



VDL CCL GAMMA-RAY  
CEMENT BOND LOG

Pioneer Energy Services

Company	BAYSWATER EXPLORATION & PROD. LLC	Company	BAYSWATER EXPLORATION & PROD. LLC	Location:	API # : 05123358370000	Other Services
Well	MILNE 23-18	Well	MILNE 23-18	Permanent Datum	GL	Elevation 4755'
Field	EATON	Field	EATON	Log Measured From	KB	K.B. 4771'
County	WELD	County	WELD	Drilling Measured From	KB	D.F. 4770'
State	COLORADO	State	COLORADO			G.L. 4755'

Date	JAN. 23 2013	Run Number	ONE	Depth Driller	7425'	Depth Logger	7382'	Bottom Logged Interval	7364'	Top Log Interval	44'	Open Hole Size	7 7/8"	Type Fluid	WATER	Density / Viscosity	NA	Max. Recorded Temp.	205 DEG. F	Estimated Cement Top	NA	Time Well Ready	NA	Time Logger on Bottom	NA	Equipment Number	9605	Location	FT MORGAN	Recorded By	TODD YOUNG	Witnessed By	MARCOS APODACA
------	--------------	------------	-----	---------------	-------	--------------	-------	------------------------	-------	------------------	-----	----------------	--------	------------	-------	---------------------	----	---------------------	------------	----------------------	----	-----------------	----	-----------------------	----	------------------	------	----------	-----------	-------------	------------	--------------	----------------

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Wgt/Ft	Top		Bottom
Surface String							
Prot. String	4.5"			11.6 #	SURFACE		TD
Production String							
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.

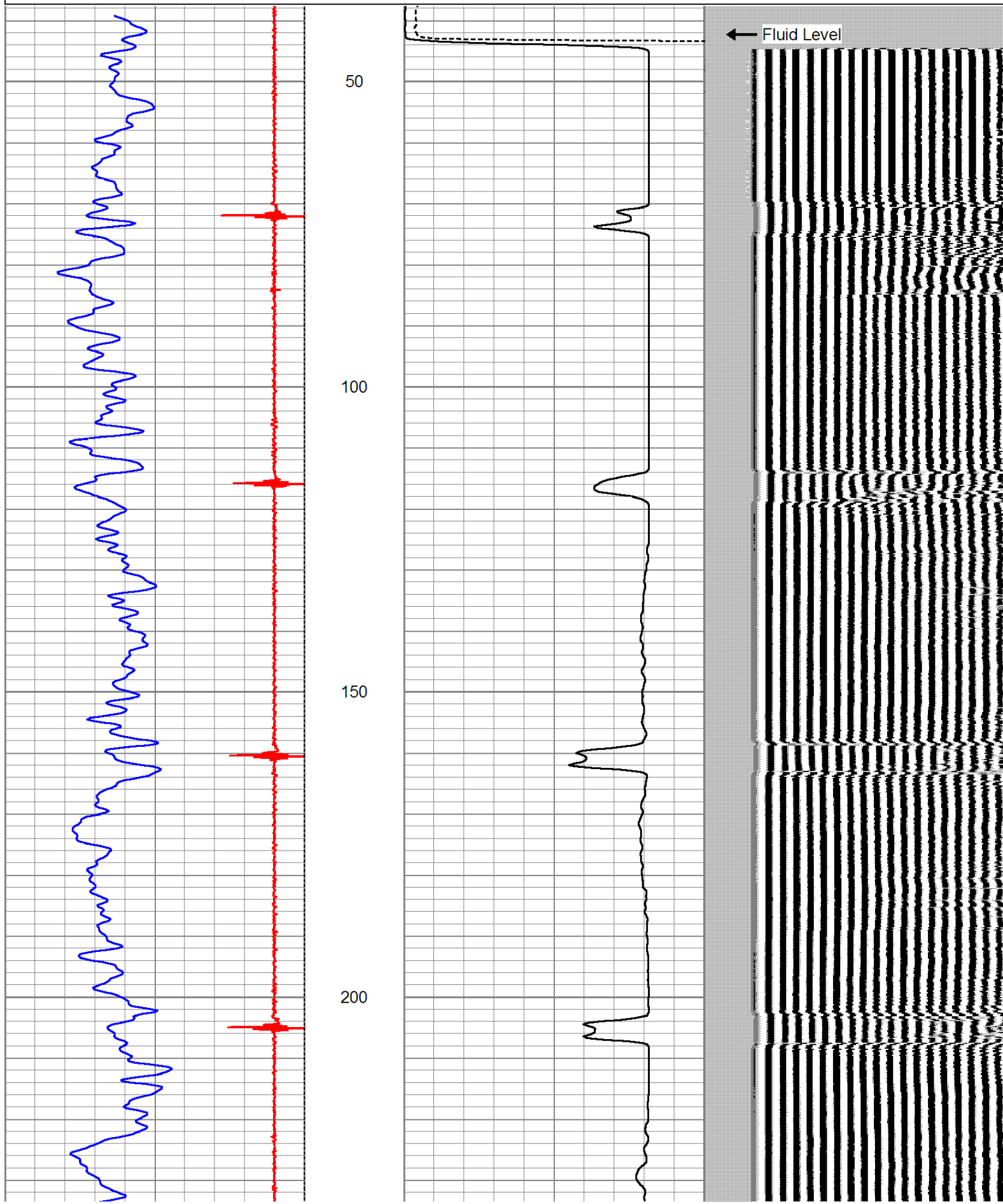
Comments

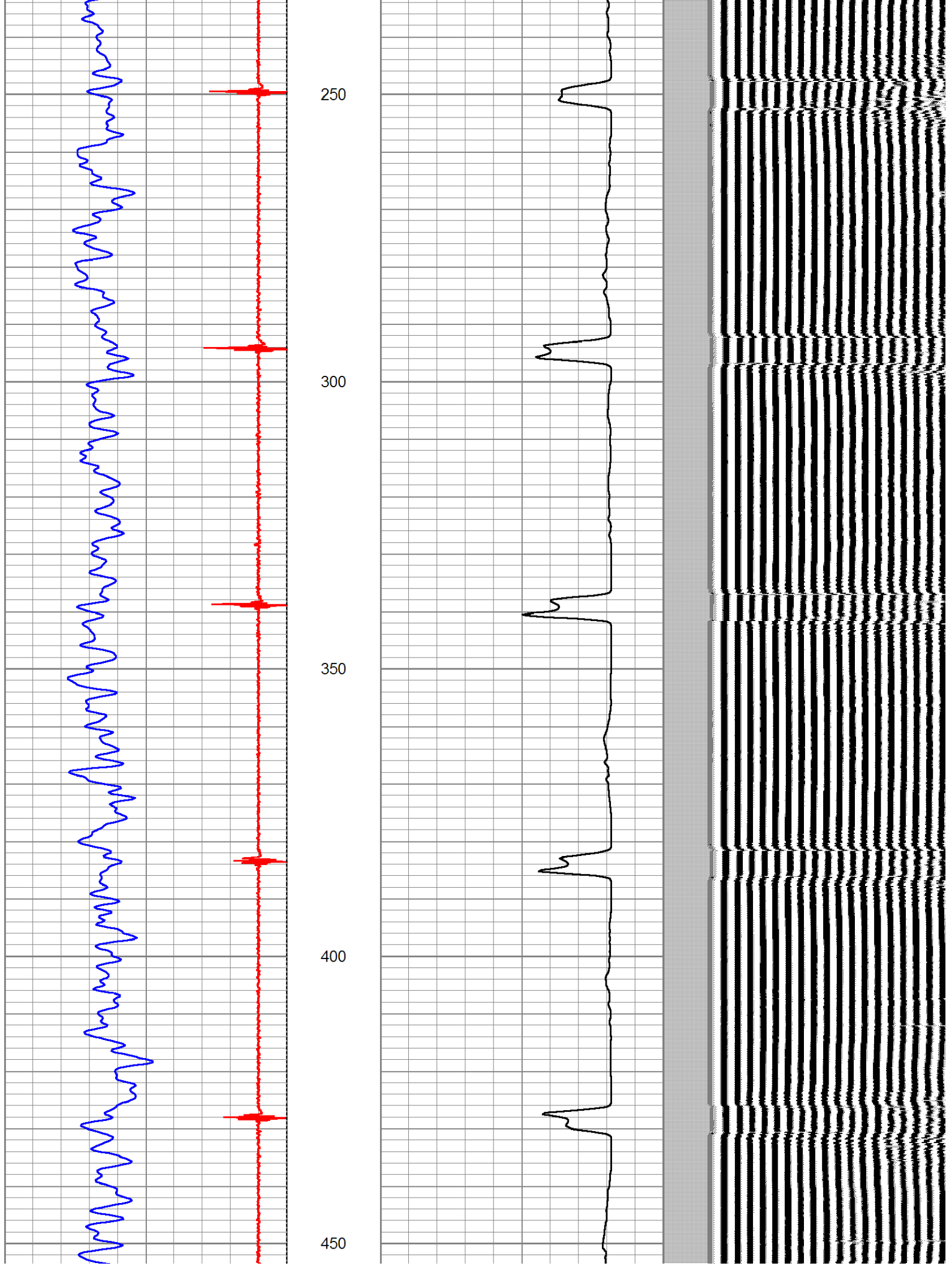
SO # 203480  
N  
X  
W O E  
O  
S  
THANK YOU FOR USING  
PIONEER ENERGY SERVICES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31		CCL-titan01 (01t)	1.92	2.75	

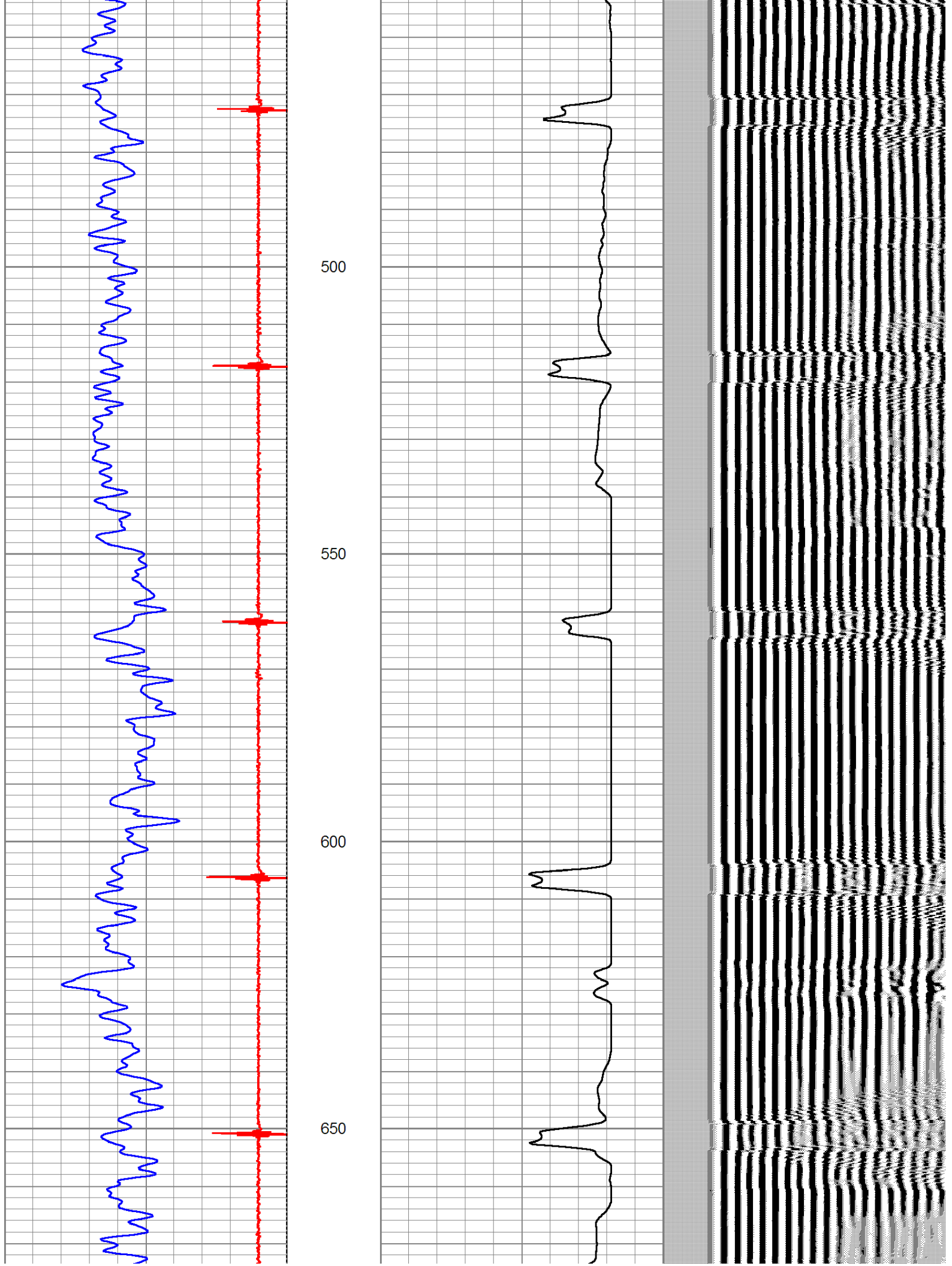


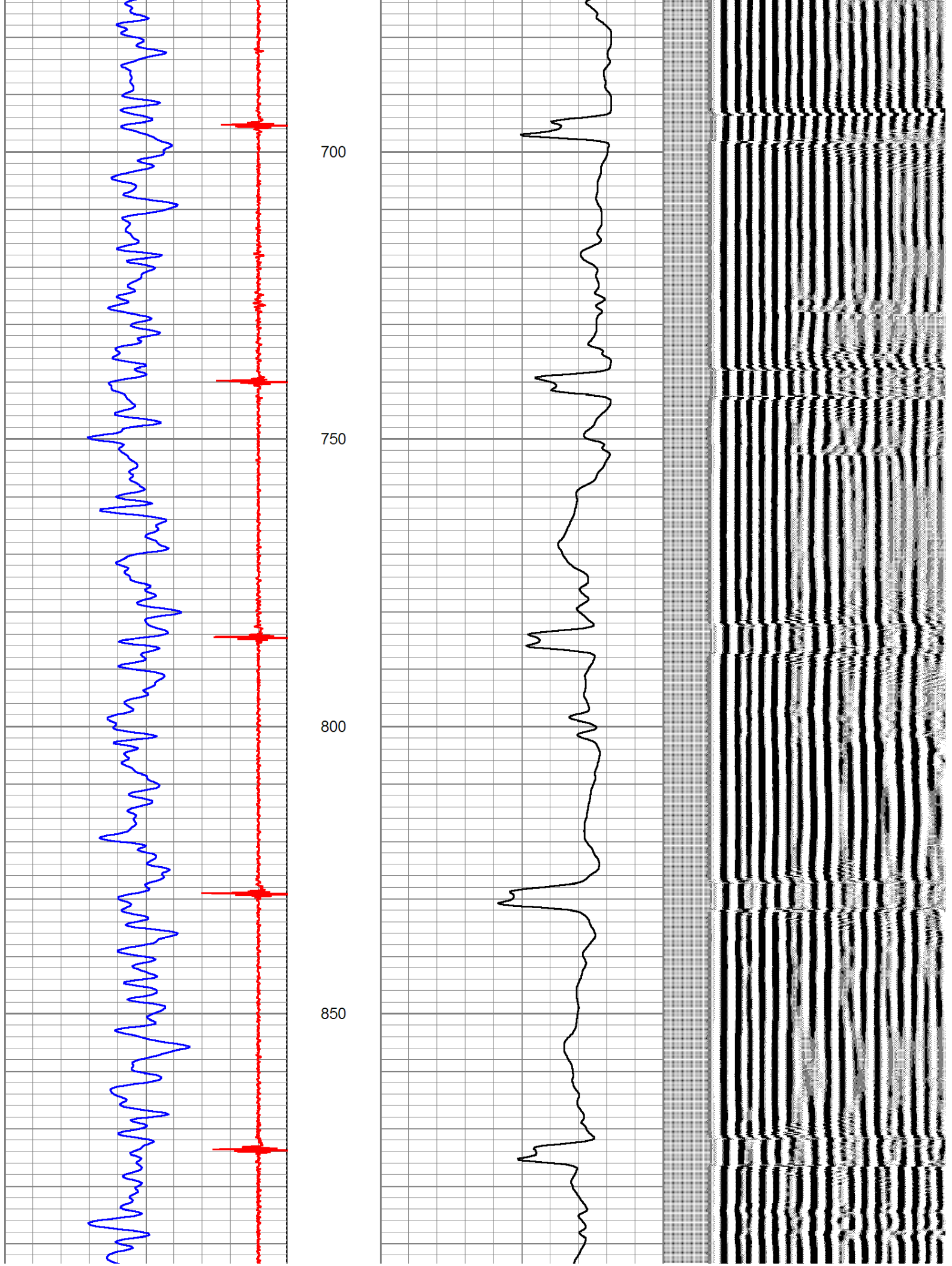
9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb)2000	0	Amplitude (mV)	100		



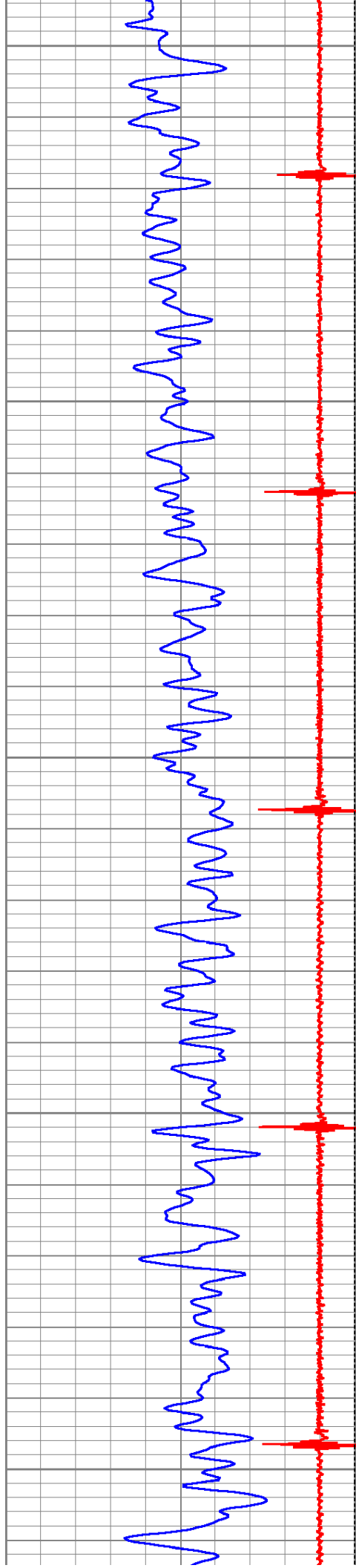












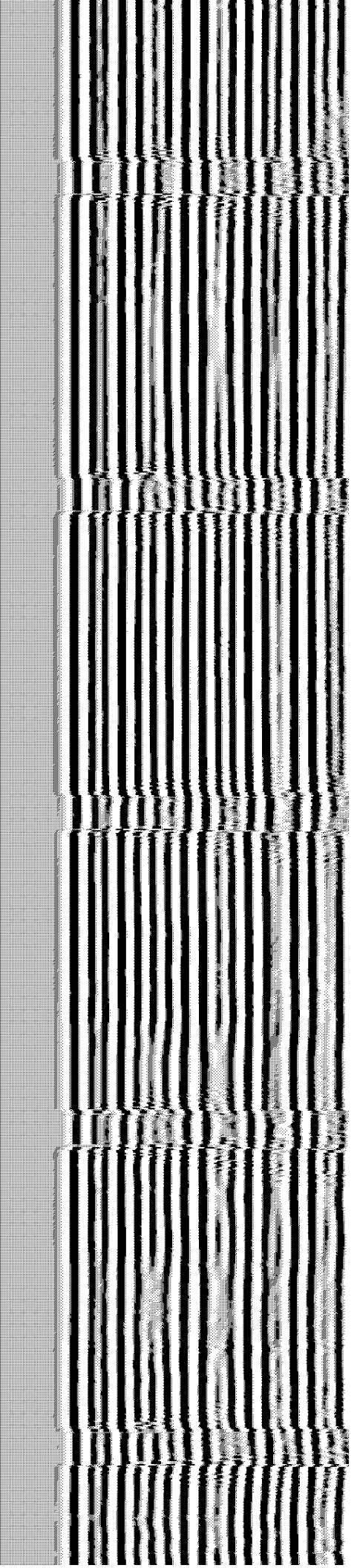
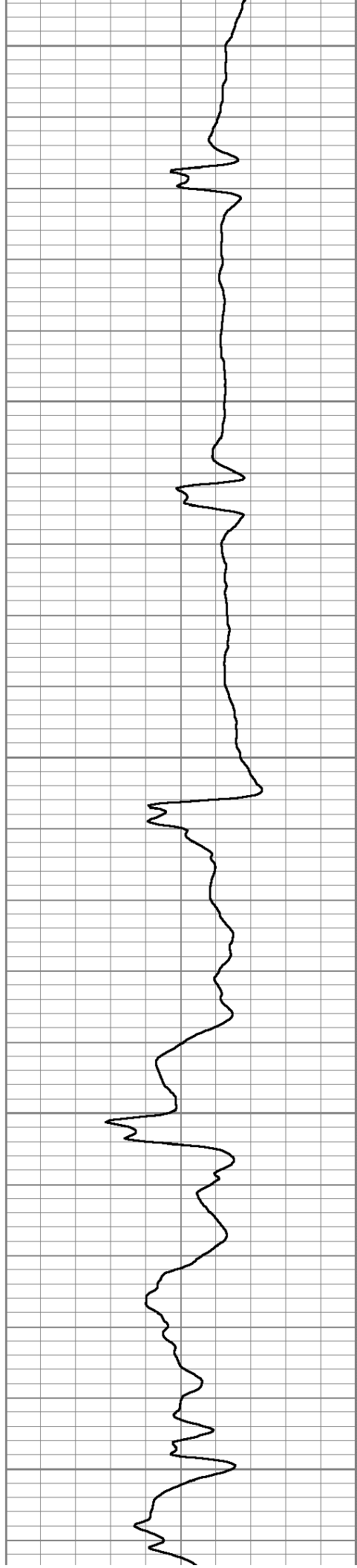
900

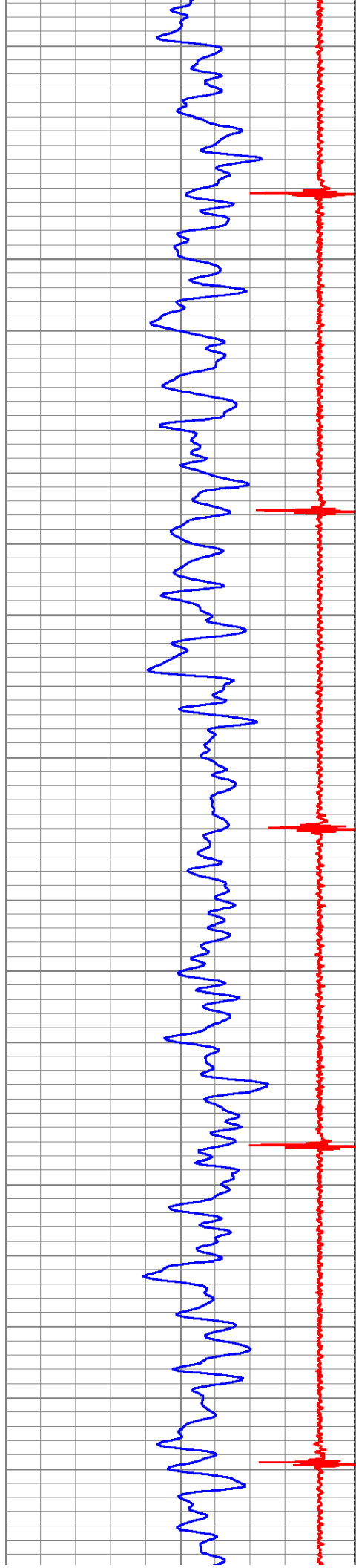
950

1000

1050

1100



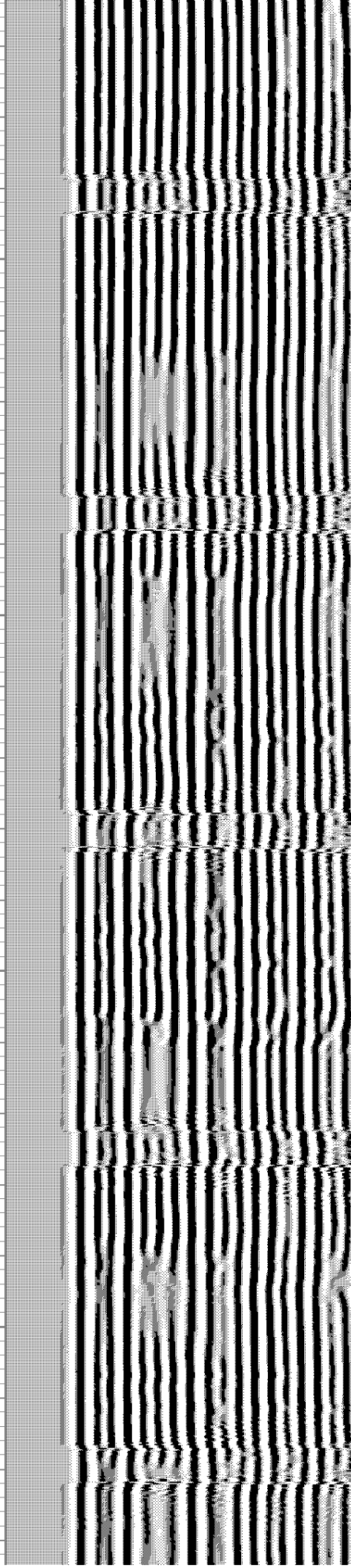
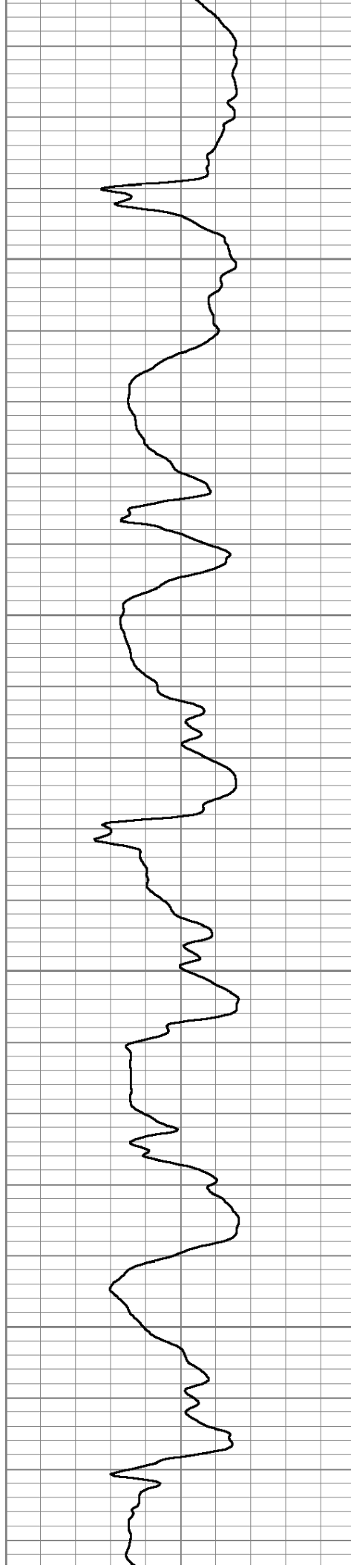


1150

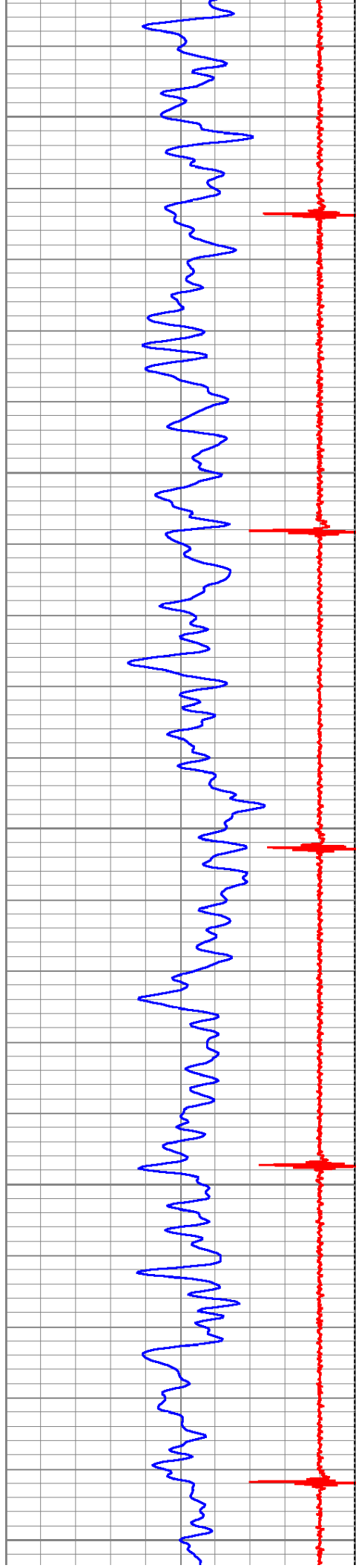
1200

1250

1300







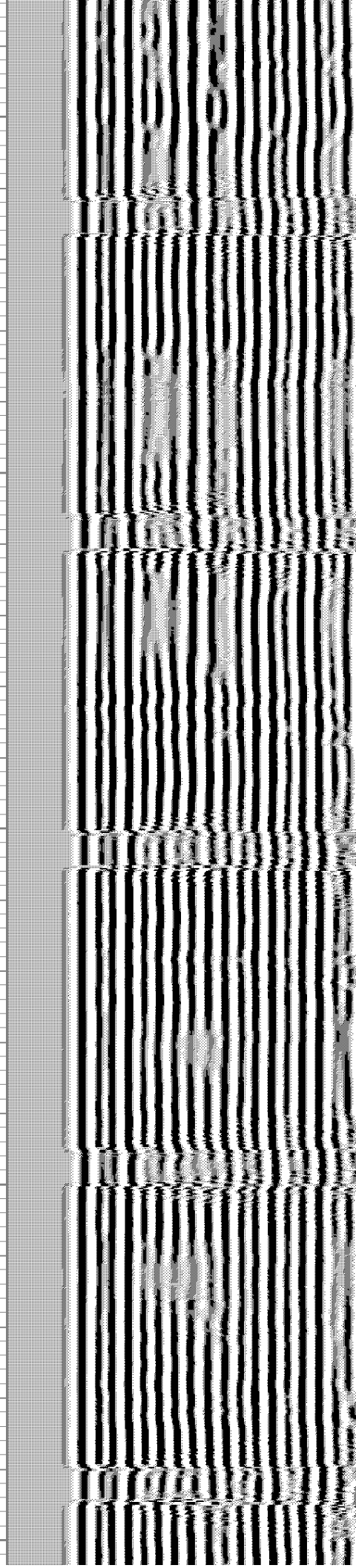
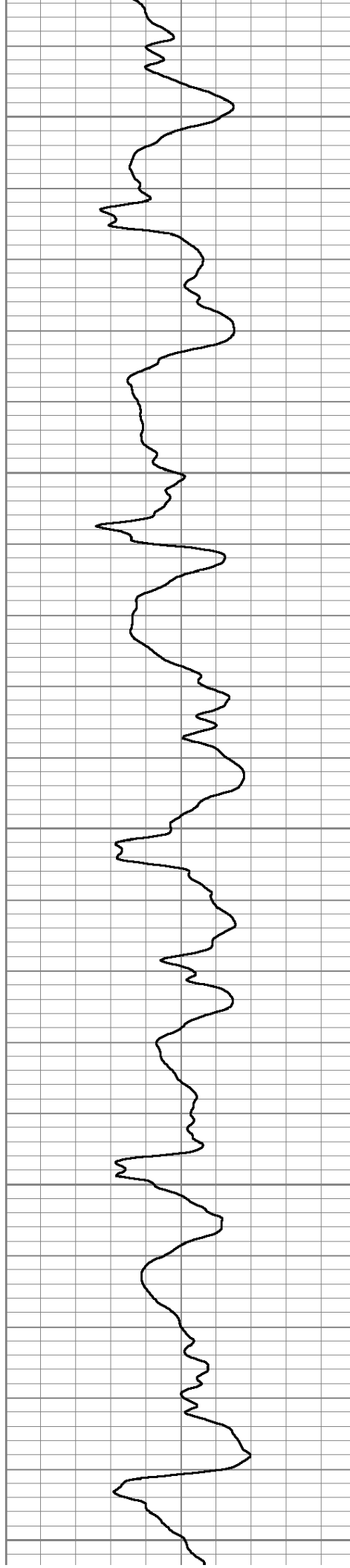
1350

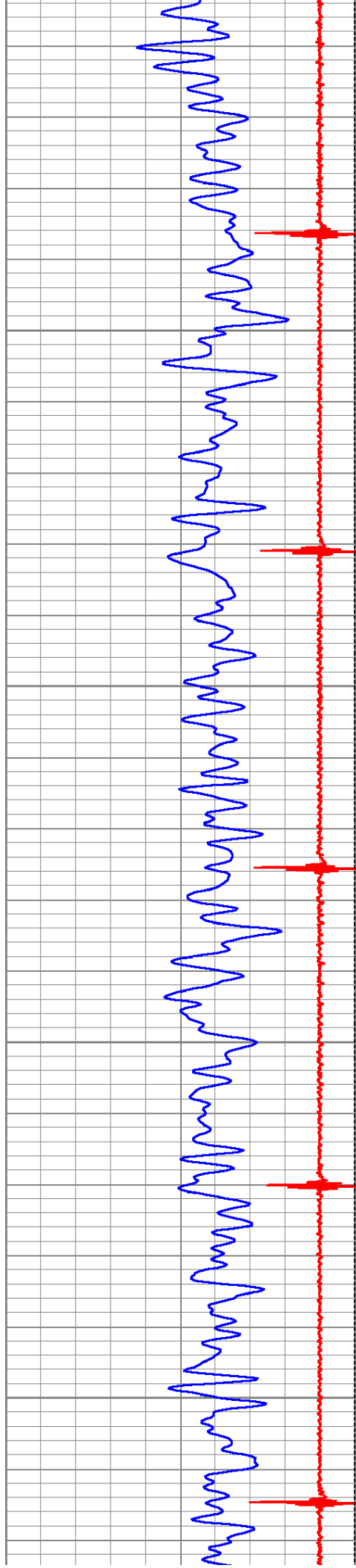
1400

1450

1500

1550



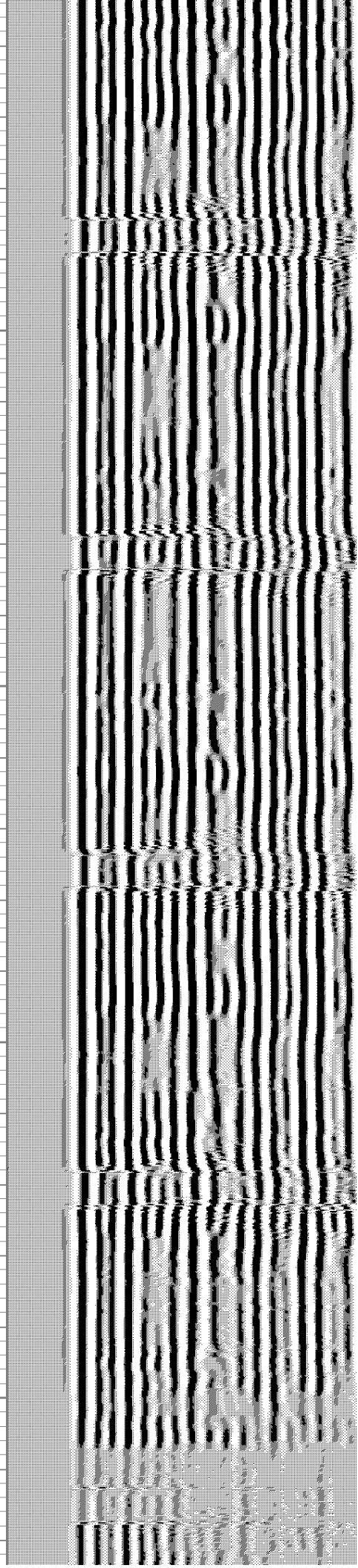
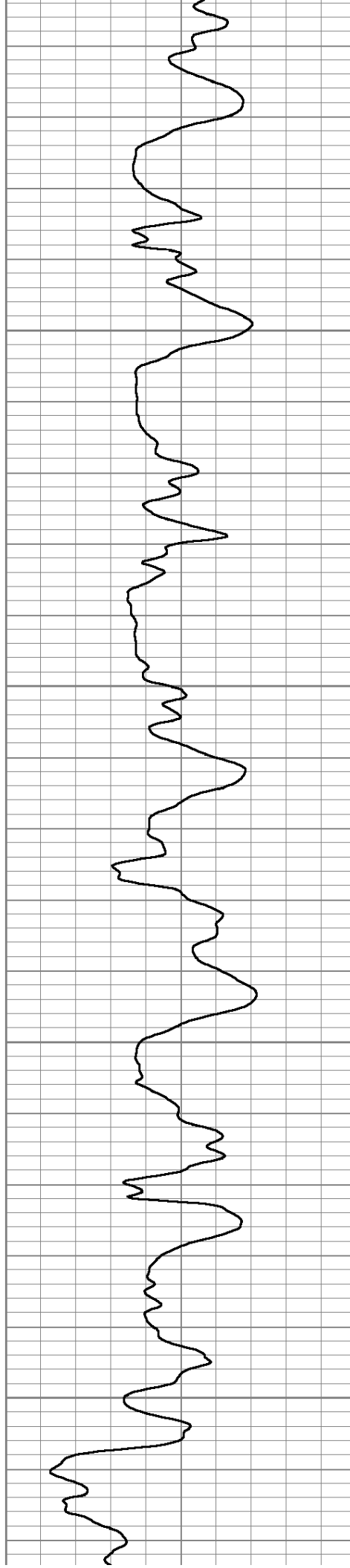


1600

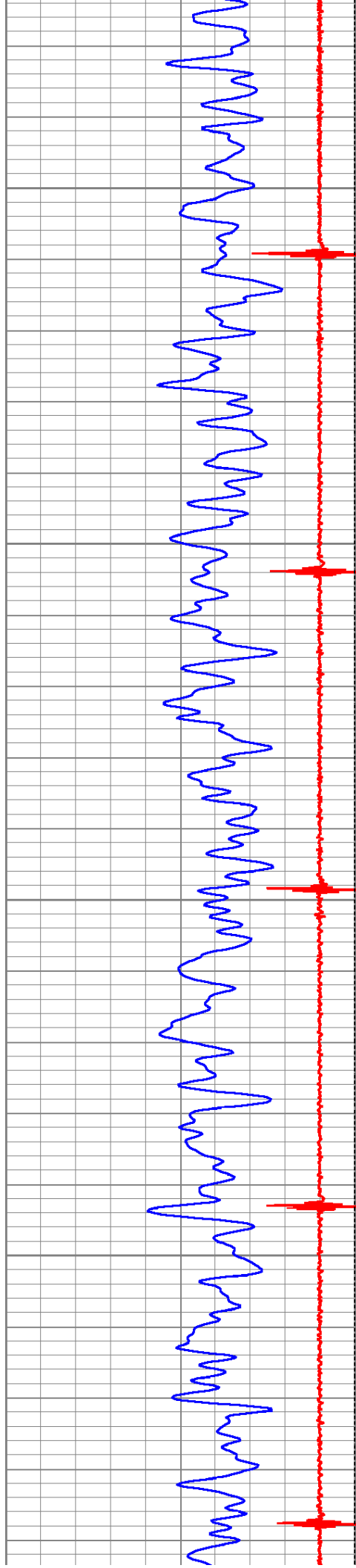
1650

1700

1750





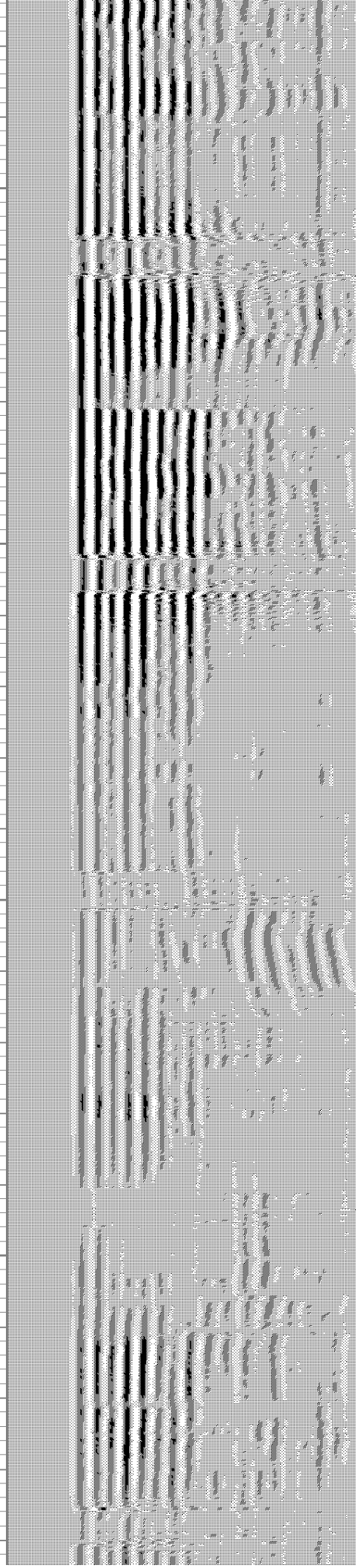
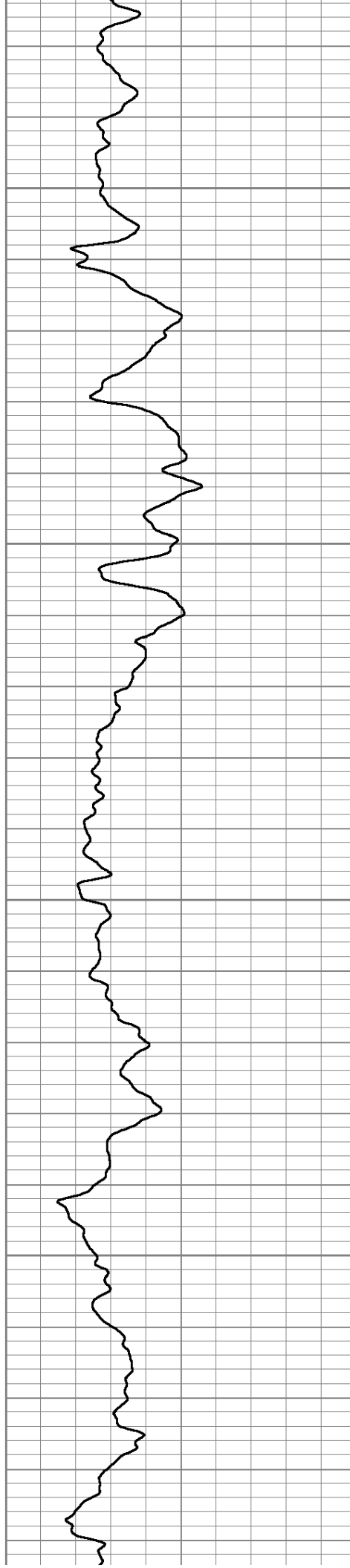


1800

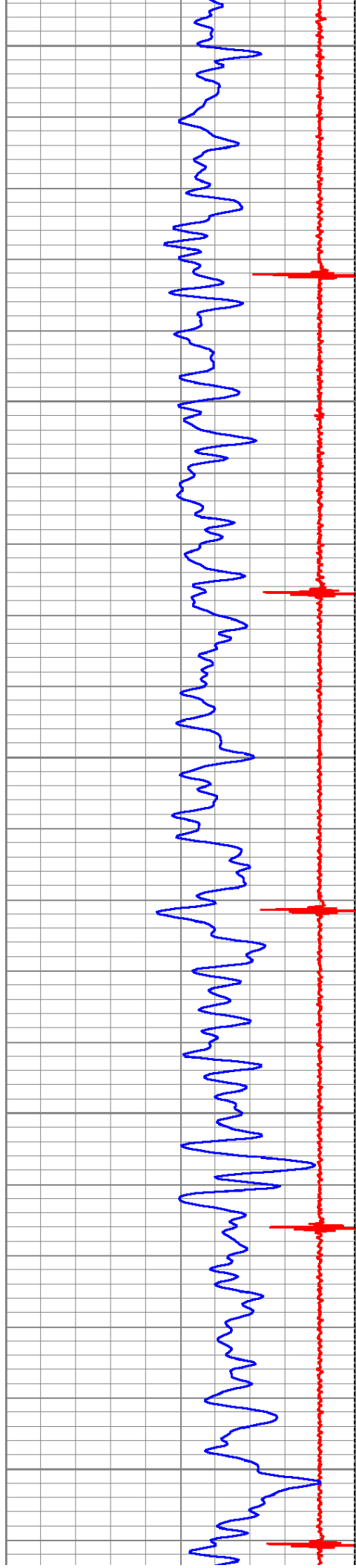
1850

1900

1950







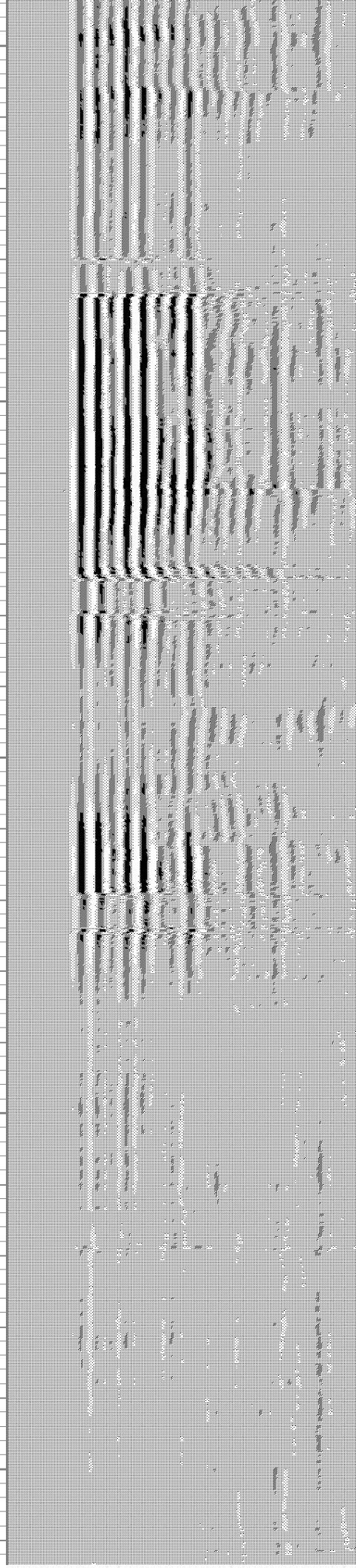
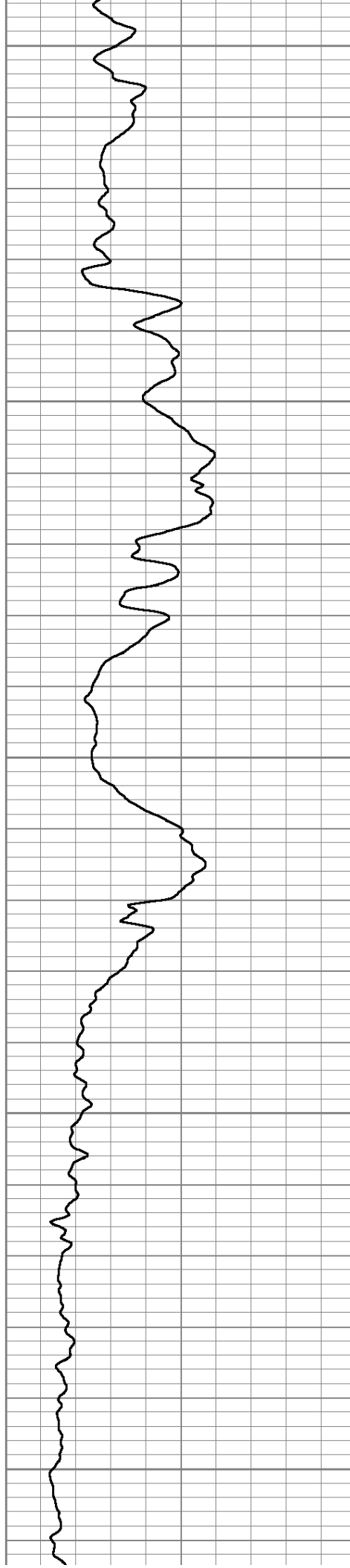
2000

2050

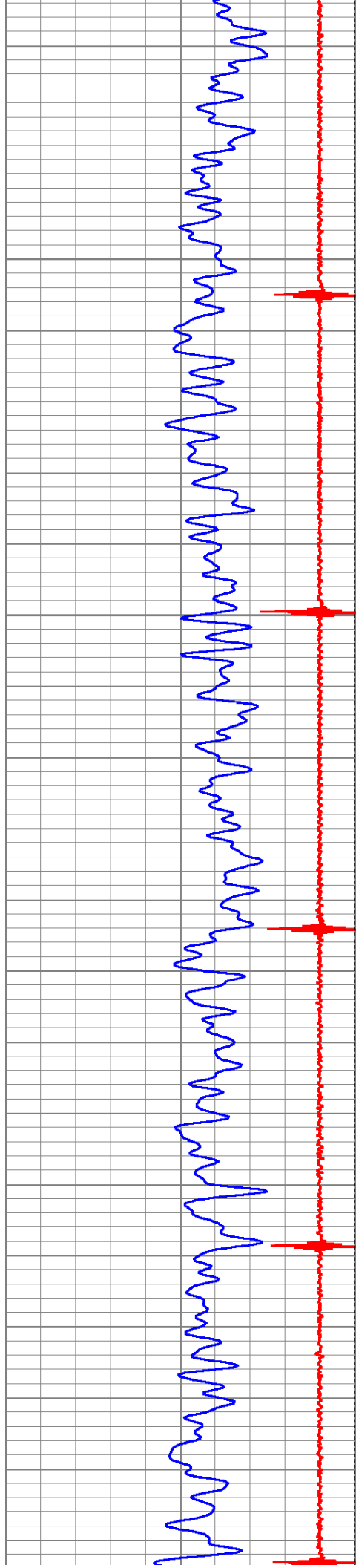
2100

2150

2200





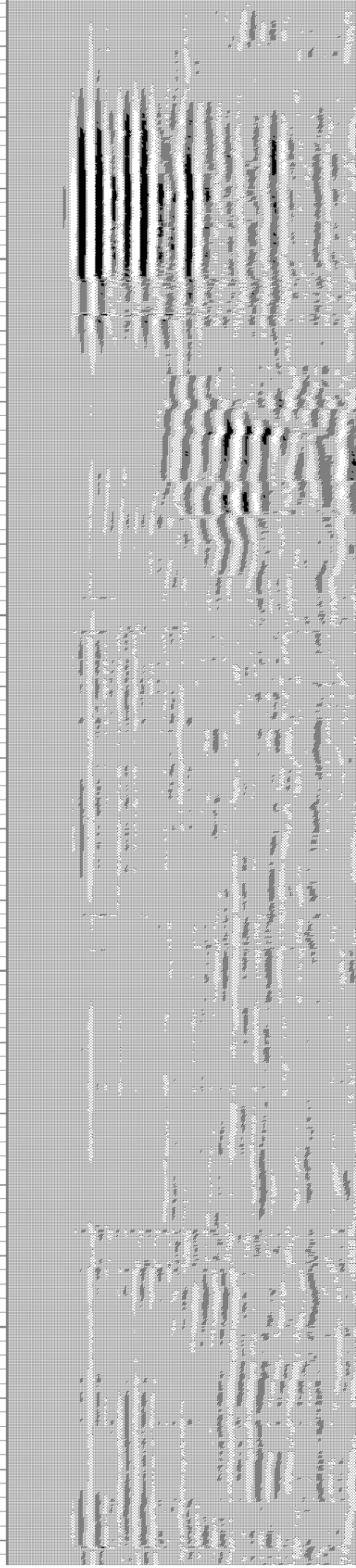
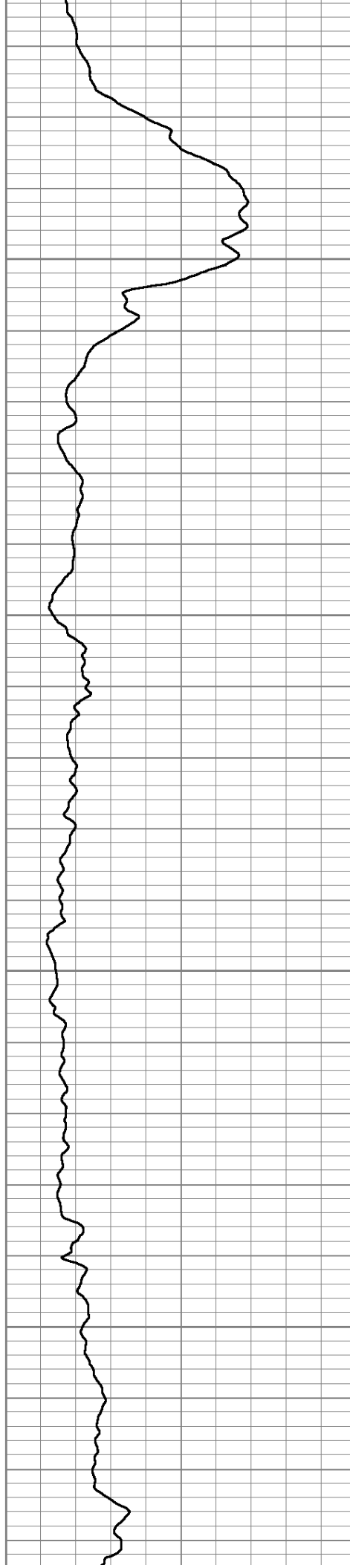


2250

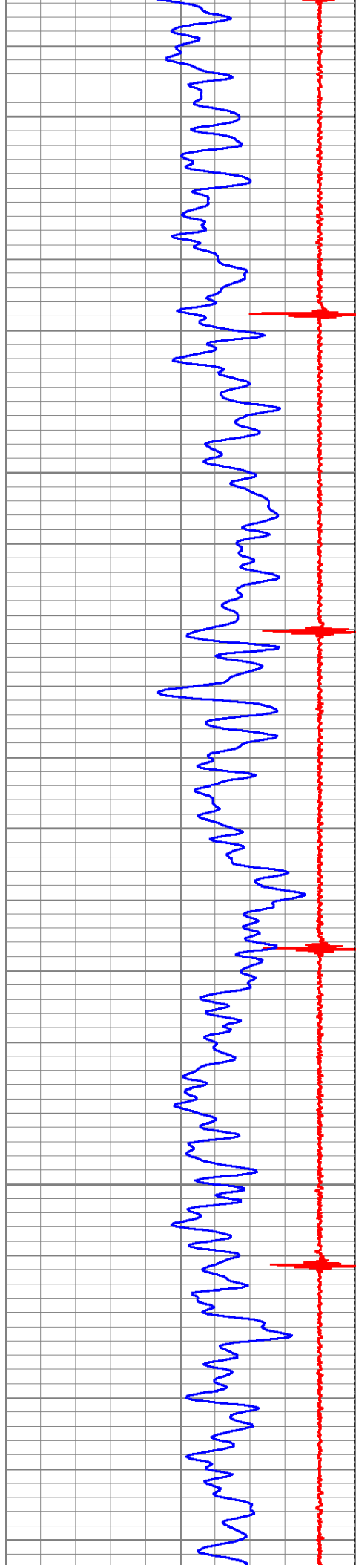
2300

2350

2400







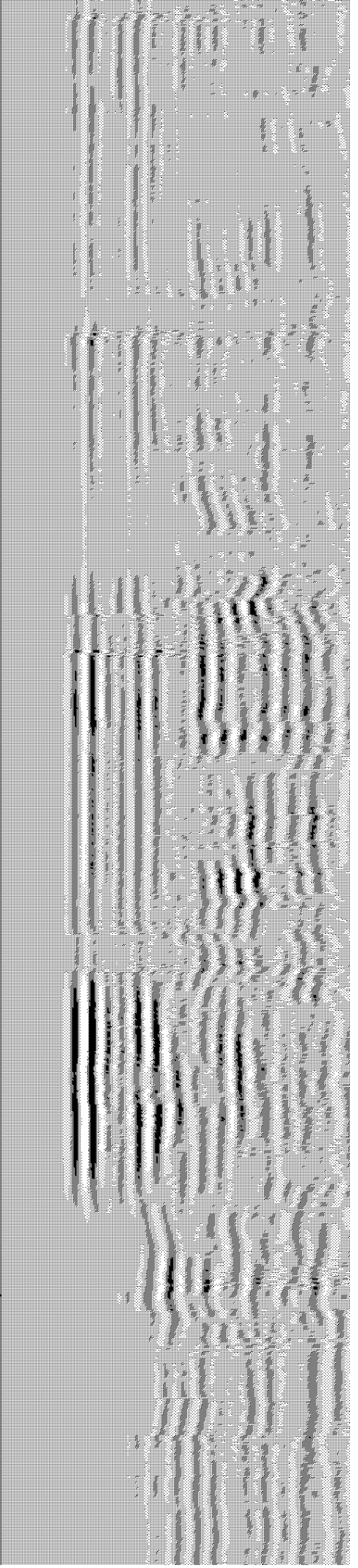
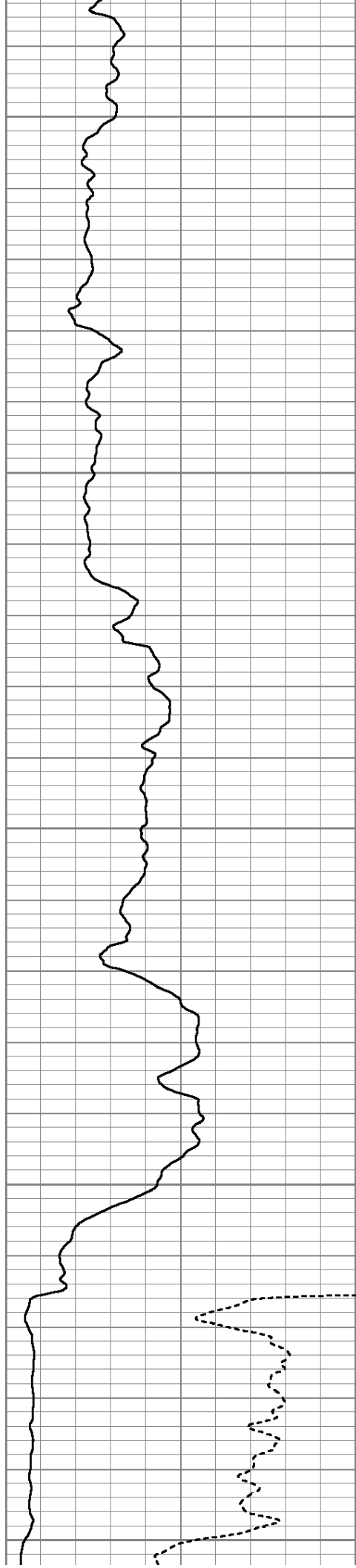
2450

2500

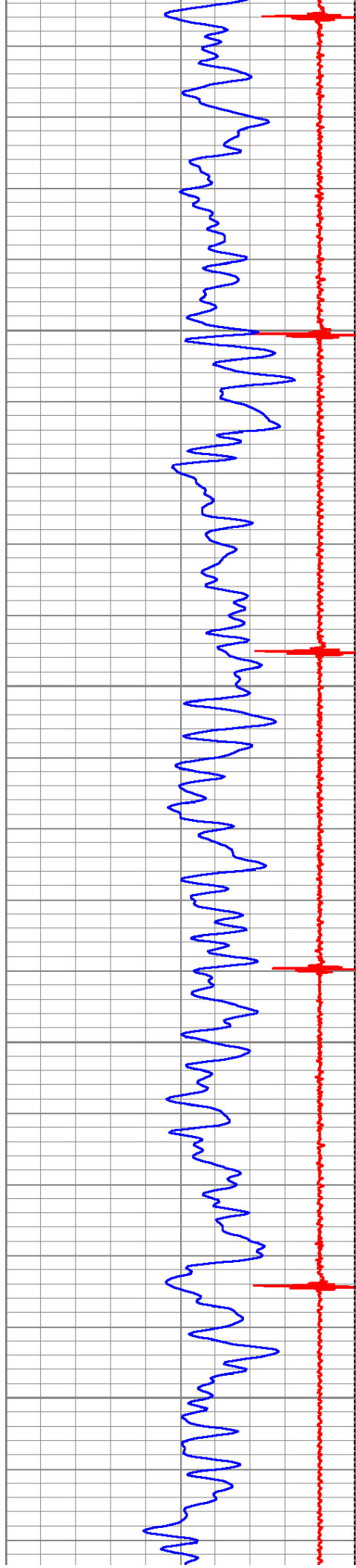
2550

2600

2650





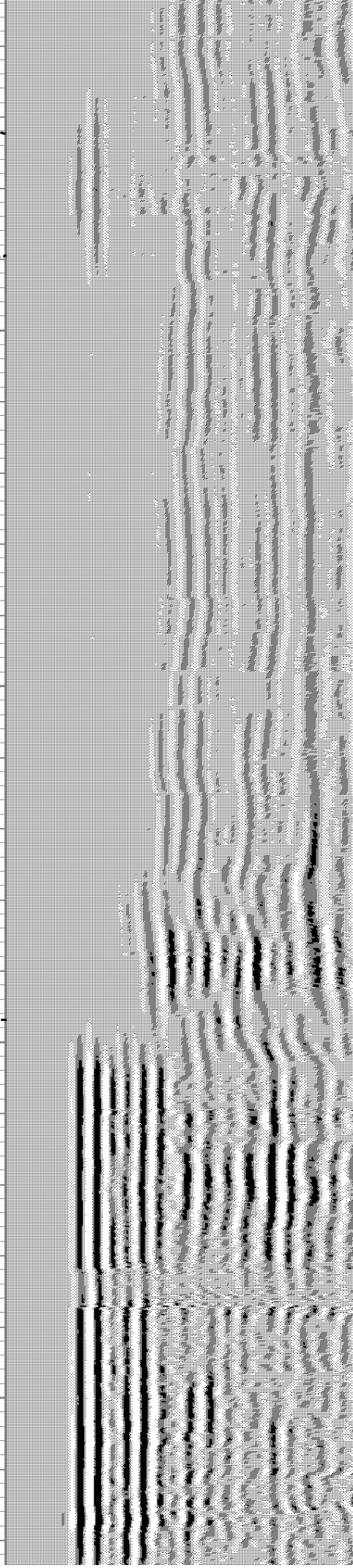
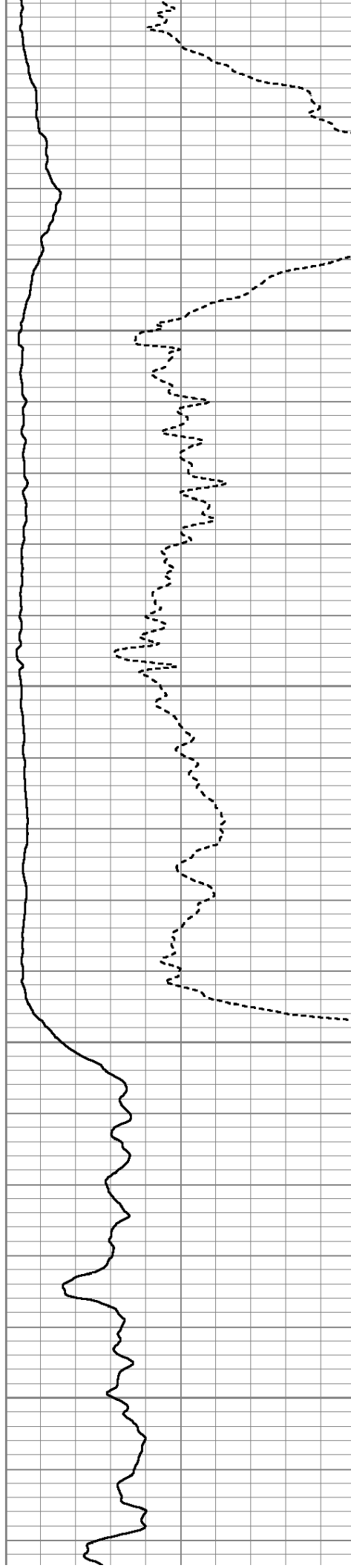


2700

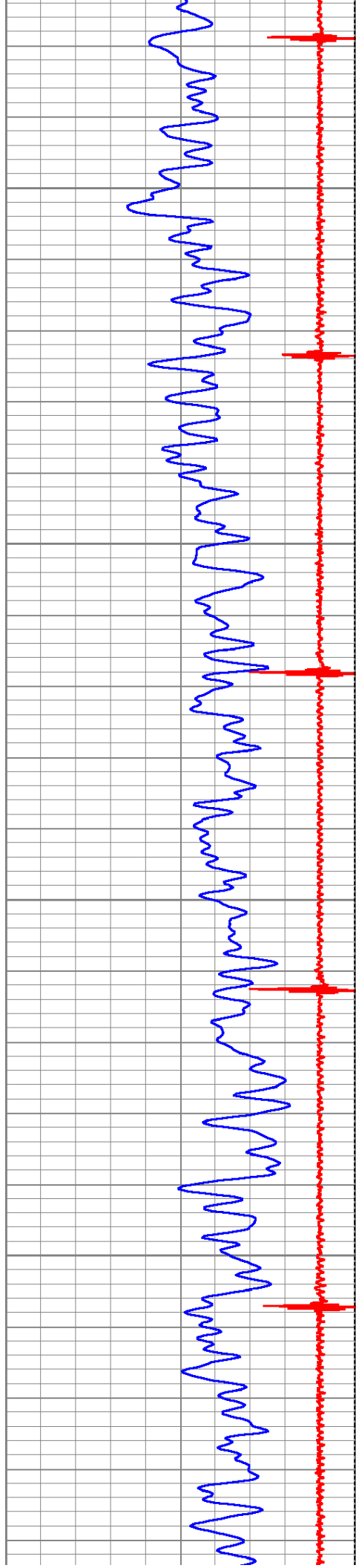
2750

2800

2850





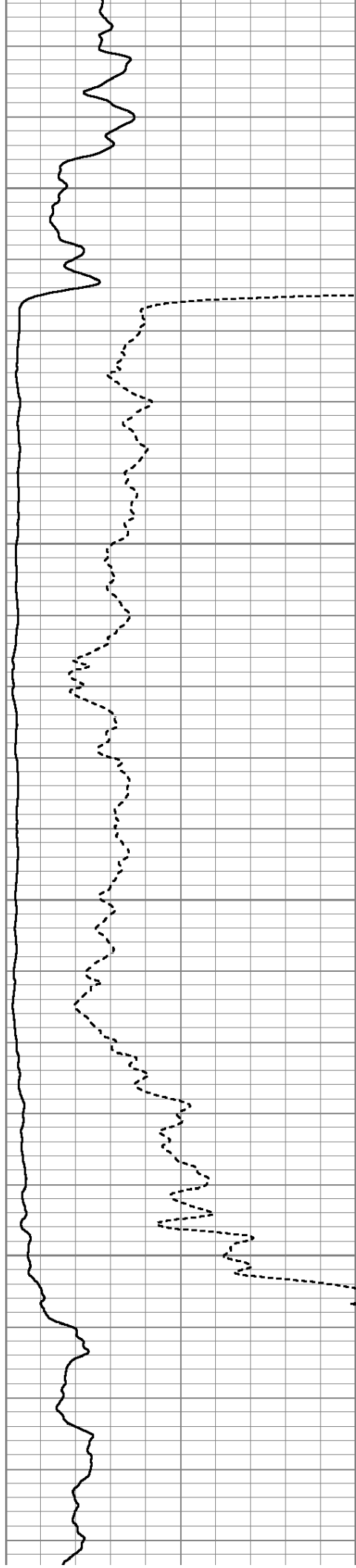


2900

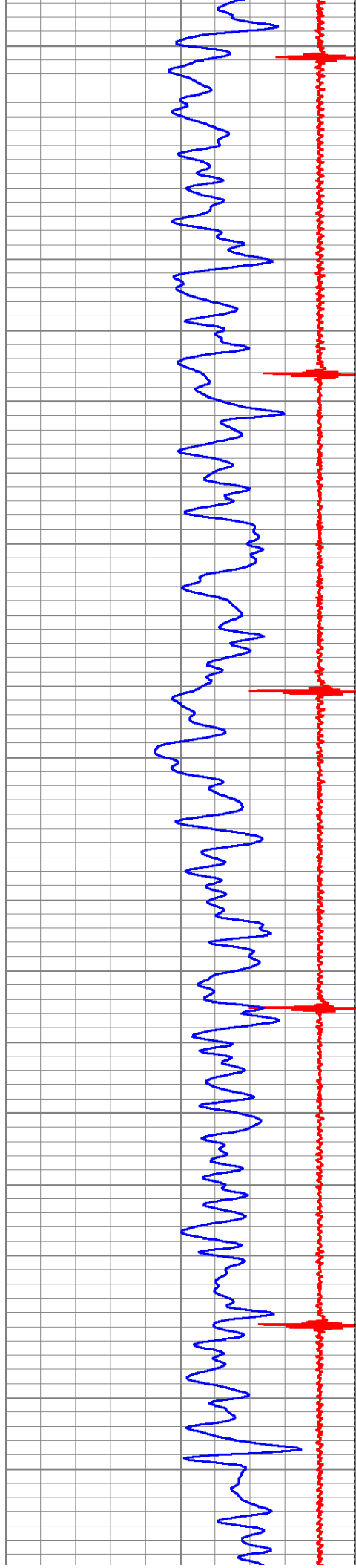
2950

3000

3050







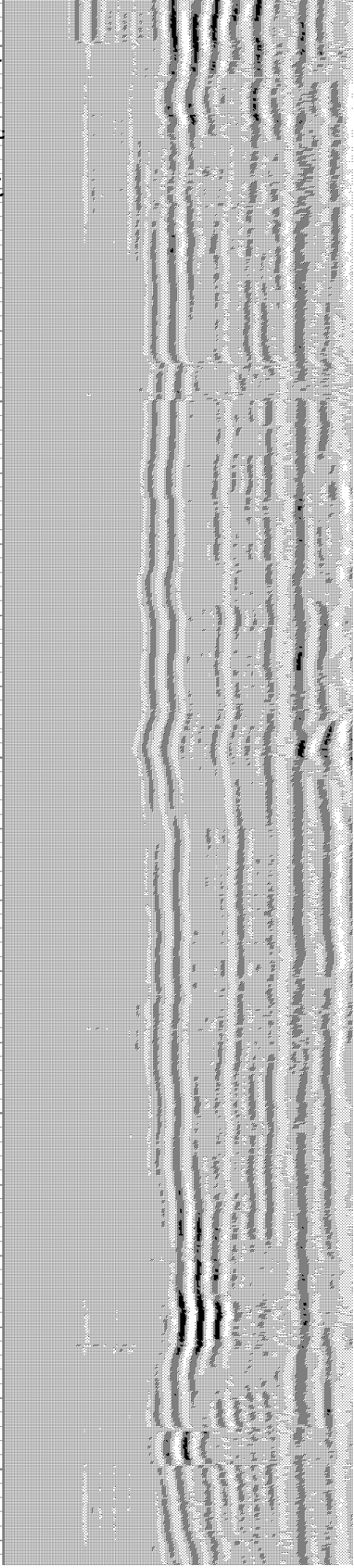
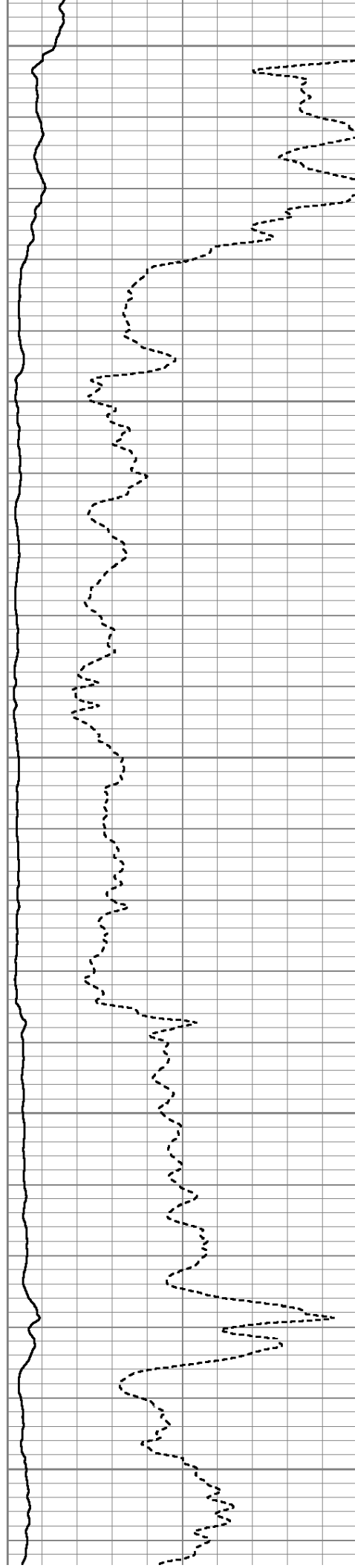
3100

3150

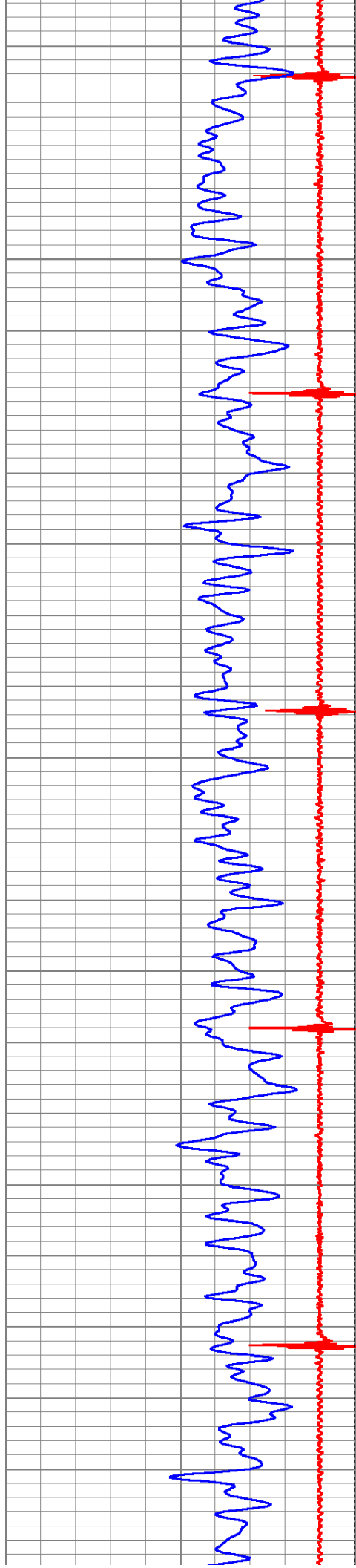
3200

3250

3300





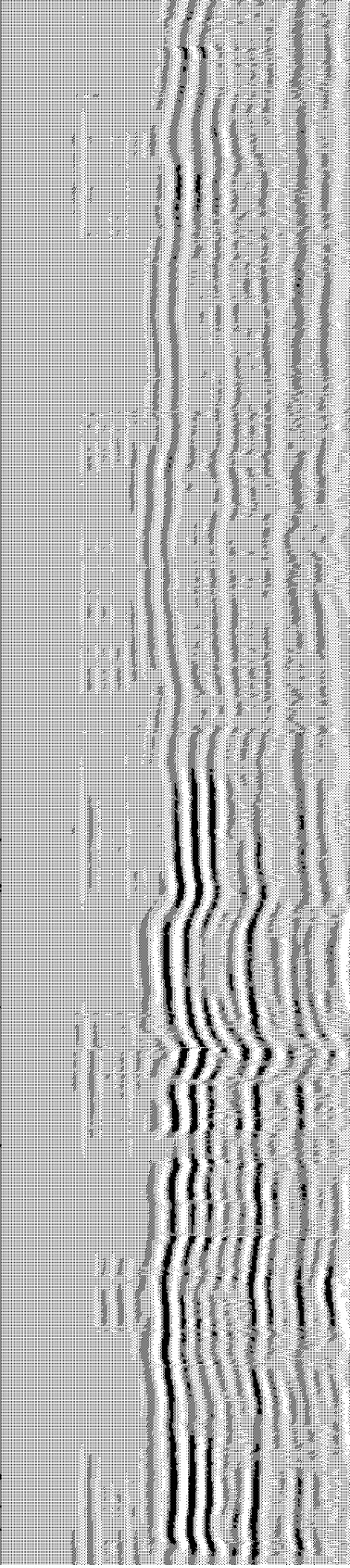
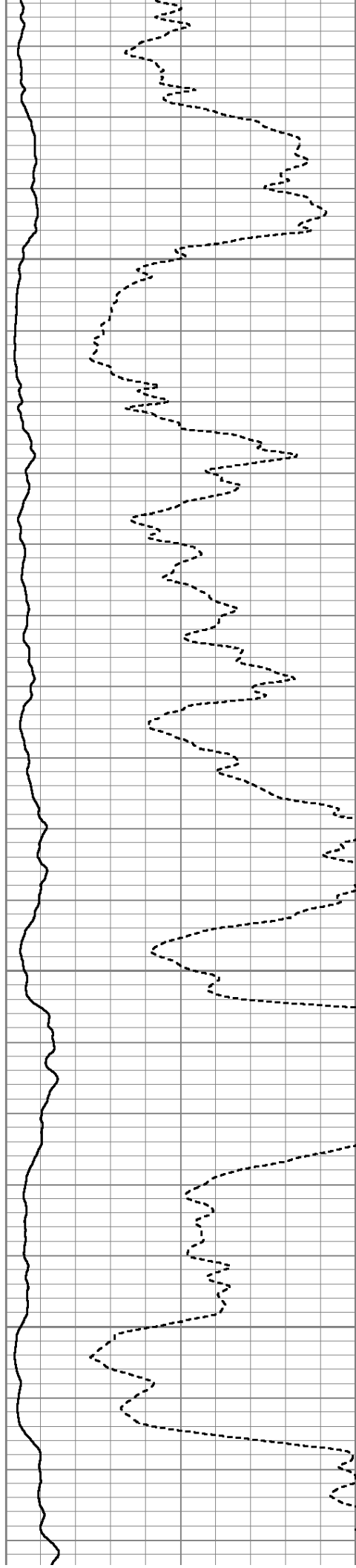


3350

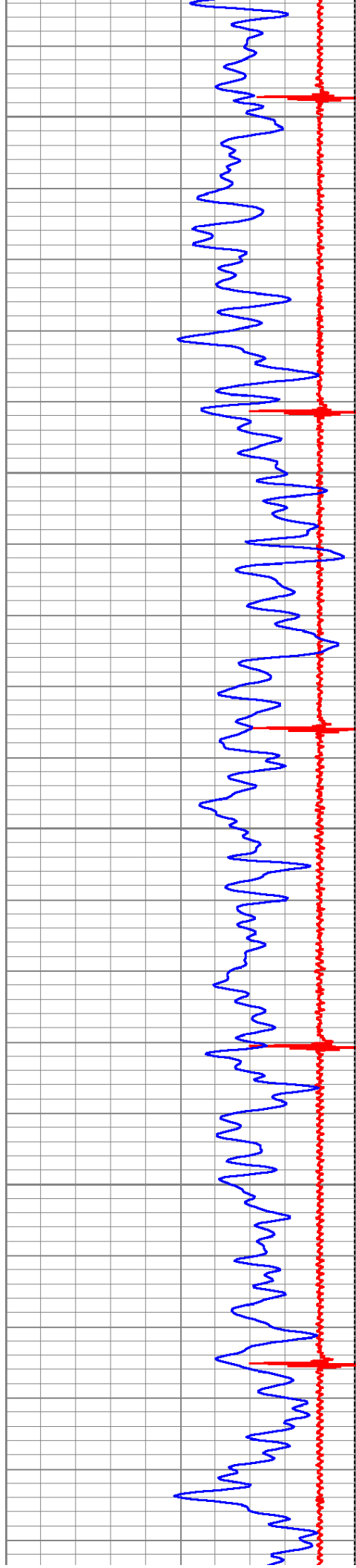
3400

3450

3500







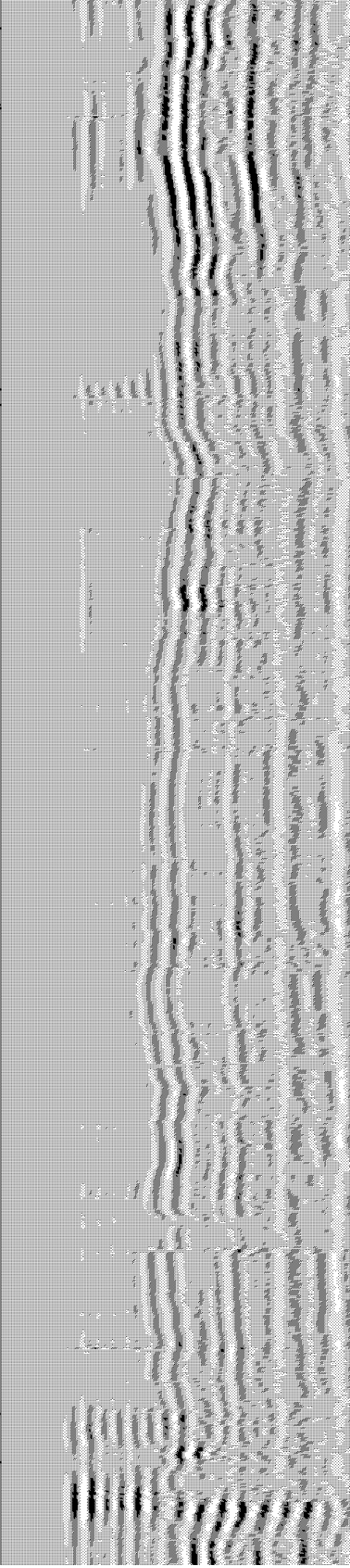
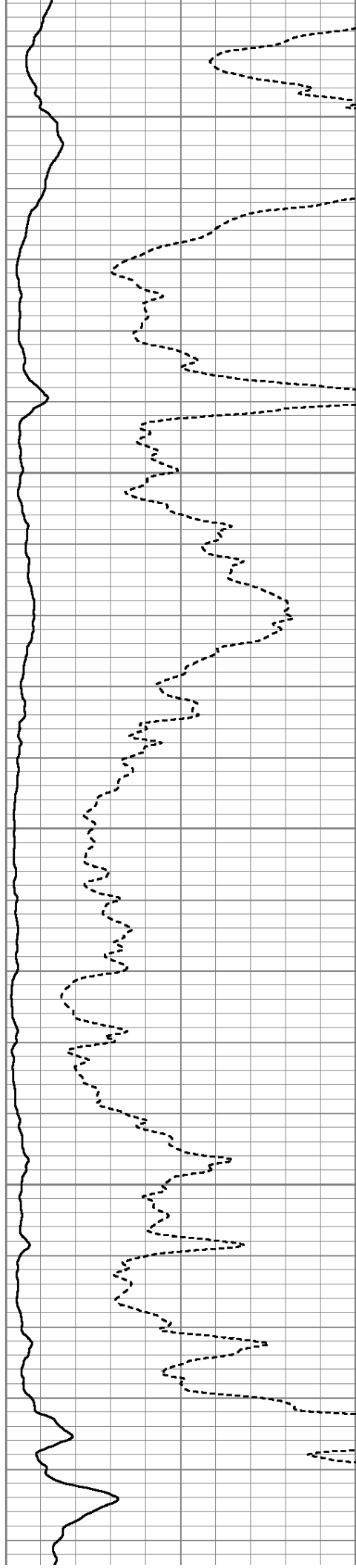
3550

3600

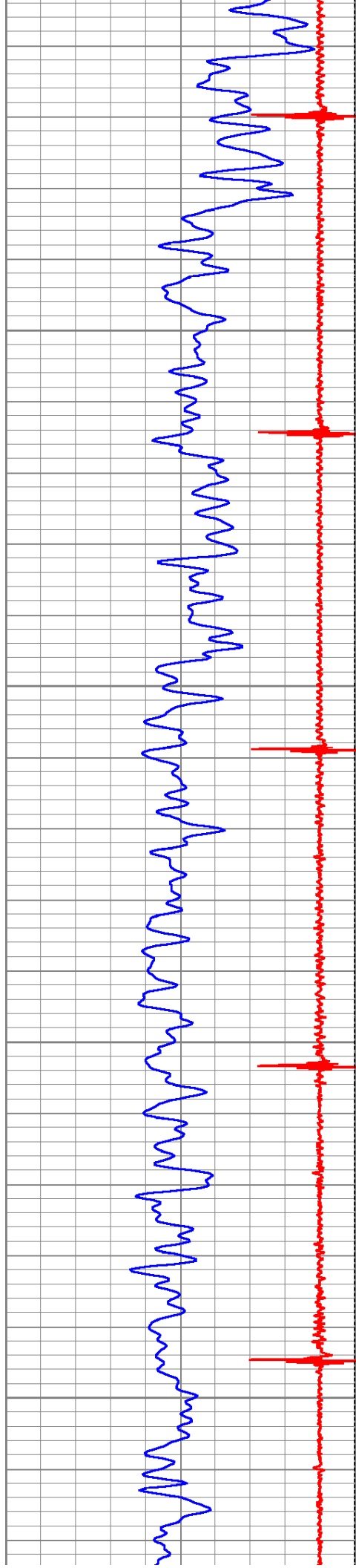
3650

3700

3750





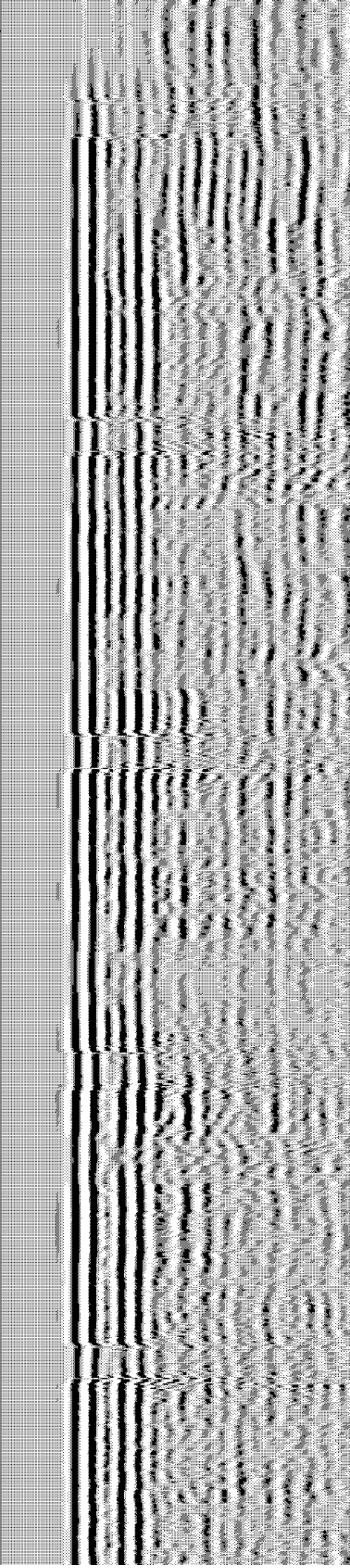
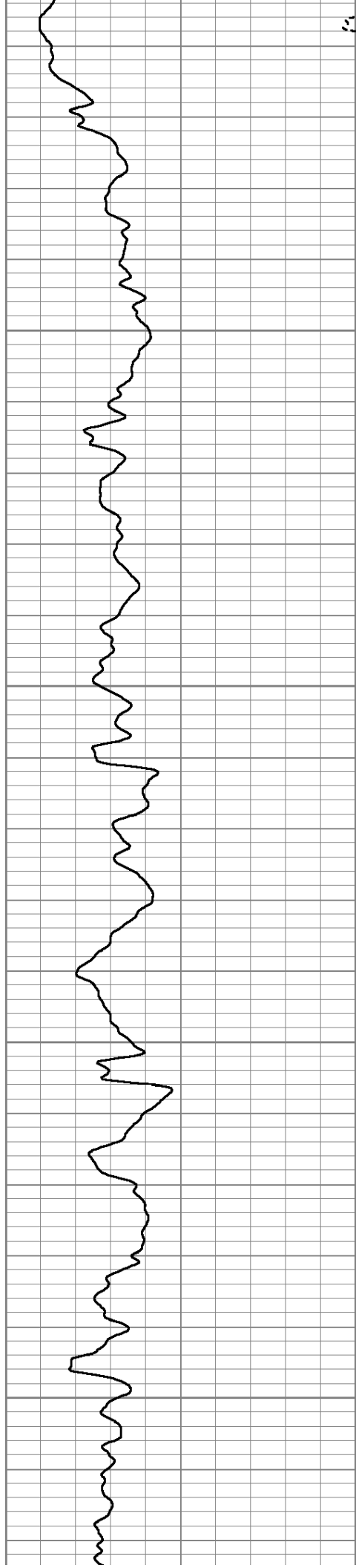


3800

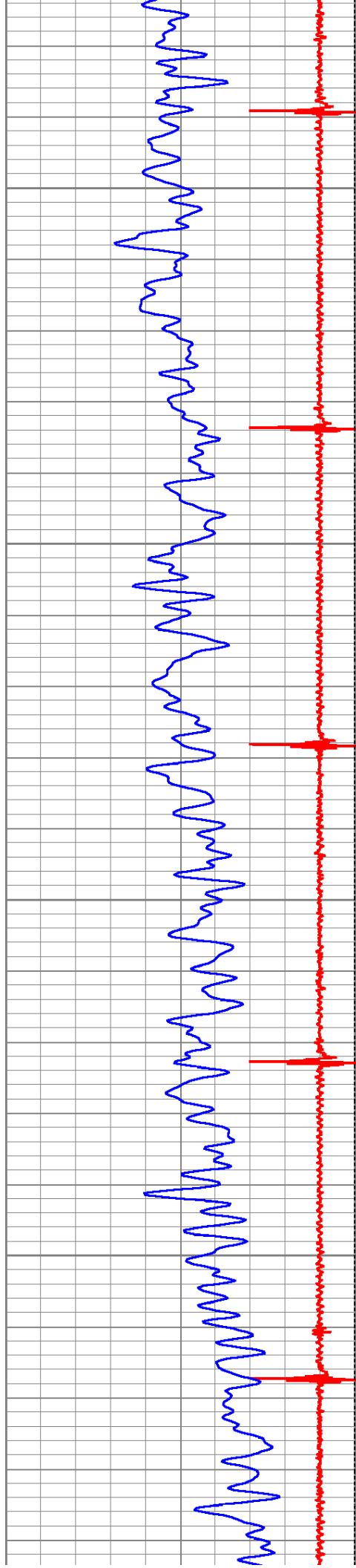
3850

3900

3950





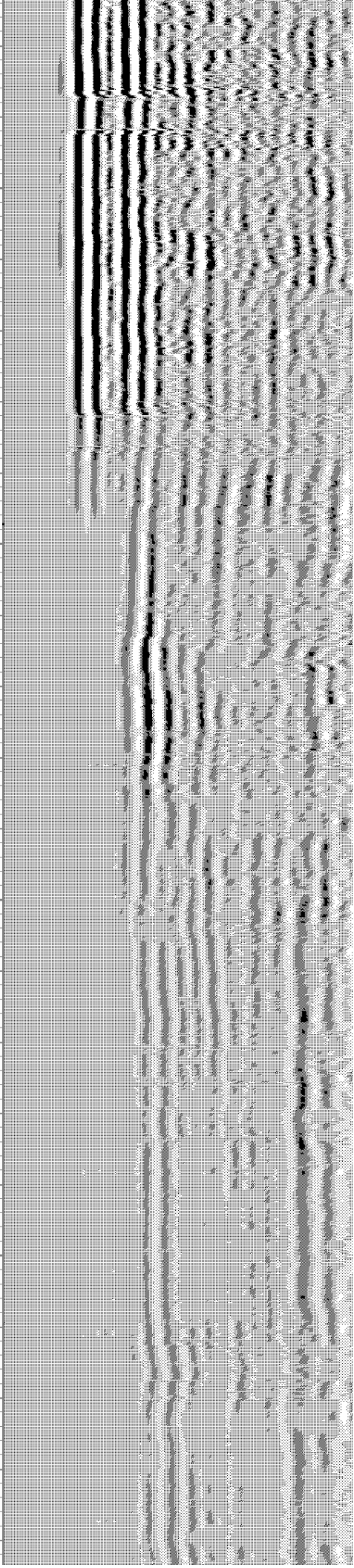
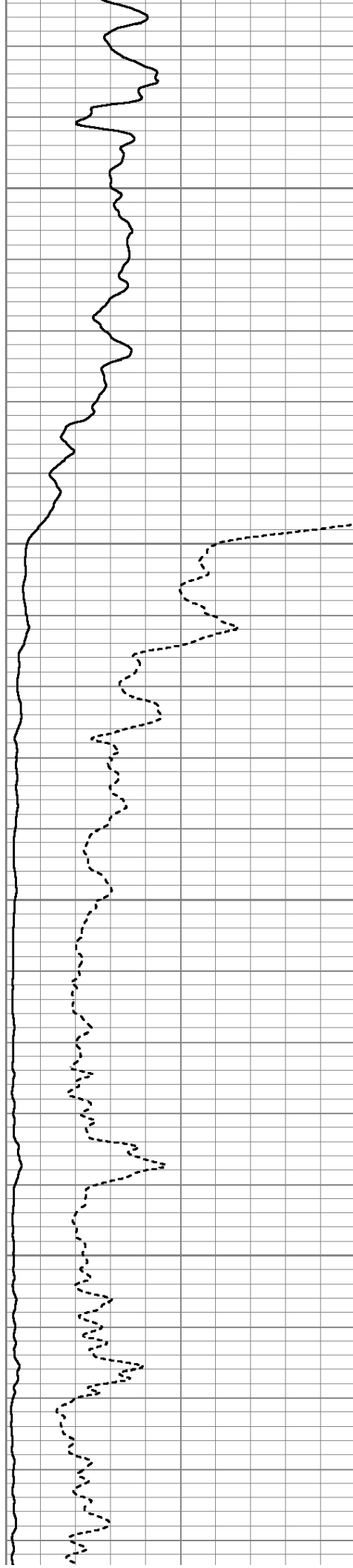


4000

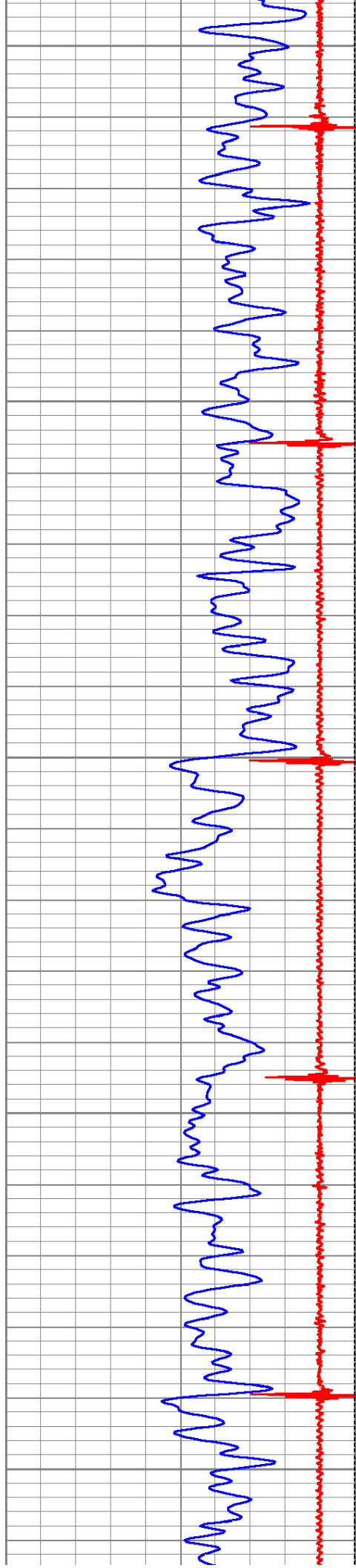
4050

4100

4150







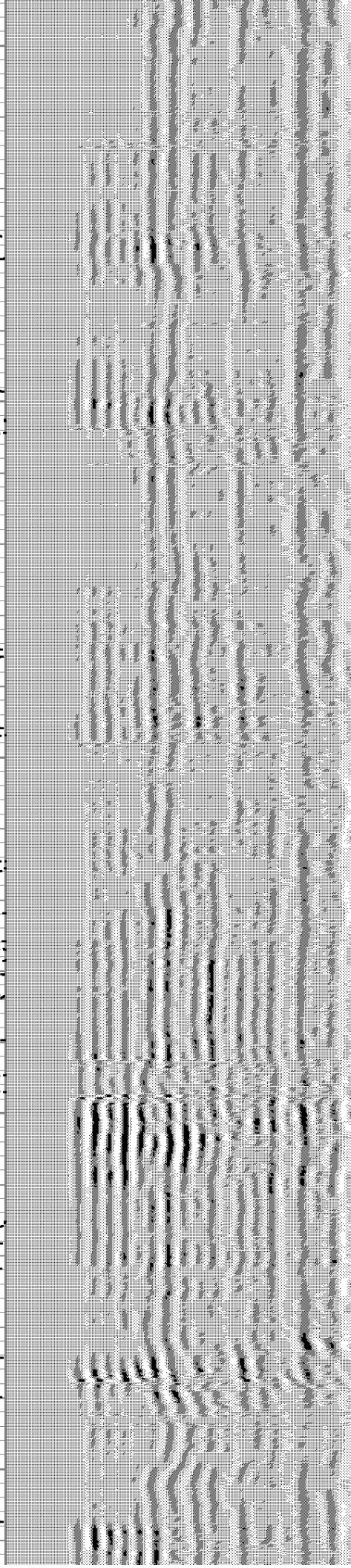
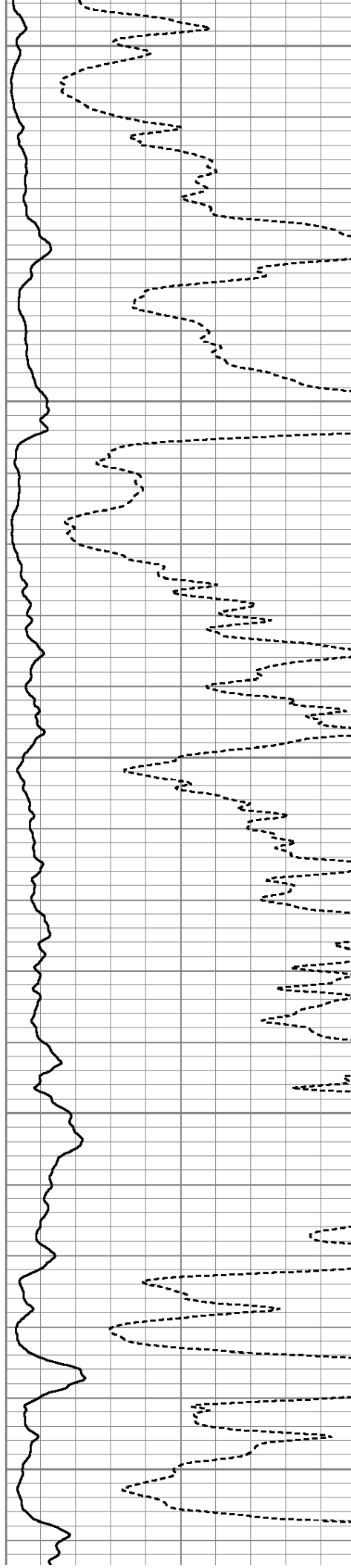
4200

4250

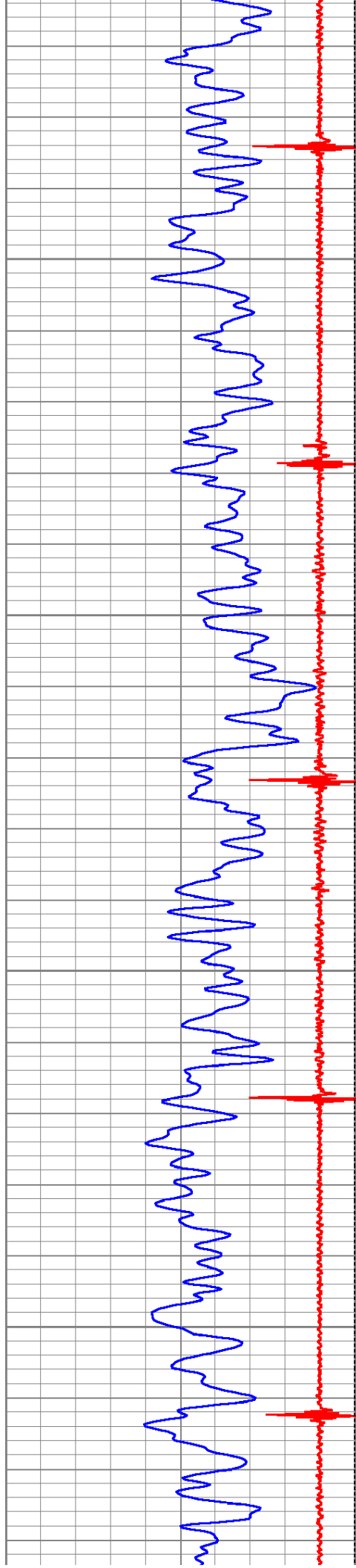
4300

4350

4400





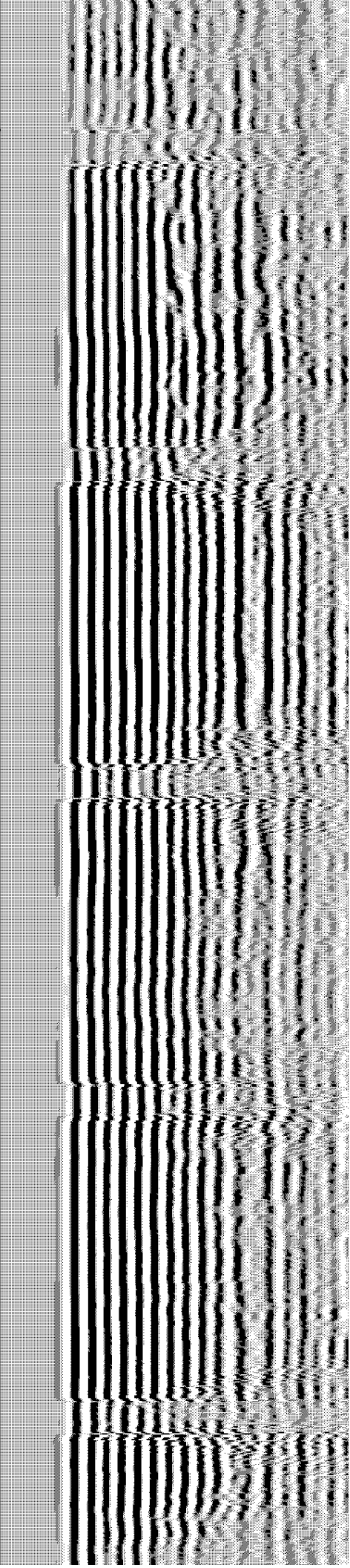
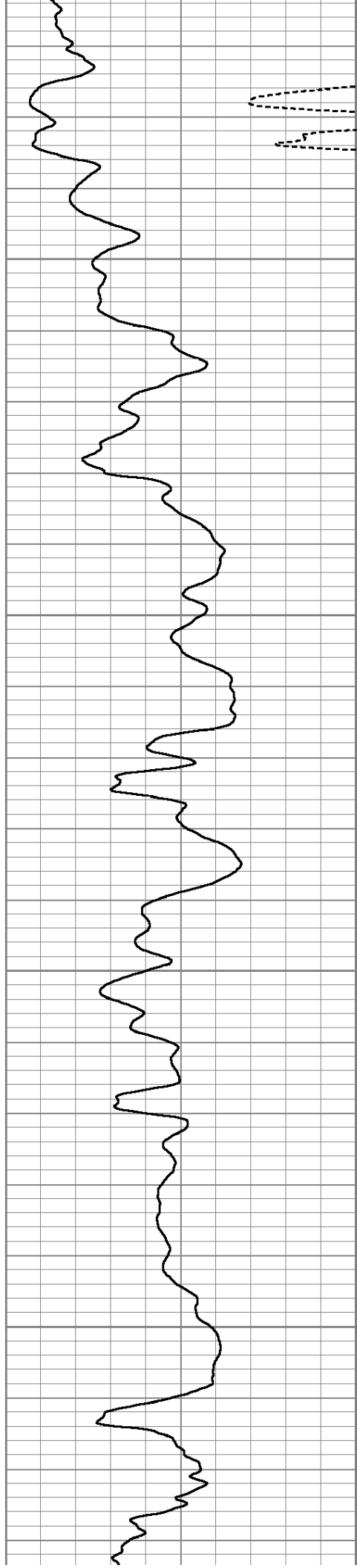


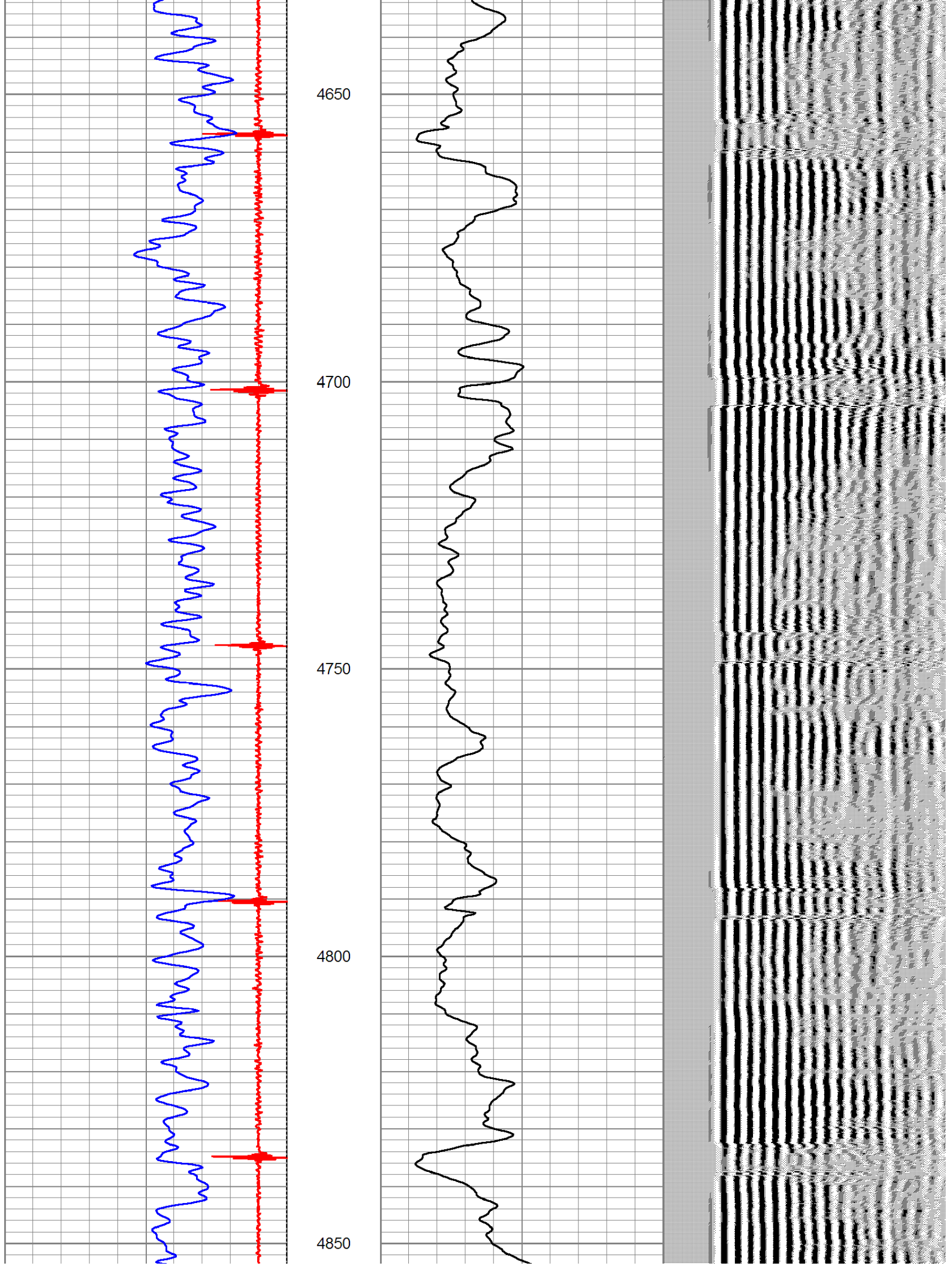
4450

4500

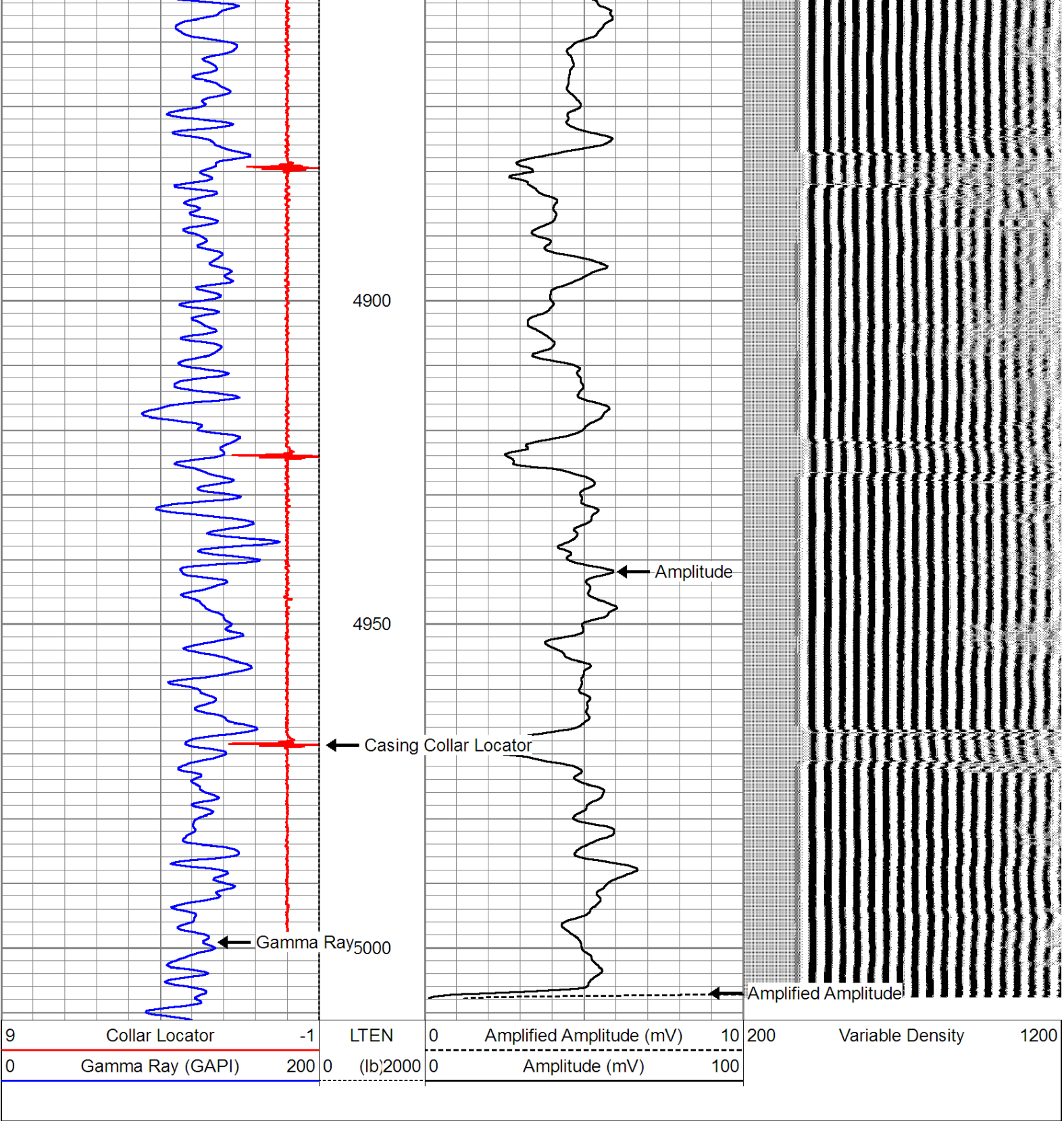
4550

4600

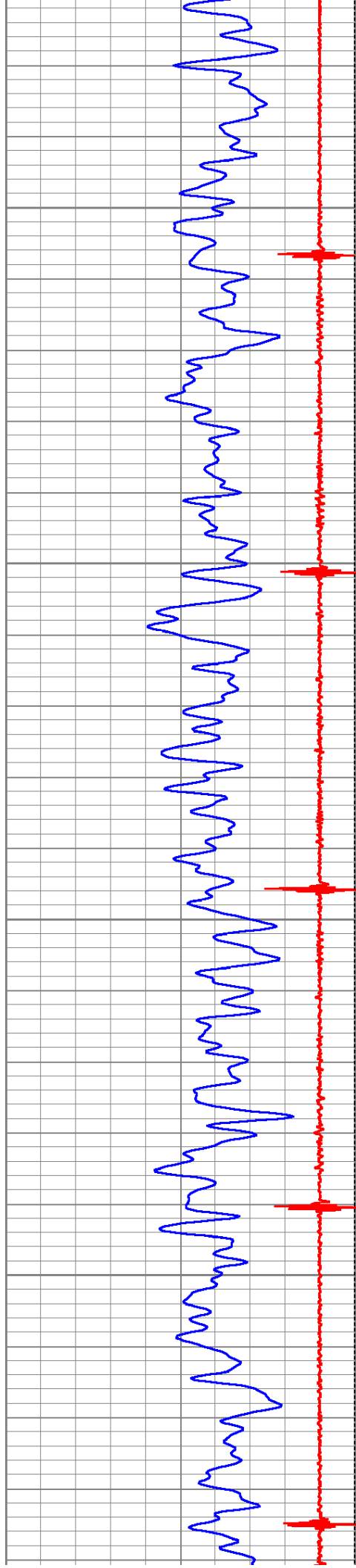








<div>Database File: milne 23-18.db</div> <div>Dataset Pathname: pass2</div> <div>Presentation Format: cbl_dr</div> <div>Dataset Creation: Wed Jan 23 07:25:45 2013 by Log SCH 120126</div> <div>Charted by: Depth in Feet scaled 1:240</div>									
9	Collar Locator	-1	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb)2000	0	Amplitude (mV)	100		

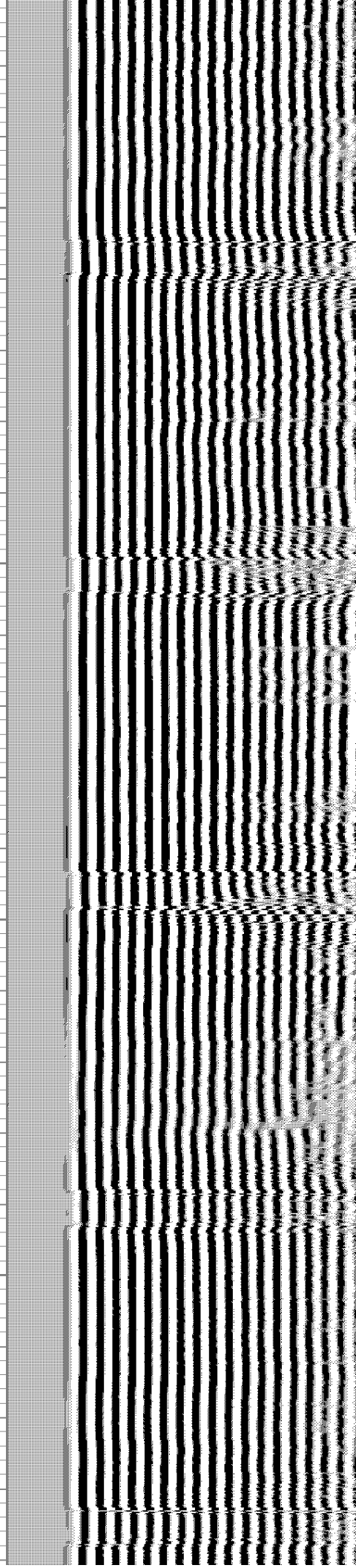
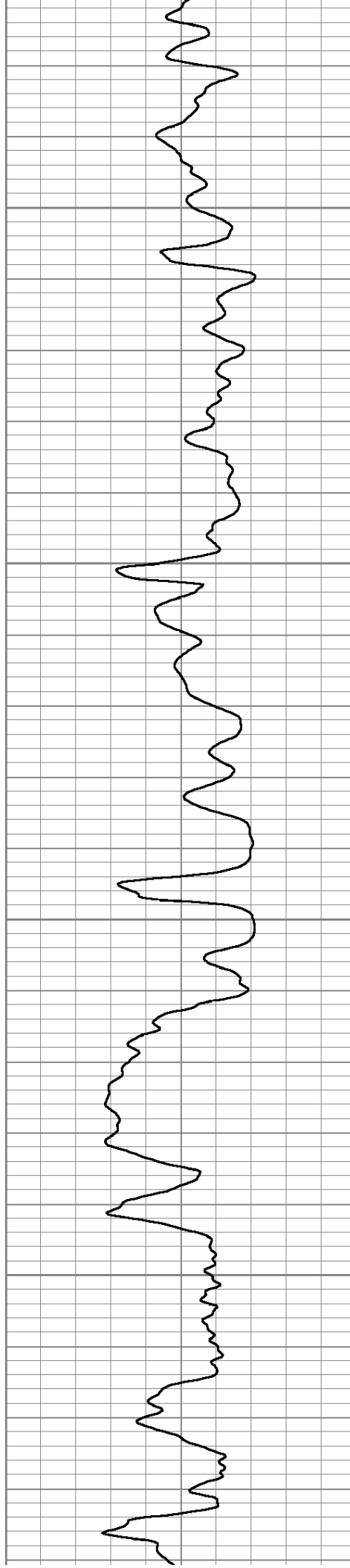


5000

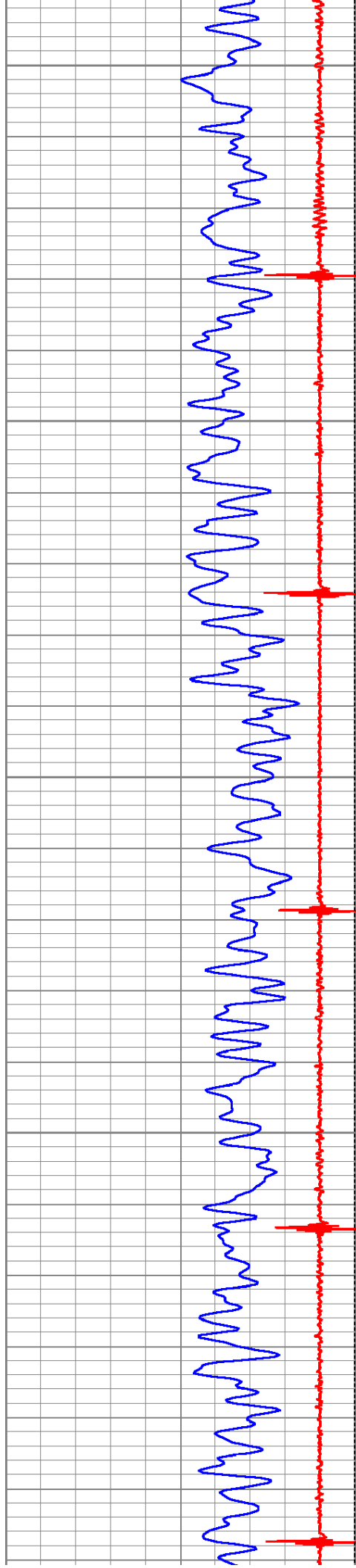
5050

5100

5150







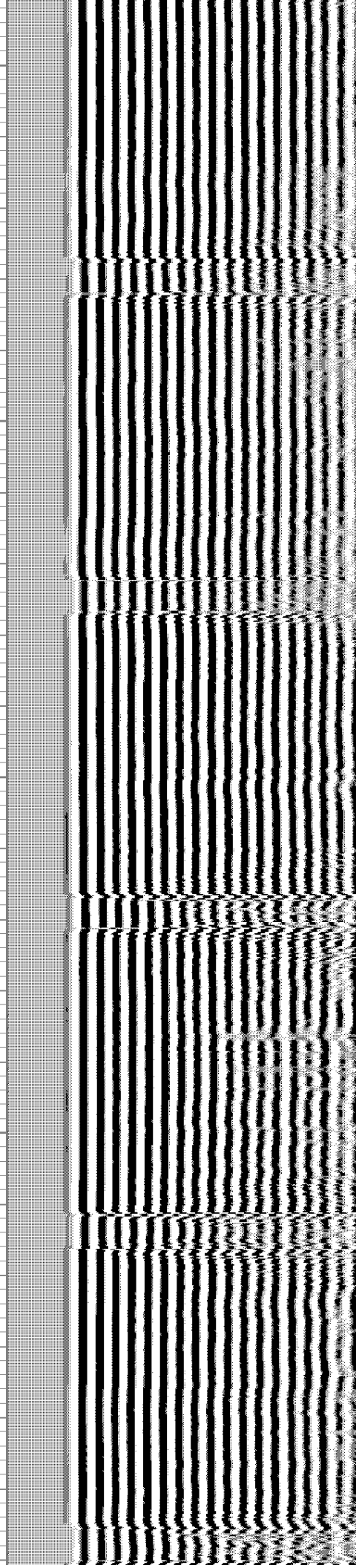
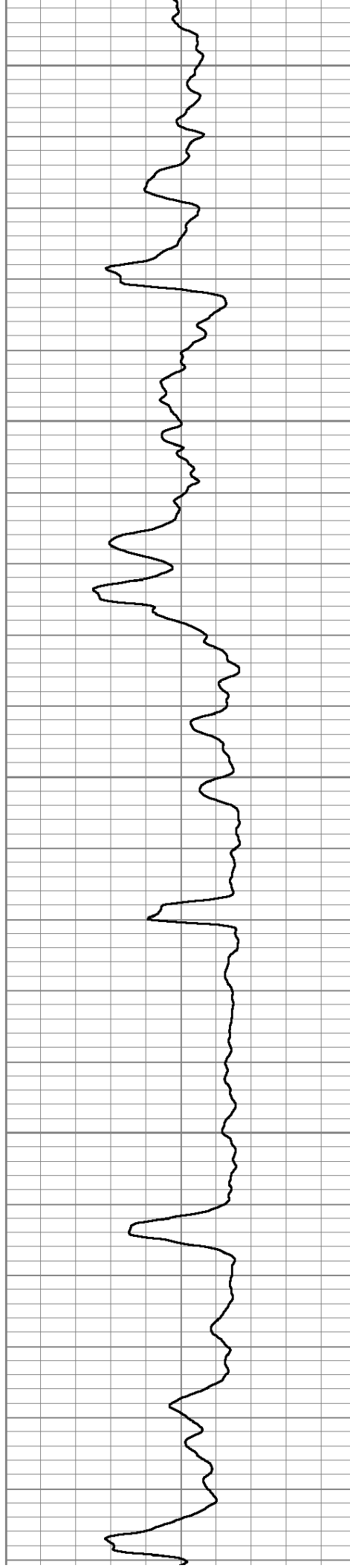
5200

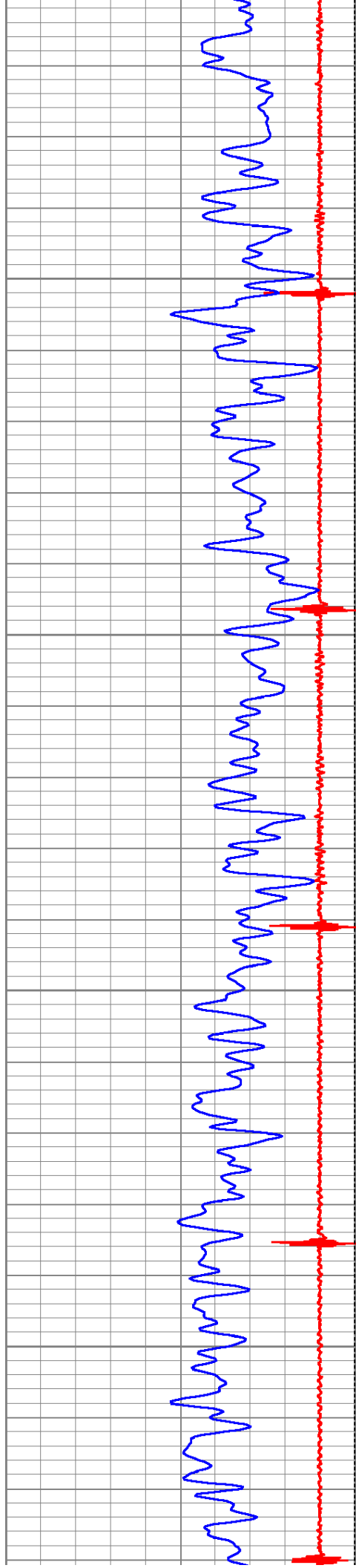
5250

5300

5350

5400



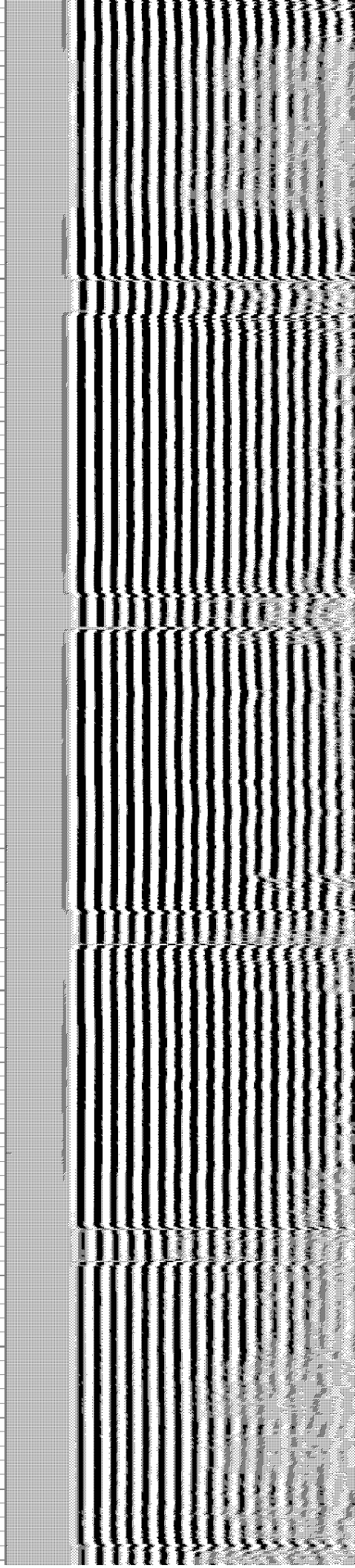
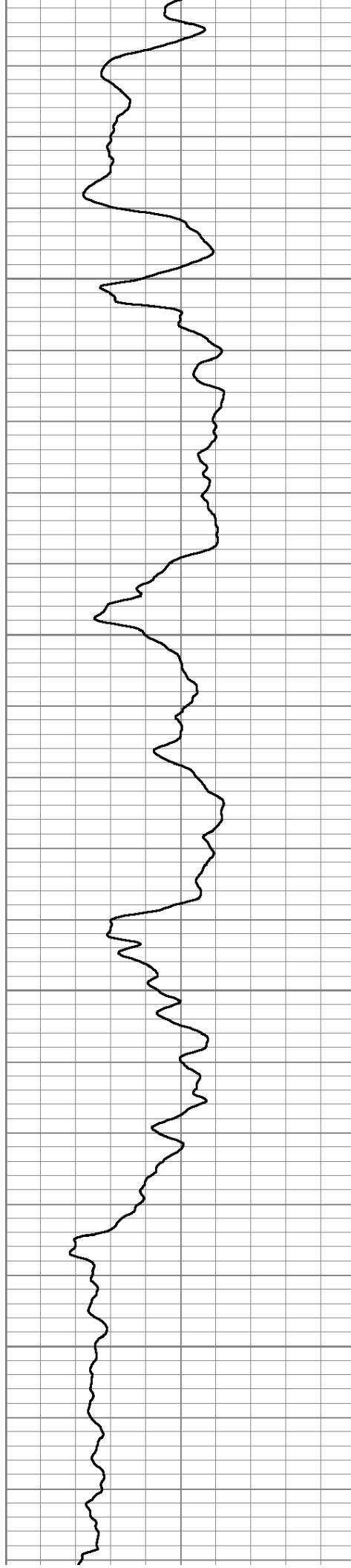


5450

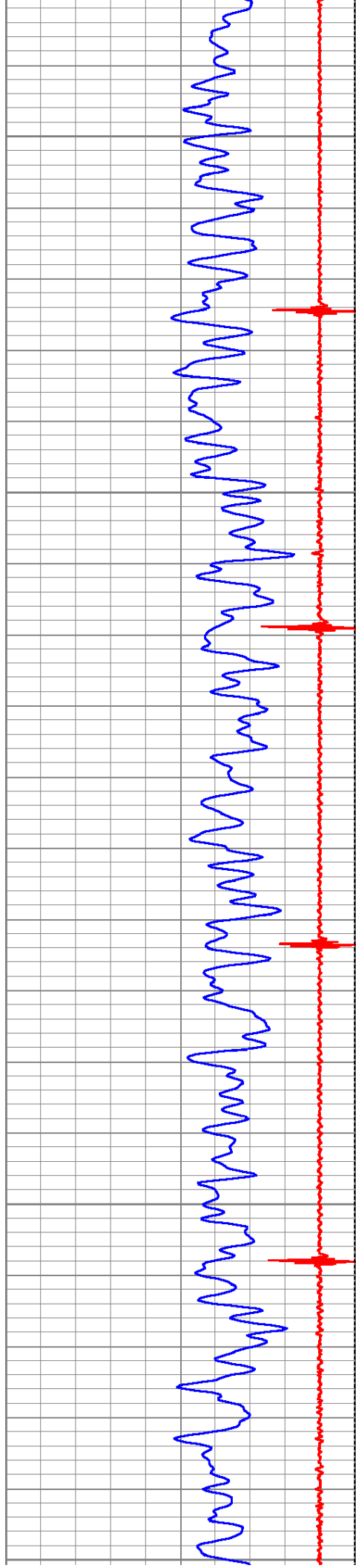
5500

5550

5600







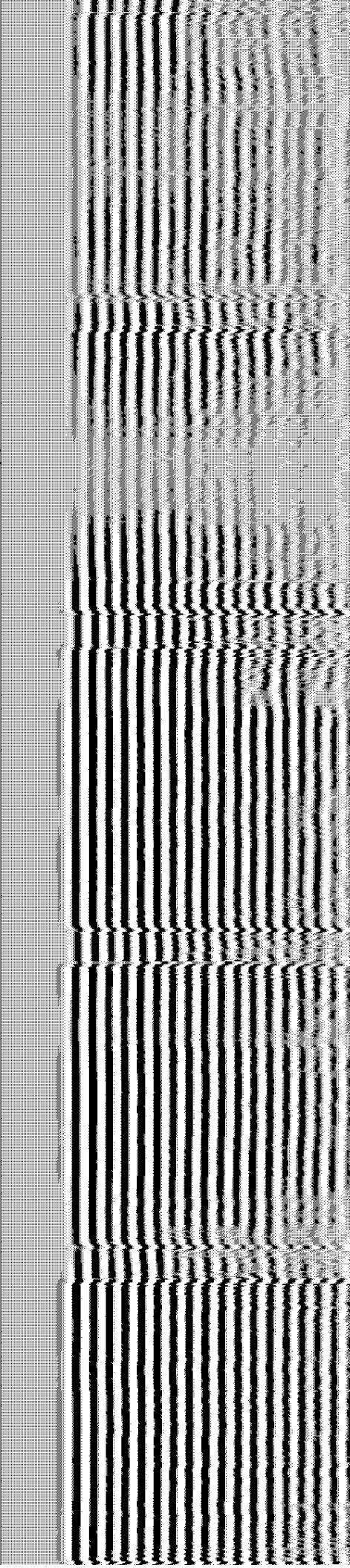
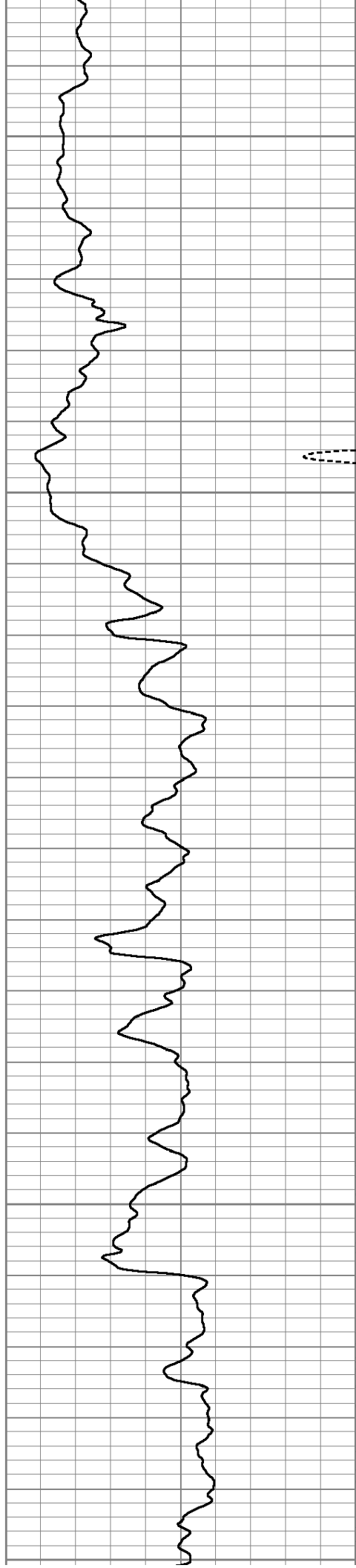
5650

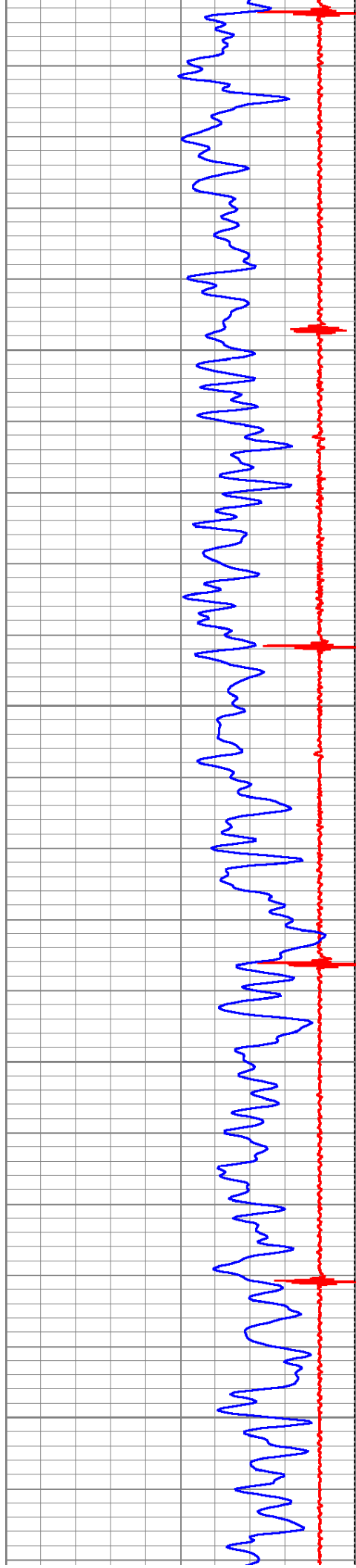
5700

5750

5800

5850



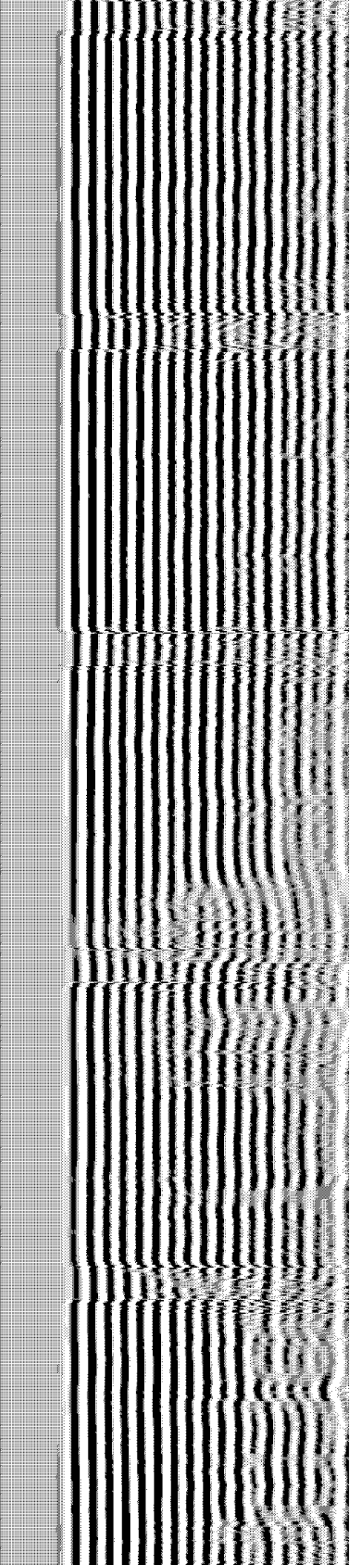
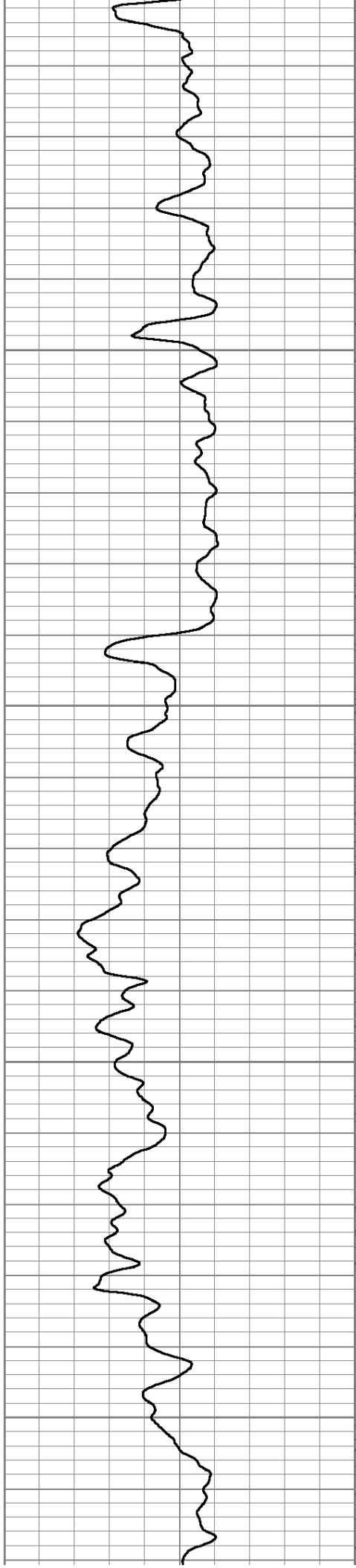


5900

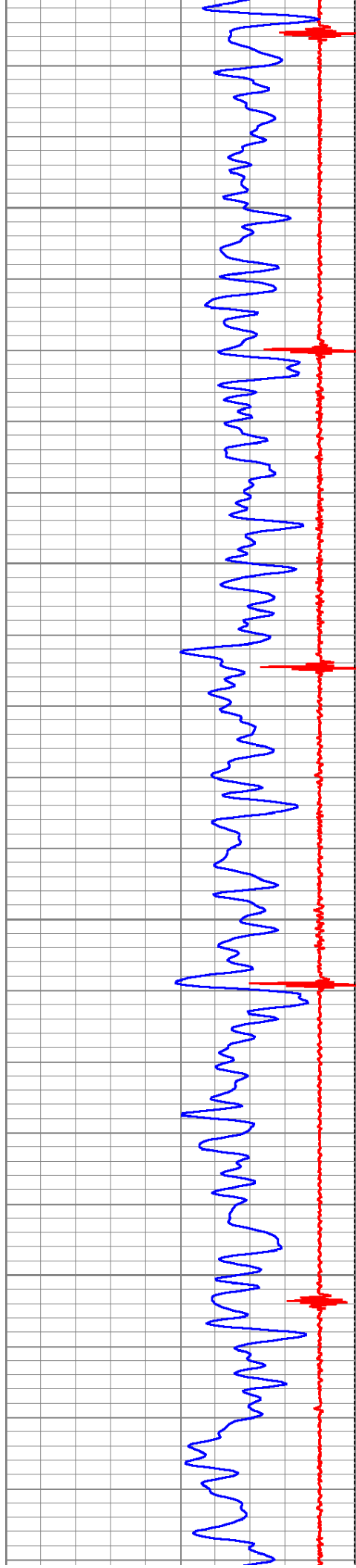
5950

6000

6050





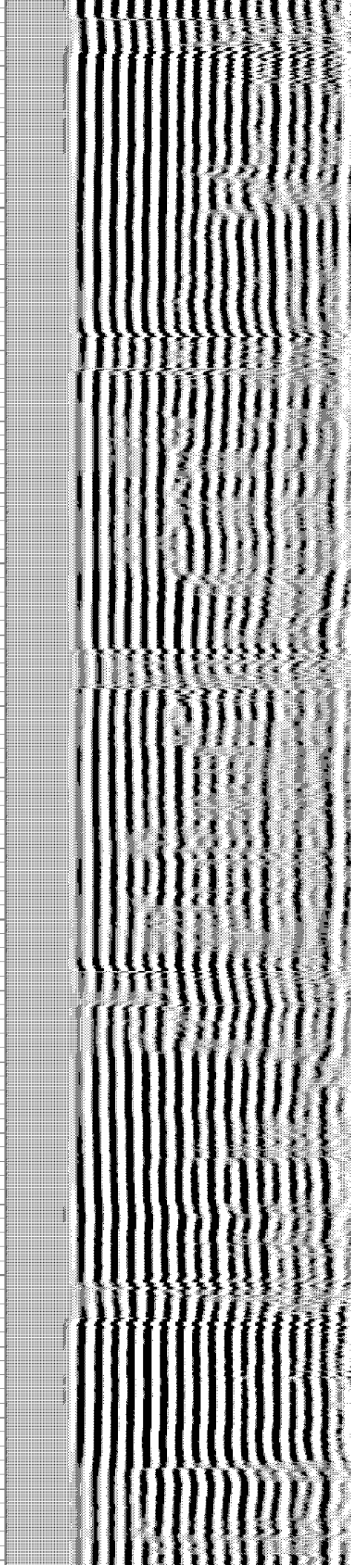
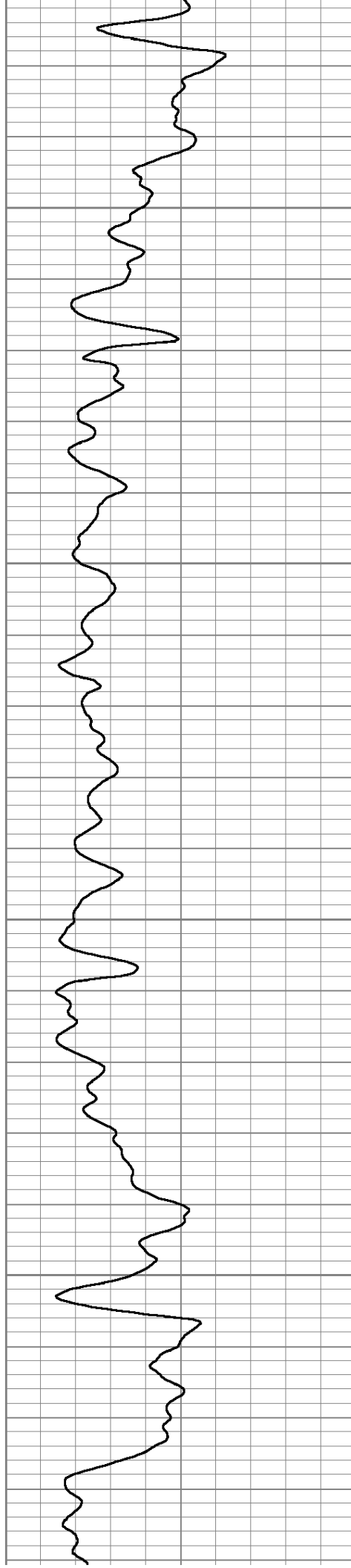


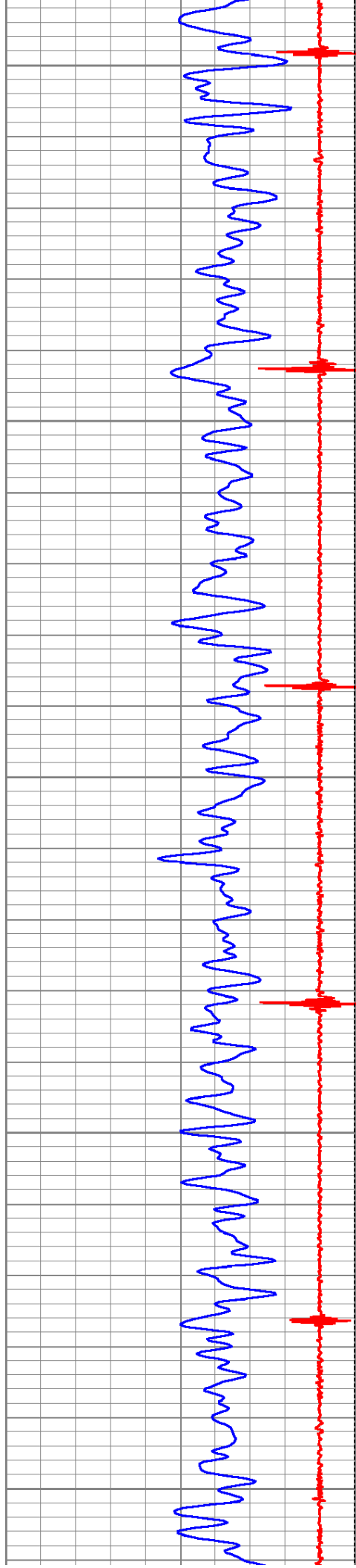
6100

6150

6200

6250





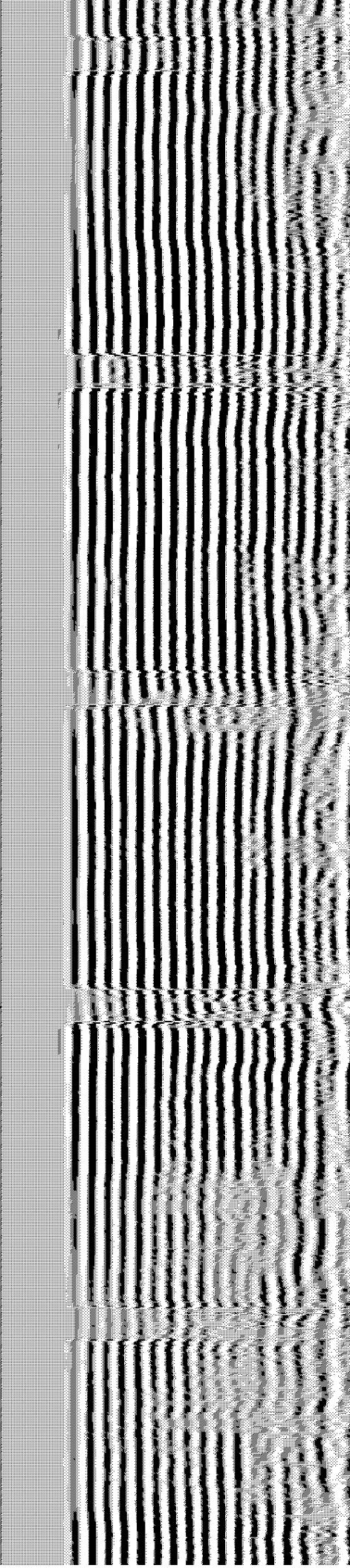
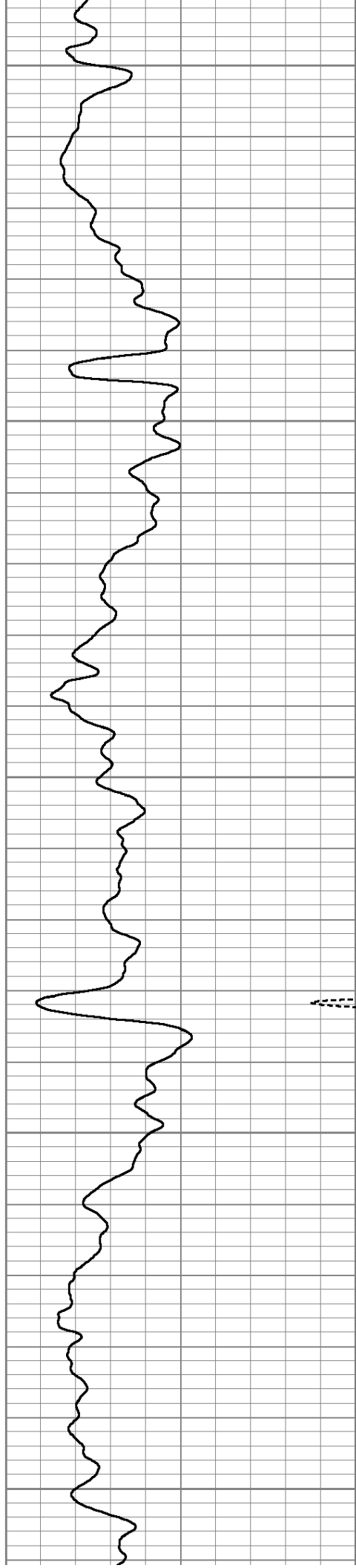
6300

6350

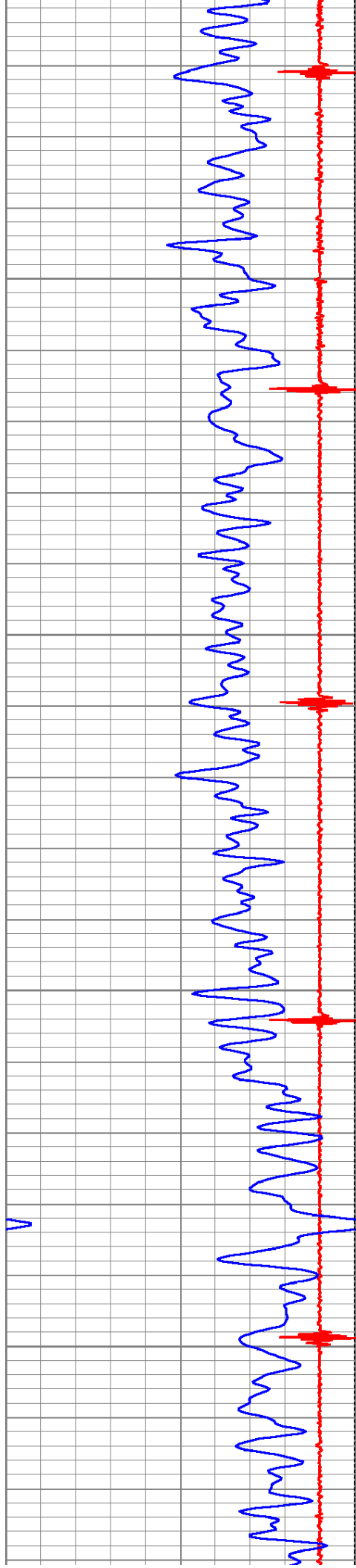
6400

6450

6500





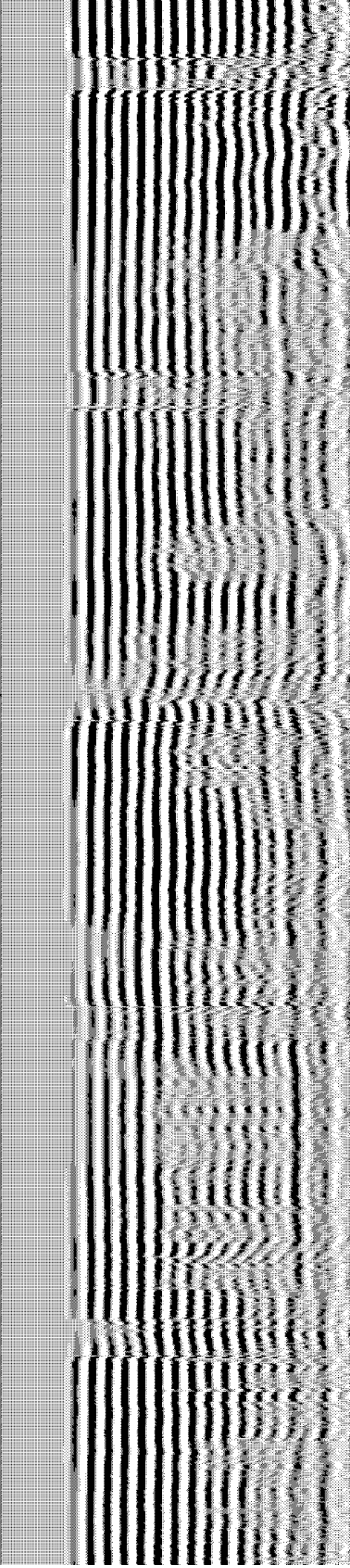
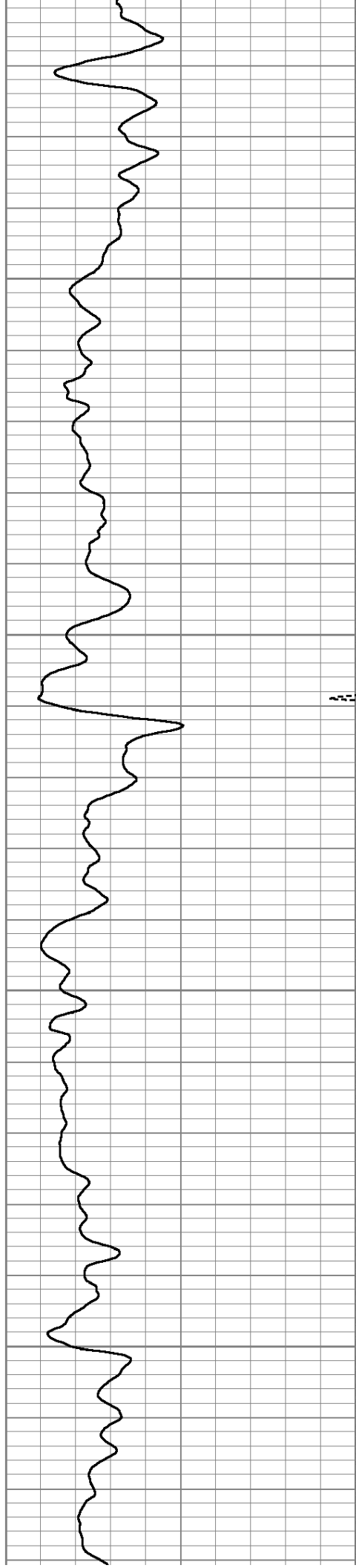


6550

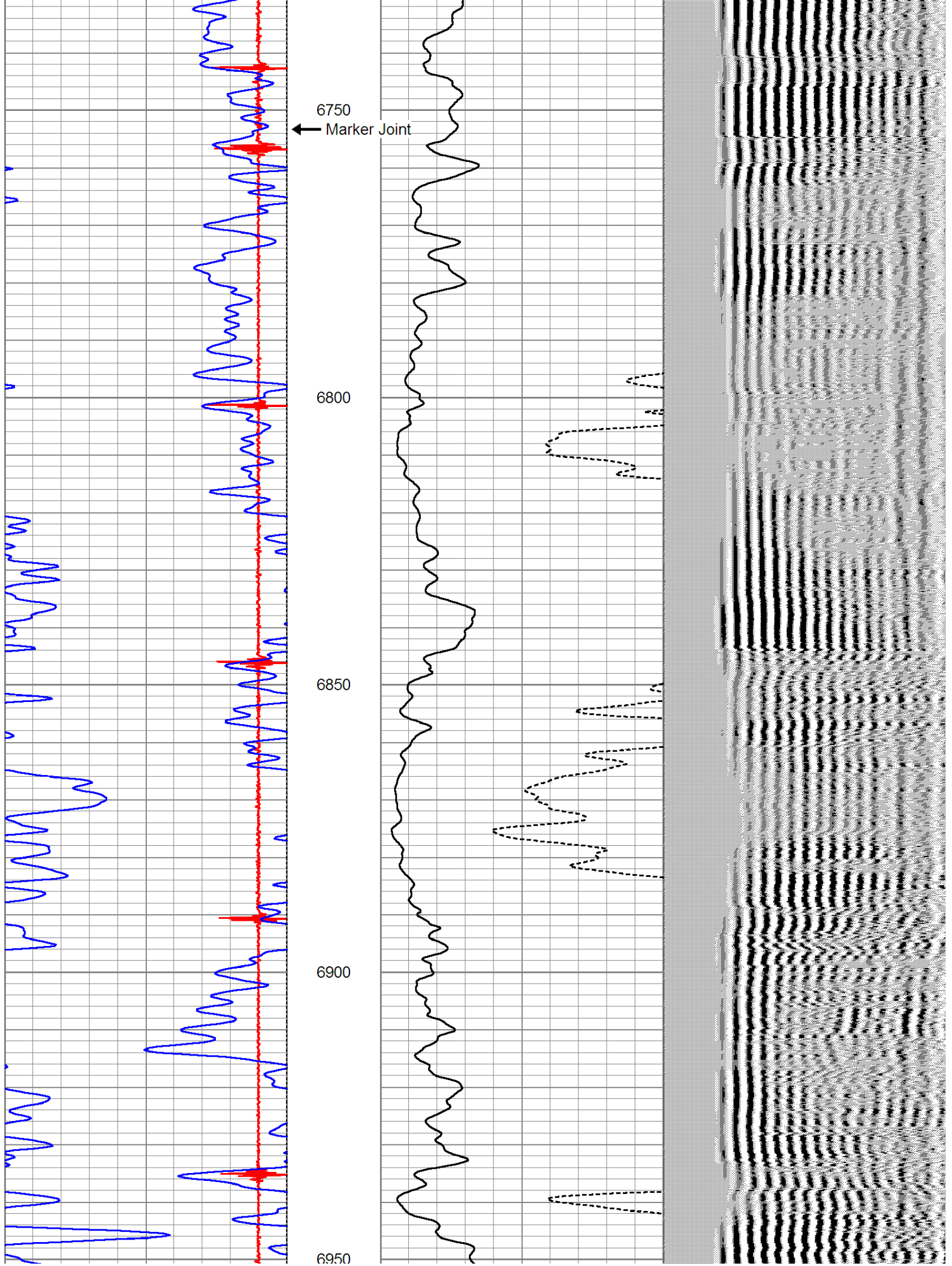
6600

6650

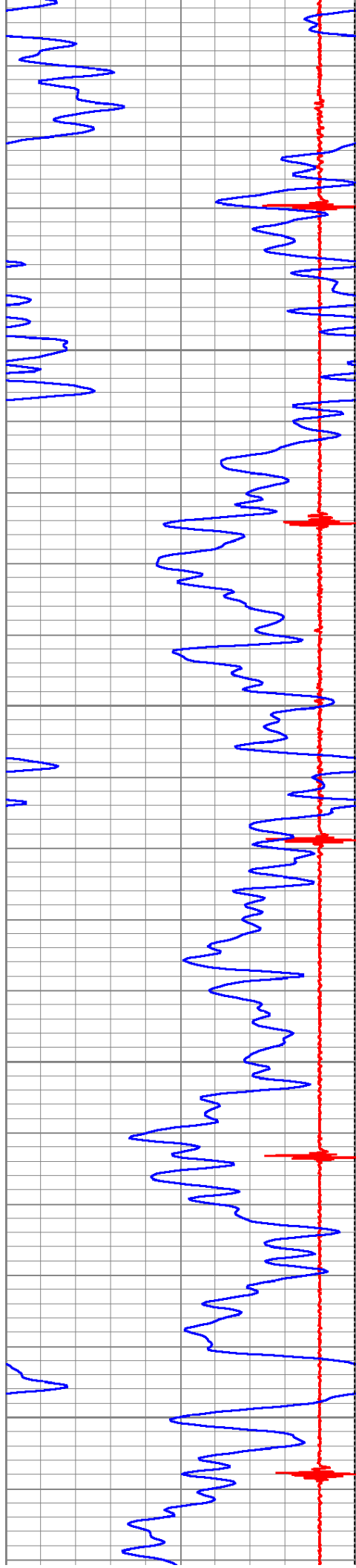
6700











7000

7050

7100

7150

