



Sector Bond / Gamma Ray
CCL Log

Pioneer Energy Services

API No.

15-083-20613-001

Company Chieftain Oil Company, Inc
Well Steffen No. 1 OWWO
Field Wildcat
County Hodgeman State Kansas

Location

C - SW - NW
1980' FNL & 660' FWL

Sec: 28 Twp: 21 S Rge: 21 W

Other Services

Perforate

Elevation

K.B. 2166

D.F. 2158

G.L. 2158

Permanent Datum Ground Level Elevation 2158
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Run Number

One

Date Survey

12/19/2012

Date Cementing

11/06/2012

Type Cementing Operation

Primary

Depth Driller

4499

Depth Logger

4452

Logged Interval

4451 to 3350

1655 to 0

Casing Driller

5.5 @ TD

@ 1594

Float Collar -- D.V. Tool

1594

Squeeze Depth

1594

Amount & Type Cement

1594

Amount & Type Admix

1594

Type Fluid In Hole

Water

Fluid Level

Full

Salinity PPM CL

1594

Weight lb/gal -- Vis.

1594

Approx. Logged Cement Top

3540

Calculated Cement Top

1594

Max. Hole Temperature

1594

Tool No.

RBT 1-1

Spacing Recorded

3-5

Equipment -- Location

5 Pratt

Recorded By

J. Smith

Witnessed By

R. Moltz

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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 Pioneer Energy Services
(620) 672-8300
Burdett Kansas 6.7 West to Gray Elavator (NE 232 Rd.)
North 2.5 Miles,
East Into.



D.V. Tool @ 1594

Database File:

chieftain-steffen-no-1-owwo.db

Dataset Pathname:

grscbl/pass4

Presentation Format:

scbl

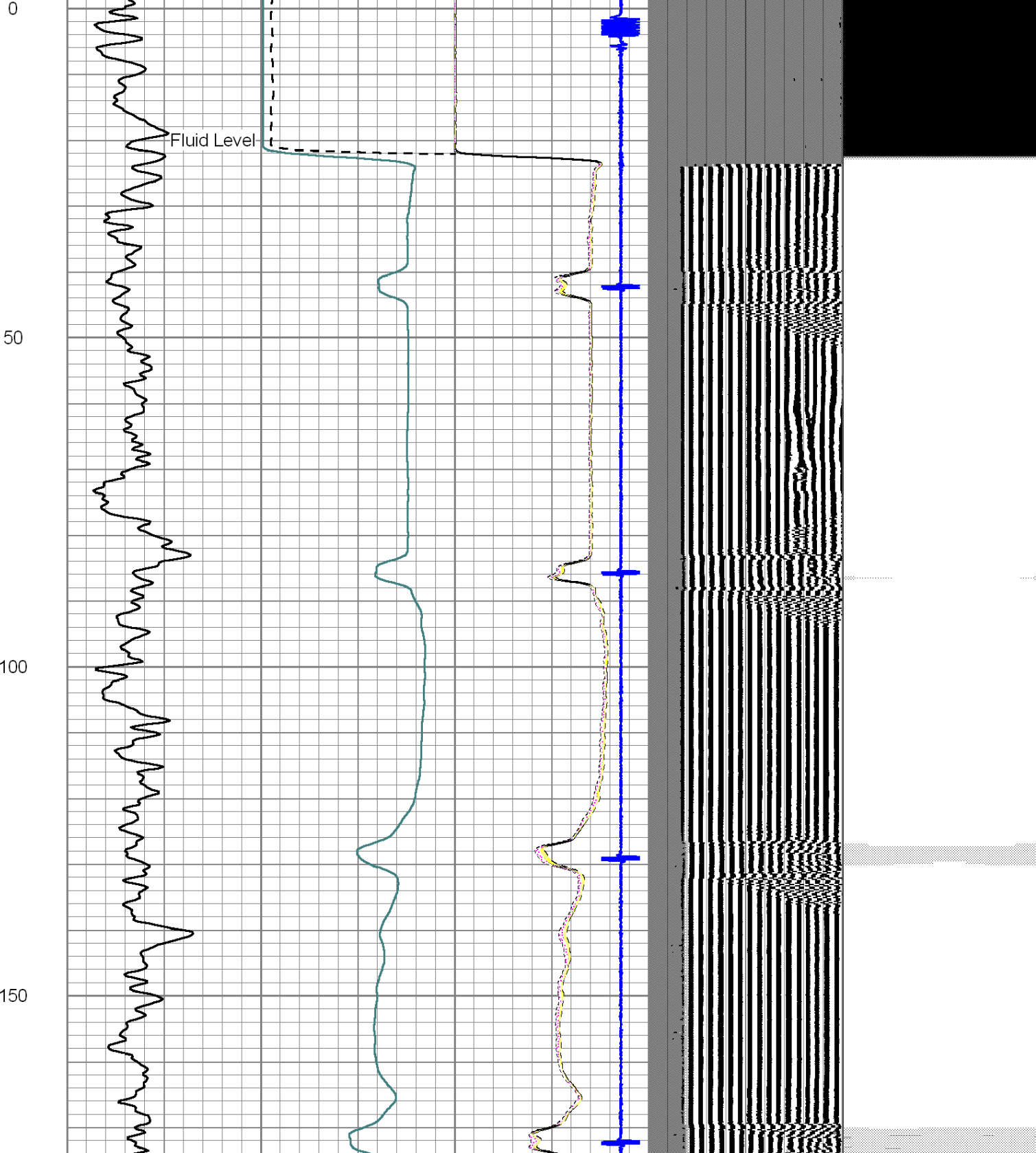
Dataset Creation:

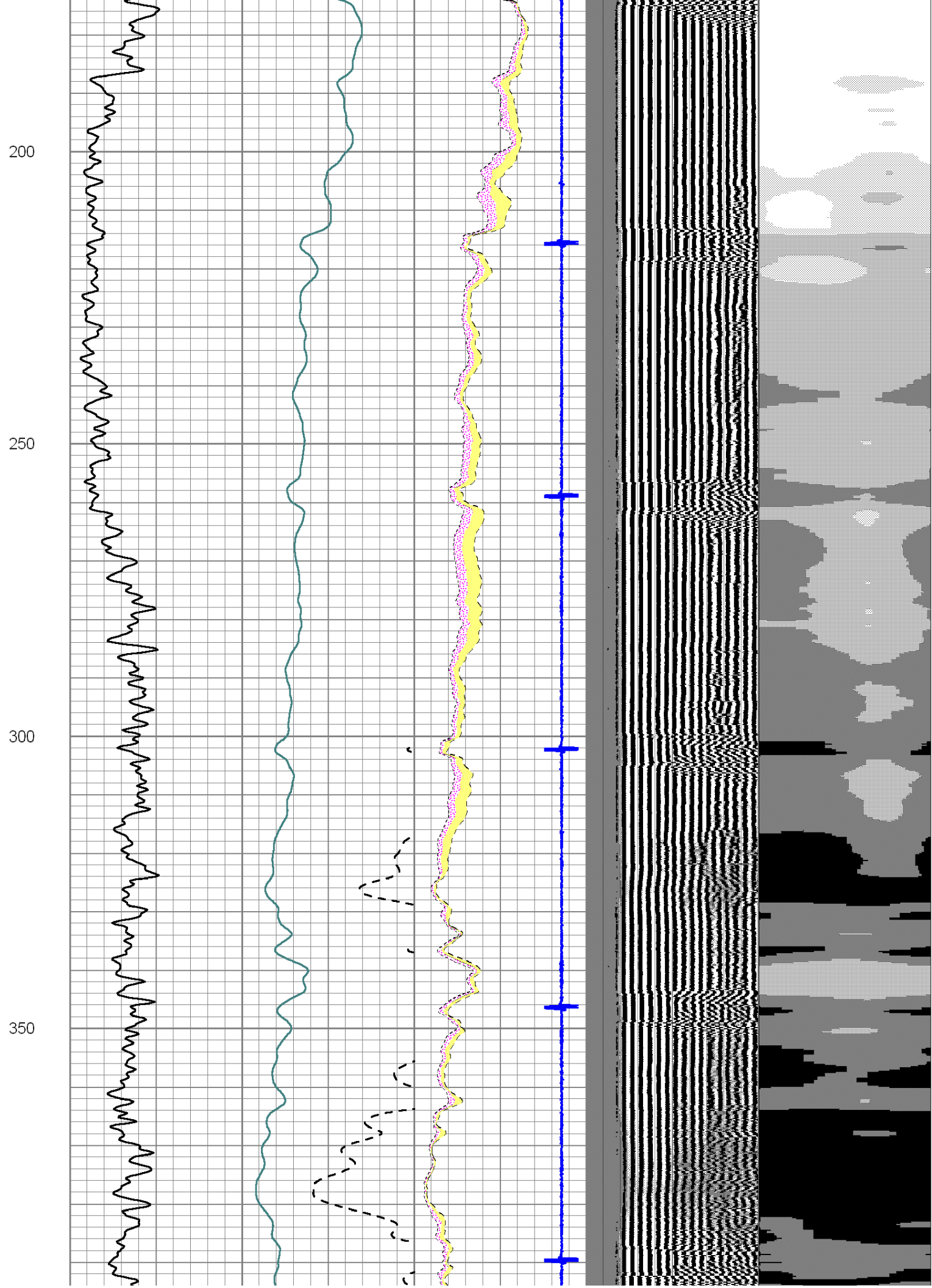
Wed Dec 19 09:02:44 2012 by Log SCH 110630

Charted by:

Depth in Feet scaled 1:240

0	Gamma Ray	150	0	Amplitude (mV)	100	0	AMPAVG	150	200	VDL	1200	1	Sector Map	8
150	GR	300	Amplified Amplitude	0	AMPMAX	150						25		75
			0	(mV)	20	0	AMPMIN	150						
						18	CCL	-3						





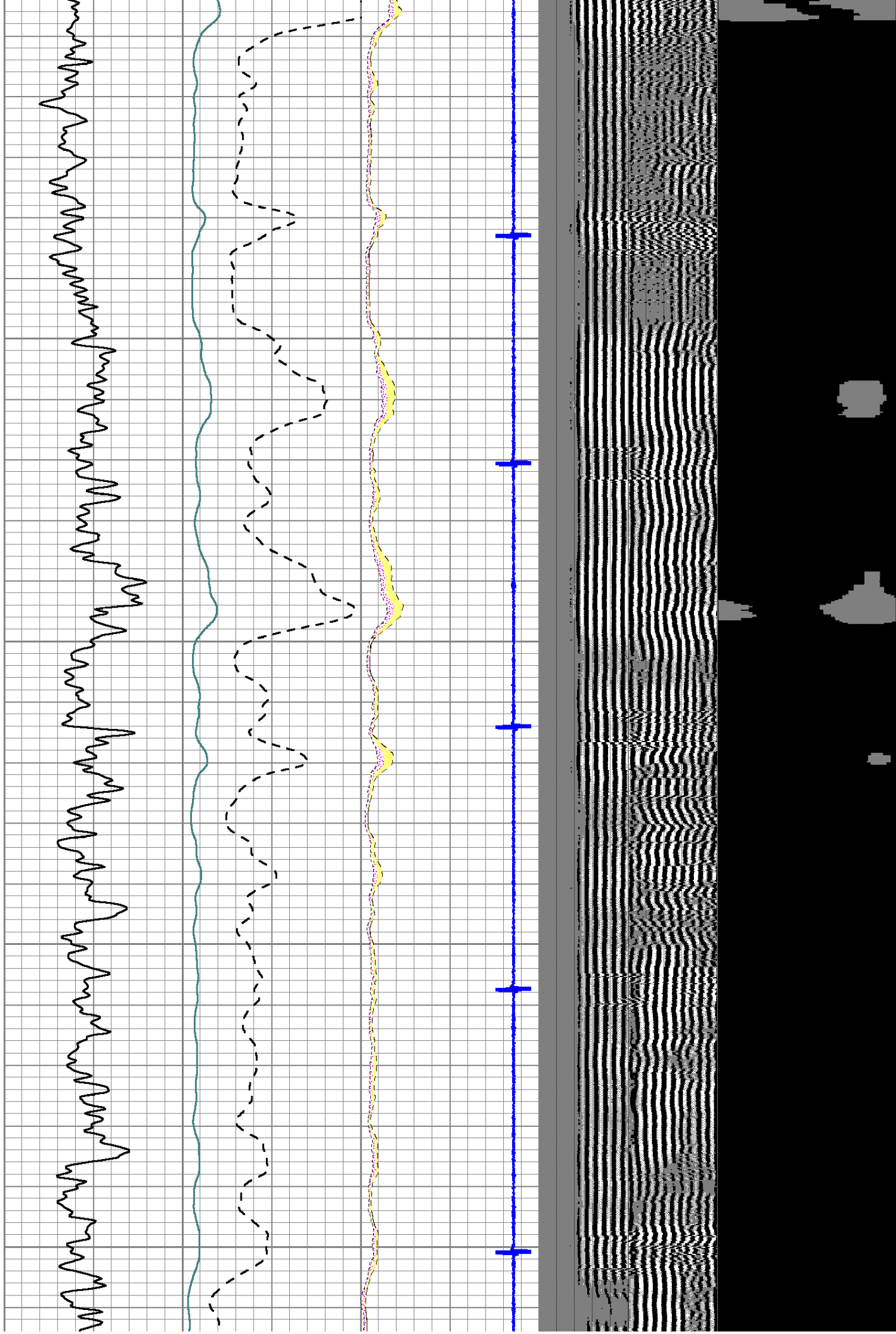
400

450

500

550

600

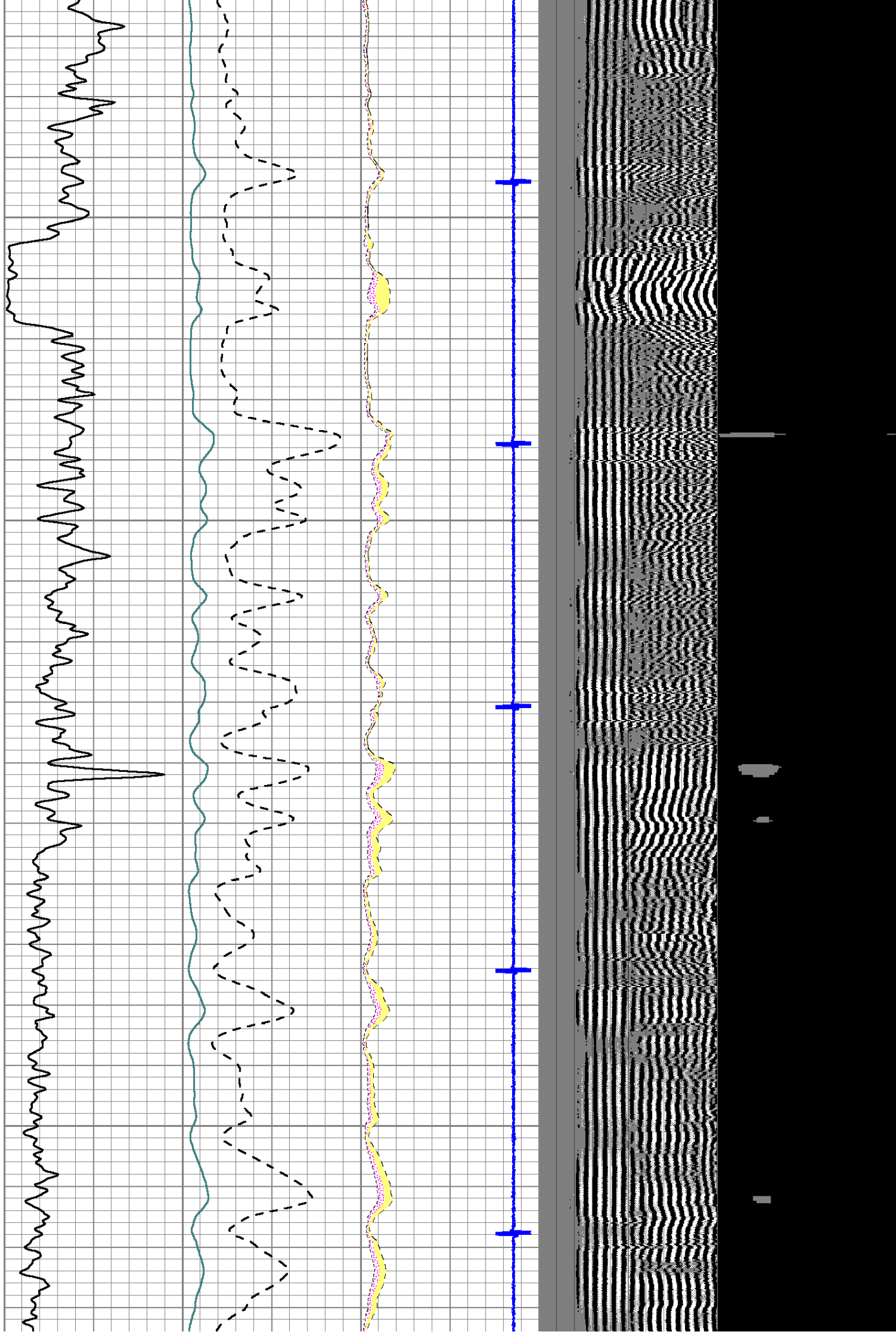


650

700

750

800



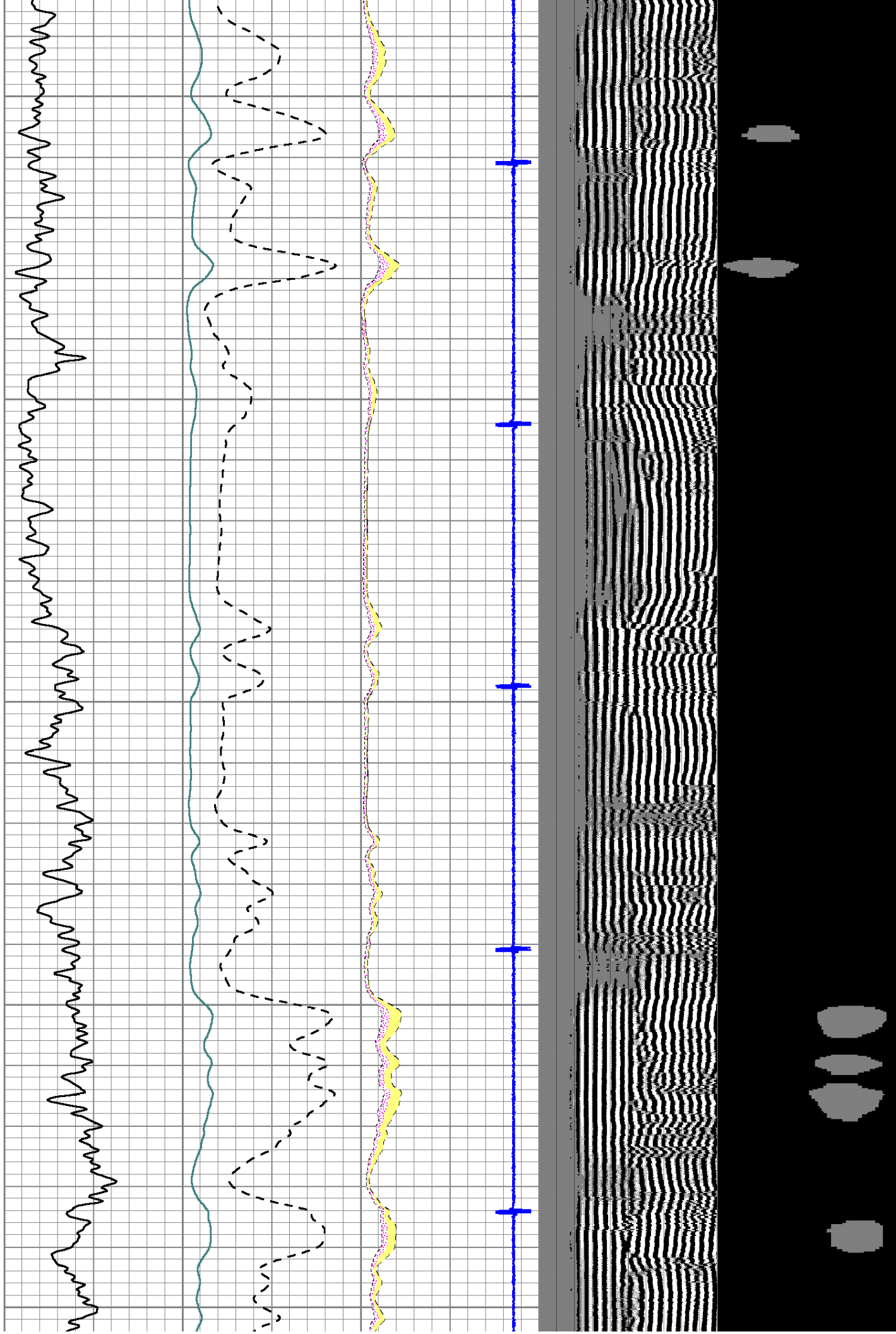
850

900

950

1000

1050

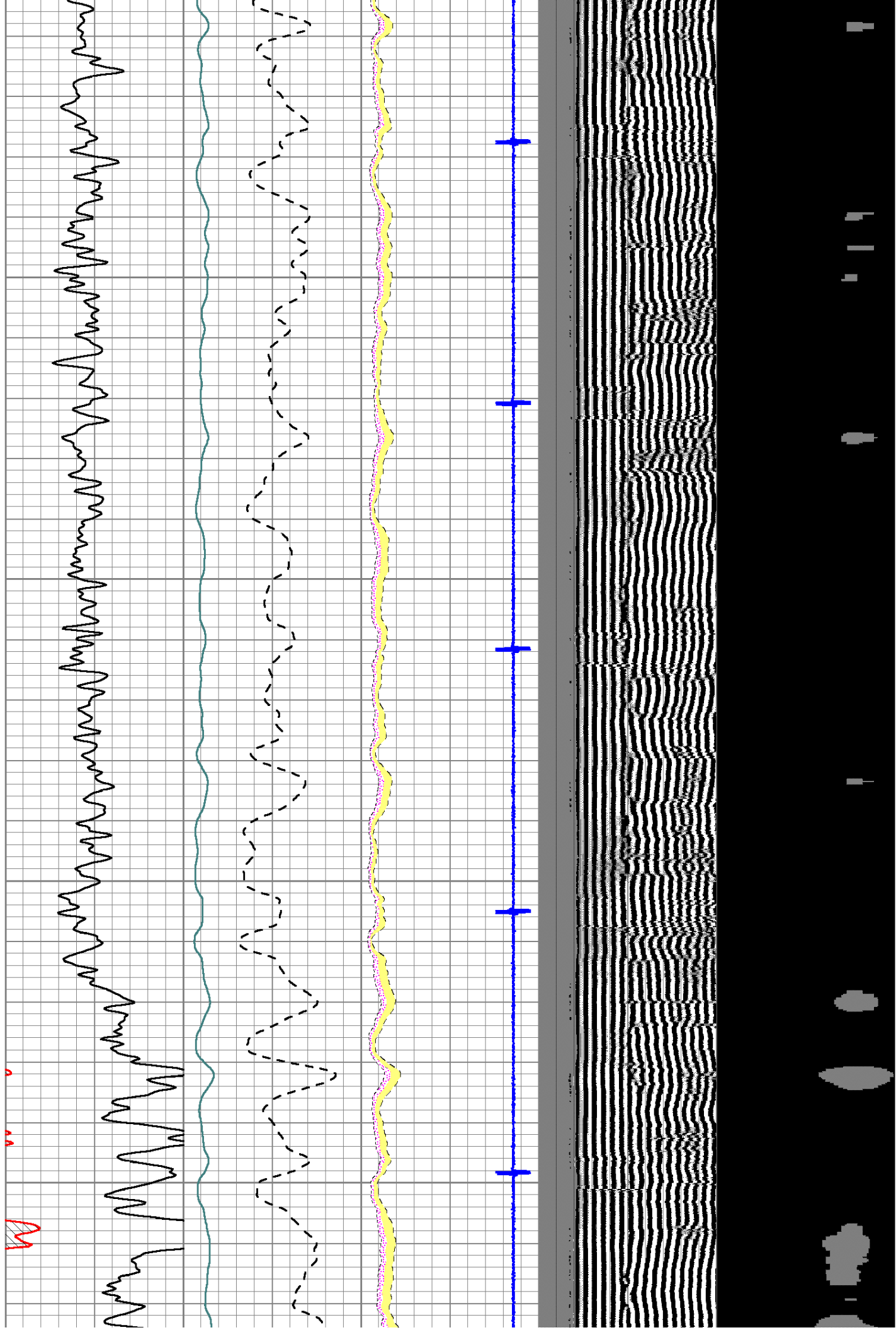


1100

1150

1200

1250

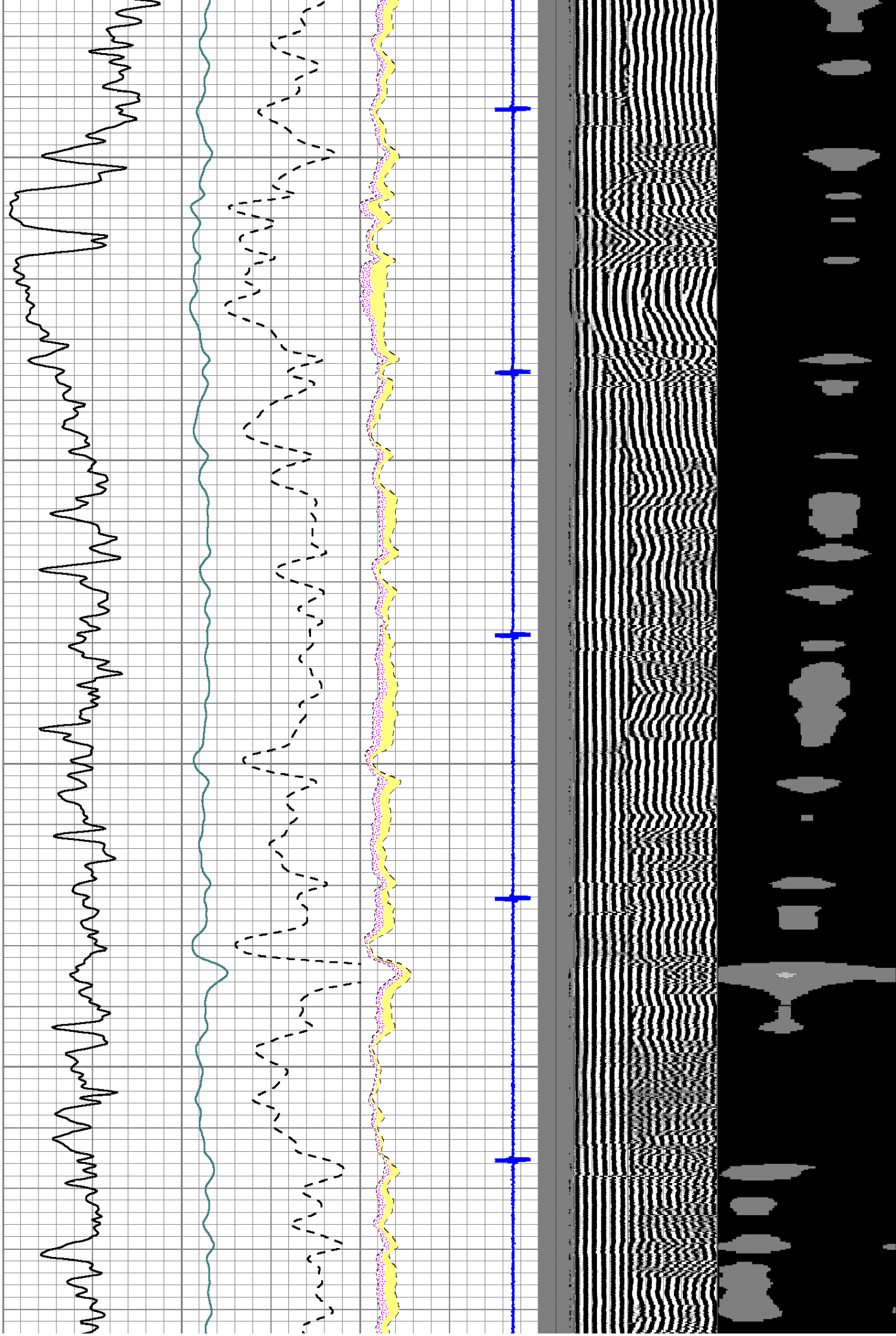


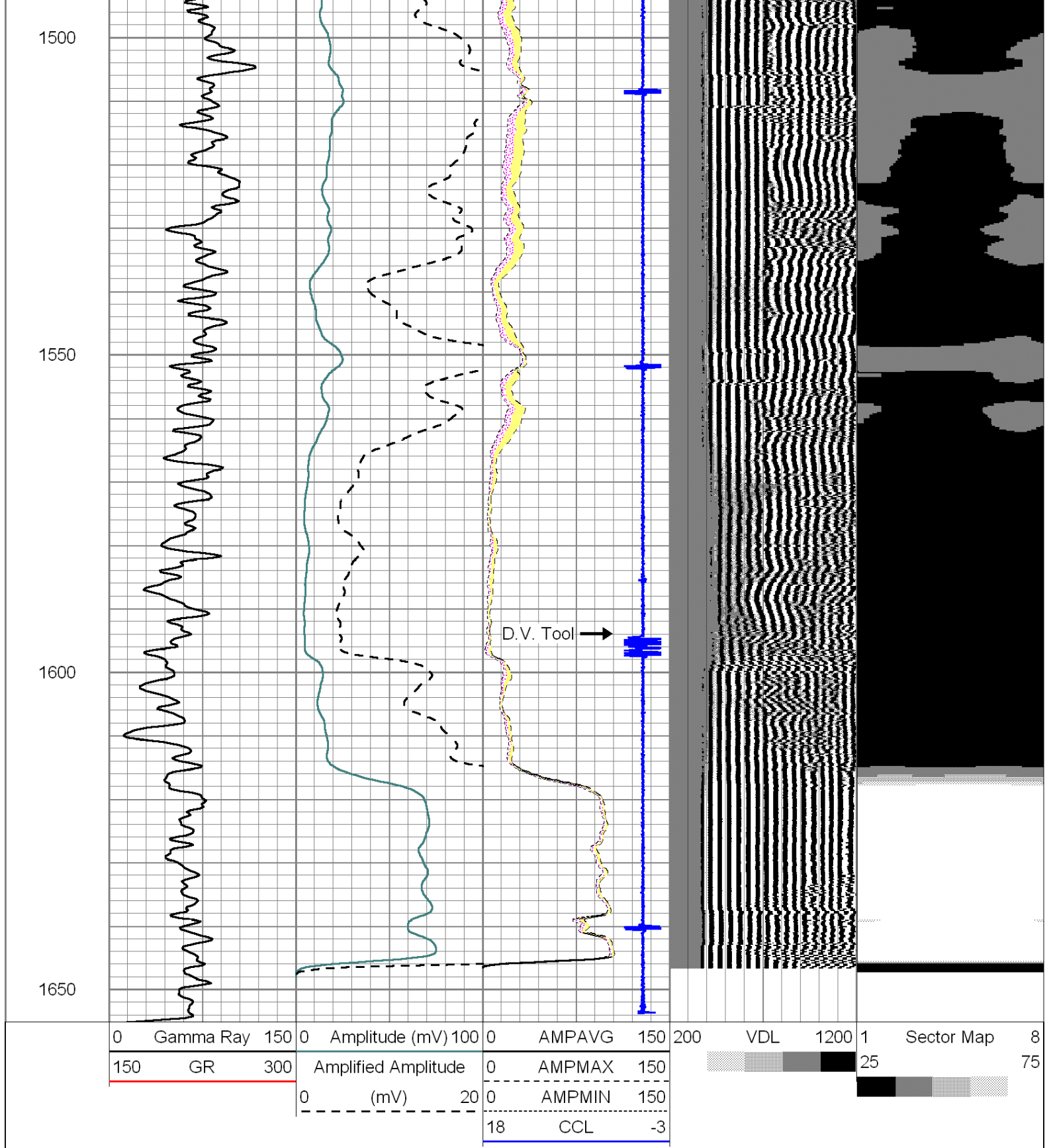
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1350

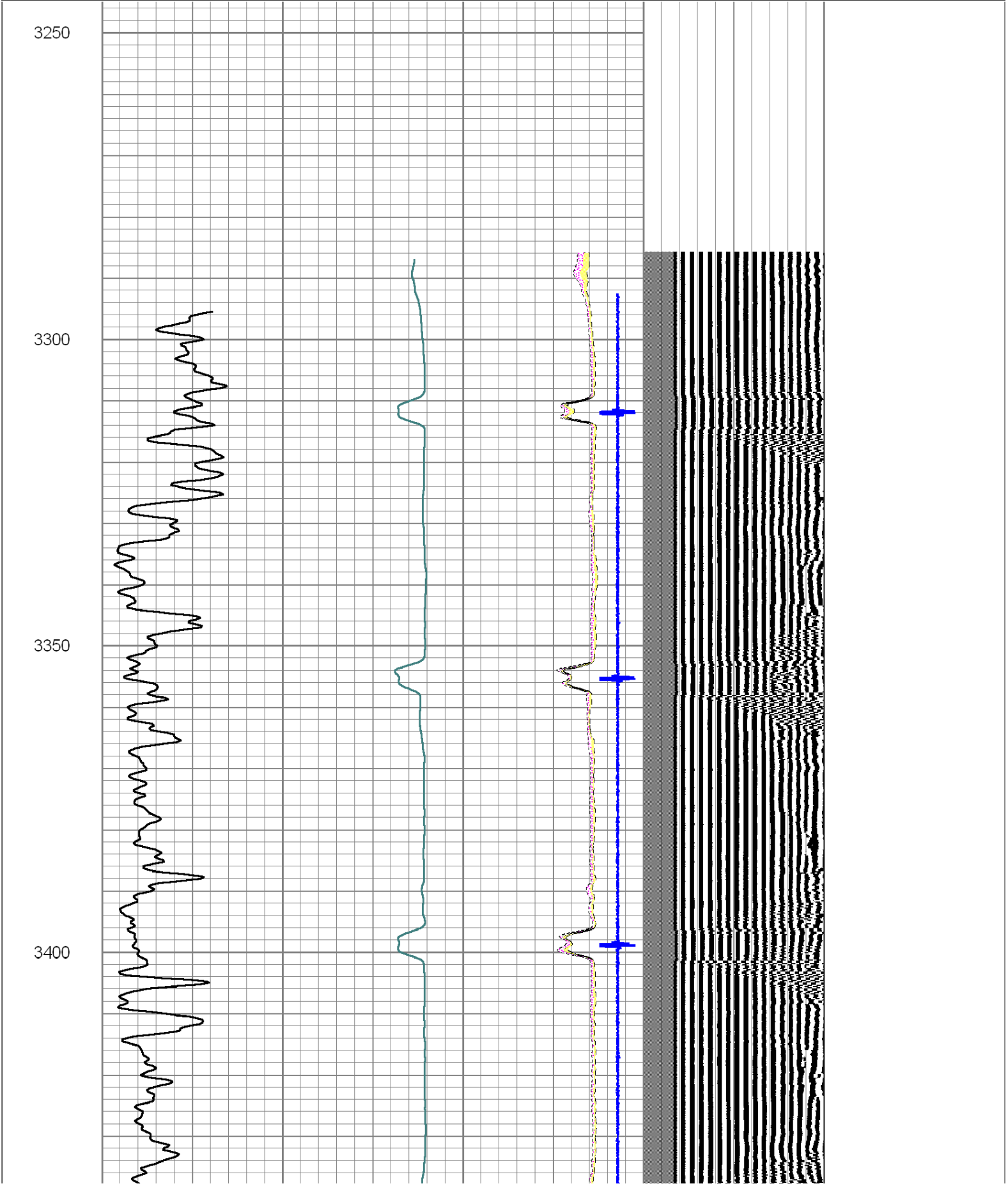
1400

1450





	0	Gamma Ray	150	0	Amplitude (mV)	100	0	AMPAVG	150	200	VDL	1200	1	Sector Map	8
	150	GR	300	Amplified Amplitude	0	AMPMAX	150						25		75
				0 (mV)	20	0	AMPMIN	150							
						18	CCL	-3							



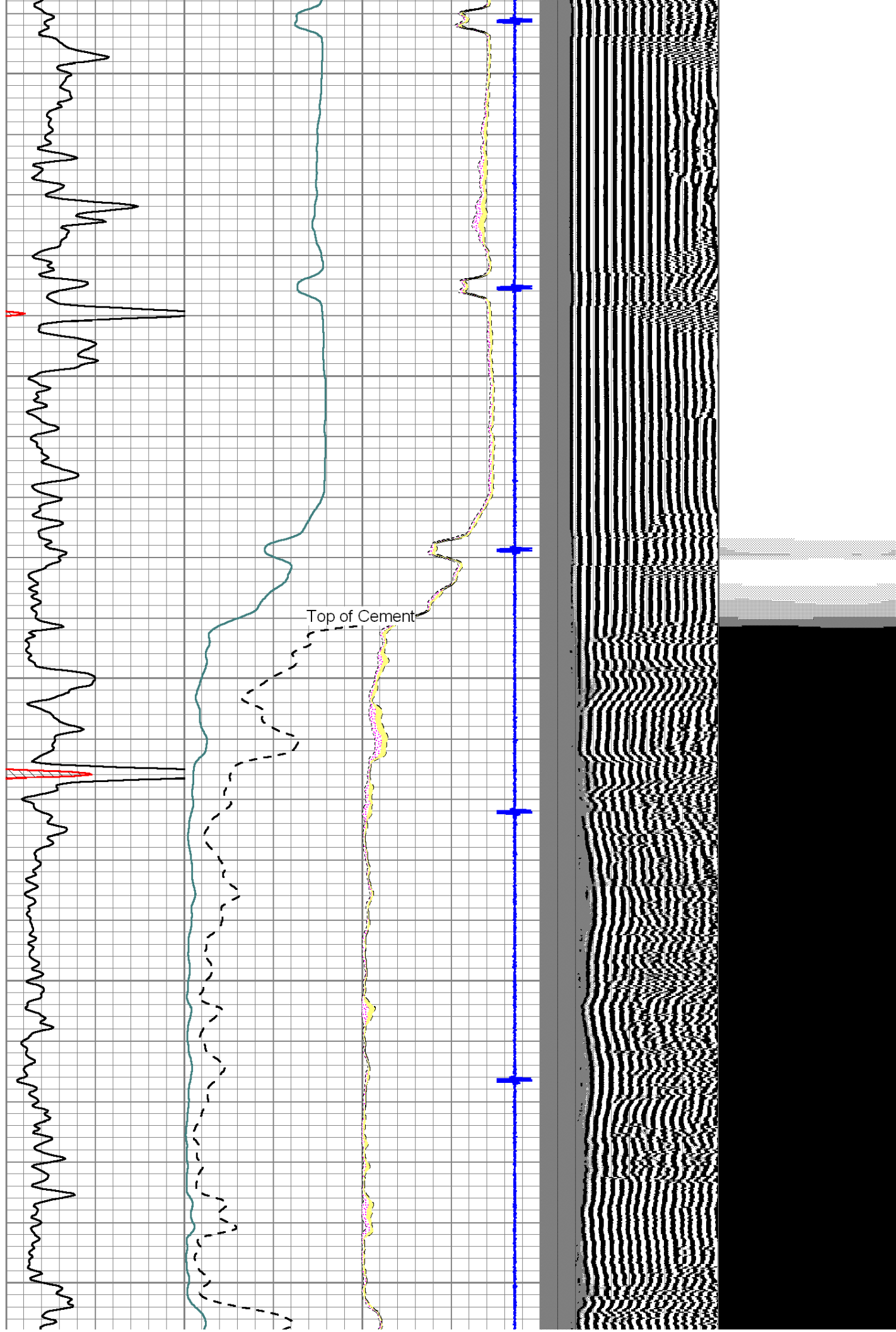
3450

3500

3550

3600

3650

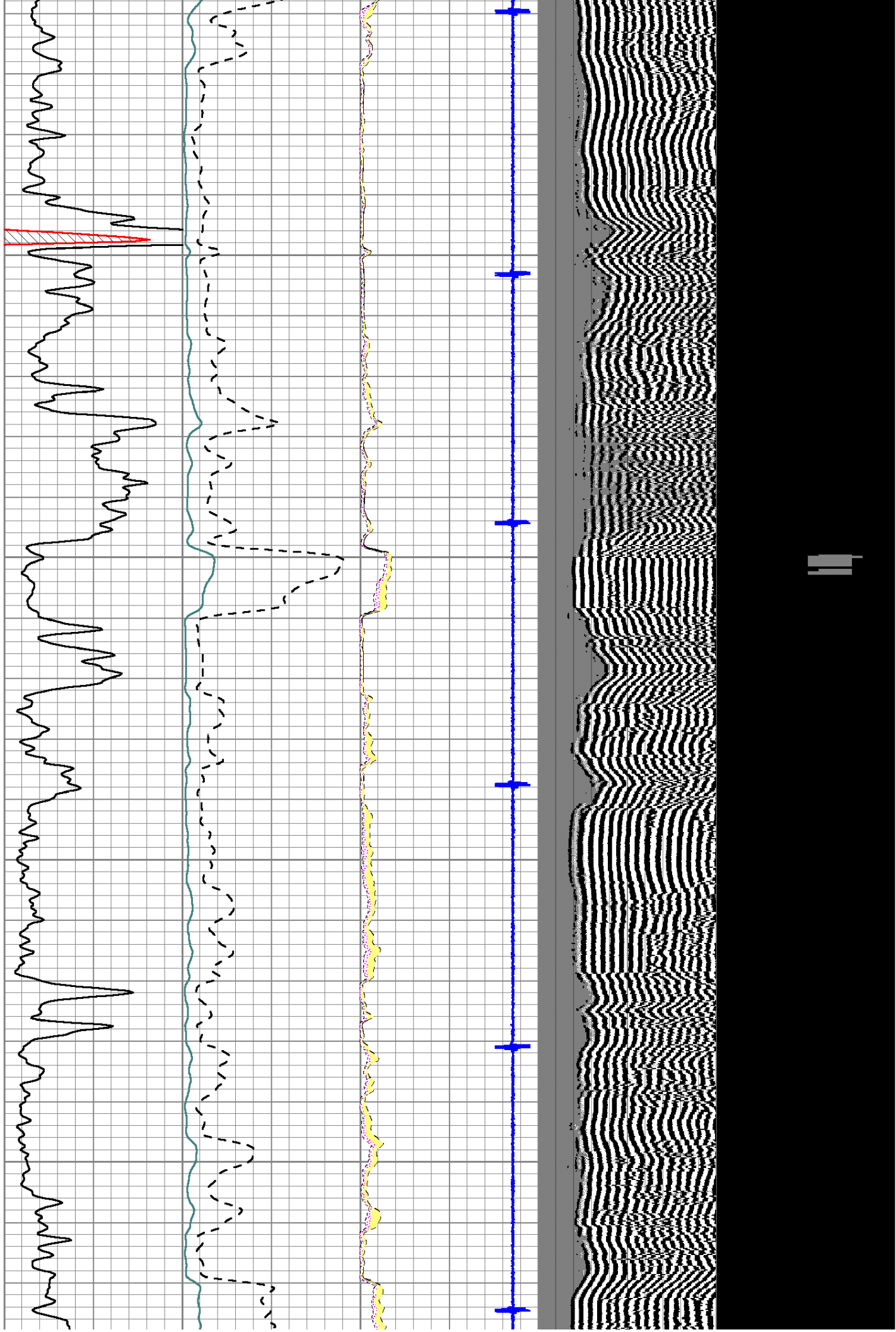


3700

3750

3800

3850

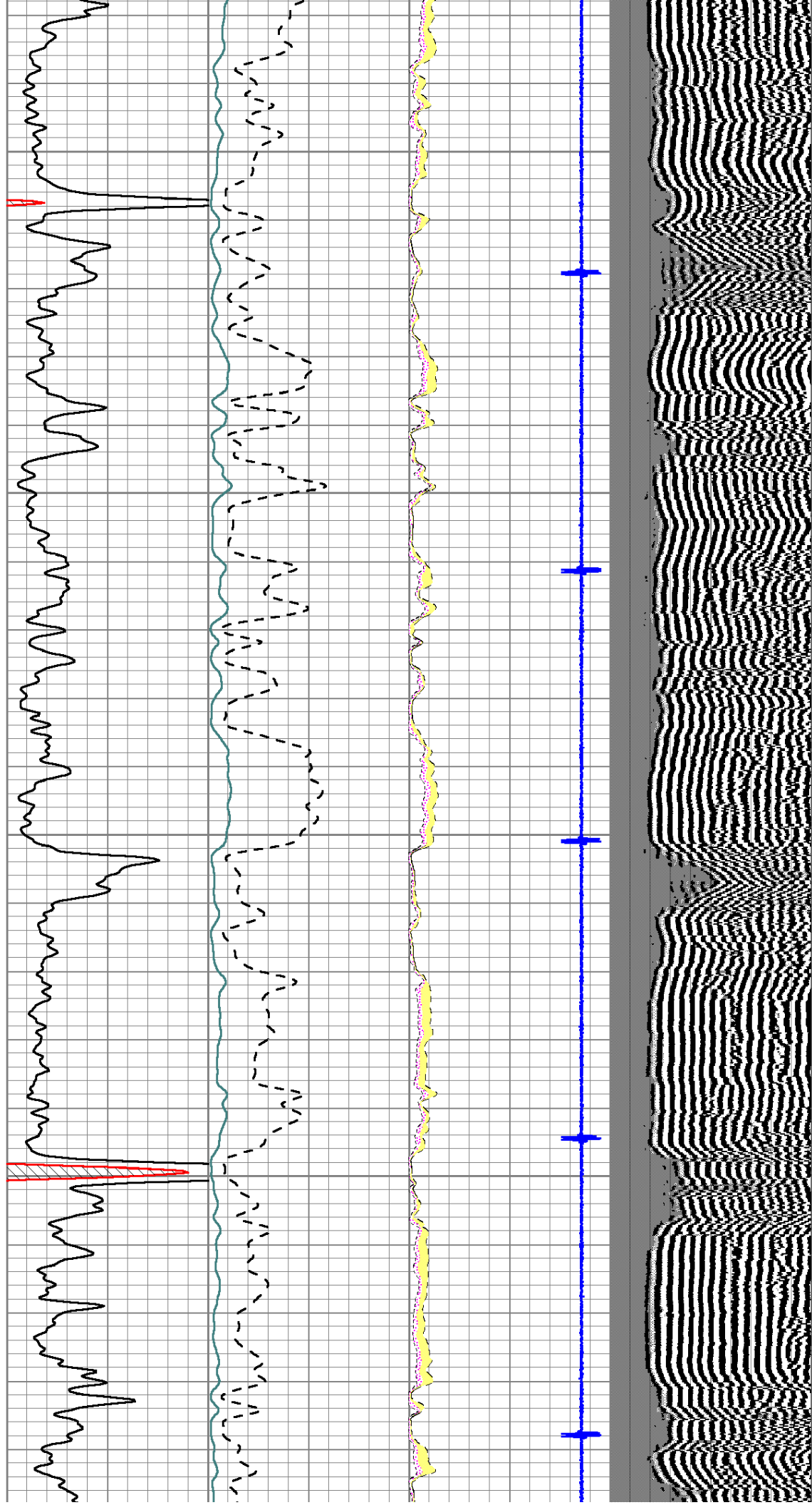


3900

3950

4000

4050



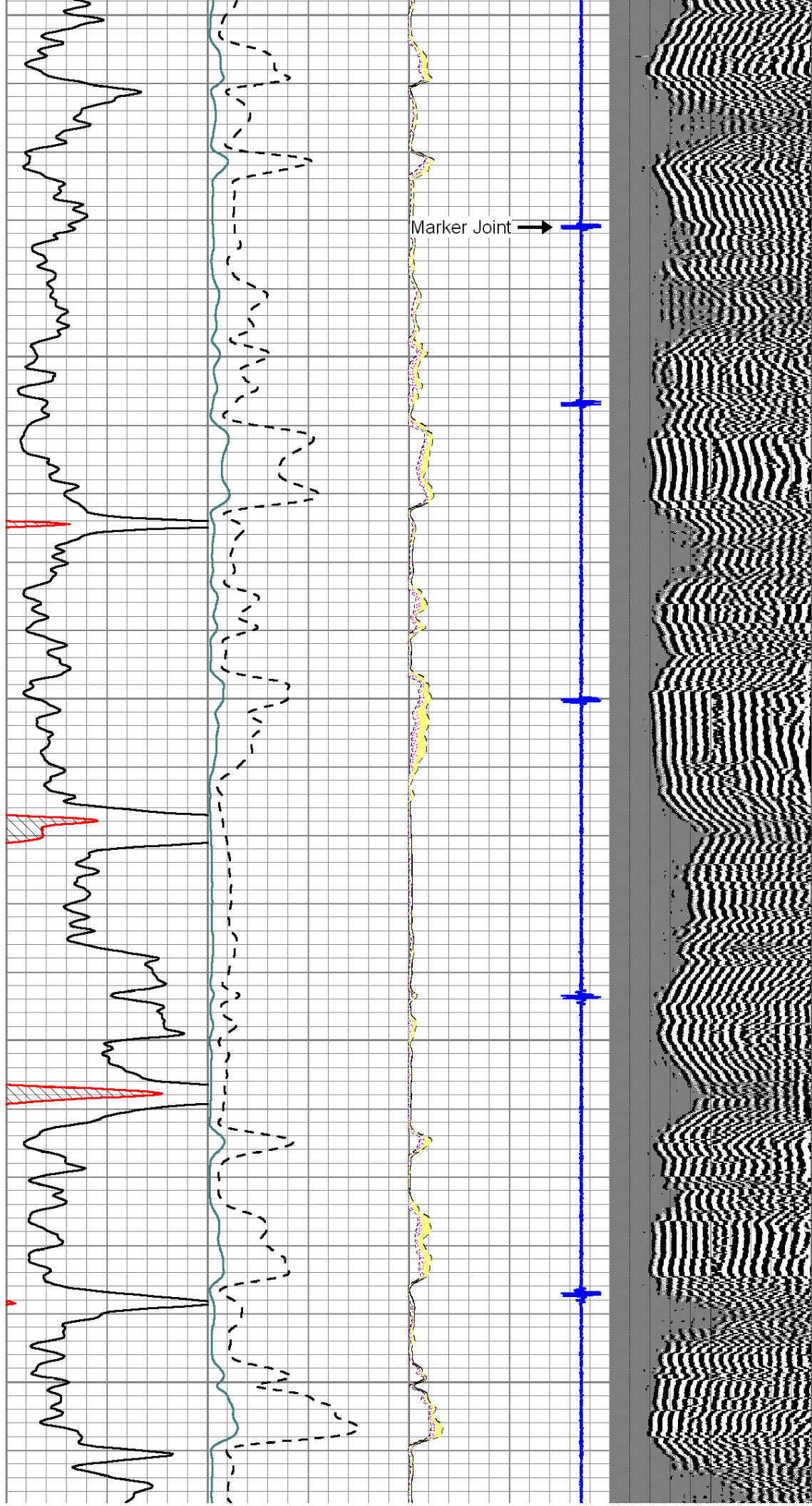
4100

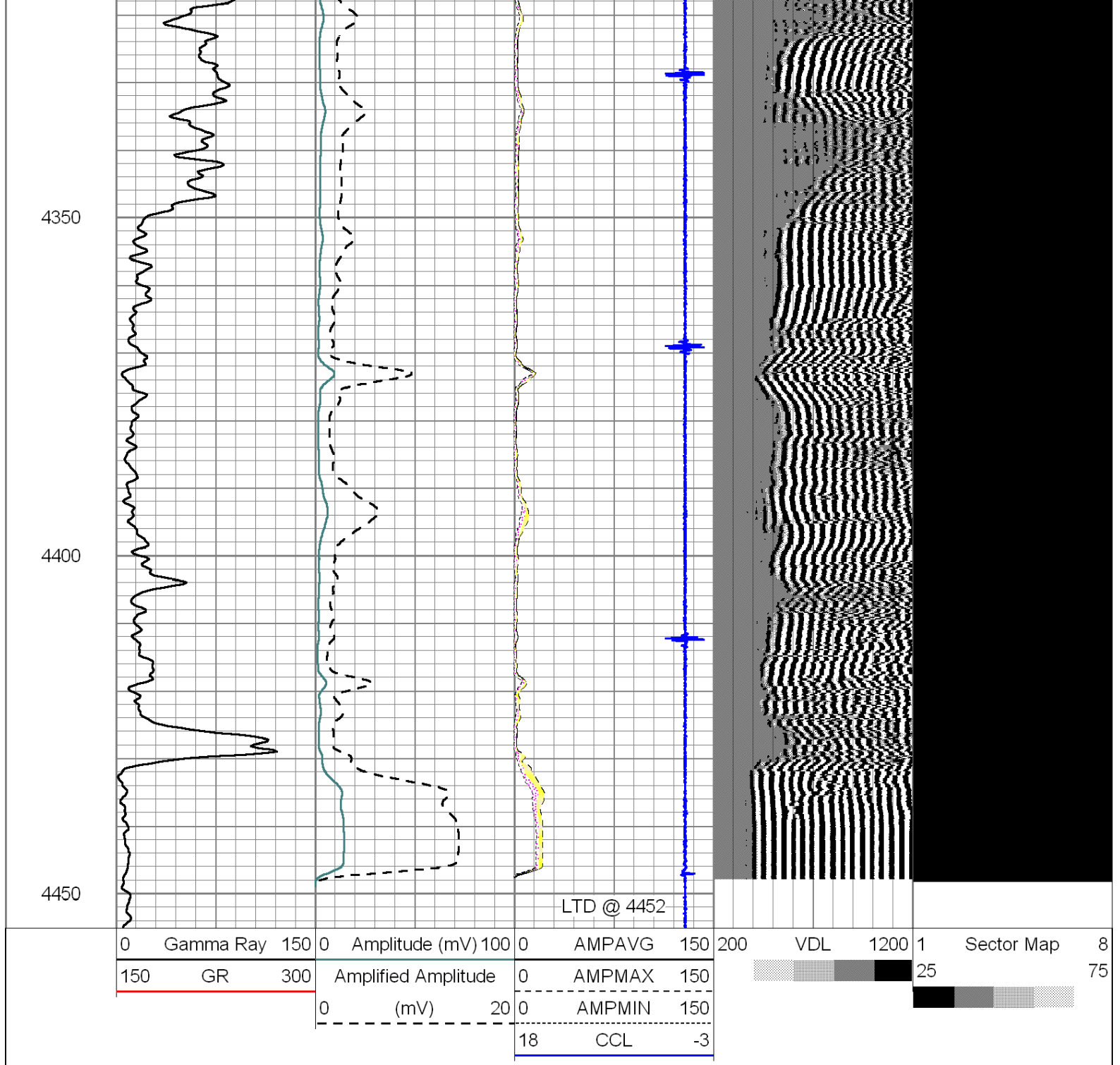
4150

4200

4250

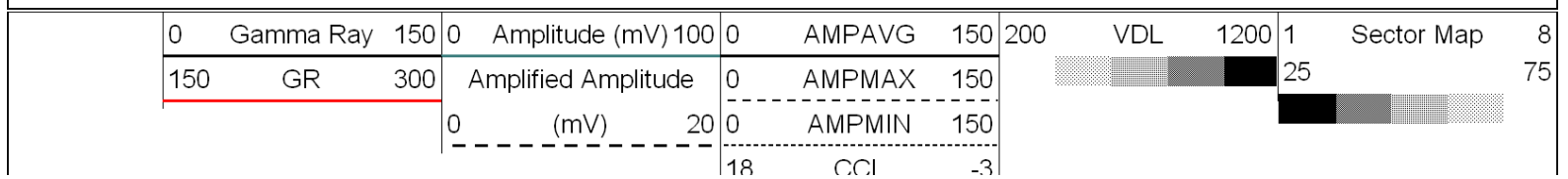
4300





Repeat Section

Database File: chieftain-steffen-no-1-owwo.db
Dataset Pathname: grscbl/pass2
Presentation Format: scbl
Dataset Creation: Wed Dec 19 08:23:22 2012 by Log SCH 110630
Charted by: Depth in Feet scaled 1:240



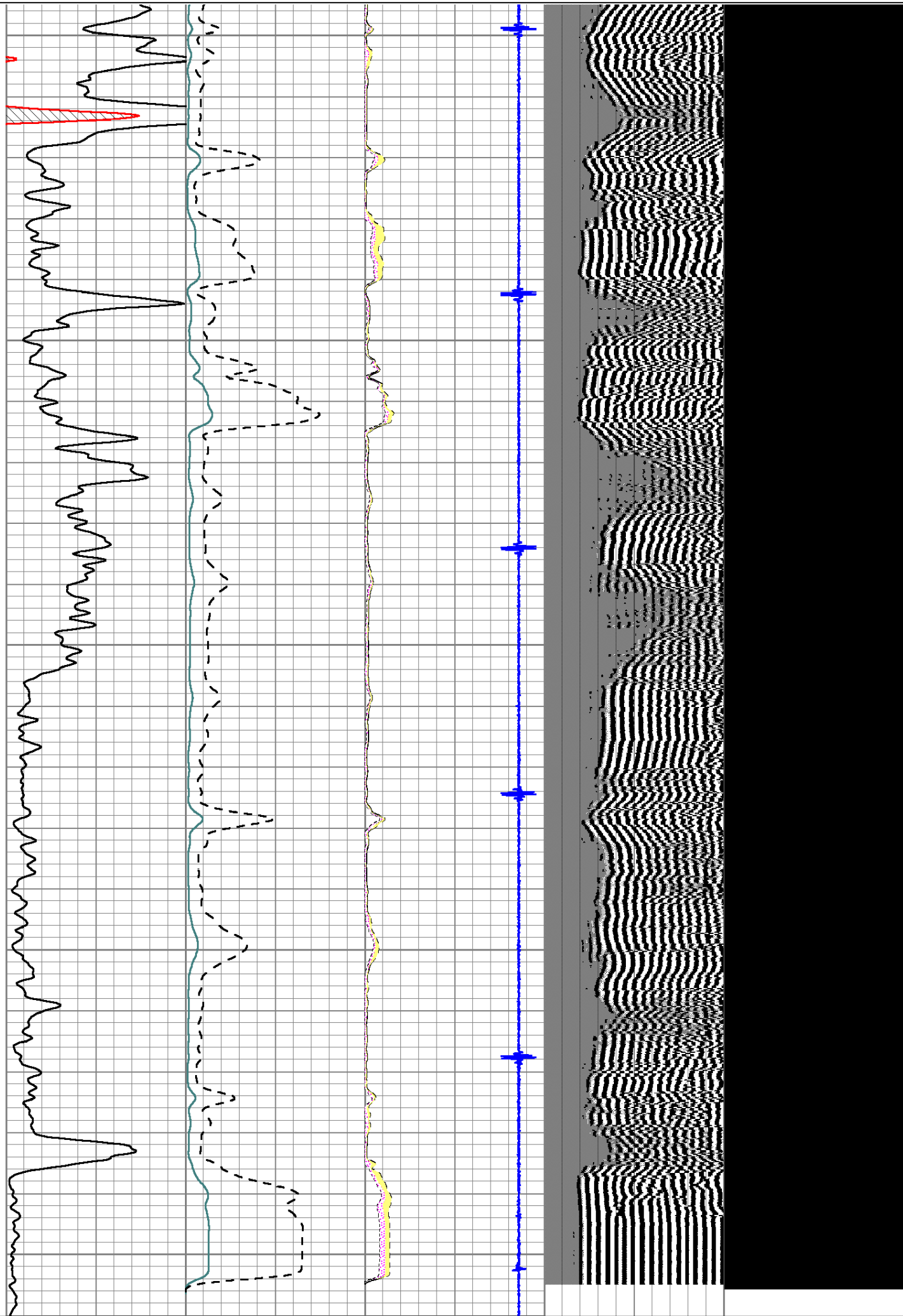
4250

4300

4350

4400

4450



0	Gamma Ray	150	0	Amplitude (mV)	100	0	AMPAVG	150	200	VDL	1200	1	Sector Map	8
150	GR	300	Amplified Amplitude	0	-----	0	AMPMAX	150				25		75
			0	(mV)	20	0	AMPMIN	150						
			-----			18	CCL	-3						