



Pioneer Energy Services

Sonic Cement
Bond Log

Company TAOS Resources
Well WMU No. 12
Field West Maddix
County Cowley State Kansas

Location
4950' FSL & 5115' FEL

Sec: 2 Twp: 33S Rge: 5E

Permanent Datum Ground Level Elevation 1290
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
Perforate
Elevation
K.B. 1298
D.F. 1296
G.L. 1290

Run Number	One	
Date Survey	9/4/2013	
Date Cementing	8/26/2013	
Type Cementing Operation	Primary	
Depth Driller	3650	
Depth Logger	3604	
Logged Interval	3604 to 1180	to
Casing Driller	5.5 @ TD	@
Float Collar -- D.V. Tool	////	////
Squeeze Depth	////	
Amount & Type Cement	////	
Amount & Type Admix	////	
Type Fluid In Hole	Water	
Fluid Level	Full	
Salinity PPM CL	////	
Weight lb/gal -- Vis.	////	////
Approx. Logged Cement Top	1380	
Calculated Cement Top	////	
Max. Hole Temperature	////	
Tool No.	DBT 1-1	
Spacing Recorded	3-5	
Equipment -- Location	5 Pratt	
Recorded By	M. Schwerdtfeger	
Witnessed By	Terry Madden	

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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

Thank you for using Pioneer Energy Services
(620) 672-8300

Winfield Ks, 6 East To Co. Rd. 1,
2 South, 1 East, 100yds South,
East Into



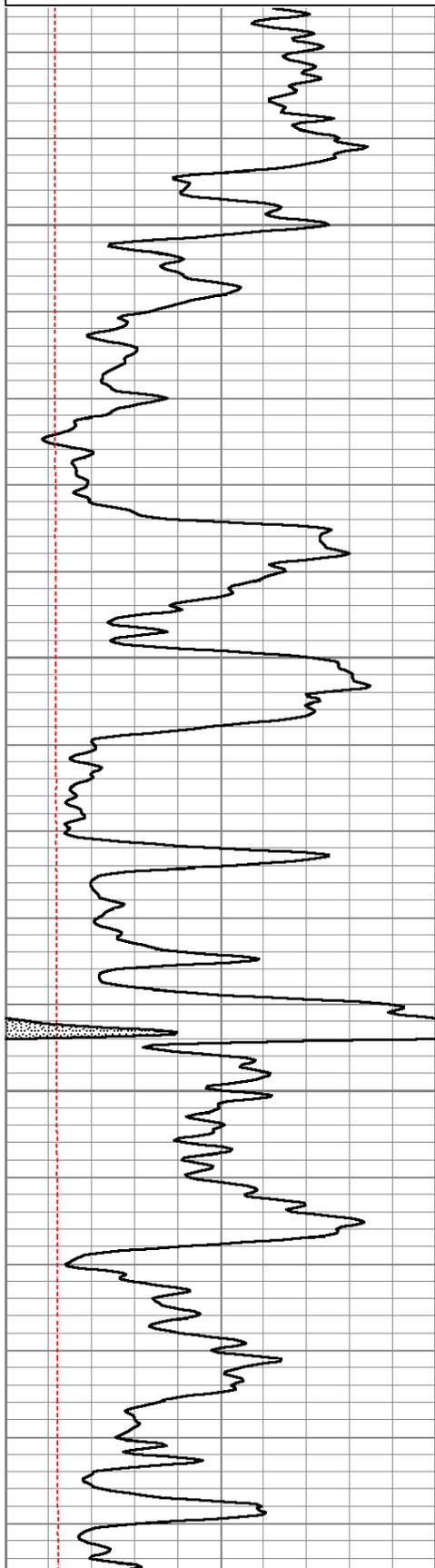
Main Pass

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 Dataset Pathname: grcbl/pass3
 Presentation Format: cbldig
 Dataset Creation: Wed Sep 04 15:11:56 2013 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
0	LTEN (lb)	5000

0	Amplitude (mV)	100
0	Amplified Amplitude (mV)	10
15	Collar Locator	-2

200 Variable Density 1200

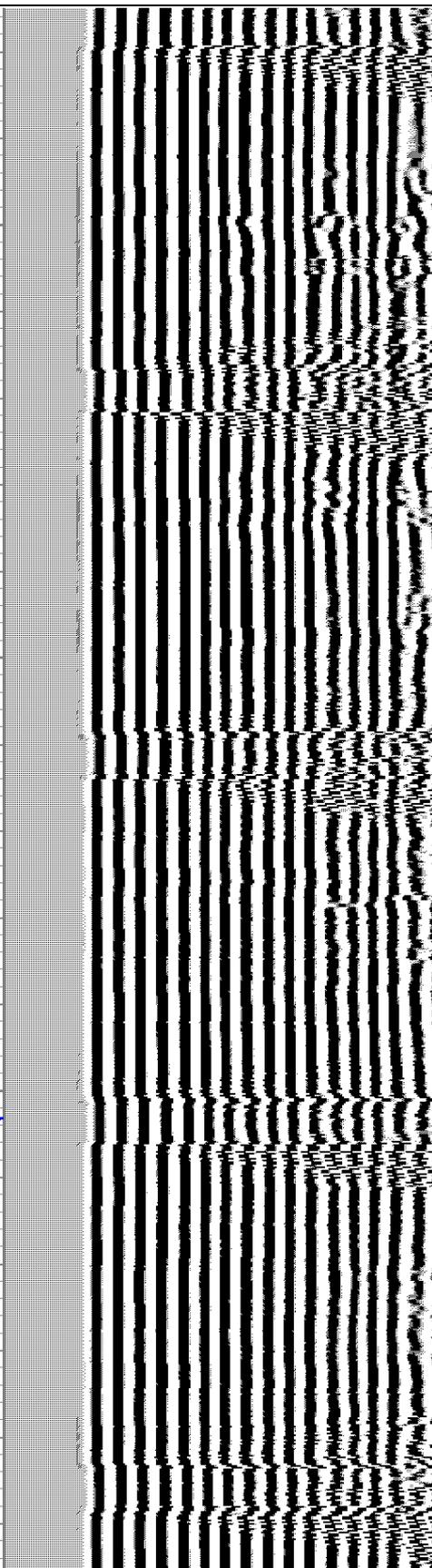
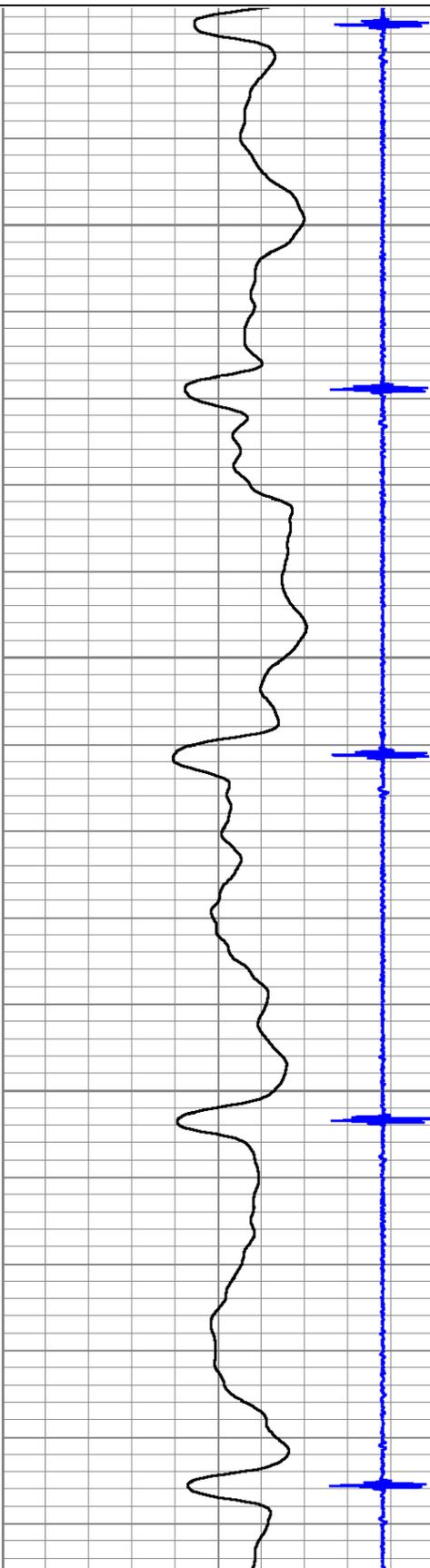


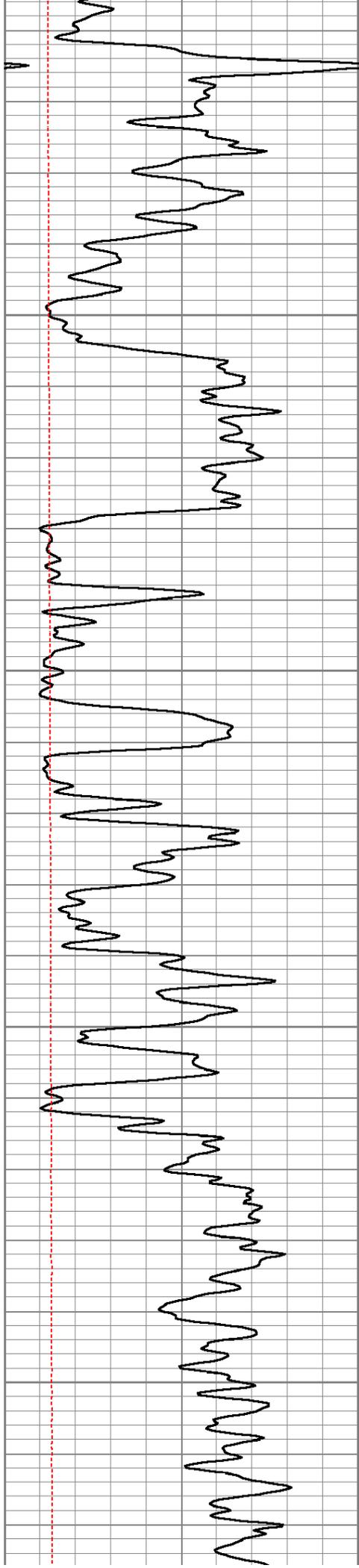
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1250

1300

1350



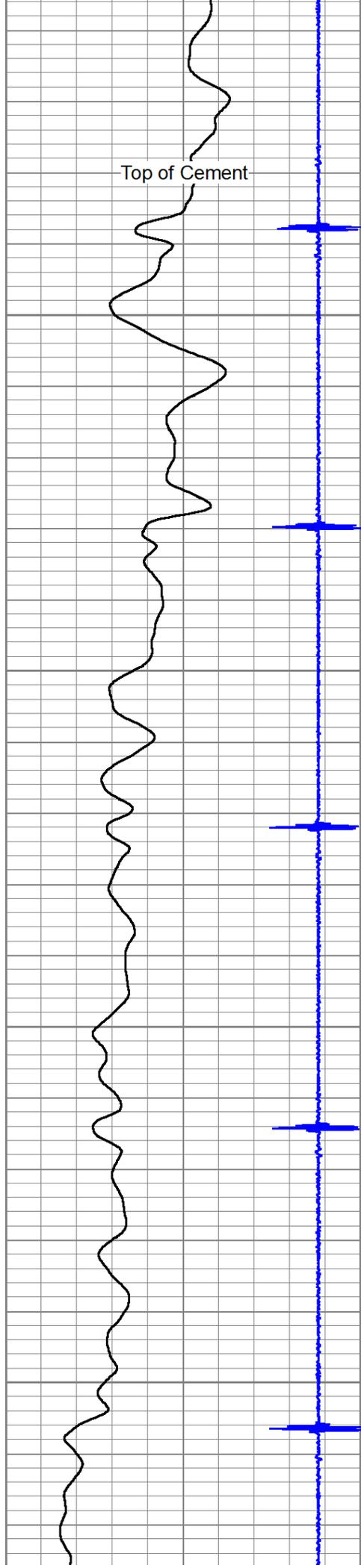


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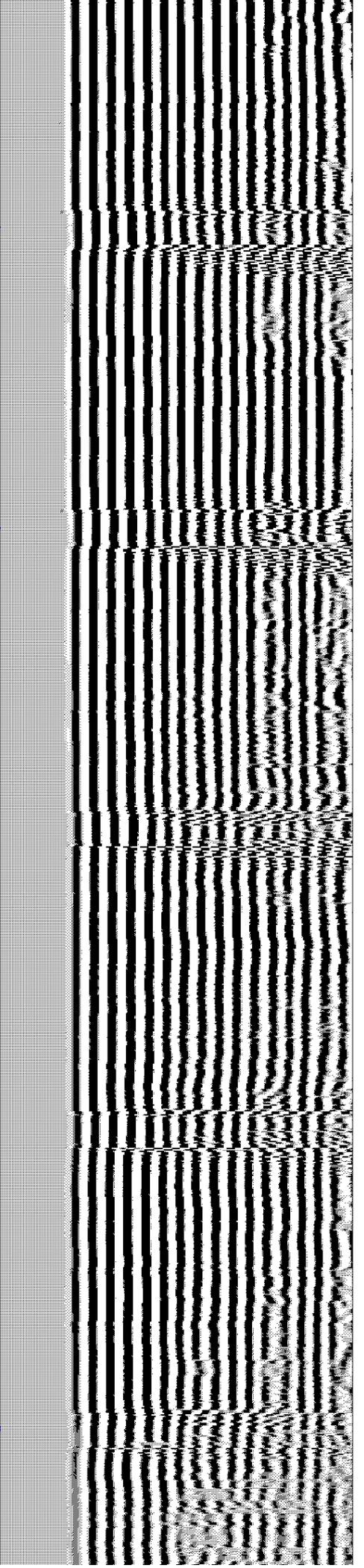
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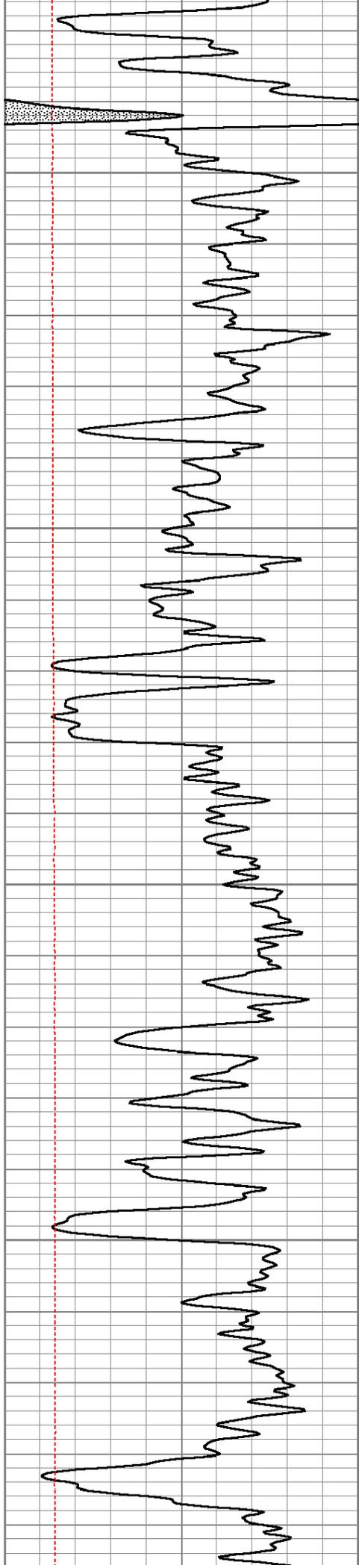
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1550



Top of Cement



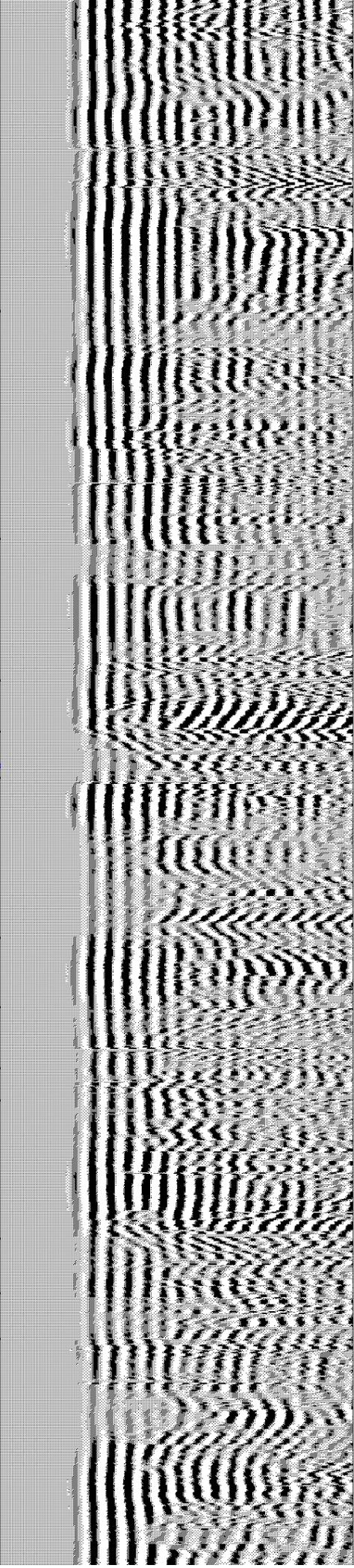
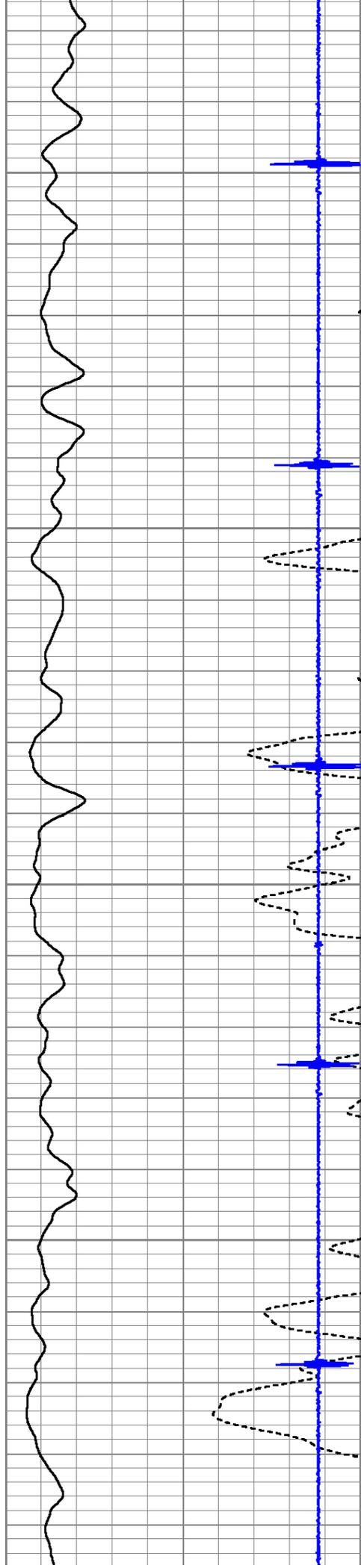


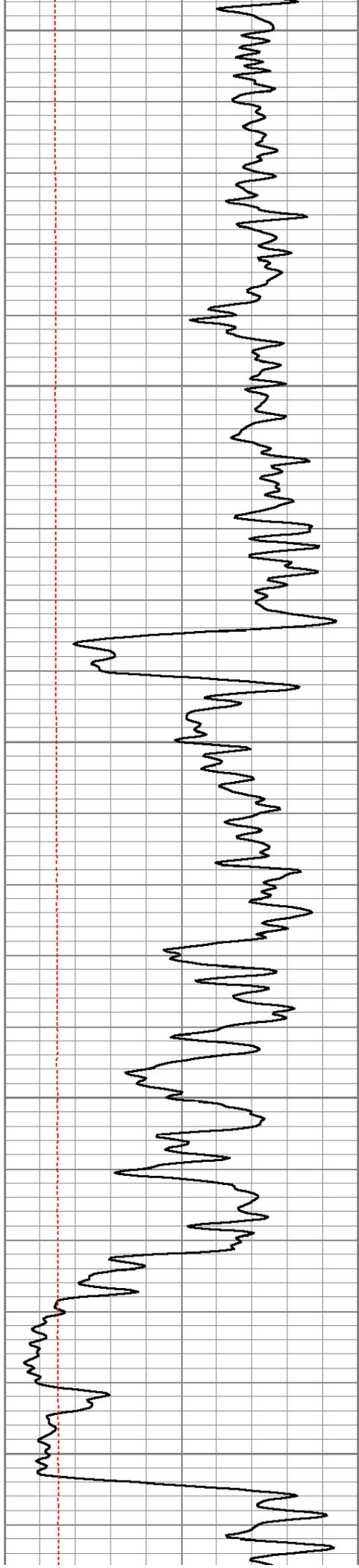
1600

1650

1700

1750





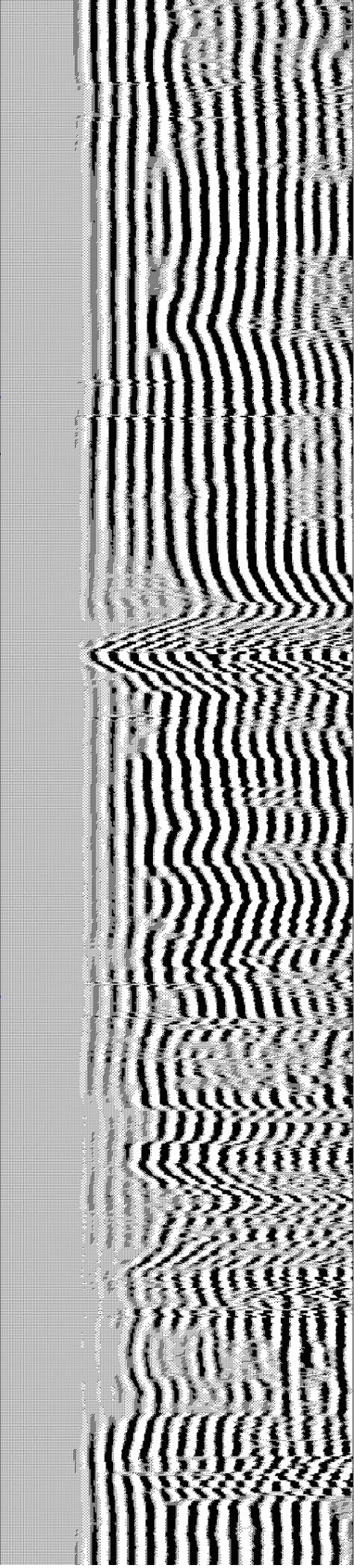
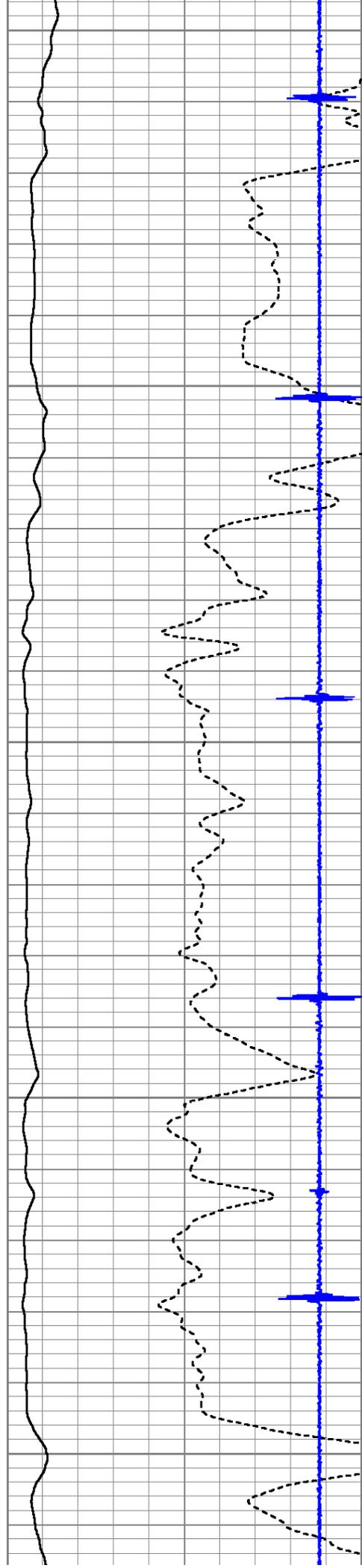
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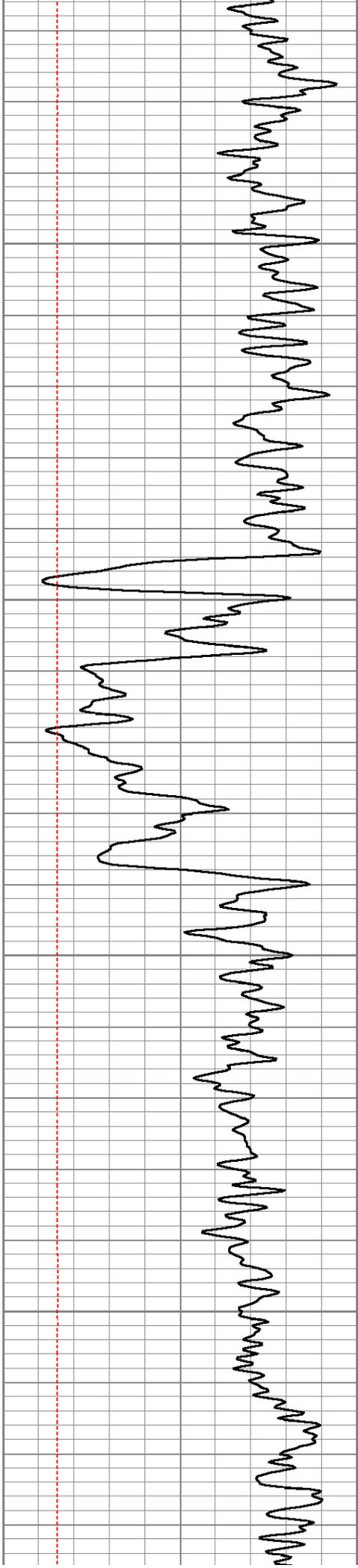
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1900

1950

2000



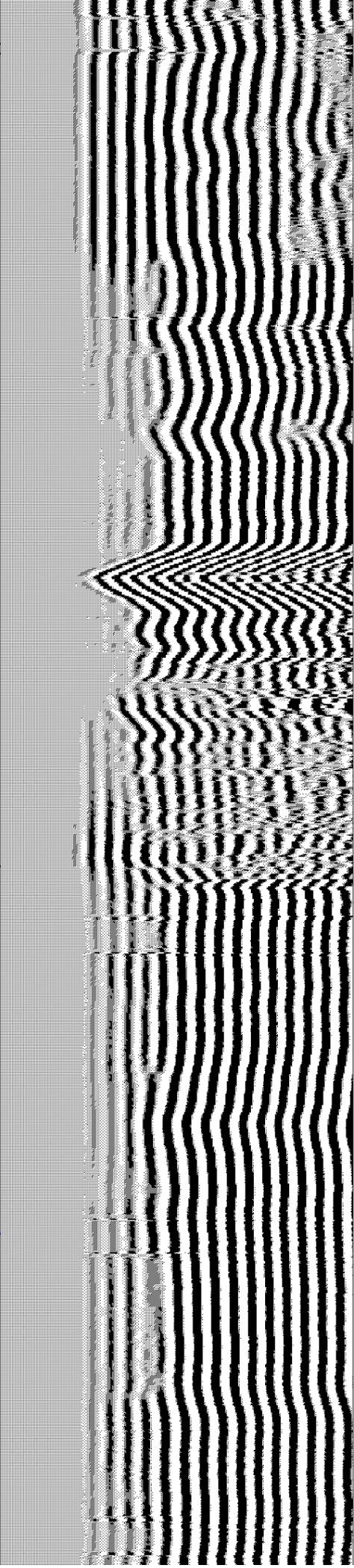
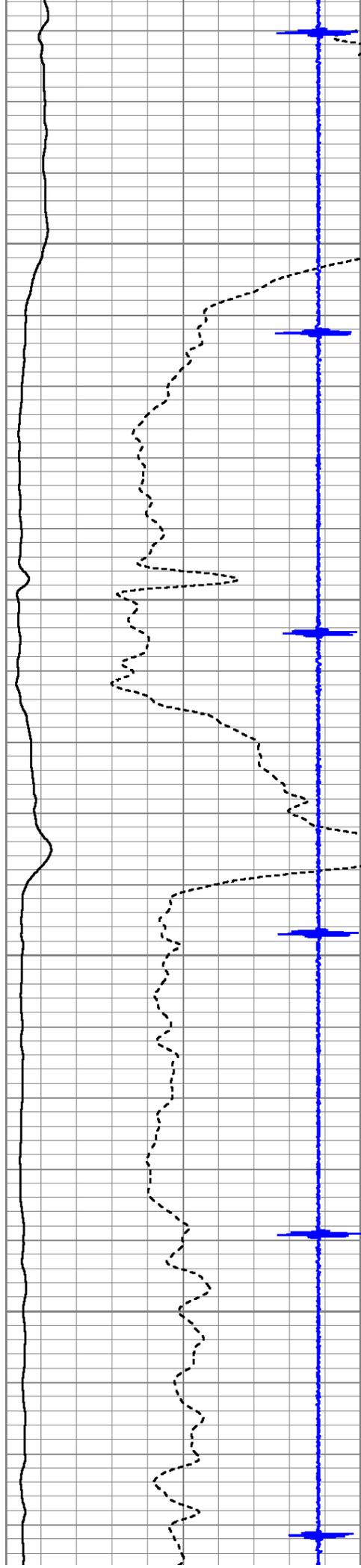


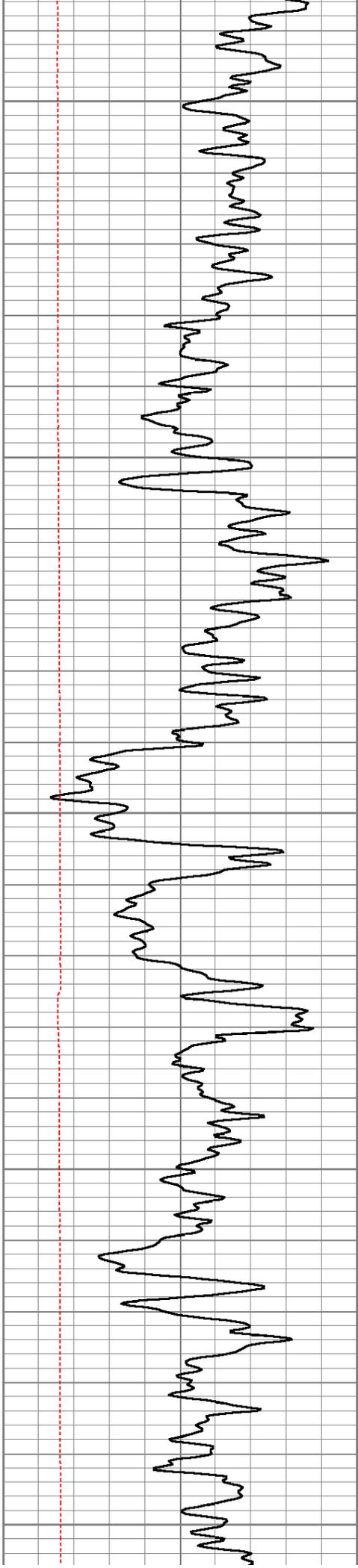
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2100

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2200





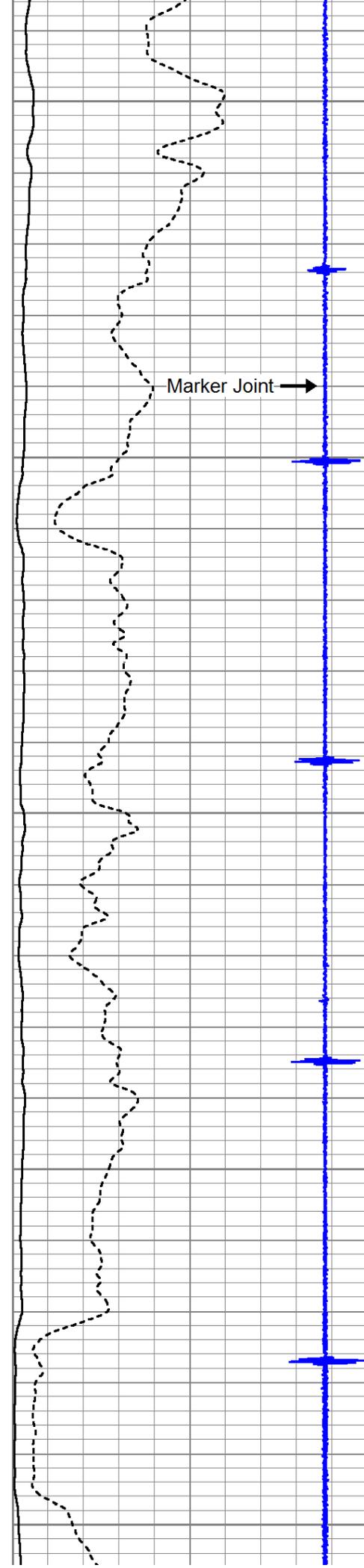
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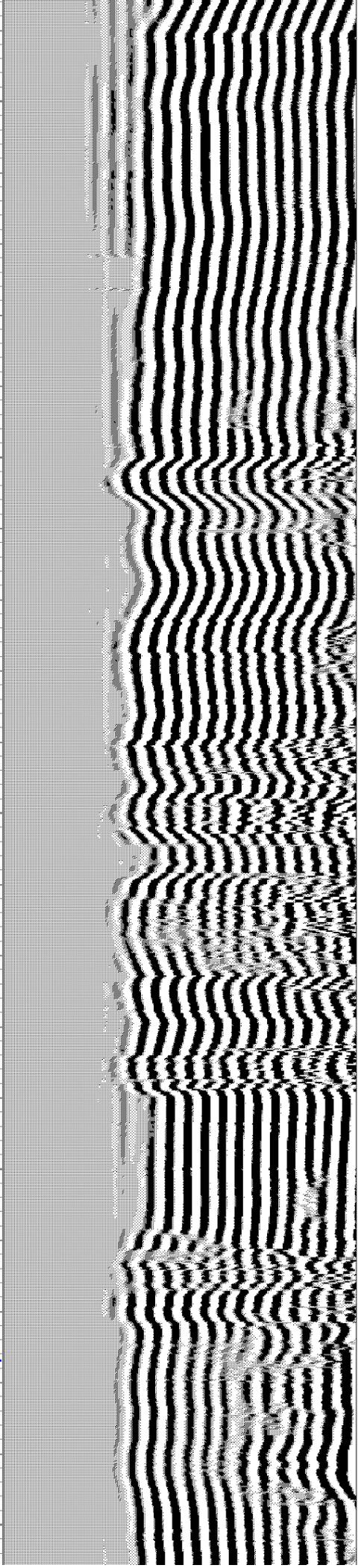
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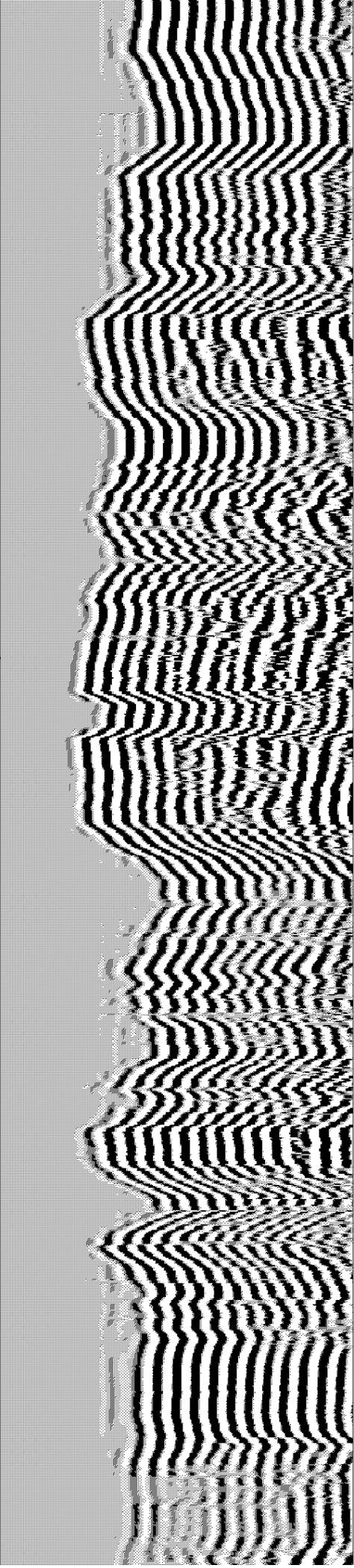
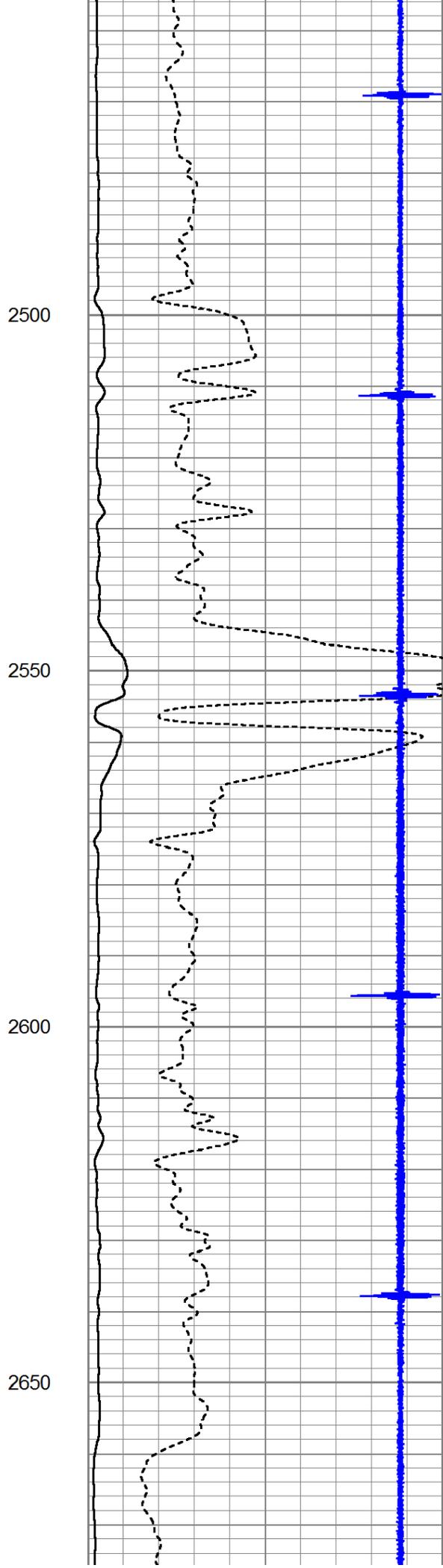
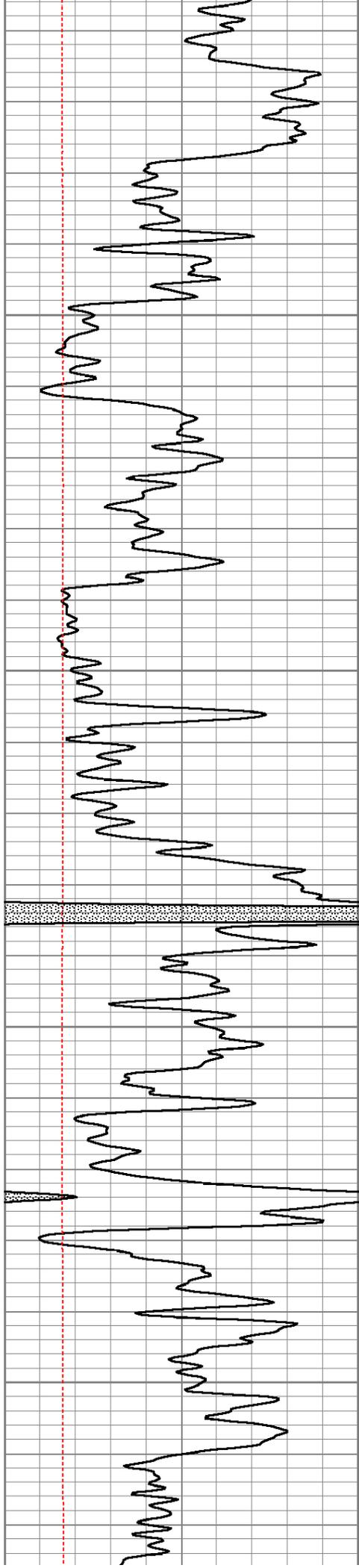
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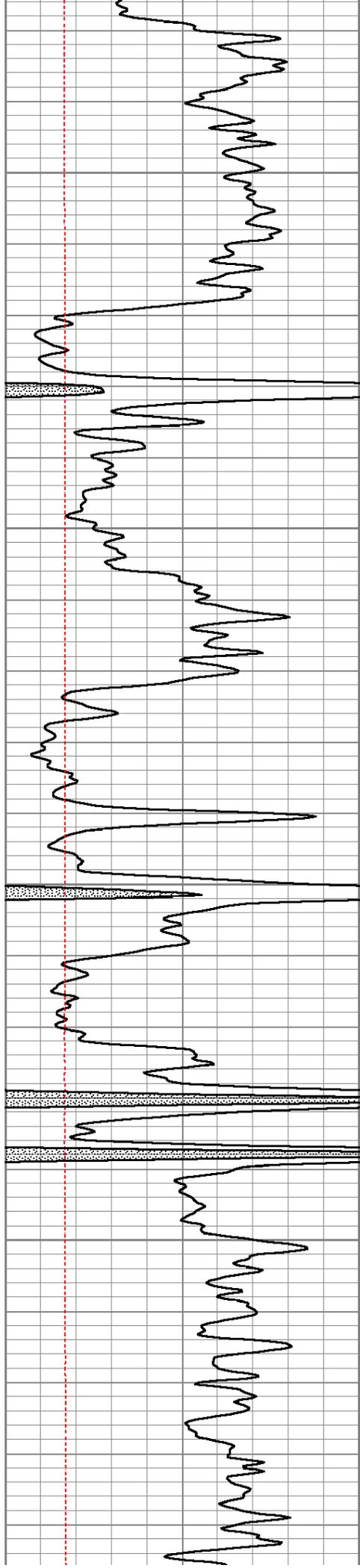
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Marker Joint →





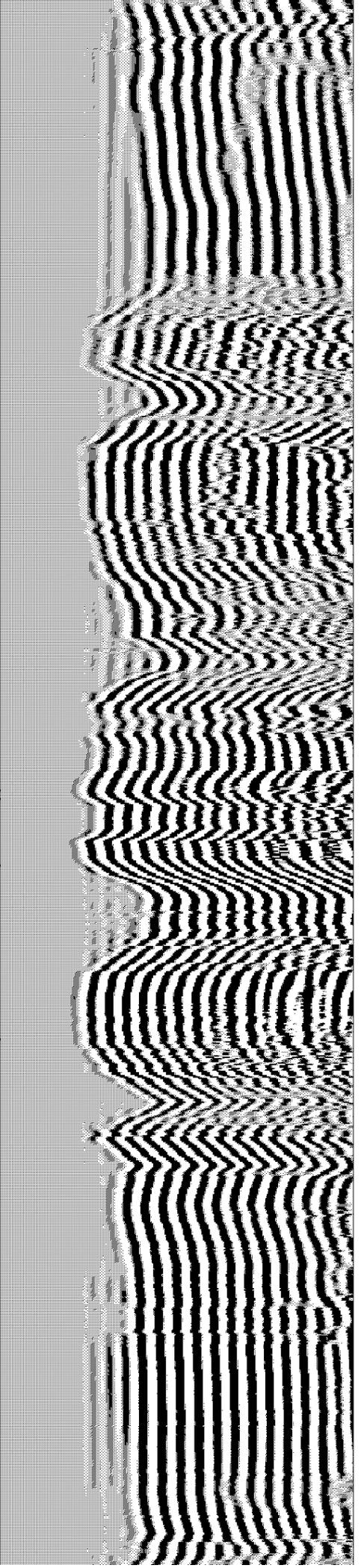
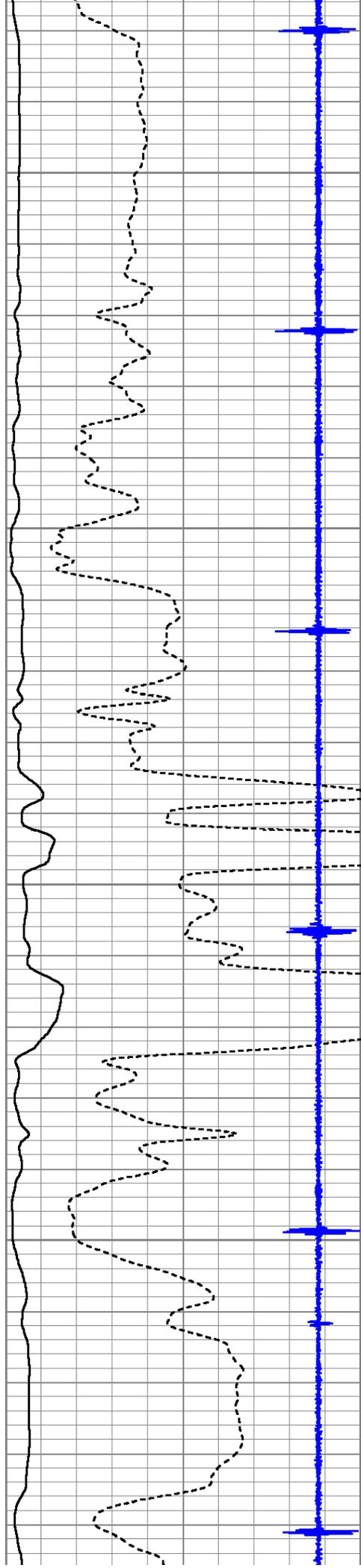


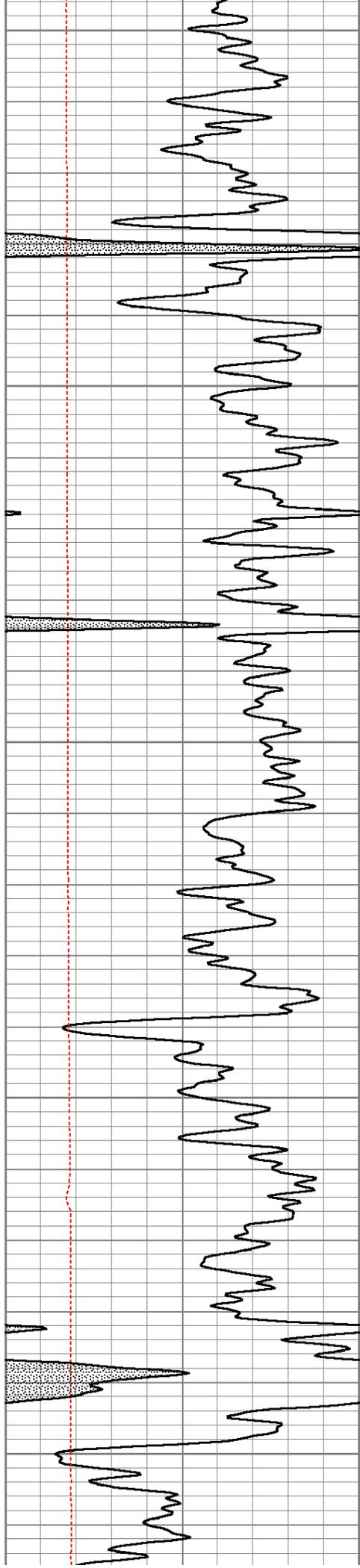
2700

2750

2800

2850





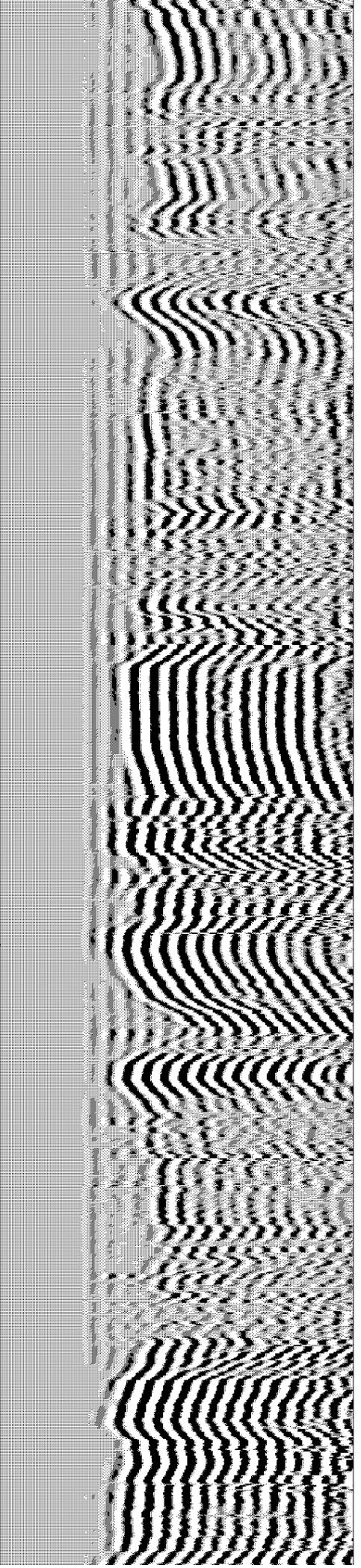
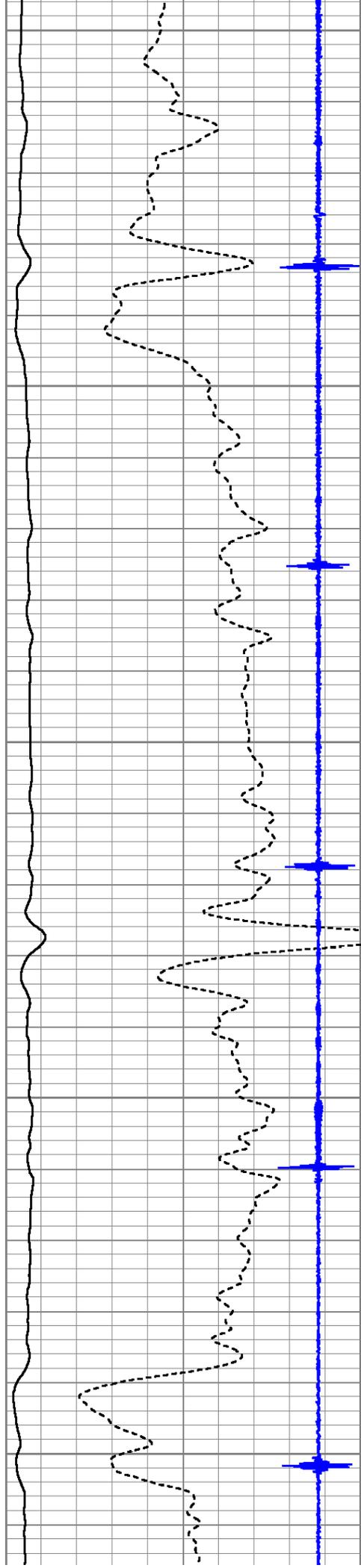
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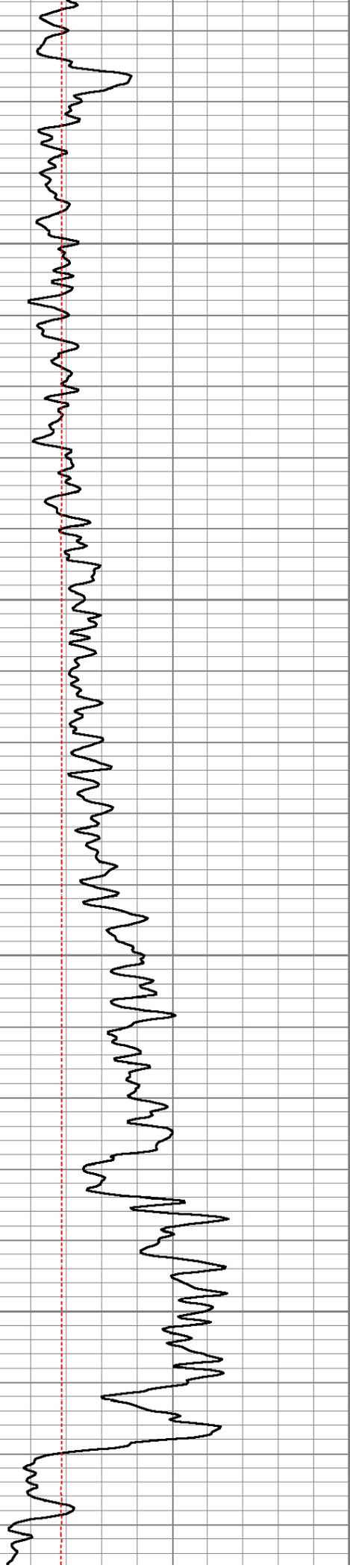
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3000

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3100



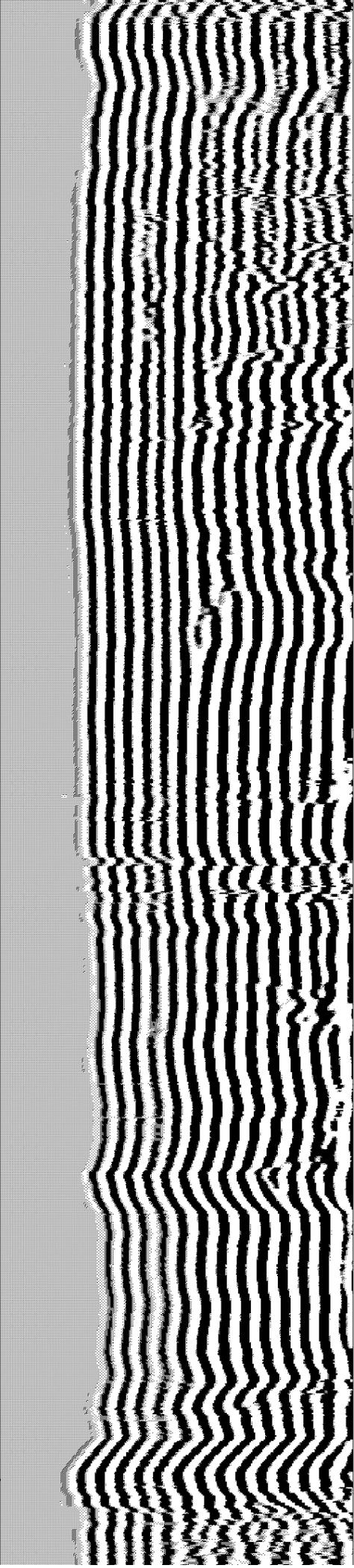
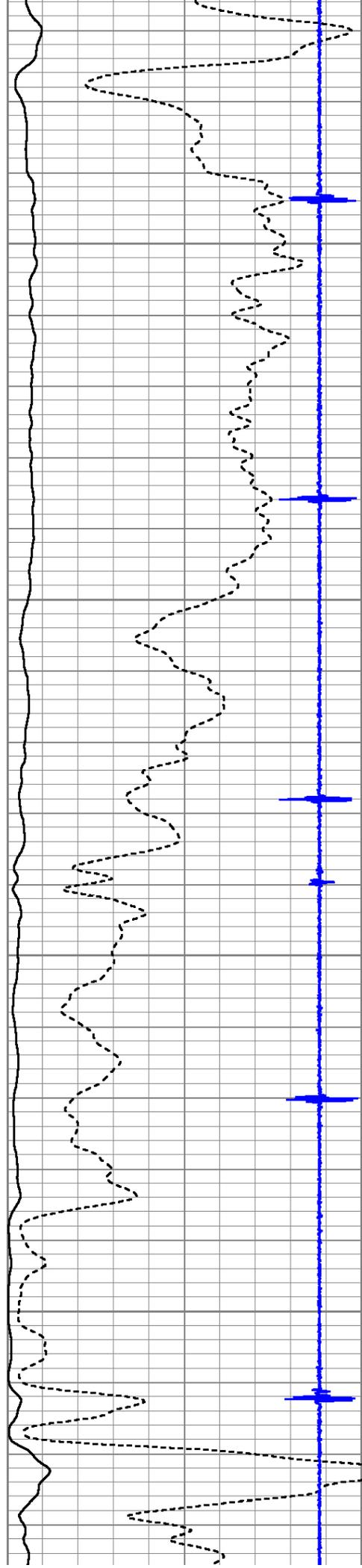


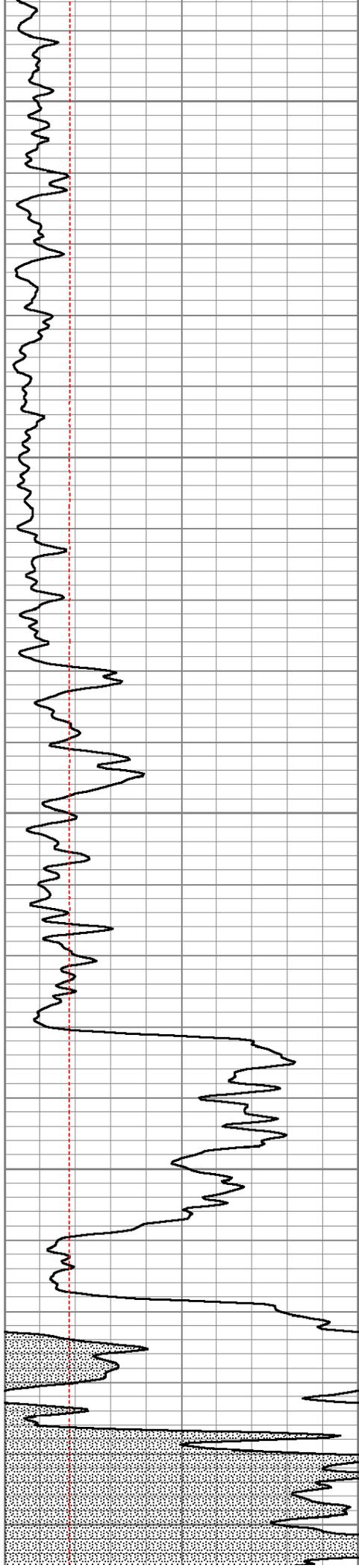
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3200

3250

3300





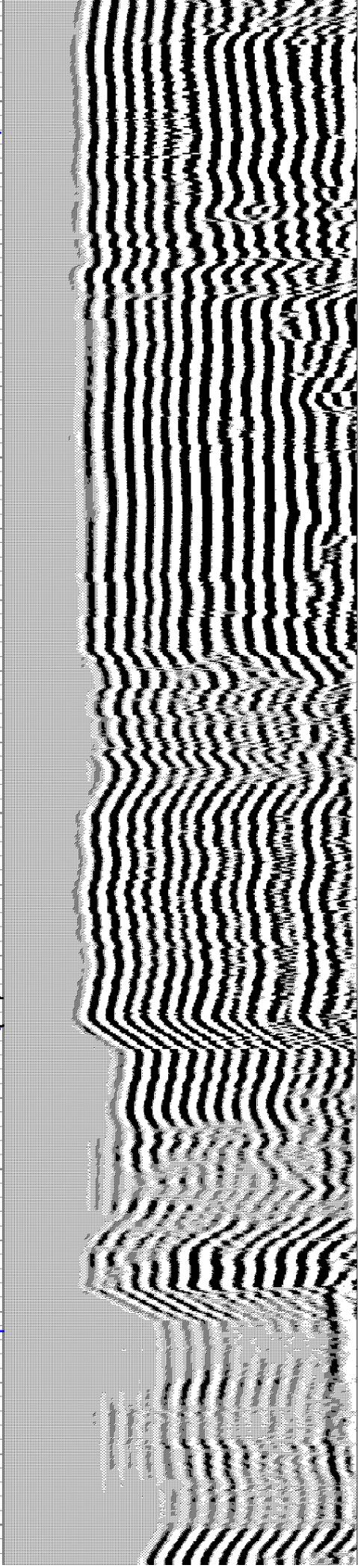
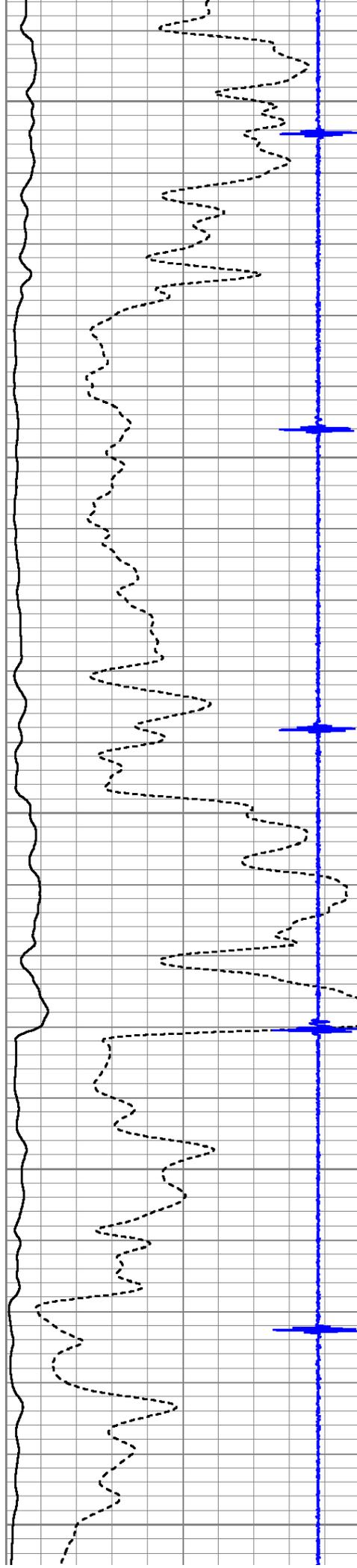
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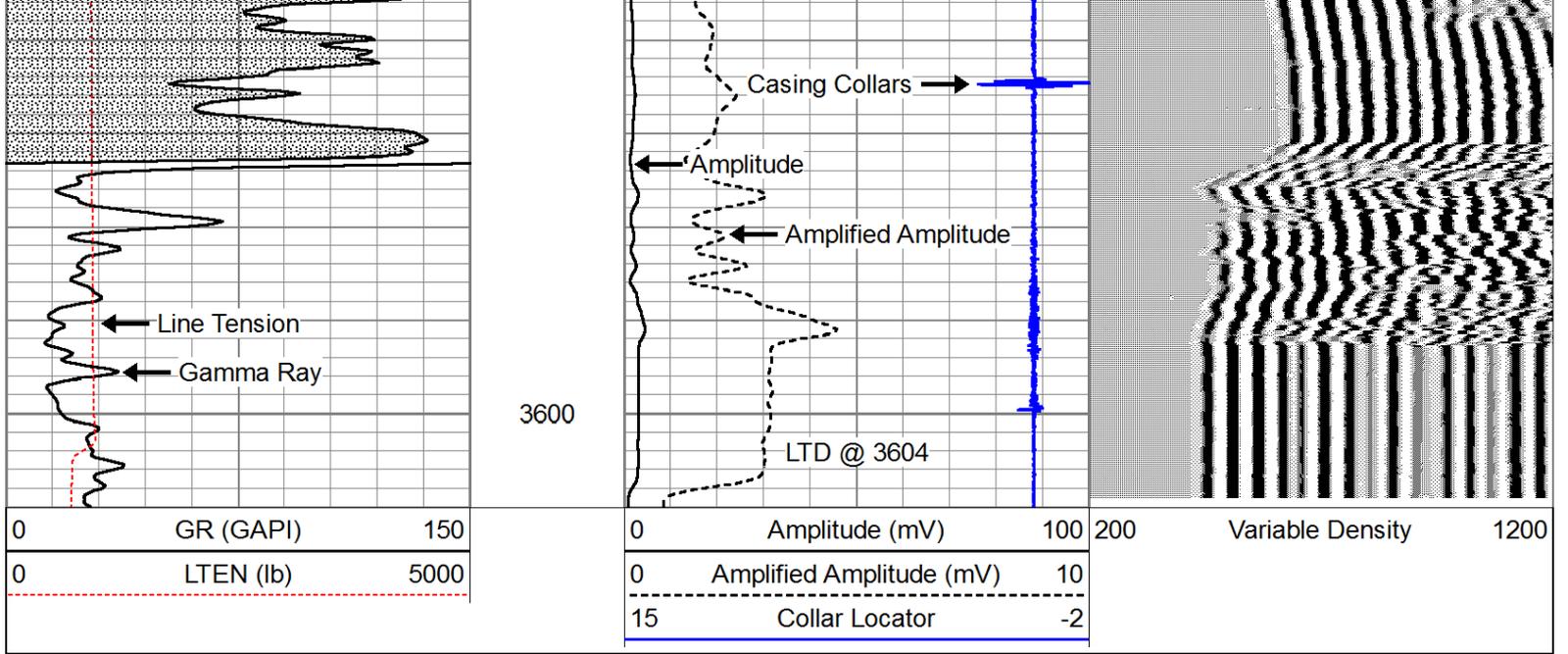
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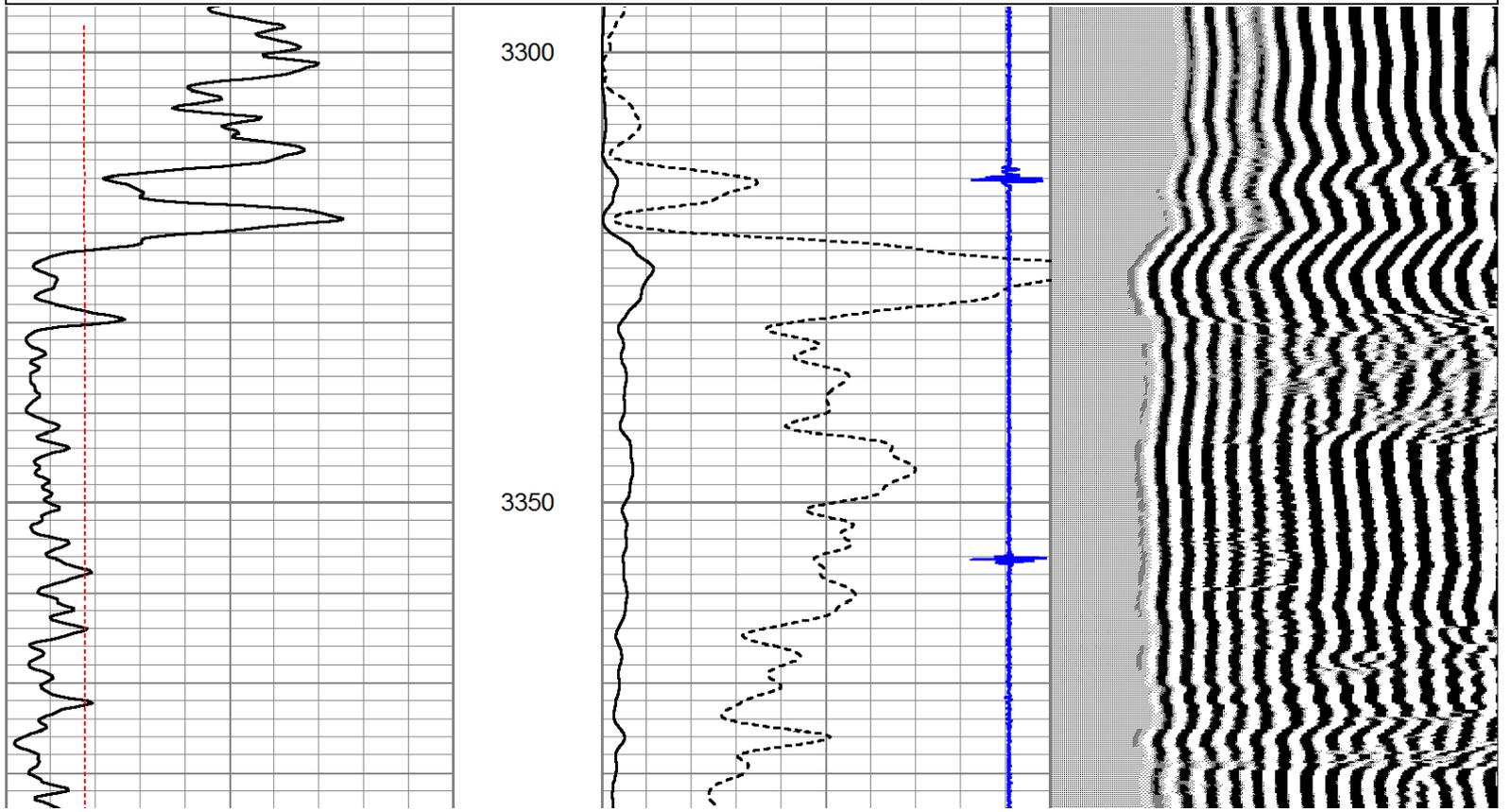


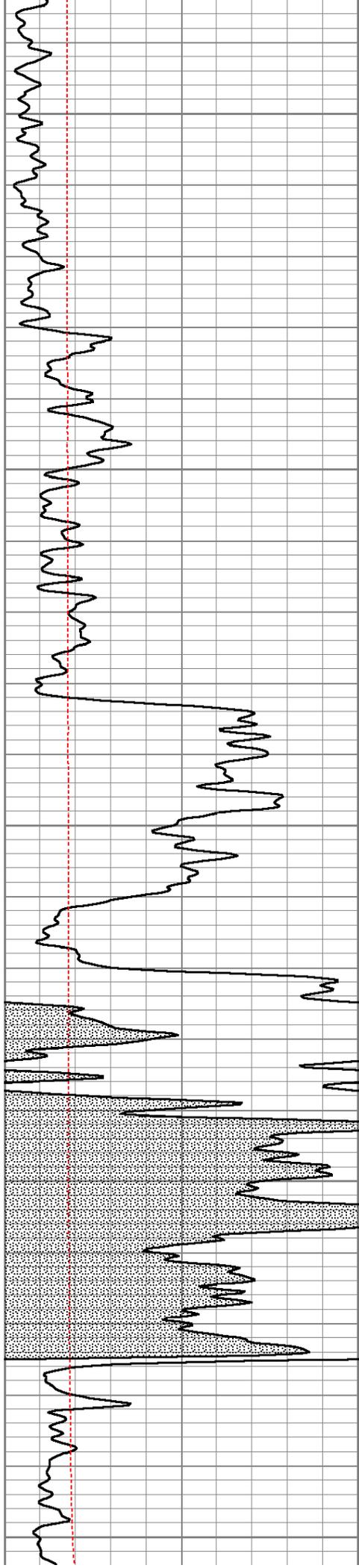


Repeat Section

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 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	0	Amplitude (mV)	100	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplified Amplitude (mV)	10			
			20	Collar Locator	-2			





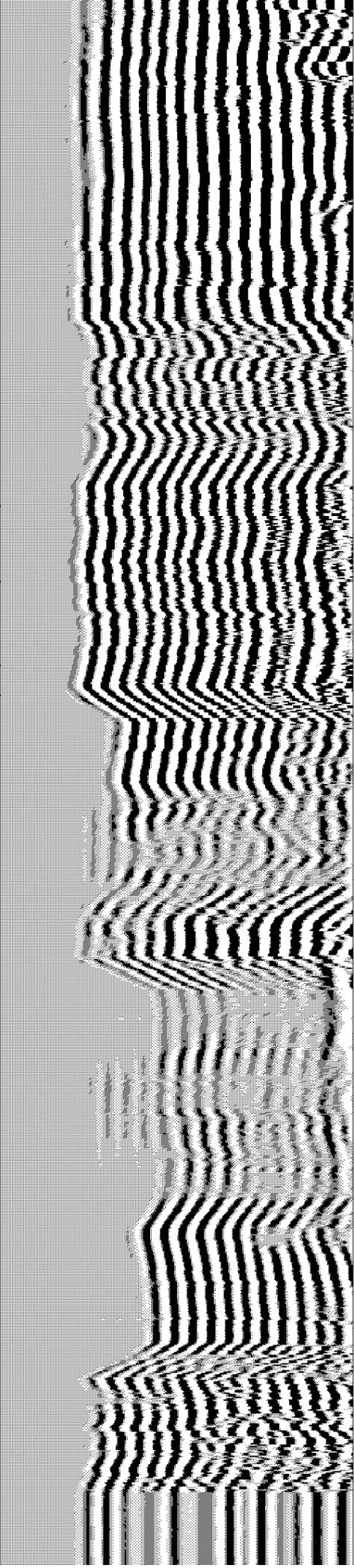
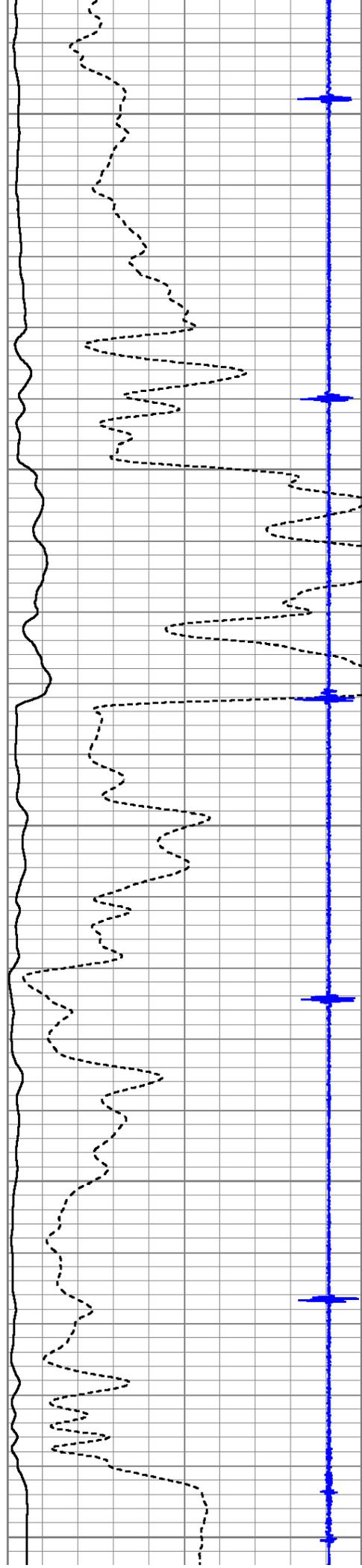
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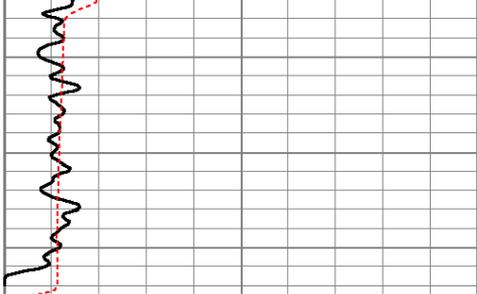
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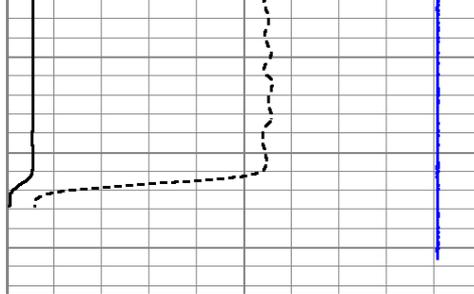
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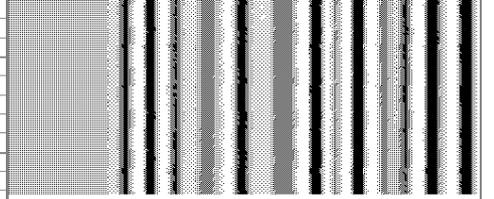




0	GR (GAPI)	150
0	LTEN (lb)	5000



0	Amplitude (mV)	100
0	Amplified Amplitude (mV)	10
20	Collar Locator	-2



200	Variable Density	1200
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