



(785) 625-3858

Sonic Cement Bond Log

15-101-22372-00-00

Company **Larson Engineering, Inc.**
Well **Danis No. 1-21**
Field **Reifschneider Southeast**
County **Lane** State **Kansas**

Location **1500' FSL & 997' FEL
SW-SW-NE-SE**

Sec: **21** Twp: **18S** Rge: **29W**

Other Services
Mast Trailer

Permanent Datum **Ground Level** Elevation **2810**
Log Measured From **Kelly Bushing** 7 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 2817
D.F. 2810
G.L. 2810

Run Number	One	
Date Survey	6/28/2012	
Date Cementing	6/23/2012	
Type Cementing Operation	Primary	
Depth Driller	4655	
Depth Logger	4590	
Logged Interval	4588 to 3300	to
Casing Driller	5.5 @ T.D.	@
Float Collar -- D.V. Tool	2230	
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	3480	
Calculated Cement Top		
Max. Hole Temperature	123	
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 Log-Tech (785) 625-3858

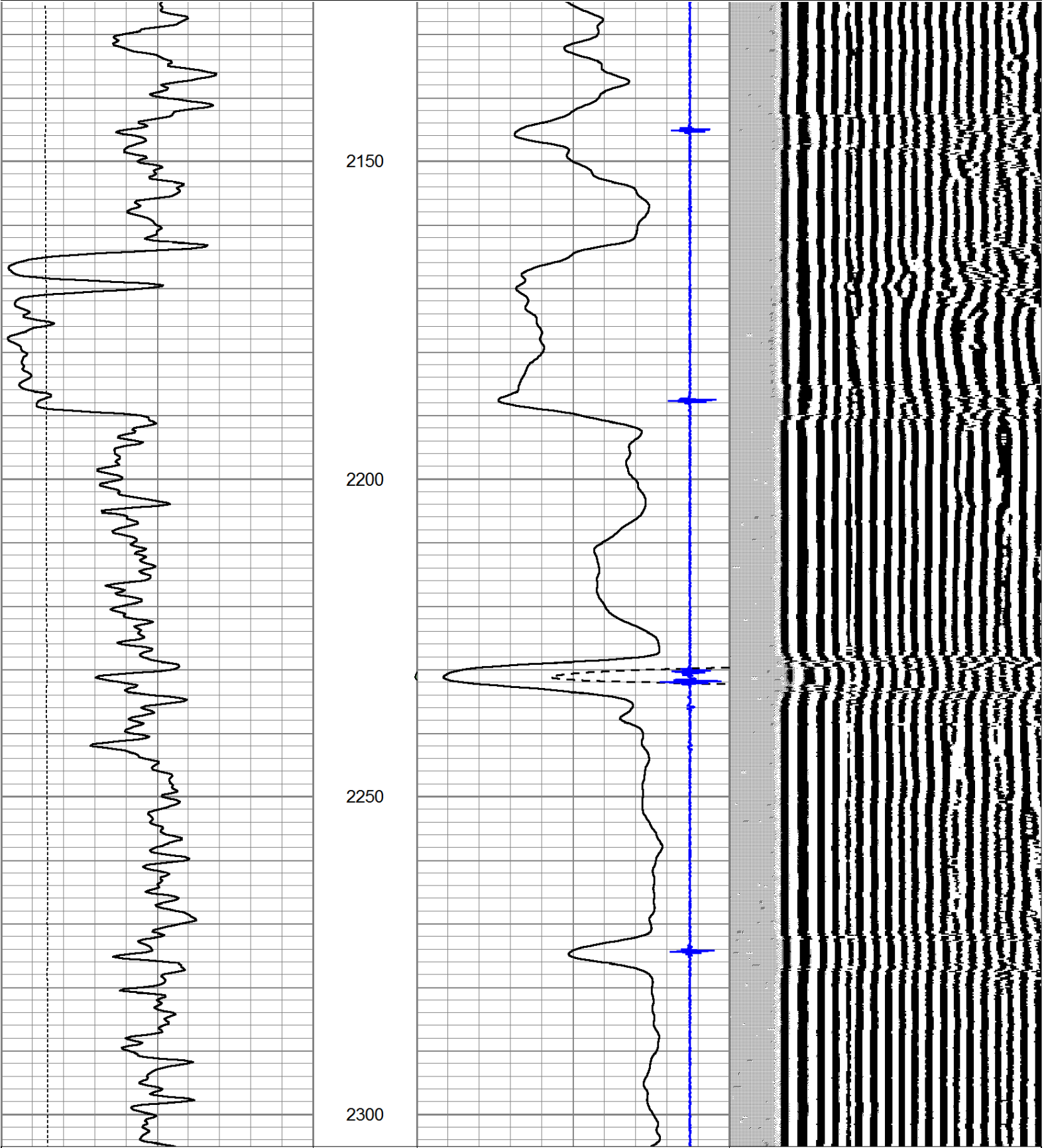
Dighton, KS., 3 West, .75 South
West Into.



Port Collar @ 2230

Database File: larson-danis1-21.db
Dataset Pathname: Danis1-2/grcbl/pass5
Presentation Format: cldig
Dataset Creation: Thu Jun 28 10:35:12 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			



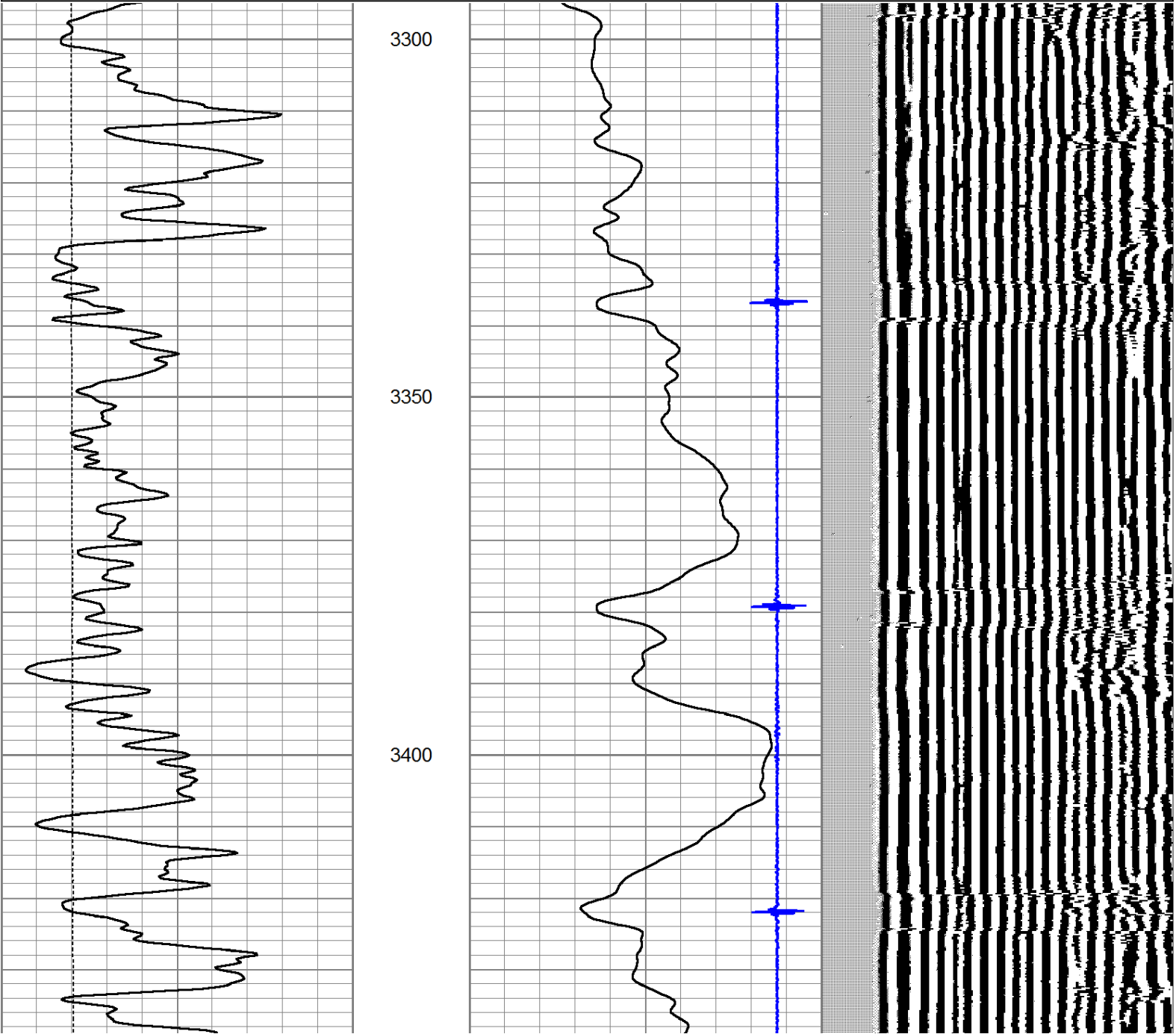
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0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100	10	7	Collar Locator	-1		

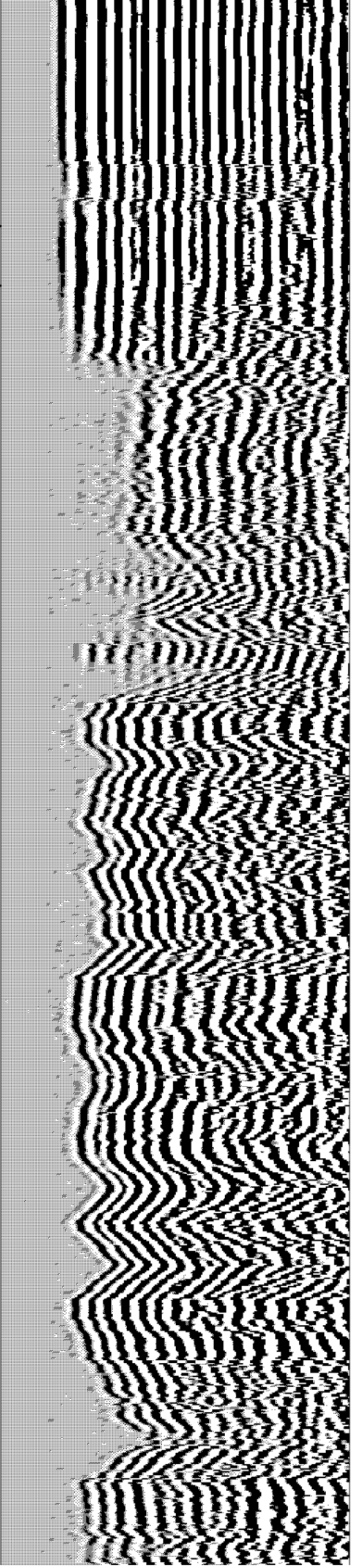
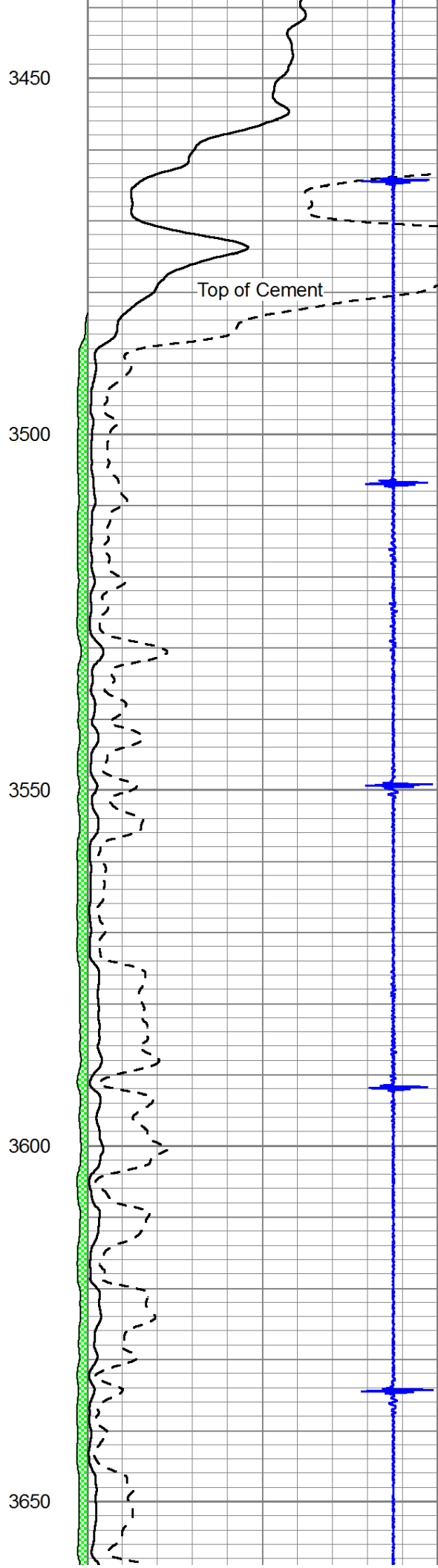
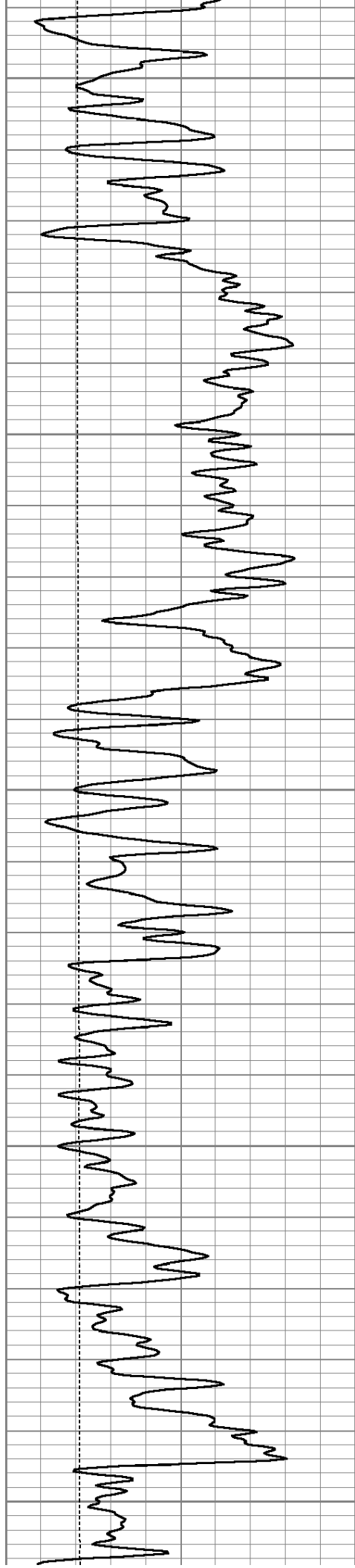


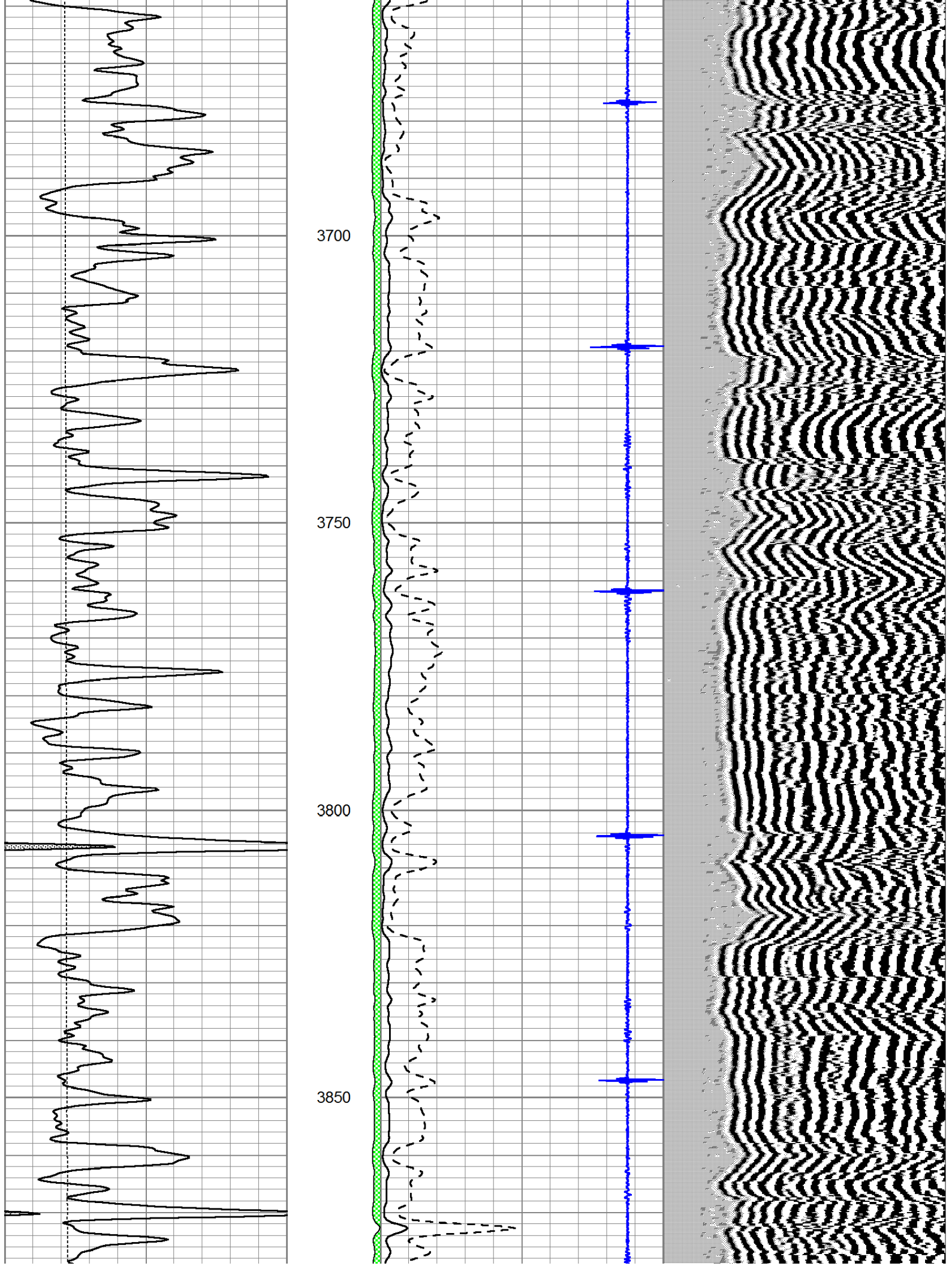
Main Pass

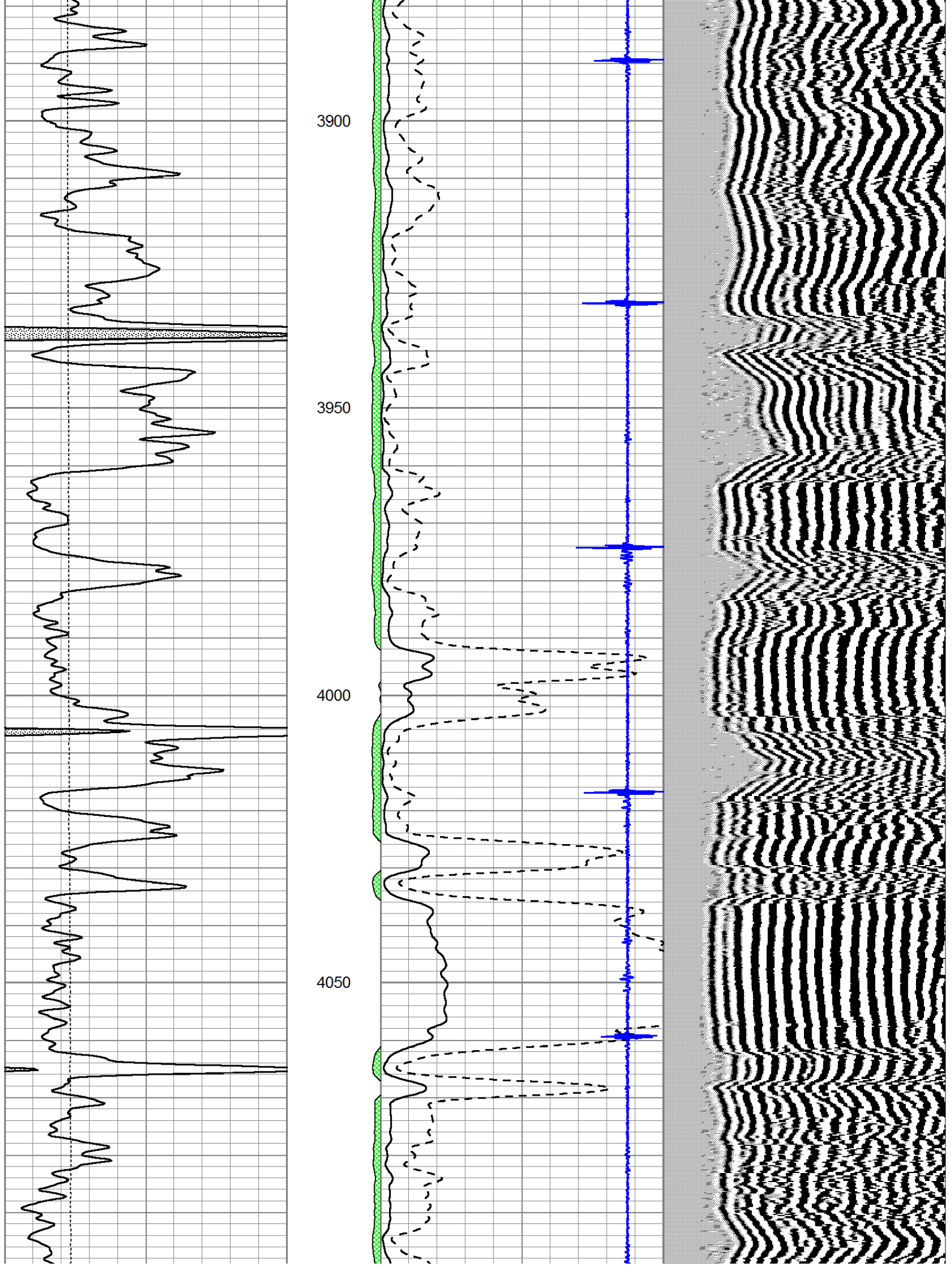
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Dataset Pathname:	Danis1-2/grcbl/pass4
Presentation Format:	cbldig
Dataset Creation:	Thu Jun 28 10:10:47 2012 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

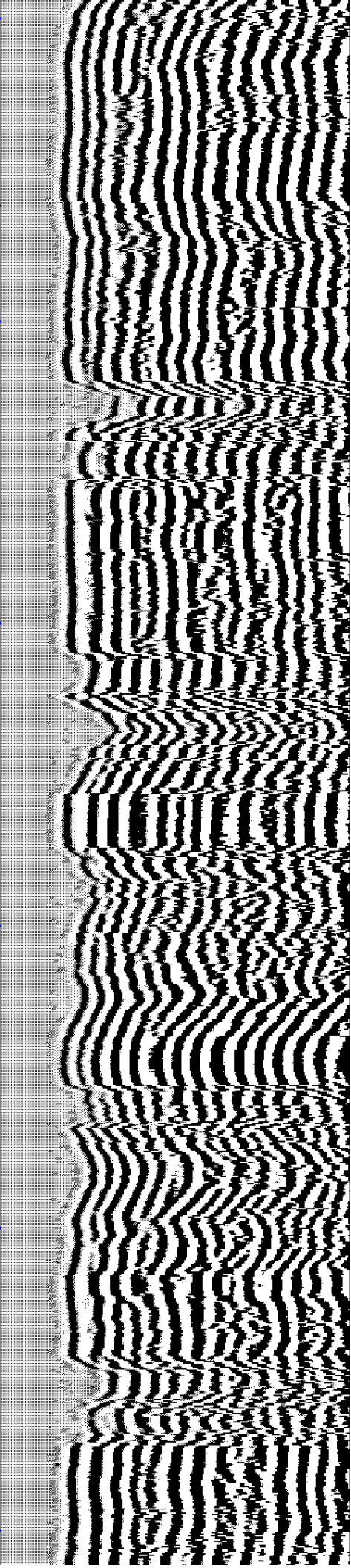
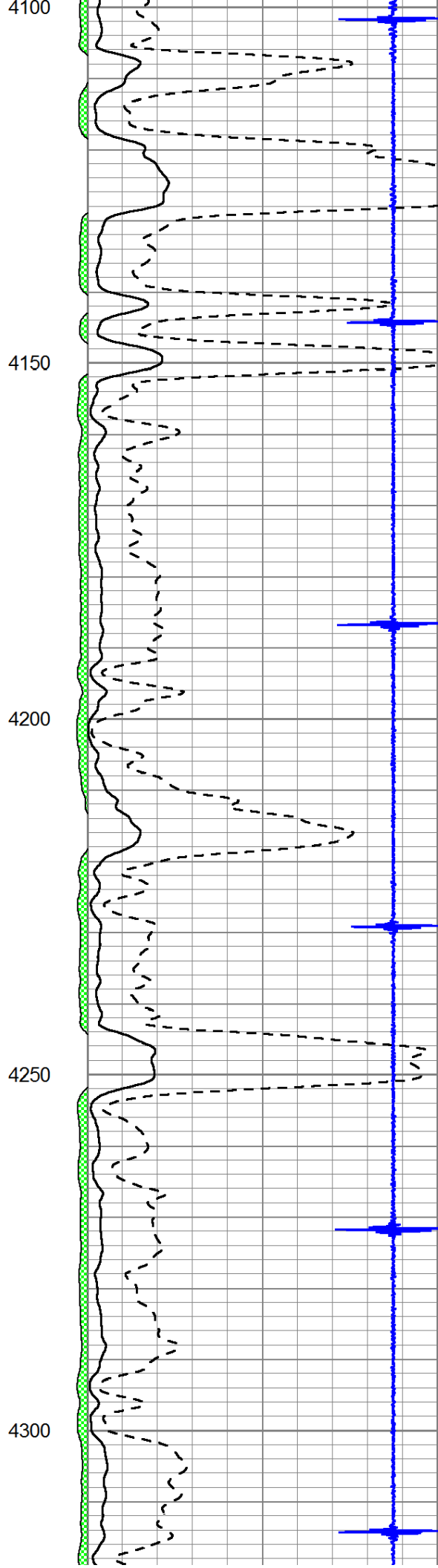
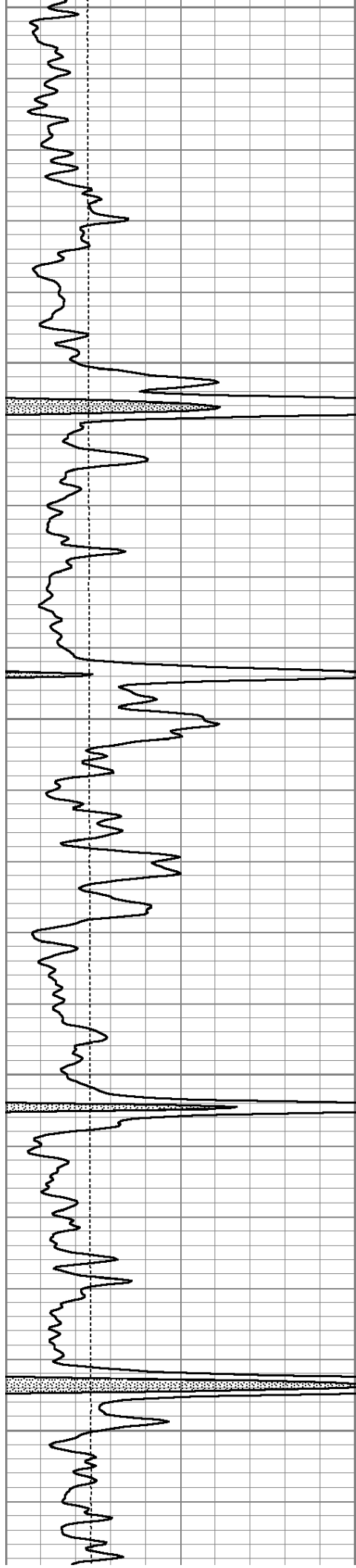
0	GR (GAPI)	150	AMP3	0	Amplitude (mV)	100	200	Variable Density	1200
0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100	10	7	Collar Locator	-1		

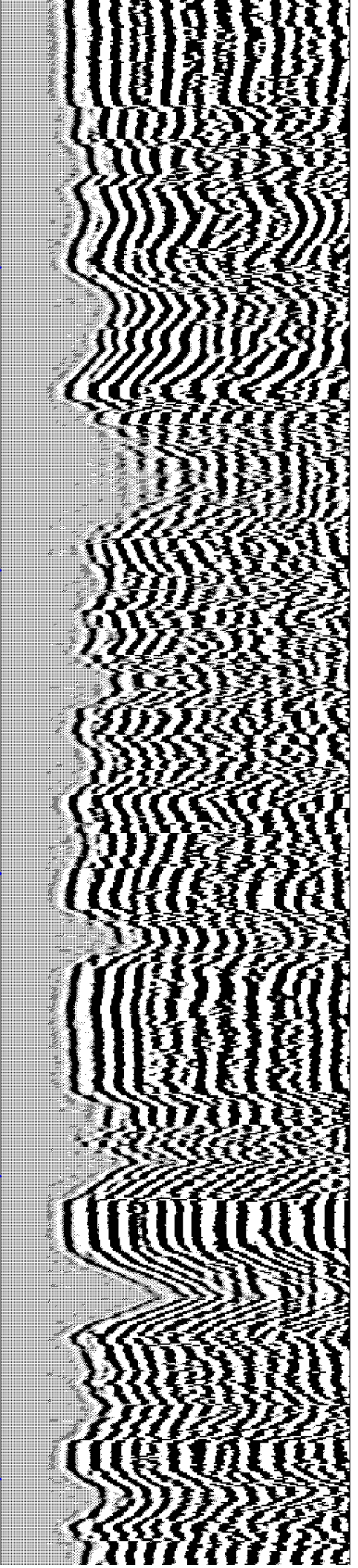
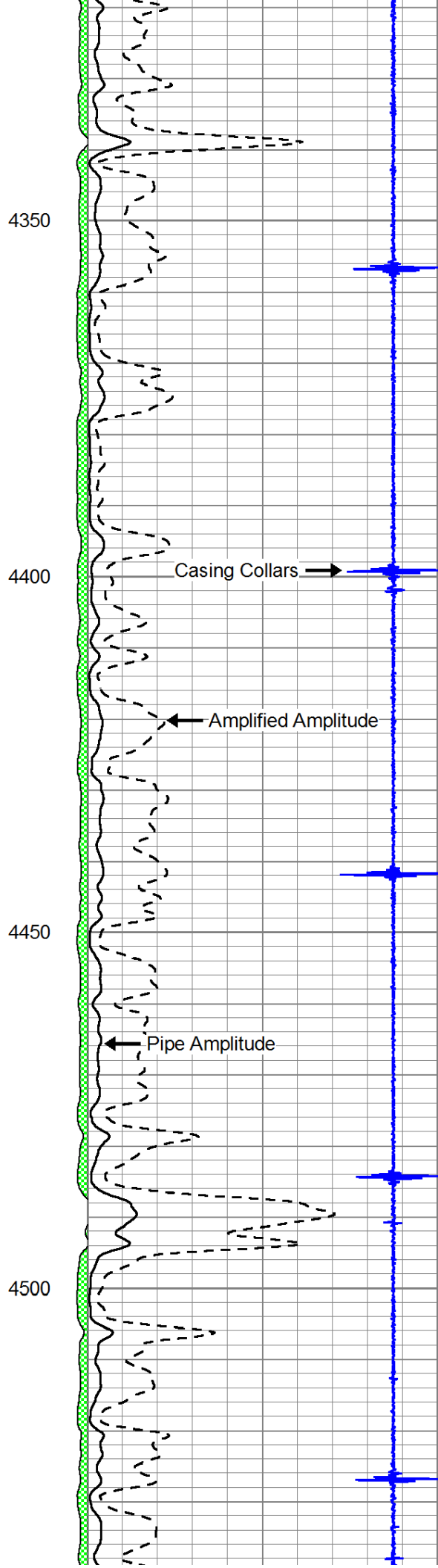
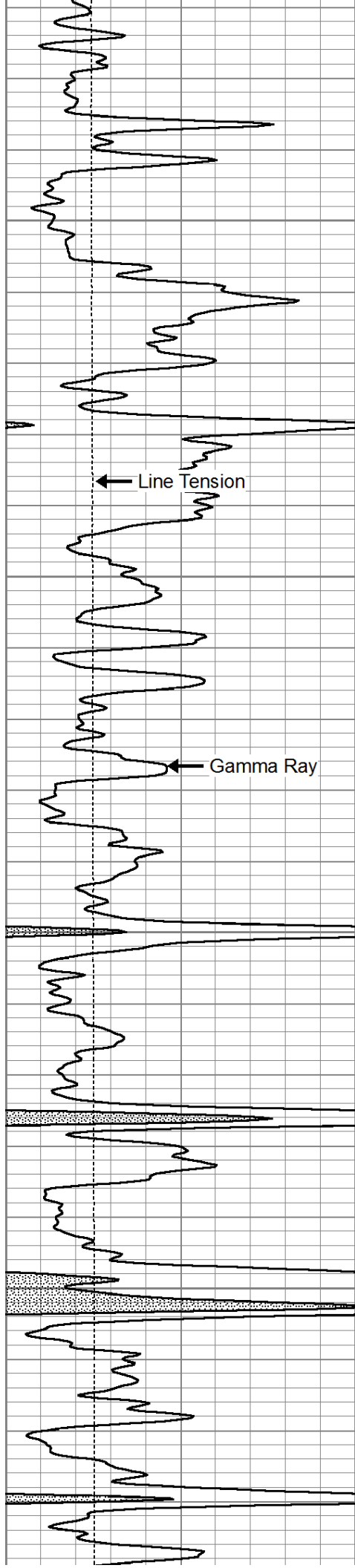


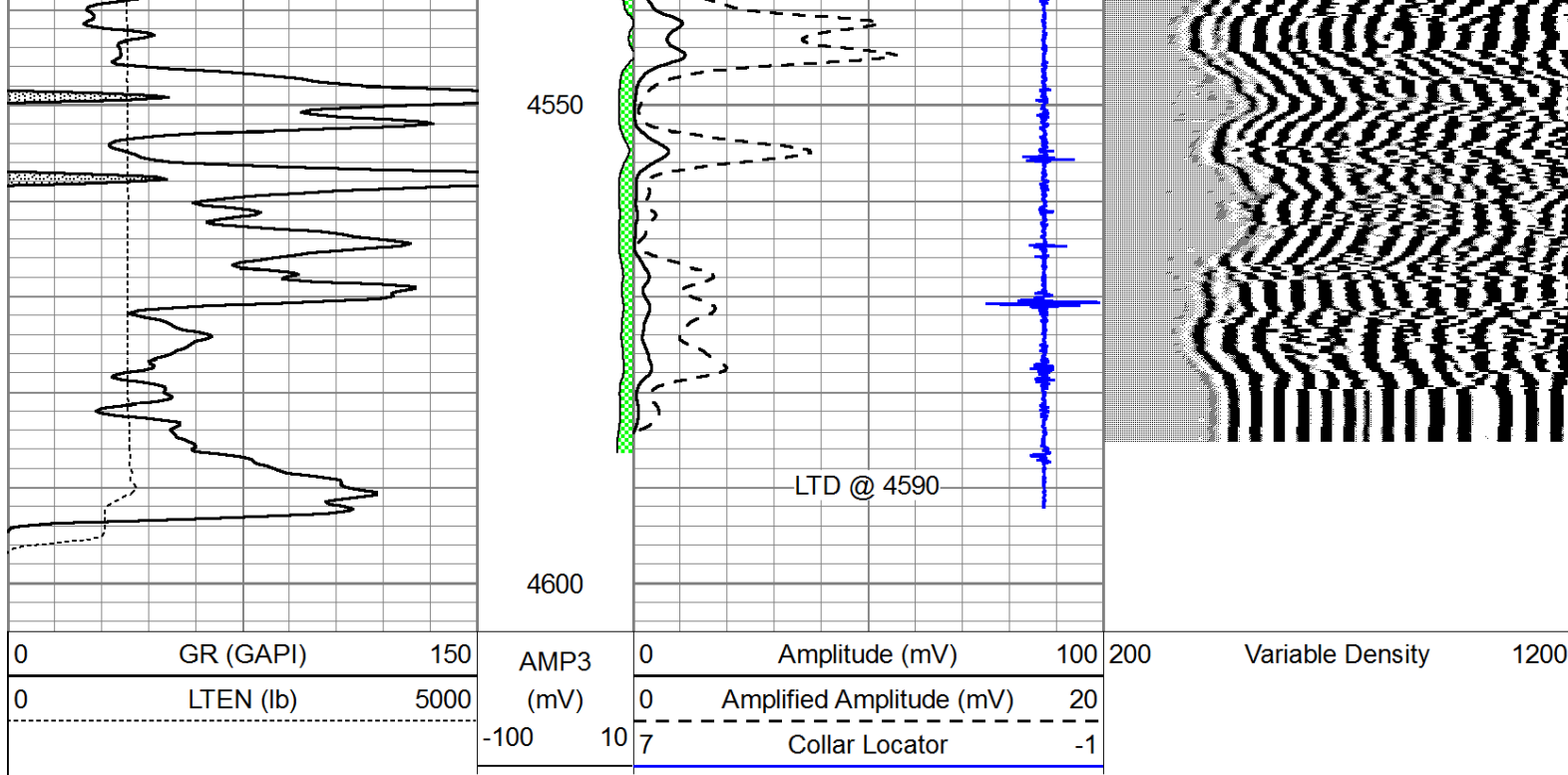












LOG-TECH

Repeat Section

Database File: laron-danis1-21.db
 Dataset Pathname: Danis1-2/grcbl/pass3
 Presentation Format: cbldig
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 Charted by: Depth in Feet scaled 1:240

