



PIONEER

Pioneer Energy Services

**Sonic Cement
Bond Log**

API No.

15-171-20947-00-00

Company **SHAKESPEARE Oil Company**

Well **Tucker No. 1-9**

Field **Wildcat**

County **Scott**

State **Kansas**

Location

400' FSL & 600' FEL

Other Services
Perforate

Sec: 9

Twp: 16 S

Rge: 34 W

Elevation

Permanent Datum Ground Level Elevation 3130
Log Measured From Kelly Bushing 10' Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3140
D.F. 3139
G.L. 3130

Run Number

One

Date Survey

6/24/2013

Date Cementing

6/13/2013

Type Cementing Operation

Primary

Depth Driller

4864

Depth Logger

4788

Logged Interval

4788 to 2800

Casing Driller

5.5" @ T.D.

Float Collar -- D.V. Tool

2437

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

3450

Calculated Cement Top

////

Max. Hole Temperature

115

Tool No.

RBT 4-4

Spacing Recorded

3-5

Equipment -- Location

12 A Drilling Hays

Recorded By

Mr Brian Cable

Witnessed By

Mr Brian Cable

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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.

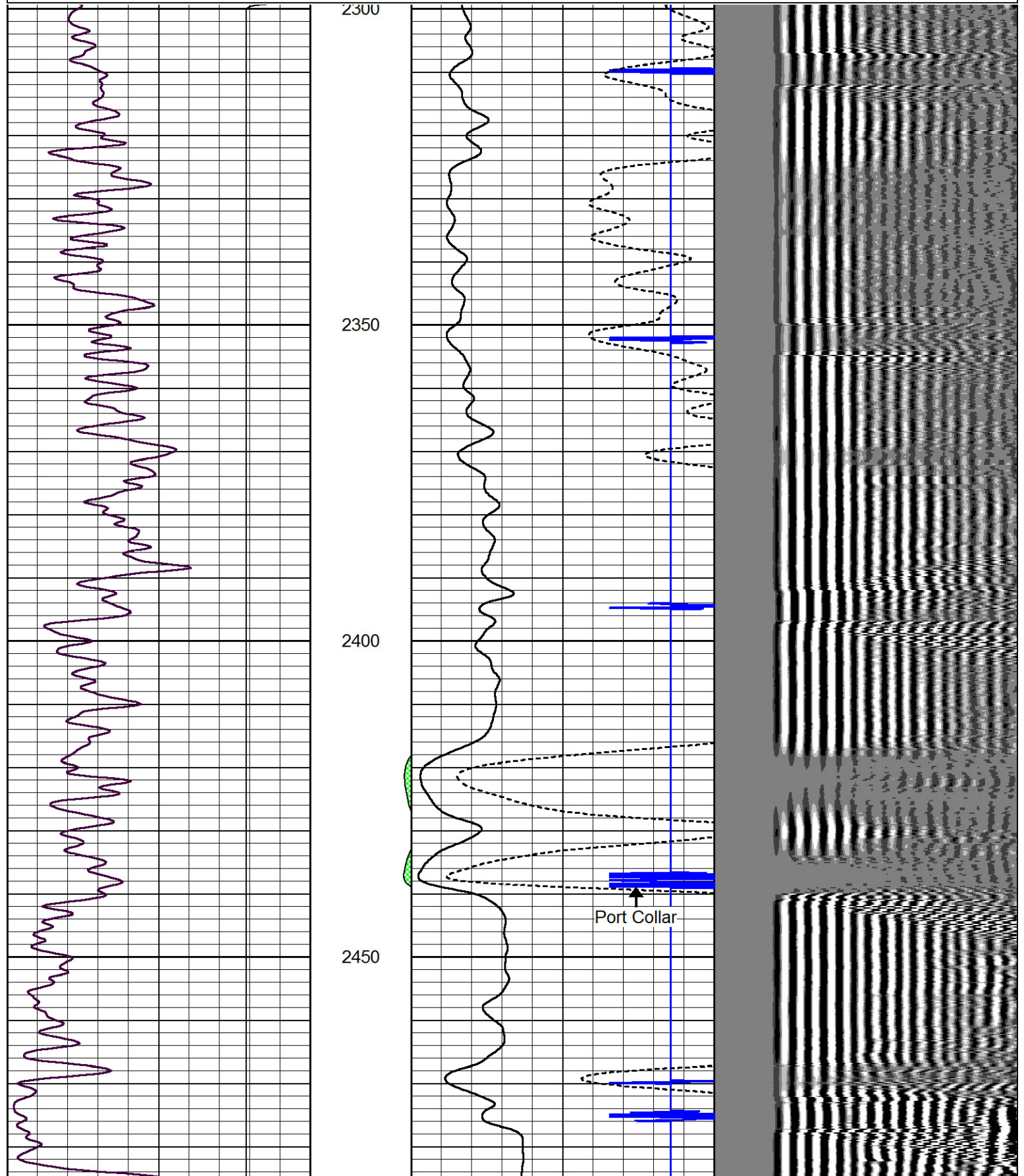
Comments

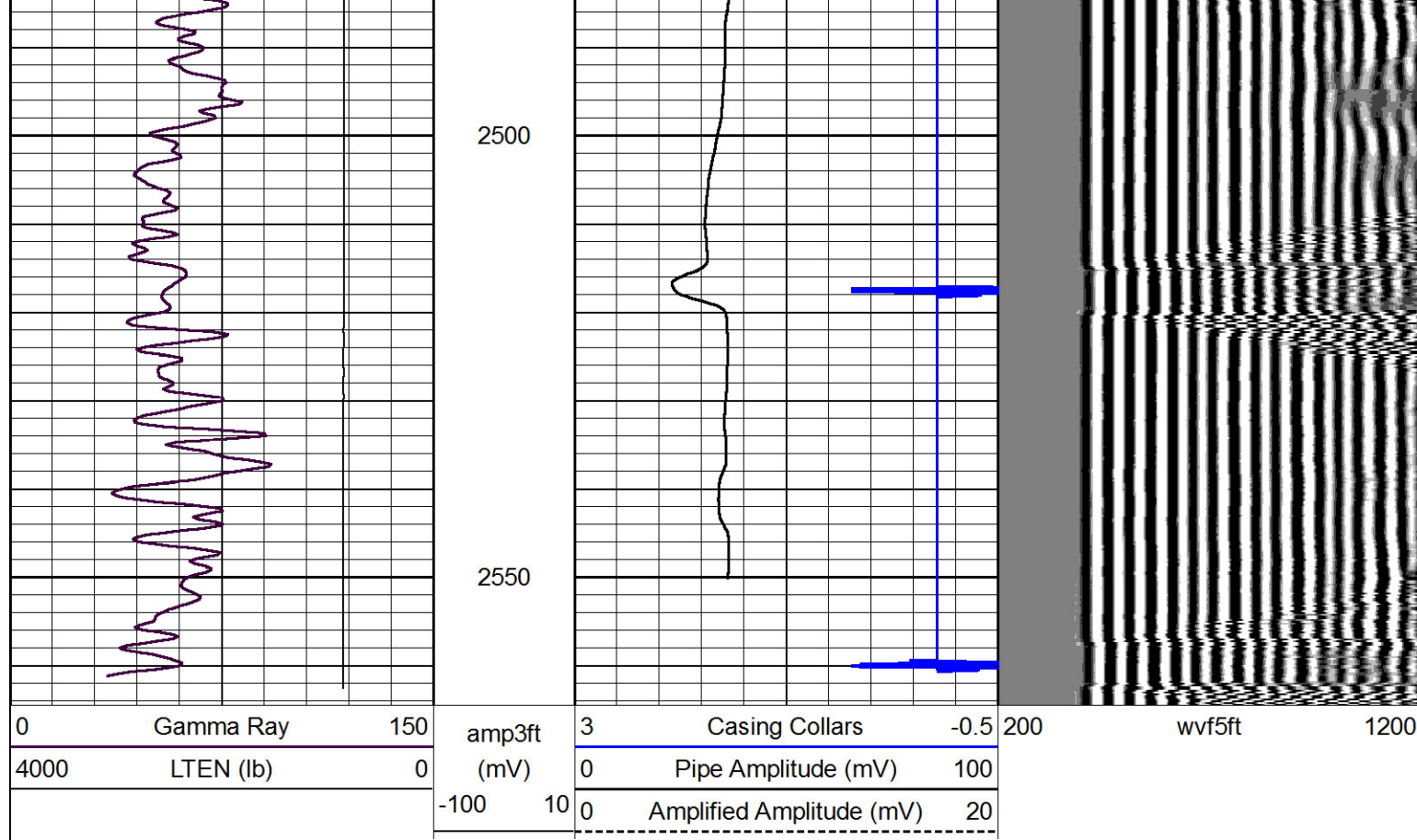
Thank you for using Pioneer Energy Services
785.625.3858

Pence Ks.,
1 1/8 N,
W Into

Database File: shakespheare_tucker1-9.db
Dataset Pathname: grcbl/pass 1.1
Presentation Format: cbldr
Dataset Creation: Mon Jun 24 09:27:24 2013 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

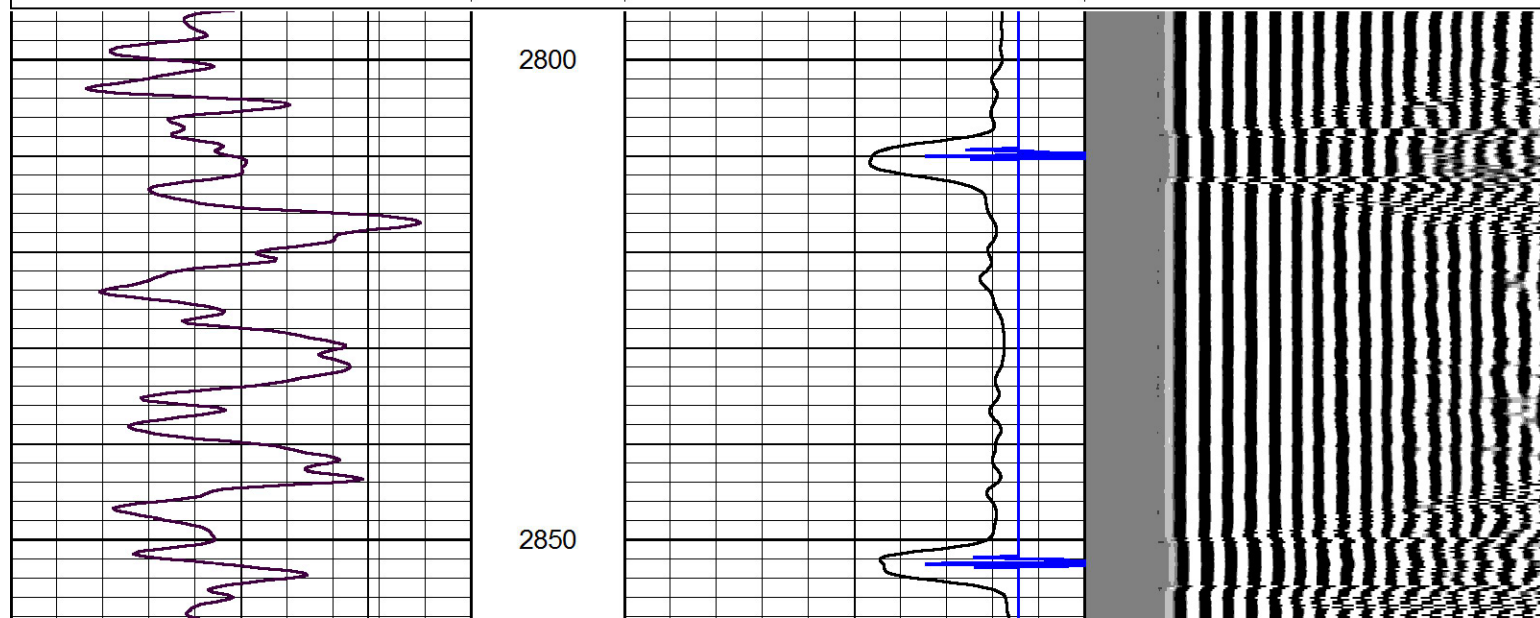
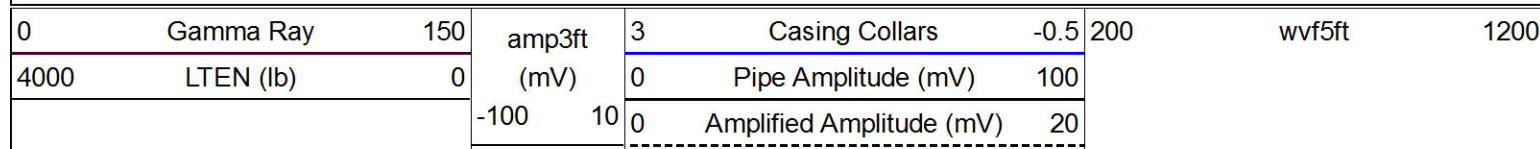
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4000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			

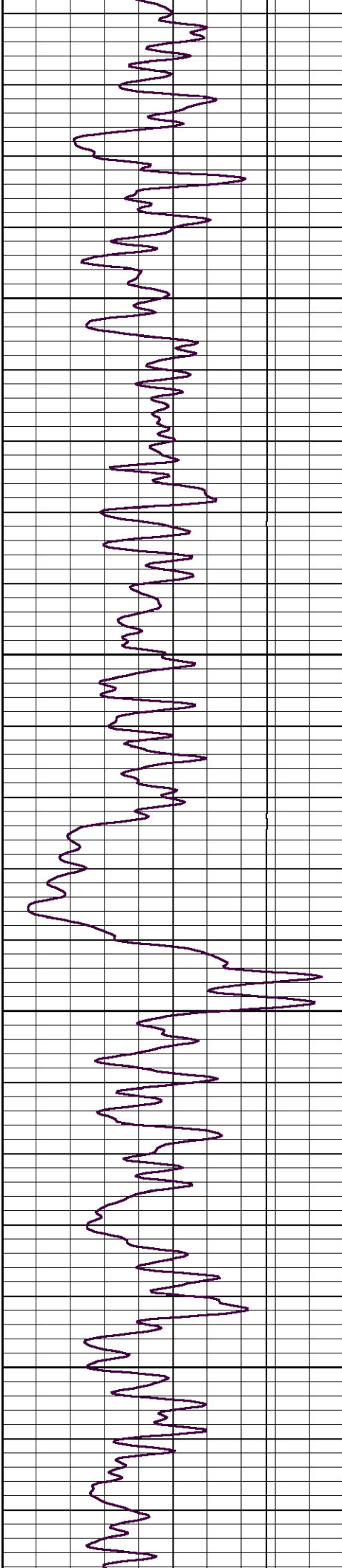




Main Pass

Database File: shakespheare_tucker1-9.db
Dataset Pathname: grcbl/pass2.1
Presentation Format: cbldr
Dataset Creation: Mon Jun 24 10:12:46 2013 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240



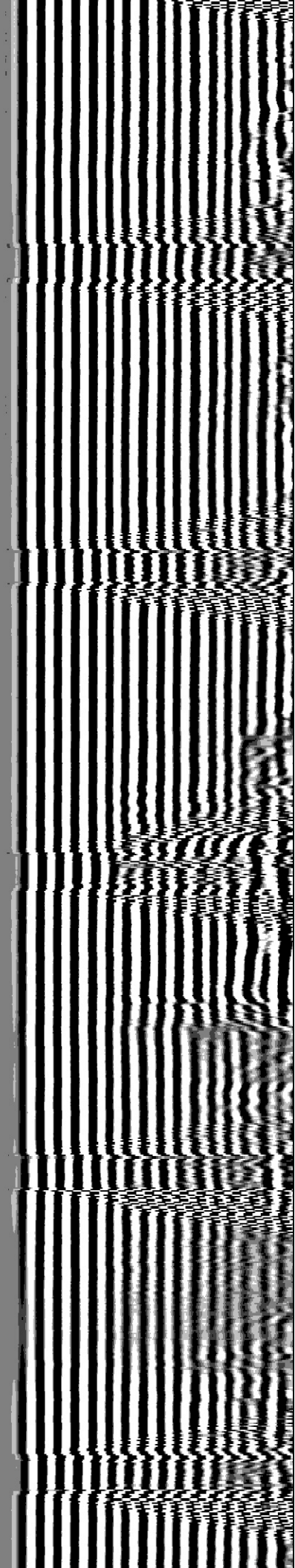
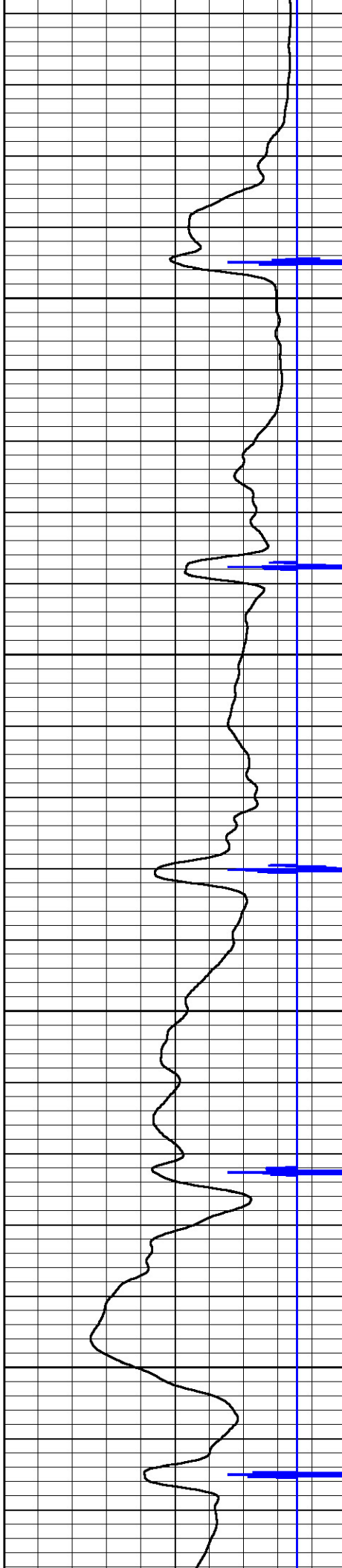


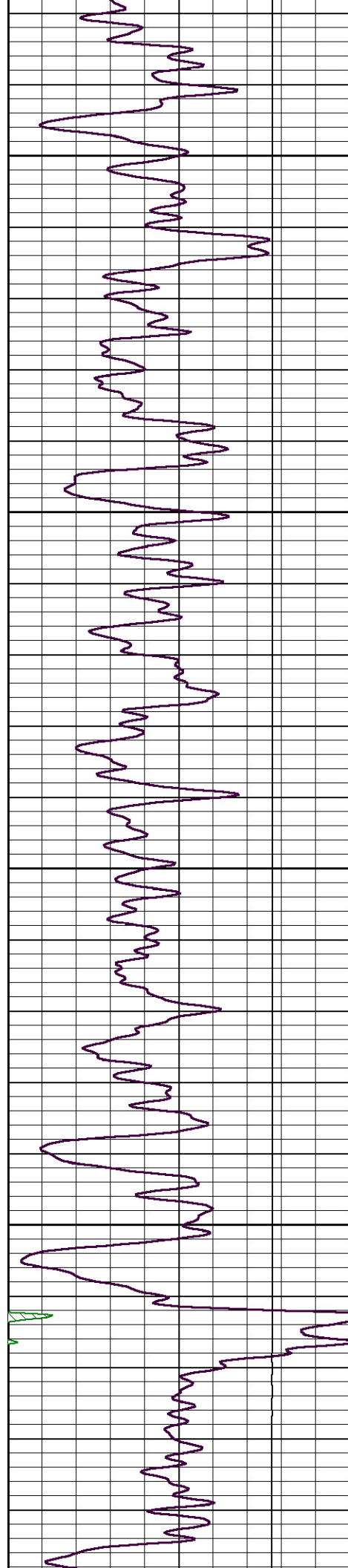
2900

2950

3000

3050



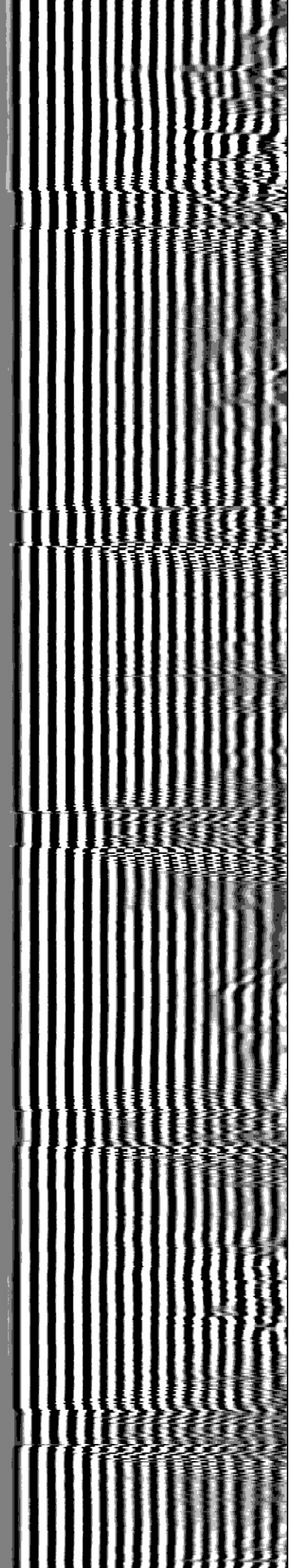
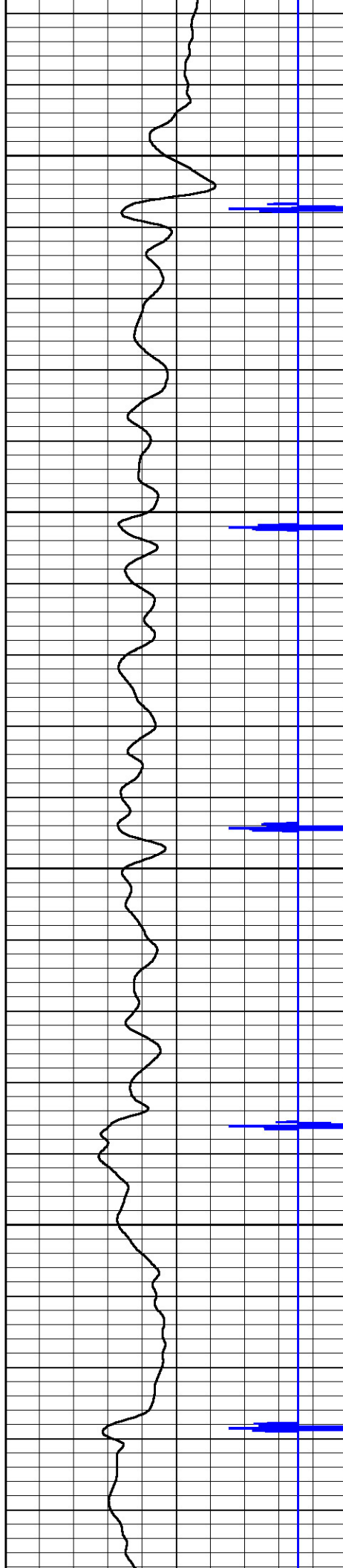


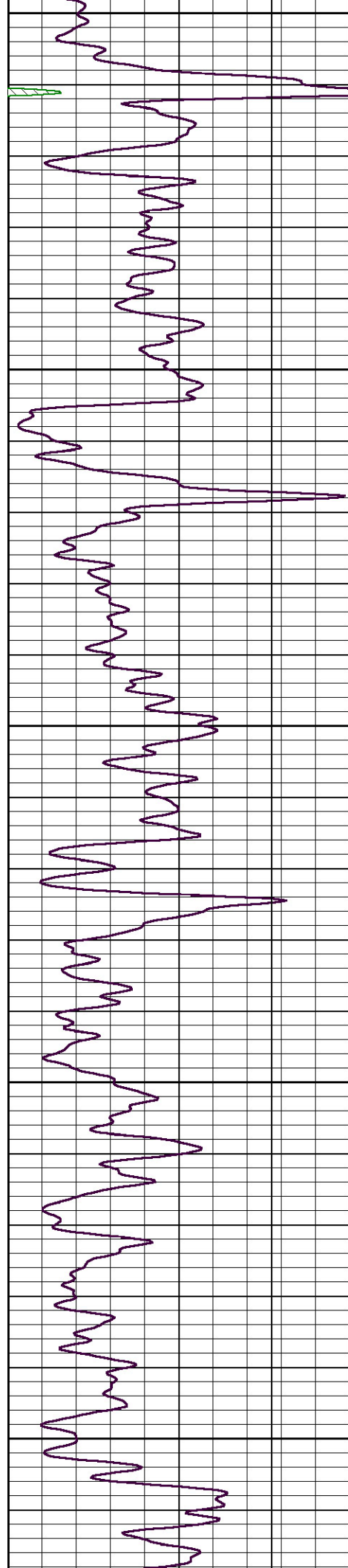
3100

3150

3200

3250





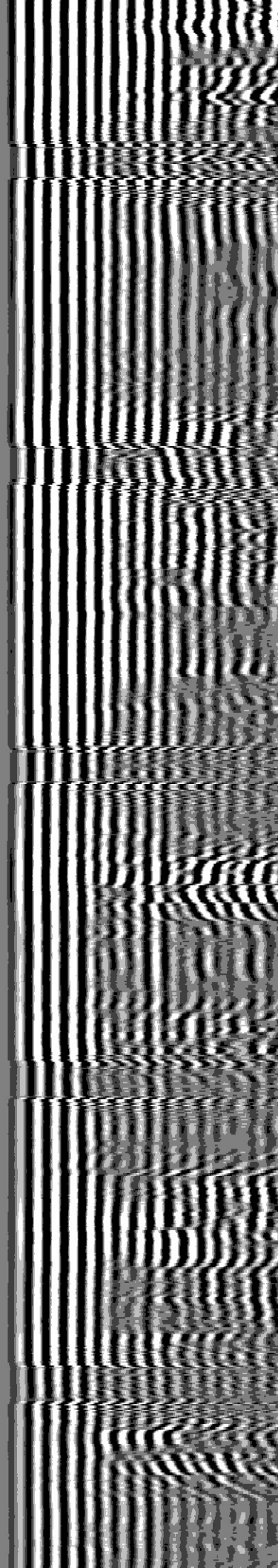
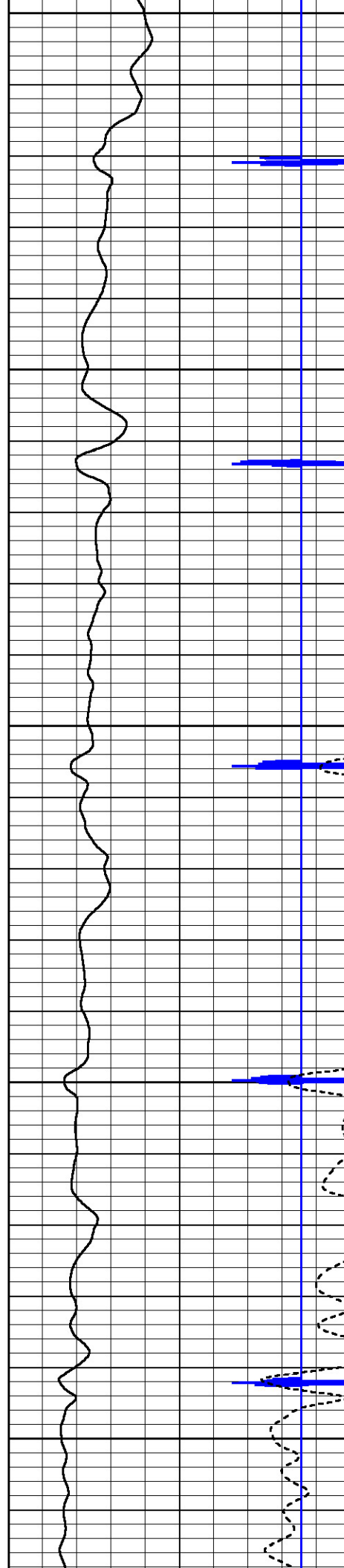
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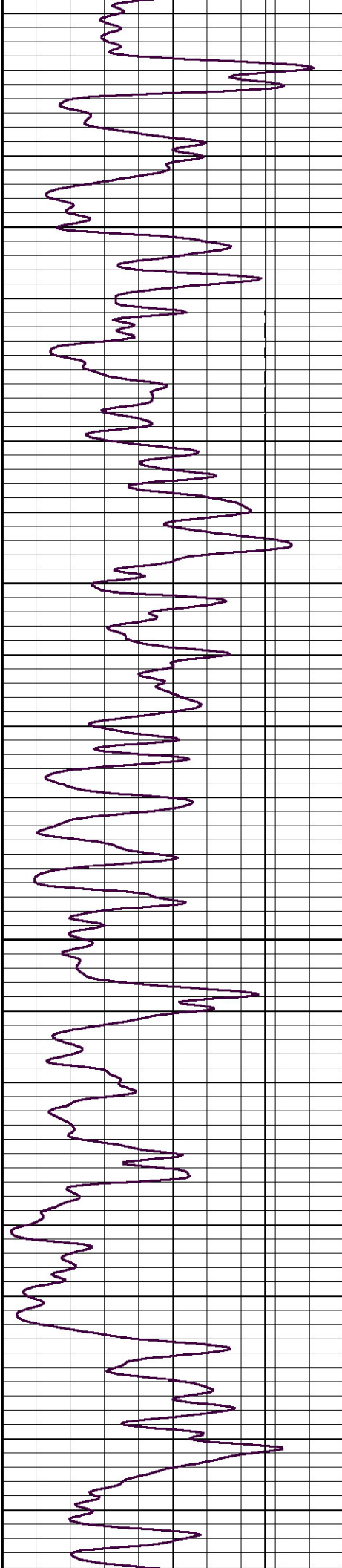
3350

3400

3450

3500



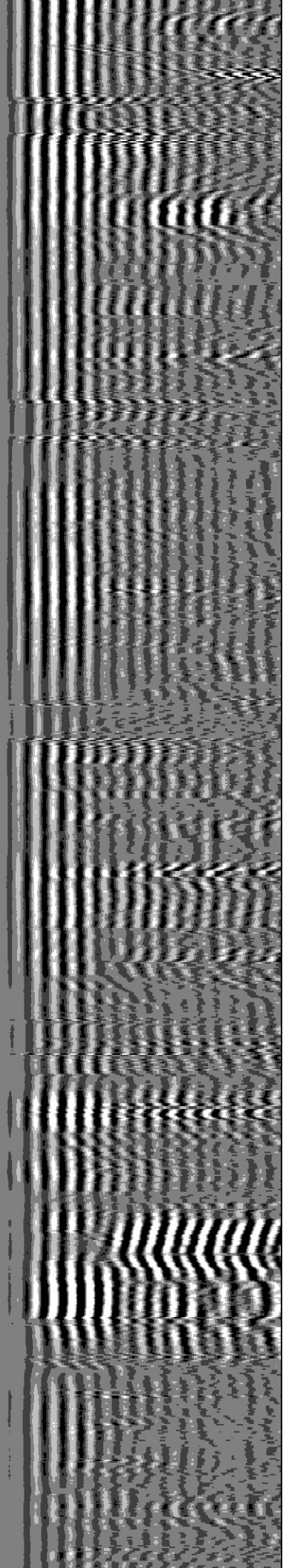
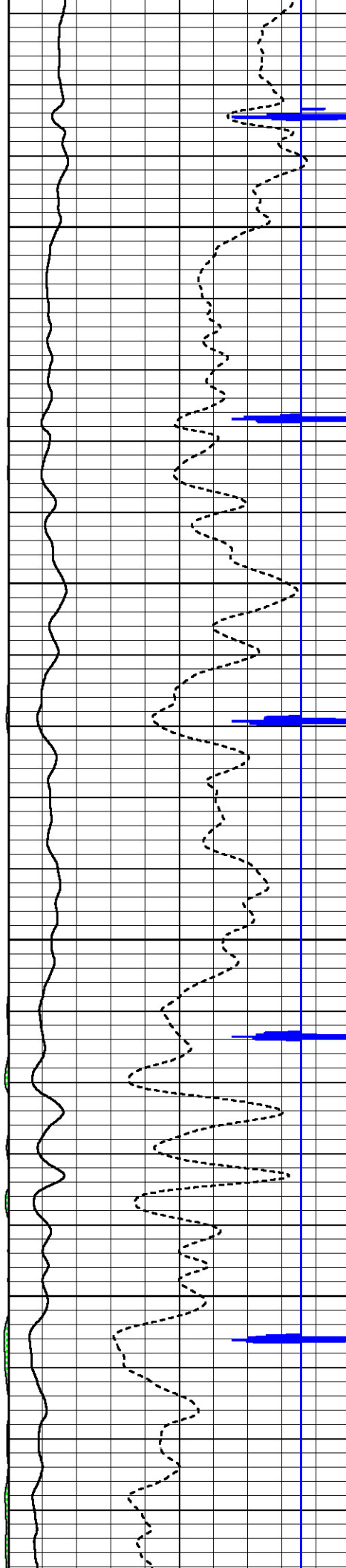


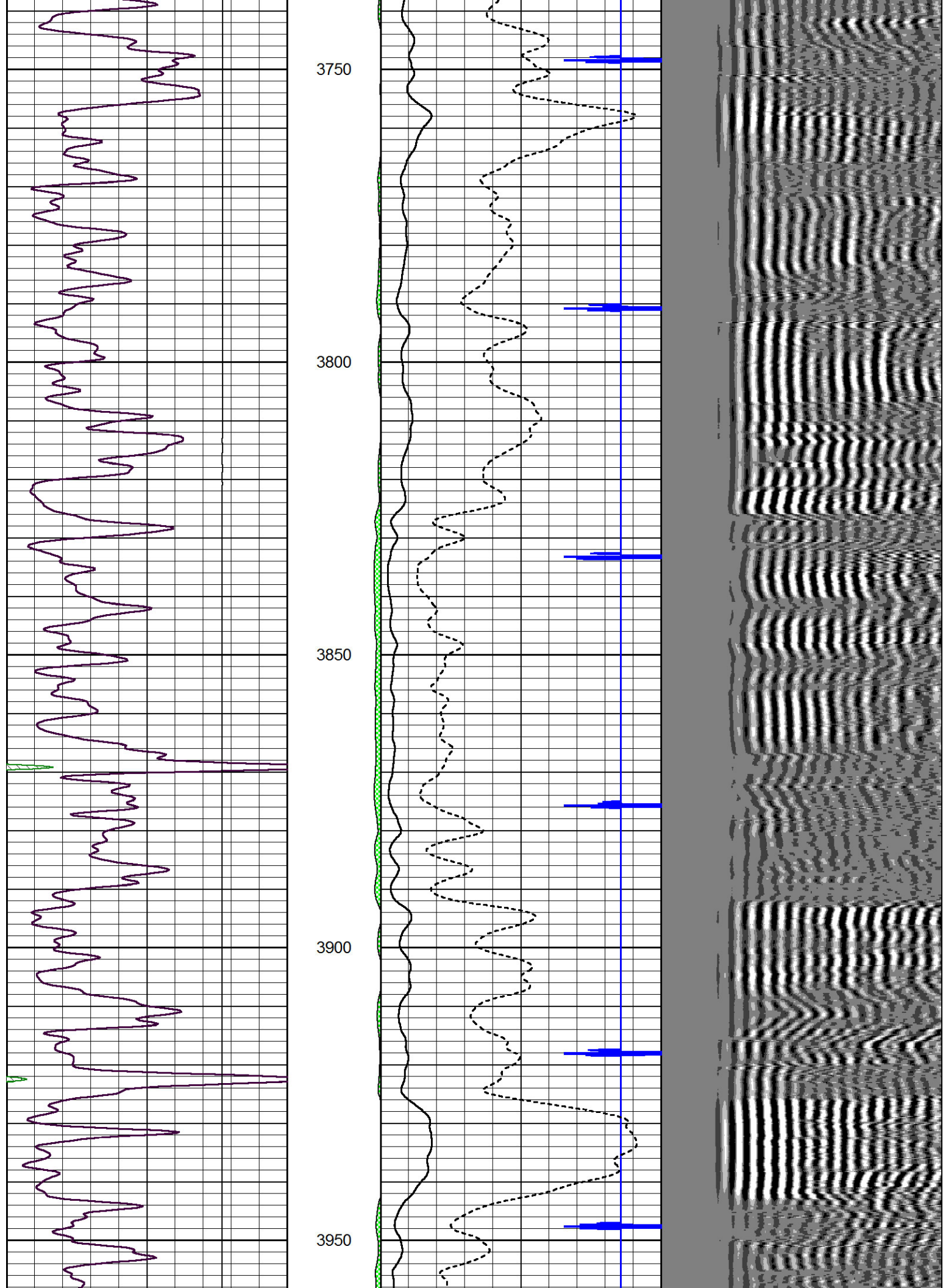
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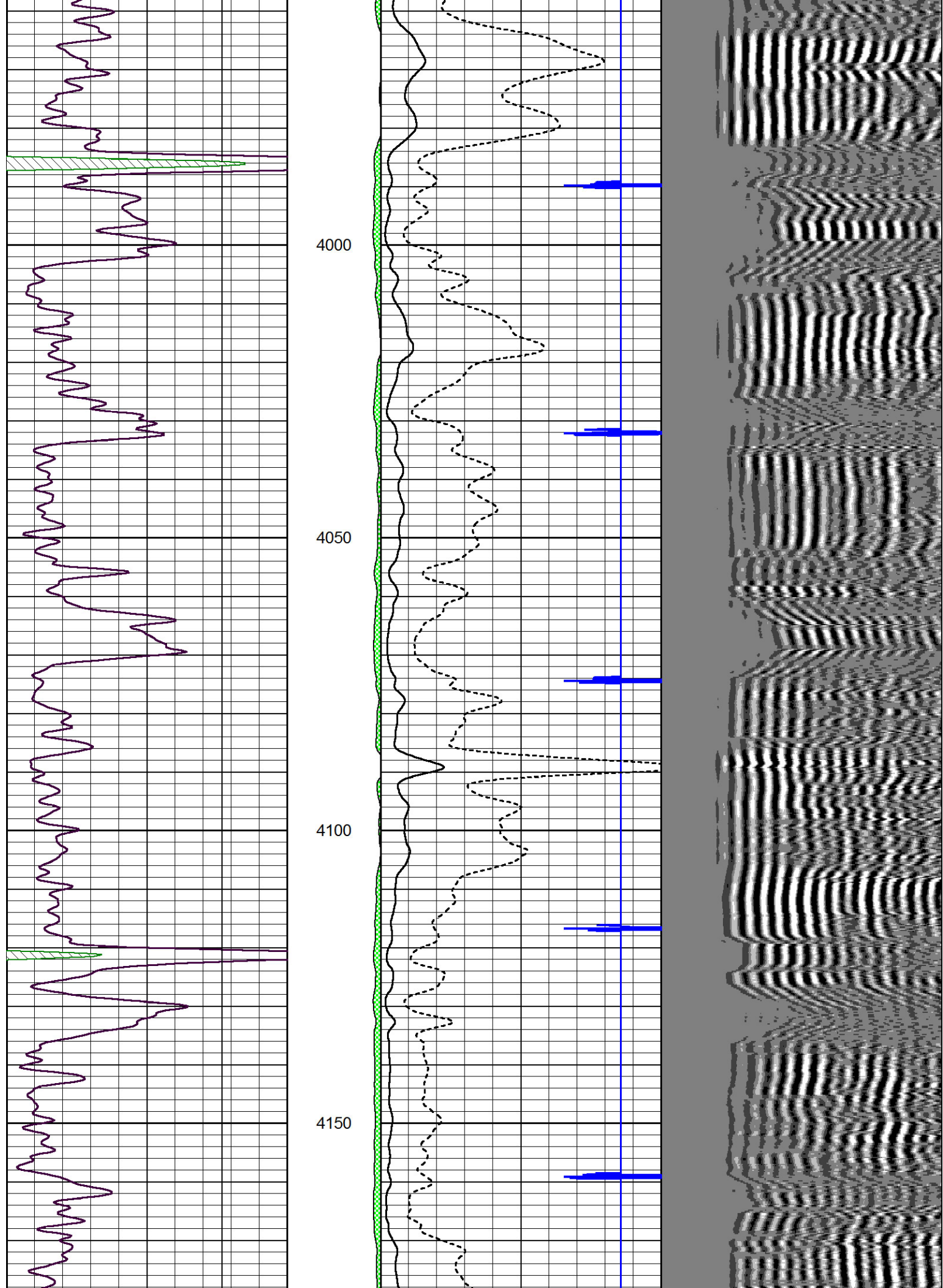
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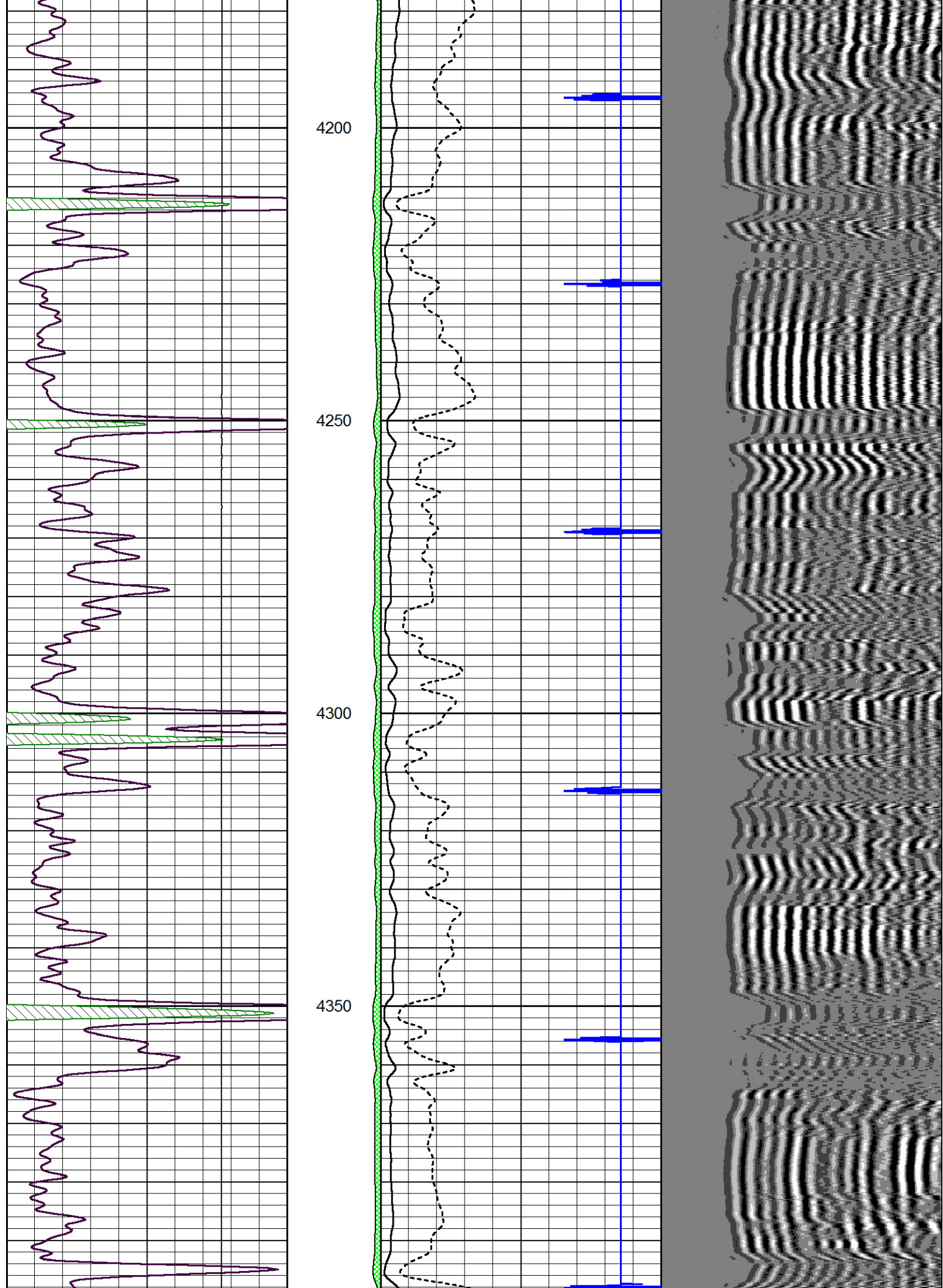
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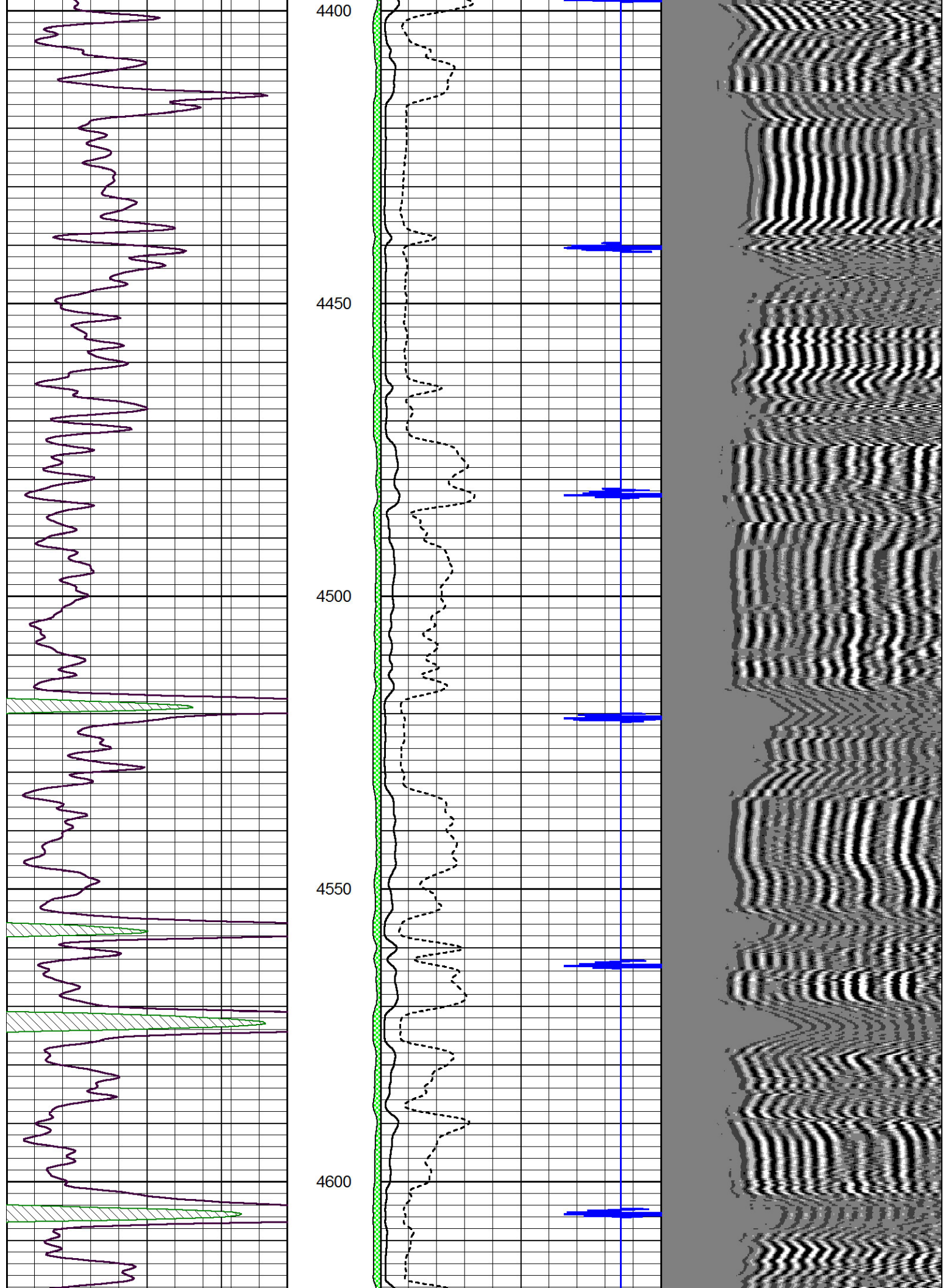
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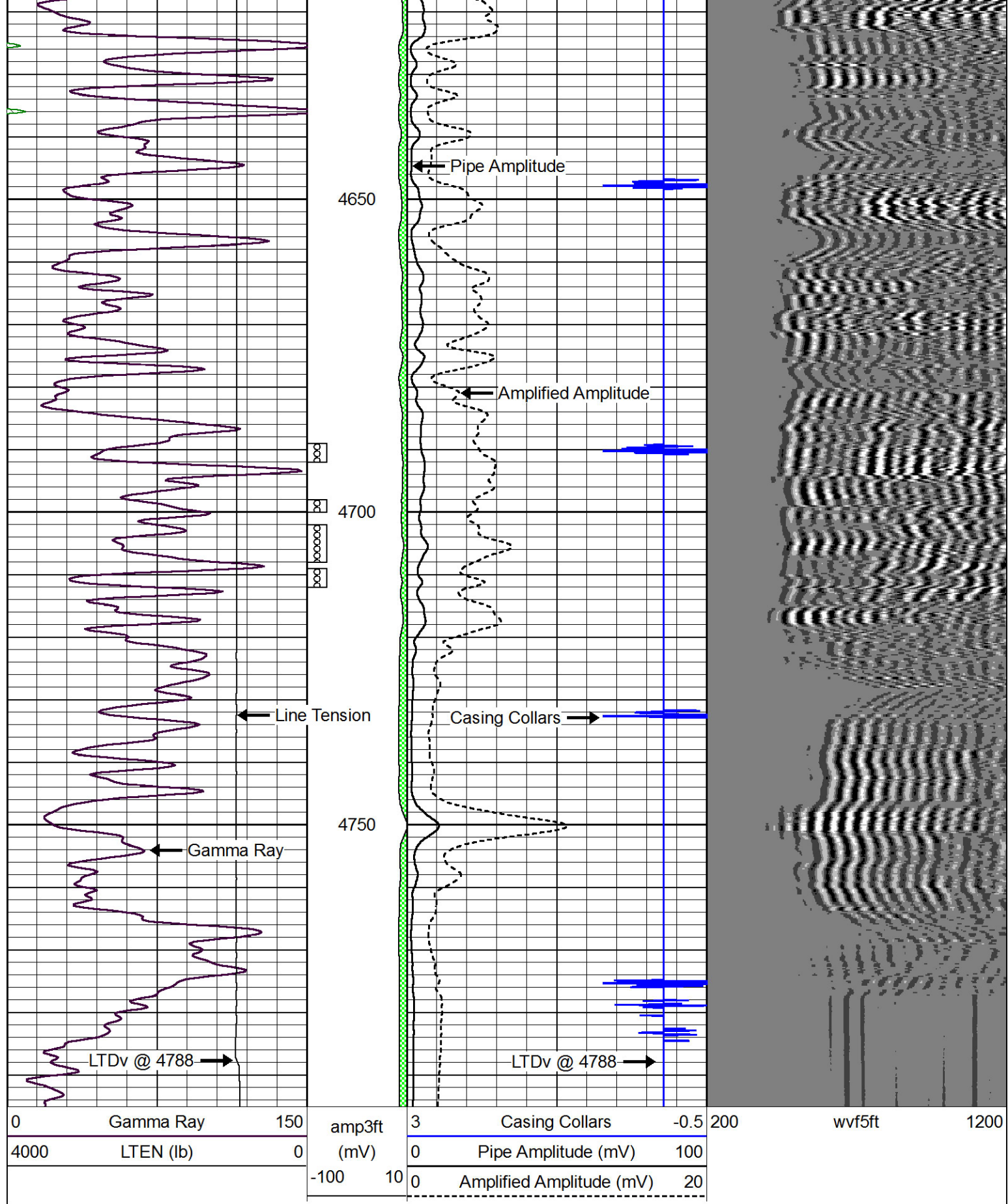












Database File: shakespheare_tucker1-9.db
Dataset Pathname: grcbl/pass1.2
Presentation Format: cbldr
Dataset Creation: Mon Jun 24 09:58:23 2013 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

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4000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			

