



Sonic Cement Bond Log

Pioneer Energy Services

API No.

15-171-21067-00-00

Company Shakespeare Oil Company, Inc.

Well Janzen No. 3-26

Field Pence East

County Scott State Kansas

Location

1000' FSL & 1200' FEL

Other Services
Perforate

Sec: 26 Twp: 16S Rge: 34W

Permanent Datum Ground Level Elevation 3107

Log Measured From Kelly Bushing 12 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 3119
D.F. 3117
G.L. 3107

Run Number One

Date Survey 7/7/2014

Date Cementing 6/23/2014

Type Cementing Operation Primary

Depth Driller 5030

Depth Logger 4980

Logged Interval 4978 to 3250

Casing Driller 5.5 @ T.D.

Float Collar -- D.V. Tool 2400 @

Squeeze Depth

Amount & Type Cement

Amount & Type Admix

Type Fluid In Hole Water

Fluid Level 215

Salinity PPM CL

Weight lb/gal -- Vis. IIII IIII

Approx. Logged Cement Top 3550

Calculated Cement Top IIII

Max. Hole Temperature 115

Tool No. D-1

Spacing Recorded 3-5

Equipment -- Location 72 Hays

Recorded By K. Ladigan

Witnessed By Tom Larson

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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.

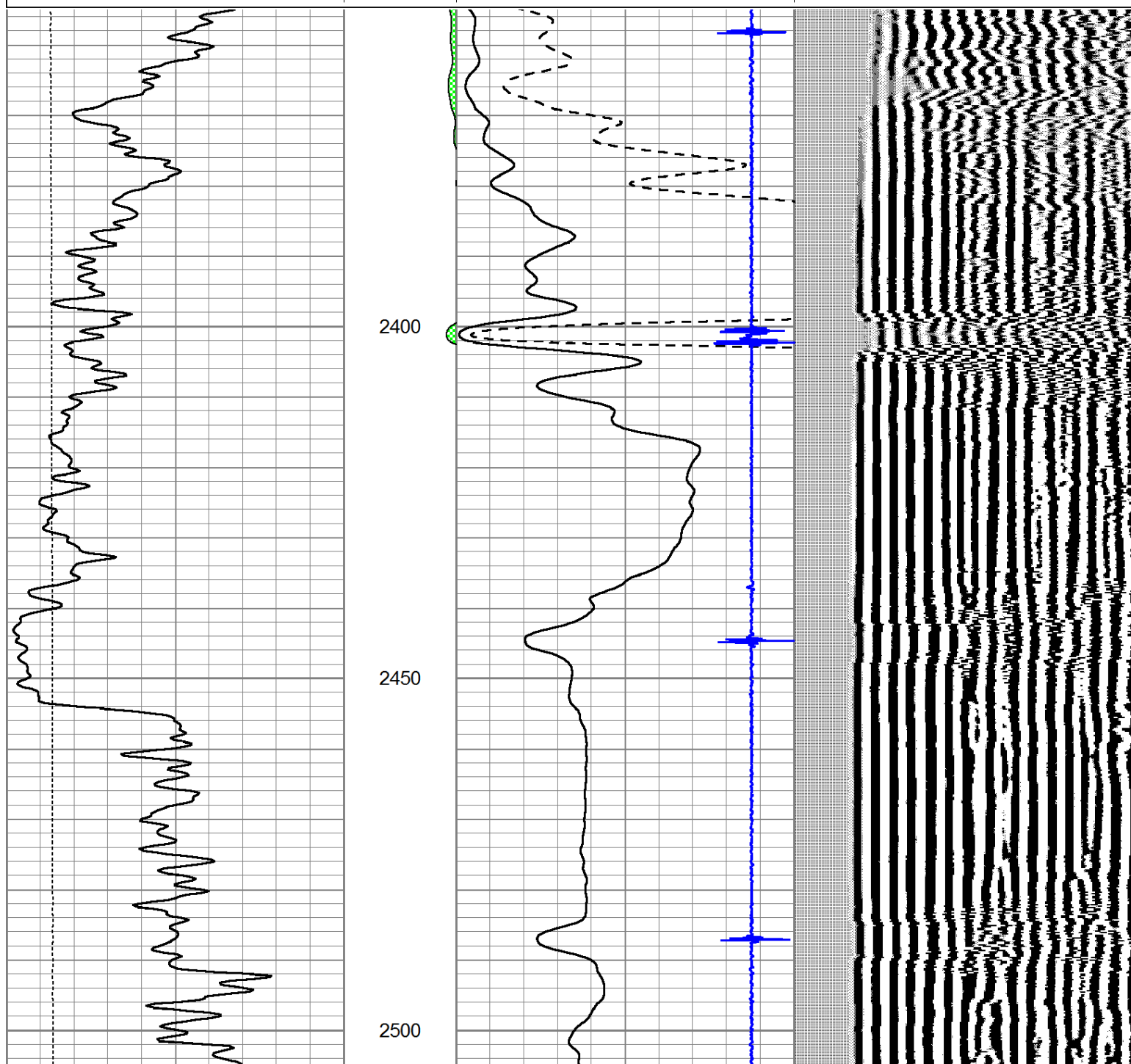
Comments

Thank you for using Pioneer Energy Services, Inc. 785.625.3858

Pence, KS., East to Eagle Road, 1¼ South
West Into.

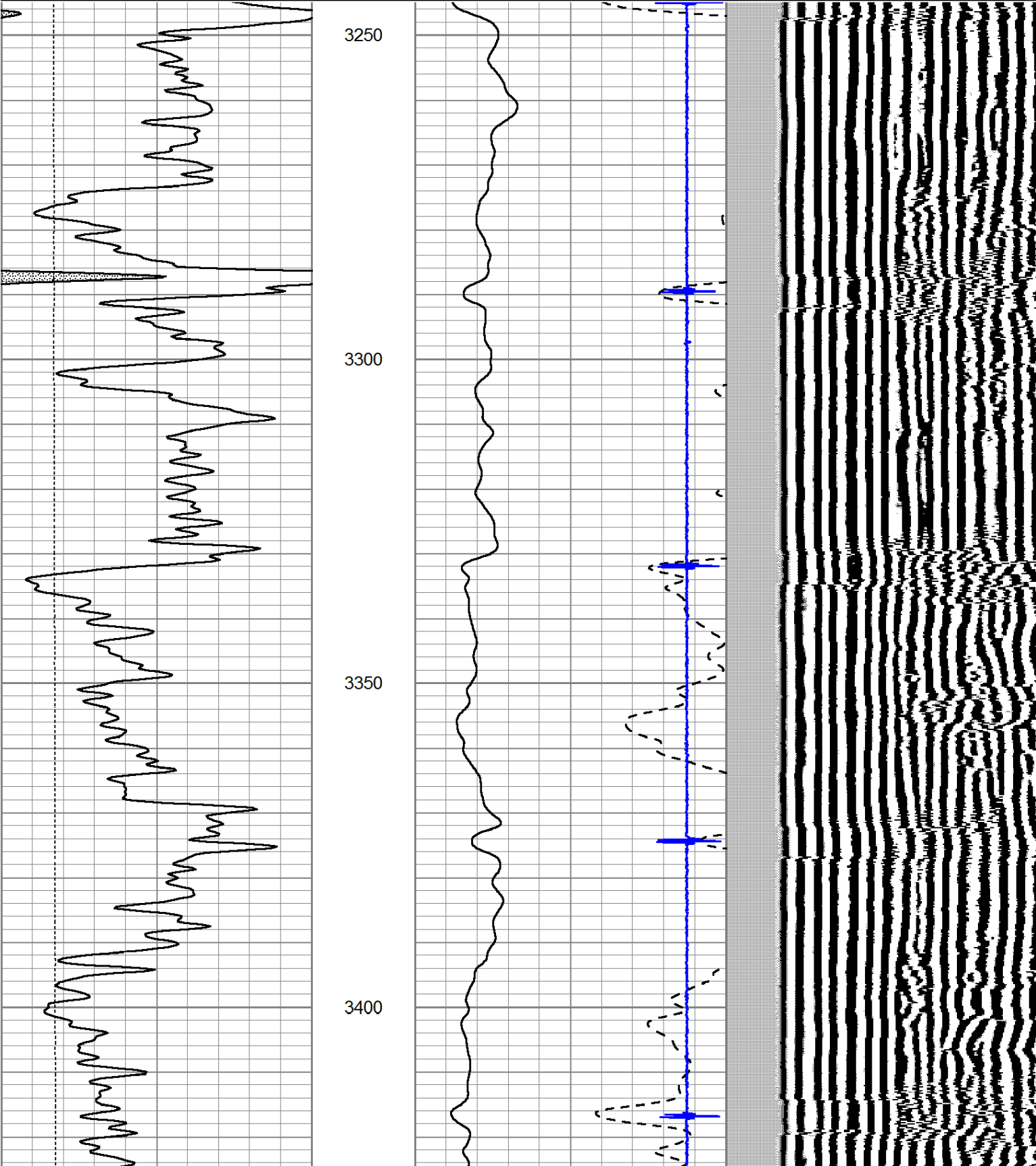
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Dataset Pathname: grcbl/pass4
Presentation Format: cbl dig
Dataset Creation: Mon Jul 07 09:52:28 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

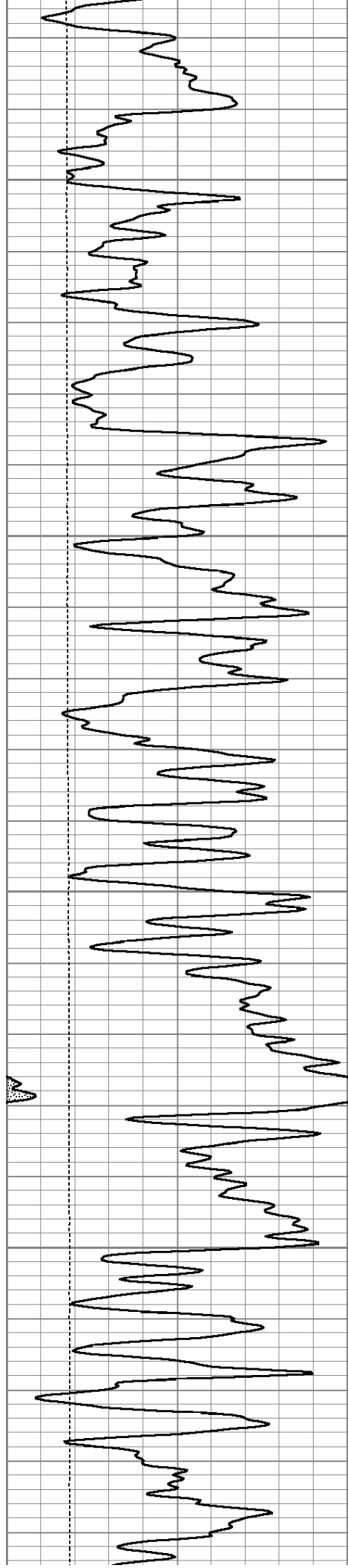
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0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			



Database File: shake_janzen3-26.db
Dataset Pathname: grcbl/pass3.1
Presentation Format: cldig
Dataset Creation: Mon Jul 07 09:52:51 2014
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	AMP3	0	Amplitude (mV)	100	200	Variable Density	1200
0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			



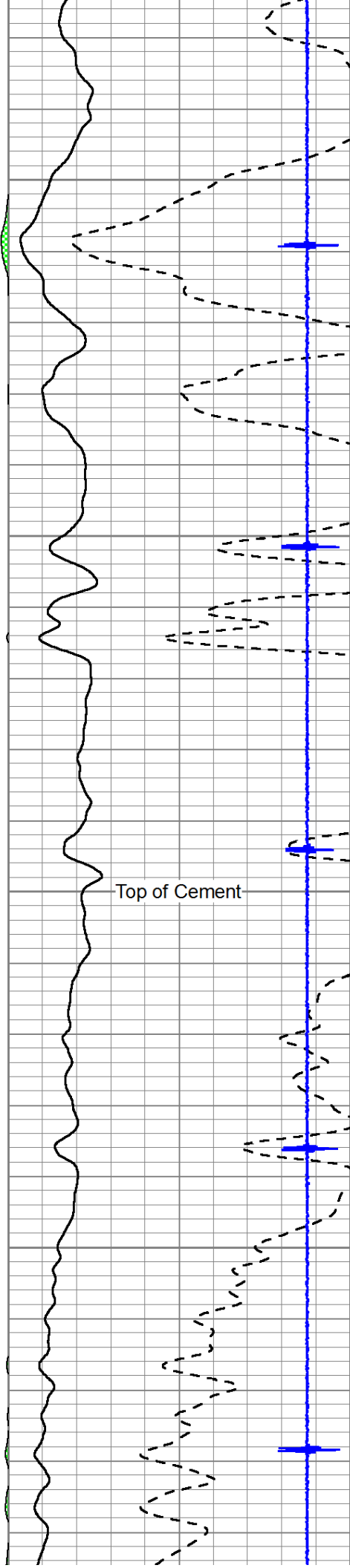


3450

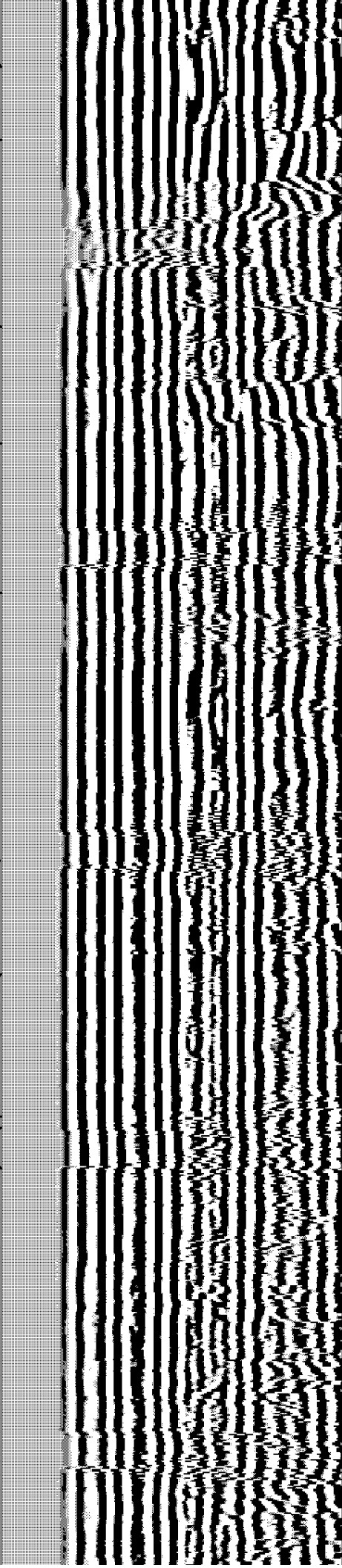
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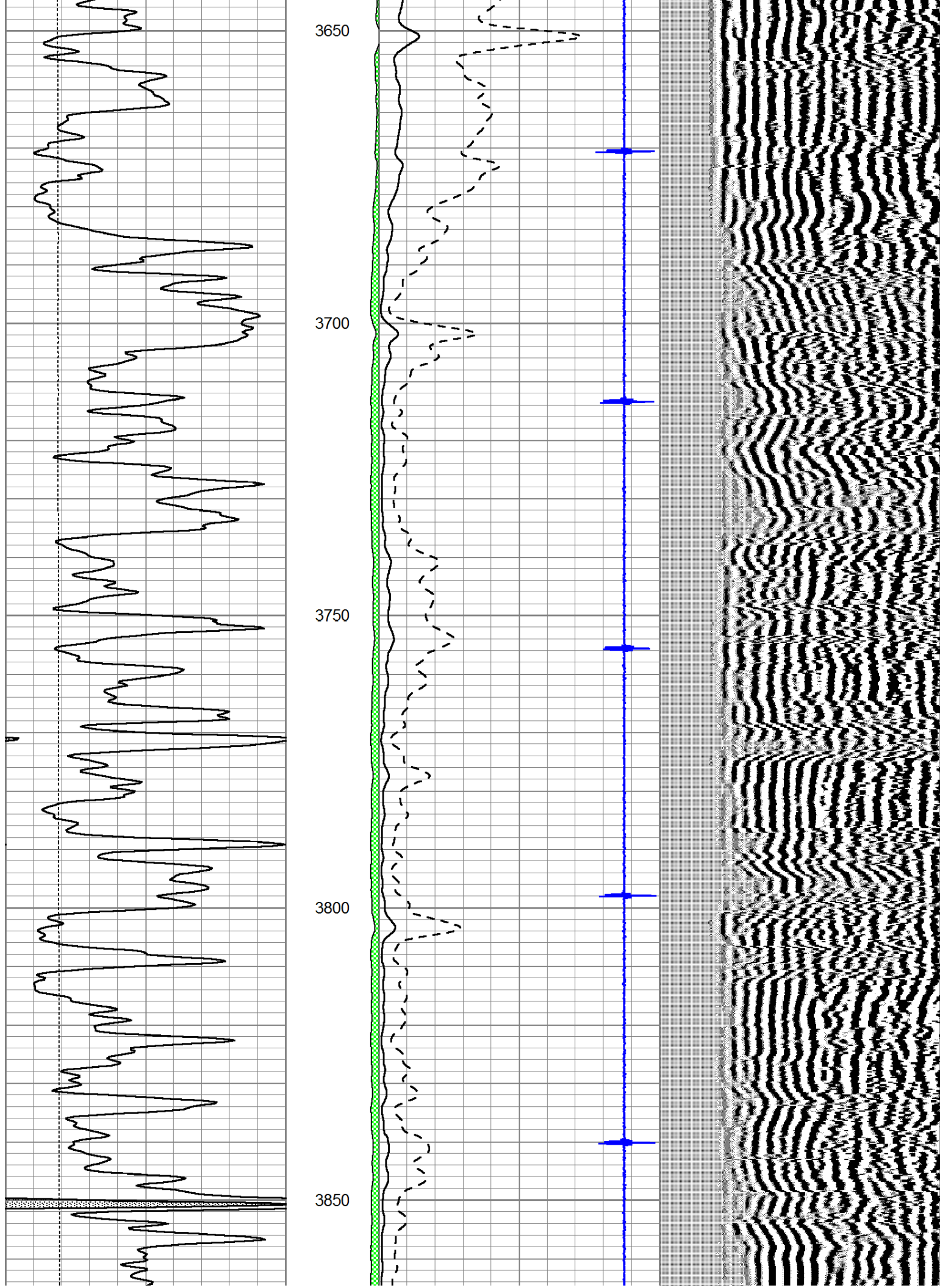
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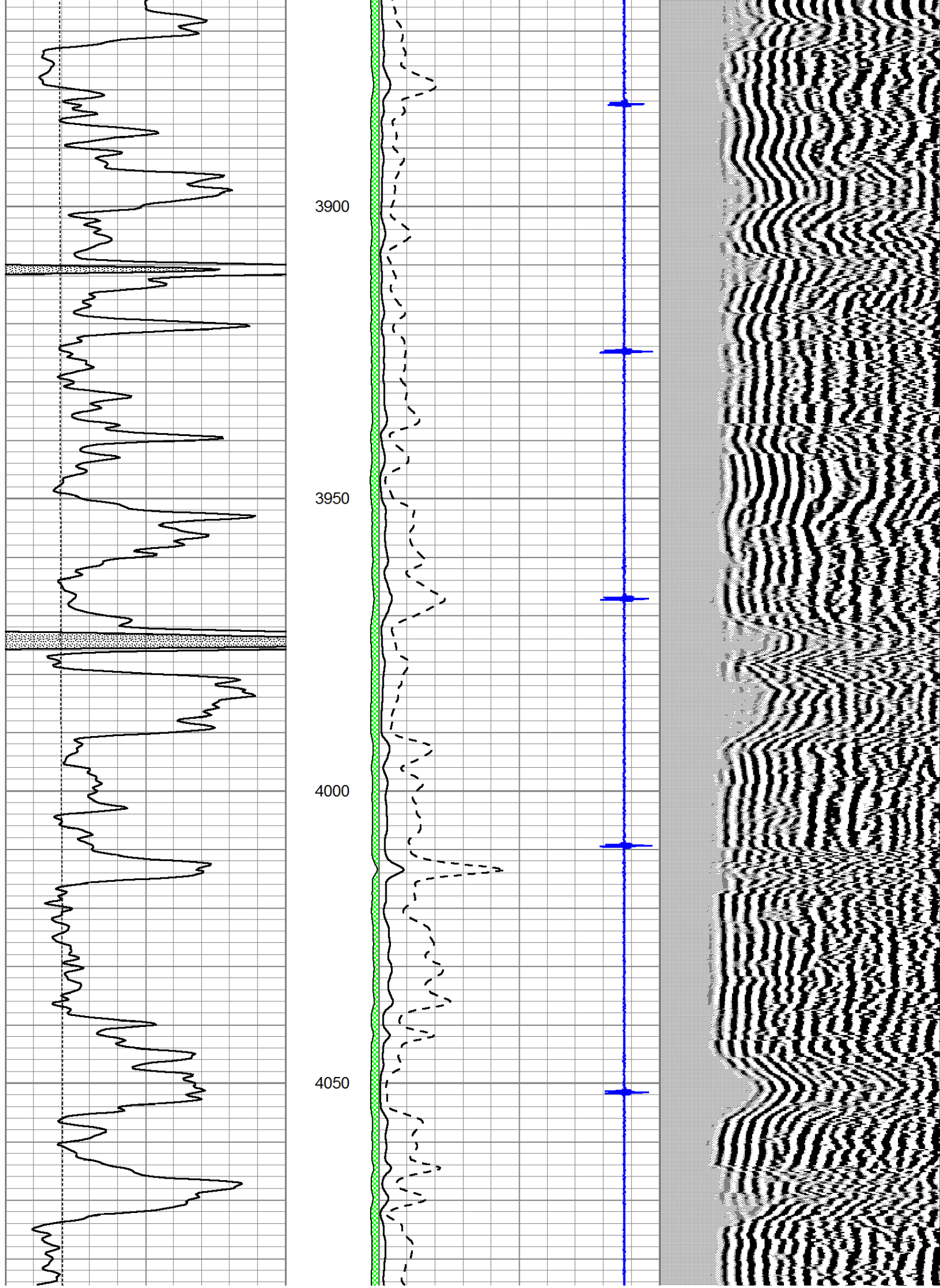
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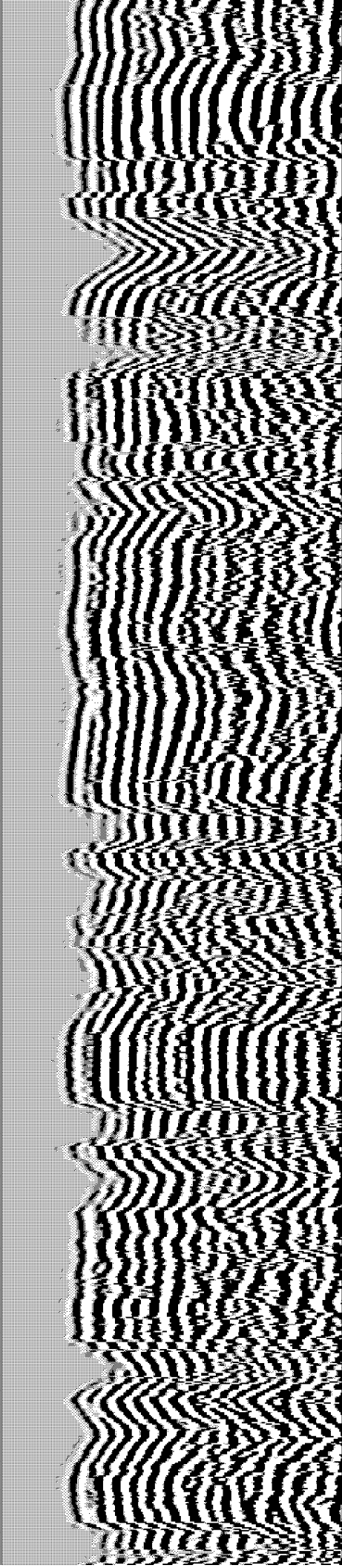
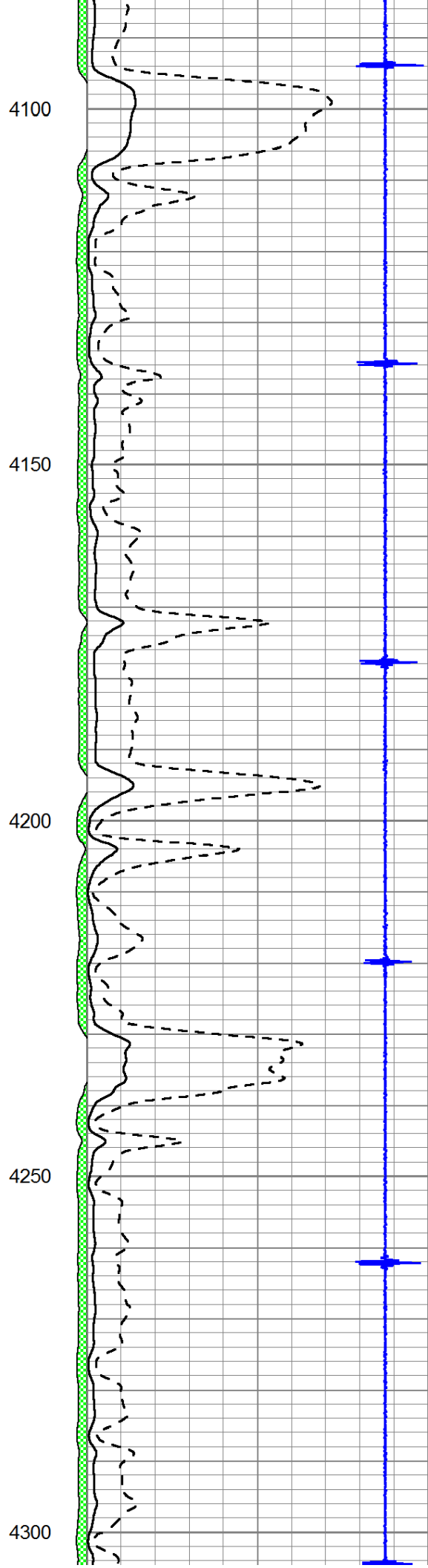
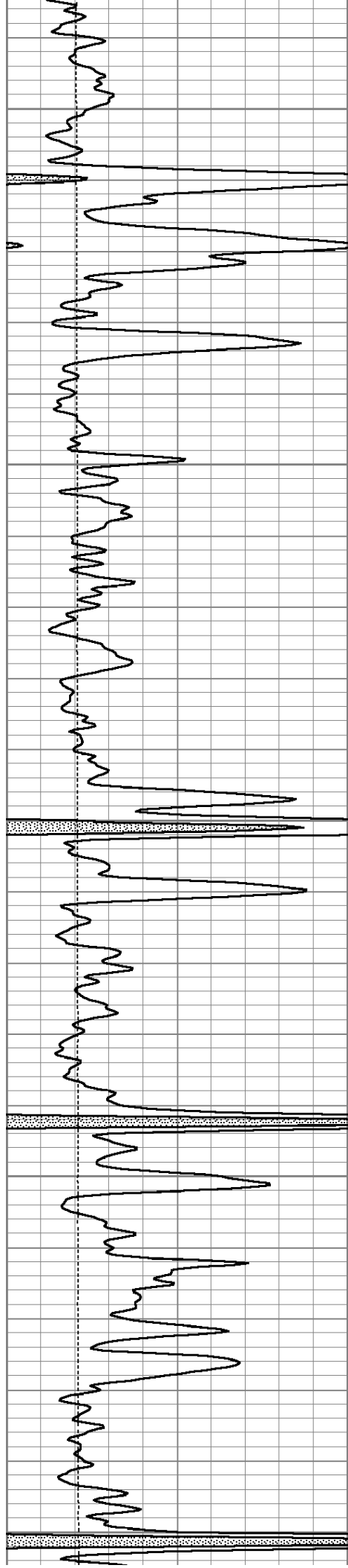


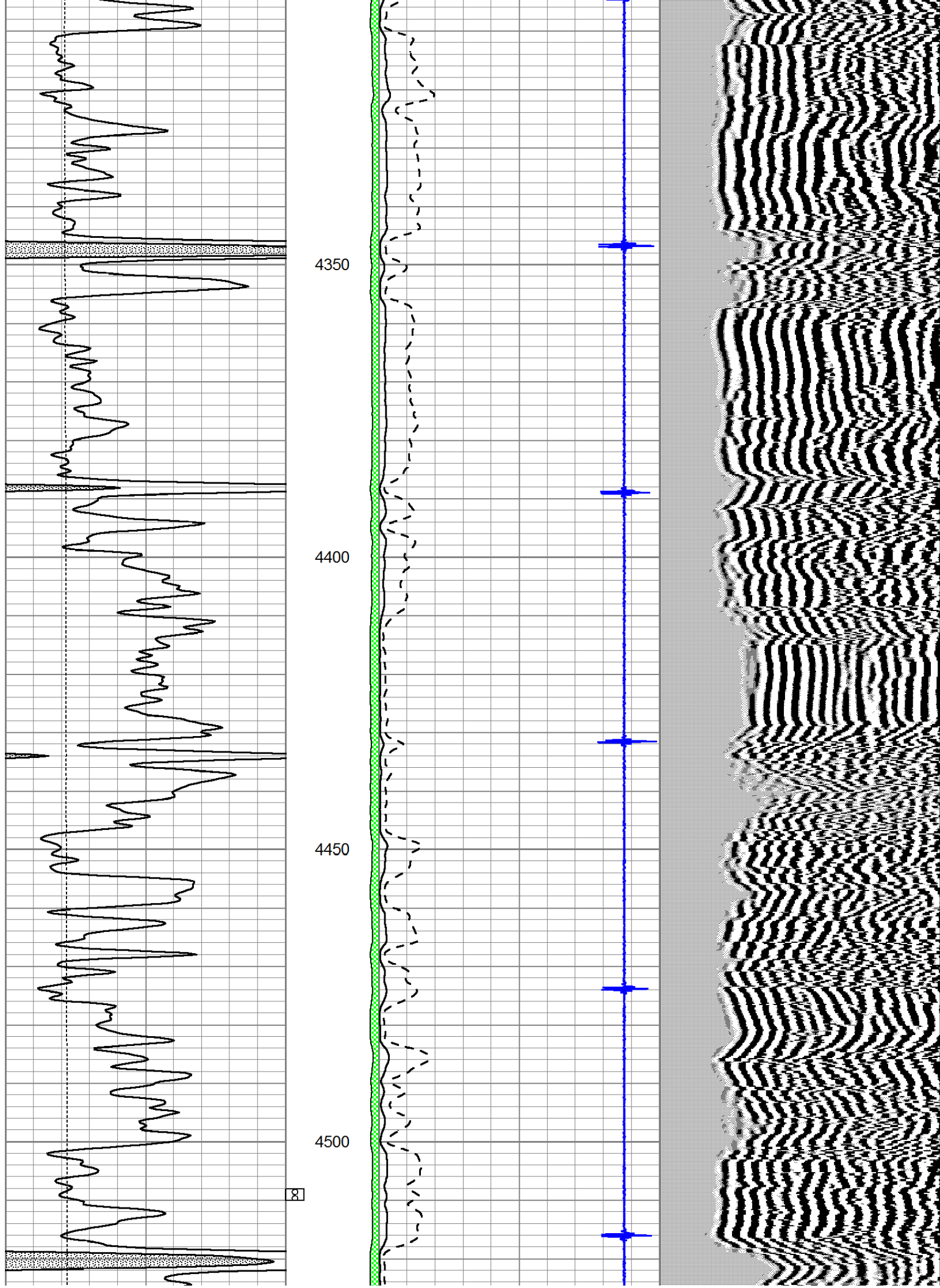
Top of Cement

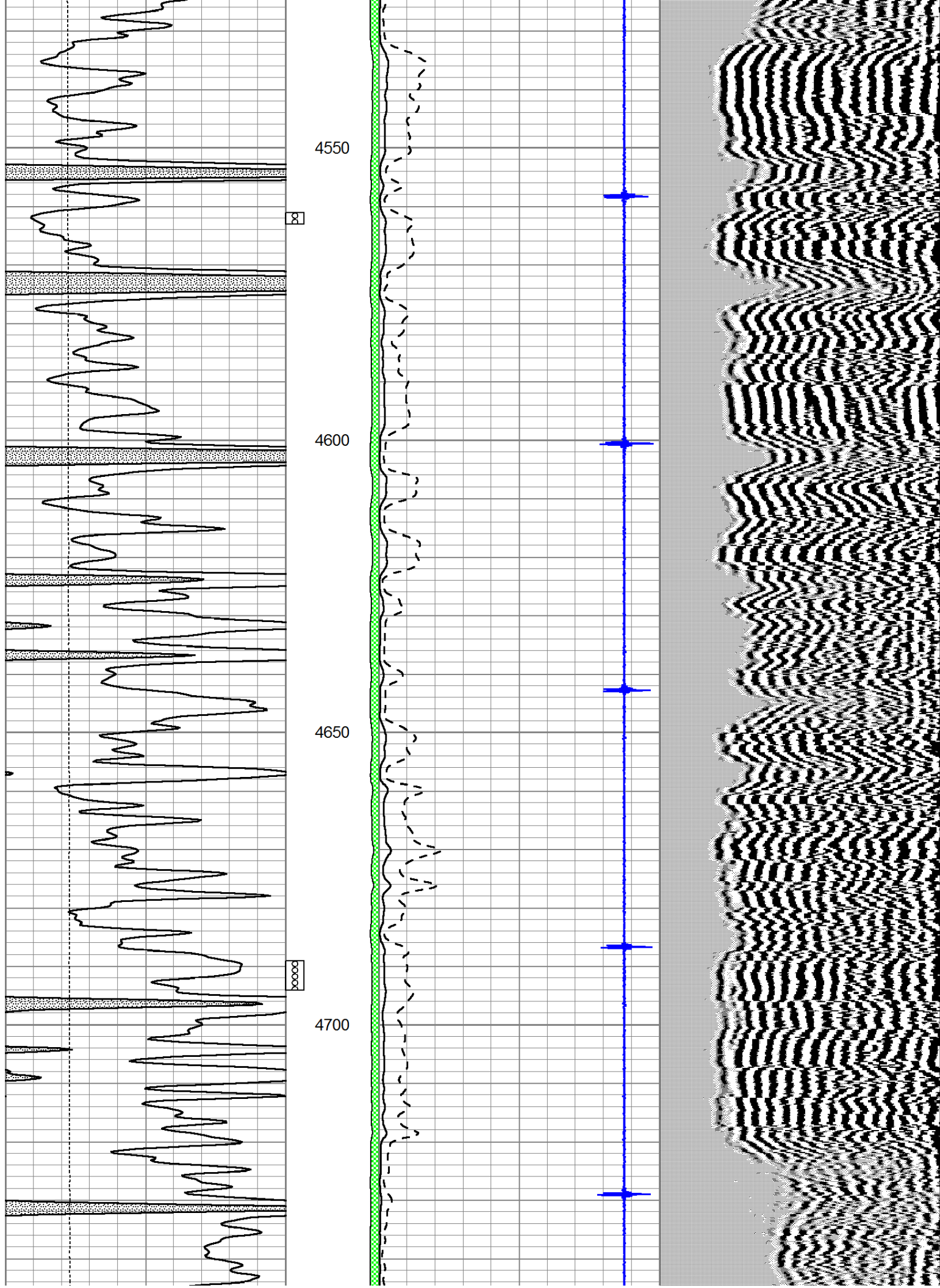


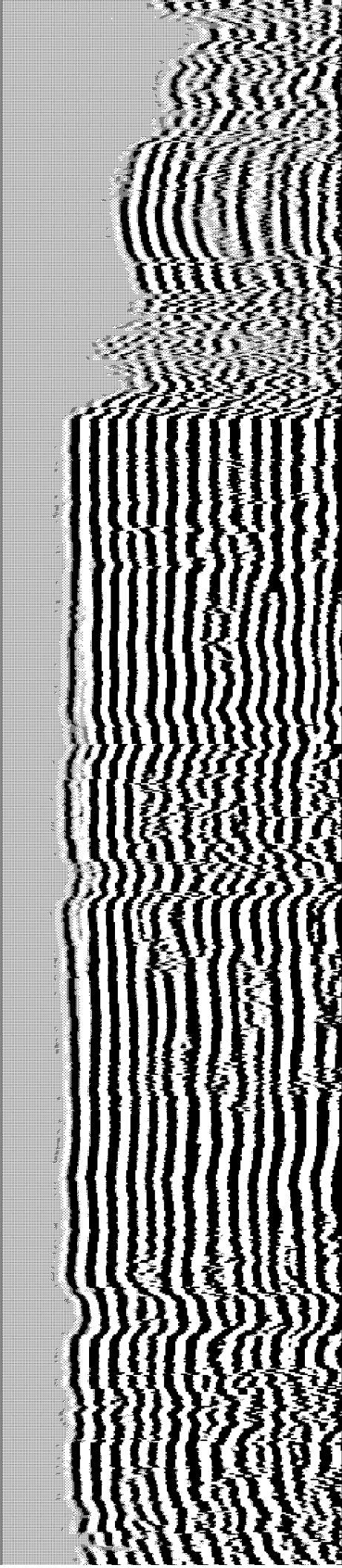
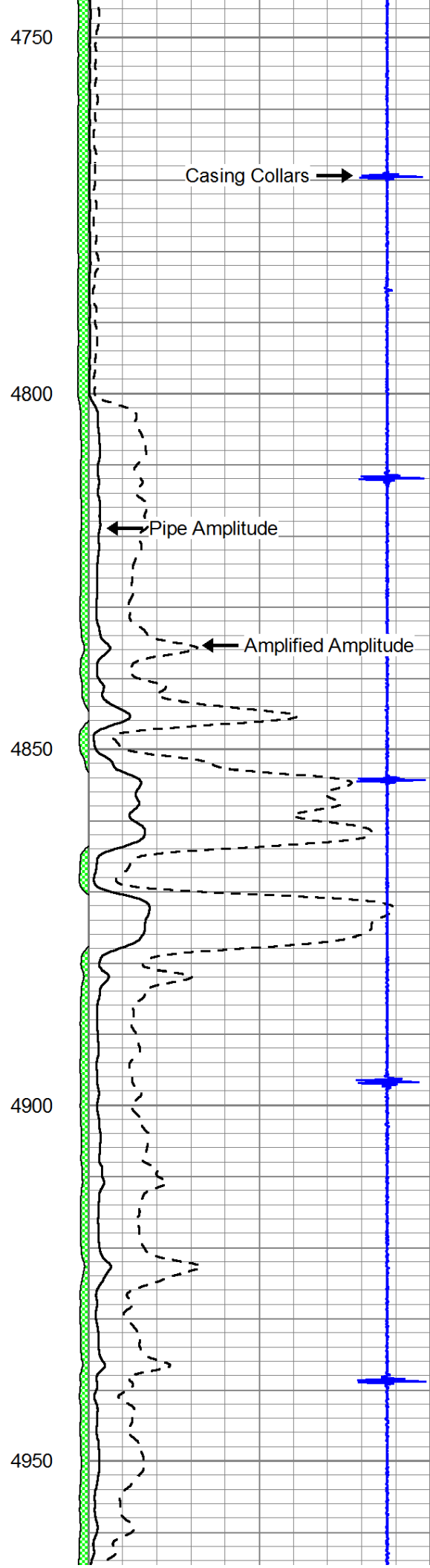
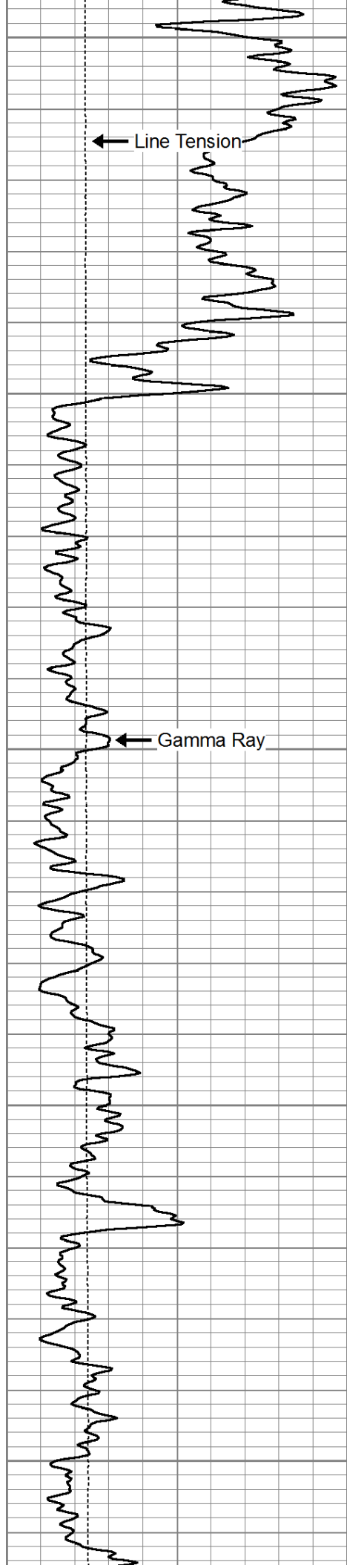


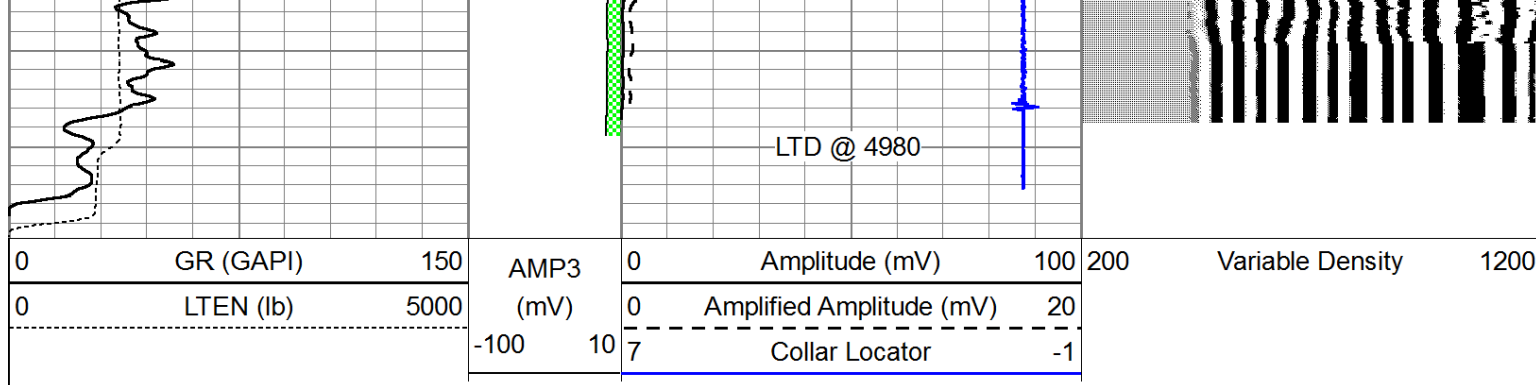












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Repeat Section

Database File: shake_janzen3-26.db
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