



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

CEMENT BOND GAMMA RAY 1000 PSI

Company XTO Energy Inc.
Well apache Canyon 04-13
Field Purgatorie River
County Las Animas
State CO

Company XTO Energy Inc.
Well apache Canyon 04-13
Field Purgatorie River
County Las Animas
State CO

Location: API # : 05 071 09562 00

SEC 04 TWP 34S RGE 67W

Permanent Datum Ground Level Elevation 7359'
Log Measured From Ground Level
Drilling Measured From Ground Level

Other Services
TEMP
Elevation
K.B. -----
D.F. -----
G.L. 7359'

Date				11/24/08			
Run Number				one			
Depth Driller				2000'			
Depth Logger				1950'			
Bottom Logged Interval				1946'			
Top Log Interval				Surf.			
Open Hole Size				7 7/8"			
Type Fluid				water			
Density / Viscosity				///			
Max. Recorded Temp.				136F			
Estimated Cement Top				19'			
Time Well Ready				ROA			
Time Logger on Bottom				8:25			
Equipment Number				0703			
Location				Trinidad			
Recorded By				Worley			
Witnessed By				Mr. Gourdin			
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Wgt/Ft	Top		Bottom
Surface String	8 5/8"				00		469'
Prot. String							
Production String	5 1/2"				00		1950'
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

First Bosque entrance, turn right up Alamosito Canyon, go thru gate after first one way, take immediate left after second one way, dead end on location.

CBL ran under 1000 PSI.



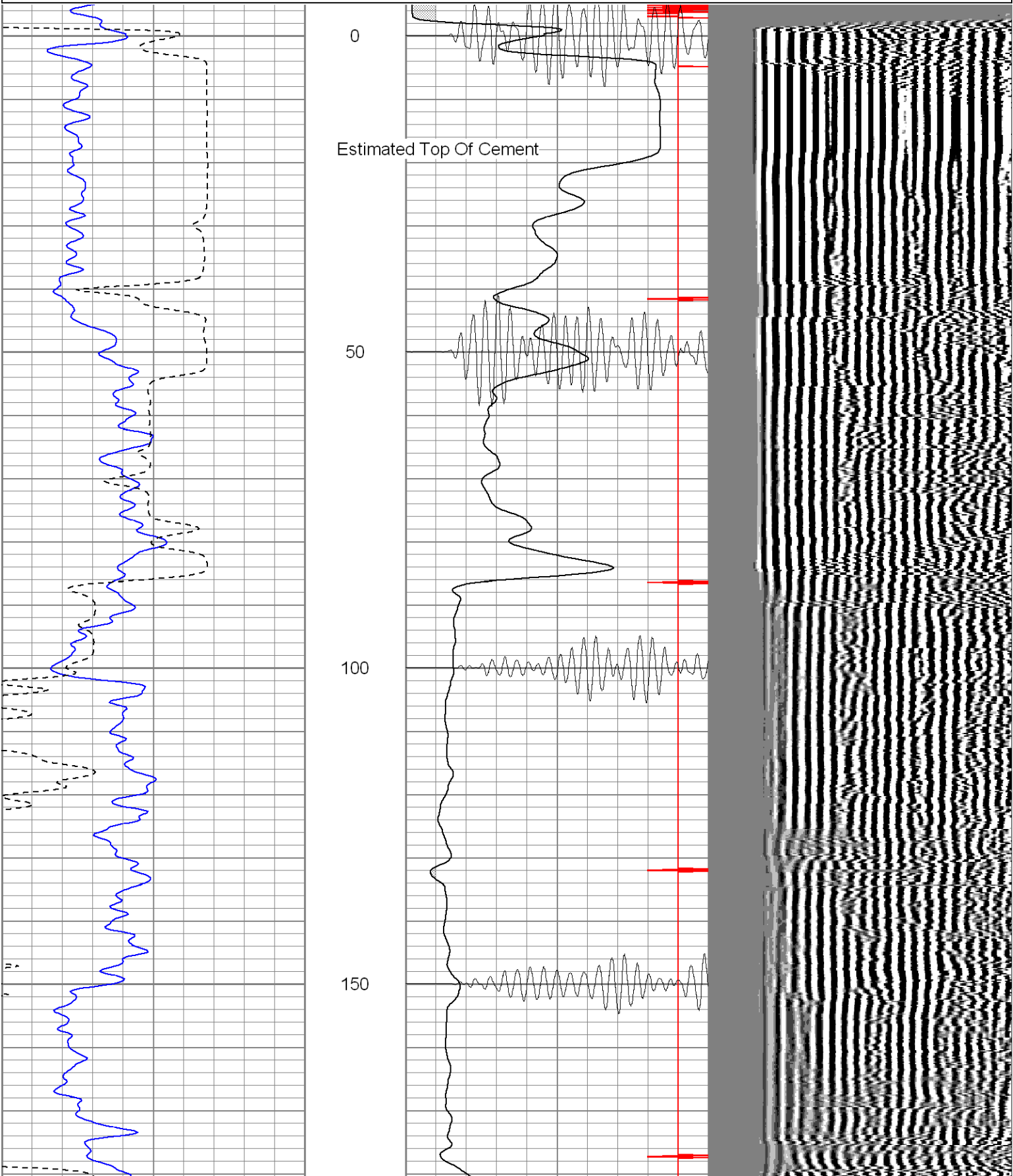
SUPERIOR

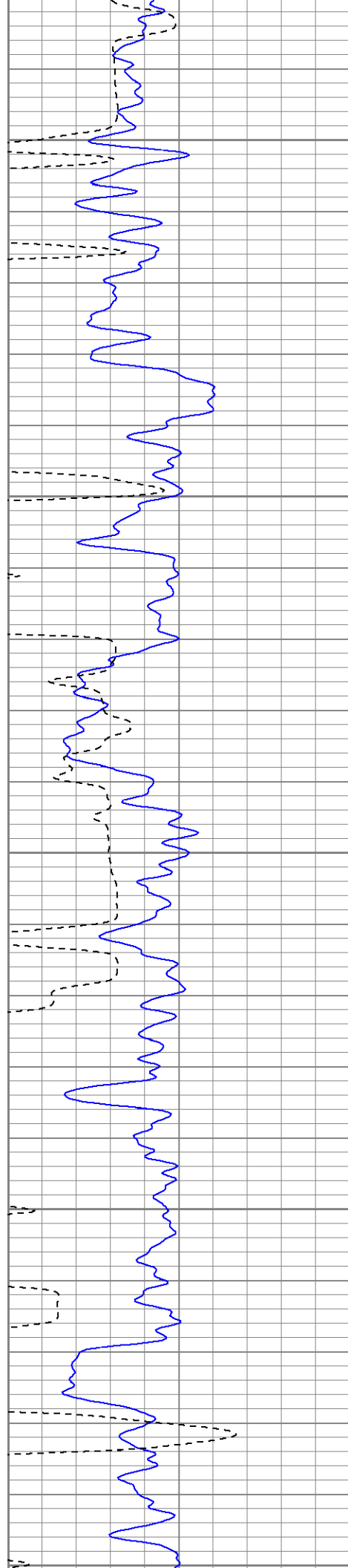
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

Main Pass 1000 PSI

Database File: ac04-13b72408.db
Dataset Pathname: pass2
Presentation Format: cblrt
Dataset Creation: Thu Jul 24 08:51:19 2008 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	0	AMP3 (mV)	100	200	CBL5	1200
400	TT3 (usec)	200	18	CCL	-2			
			200	CBL5	1200			





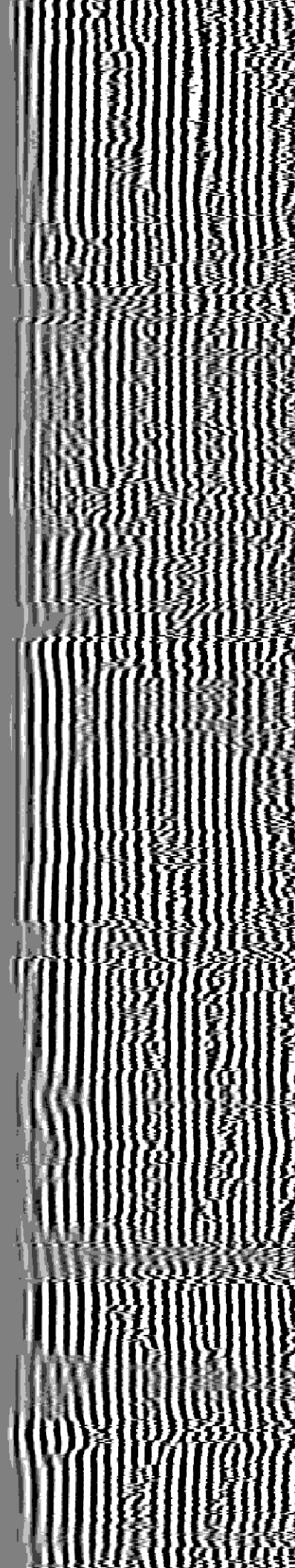
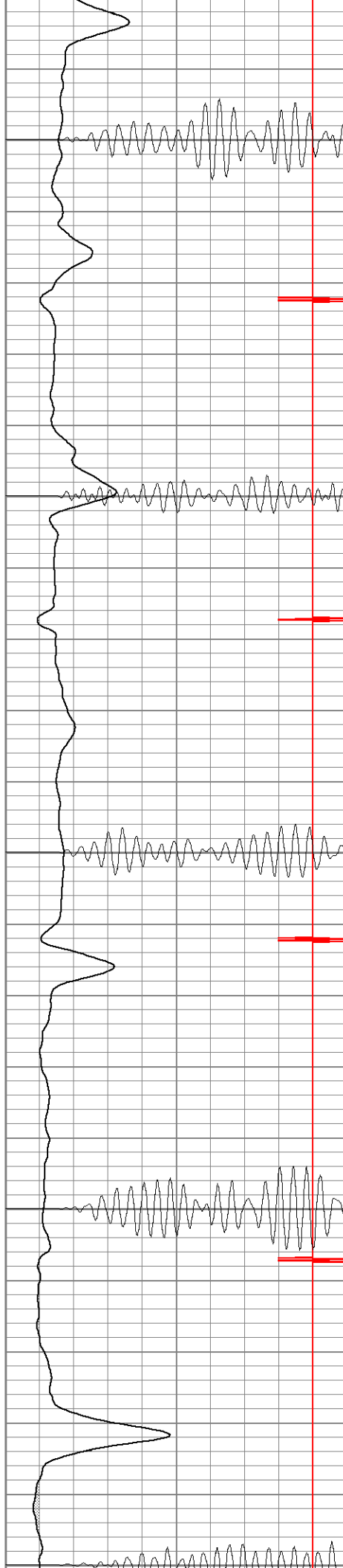
200

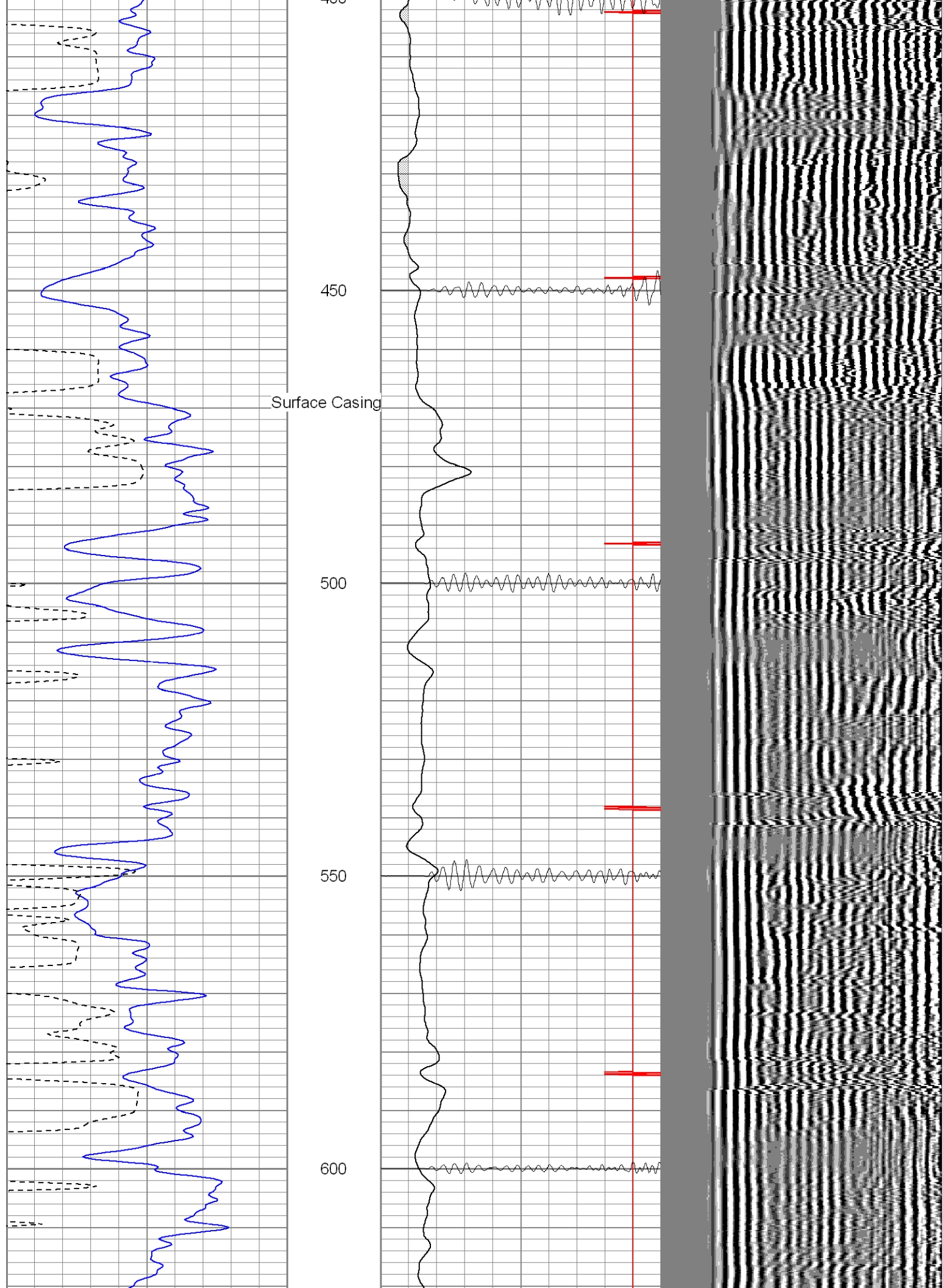
250

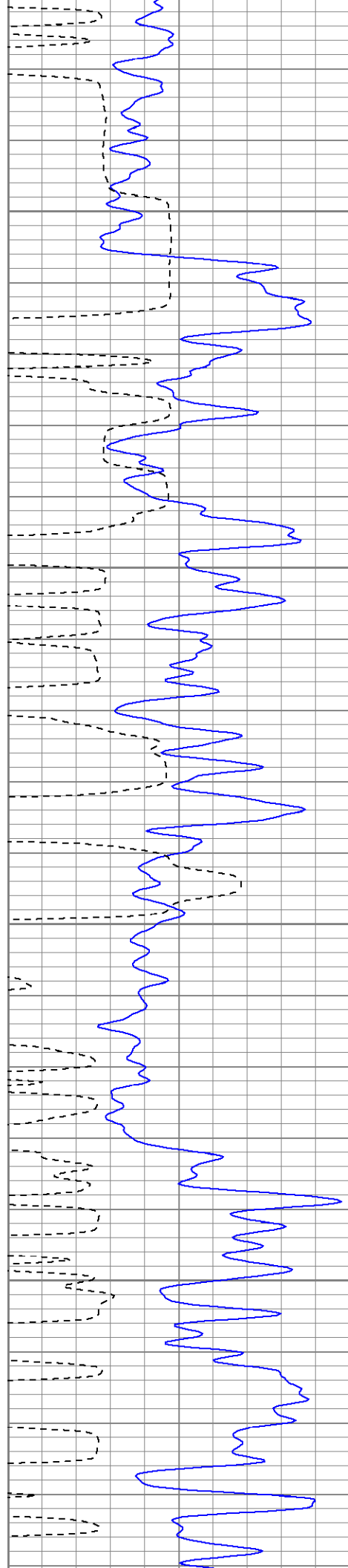
300

350

400





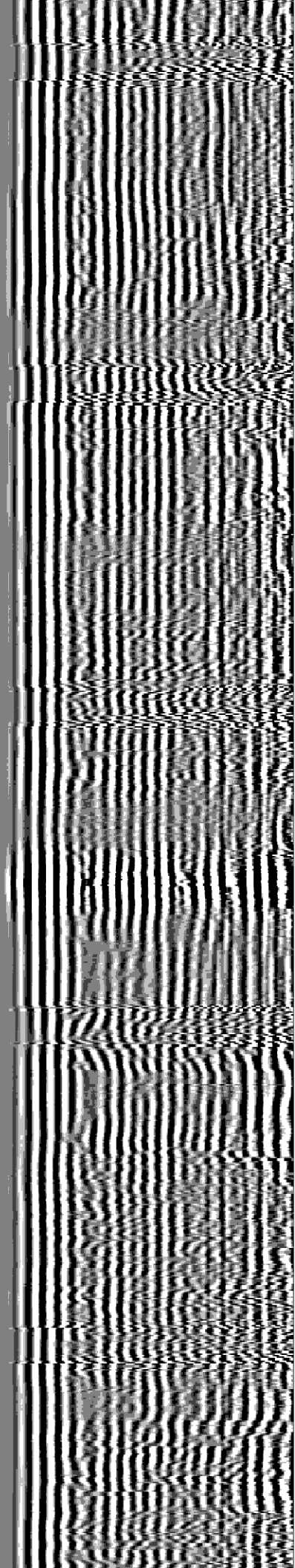
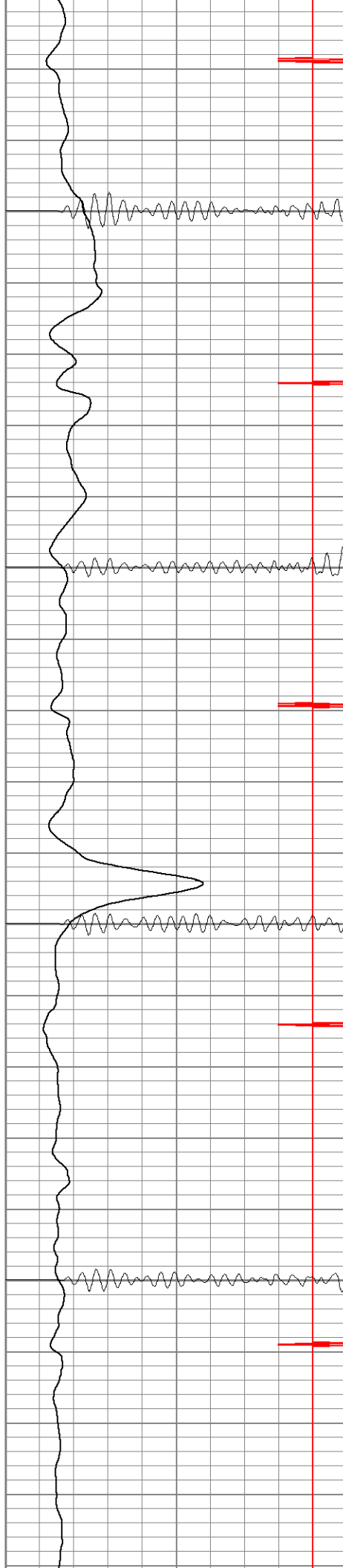


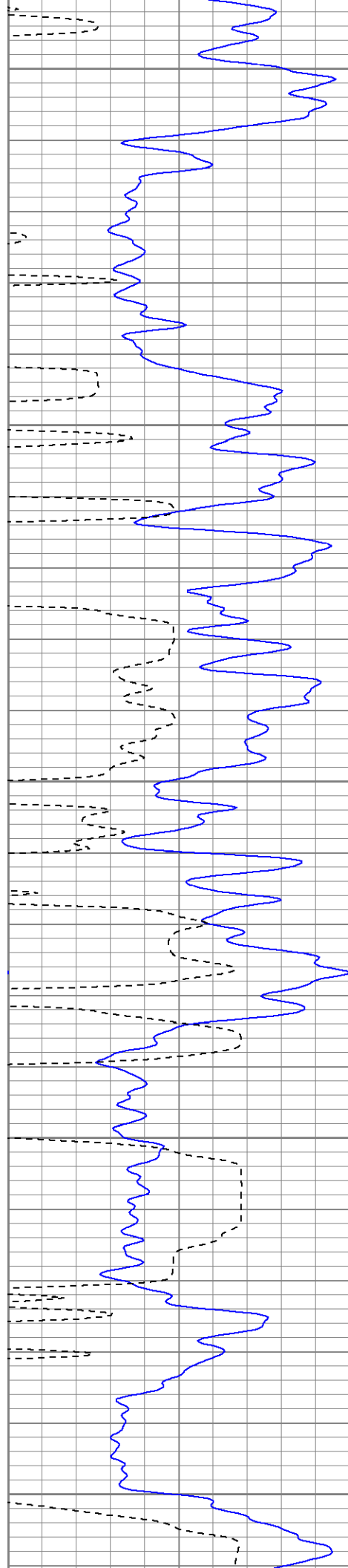
650

700

750

800





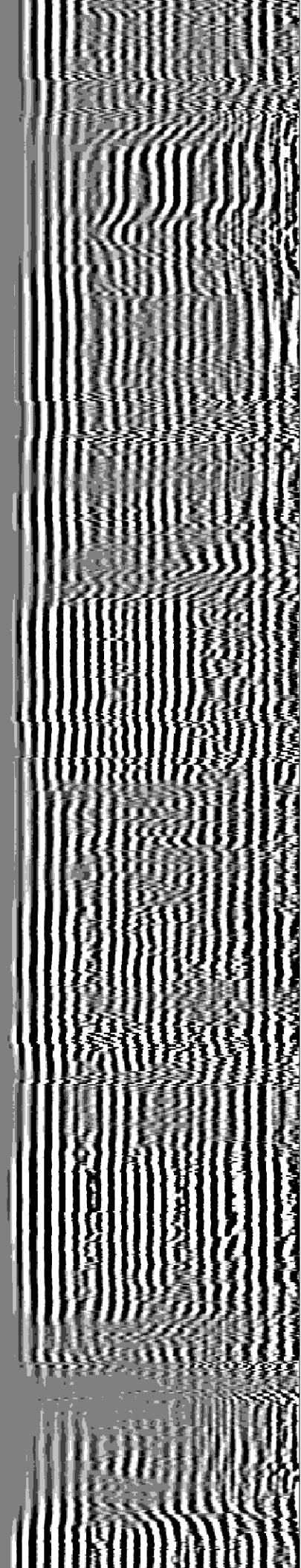
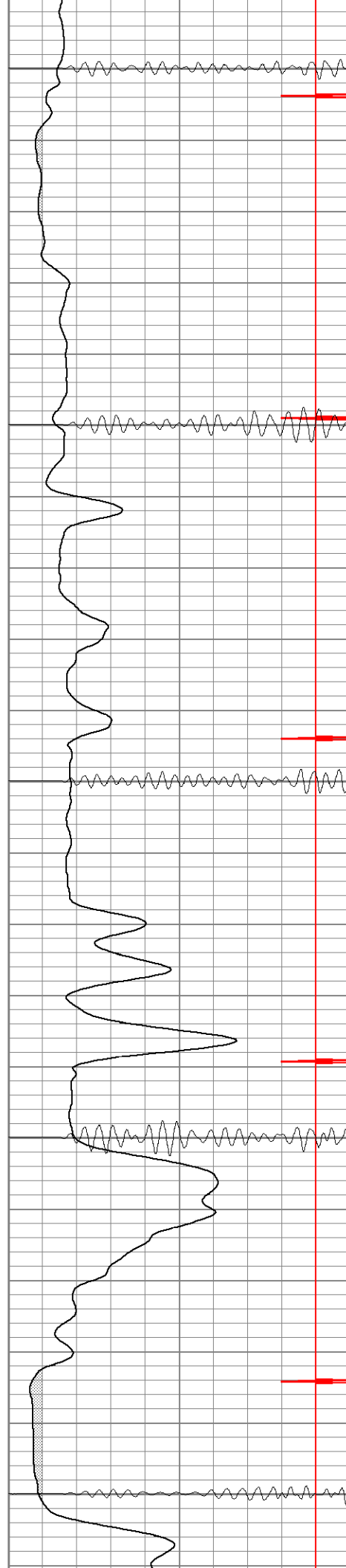
850

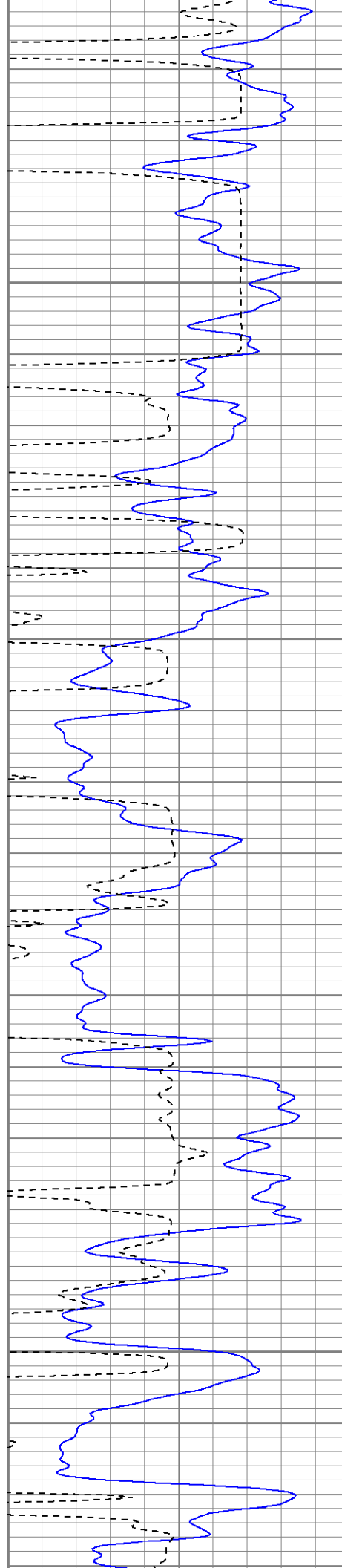
900

950

1000

1050



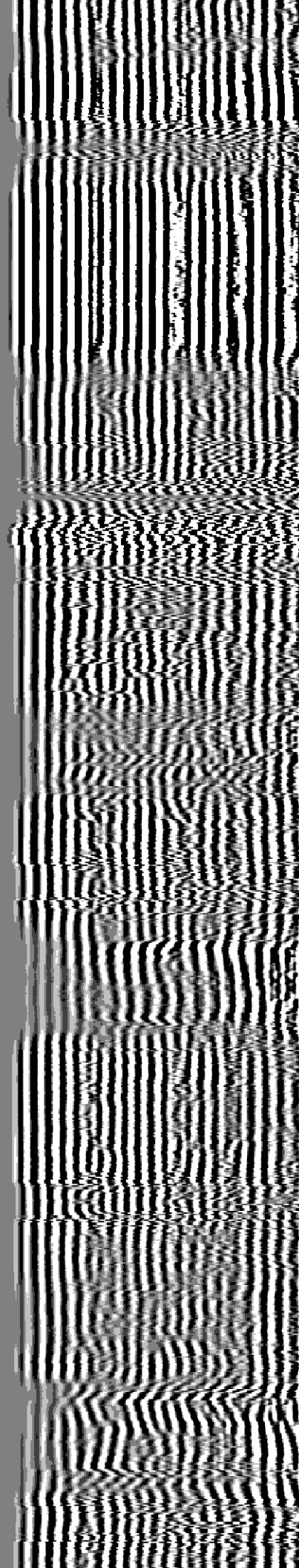
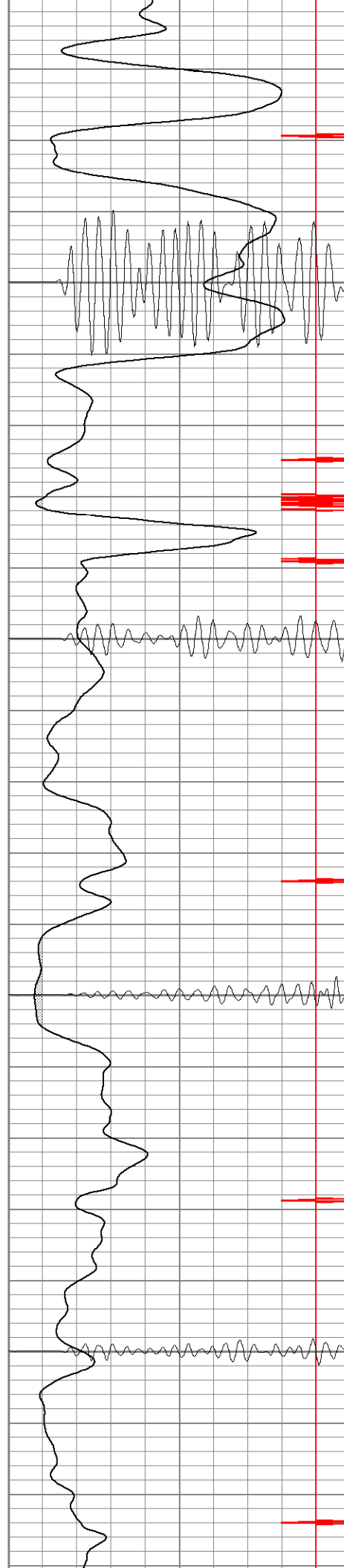


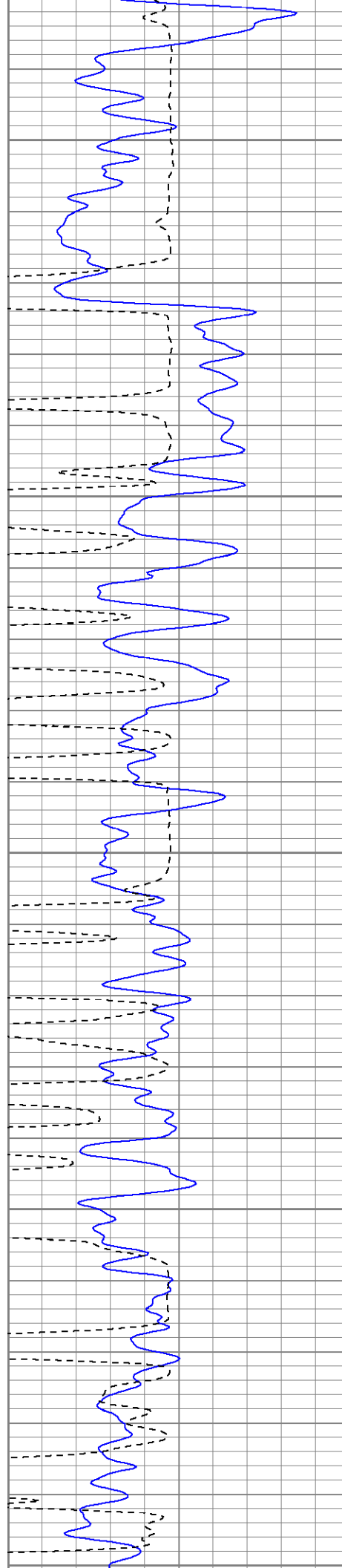
1100

1150

1200

1250





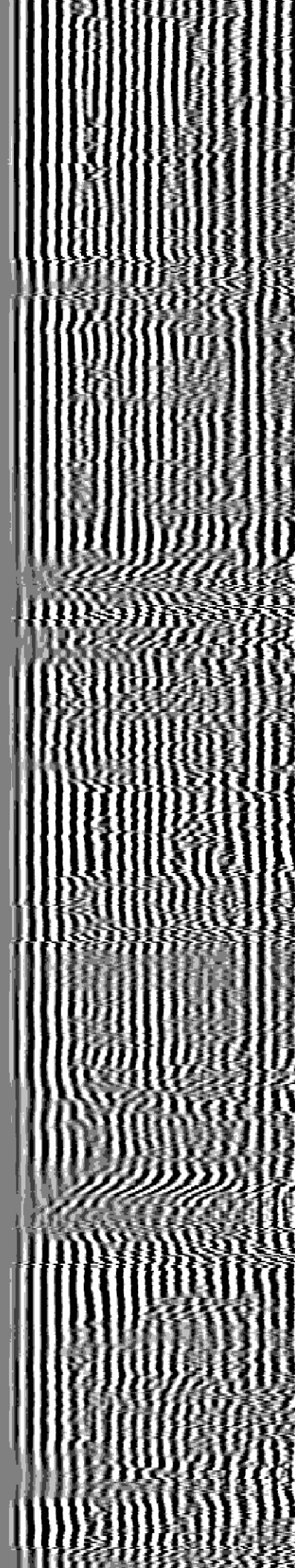
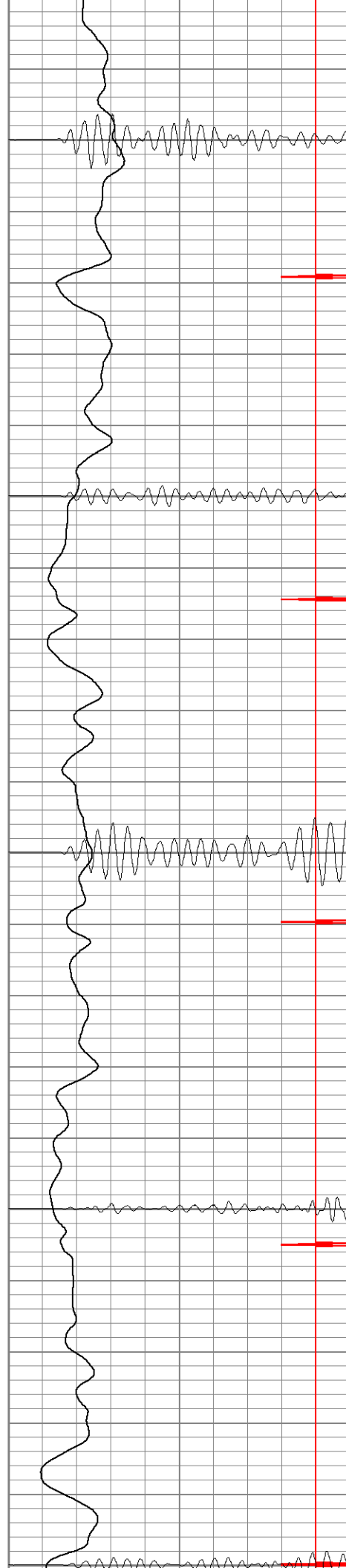
1300

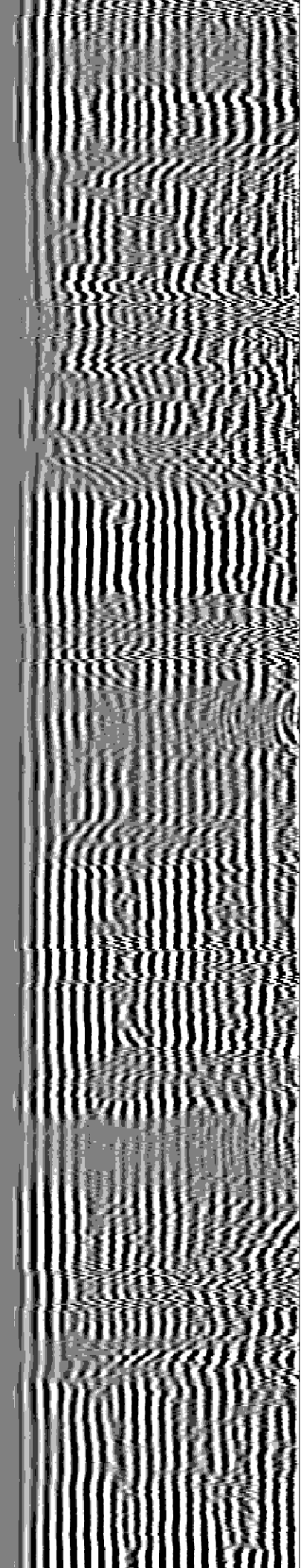
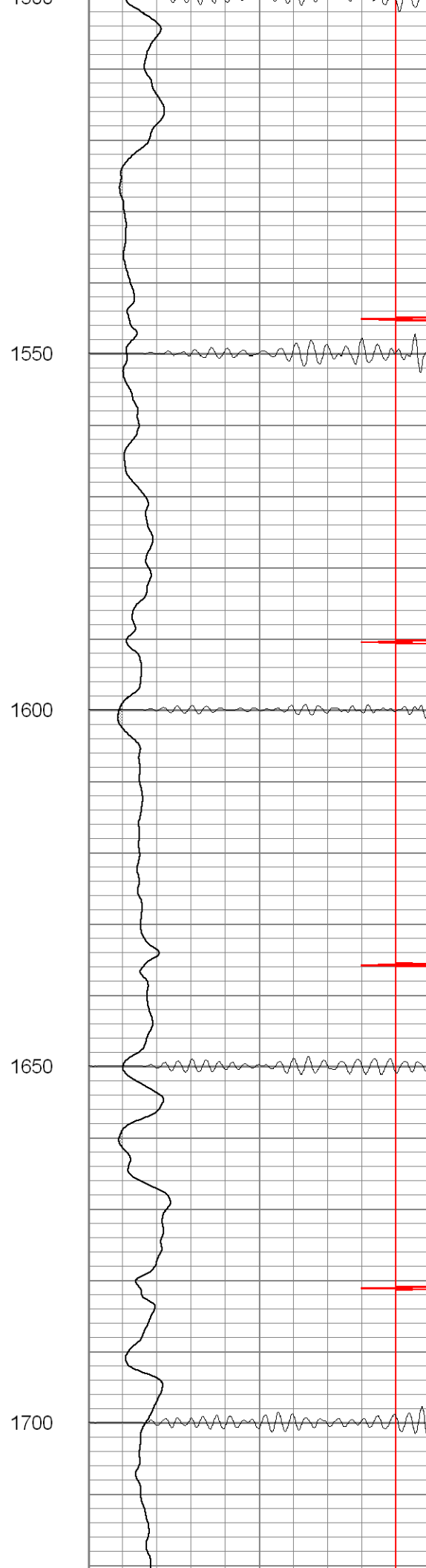
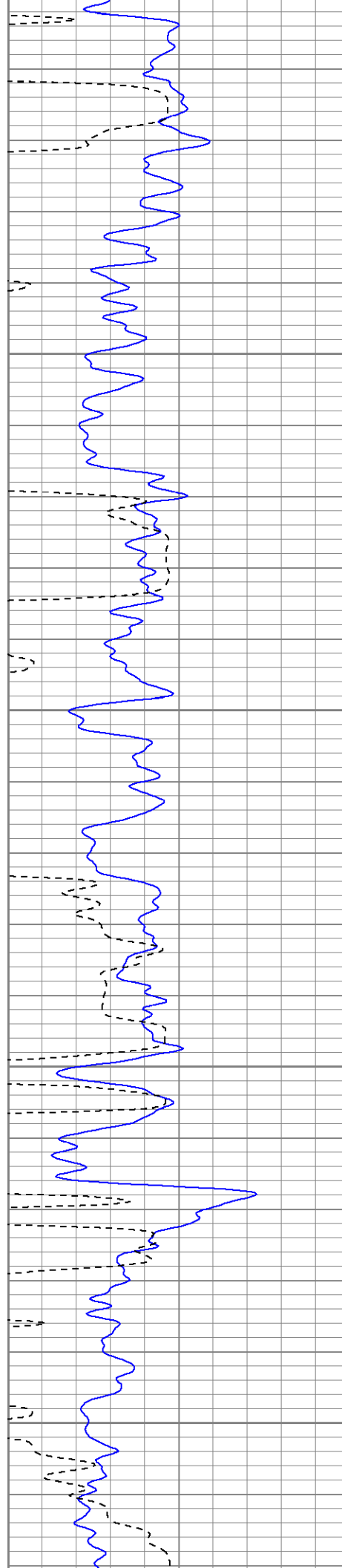
1350

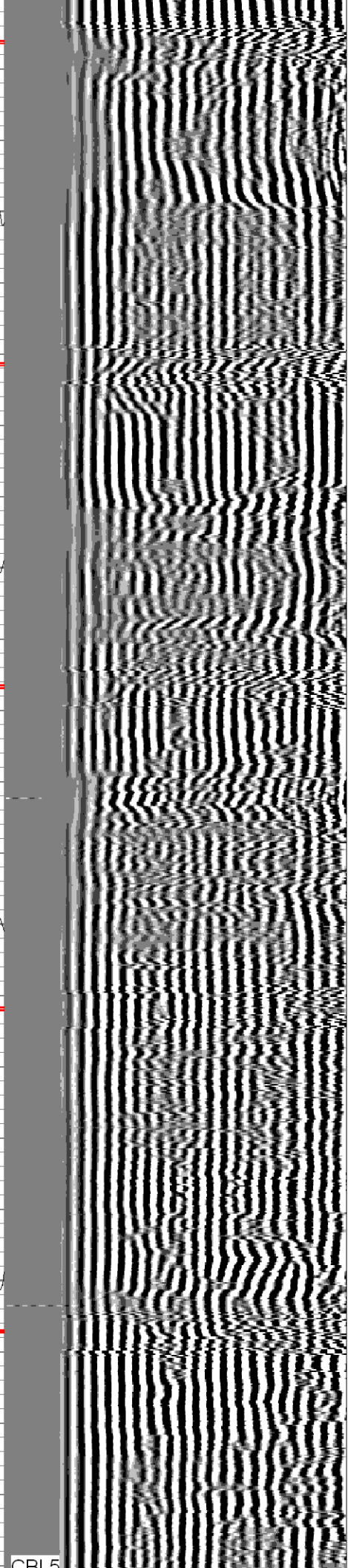
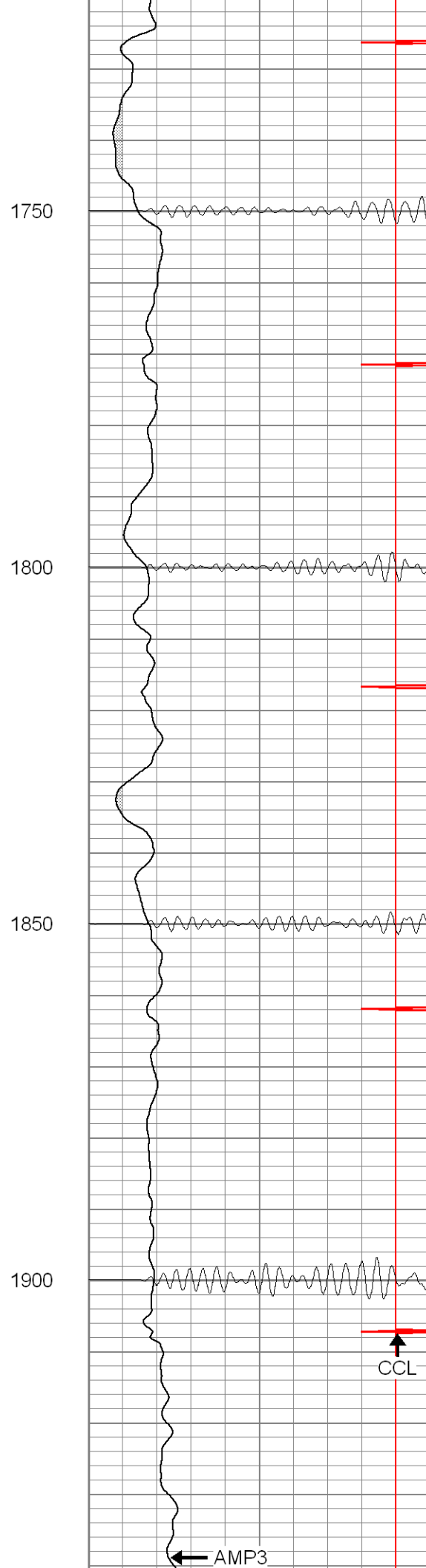
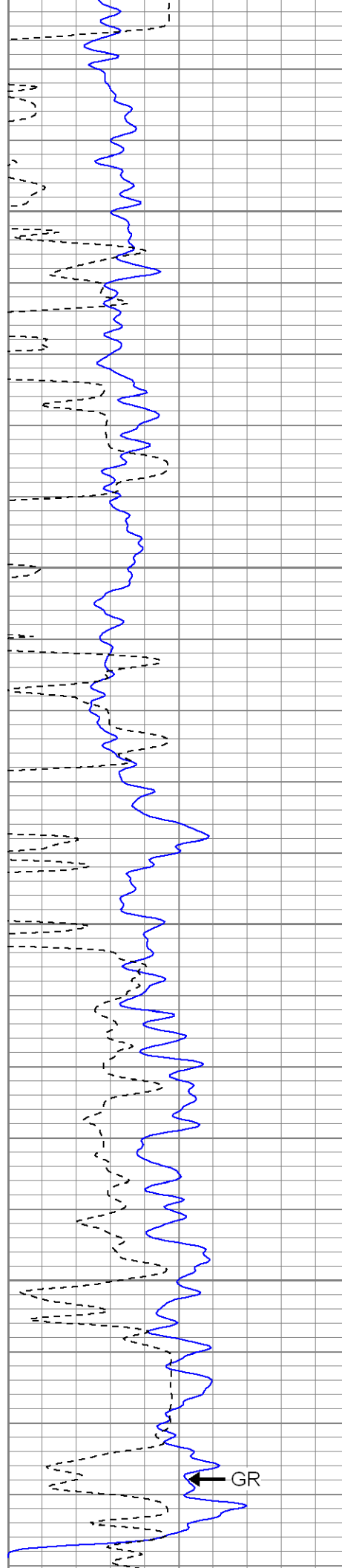
1400

1450

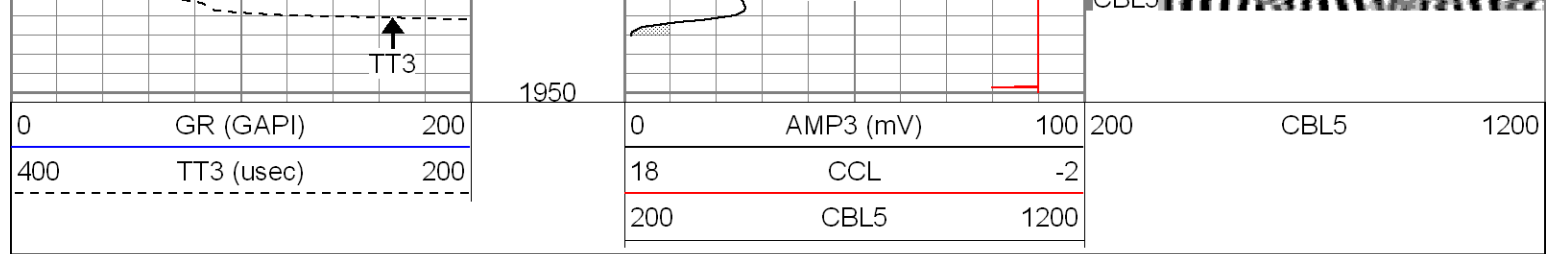

1500







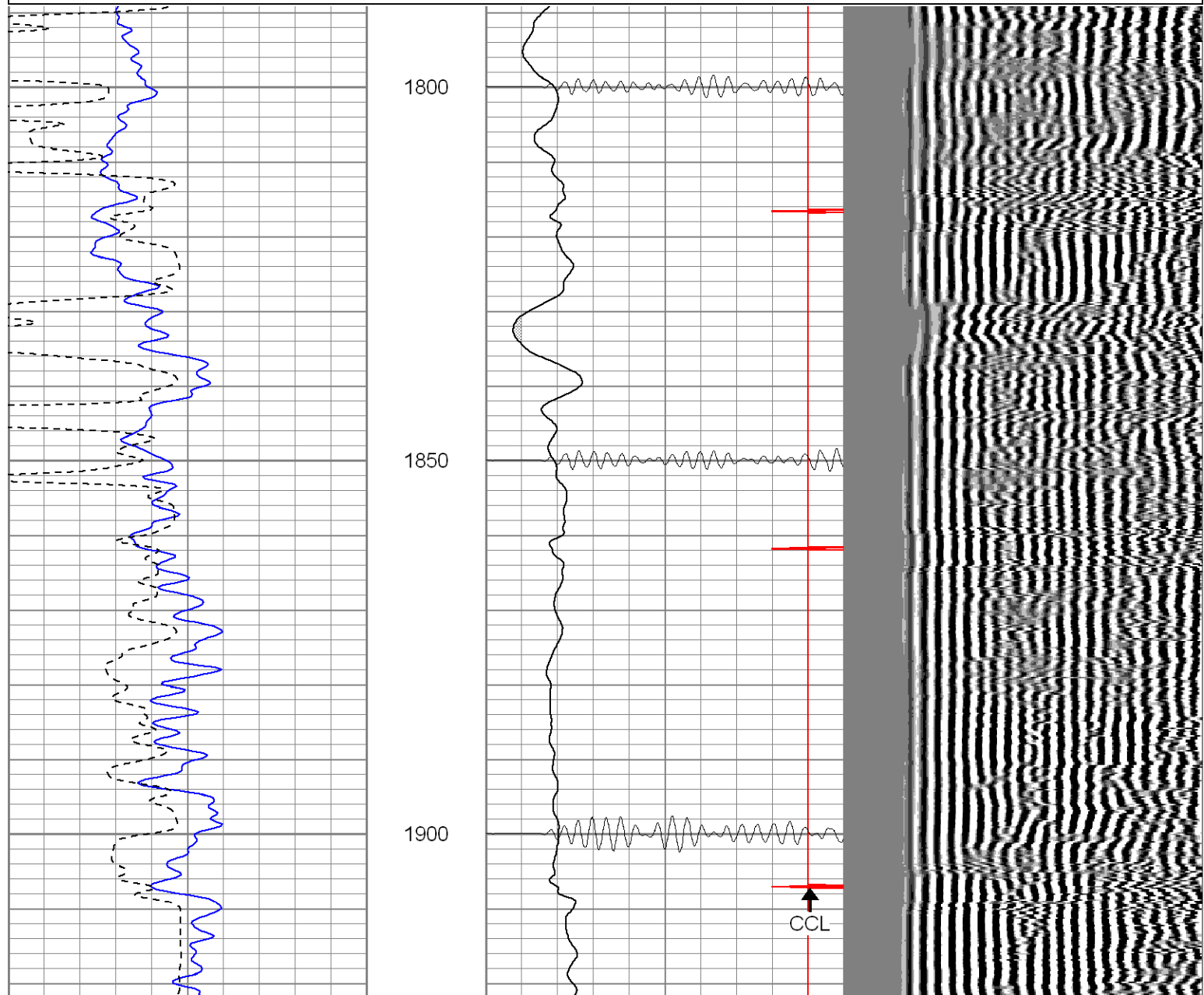
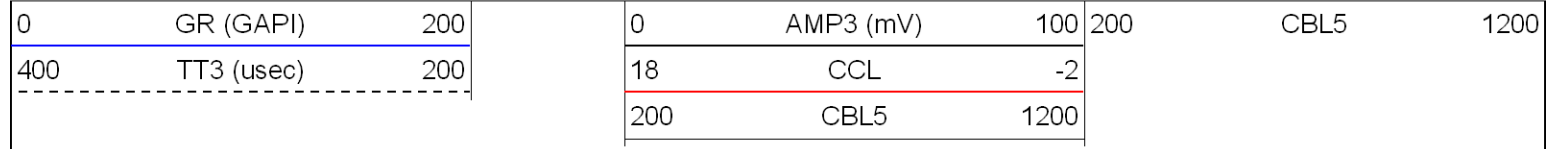
CPL 5

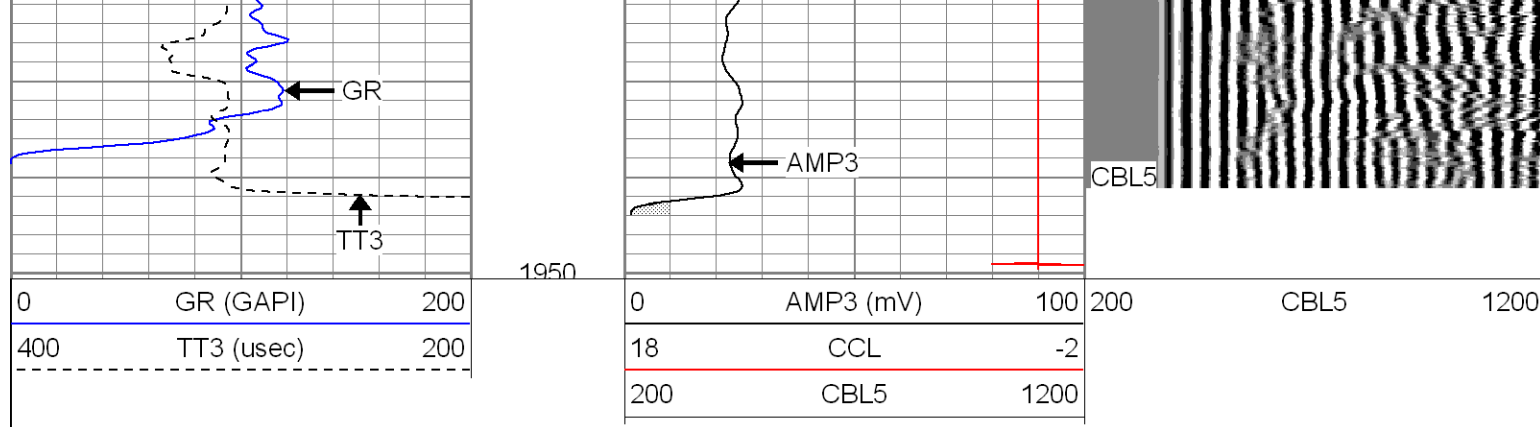



SUPERIOR
 Black Lick, Pa.
 Mercer, Pa.
 Wooster, Oh.
 Cleveland, Ok.
 Trinidad, Co.

Repeat Section 0 PSI

Database File: ac04-13b72408.db
 Dataset Pathname: pass1
 Presentation Format: cblrt
 Dataset Creation: Thu Jul 24 08:23:18 2008 by Log Open-Cased 071220
 Charted by: Depth in Feet scaled 1:240





Calibration Report

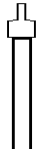
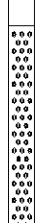
Database File: ac04-13b72408.db
 Dataset Pathname: pass1
 Dataset Creation: Thu Jul 24 08:23:18 2008 by Log Open-Cased 071220

Cement Bond Log Calibration Report

Serial Number:	Titan3		
Tool Model:	T3		
Performed:	Thu Jul 24 08:21:04 2008		
Depth:	0	ft	
Casing Diameter:	0	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	85	85	mV
Reading at Signal Zero:	-0.01	0.01	V
Reading in Free Pipe:	1.56	2.12	V
Gain:	53.5032	39.8104	
Offset:	1.53503	0.601896	

Gamma Ray Calibration Report

Serial Number:	Titan3	
Tool Model:	T2	
Performed:	Thu Jul 24 08:21:17 2008	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1500	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	13.64		CHD-None (0)	0.75	1.50	5.00
			GR-T2 (Titan3)	2.52	2.25	25.00
WVF5	9.49		CBL-T3 (Titan3)	7.23	2.25	110.00
WVF3	8.49					

