



(785) 625-3858

Sonic Cement Bond Log

15-051-26233-00-00

Company **Central Operating, Inc.**
Well **Fredd Haas No. 2**
Field **Dechant West**
County **Ellis** State **Kansas**

Location

2310' FSL & 2260' FWL

Other Services
Perforate

Sec: 1 Twp: 15S Rge: 19W

Permanent Datum Ground Level Elevation 2101
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2106
D.F. 2106
G.L. 2101

Run Number

One

Date Survey

4/25/2012

Date Cementing

3/31/2012

Type Cementing Operation

Primary

Depth Driller

3691

Depth Logger

3688

Logged Interval

3686 to 2650

Casing Driller

5.5 @ T.D.

Float Collar -- D.V. Tool

1299

Squeeze Depth

1111

Amount & Type Cement

1111

Amount & Type Admix

1111

Type Fluid In Hole

Water

Fluid Level

400

Salinity PPM CL

1111

Weight lb/gal -- Vis.

1111

Approx. Logged Cement Top

2820

Calculated Cement Top

1111

Max. Hole Temperature

115

Tool No.

D-1

Spacing Recorded

3-5

Equipment -- Location

72

Recorded By

K. Ladrian

Witnessed By

Brett Hildebrand

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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

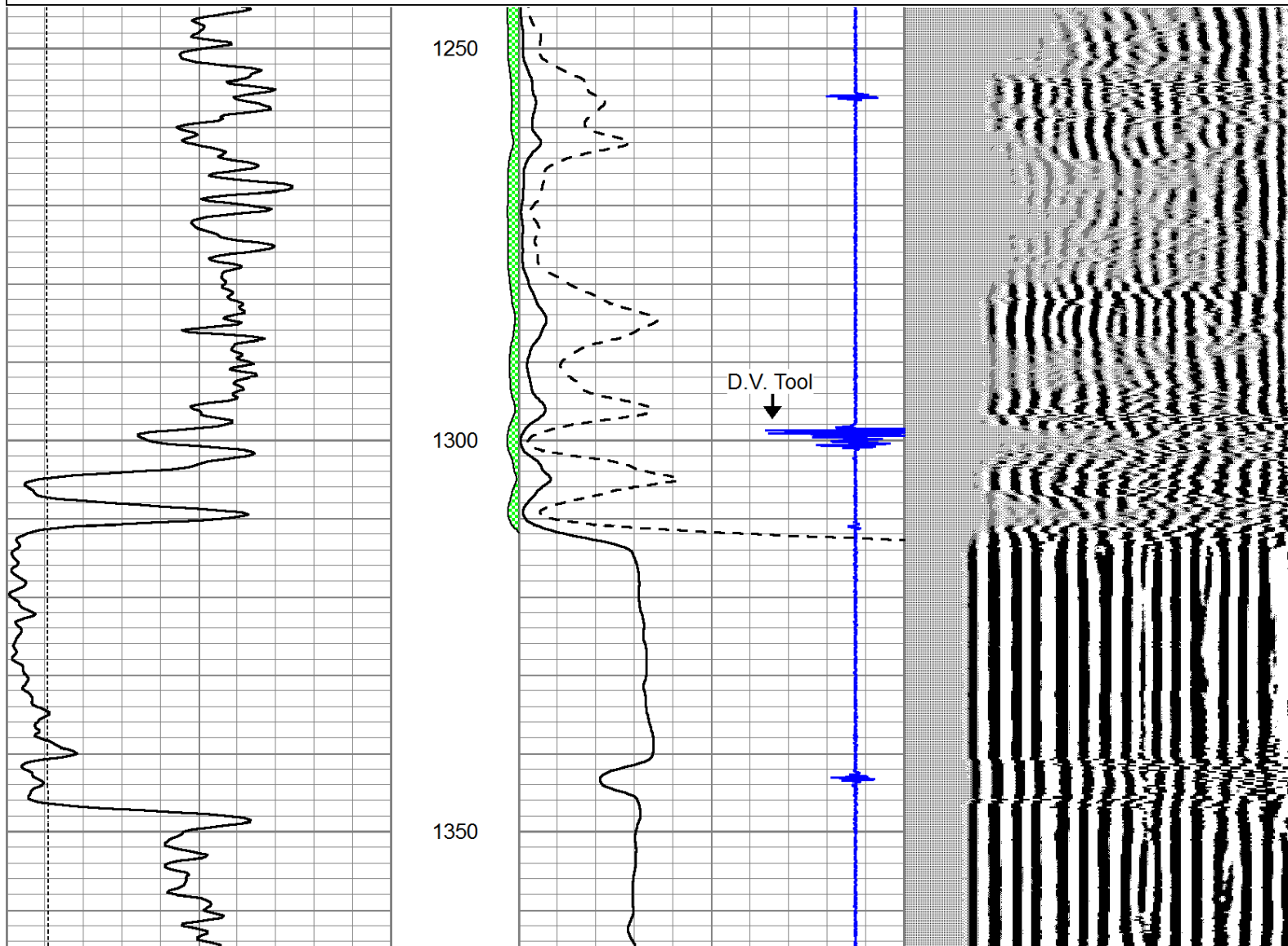
Hays, KS., South on 240th to Antonino Blacktop,
2.5 West, South Into.



D.V. Tool @ 1299

Database File: central_freddhaas2.db
 Dataset Pathname: grcbl/run1/pass4
 Presentation Format: cbldig
 Dataset Creation: Wed Apr 25 10:33:46 2012 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			



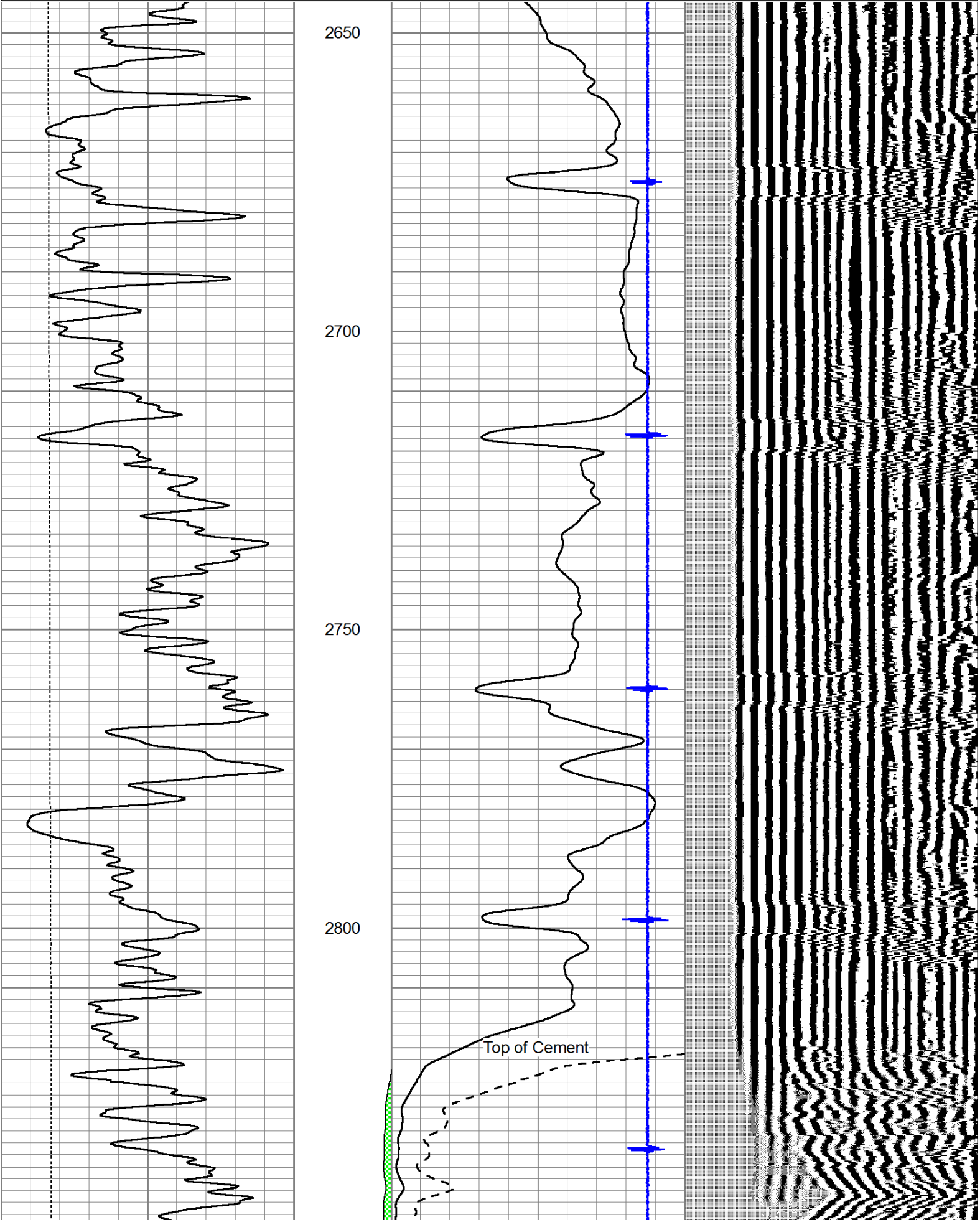
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0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			

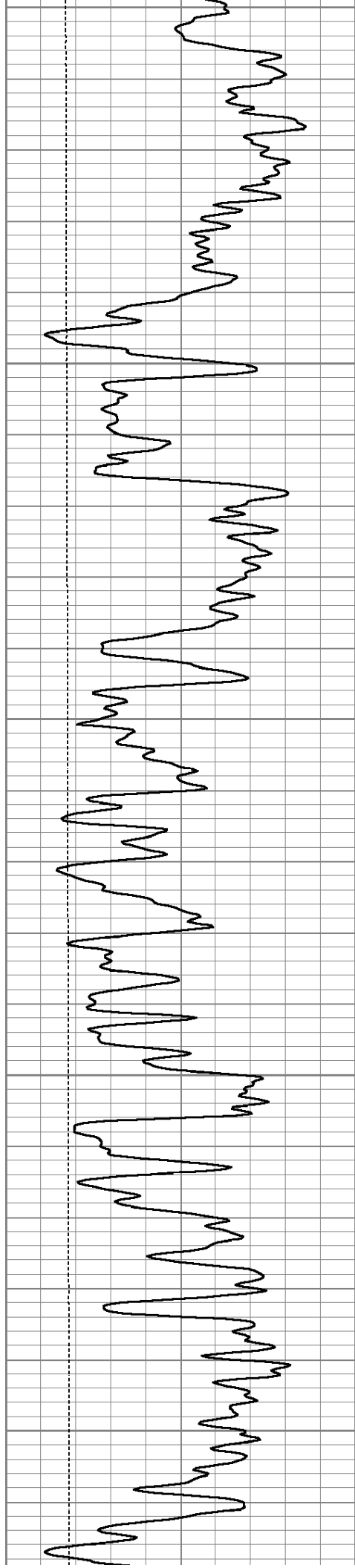
LOG-TECH

Main Pass

Database File: central_freddhaas2.db
 Dataset Pathname: grcbl/run1/pass3.1
 Presentation Format: cbldig
 Dataset Creation: Wed Apr 25 10:35:22 2012
 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		





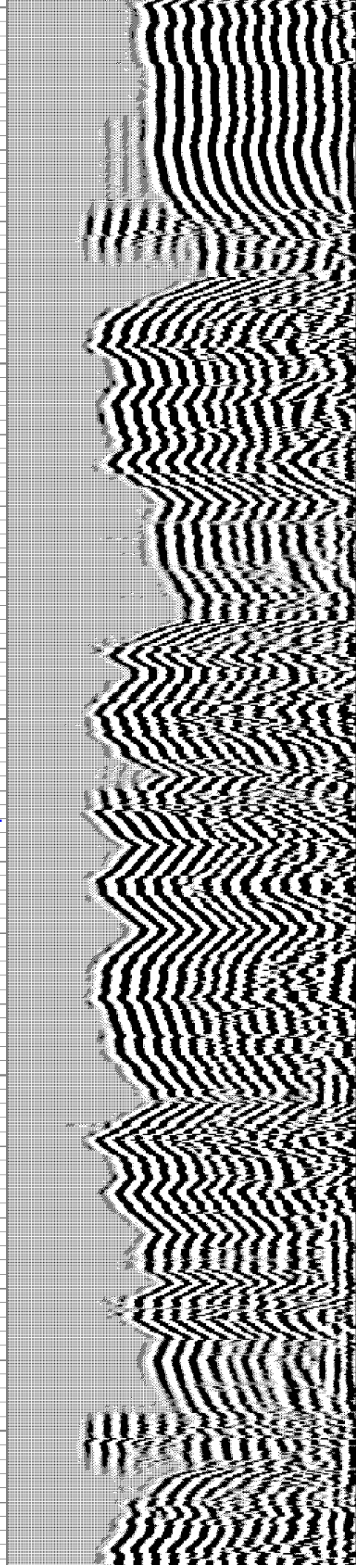
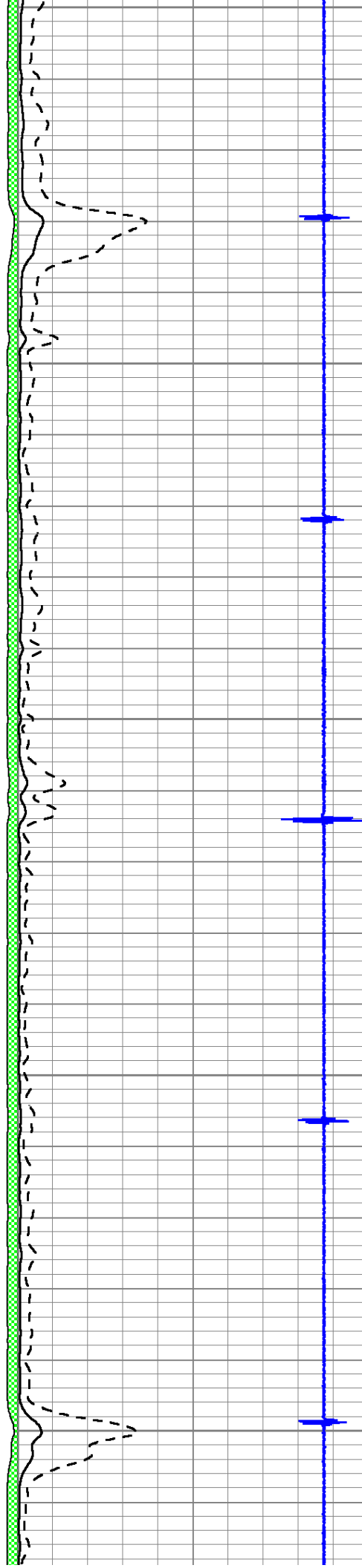
2850

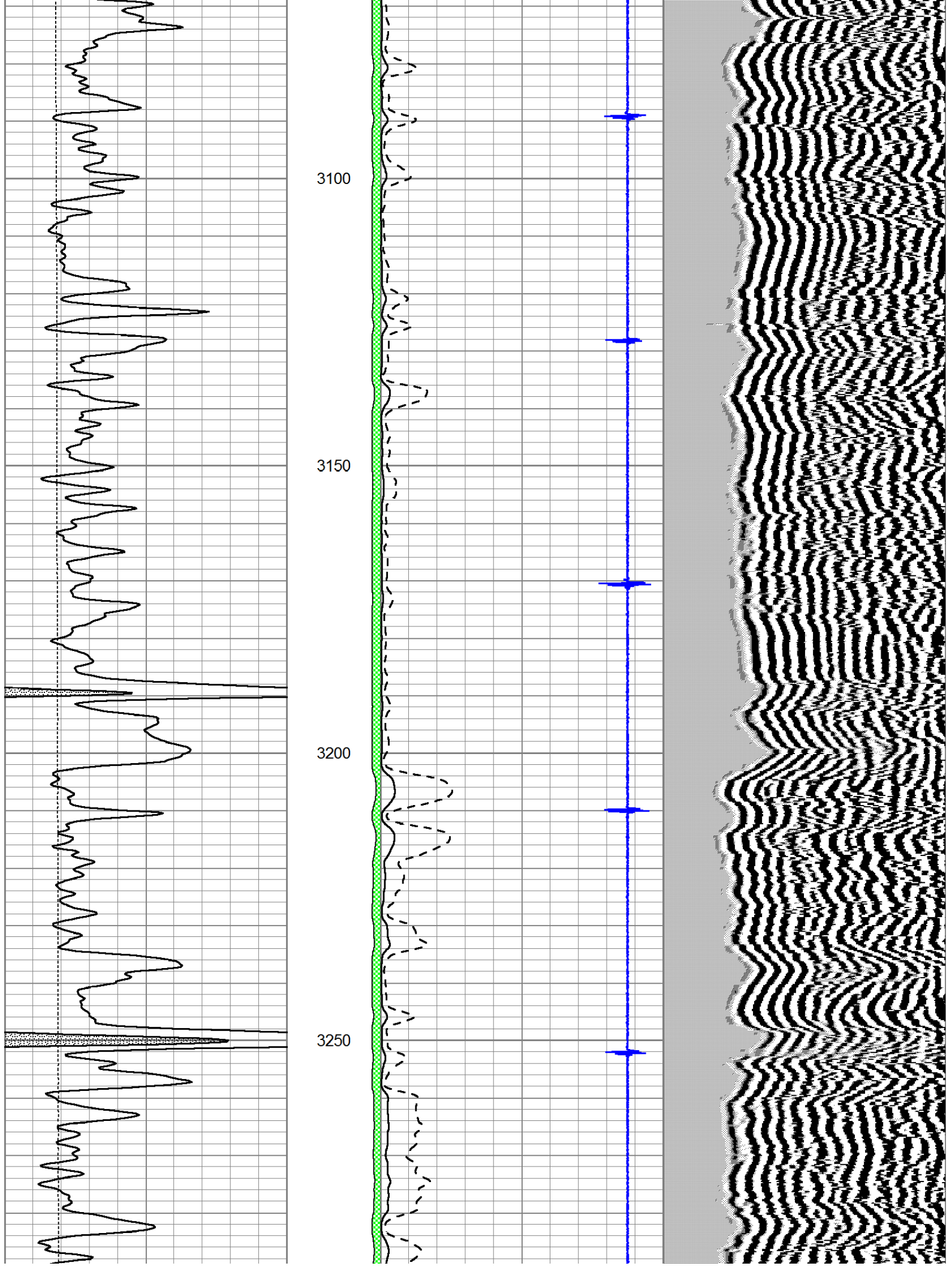
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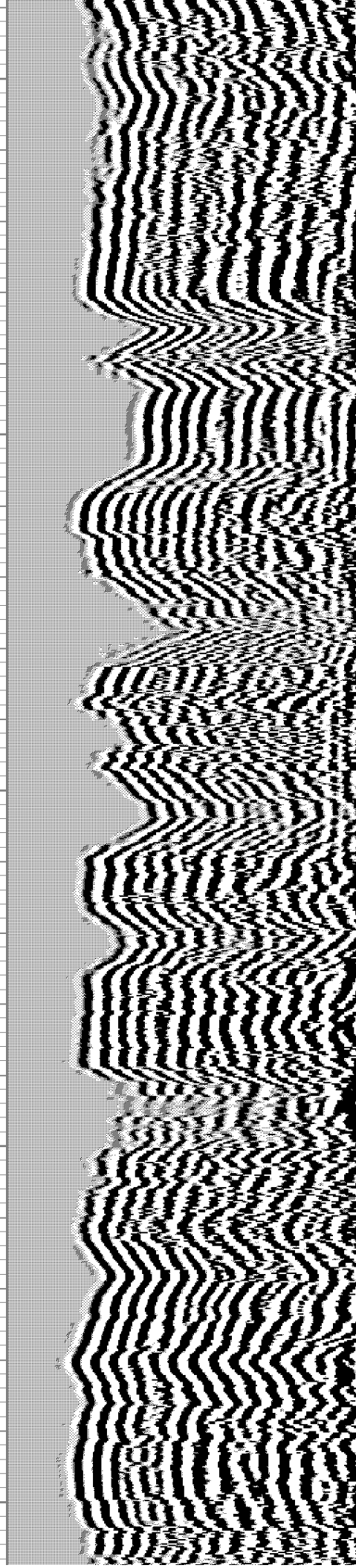
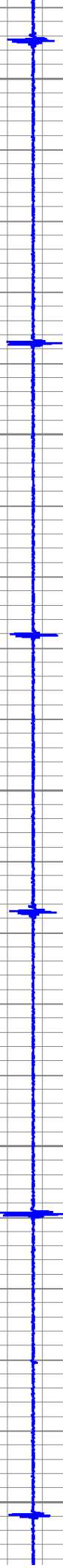
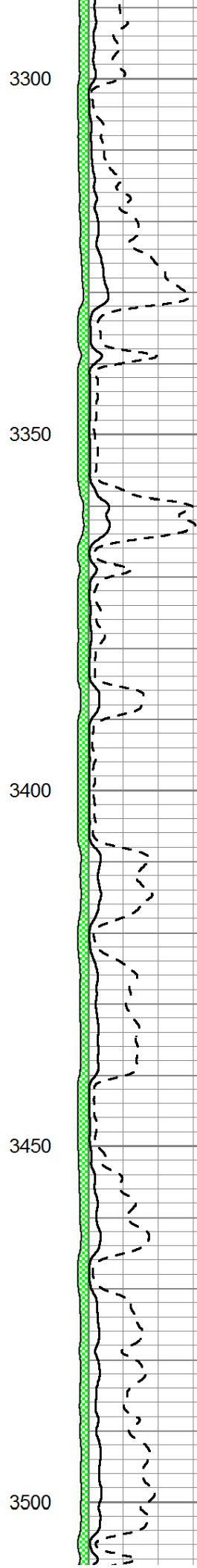
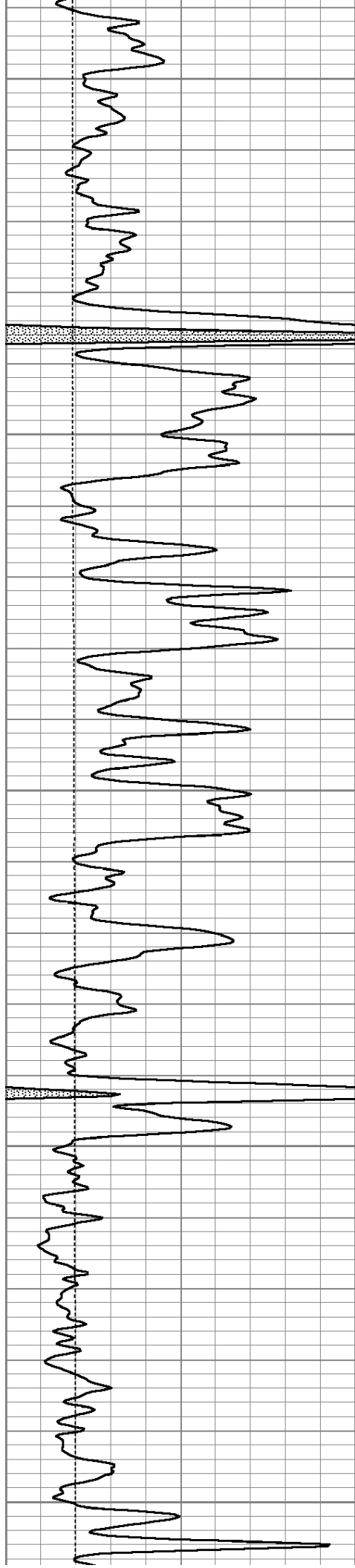
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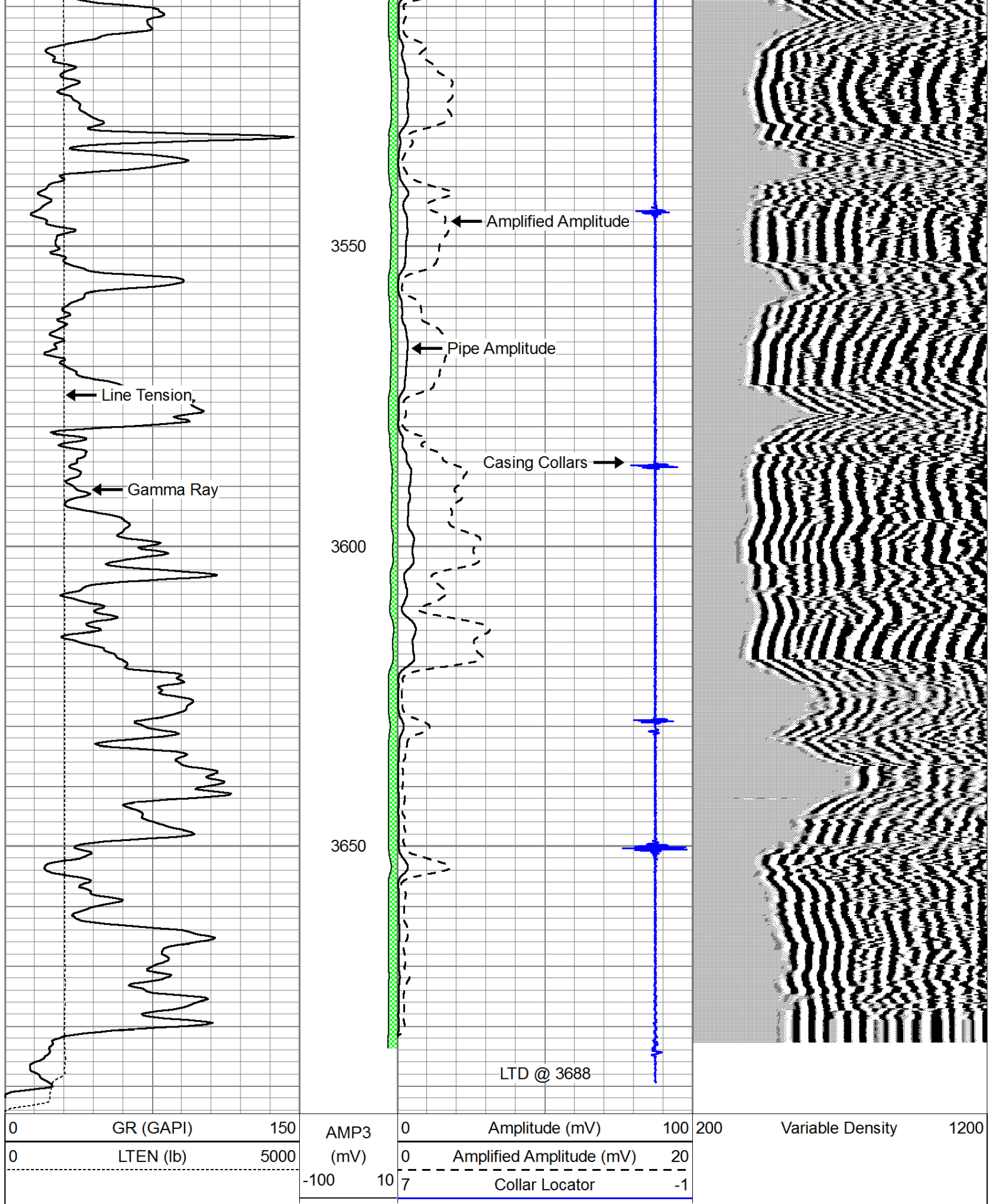
3000

3050









Database File: central_freddhaas2.db
Dataset Pathname: grcbl/run1/pass2
Presentation Format: cbldig
Dataset Creation: Wed Apr 25 10:03:03 2012 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			

