

**BAKER
HUGHES**

**RADIAL ANALYSIS
BOND LOG**

Baker Atlas

File No.: CH077802	Company	WPX ENERGY
API No: 06045218620000	Well	FEDERAL PA 21-27
	Field	PARACHUTE
	County	GARFIELD
	State	COLORADO
27 6S 95W DOE 1-4W-27 PAD NABORS 673	Location	Other Services
	SHL: 2083' FNL X 1305' FWL BHL: 173' FNL X 1988' FWL (NIENW)	RFM
	SEC 27 TWP 6S RGE 95W	
Permanent Datum	GL	Elevation 5840 ft
Log Measured From	KB	5866 ft
Drill Measured From	KELLY BUSHING	DF
		GL 5840 ft

Date	28/SEP/13
Run	ONE
Service Order	US624424
Depth Driller	87'85 ft
Depth Logger	87'67 ft
Bottom Logged Interval	87'47 ft
Top Logged Interval	26 ft
Time Started	1000
Time Finished	1330
Operator Rig Time	3.5 HRS
Type of Fluid in Hole	WATER
Fluid Density	NA
Salinity	NA
Fluid Level	72 ft
Logged Cement Top	NA
Wellhead Pressure	0 psi
Maximum Hole Deviation	NA
Nominal Logging Speed	65 fpm
Maximum Recorded Temperature	242 degF
Reference Log	NONE
Reference Log Date	NA
Equipment No.	4221
Location	GRAND JCT
Recorded By	FLOYD BEVIEAU
Witnessed By	GRAN JACOBS

- FOLD HERE

In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Borehole Record		
Bit Size	From	To
13.5 in	0 ft	2883 ft
8.75 in	2883 ft	8785 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 in			0 ft	2883 ft
4.5 in	11.6 lbm/ft	I-80	0 ft	8785 ft

Remarks
All data on this log is shifted using the GCL curve to put the wellhead (top GCL mark) on depth with ground level elevation at the client's request.
The amount of linear shift is 4 feet.
Logged with zero PSI at wellhead.
BHT = 242 °F
SJ = 5552'- 5577'

Equipment Data

Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VCL	1426XA	10218495	CENT
1	1	GR	1355XA	10580209	CENT

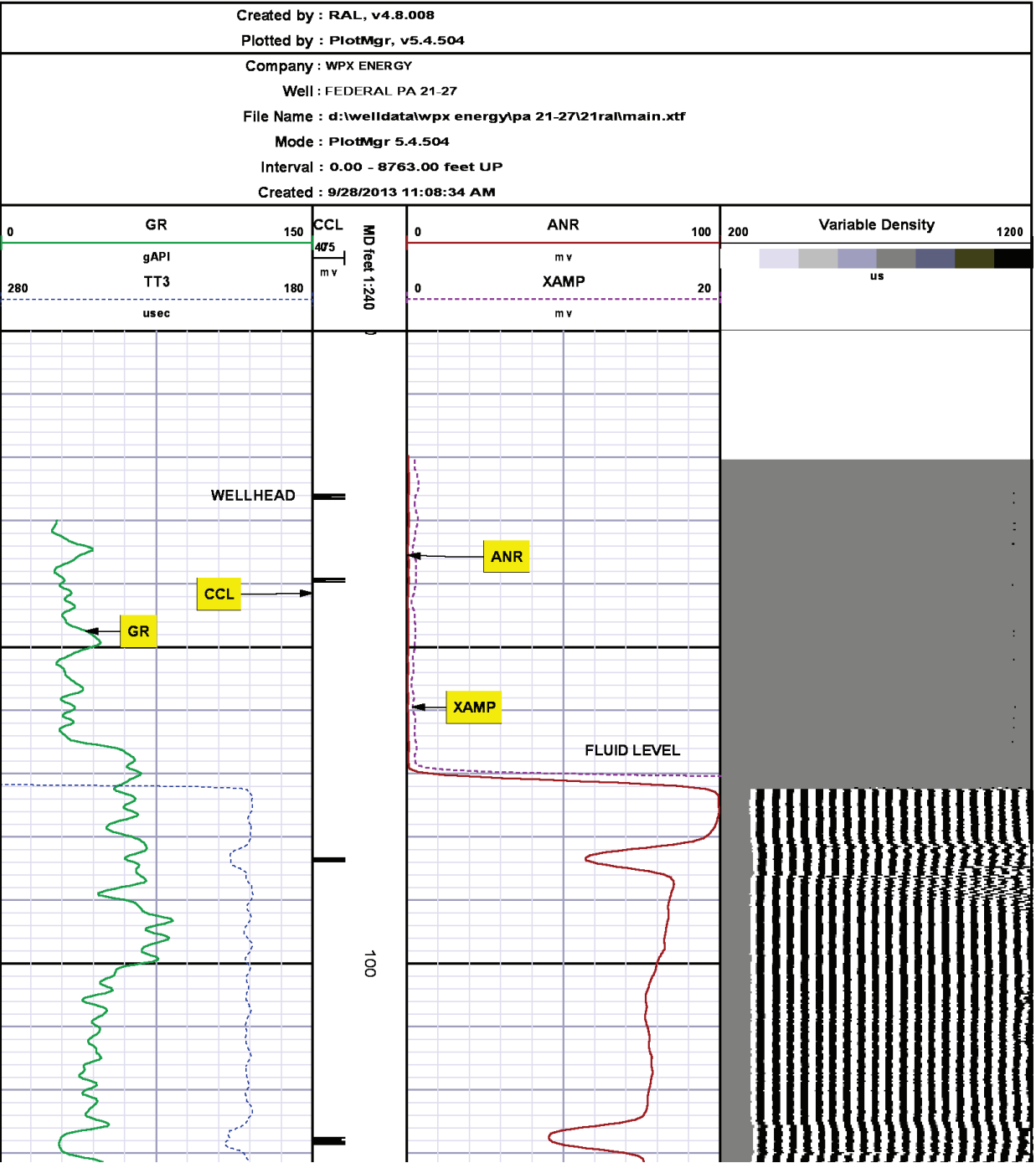
PRIMARY PRESENTATION
0 PSI

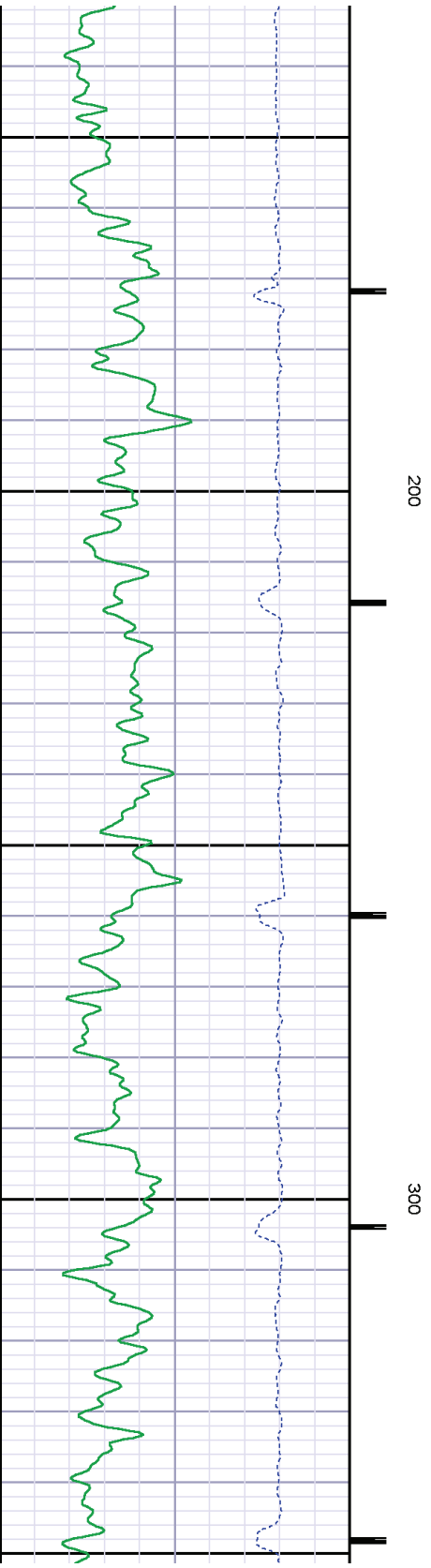
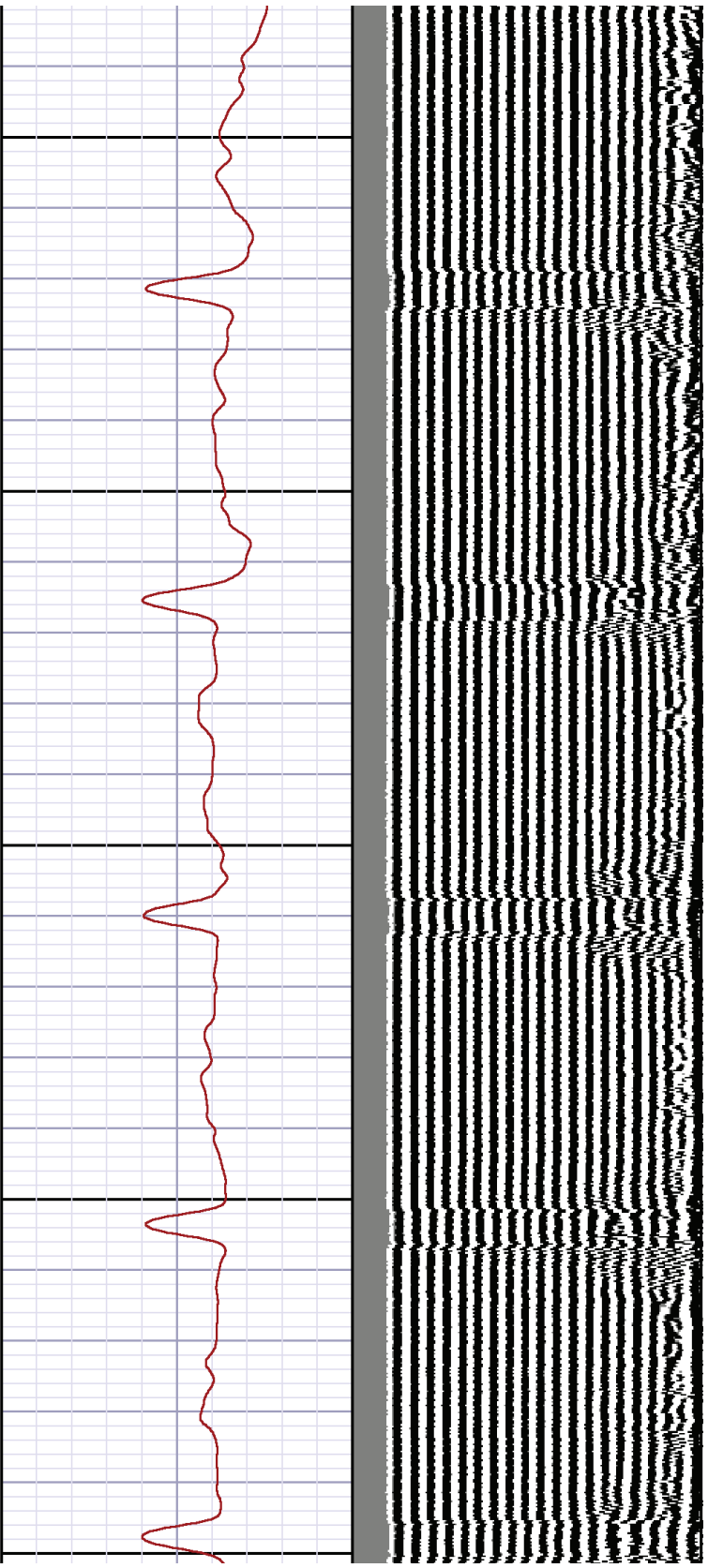
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	30.155	8779.000
RAL	Amp Gate Start Near	195.000	usec	30.155	8779.000
RAL	Amp Gate Start Radial	195.000	usec	30.155	8779.000
RAL	Amp Gate Width Far	25.000	usec	30.155	8779.000
RAL	Amp Gate Width Near	25.000	usec	30.155	8779.000
RAL	Amp Gate Width Radial	25.000	usec	30.155	8779.000
RAL	casing od	4.500	inches	30.155	8779.000
RAL	casing wt	11.600	lbm/ft	30.155	8779.000
RAL	FB Start Far	291.900	usec	30.155	8779.000
RAL	FB Start Near	175.391	usec	30.155	8779.000
RAL	FB Start Radial	175.391	usec	30.155	8779.000
RAL	FB Thresh Far	10.000	mv	30.155	8779.000
RAL	FB Thresh Near	4.000	mv	30.155	8779.000
RAL	FB Thresh Radial	4.000	mv	30.155	8779.000
RAL	Fluid Travel Time	200.000	usec/ft	30.155	8778.999

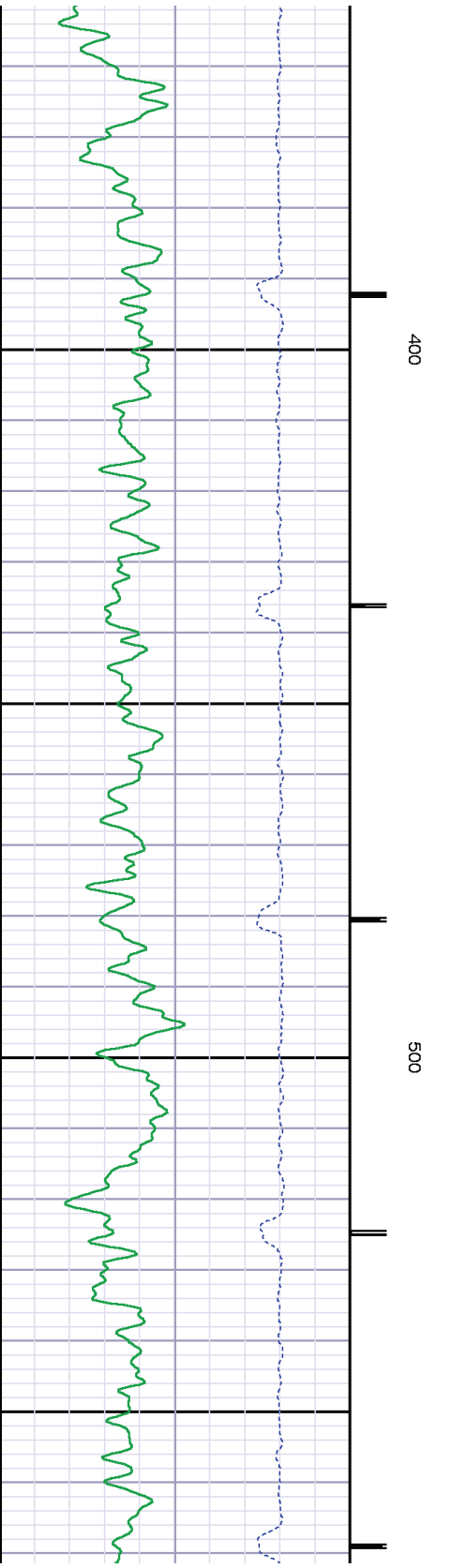
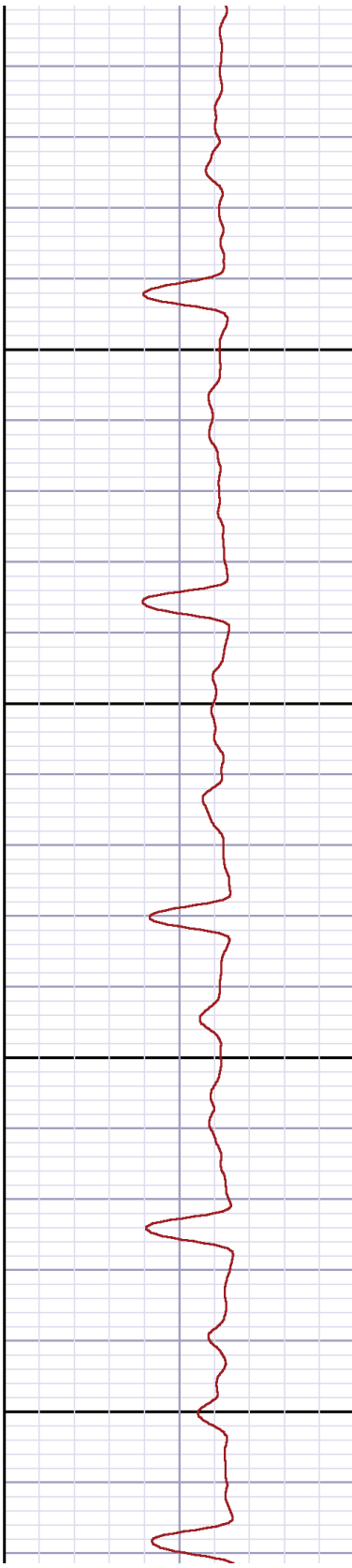
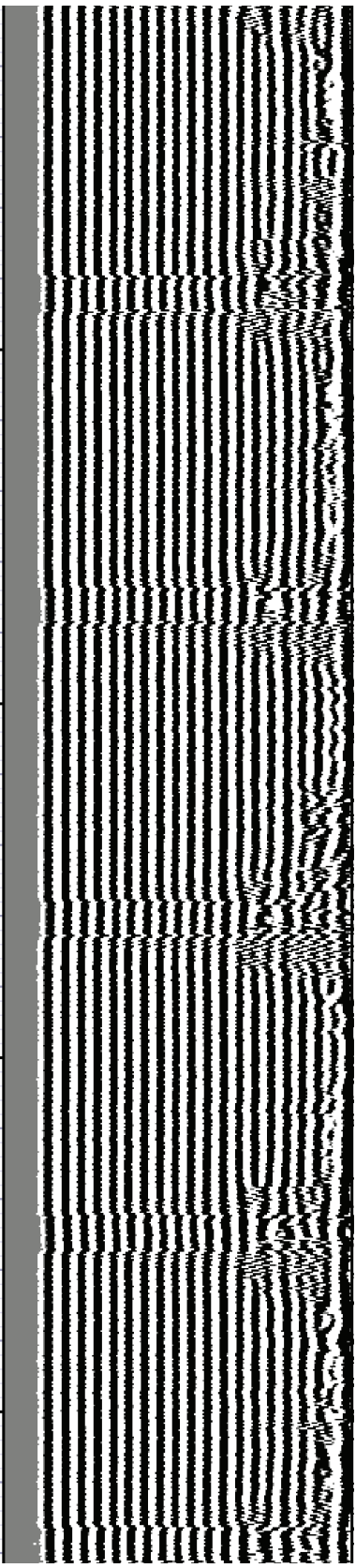
DEPTH OFFSETS
(for Acquired Curves)

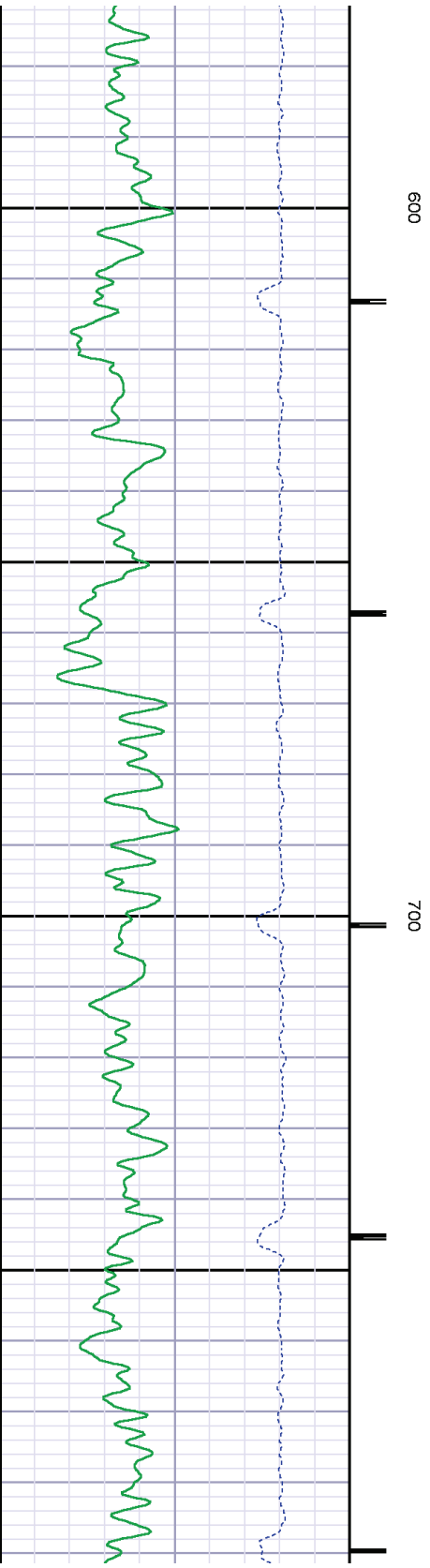
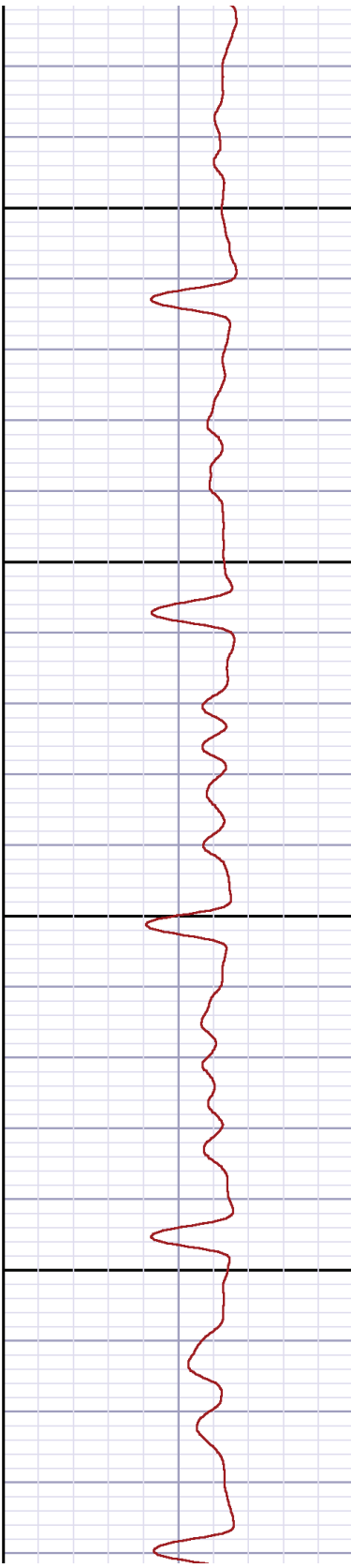
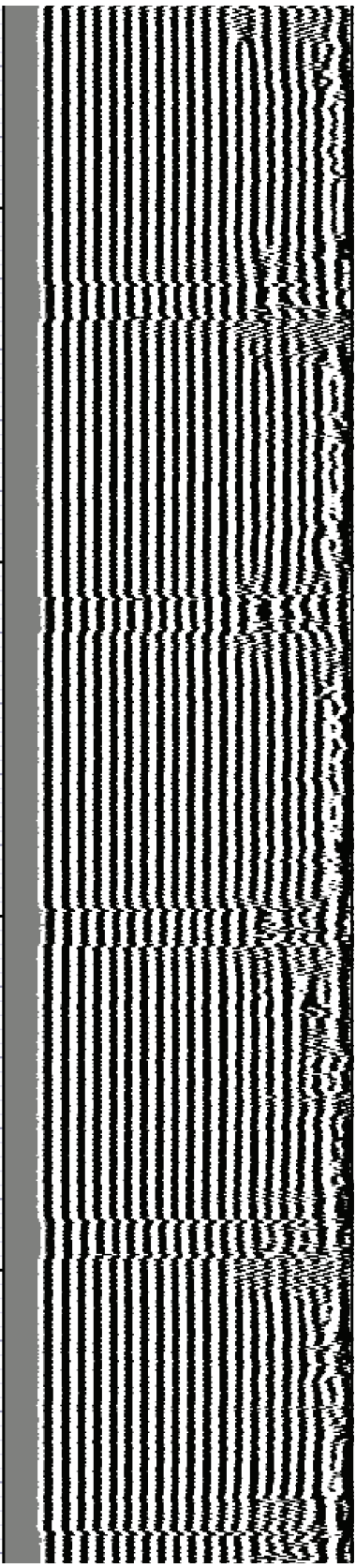
SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
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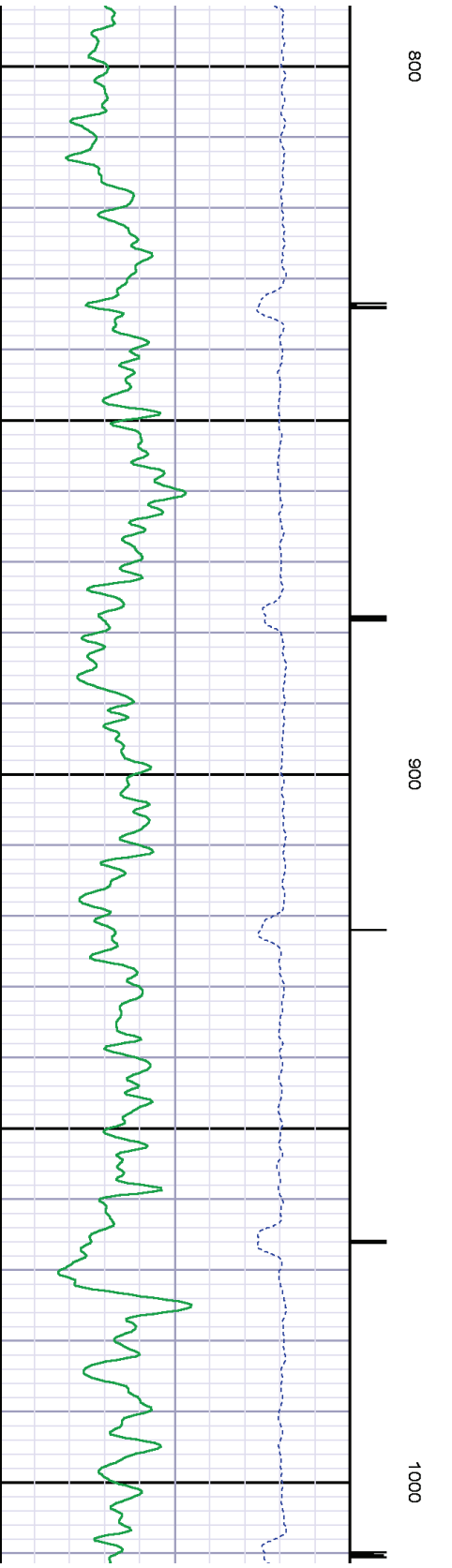
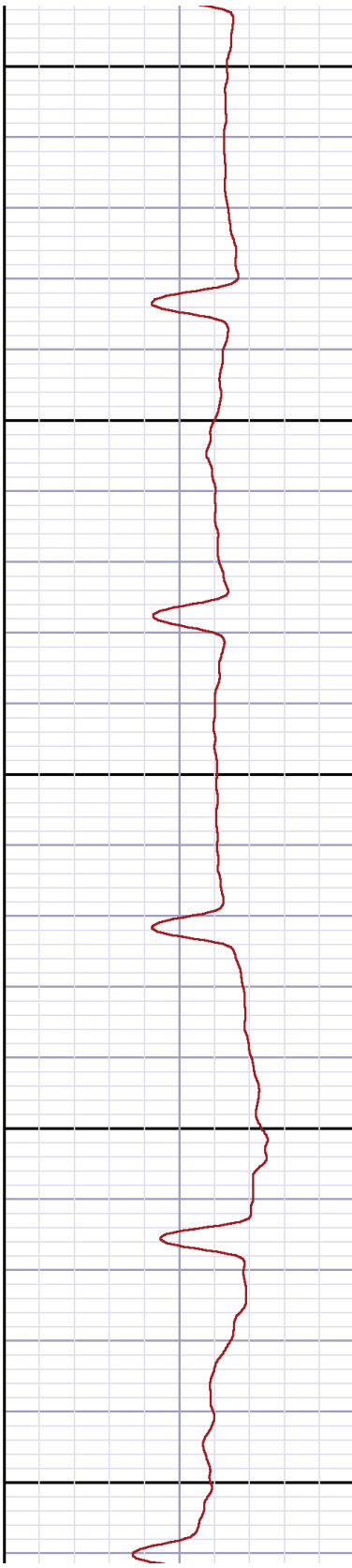
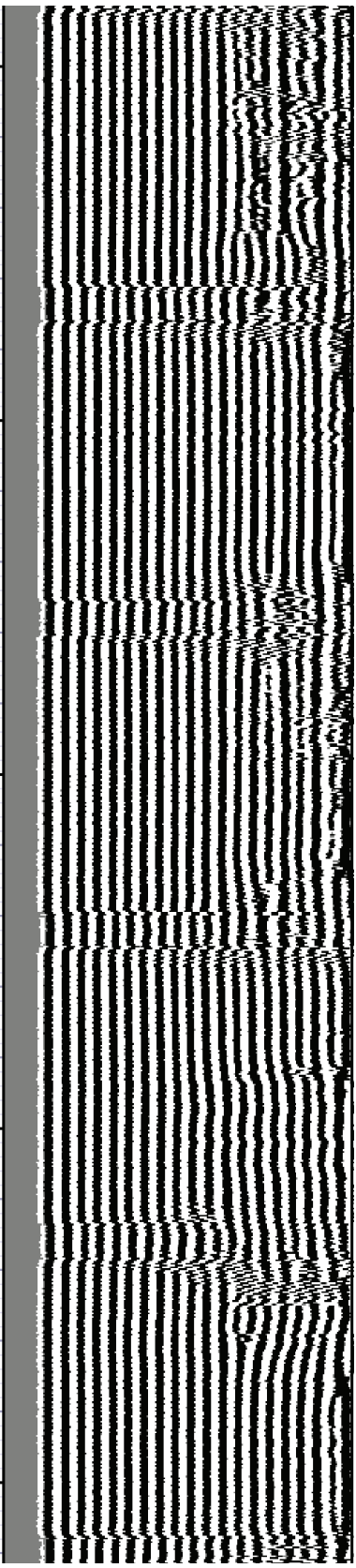
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

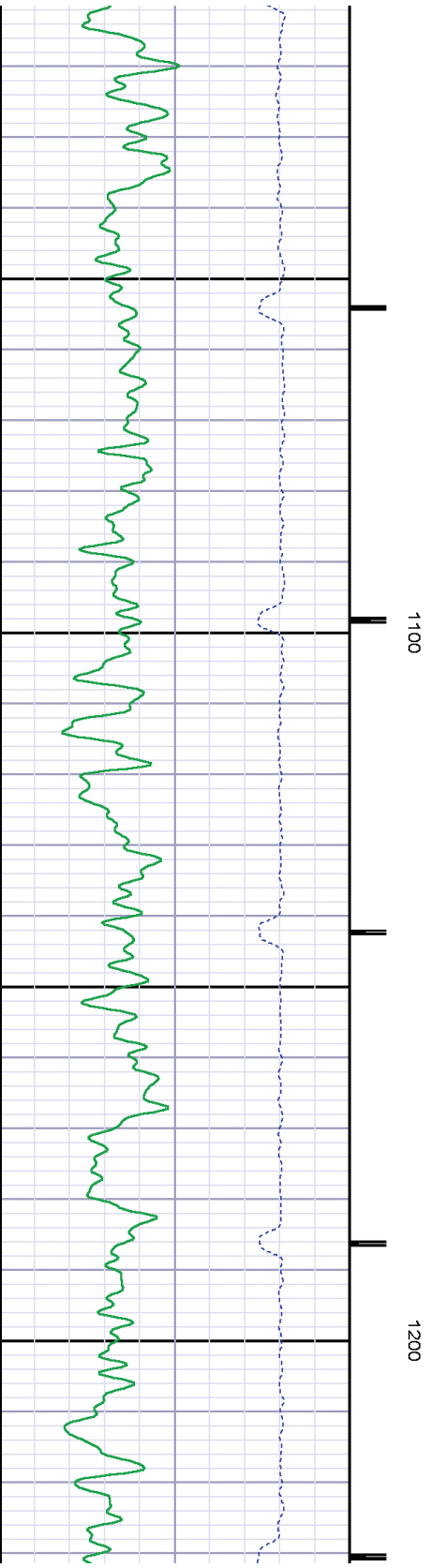
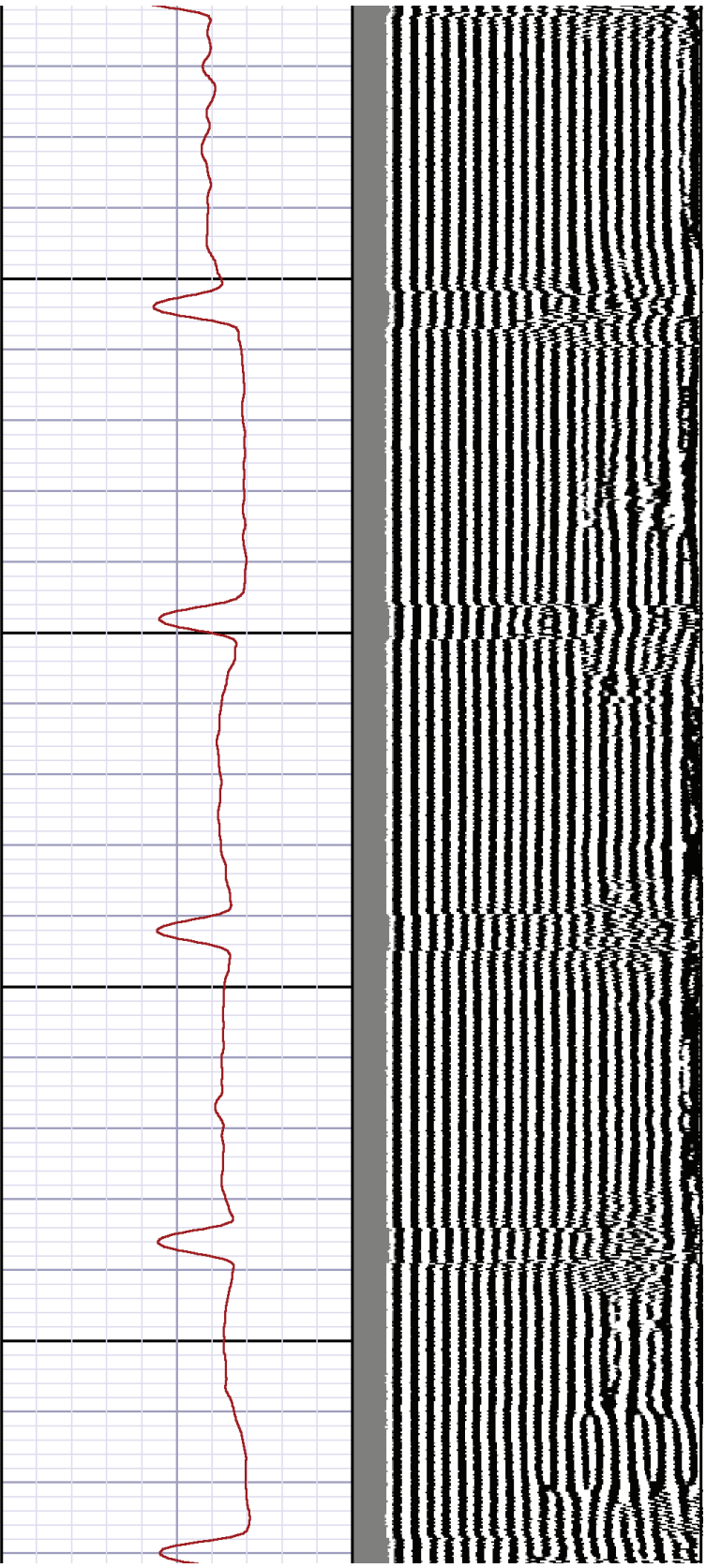


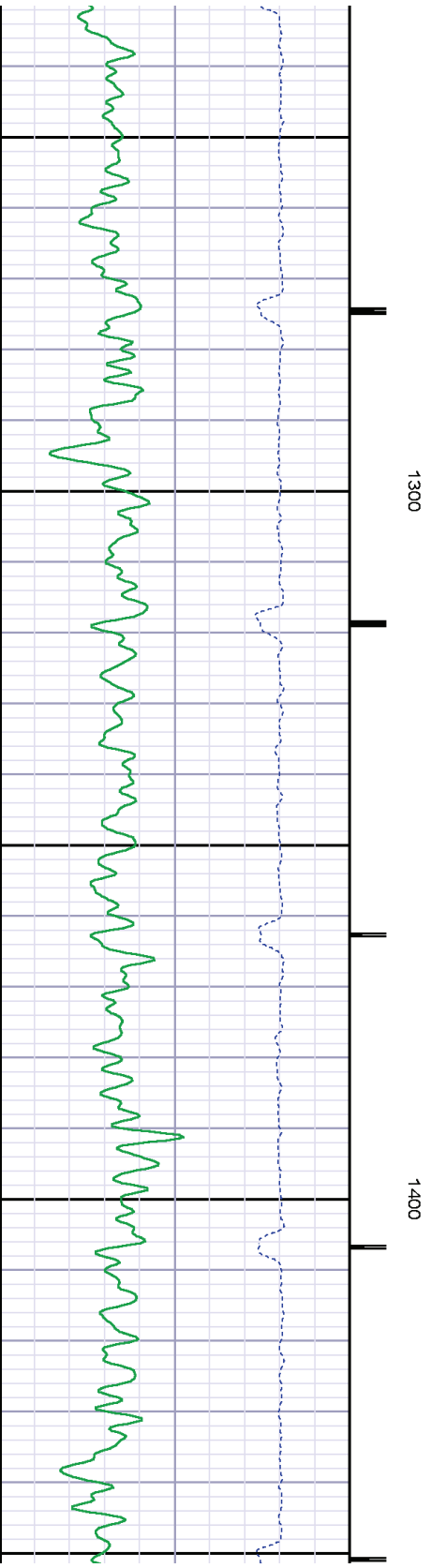
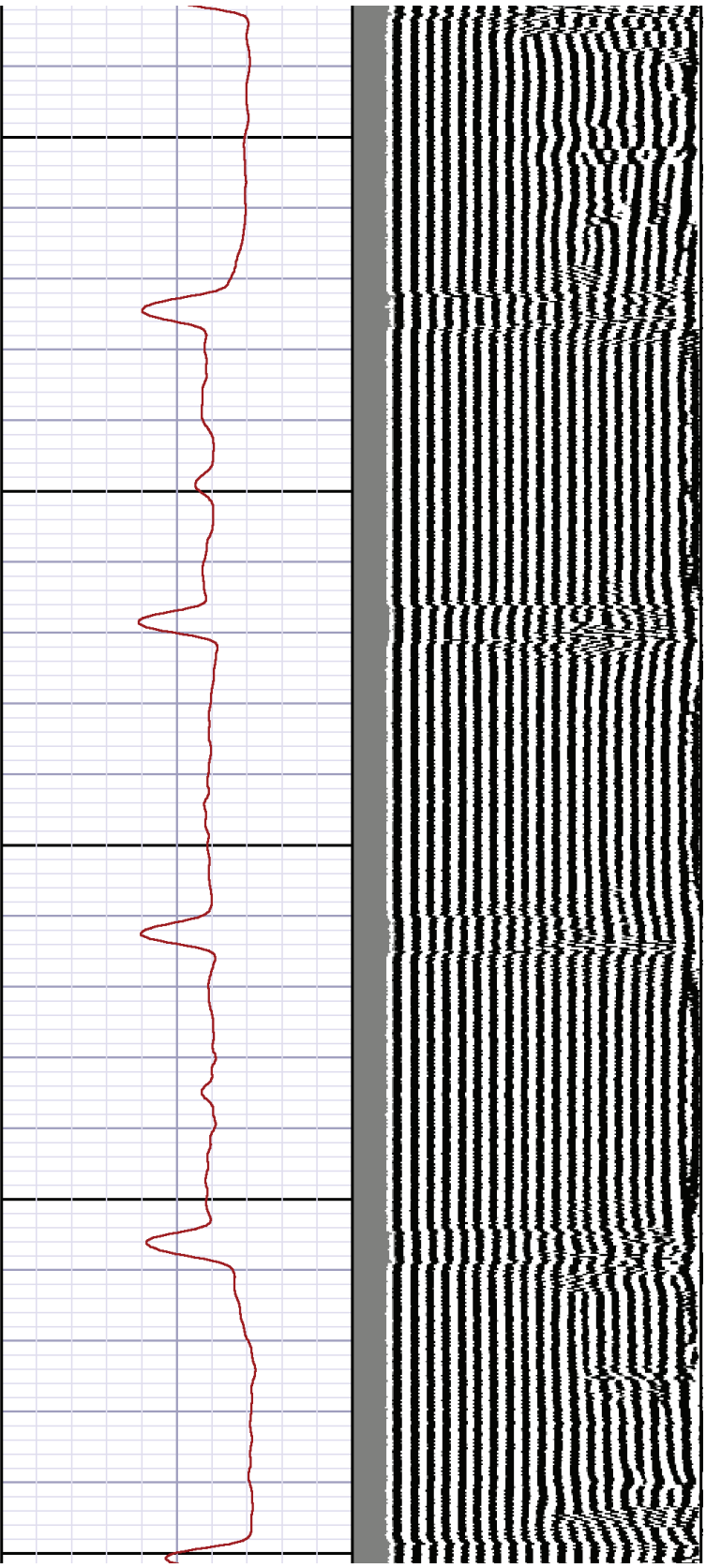


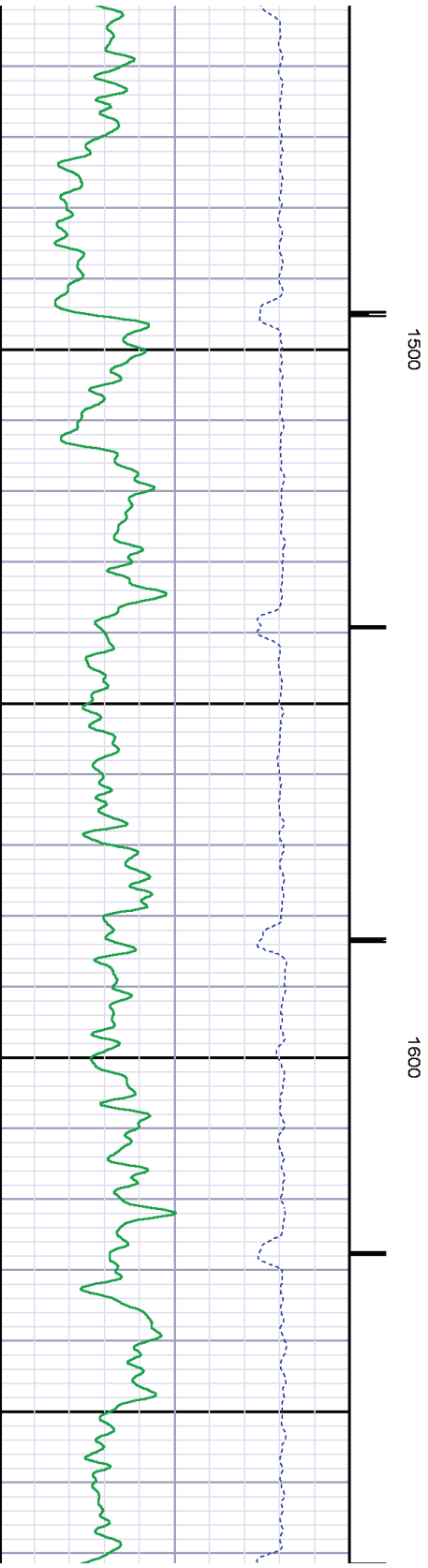
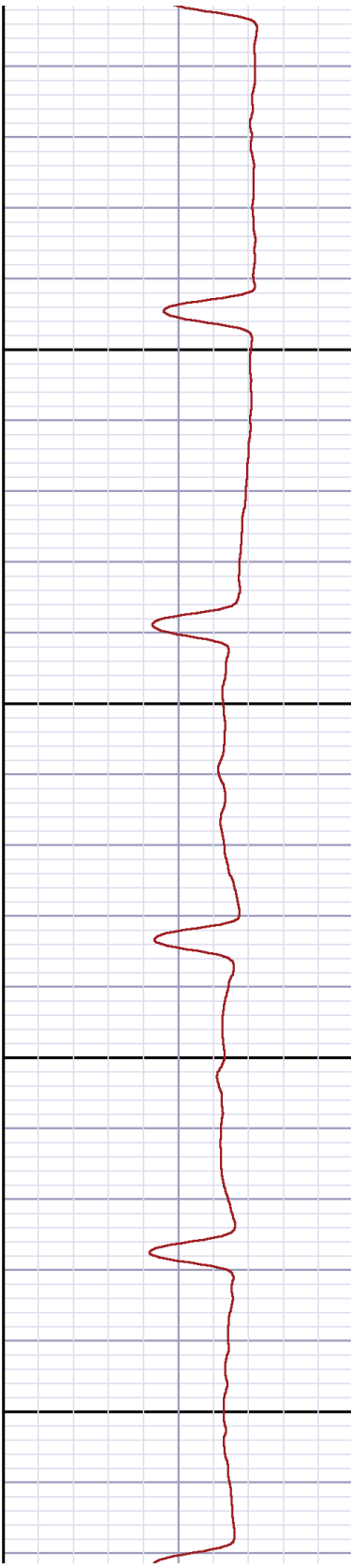
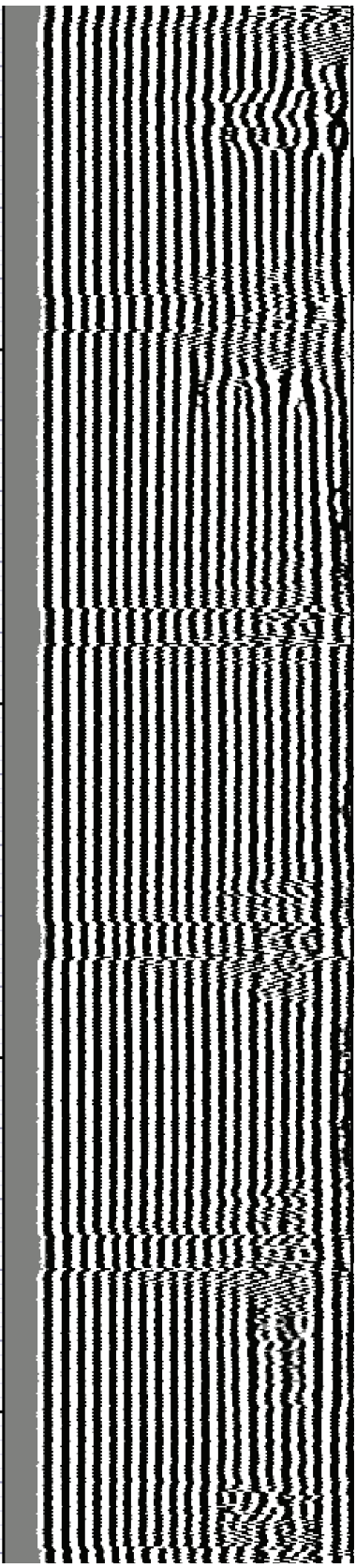


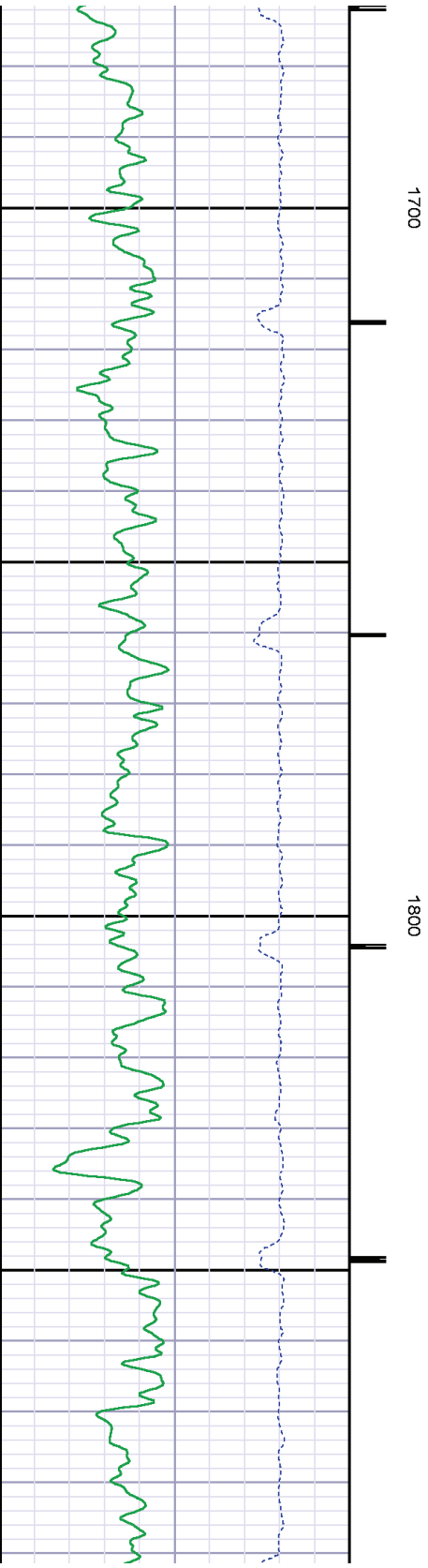
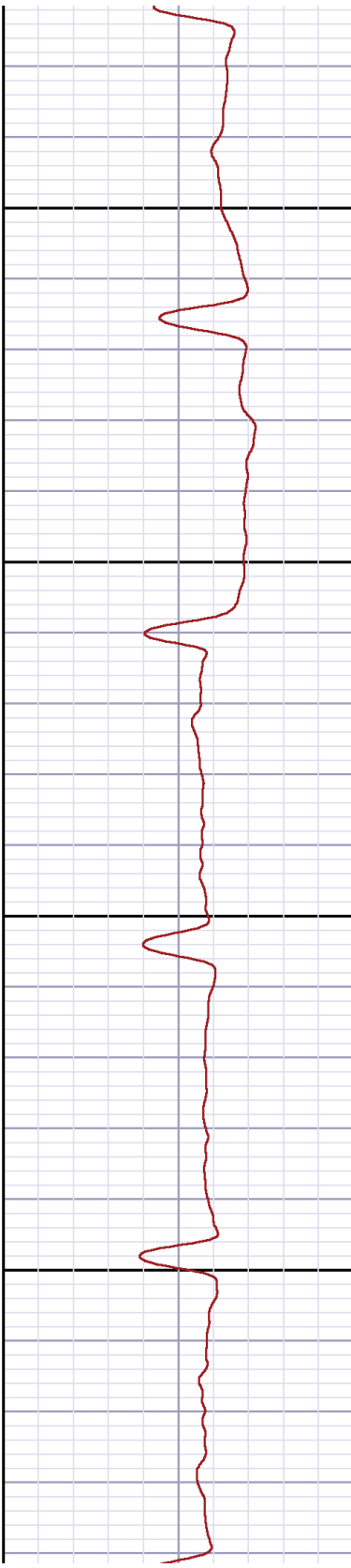
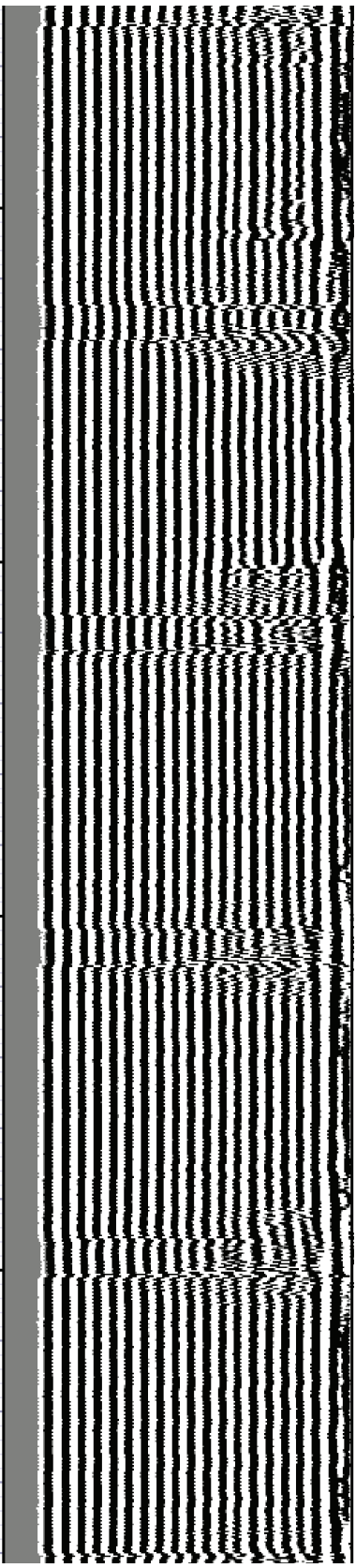


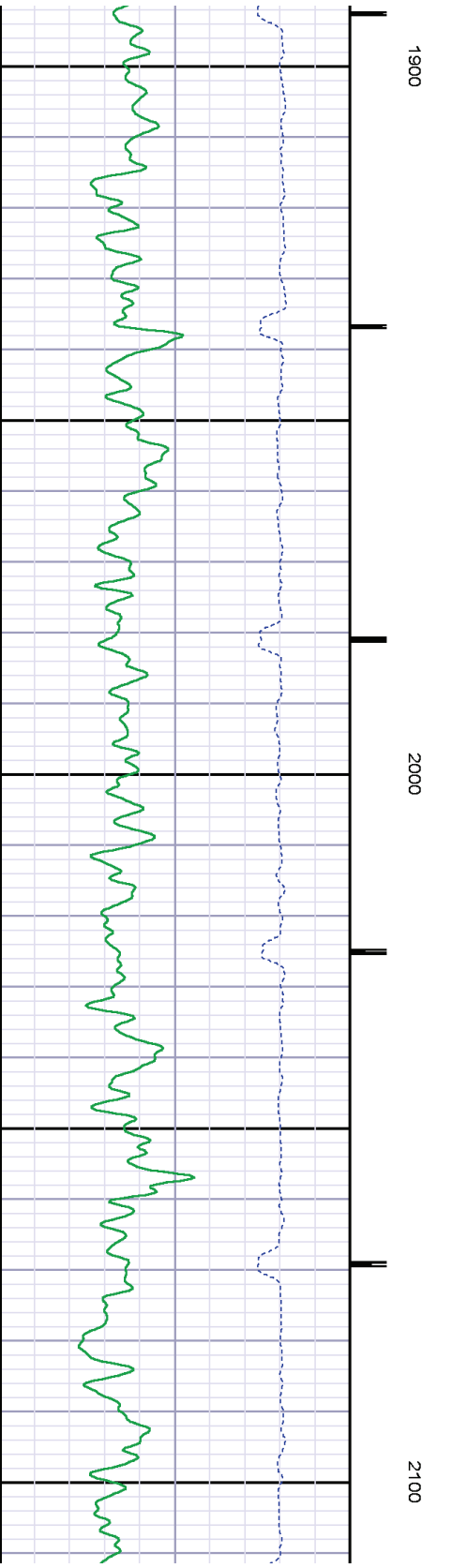
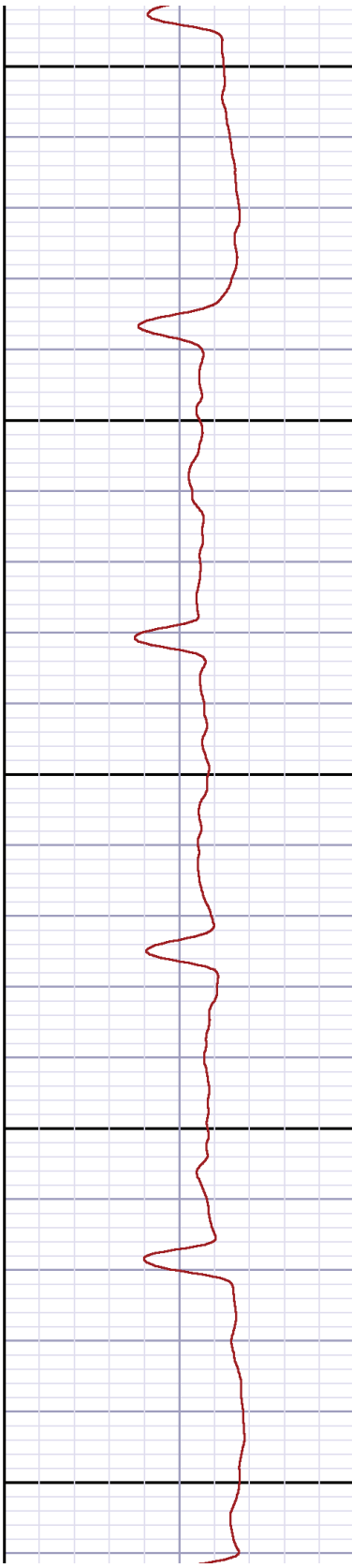
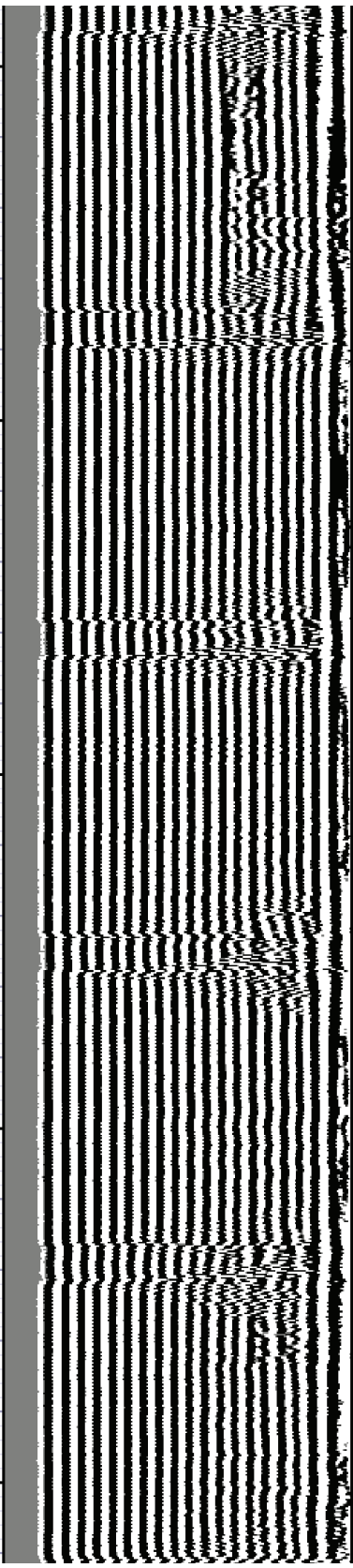


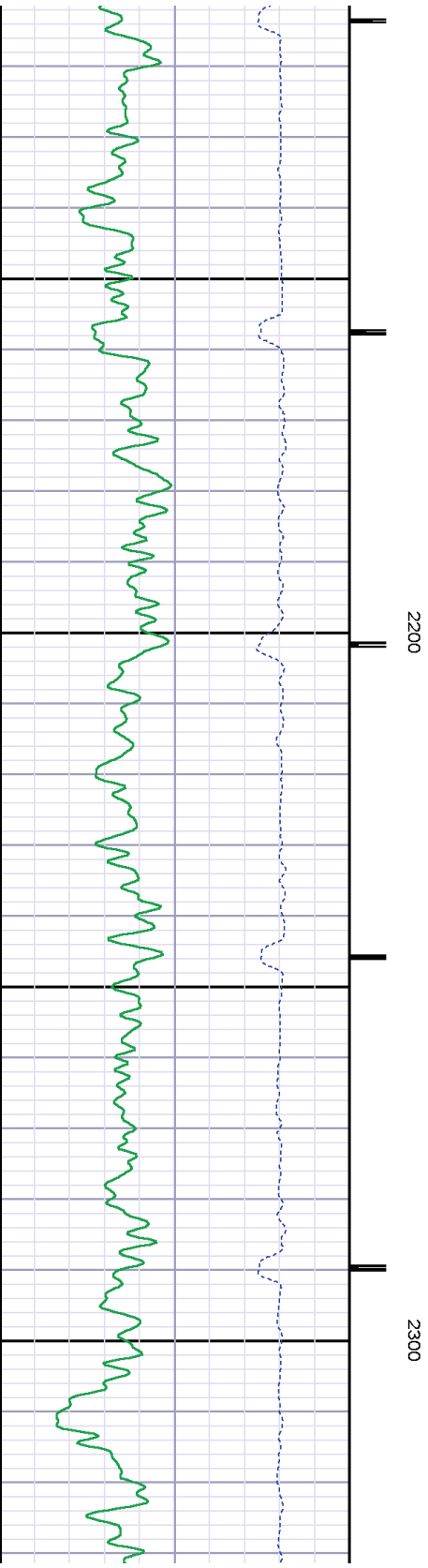
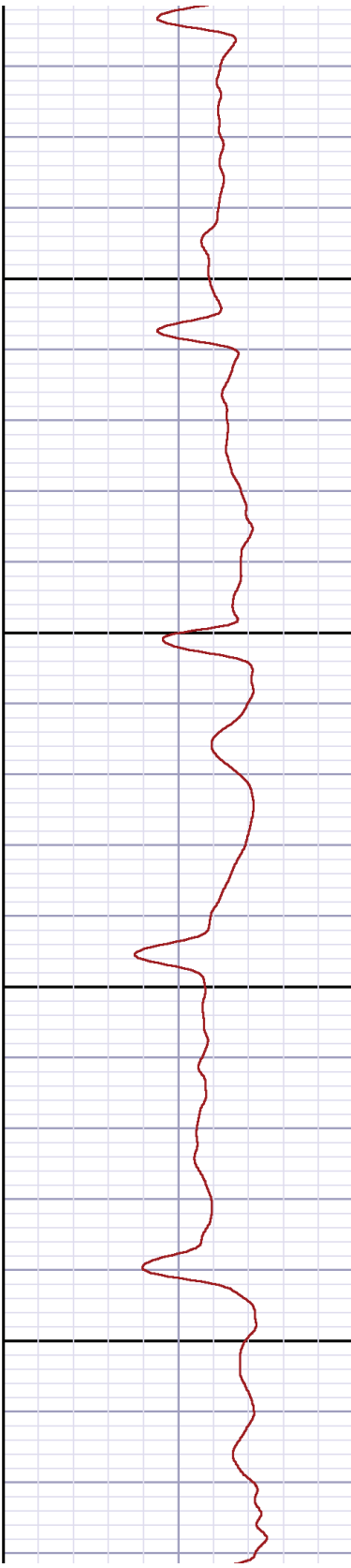
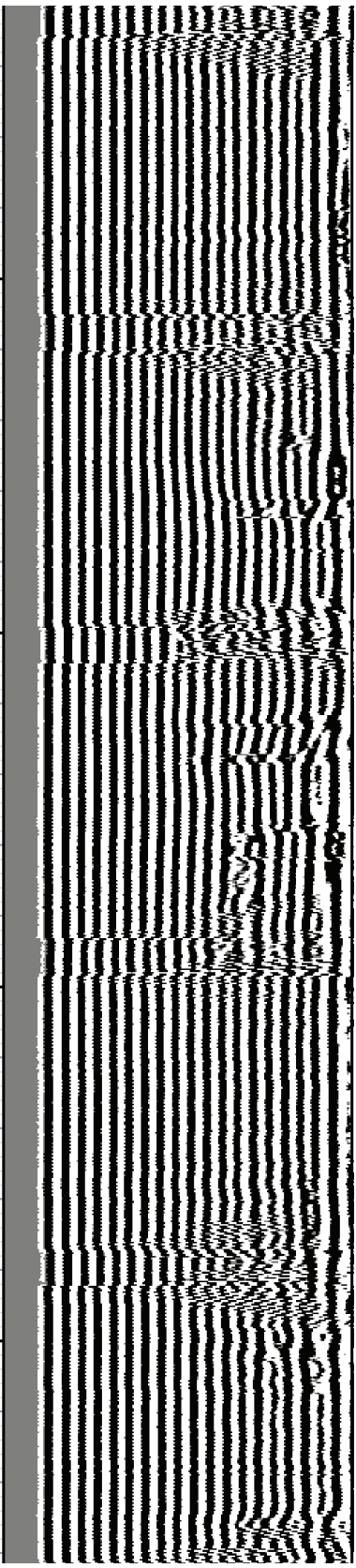


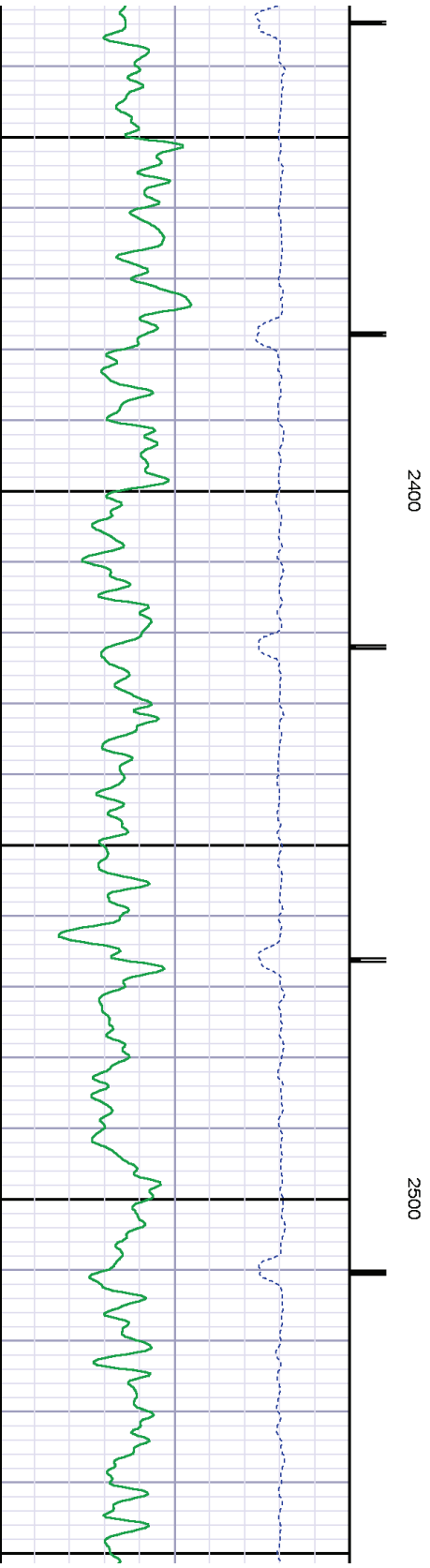
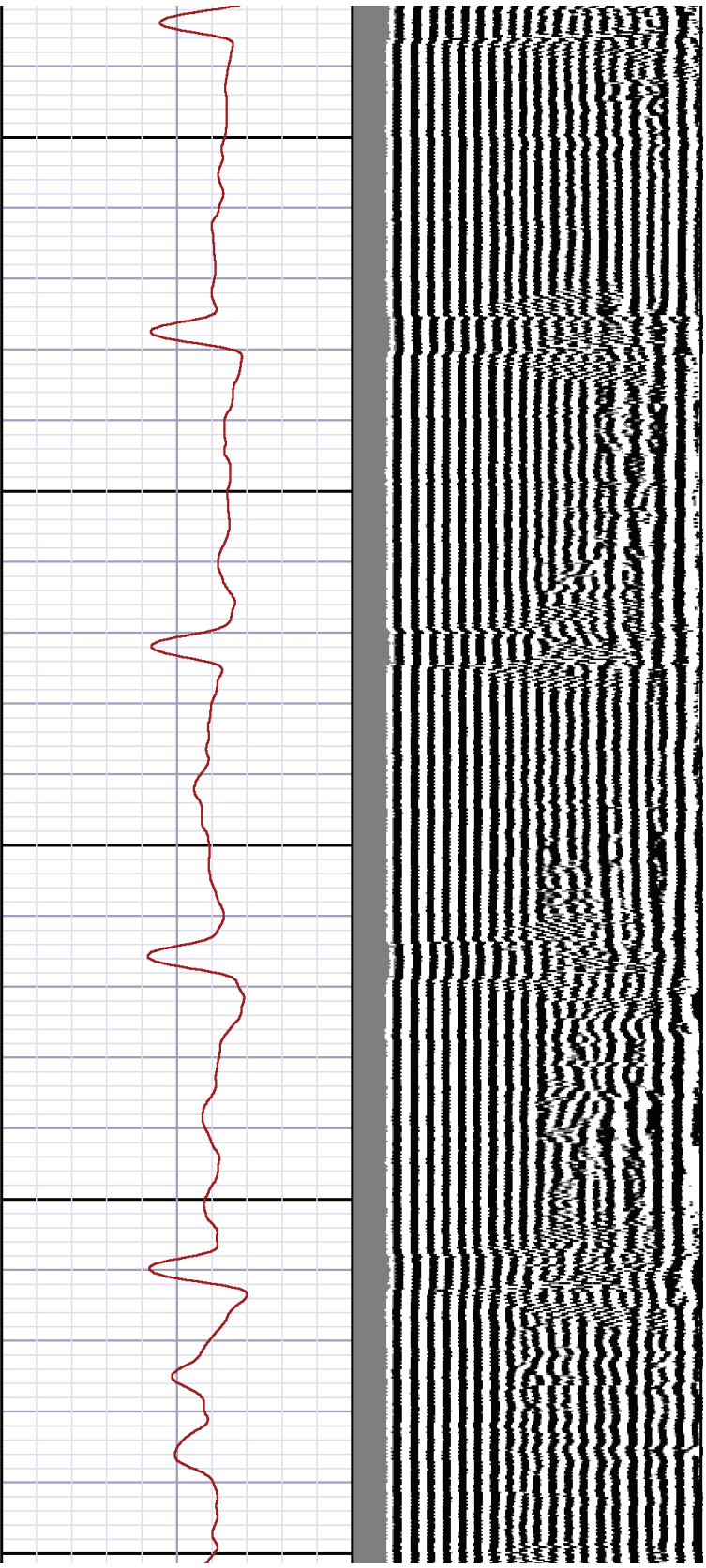


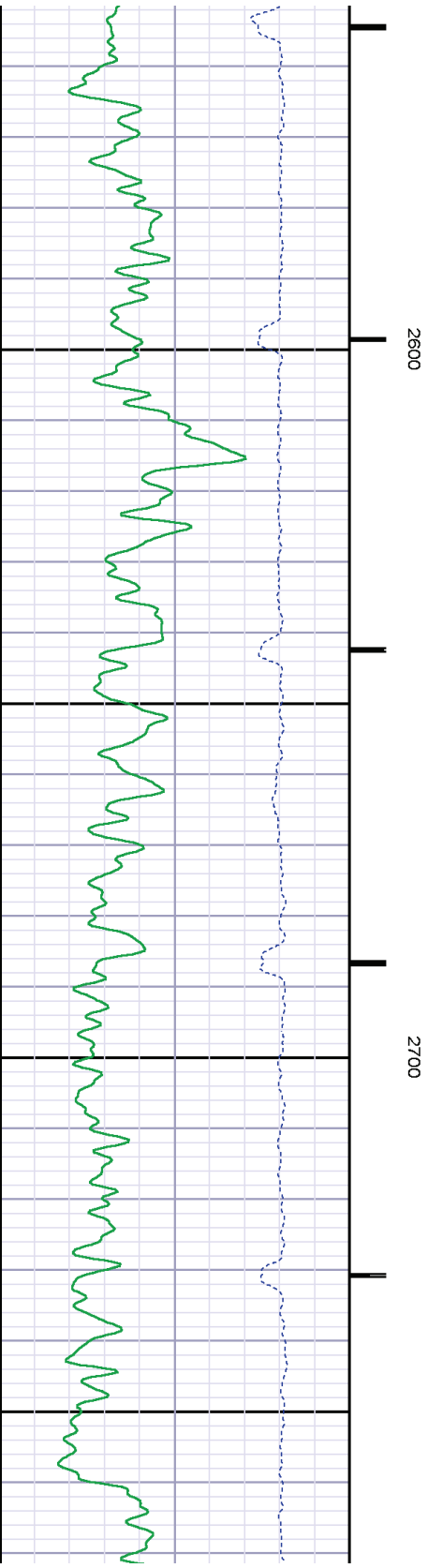
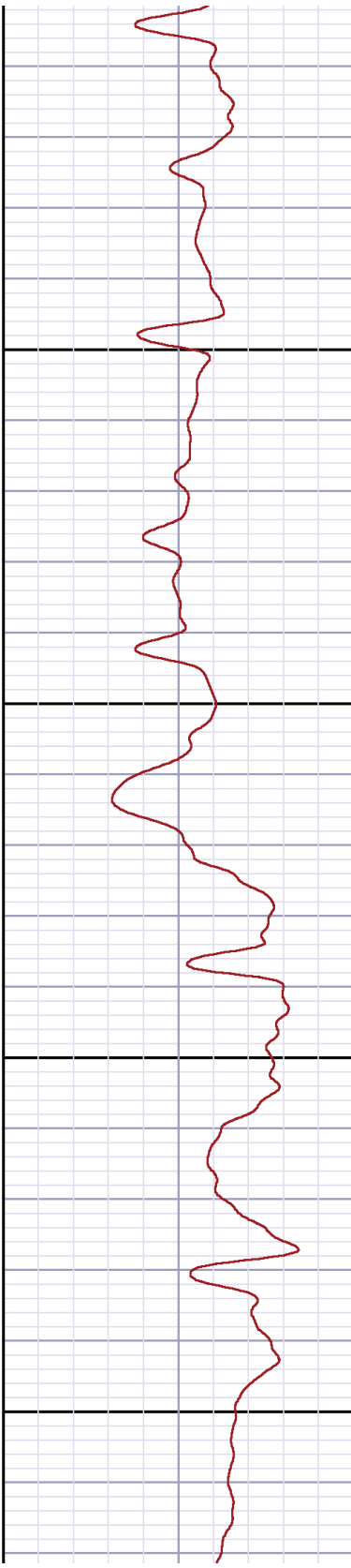
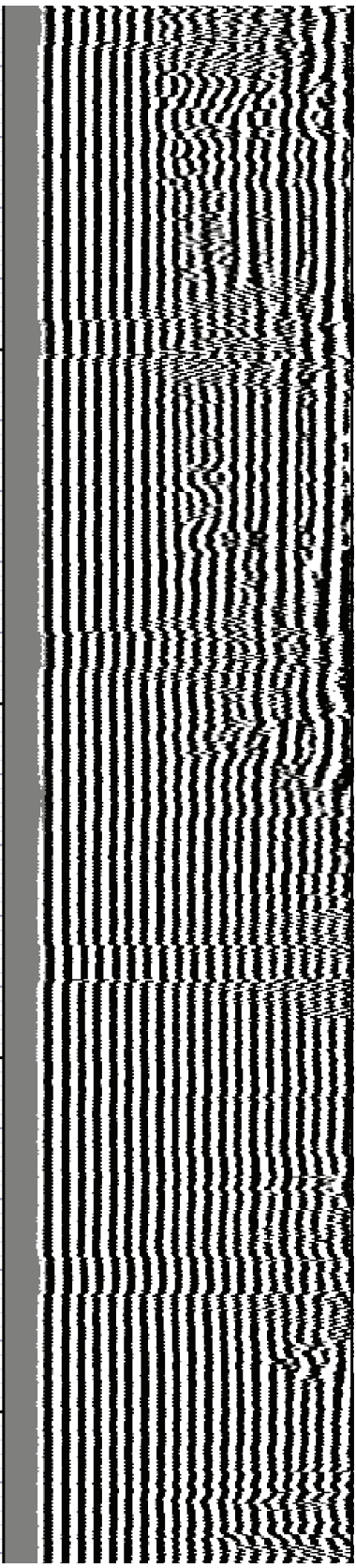


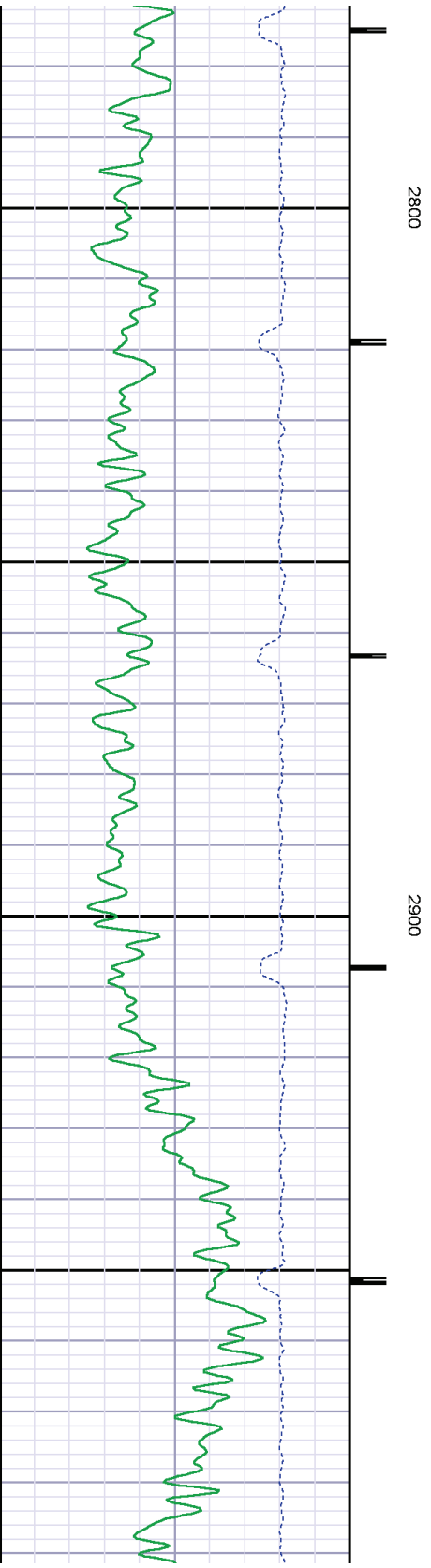
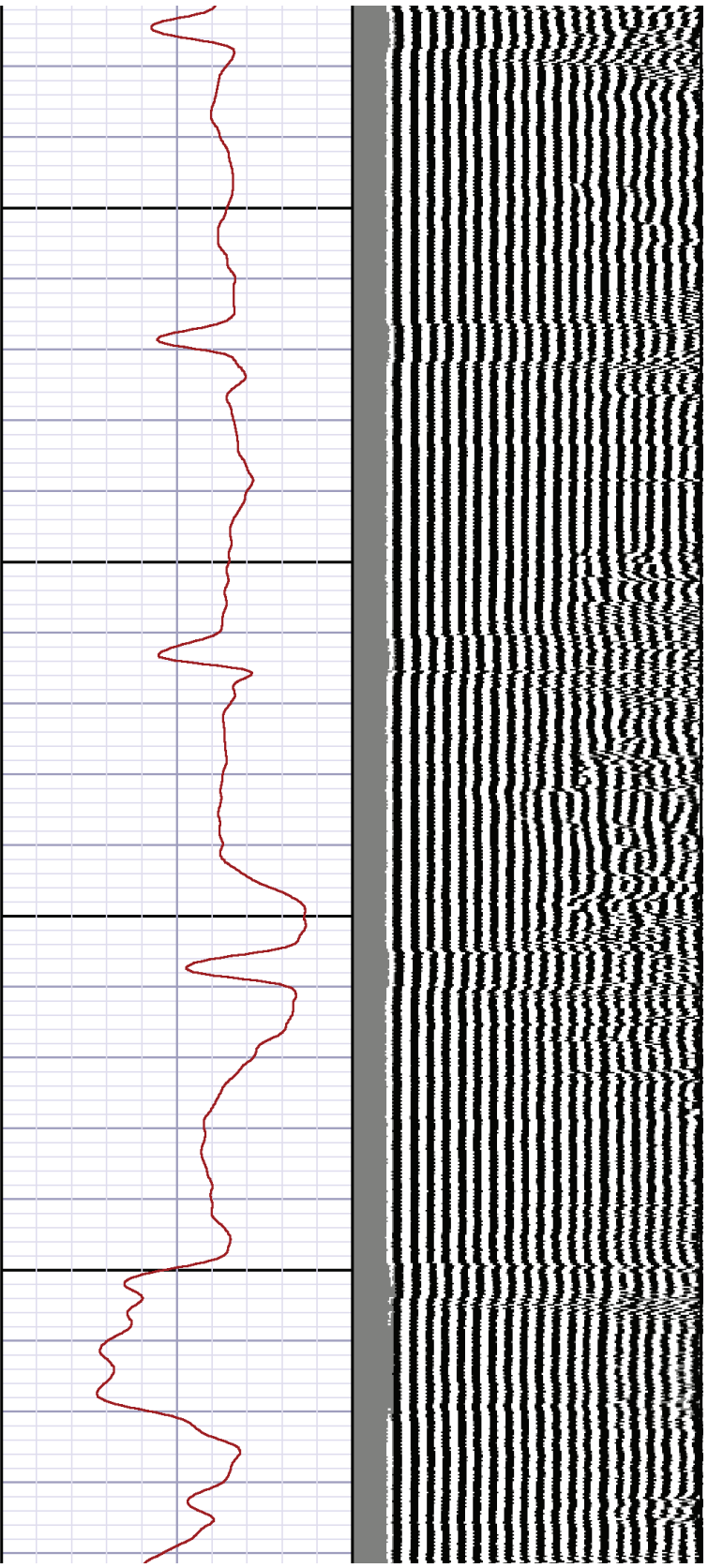


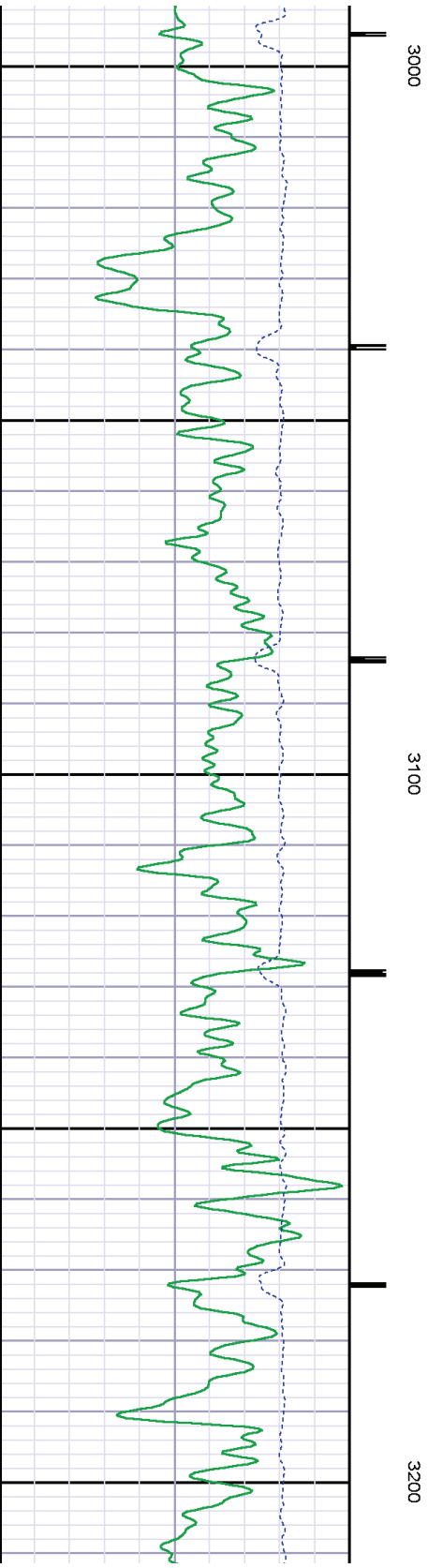
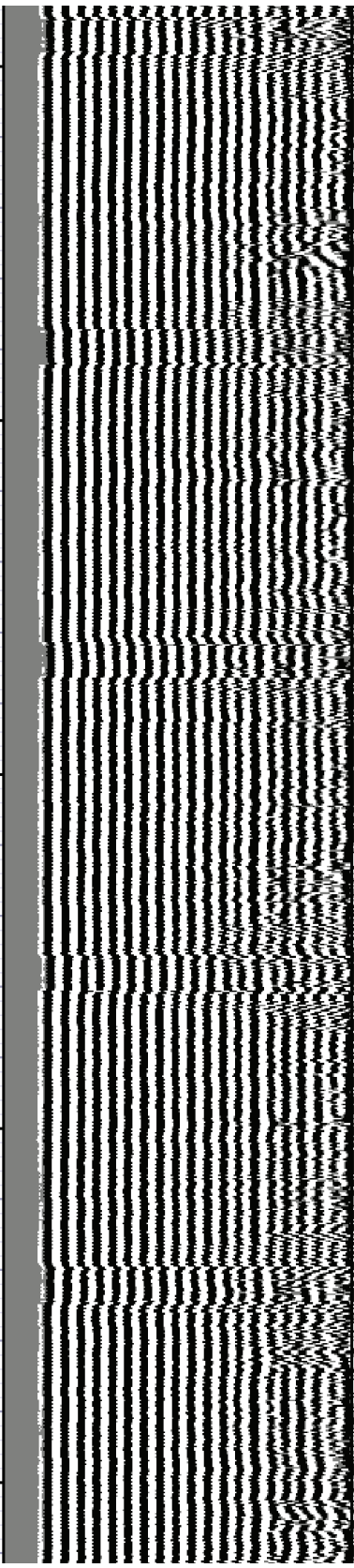


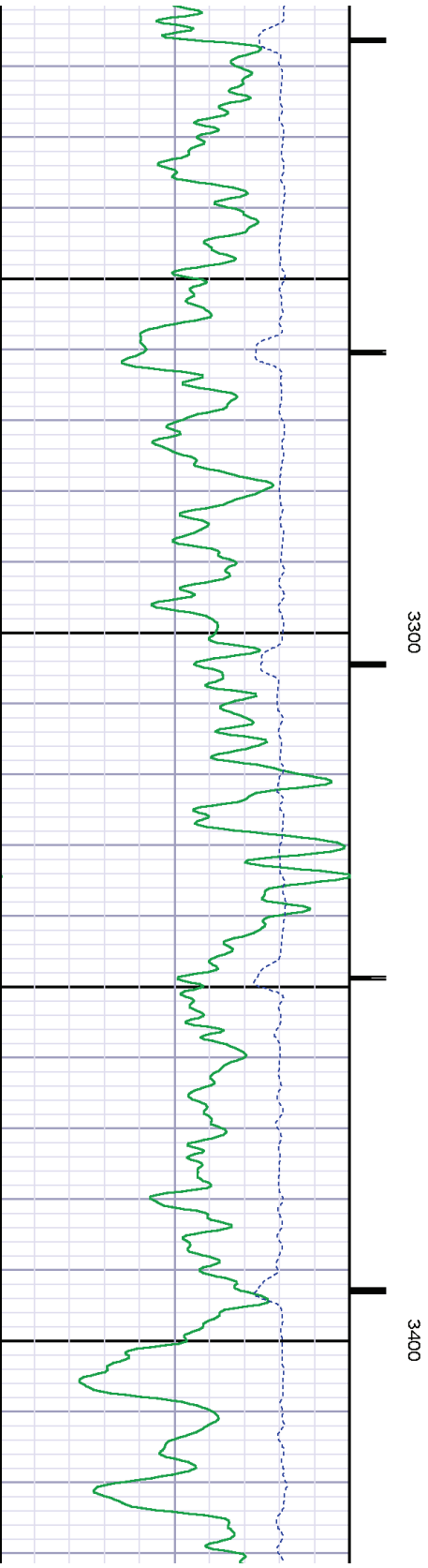
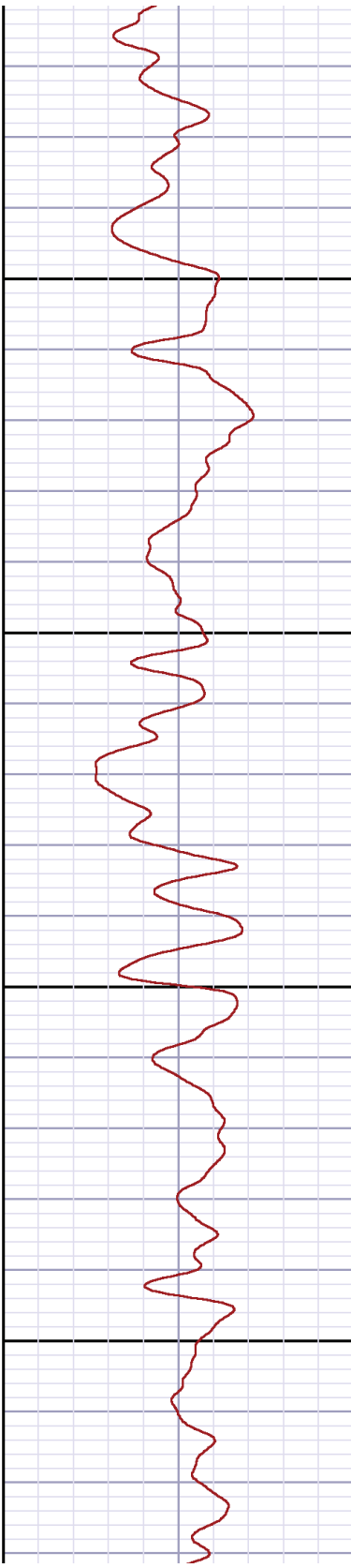
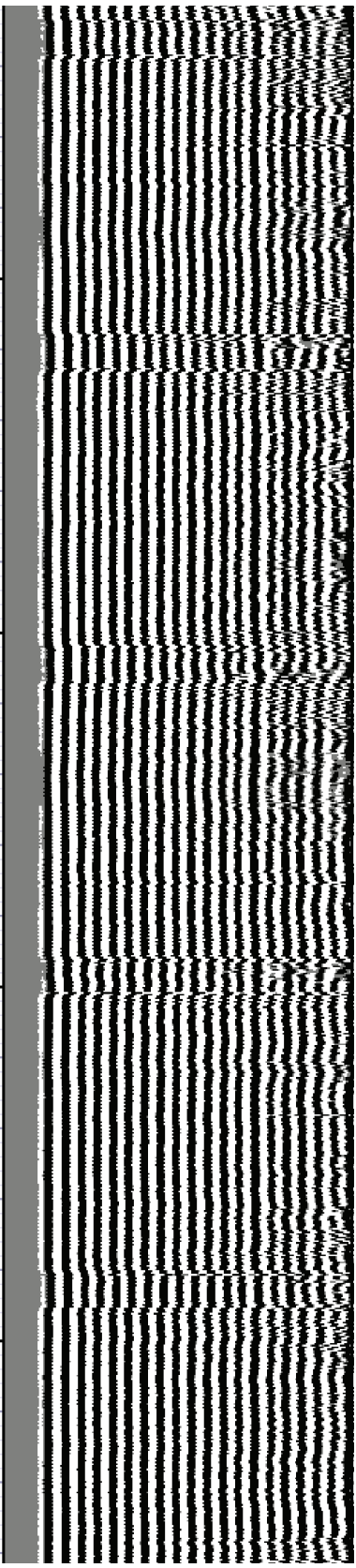


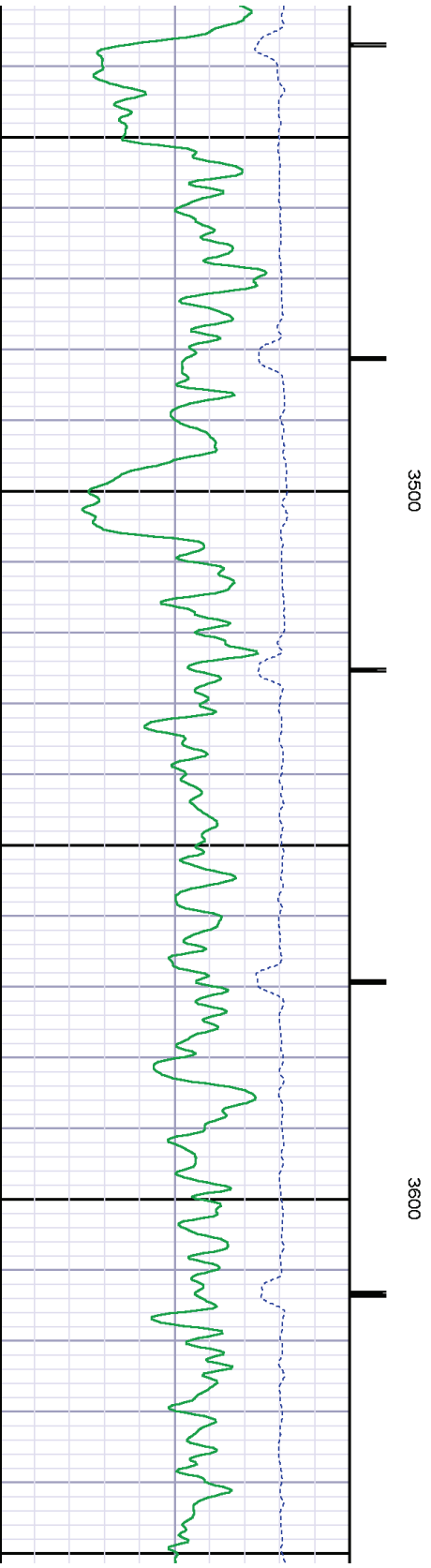
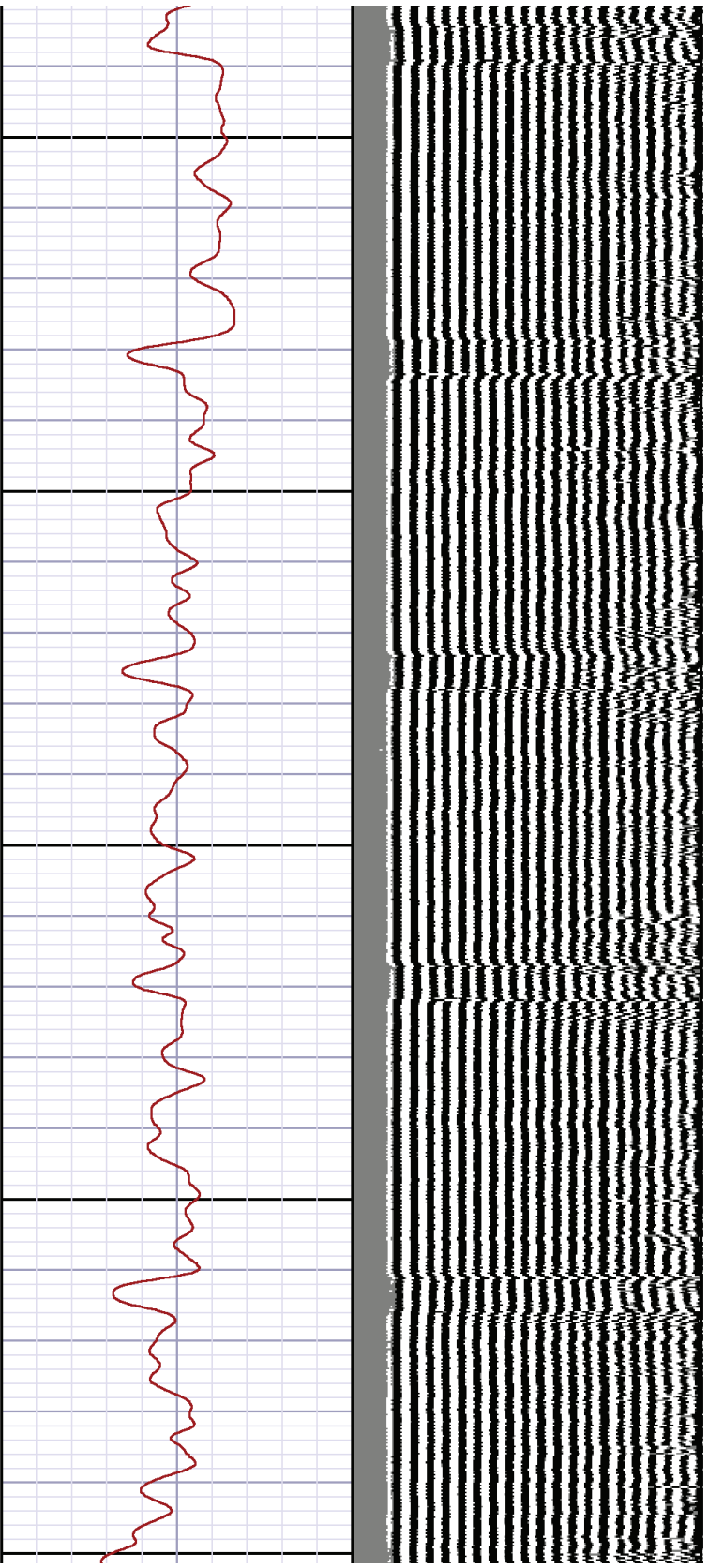


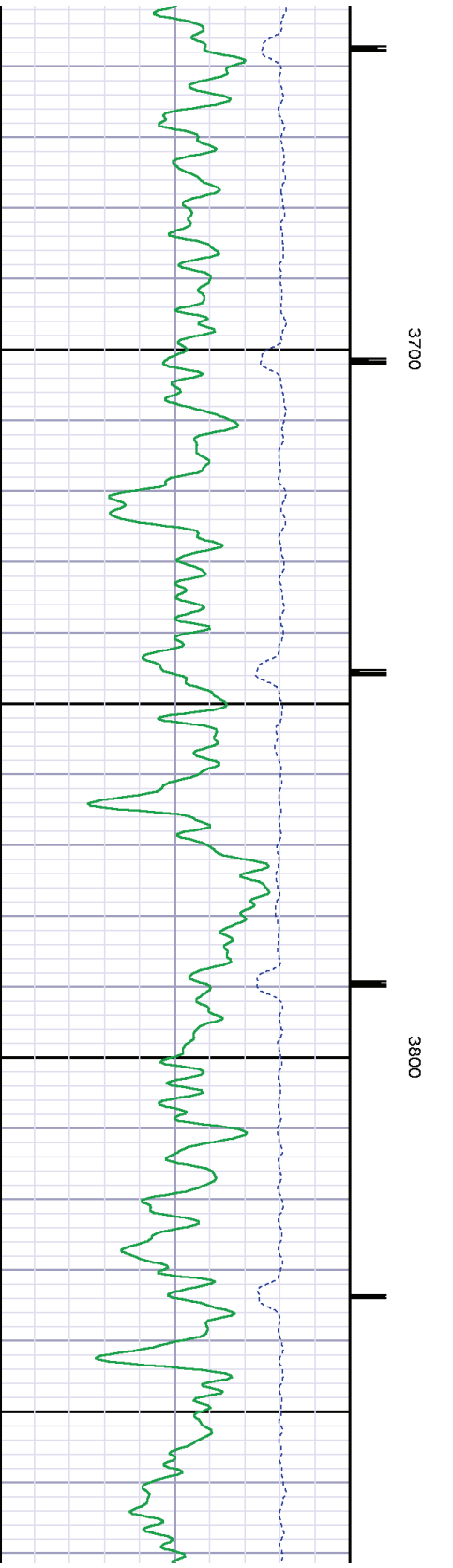
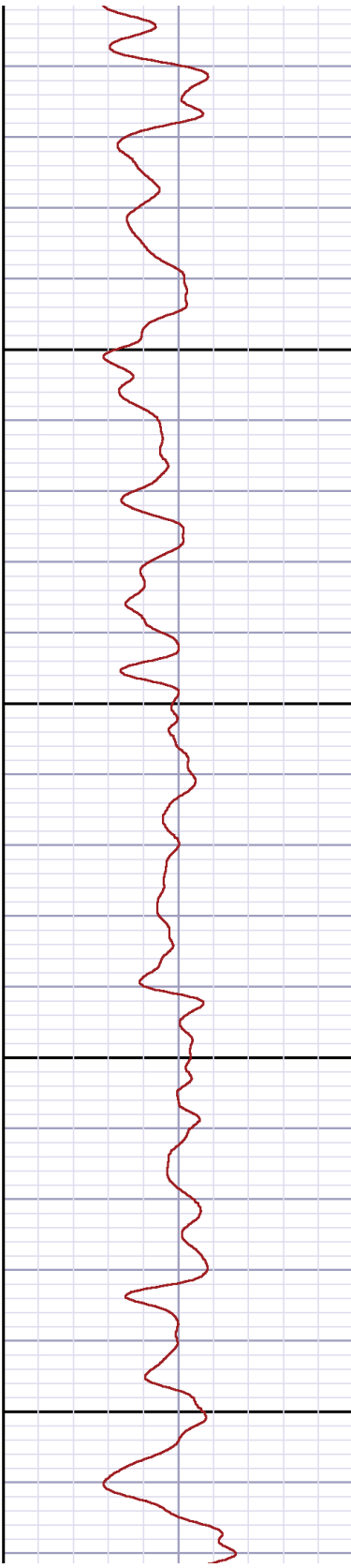
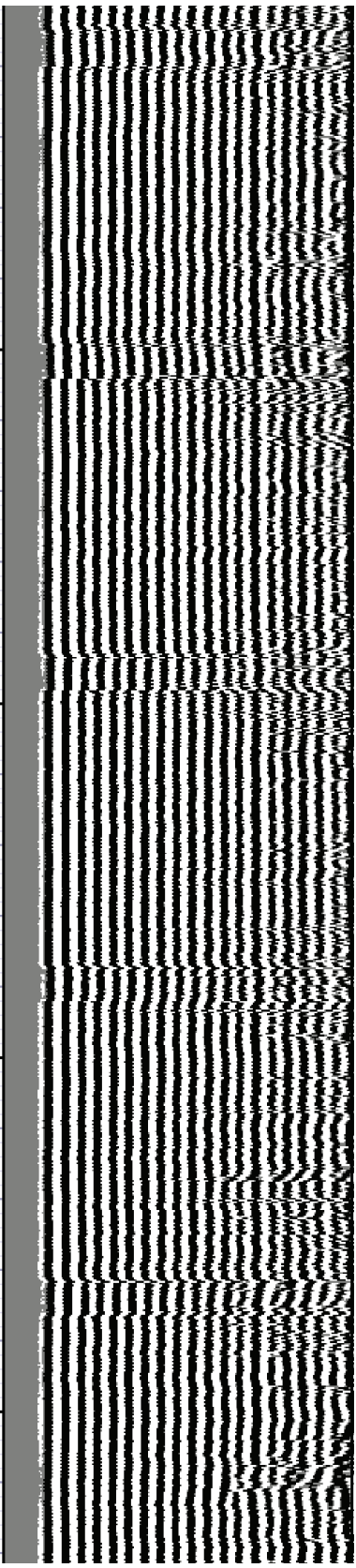


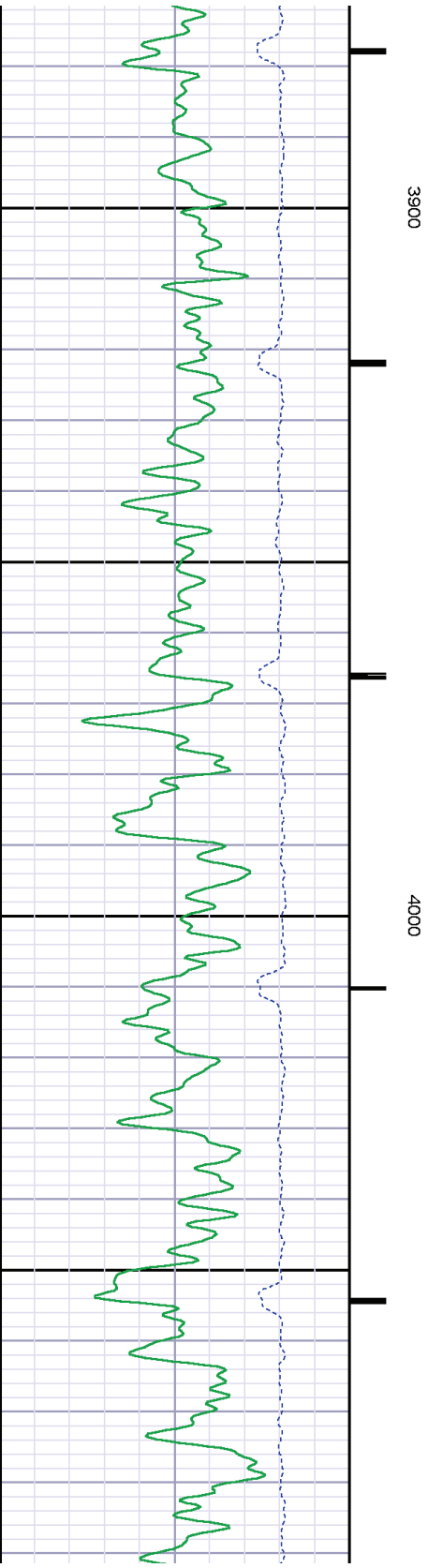
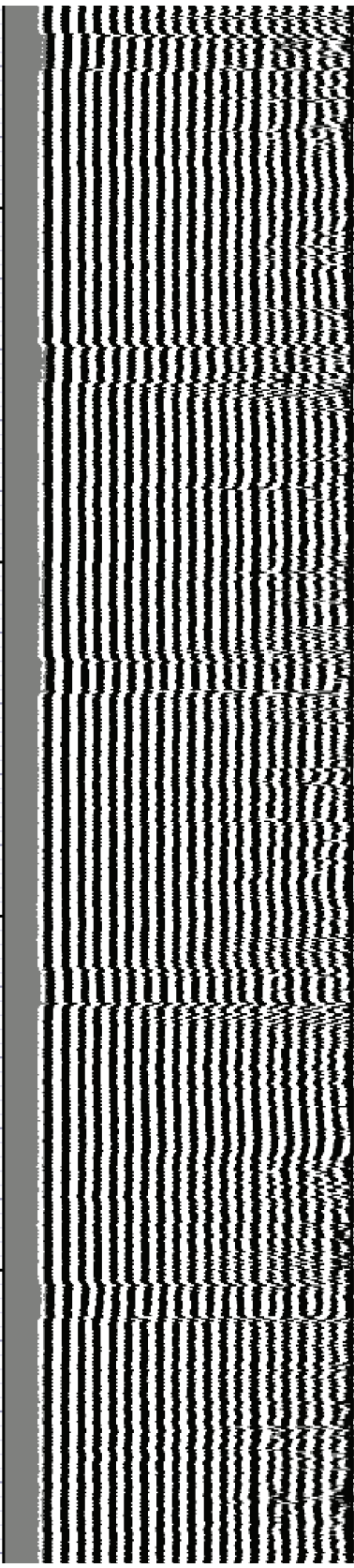


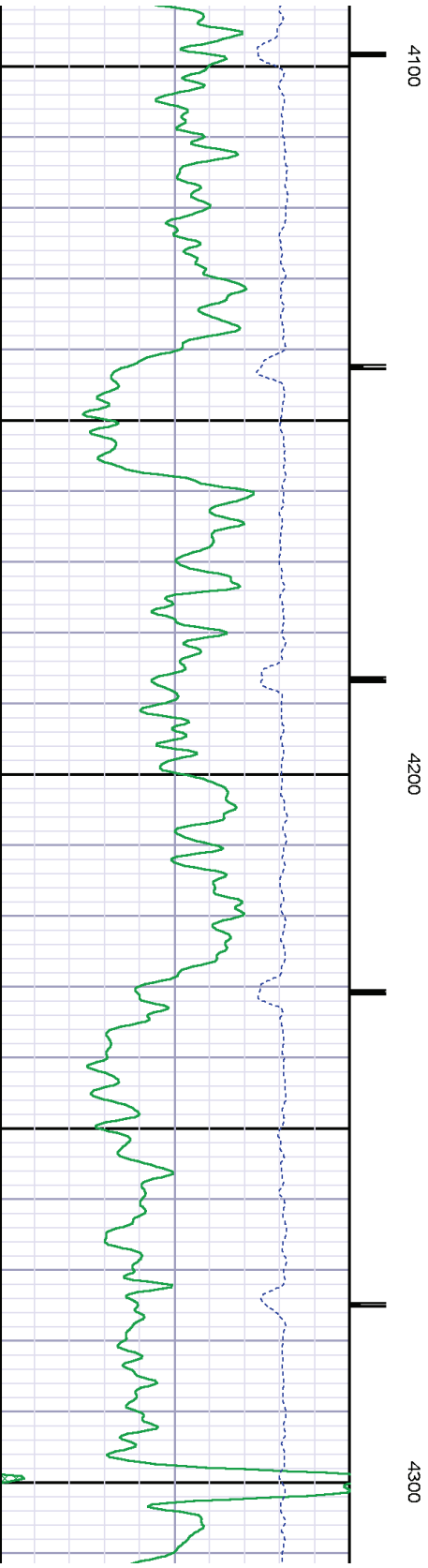
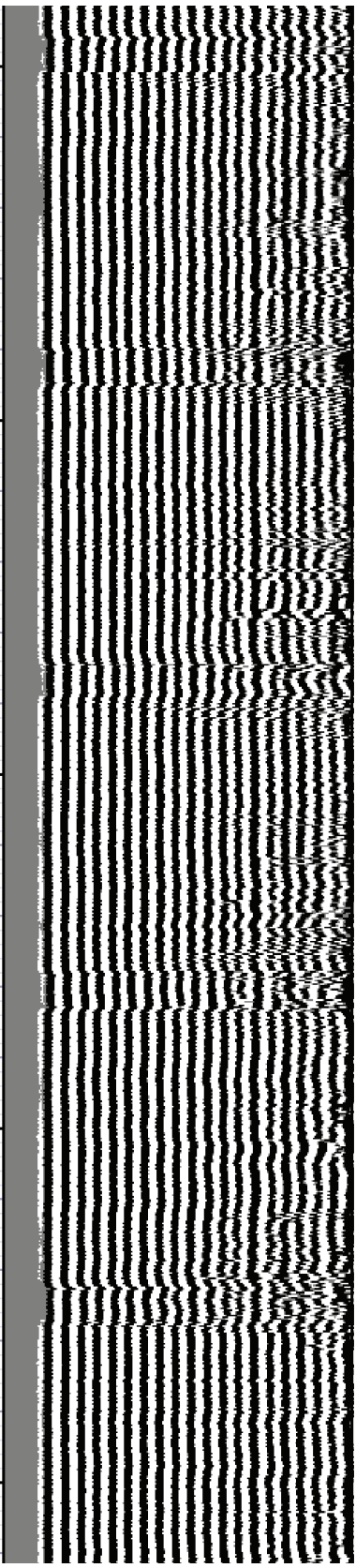


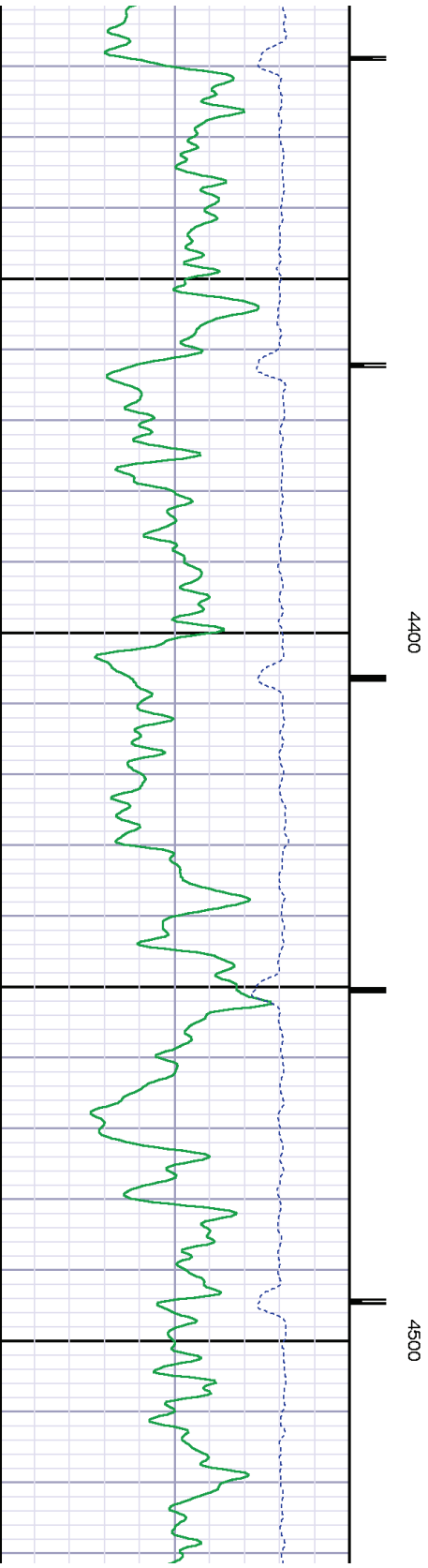
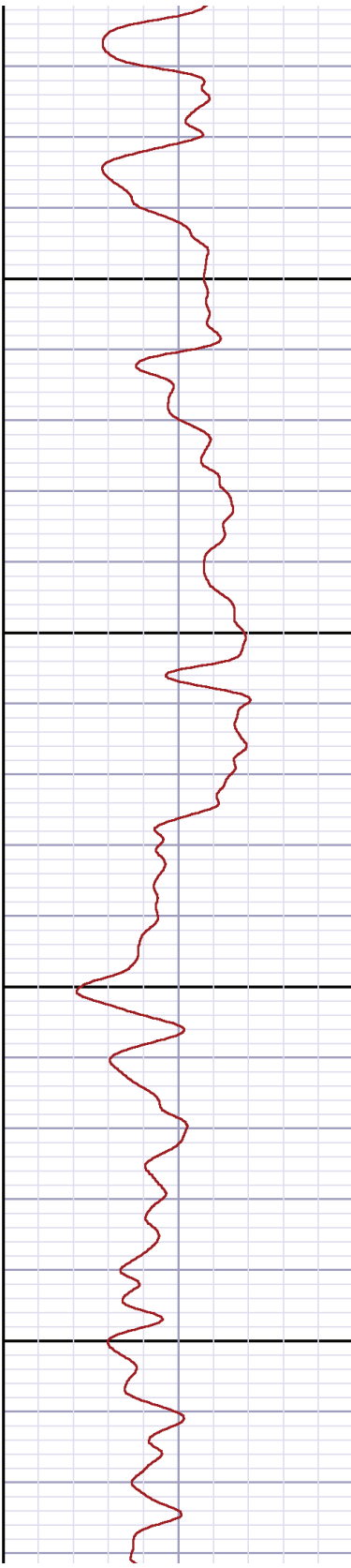
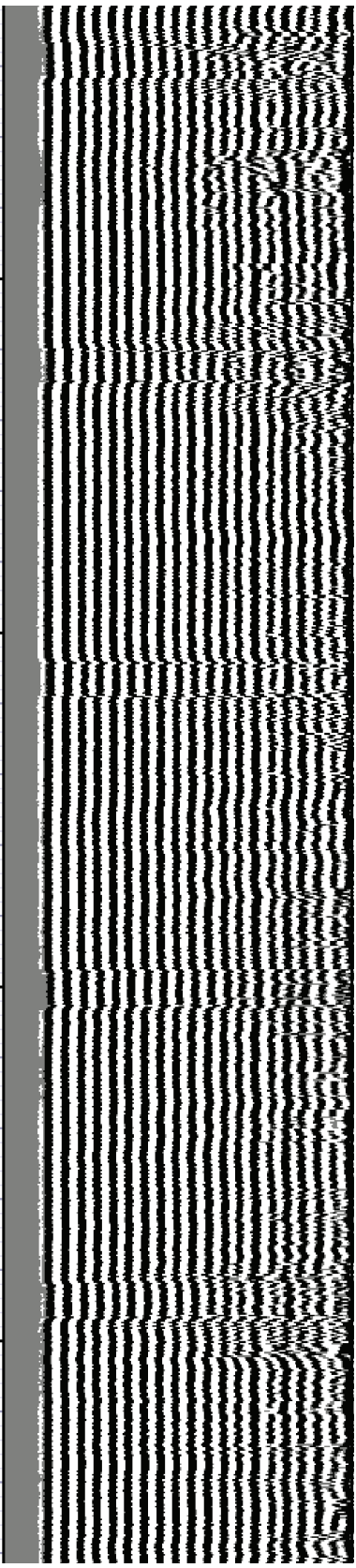


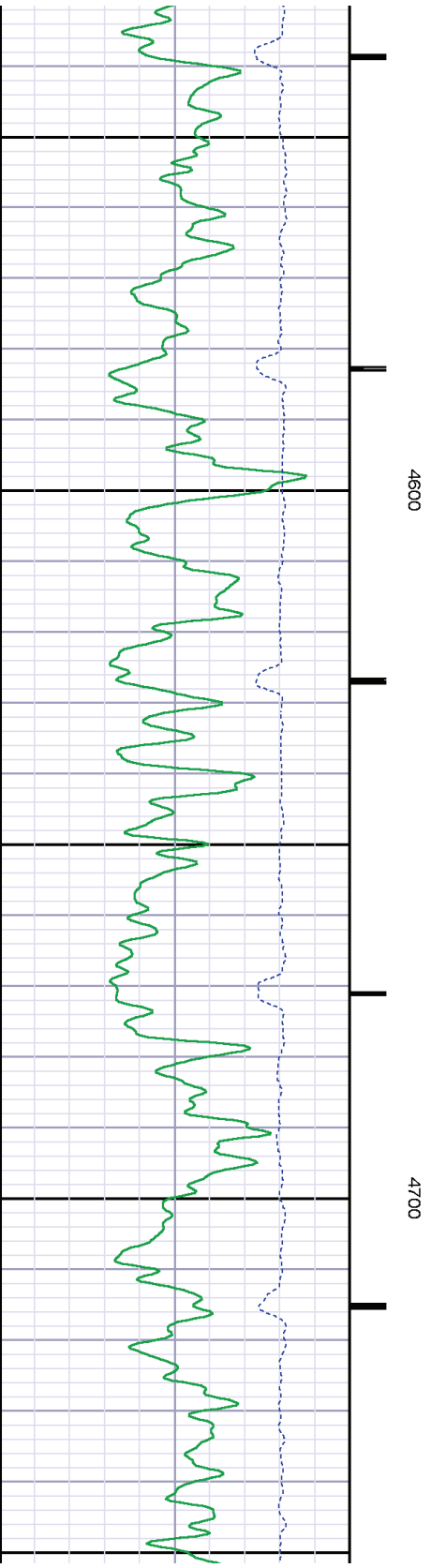
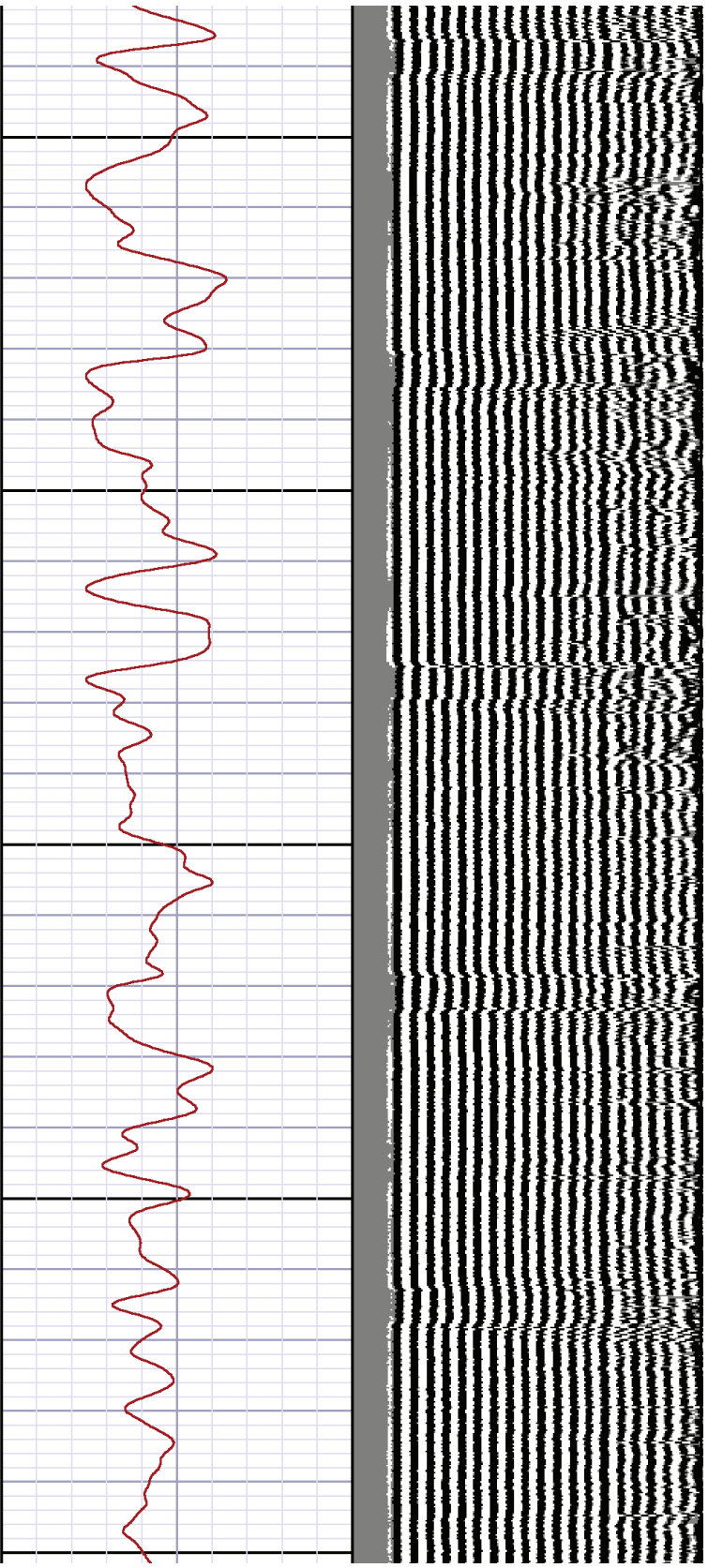


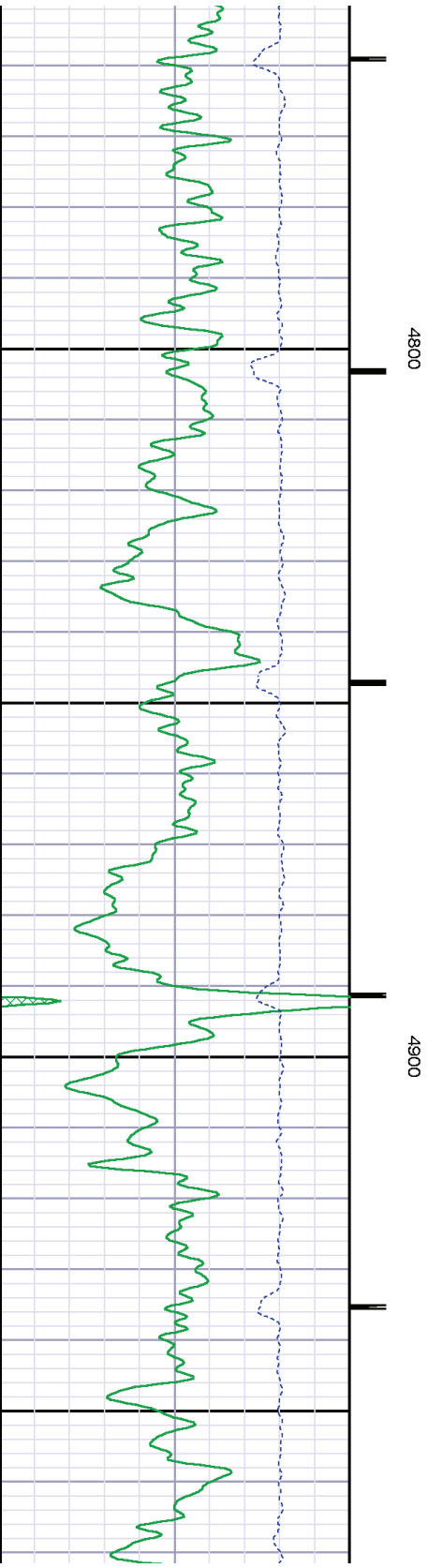
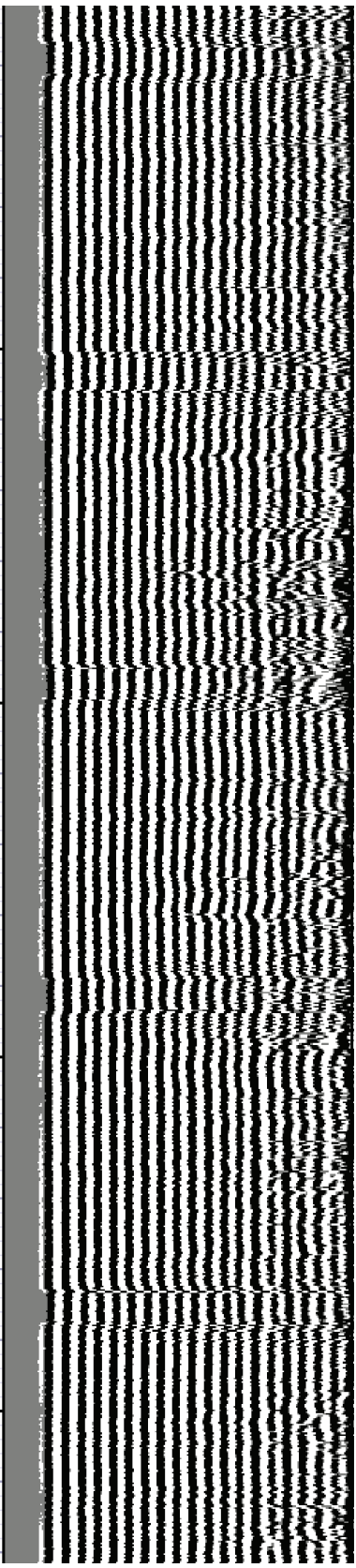


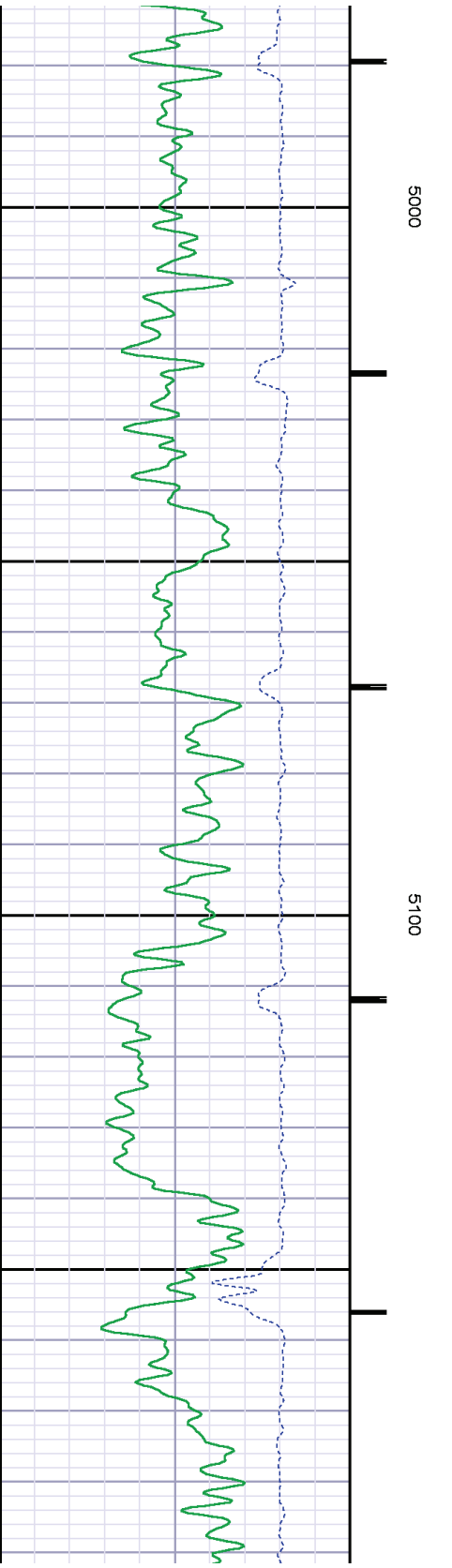
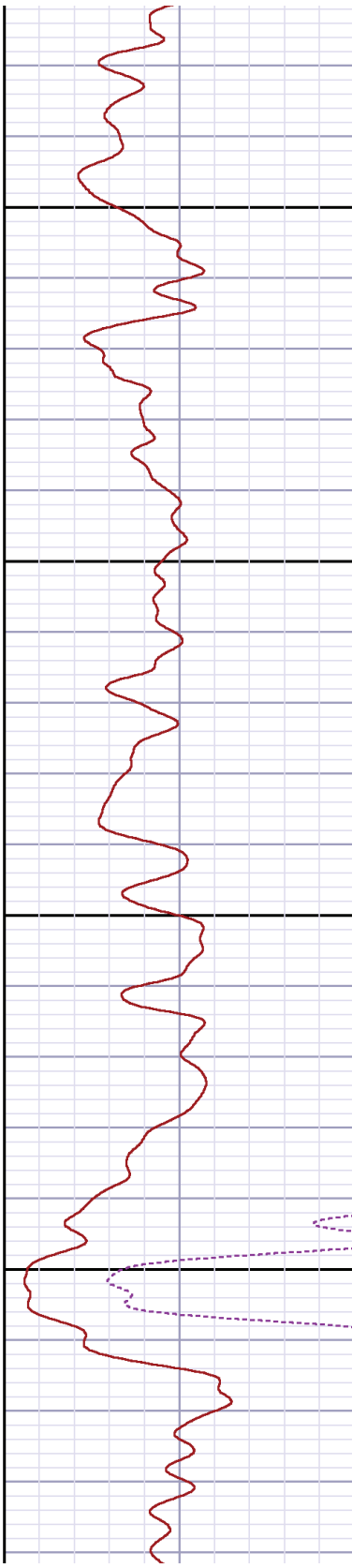
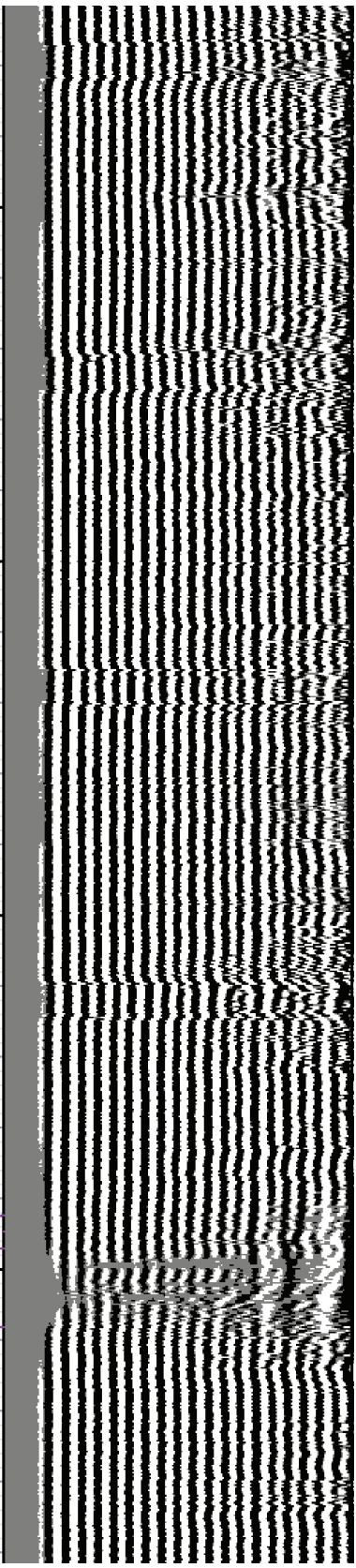


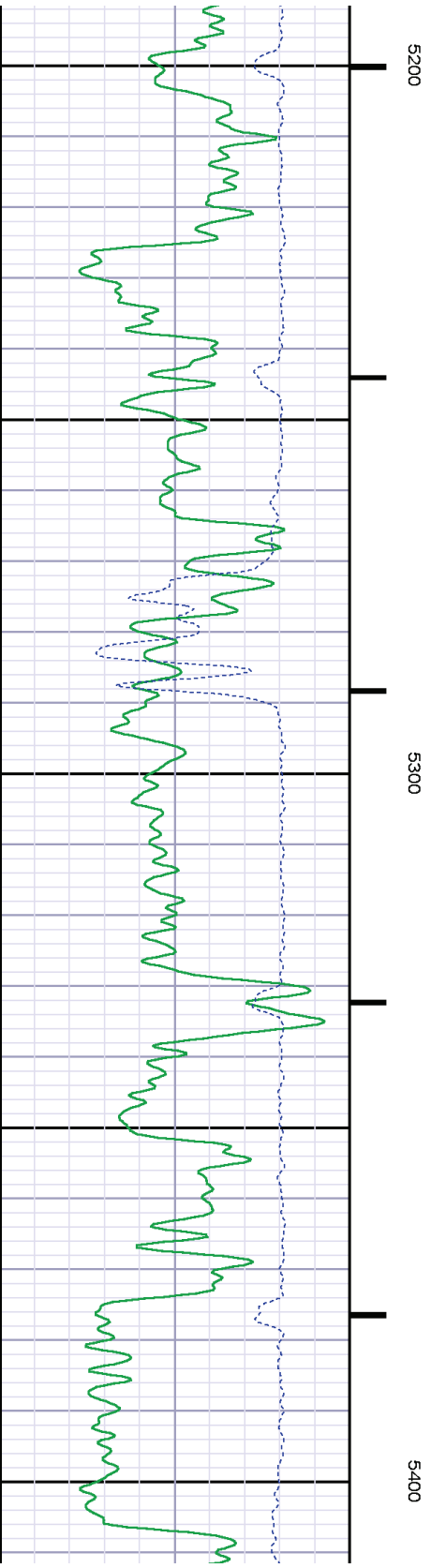
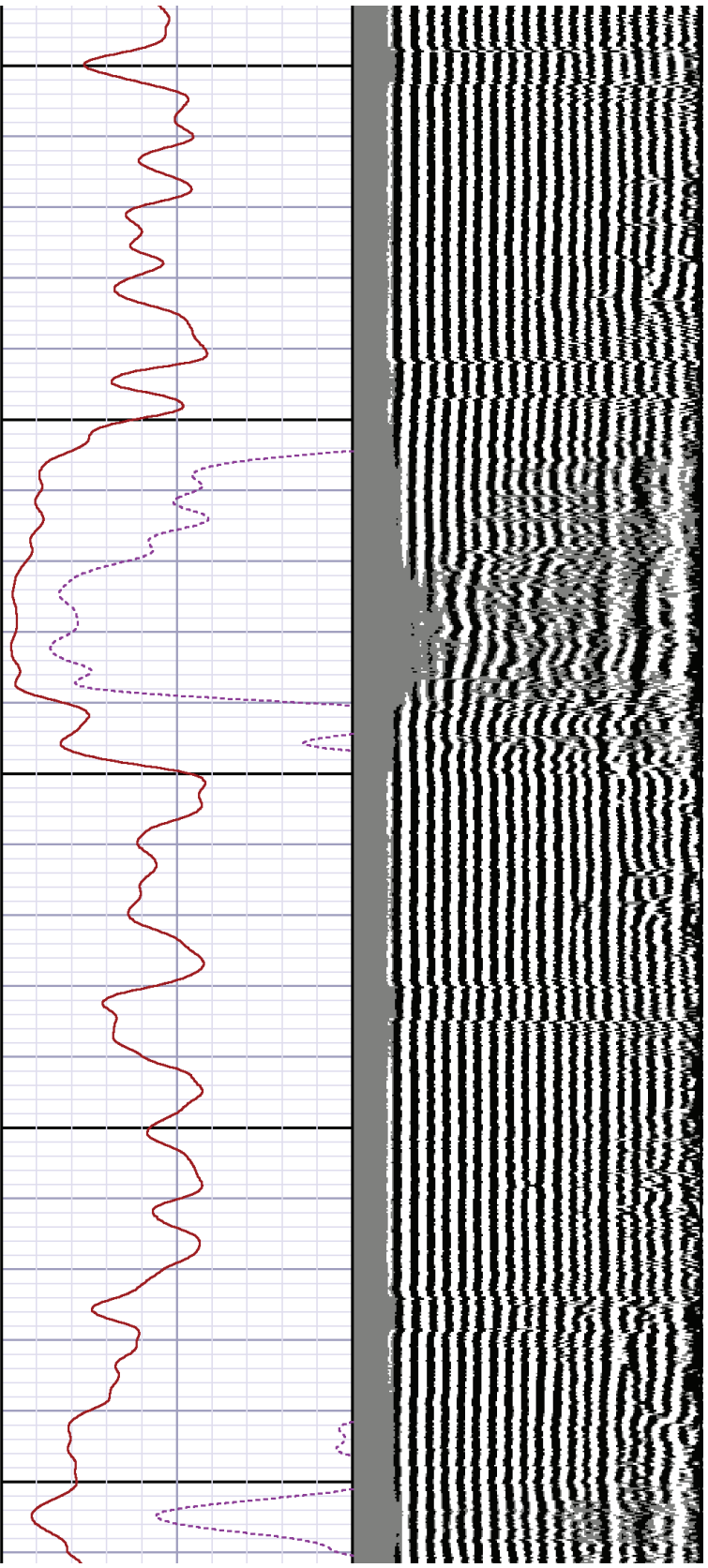


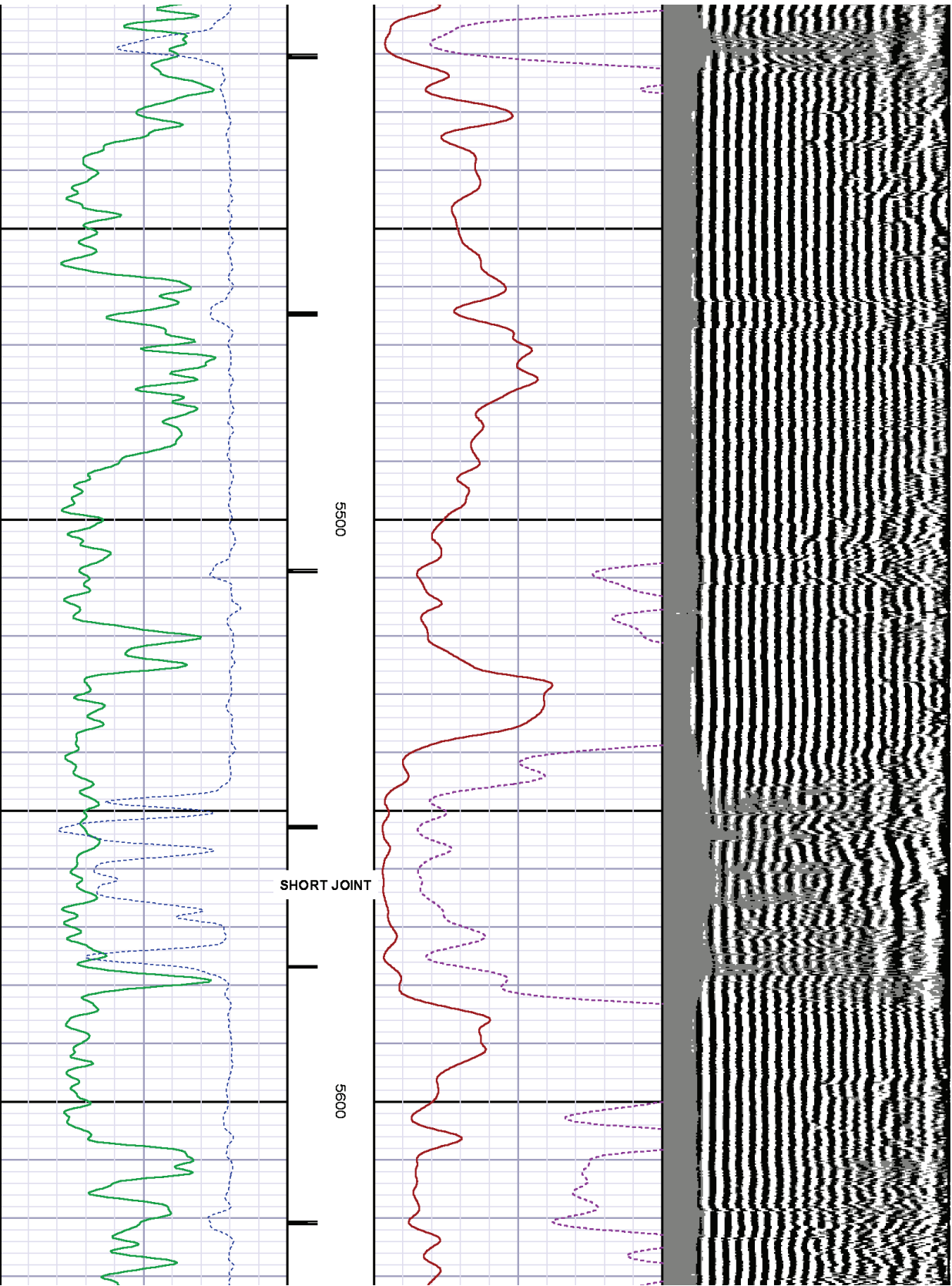


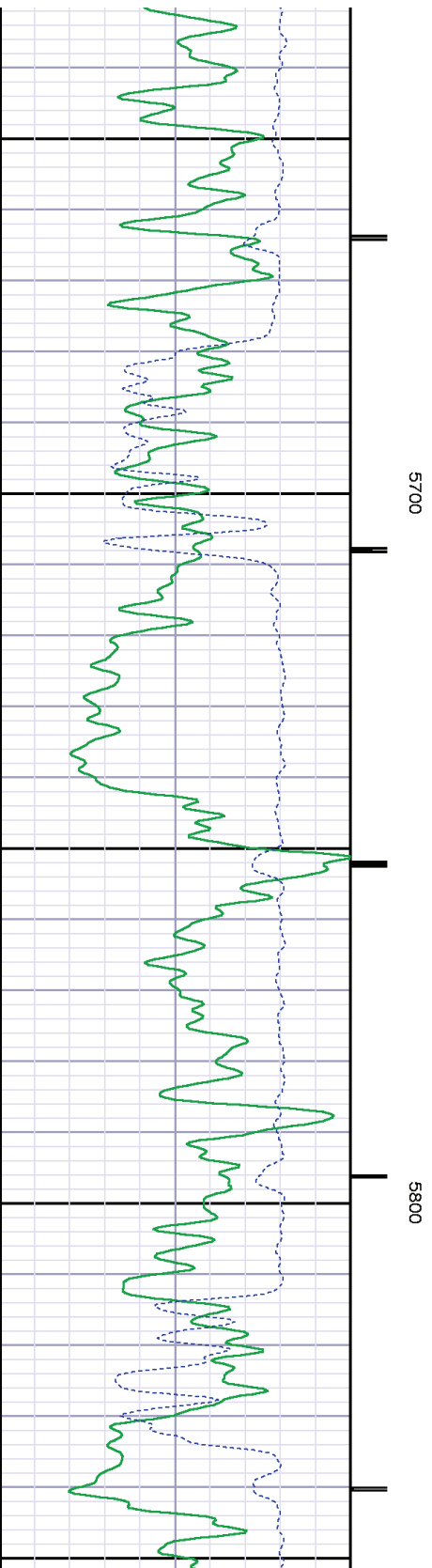
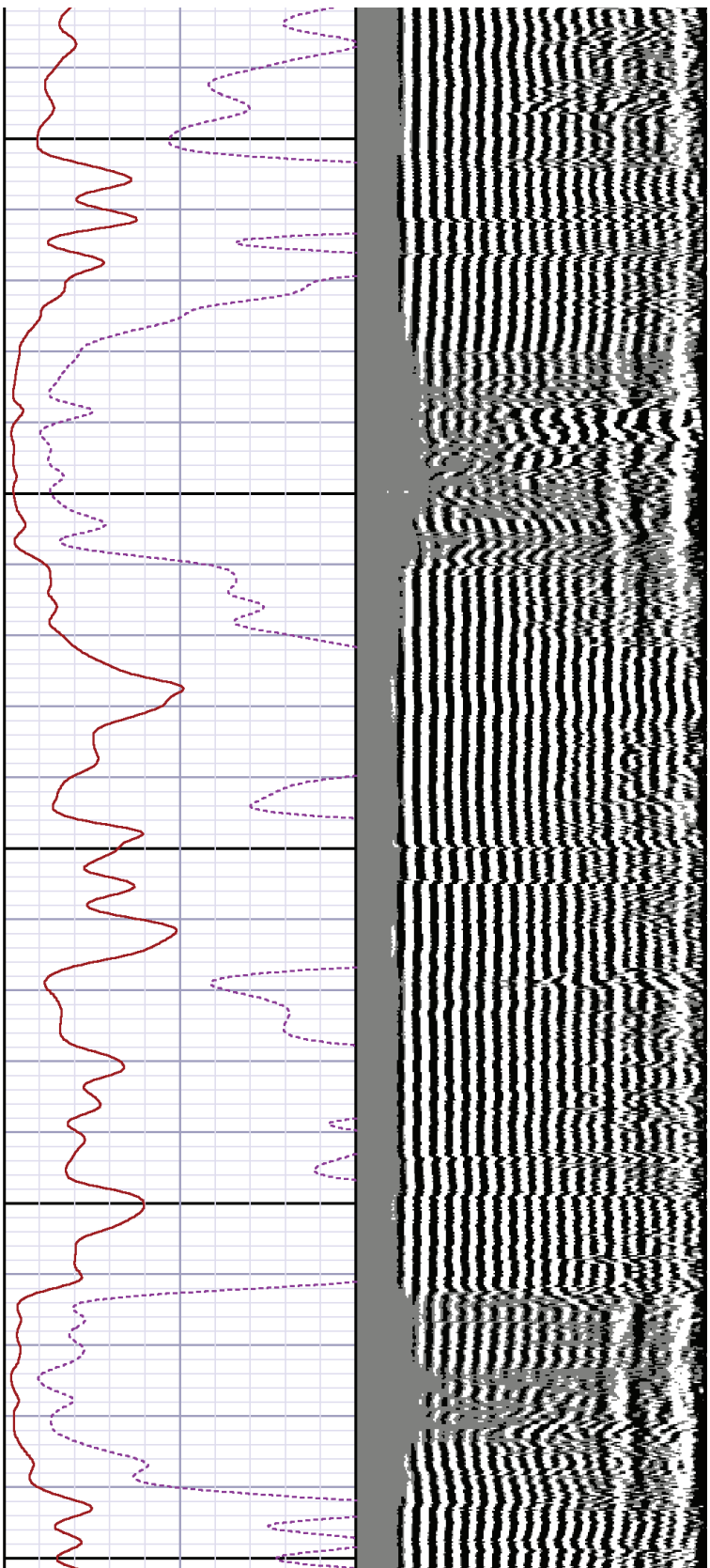


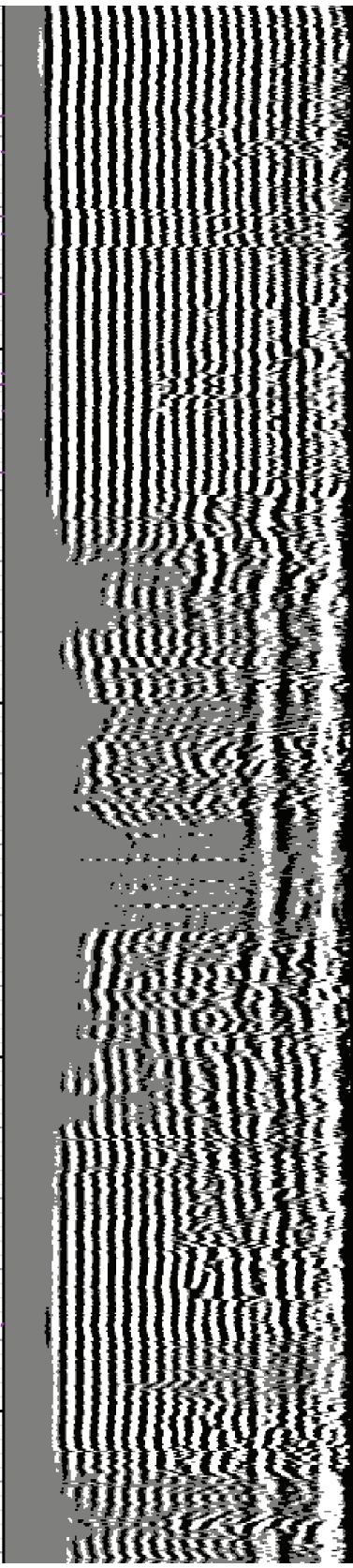
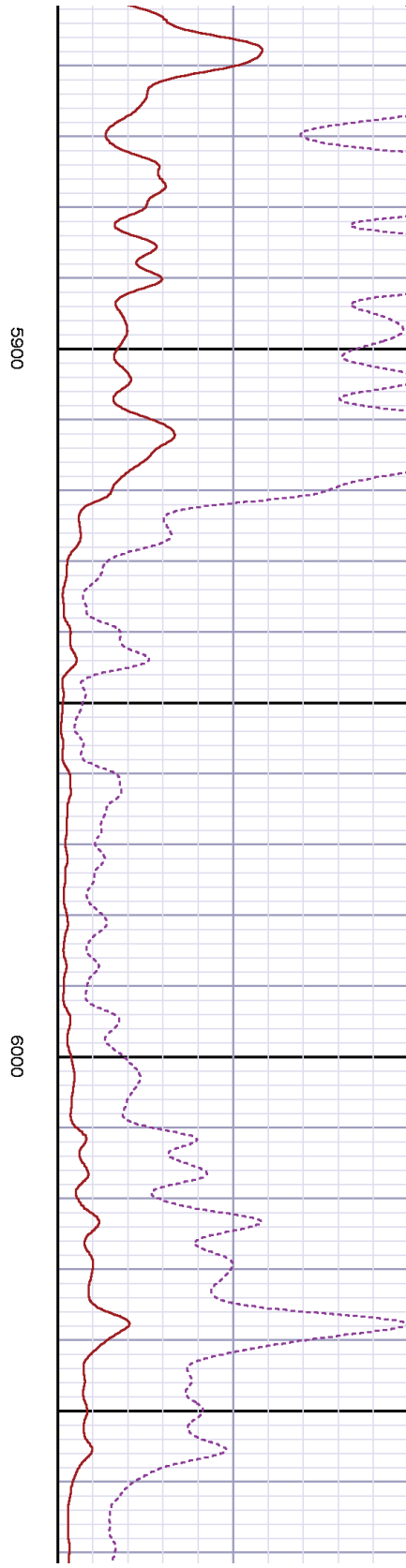
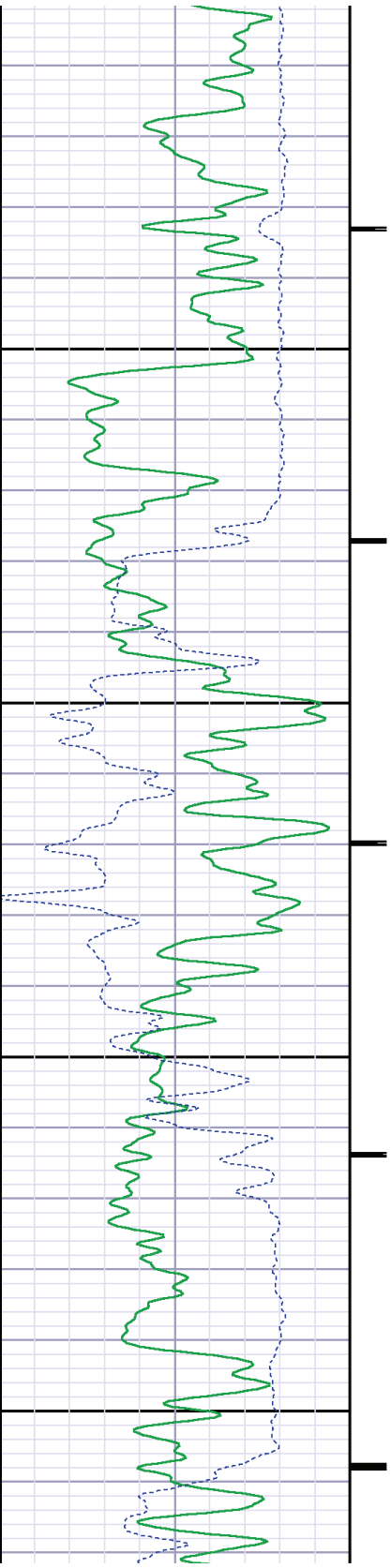


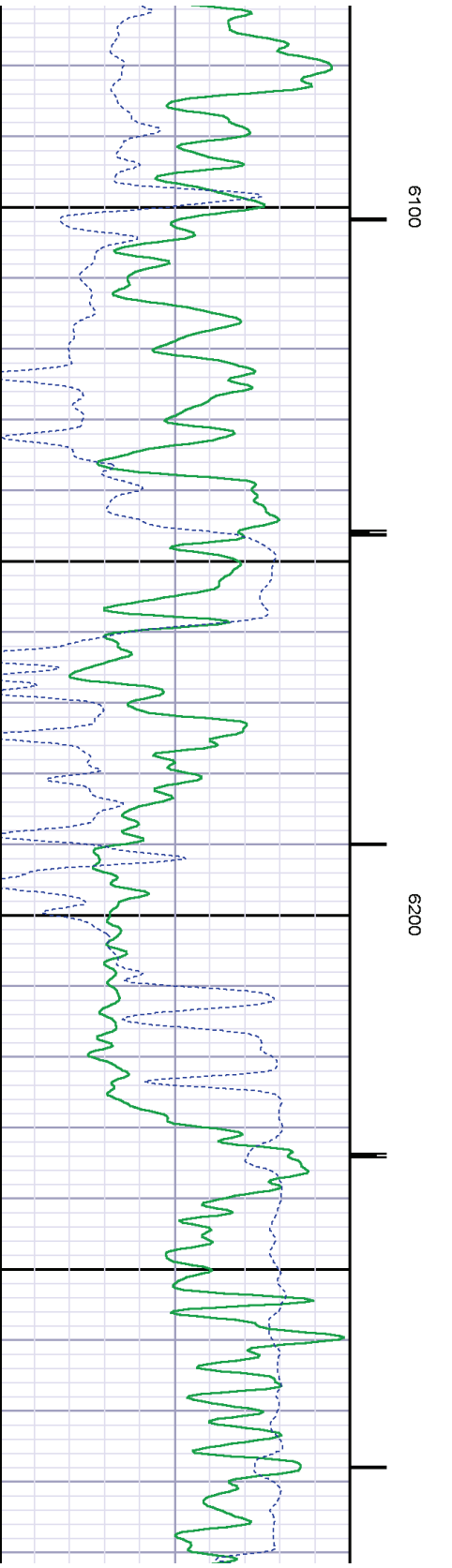
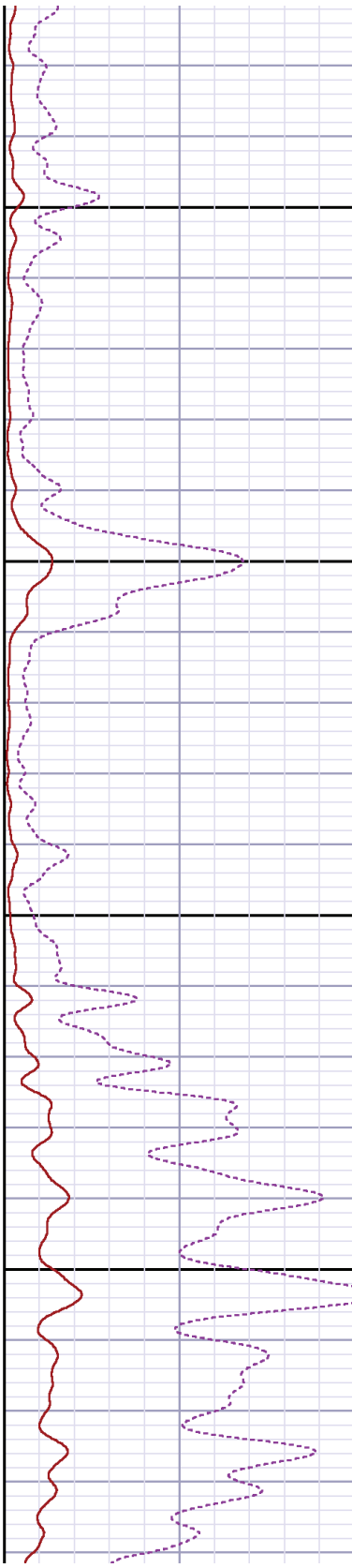
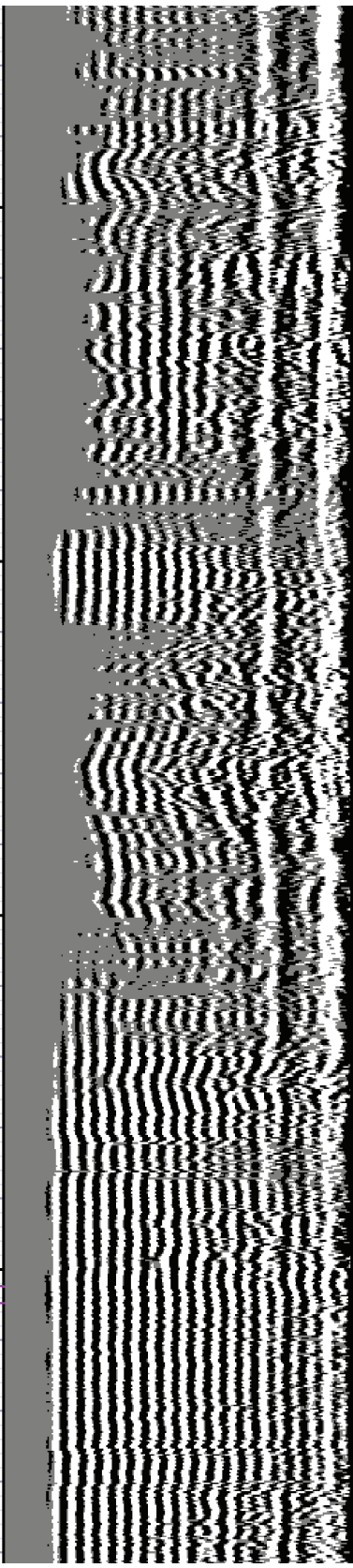


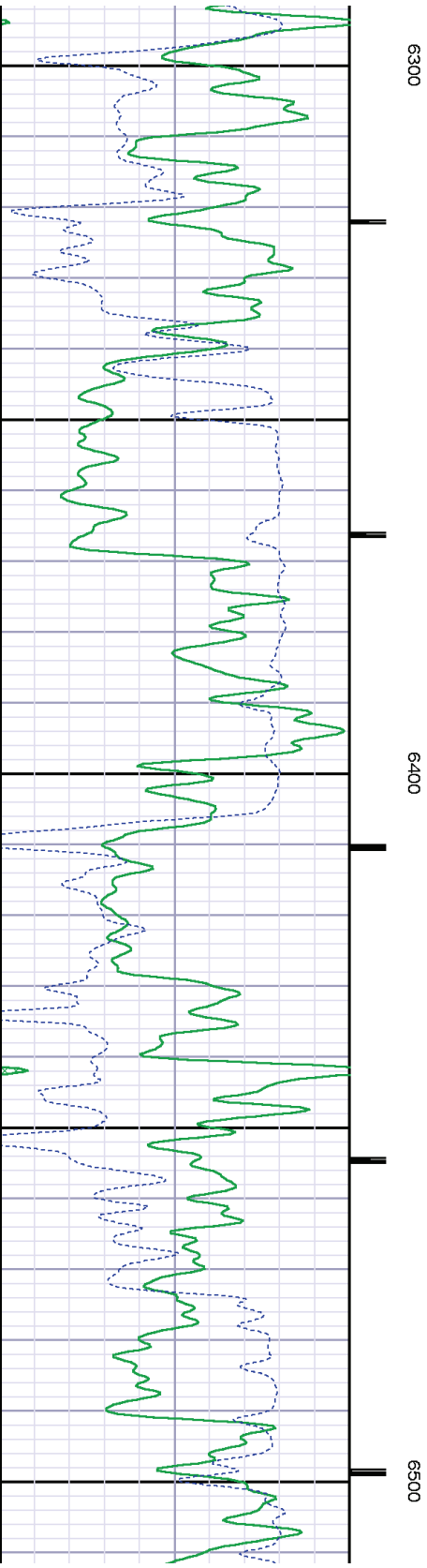
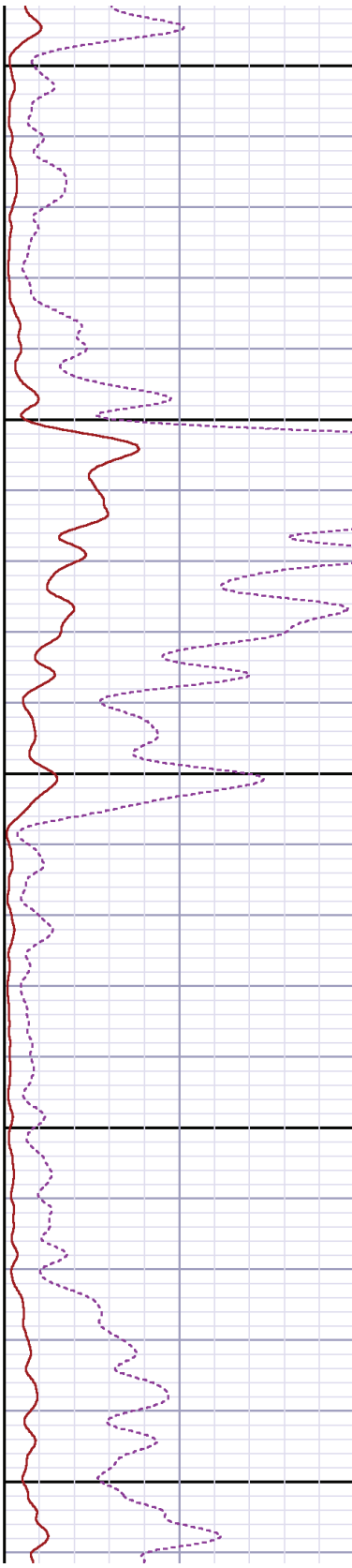
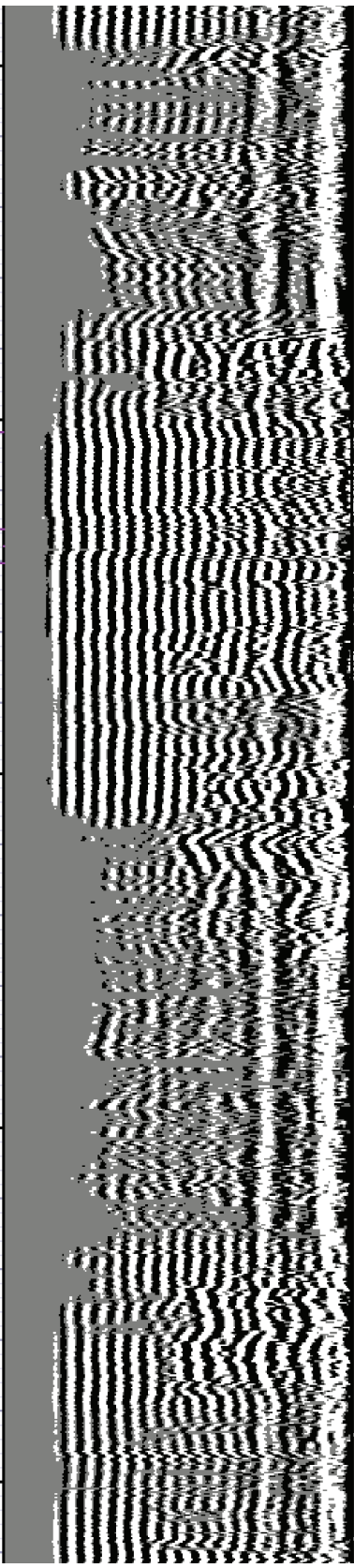


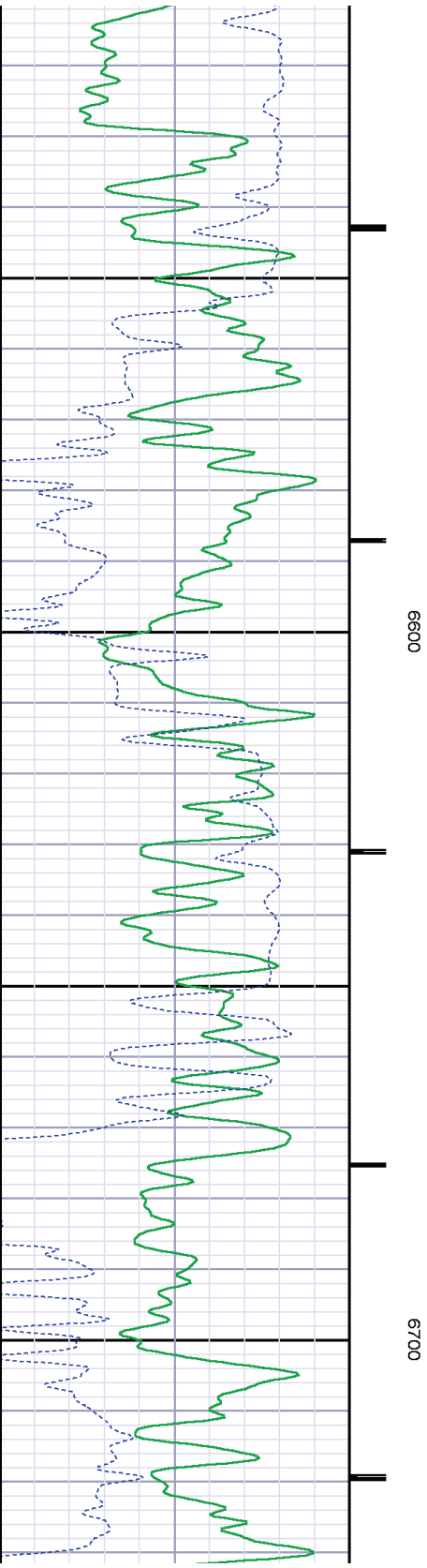
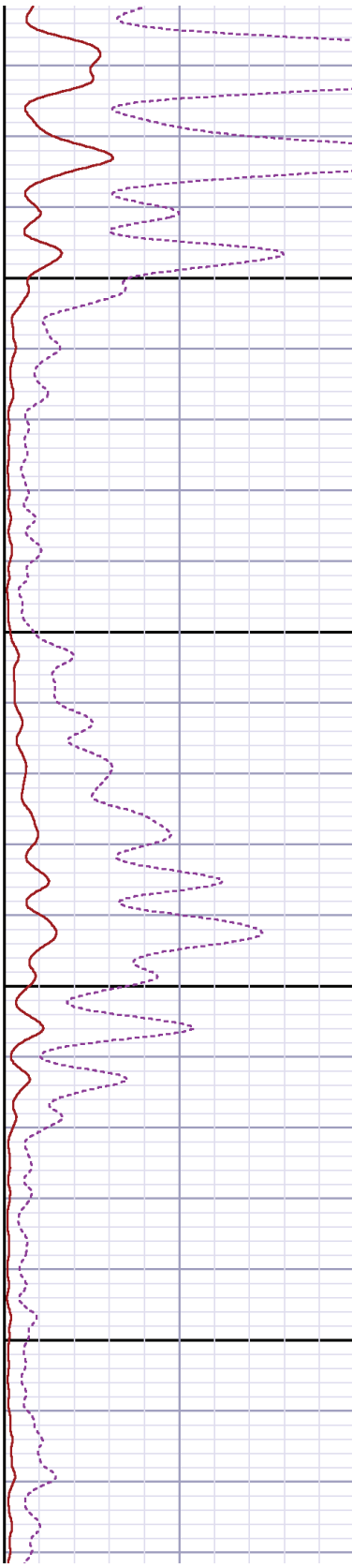
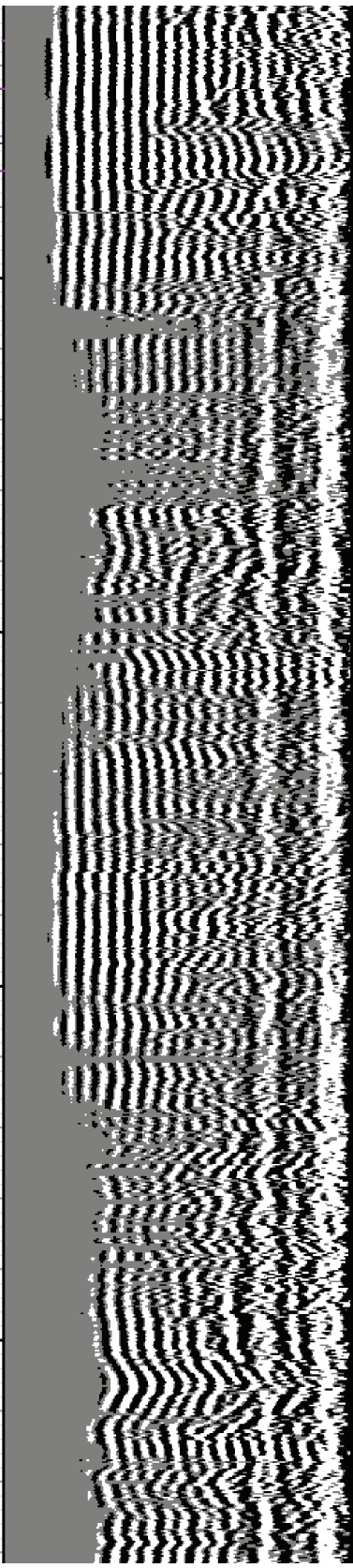


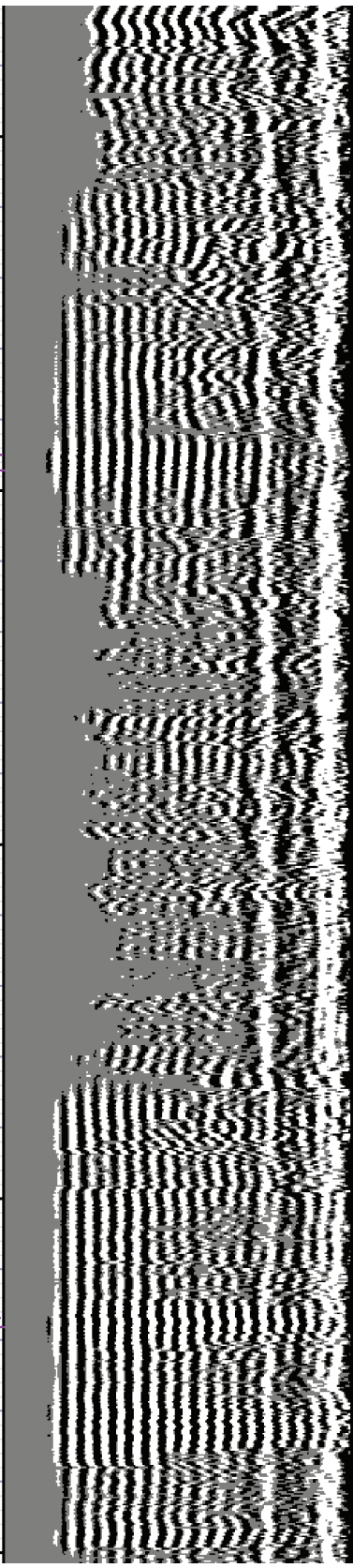
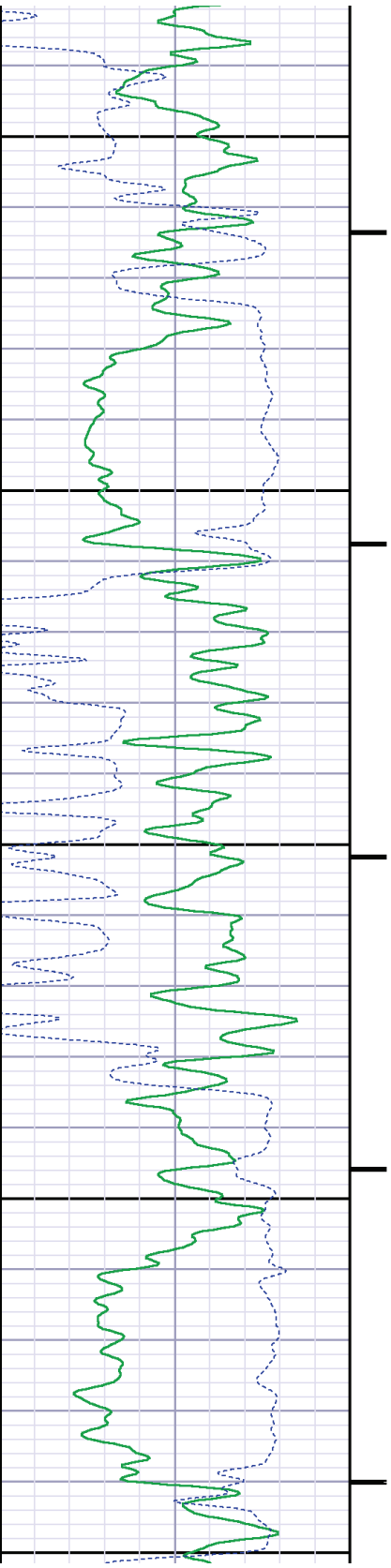


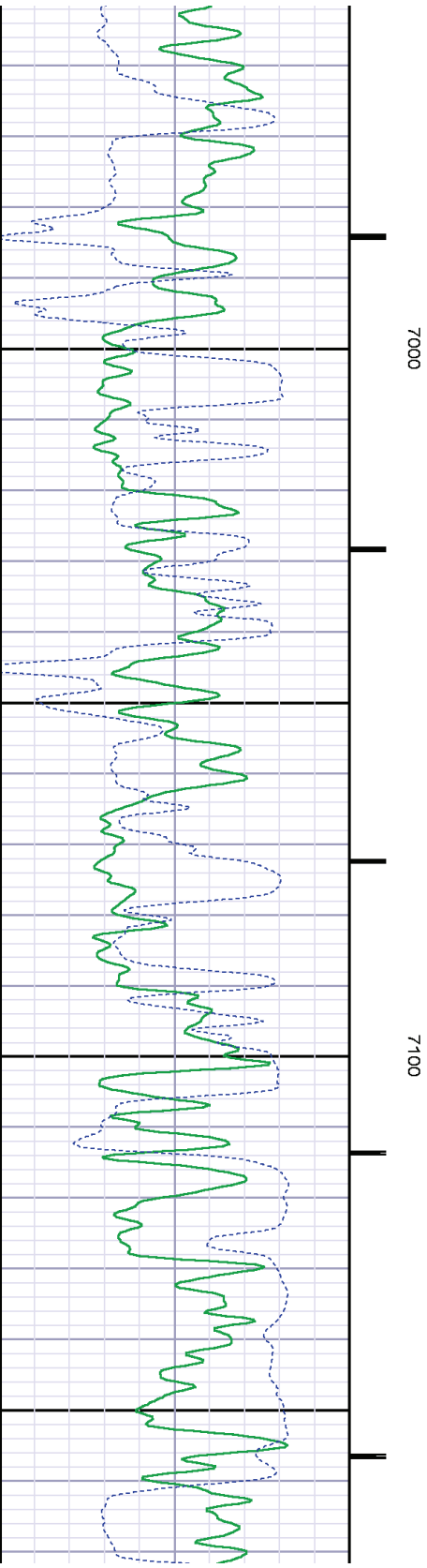
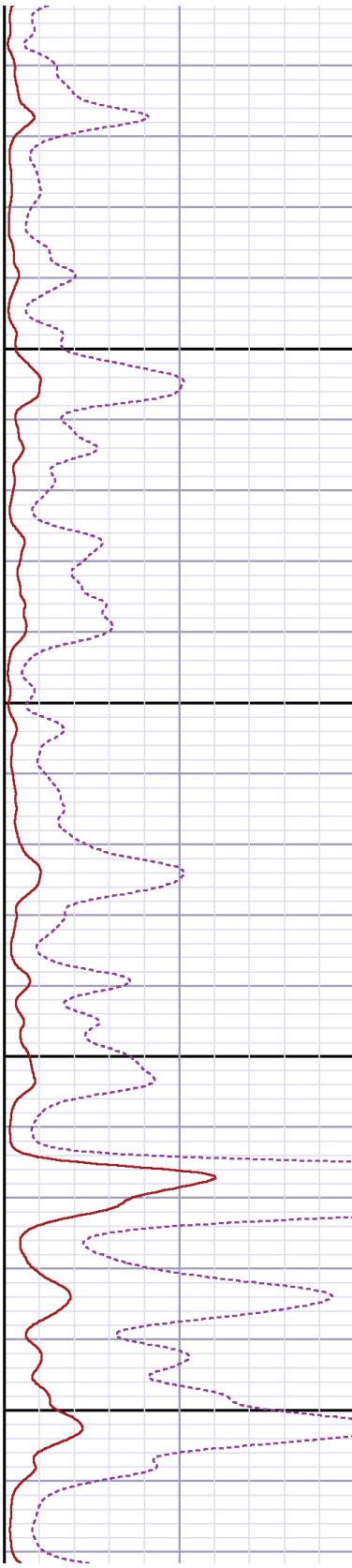
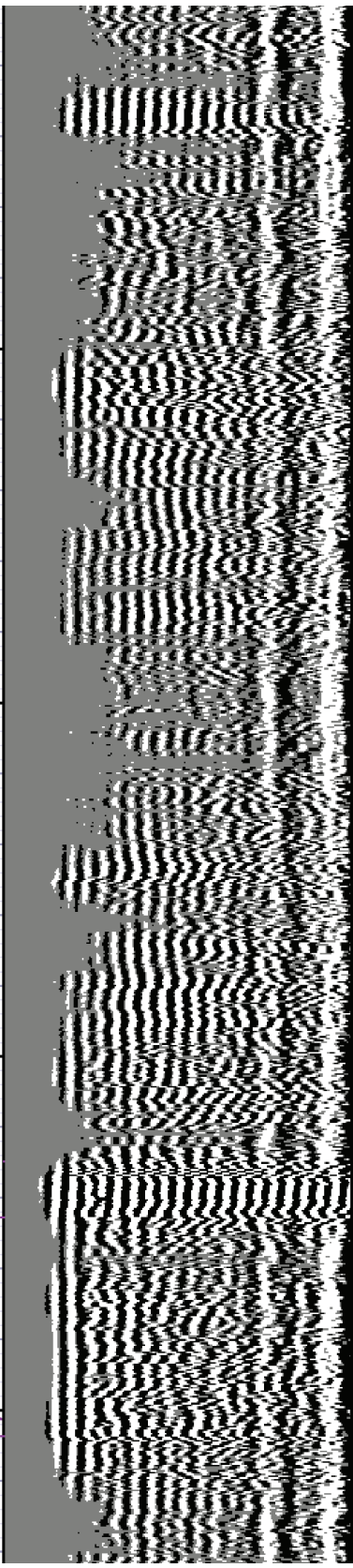


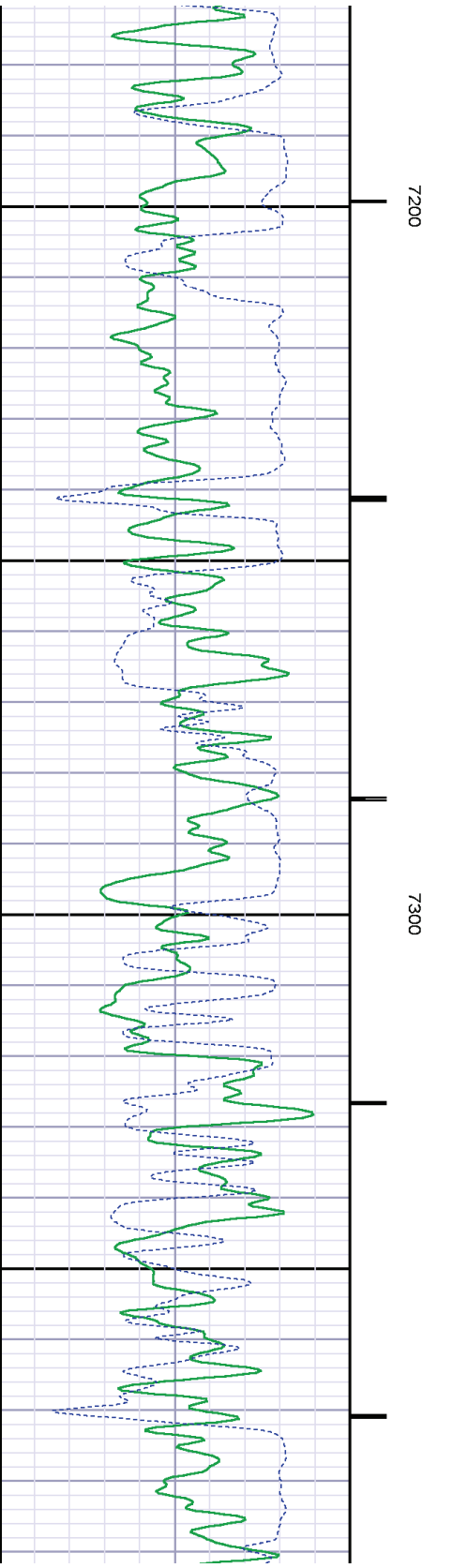
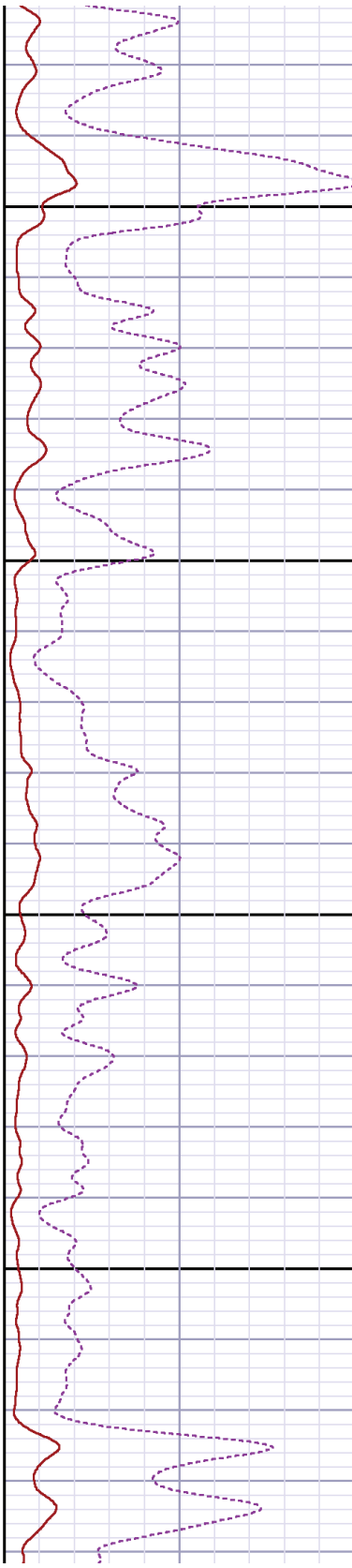
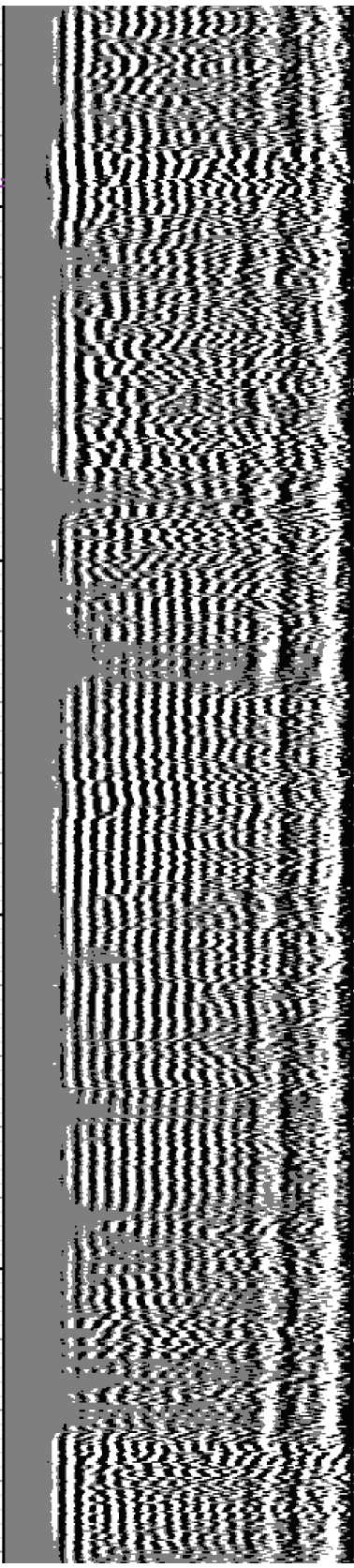


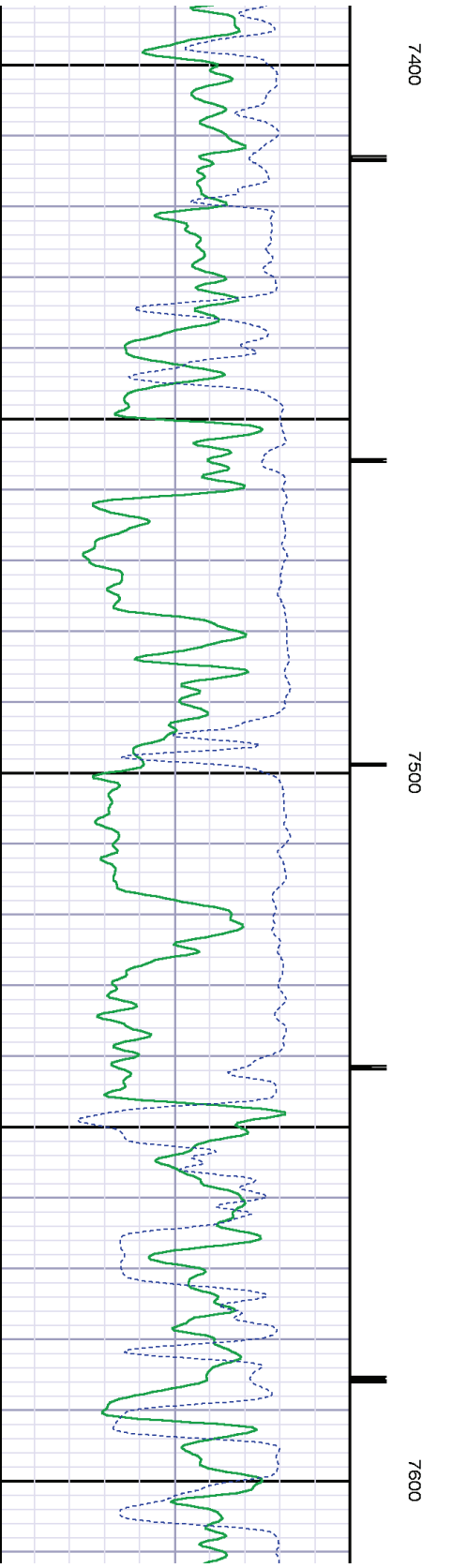
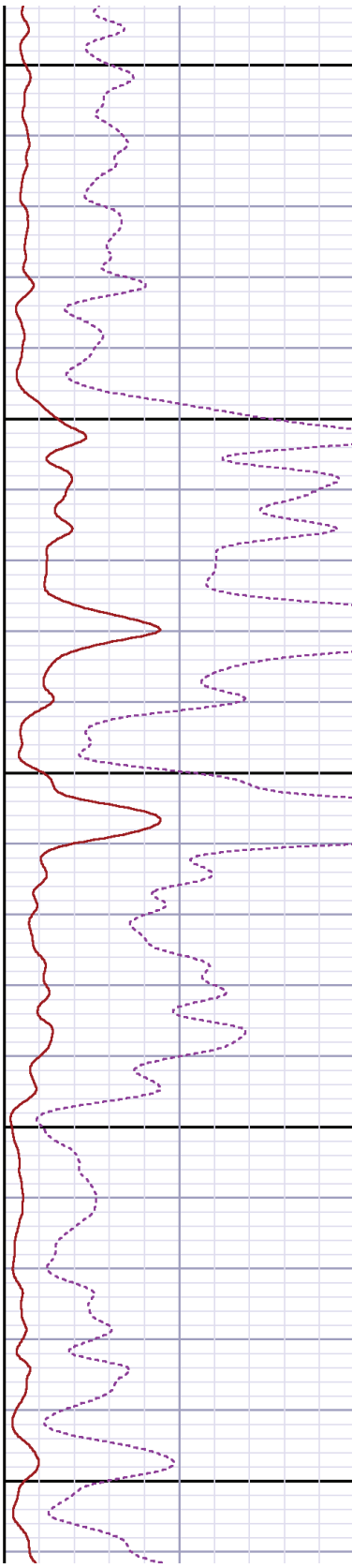
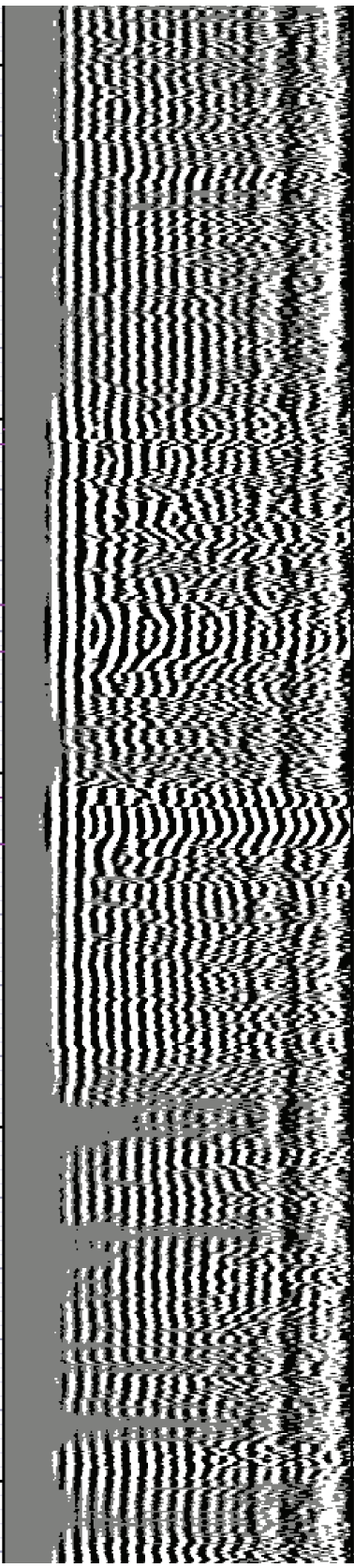


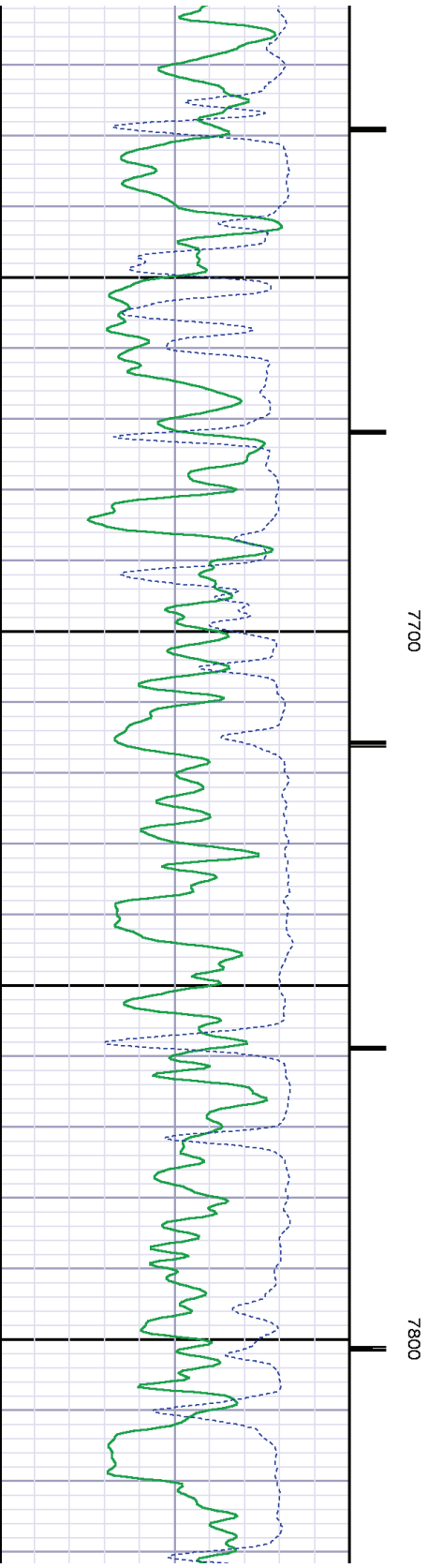
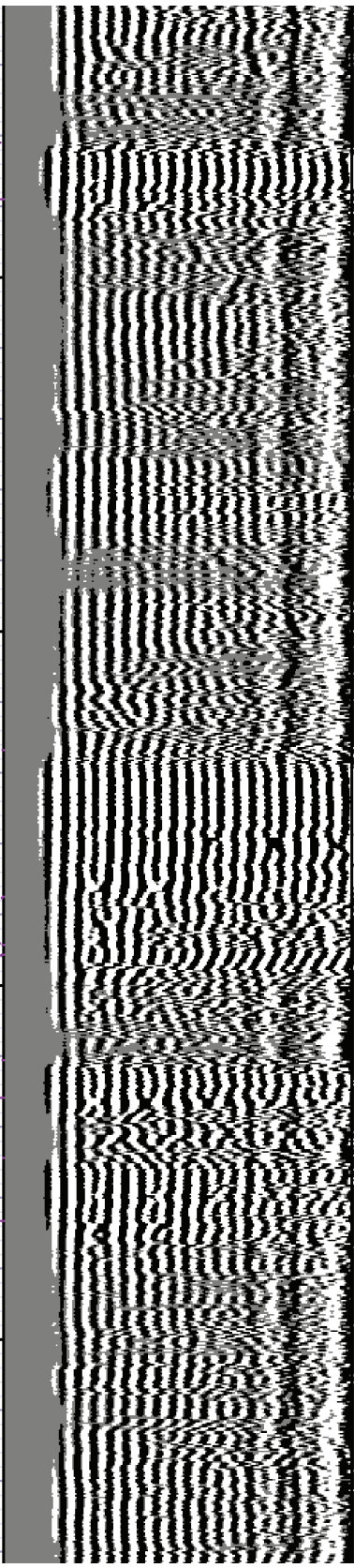


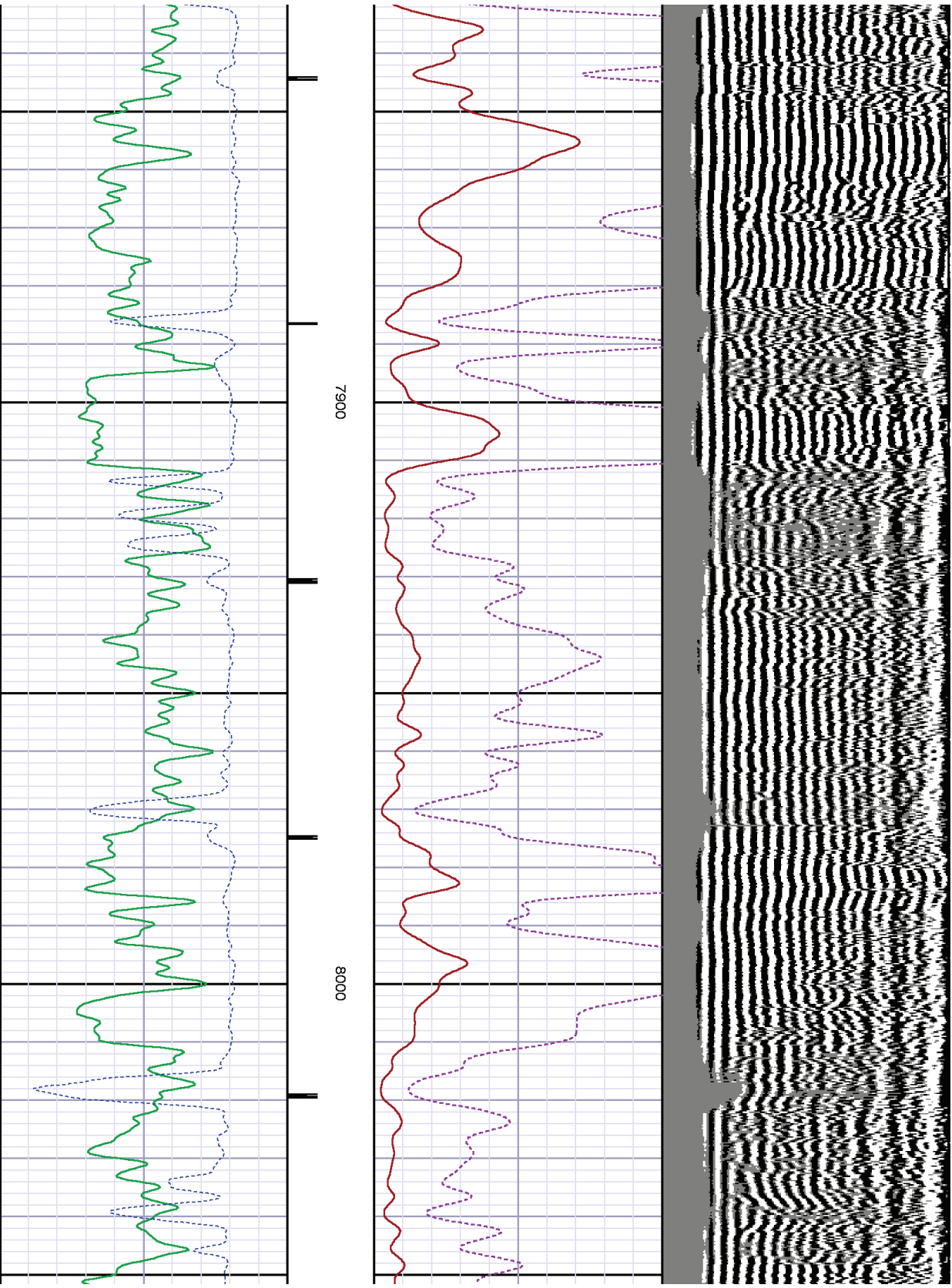


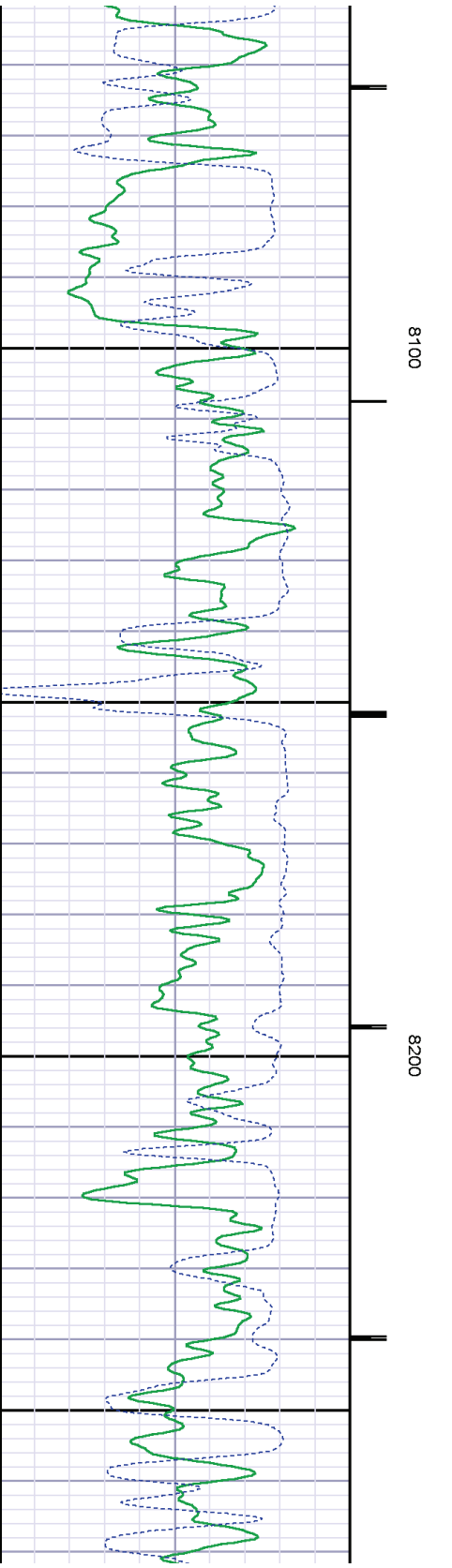
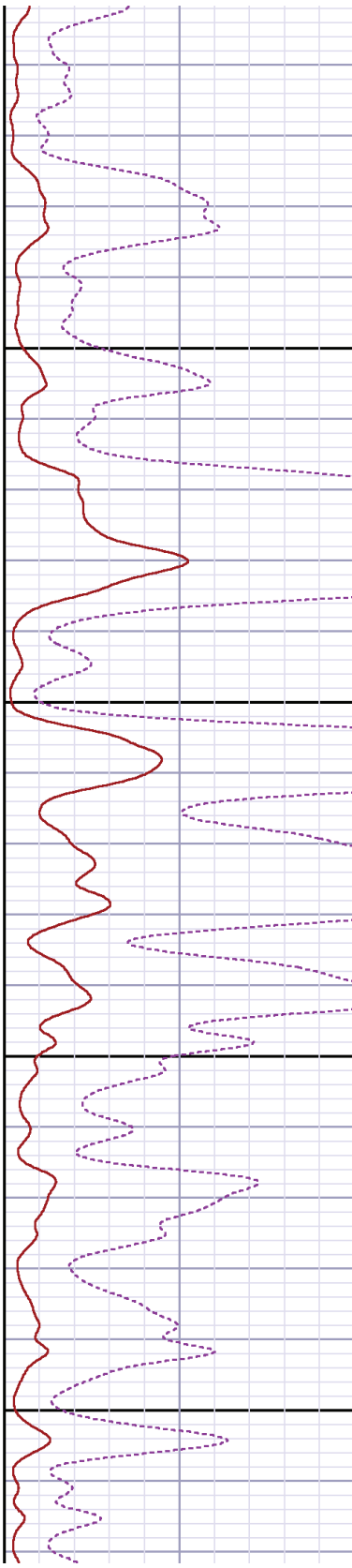
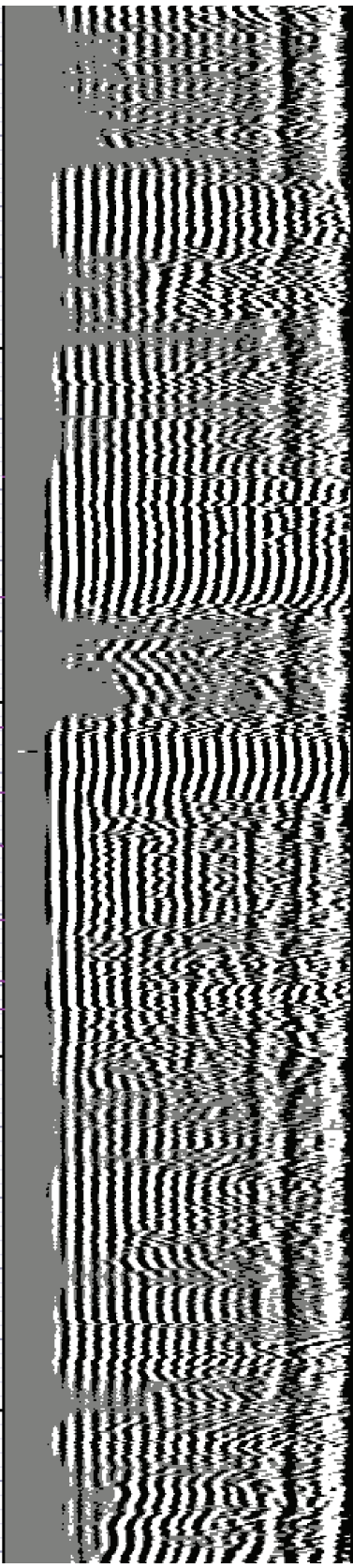


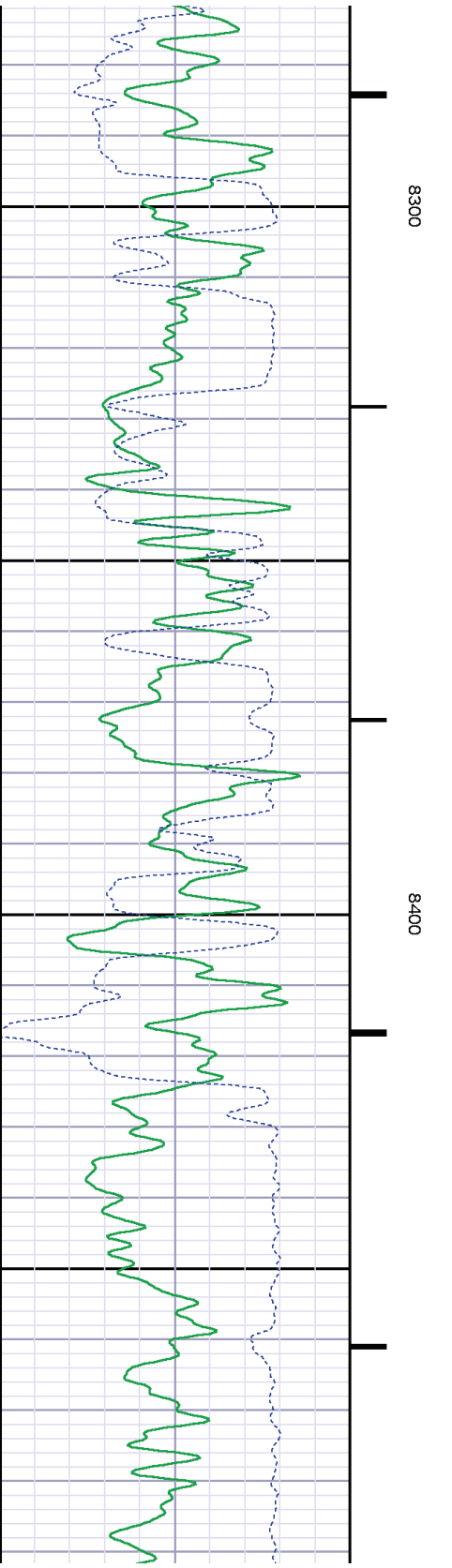
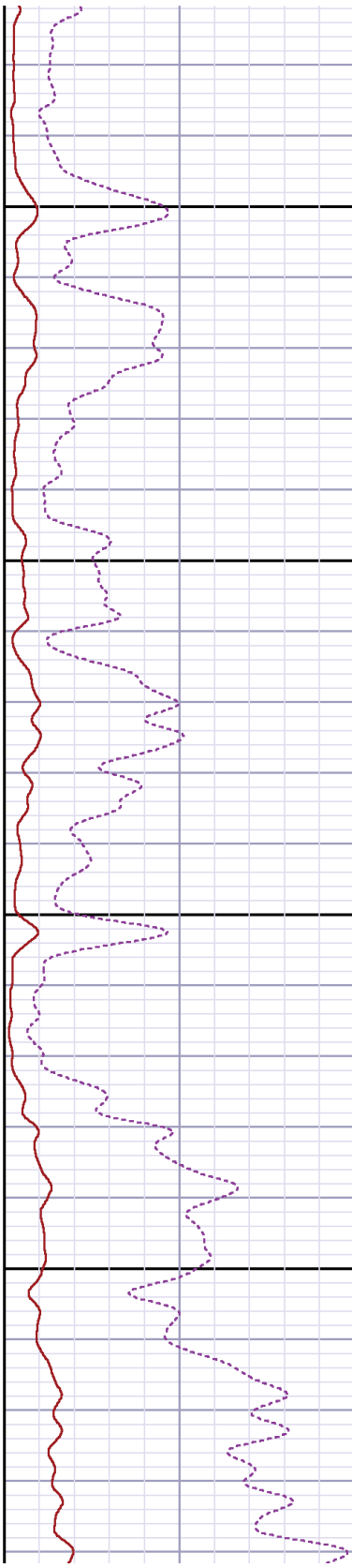
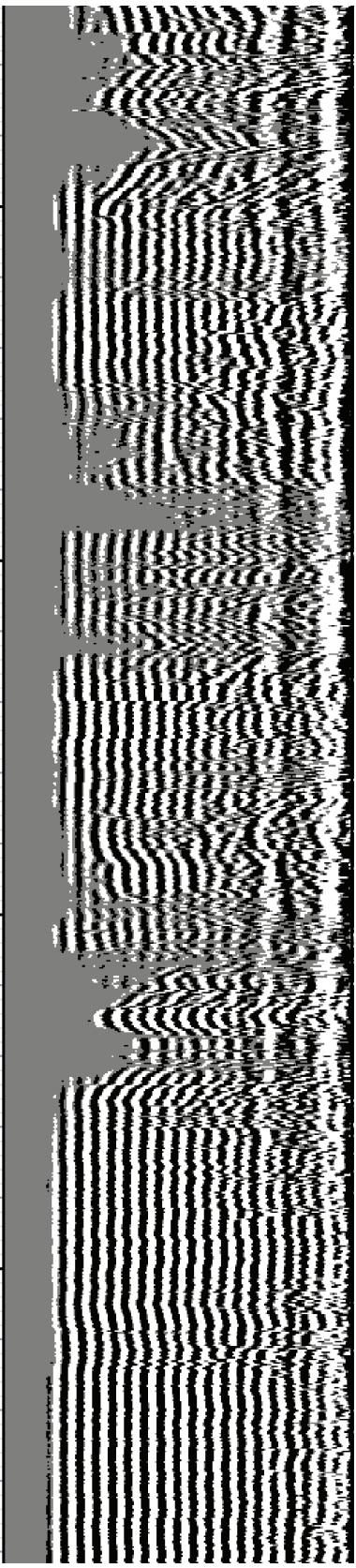


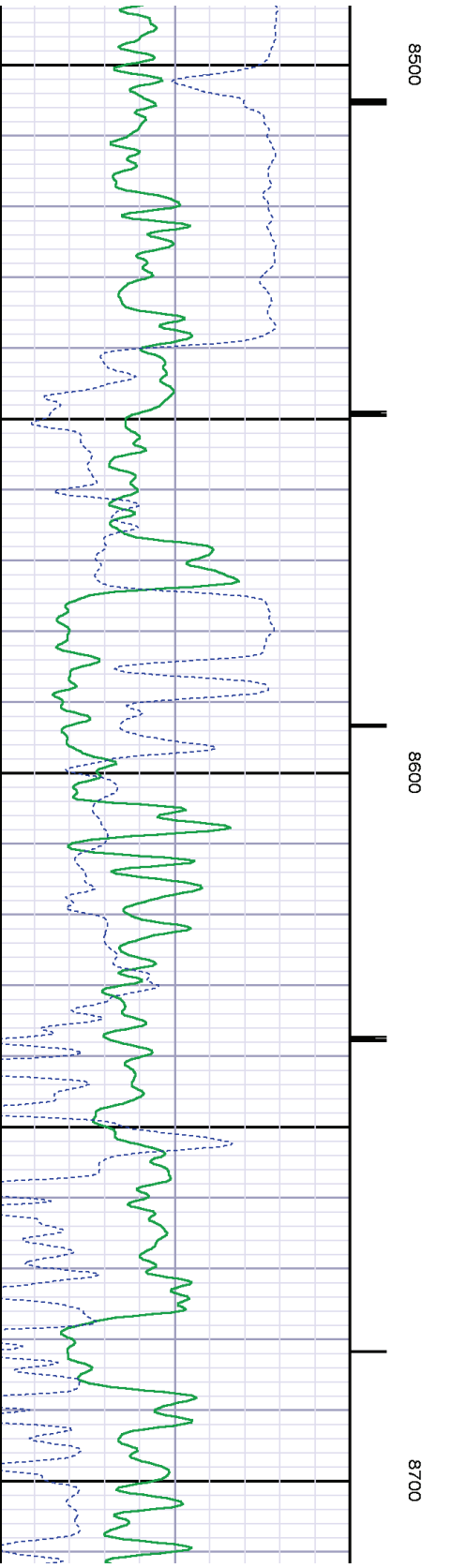
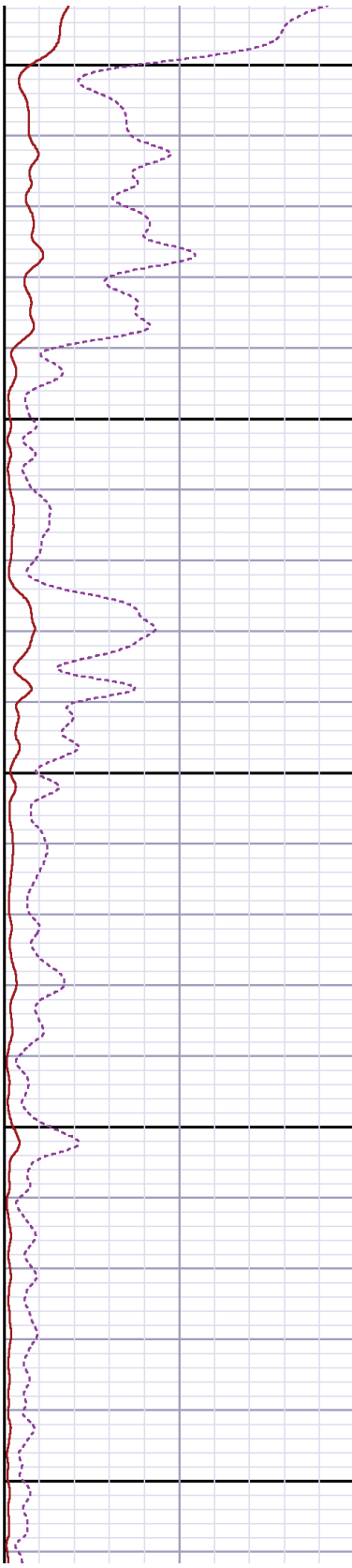
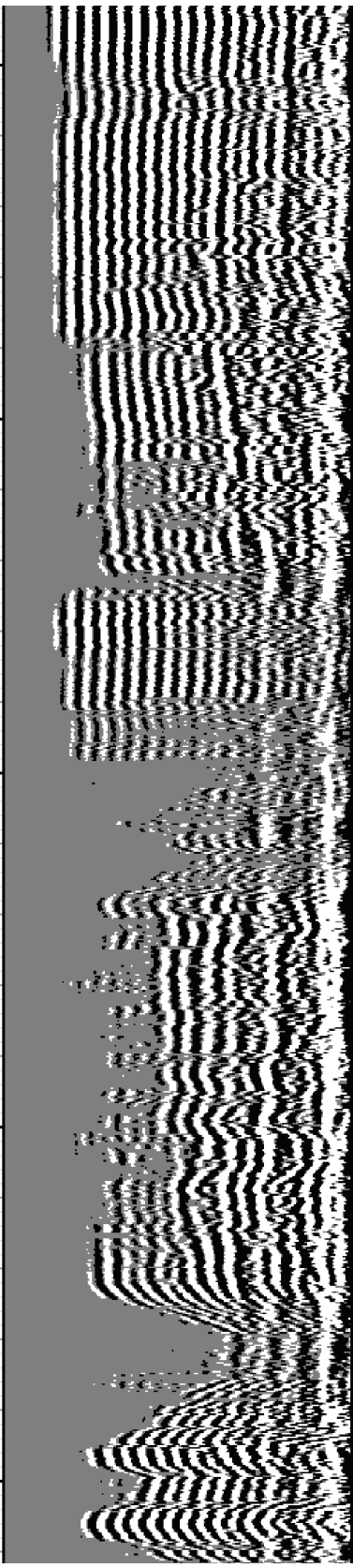


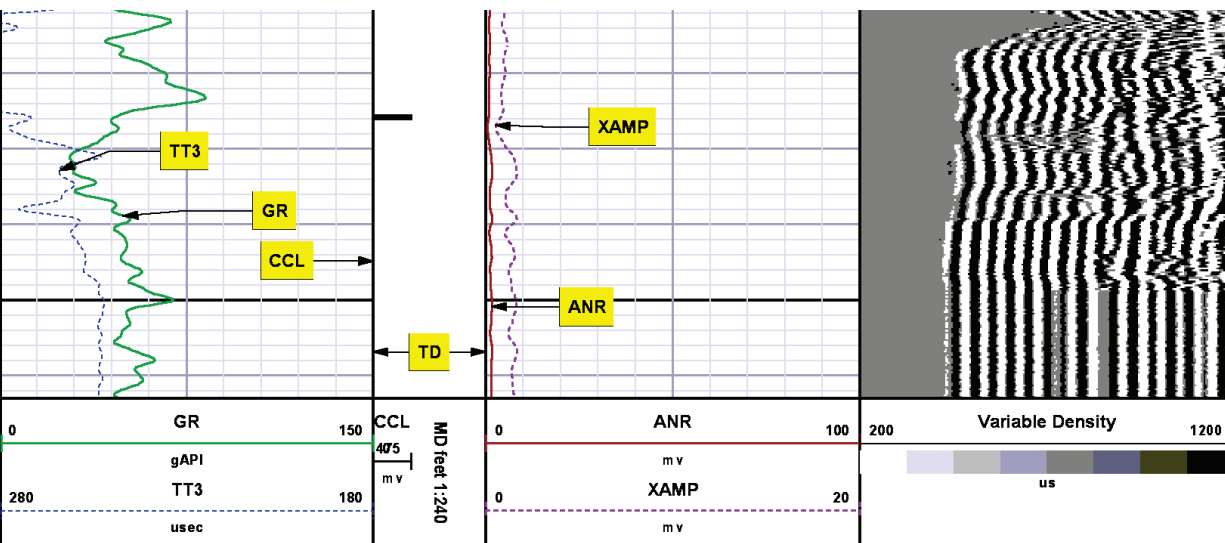












SECONDARY PRESENTATION O PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	30.155	8779.000
RAL	Amp Gate Start Near	195.000	usec	30.155	8779.000
RAL	Amp Gate Start Radial	195.000	usec	30.155	8779.000
RAL	Amp Gate Width Far	25.000	usec	30.155	8779.000
RAL	Amp Gate Width Near	25.000	usec	30.155	8779.000
RAL	Amp Gate Width Radial	25.000	usec	30.155	8779.000
RAL	casing od	4.500	inches	30.155	8779.000
RAL	casing wt	11.600	lbm/ft	30.155	8779.000
RAL	FB Start Far	291.900	usec	30.155	8779.000
RAL	FB Start Near	175.391	usec	30.155	8779.000
RAL	FB Start Radial	175.391	usec	30.155	8779.000
RAL	FB Thresh Far	10.000	mV	30.155	8779.000
RAL	FB Thresh Near	4.000	mV	30.155	8779.000
RAL	FB Thresh Radial	4.000	mV	30.155	8779.000
RAL	Fluid Travel Time	200.000	usec/ft	30.155	8778.999