LOG-TECH

Sonic Cement Bond Log

API No.
15-077-21784-00-00

Company Atlas Operating, LLC.
Well Sanders-Schmisseur No.4
Field Spivey-Grabs-Basil
County Harper State Kansas

Location
1500' FNL & 2170' FWL
Sec: 27 Twp: 31S Rge: 8W

Other Services
Portable Mast
Perforate

Elevation
K.B. 1594
D.F. 1593
G.L. 1584

Permanent Datum Ground Level Elevation 1584
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Run Number	One	
Date Survey	1/10/2012	
Date Cementing	1/5/2012	
Type Cementing Operation	Primary	
Depth Driller	4955	
Depth Logger	4905	
Logged Interval	4903 to 2500	to
Casing Driller	5.5 @ TD	@
Float Collar -- D.V. Tool	//// ////	
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	2700	
Calculated Cement Top	////	
Max. Hole Temperature	125	
Tool No.	DBT 1-1	
Spacing Recorded	3-5	
Equipment -- Location	13 Hays	
Recorded By	S. Chesney	
Witnessed By	Bob Younce	

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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, Inc.
(785) 625-3858

Zenda S. to Mag Plant,
Mag Plant 2S, 2E, 1S, 1/2E,
S into

Main Pass

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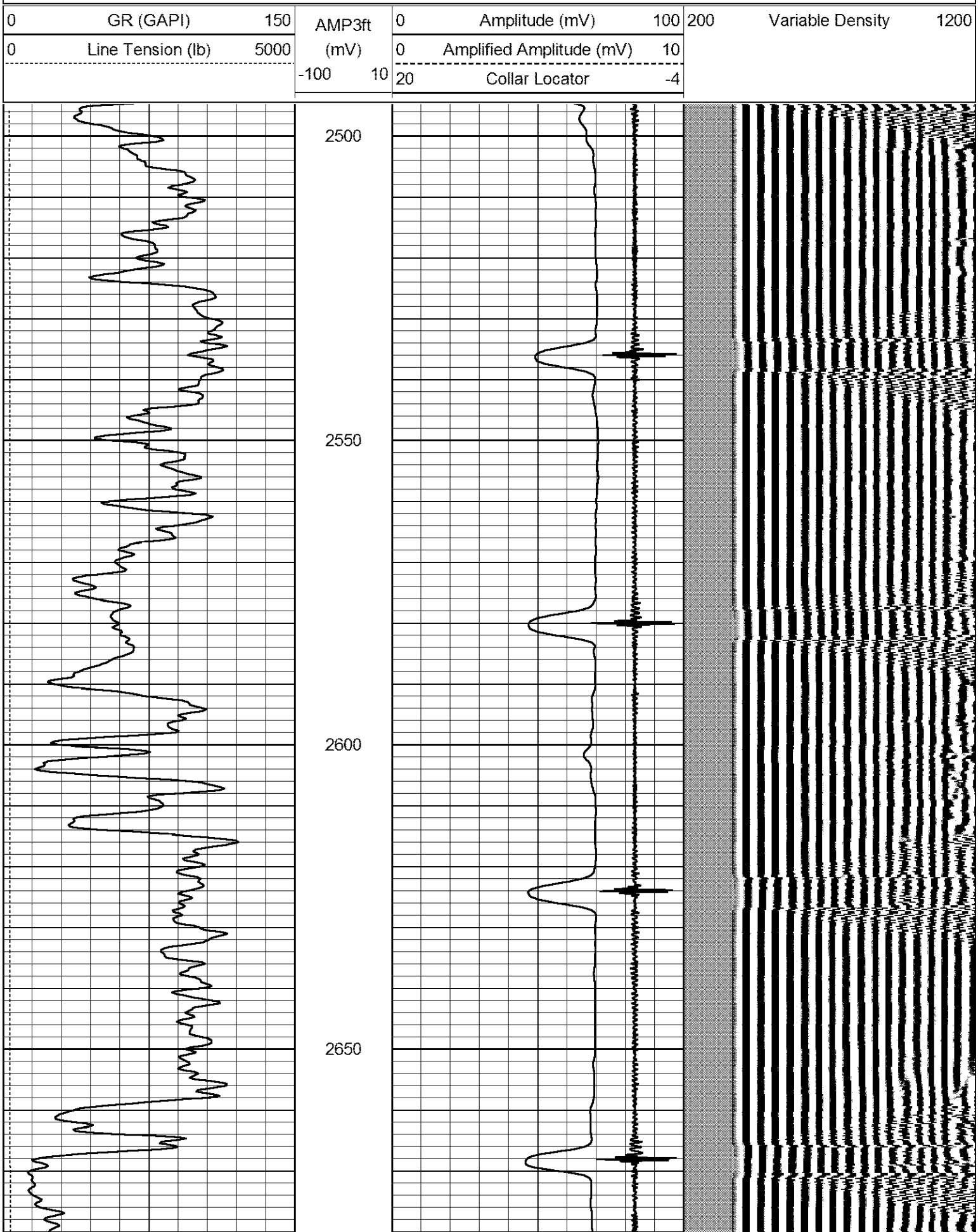
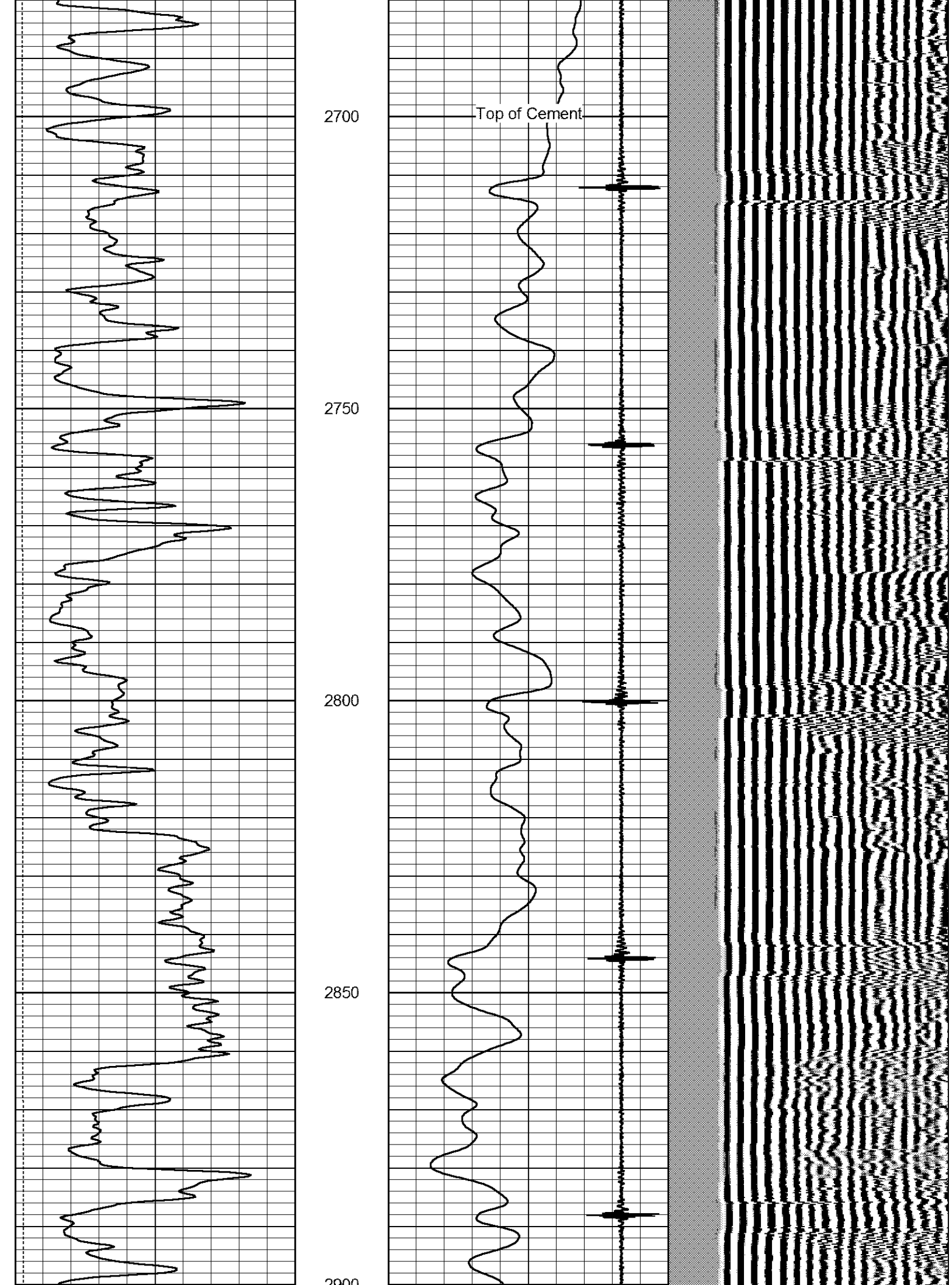
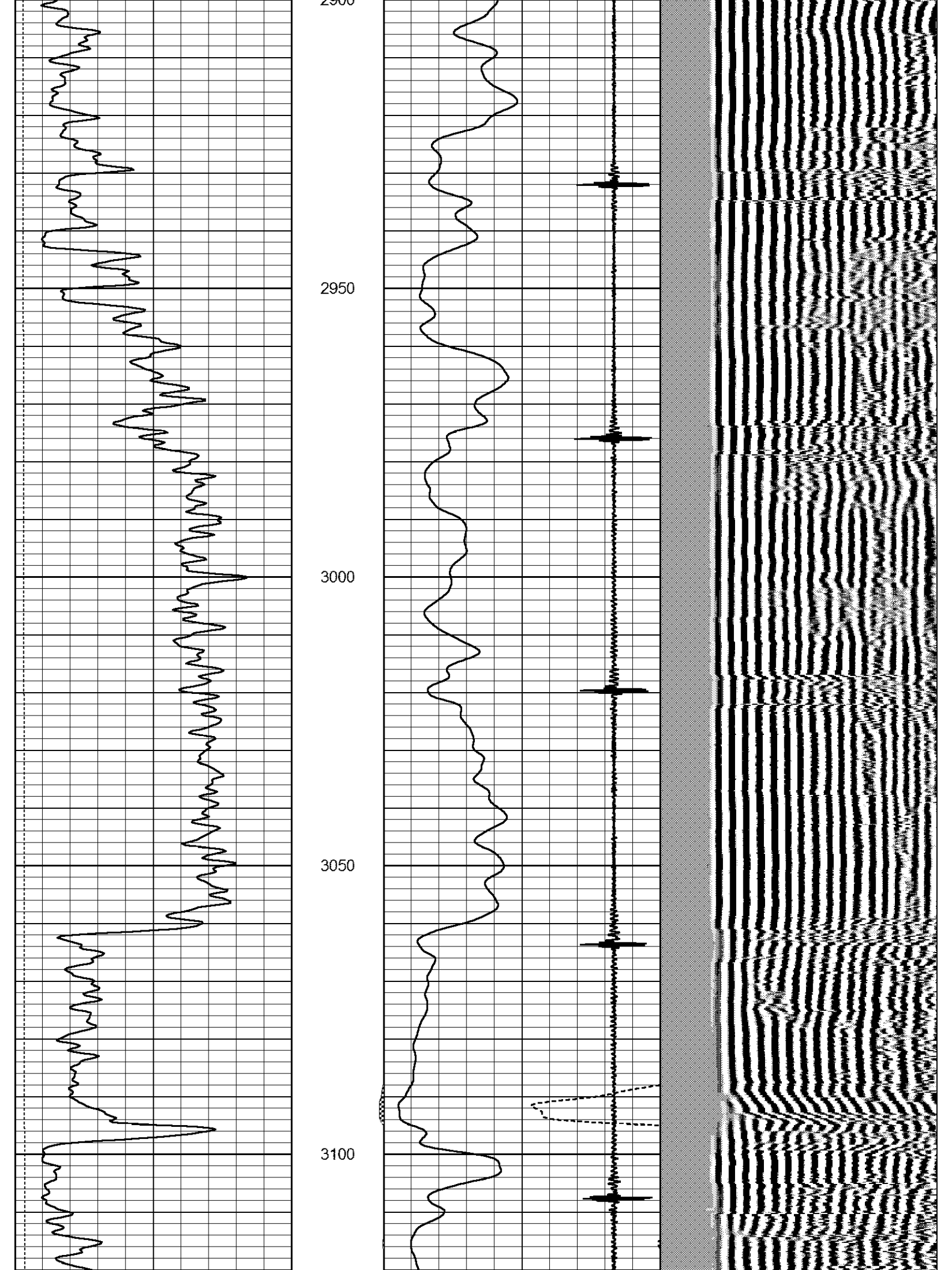
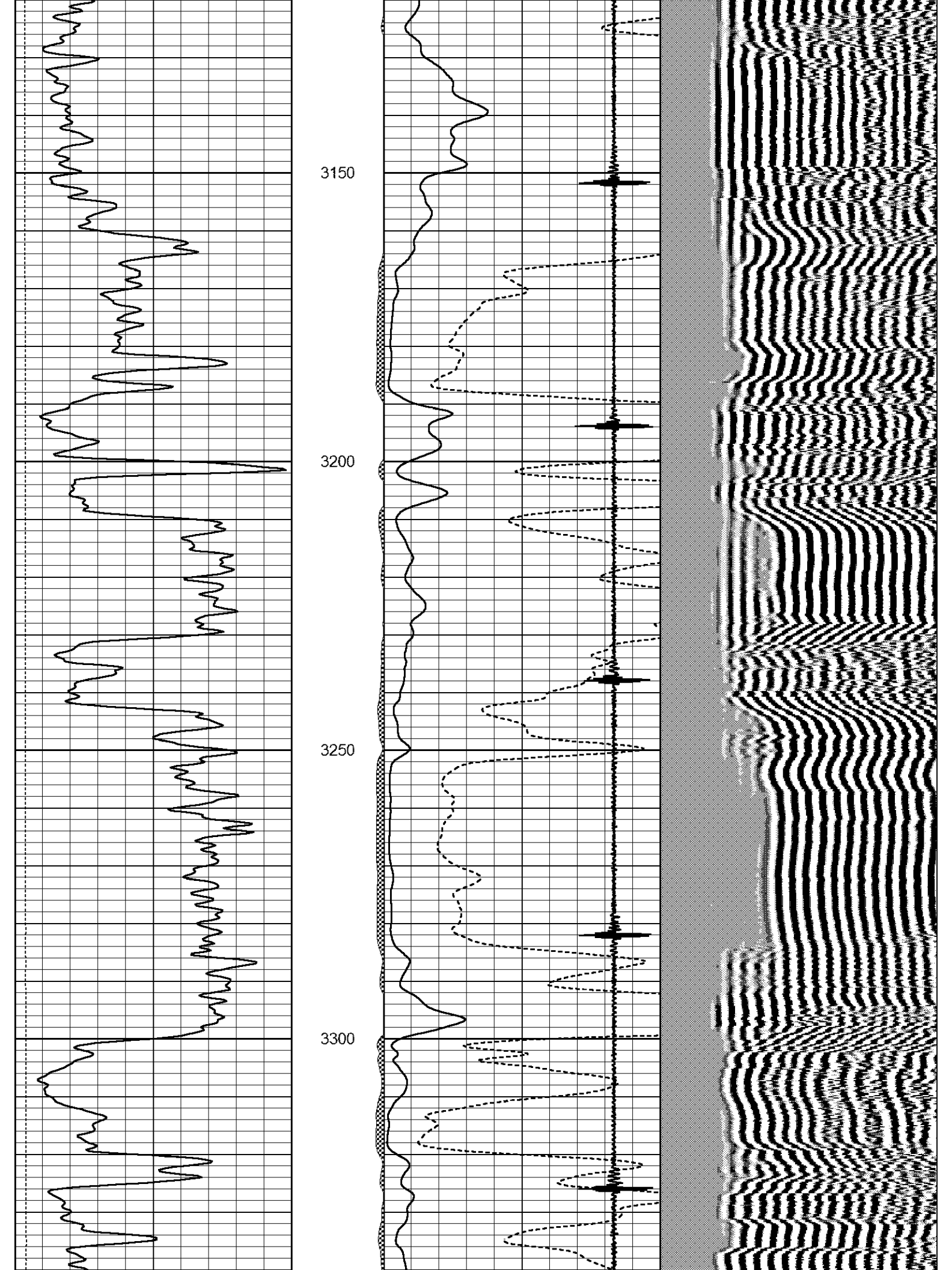
Database File:	atlas-sanders-schmisseur-4.db
Dataset Pathname:	grcbl/pass4
Presentation Format:	cbldig
Dataset Creation:	Tue Jan 10 10:48:44 2012 by Calc SCH 110630
Charted by:	Depth in Feet scaled 1:240




2700
Top of Cement
2750
2800
2850
2900


2900
2950
3000
3050
3100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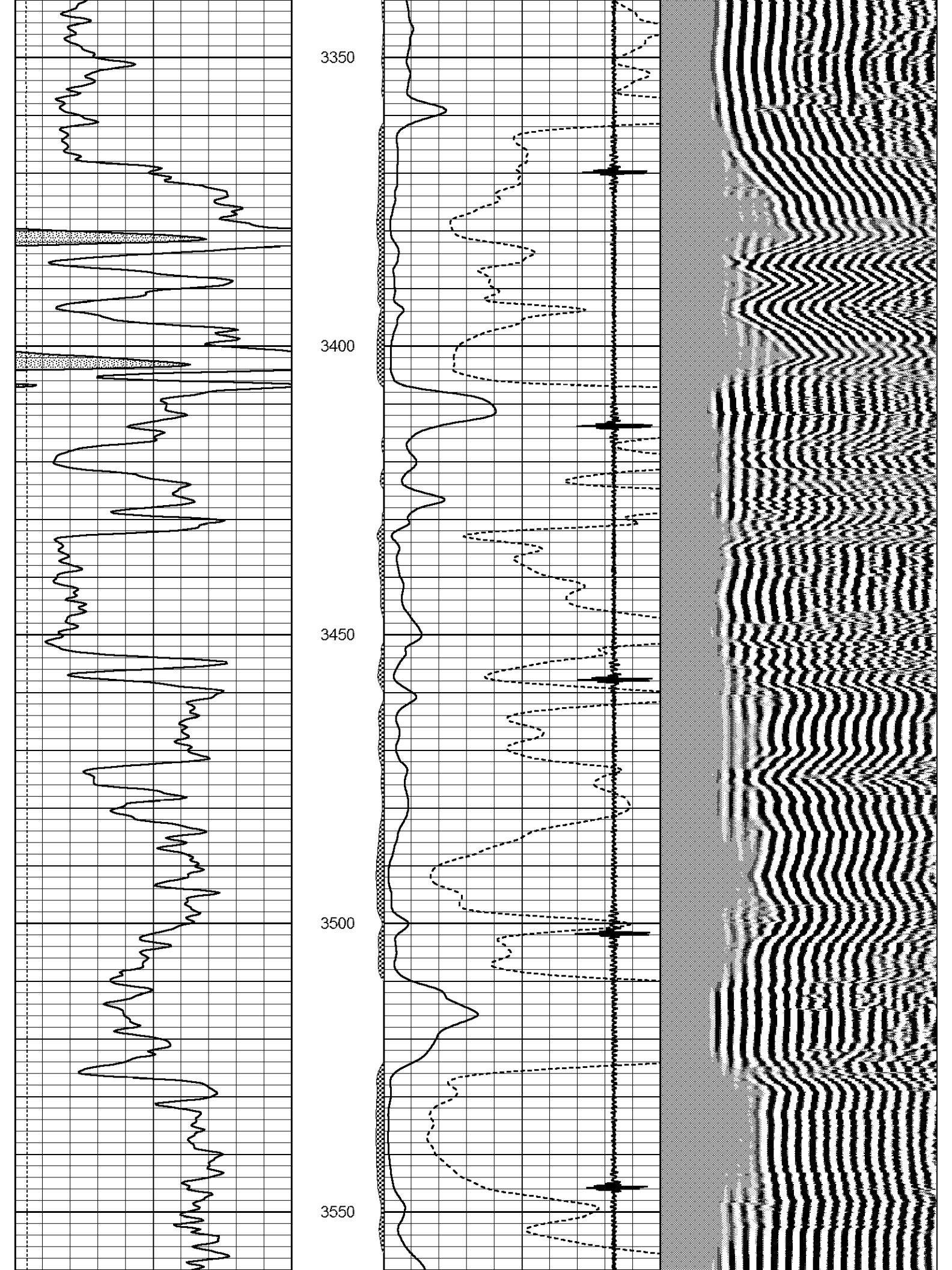
3200
3250
3300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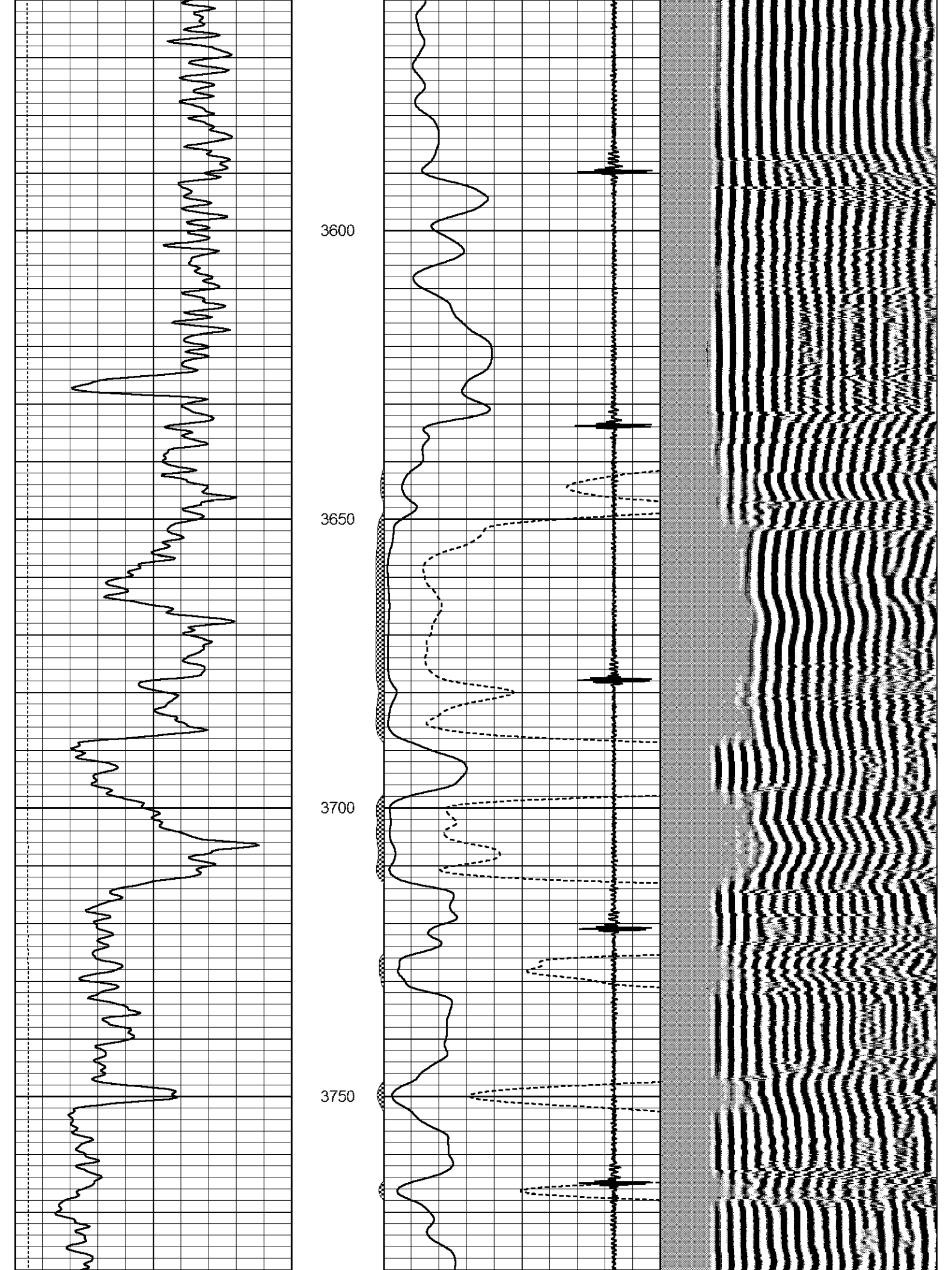
3400
3450
3500
3550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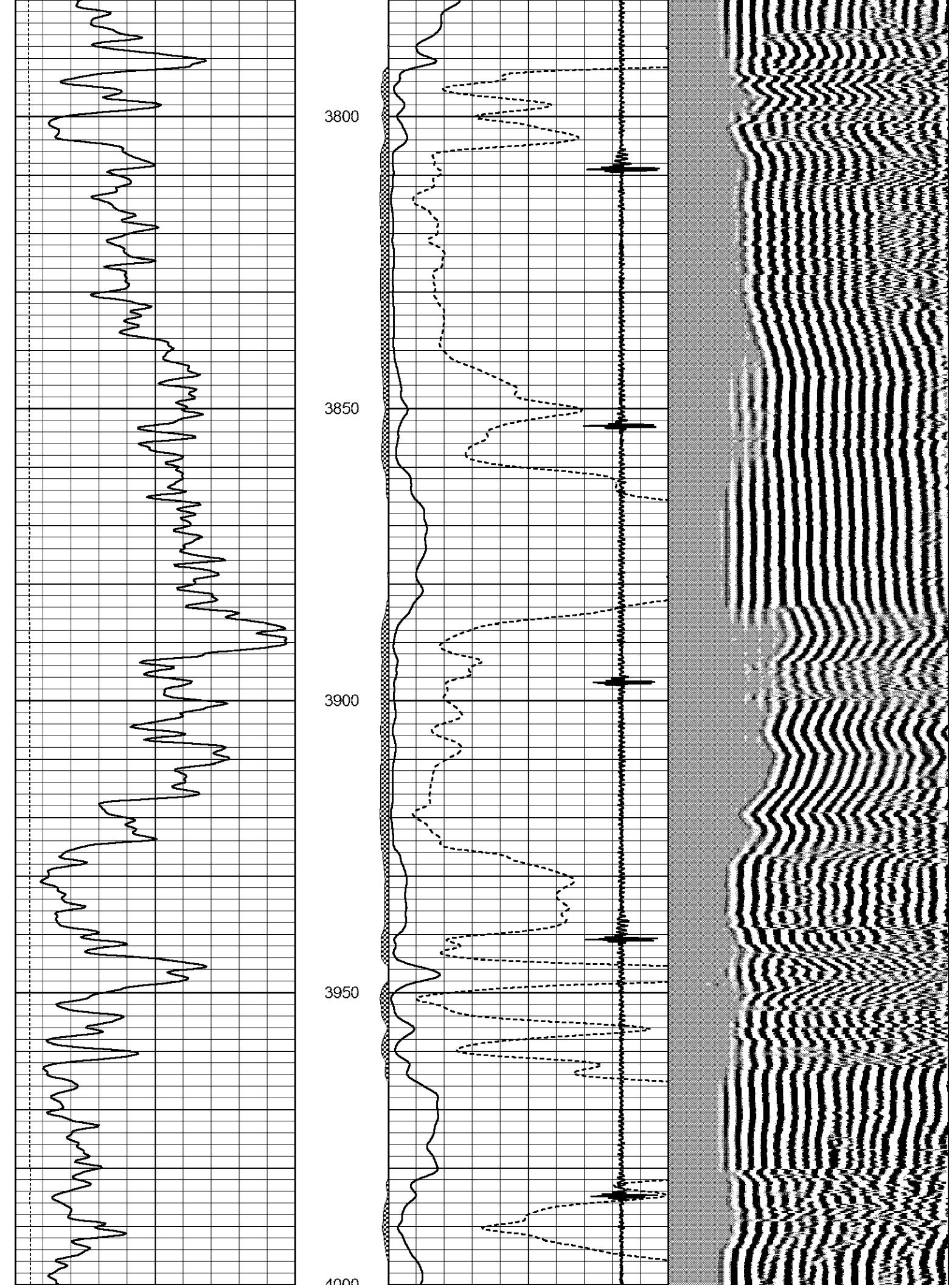
3650
3700
3750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3950
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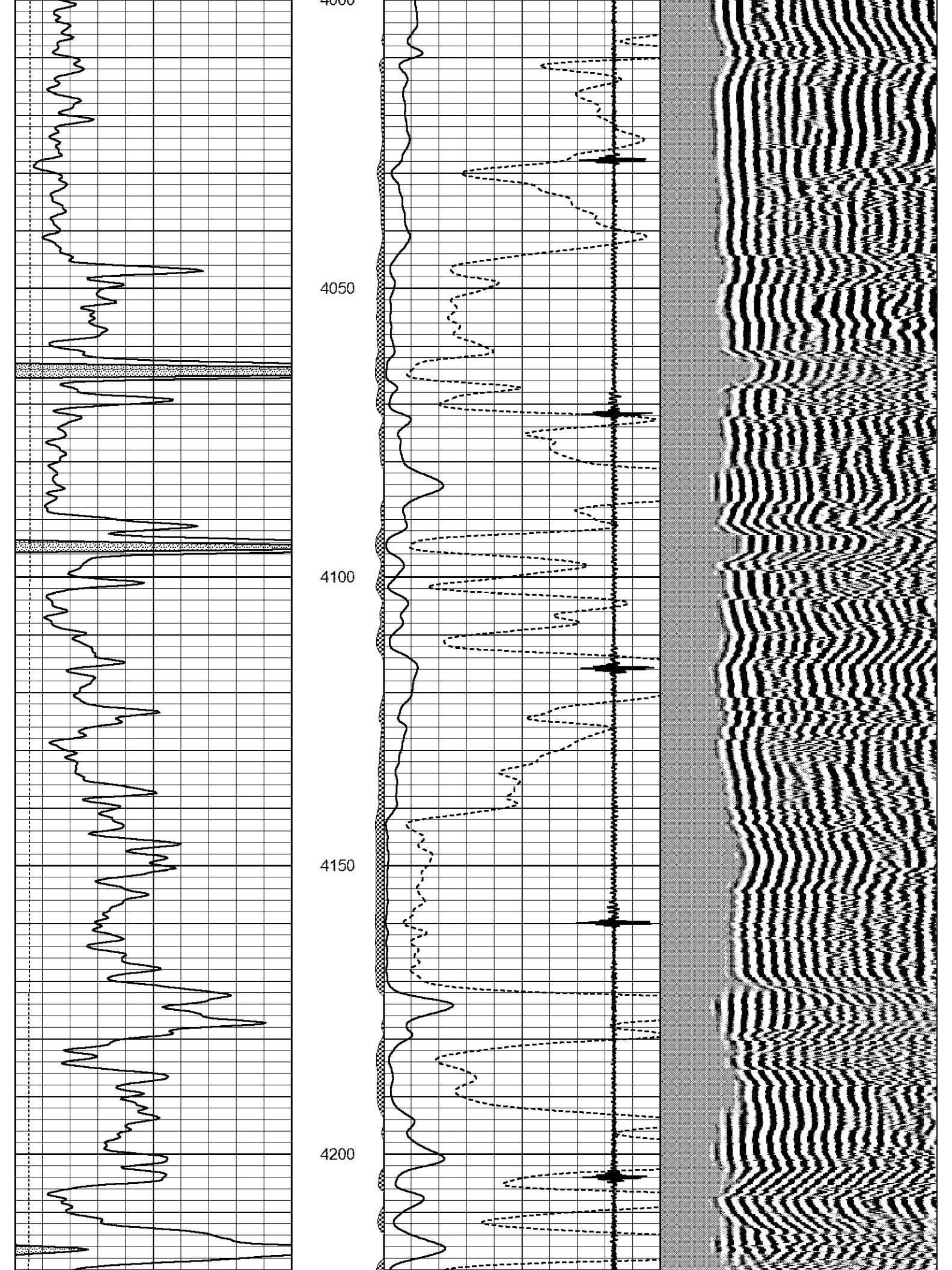
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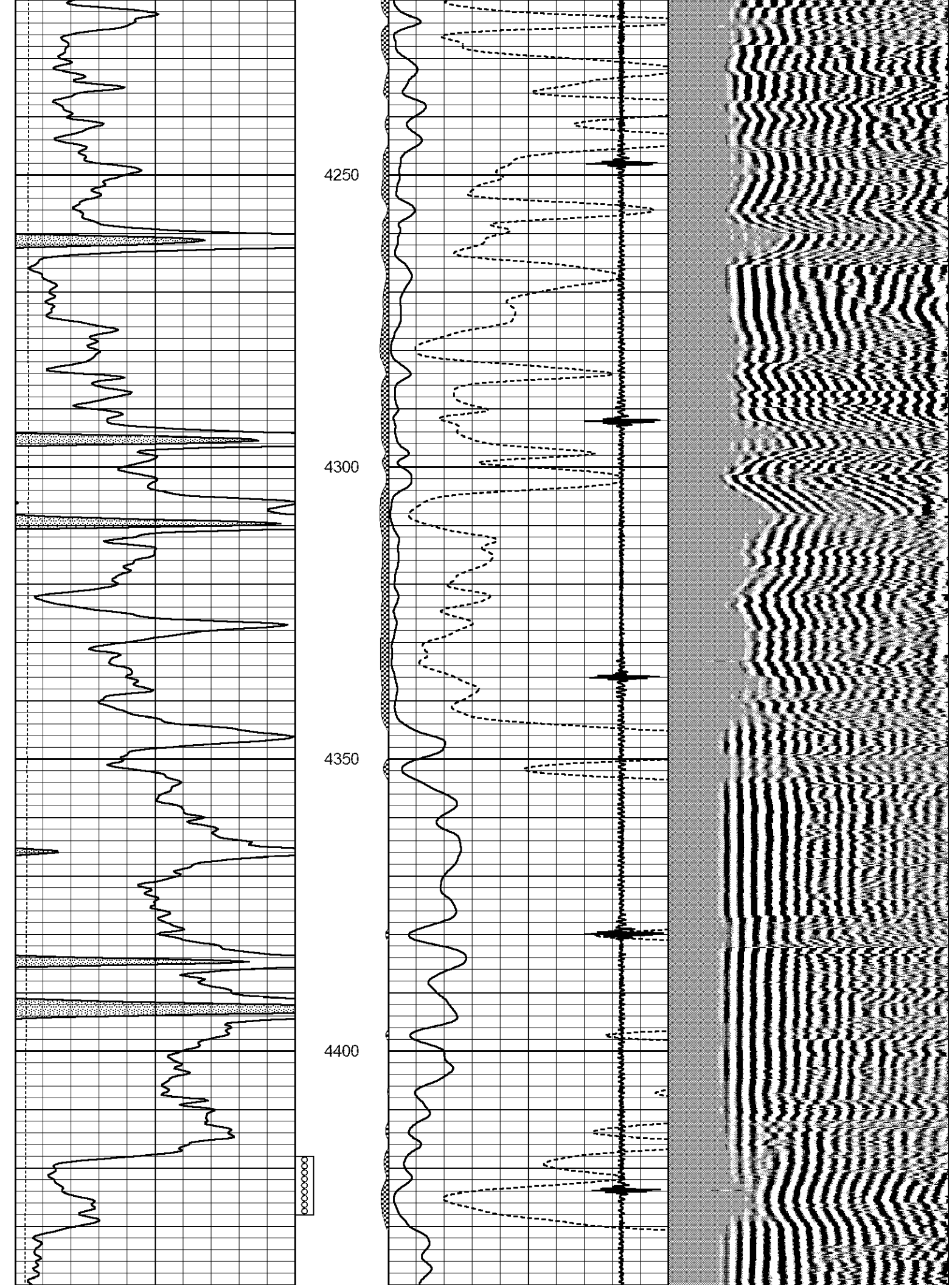
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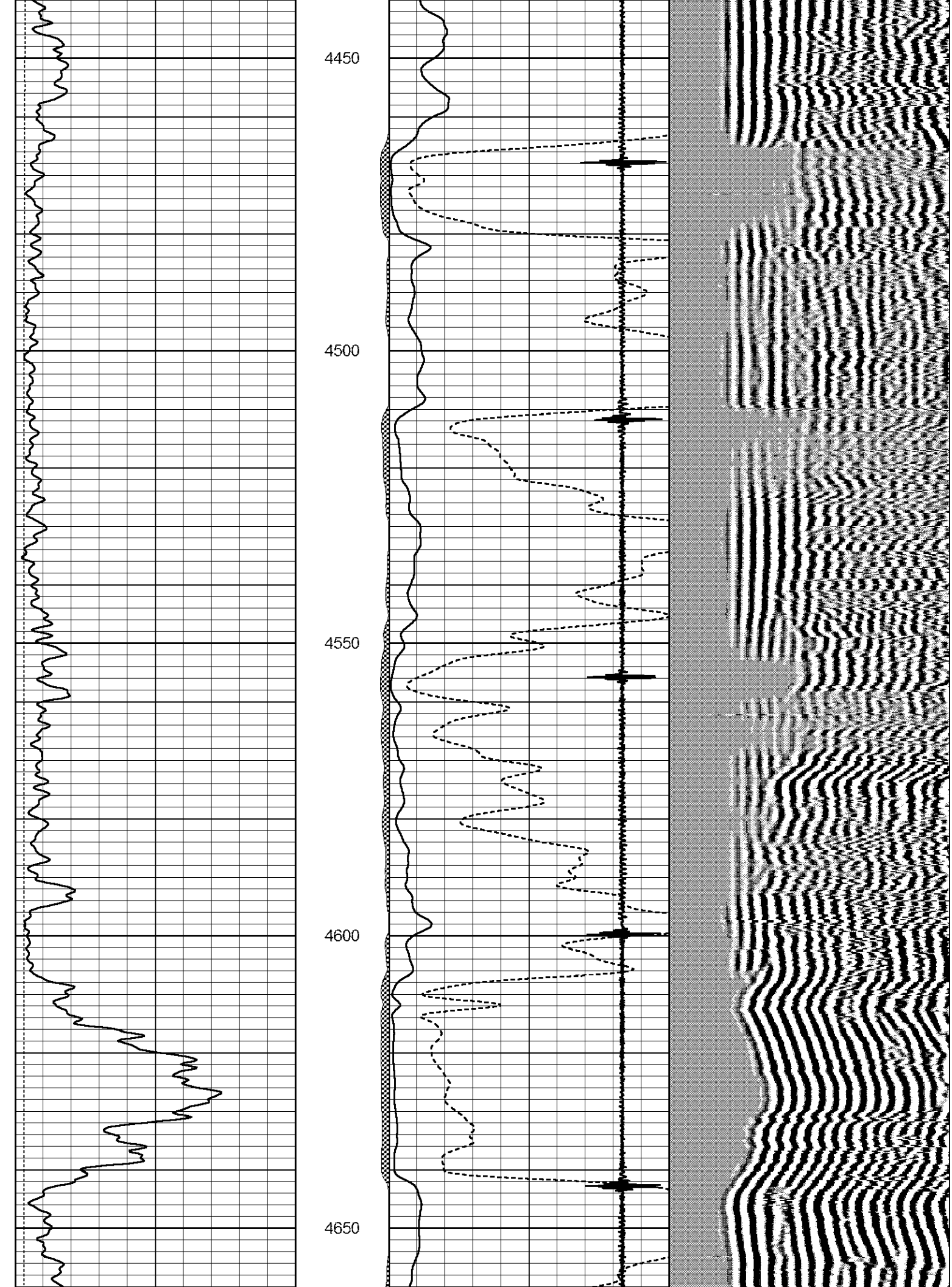
4300
4350
4400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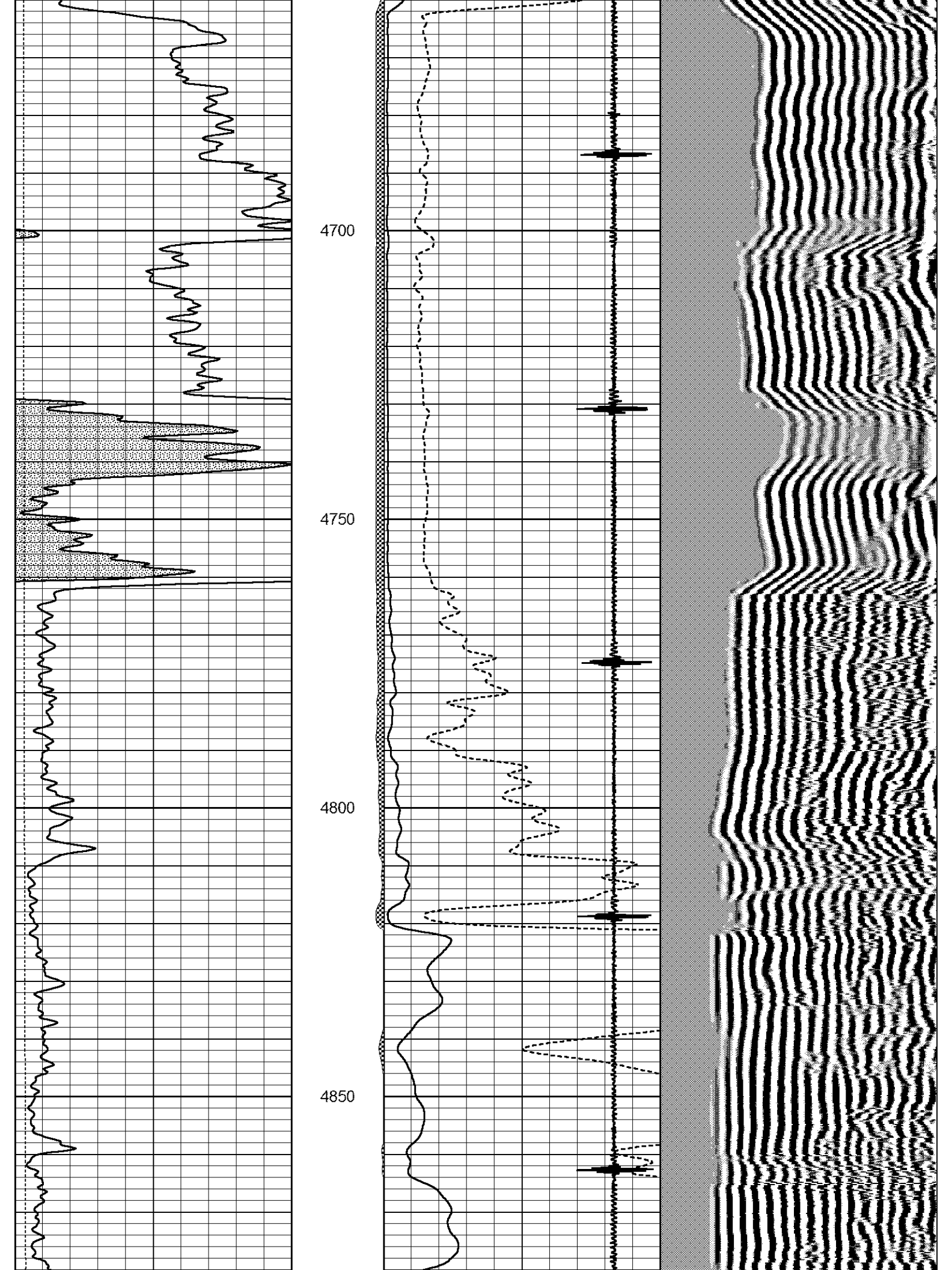
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4750
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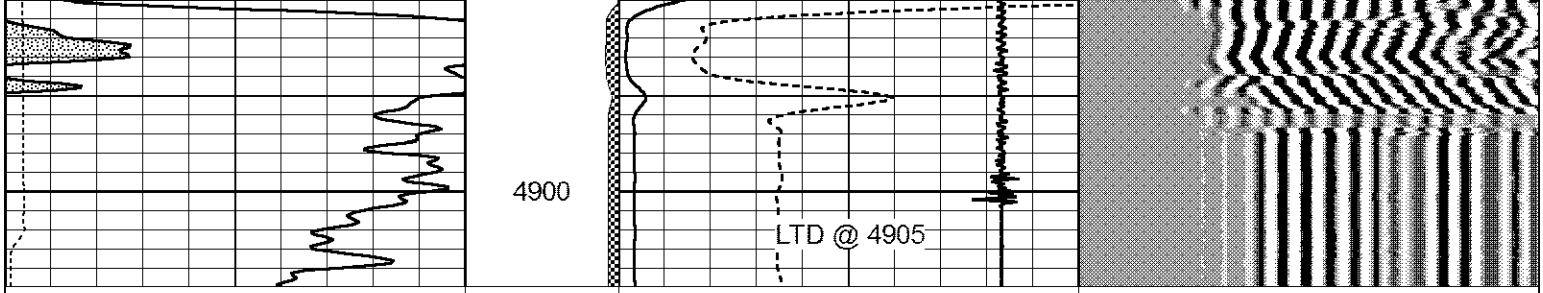
4850



0	GR (GAPI)	150	AMP3ft (mV) -100 10	0	Amplitude (mV)	100	200 Variable Density 1200
0	Line Tension (lb)	5000		0	Amplified Amplitude (mV)	10	
				20	Collar Locator	-4	

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Repeat Section

Database File:	atlas-sanders-schmisseur-4.db
Dataset Pathname:	grcbl/pass3
Presentation Format:	cbldig
Dataset Creation:	Tue Jan 10 10:05:27 2012 by Log SCH 110630
Charted by:	Depth in Feet scaled 1:240

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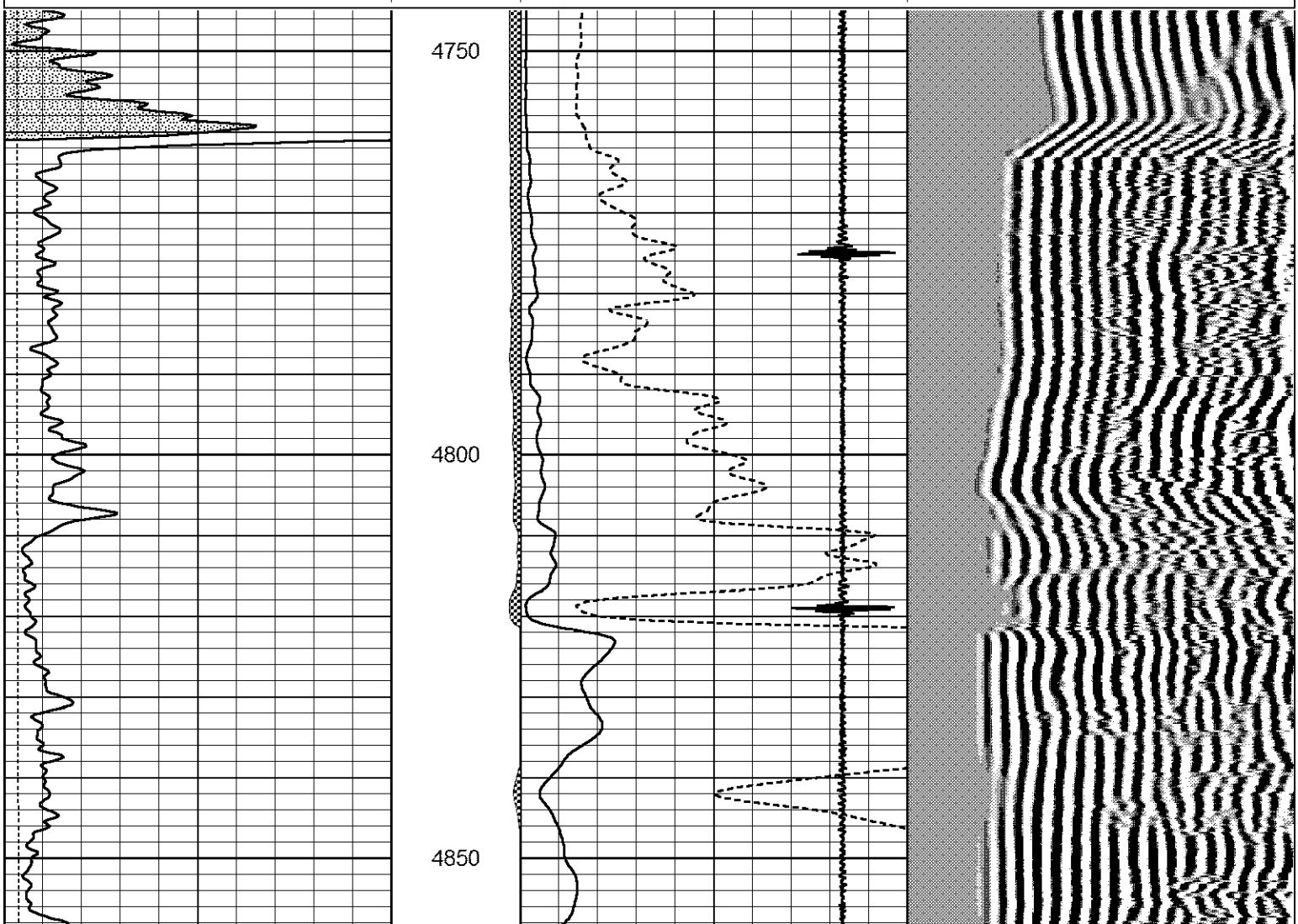
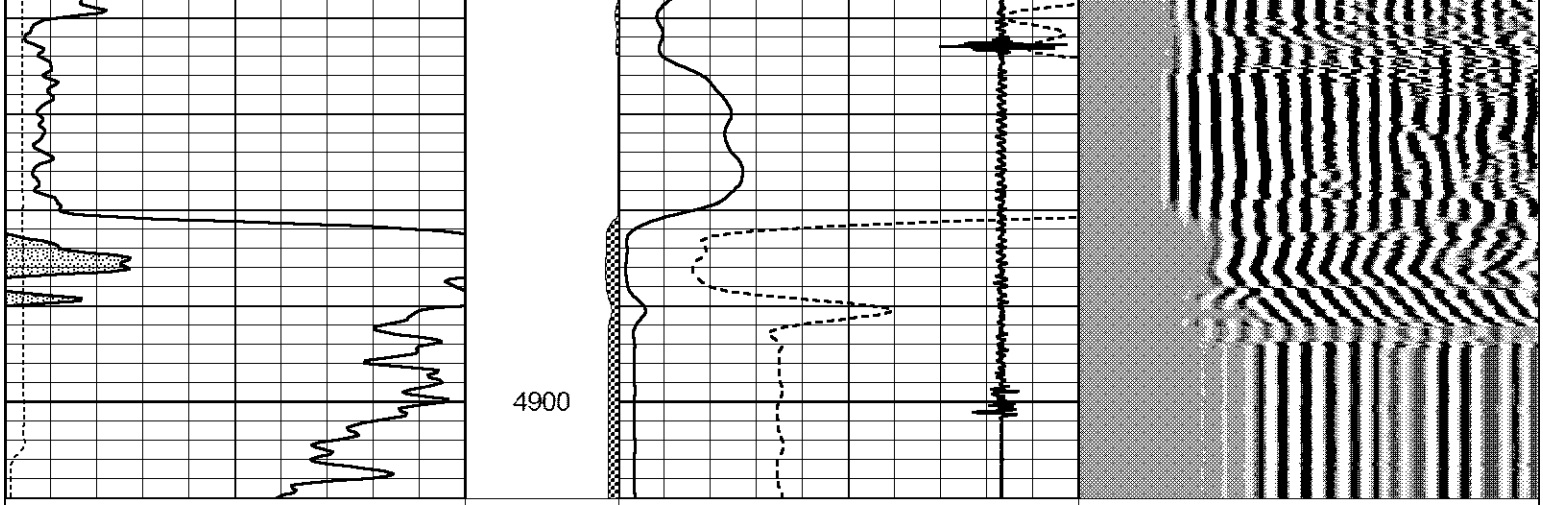
0	Line Tension (lb)	5000		0	Amplified Amplitude (mV)	10	
				20	Collar Locator	-4	





0 GR (GAPI) 150	AMP3ft (mV) -100 10	0 Amplitude (mV) 100	200 Variable Density 1200
0 Line Tension (lb) 5000		0 Amplified Amplitude (mV) 10	
		20 Collar Locator -4	