



Sonic Cement Bond Log

Pioneer Energy Services

API No.

15-171-20969-00-00

Company Shakespeare Oil Company, Inc.
Well Carson No. 1-26
Field Pence East
County Scott State Kansas

Location

649' FNL & 1371' FEL
SE-NE-NW-NE

Sec: 26

Twp: 16S

Rge: 34W

Other Services
Perforate

Elevation

Permanent Datum Ground Level Elevation 3114
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3124
D.F. 3122
G.L. 3114

Run Number

One

Date Survey

9/24/2013

Date Cementing

9/7/2013

Type Cementing Operation

Primary

Depth Driller

4890

Depth Logger

4844

Logged Interval

4842 to 3200

Casing Driller

5.5 @ T.D.

Float Collar -- D.V. Tool

2408

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

3420

Calculated Cement Top

||||

Max. Hole Temperature

113

Tool No.

D-1

Spacing Recorded

3-5

Equipment -- Location

72 Hays

Recorded By

K. Ladrigan

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

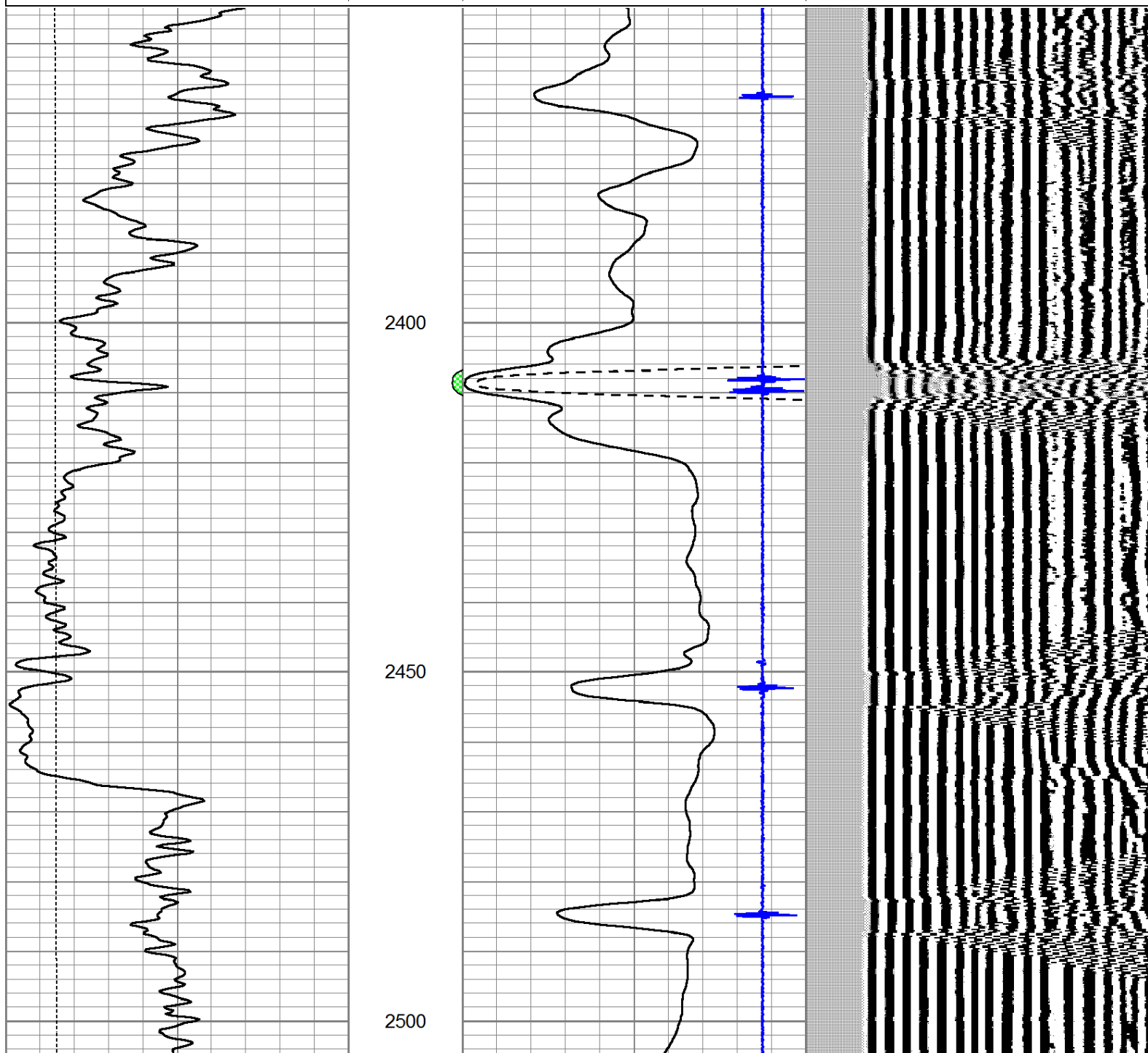
Pence, KS., East to Eagle Road, 1-1/8th South
West Into.



Port Collar @ 2408

Database File: shakespeare_carson1-26.db
Dataset Pathname: grcbl/pass5
Presentation Format: cbl dig
Dataset Creation: Tue Sep 24 09:59:32 2013 by Log SCH 111116
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			

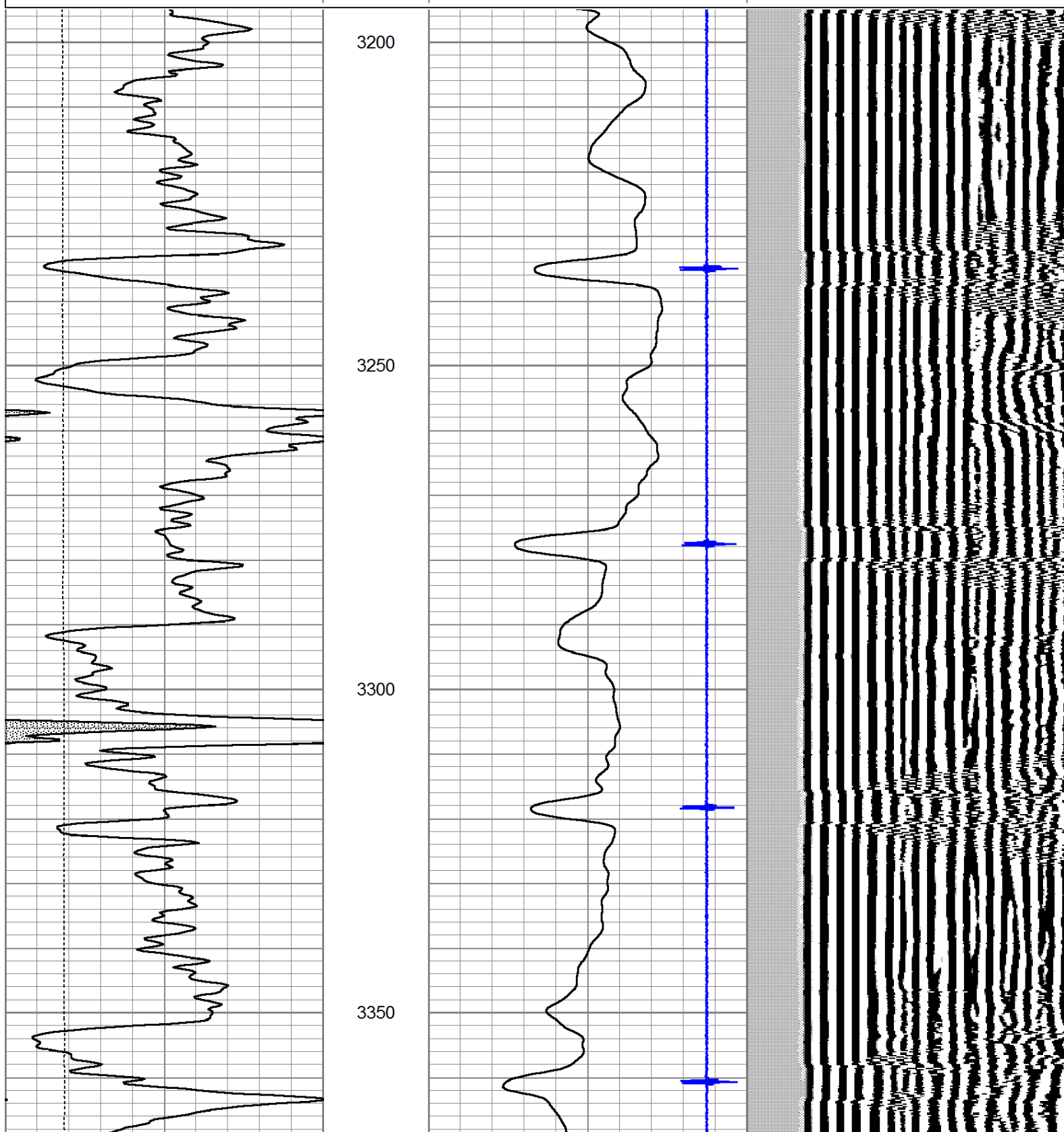


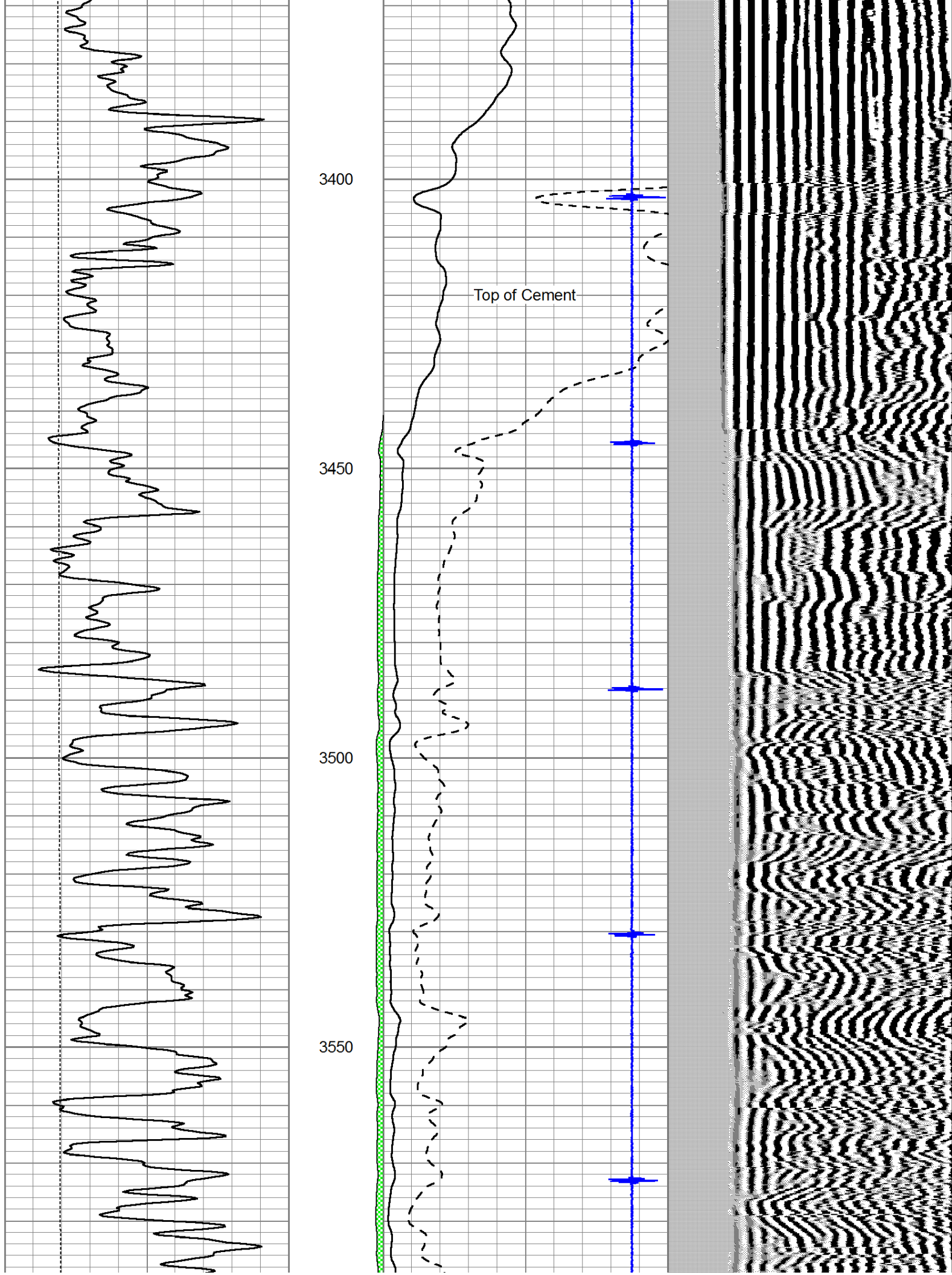
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0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			

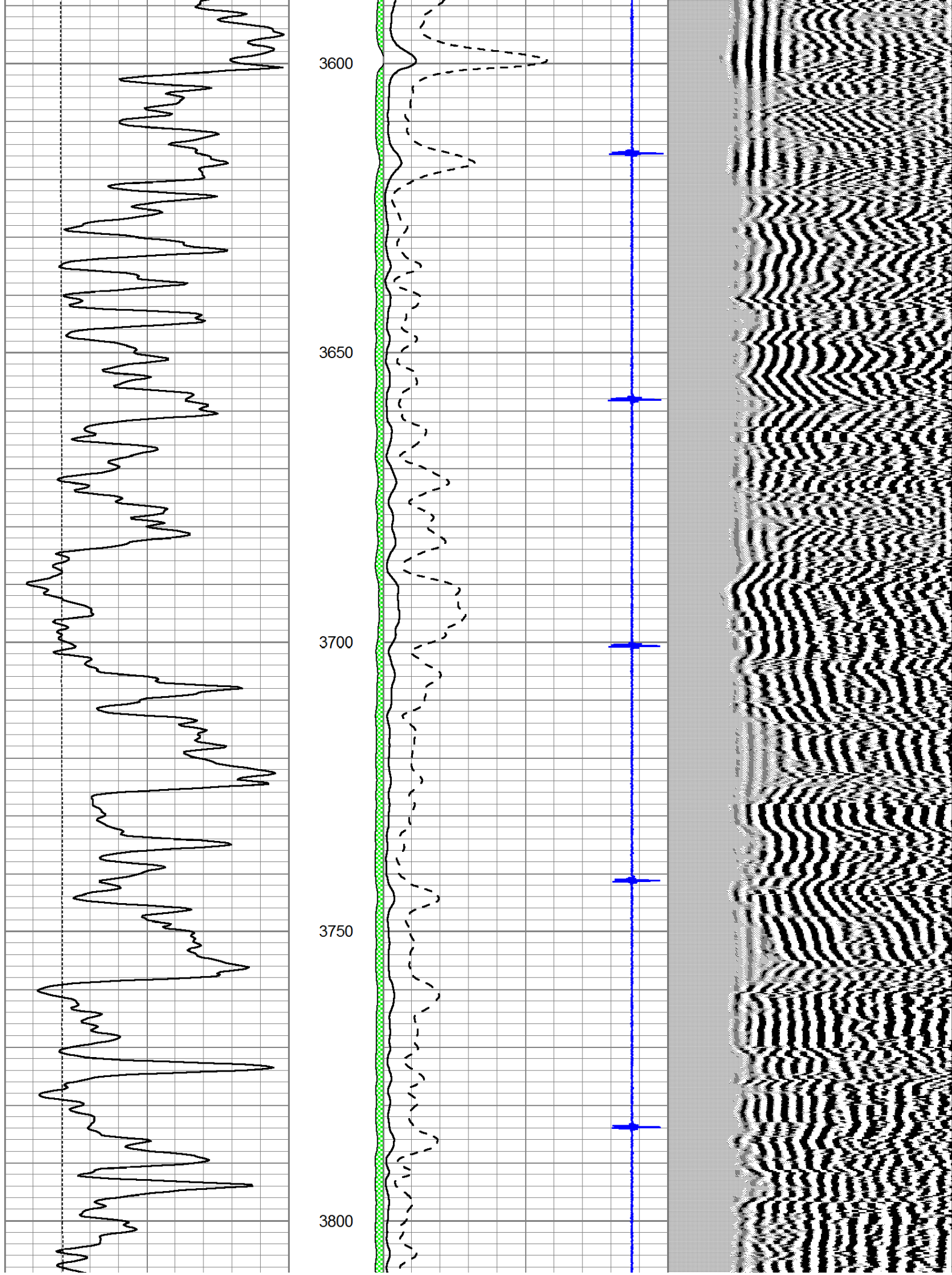


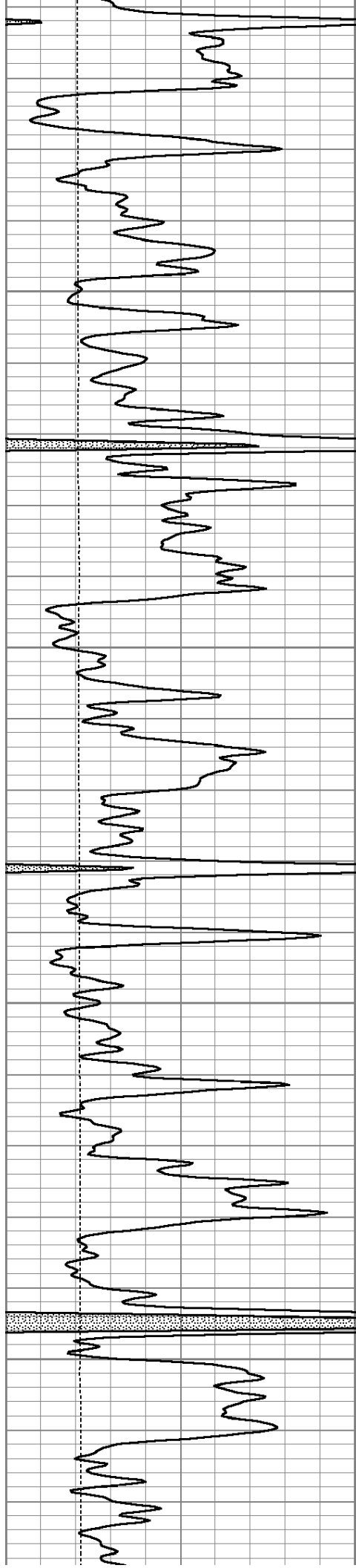
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 Dataset Pathname: grcbl/pass4.1
 Presentation Format: cbldig
 Dataset Creation: Tue Sep 24 10:01:24 2013
 Charted by: Depth in Feet scaled 1:240

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







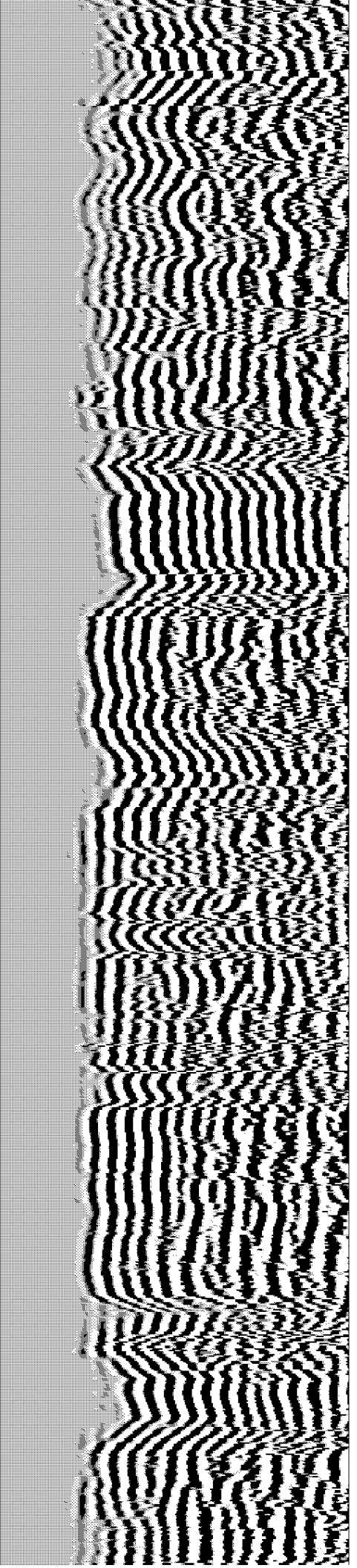
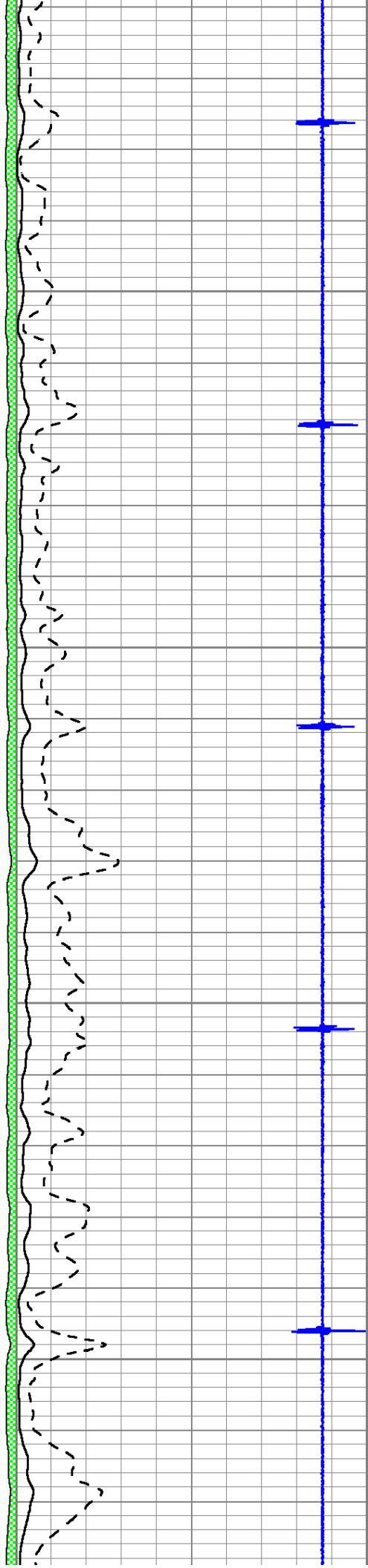


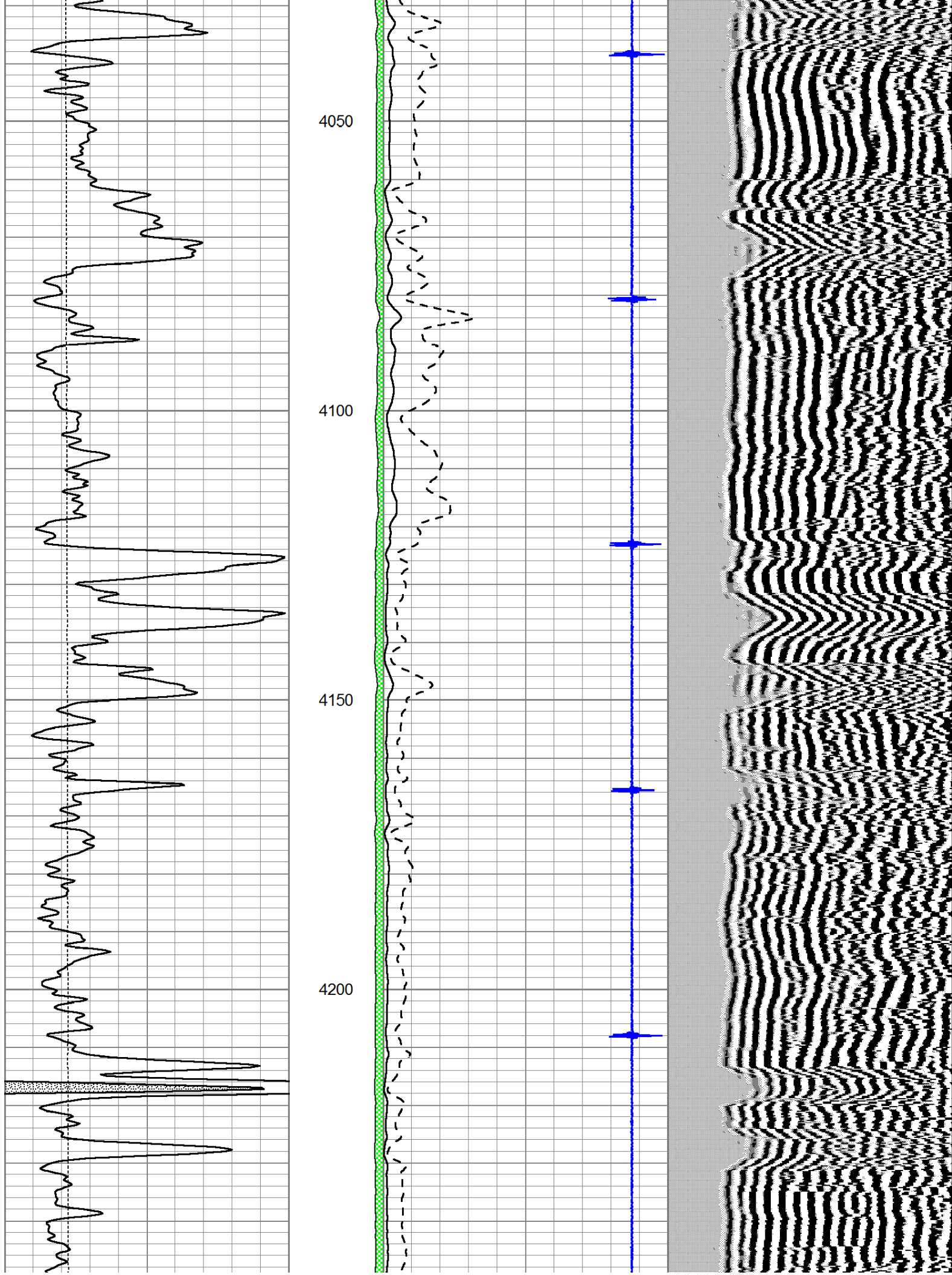
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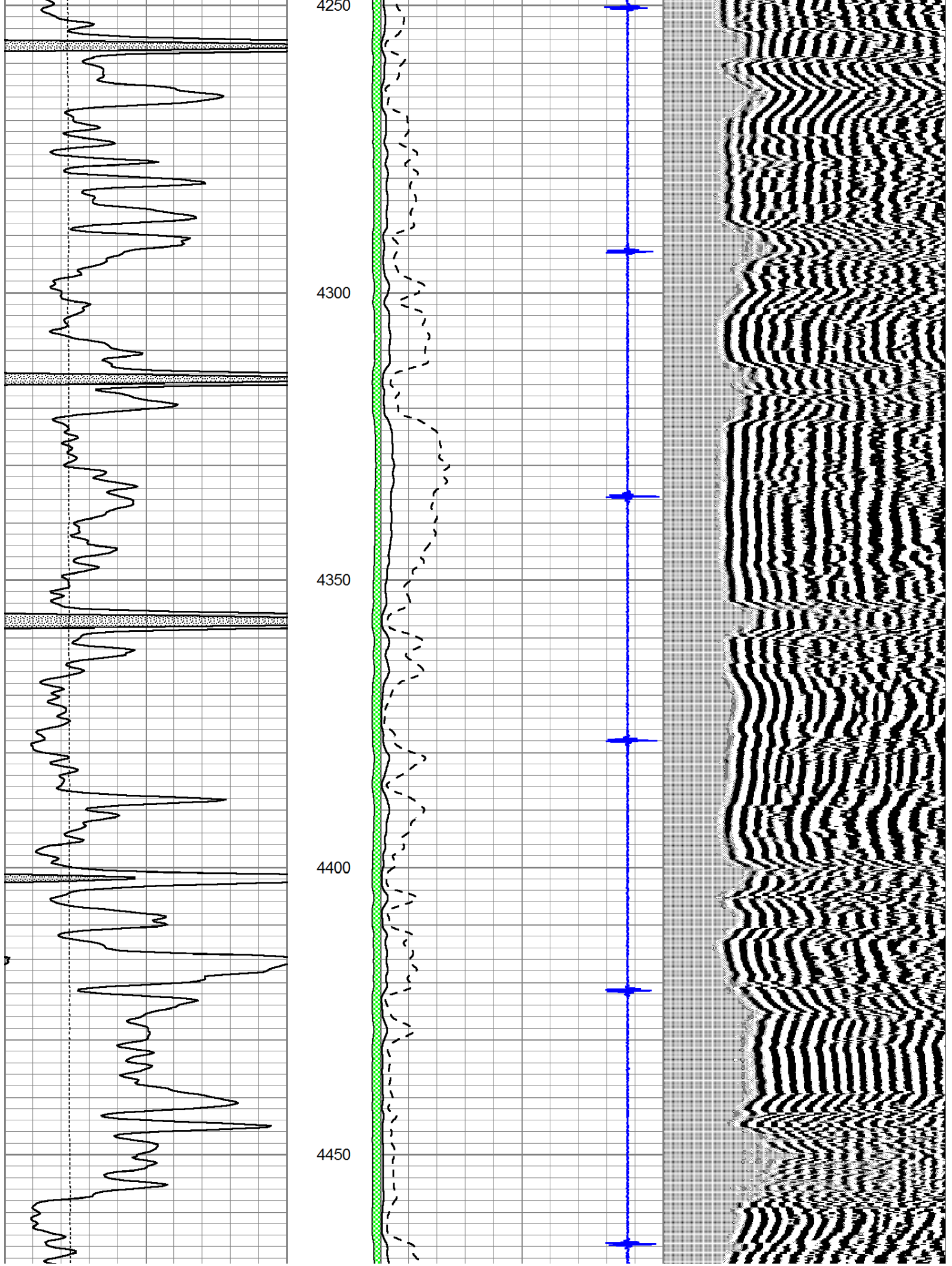
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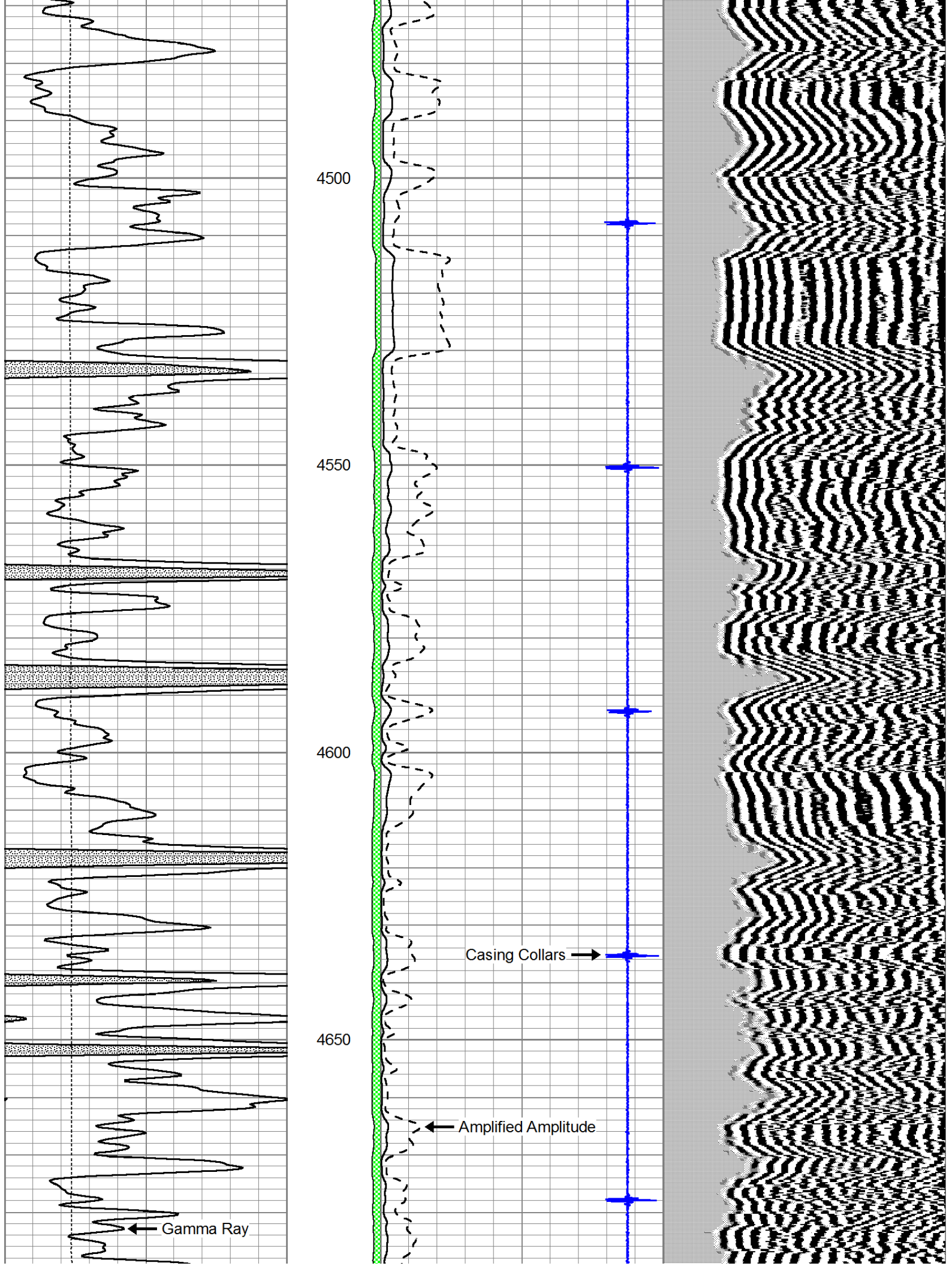
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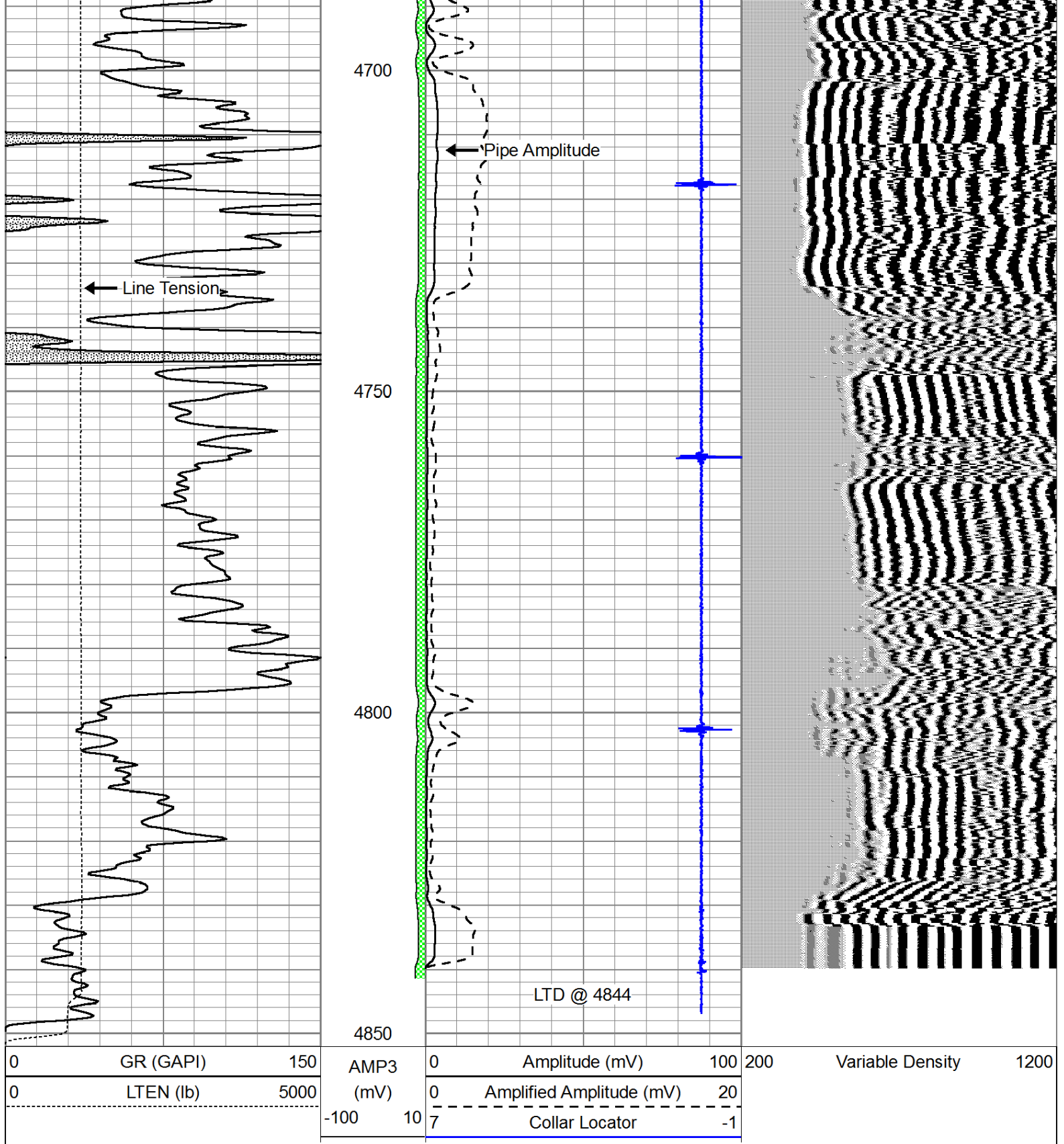
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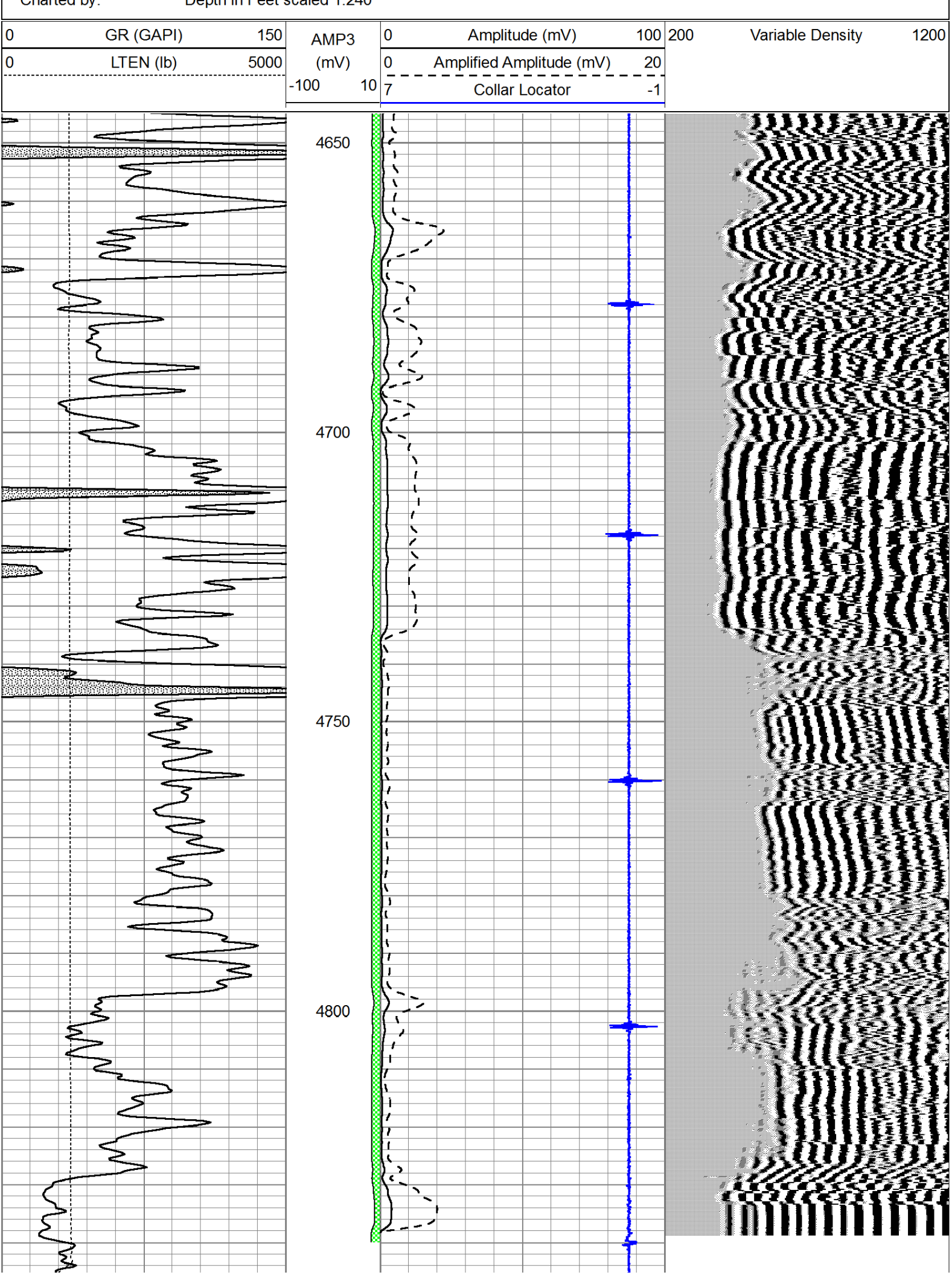




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Repeat Section

Database File: shakespeare_carson1-26.db
 Dataset Pathname: grcbl/pass3
 Presentation Format: cbldig
 Dataset Creation: Tue Sep 24 09:24:21 2013 by Log SCH 111116
 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		