



CEMENT BOND LOG

Company	John O Farmer Inc.	Country	
Well	Mishler F #2		
Field	Wildcat		
County	Ness		
State	Kansas		
Location:	2020' FNL & 330' FEL		Other Services
Permanent Datum	SEC 15 TWP 17S RGE 25W		
Log Measured From	Ground Level	Elevation	2450'
Drilling Measured From	KB 8' AGL		
	KB		
Date	6-10-13		
Run Number	One		
Depth Driller	4490'		
Depth Logger	4462'		
Bottom Logged Interval	4460'		
Top Log Interval	1700'		
Open Hole Size	7 7/8"		
Type Fluid	Water		
Density / Viscosity	////		
Max. Recorded Temp.	////		
Estimated Cement Top	3330'		
Time Well Ready	Portable Mast		
Time Logger on Bottom	2:30 p.m.		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Val Dreher		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
Casing Record	Size	Wgt/Ft	Top
Surface String	8 5/8"		0
Prot. String			221'
Production String	5 1/2"		0
Liner			

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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

Arnold, K rd. S to 220 rd., W 2, S 1/2 W into

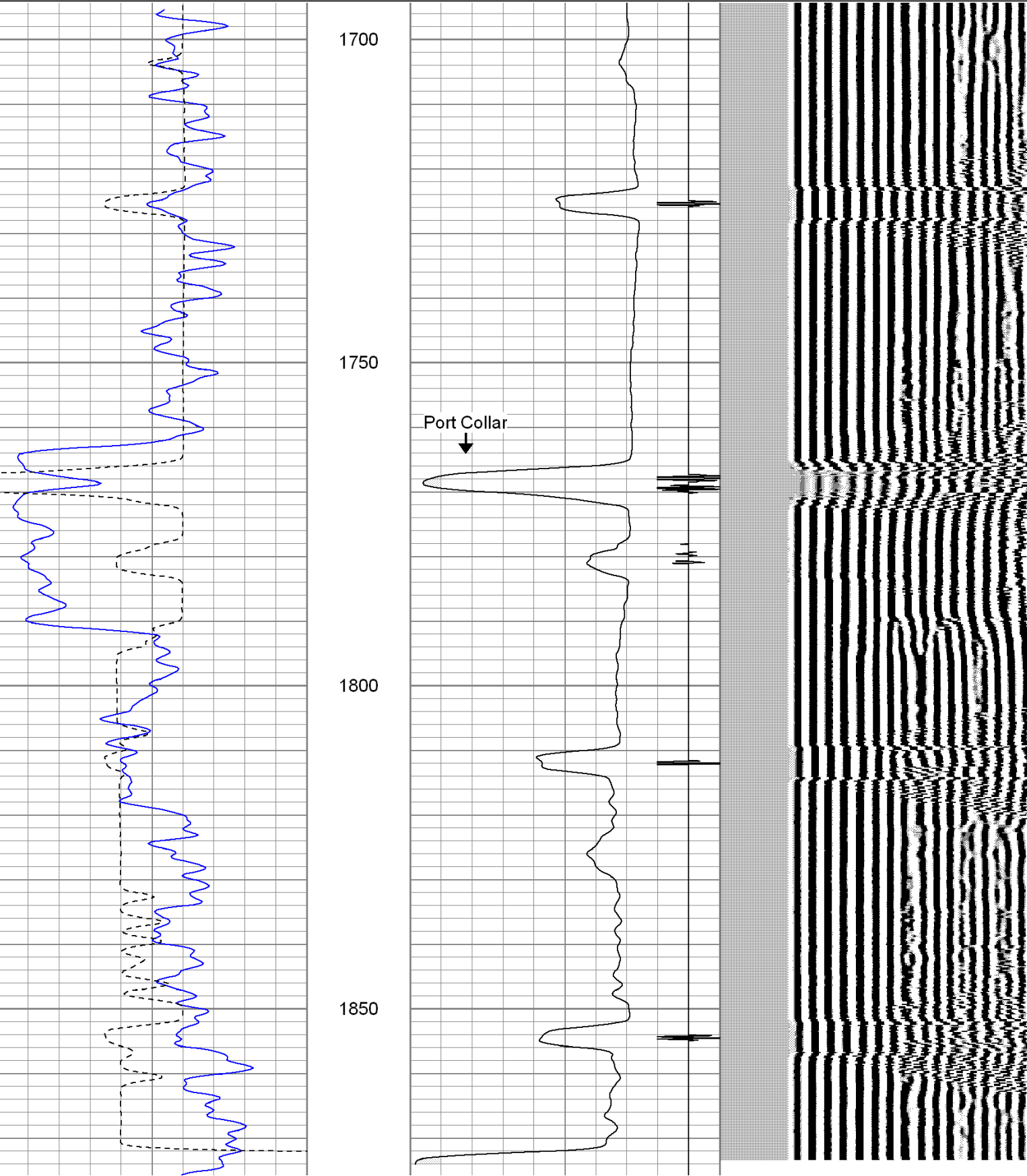
Thanks for using Gemini Wireline LLC Hays, KS. (785-625-1182)



Port Collar

Database File: jofmislerf#2cbl.db
Dataset Pathname: pass3
Presentation Format: cblsec
Dataset Creation: Mon Jun 10 15:00:39 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3 (mV)	100			
450	TT3 (usec)	250						



0	GR (GAPI)	150
150	GR (GAPI)	300
450	TT3 (usec)	250

18	CCL	-2
0	AMP3 (mV)	100

200 VDL 1200



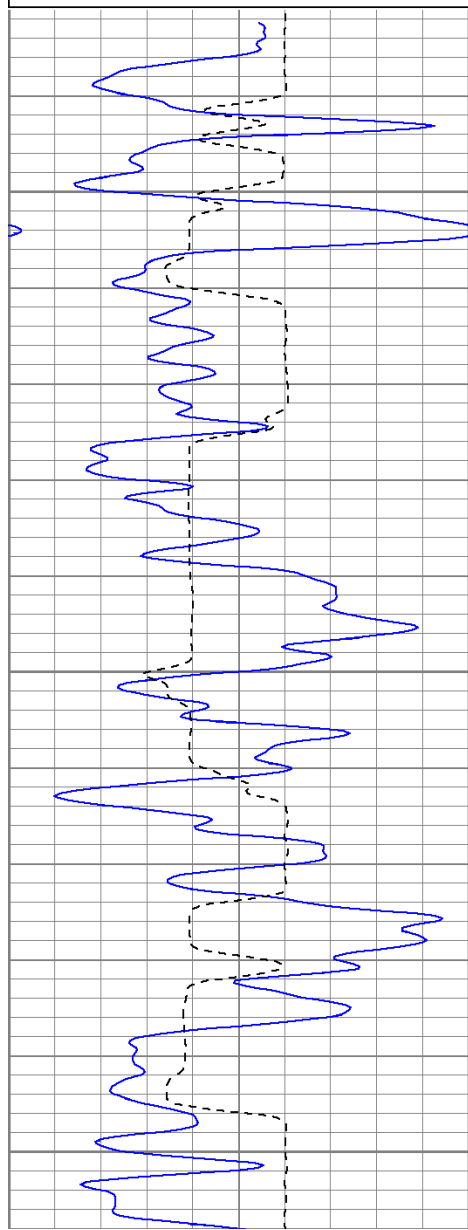
Main Pass

Database File: jofmislerf#2cbl.db
Dataset Pathname: pass2
Presentation Format: cblsec
Dataset Creation: Mon Jun 10 14:29:54 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
150	GR (GAPI)	300
450	TT3 (usec)	250

18	CCL	-2
0	AMP3 (mV)	100

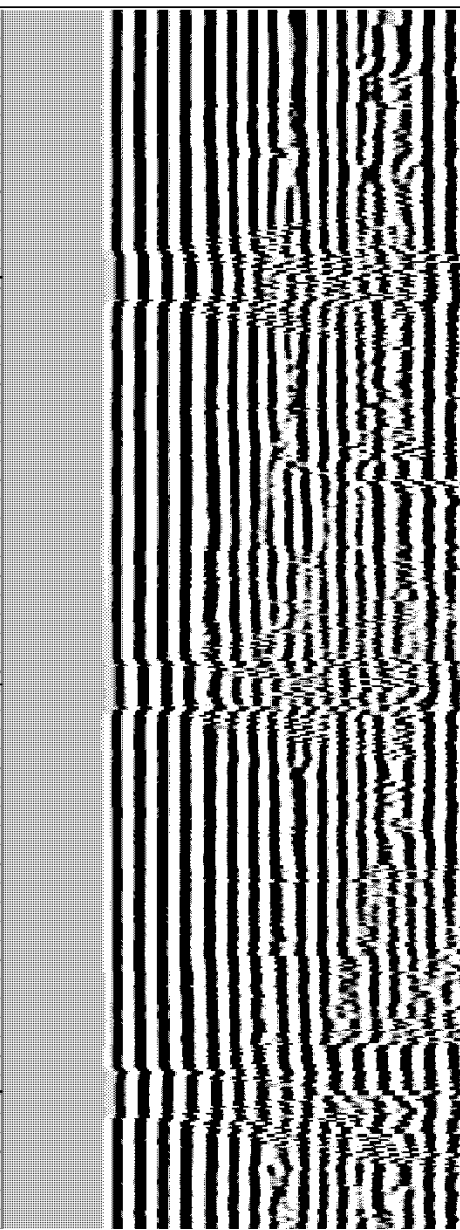
200 VDL 1200

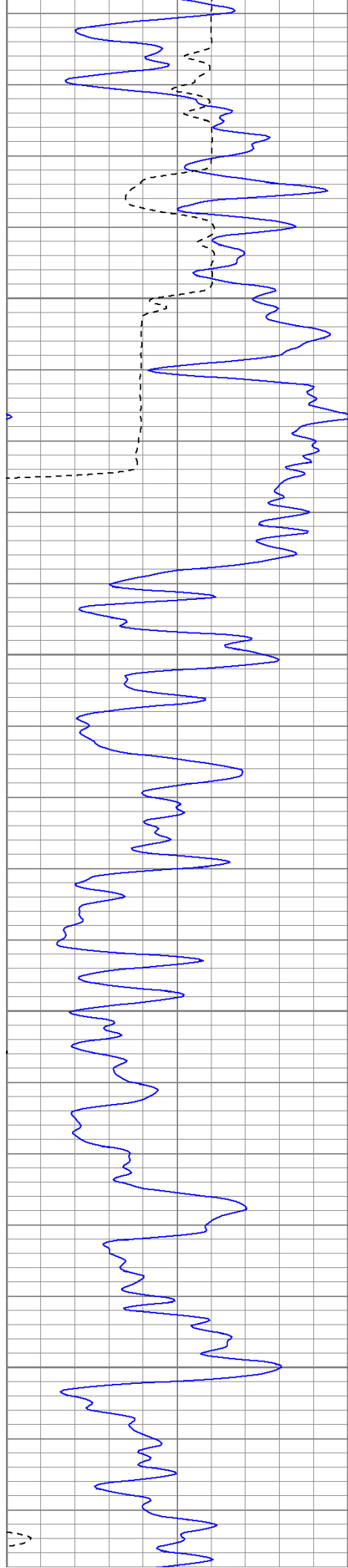


3150

3200

3250



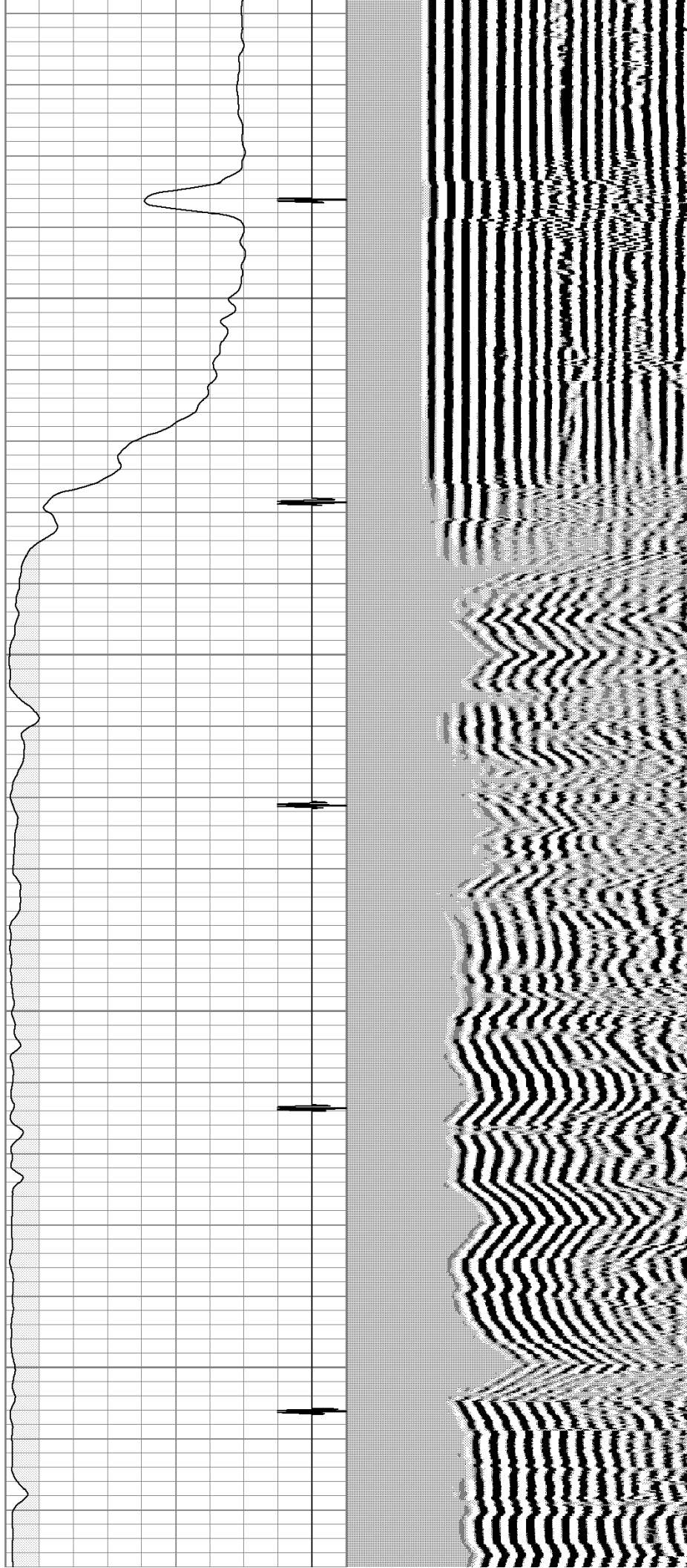


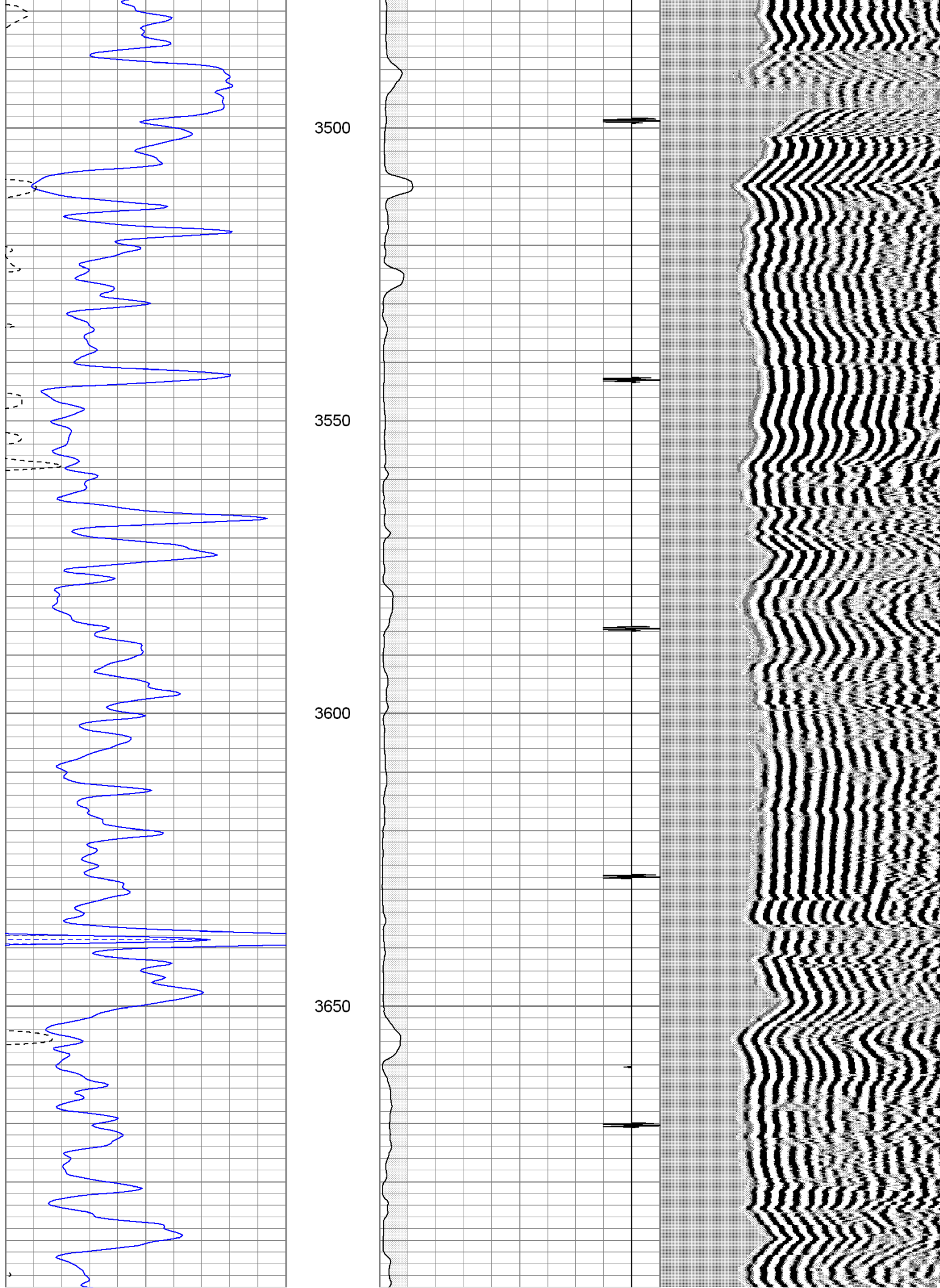
3300

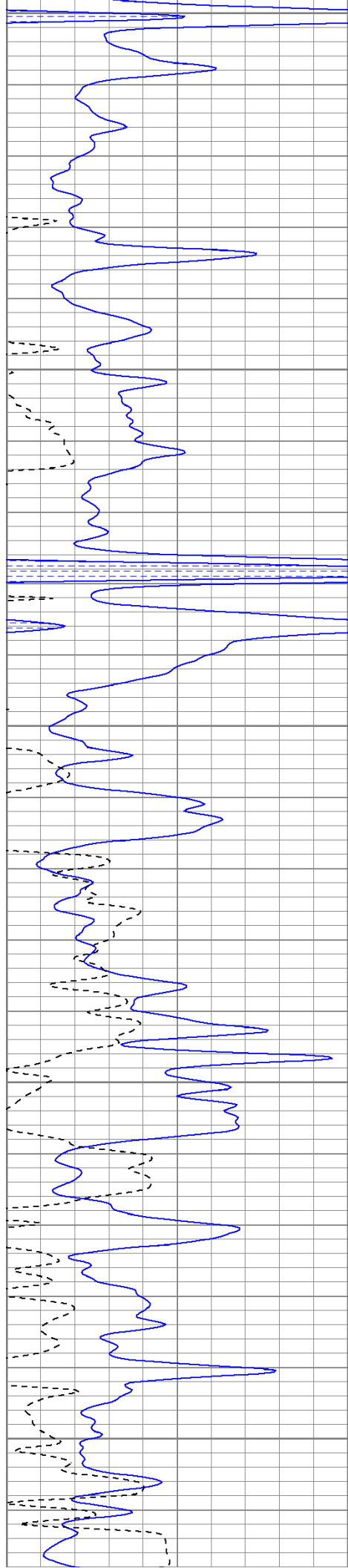
3350

3400

3450







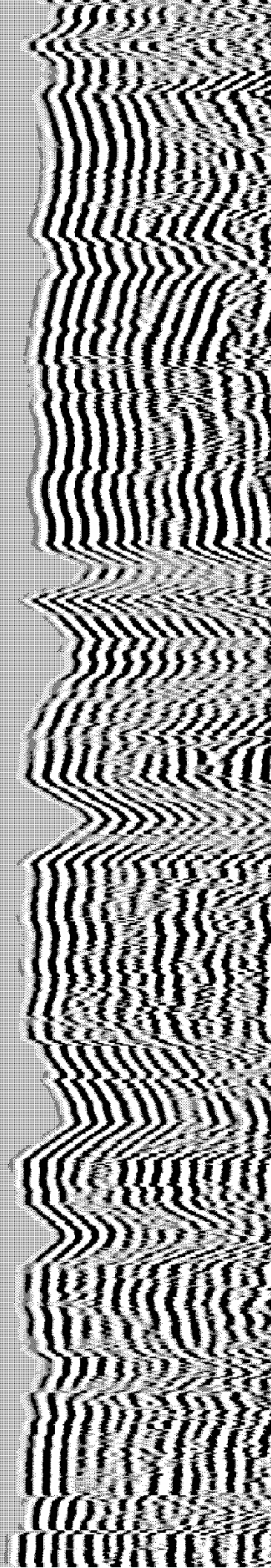
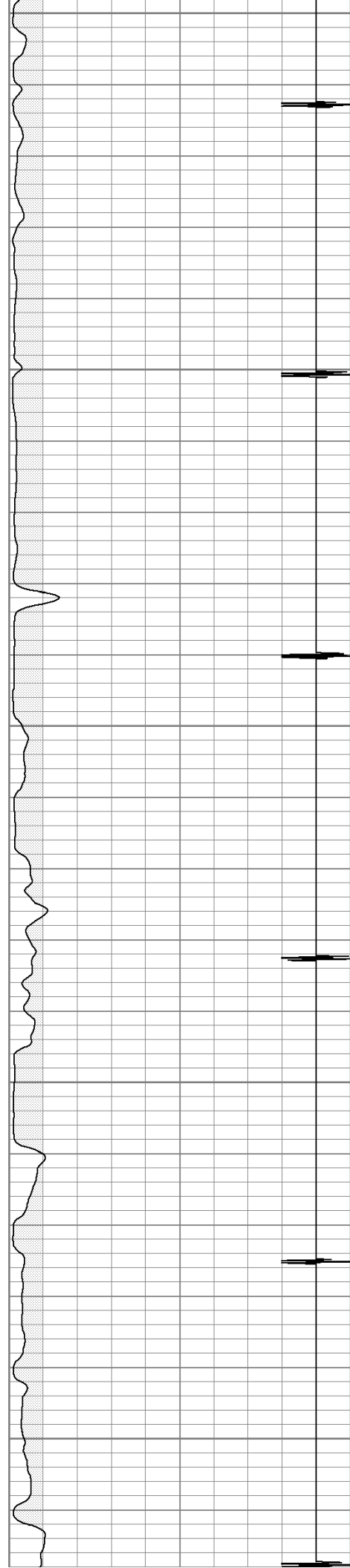
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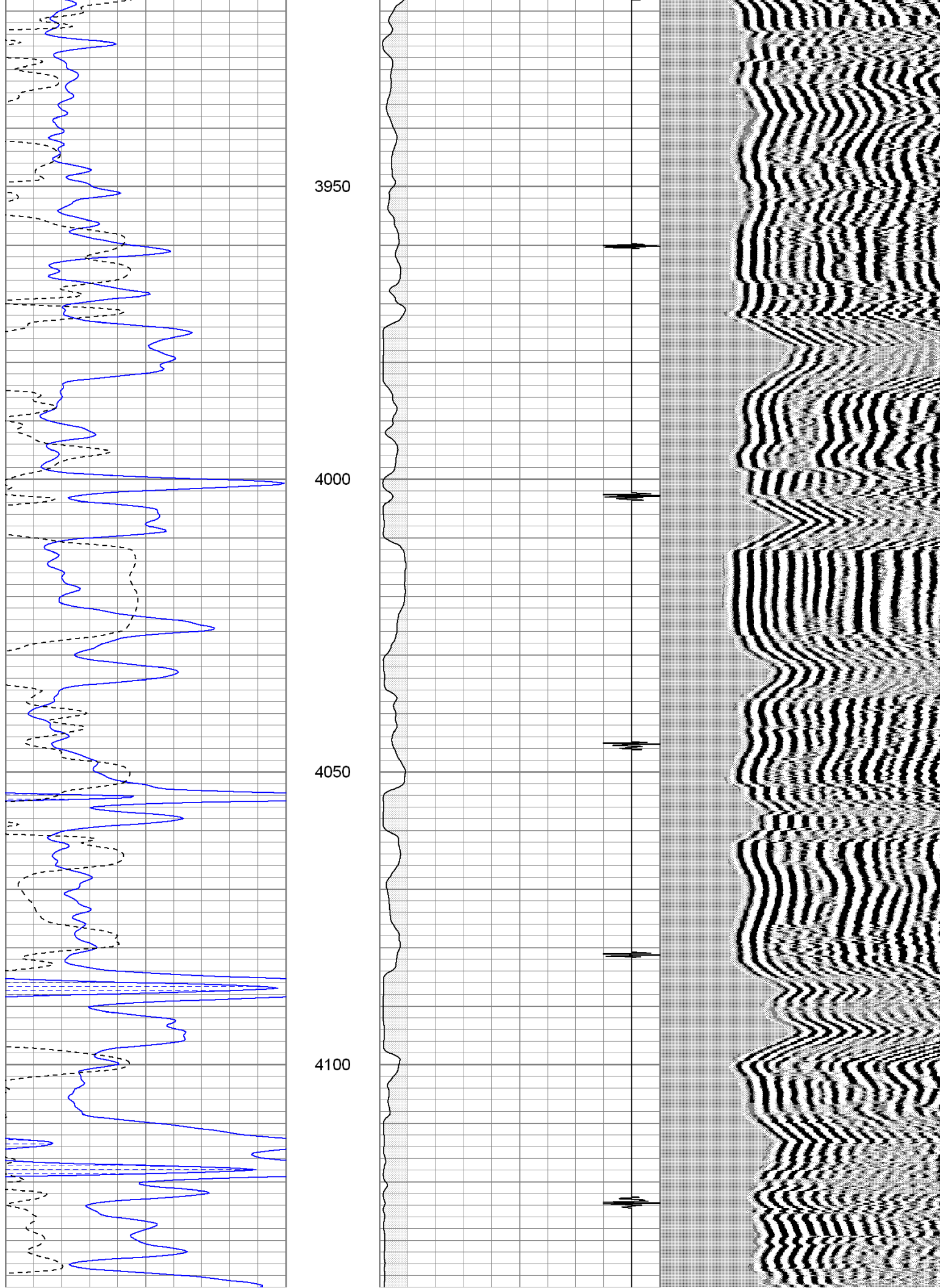
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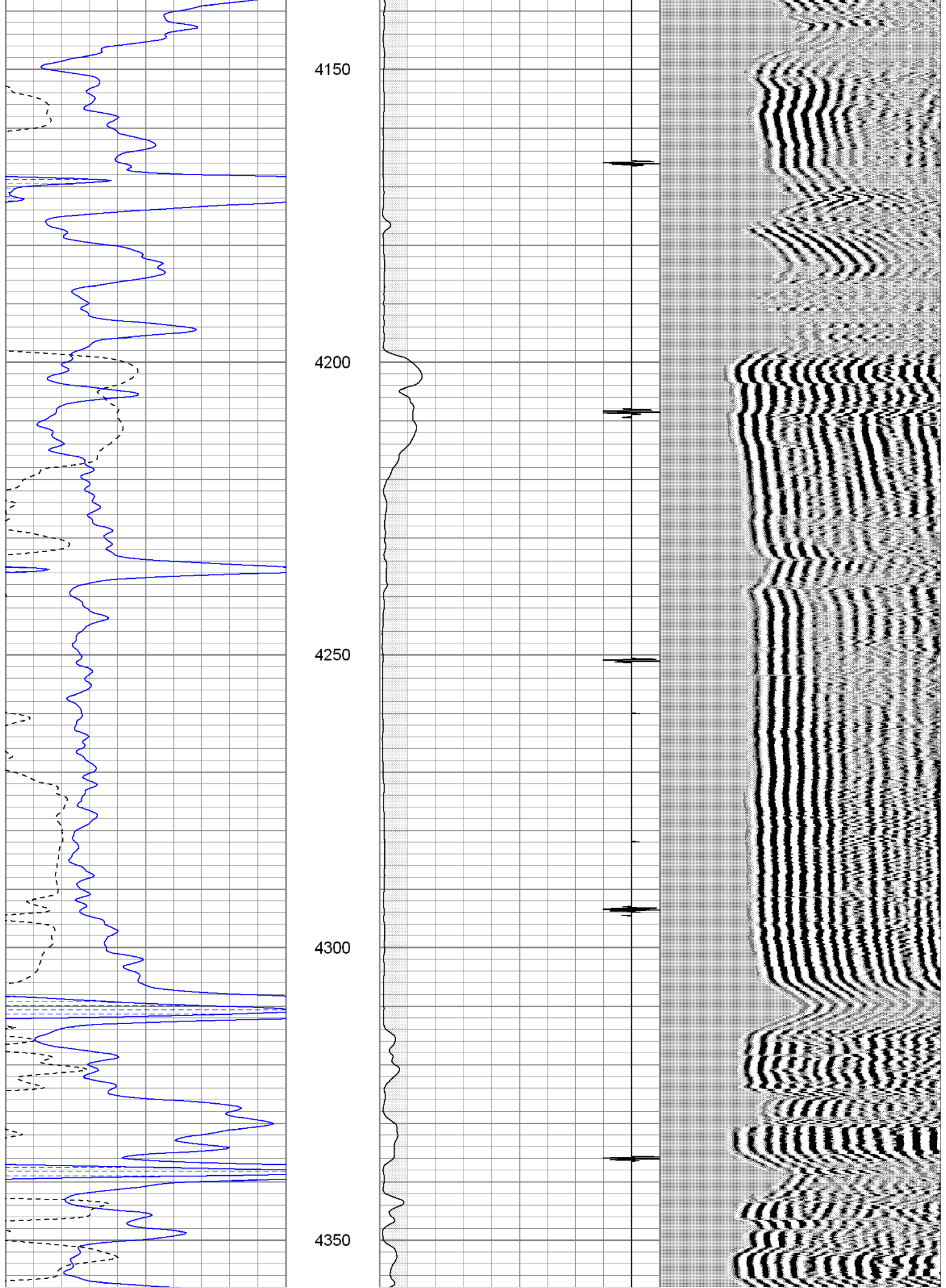
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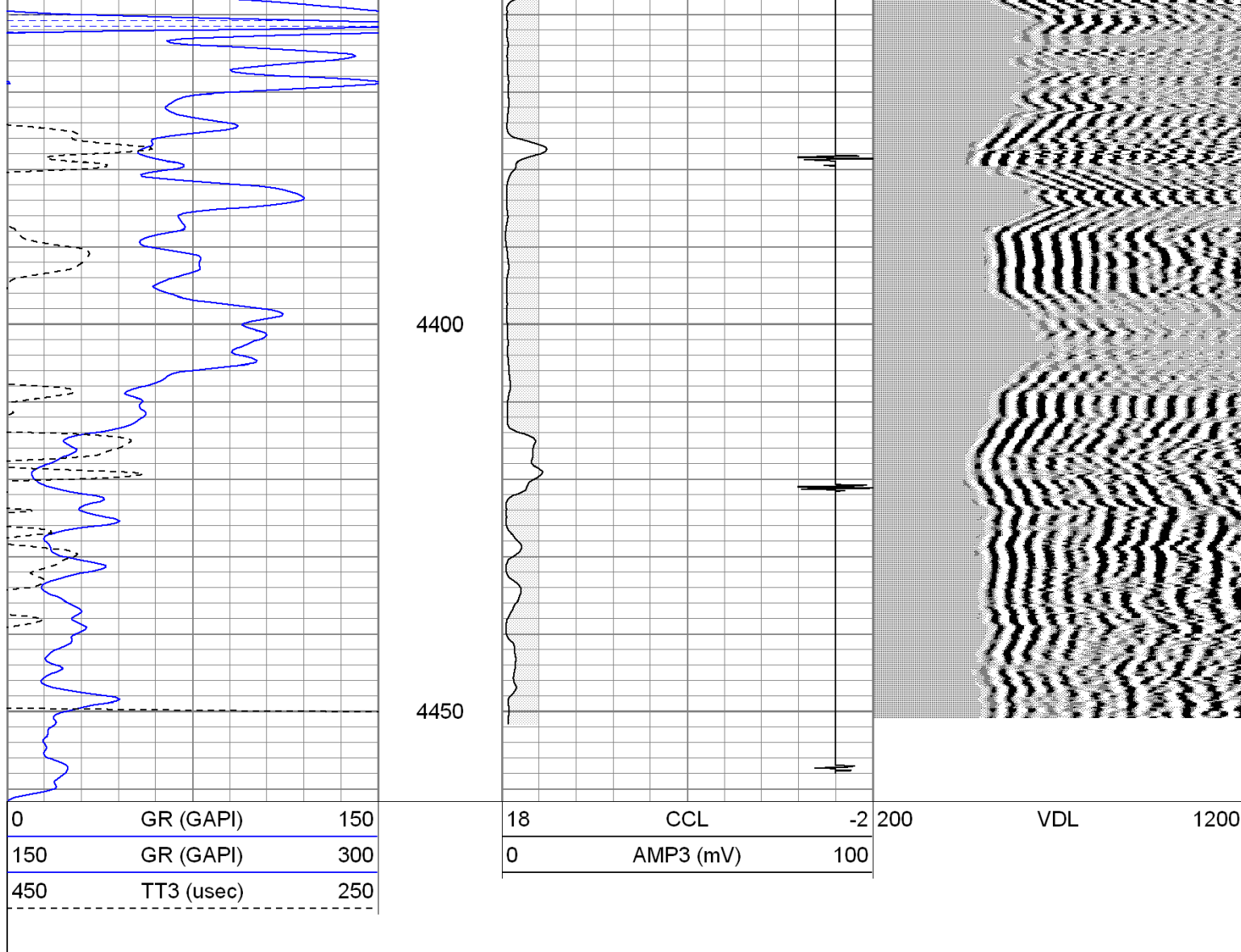
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3900



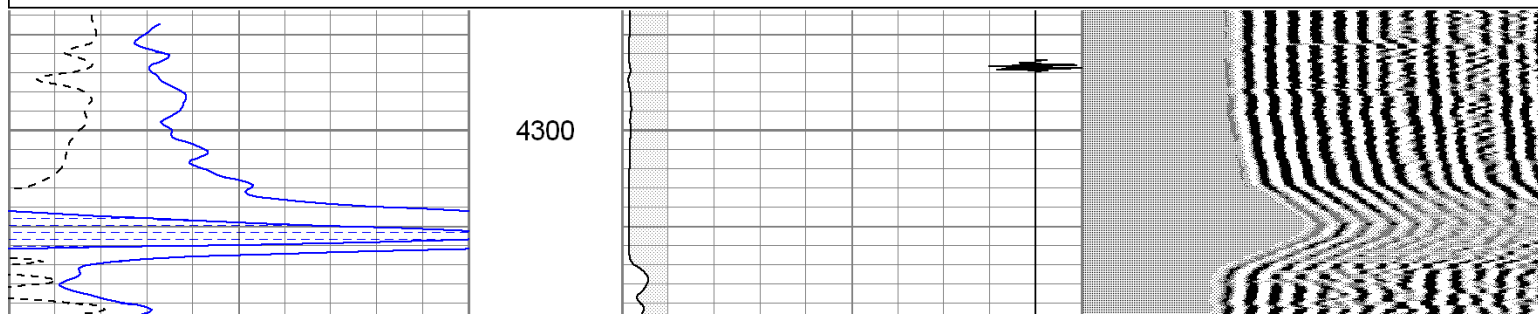
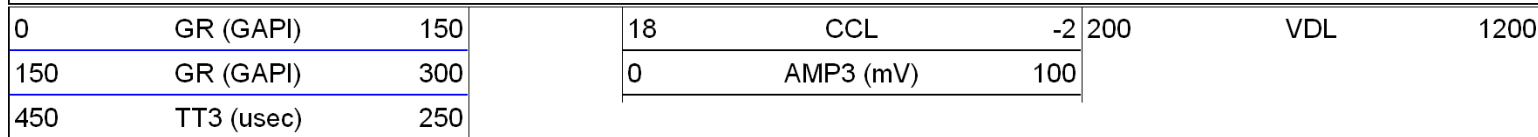


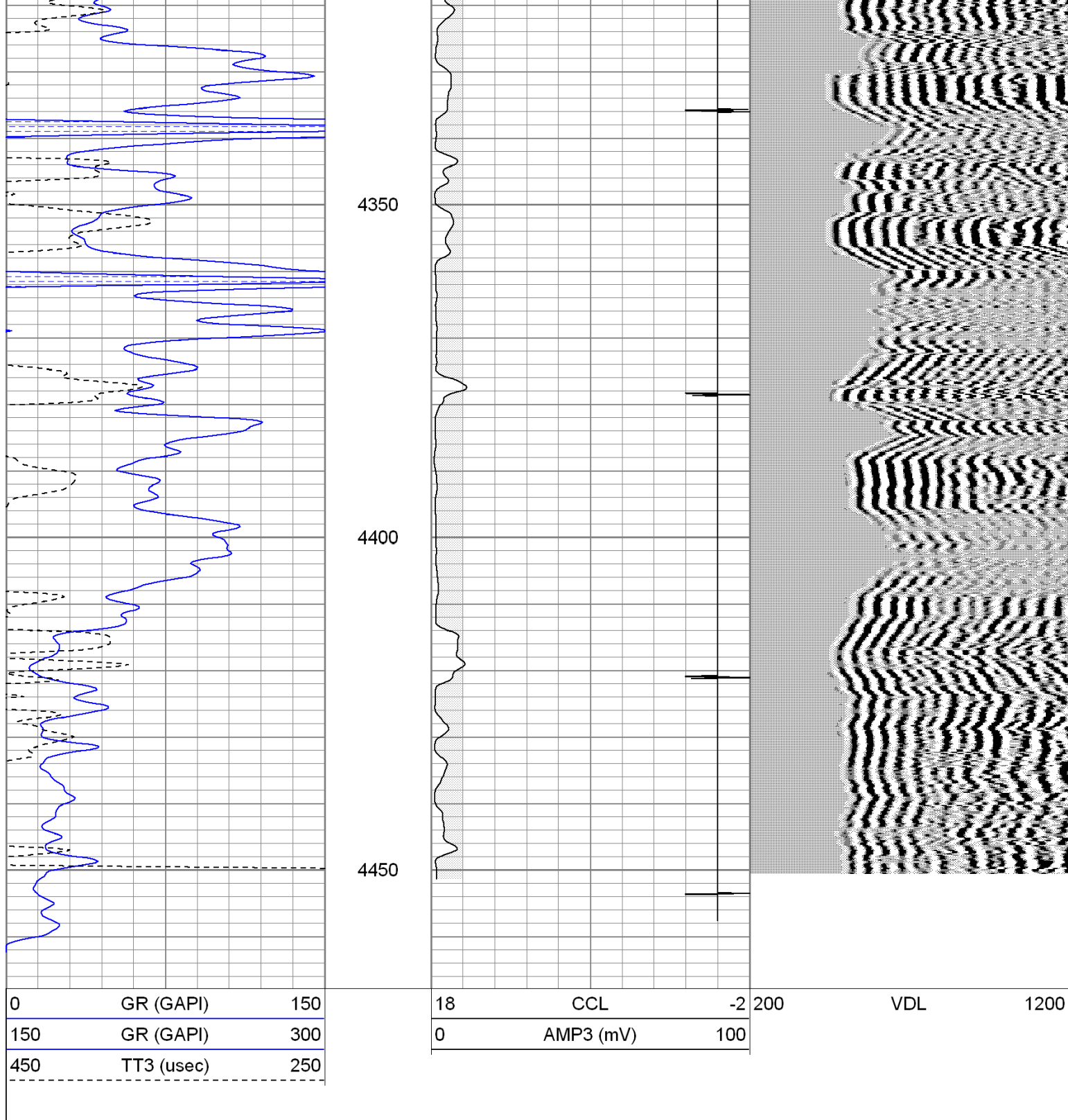




Repeat Pass

Database File: jofmislerf#2cbl.db
 Dataset Pathname: pass1
 Presentation Format: cblsec
 Dataset Creation: Mon Jun 10 14:24:19 2013 by Log Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: jofmislerff#2cbl.db
Dataset Pathname: pass1
Dataset Creation: Mon Jun 10 14:24:19 2013 by Log Open-Cased 100827

Gamma Ray Calibration Report

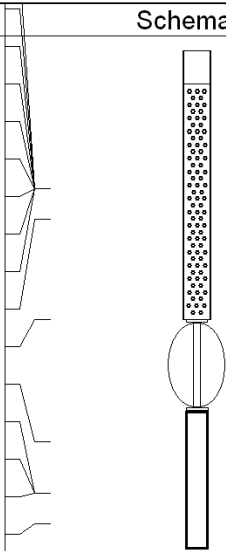
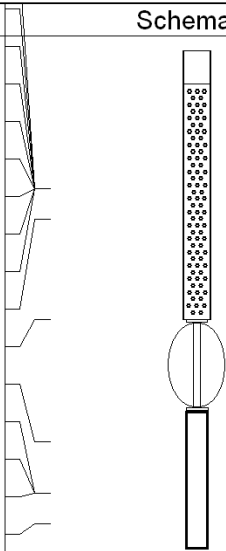
Serial Number: 081014
Tool Model: 275D_INC
Performed: Mon Mar 11 14:00:08 2013

Calibrator Value: 200.0 GAPI

Background Reading: 50.0 cps

Calibrator Reading:		250.0		cps		
Sensitivity:		0.9000		GAPI/cps		
Inclinometer Calibration Report						
Performed:		Mon Mar 11 14:00:20 2013				
Low Read.	High Read.	Low Ref.	High Ref.		Gain	Offset
X Accelerometer -3589.40	3580.00	-1.00	1.00	gee	0.00	0.00
Y Accelerometer -3673.00	3520.20	-1.00	1.00	gee	0.00	0.02
Z Accelerometer 24.60	3577.40	0.00	1.00	gee	0.00	-0.01
RB					1.00	0.00
Segmented Cement Bond Log Calibration Report						
Serial Number:		080321				
Tool Model:		ProbeRadial				
Calibration Casing Diameter:		5.500		in		
Calibration Depth:		3578.012		ft		
Master Calibration, performed Fri Apr 05 09:35:34 2013:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.012	1.059	1.000	71.921	66.179	1.806
CAL	-0.013	1.043				
5'	-0.013	1.119	1.000	71.921	62.697	1.786
SUM						
S1	-0.012	1.056	0.000	72.000	67.443	0.781
S2	-0.012	1.063	0.000	72.000	66.958	0.821
S3	-0.012	1.064	0.000	72.000	66.937	0.797
S4	-0.012	1.051	0.000	72.000	67.776	0.789
S5	-0.012	1.054	0.000	72.000	67.532	0.815
S6	-0.012	1.047	0.000	72.000	67.976	0.847
S7	-0.012	1.037	0.000	72.000	68.607	0.856
S8	-0.012	1.037	0.000	72.000	68.616	0.840
Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.013	1.043	1.000	0.000
Air Zero Calibration, performed Fri Aug 31 08:11:04 2012:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	

SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)			
WVFS2	11.75		SCBL-ProbeRadial (080321) Probe 2 3/4 RadII	8.75	2.75	106.50			
WVFS3	11.75								
WVFS4	11.75								
WVFS5	11.75								
WVFS6	11.75								
WVFS7	11.75								
WVFS8	11.75								
WVF5FT	10.75								
WVFCAL	7.50		X	3.00	1.69	25.00			
CCL	3.50								
ACCX	1.83								
ACCY	1.83								
ACCZ	1.83								
GR	0.83								
		Dataset:	jofmislerf#2cbl.db: field/well/run1/pass1						
		Total Length:	16.25 ft						
		Total Weight:	181.50 lb						
		O.D.	2.75 in						