



Sonic Cement Bond Log

Ph. (785) 625-3858

API No.

15-195-22,785-00-00

Company **Herman L Loeb, LLC**

Well **Eva Richardson No. 4-19**

Field **Mong**

County **Trego**

State **Kansas**

Location

SE SW NE SE
1520' FSL & 985' FEL

Other Services

PORTABLE MAST

Sec: 19 Twp: 11 S Rge: 22 W

Elevation

Permanent Datum Ground Level Elevation 2291
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2301
D.F.
G.L. 2291

Run Number

One

Date Survey

06/13/2012

Date Cementing

06/05/2012

Type Cementing Operation

Primary

Depth Driller

3990

Depth Logger

3960

Logged Interval

3959 to 2450

Casing Driller

5.5 @ TD

Float Collar -- D.V. Tool

1881 @

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

2544

Calculated Cement Top

////

Max. Hole Temperature

116

Tool No.

PRB771

Spacing Recorded

3' 5'

Equipment -- Location

71 Hays

Recorded By

Scott Clermont

Witnessed By

Roland Nyp

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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

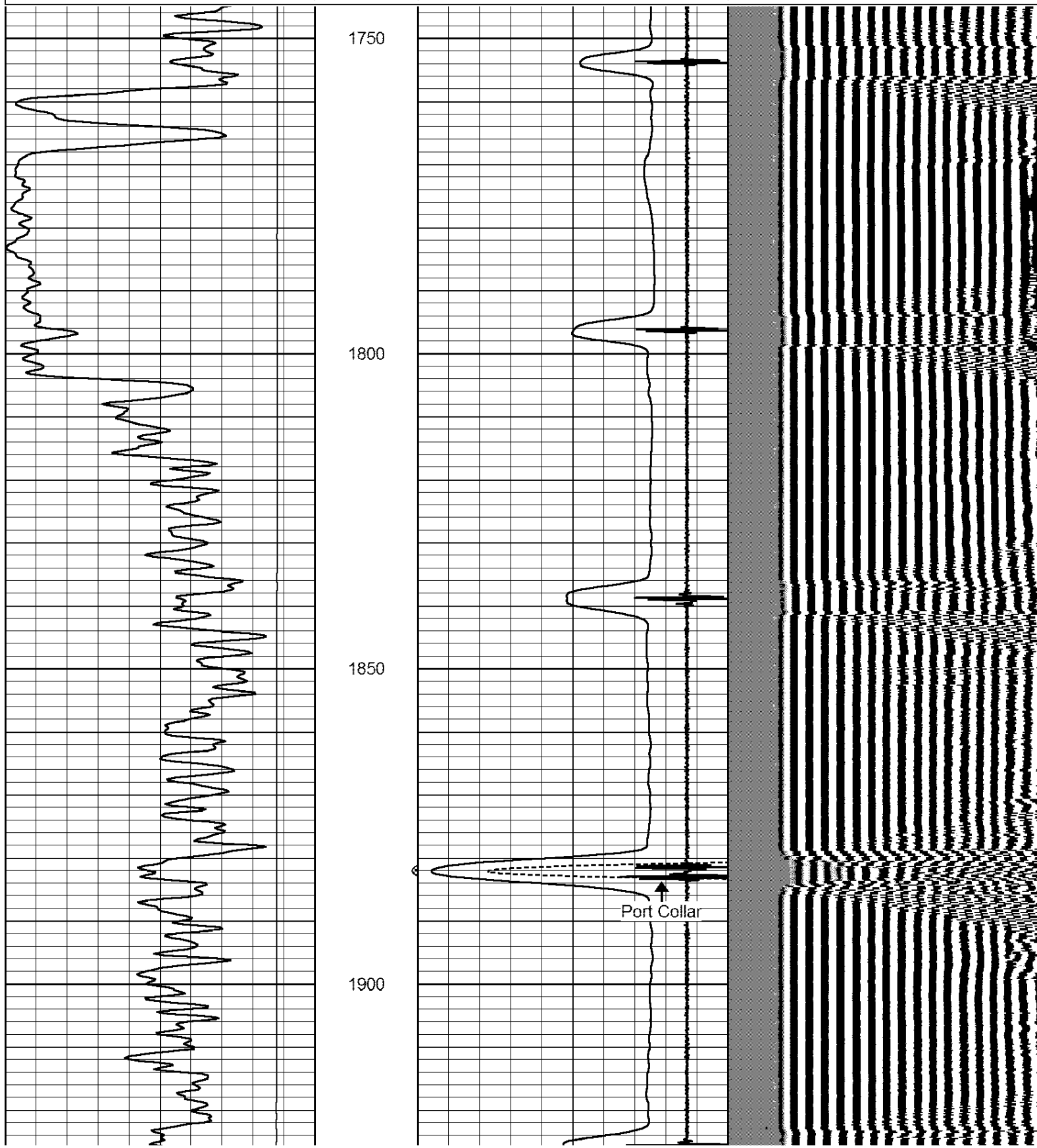
Wakeeney Ks (North Edge), 4 East on H Rd.,
3.5 North, West Into on North Side of Tank Battery

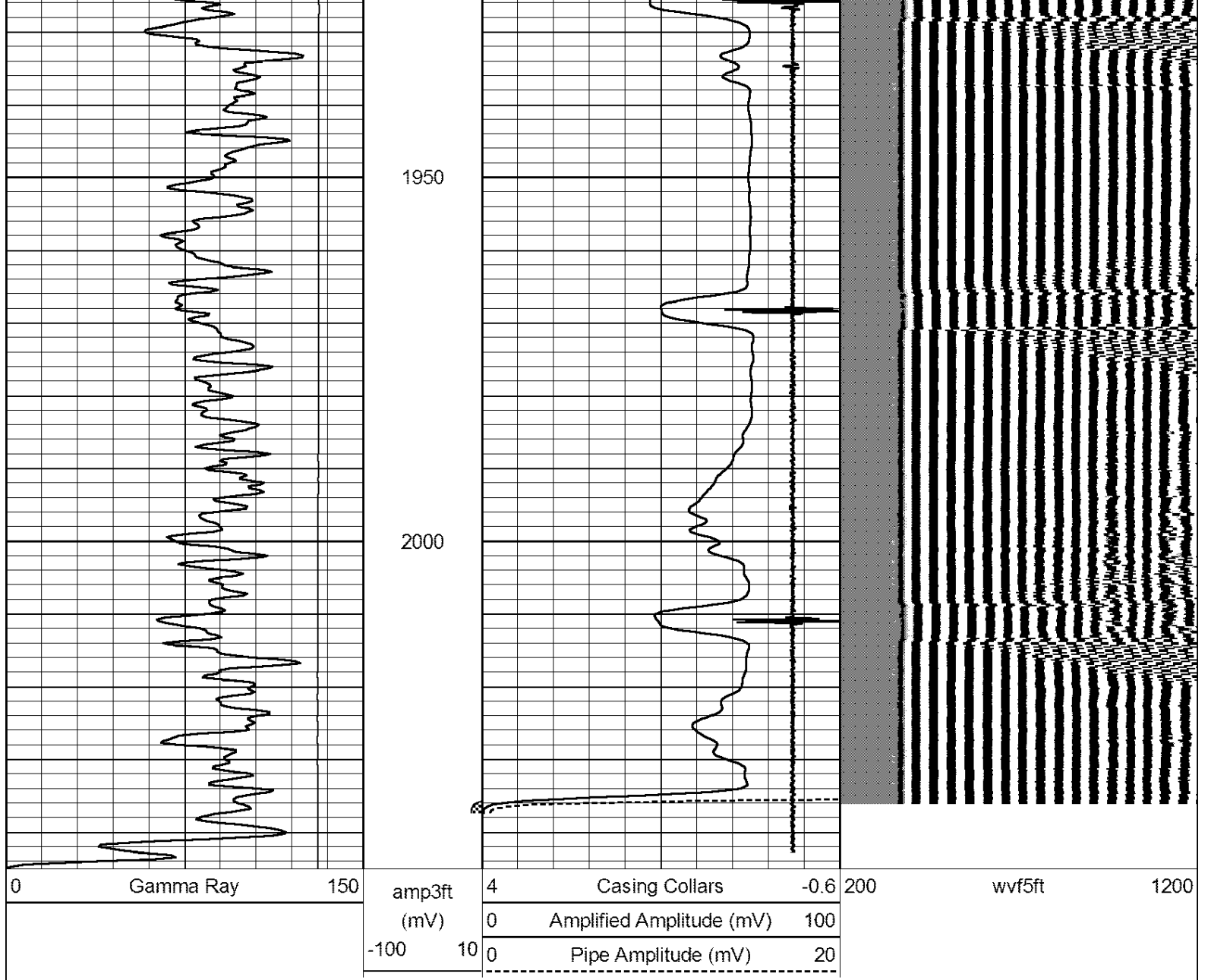


Port Collar @ 1881

Database File: hermanloeb_evarich_4-19.db
Dataset Pathname: grcbl/pass5
Presentation Format: cbldr
Dataset Creation: Wed Jun 13 13:40:27 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	4	Casing Collars	-0.6	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			

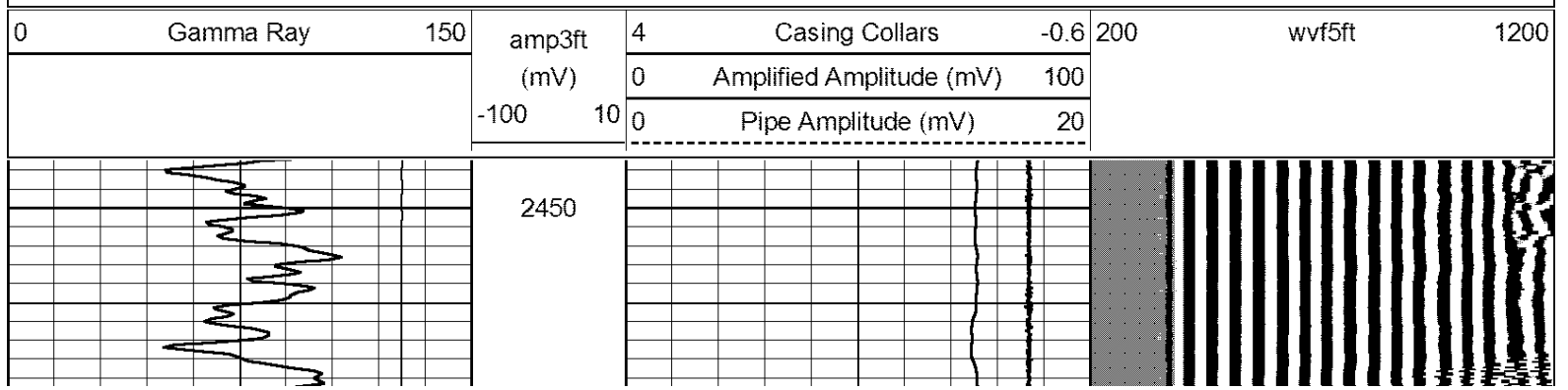


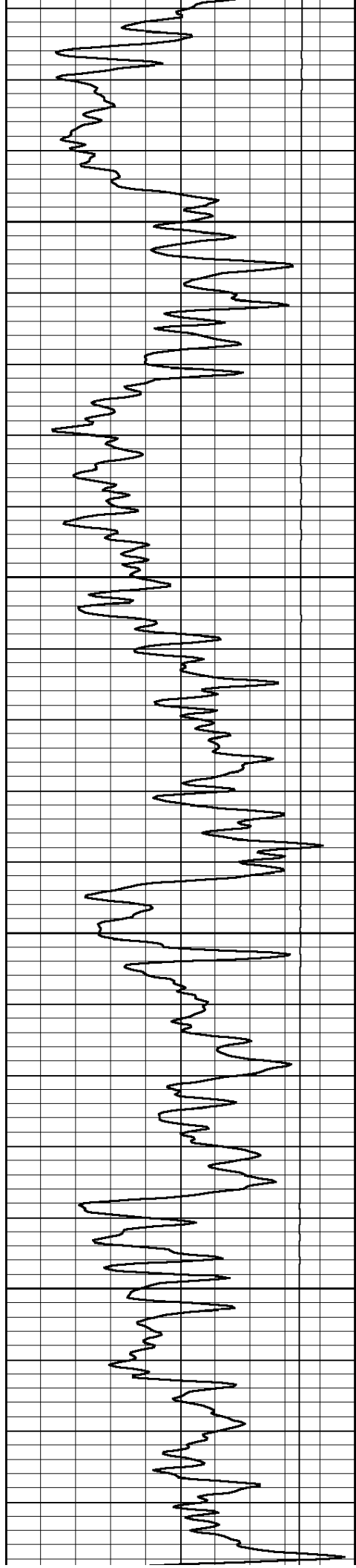


LOG-TECH

Main Pass

Database File: hermanloeb_evarich_4-19.db
 Dataset Pathname: grcbl/pass4
 Presentation Format: cbldr
 Dataset Creation: Wed Jun 13 13:06:24 2012 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240





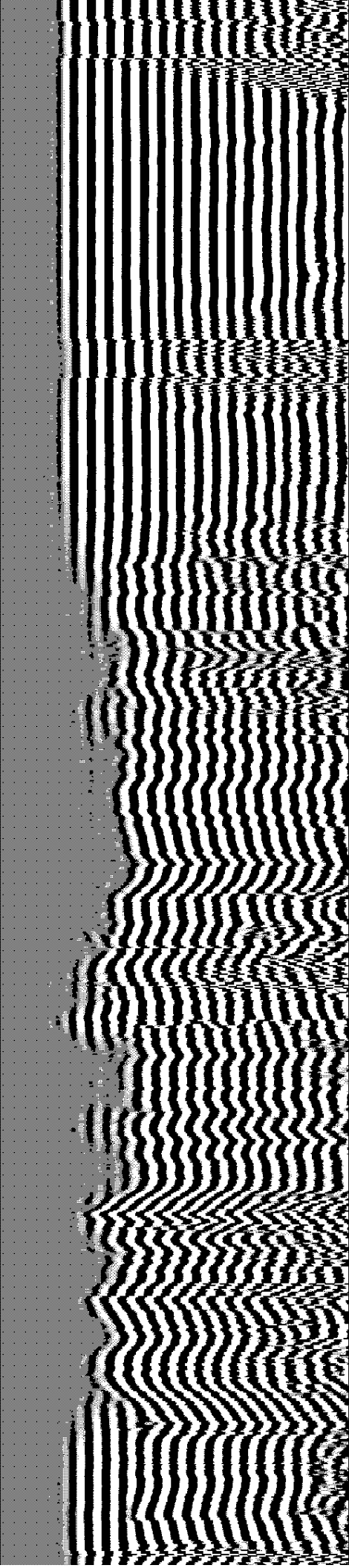
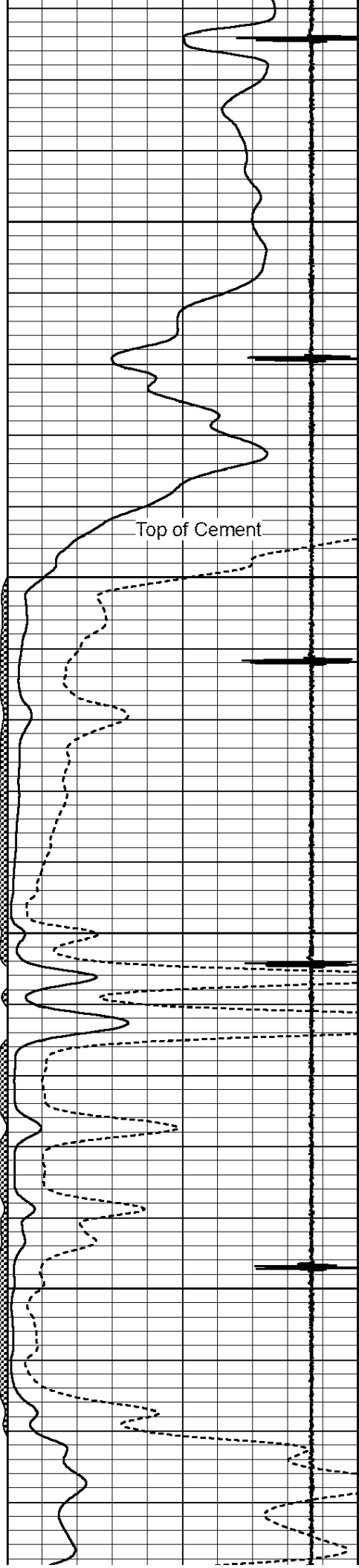
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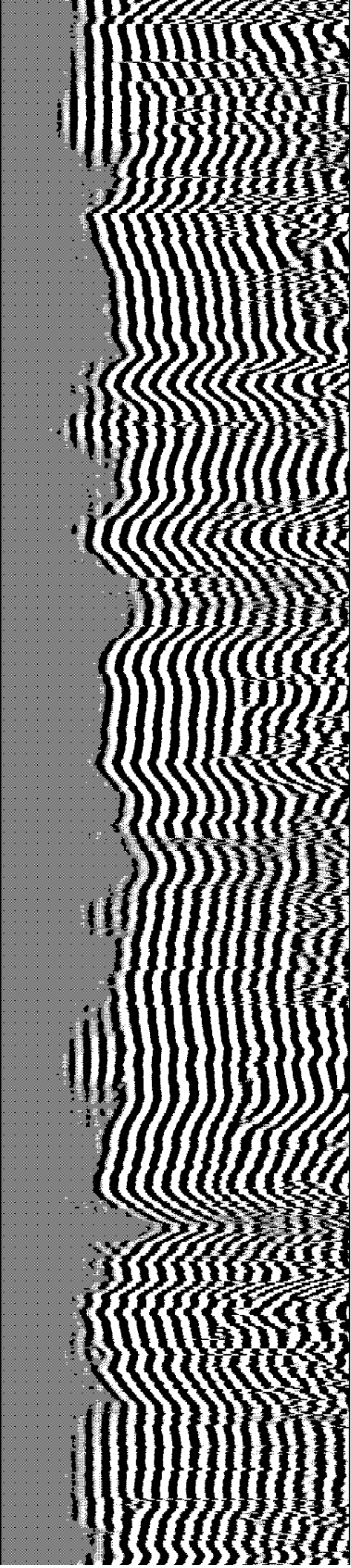
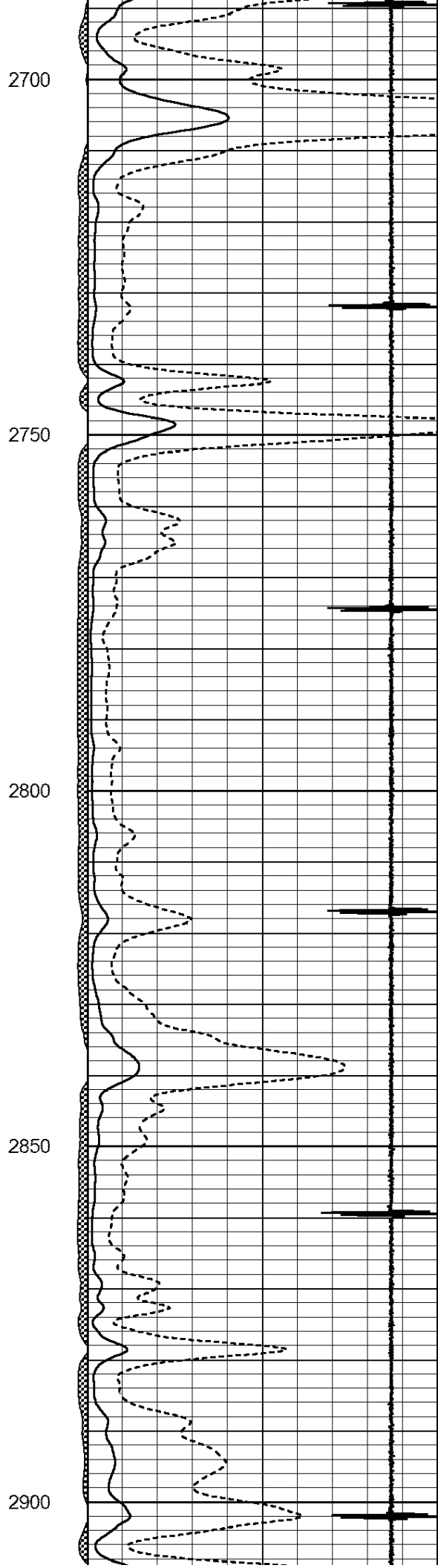
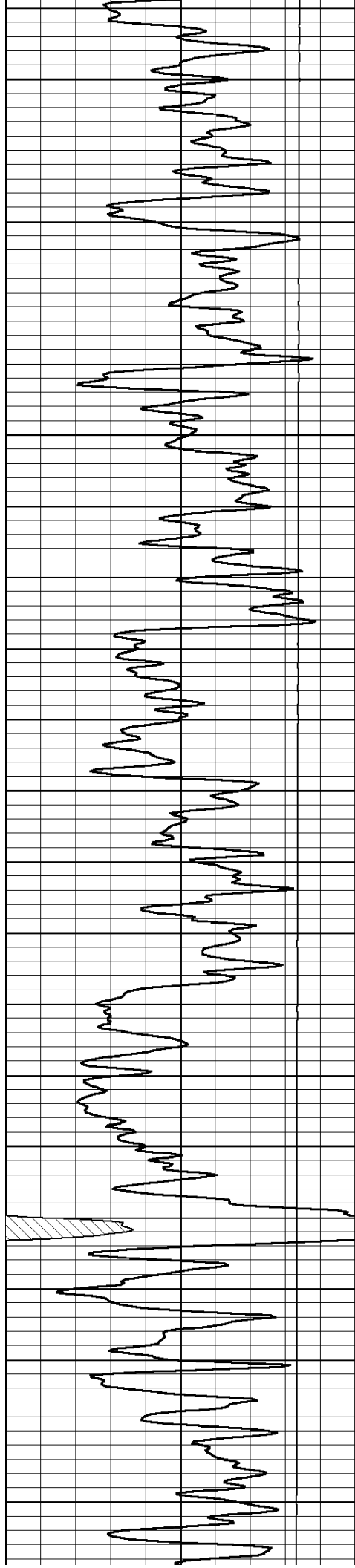
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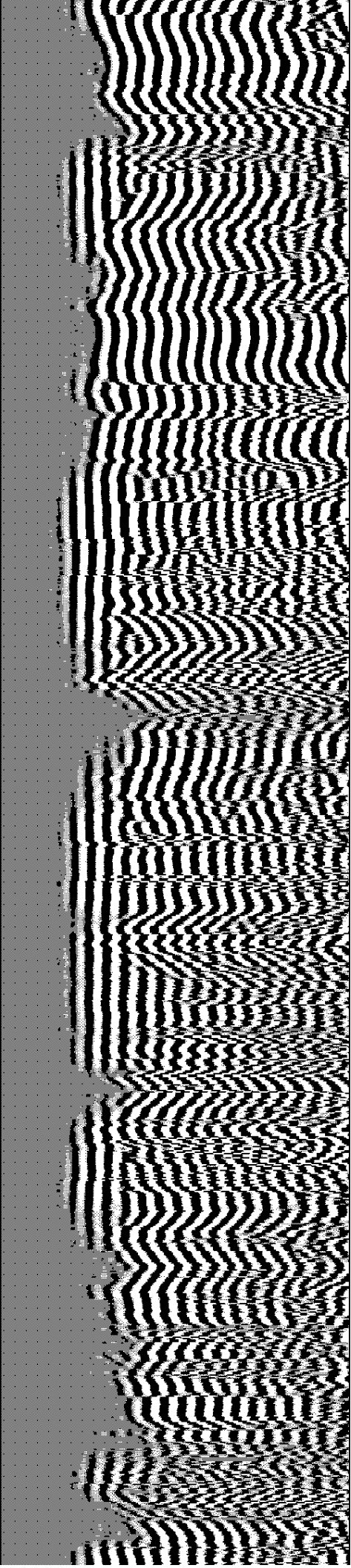
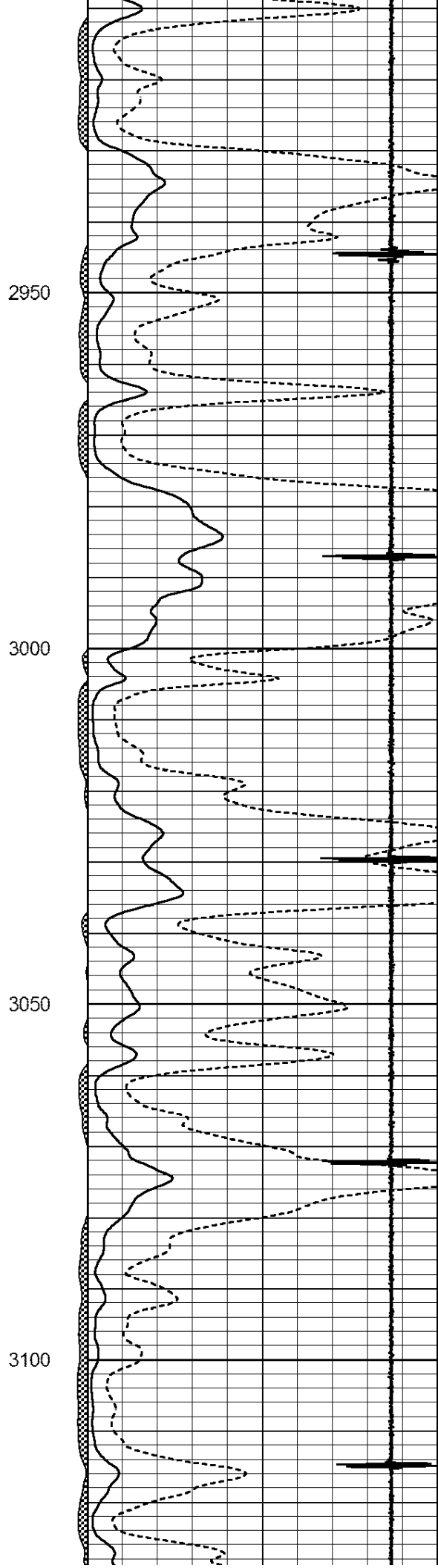
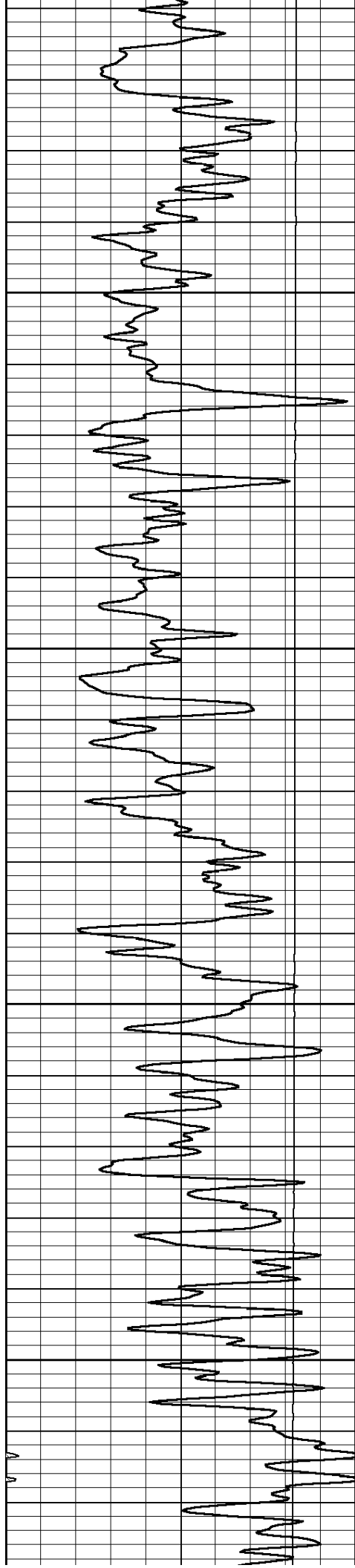
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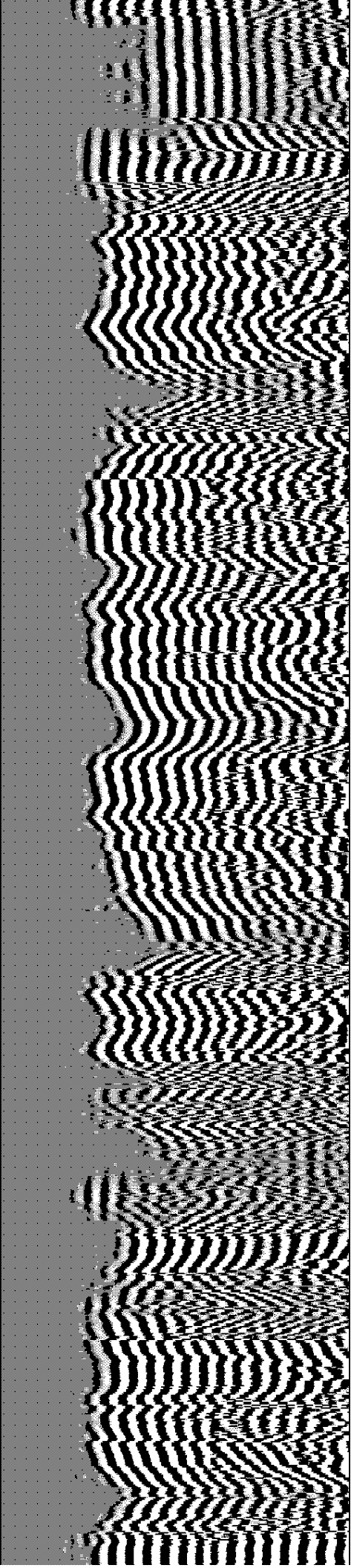
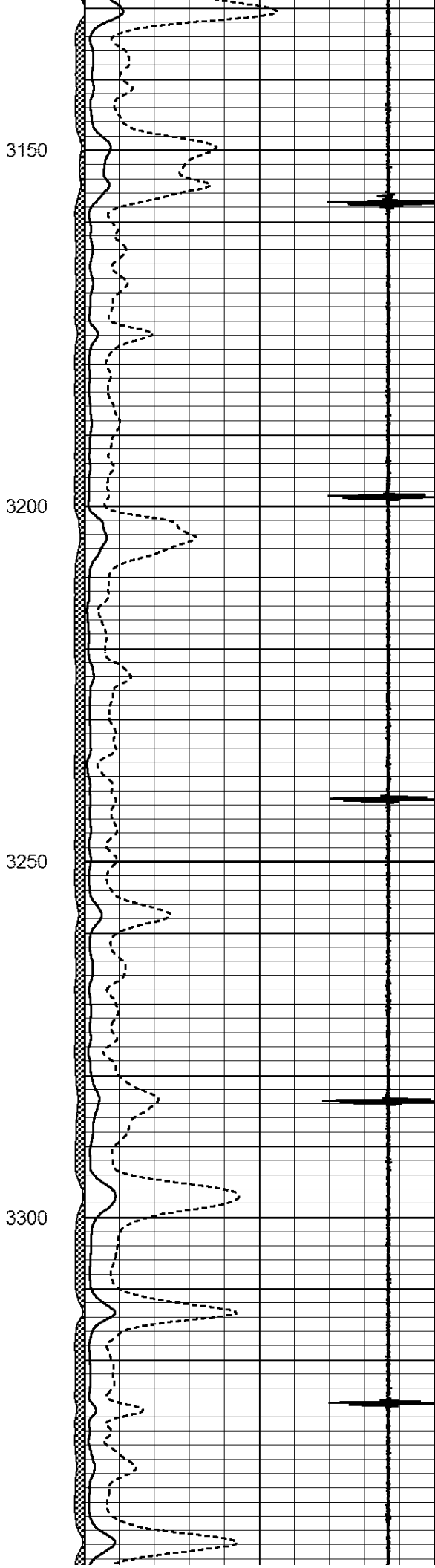
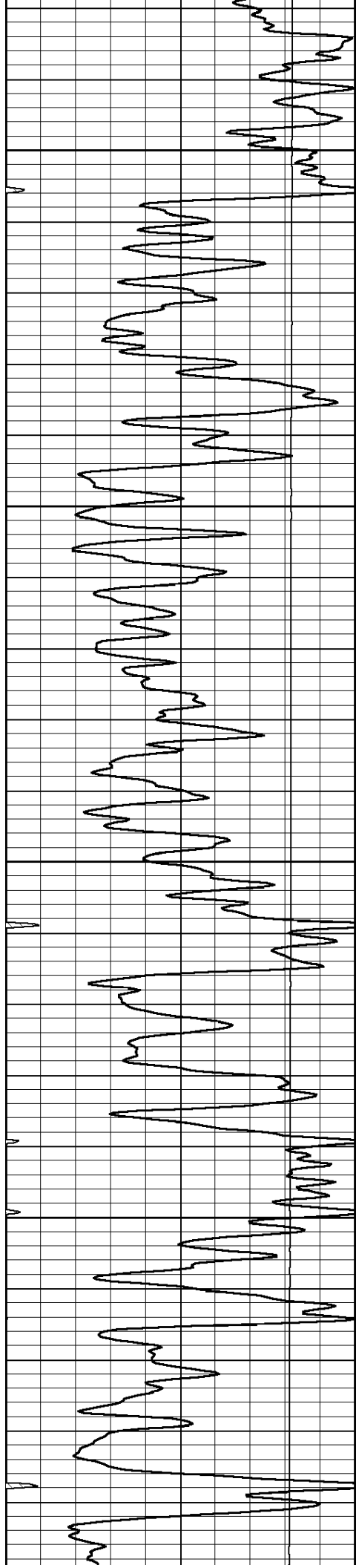
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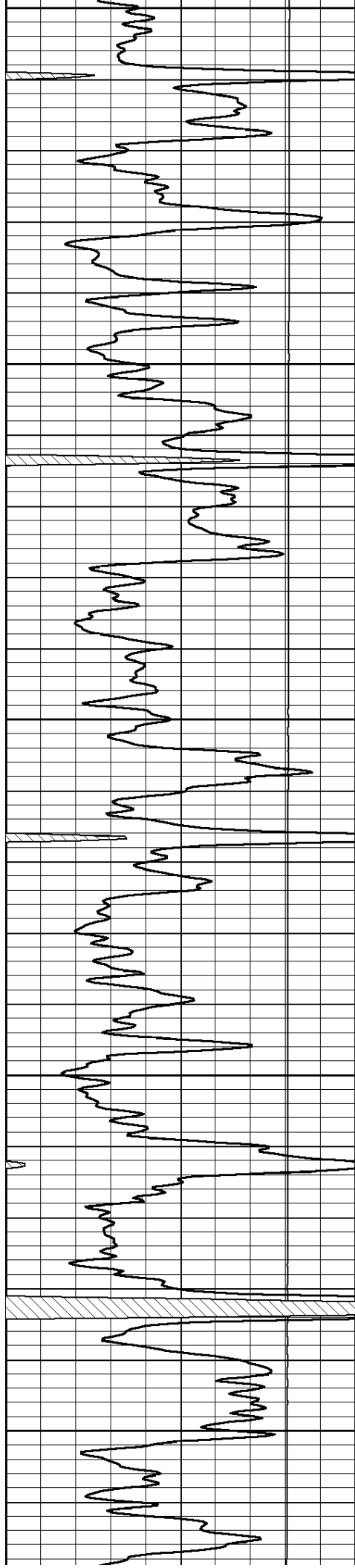
Top of Cement











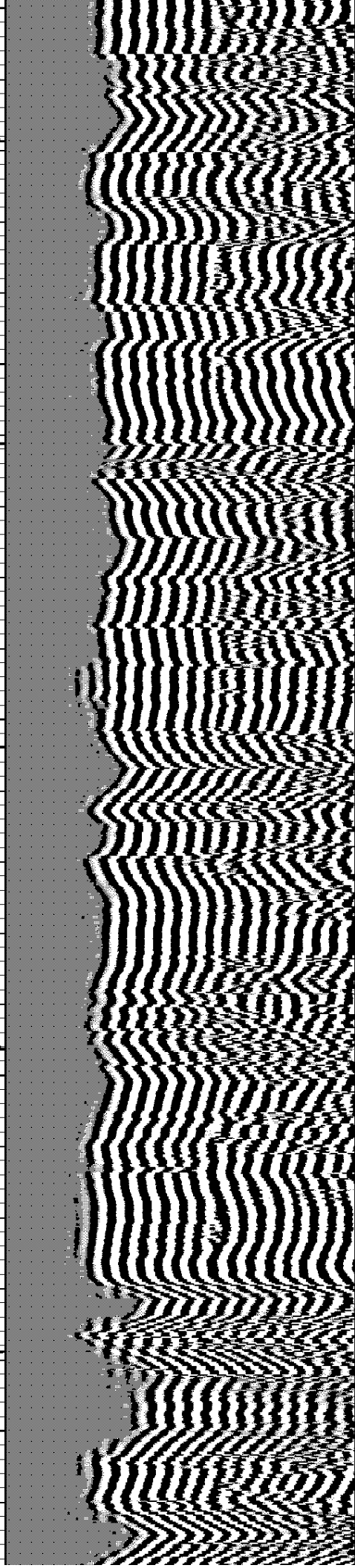
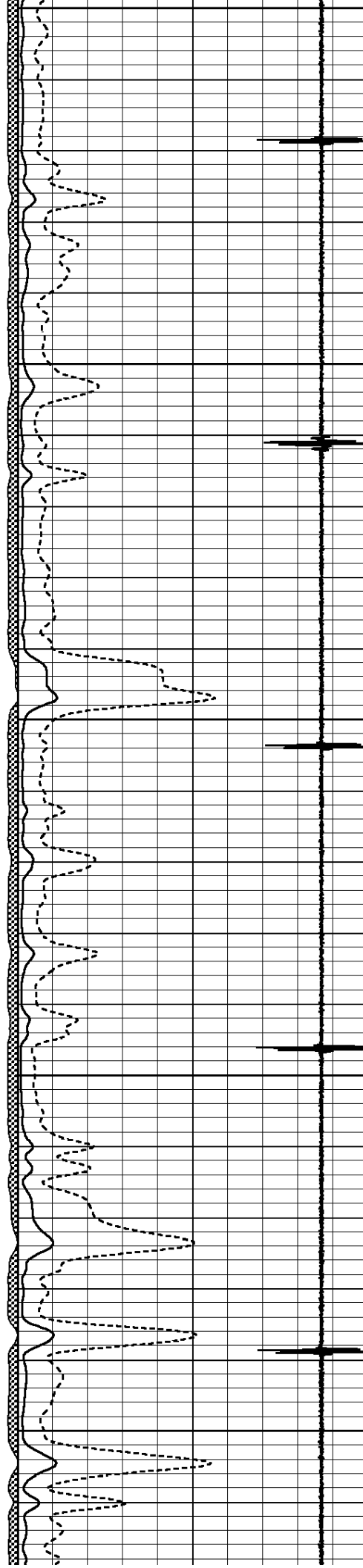
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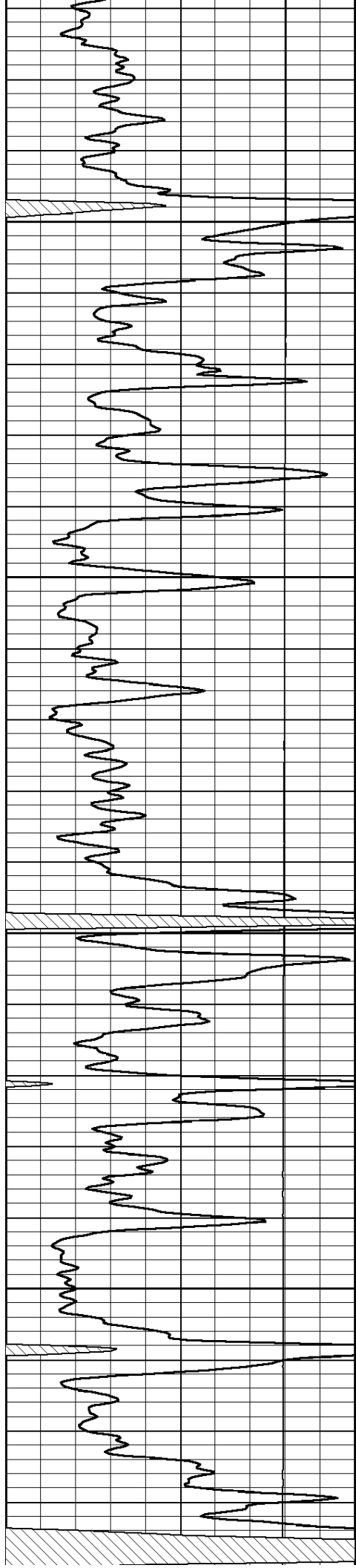
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3450

3500

3550



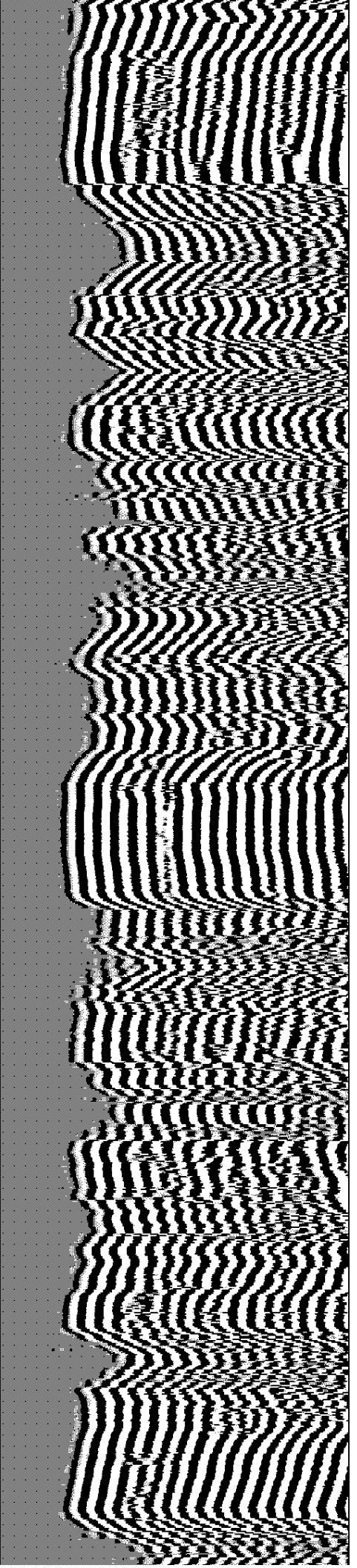
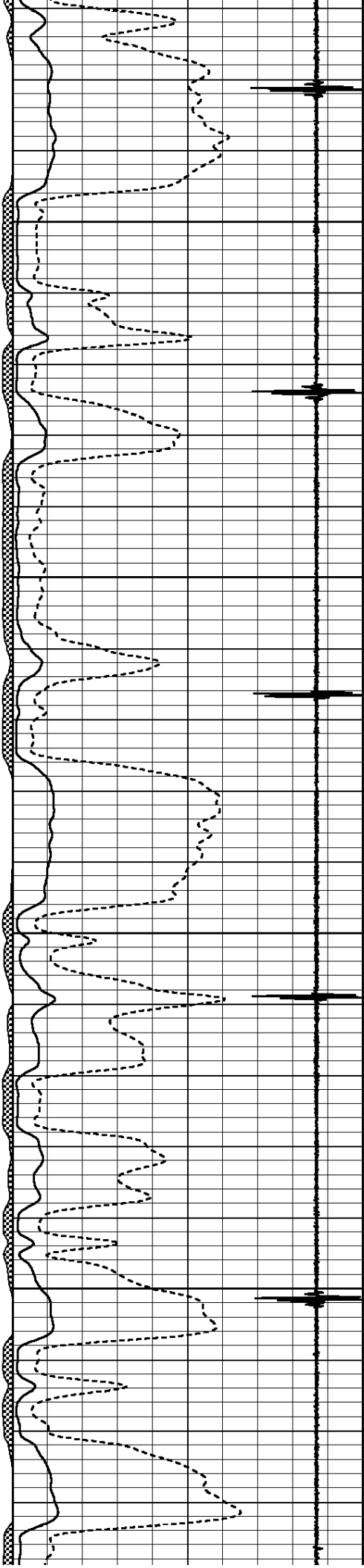


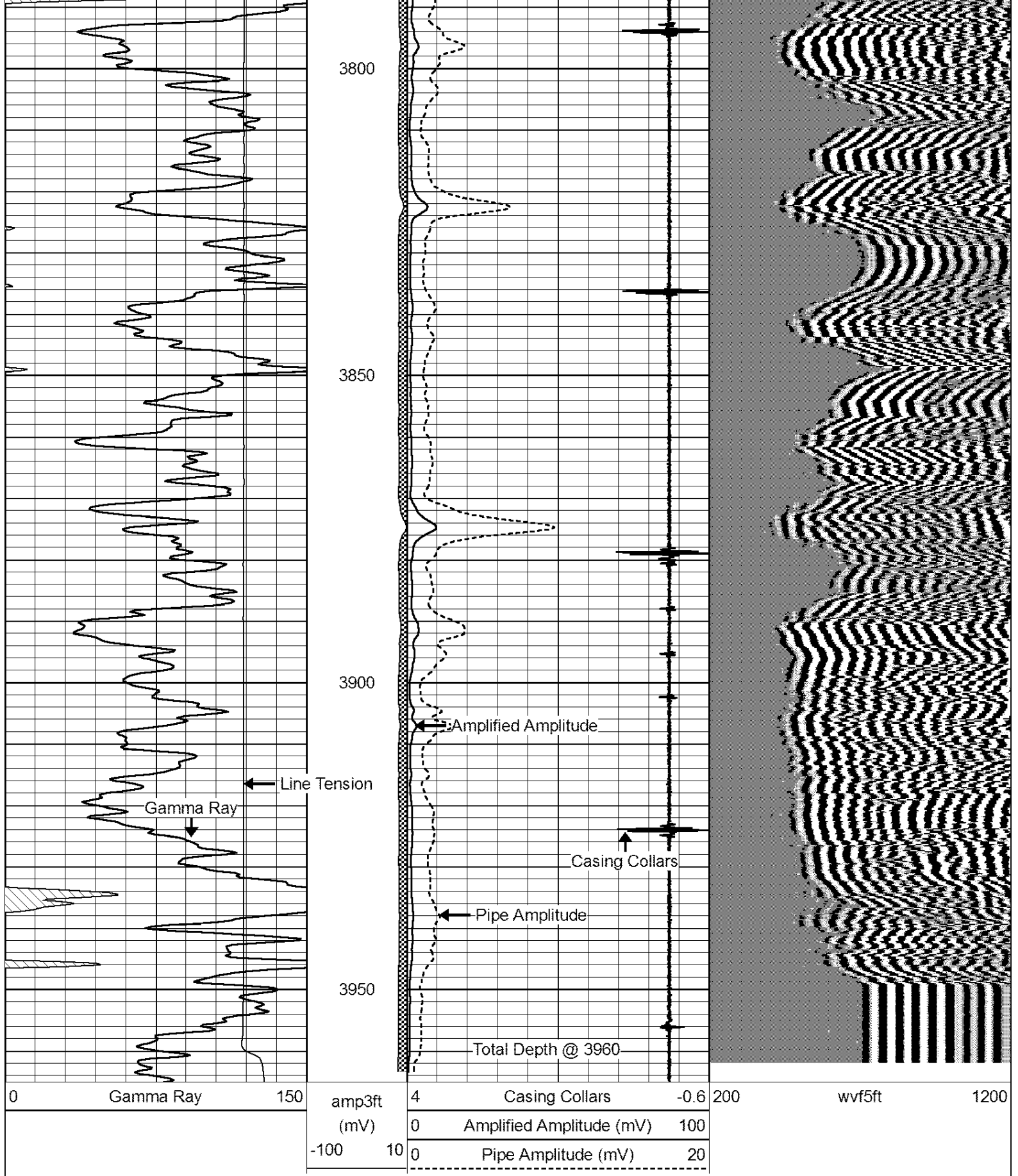
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3650

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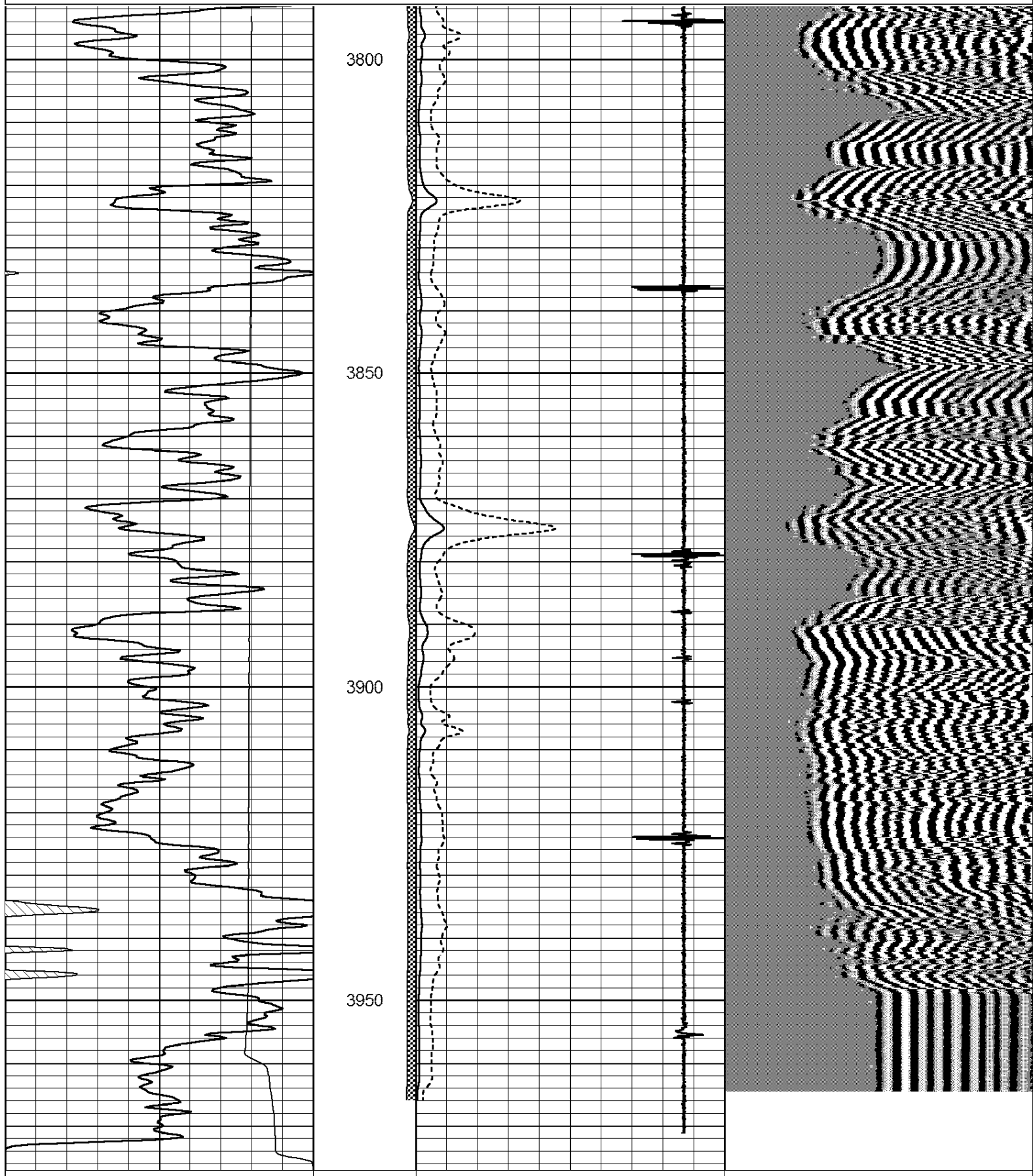
3750





Database File: hermanioeb_evarich_4-19.db
Dataset Pathname: grcbl/pass3
Presentation Format: cbldr
Dataset Creation: Wed Jun 13 12:59:17 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	4	Casing Collars	-0.6	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			



0	Gamma Ray	150	amp3ft	4	Casing Collars	-0.6	200	wvt5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			