



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Ohio
Cleveland, Ok.

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.
LOGGED UNDER 1000 PSI.

Company NOBLE ENERGY INC.		Company NOBLE ENERGY INC.	
Well GUTTERSEN D 03-27		Well GUTTERSEN D 03-27	
Field WATTENBERG		Field WATTENBERG	
County WELD		County WELD	
State COLORADO		State COLORADO	
Location: 150' FSL & 1320' FEL SW SE		Other Services	
SEC 34 TWP 4N RGE 64W		Elevation	
Permanent Datum	GL	Elevation	4696
Log Measured From	KB	K.B. 4711	
Drilling Measured From	KB	D.F. 4710	
		G.L. 4696	
Date	AUG-12-09		
Run Number	ONE		
Depth Driller	7018		
Depth Logger	6973		
Bottom Logged Interval	6972		
Top Log Interval	18		
Open Hole Size	7-7/8		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	246		
Estimated Cement Top	1416		
Time Well Ready	MAST UNIT		
Time Logger on Bottom	1-11/16		
Equipment Number	703		
Location	45		
Recorded By	CASEY RUPPEL		
Witnessed By	LEROY HOBBS		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Wgt/Ft	Top
Surface String			Bottom
Prot. String			
Production String	4-1/2		
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

LOGGFED UNDER 1000 PSI.

CORRECTED TO PSI MIRCO LOG DATED MAY 11, 2009.

THANK YOU FOR USINS SUPERIOR WELL SERVICES.

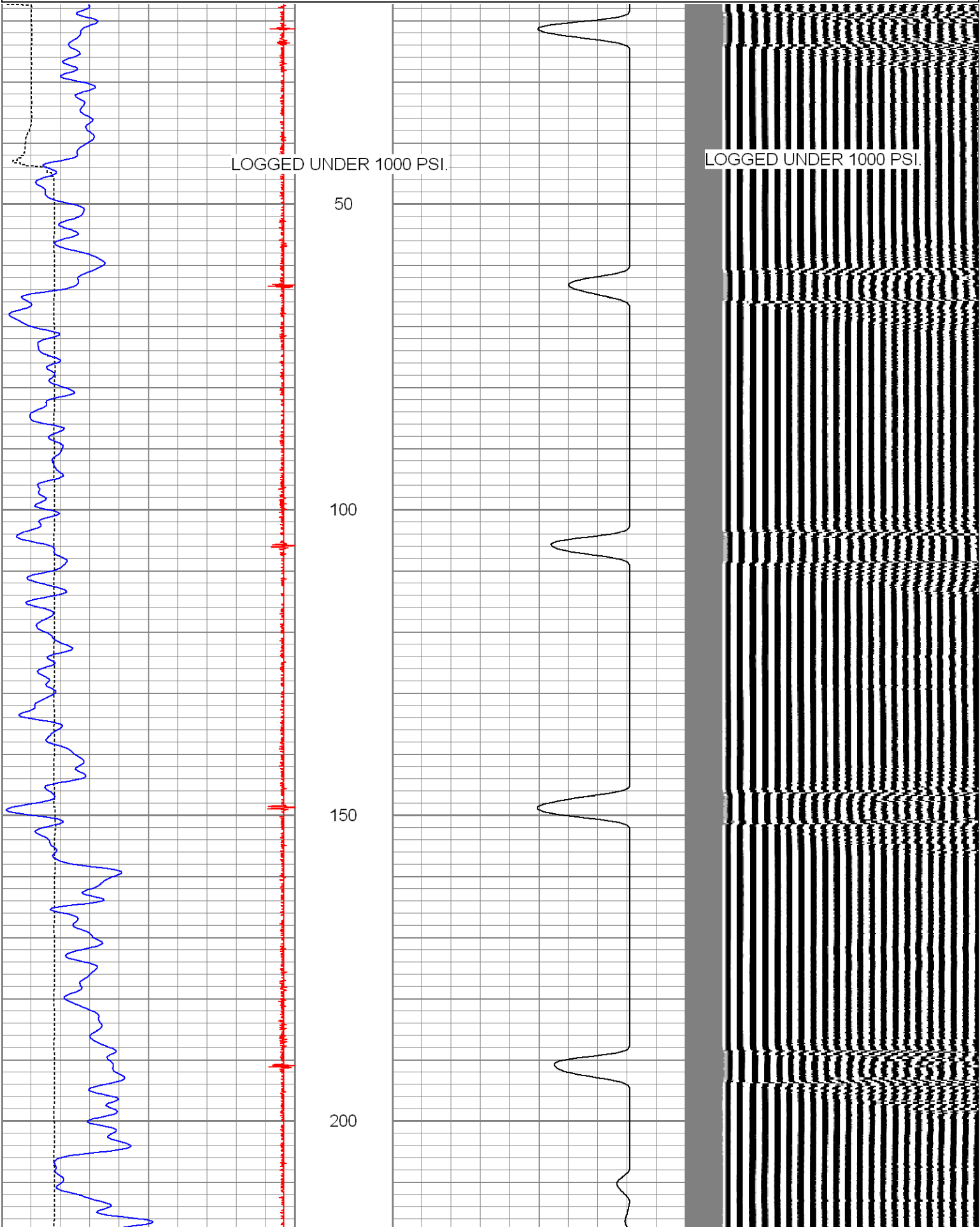
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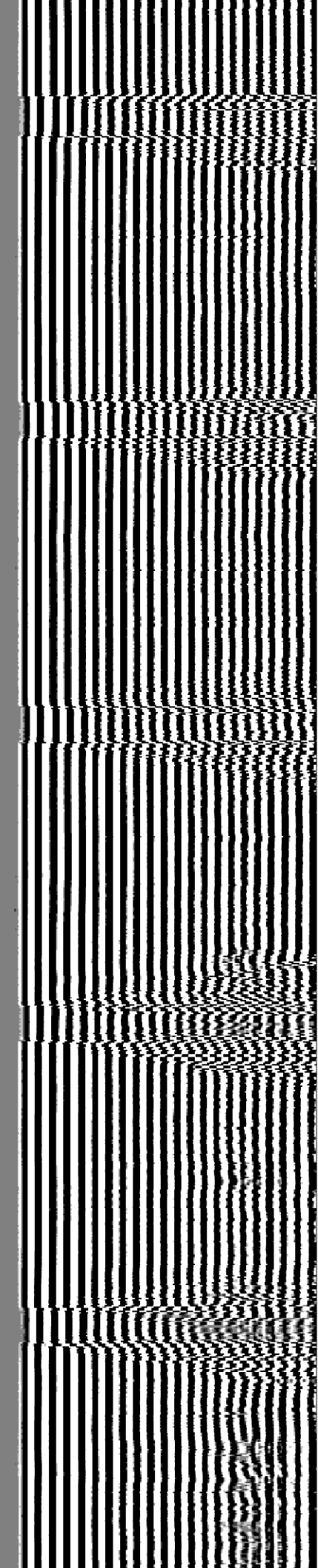
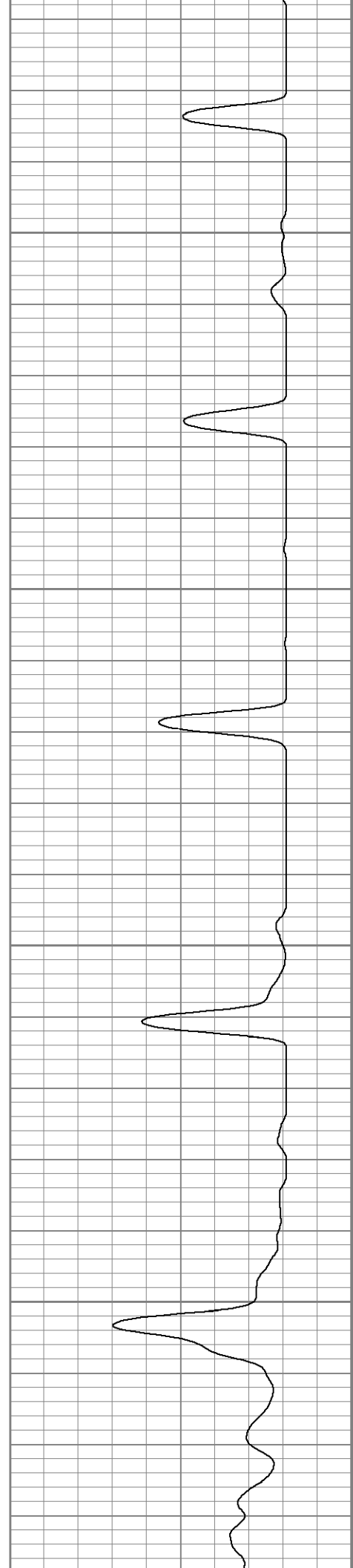
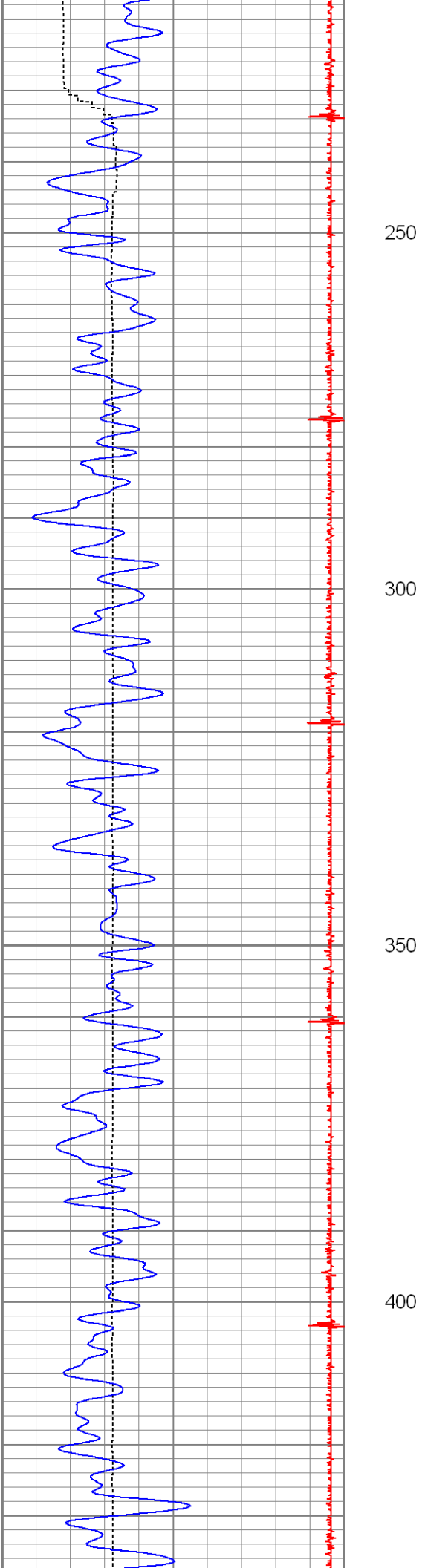
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Dataset Pathname: pass6
Presentation Format: nuexcbi
Dataset Creation: Wed Aug 12 08:49:48 2009 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

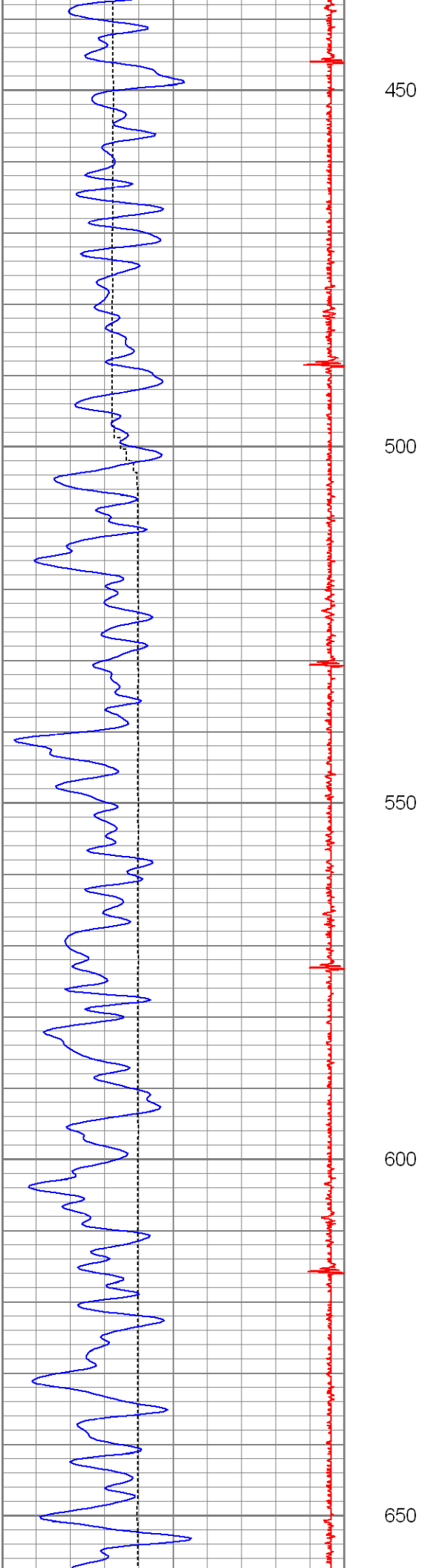
0	LSPD (ft/min)	-300
8	CCL	-0.3
30	Gamma Ray (GAPI)	130

0	Amplified Amplitude (mV)	20
0	Amplitude (mV)	100

200 V D L 1200







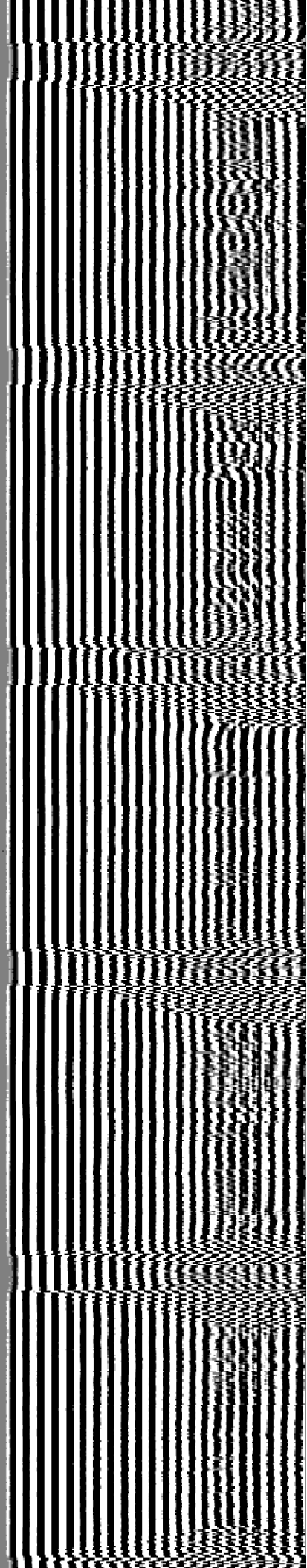
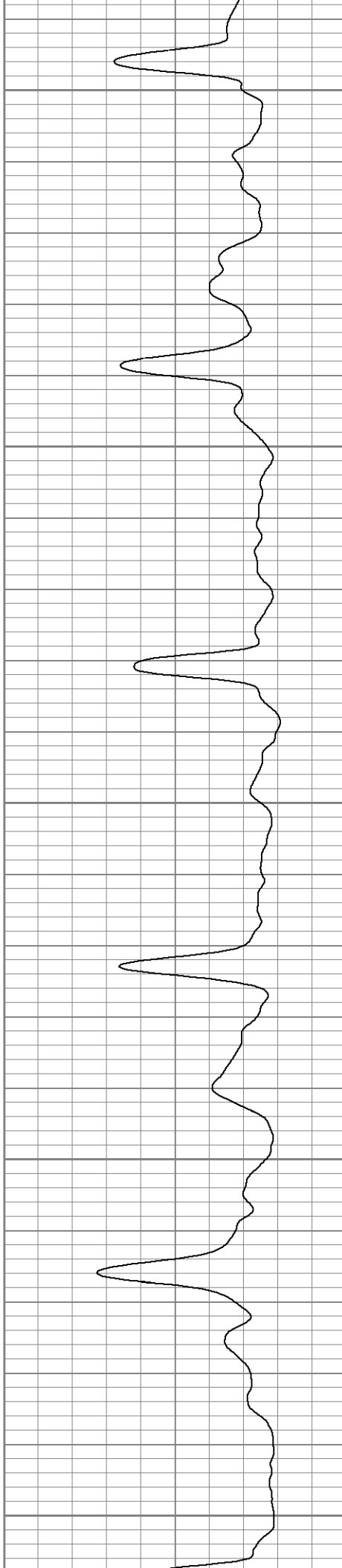
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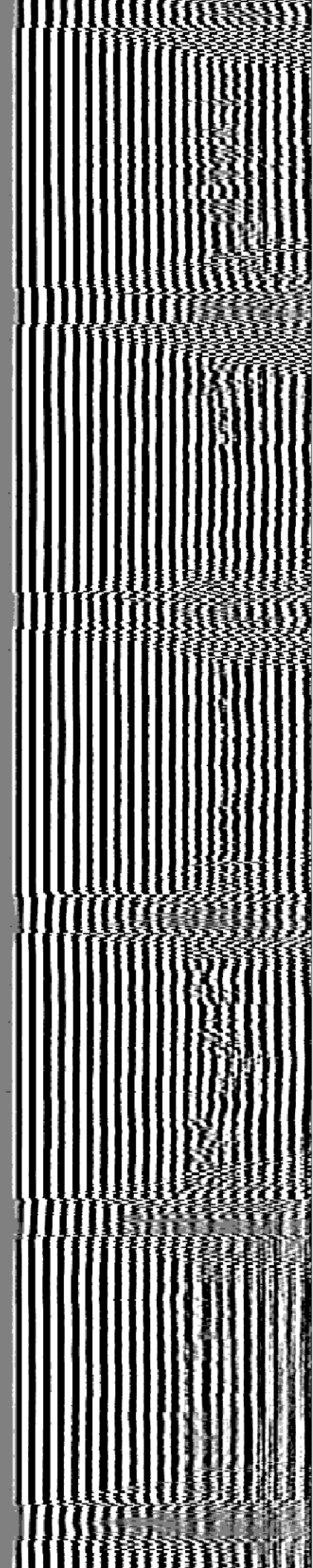
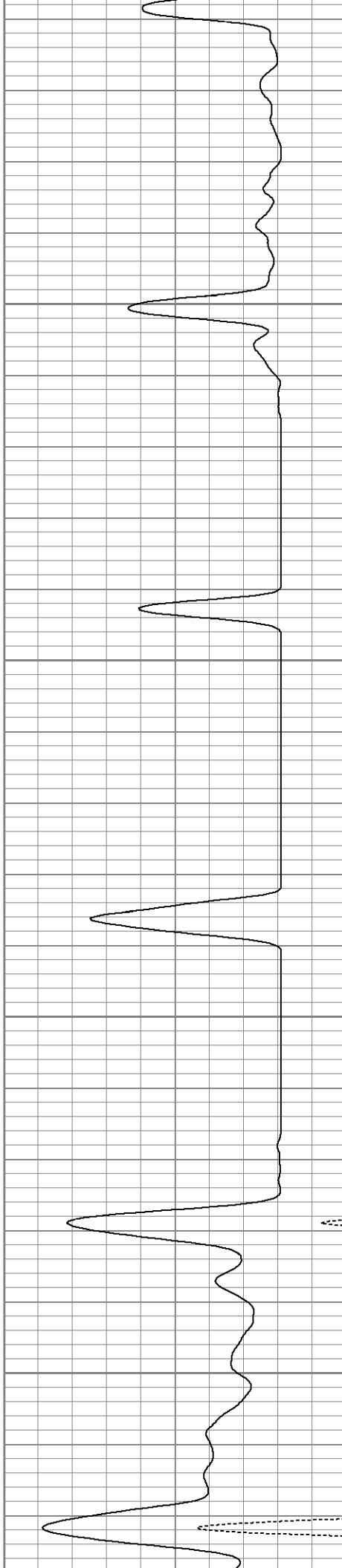
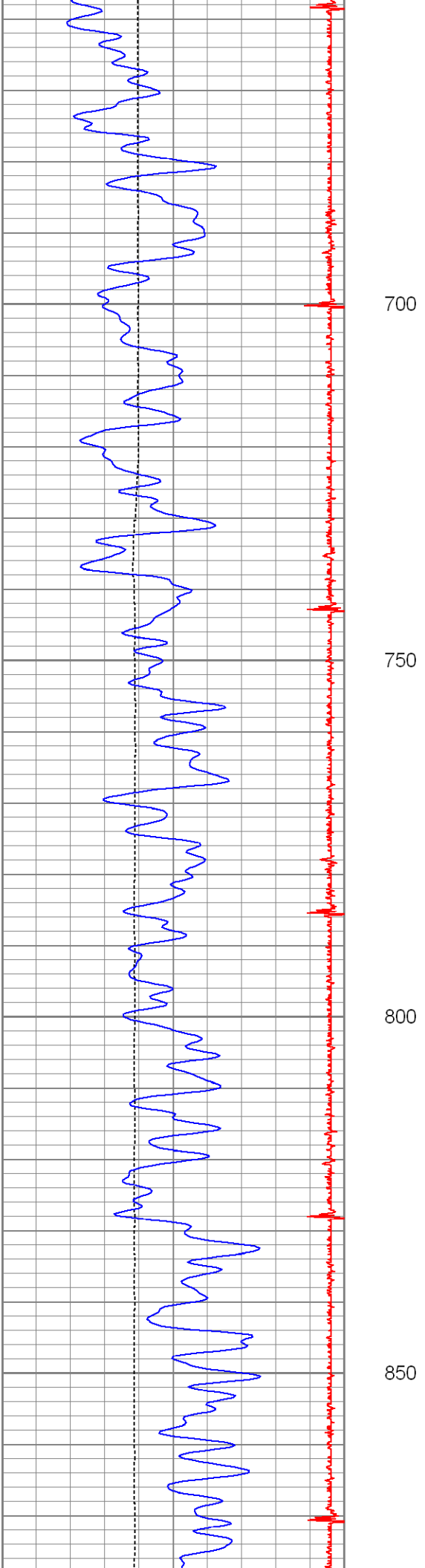
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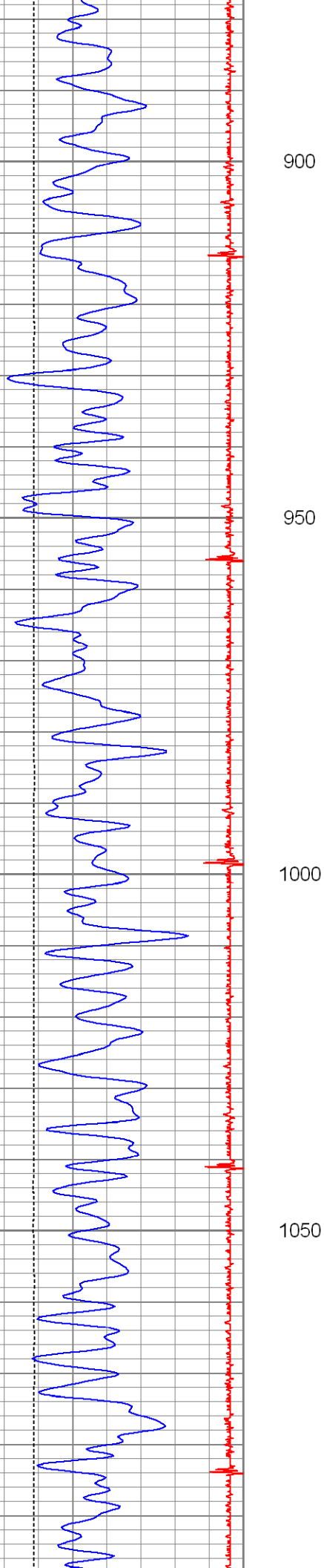
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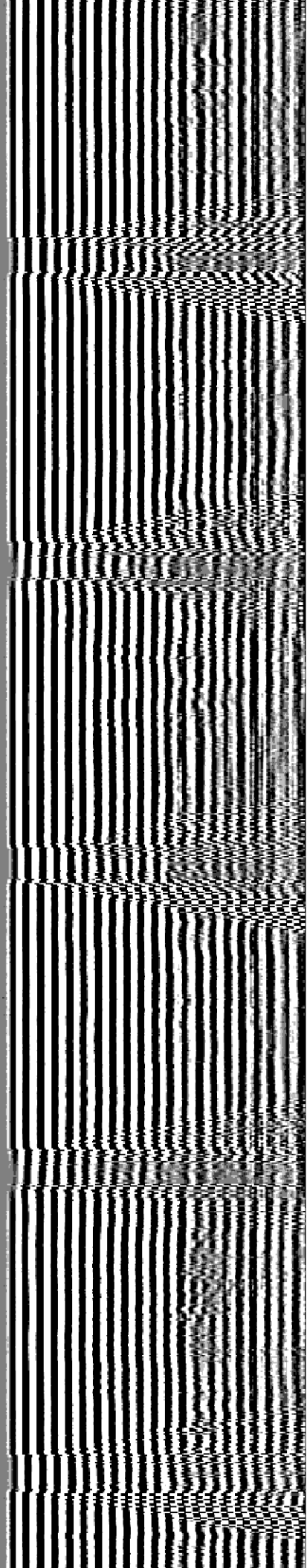
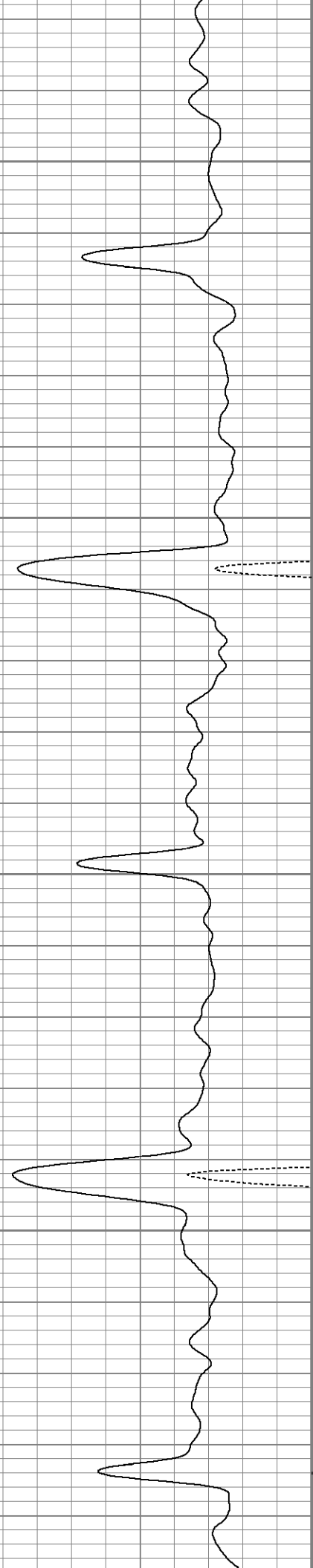


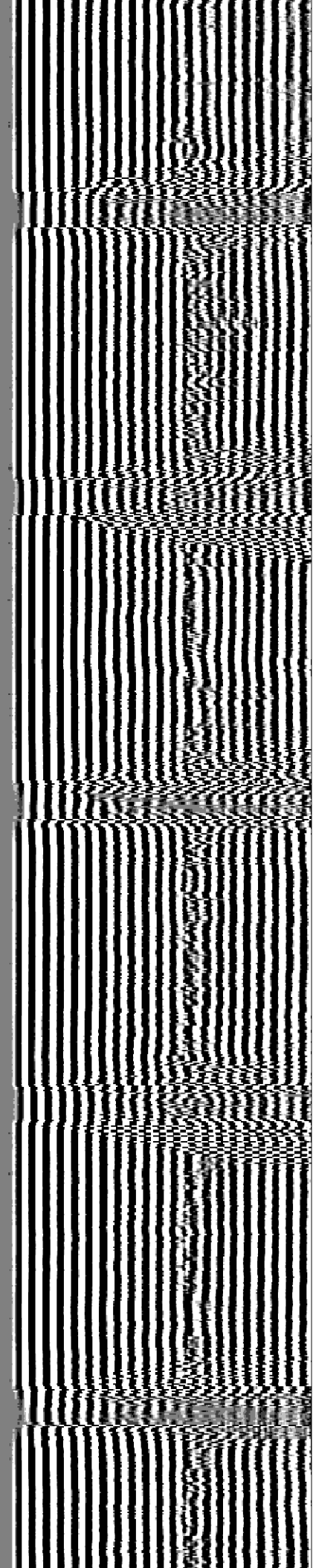
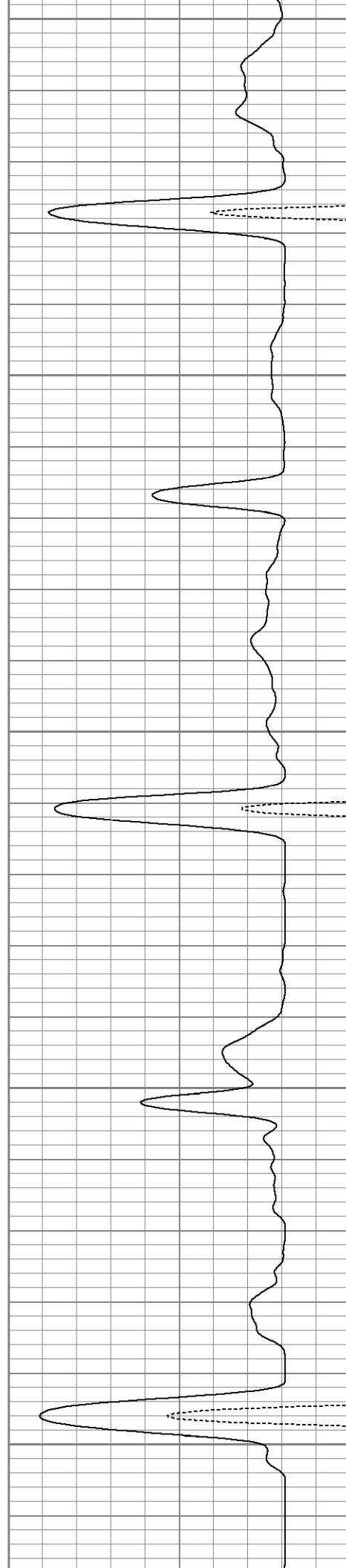
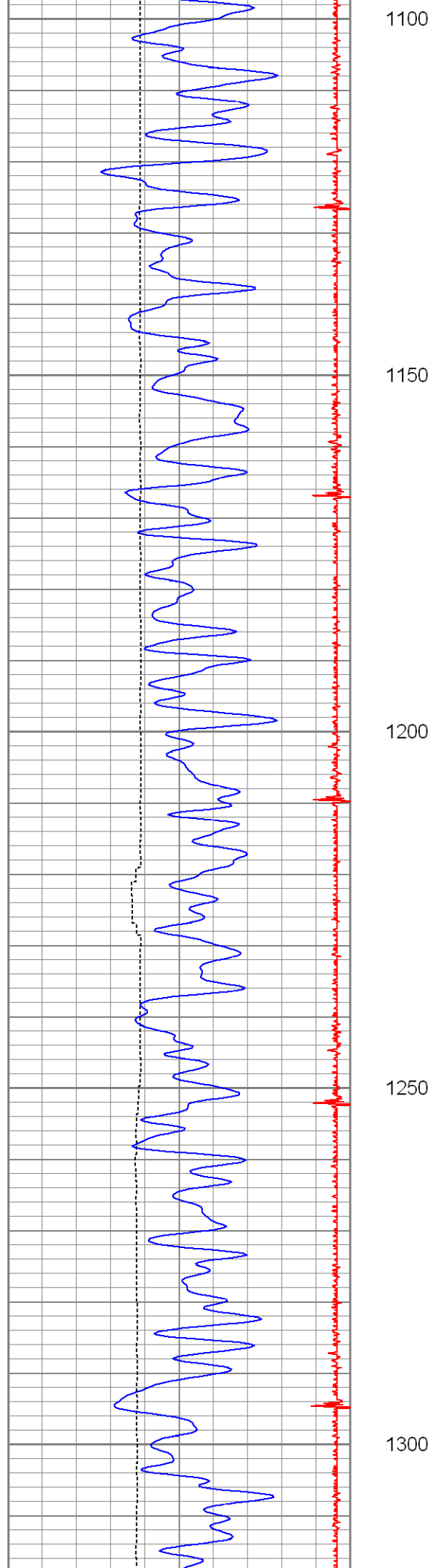
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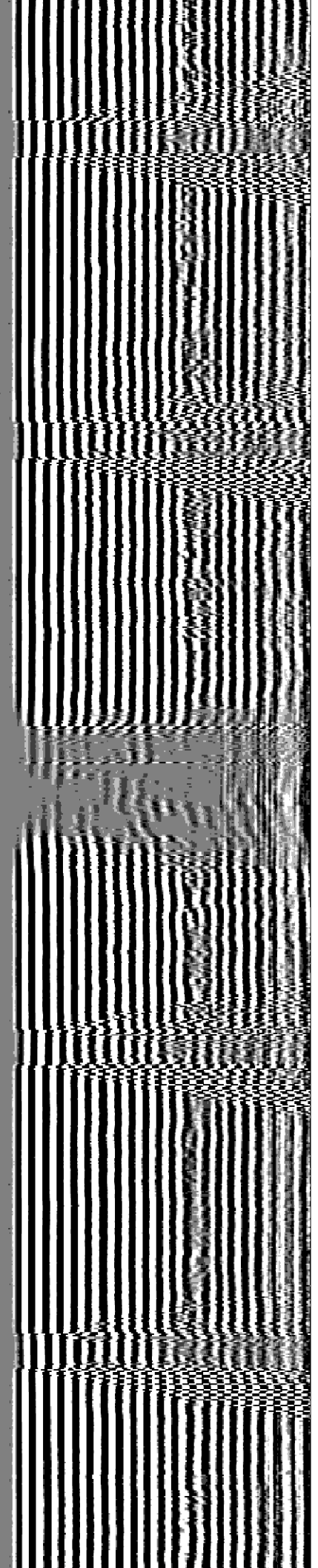
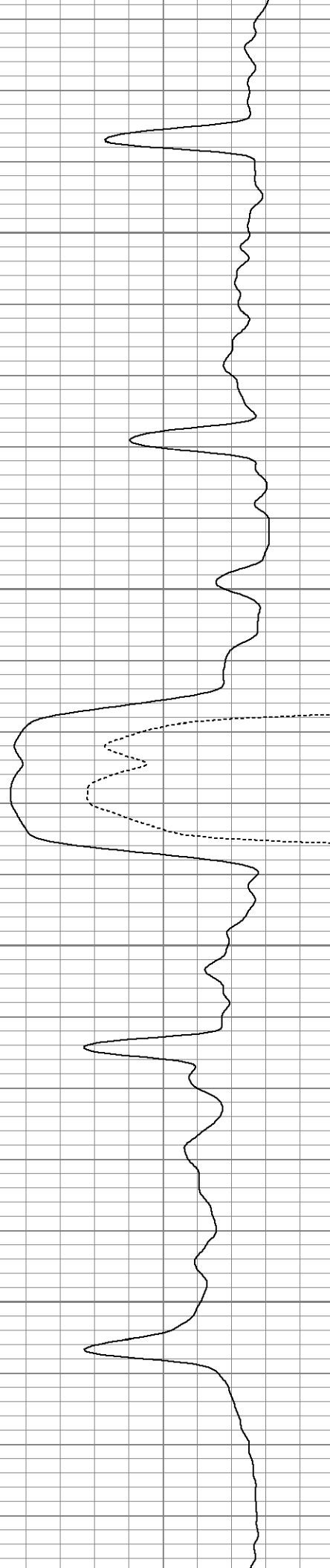
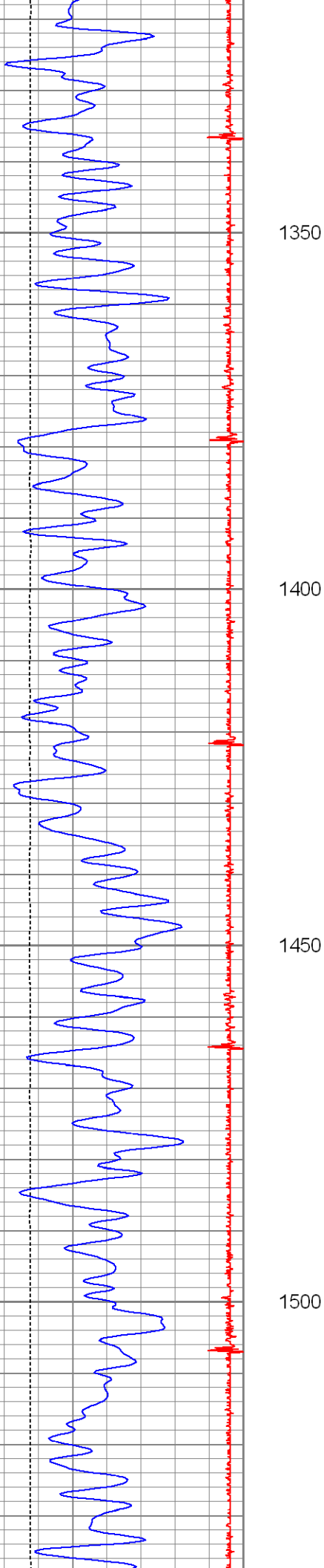
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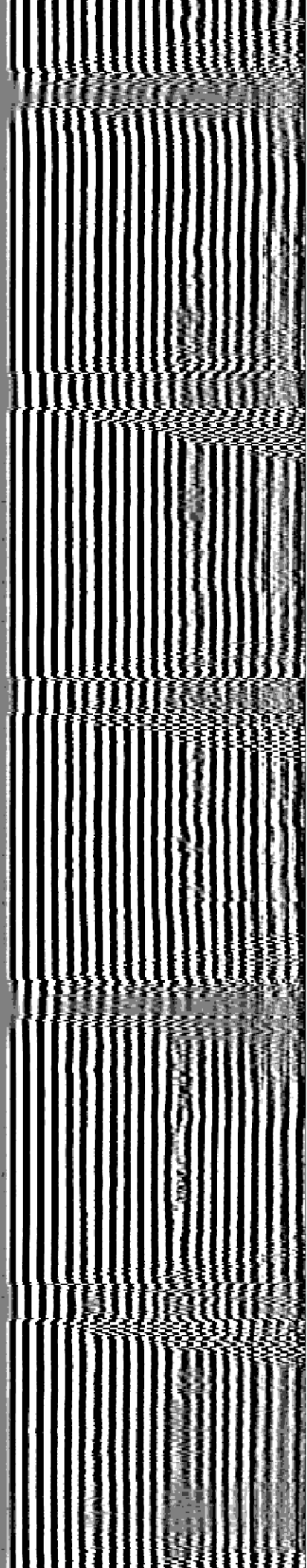
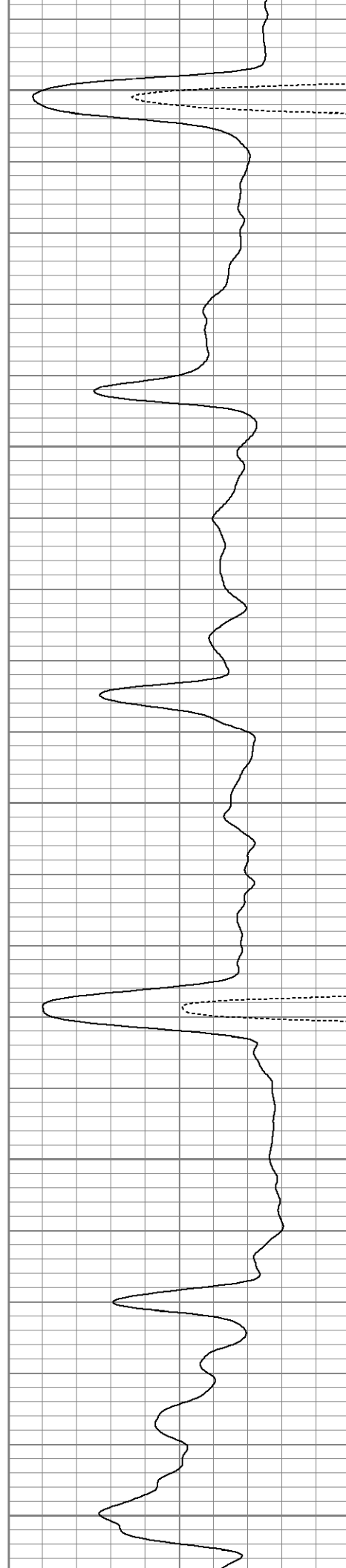
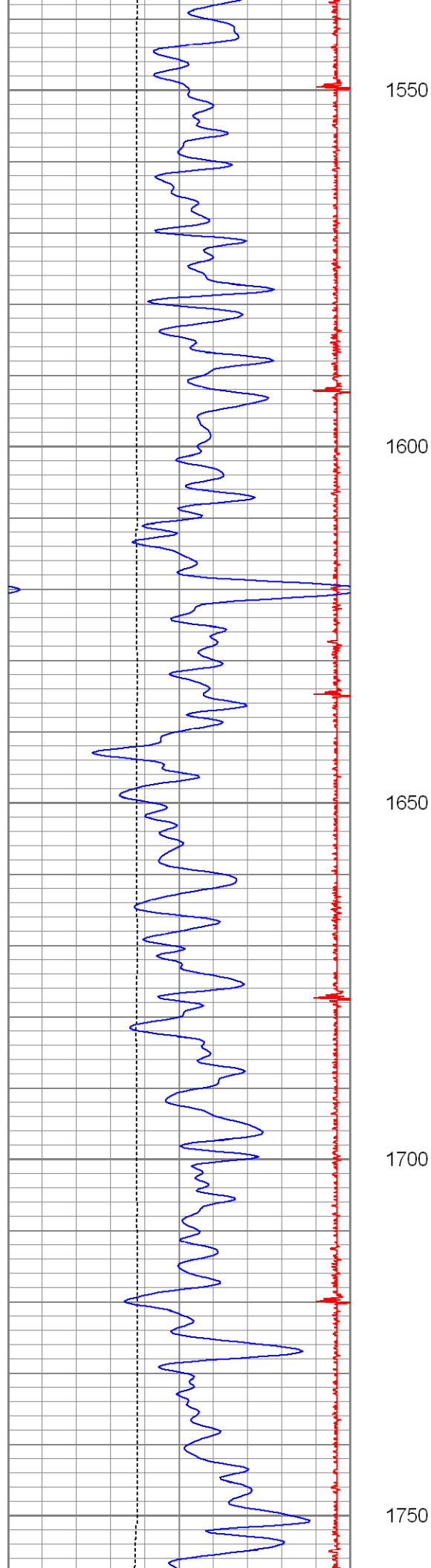
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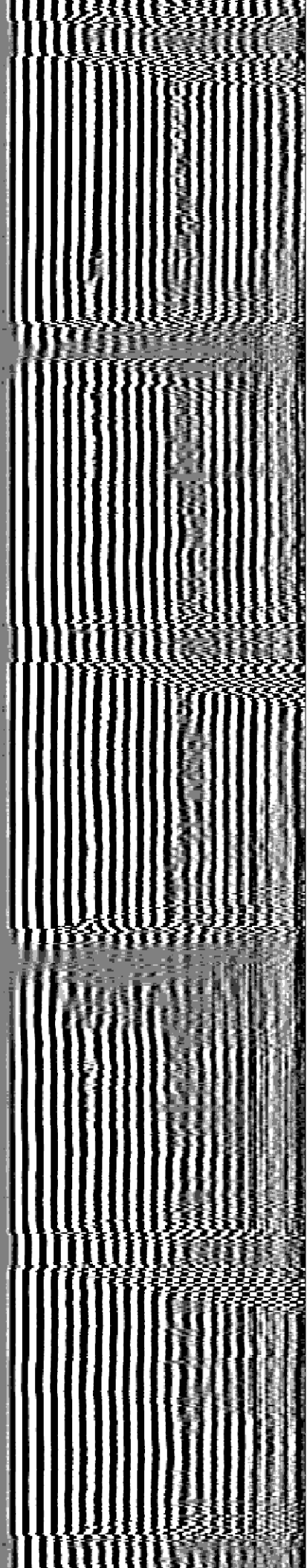
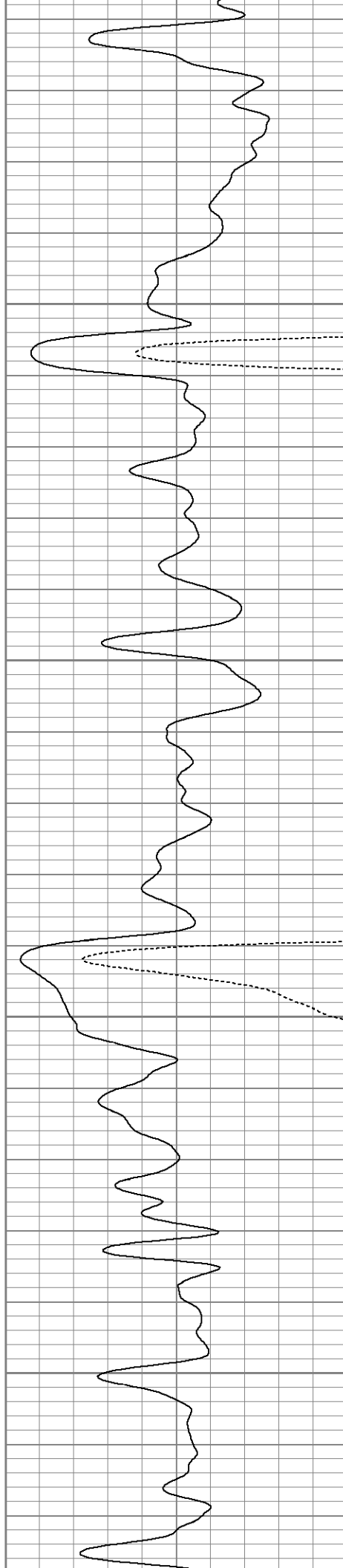
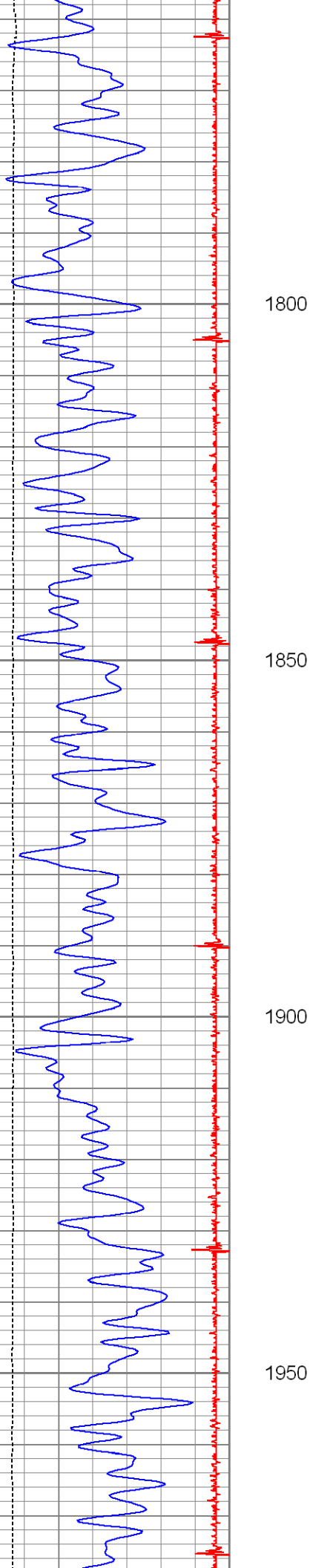
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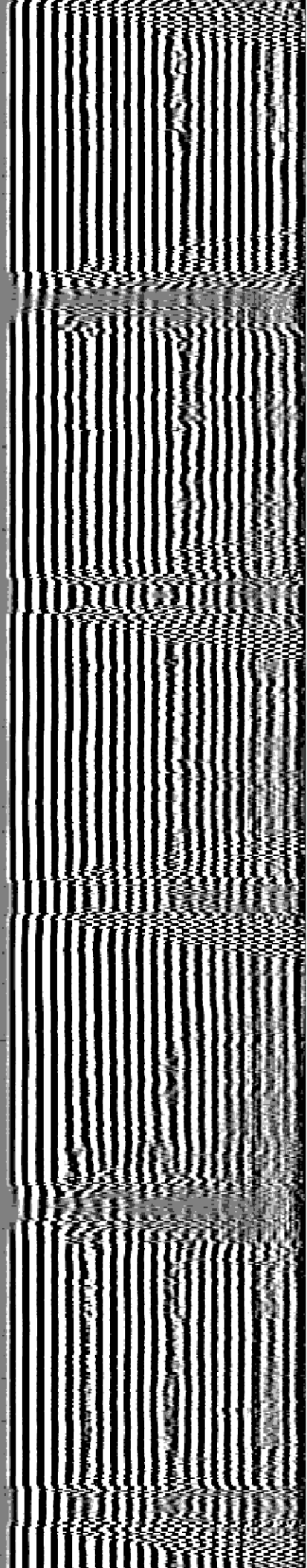
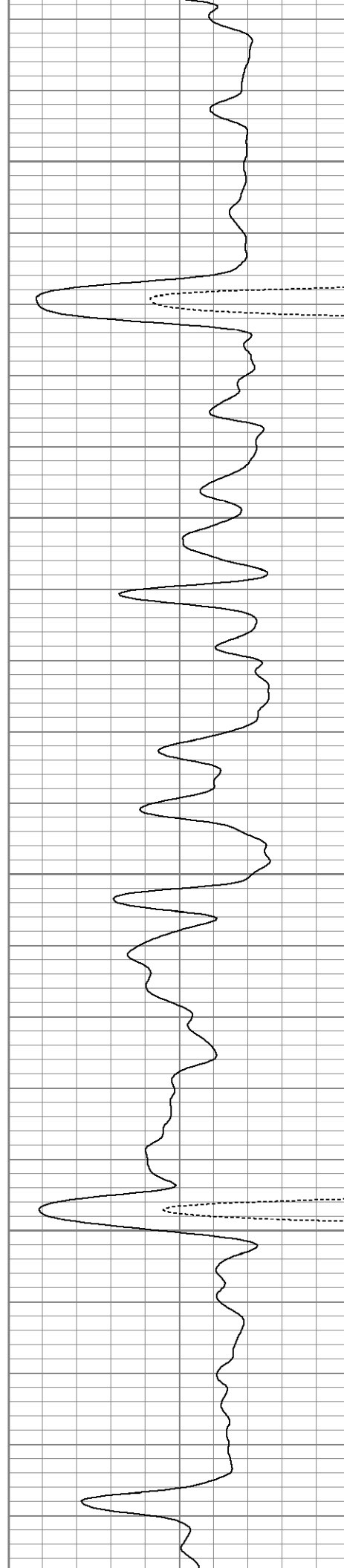
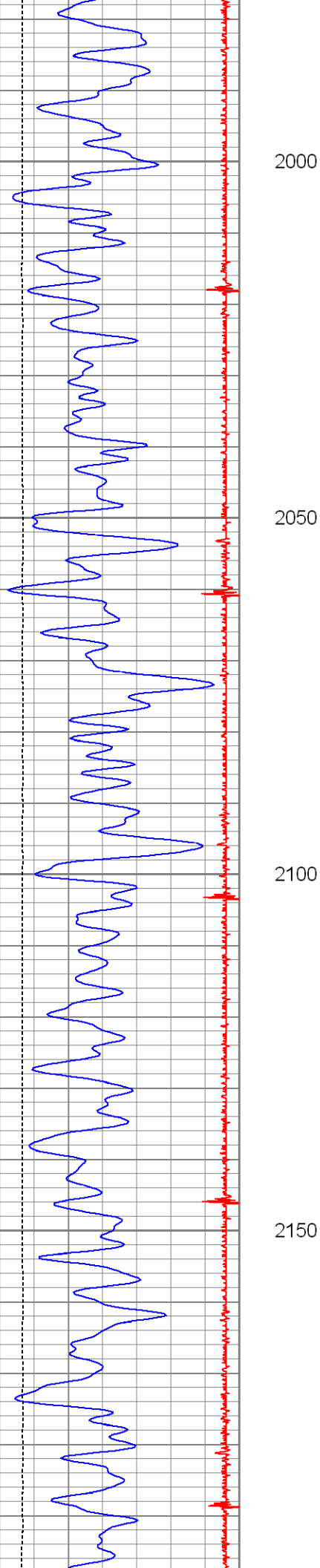


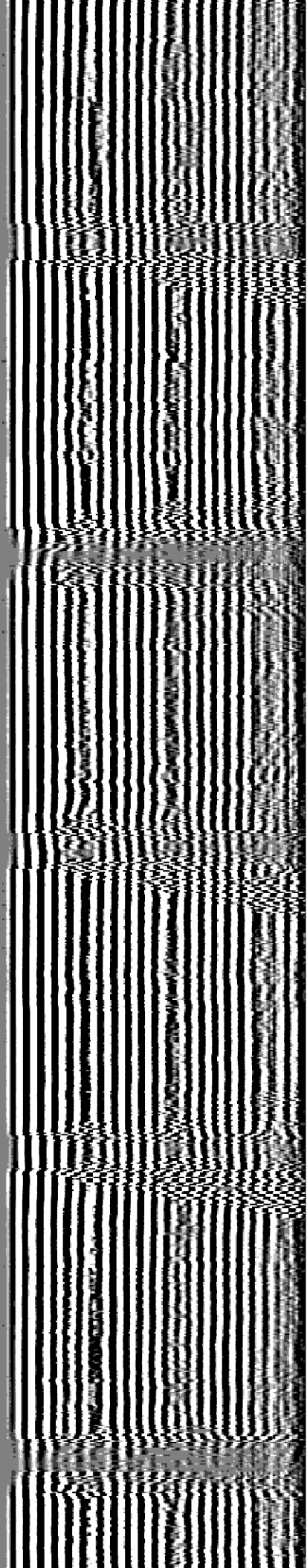
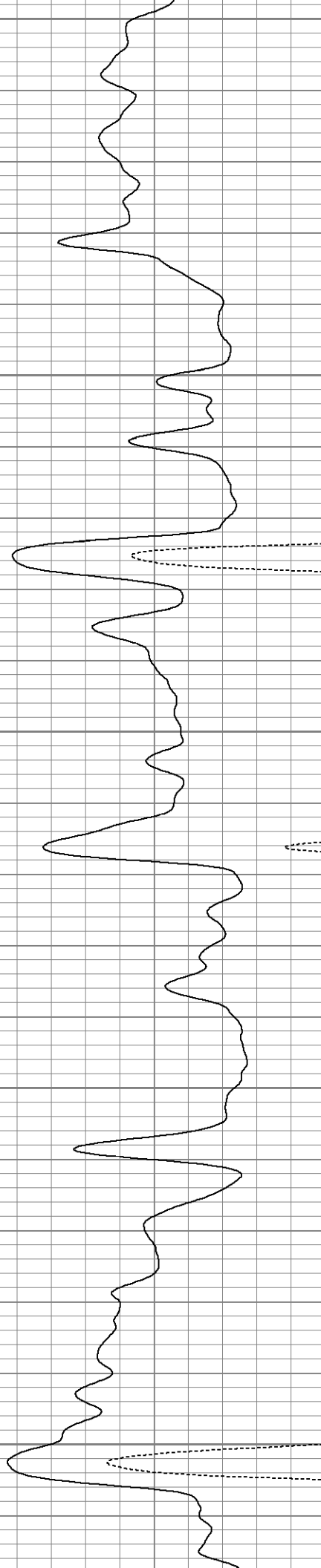
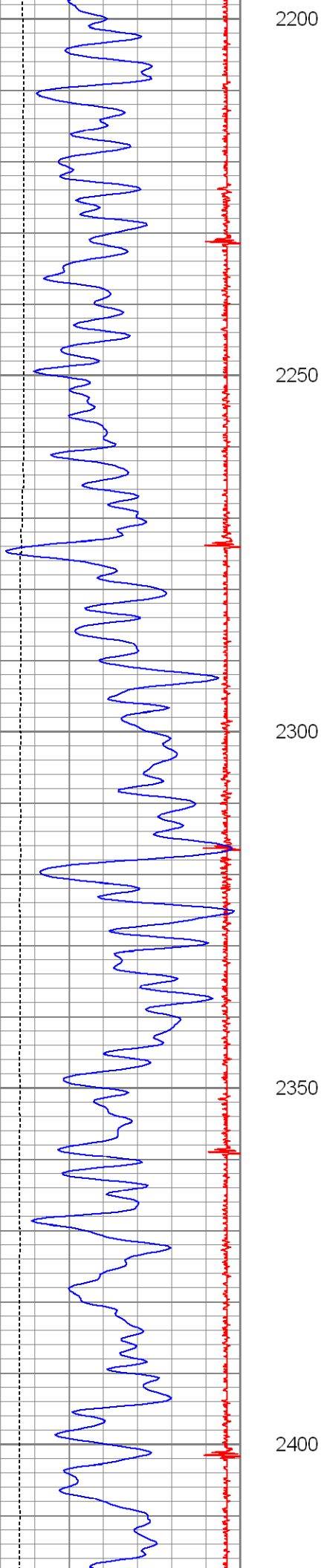


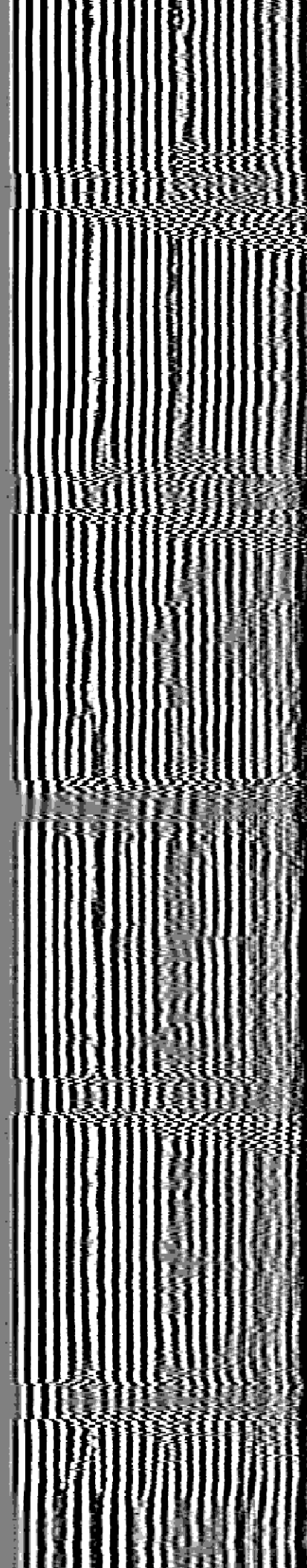
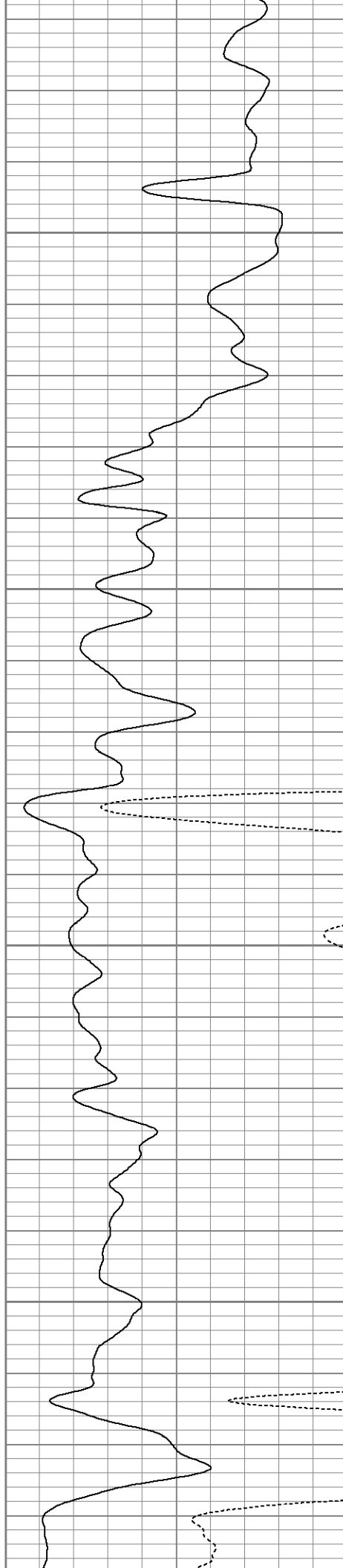
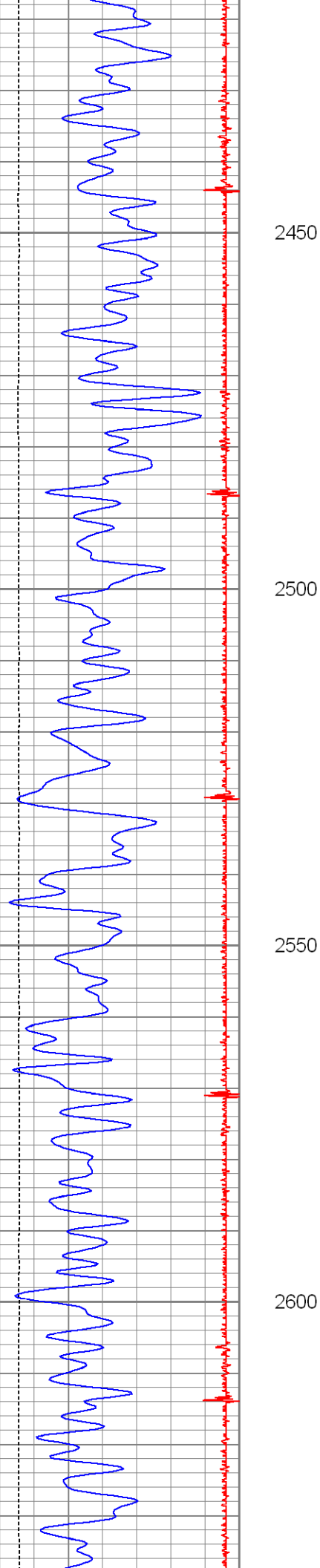


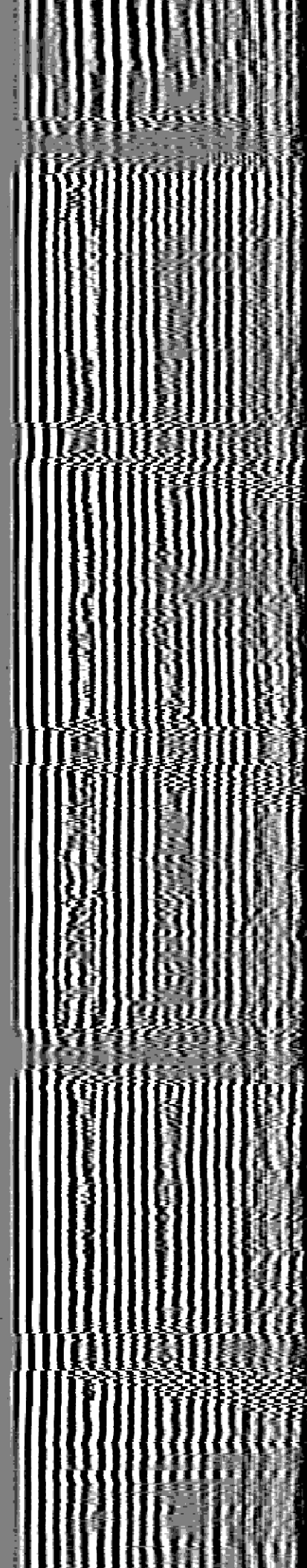
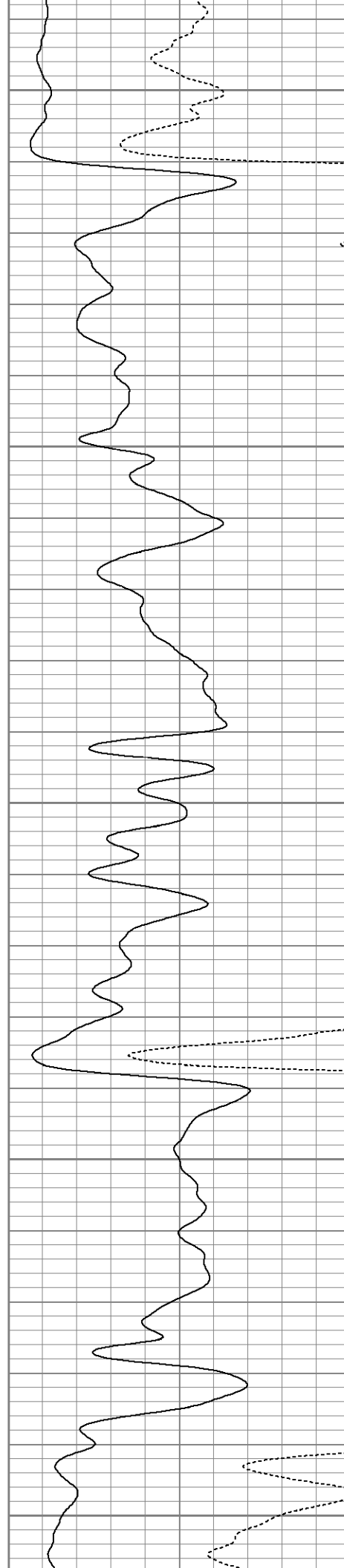
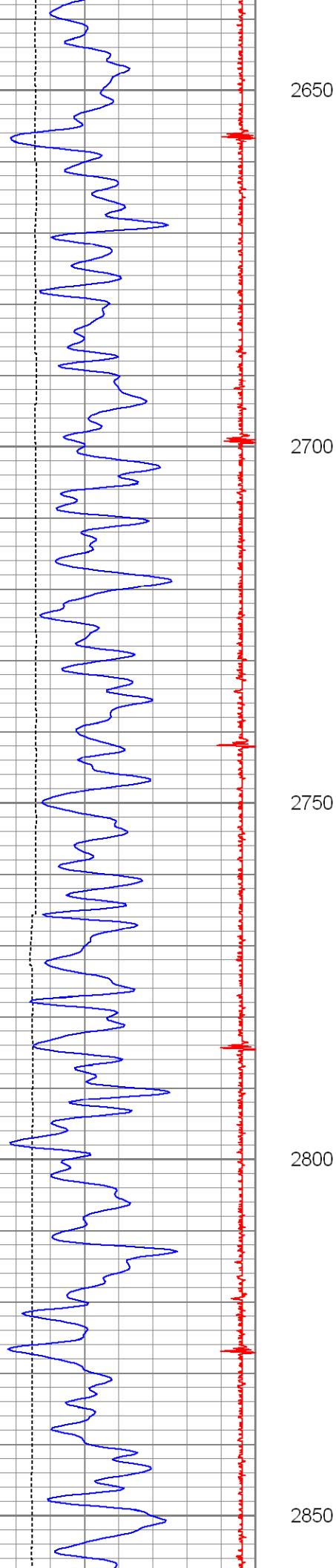


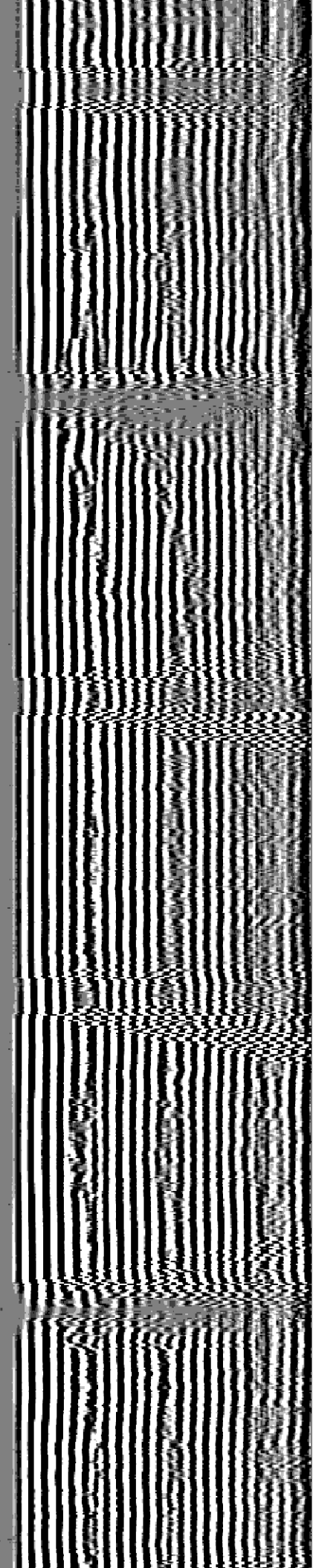
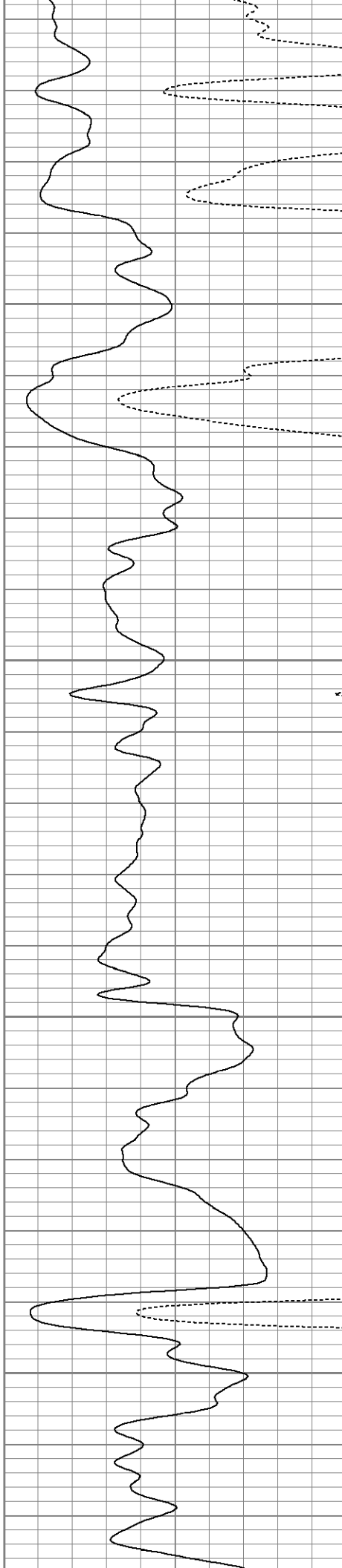
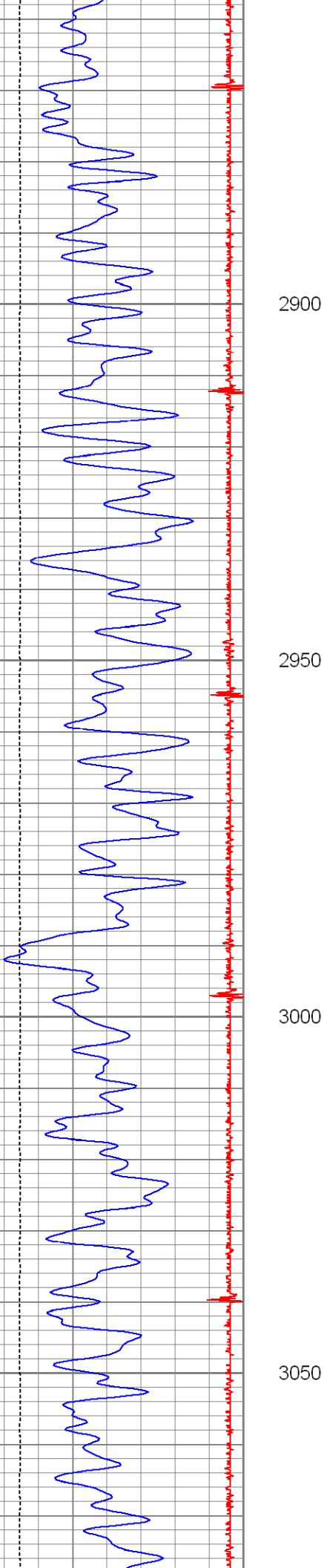


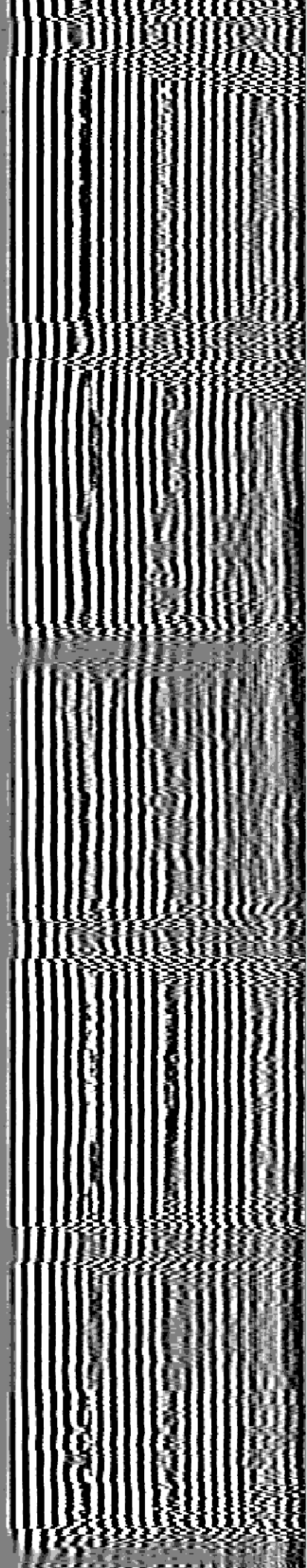
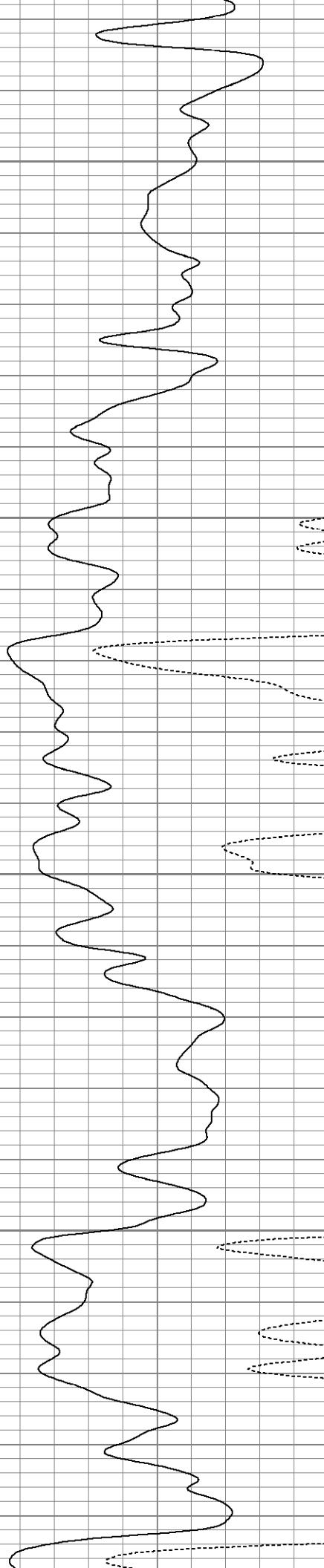
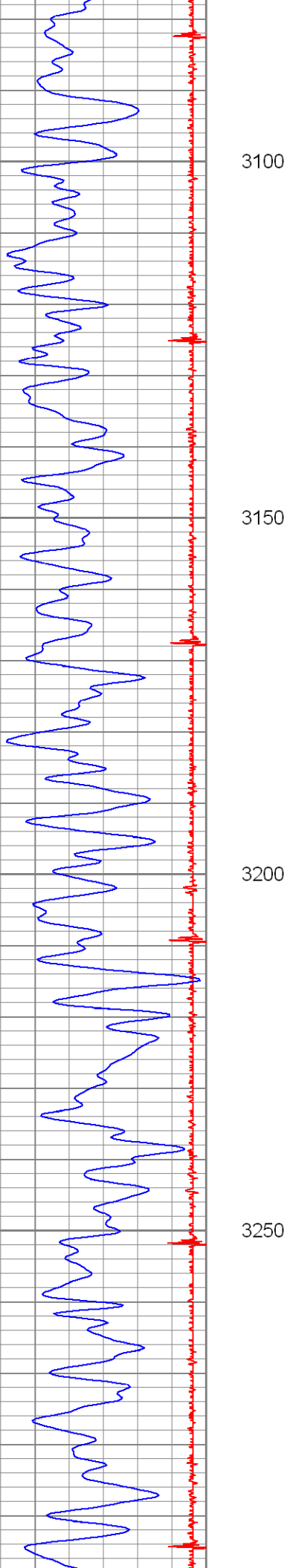


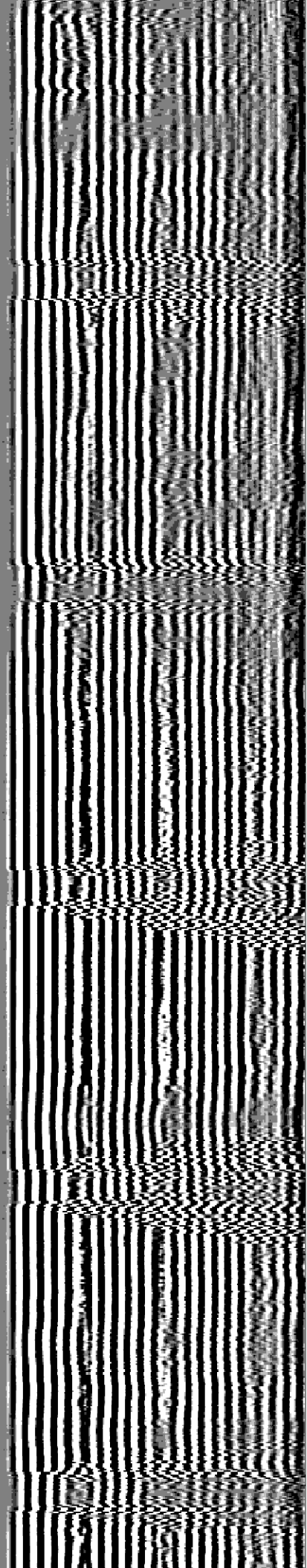
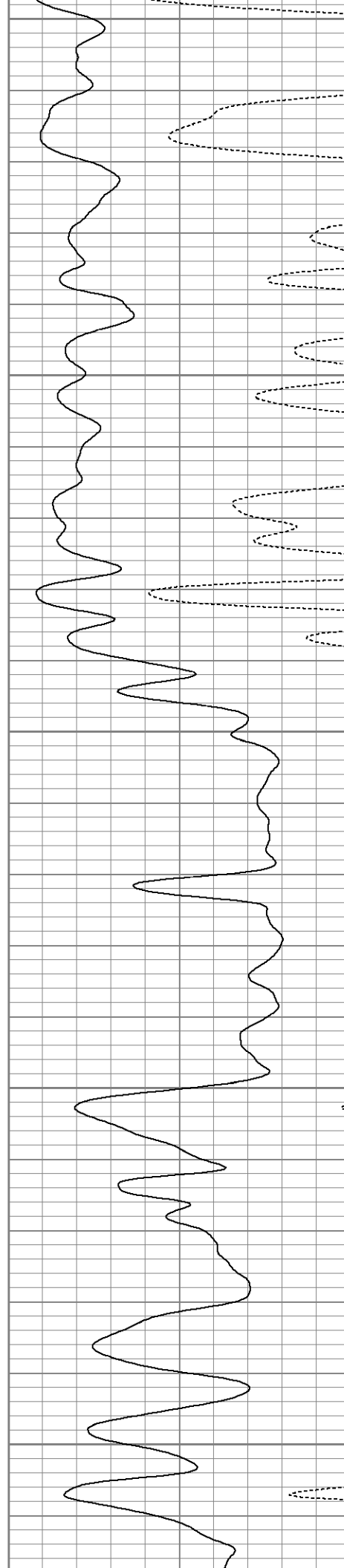
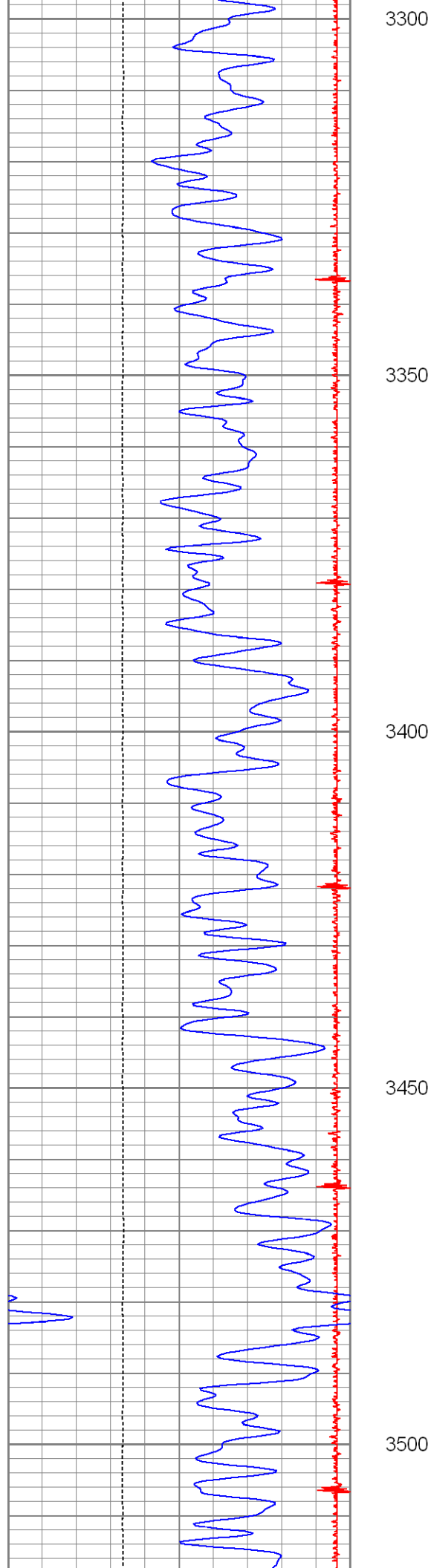


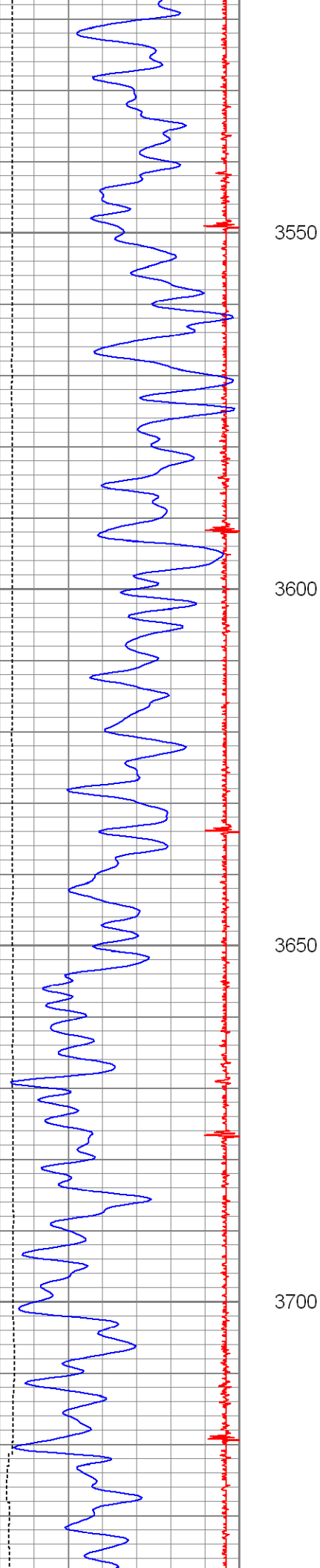










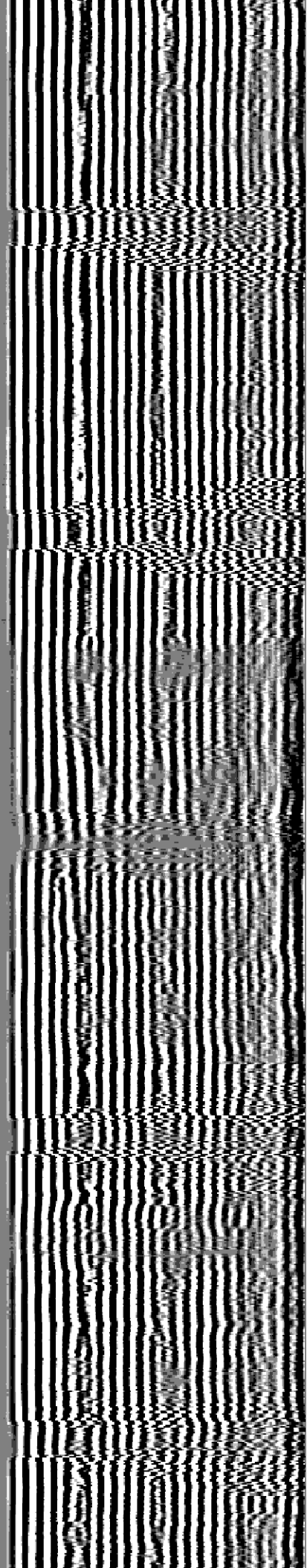
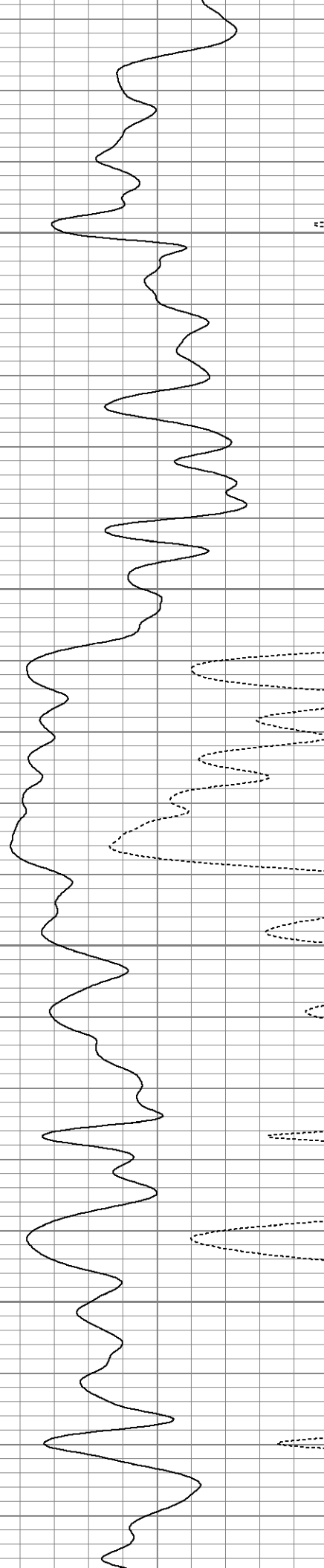


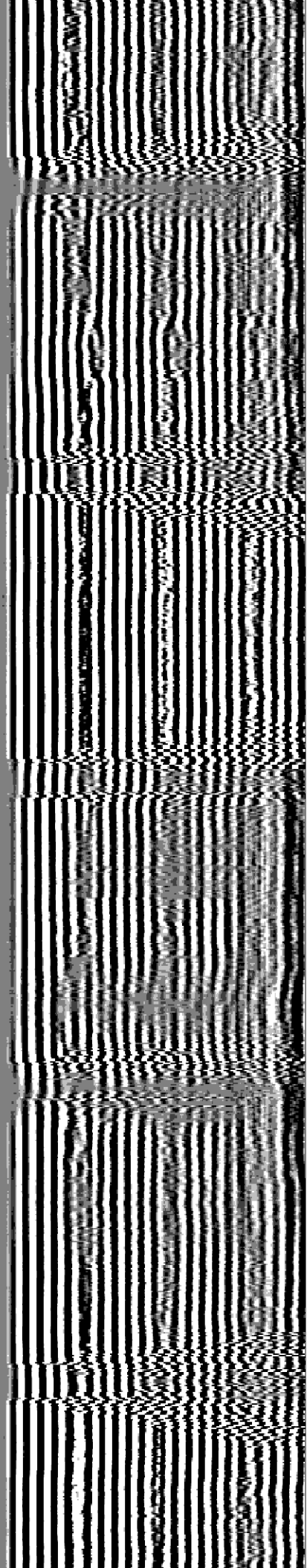
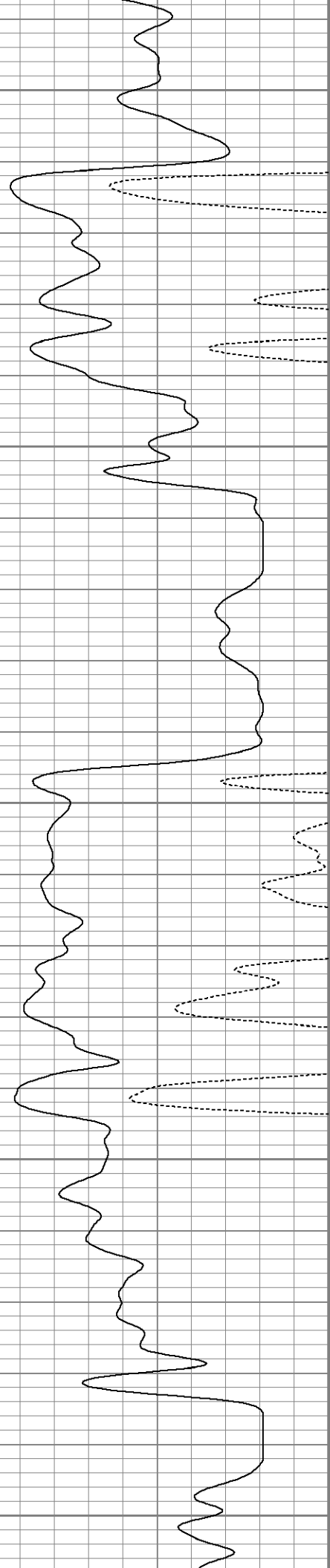
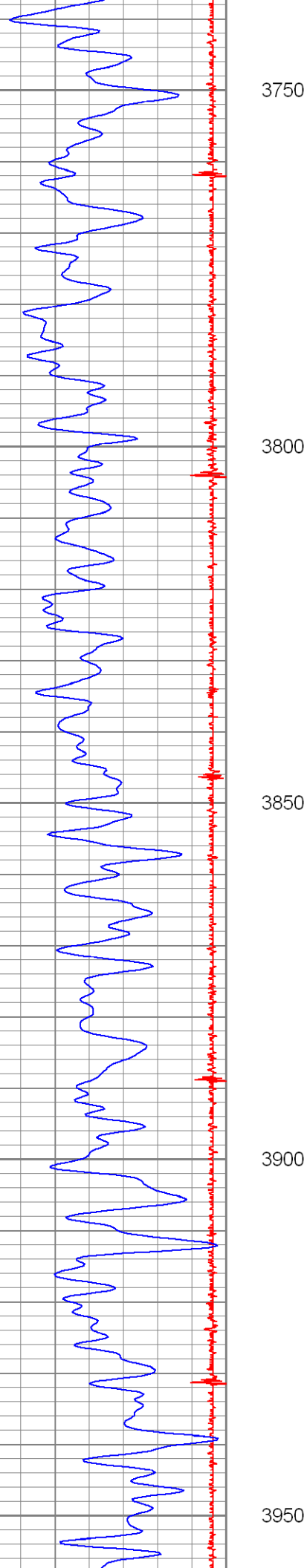
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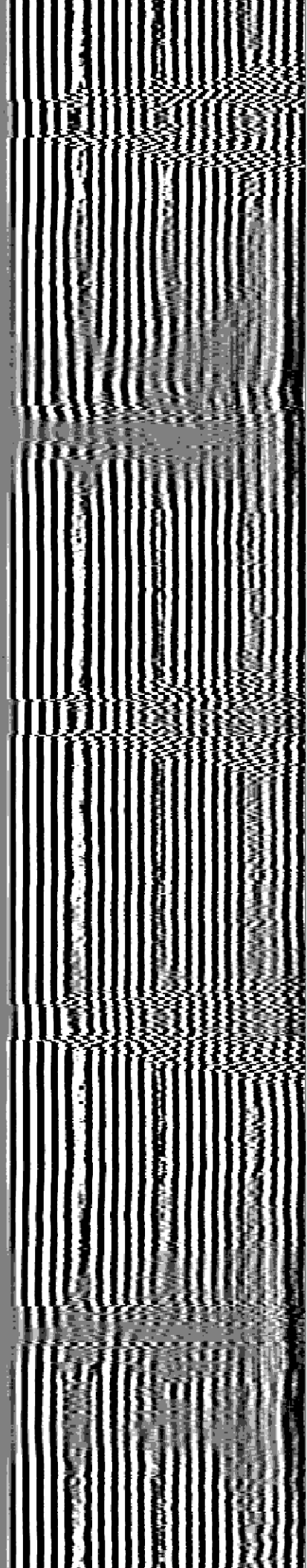
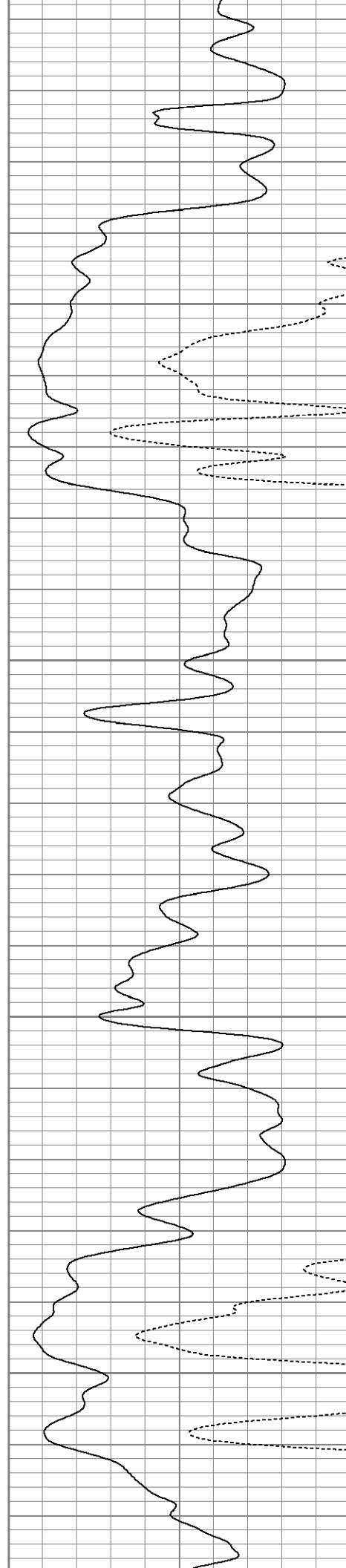
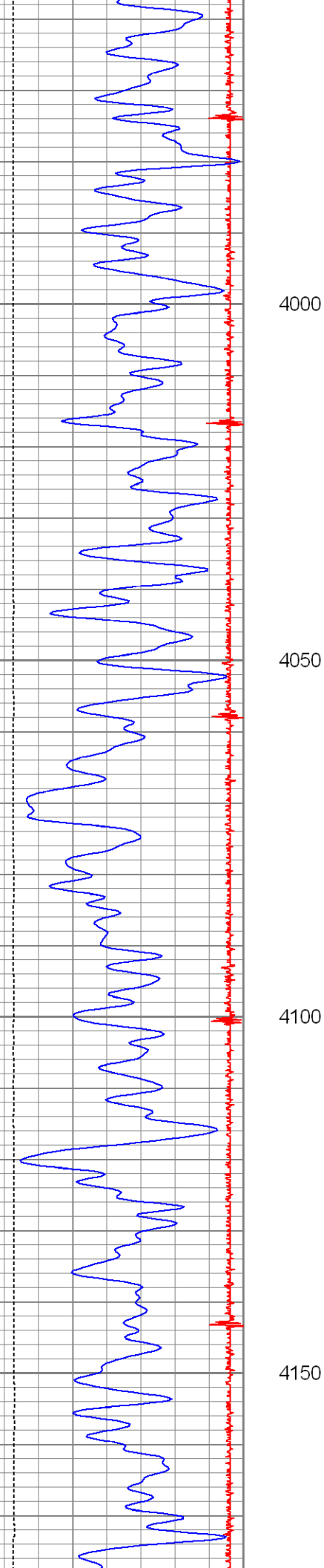
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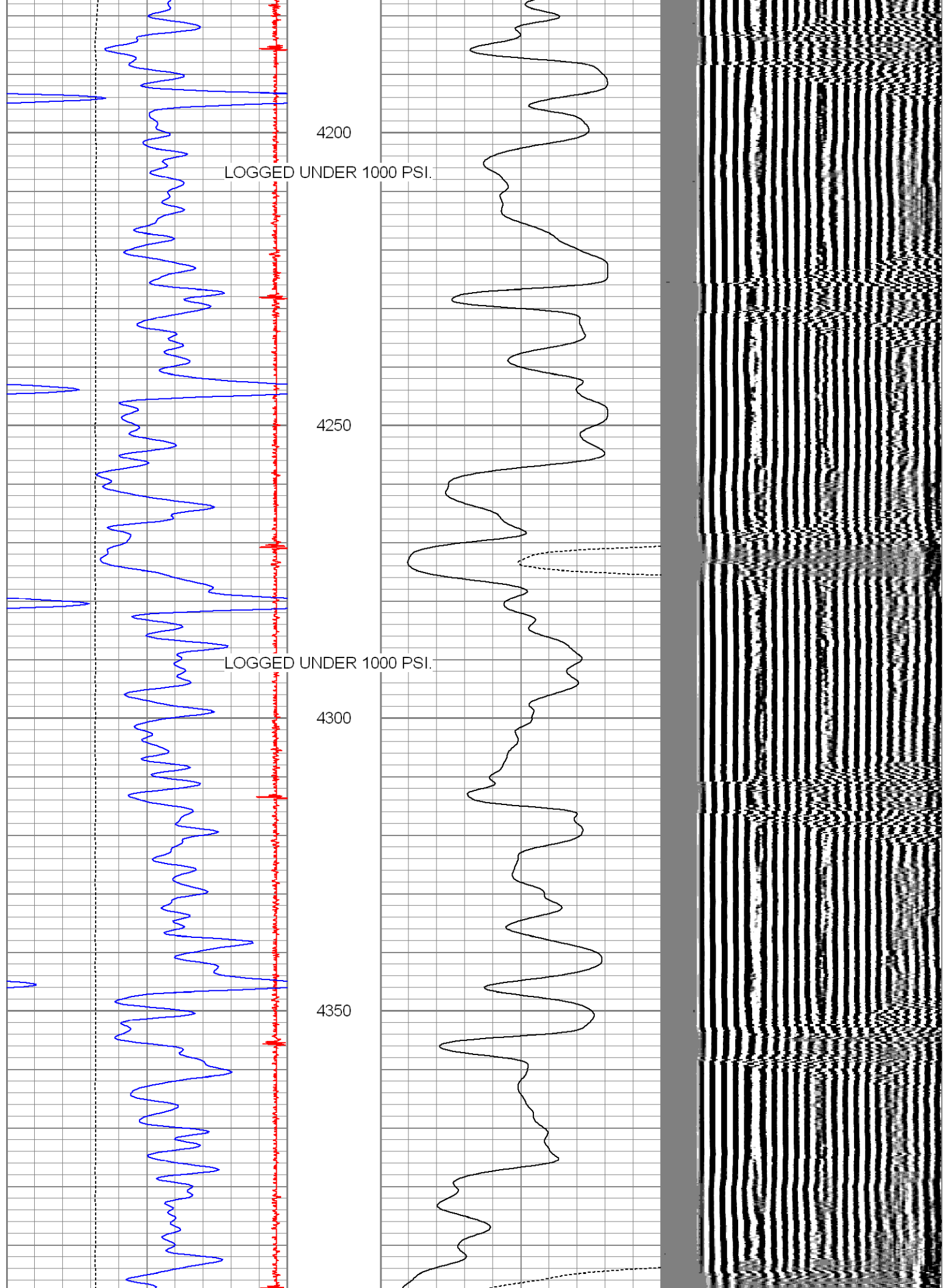
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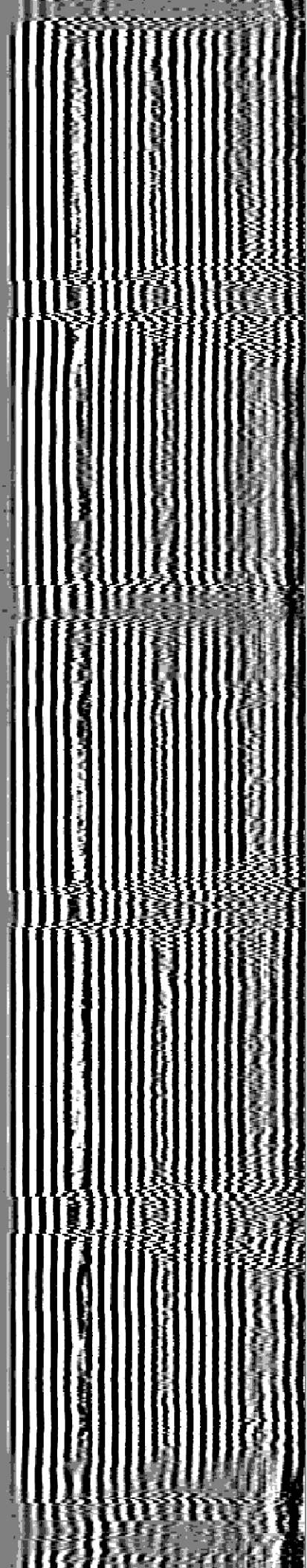
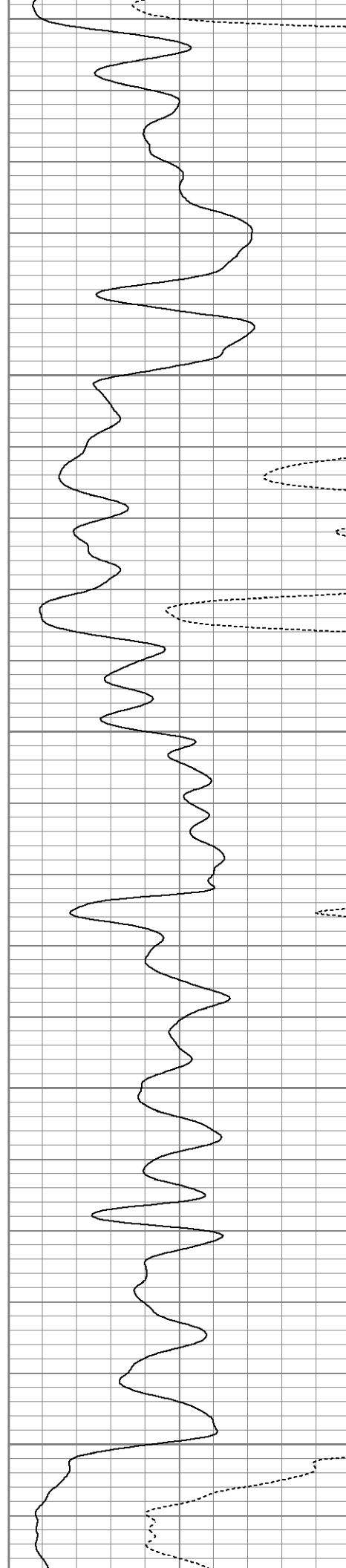
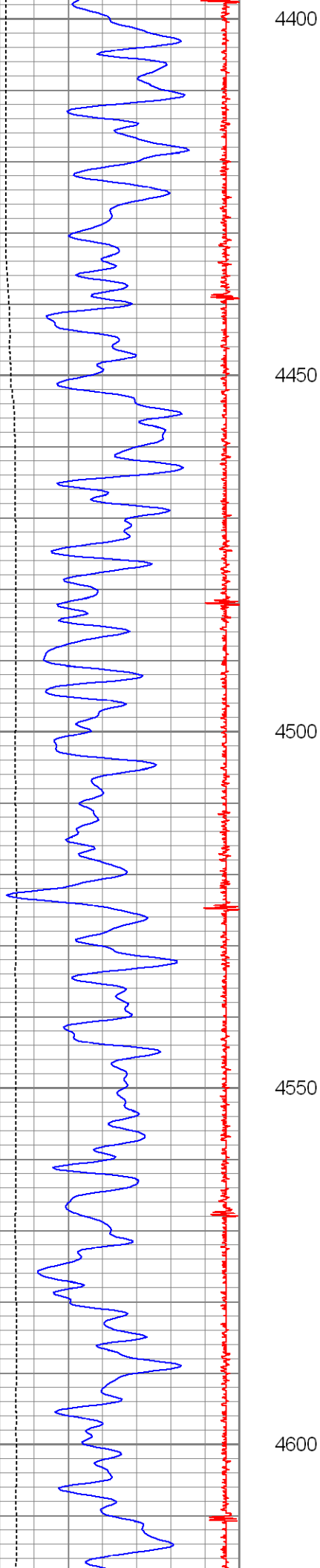
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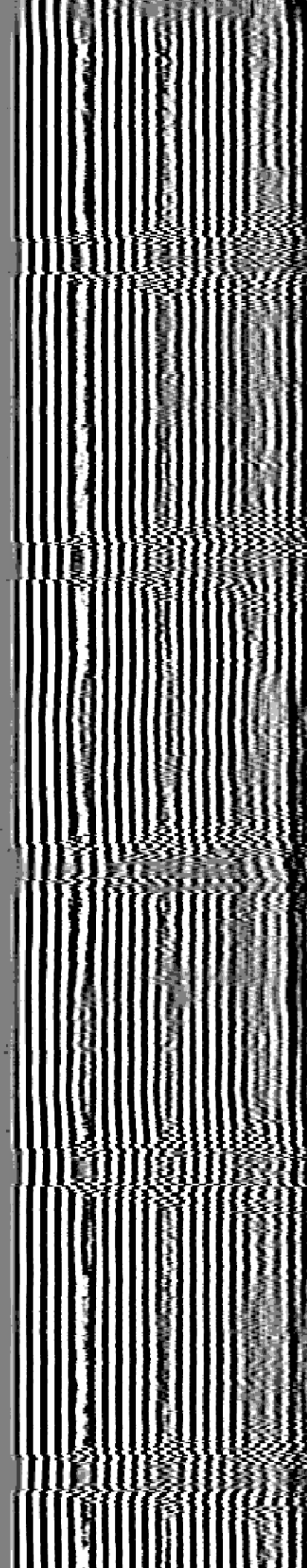
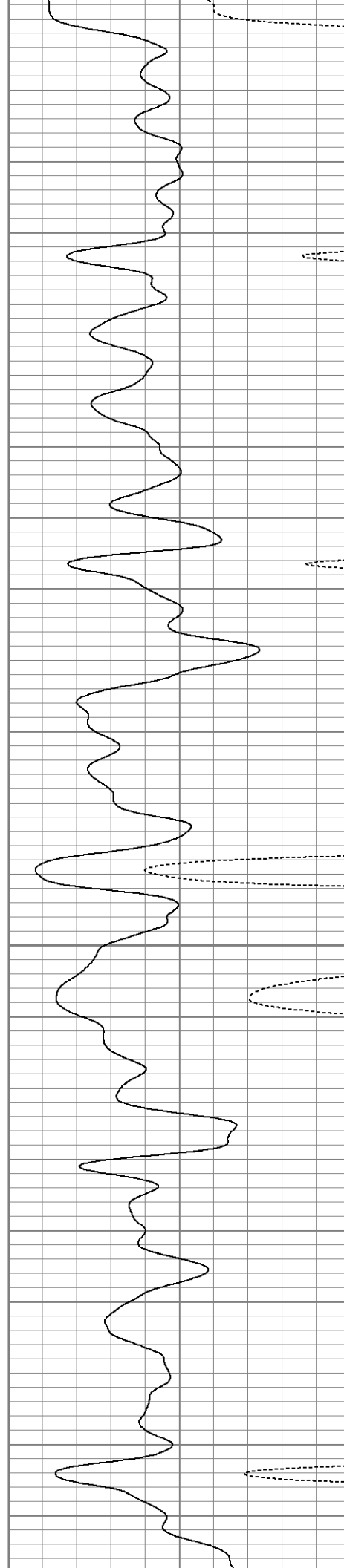
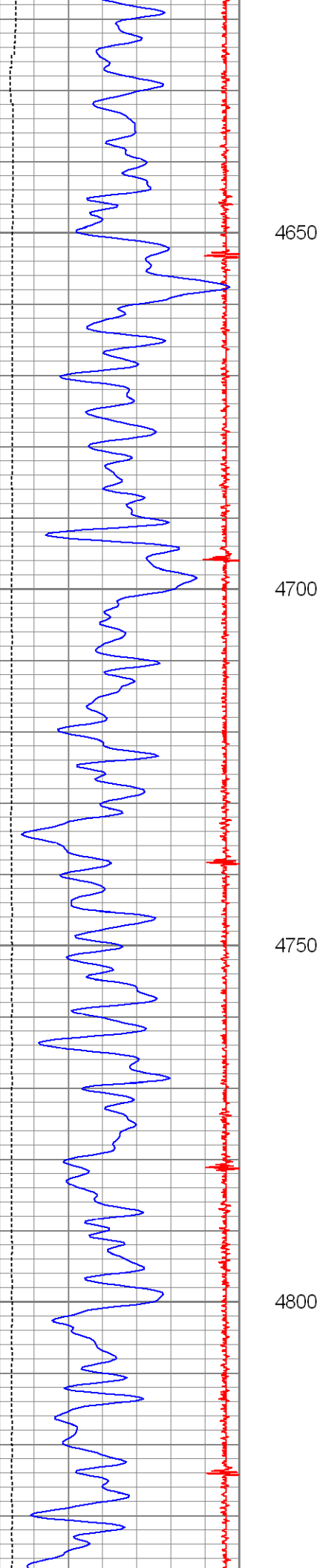


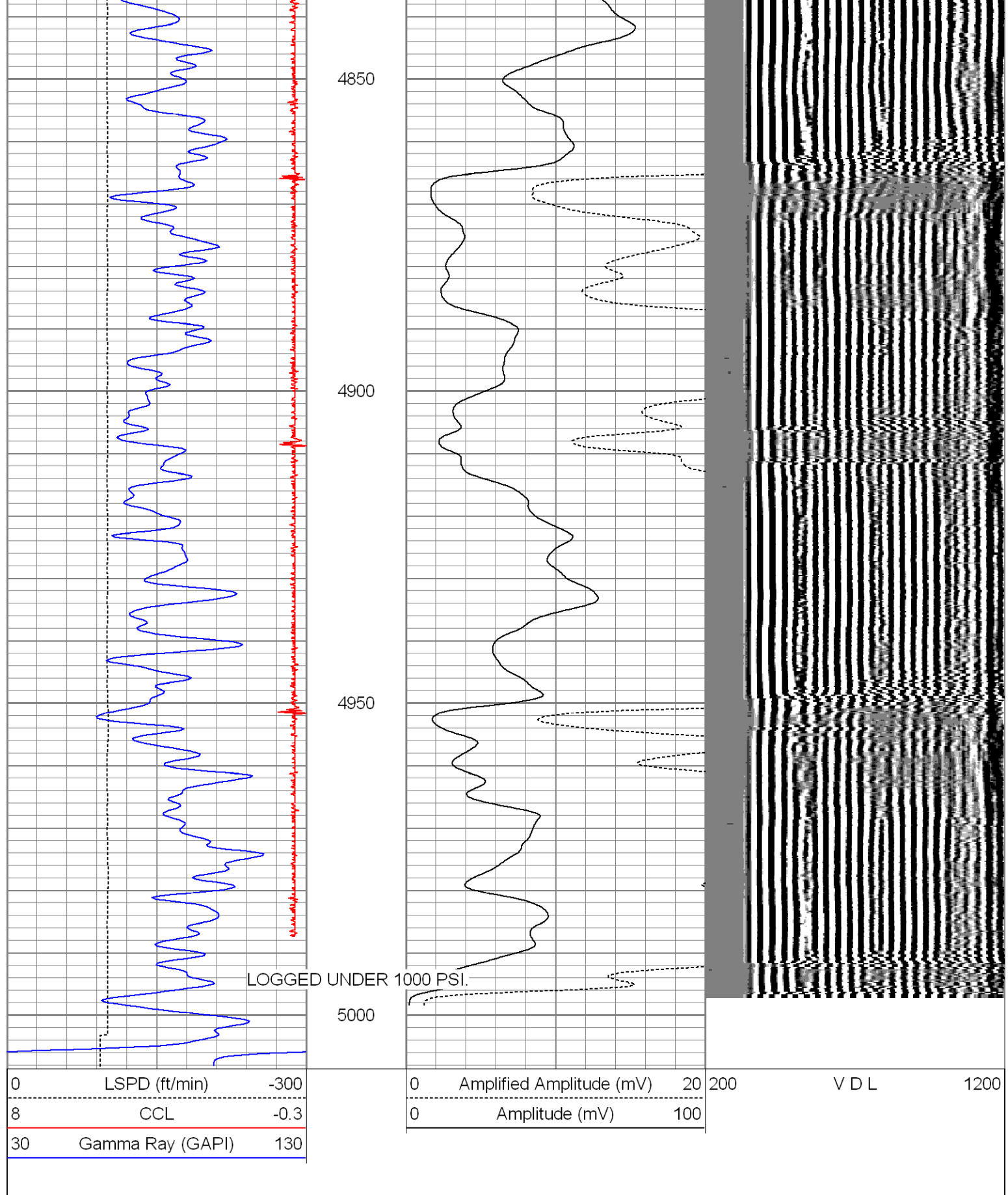




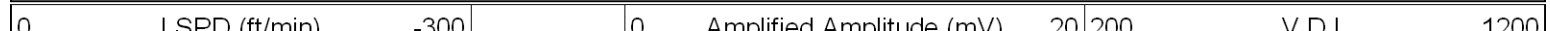






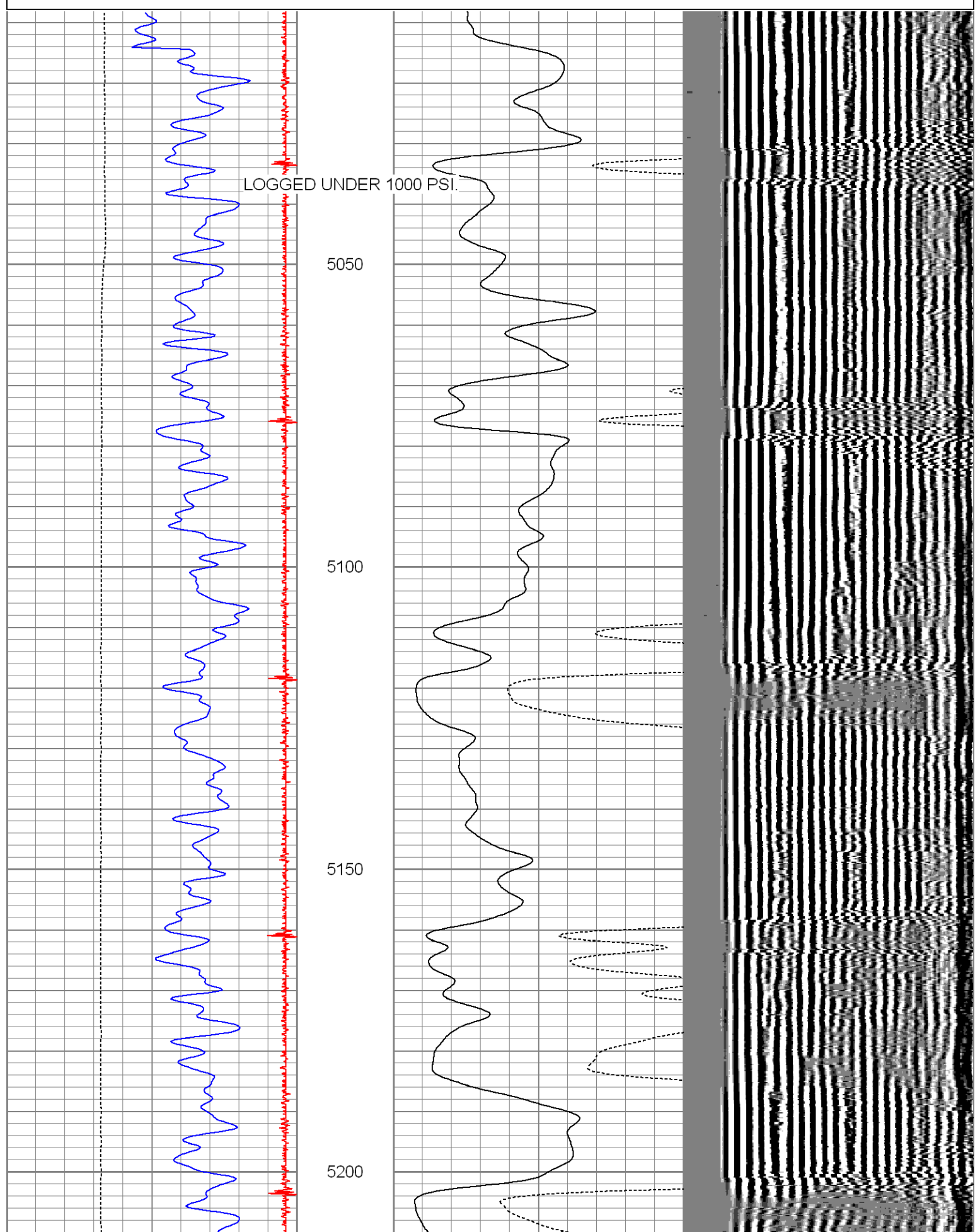


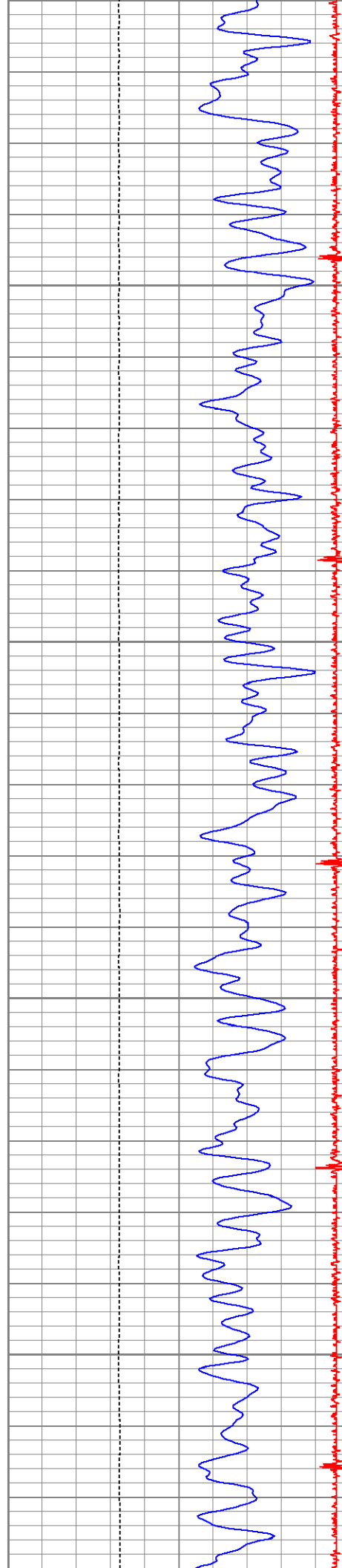
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Dataset Pathname: pass5
Presentation Format: nuexcbl
Dataset Creation: Wed Aug 12 08:26:08 2009 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240



8	CCL	-0.3
0	Gamma Ray (GAPI)	200

0	Amplified Amplitude (mV)	20	200
0	Amplitude (mV)	100	



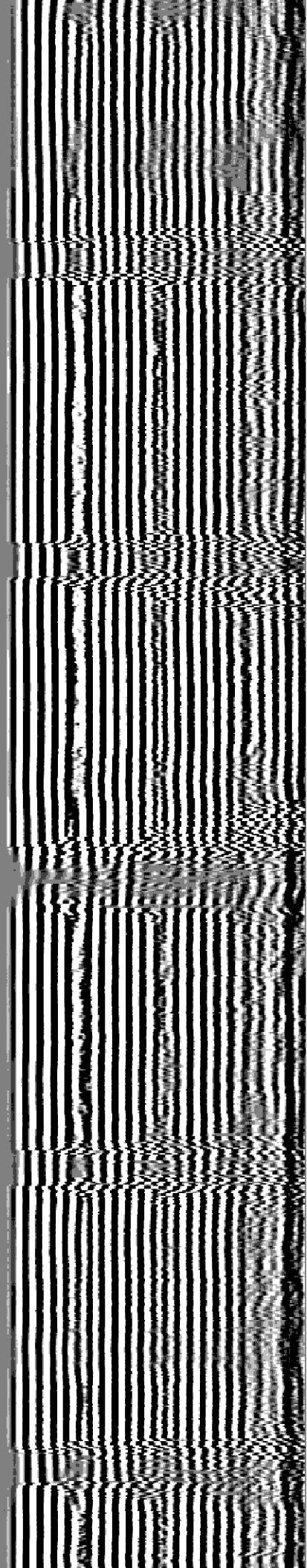
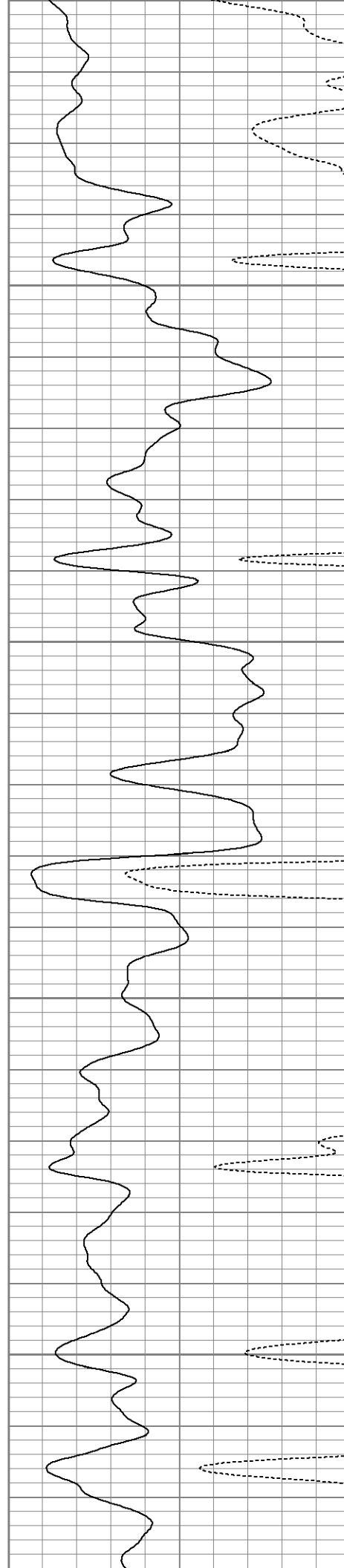


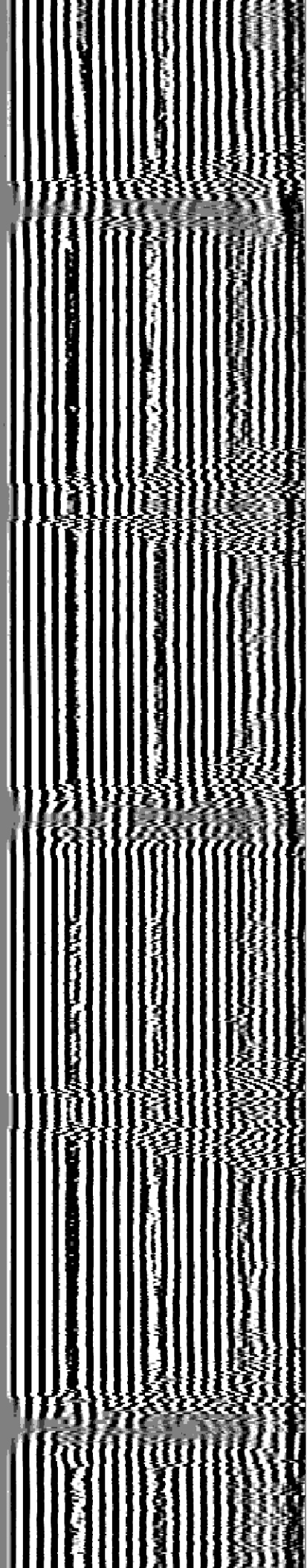
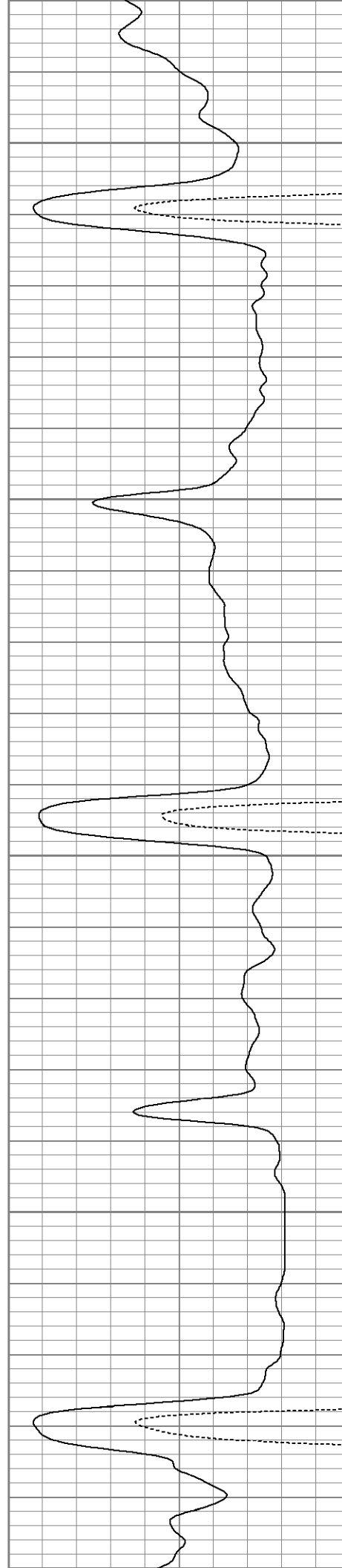
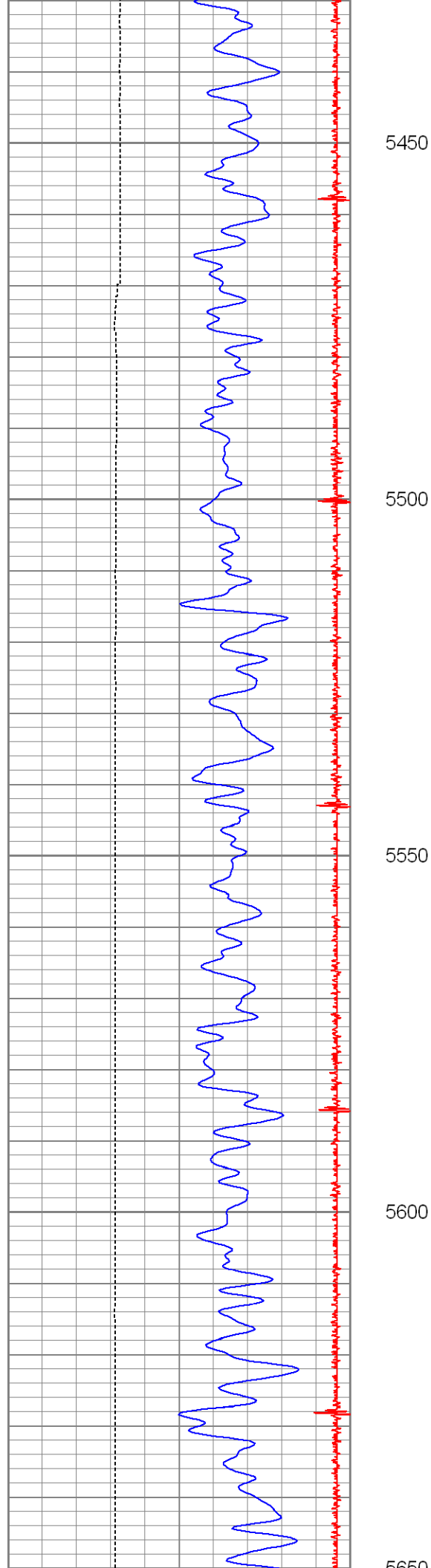
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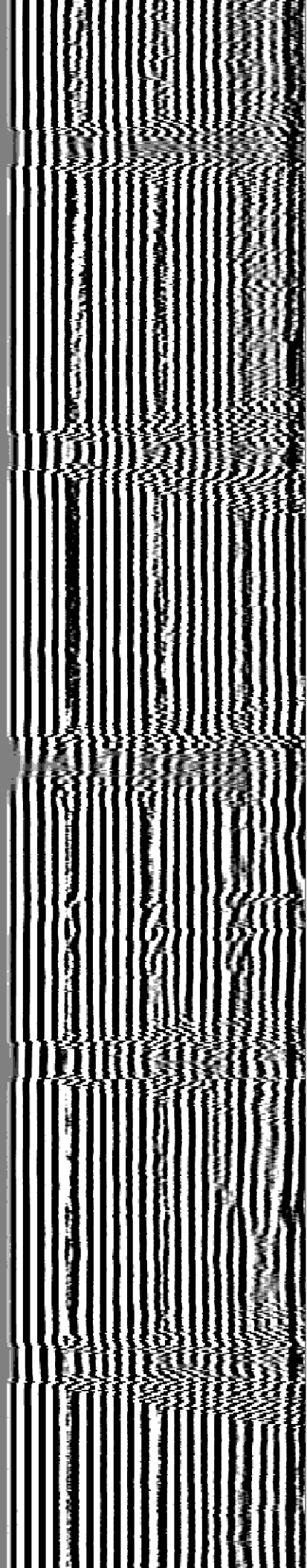
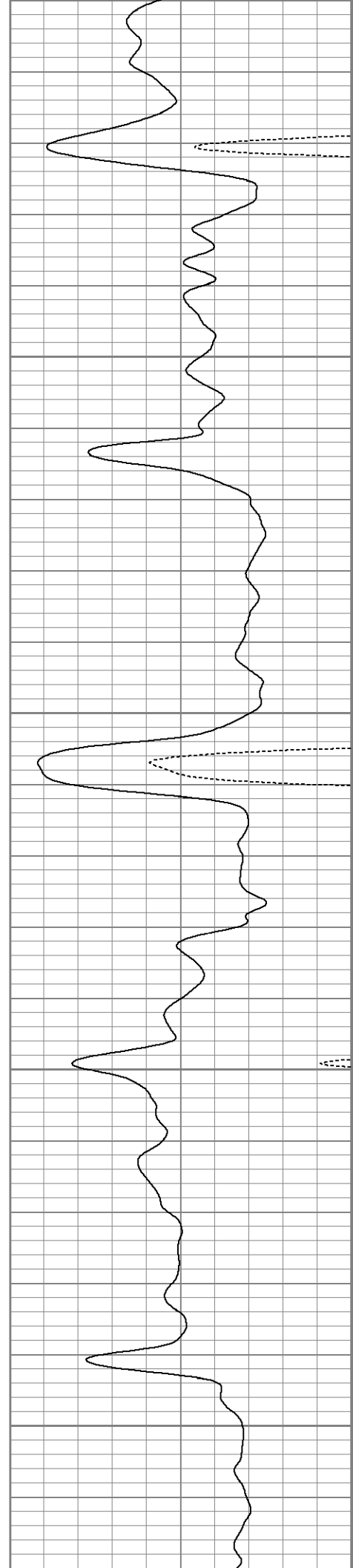
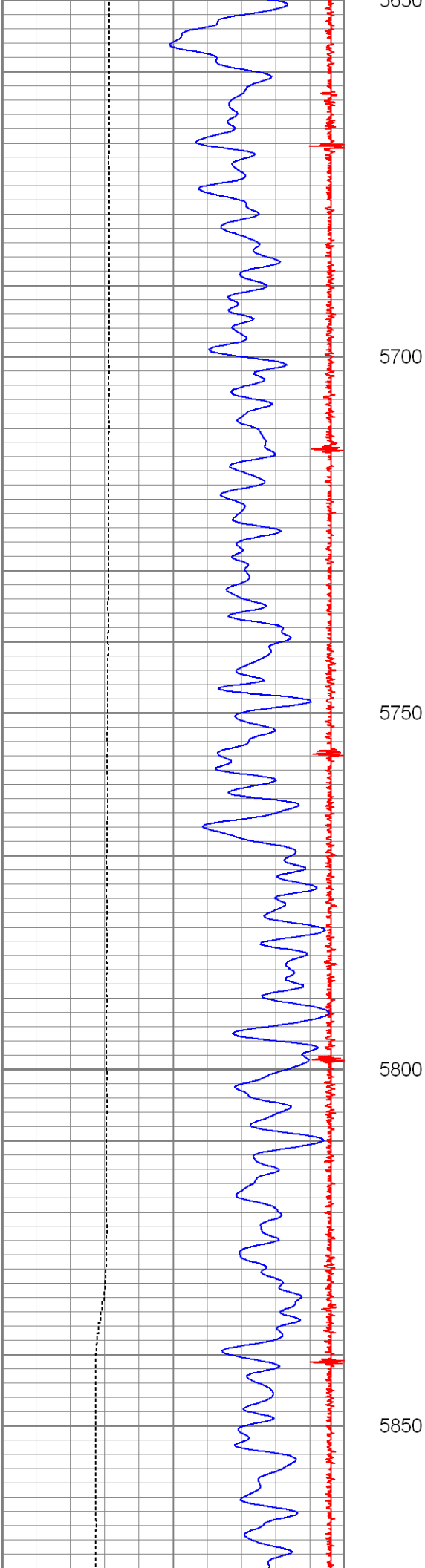
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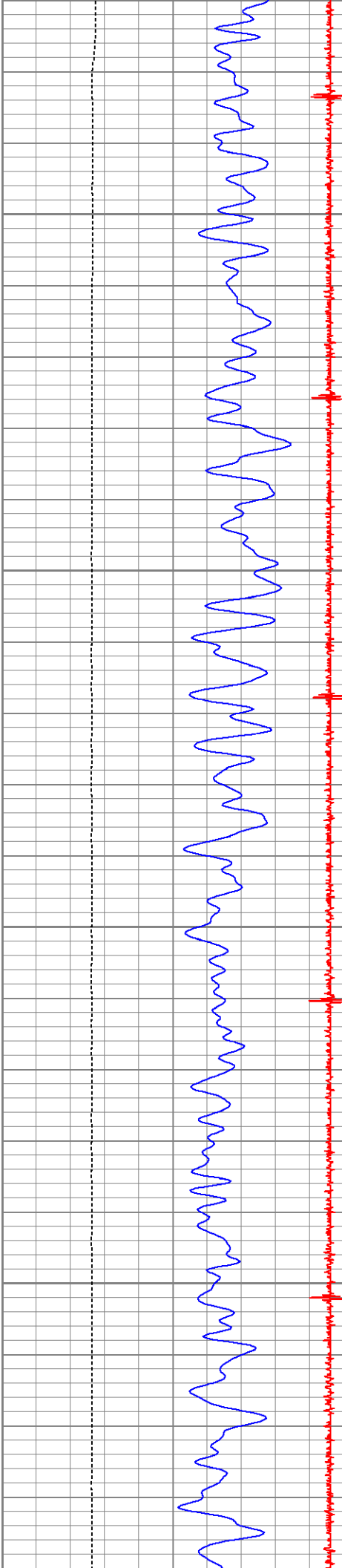
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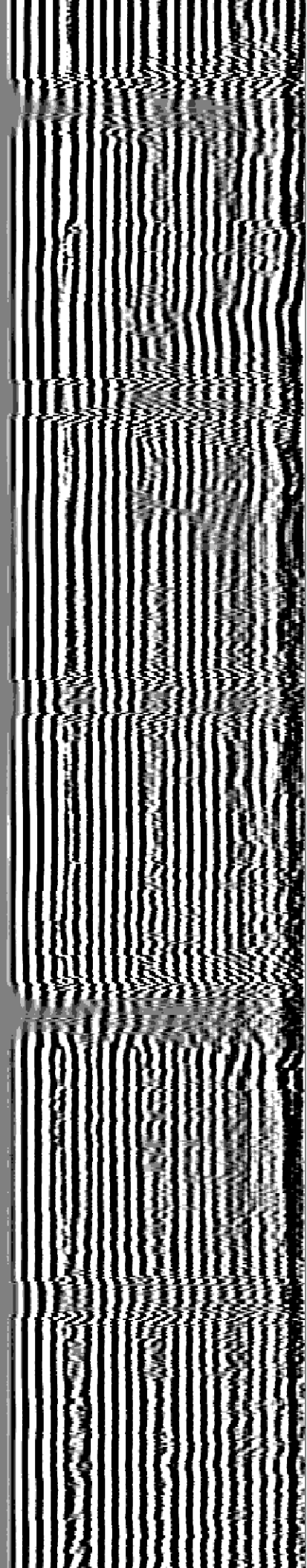
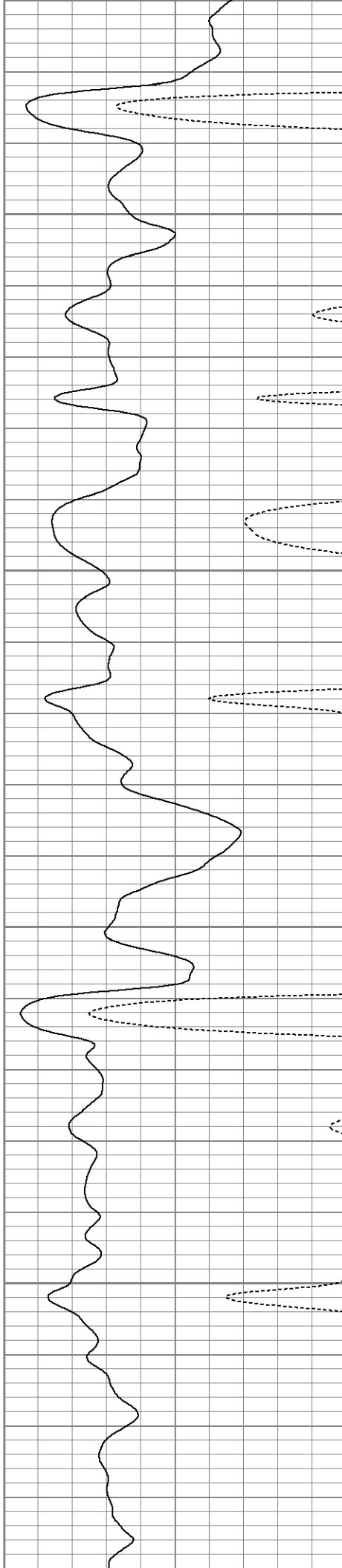


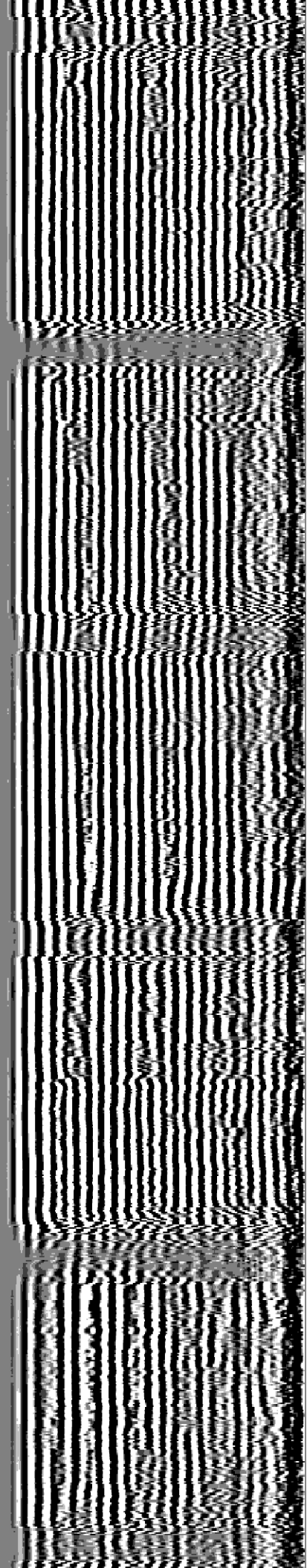
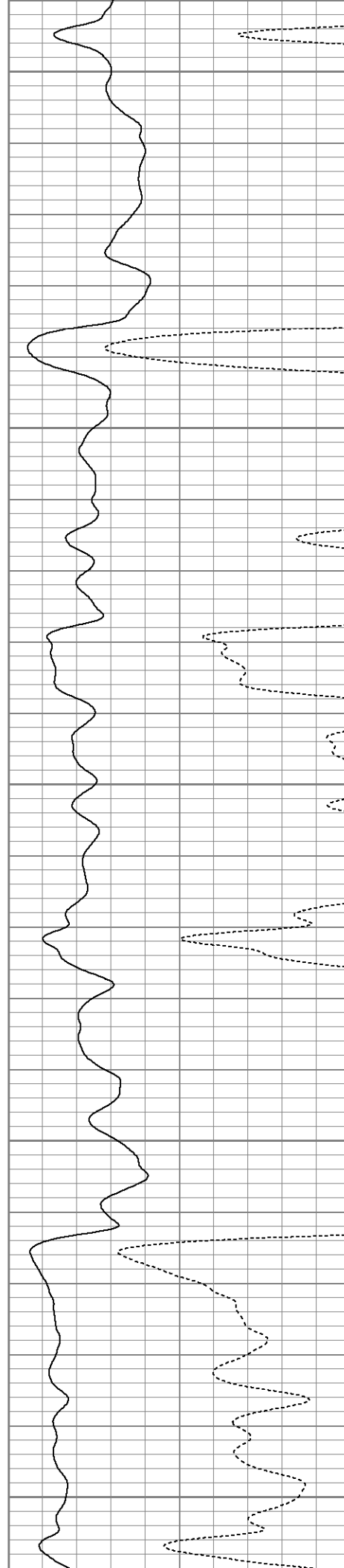
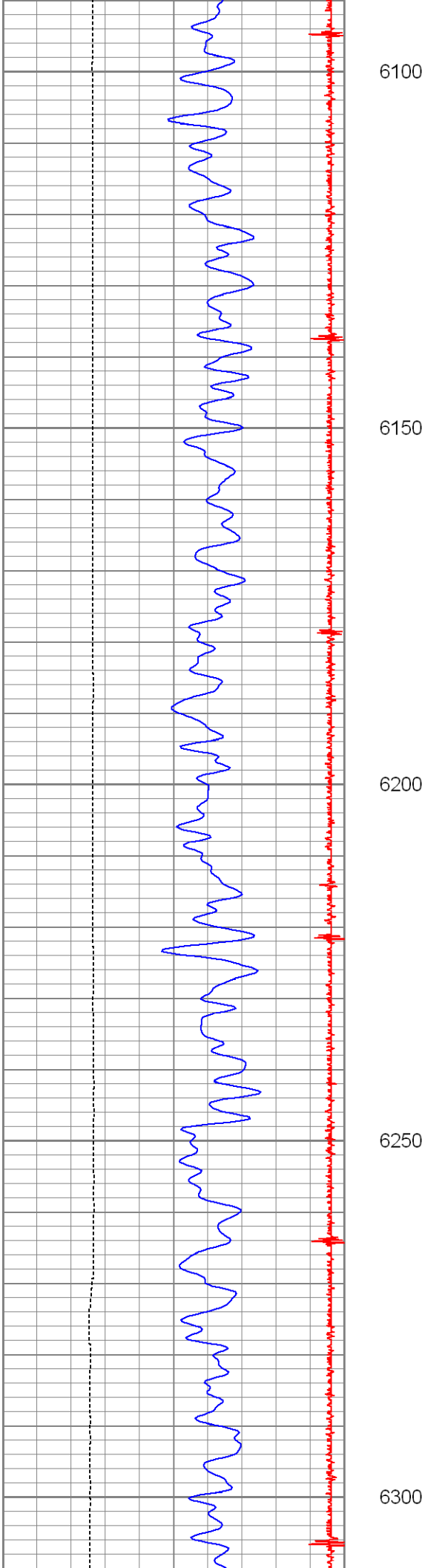
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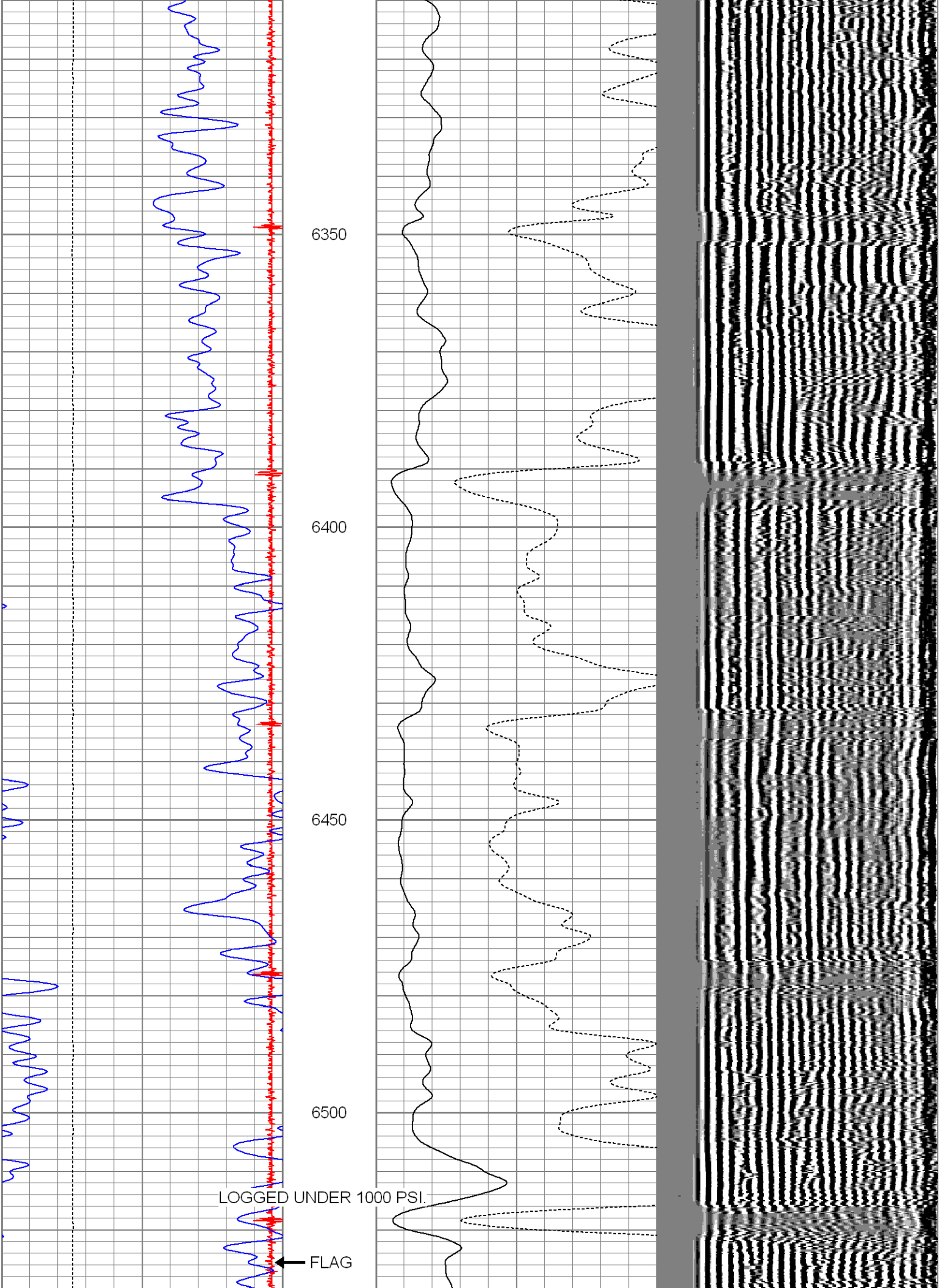
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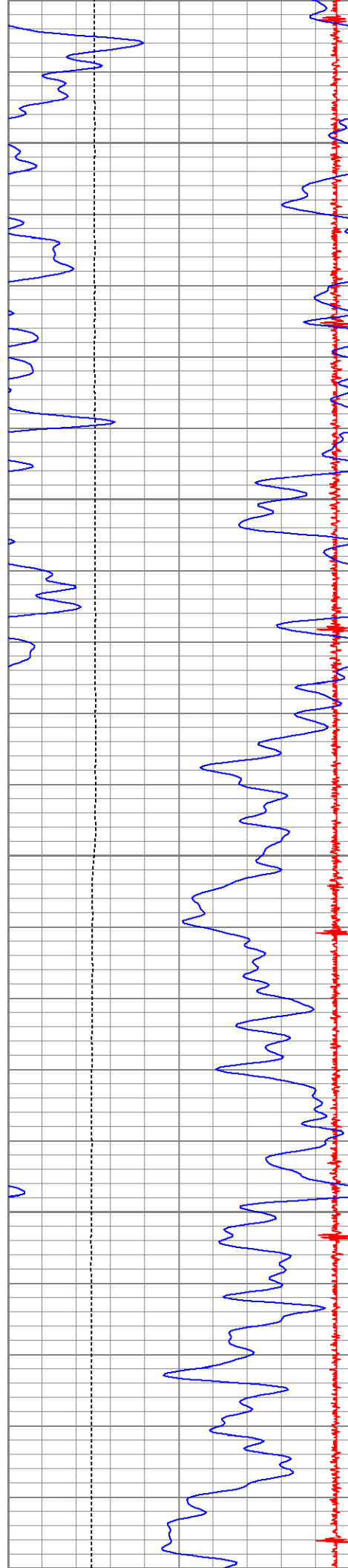
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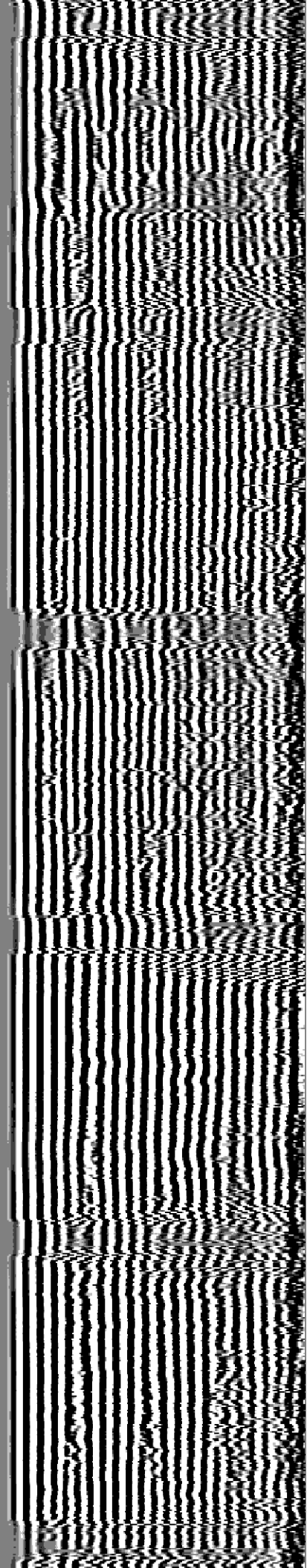
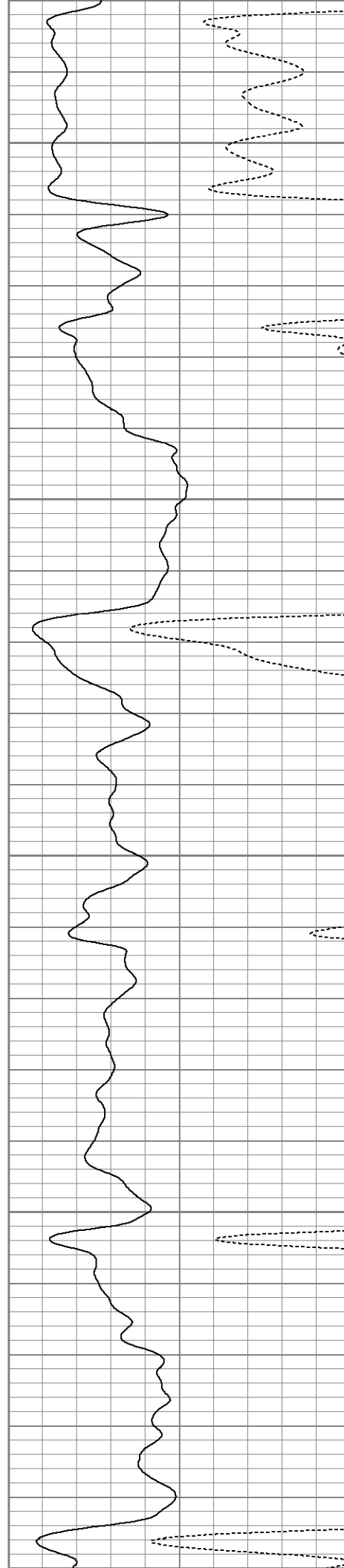
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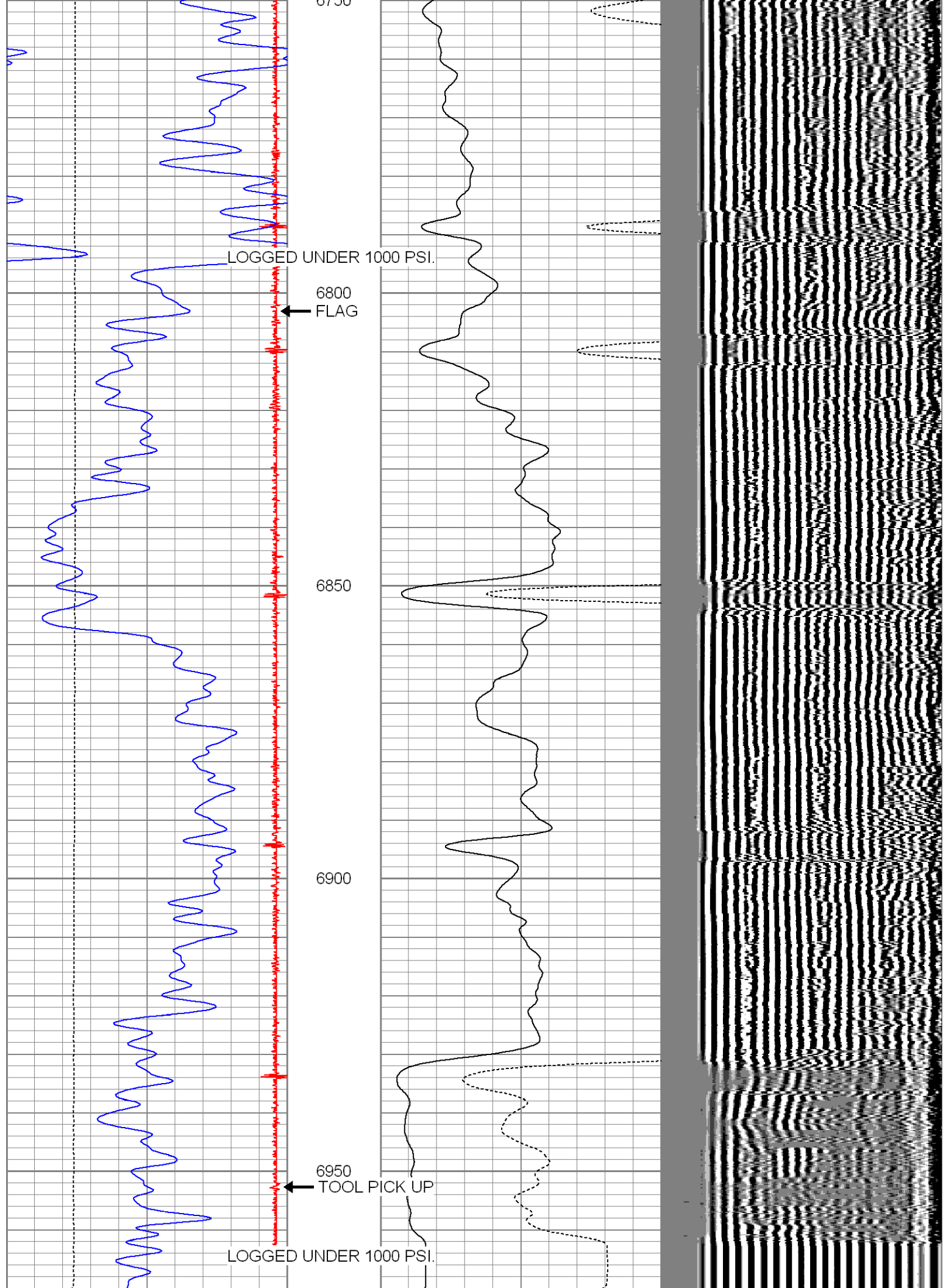
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6650

6700

6750





LOGGERS T.D. @ 6973

0	LSPD (ft/min)	-300
8	CCL	-0.3
0	Gamma Ray (GAPI)	200

0	Amplified Amplitude (mV)	20
0	Amplitude (mV)	100

200 V D L 1200

Calibration Report

Database File: gutd3-271kpsilog.db

Dataset Pathname: pass6

Dataset Creation: Wed Aug 12 08:49:48 2009 by Log Open-Cased 071220

Gamma Ray Calibration Report

Serial Number: tit/temp
 Tool Model: temp/tit
 Performed: Wed Jun 10 07:38:51 2009

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.9000 GAPI/cps

Cement Bond Log Calibration Report

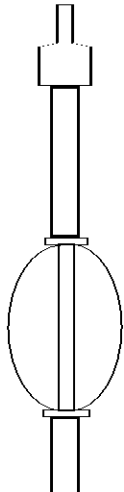
Serial Number: TEKCO-01
 Tool Model: TEKCO-1x2
 Performed: Wed Aug 12 07:47:44 2009

Depth: 262.902 ft
 Casing Diameter: 4.5 in

3' Spacing 5' Spacing

Signal Zero: 1.1 1.1 mV
 Calibrated Amplitude: 81.1961 81.1961 mV
 Reading at Signal Zero: -0.00427246 -0.00224609 V
 Reading in Free Pipe: 2.5 2.5 V

Gain: 31.9838 32.0097
 Offset: 1.23665 1.1719

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.05		CHD-STNDRD (1) Standard Cable Head	1.00	1.69	5.00
			CCL-T1-11/16 (1-11/16T) Titan 1-11/16 collar locator	1.83	1.69	20.00
			CENT-App2nd (1-11/16T) Another 1-11/16 Applied centralizer	2.17	1.69	10.00

Tool Joint	Length (ft)	Weight (lb)	O.D. (in)	Notes
WVF3	12.48	9.68	1.69	40.00
WVF5	11.50	2.17	1.69	10.00
GR	2.63	5.96	1.69	20.00
Dataset: gutd3-271kpsilog.db: field/well/run1/pass6 Total Length: 22.80 ft Total Weight: 105.00 lb O.D.: 1.69 in				