



# RADIAL ANALYSIS BOND LOG

## Baker Atlas

File No.: CH050686	Company	WPX ENERGY
API No: 06045217950000	Well	FEDERAL RU 341-5
	Field	RULISON
	County	COLORADO
	State	COLORADO
5 7S 93W RU 23-9 PAD NABORS 676	Location	SHL: 239' FNL X 2617' FWL BHL: 873' FNL X 664' FEL (NESE)
	SEC 5	TWP 7S
	RGE 93W	
Permanent Datum	OL	Elevation
Log Measured From	KG	26 ft
Drill Measured From	KELLY BUSHING	Above P. D.
		Elevations
		KB 7628 ft
		DF
		GL 7602 ft

Date	07/DEC/13
Run	ONE
Service Order	USE626045
Depth Driller	10273 ft
Depth Logger	10254 ft
Bottom Logged Interval	10244 ft
Top Logged Interval	26 ft
Time Started	1500
Time Finished	1830
Operator Rig Time	4.5 HRS
Type of Fluid in Hole	WATER
Fluid Density	NA
Salinity	NA
Fluid Level	76 ft
Logged Cement Top	NA
Wellhead Pressure	0 psi
Maximum Hole Deviation	NA
Nominal Logging Speed	65 fpm
Maximum Recorded Temperature	240 degF
Reference Log	NONE
Reference Log Date	NA
Equipment No.	4221
Location	GRAND JCT
Recorded By	FLOYD REBEAU
Witnessed By	JEFF DUCY

- 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
13.6 in	0 ft	1136 ft
8.75 in	1136 ft	10273 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 in			0 ft	1136 ft
4.5 in	11.6 lbm/ft	P-110	0 ft	10273 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 3 feet.
Logged with zero PSI at wellhead.
BHT = 240 °F
SJ = 6601'-6623'



Equipment Data

Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VCL	1426XA	10218495	CENT
1	1	GRICCL	135XA	10580209	CENT

PRIMARY PRESENTATION  
0 PSI

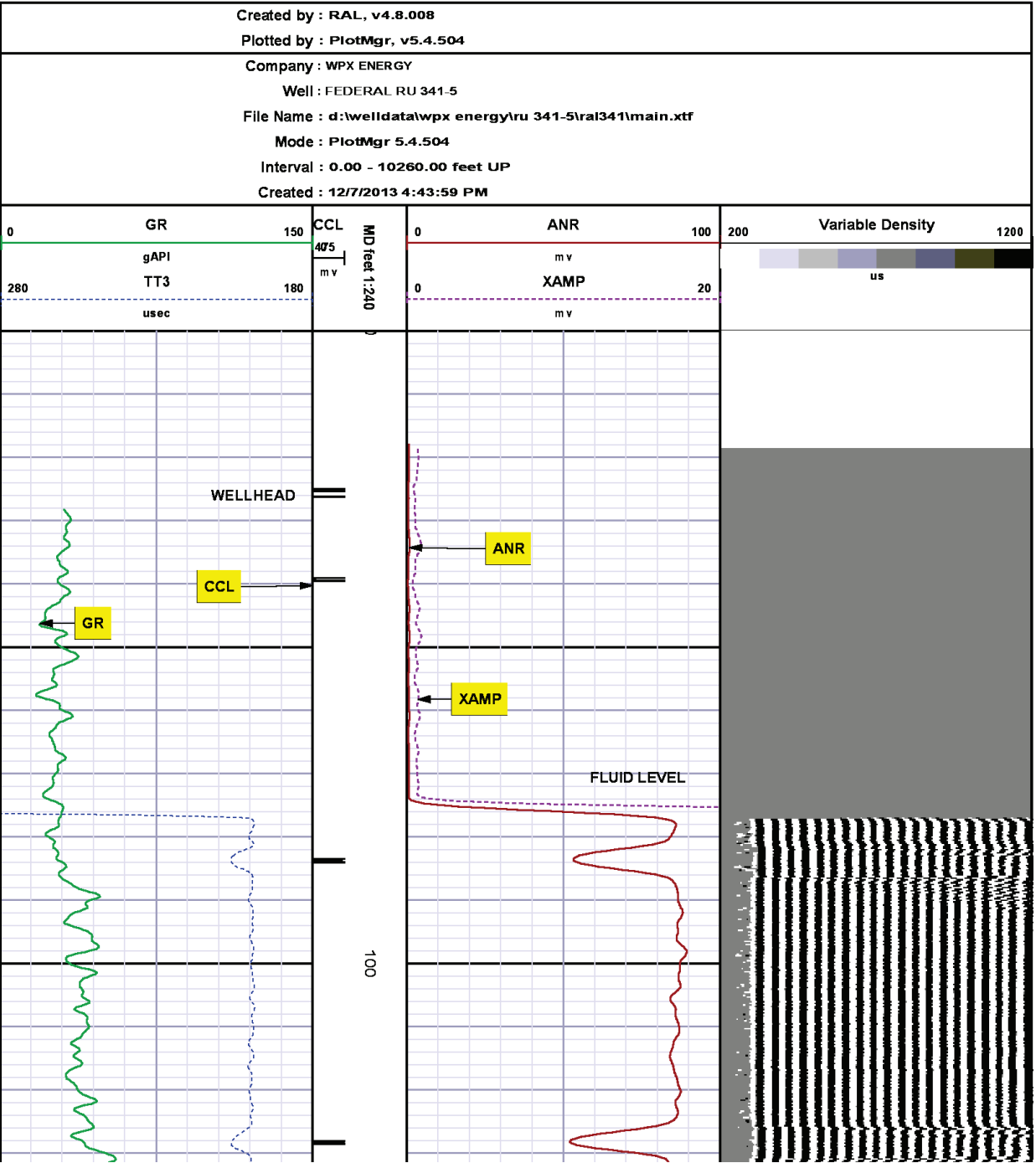
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	28.293	10276.000
RAL	Amp Gate Start Near	195.000	usec	28.293	10276.000
RAL	Amp Gate Start Radial	195.000	usec	28.293	10276.000
RAL	Amp Gate Width Far	25.000	usec	28.293	10276.000
RAL	Amp Gate Width Near	25.000	usec	28.293	10276.000
RAL	Amp Gate Width Radial	25.000	usec	28.293	10276.000
RAL	casing od	4.500	inches	28.293	10276.000
RAL	casing wt	11.600	lbm/ft	28.293	10276.000
RAL	FB Start Far	291.900	usec	28.293	10276.000
RAL	FB Start Near	180.000	usec	28.293	10276.000
RAL	FB Start Radial	180.000	usec	28.293	10276.000
RAL	FB Thresh Far	10.000	mv	28.293	10276.000
RAL	FB Thresh Near	4.000	mv	28.293	10276.000
RAL	FB Thresh Radial	4.000	mv	28.293	10276.000
RAL	Fluid Travel Time	200.000	usec/ft	28.293	10275.918

DEPTH OFFSETS  
(for Acquired Curves)

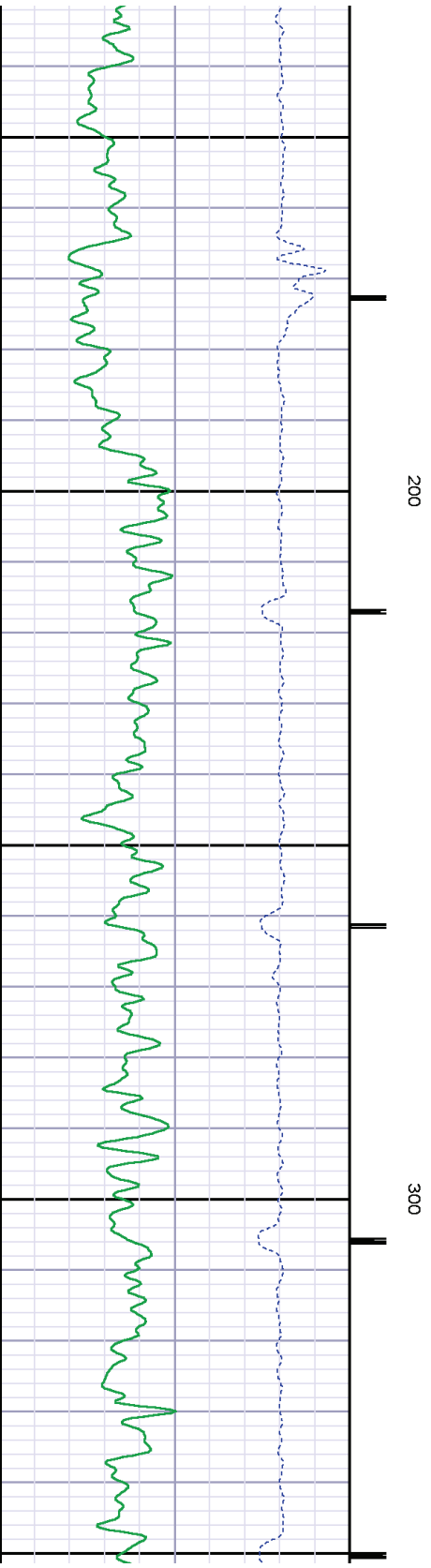
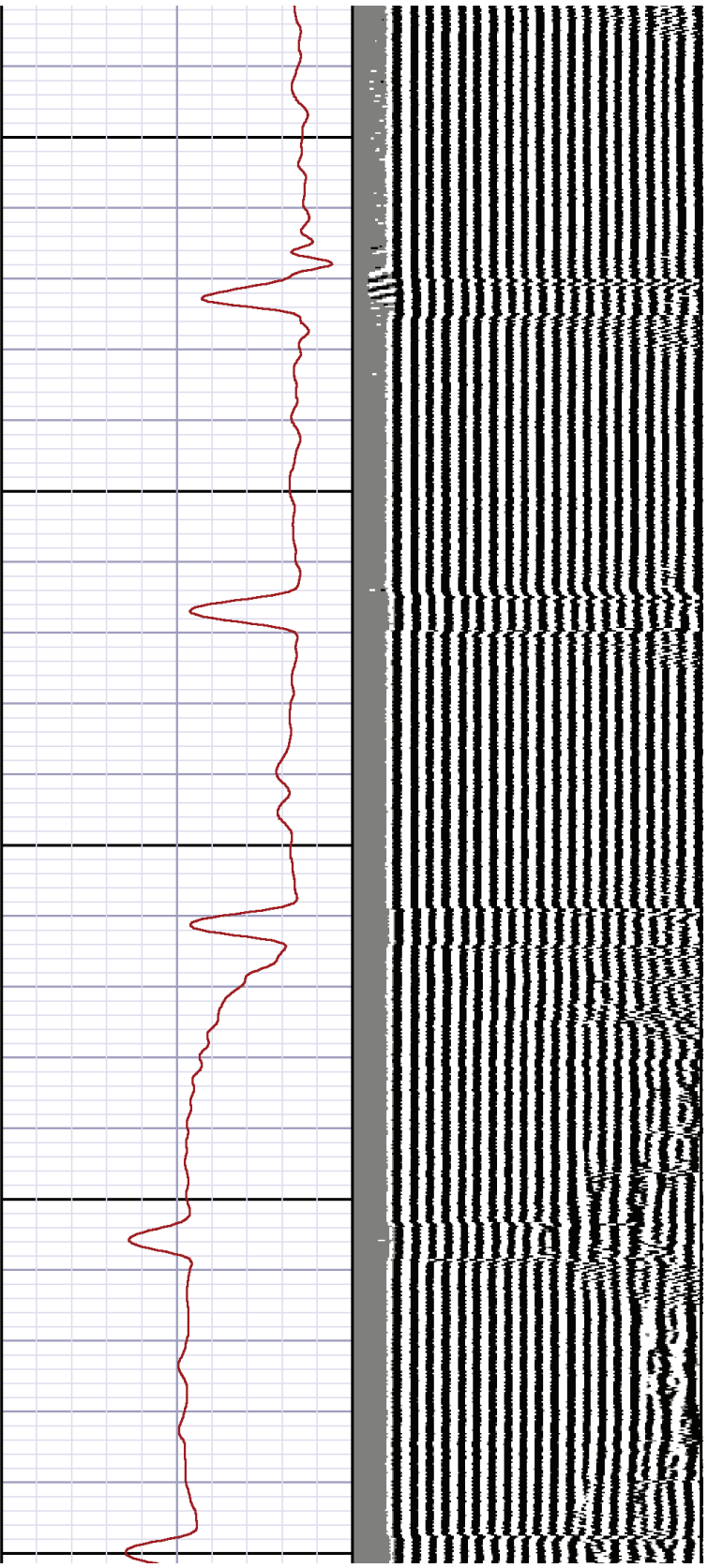
SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
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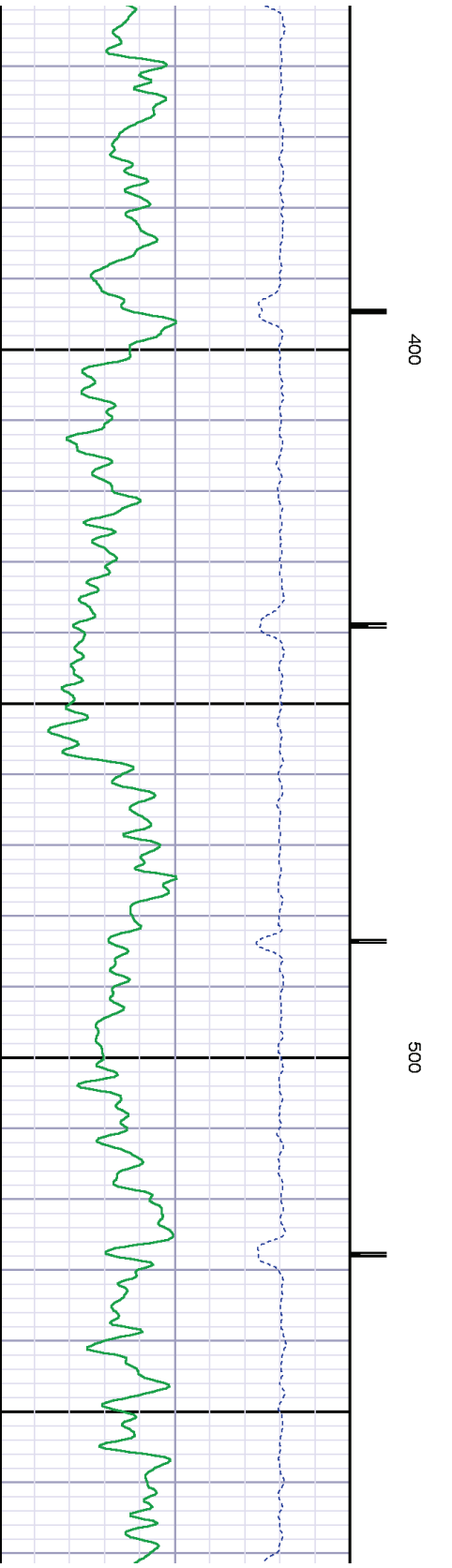
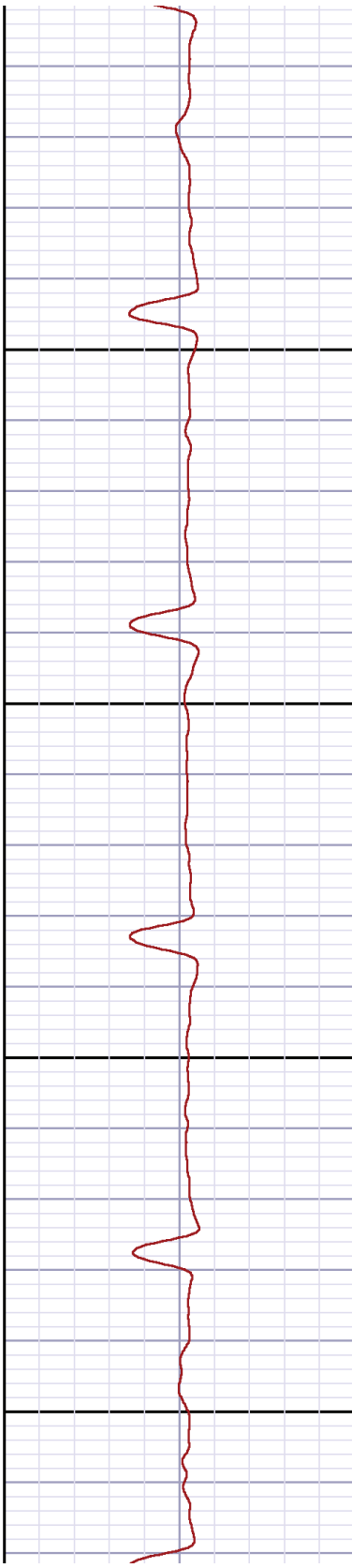
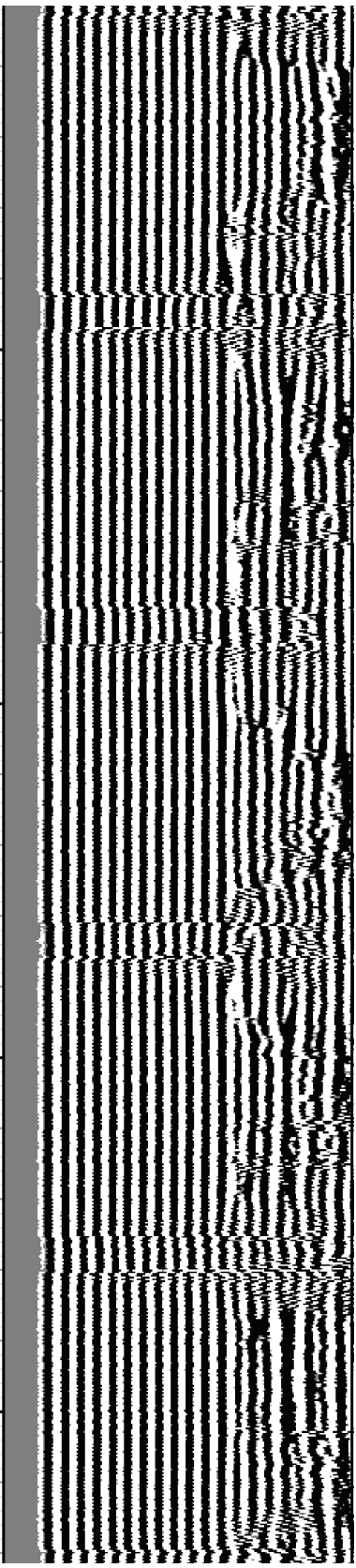
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					



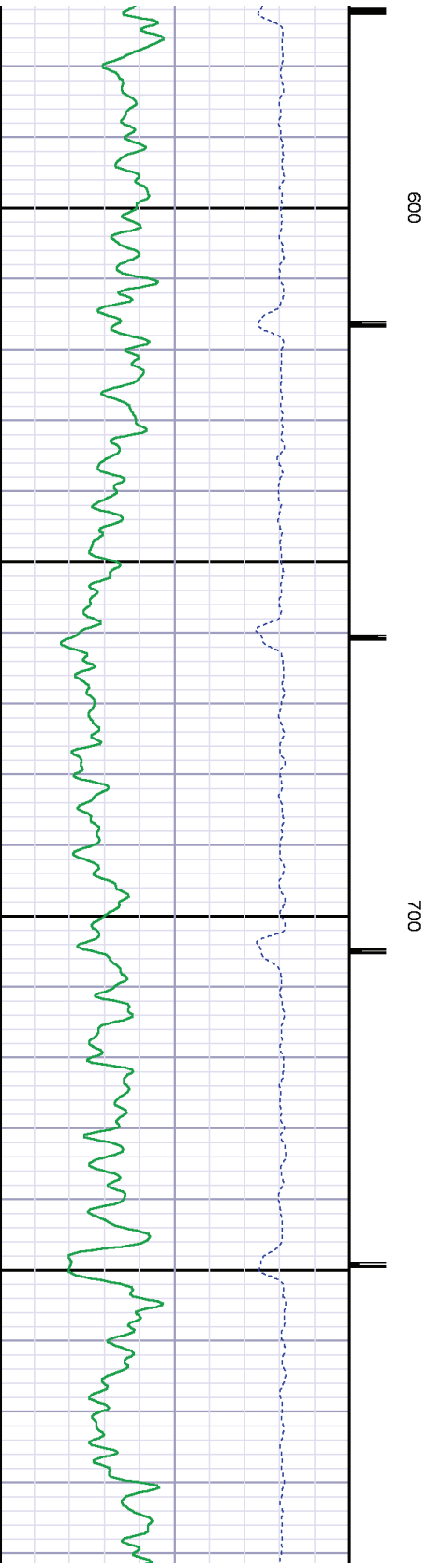
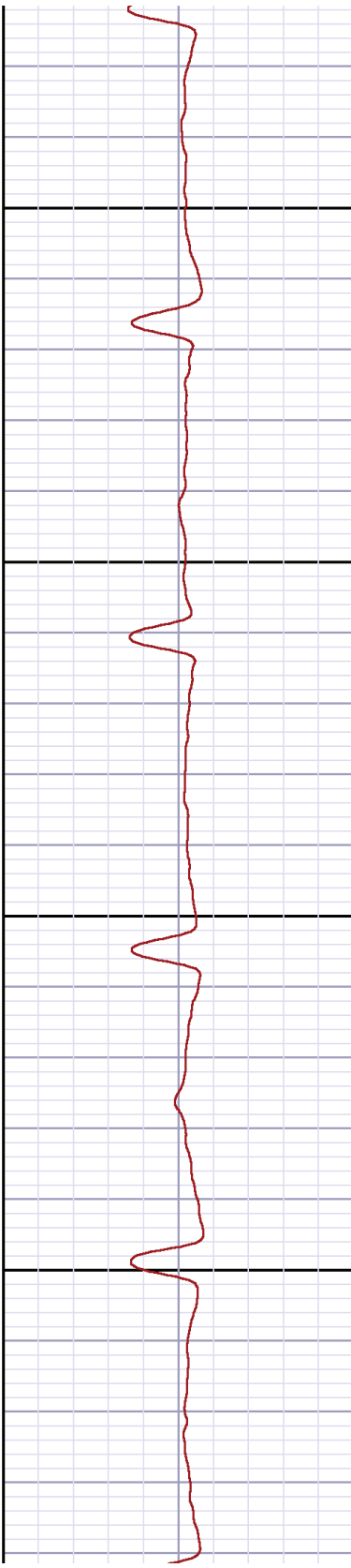
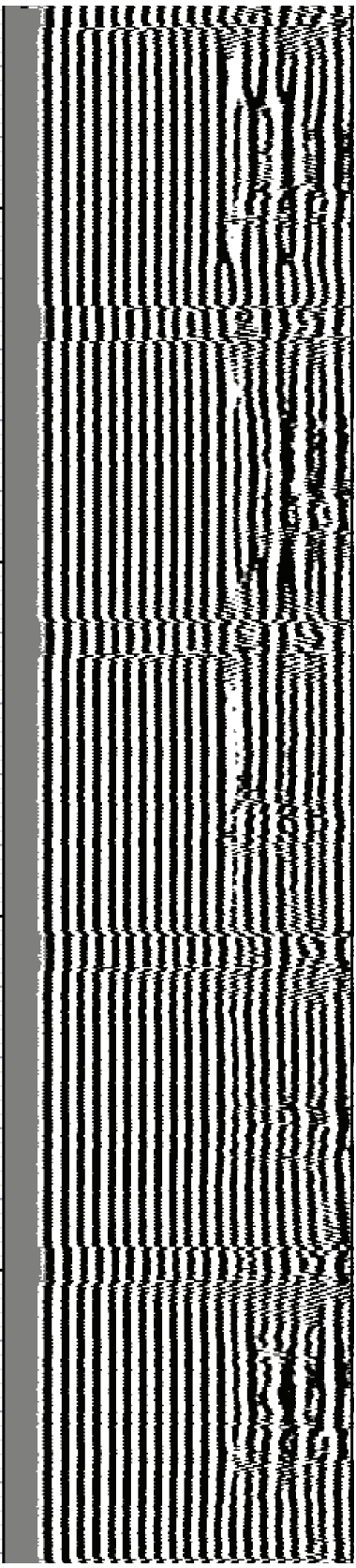




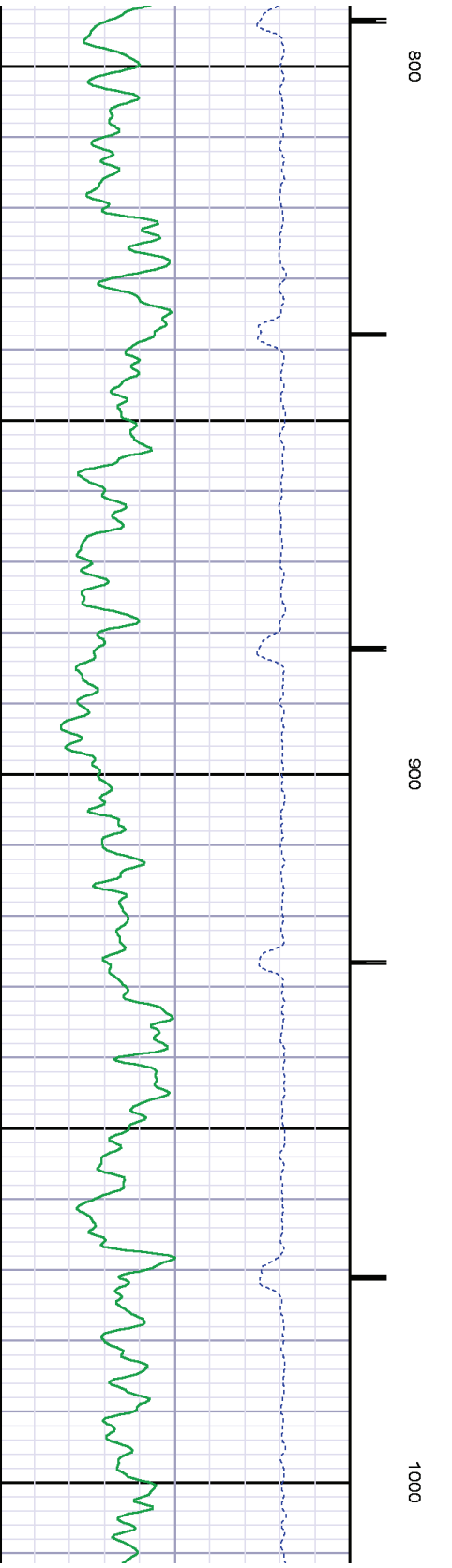
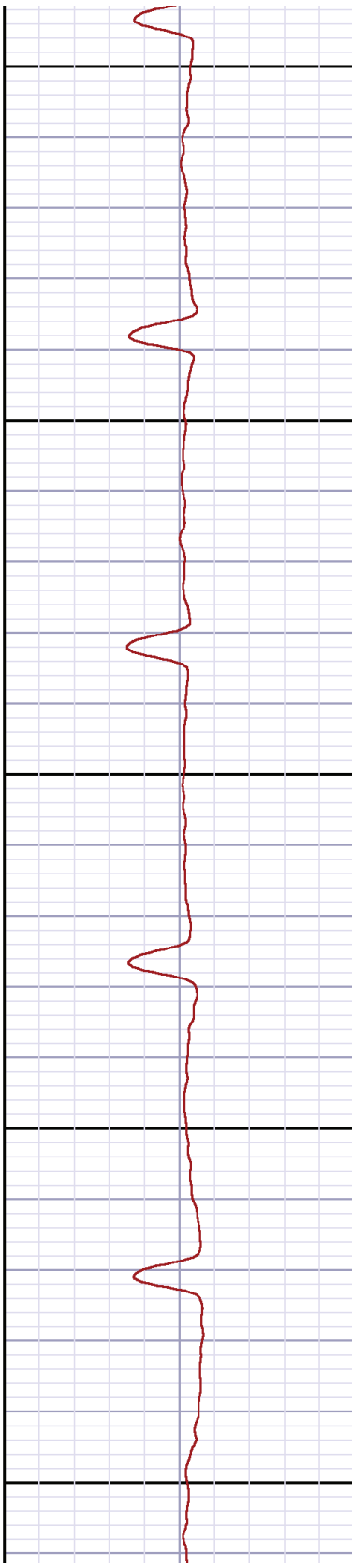
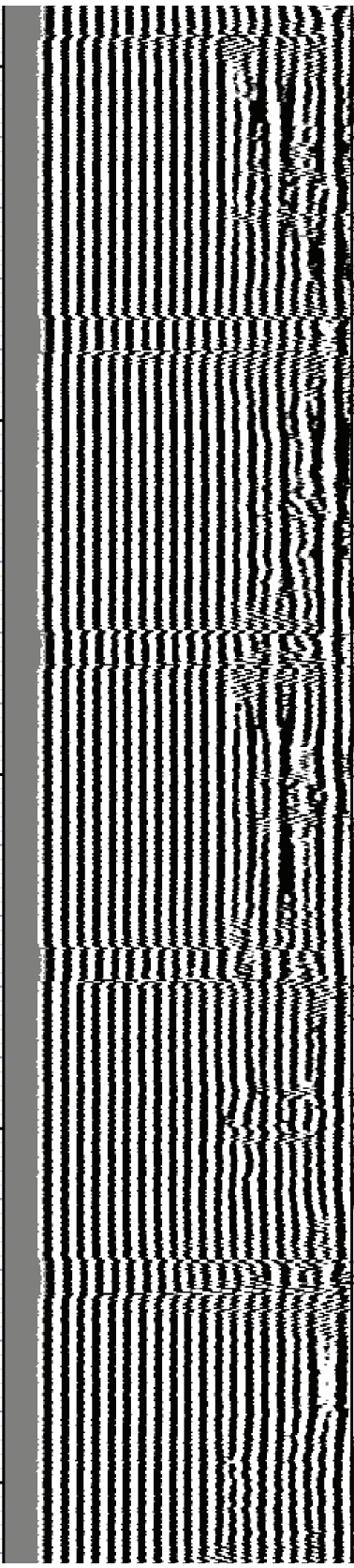




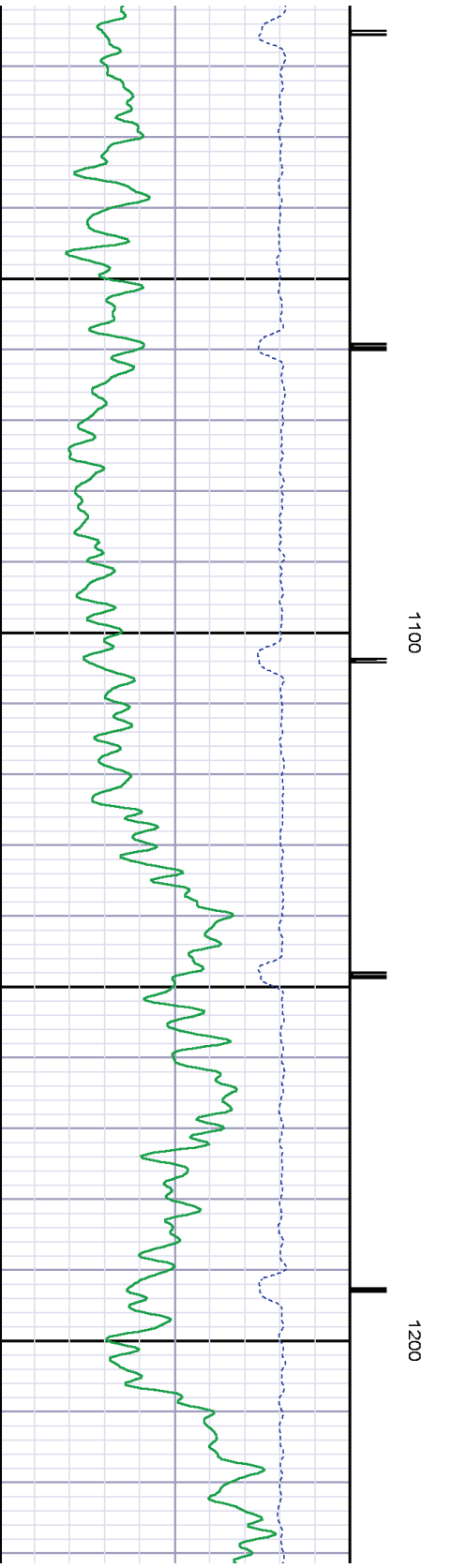
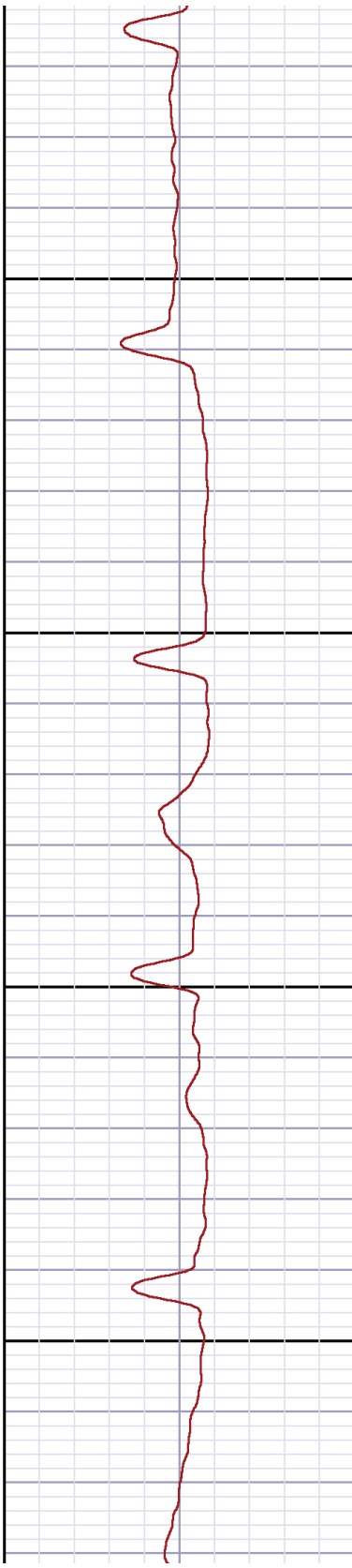
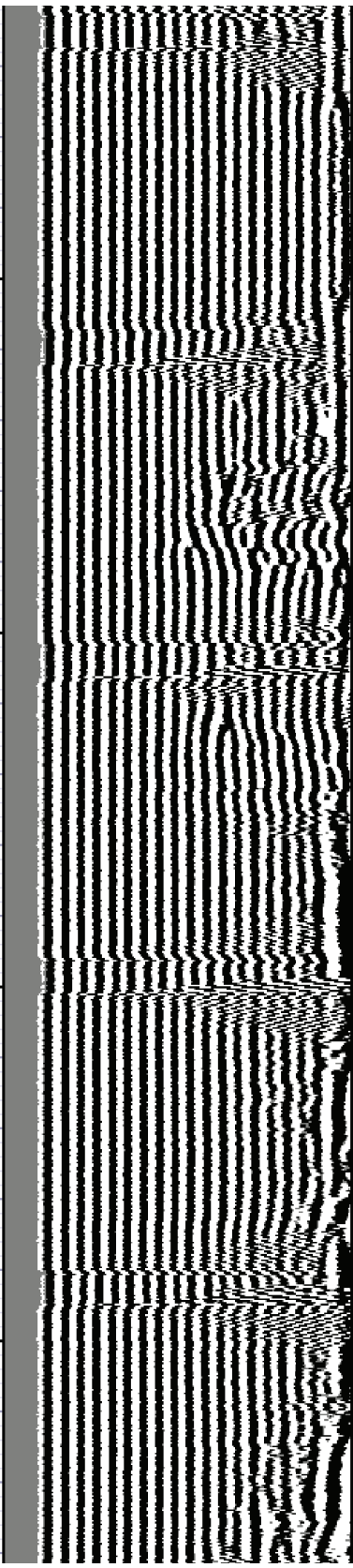




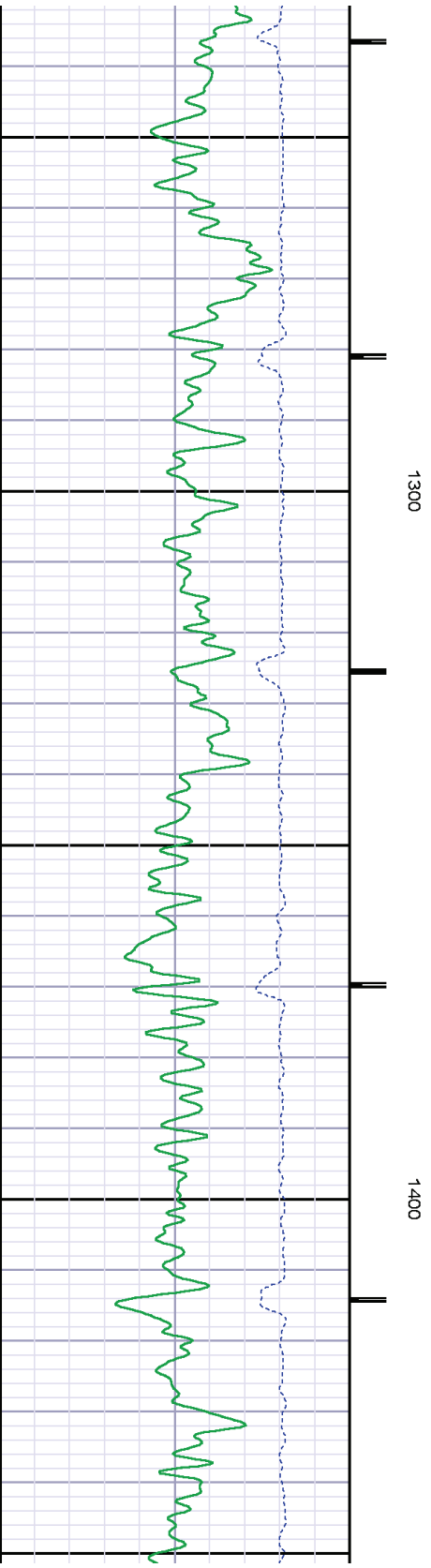
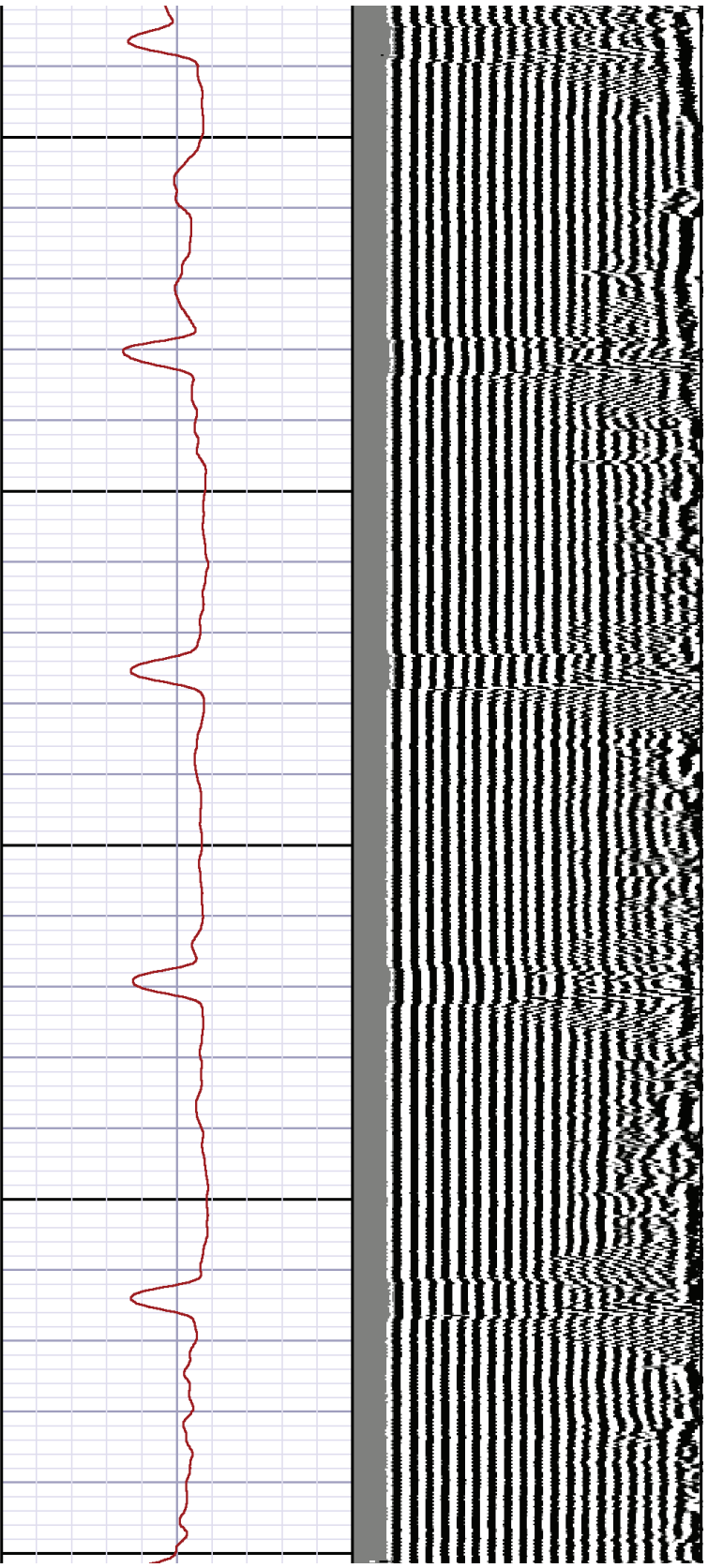




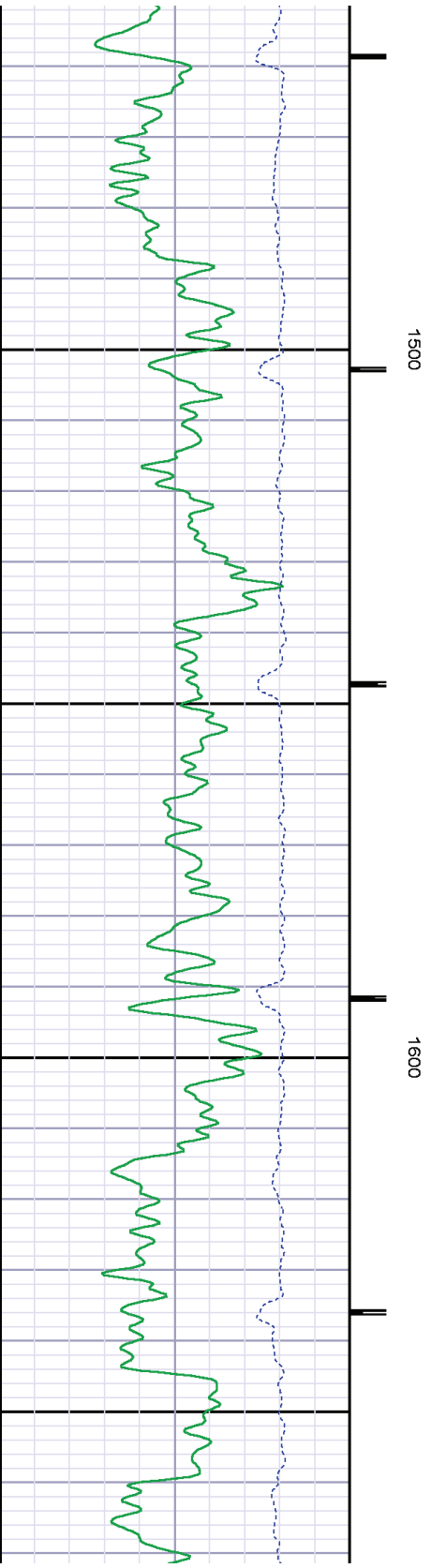
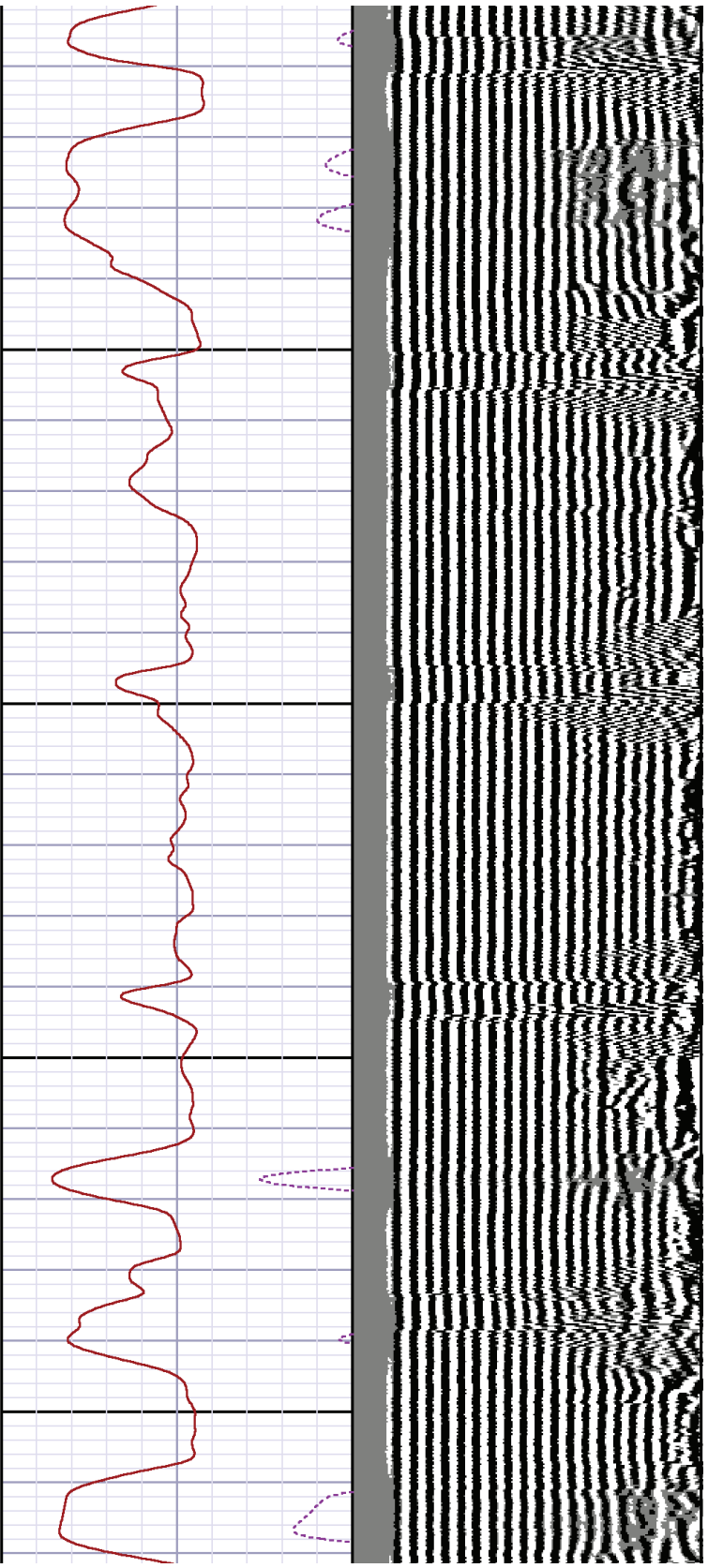




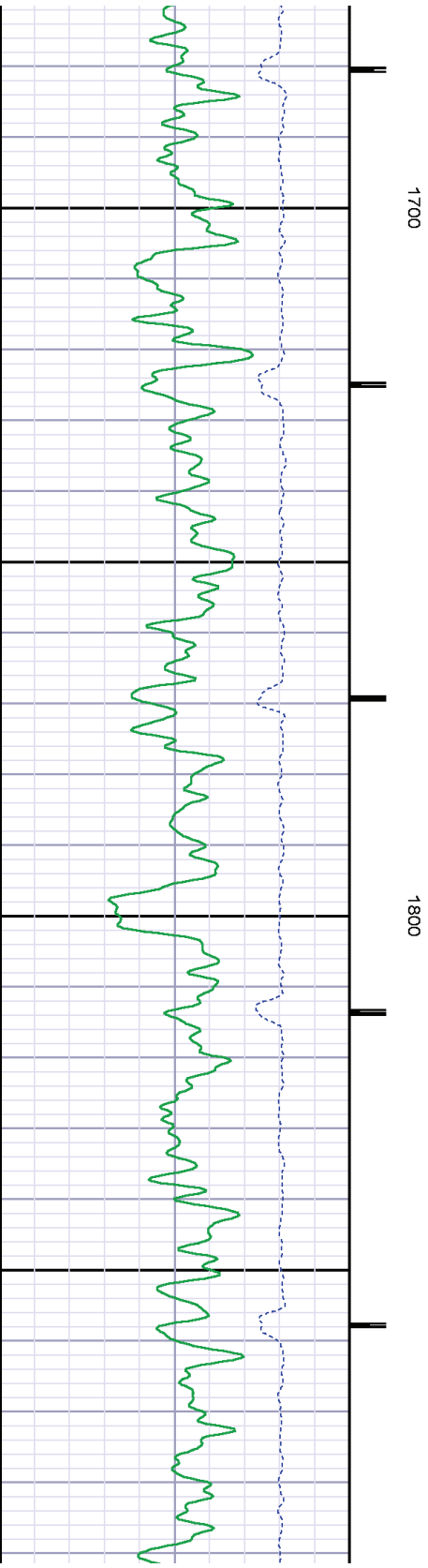
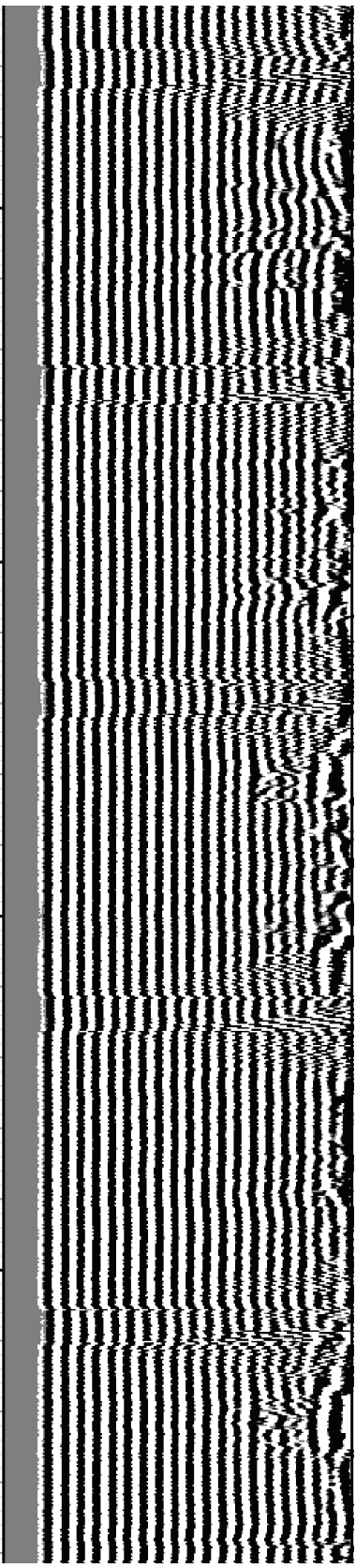




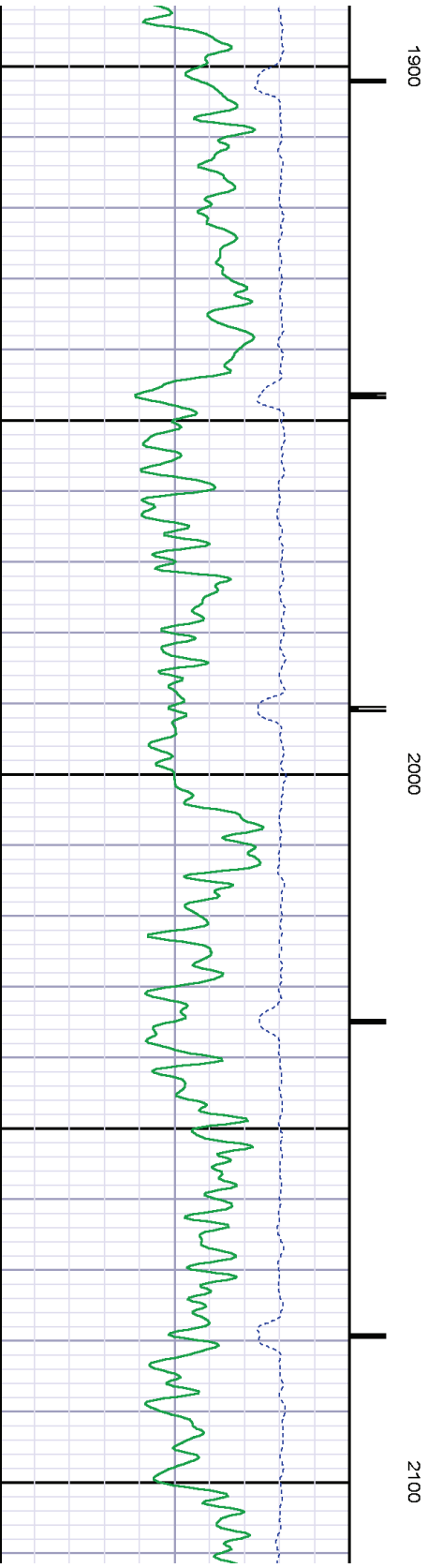
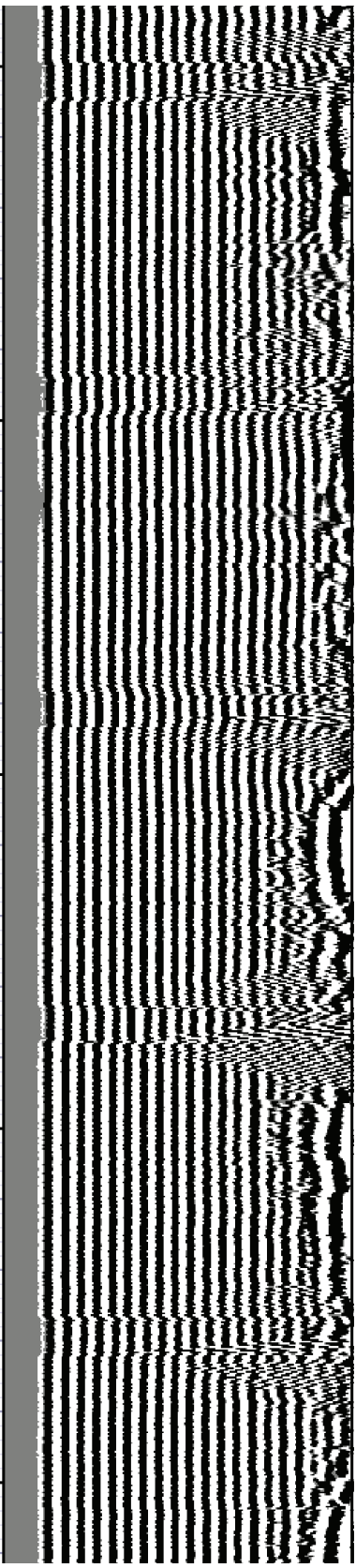




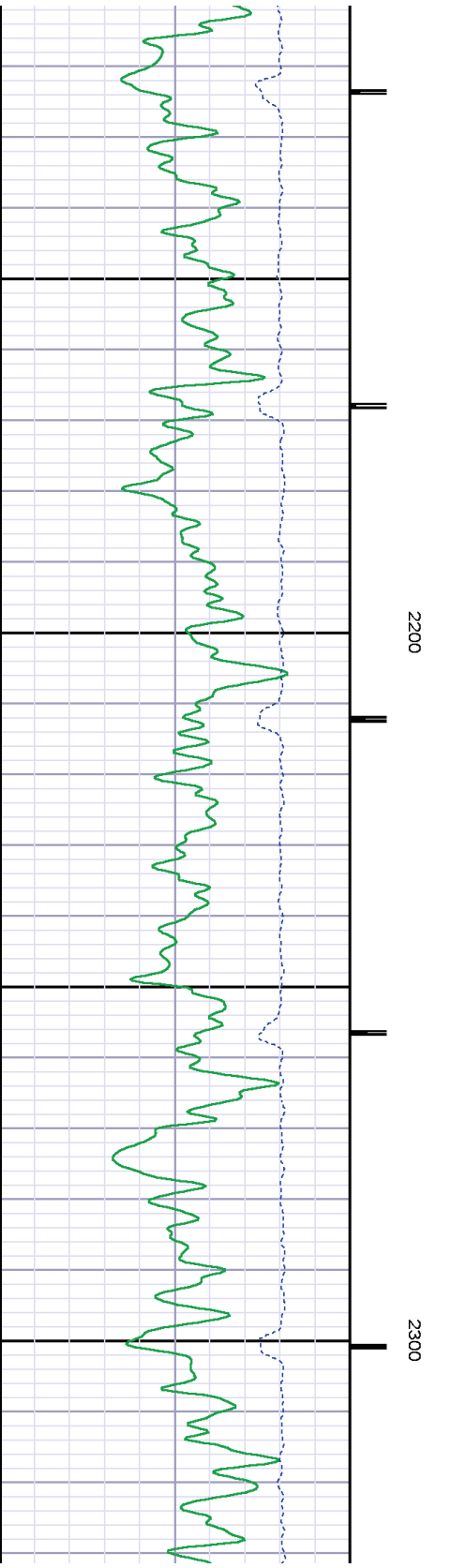
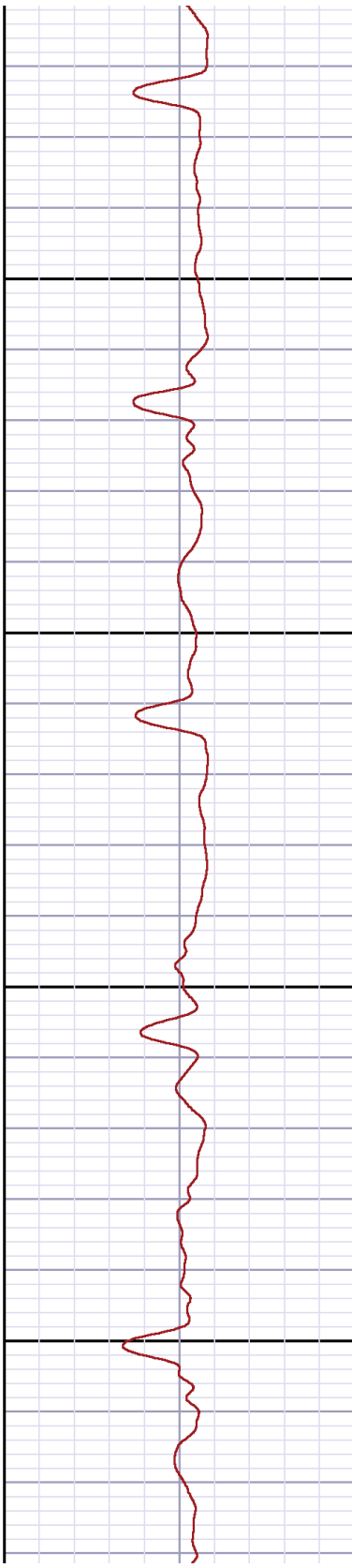
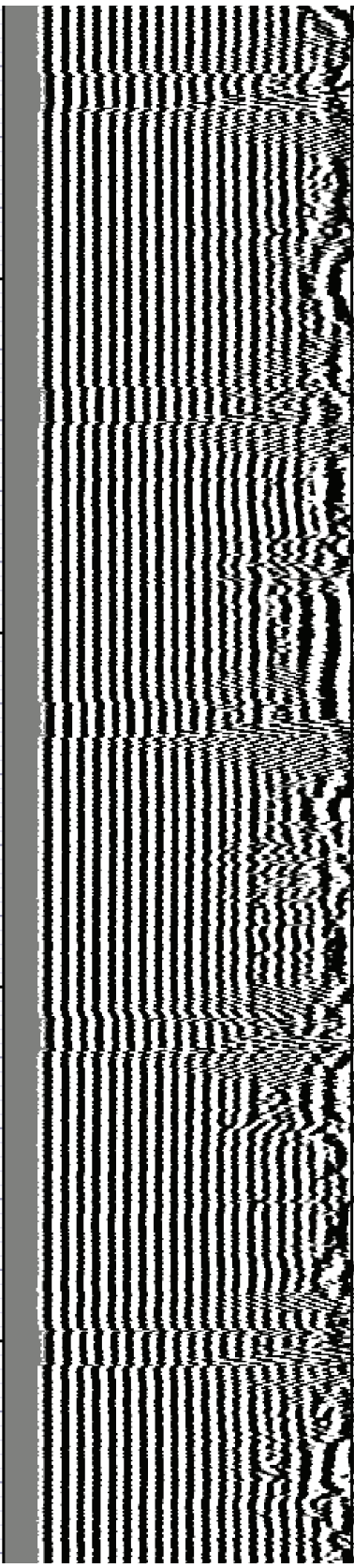




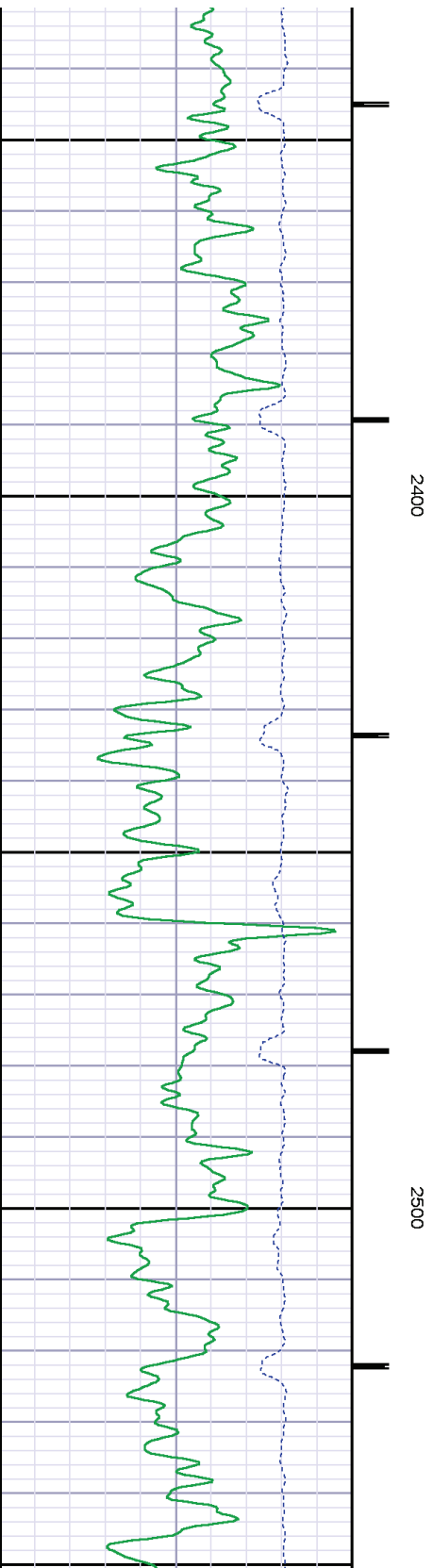
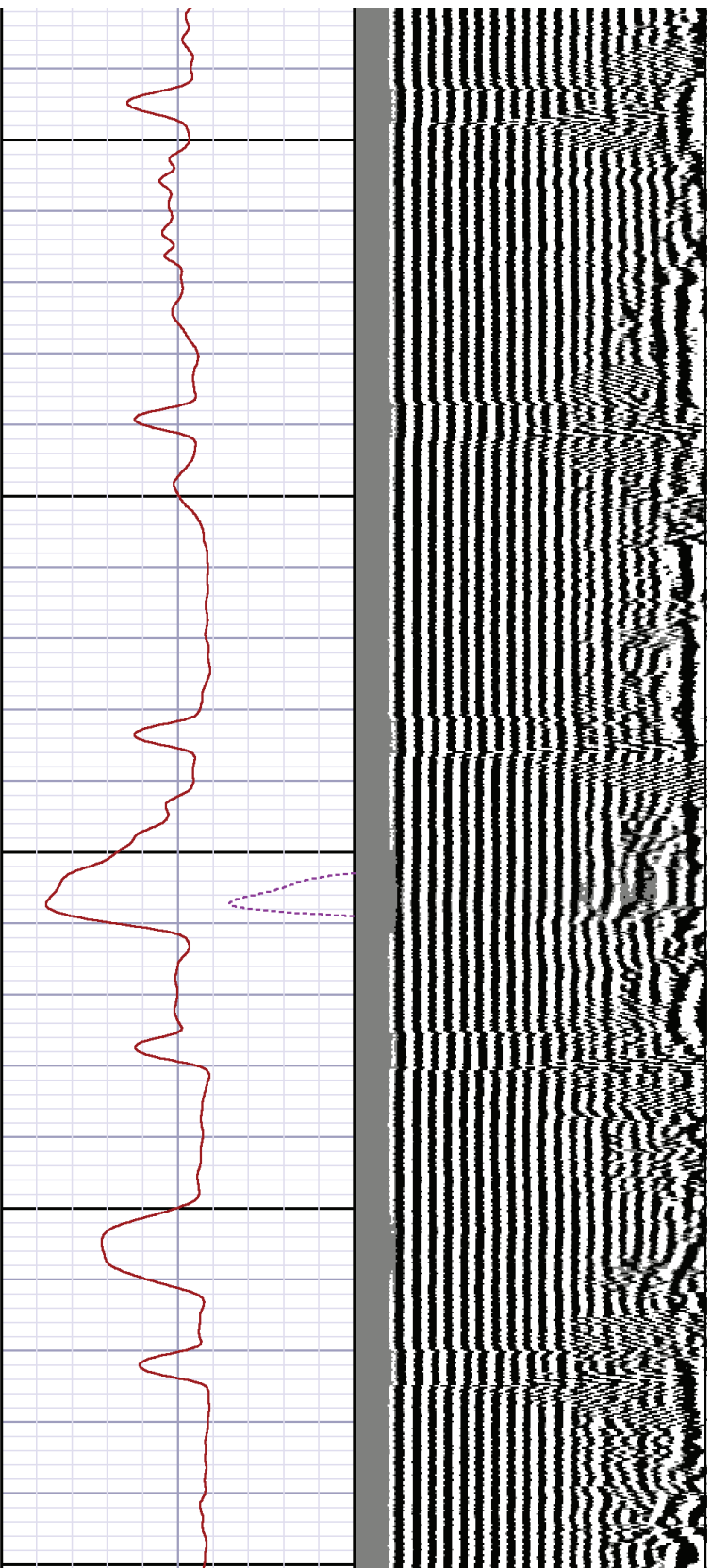




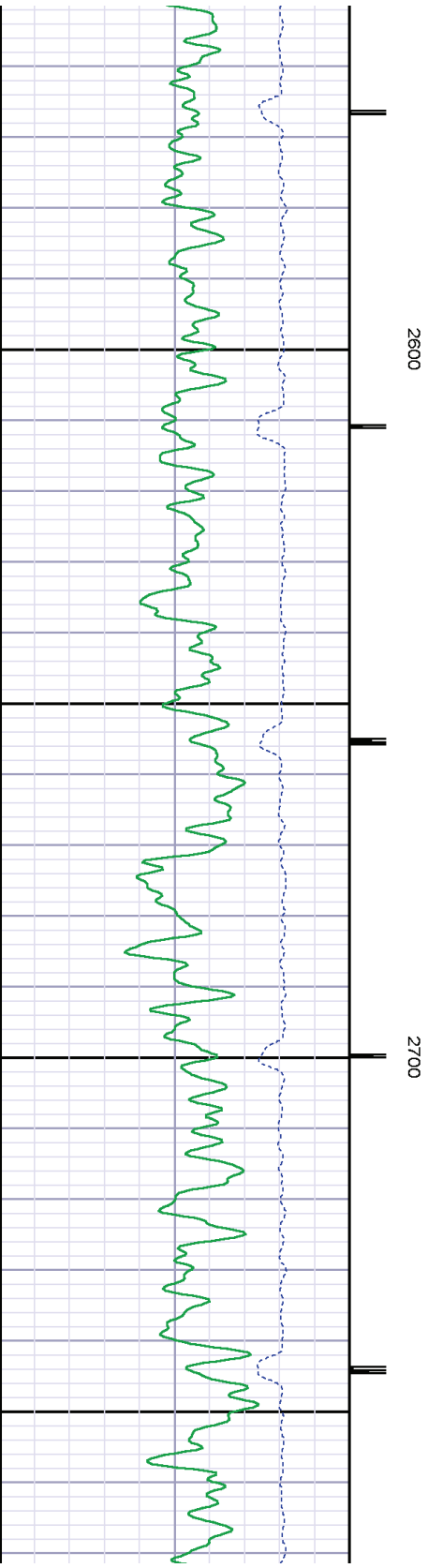
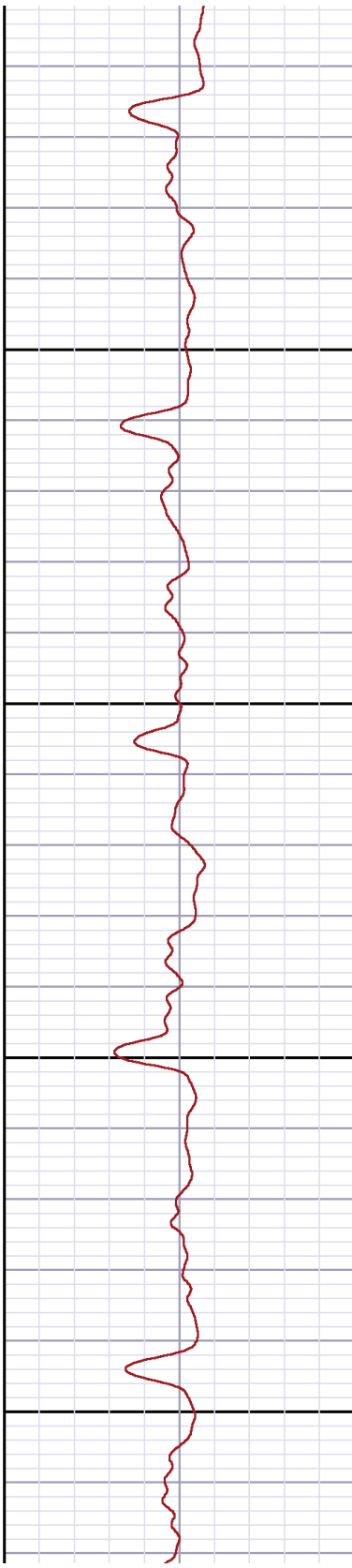
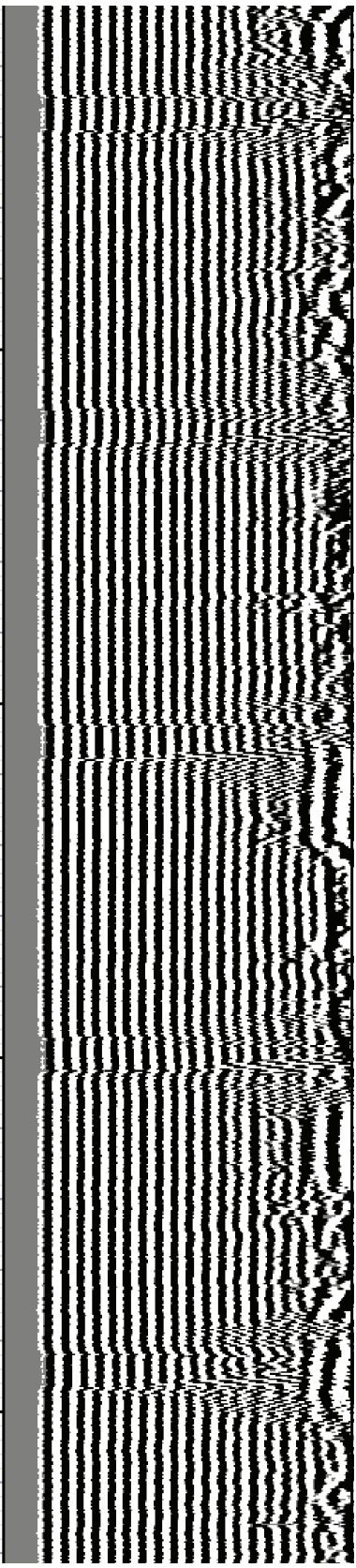




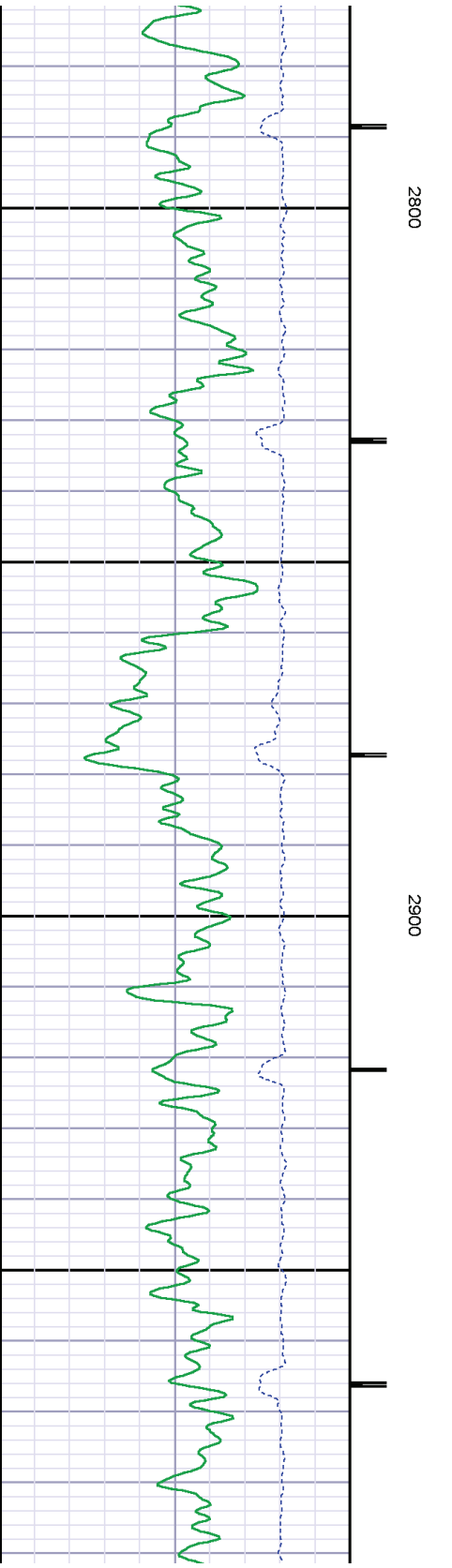
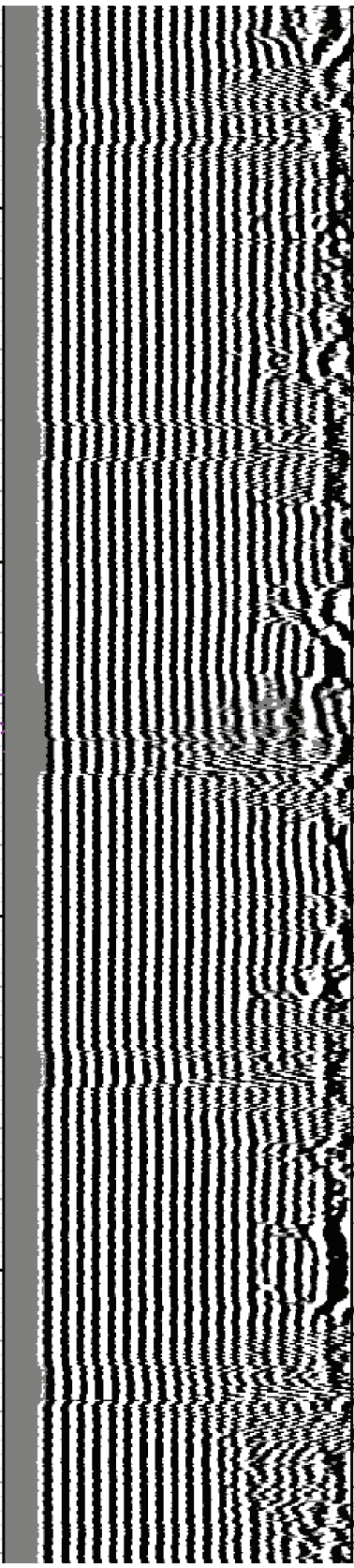




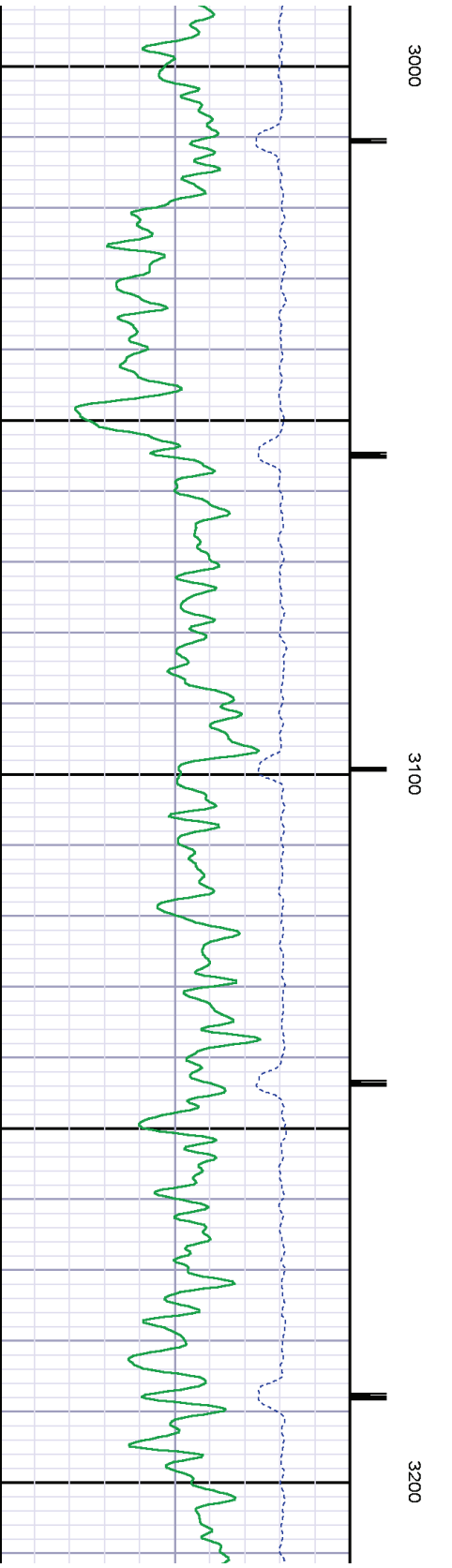
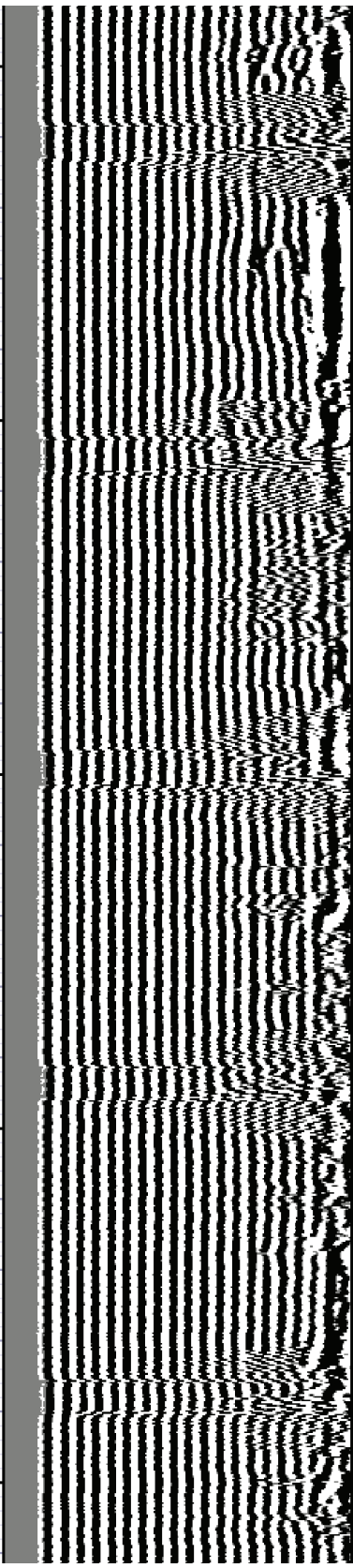




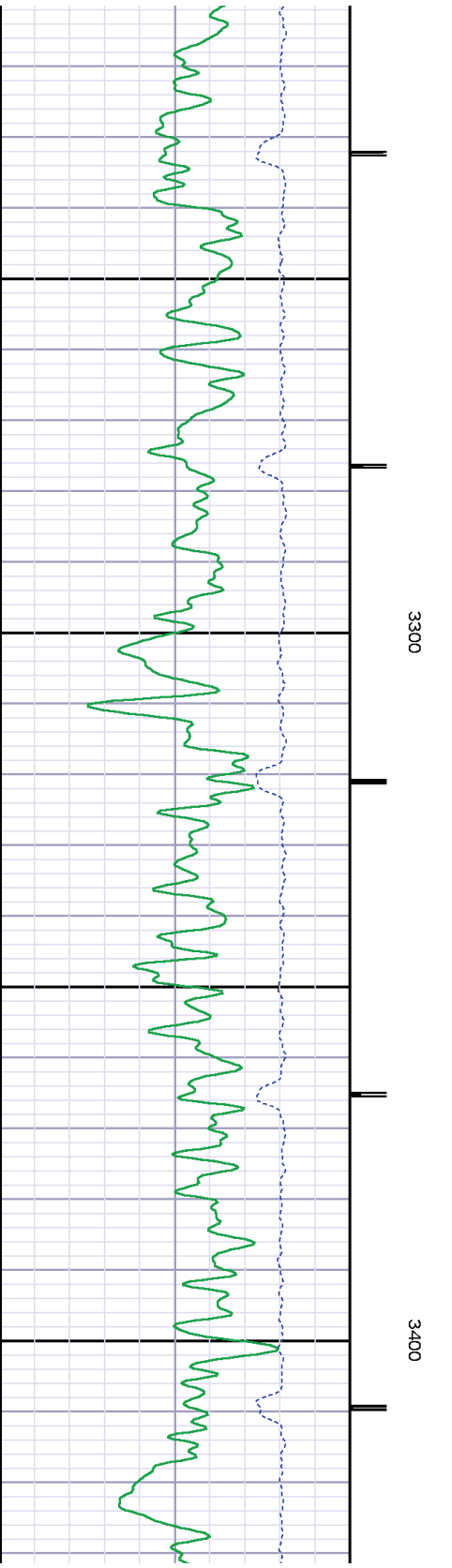
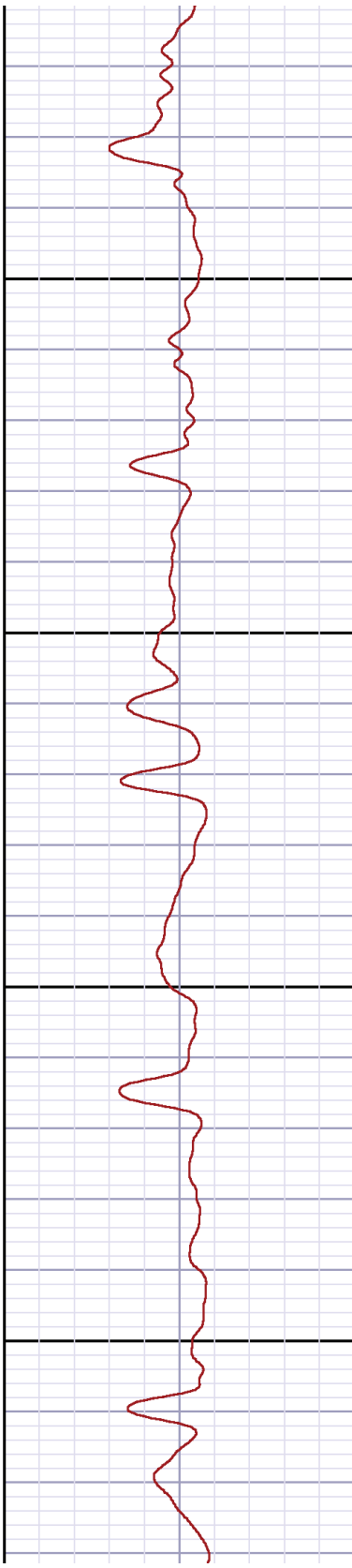
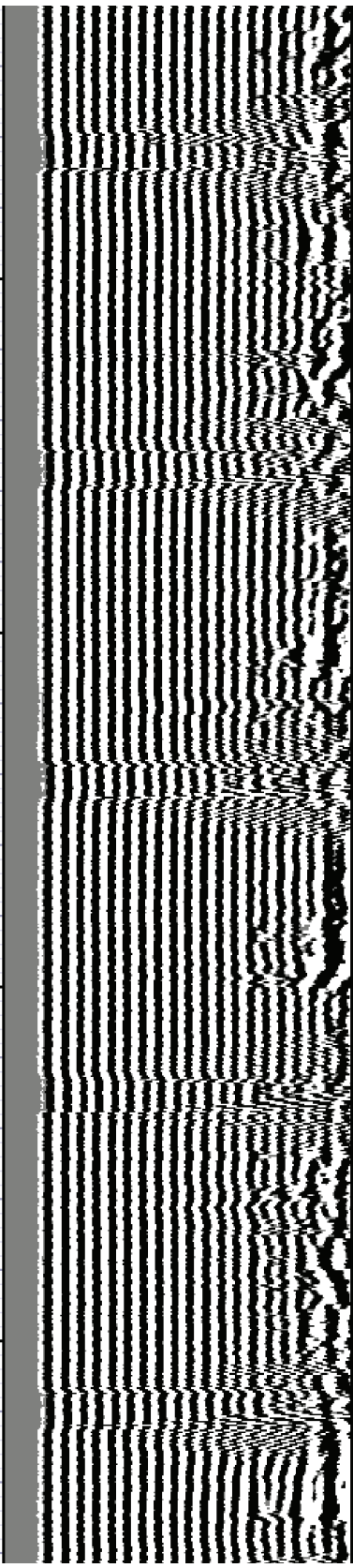




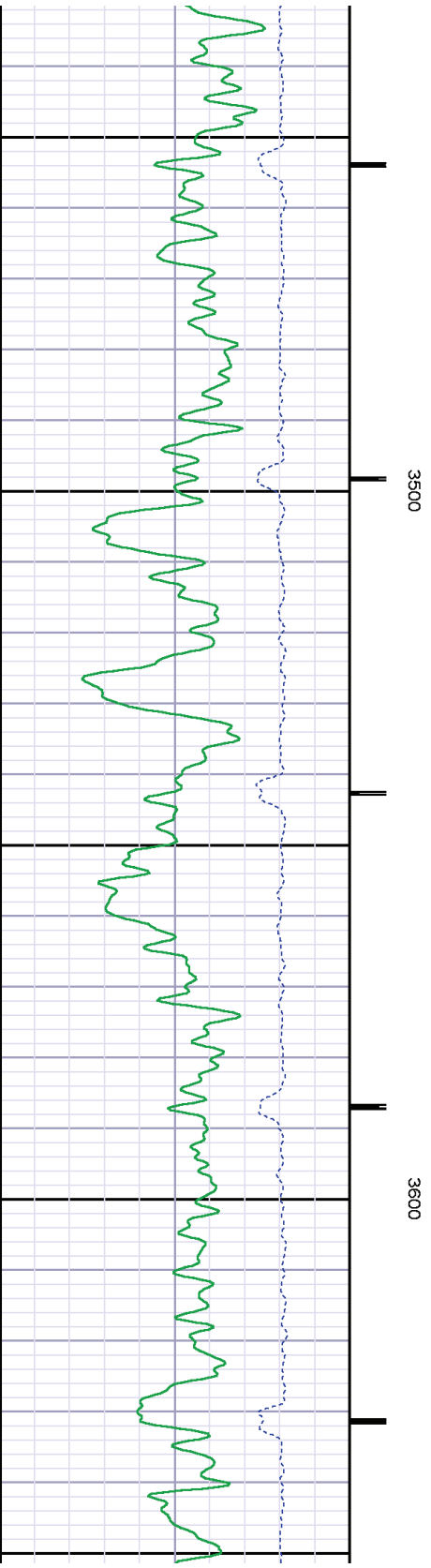
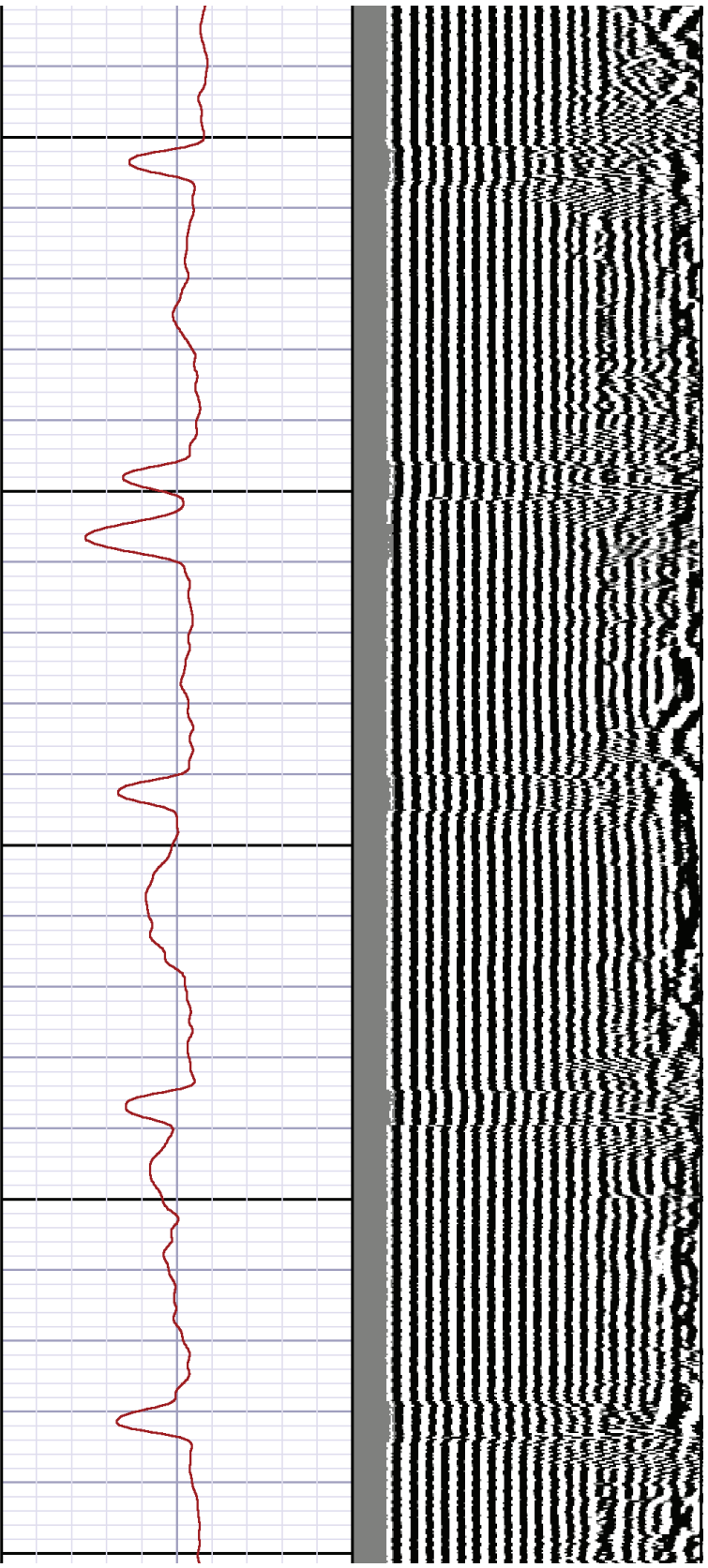




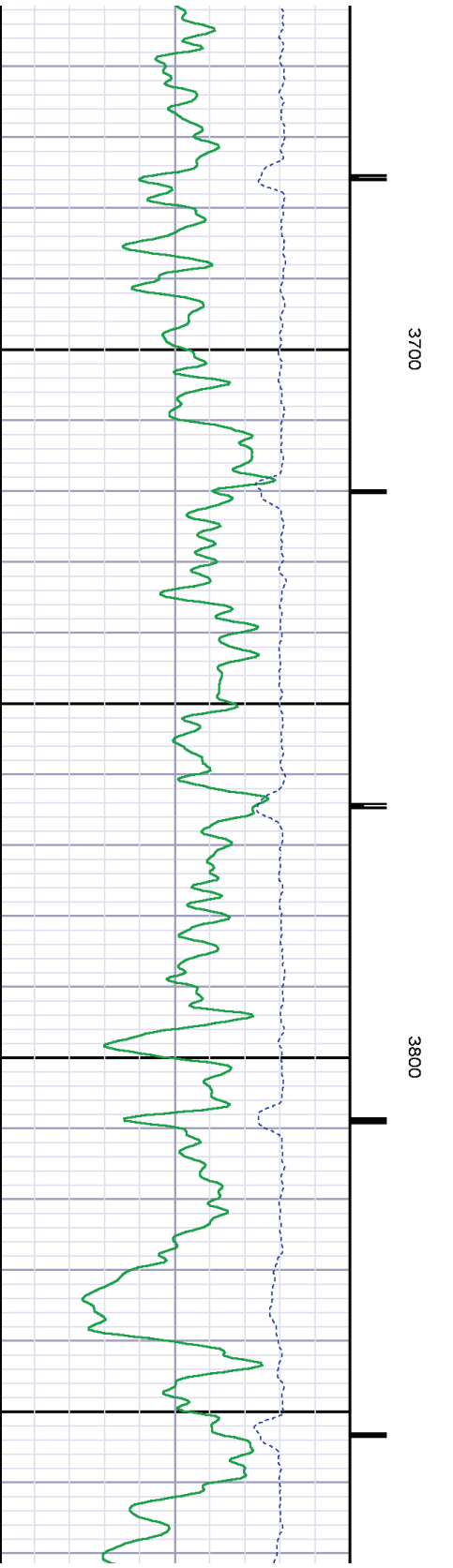
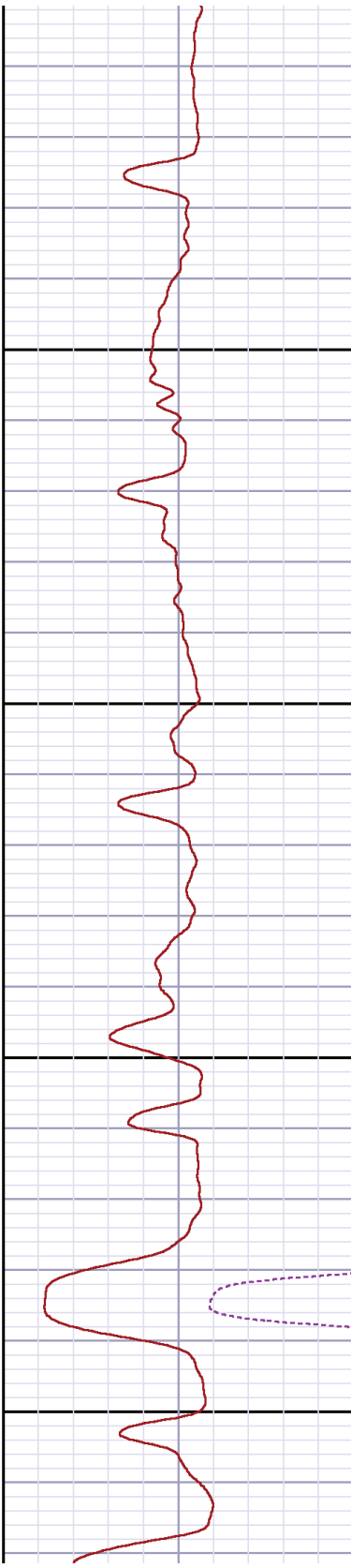
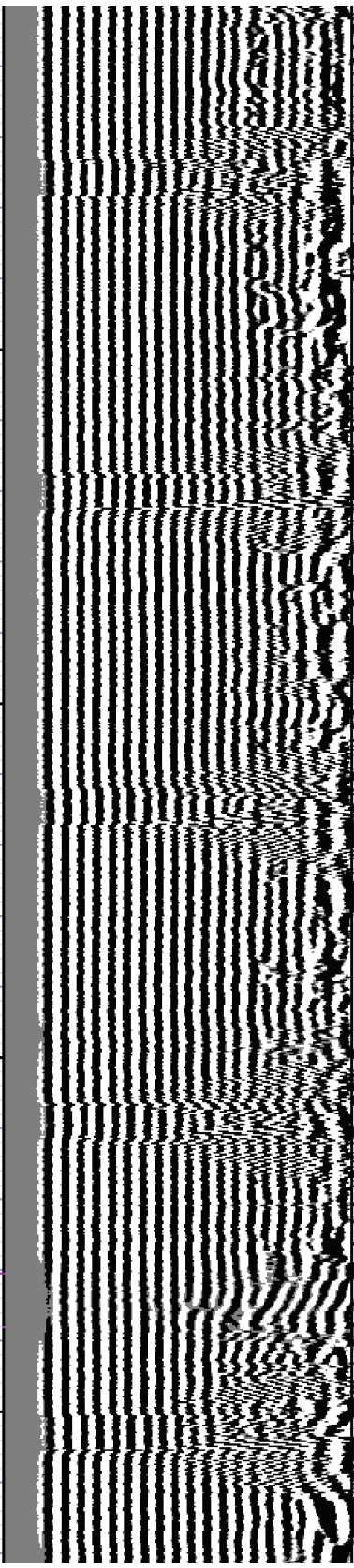




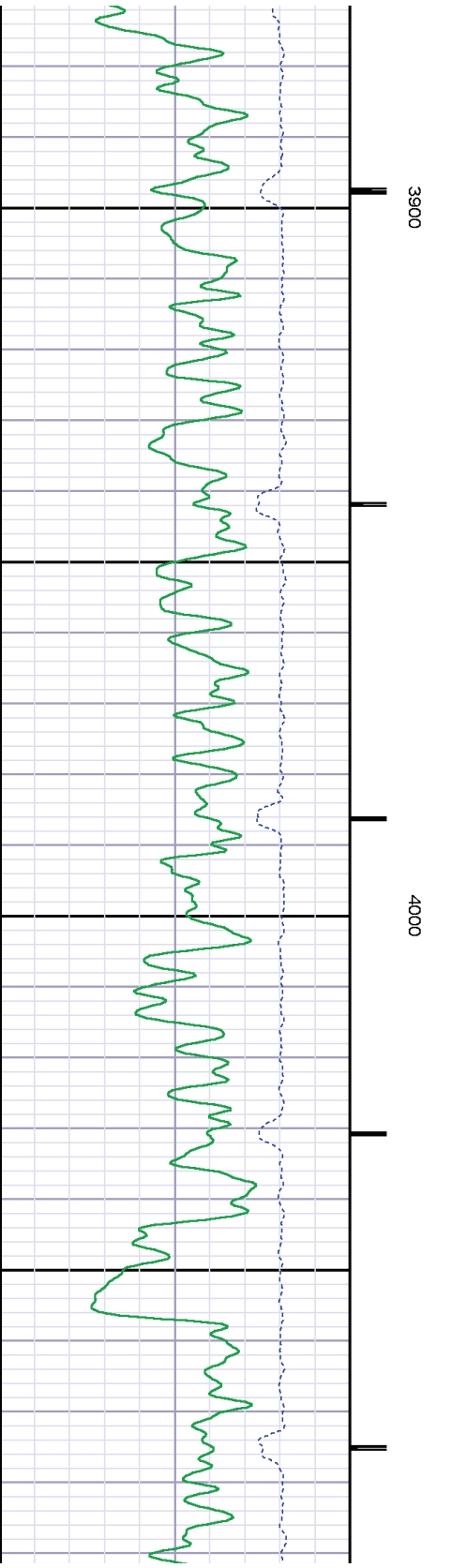
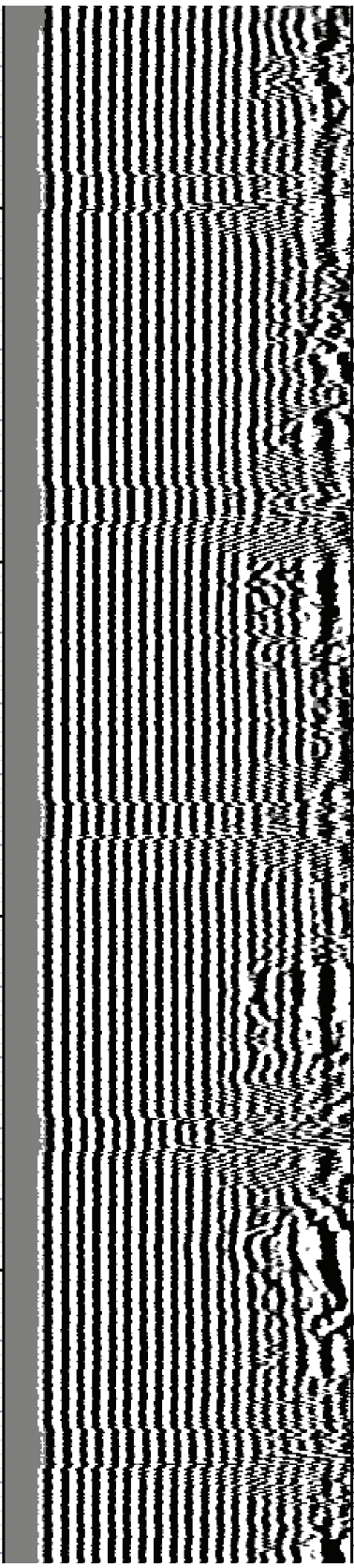




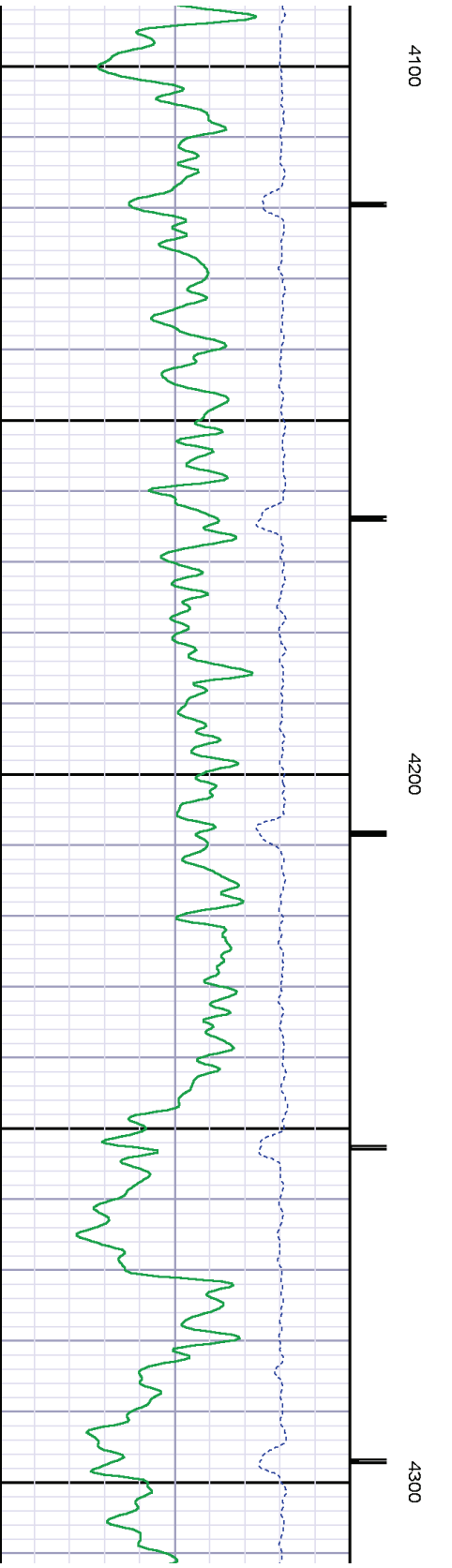
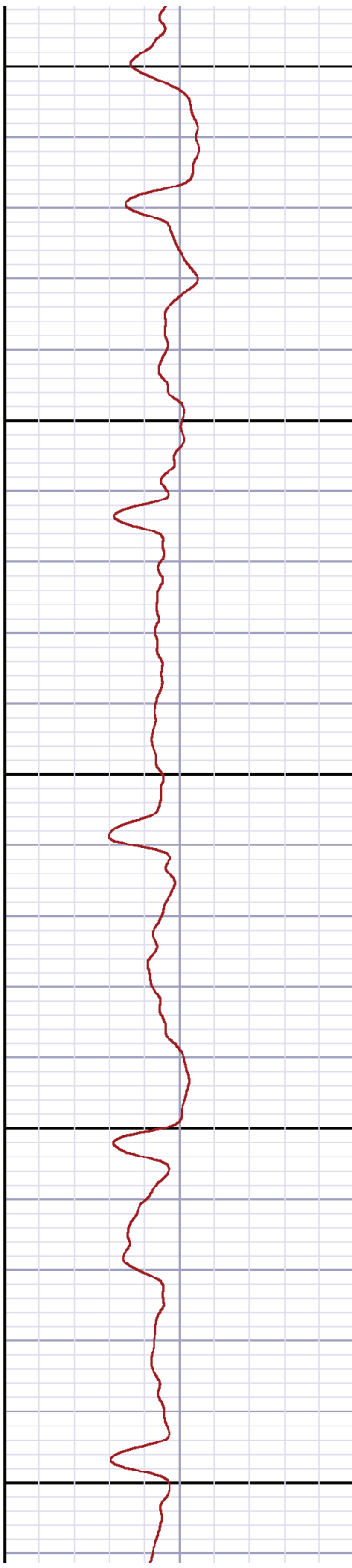
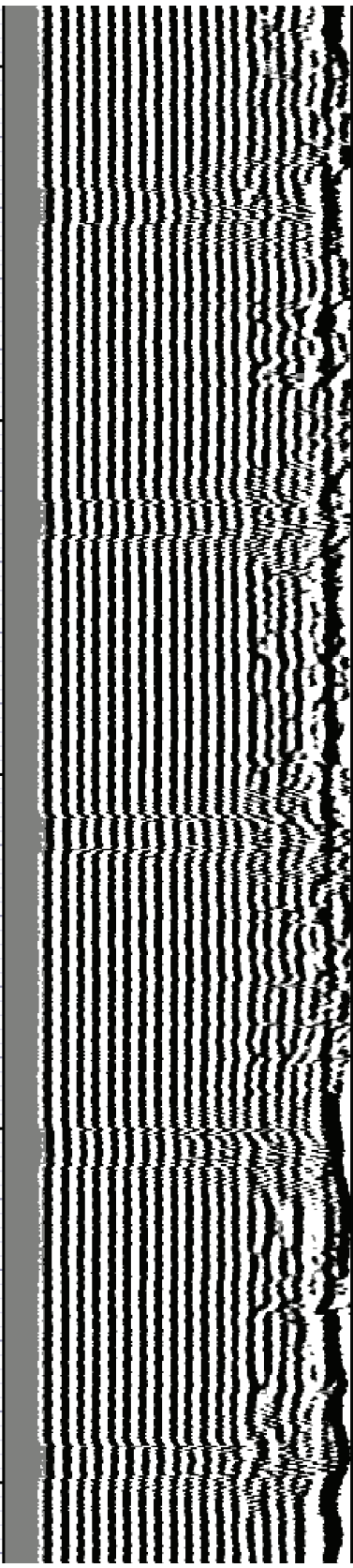




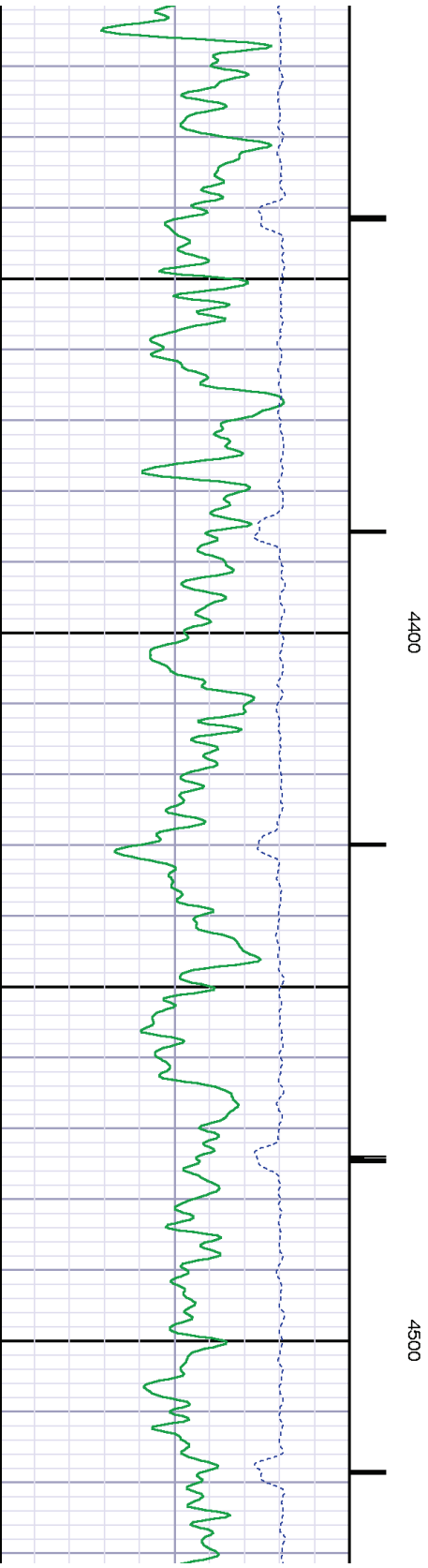
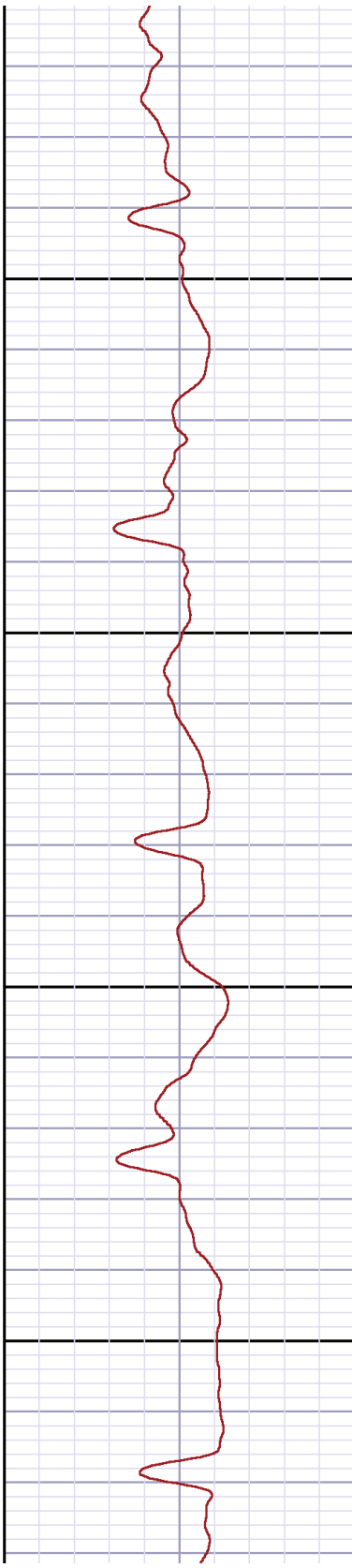
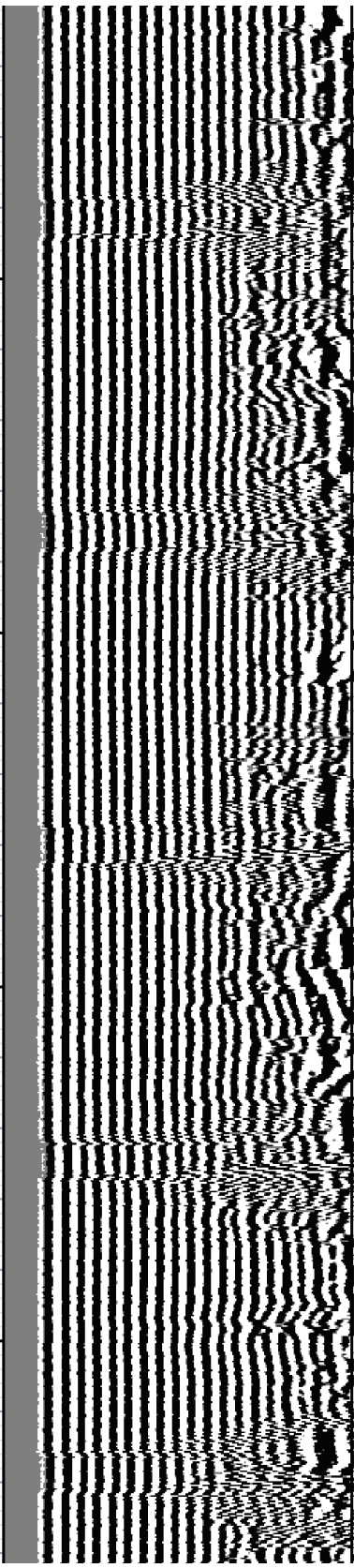




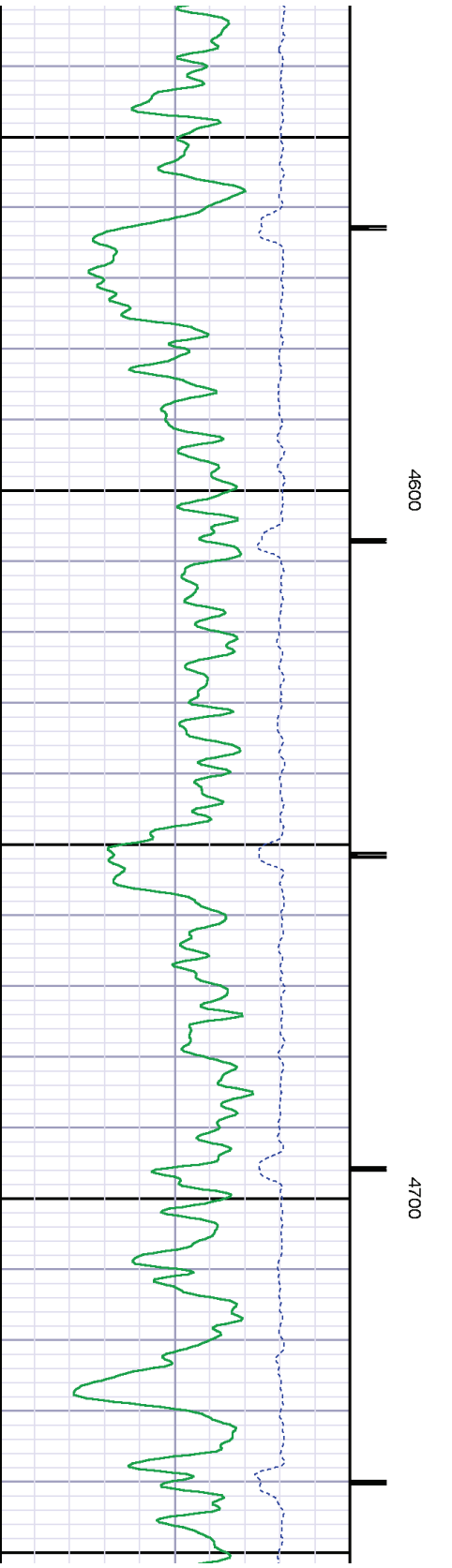
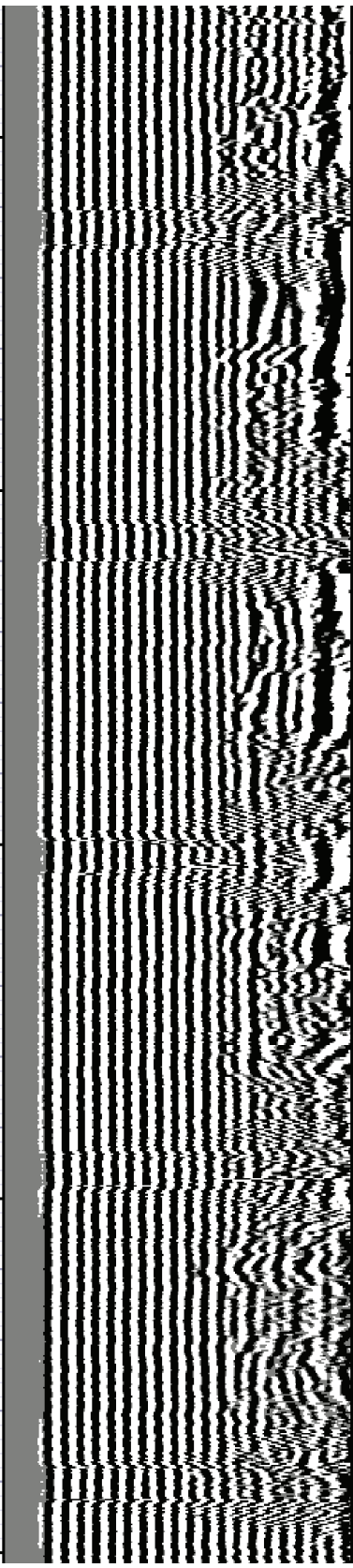




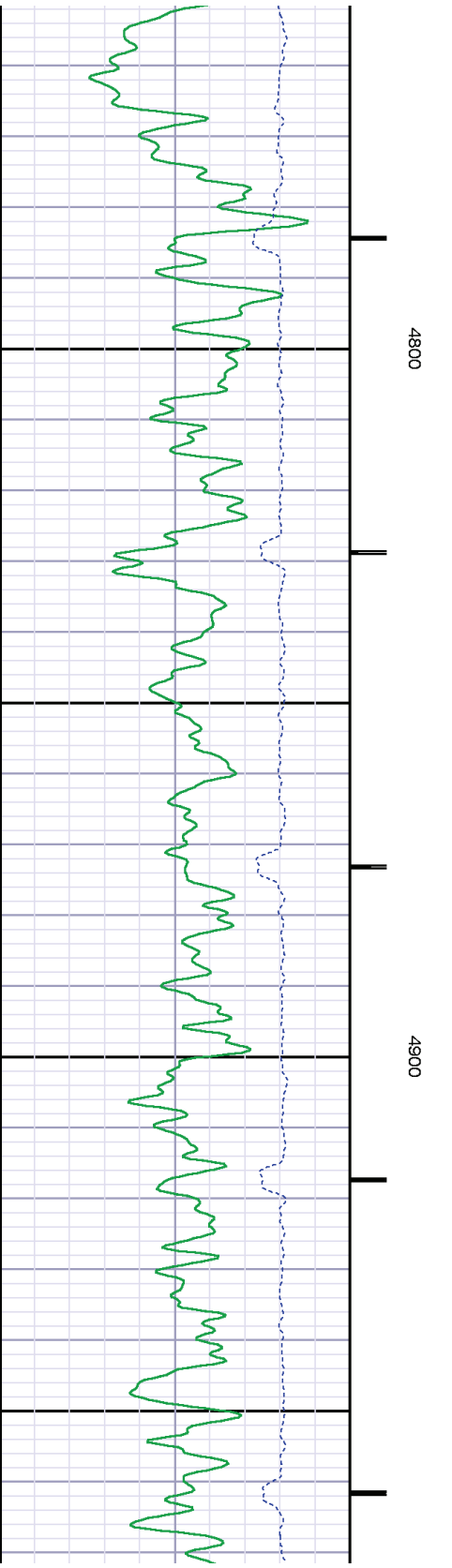
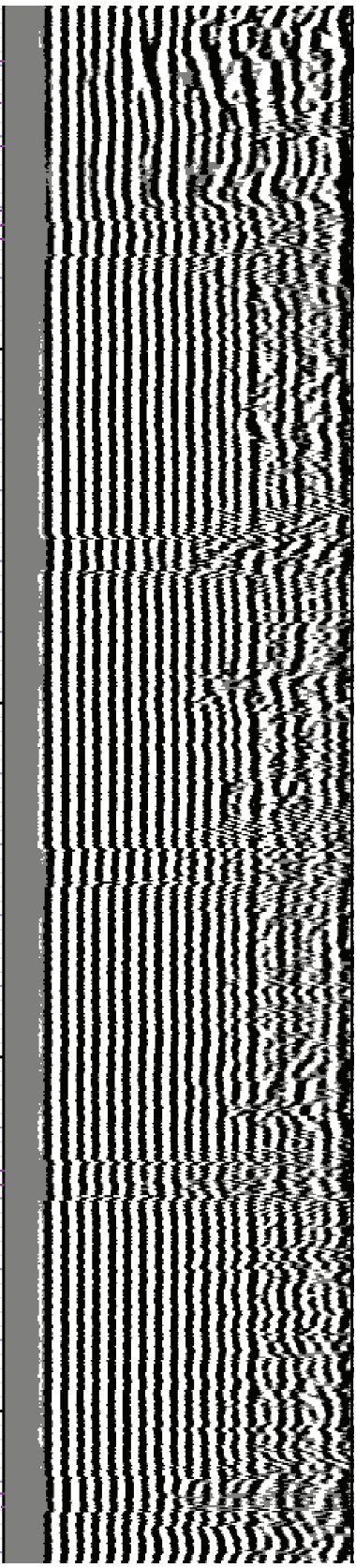




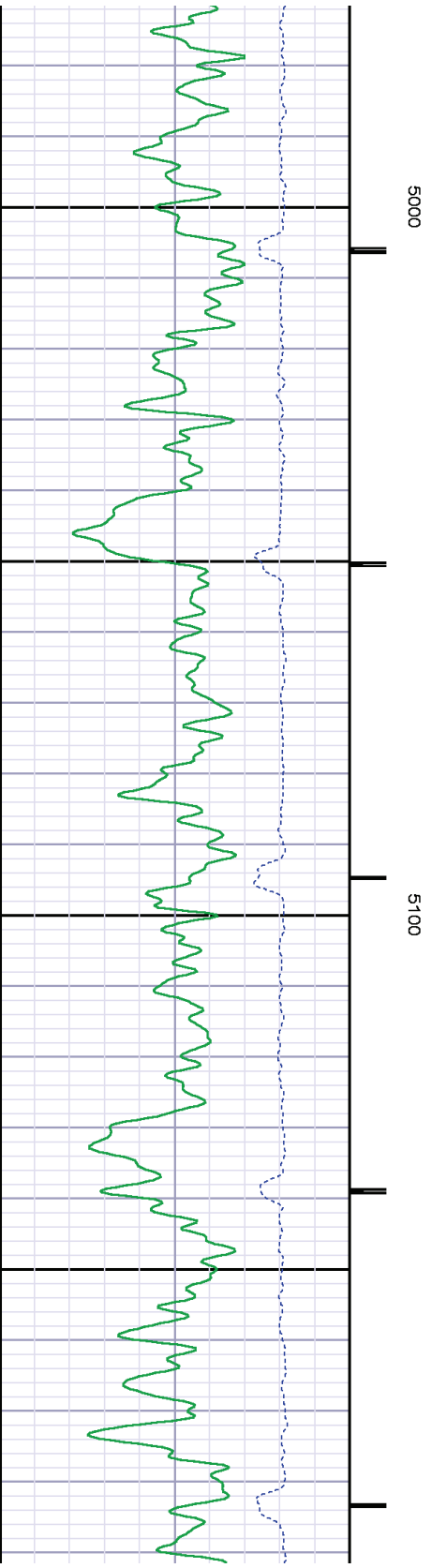
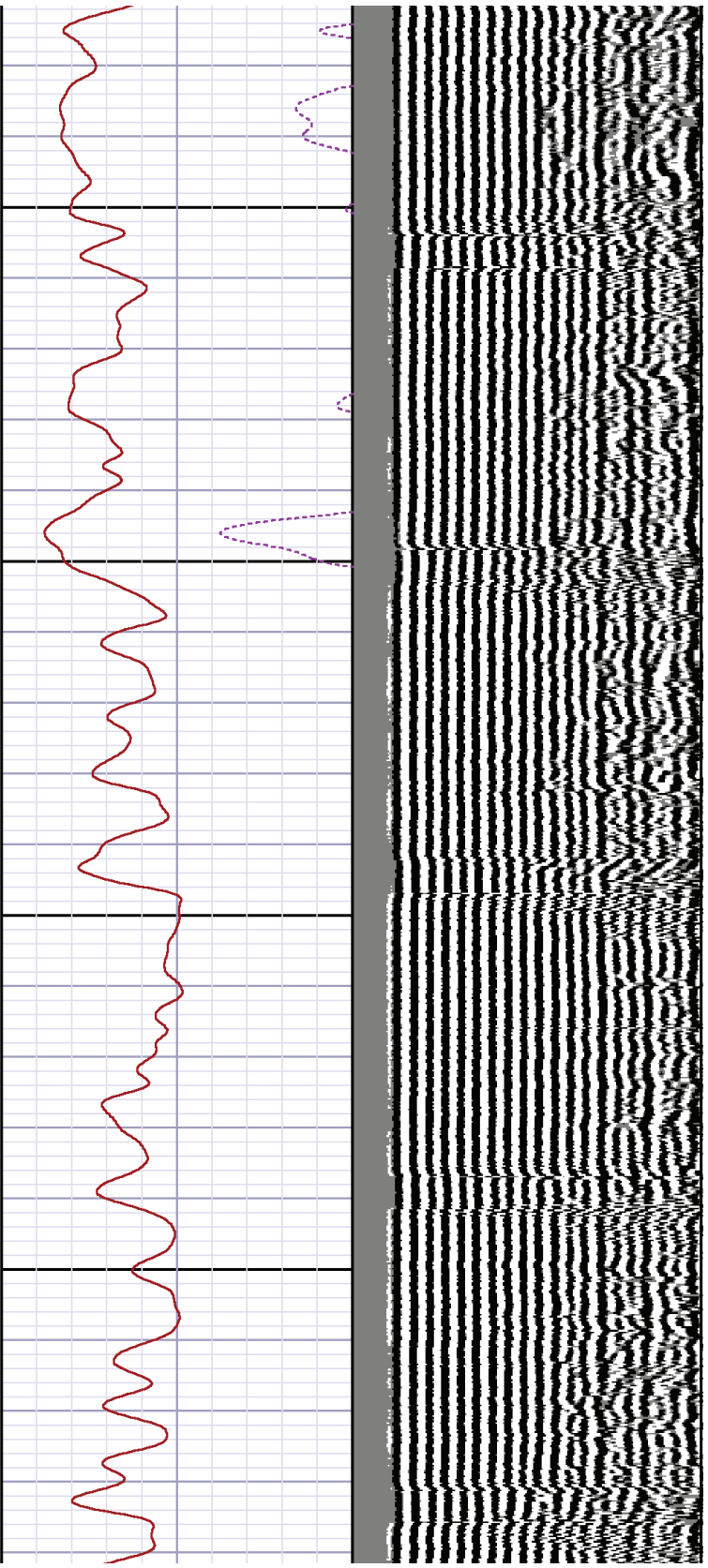




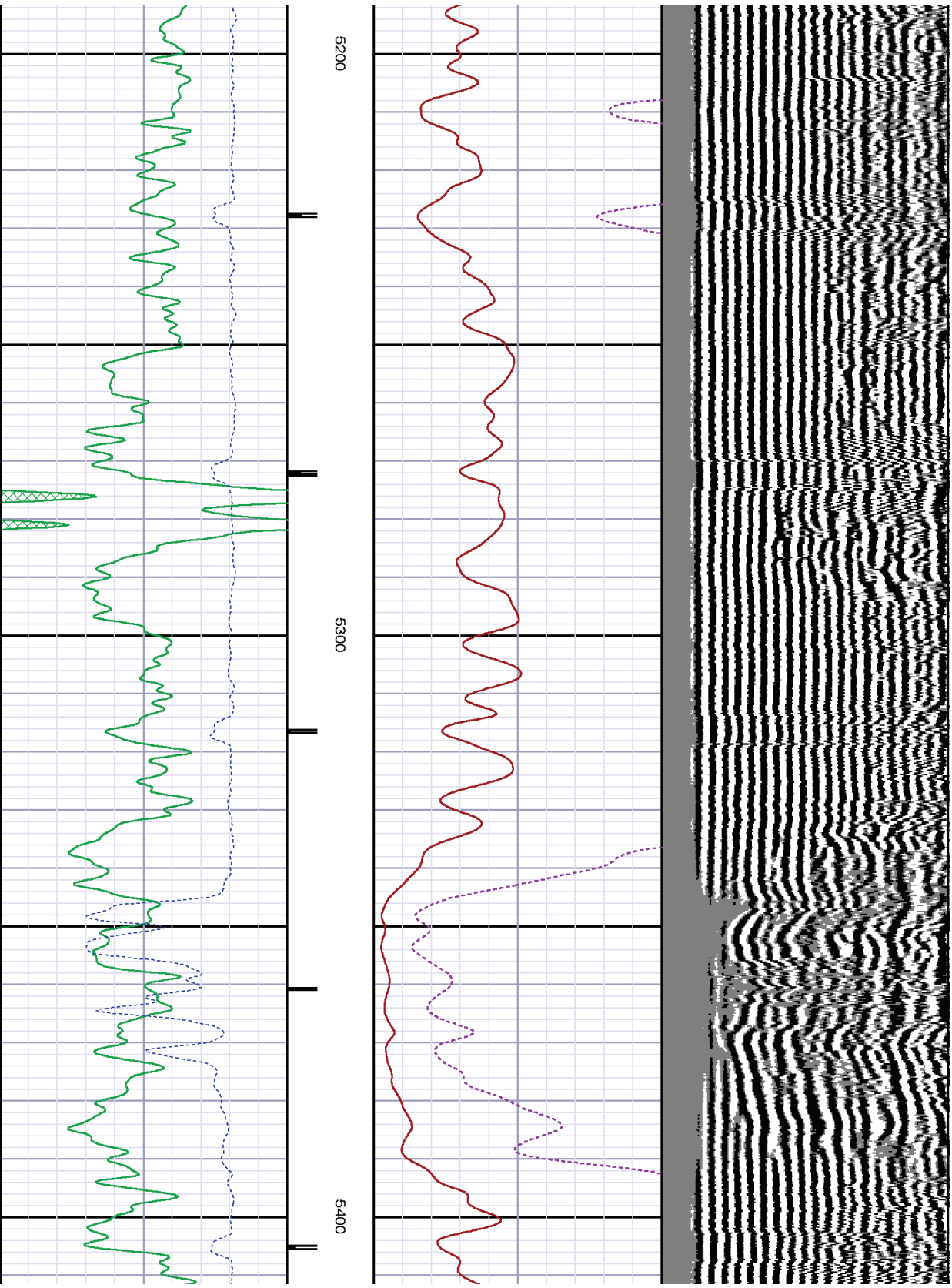




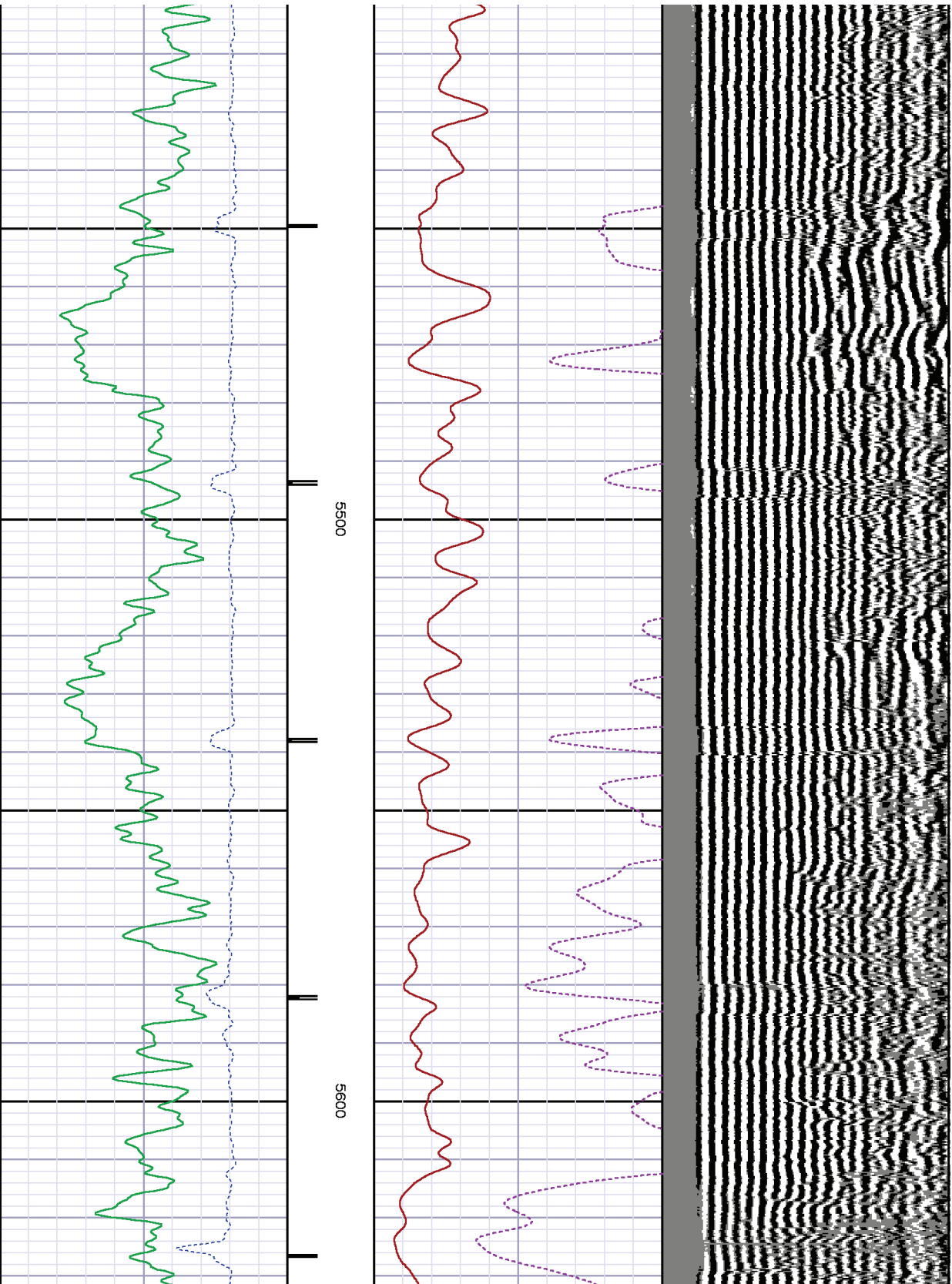




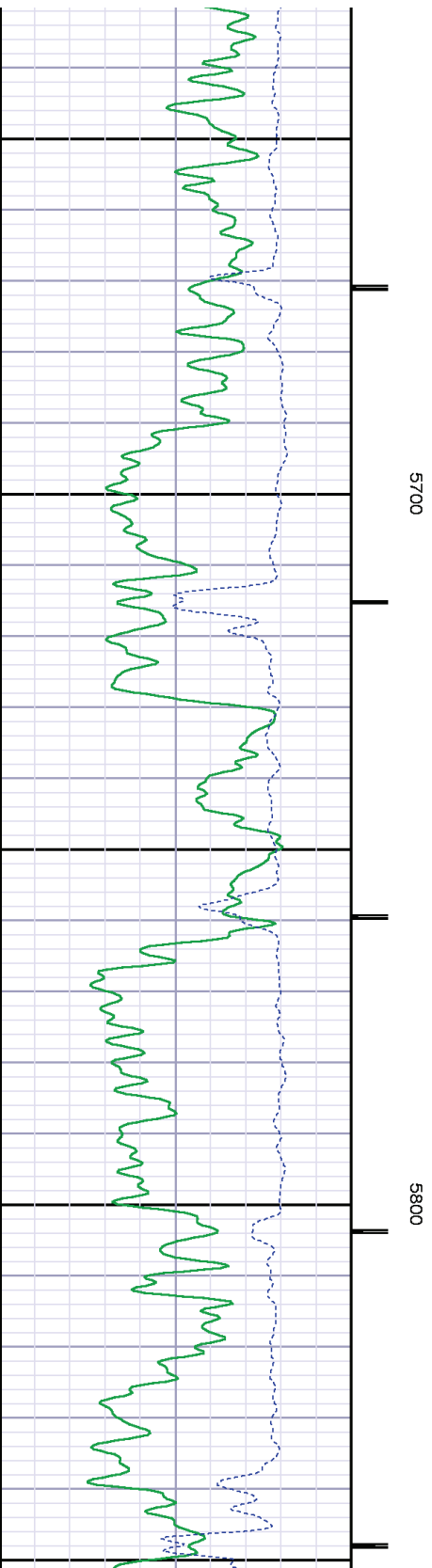
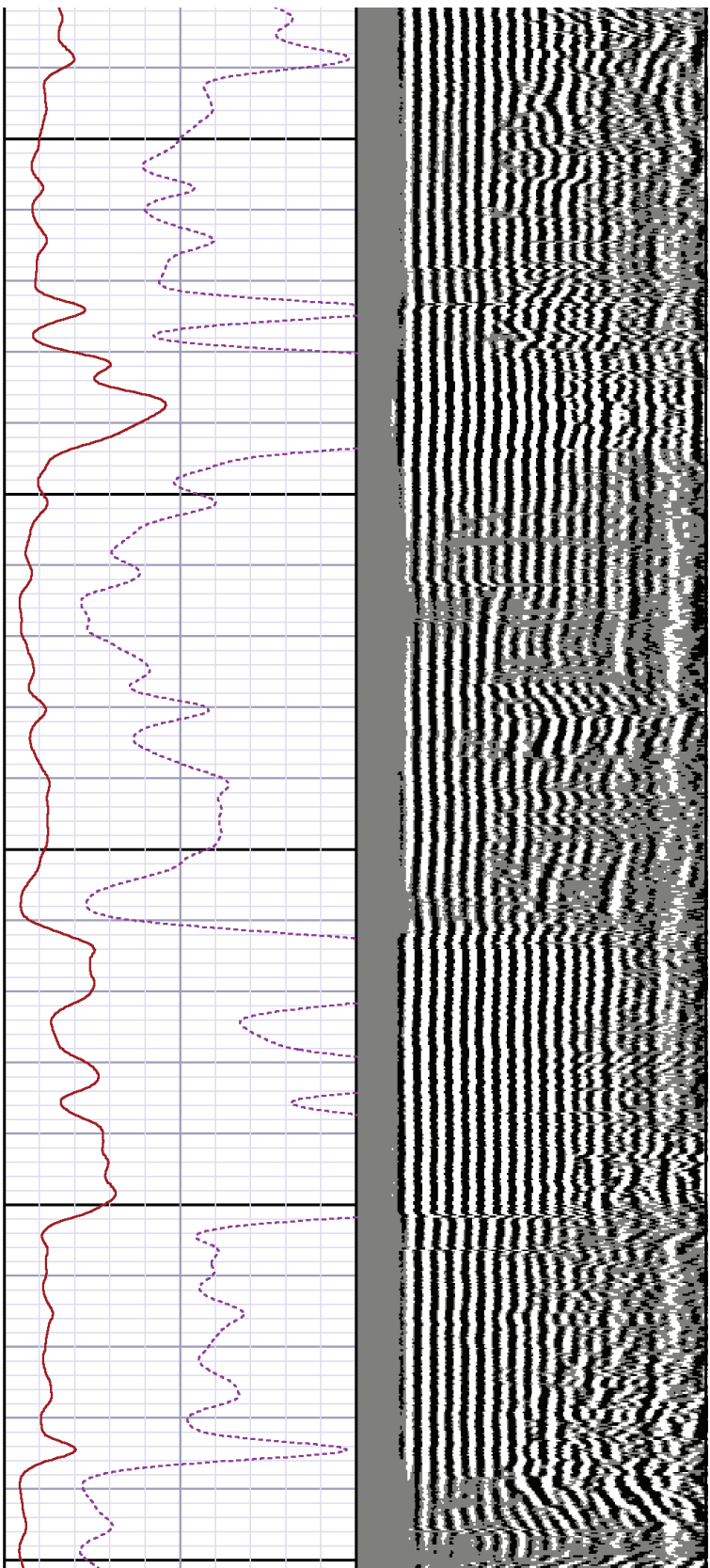




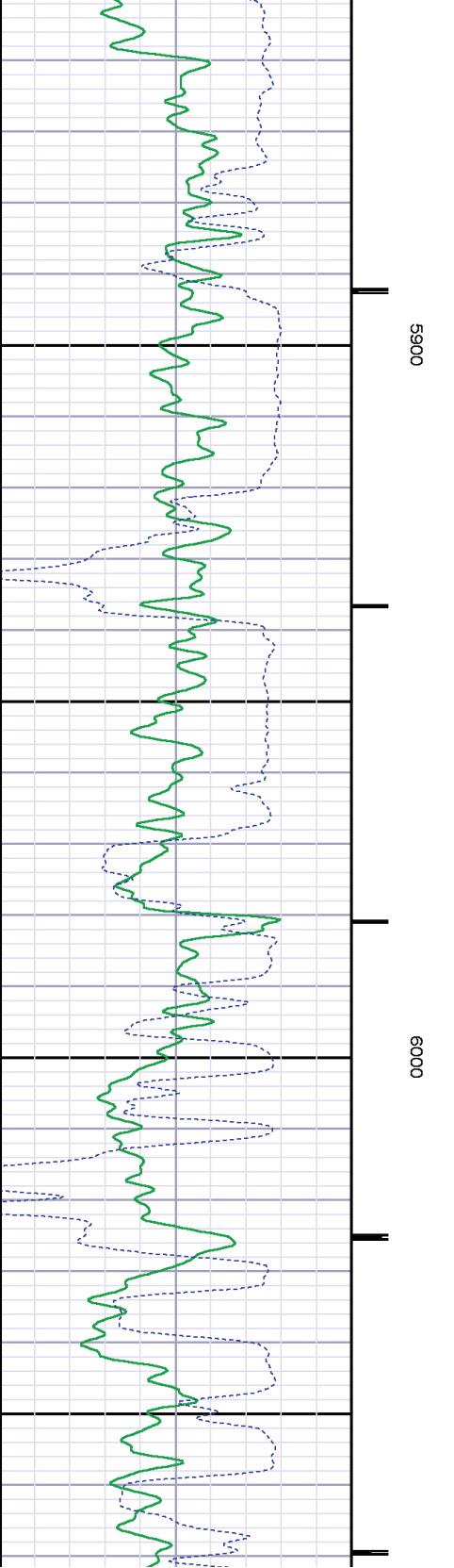
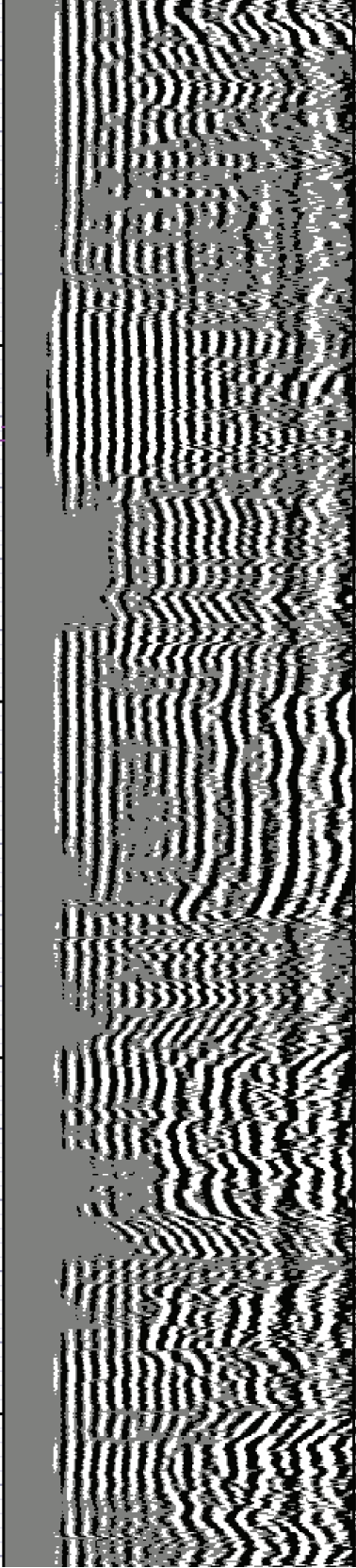




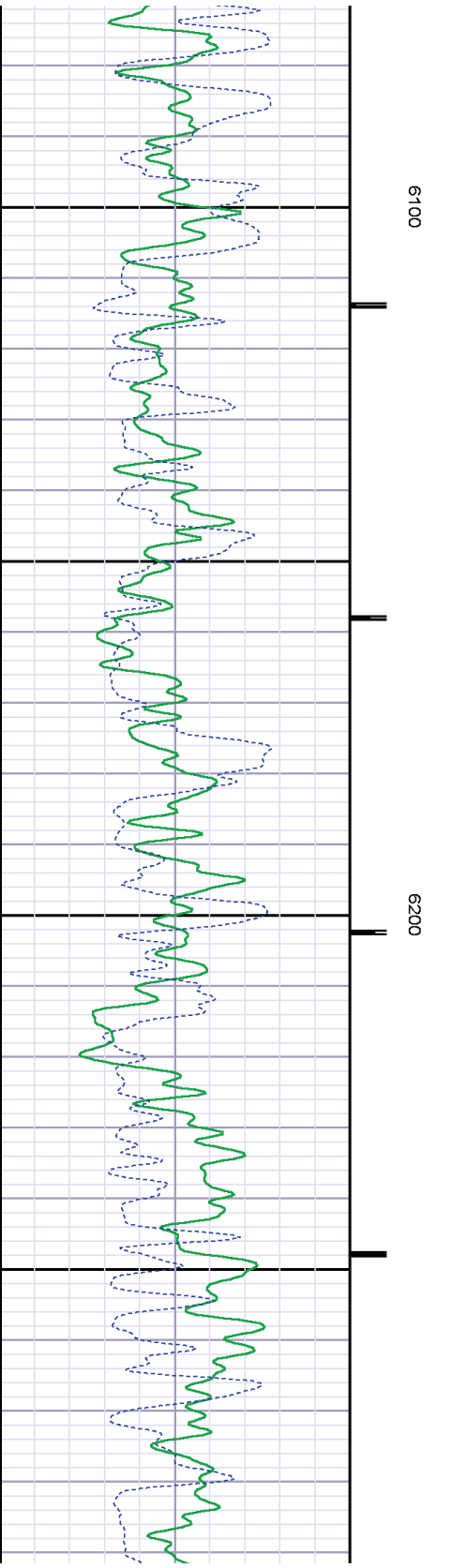
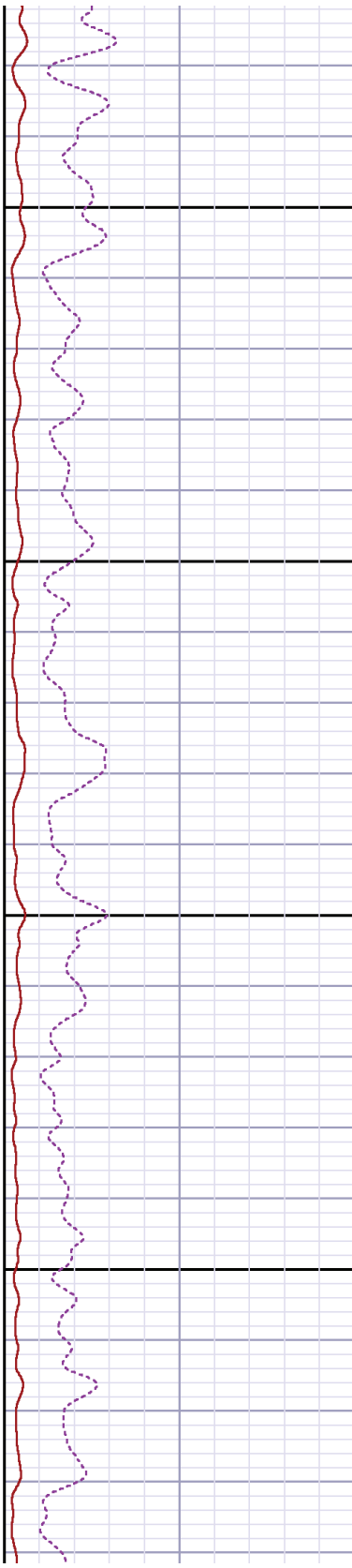
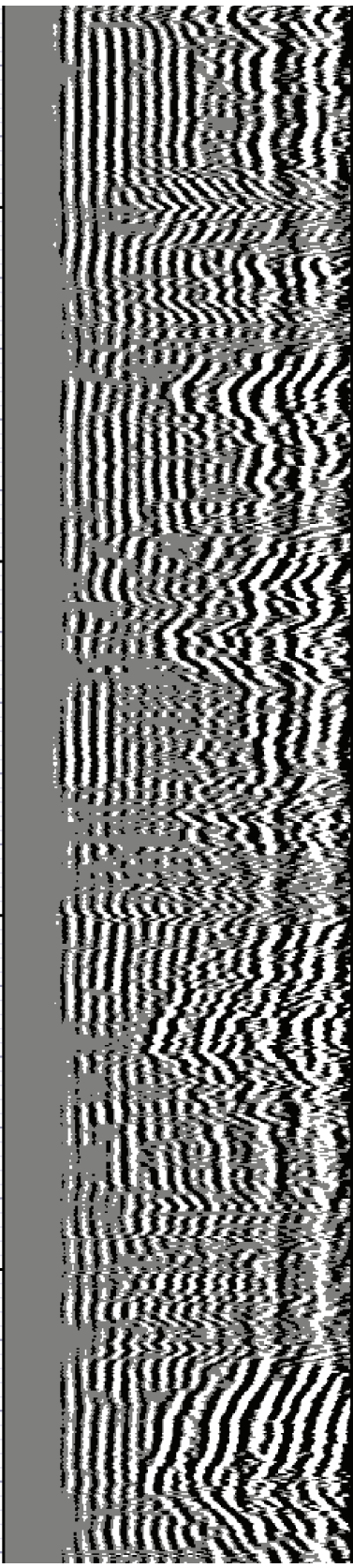




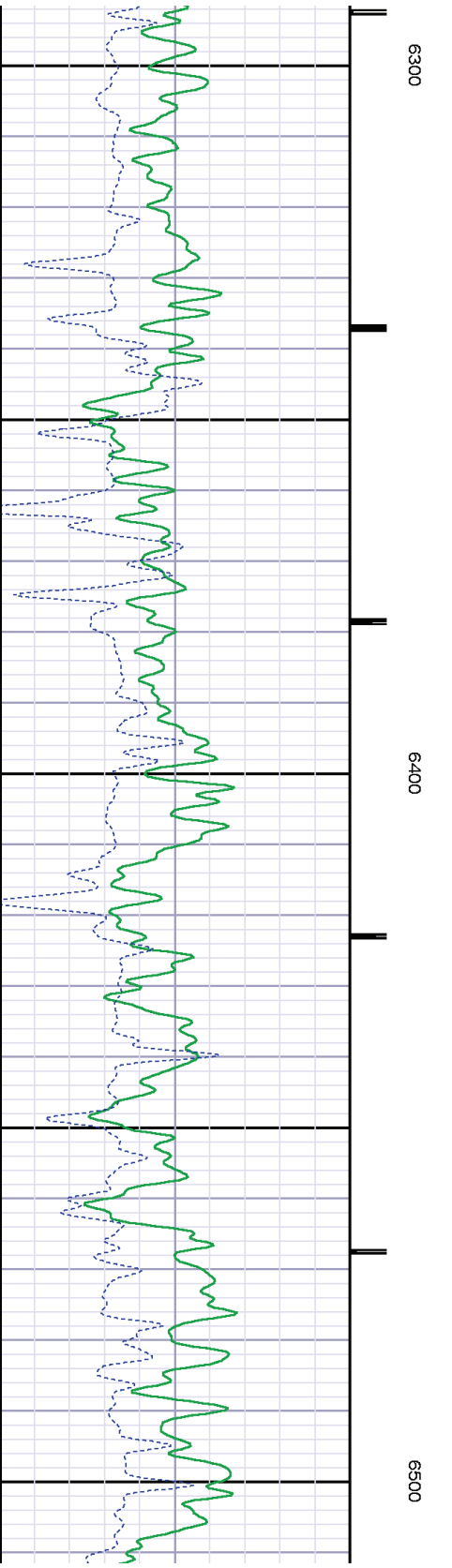
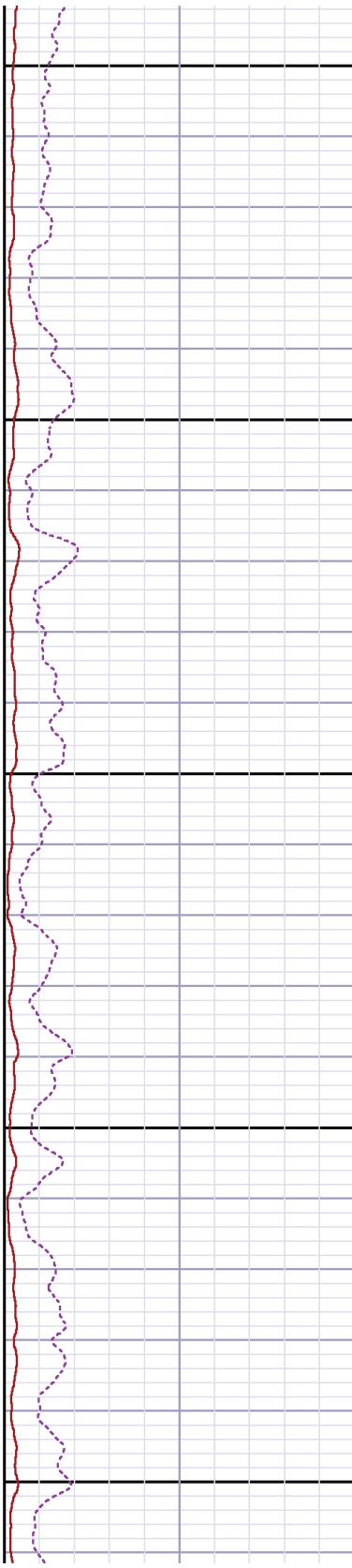
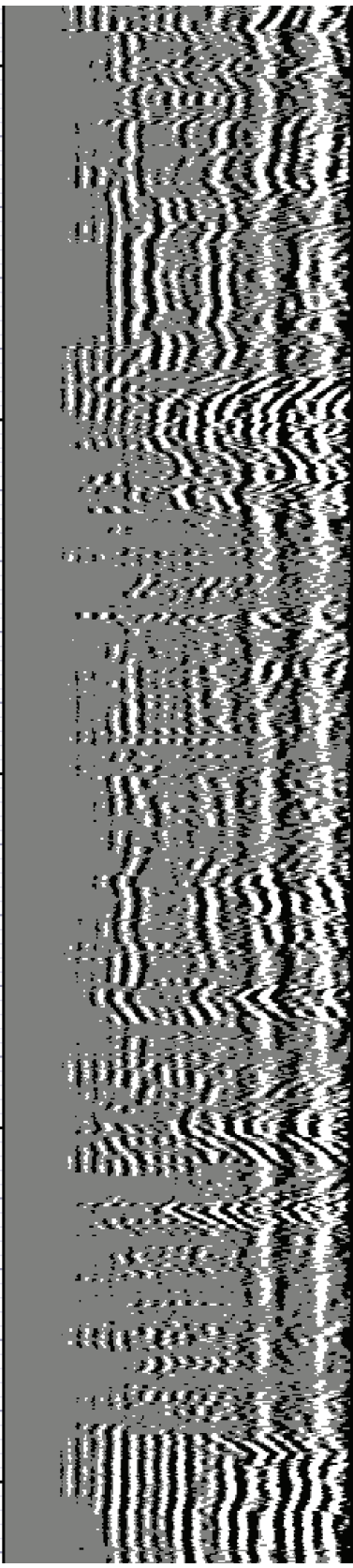




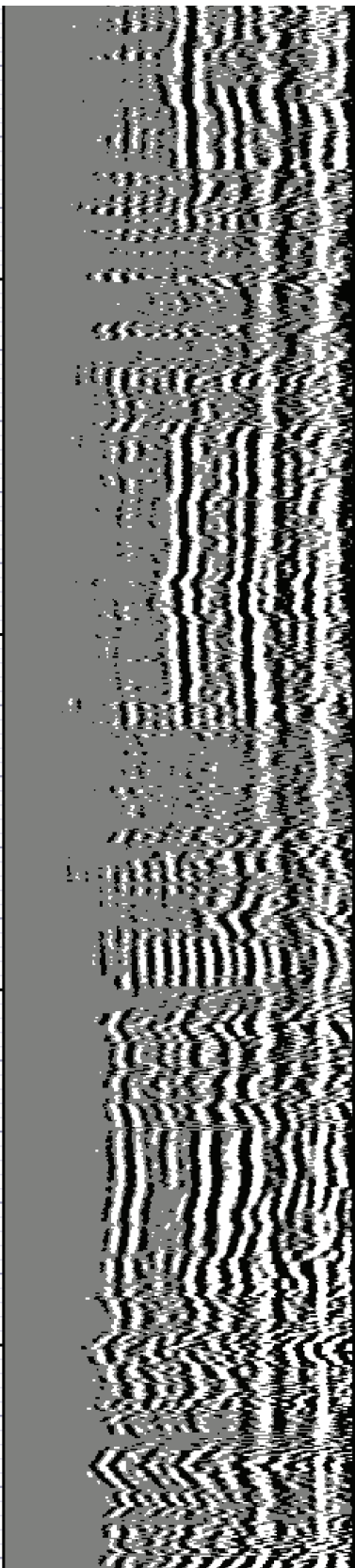
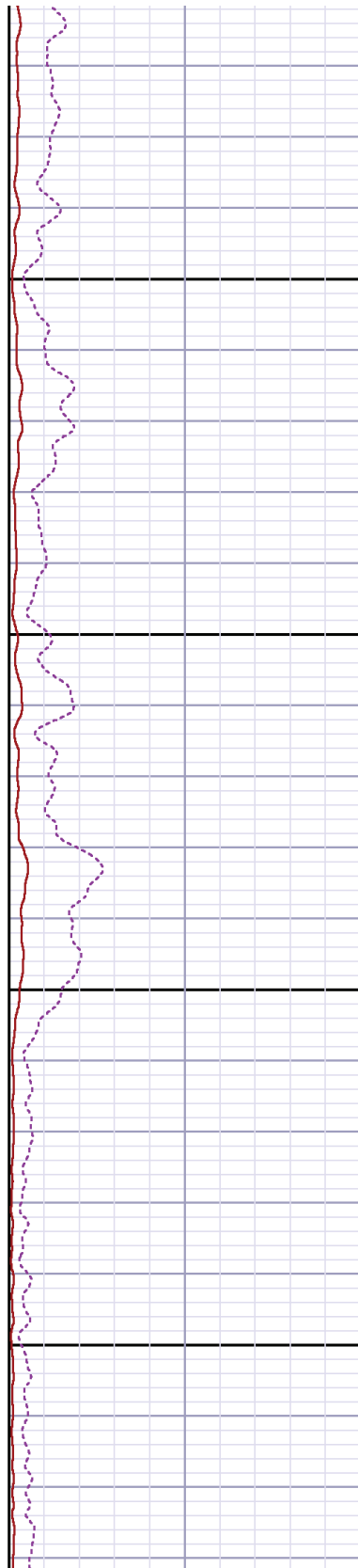
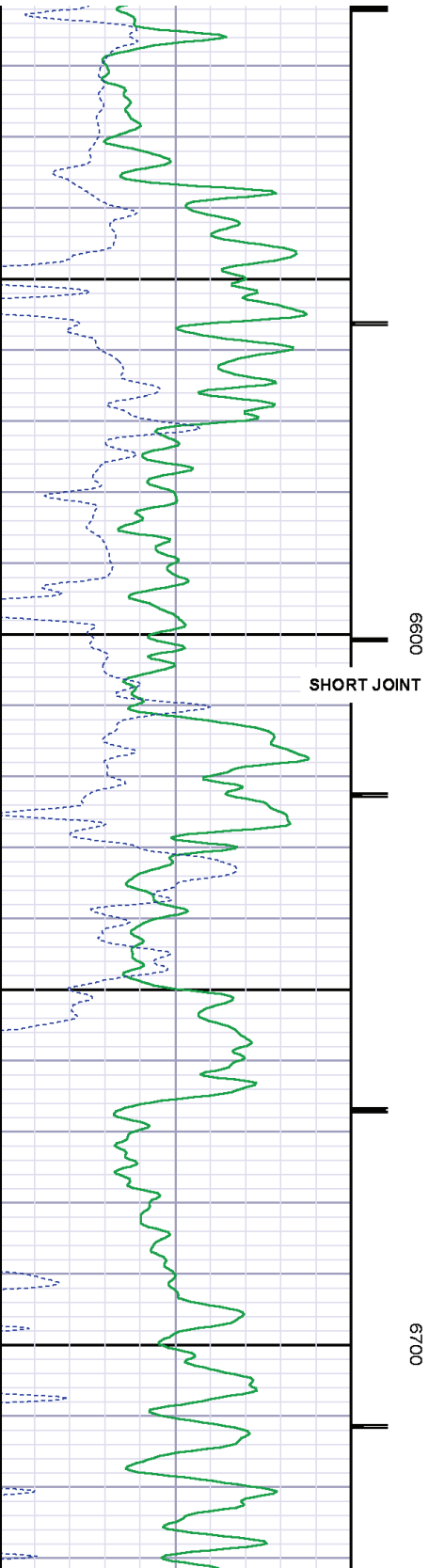




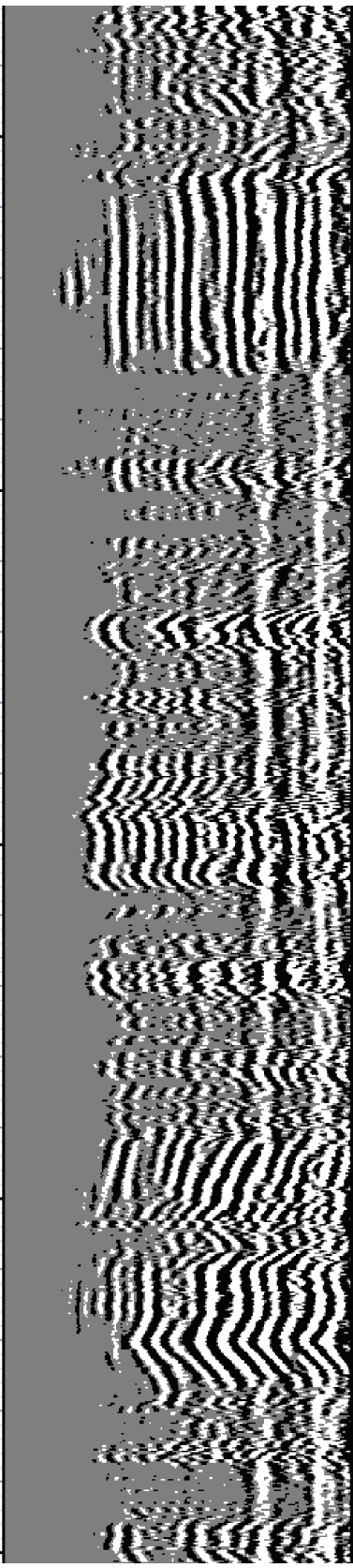
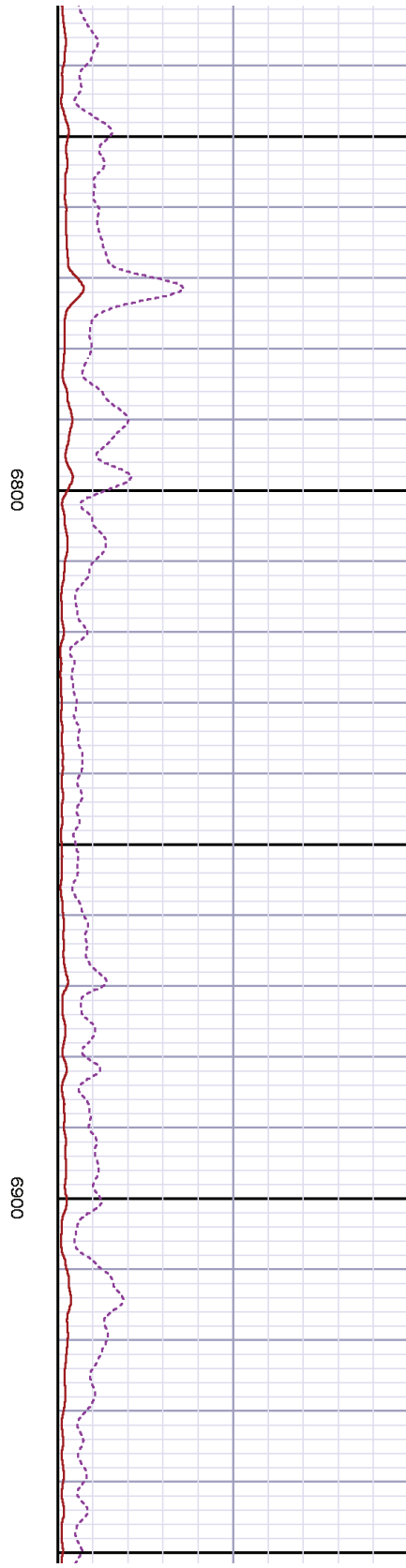
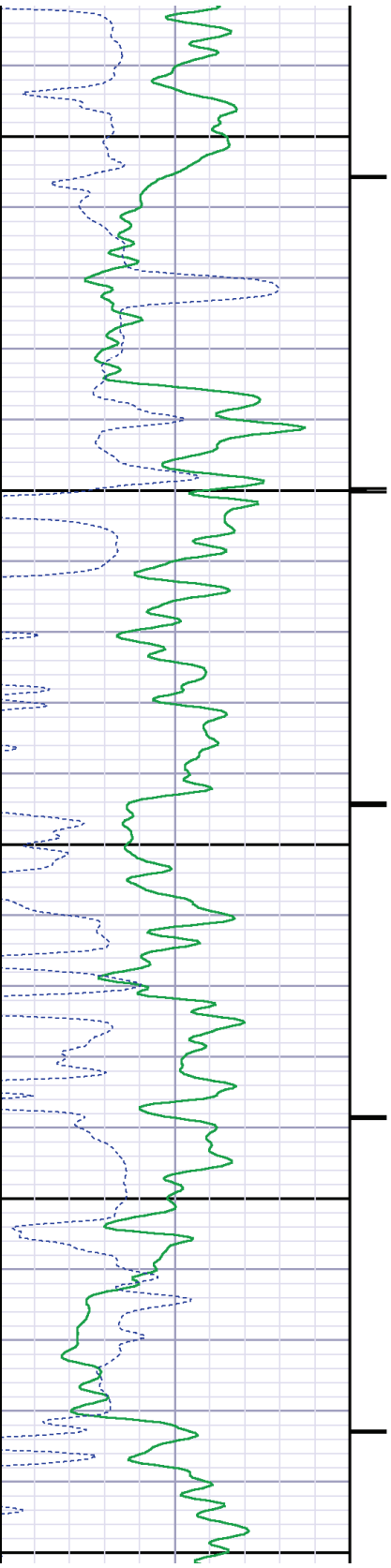




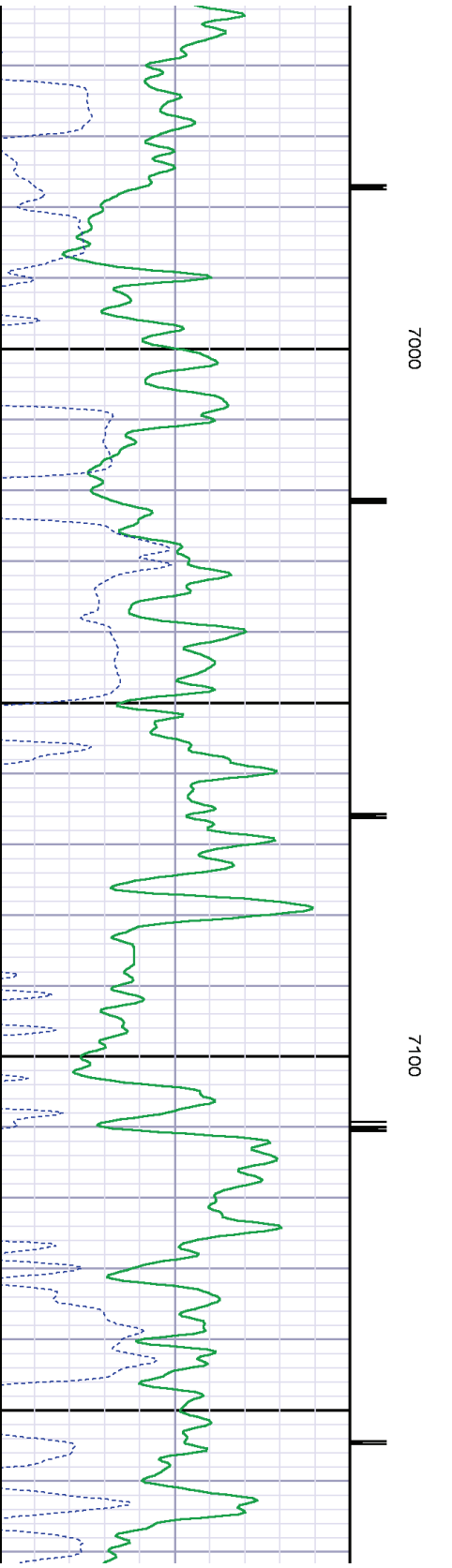
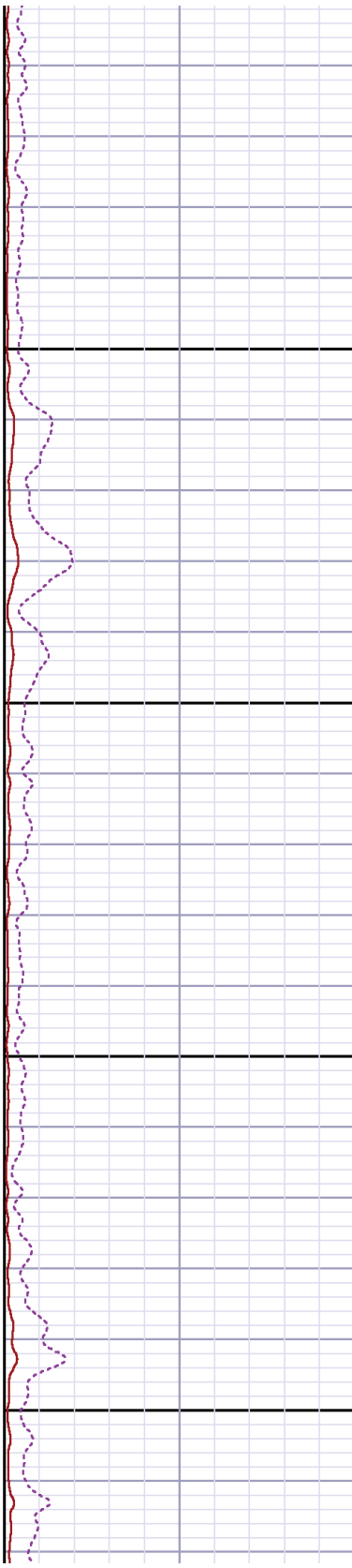
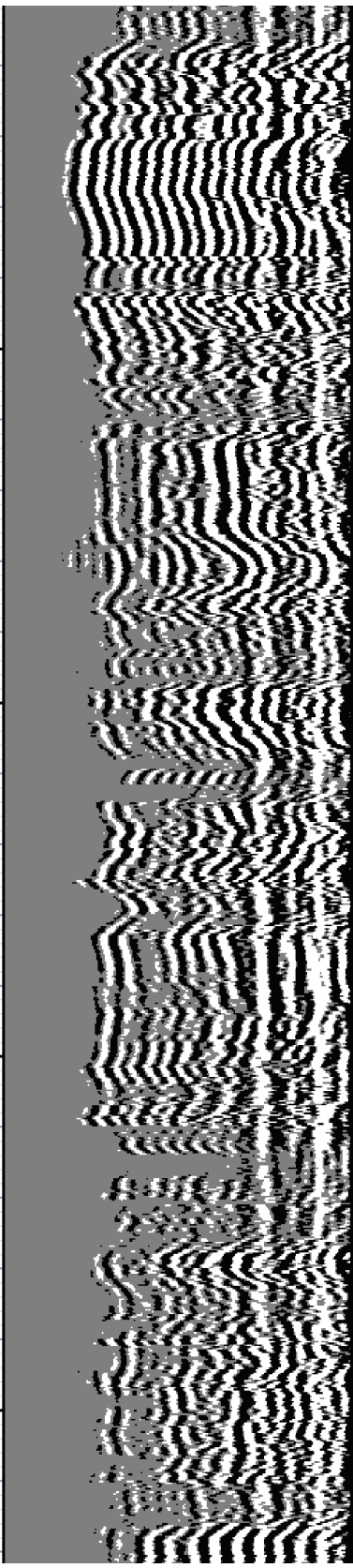




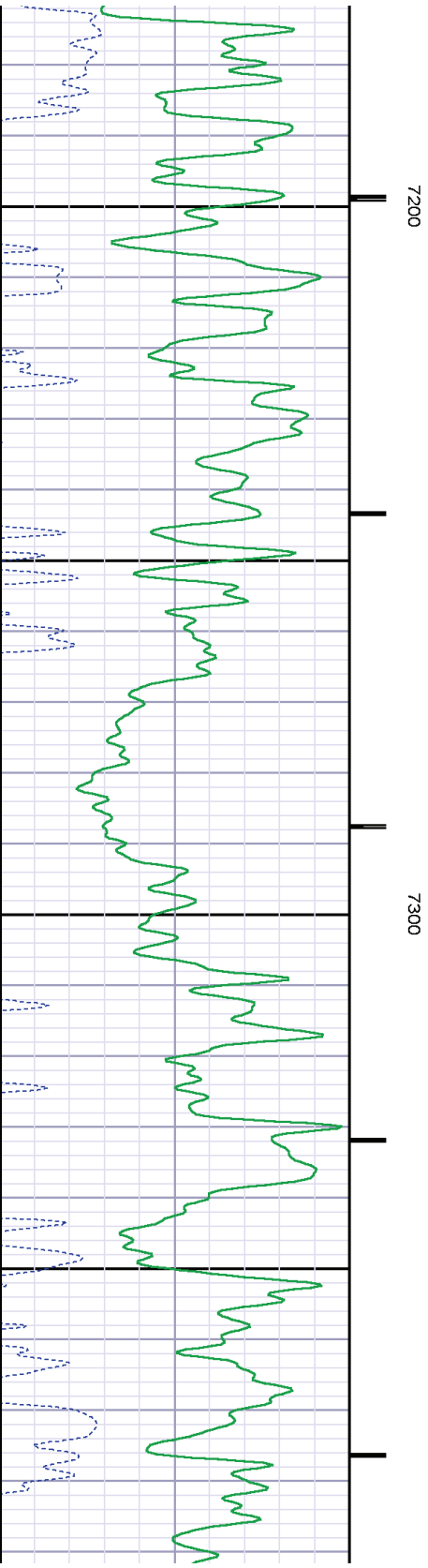
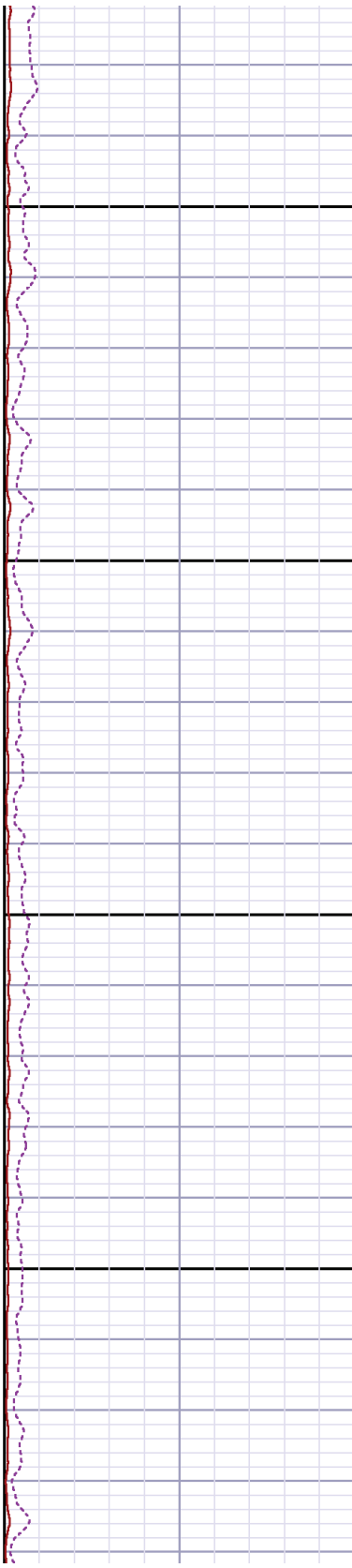
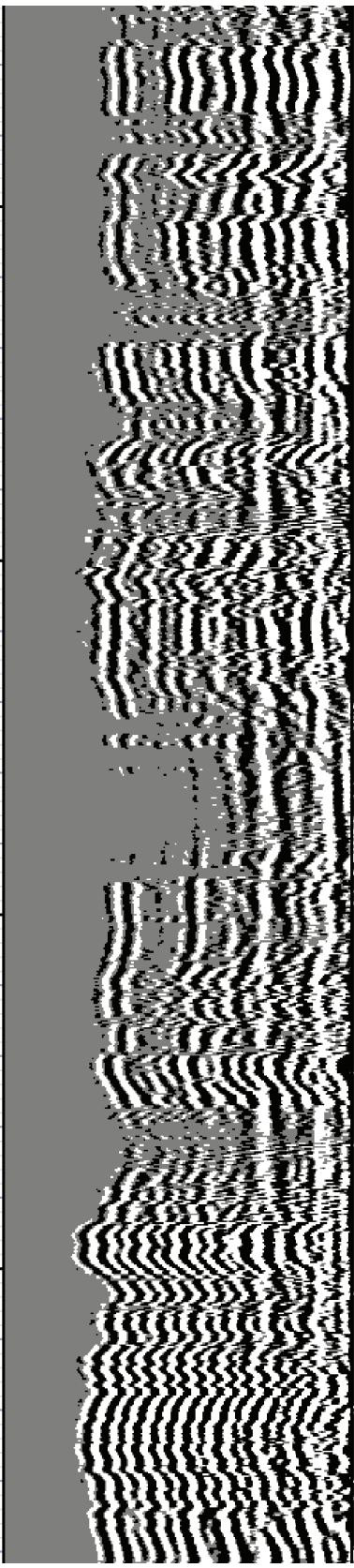




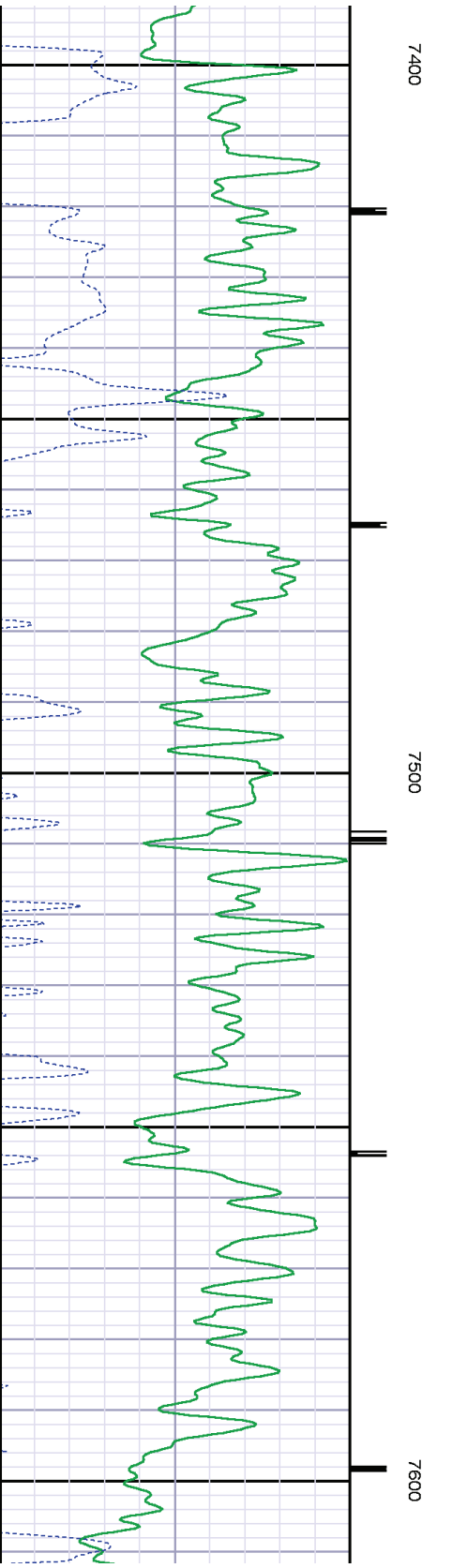
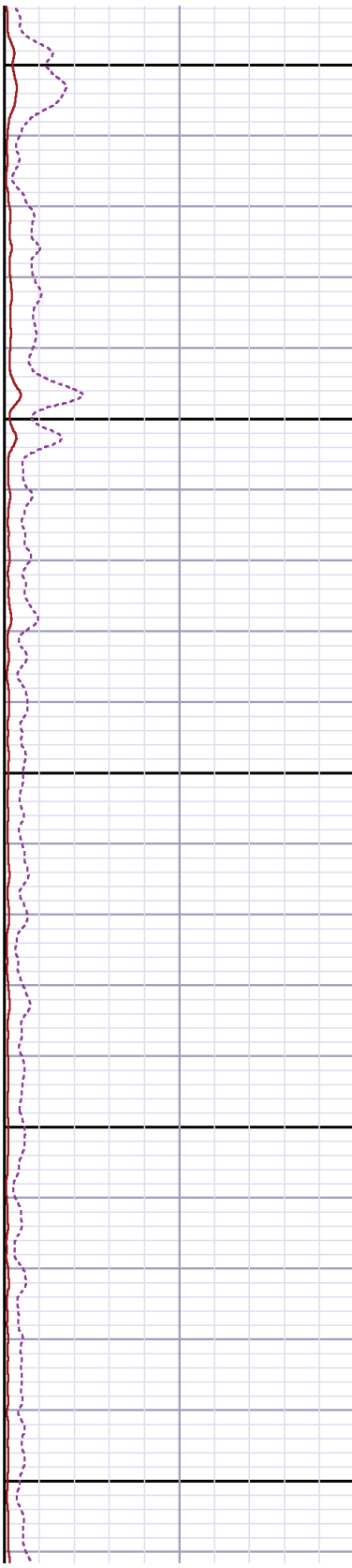
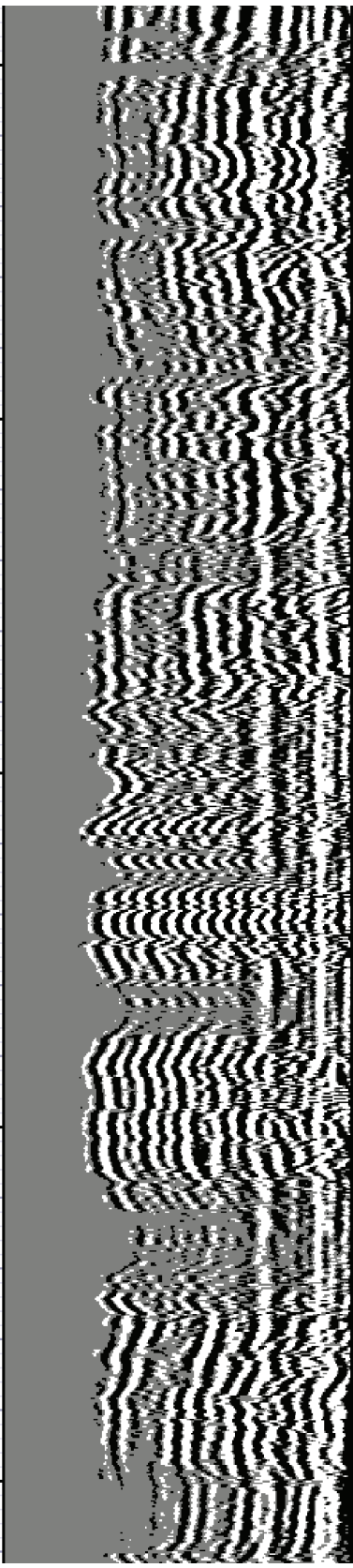




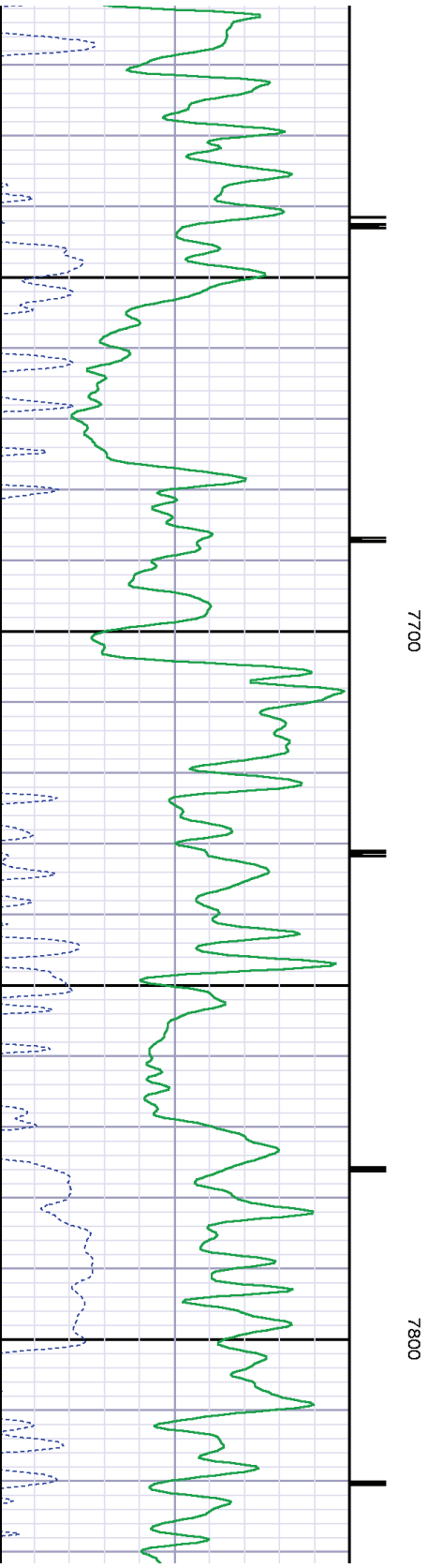
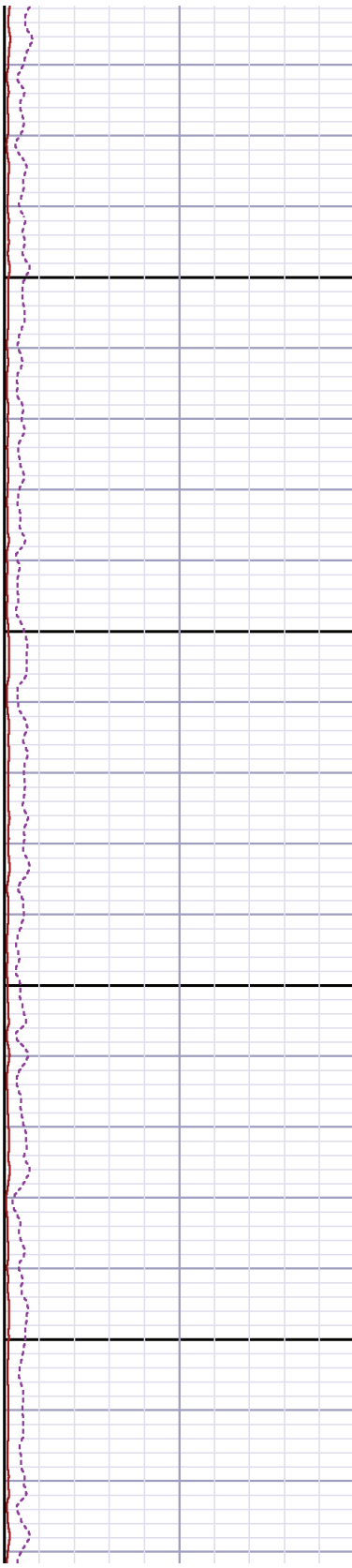
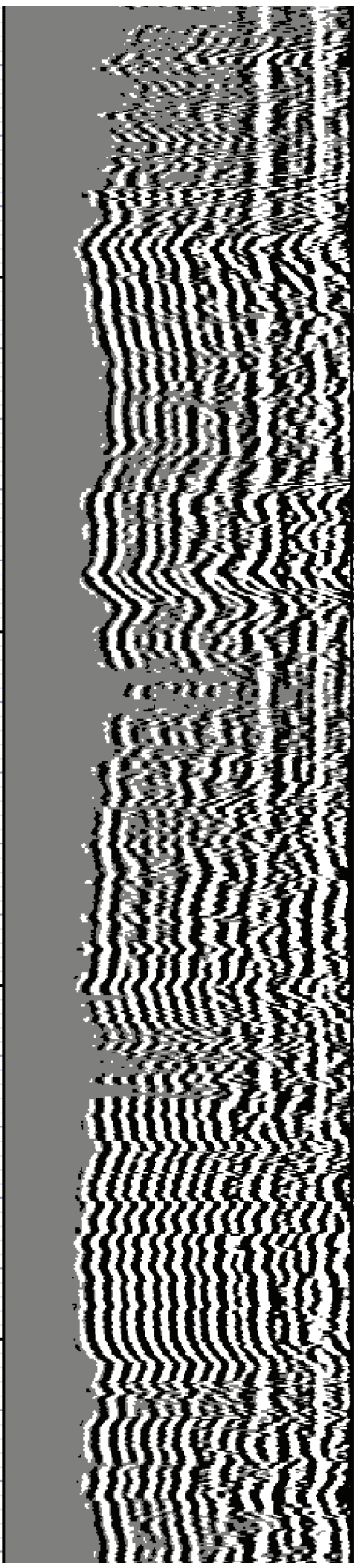




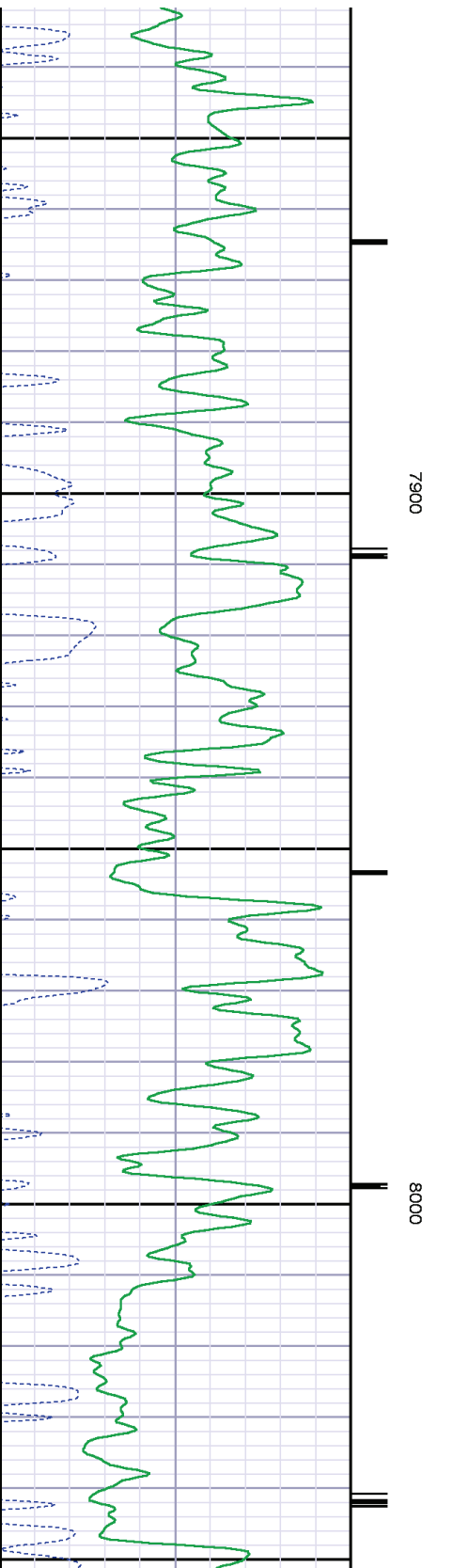
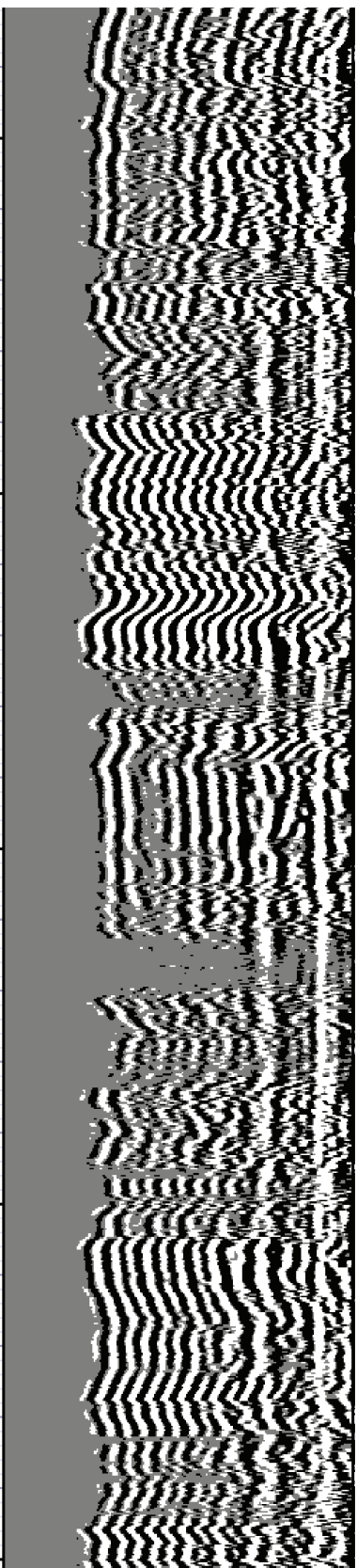




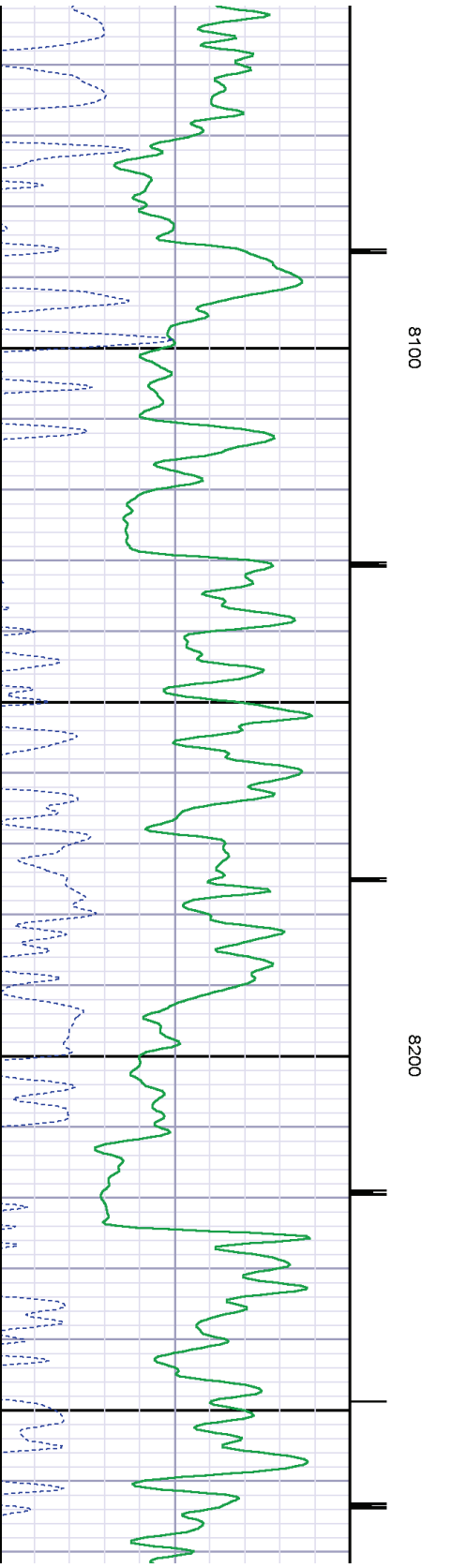
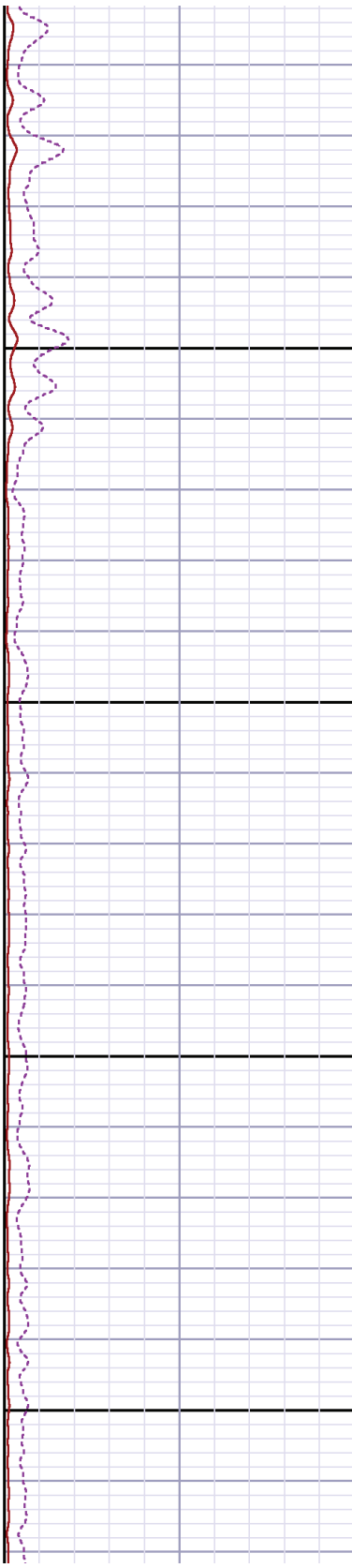
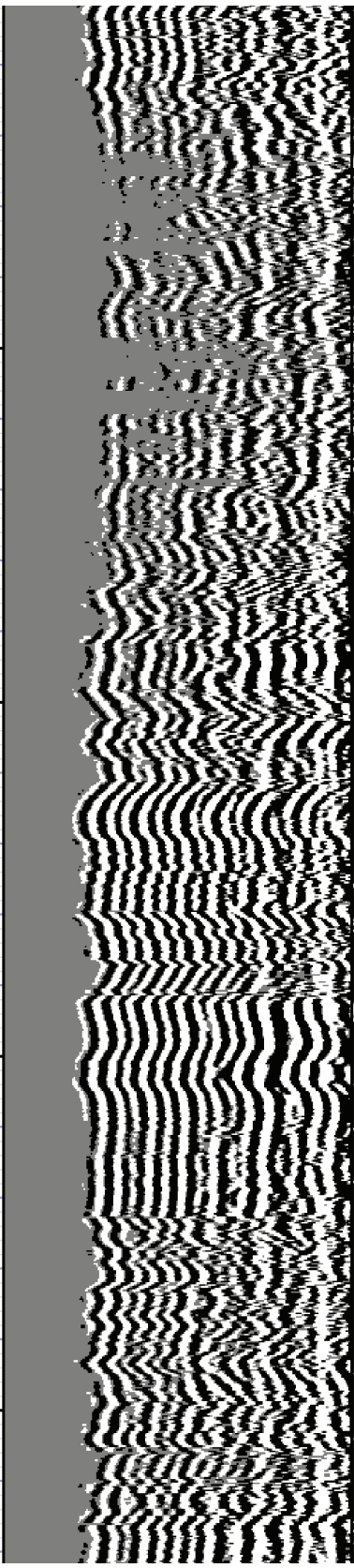




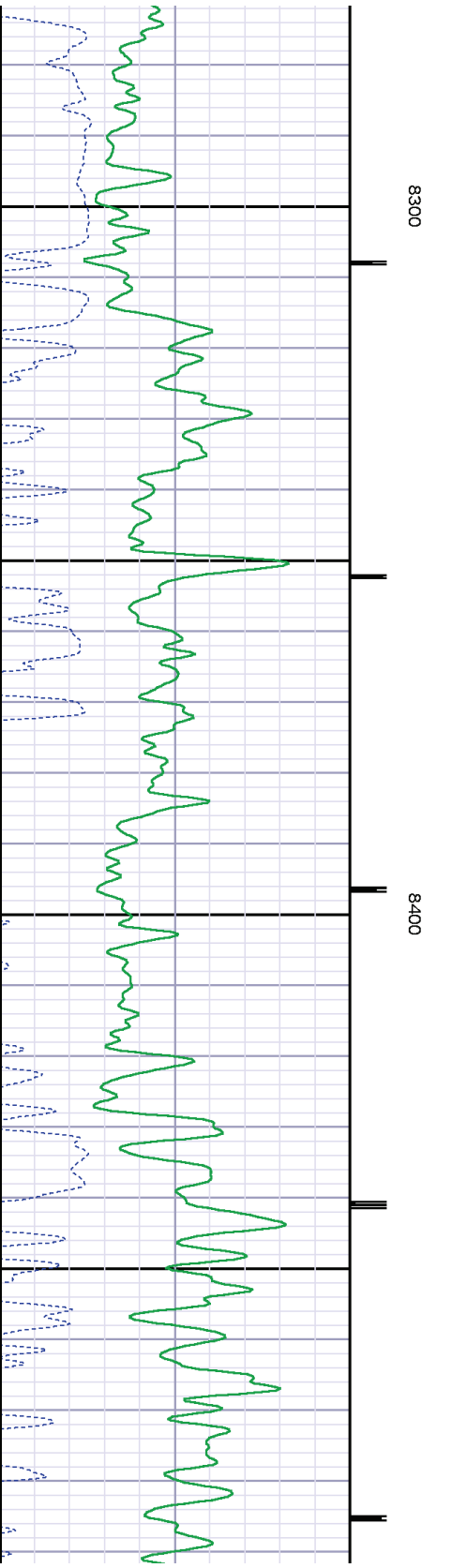
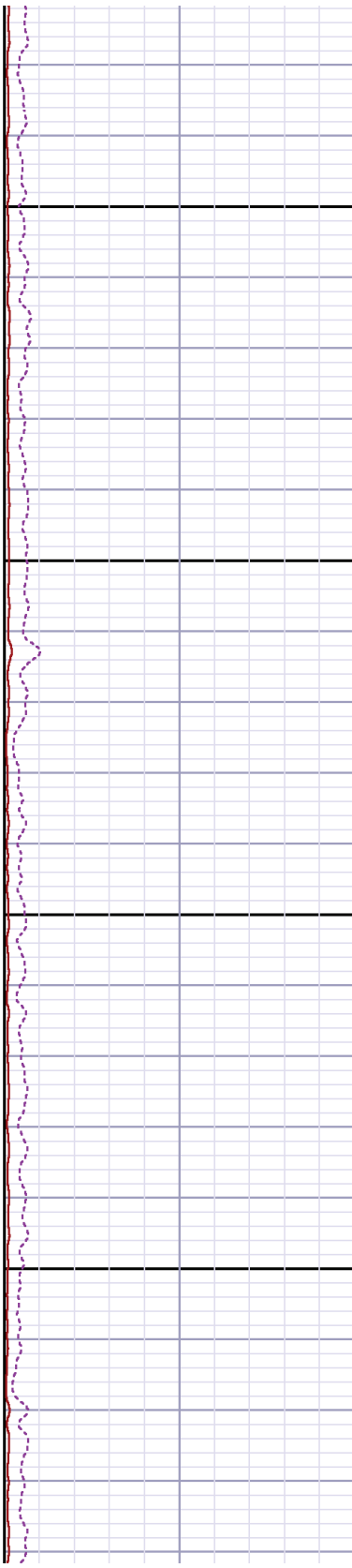
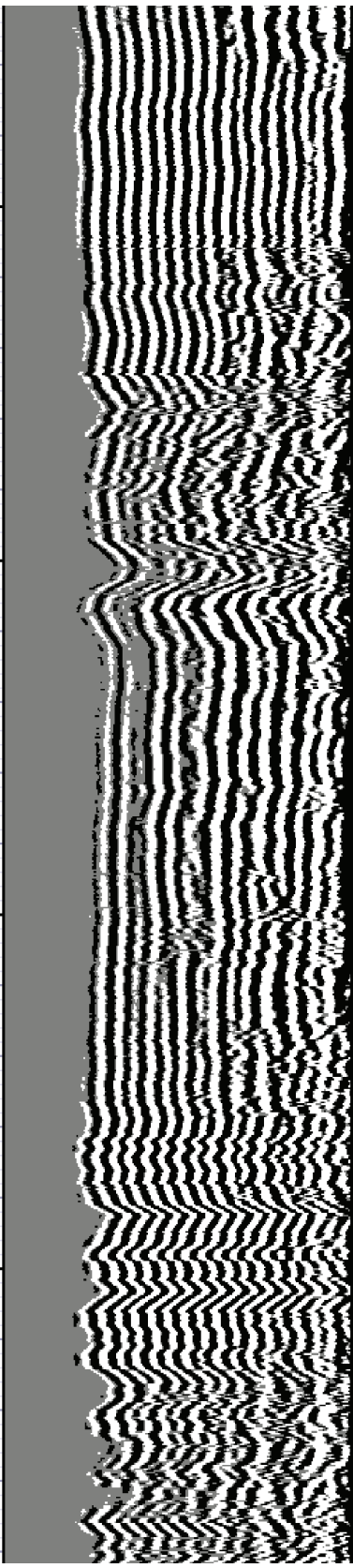




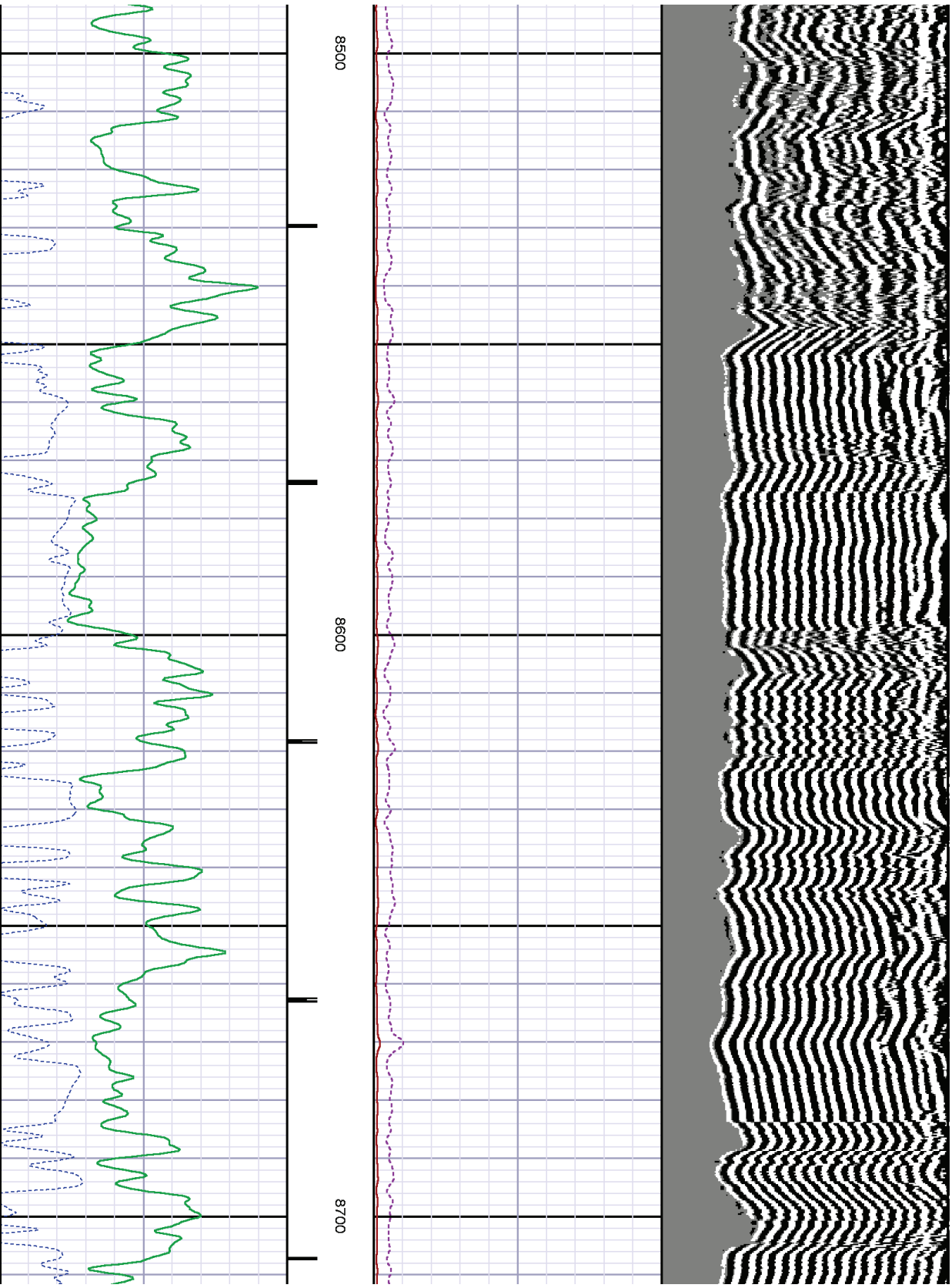




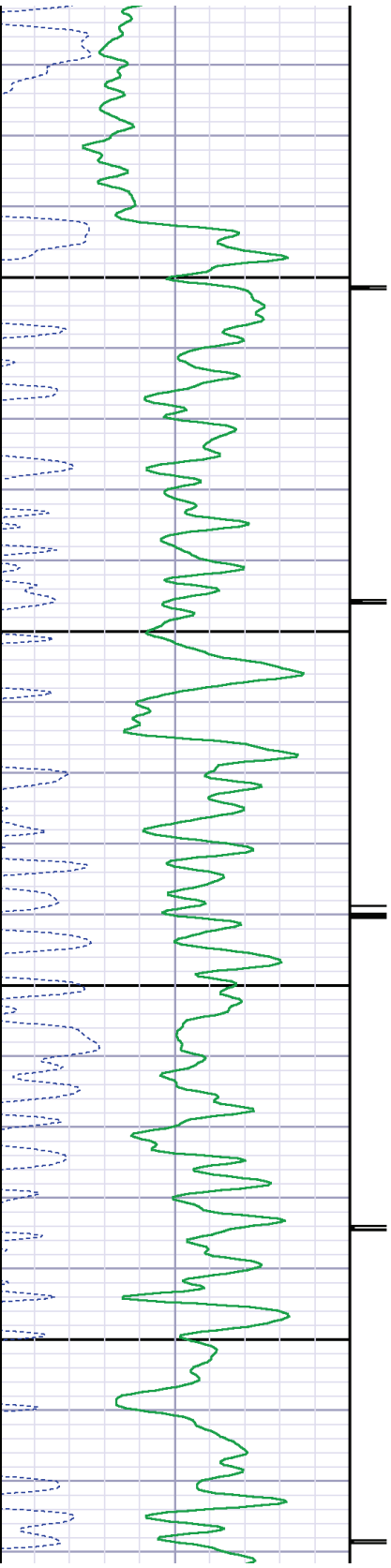






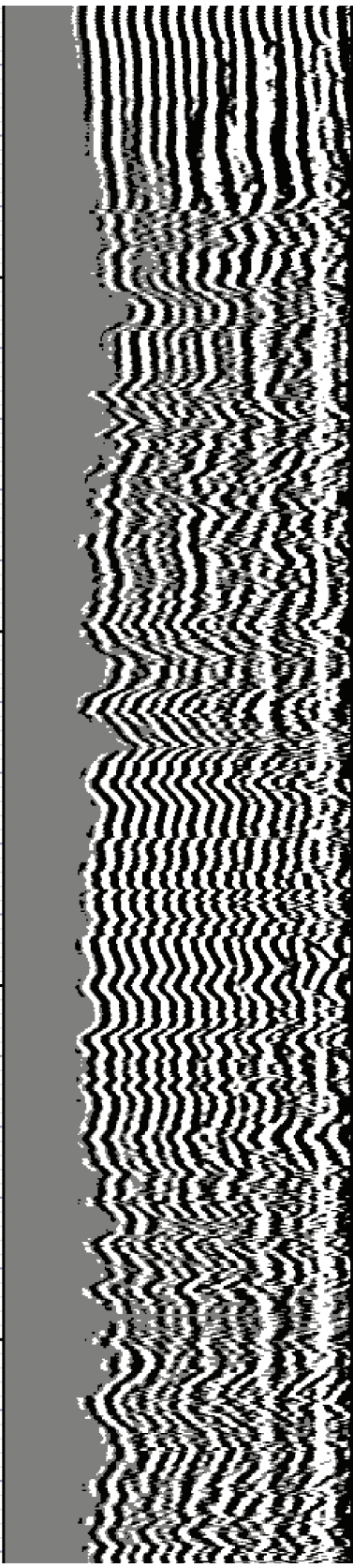




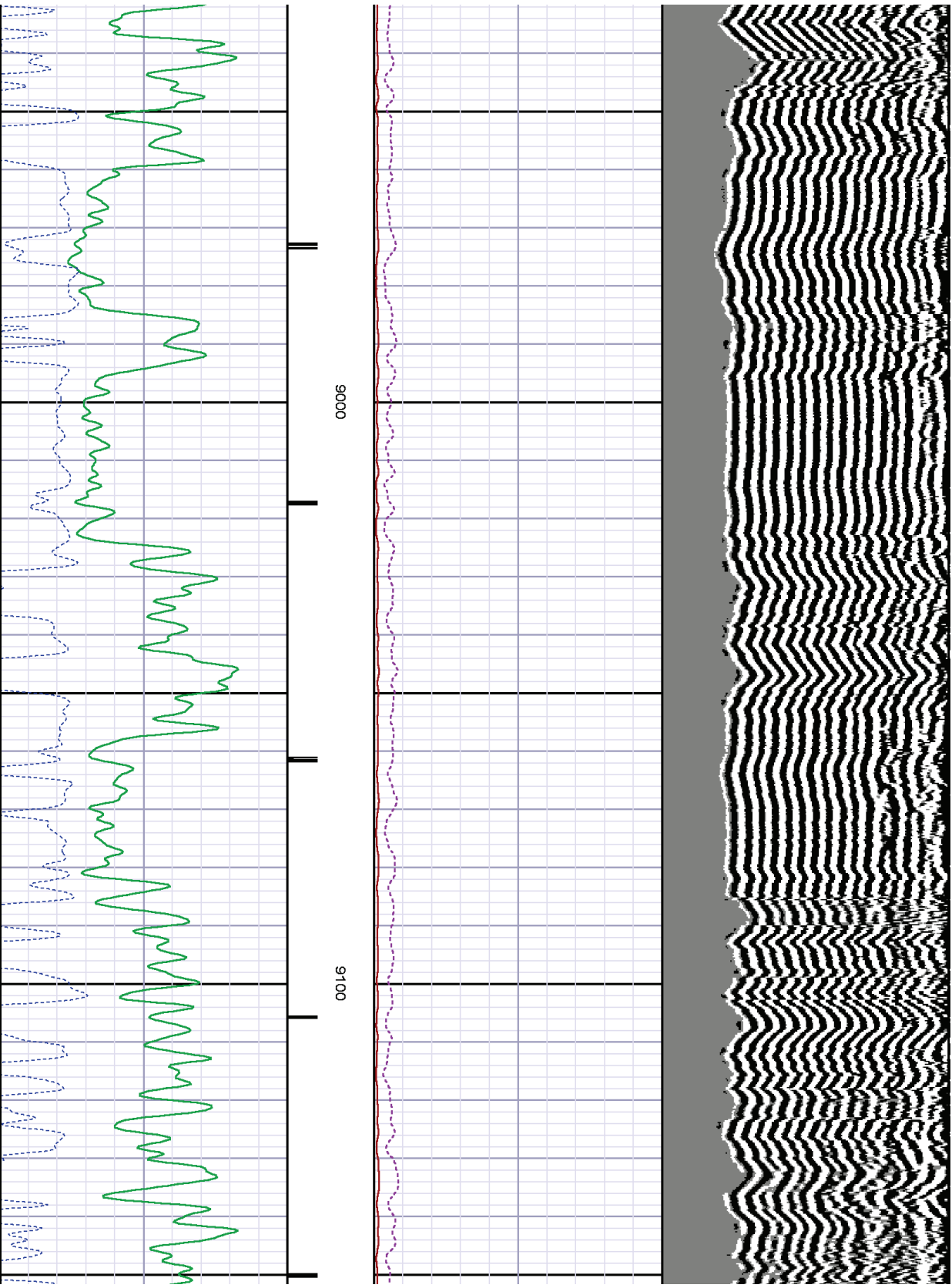


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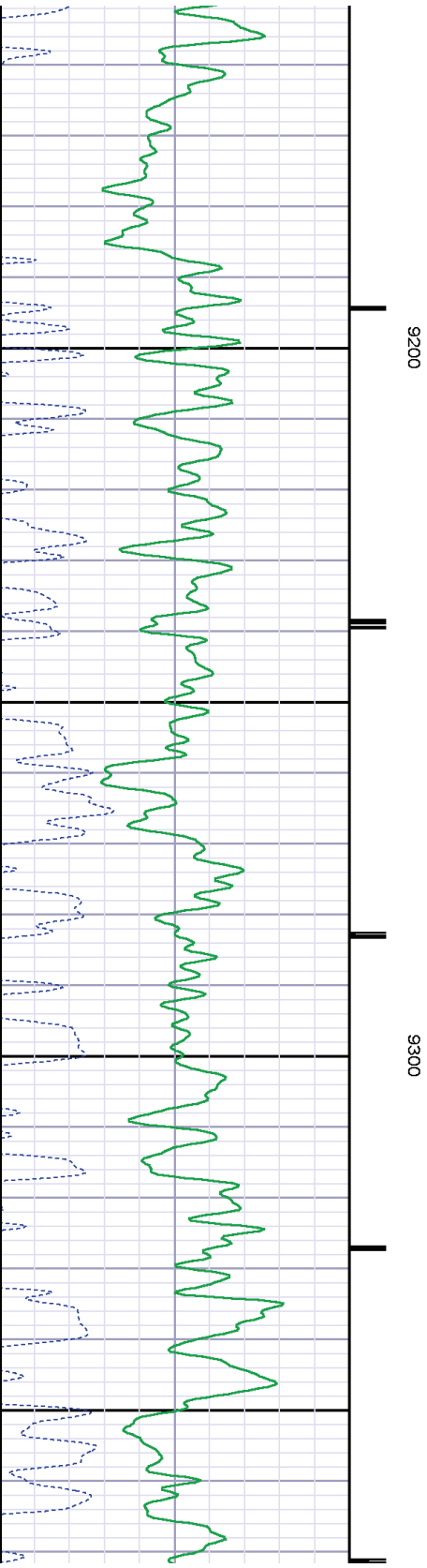
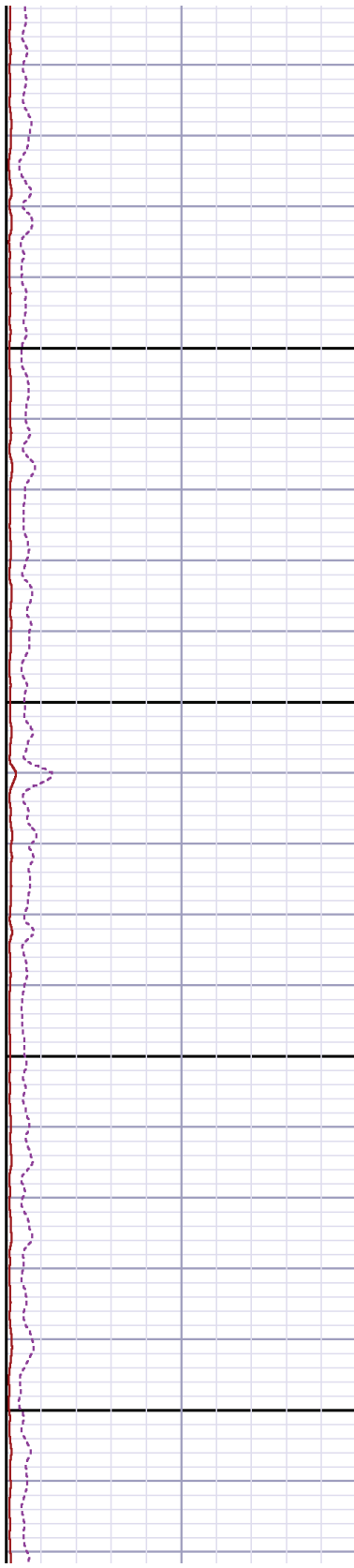
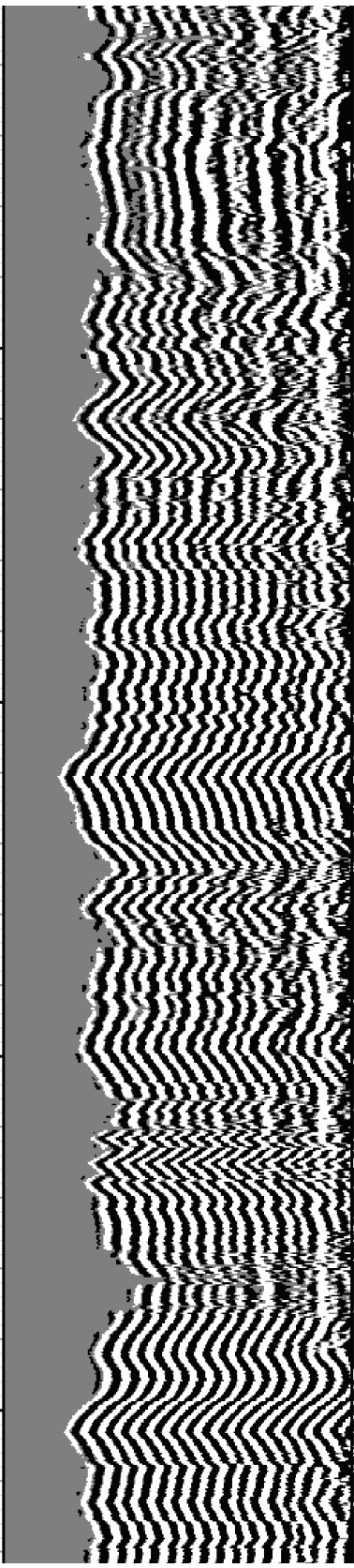
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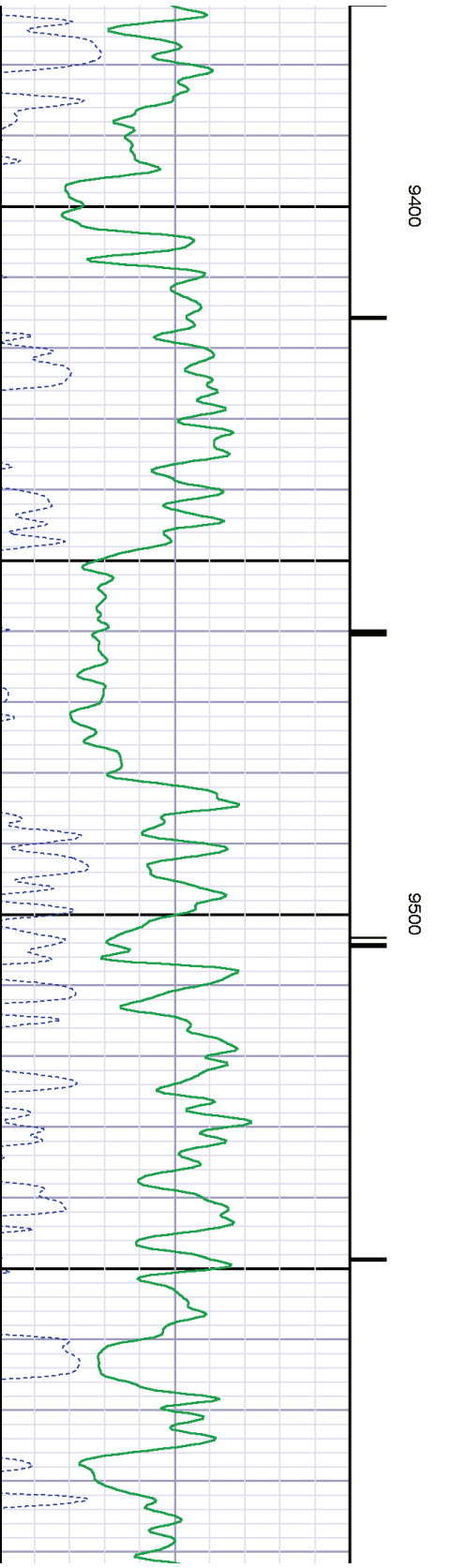
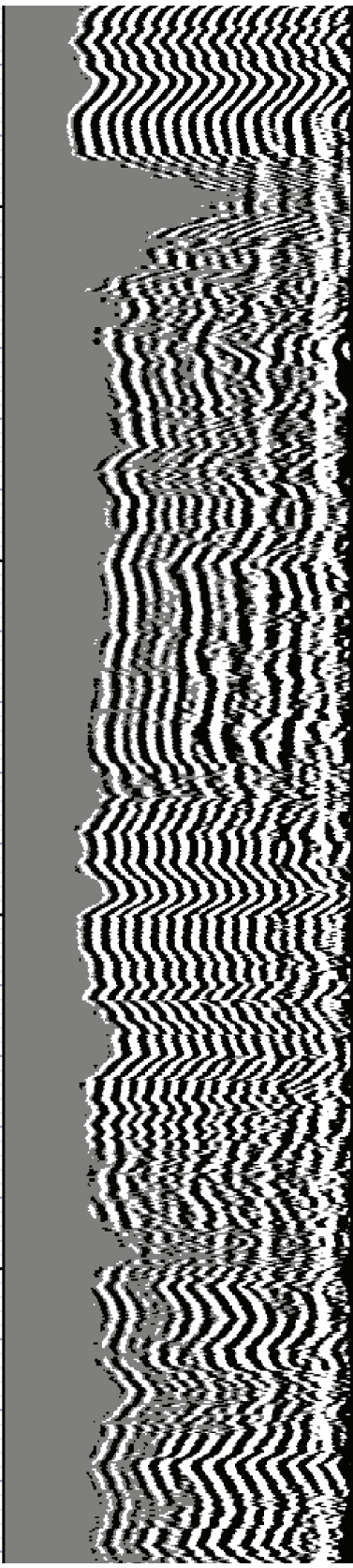




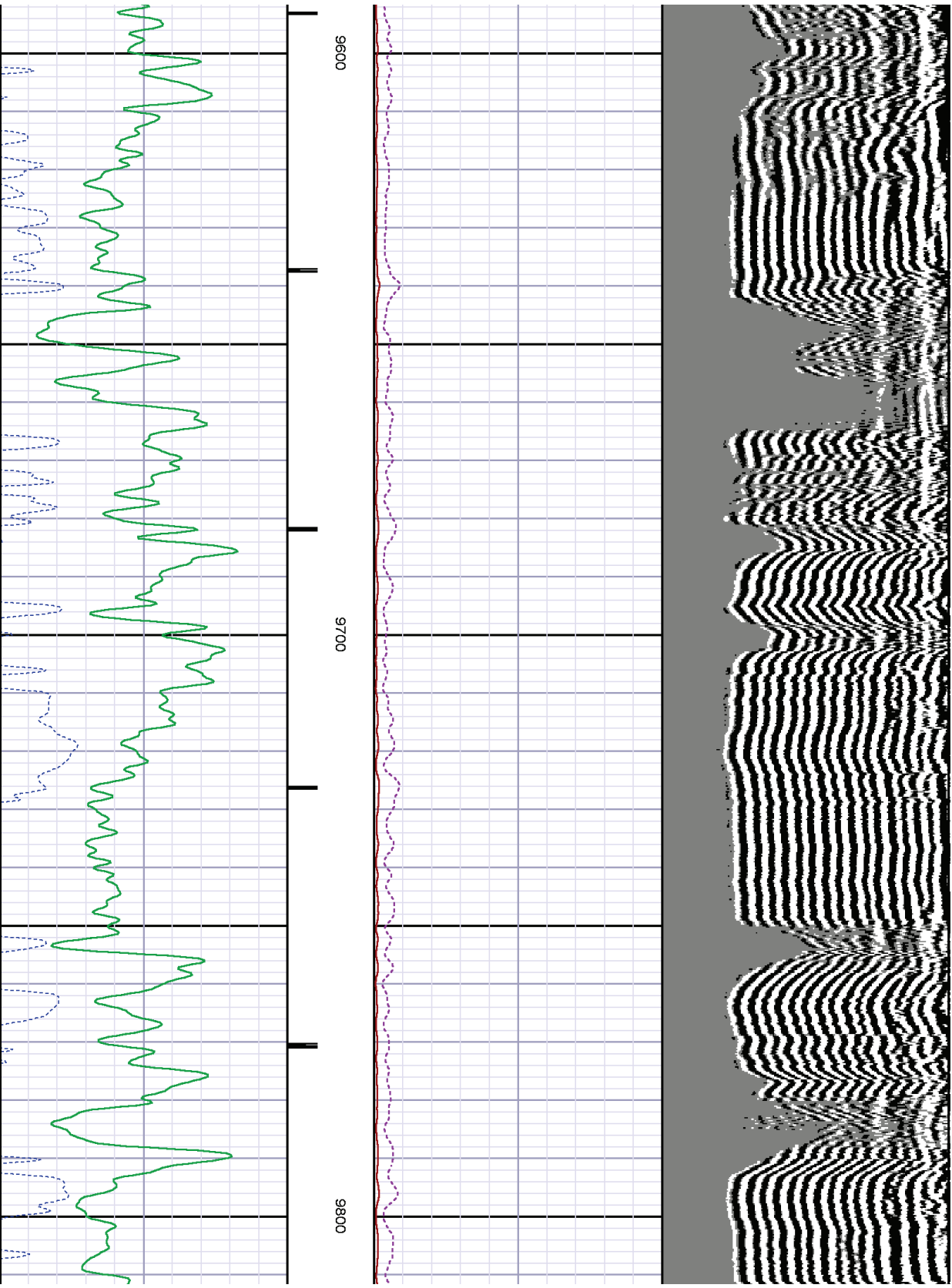




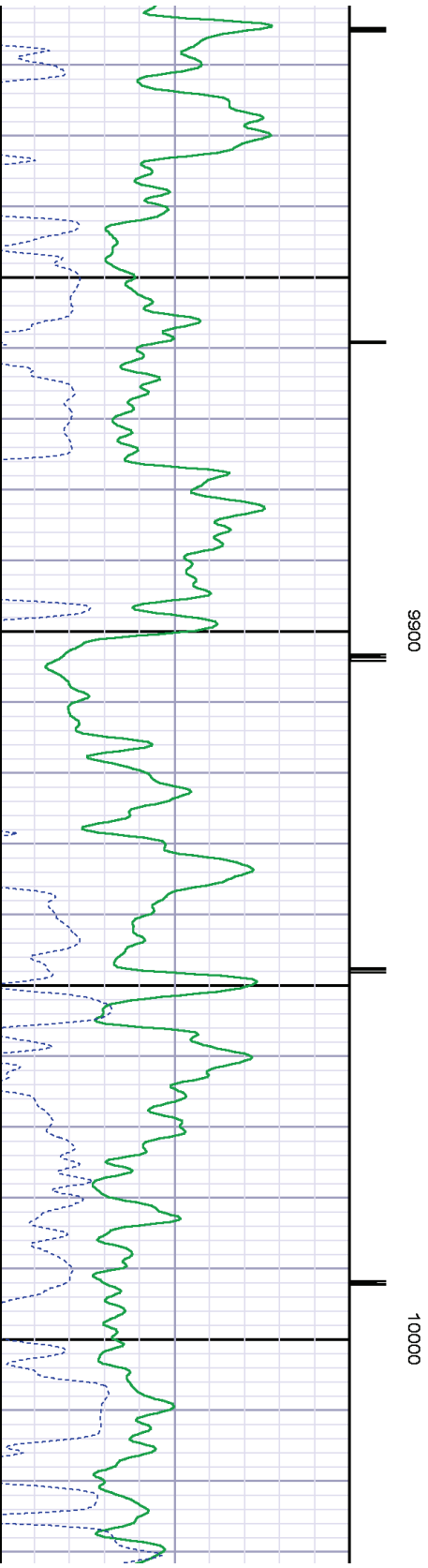
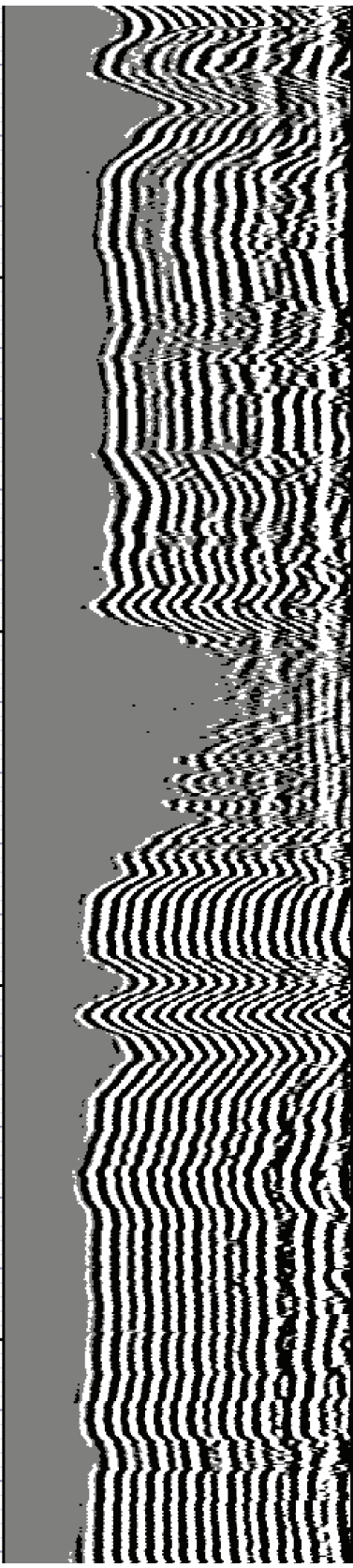




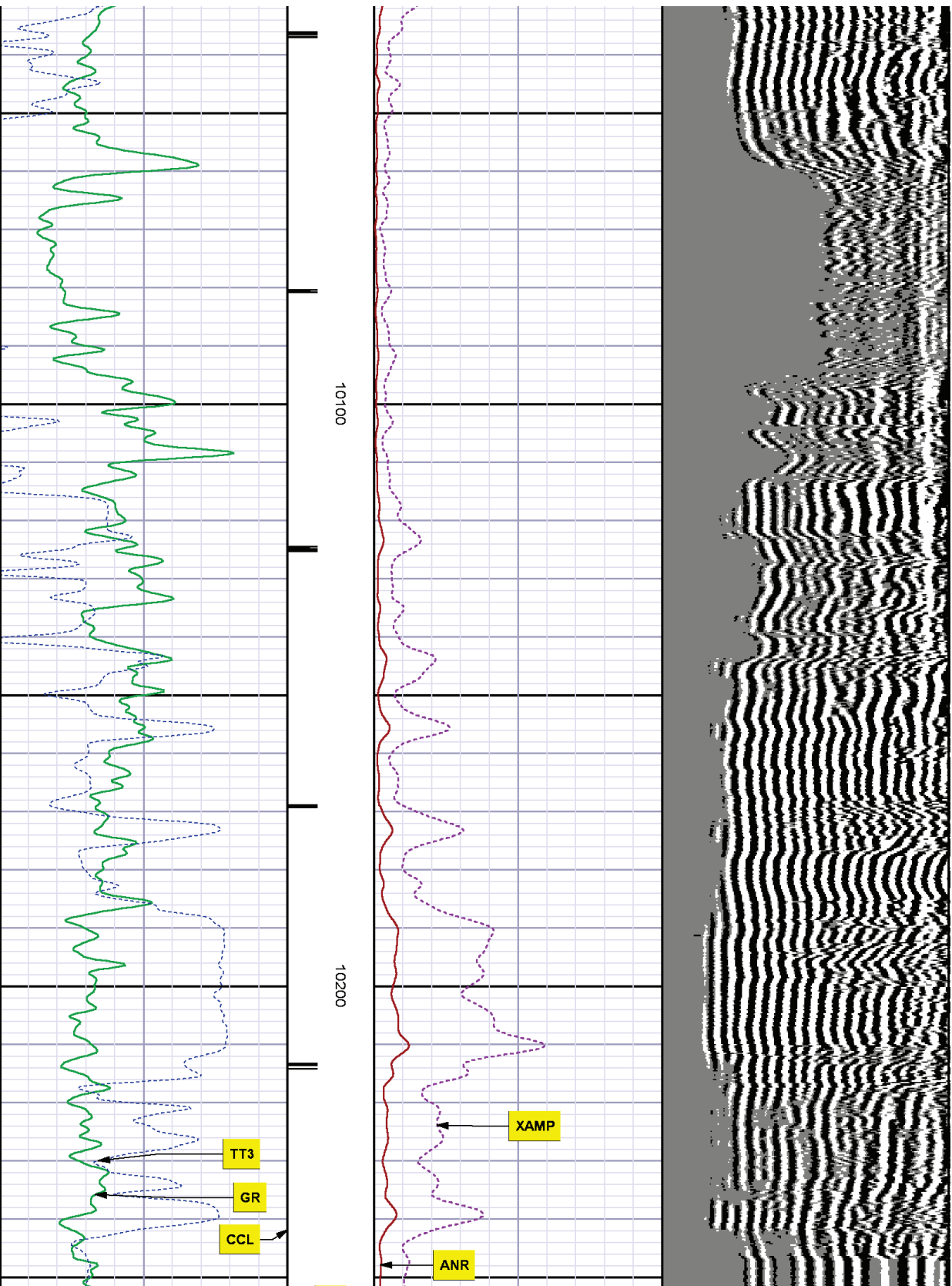




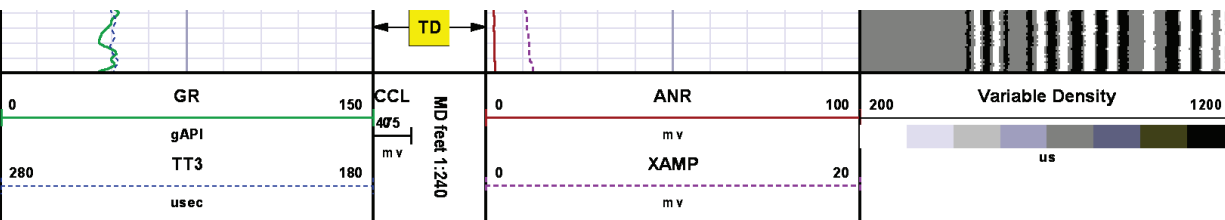












## SECONDARY PRESENTATION

### 0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	28.293	10276.000
RAL	Amp Gate Start Near	195.000	usec	28.293	10276.000
RAL	Amp Gate Start Radial	195.000	usec	28.293	10276.000
RAL	Amp Gate Width Far	25.000	usec	28.293	10276.000
RAL	Amp Gate Width Near	25.000	usec	28.293	10276.000
RAL	Amp Gate Width Radial	25.000	usec	28.293	10276.000
RAL	casing od	4.500	inches	28.293	10276.000
RAL	casing wt	11.600	lbm/ft	28.293	10276.000
RAL	FB Start Far	291.900	usec	28.293	10276.000
RAL	FB Start Near	180.000	usec	28.293	10276.000
RAL	FB Start Radial	180.000	usec	28.293	10276.000
RAL	FB Thresh Far	10.000	mv	28.293	10276.000
RAL	FB Thresh Near	4.000	mv	28.293	10276.000
RAL	FB Thresh Radial	4.000	mv	28.293	10276.000
RAL	Fluid Travel Time	200.000	usec/ft	28.293	10275.918

## 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
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP