



Sonic Cement Bond Log

(785) 625-3858

API No.

15-055-22149-00-00

Company Hartman Oil Company

Well L. Maune No. 6

Field Finnup NW

County Finney State Kansas

Location

330' FNL & 990' FEL

Other Services
Perforate

Sec: 30 Twp: 21S Rge: 33W

Permanent Datum Ground Level Elevation 2894

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 2903
D.F. 2902
G.L. 2894

Run Number

One

Date Survey

6/26/2012

Date Cementing

6/14/2012

Type Cementing Operation

Primary

Depth Driller

4830

Depth Logger

4772

Logged Interval

4770 to 1800

Casing Driller

5.5 @ T.D.

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

2300

Calculated Cement Top

|||||

Max. Hole Temperature

125

Tool No.

R-1

Spacing Recorded

3-5

Equipment -- Location

72 Hays

Recorded By

K. Ladigan

Witnessed By

Stan Mitchell

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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 Log-Tech (785) 625-3858

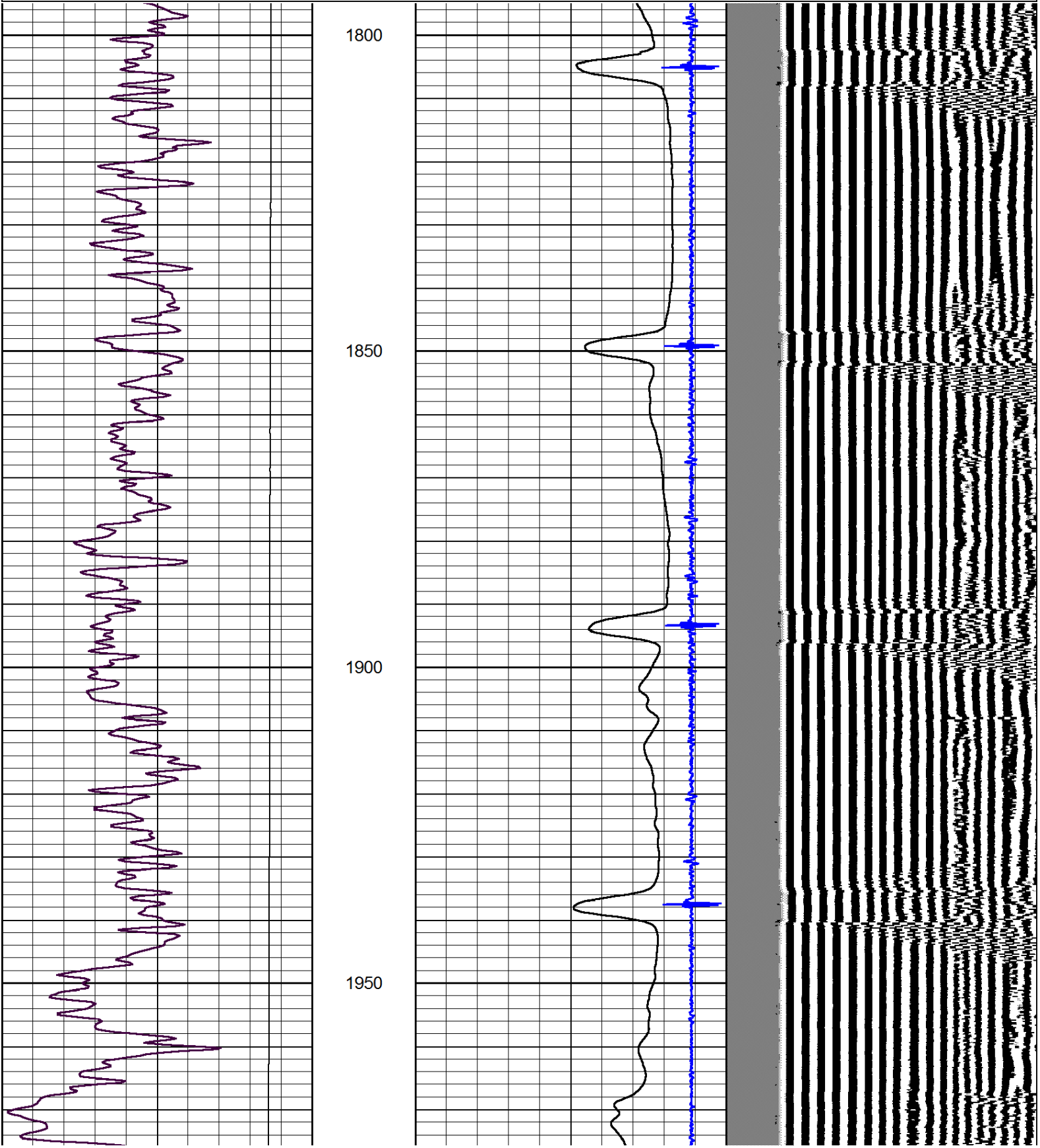
Scott City, KS., South to Gano Road,
West to Big Low Road, .5 North
West Into.

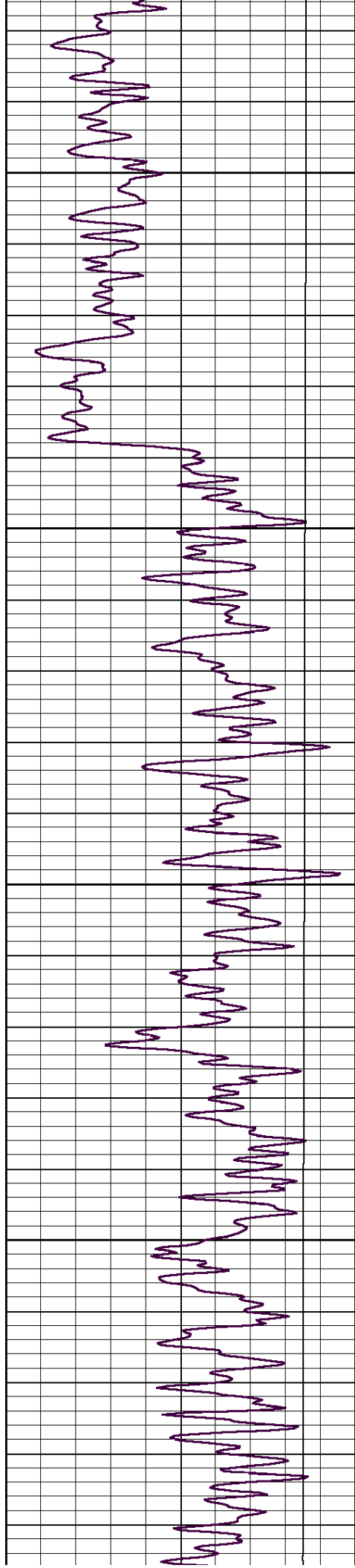


Main Pass

Database File: hartman_Imaune6.db
Dataset Pathname: LMaune6/grcbl/pass4.1
Presentation Format: cbldr
Dataset Creation: Tue Jun 26 14:50:03 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	8	Casing Collars	-1	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			



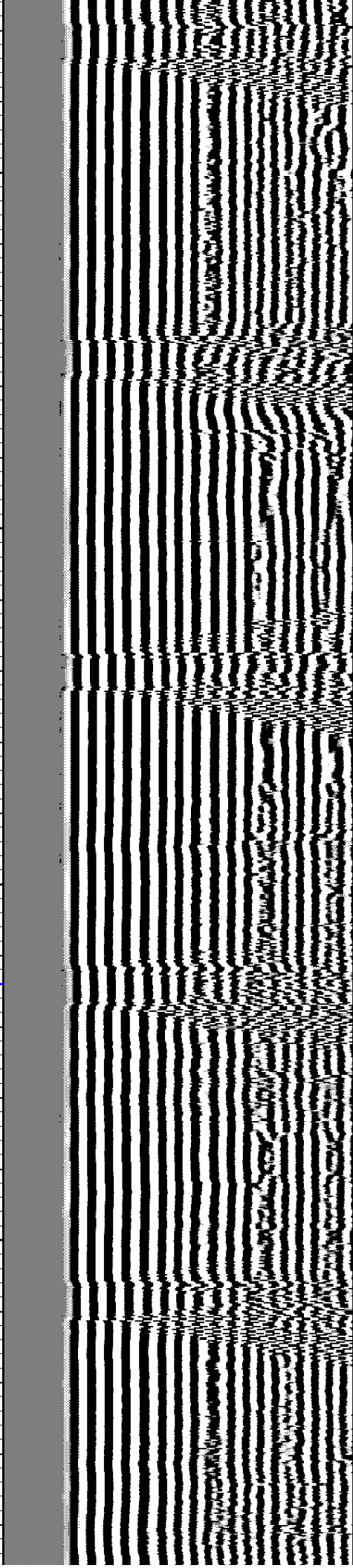
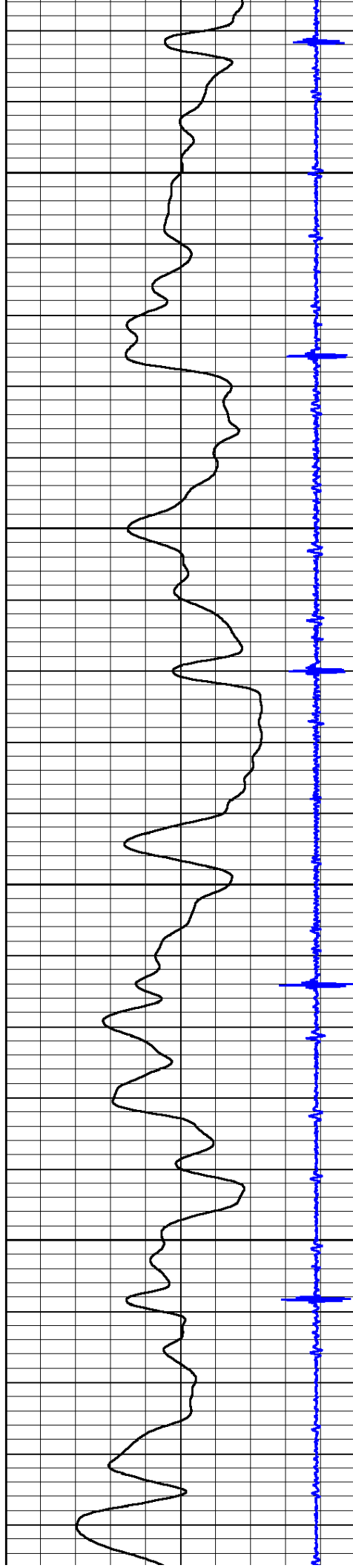


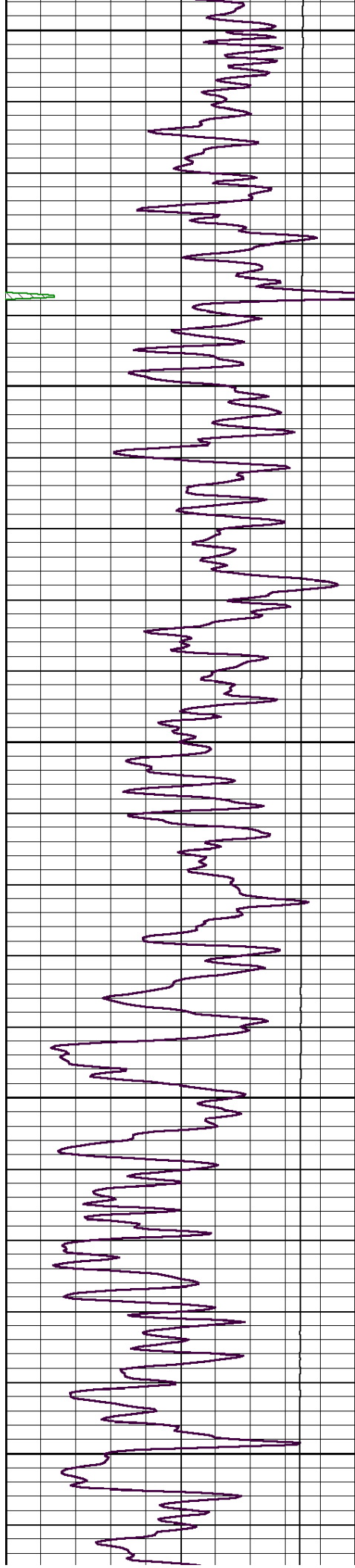
2000

2050

2100

2150





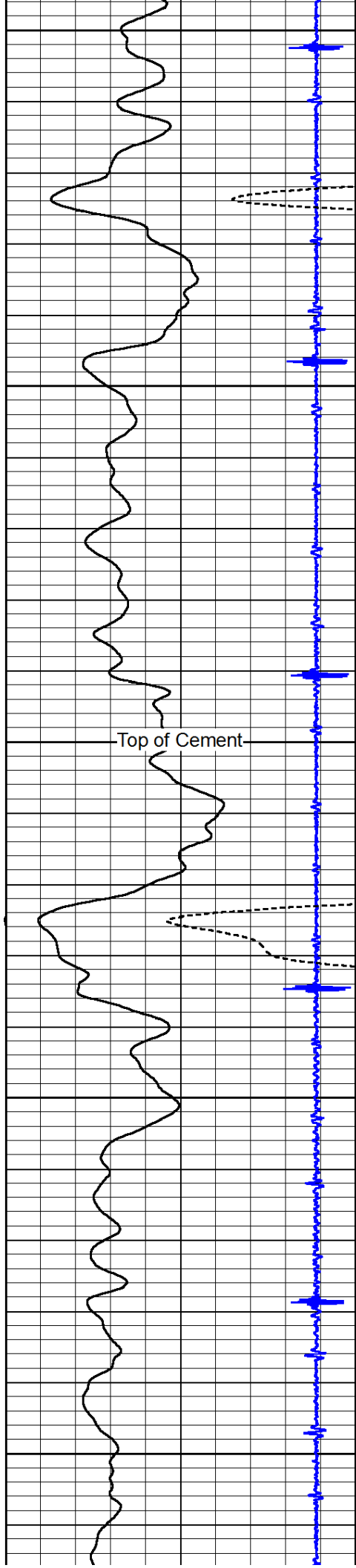
2200

2250

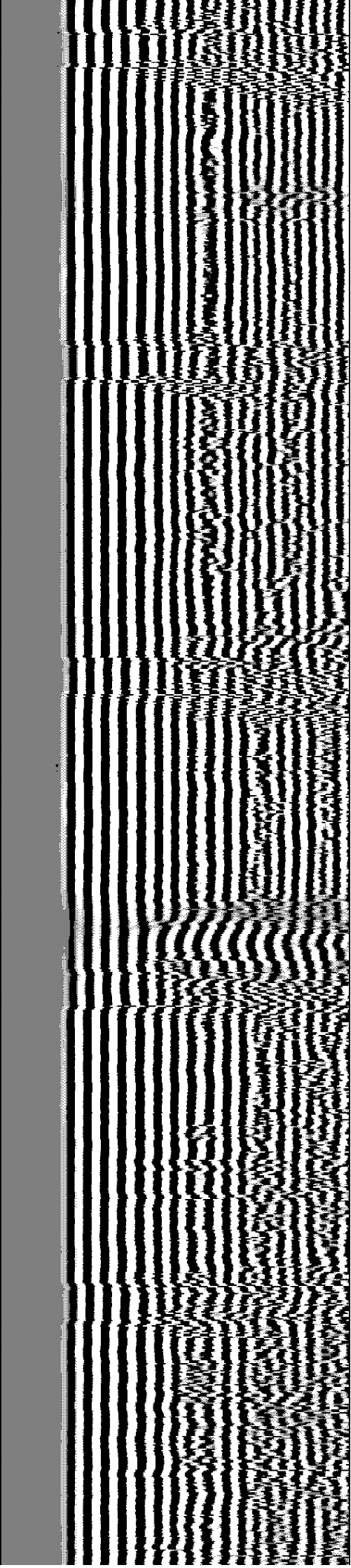
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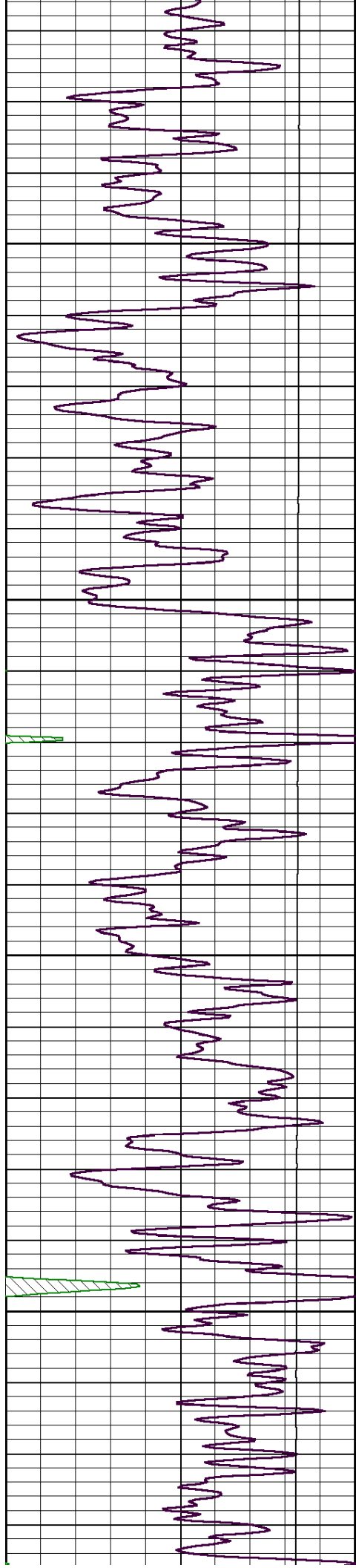
2350

2400



Top of Cement



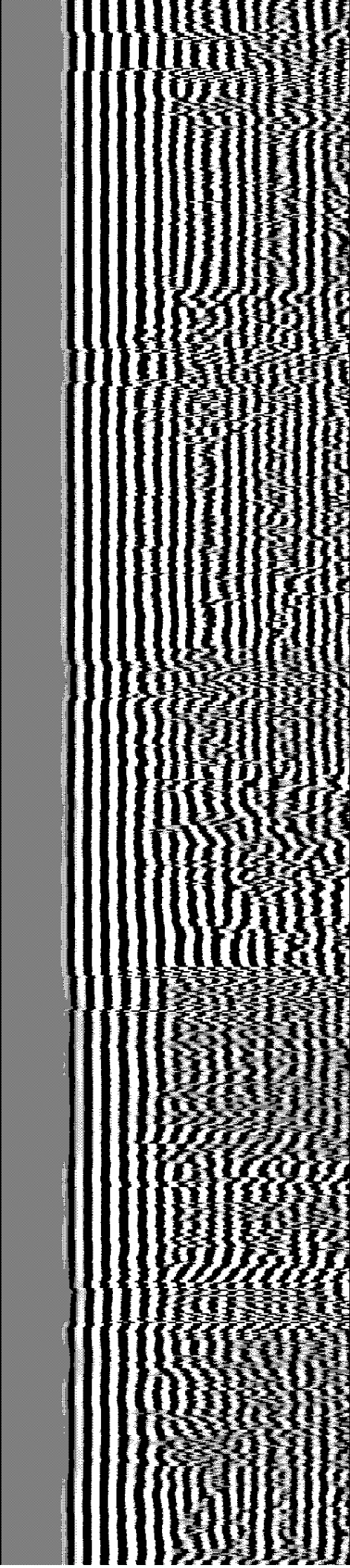
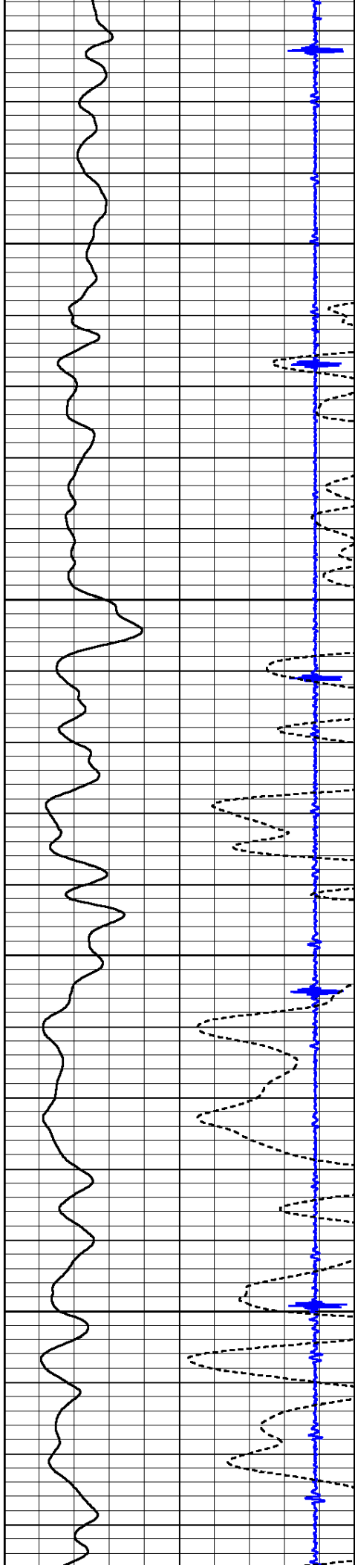


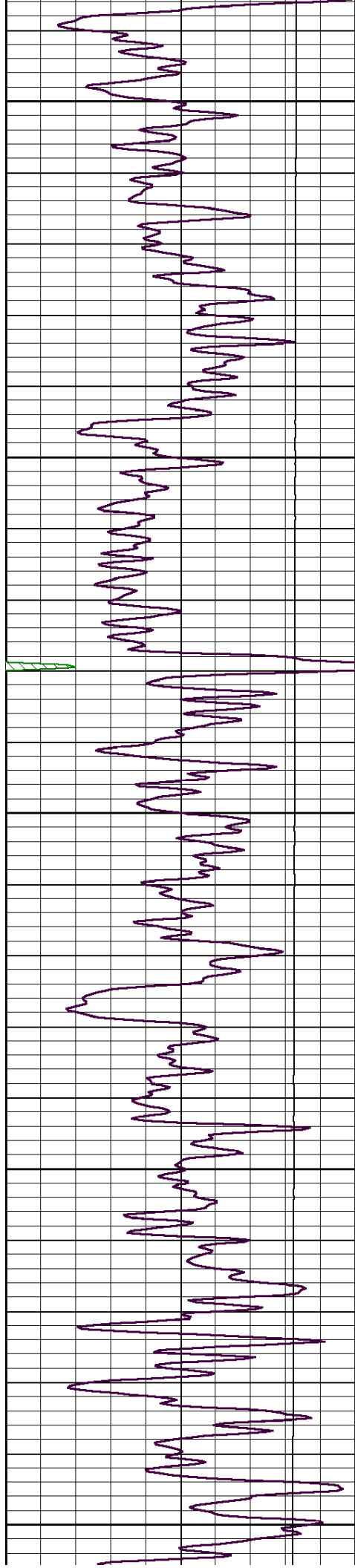
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2500

2550

2600





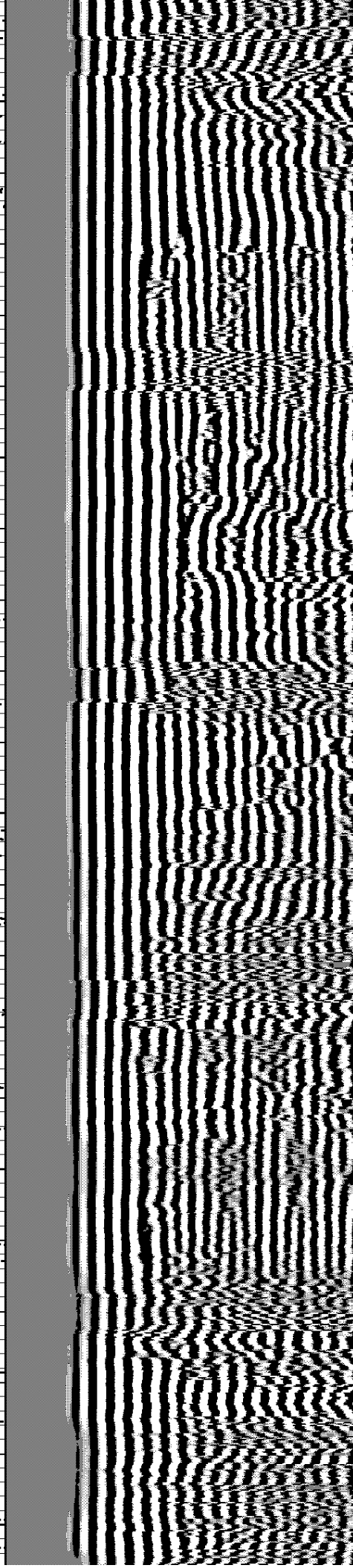
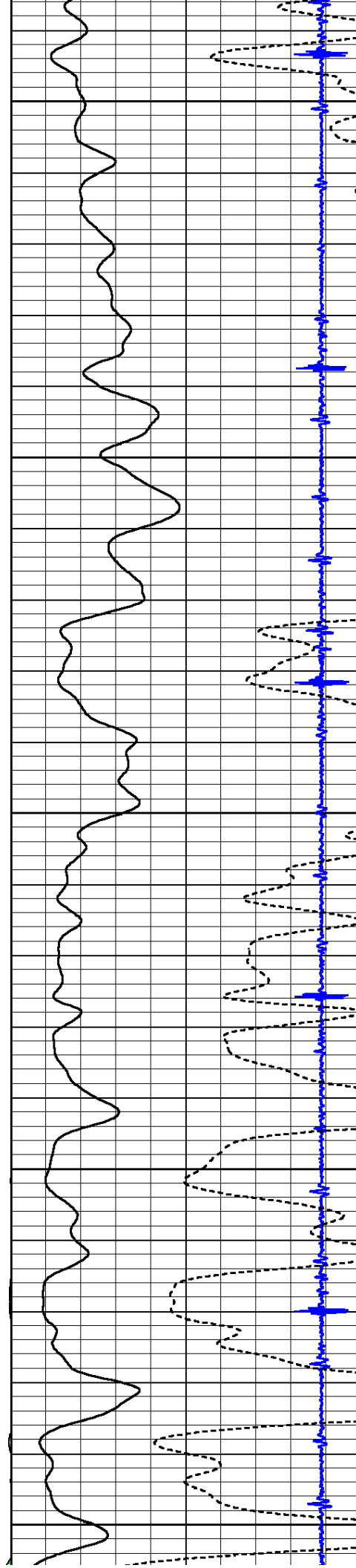
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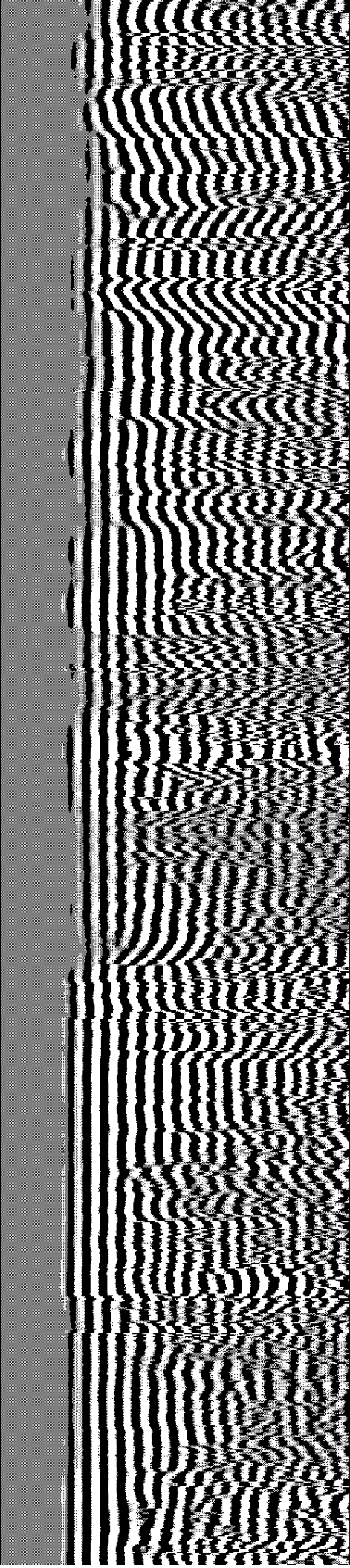
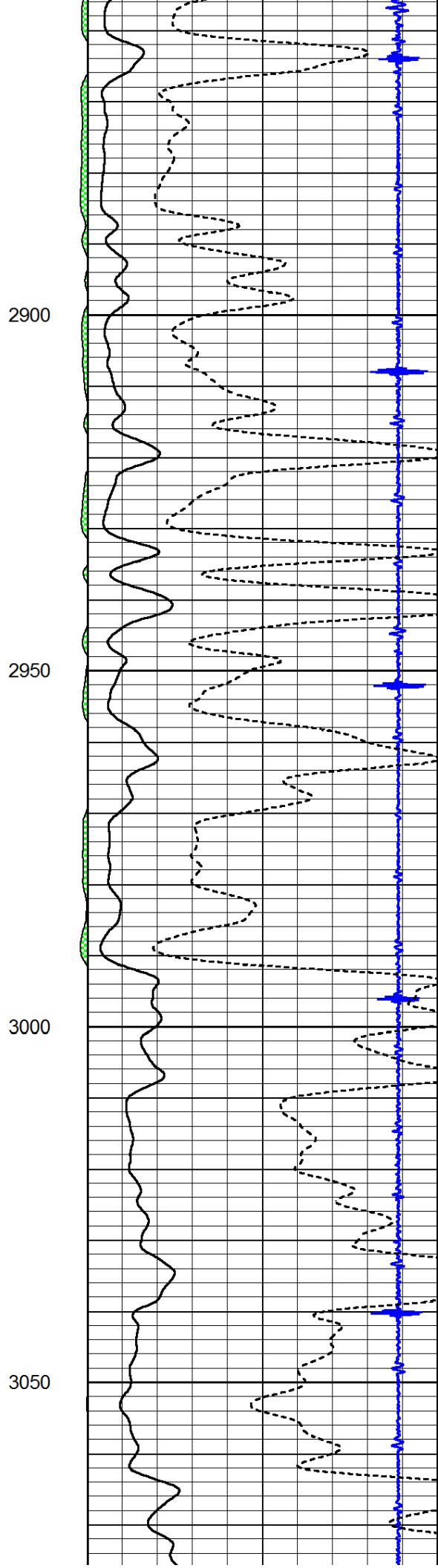
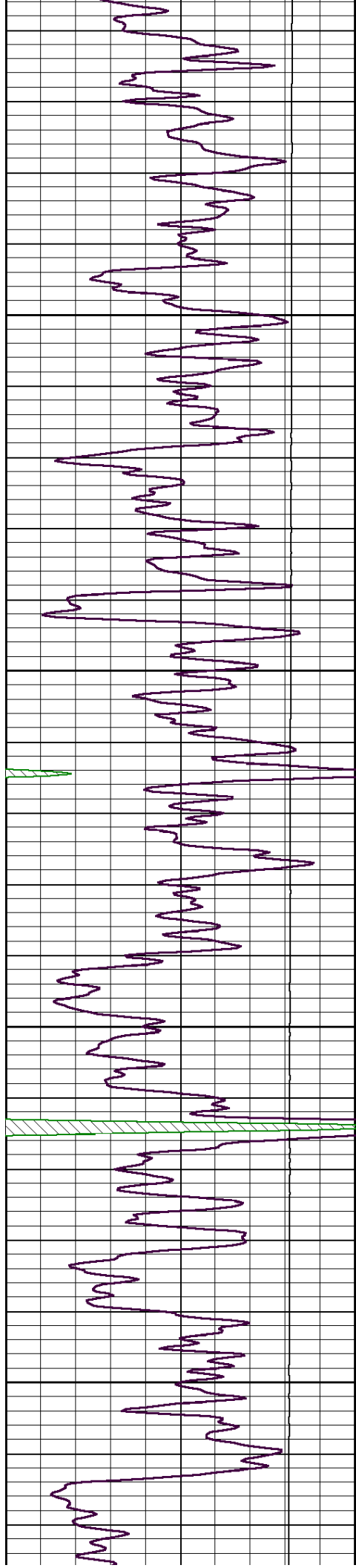
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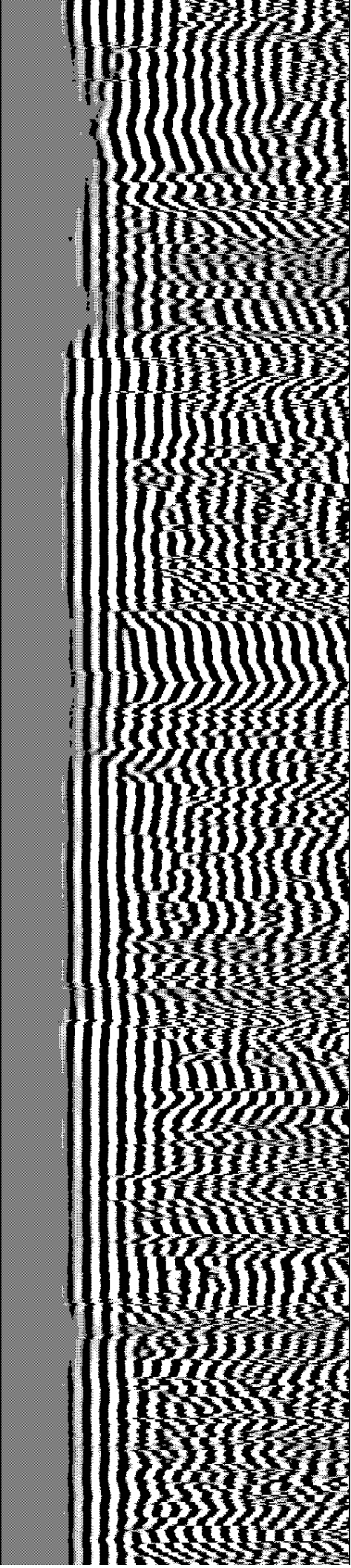
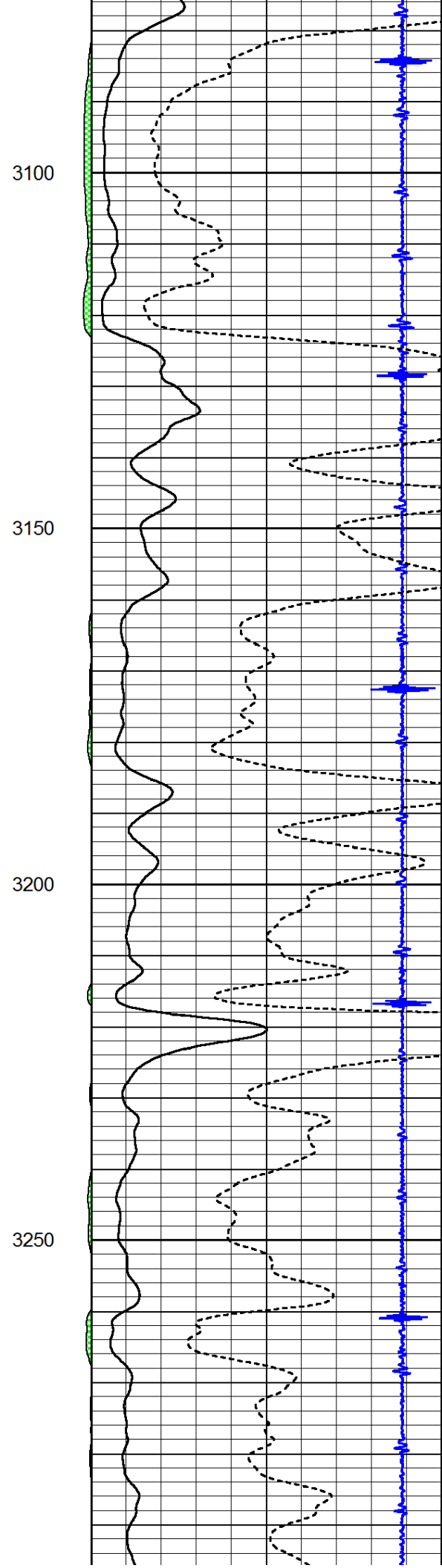
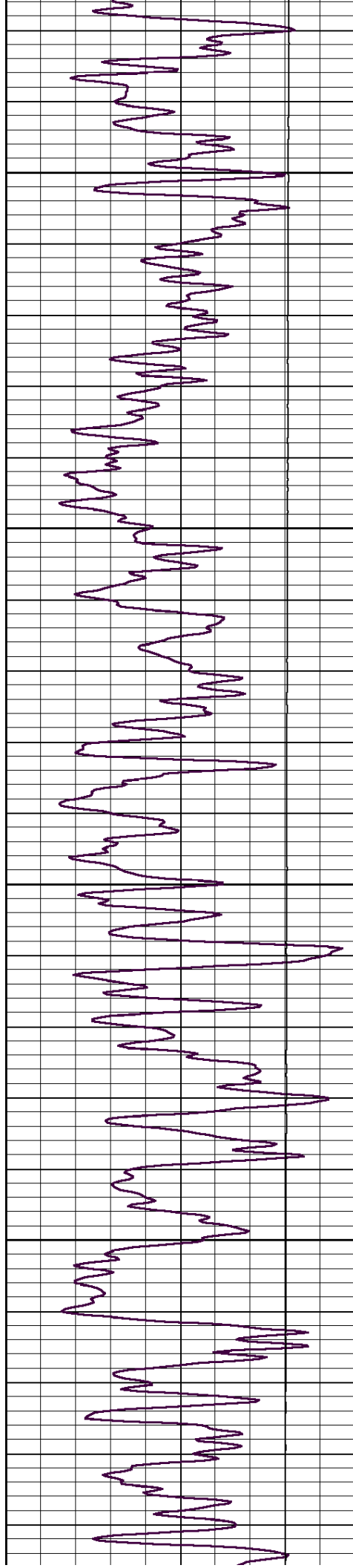
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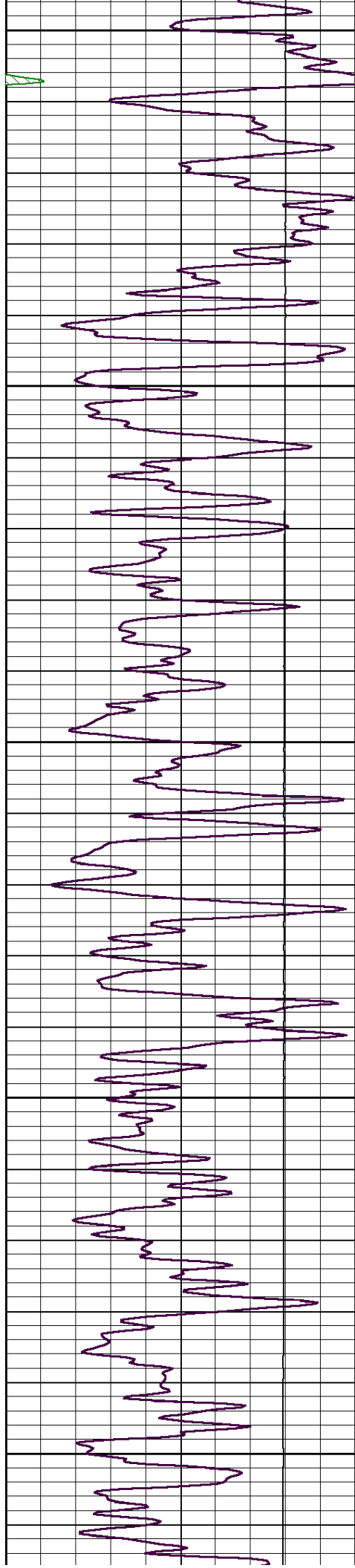
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2850









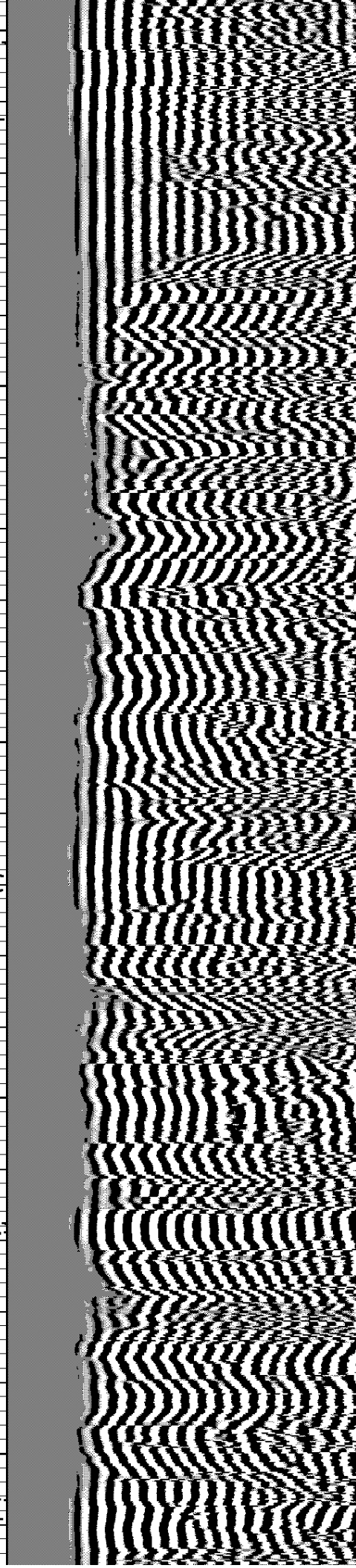
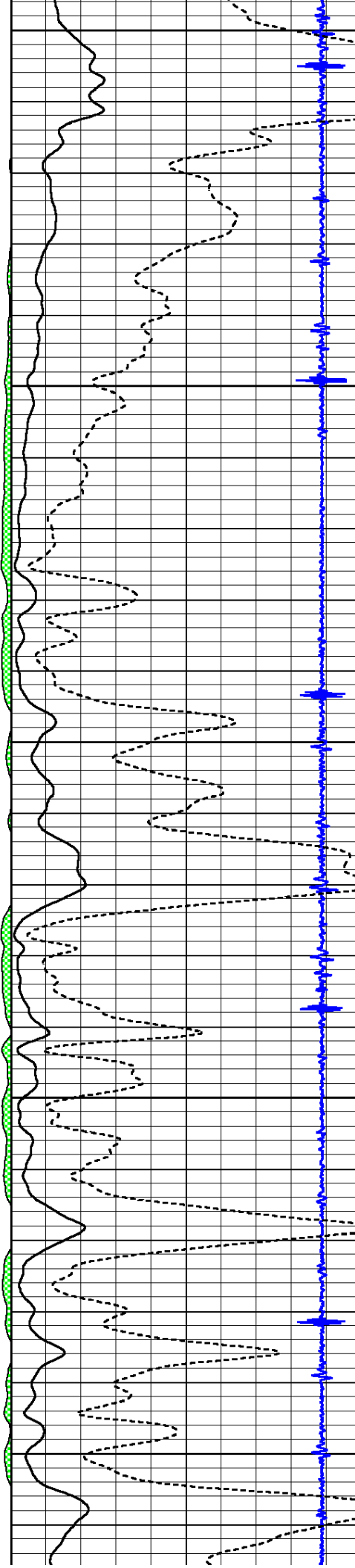
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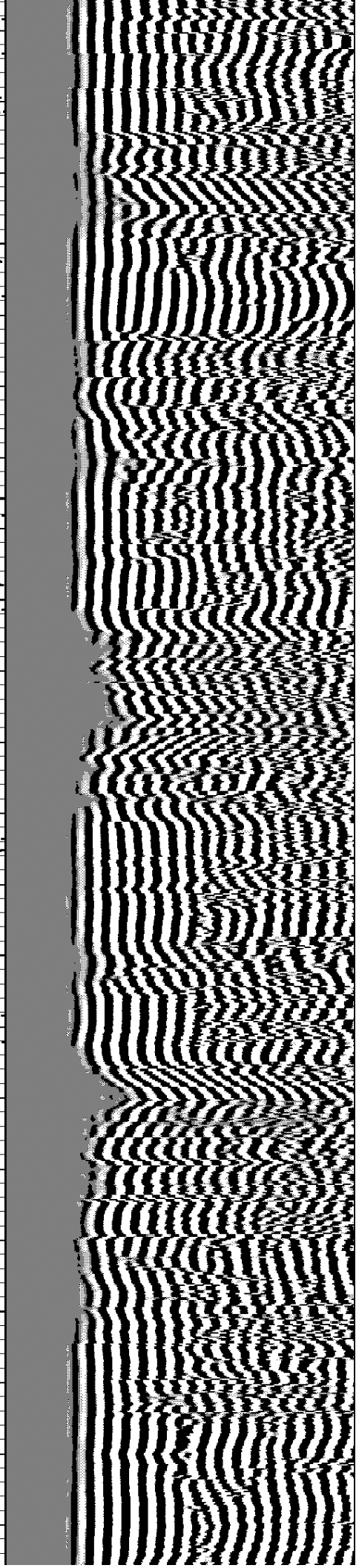
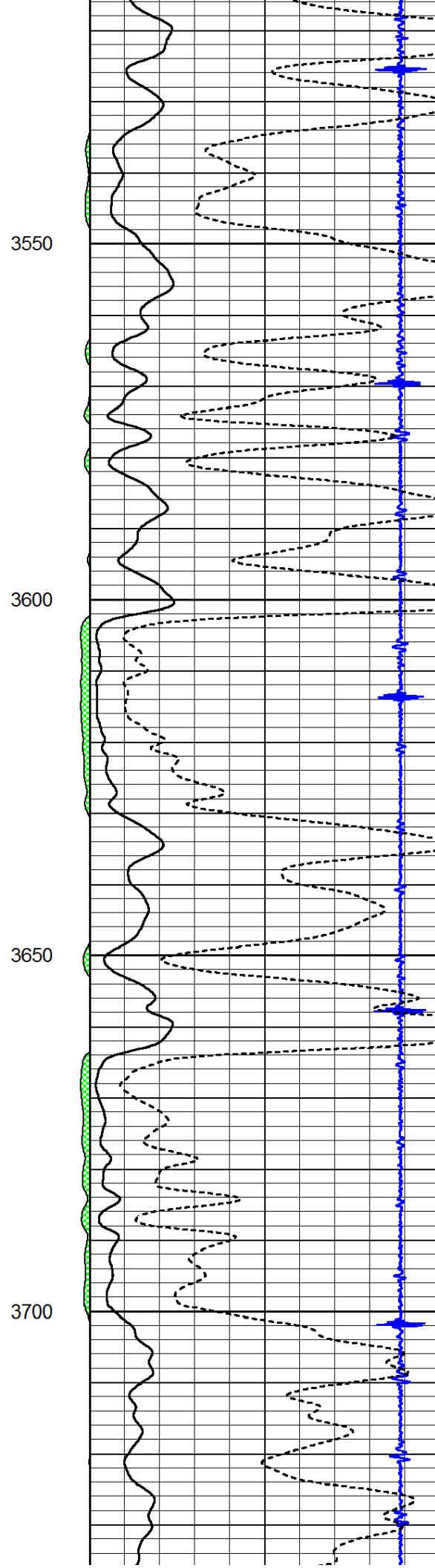
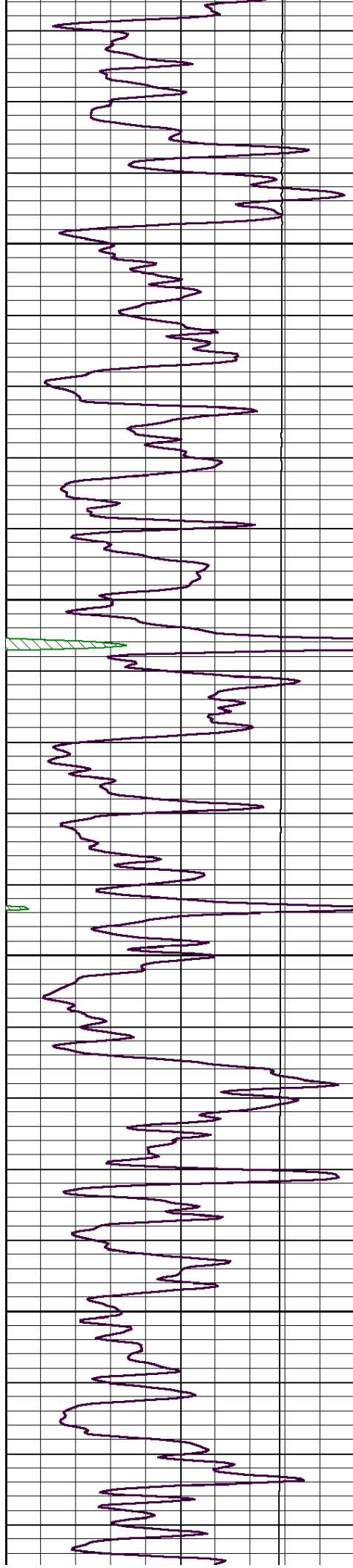
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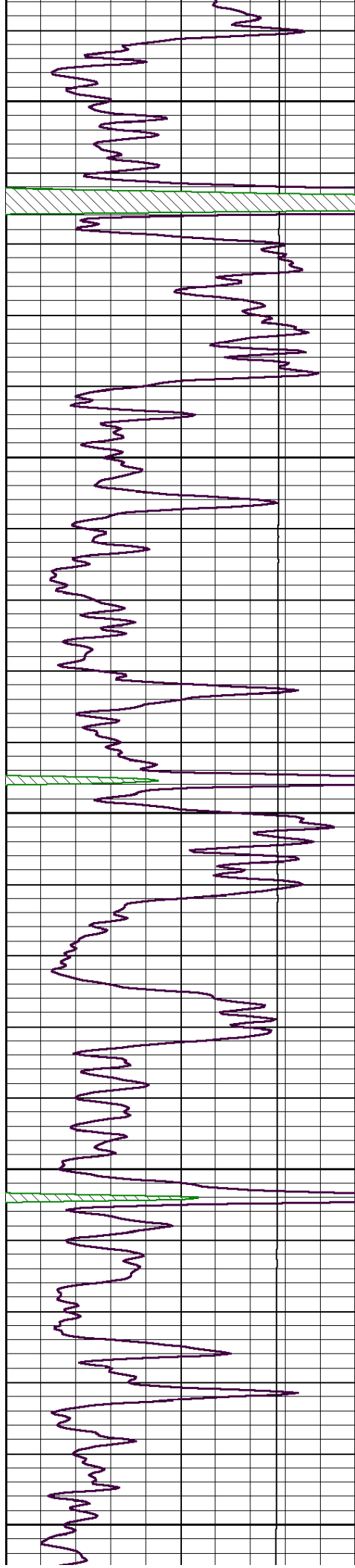
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3500







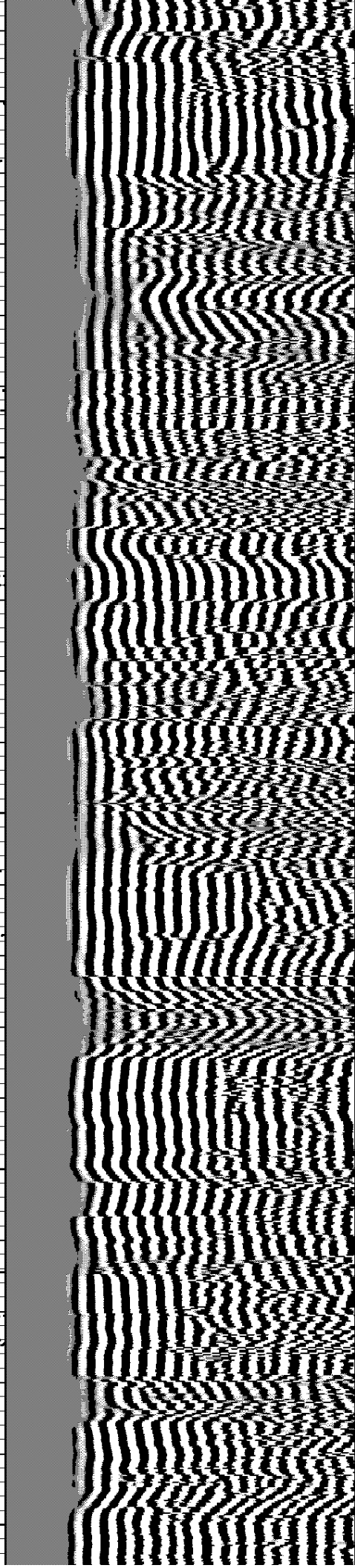
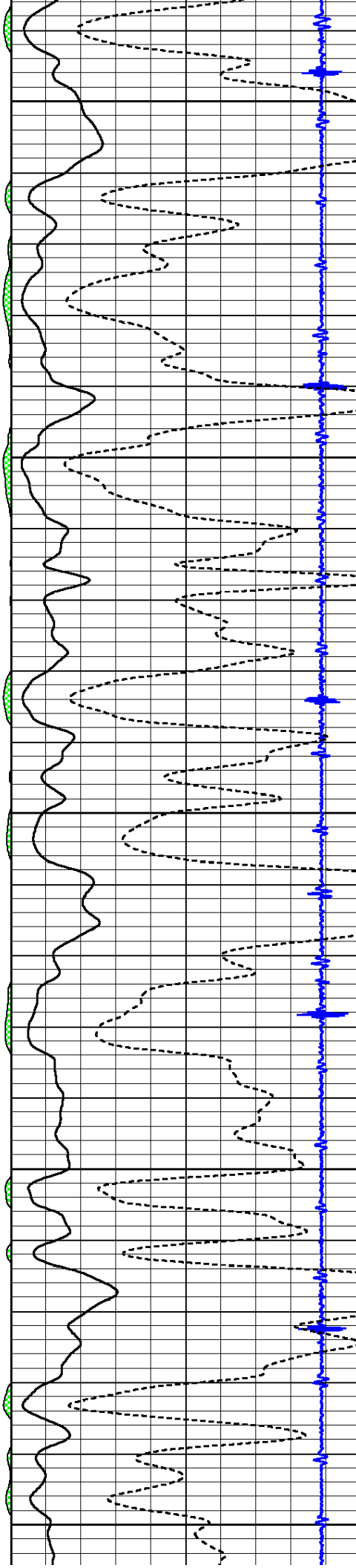
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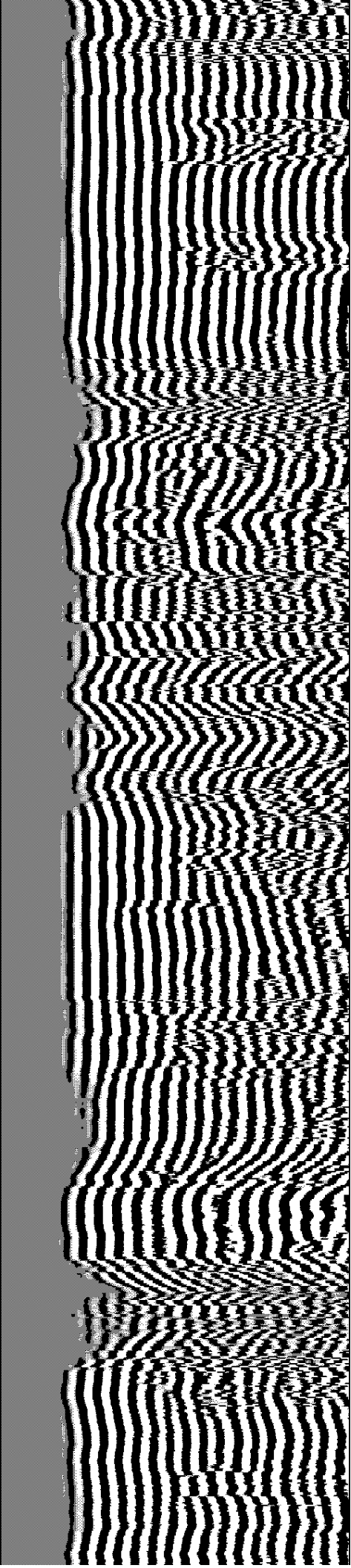
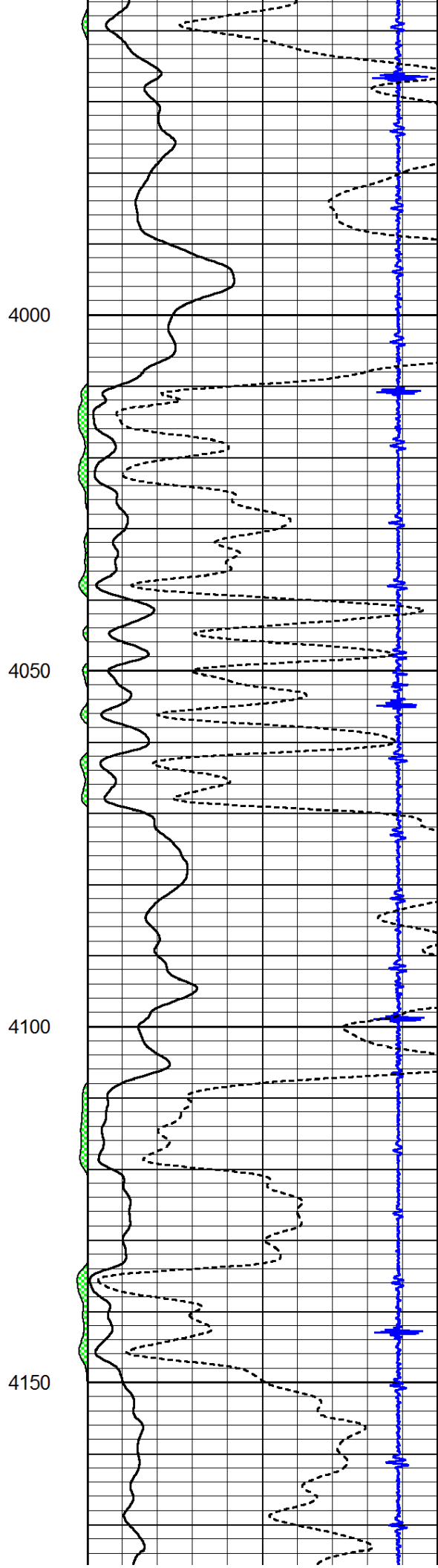
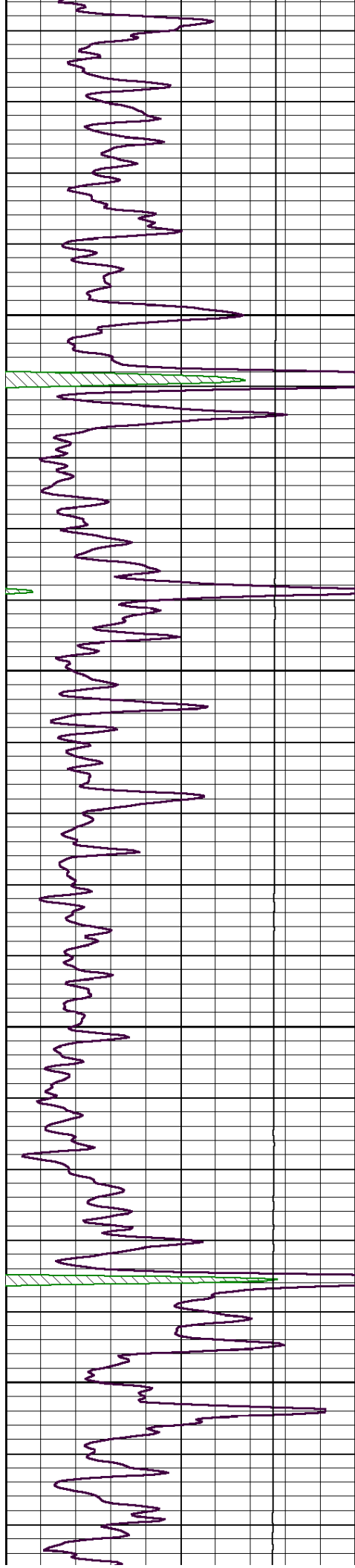
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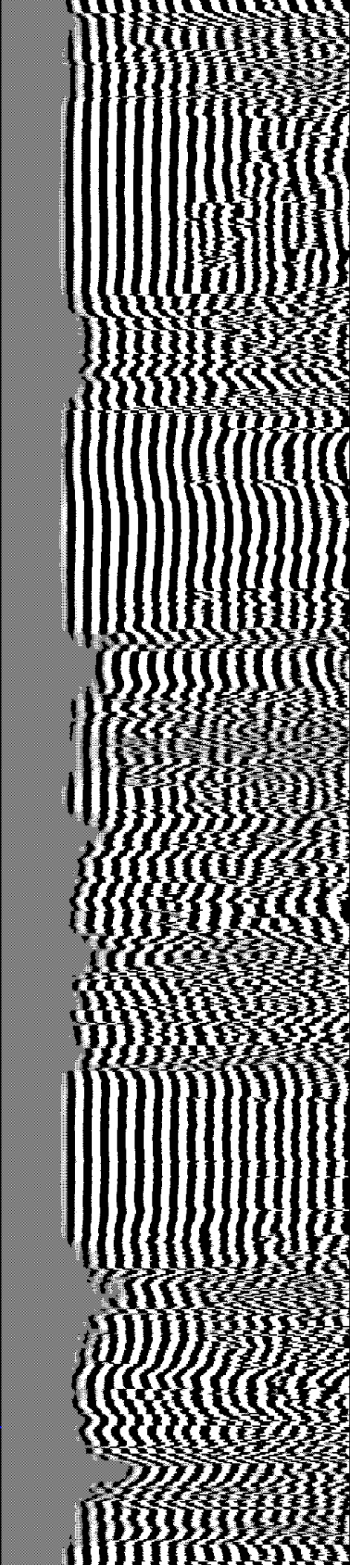
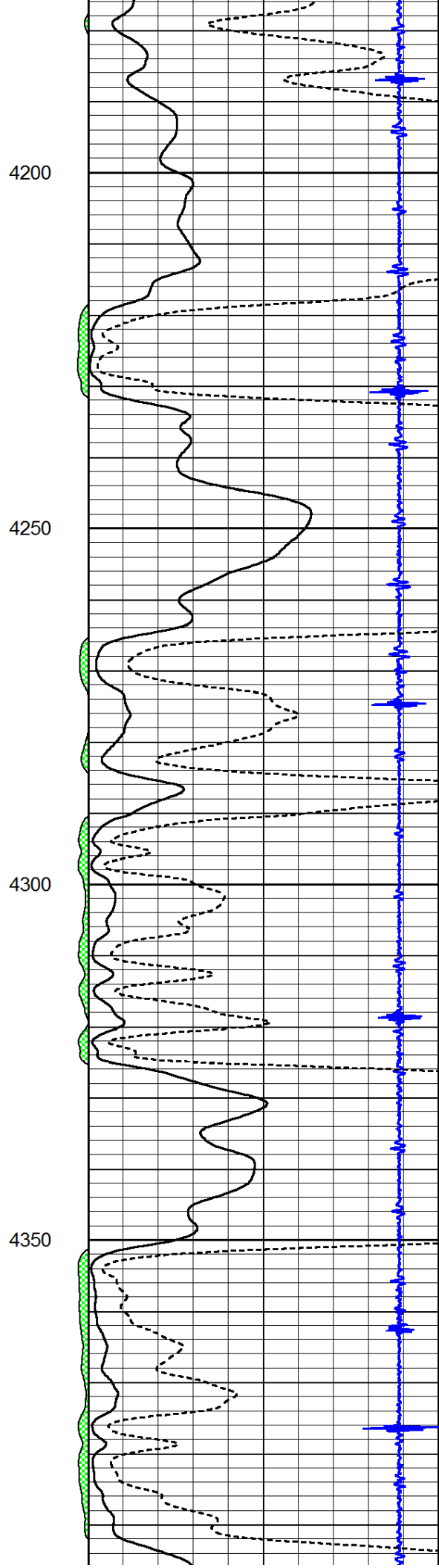
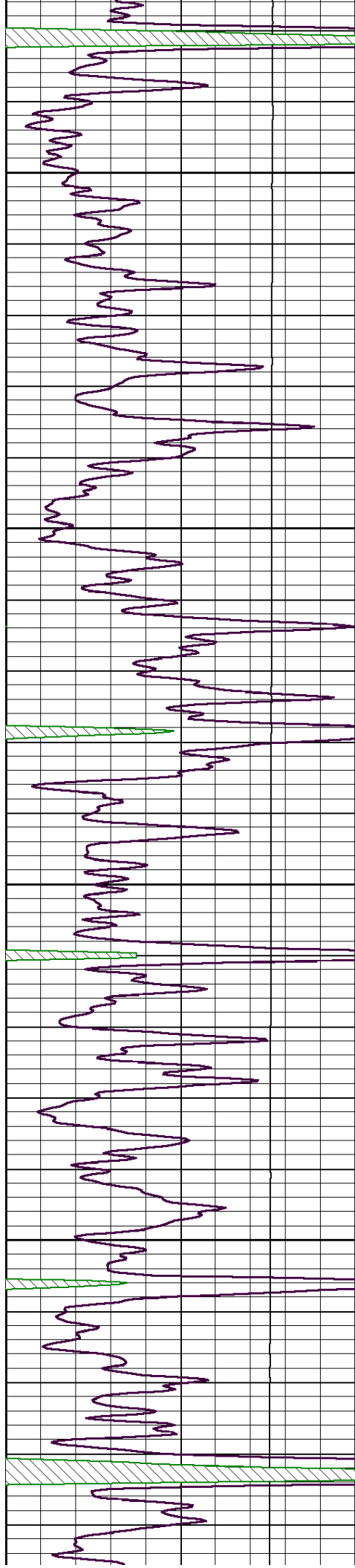
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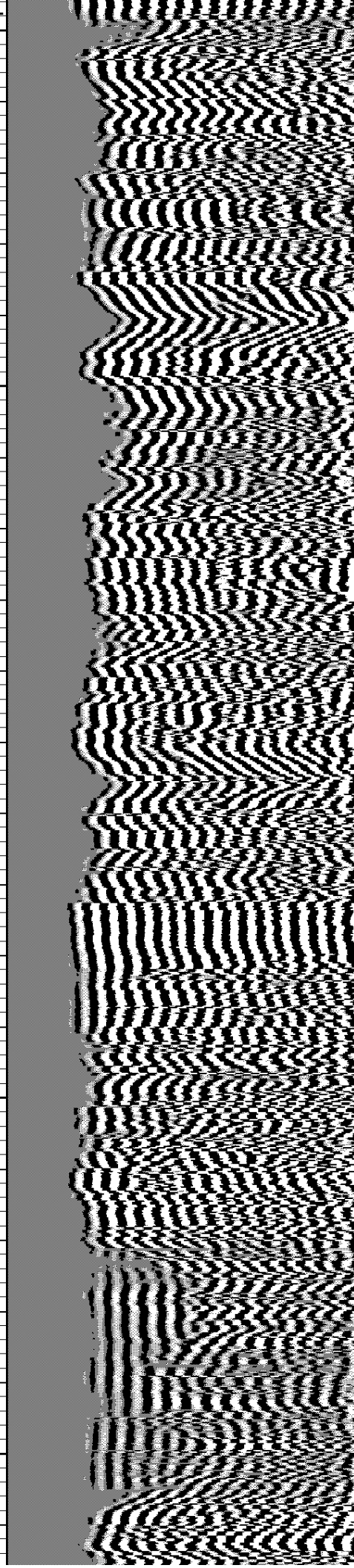
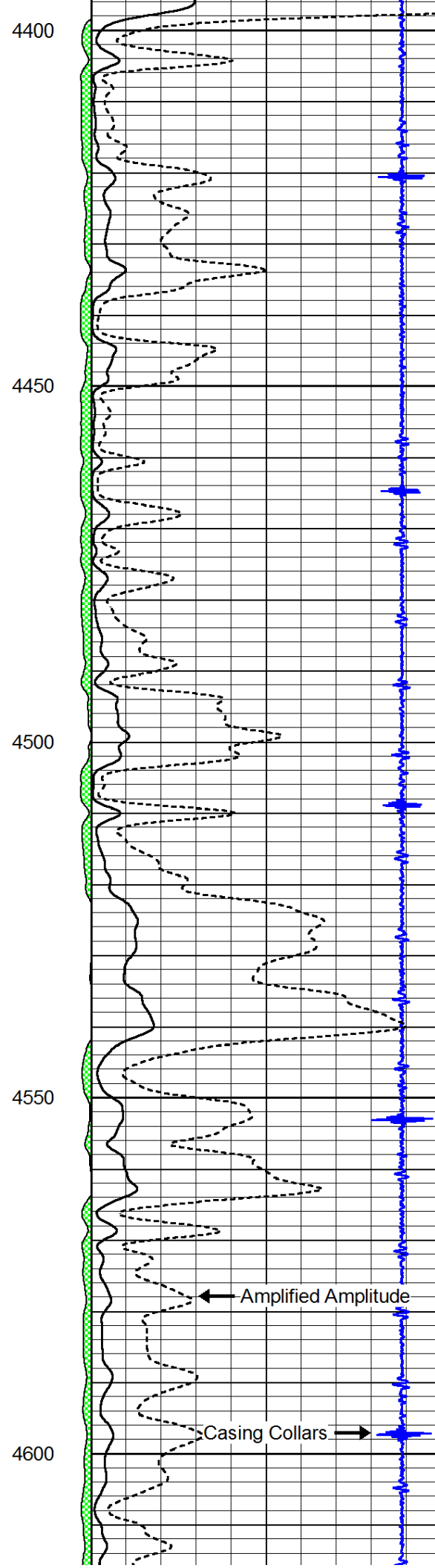
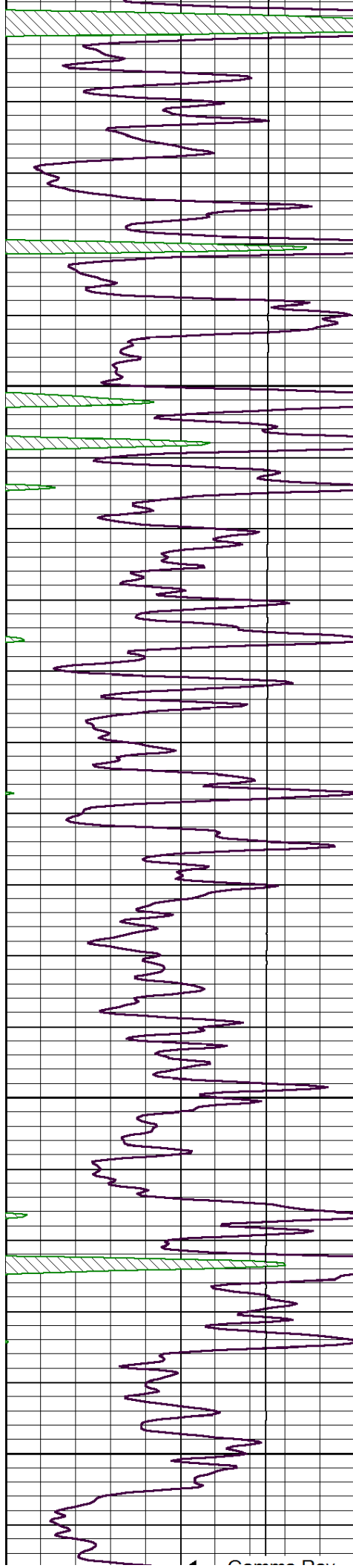
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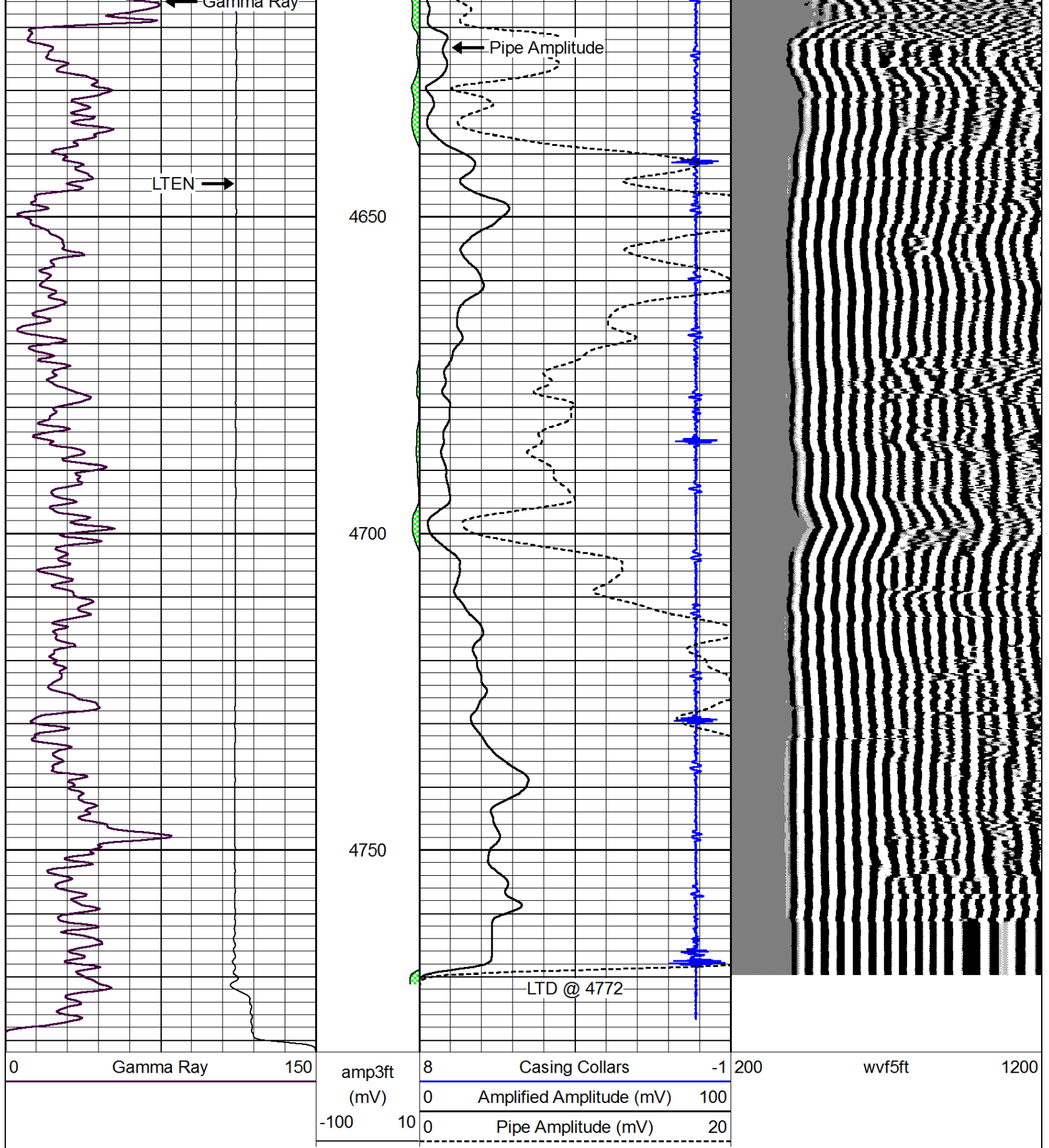
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LOG-TECH

Repeat Section

Database File: hartman_Imaune6.db
 Dataset Pathname: LMaune6/grcbl/pass3
 Presentation Format: cbldr
 Dataset Creation: Tue Jun 26 13:52:15 2013 by Log SCH 111116

0	Gamma Ray	150	amp3ft	8	Casing Collars	-1	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			

