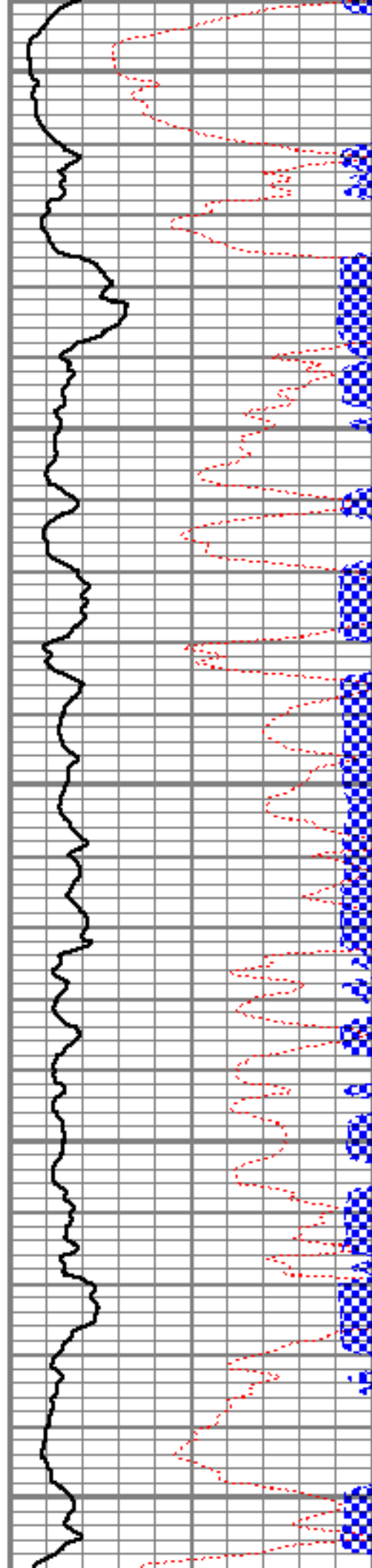
3350

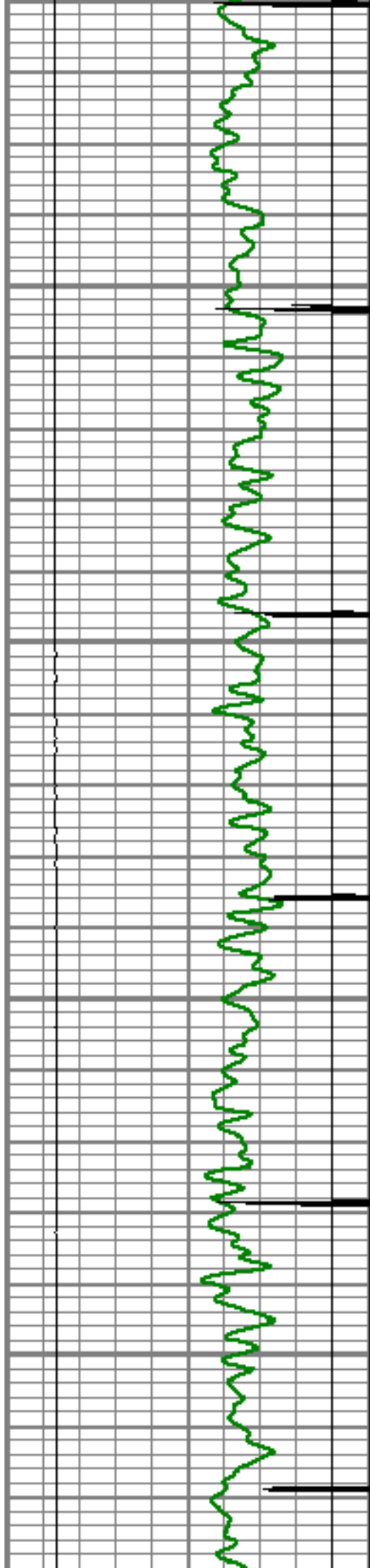
3400

3450

3500

3550



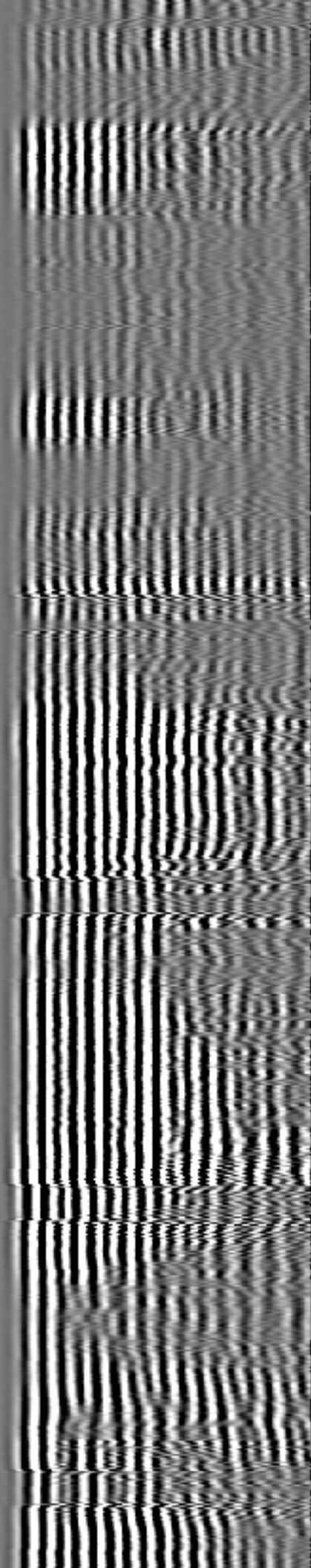
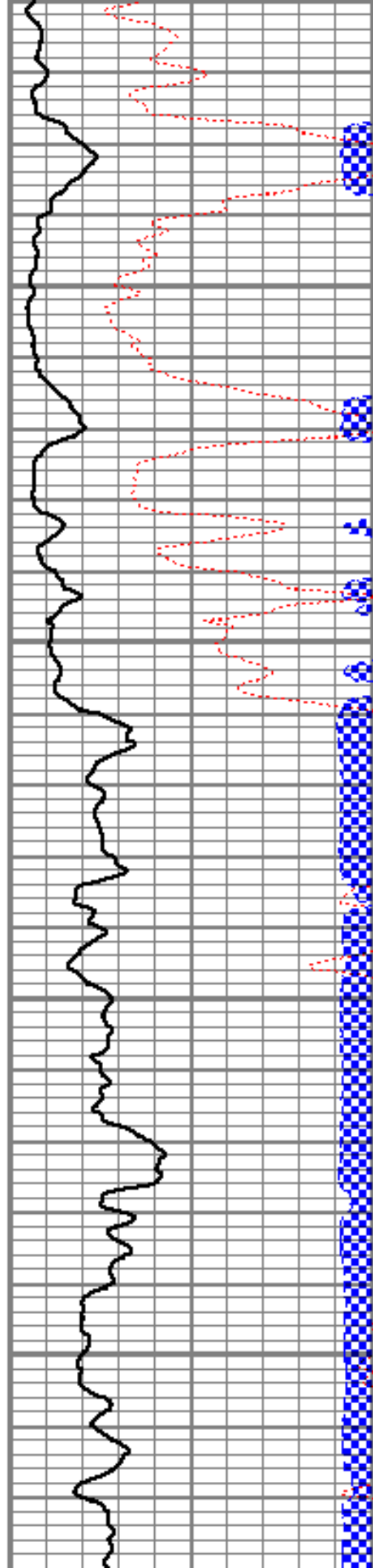


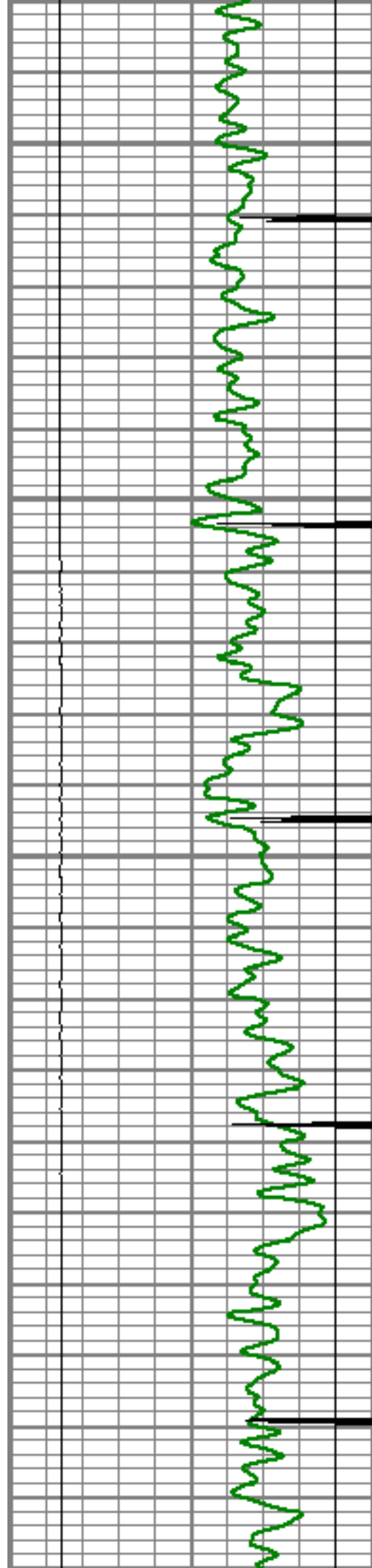
3600

3650

3700

3750





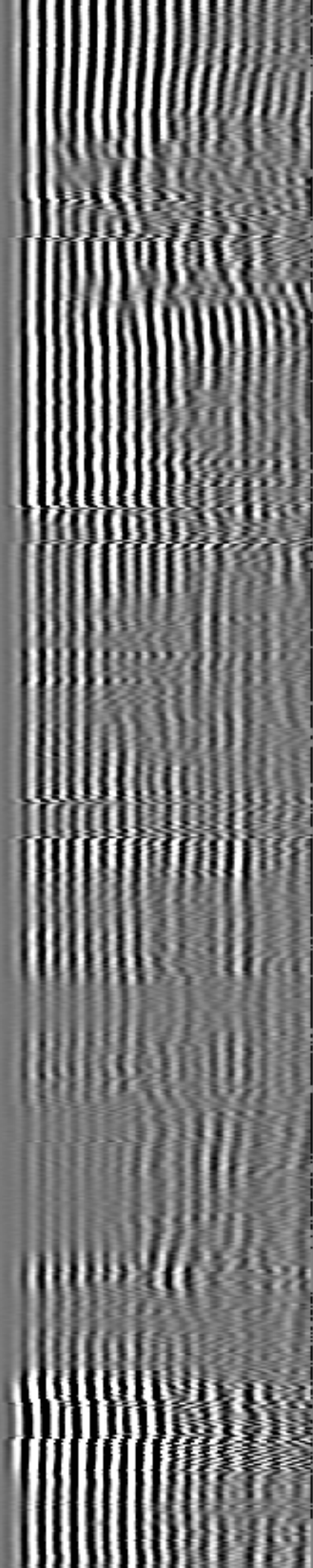
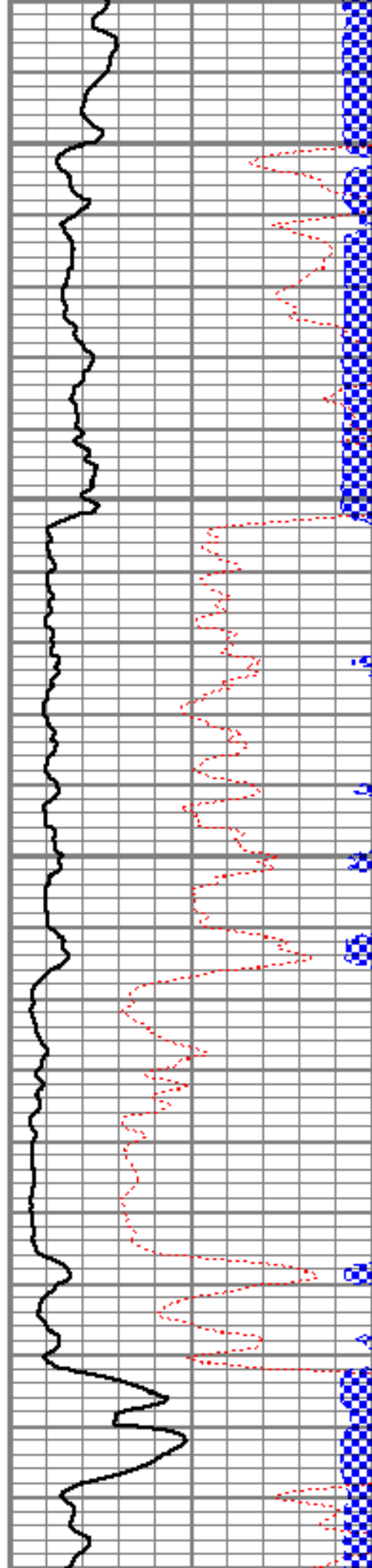
3800

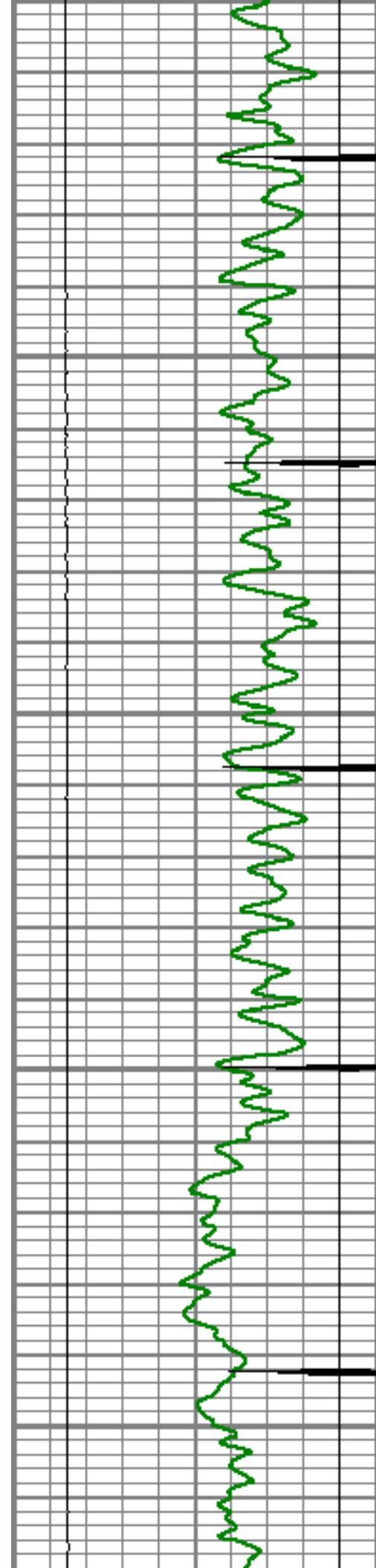
3850

3900

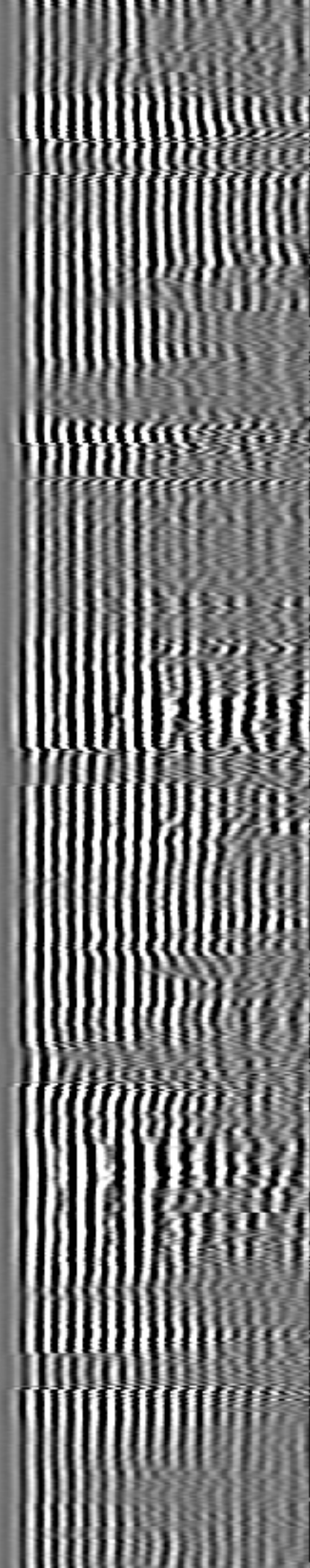
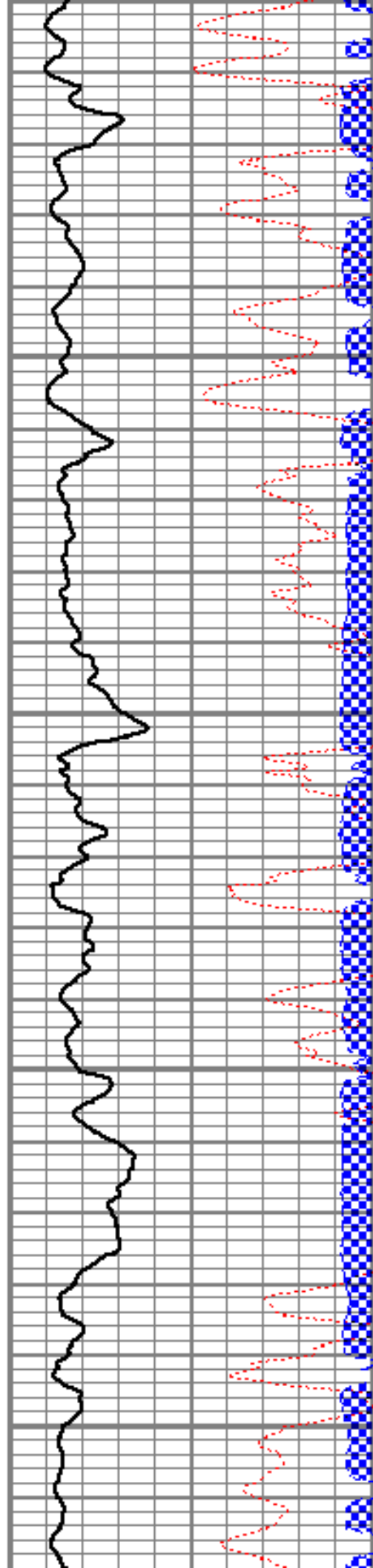
3950

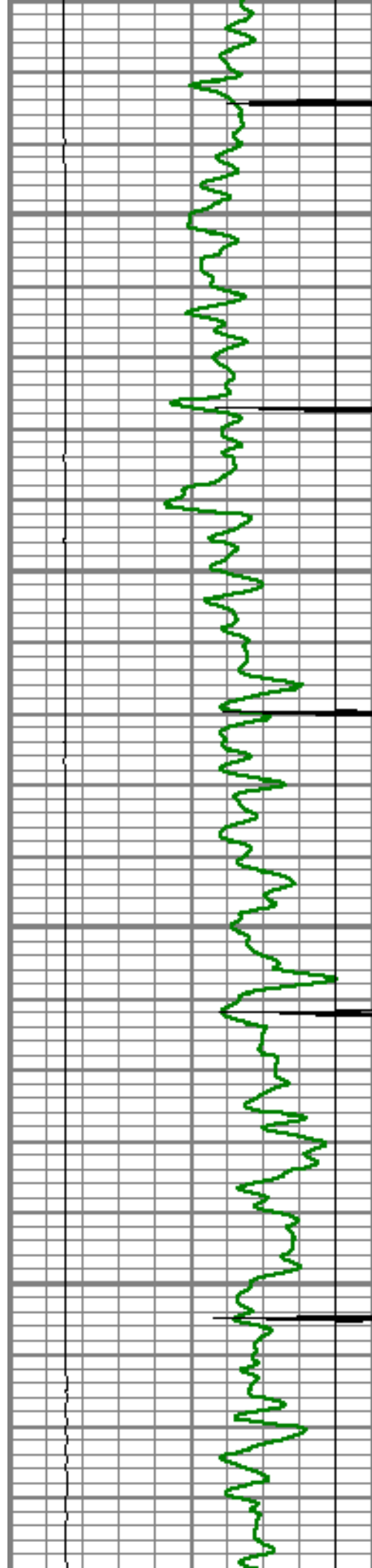
4000





4000
4050
4100
4150
4200



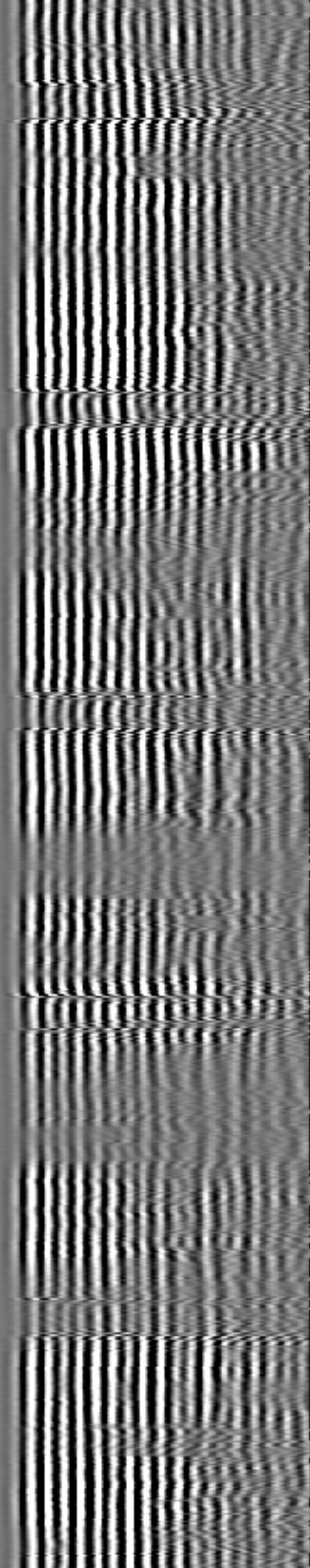
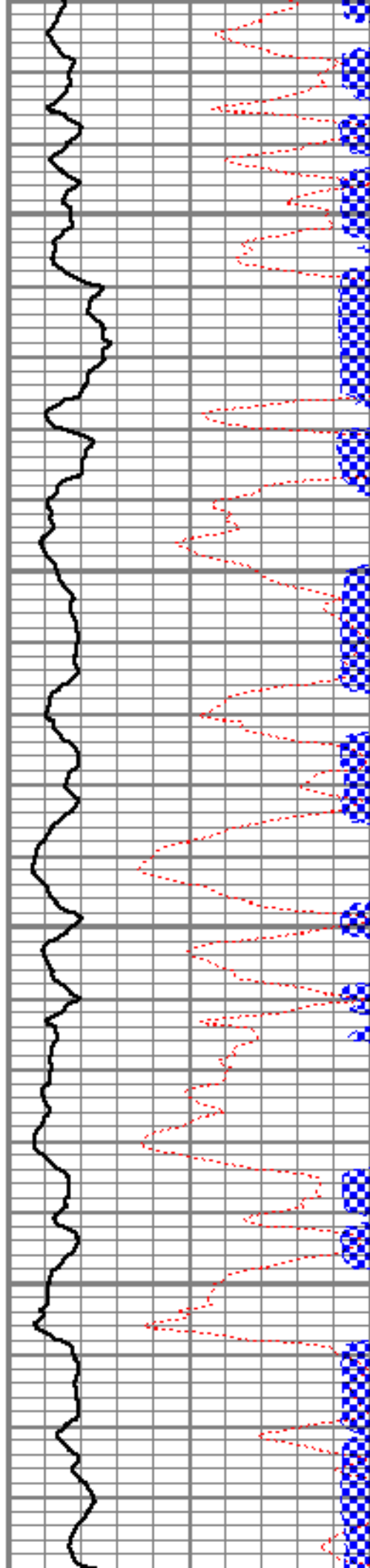


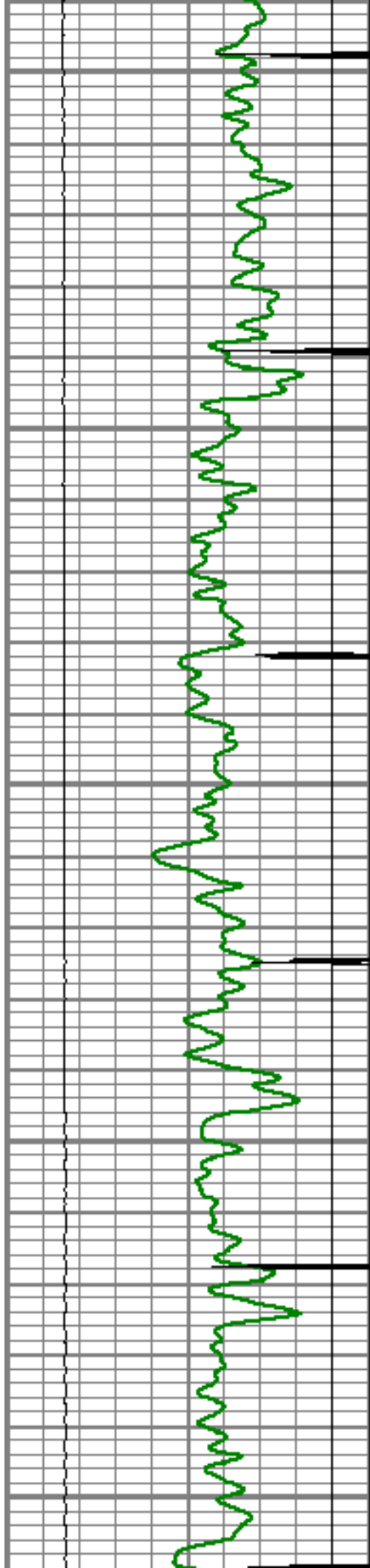
4250

4300

4350

4400





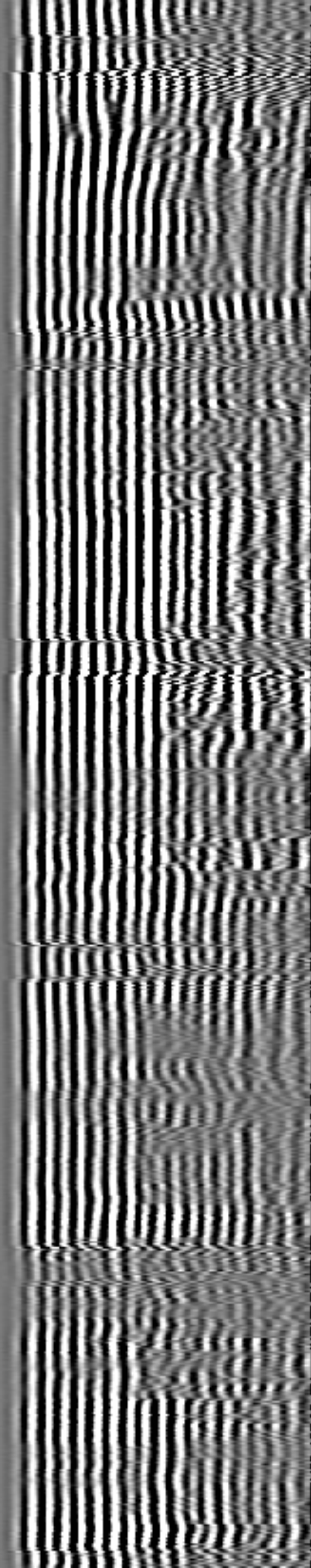
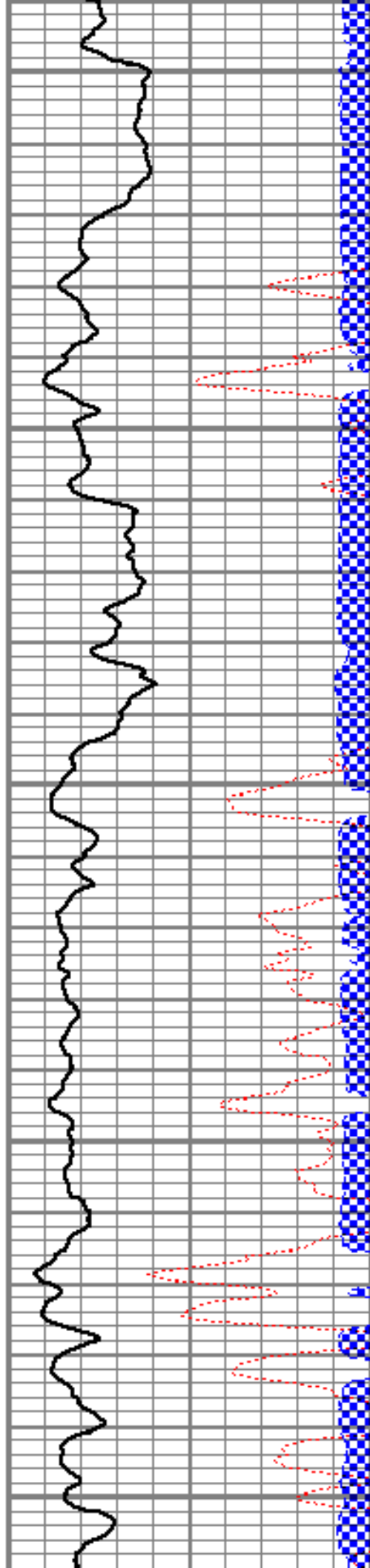
4450

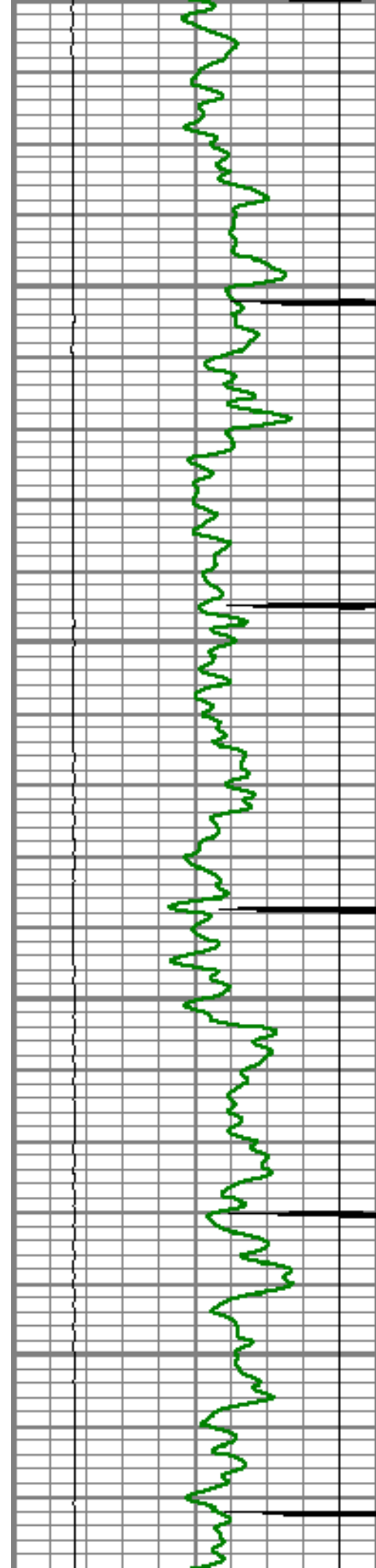
4500

4550

4600

4650



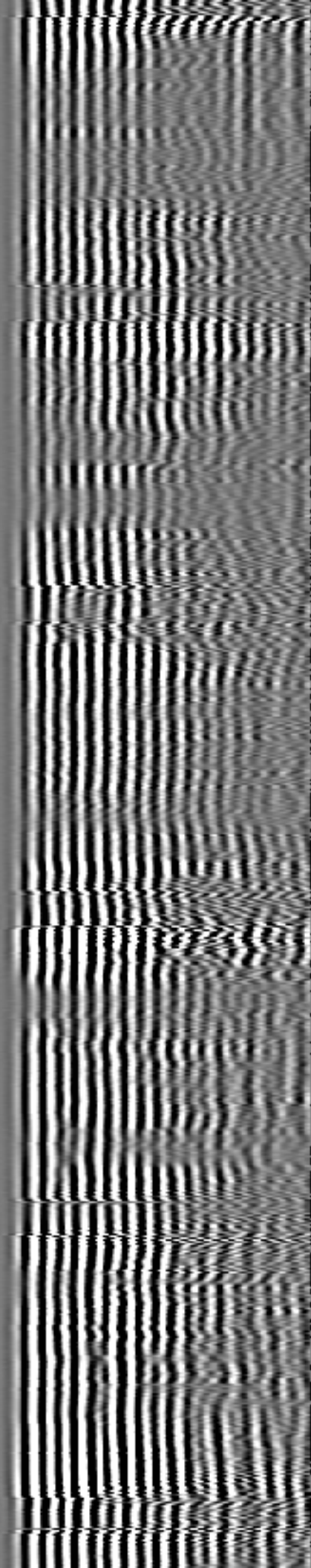
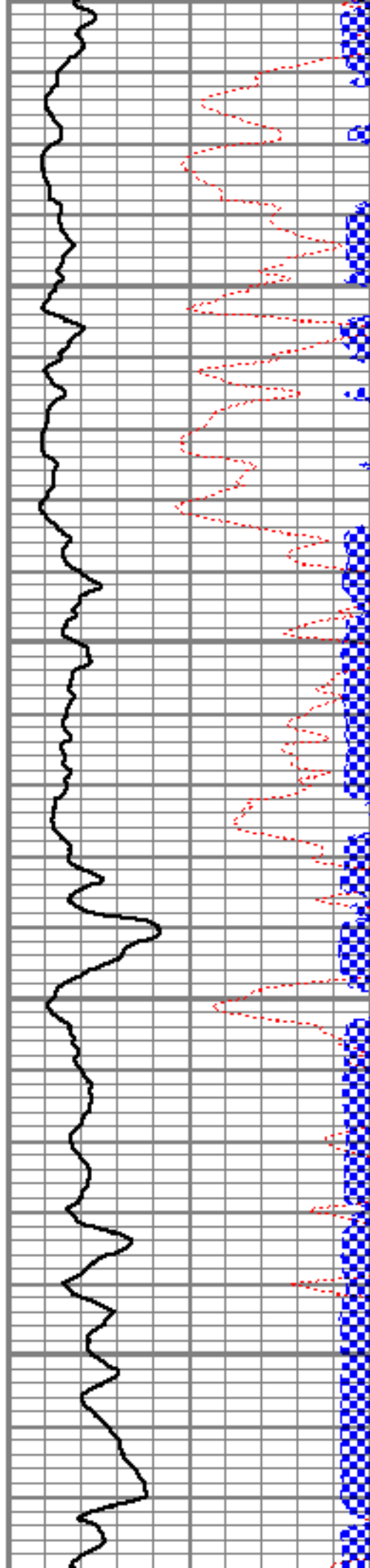


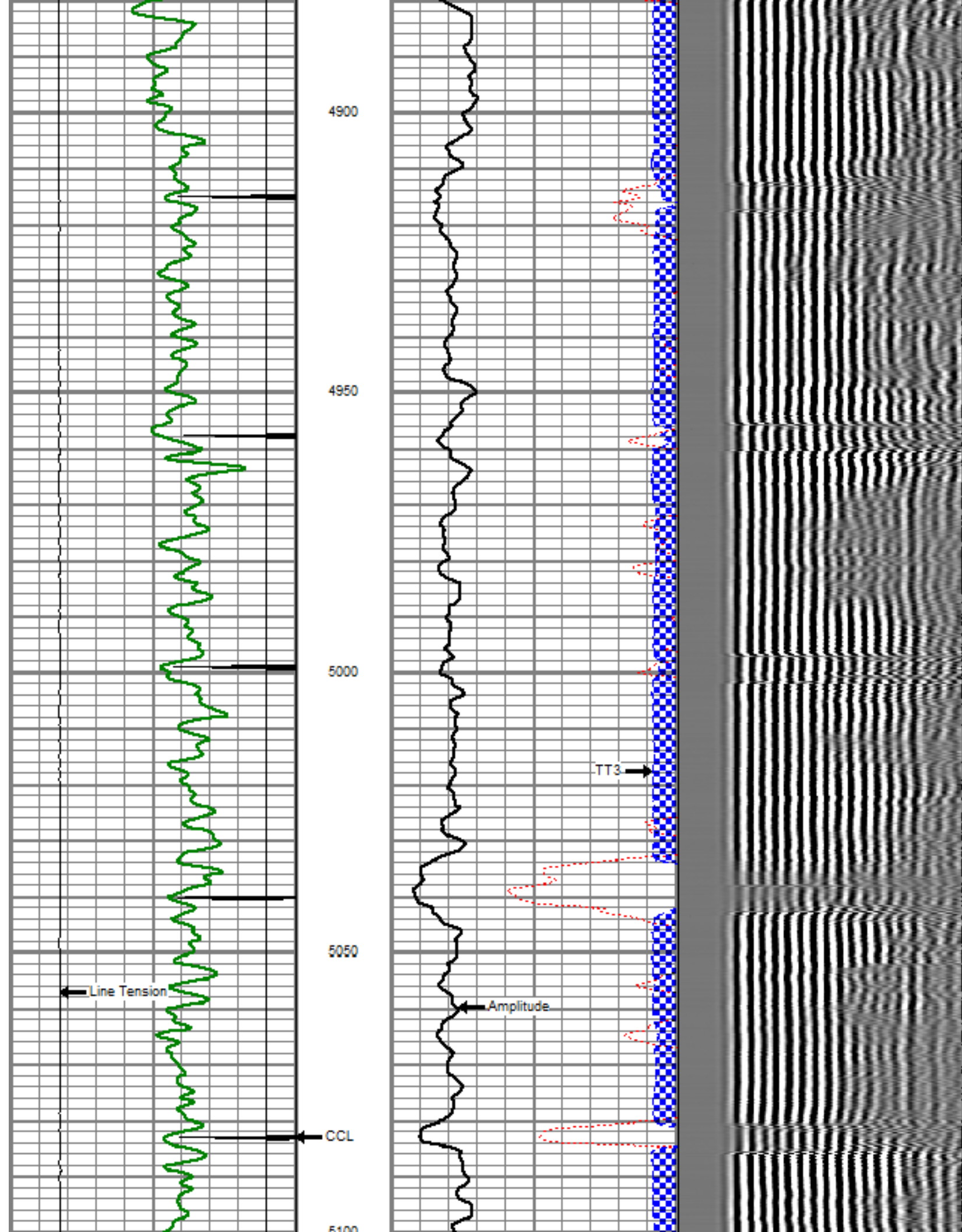
4700

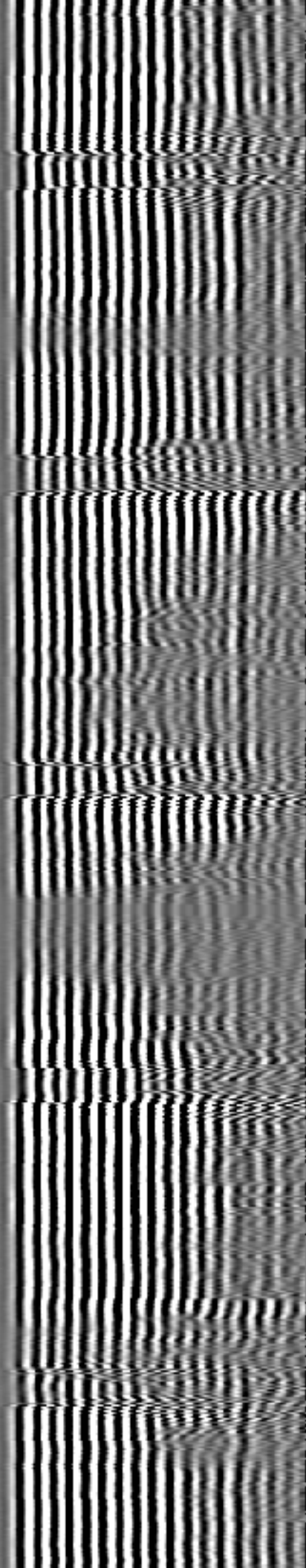
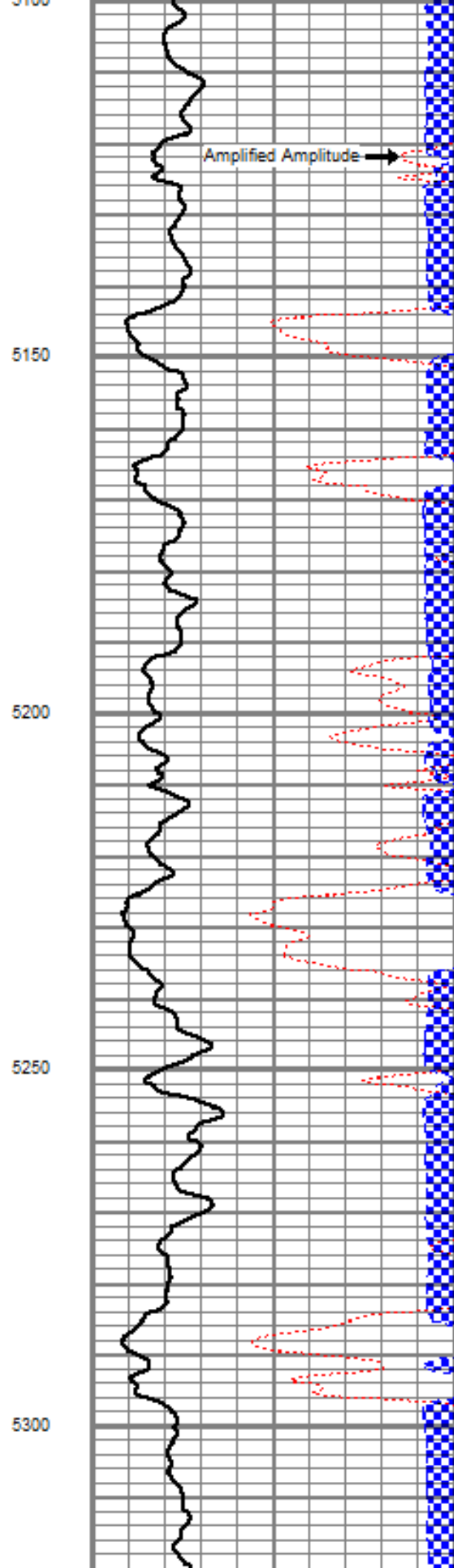
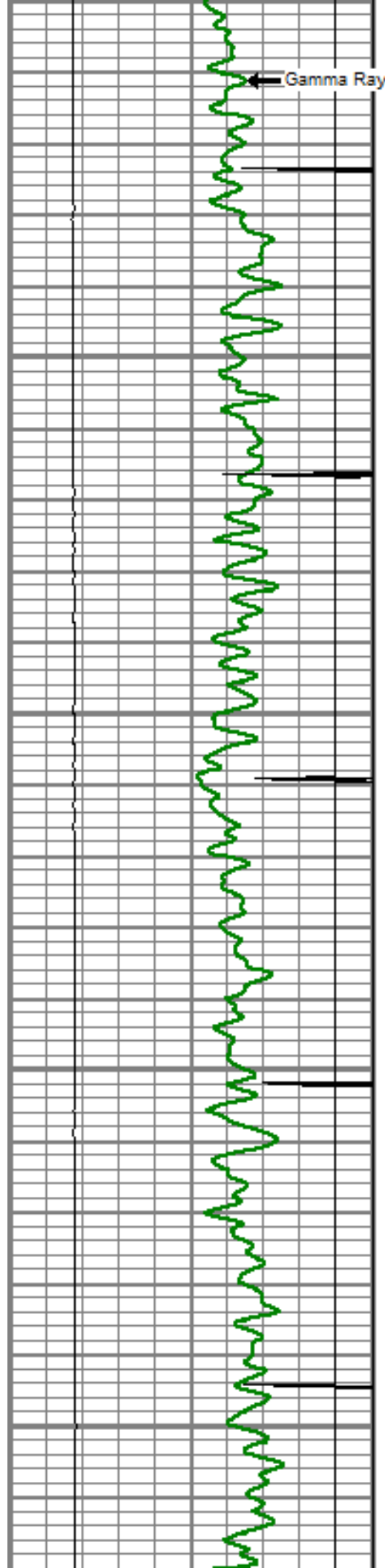
4750

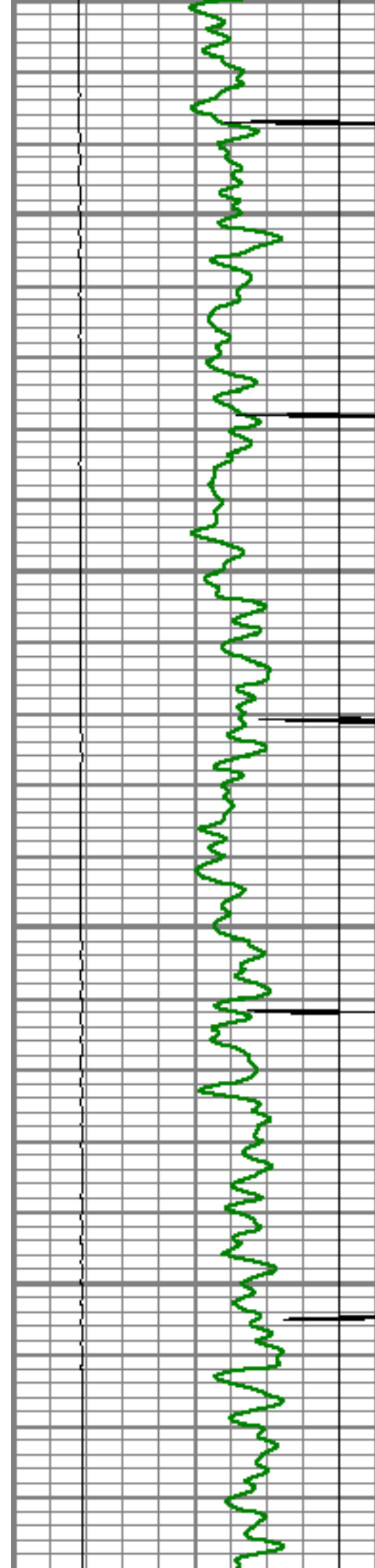
4800

4850







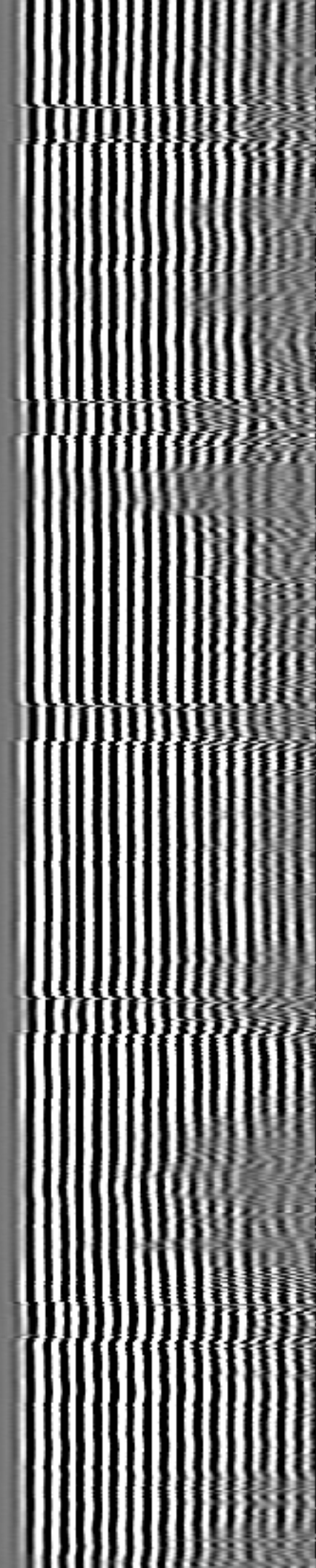
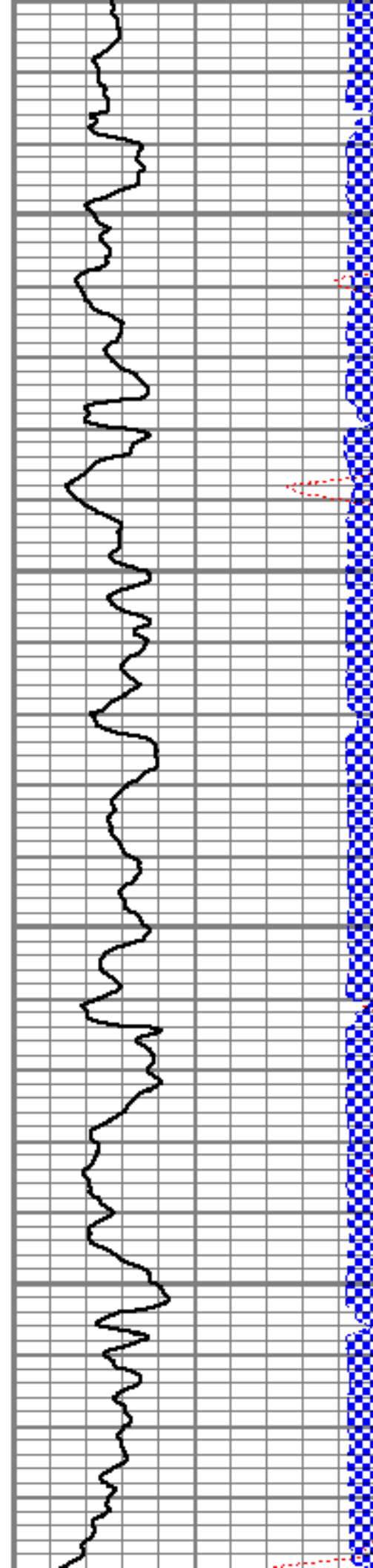


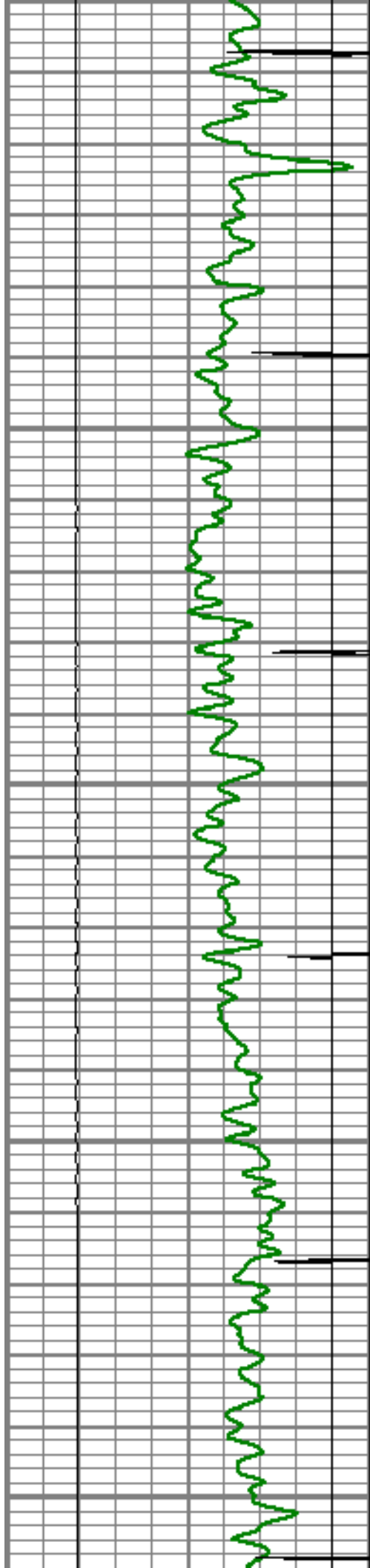
5350

5400

5450

5500





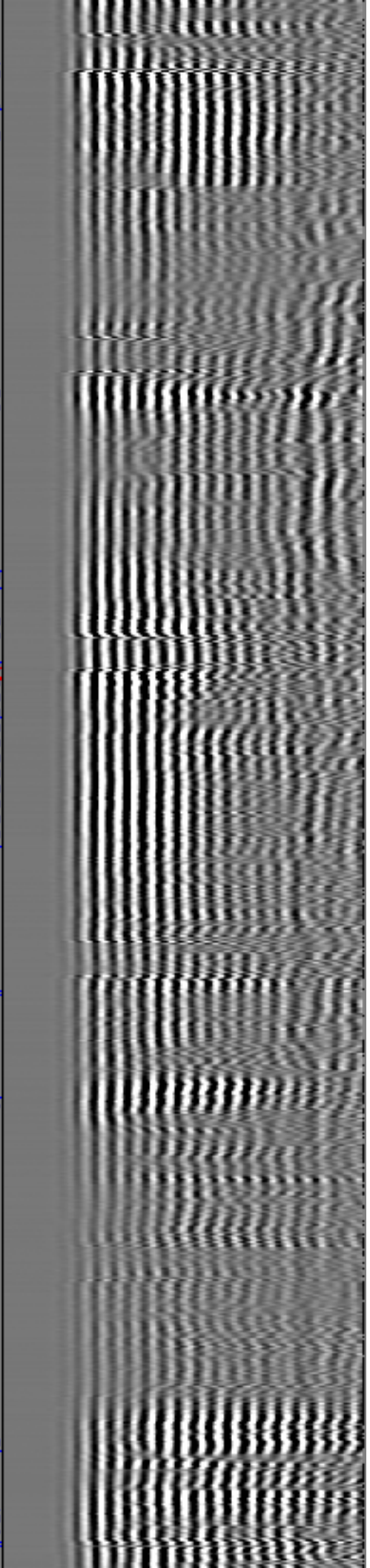
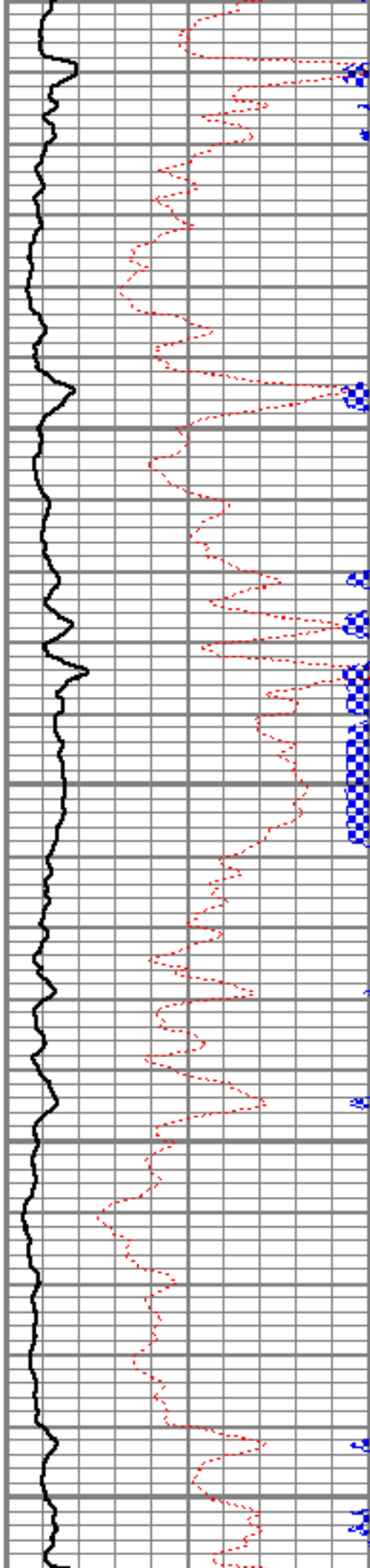
5550

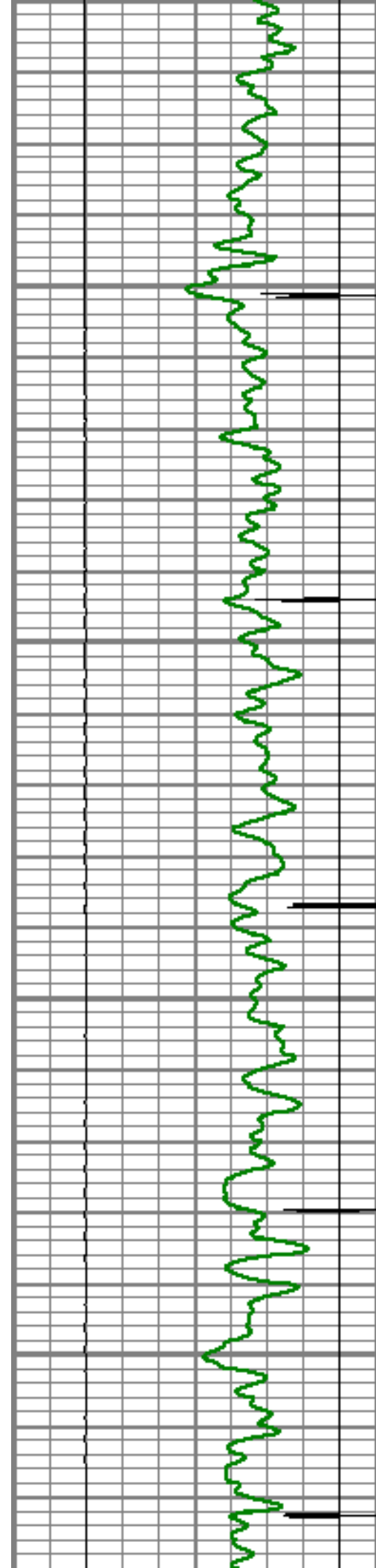
5600

5650

5700

5750



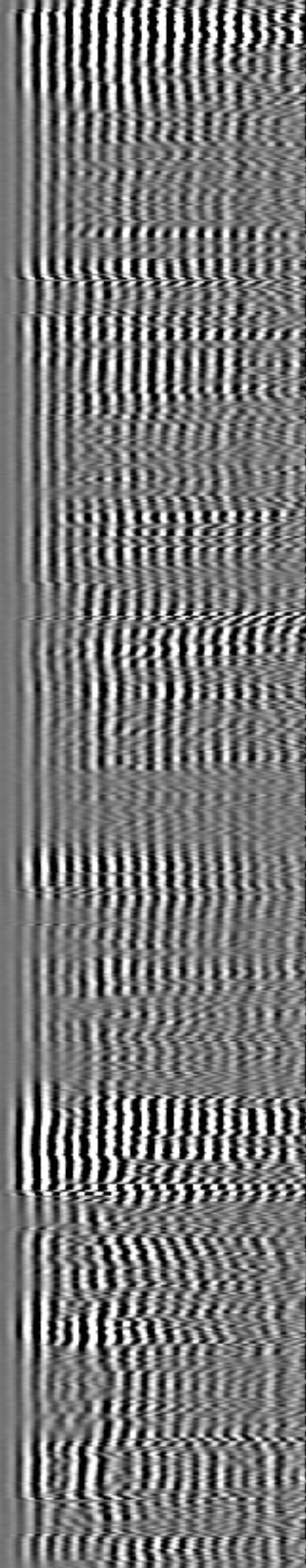
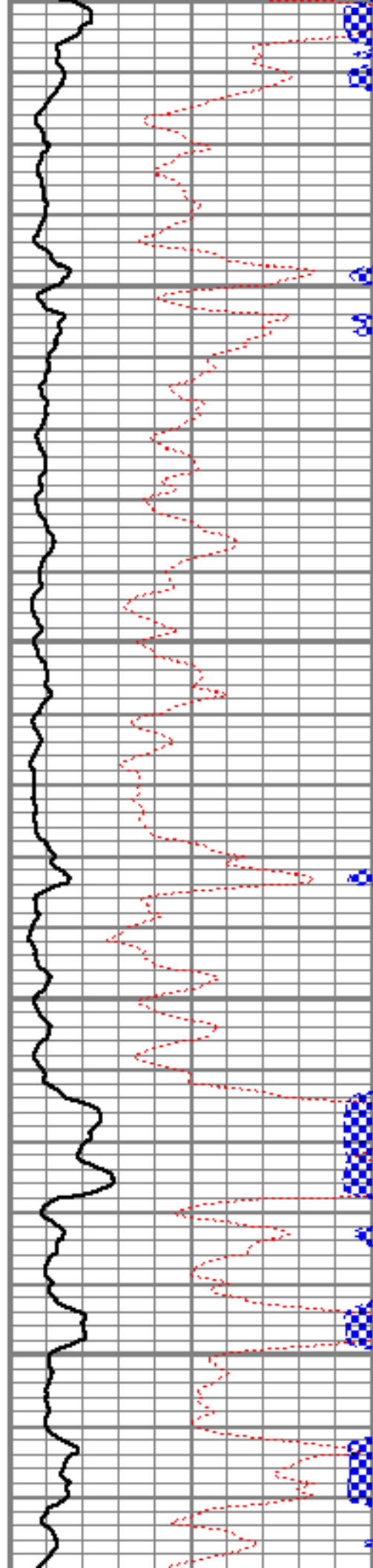


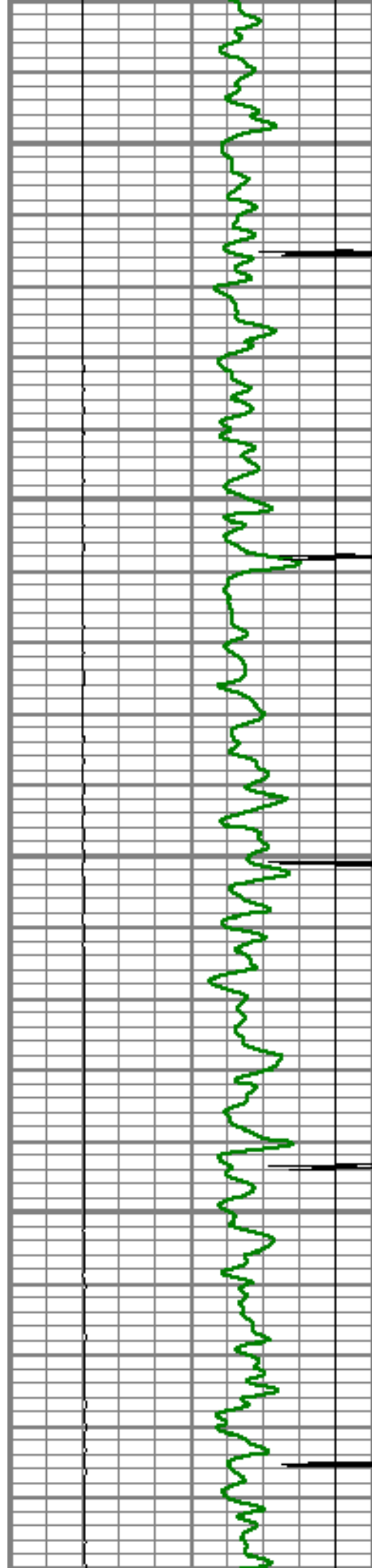
5800

5850

5900

5950





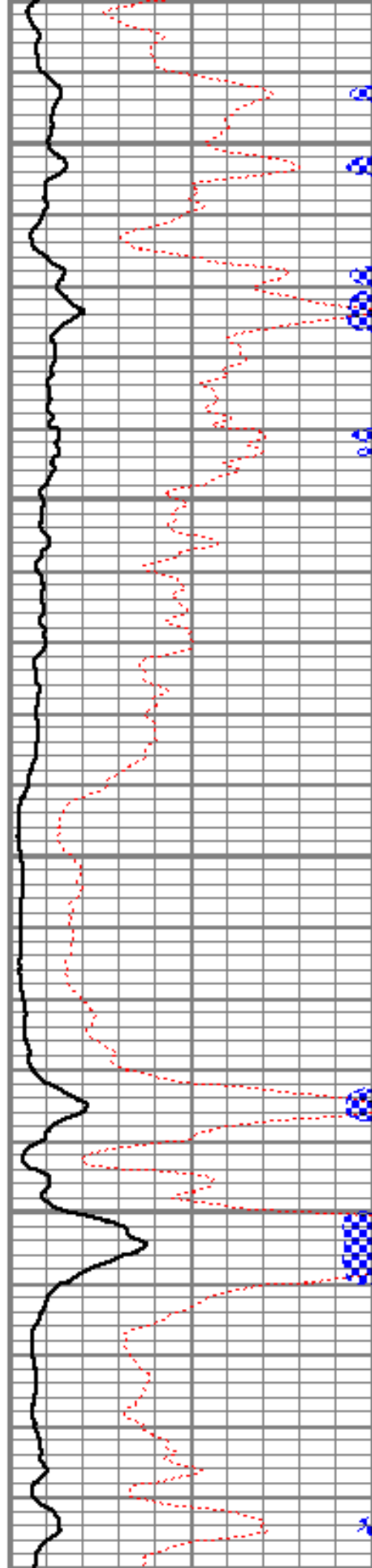
6000

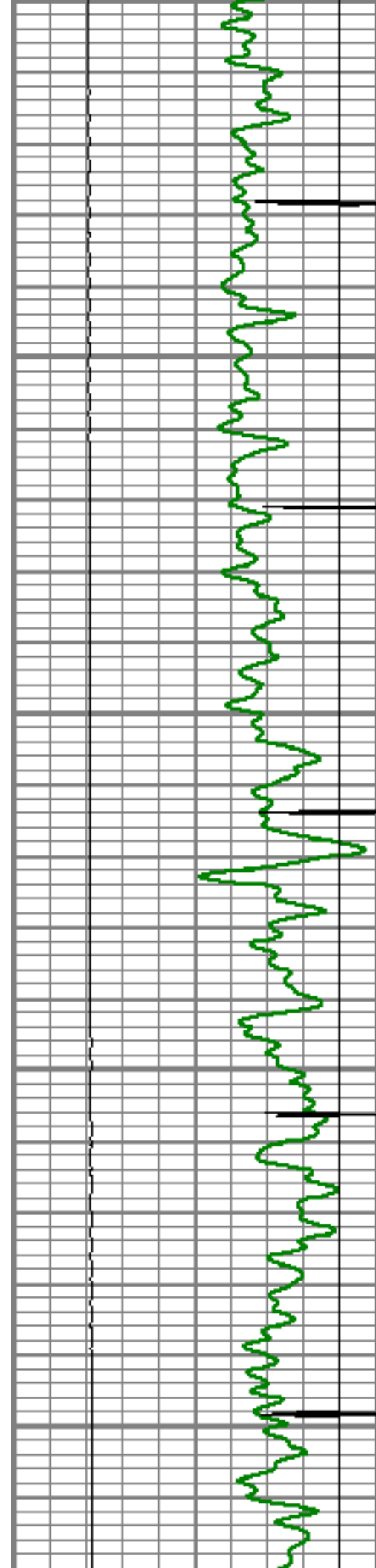
6050

6100

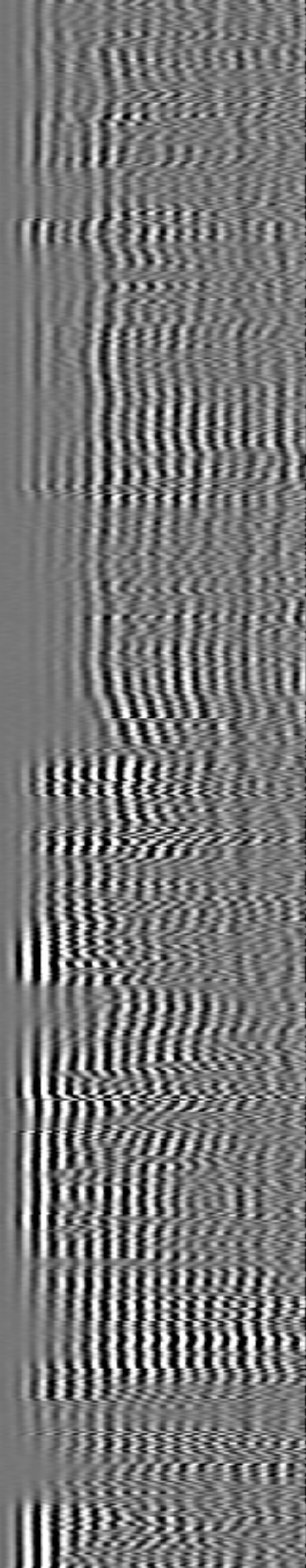
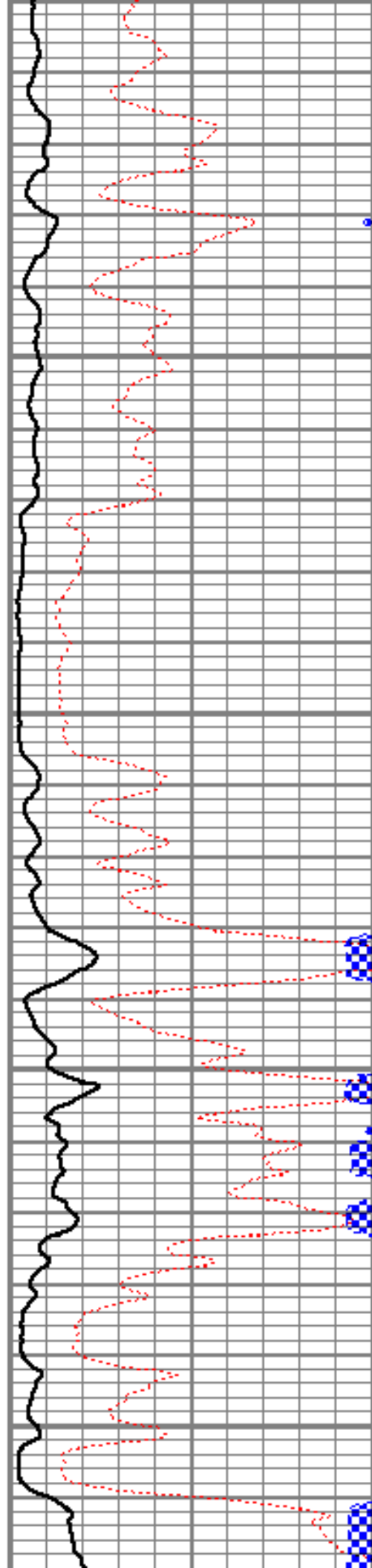
6150

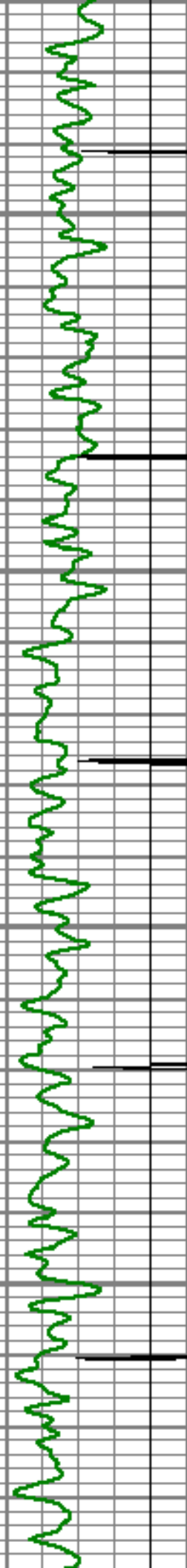
6200





6200
6250
6300
6350
6400



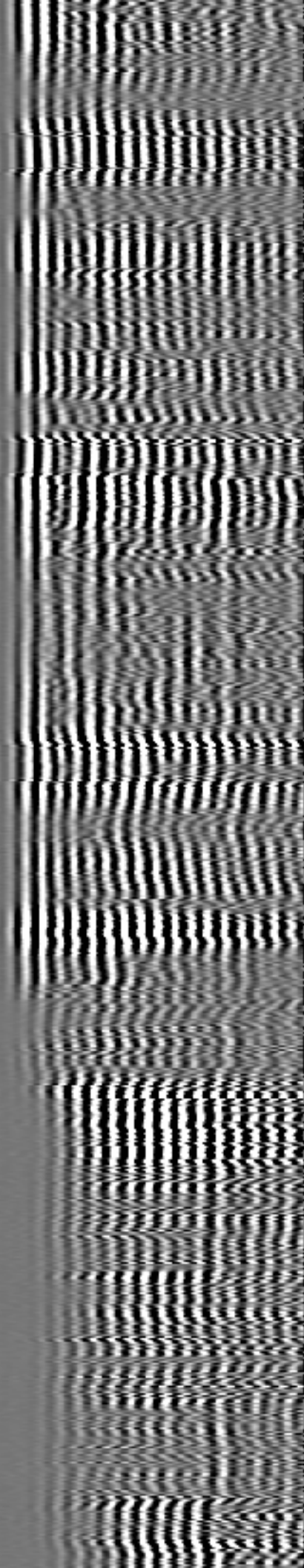
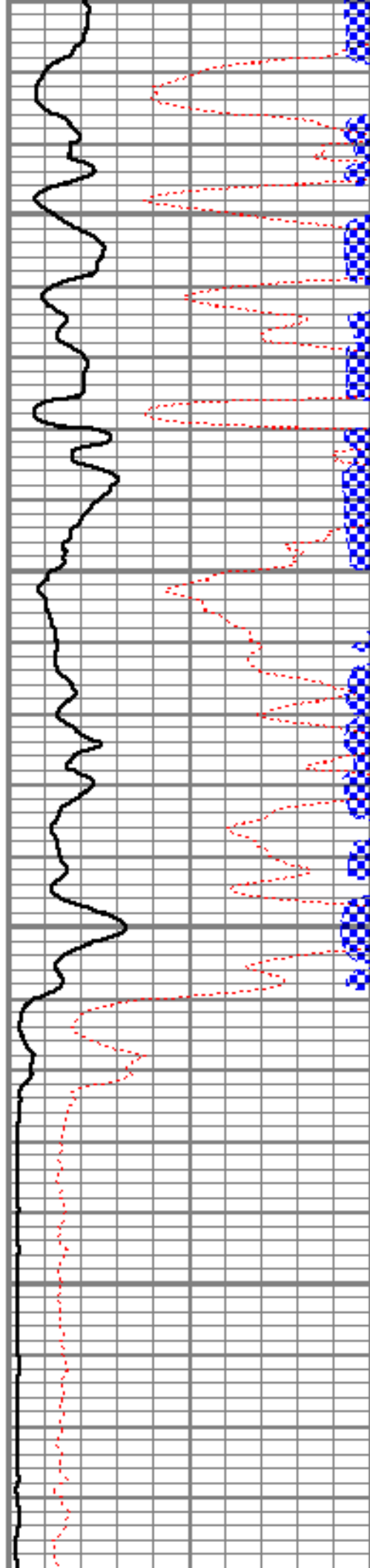


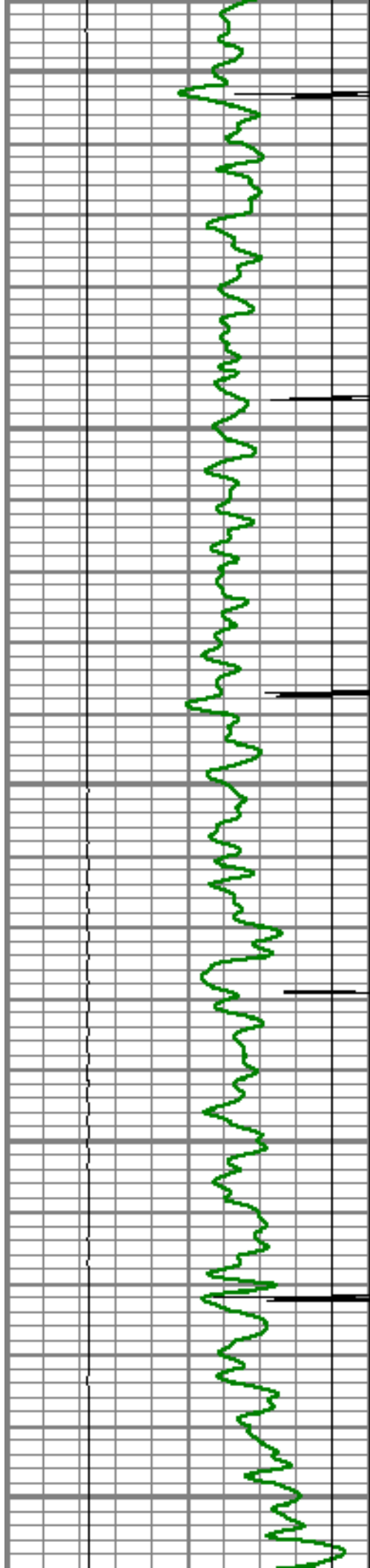
6450

6500

6550

6600





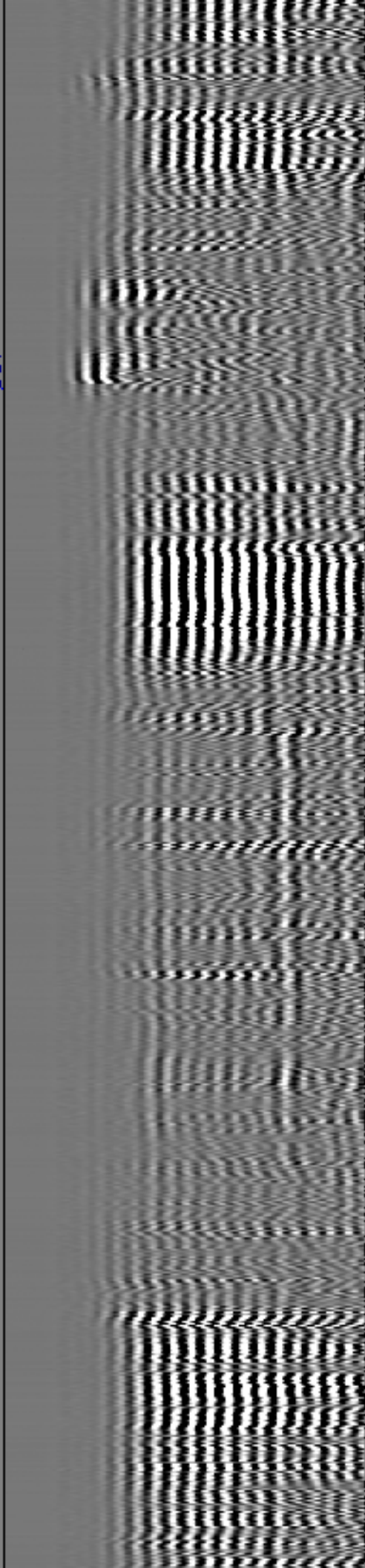
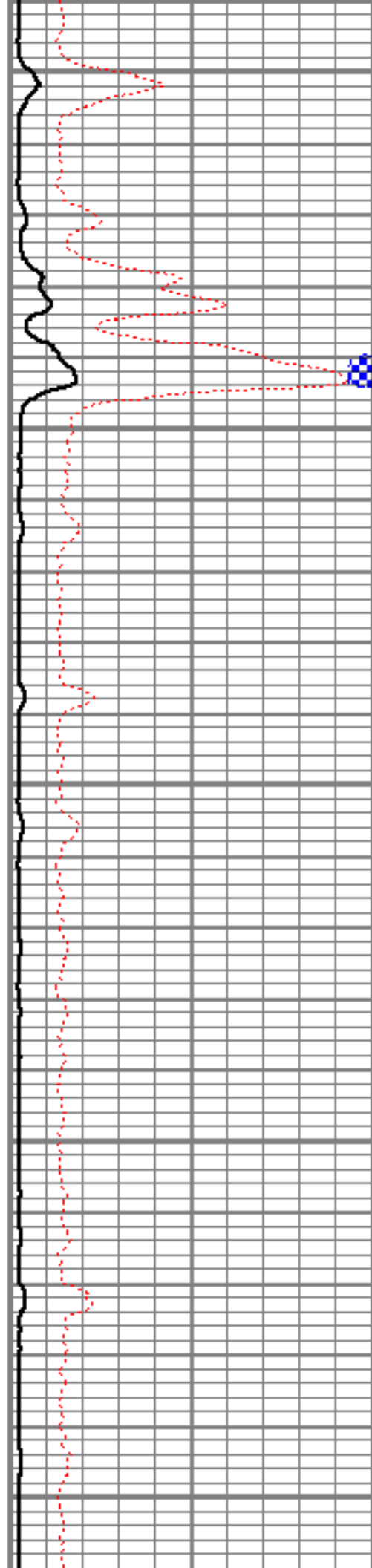
6650

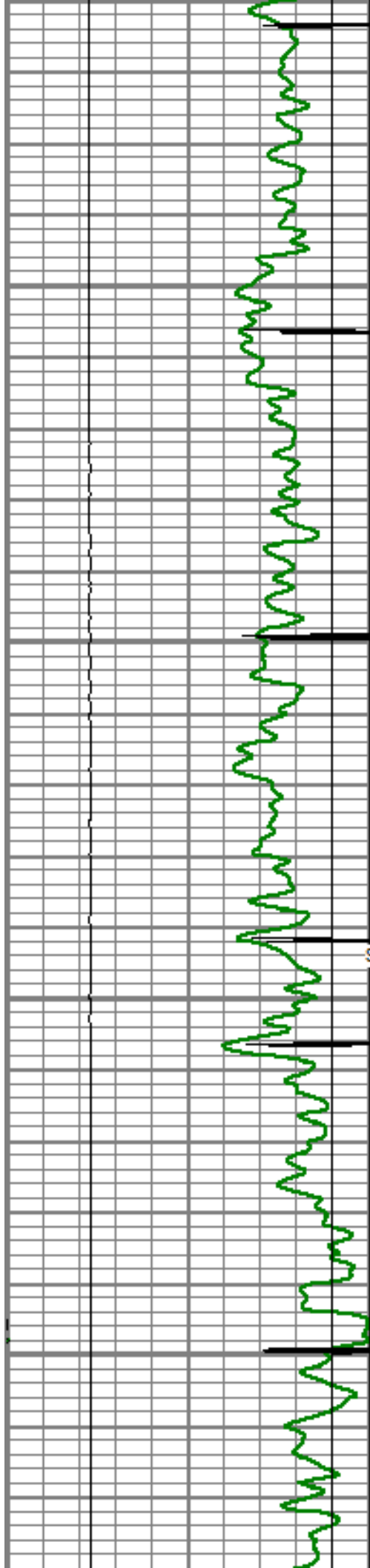
6700

6750

6800

6850





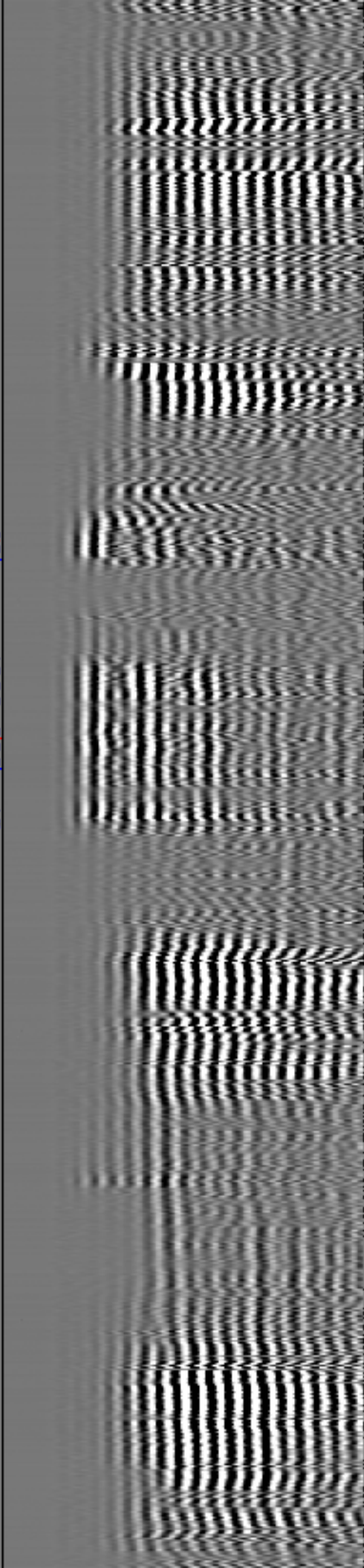
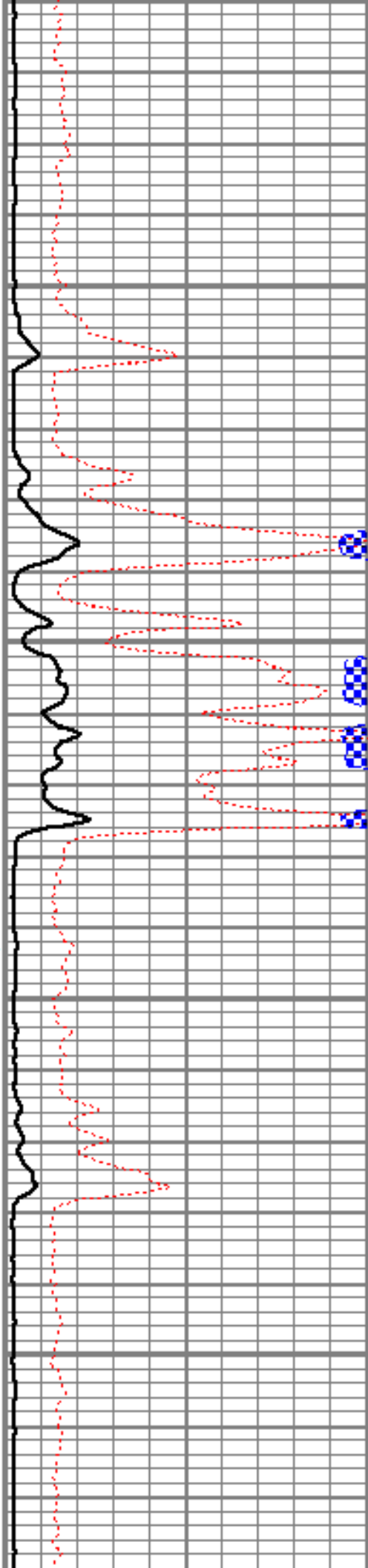
6900

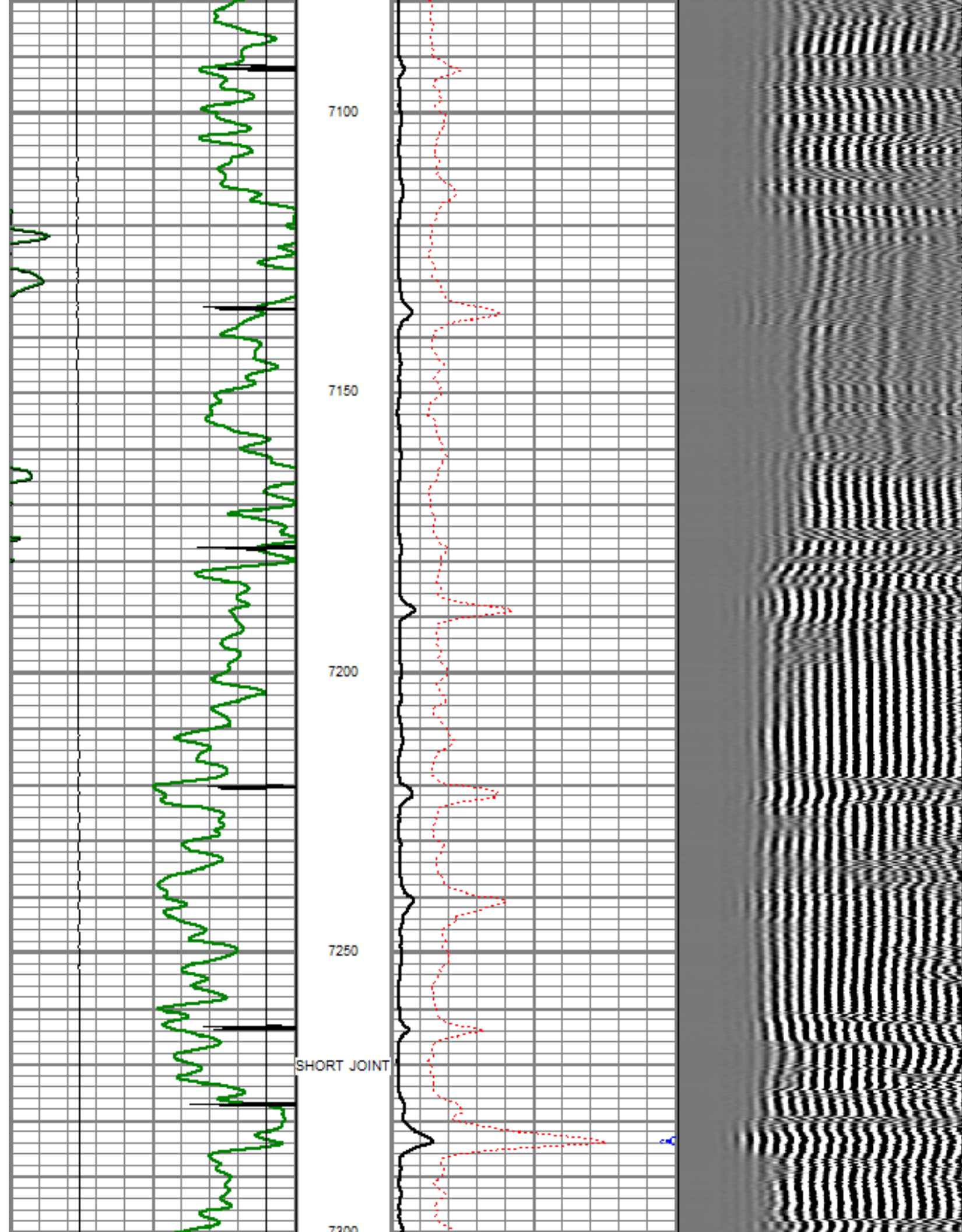
6950

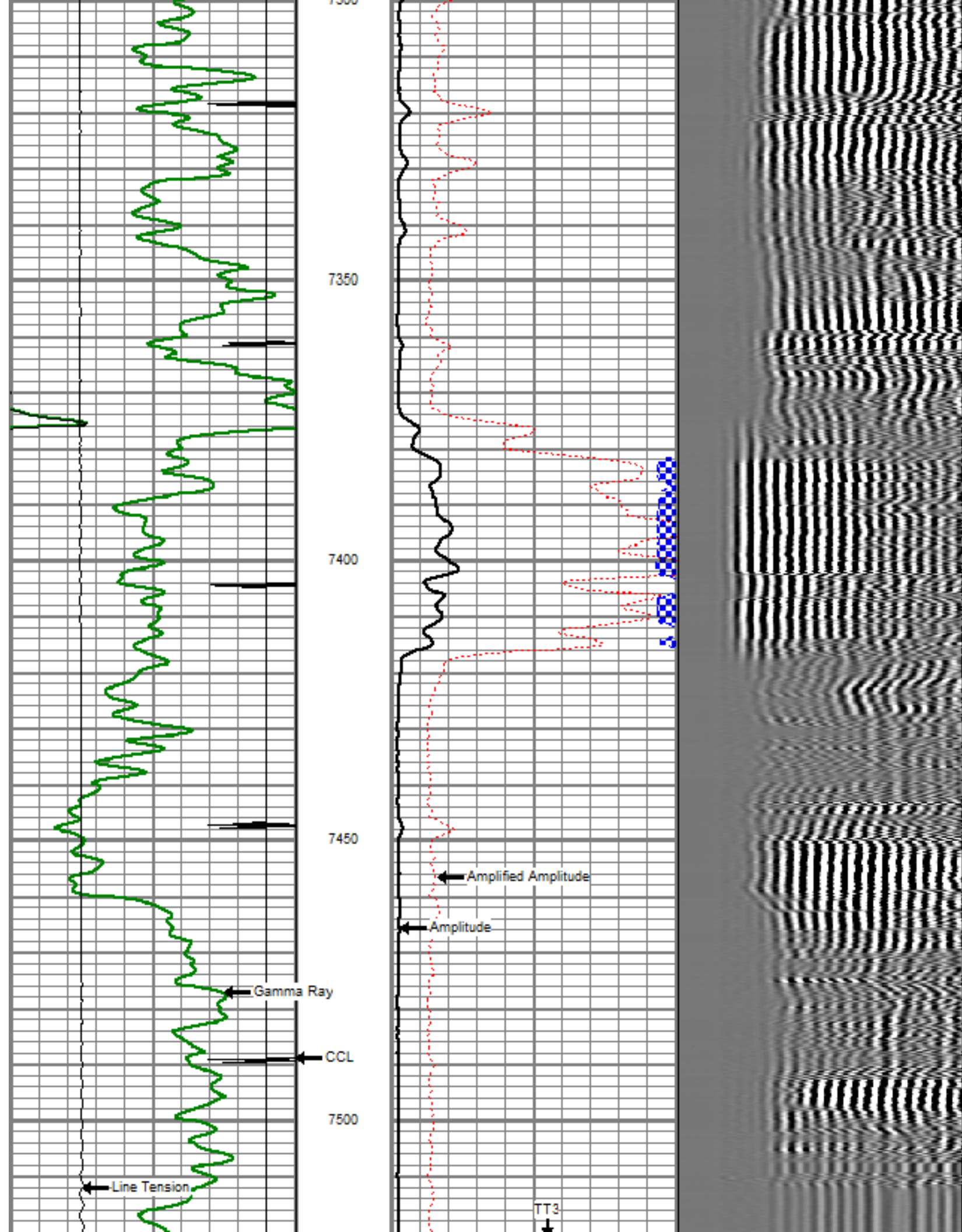
SHORT JOINT

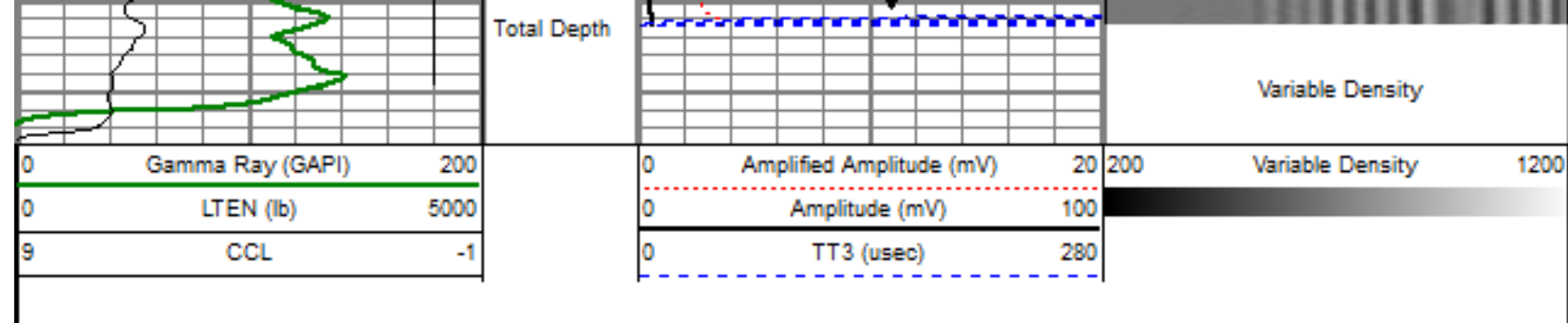
7000

7050











Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			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
WVF3	12.92		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77.1) Probe 2.75" Dual Receiver Bond		2.75	60.00
WVF5	11.92					
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL	4.88		GR-PROBE_GRCCCL (PRB_GRCCCL_275_014.54) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00

GR	2.15		TEMP-probe (PRB_TEMP_20) temperature tool	1.25	1.38	2.00
TEMP	0.17					
Dataset: camp1741d.db: field/well/run1/pass5OH2 Total Length: 21.33 ft Total Weight: 113.50 lb O.D. 2.75 in						

	Company	GREAT WESTERN OIL & GAS LLC
	Well	CAMPBELL JF 17-41D
	Field	WATTENBERG
	County	WELD
	State	COLORADO