

SONIC CEMENT BOND
GAMMA RAY
CCL

Company		ANADARKO PETROLEUM CORPORATION	
Well		PK FARMS 1	
Field		WATTENBERG	
County		WELD	
State		CO	
Location:		APL # : 05-123-07810	
SHL: 990' FSL & 2058' FWL SE/SW		Other Services	
LAT: 40.06150 & LONG: -104.67120			
SEC 9 TWP 1N RGE 65W			
Permanent Datum		GL	Elevation
Log Measured From		KB 10'	4926'
Drilling Measured From		KB	Elevation
			KB. 4936'
			D.F. 4935'
			G.L. 4926'
Date	11-17-2015		
Run Number	ONE		
Depth Driller	7885		
Depth Logger	7760'		
Bottom Logged Interval	7748'		
Top Log Interval	SURFACE		
Open Hole Size	4.276"		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	N/A		
Estimated Cement Top	5575'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	4310		
Location	GREELEY		
Recorded By	N. BREHMER		
Witnessed By	J. CHANDLER		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Wgt/Ft	Top
Surface String	8.63	24#	SURFACE
Prot. String			Bottom
Production String	5"	18#	113"
Liner	2.875"	6.5#	SURFACE
			7865'
			7730'

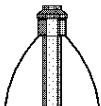
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

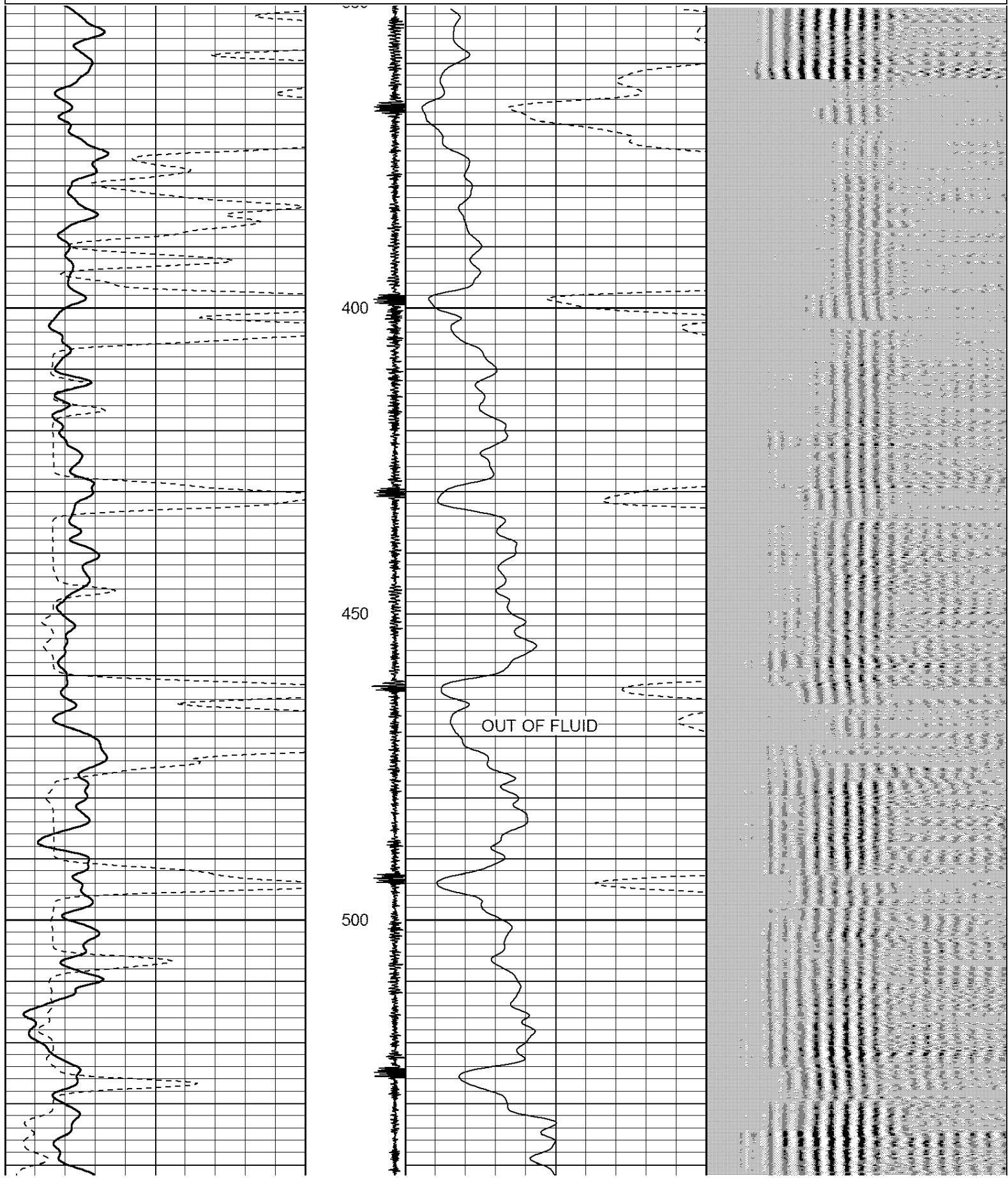
RAN CBL TO SEE WHAT IS BEHIND STUCK PIPE
PUMPED TUBING VOLUME BEFORE GOING IN HOLE
LOG RAN OFF KB DEPTH OF 10'
CALIBRATED FREE PIPE @240' 110mA IN 2.875"
POSSIBLE AIR IN FLUID 1250' TO SURFACE
TUBING OPEN TO JSAND WHILE LOGGING

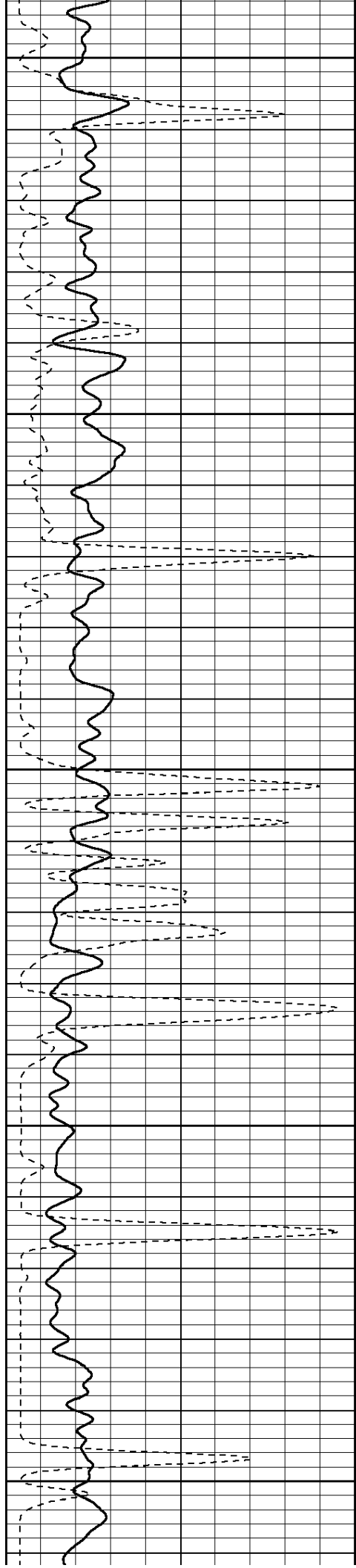
THANK YOU FOR USING WARRIOR !!!!!!!

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
						

			CENT-ComProbe (cmpcent)	2.21	1.69	5.00
CCL	10.17		CCL-CMP35CCL (CMP35A)	2.50	2.12	30.00
GR	8.58		GR-Cmp35GR (CMP35A) Dual Reciever Gamma Ray	5.00	2.13	15.00
WVF3	2.33		CBL-sb2 (20000)	4.00	2.13	40.00
WVF5	0.00					
<div> <div>Dataset:</div> <div>Total Length:</div> <div>Total Weight:</div> <div>O.D.</div> </div> <div> <div>pk farms 1.db: field/well/run1/pass5</div> <div>13.71 ft</div> <div>90.00 lb</div> <div>2.13 in</div> </div>						

0	Gamma Ray (cps)	200	Collar Location	0	Amplified Amplitude (mV)	20	200	VDL	1200
200	TT3 (usec)	1000	9	-1	0	Amplitude (mV)	120		
200	gr (cps)	400							





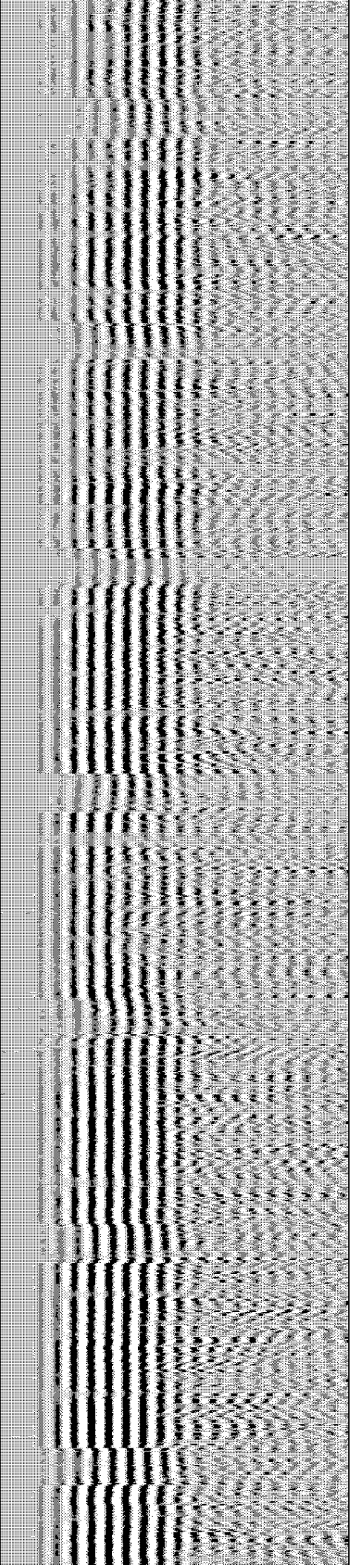
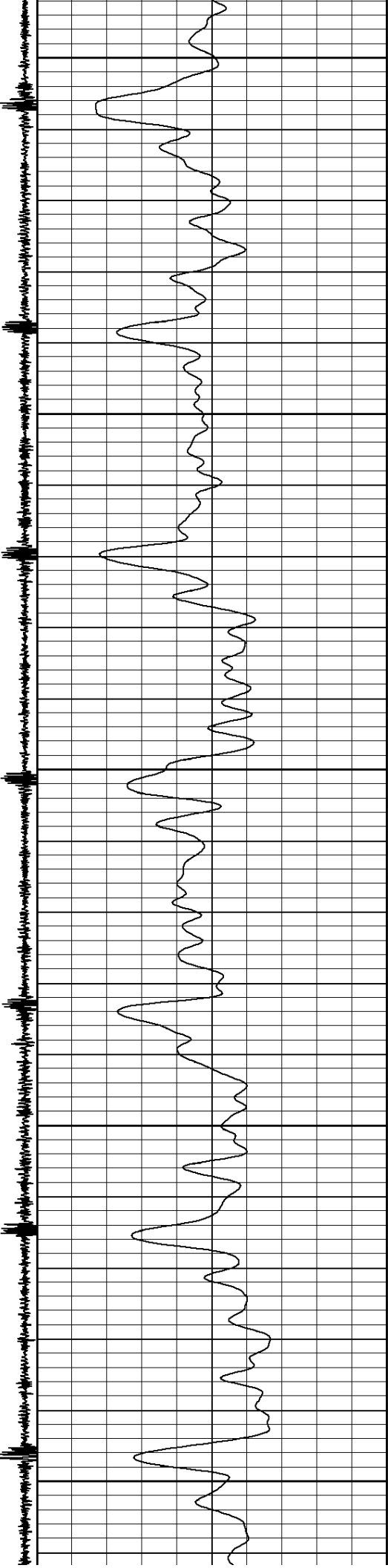
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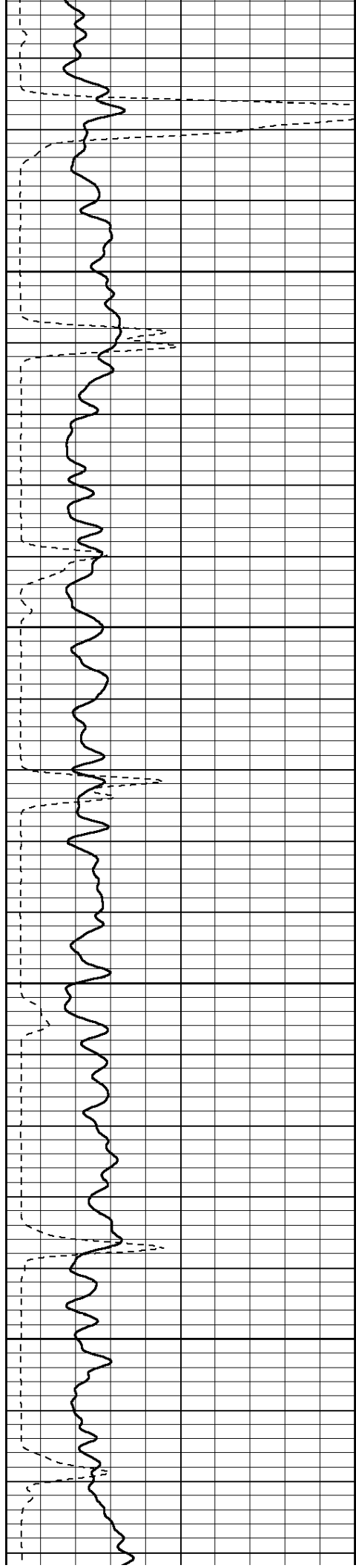
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650

700

750



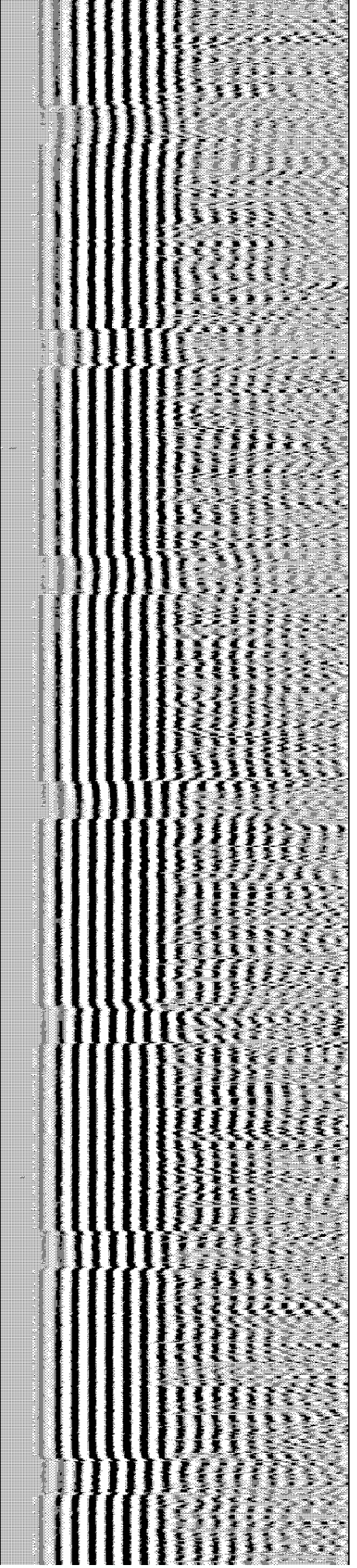
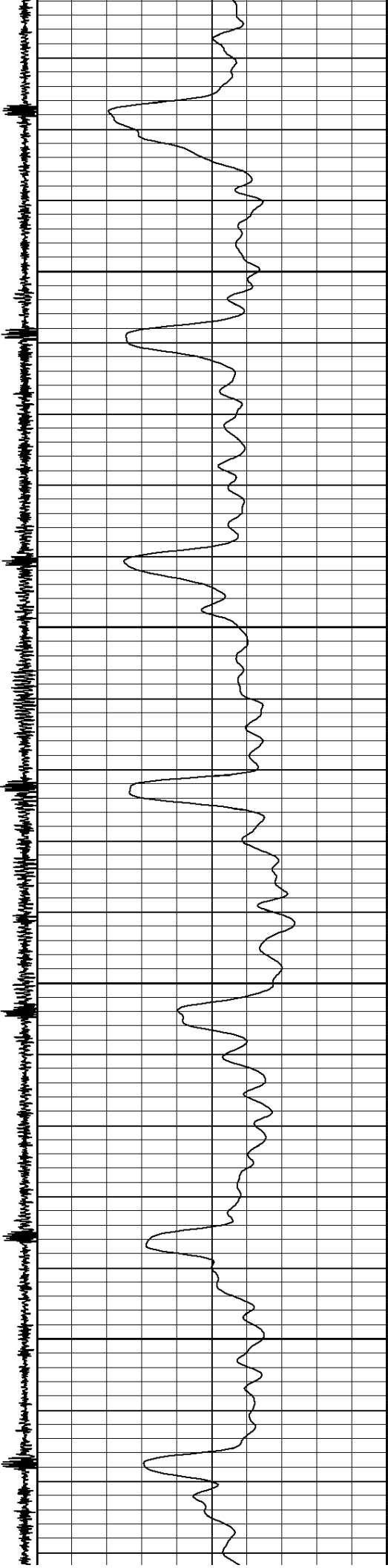


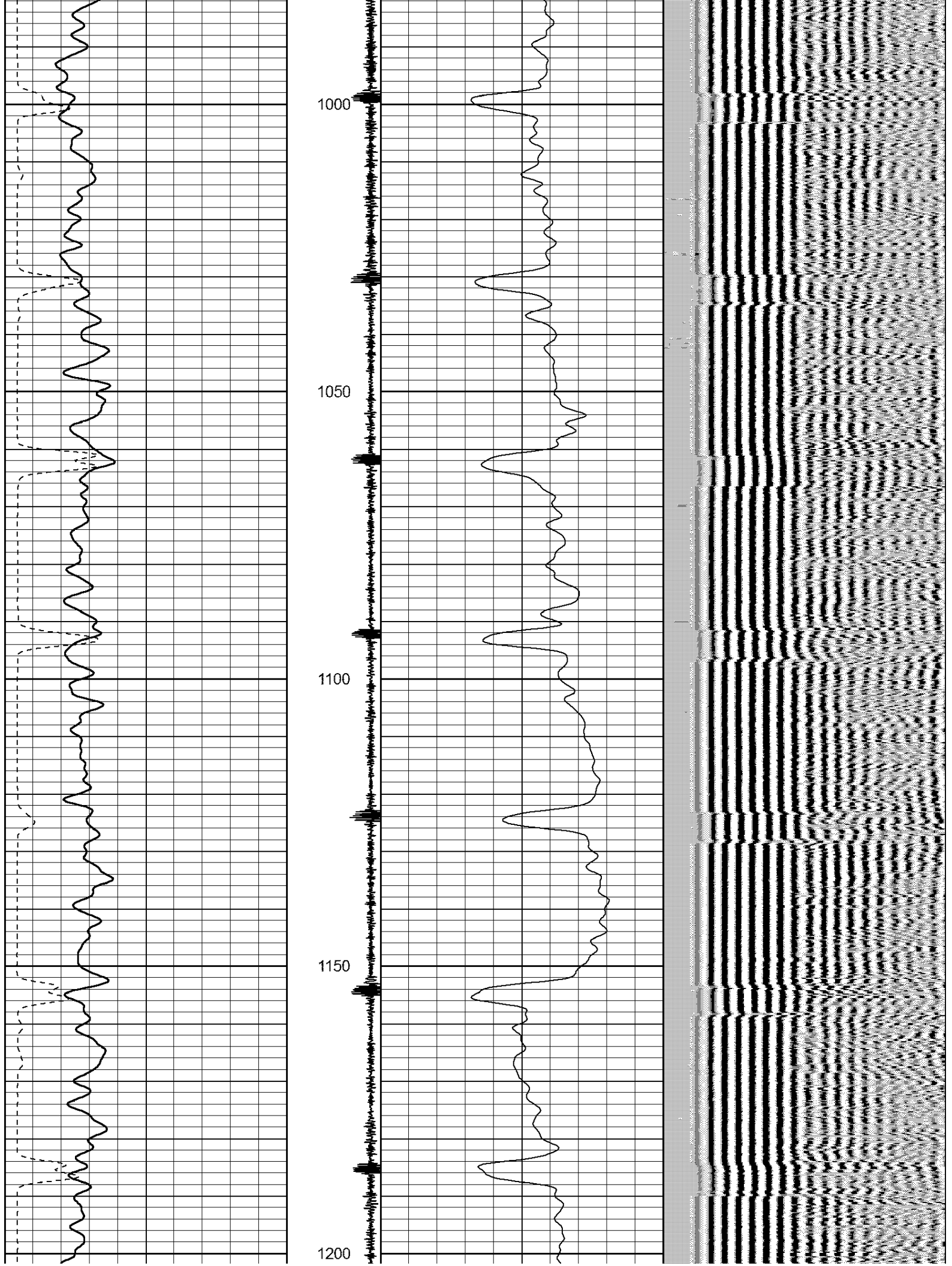
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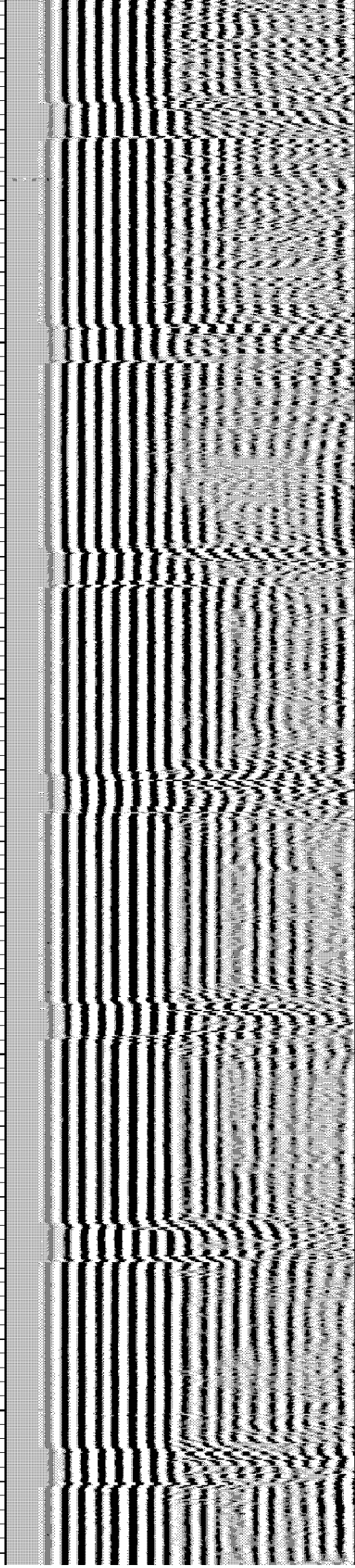
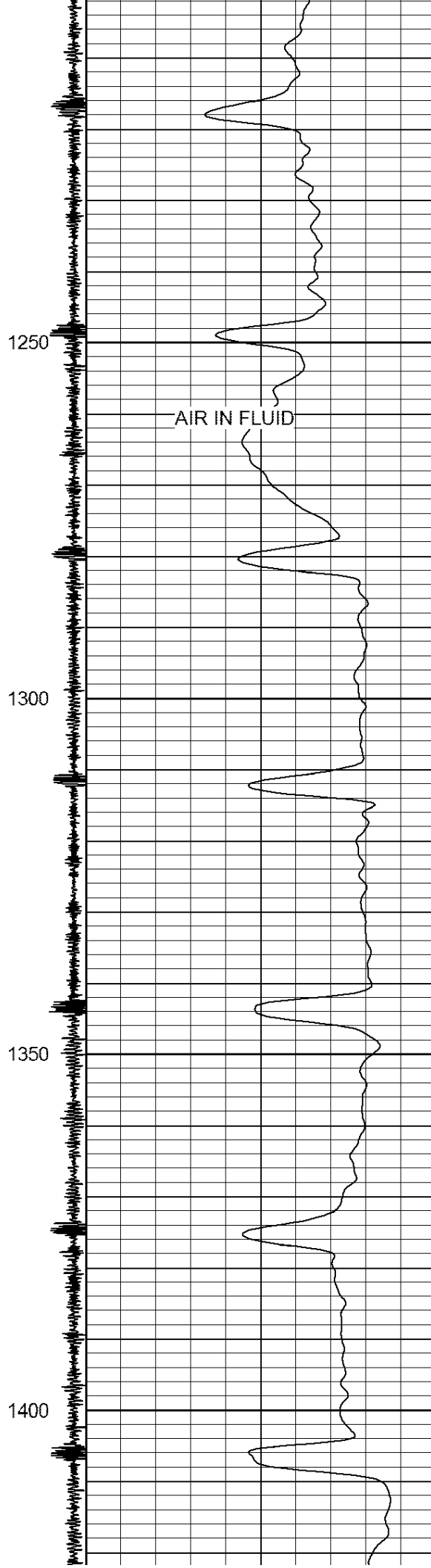
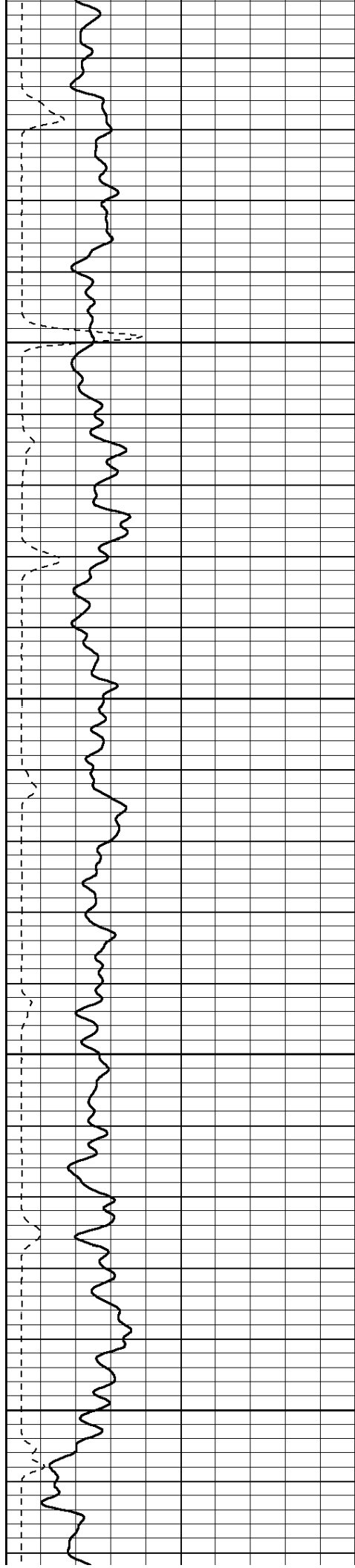
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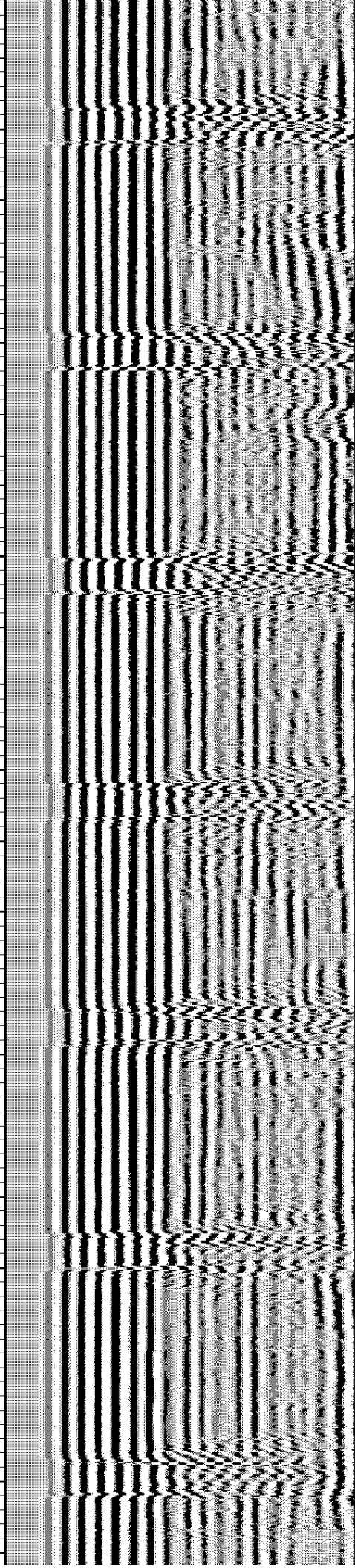
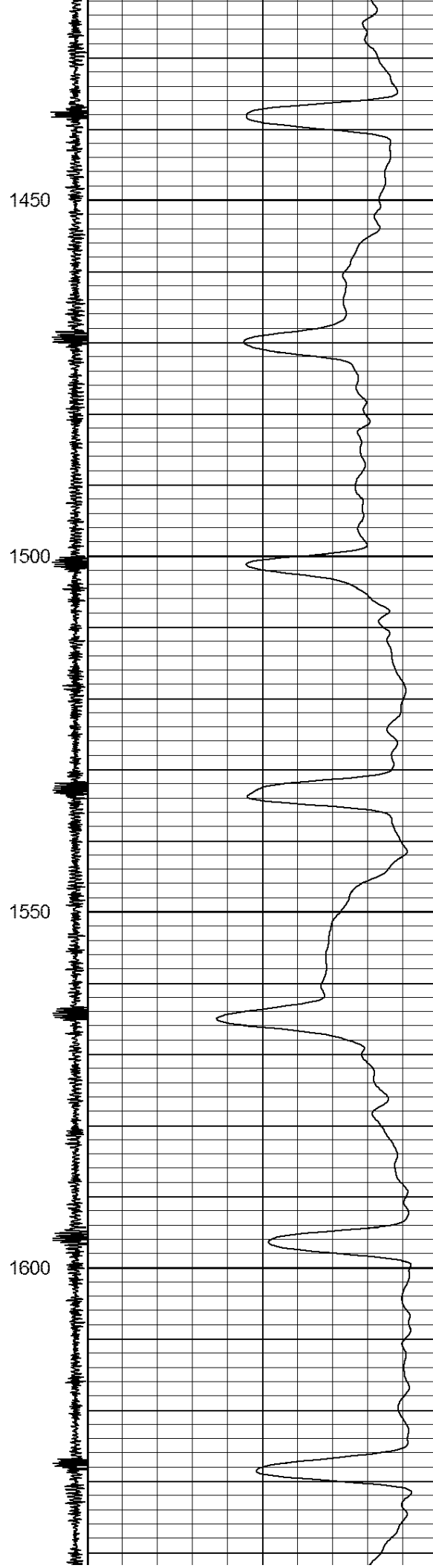
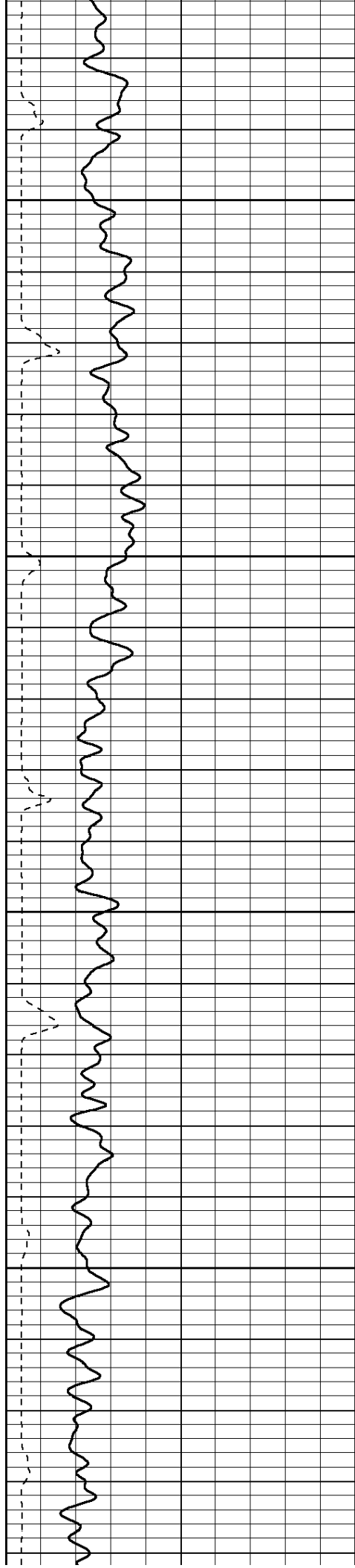
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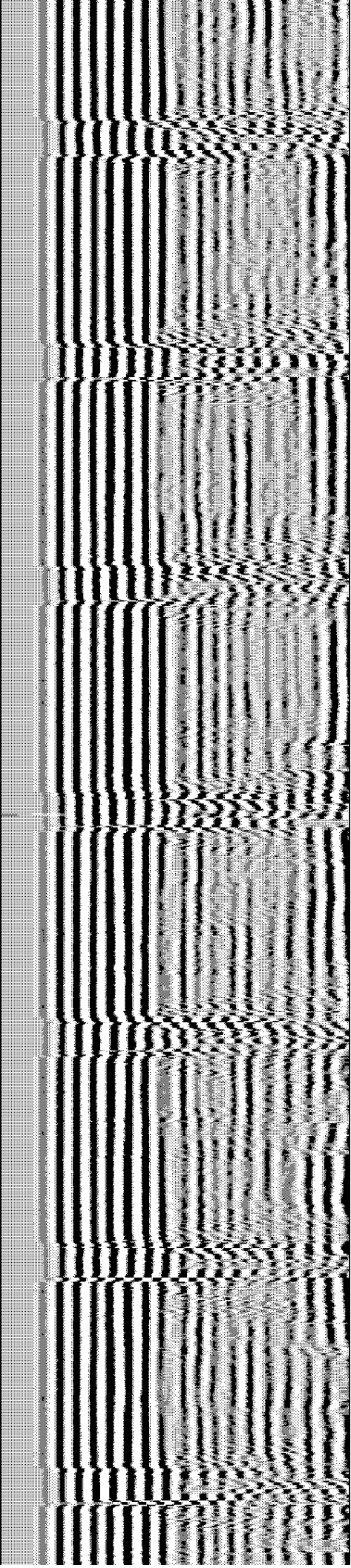
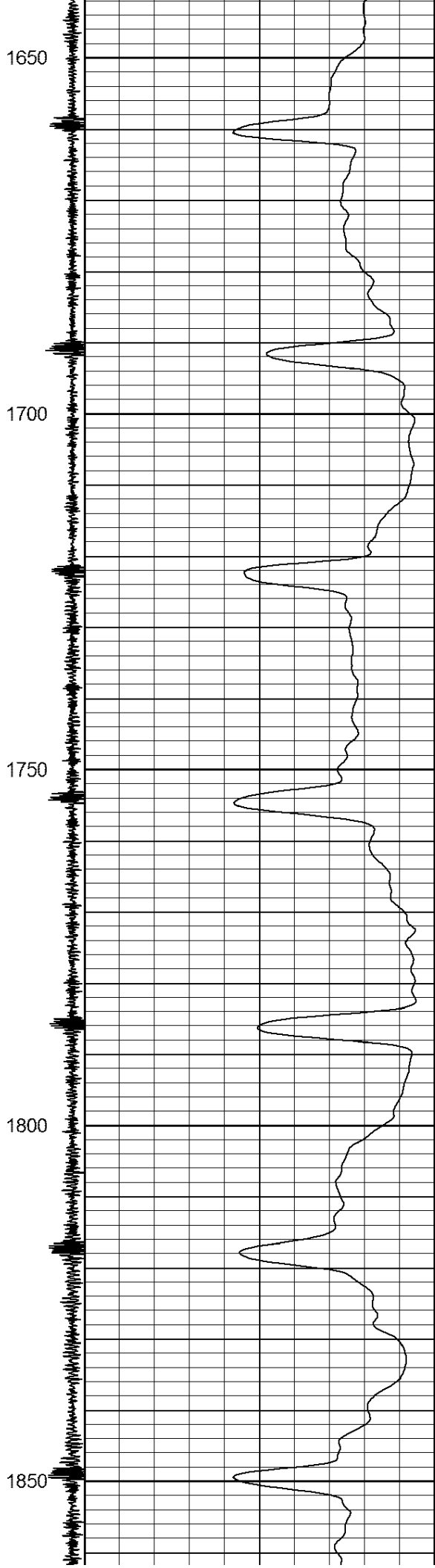
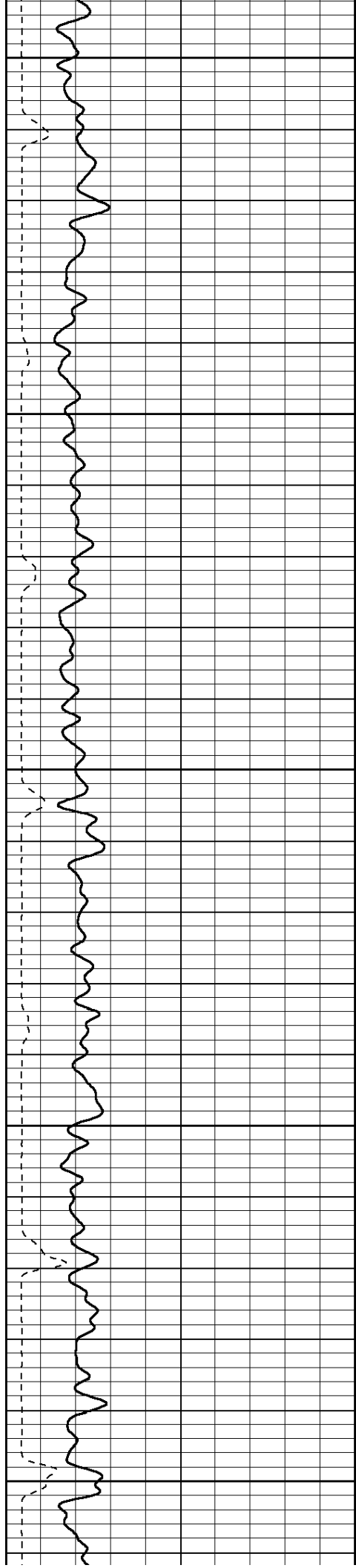
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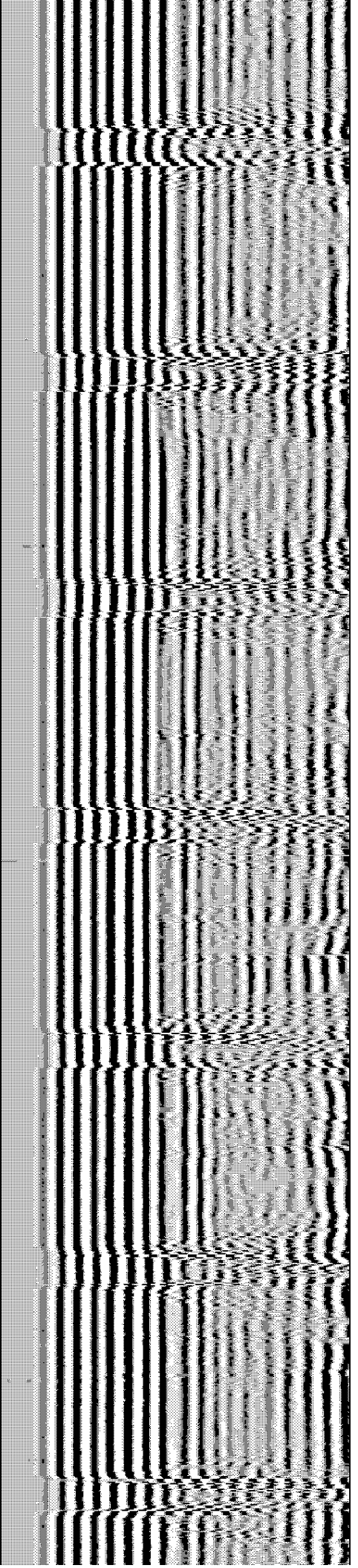
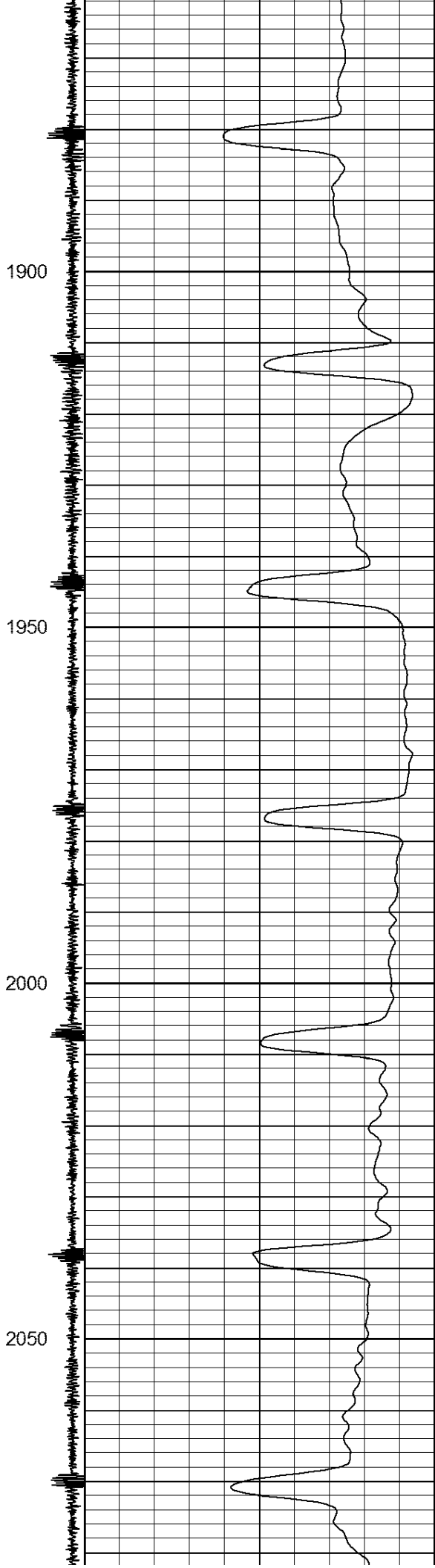
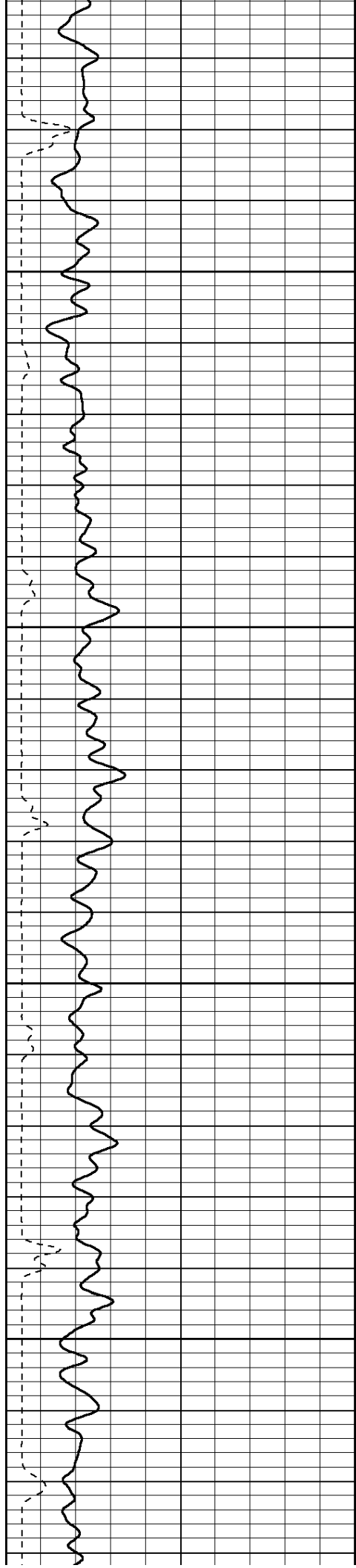


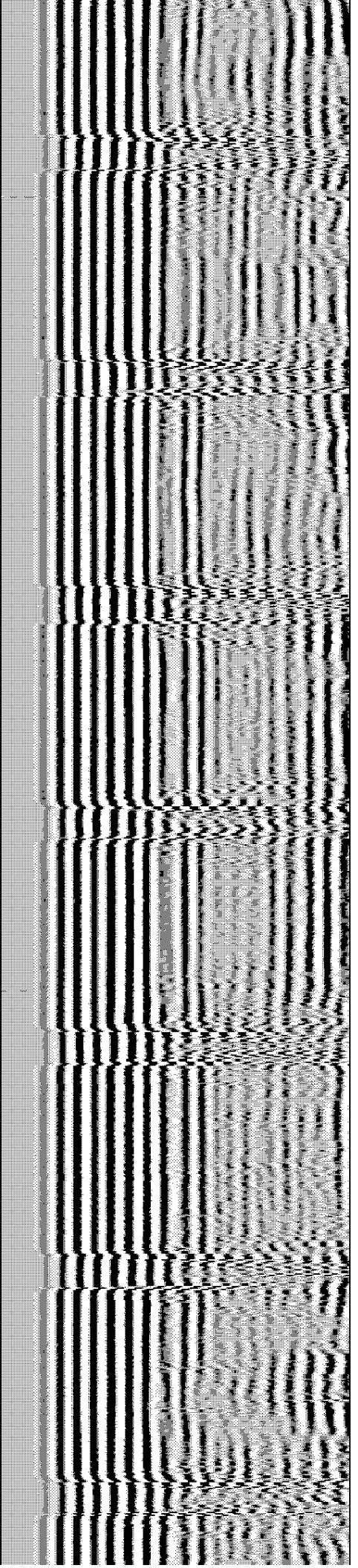
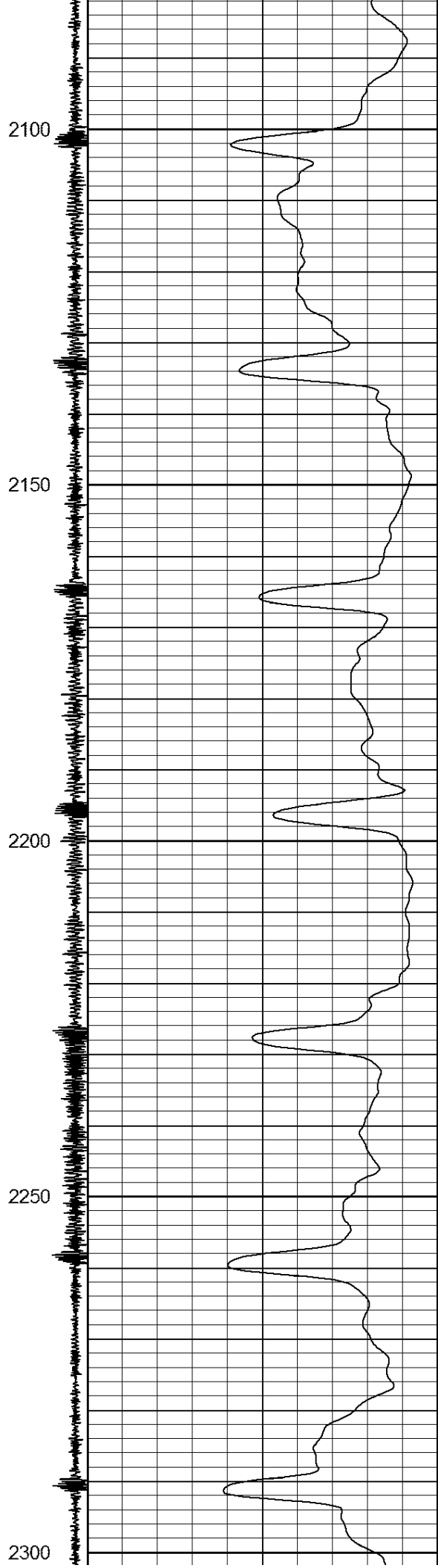
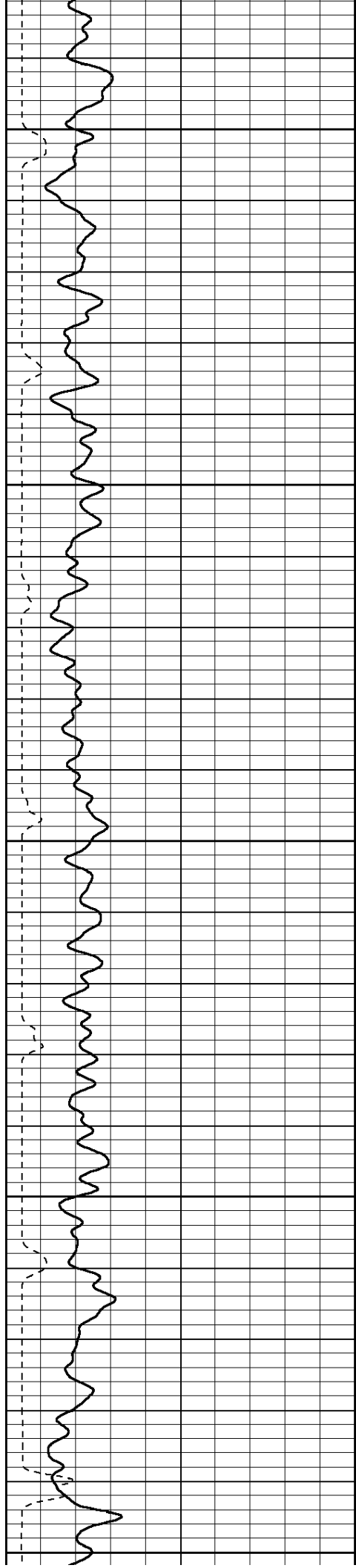


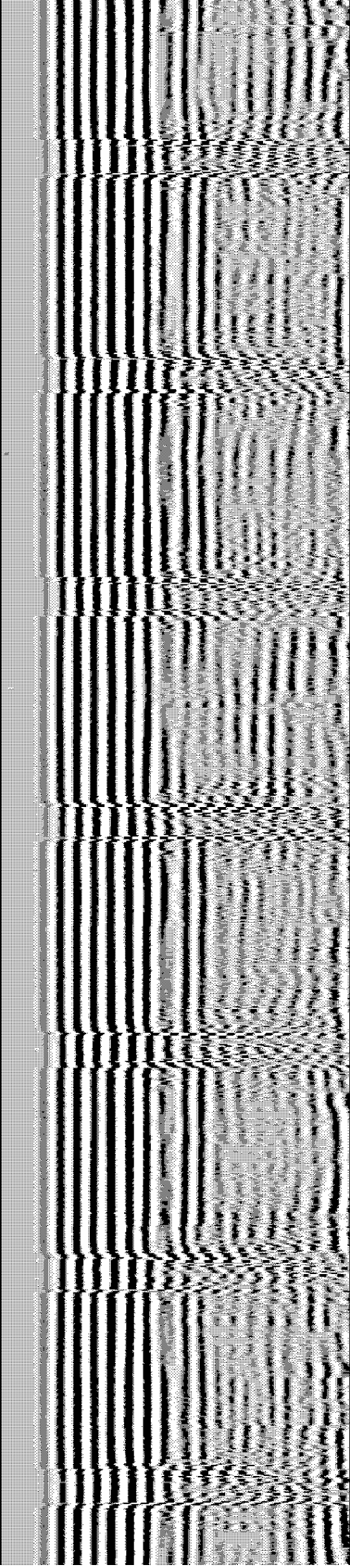
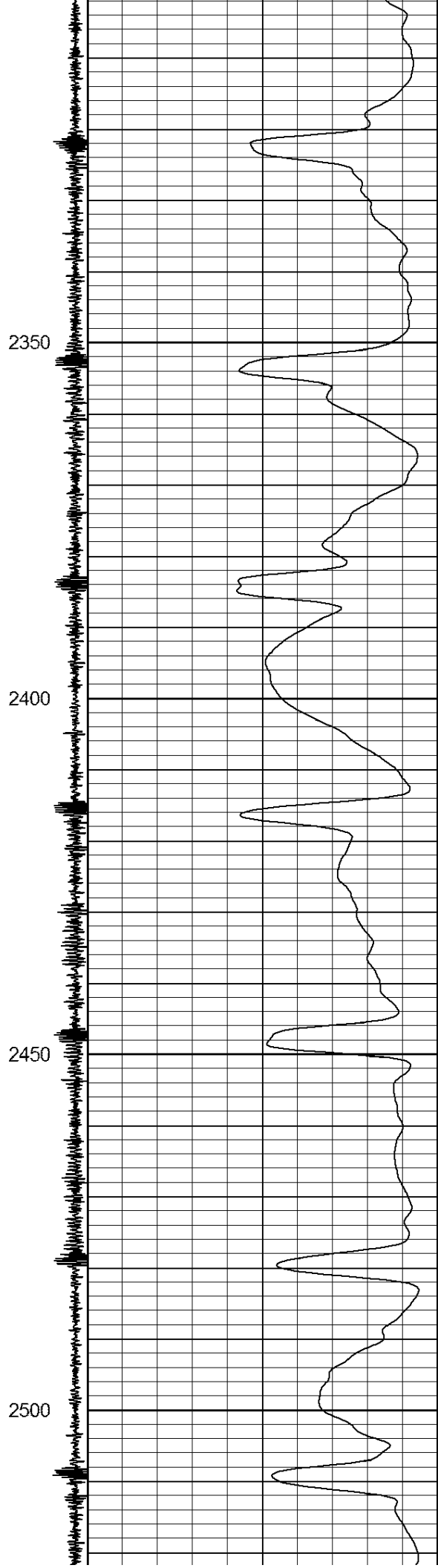
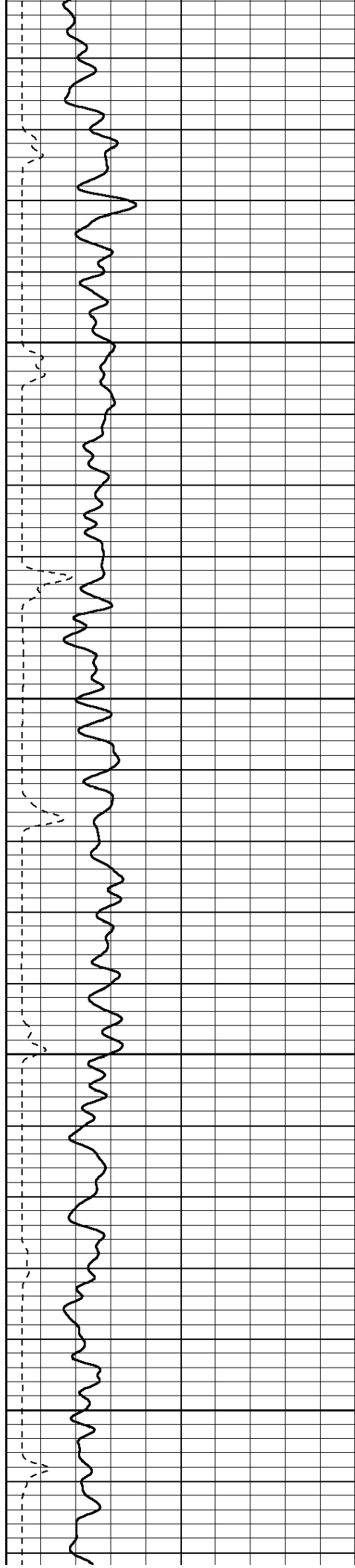


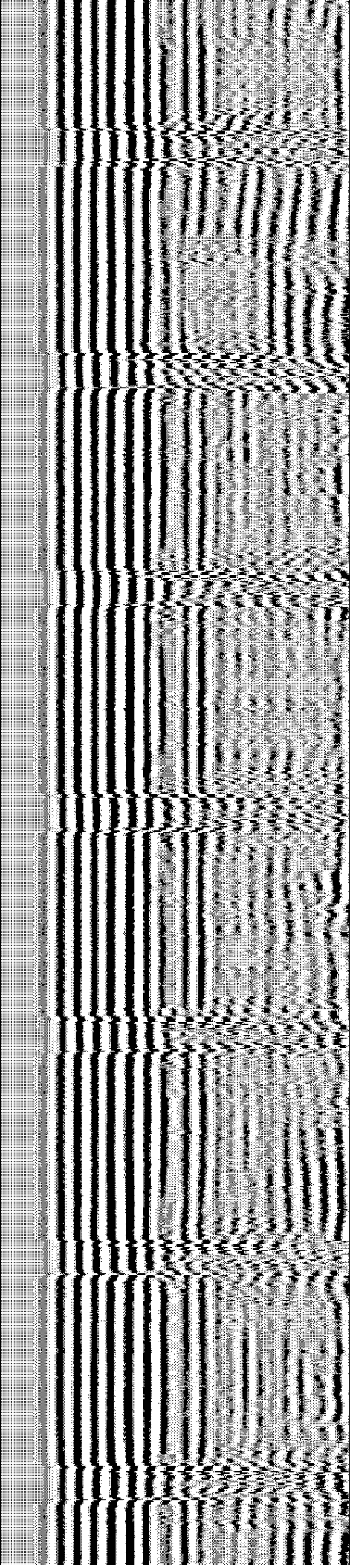
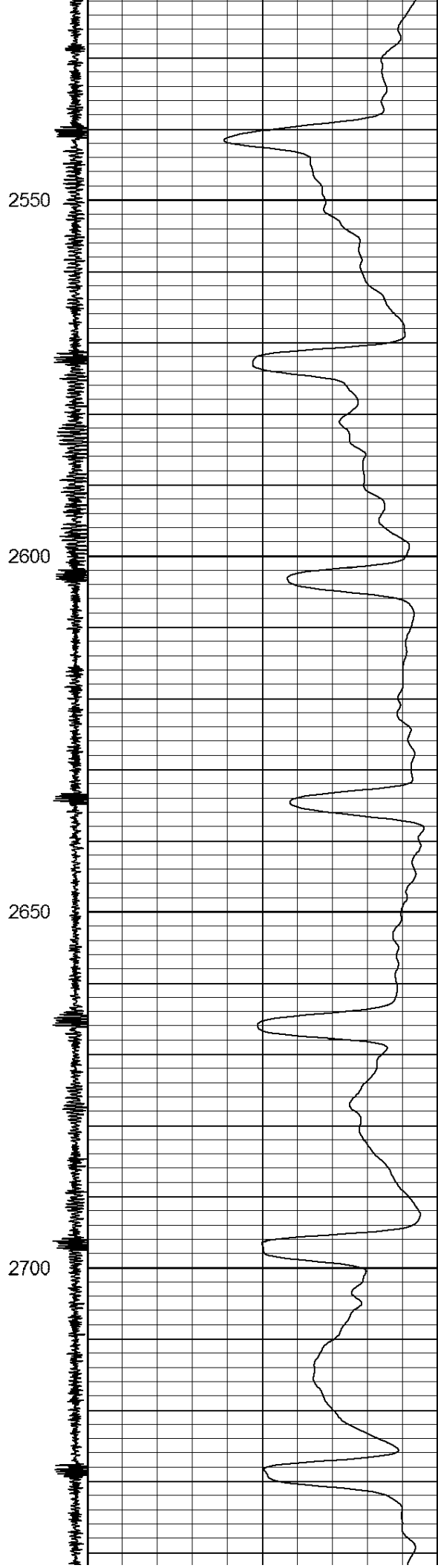
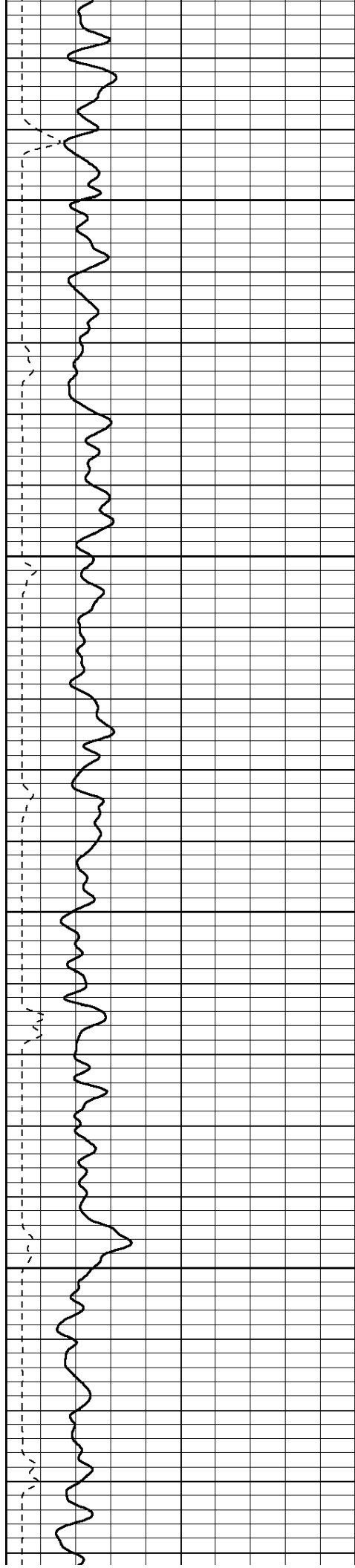


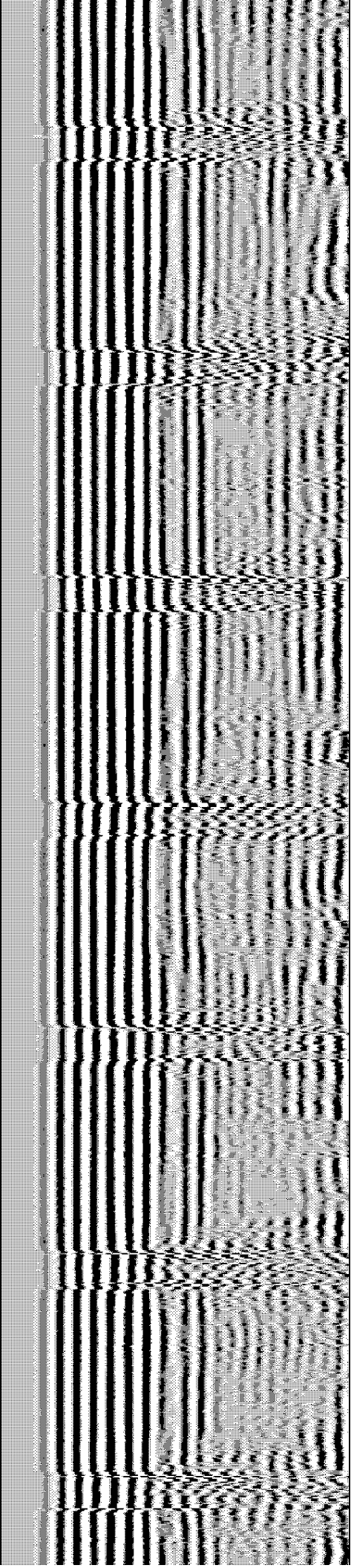
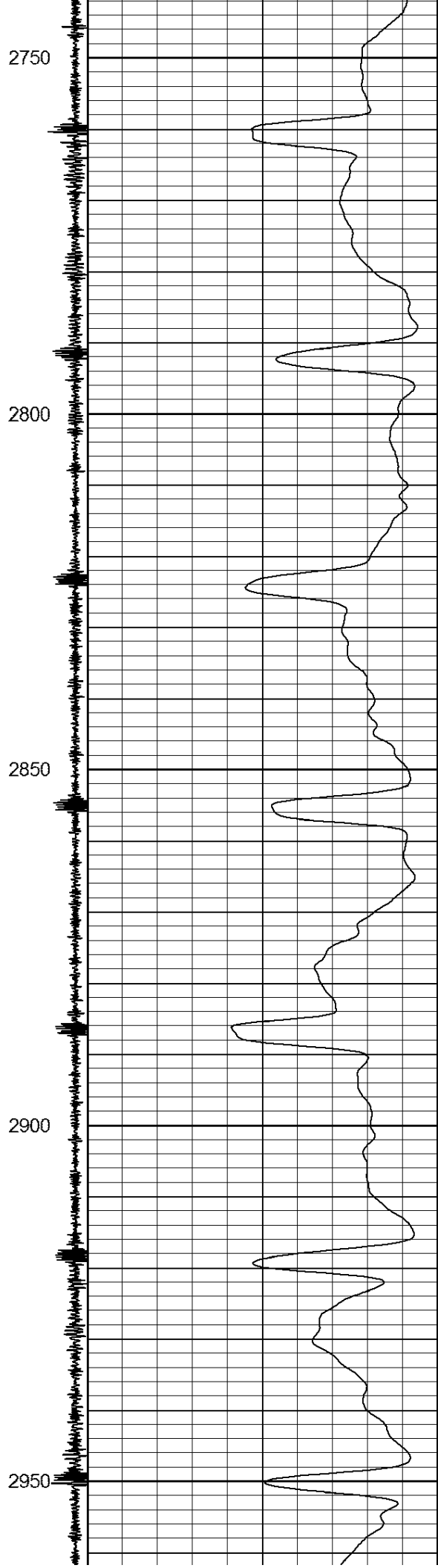
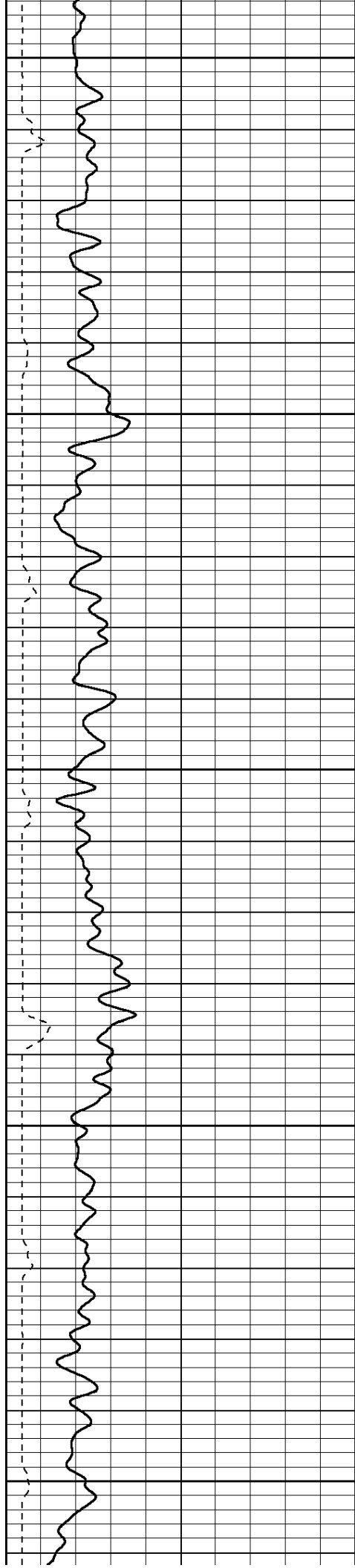


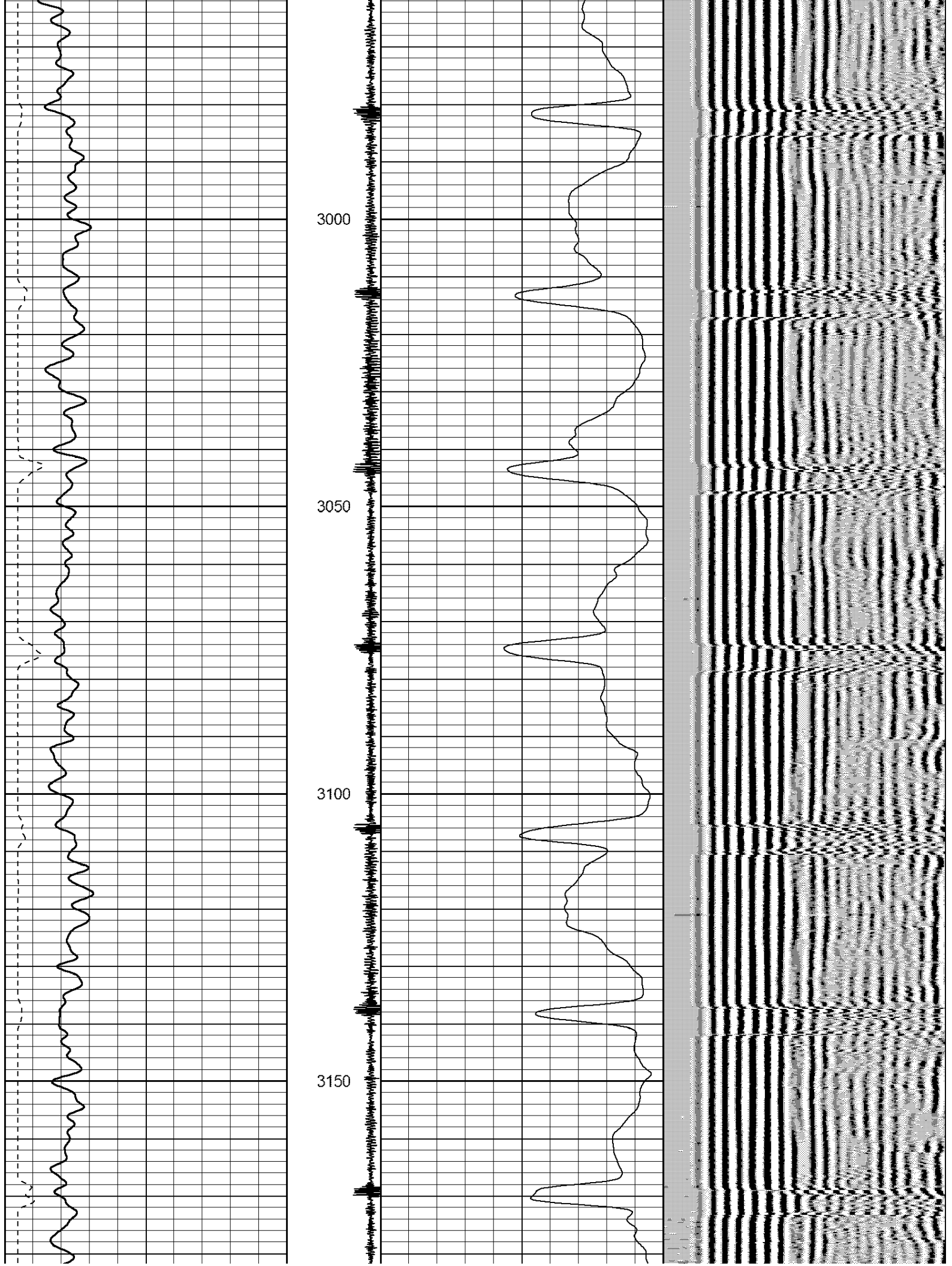


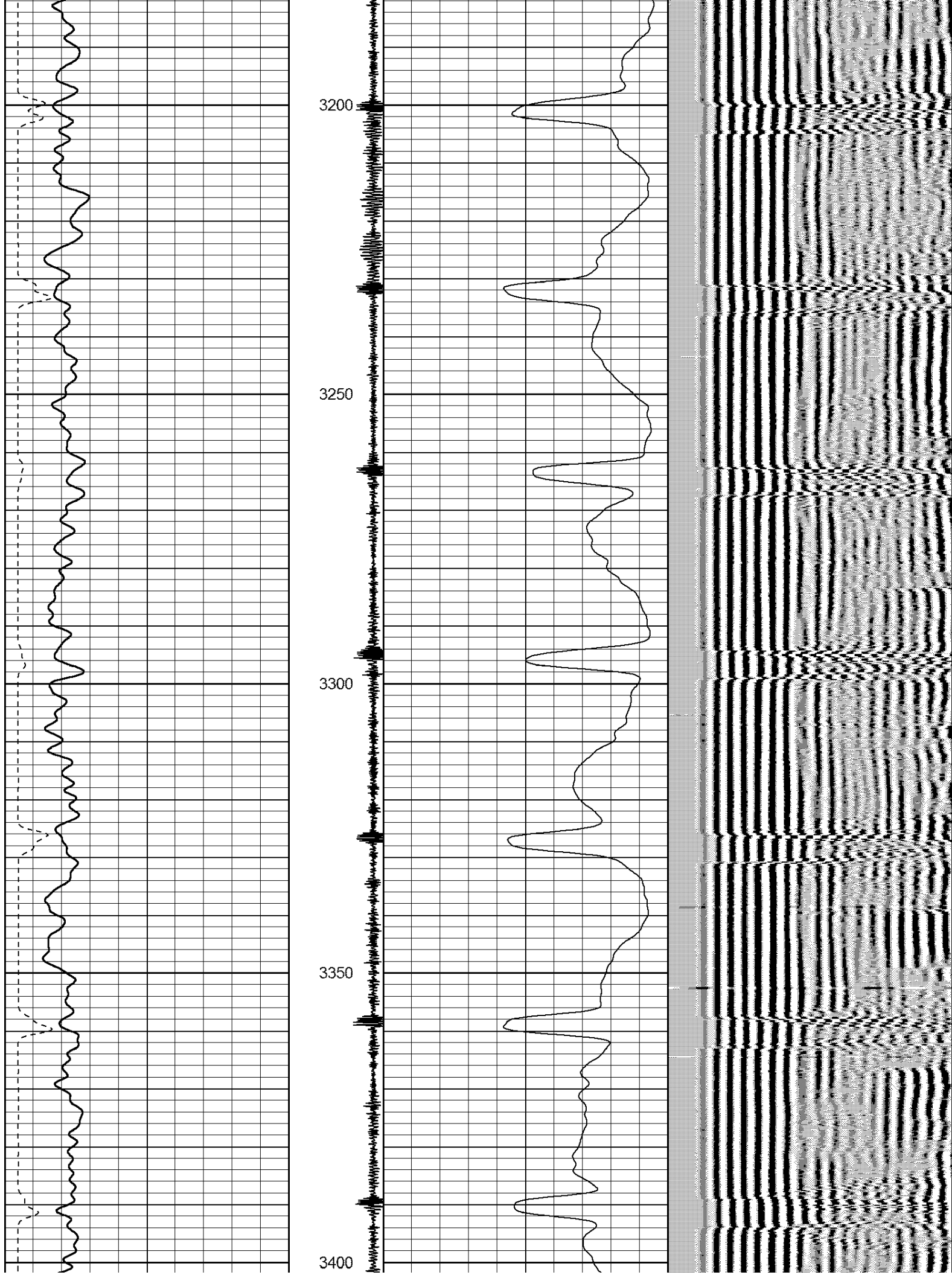


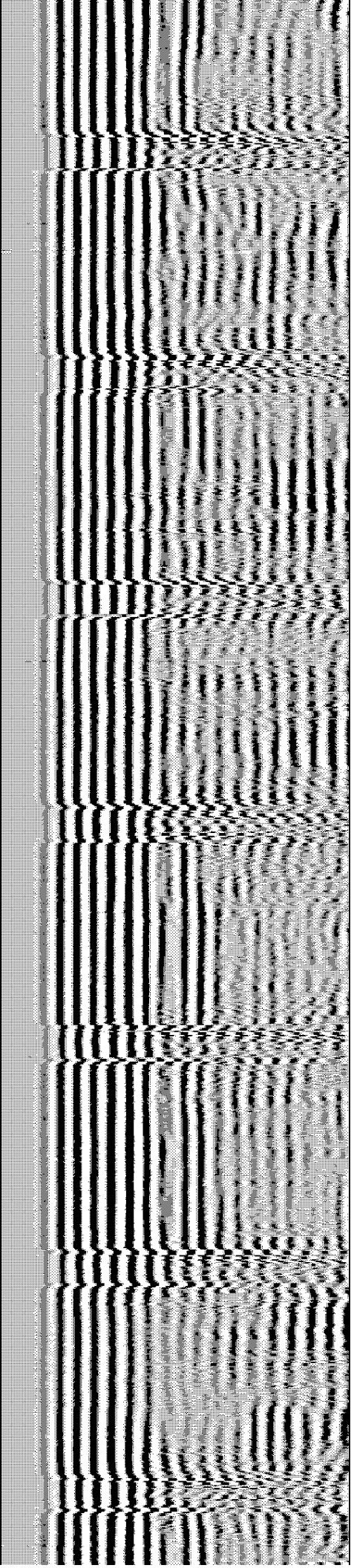
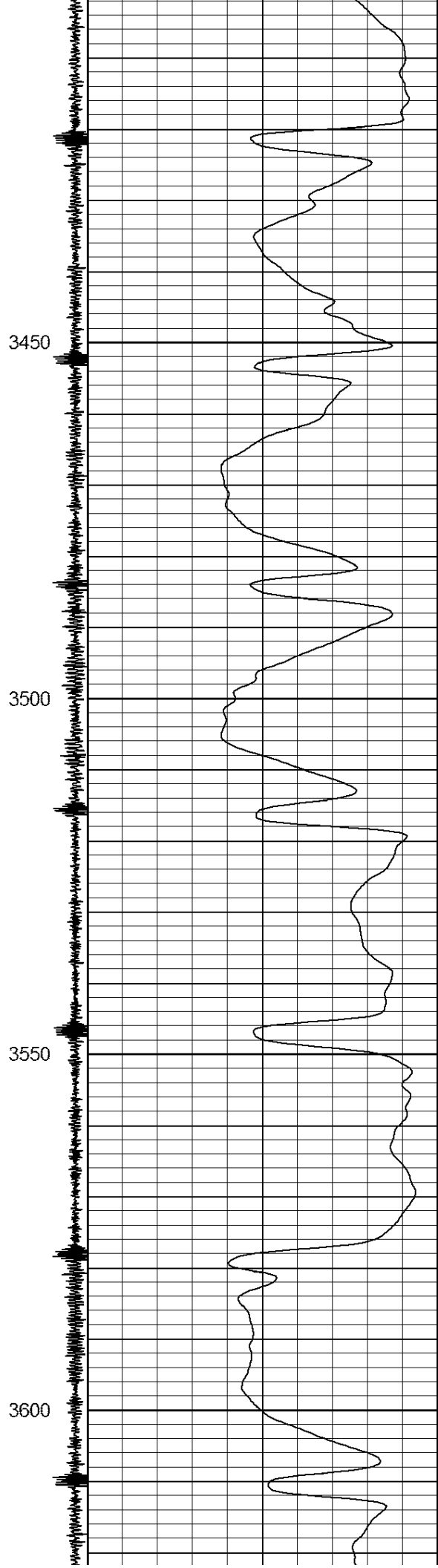
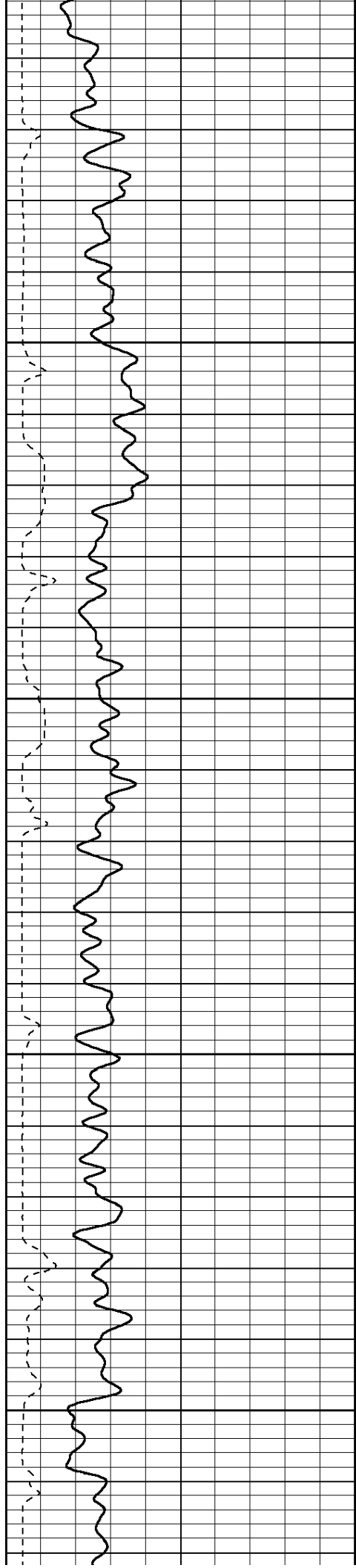


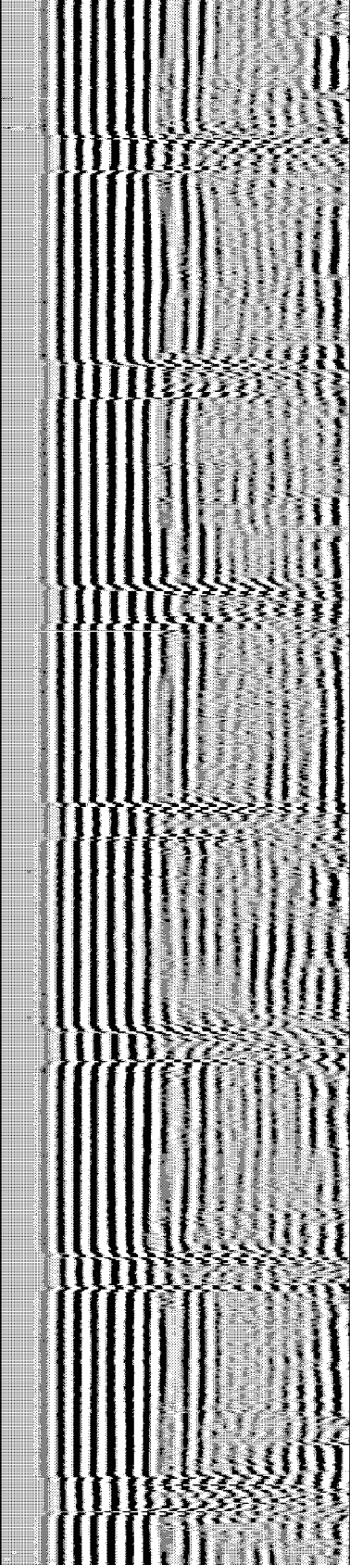
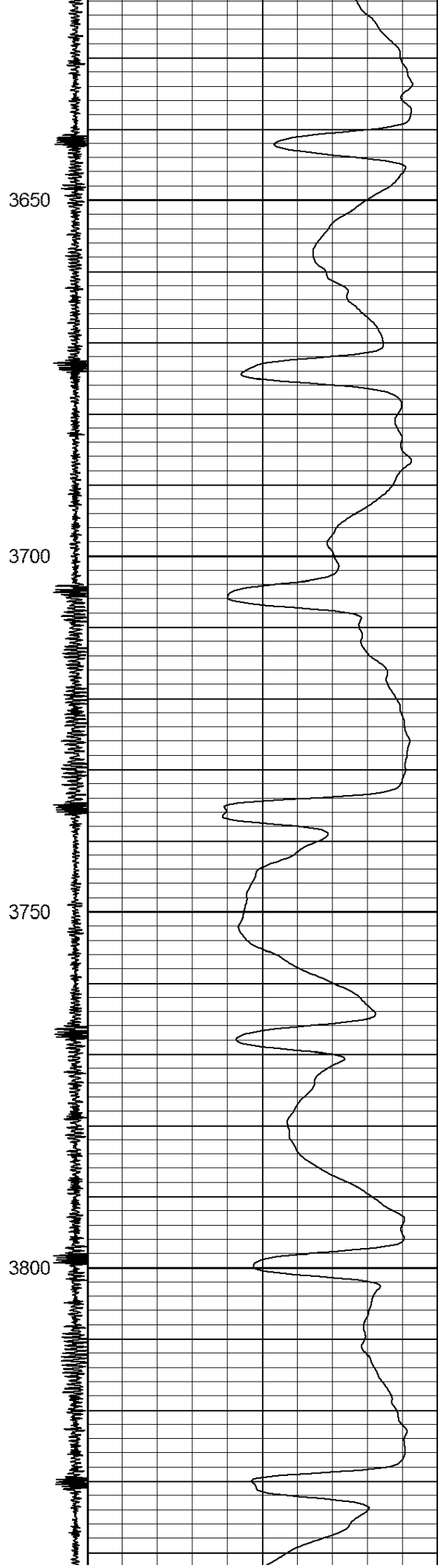
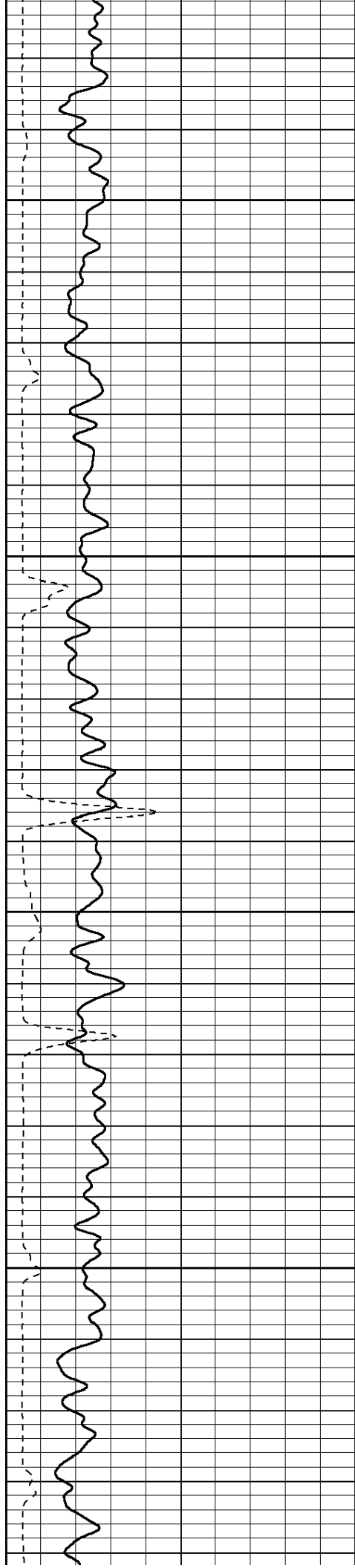


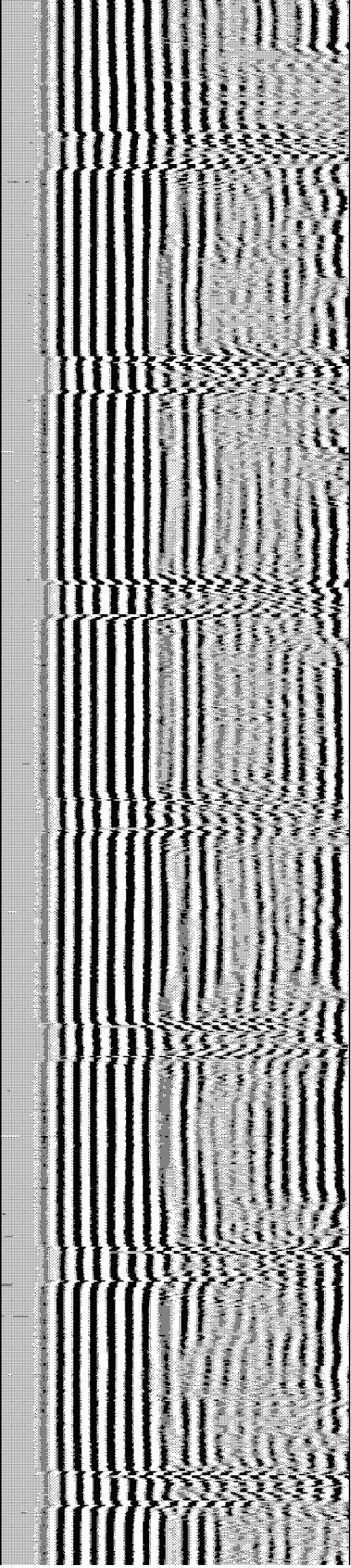
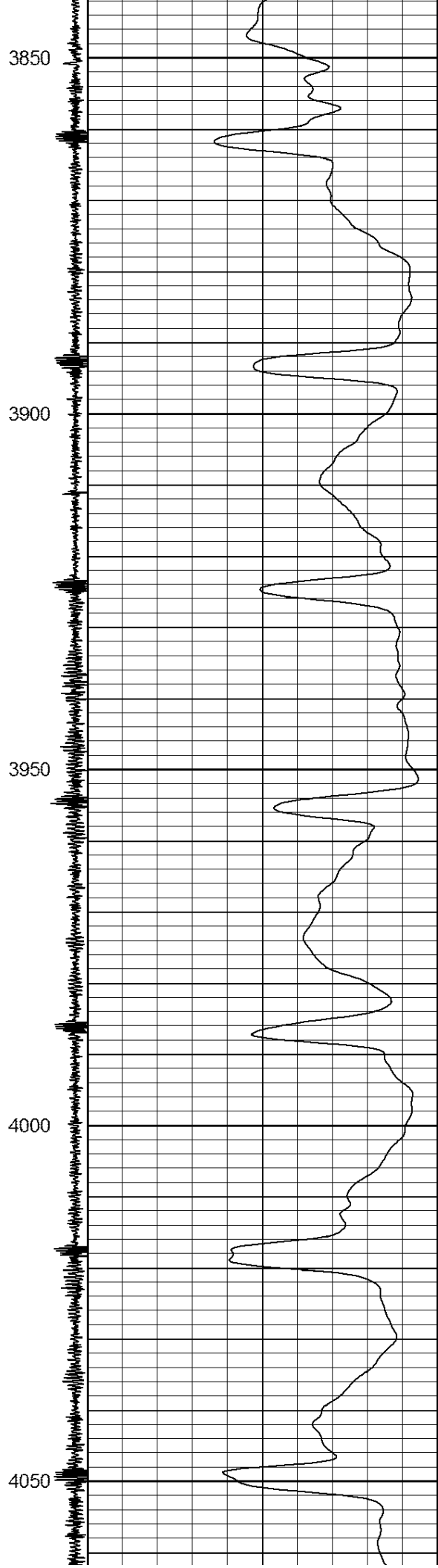
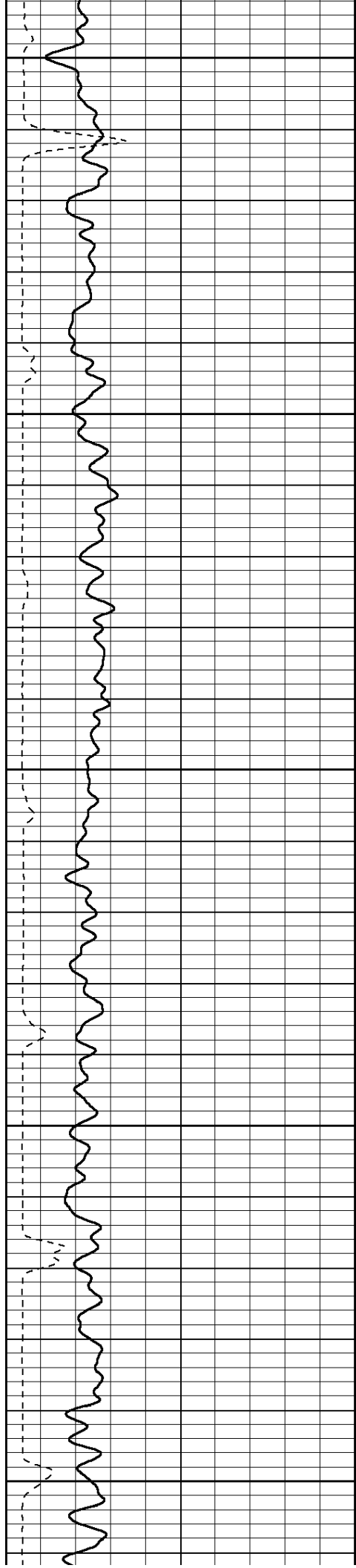


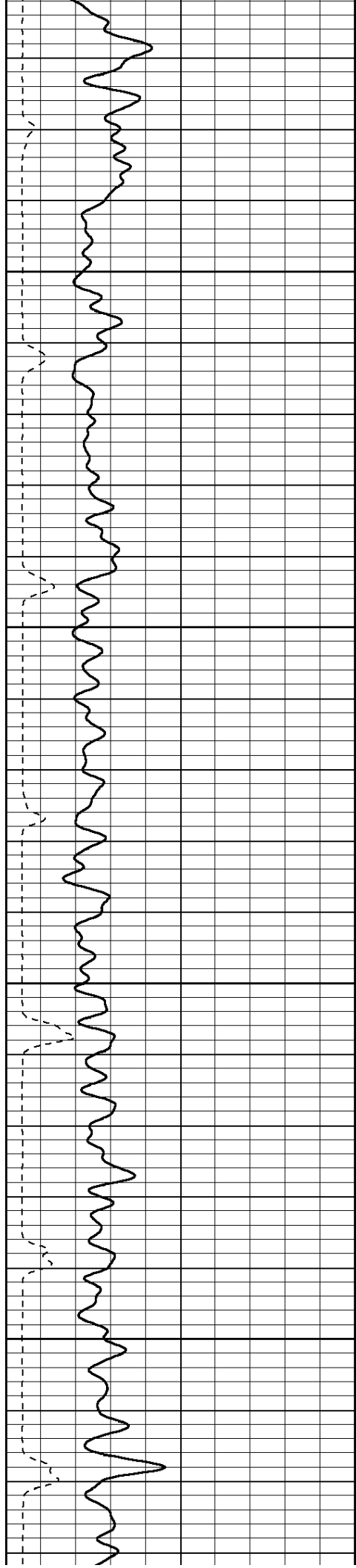










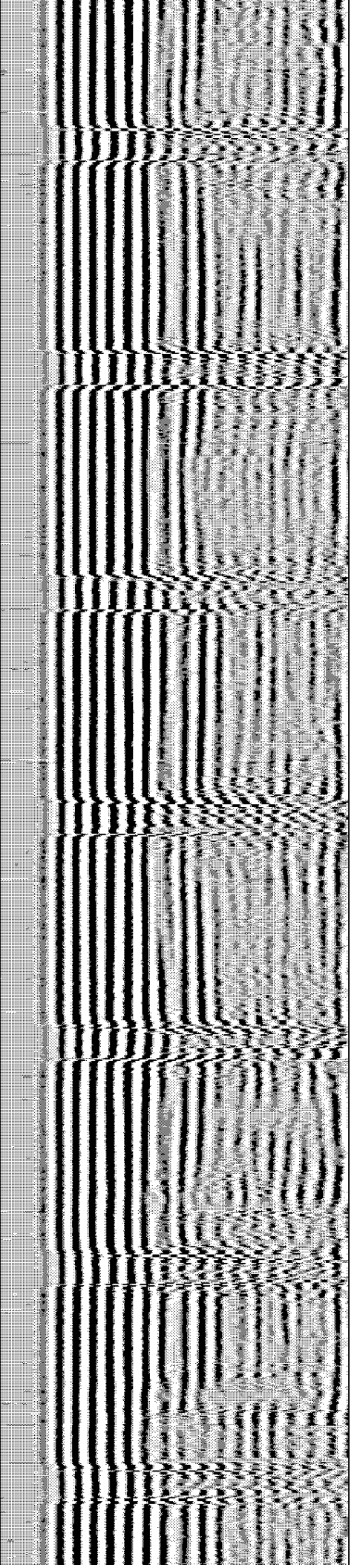
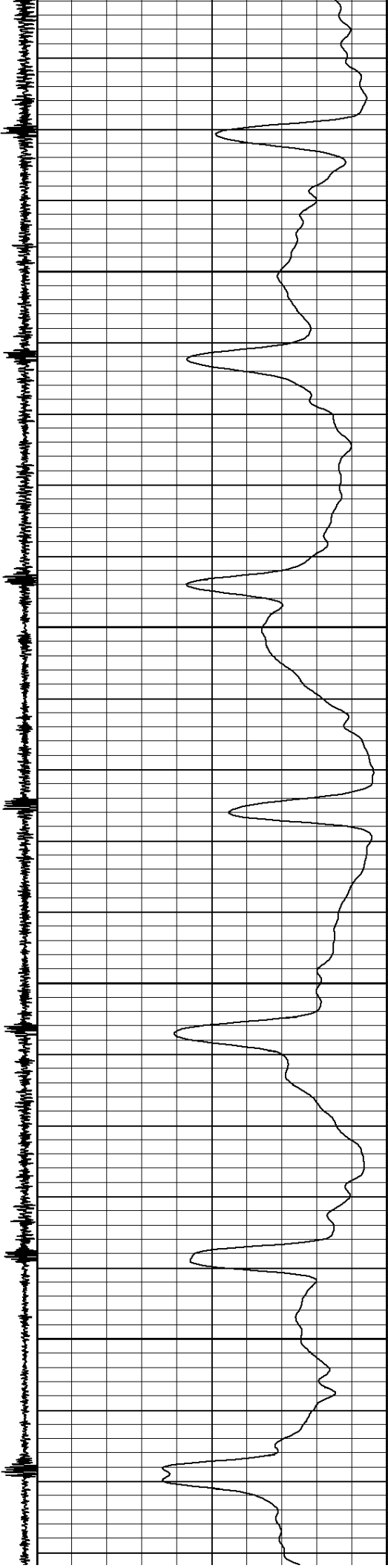


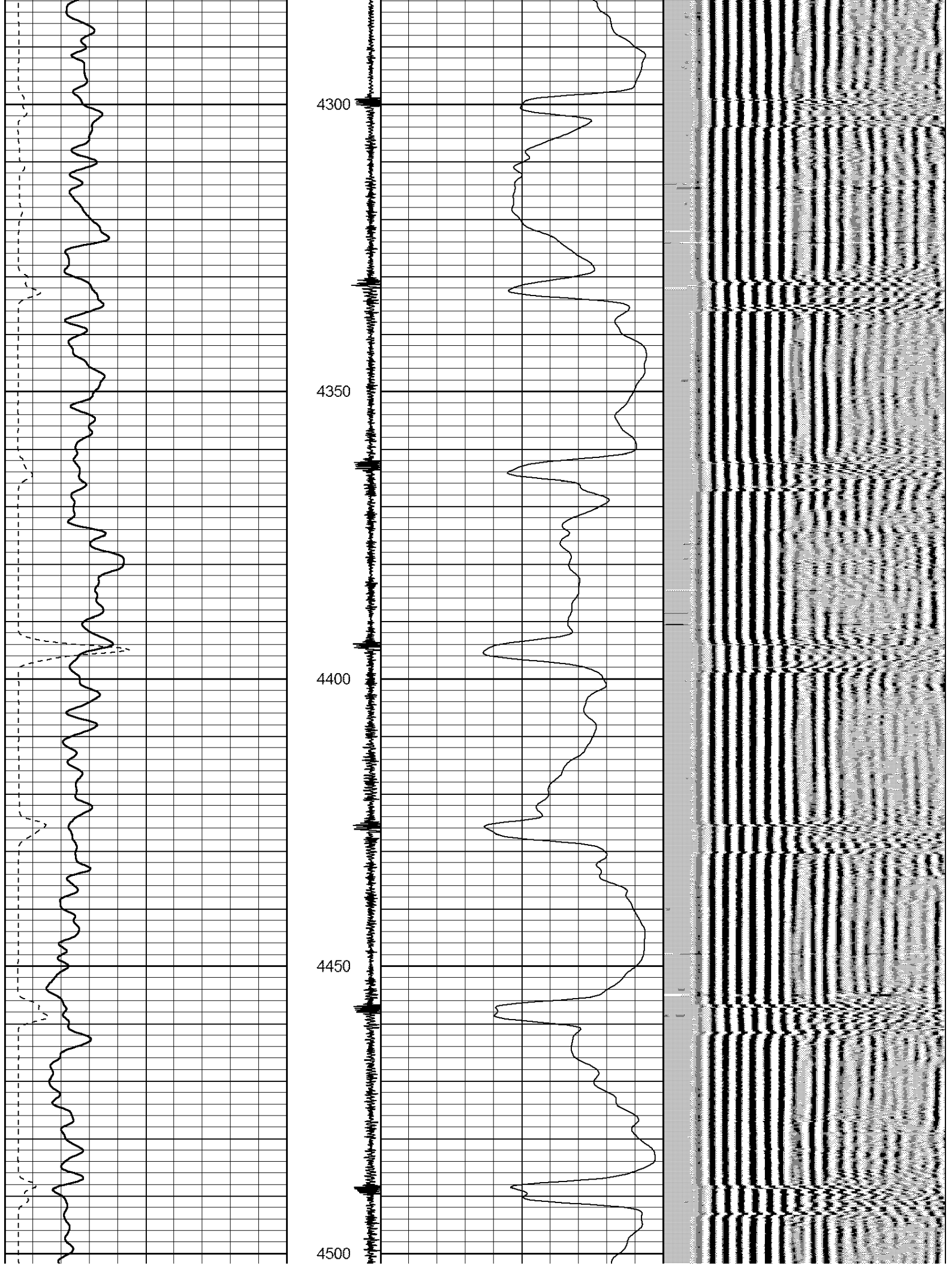
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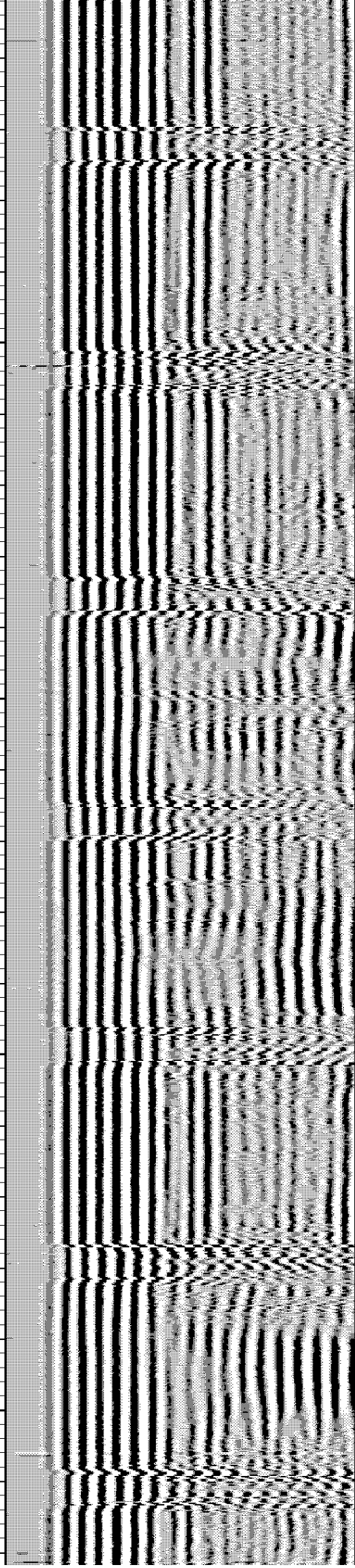
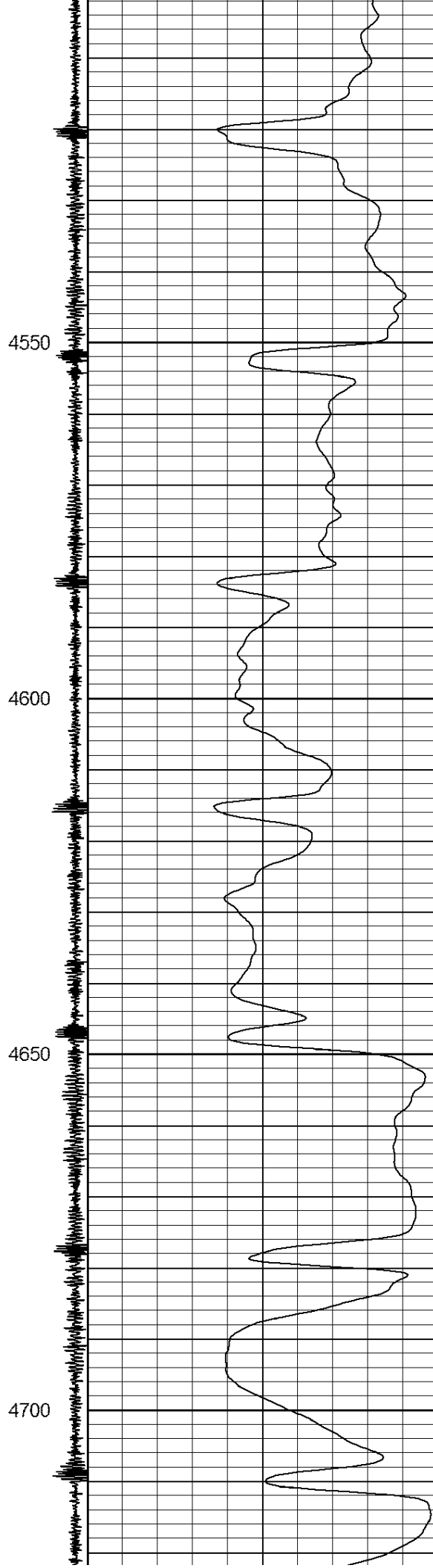
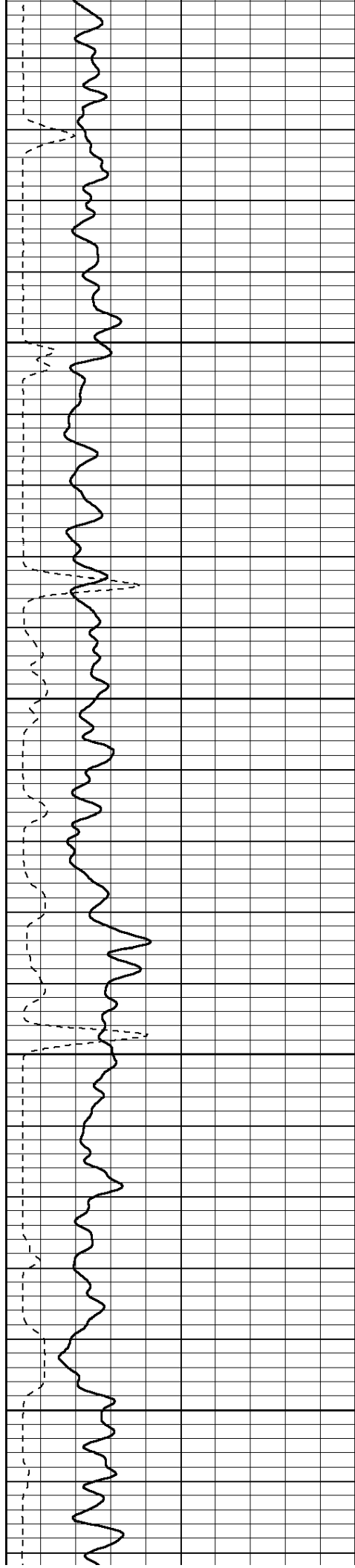
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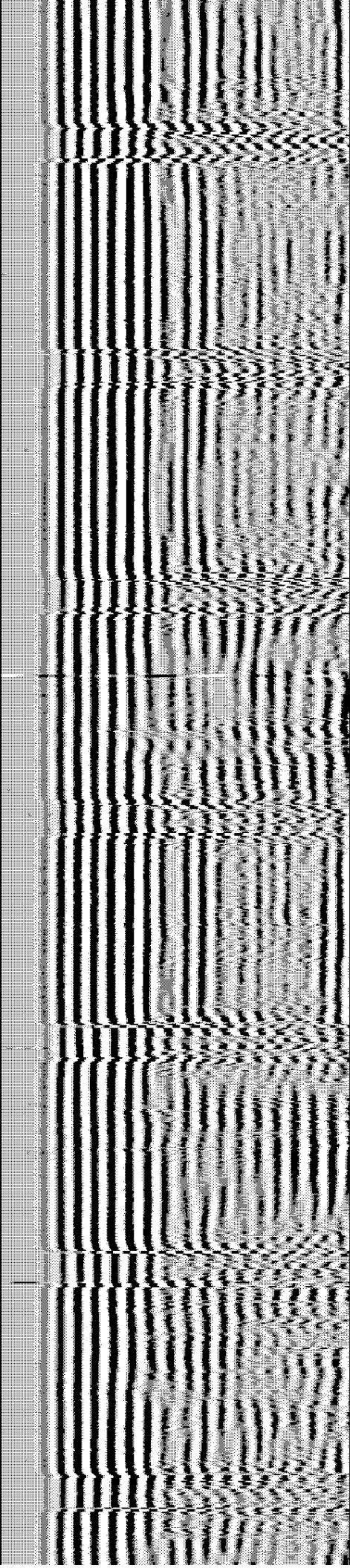
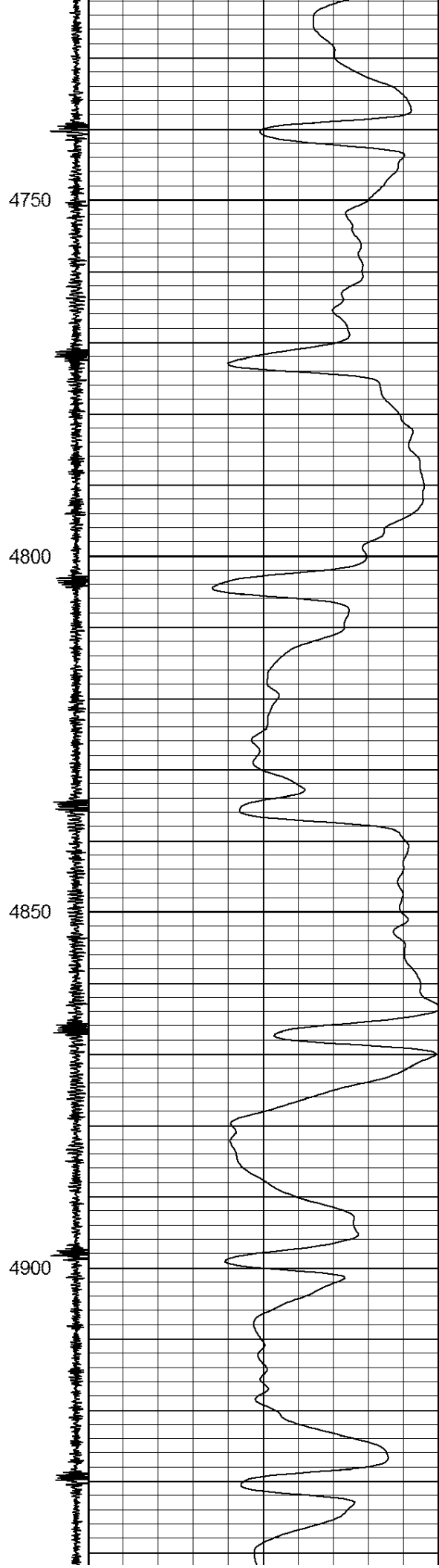
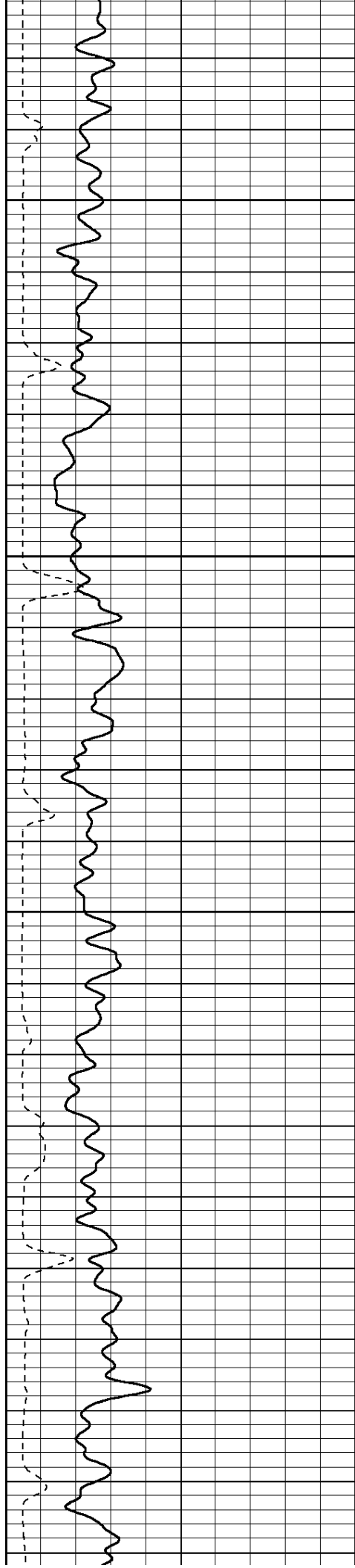
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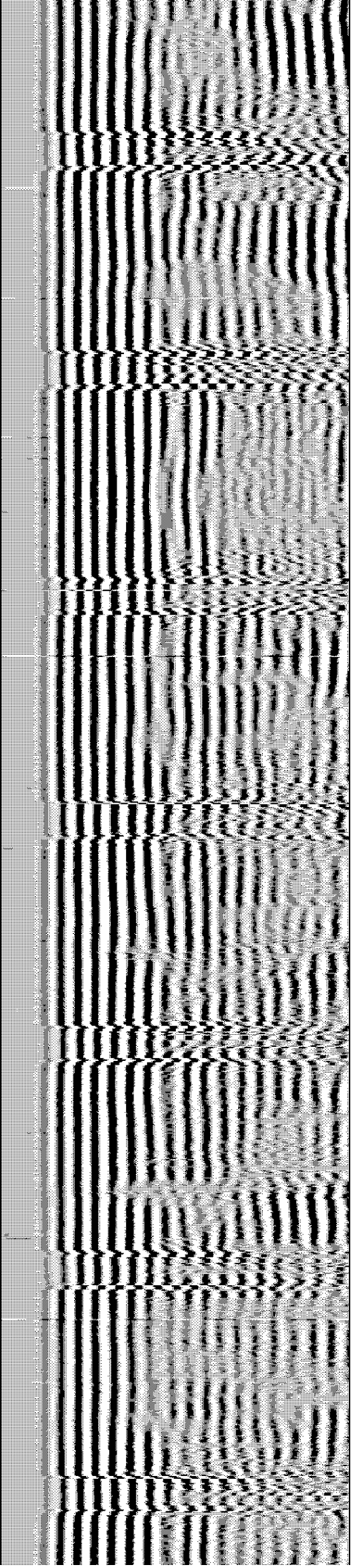
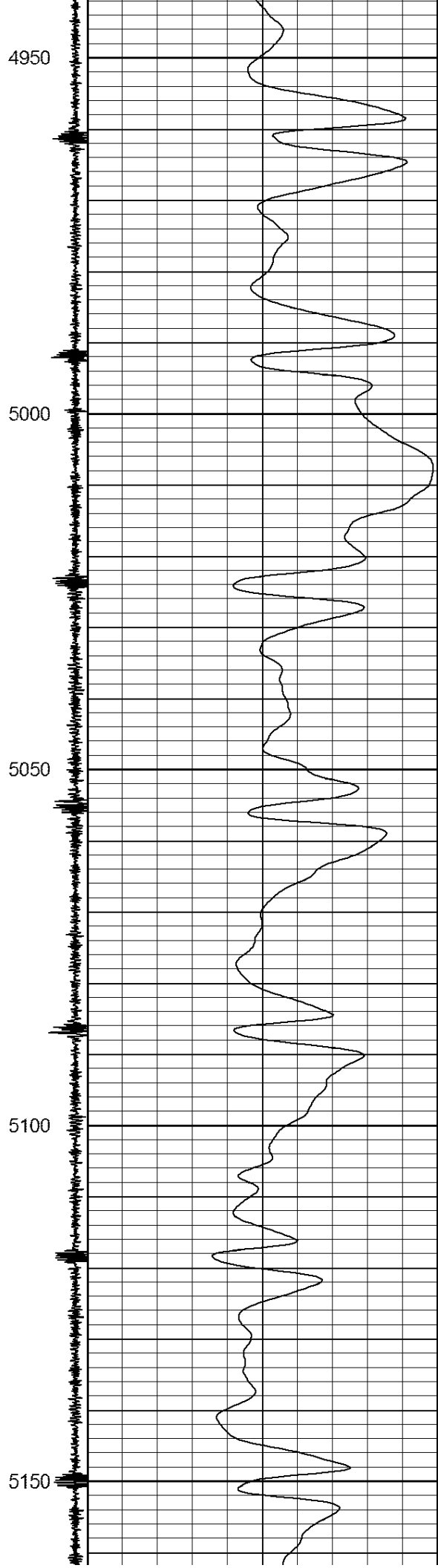
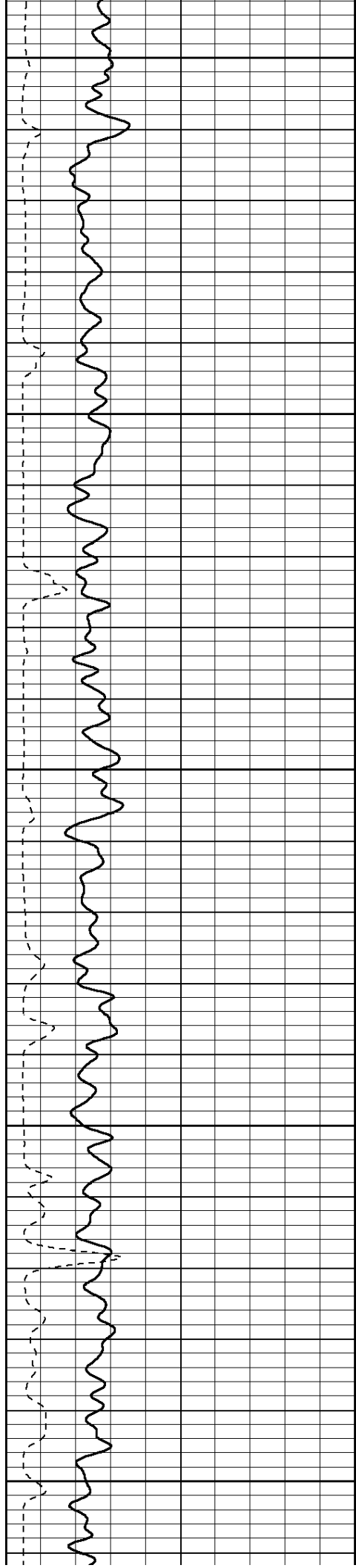
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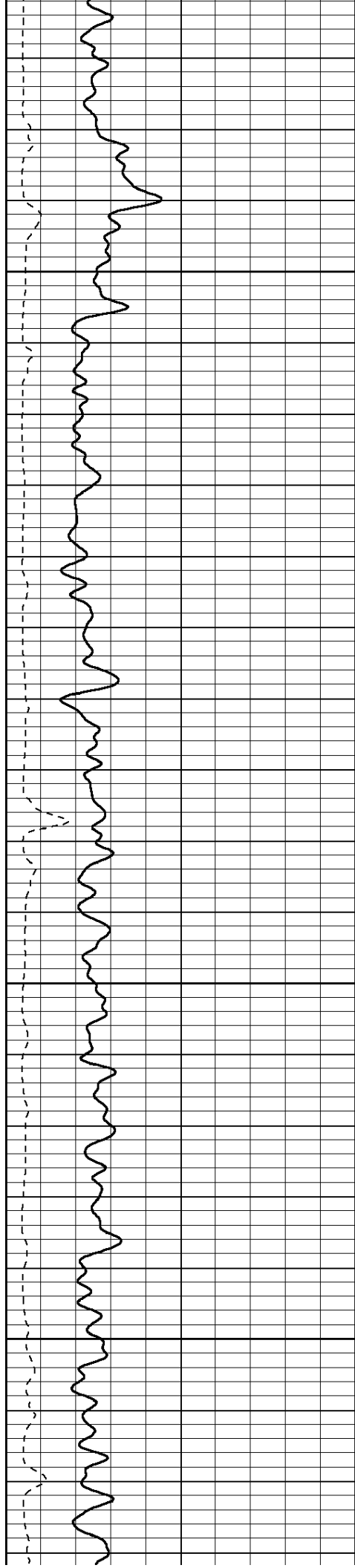










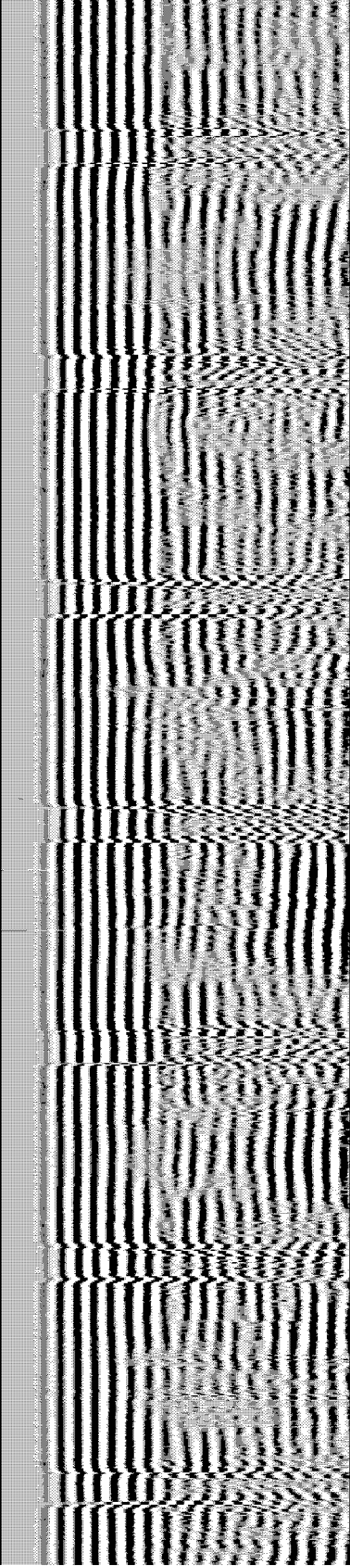
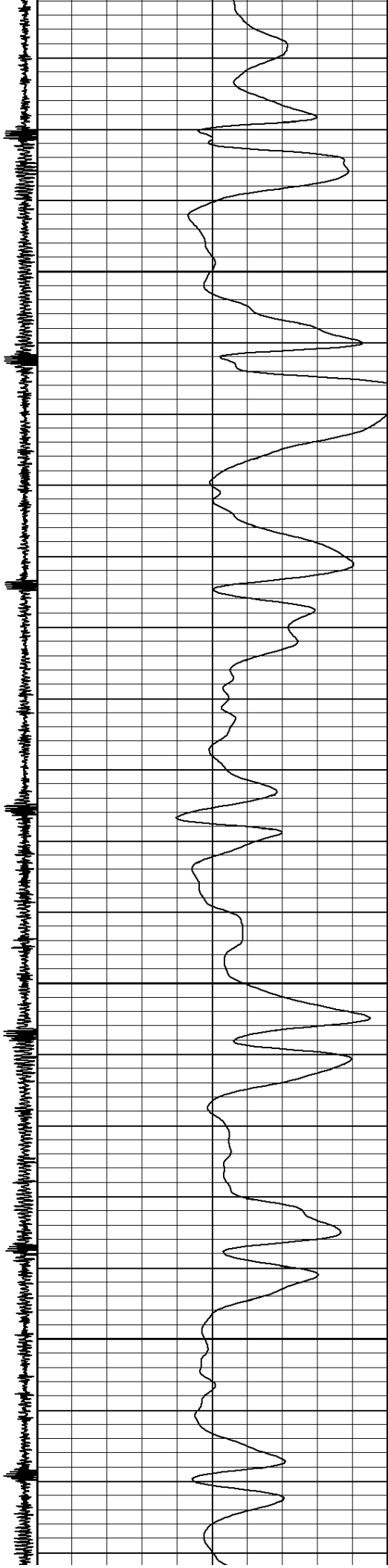


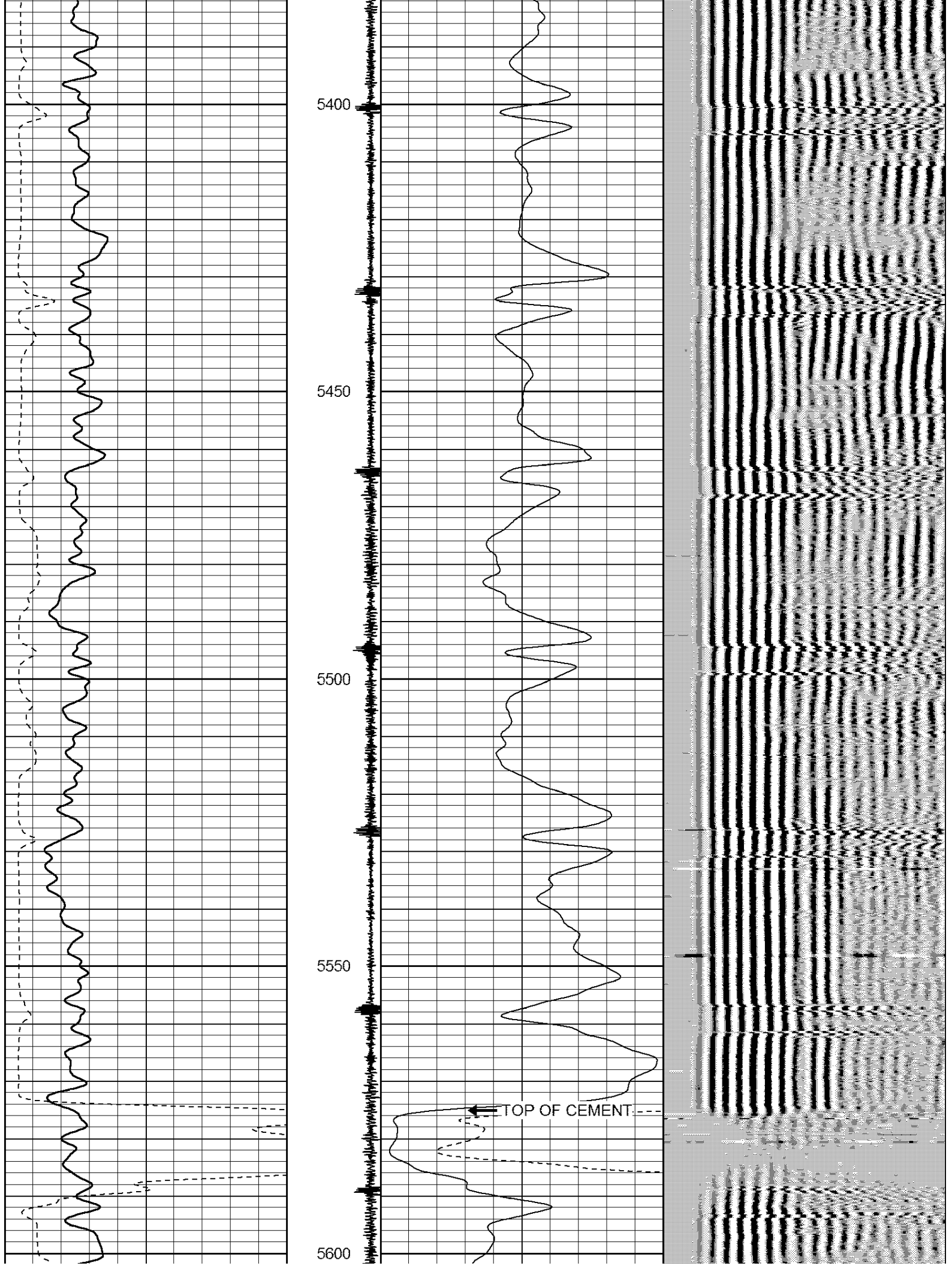
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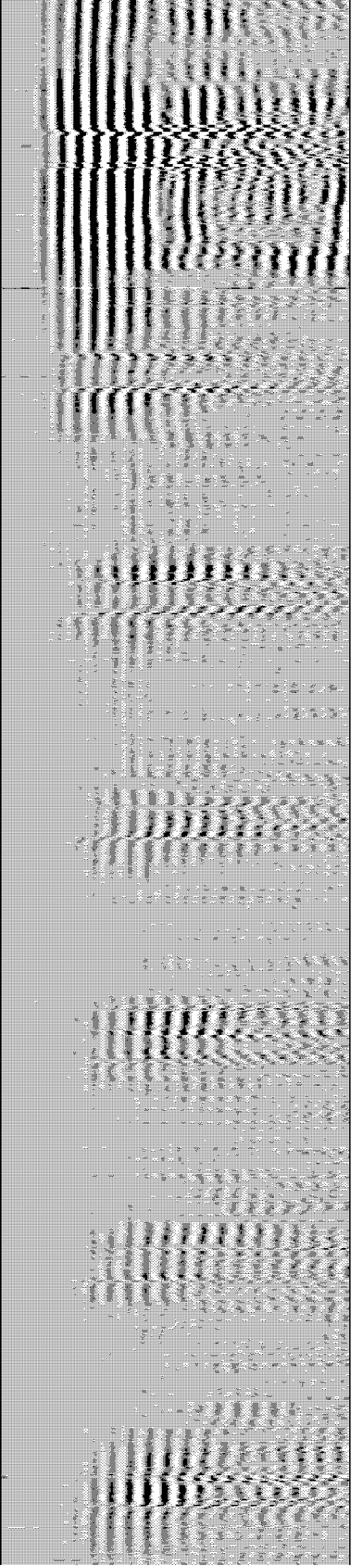
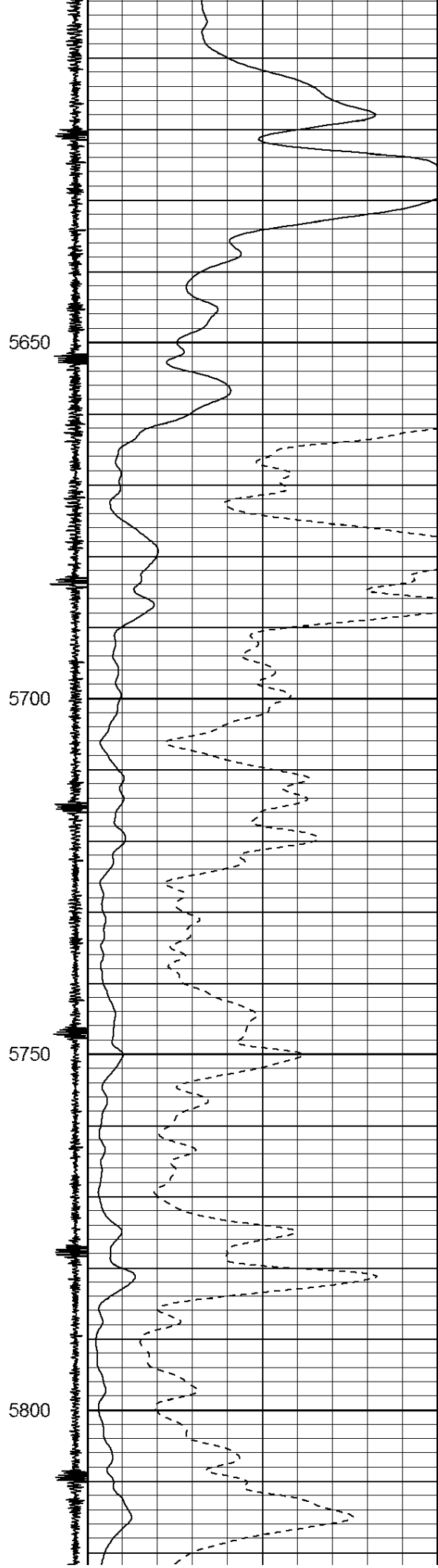
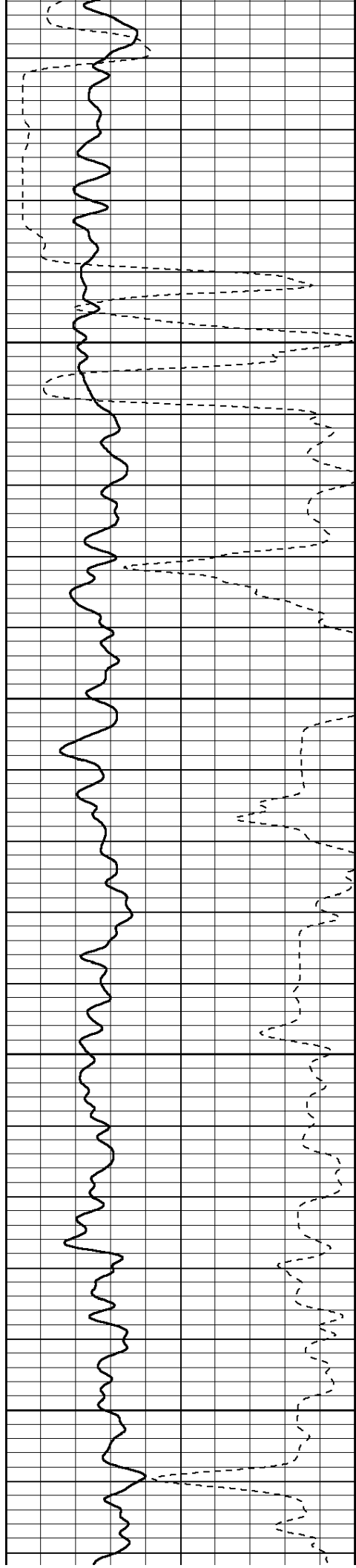
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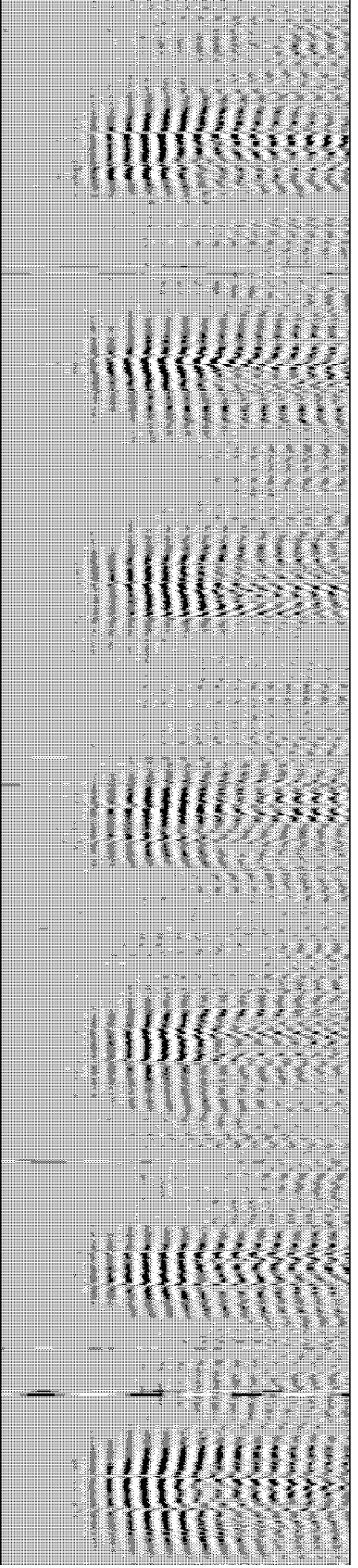
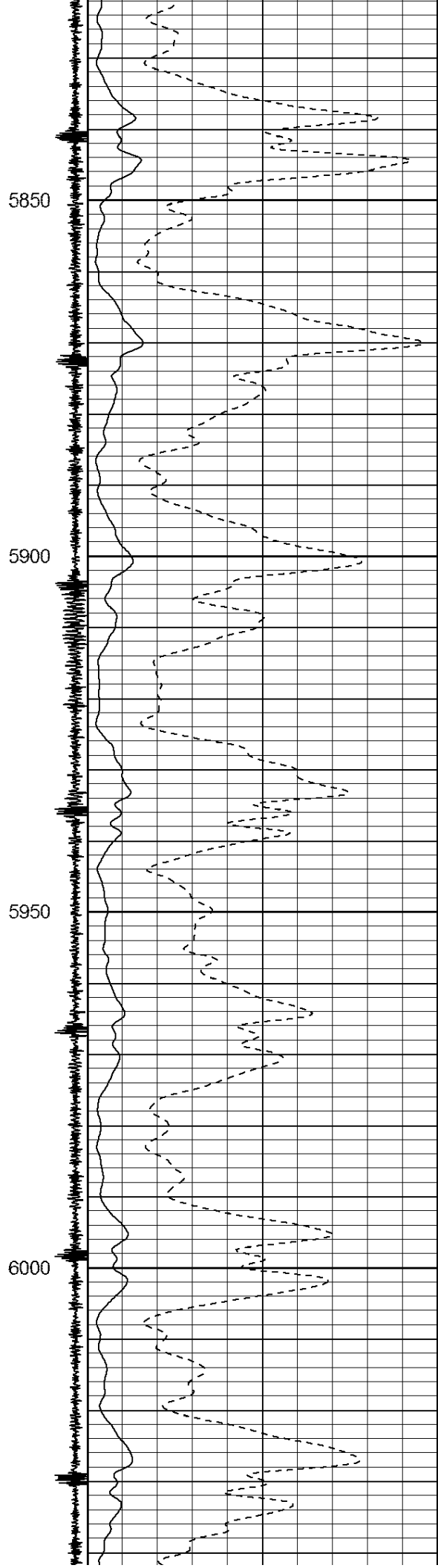
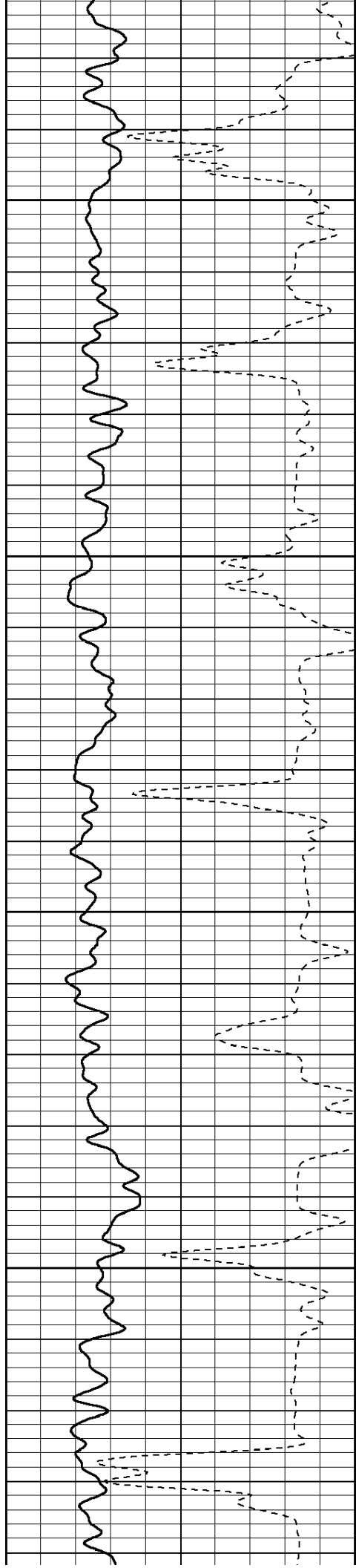
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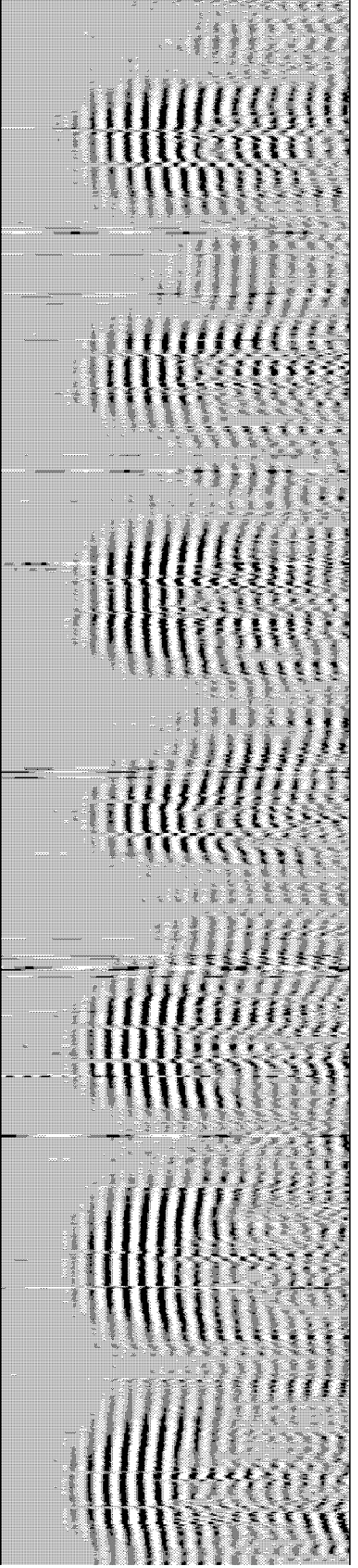
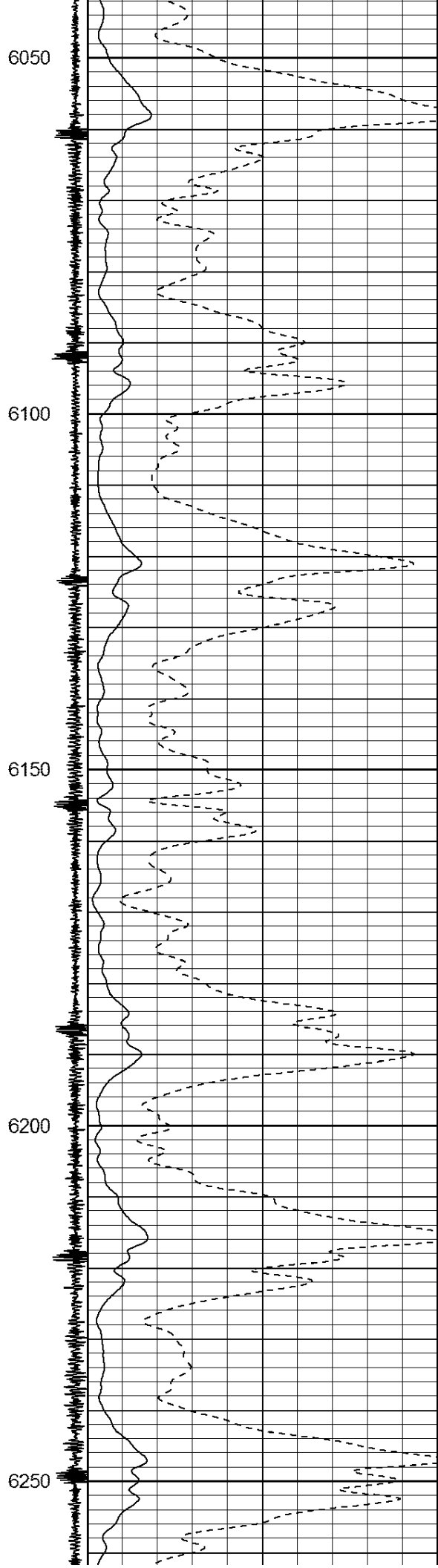
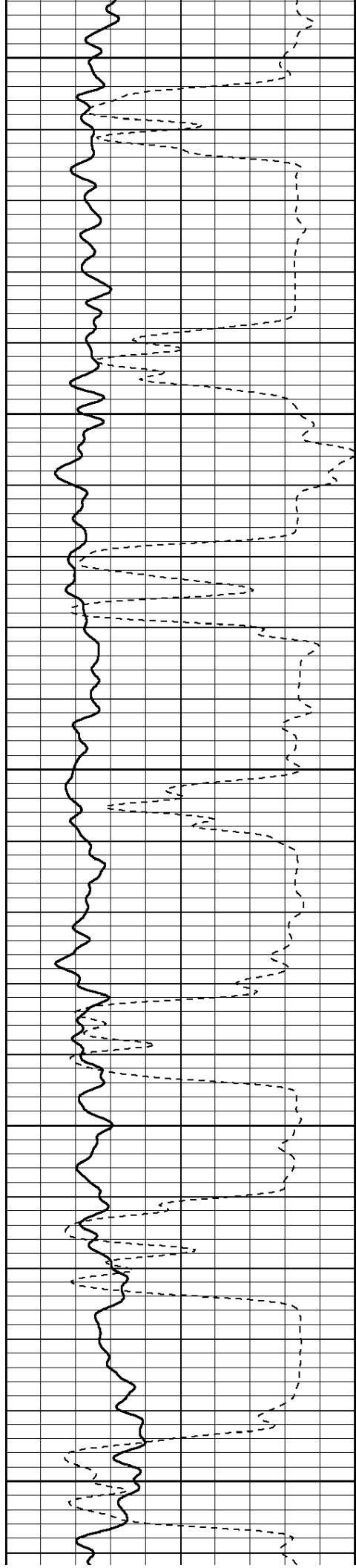
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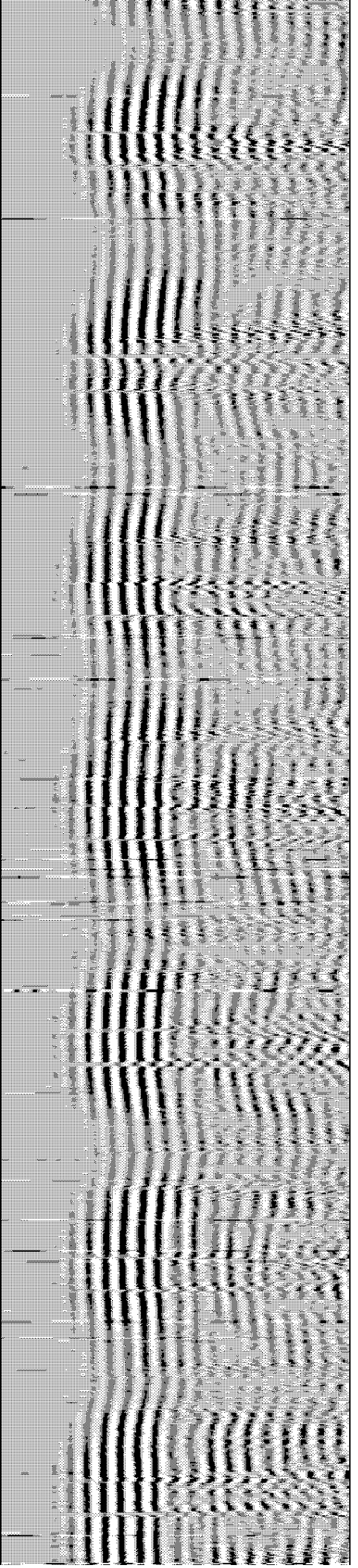
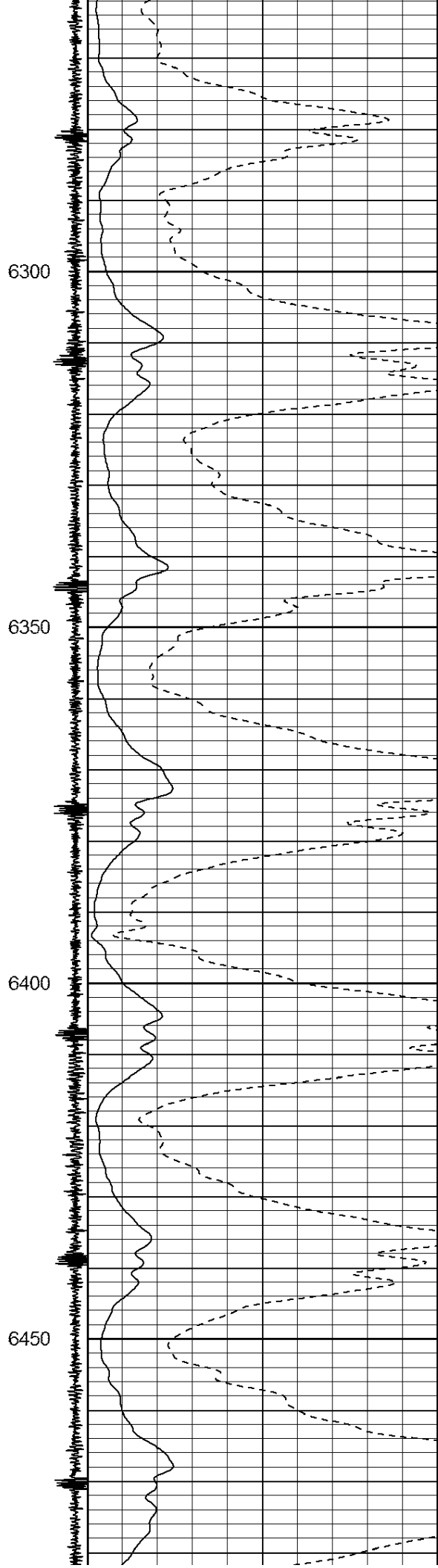
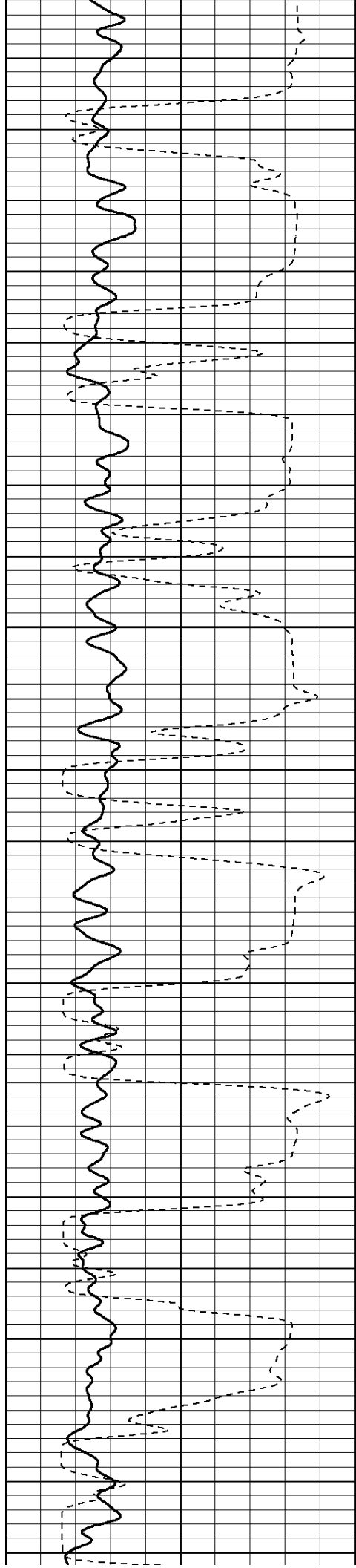


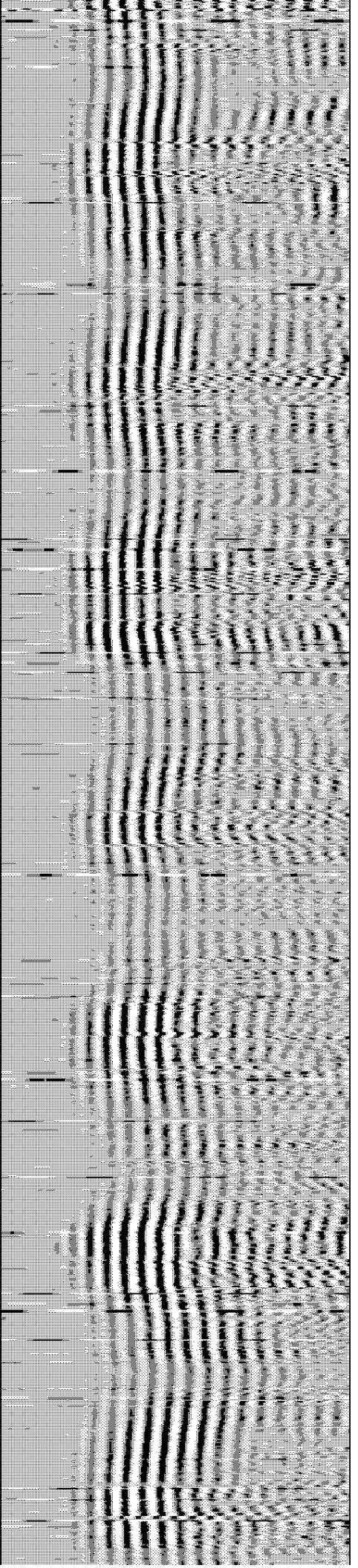
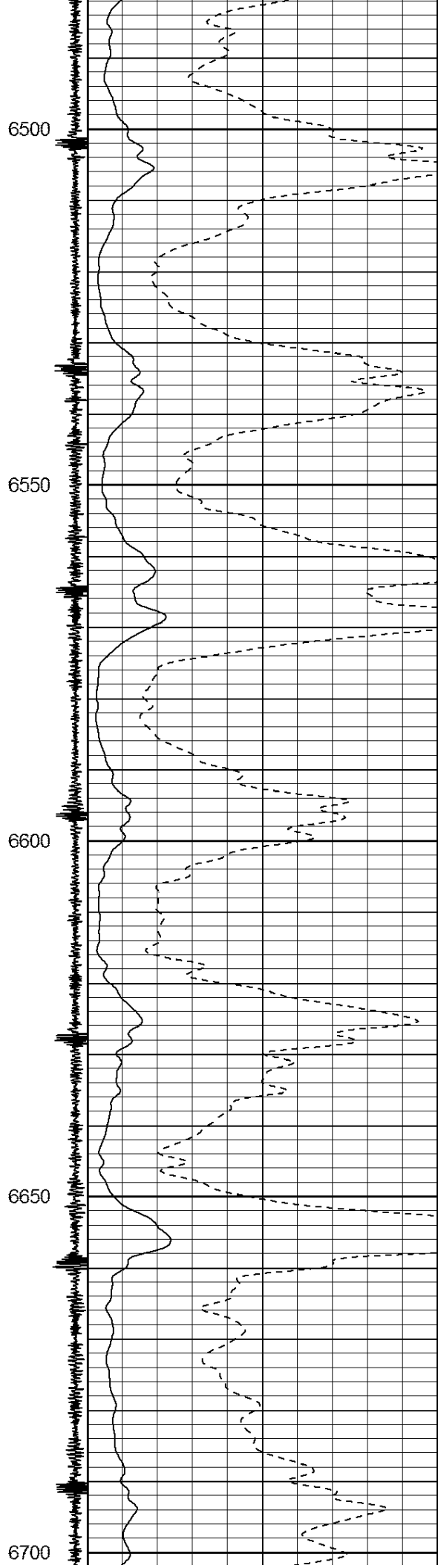
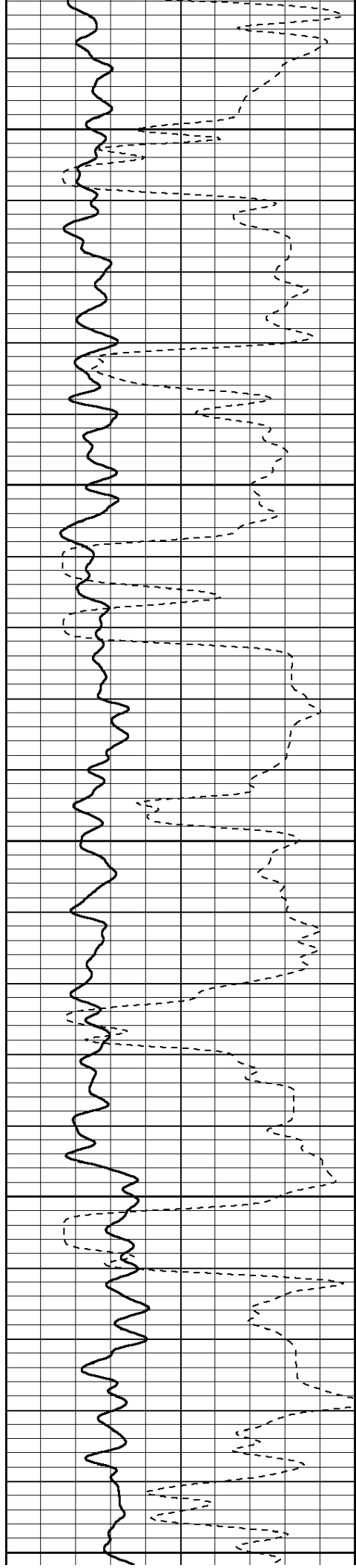


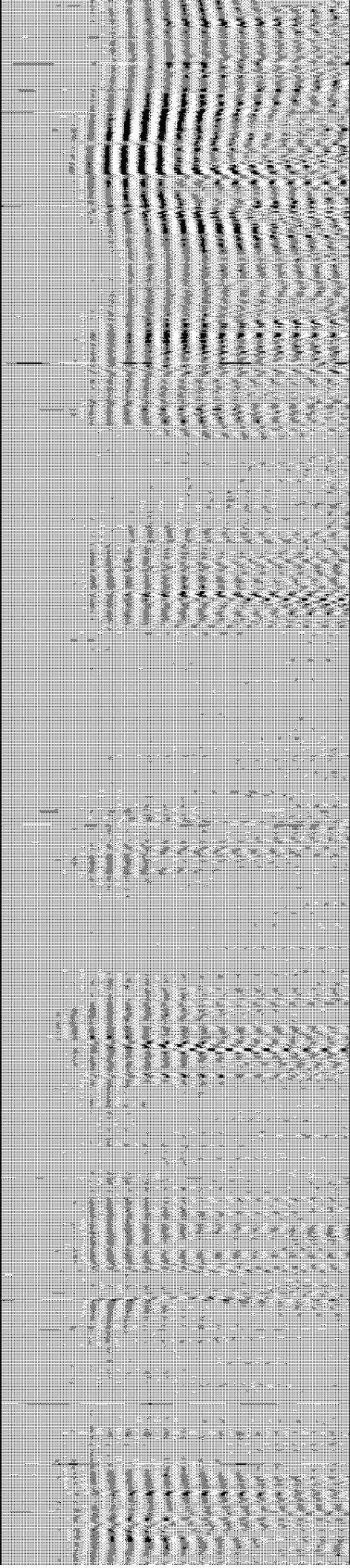
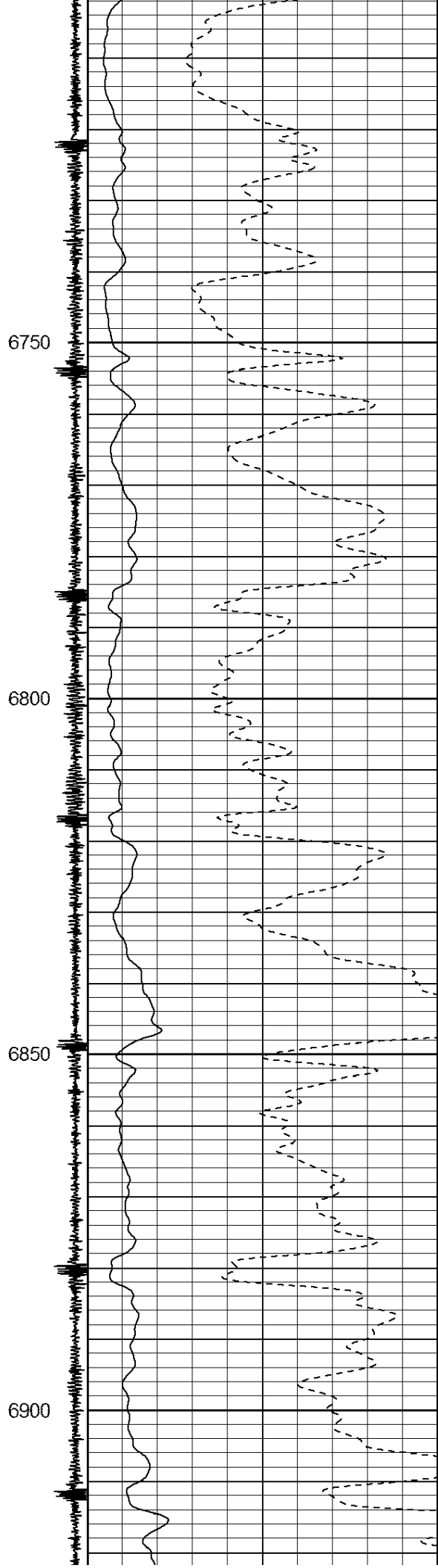
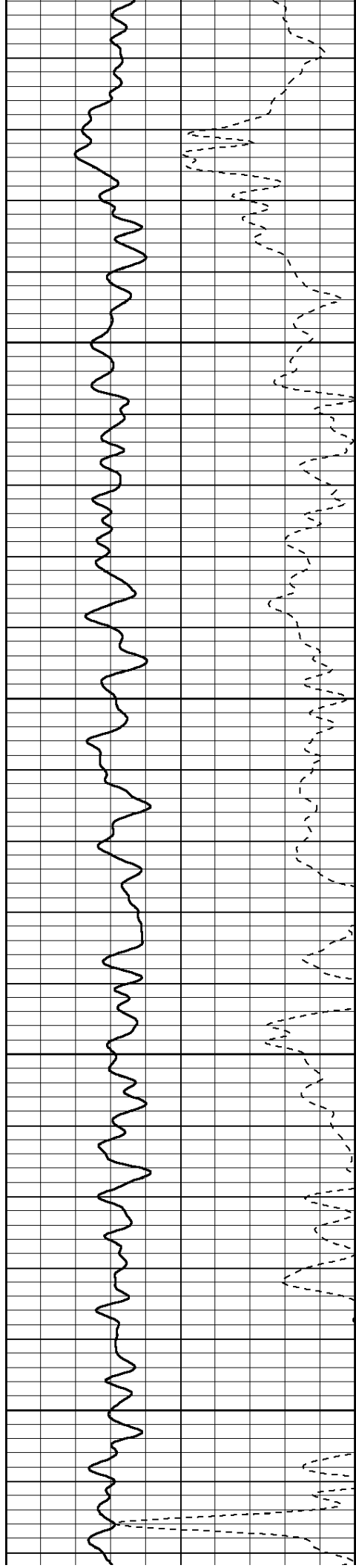


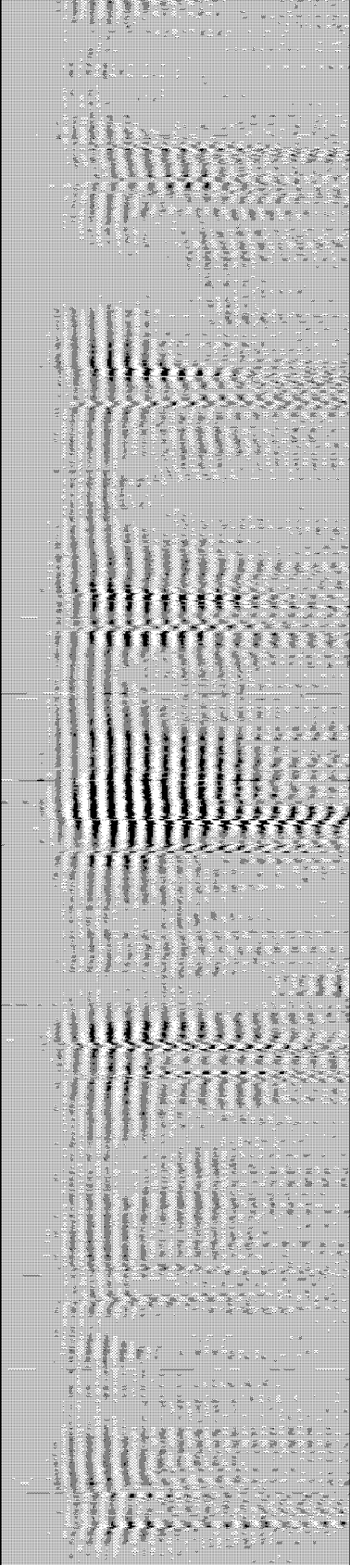
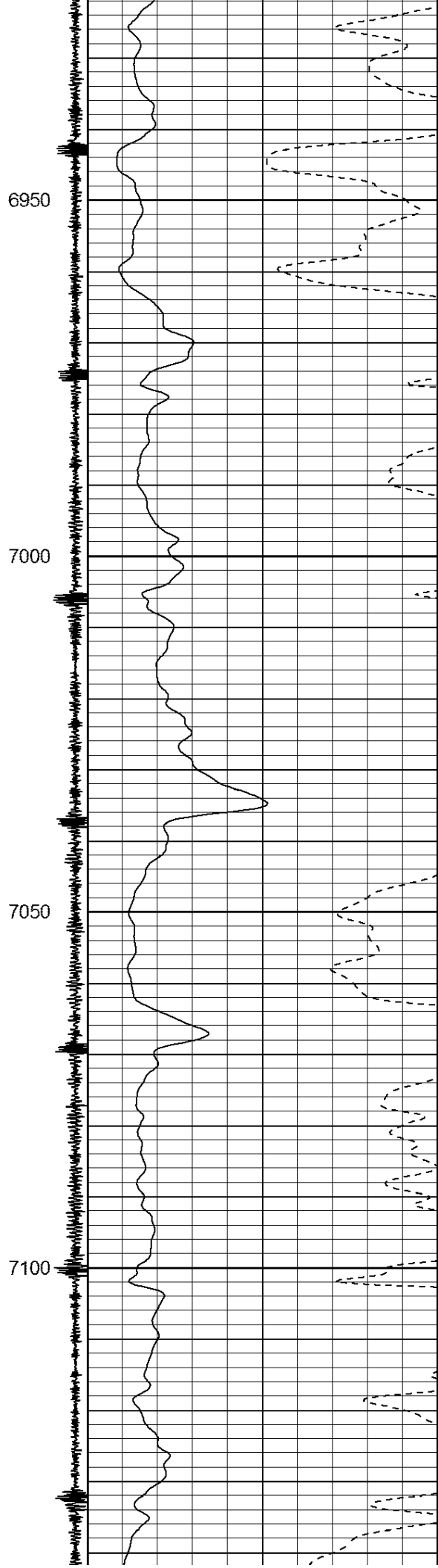
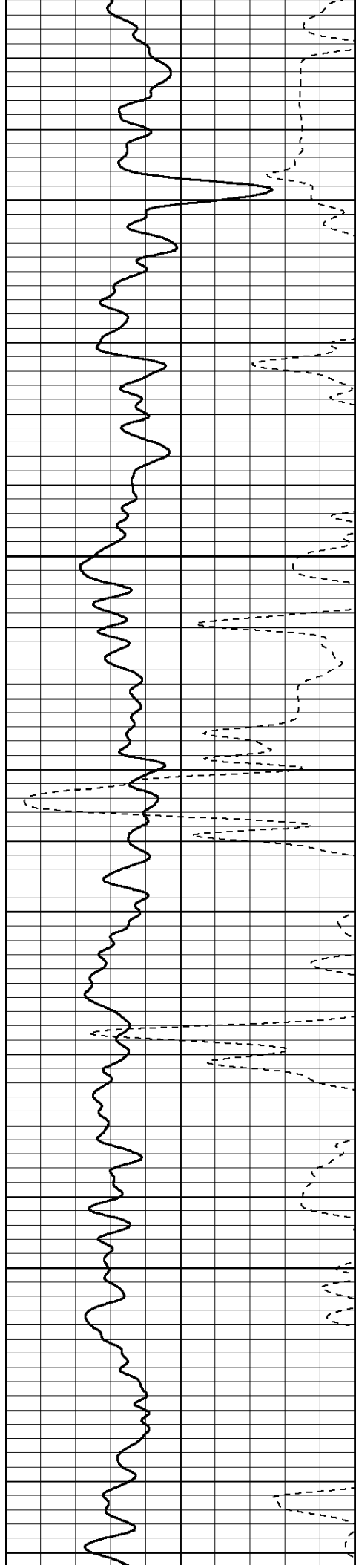


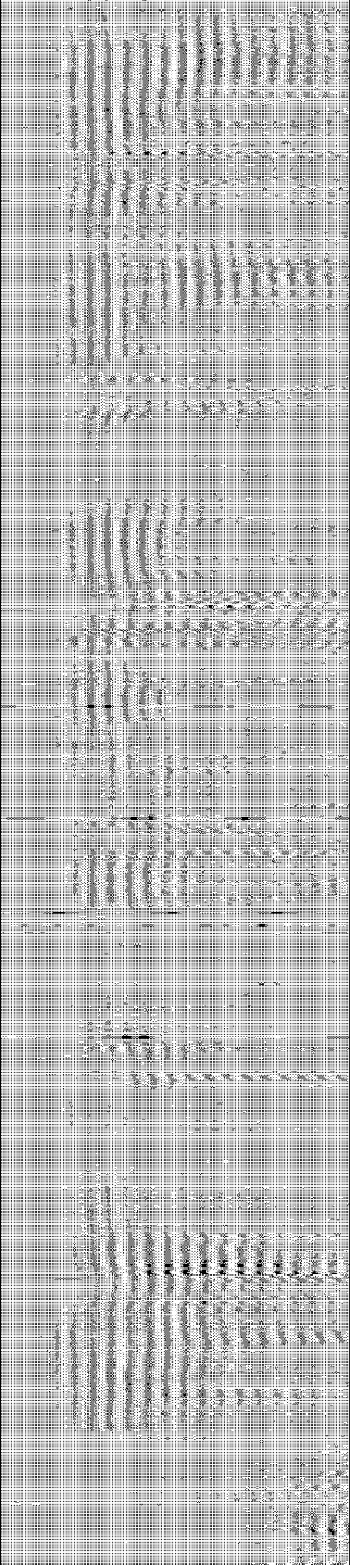
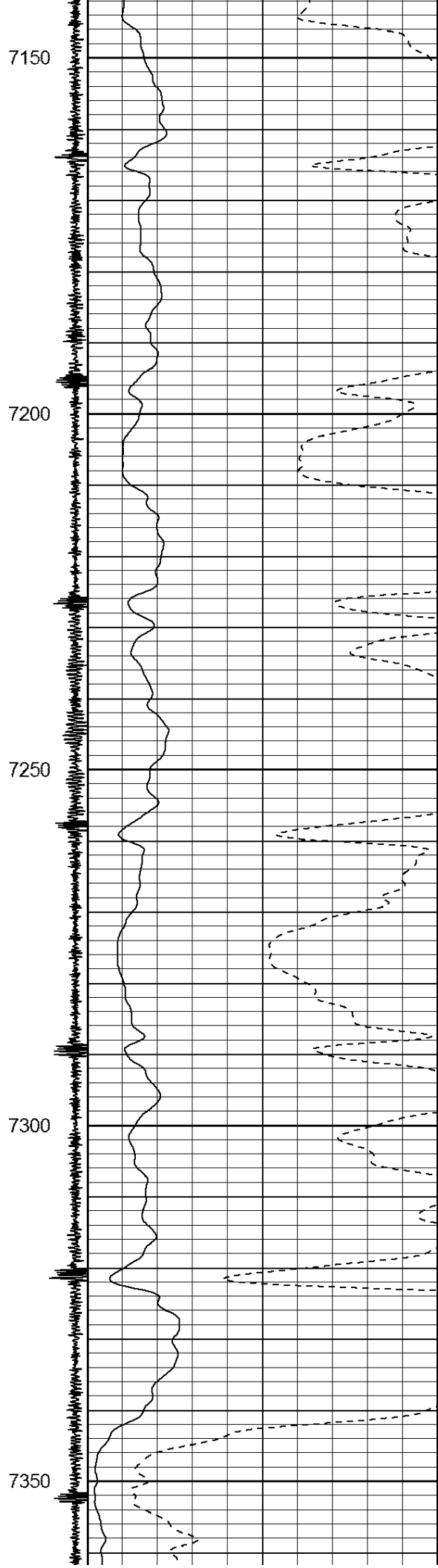
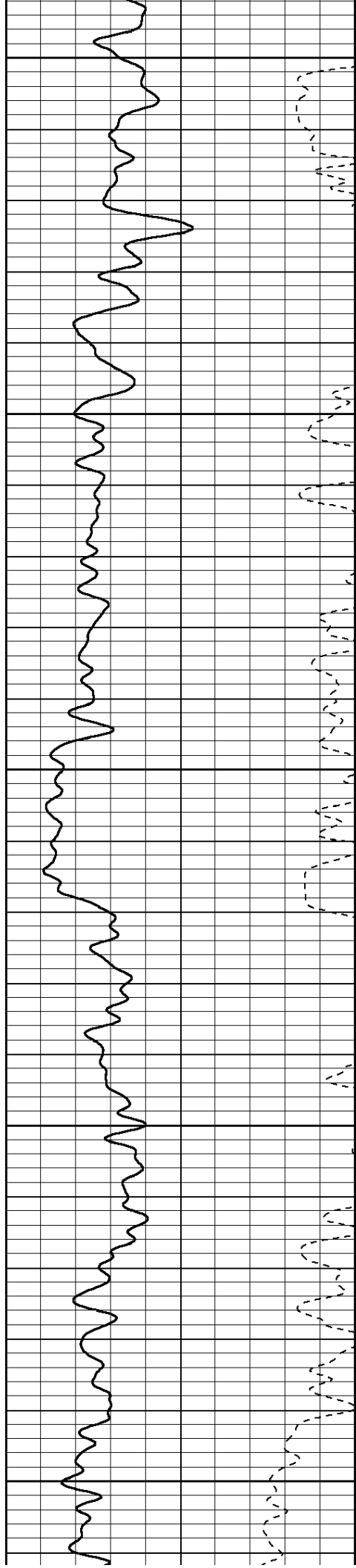


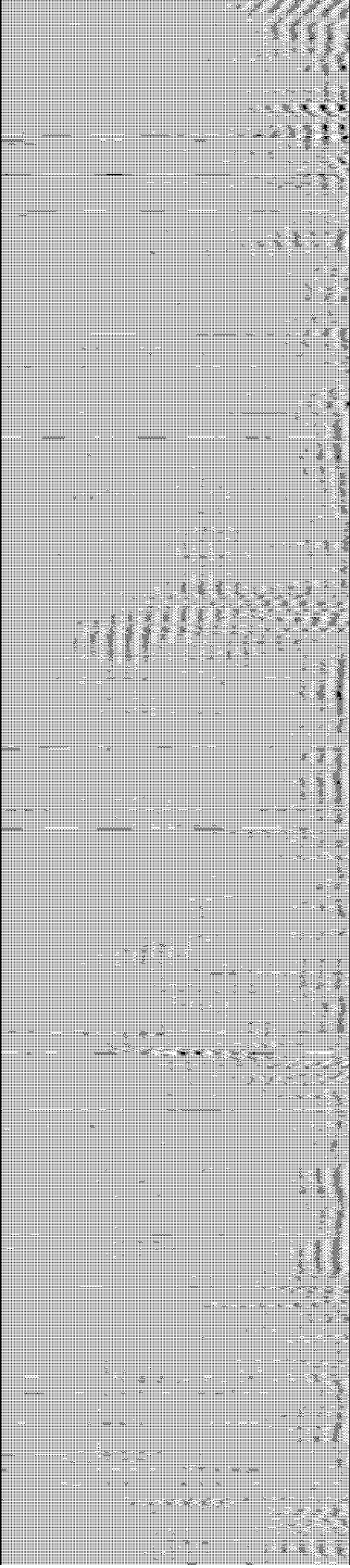
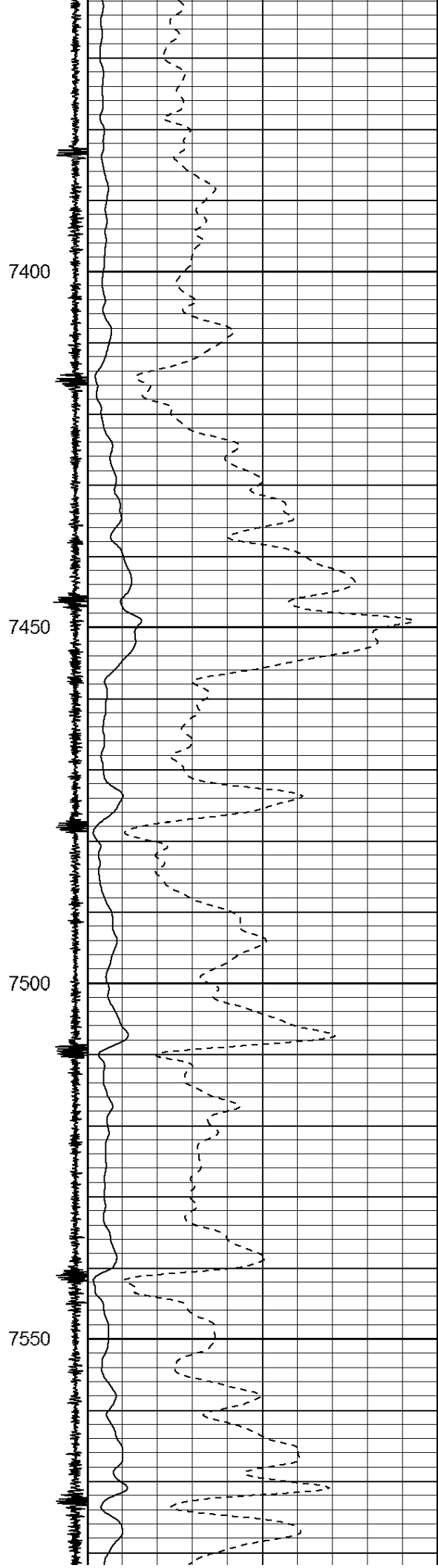
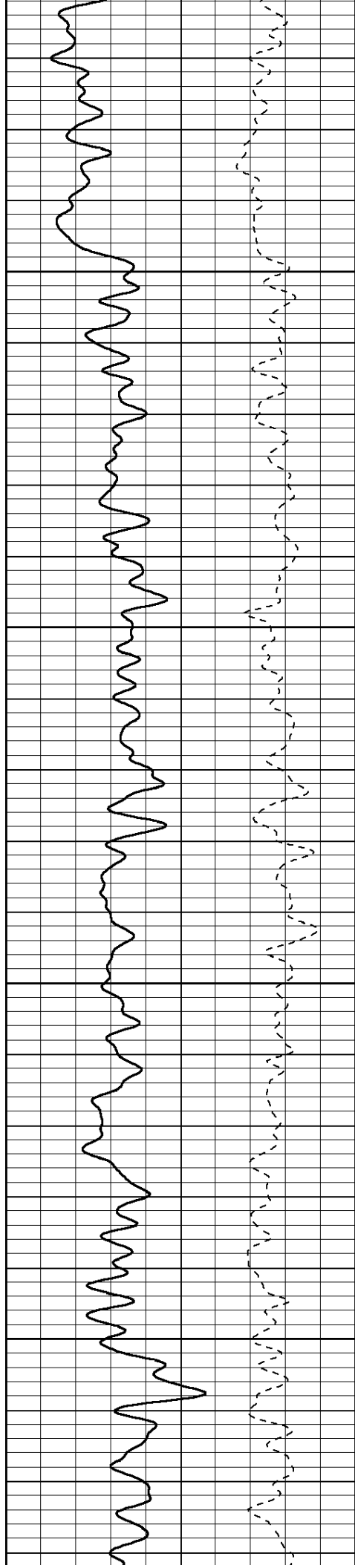


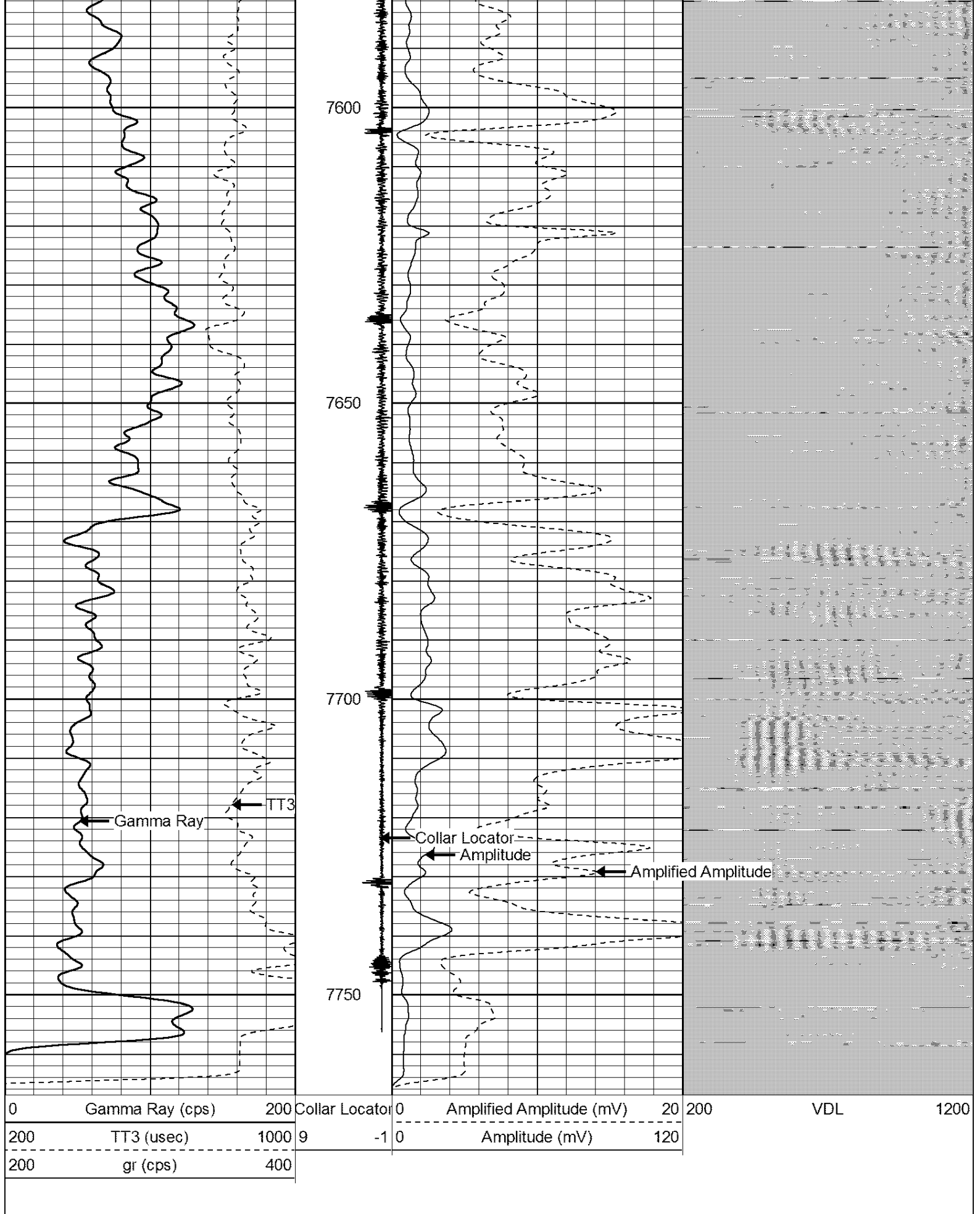












Calibration Report

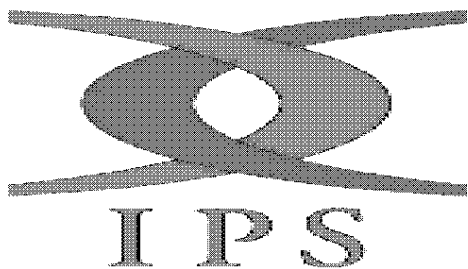
Database File: pk farms 1.db
 Dataset Path: /

Cement Bond Log Calibration Report

Serial Number:	20000		
Tool Model:	sb2		
Performed:	Tue Nov 17 21:11:37 2015		
Depth:	245.358	ft	
Casing Diameter:	2.875	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	106.451	106.451	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	1.2886	0.822852	V
Gain:	82.6099	129.368	
Offset:	0	0	

Gamma Ray Calibration Report

Serial Number:	CMP35A	
Tool Model:	Cmp35GR	
Performed:	Thu Nov 11 10:01:24 2004	
Calibrator Value:	1125.0	cps
Background Reading:	56.2	cps
Calibrator Reading:	1208.5	cps
Sensitivity:	1.3000	cps/cps



Company	ANADARKO PETROLEUM CORPORATION
Well	PK FARMS 1
Field	WATTENBERG
County	WELD
State	CO