



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

CEMENT BOND GAMMA RAY

Company Pioneer Natural Resources
Well Heidsick 11-2 Tr
Field Purgatorie River
County Las Animas
State CO

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Field Purgatorie River
County Las Animas State CO

Location: API #: 05 071 09155 00

611' FNL & 624' FWL

SEC 2 TWP 32S RGE 66W

Permanent Datum Ground Level Elevation 7115'
Log Measured From Kelly Bushing 4' Above G.L.
Drilling Measured From Kelly Bushing

Other Services
DEVI SUR/
TEMP

Elevation

K.B. 7119'
D.F. -----
G.L. 7115'

Date 4/16/07

Run Number one

Depth Driller 1540'

Depth Logger 1499'

Bottom Logged Interval 1495'

Top Log Interval Surf.

Open Hole Size 7 7/8"

Type Fluid water

Density / Viscosity ///

Max. Recorded Temp. 108F

Estimated Cement Top Surf.

Time Well Ready ROA

Time Logger on Bottom 12:30

Equipment Number 0703

Location Trinidad

Recorded By Worley

Witnessed By

Borehole Record

Run Number Bit From To Size Weight From To

Casing Record Size Wgt/Ft Top Bottom

Surface String 8 5/8" 00 315'

Prot. String

Production String 5 1/2" 00 NA

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

Aguliar to Gulnare, left at bar, go over bridge and take right at Y,
stay on main road to house, go right, at Y go left, drive past turn off to Sunfire,
take next left and next left to location.

2.5 Degrees of Deviation @ T.D.



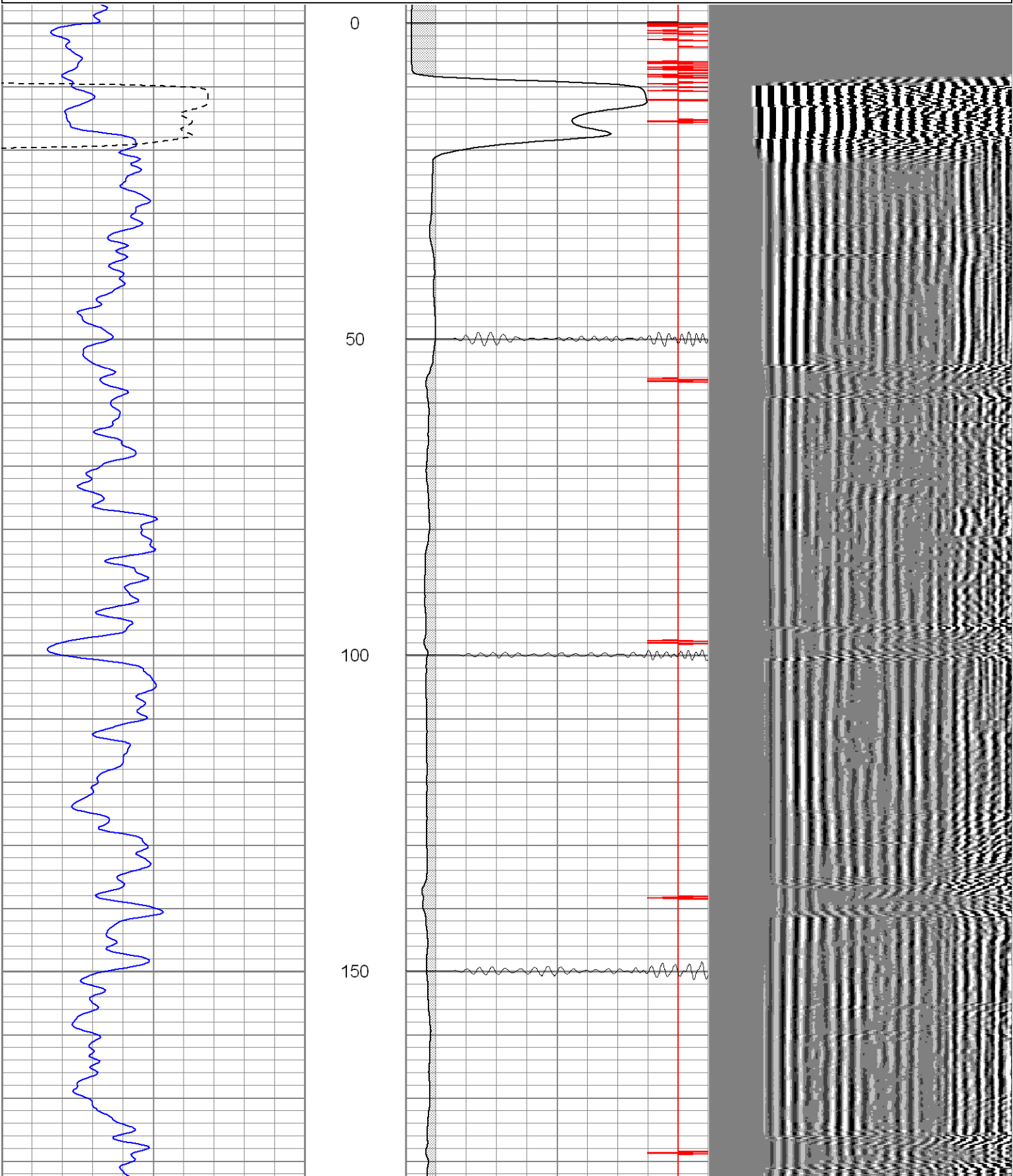
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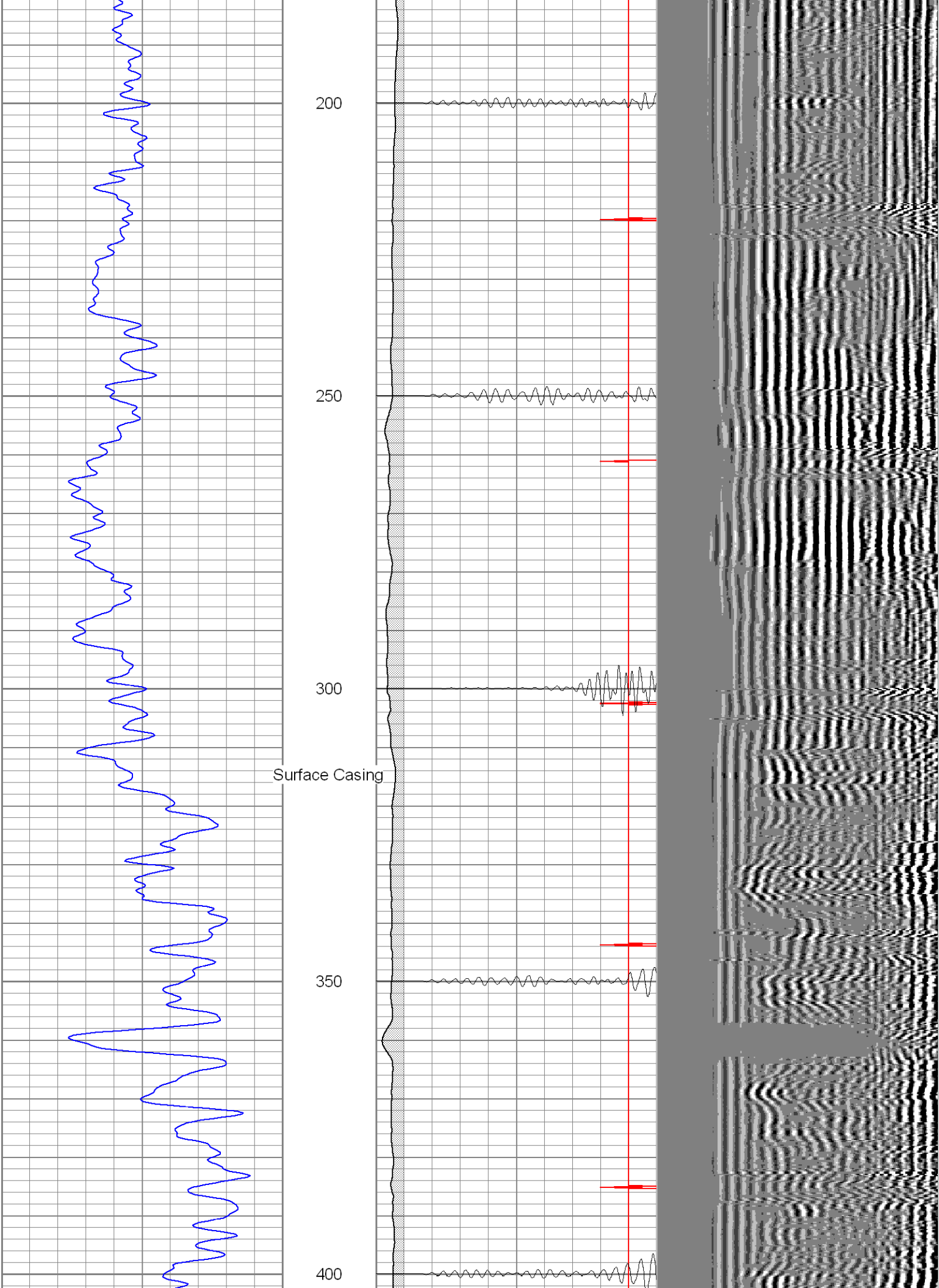
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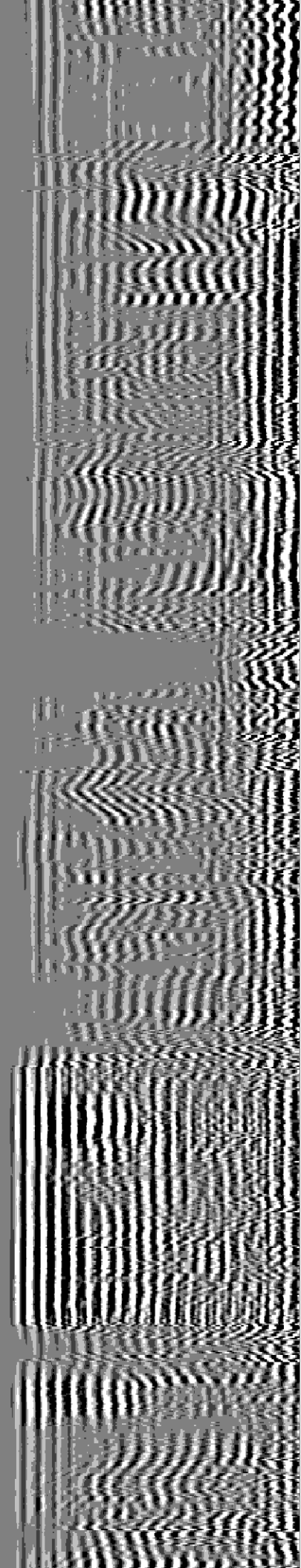
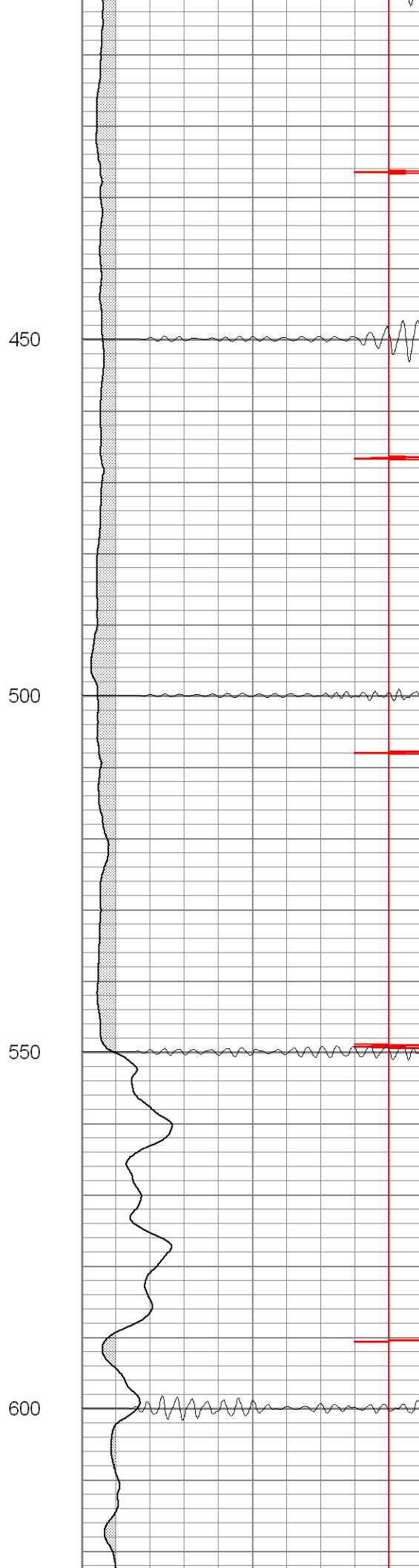
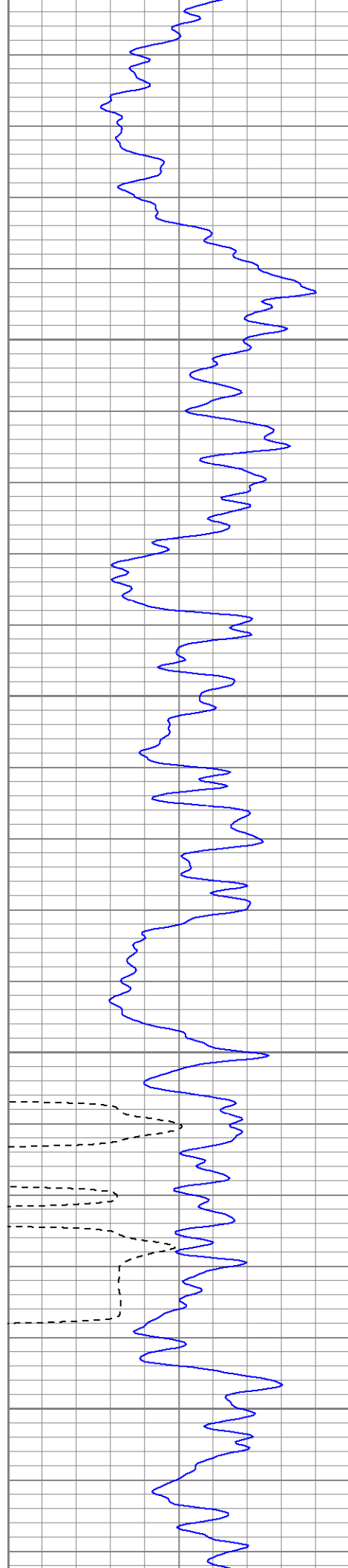
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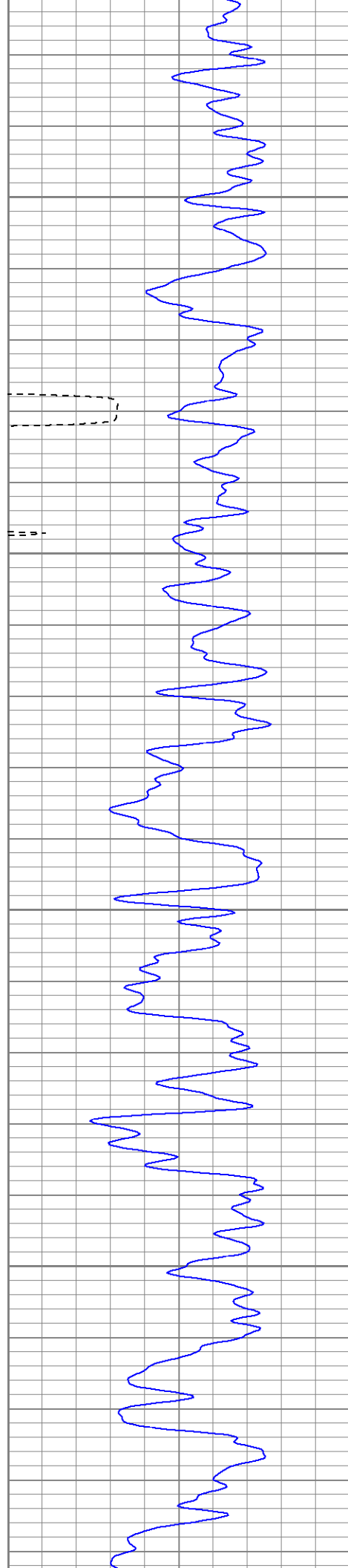
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Dataset Pathname: pass2
Presentation Format: cblrt
Dataset Creation: Mon Apr 16 12:36:52 2007 by Log Warrior 7.0 STD Cas
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	0	AMP3 (mV)	100	200	Variable Density	1200
400	TT3 (usec)	200	18	CCL	-2			
			200	CBL5	1200			







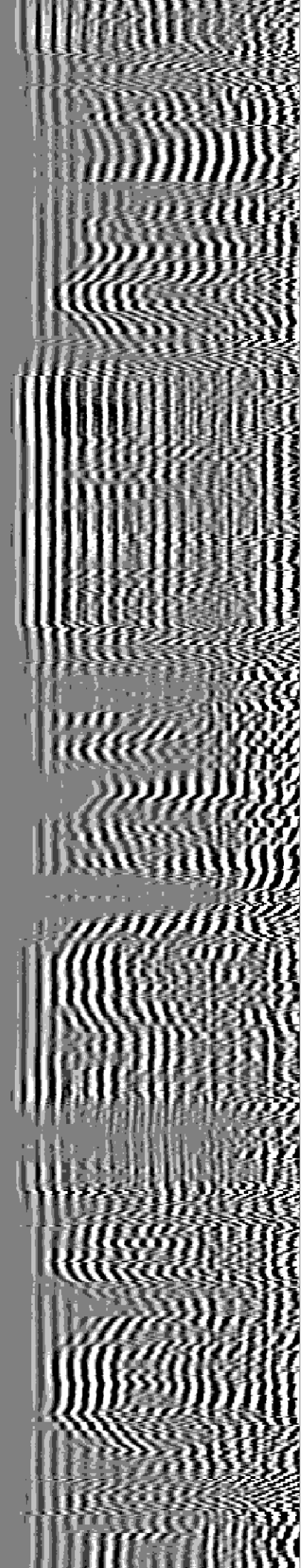
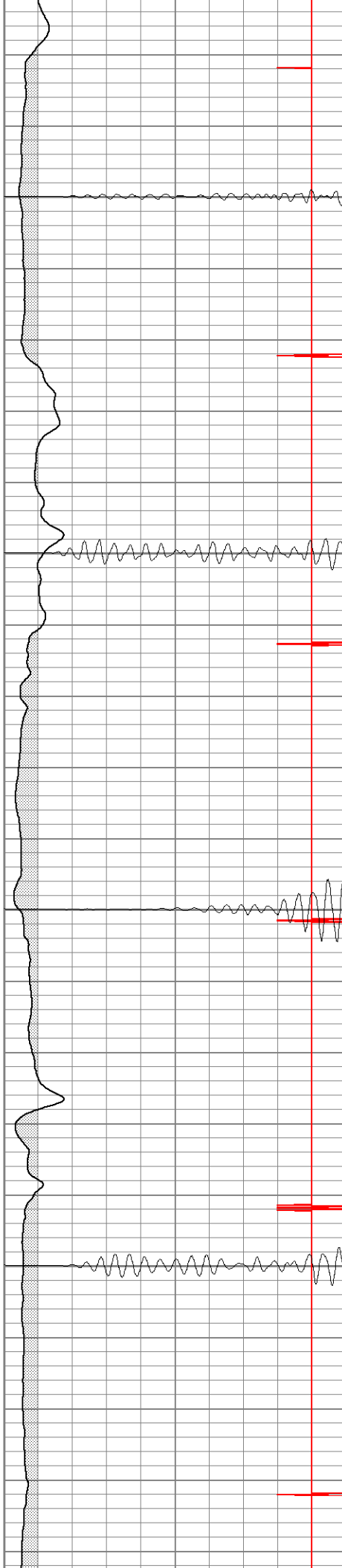


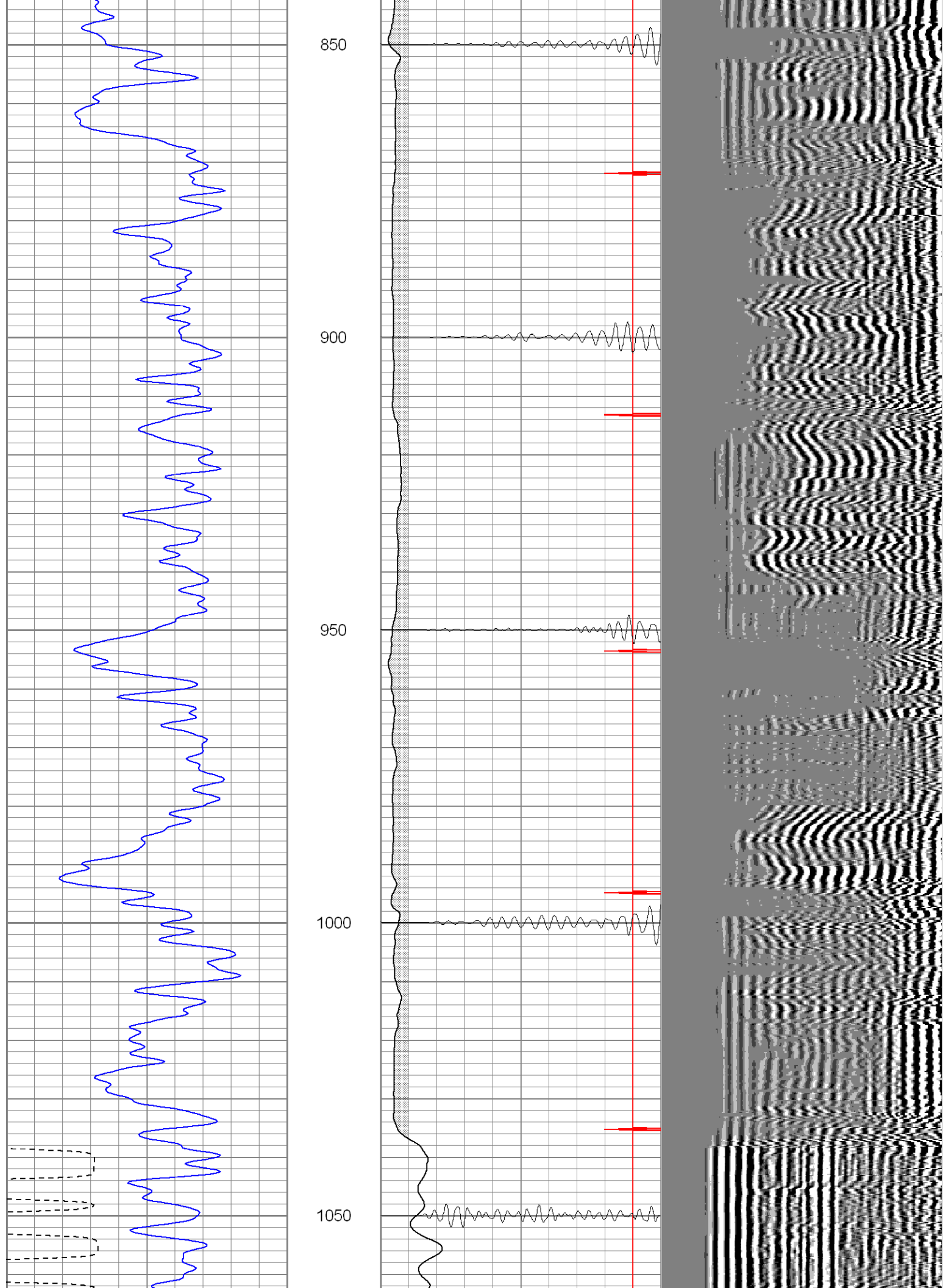
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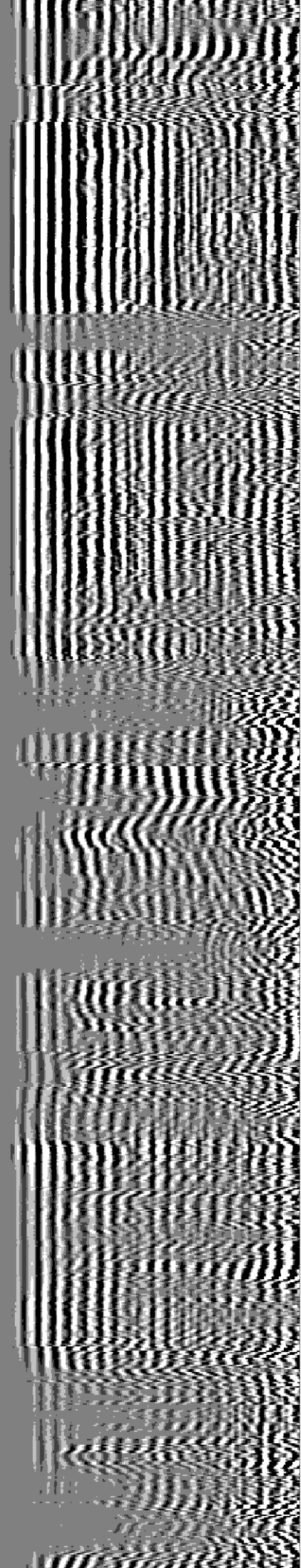
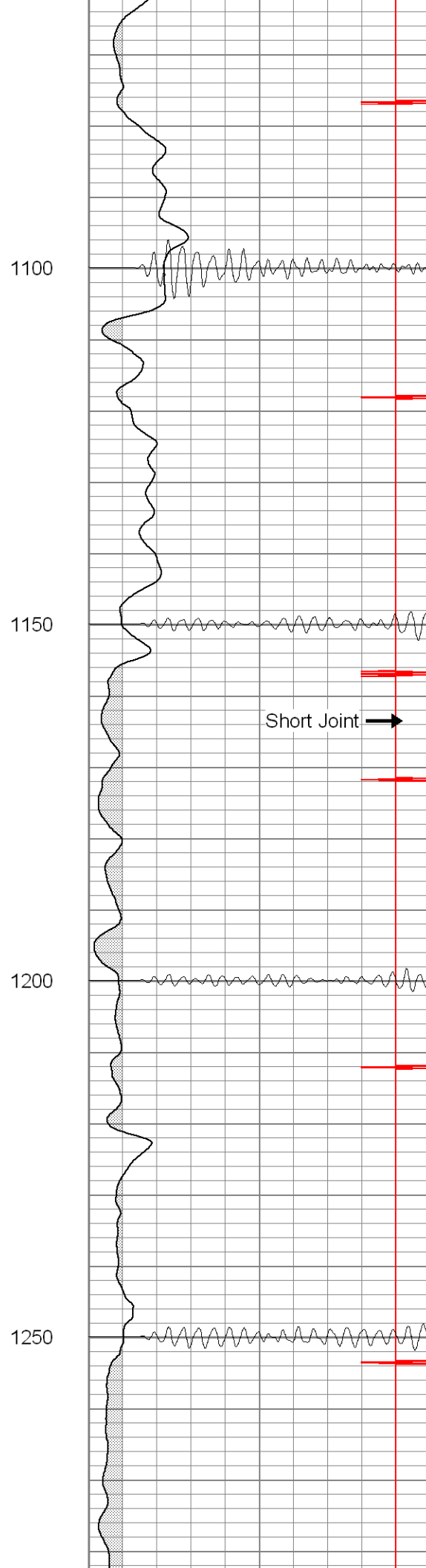
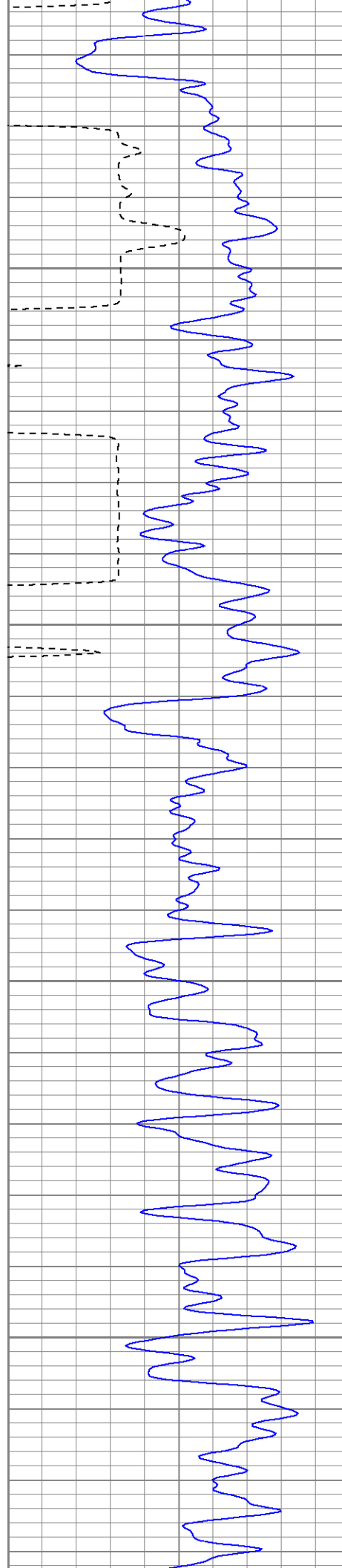
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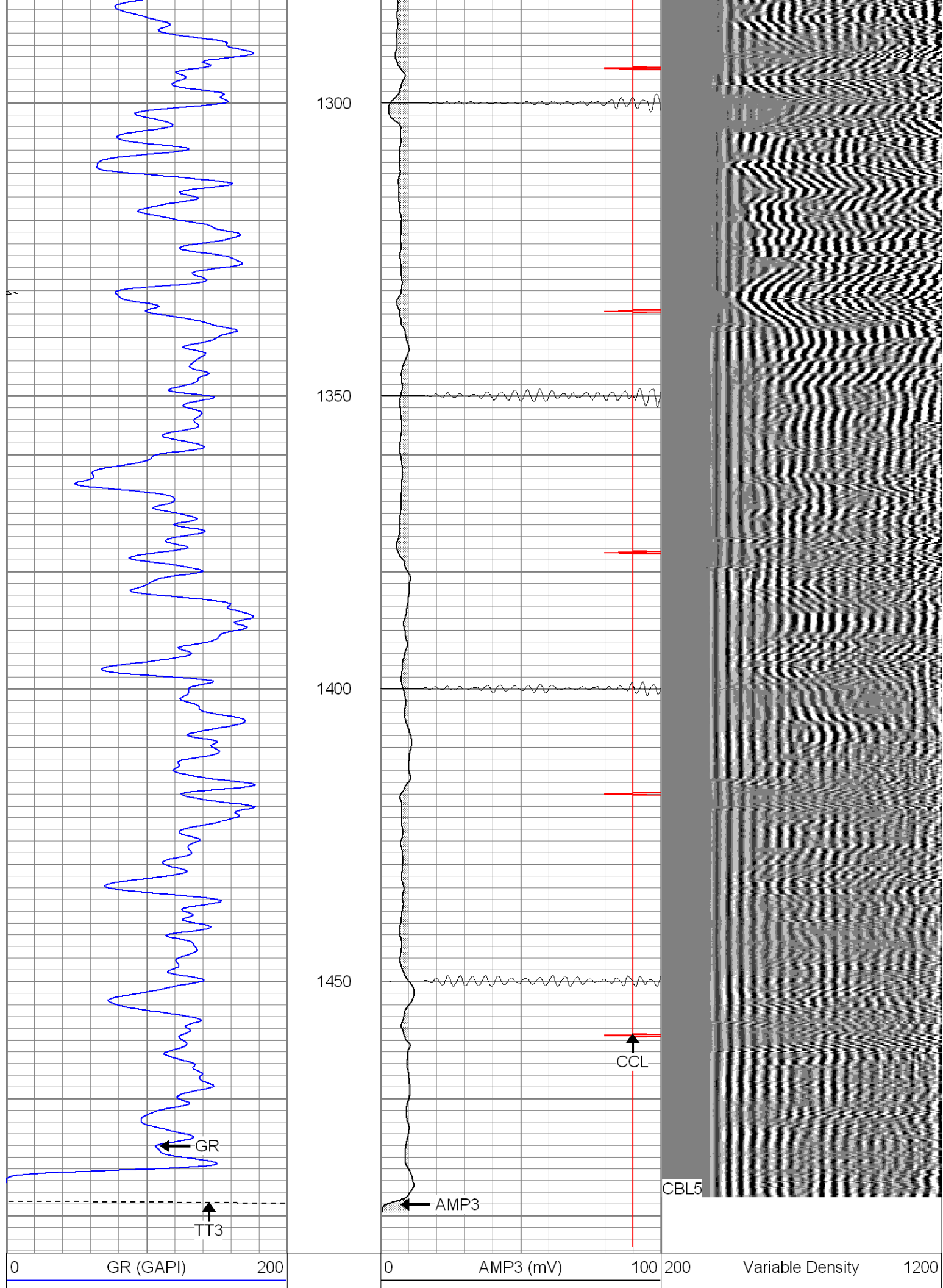
750

800










400	TT3 (usec)	200
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18	CCL	-2
200	CBL5	1200
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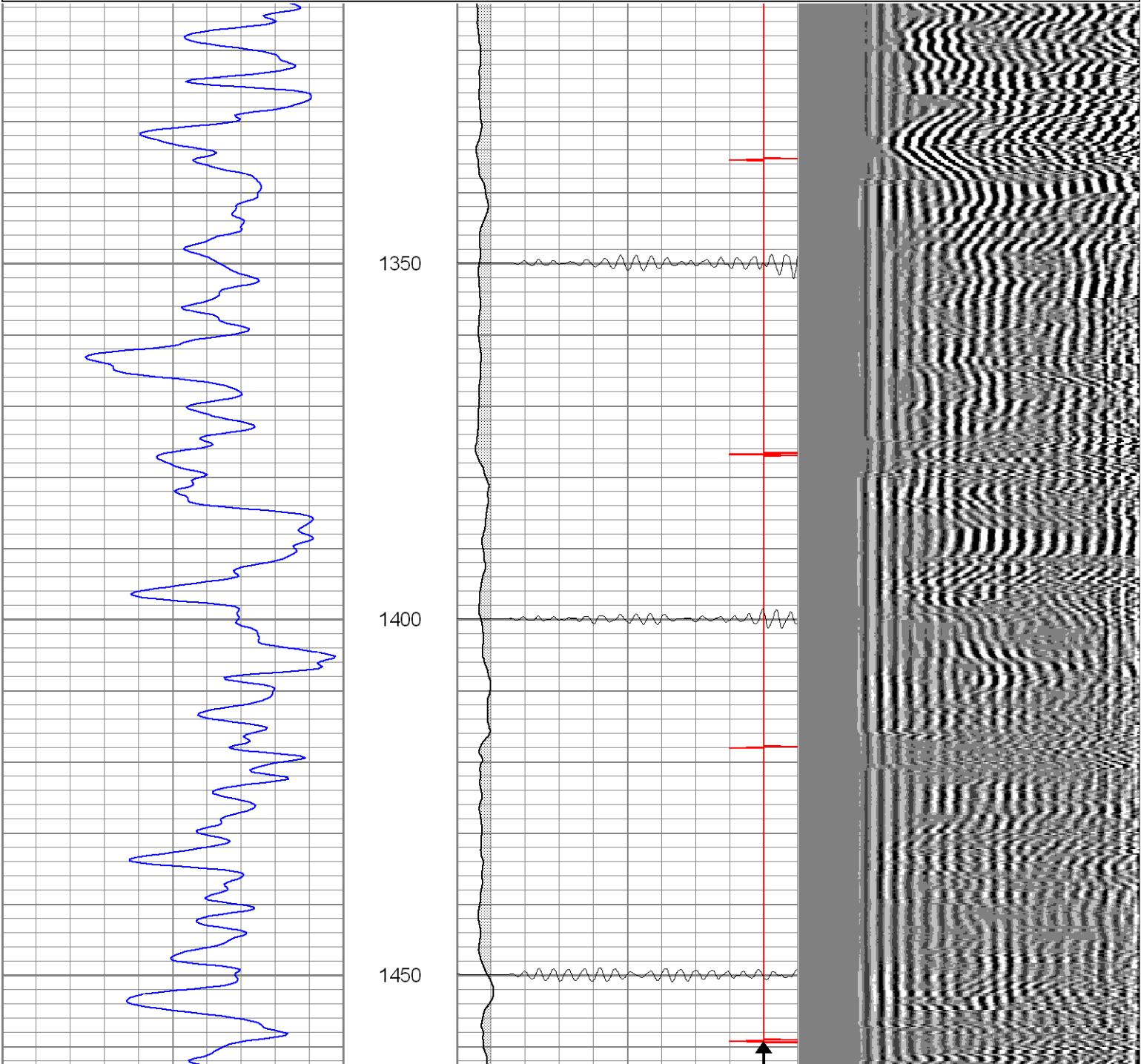
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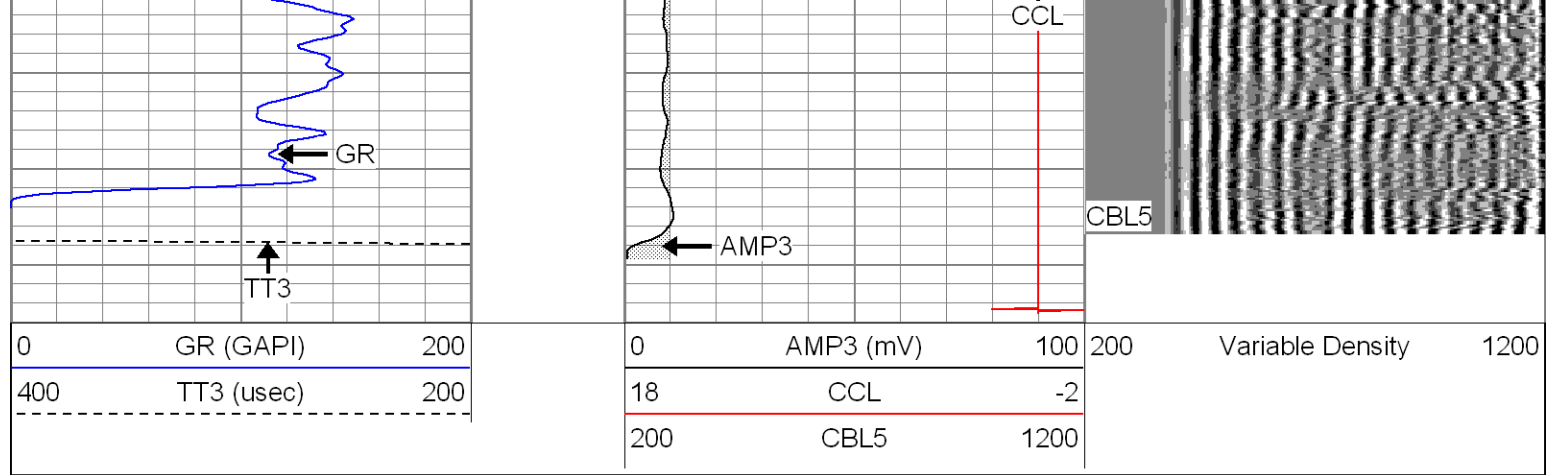
Repeat Section

Database File:
Dataset Pathname:
Presentation Format:
Dataset Creation:
Charted by:

heidsick41607b.db
pass1
cblrt
Mon Apr 16 12:31:06 2007 by Log Warrior 7.0 STD Cas
Depth in Feet scaled 1:240

0	GR (GAPI)	200	0	AMP3 (mV)	100	200	Variable Density	1200
400	TT3 (usec)	200	18	CCL	-2			
<hr/>			200	CBL5	1200			





Cement Bond Log Calibration Report

Serial Number:	Titan5		
Tool Model:	2		
Performed:	Wed Mar 28 12:28:45 2007		
Depth:	210.983	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	85	85	mV
Reading at Signal Zero:	-0.01	0.00866699	V
Reading in Free Pipe:	1.2	1.2	V
Gain:	70.2479	71.3486	
Offset:	0.702479	-0.618378	

Gamma Ray Calibration Report

Serial Number:	Titan5	
Tool Model:	T2	
Performed:	Thu Mar 08 09:00:44 2007	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.2500	GAPI/cps