



PIONEER

Pioneer Energy Services

Sector Bond / Gamma Ray
CCL Log

API No.

15-065-23856-00-00

Company Spiral Energy Corp. LLC.

Well Desair No. 1

Field Cooper

County Graham

State Kansas

Location

660' FSL & 2310' FEL

Other Services

Perforate

Sec: 34

Twp: 9S

Rge: 21W

Elevation

Permanent Datum Ground Level Elevation 2310
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2318
D.F. 2310
G.L. 2310

Run Number

One

Date Survey

10/02/2012

Date Cementing

9/26/2012

Type Cementing Operation

Primary

Depth Driller

3919

Depth Logger

3904

Logged Interval

3903 to 2900

Casing Driller

5.5 @ T.D.

Float Collar -- D.V. Tool

1767

Squeeze Depth

1767

Amount & Type Cement

1767

Amount & Type Admix

1767

Type Fluid In Hole

Water

Fluid Level

550

Salinity PPM CL

1767

Weight lb/gal -- Vis.

1767

Approx. Logged Cement Top

3060

Calculated Cement Top

115

Max. Hole Temperature

RBT 4-5

Tool No.

3-5

Spacing Recorded

14

Equipment -- Location

David Walker

Recorded By

Danny Roberts

Witnessed By

<<< Fold Here >>>

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

☐☐ 785.625.3858

Palco KS, South to Y Rd.

4 1/2 West

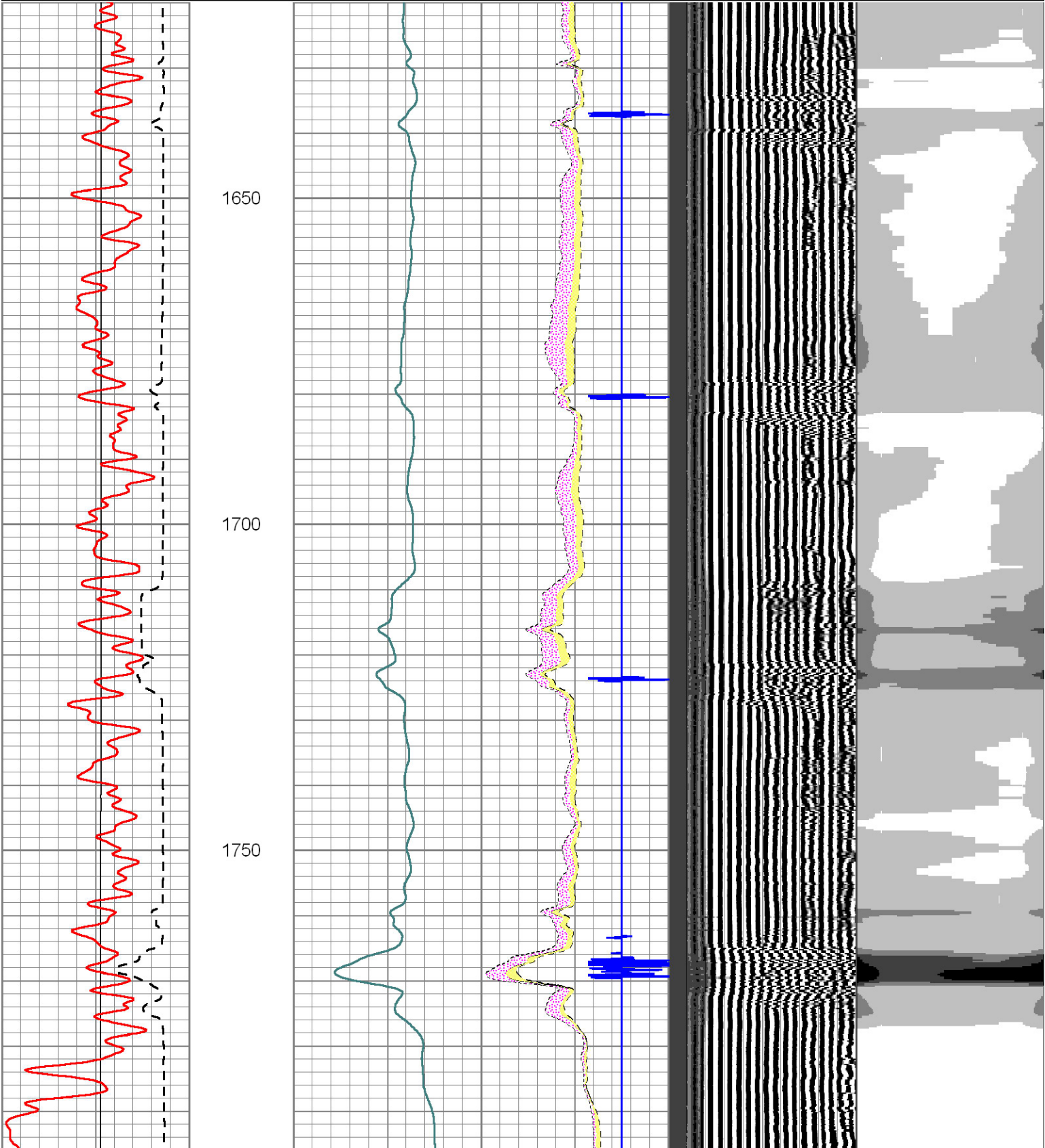
North Into

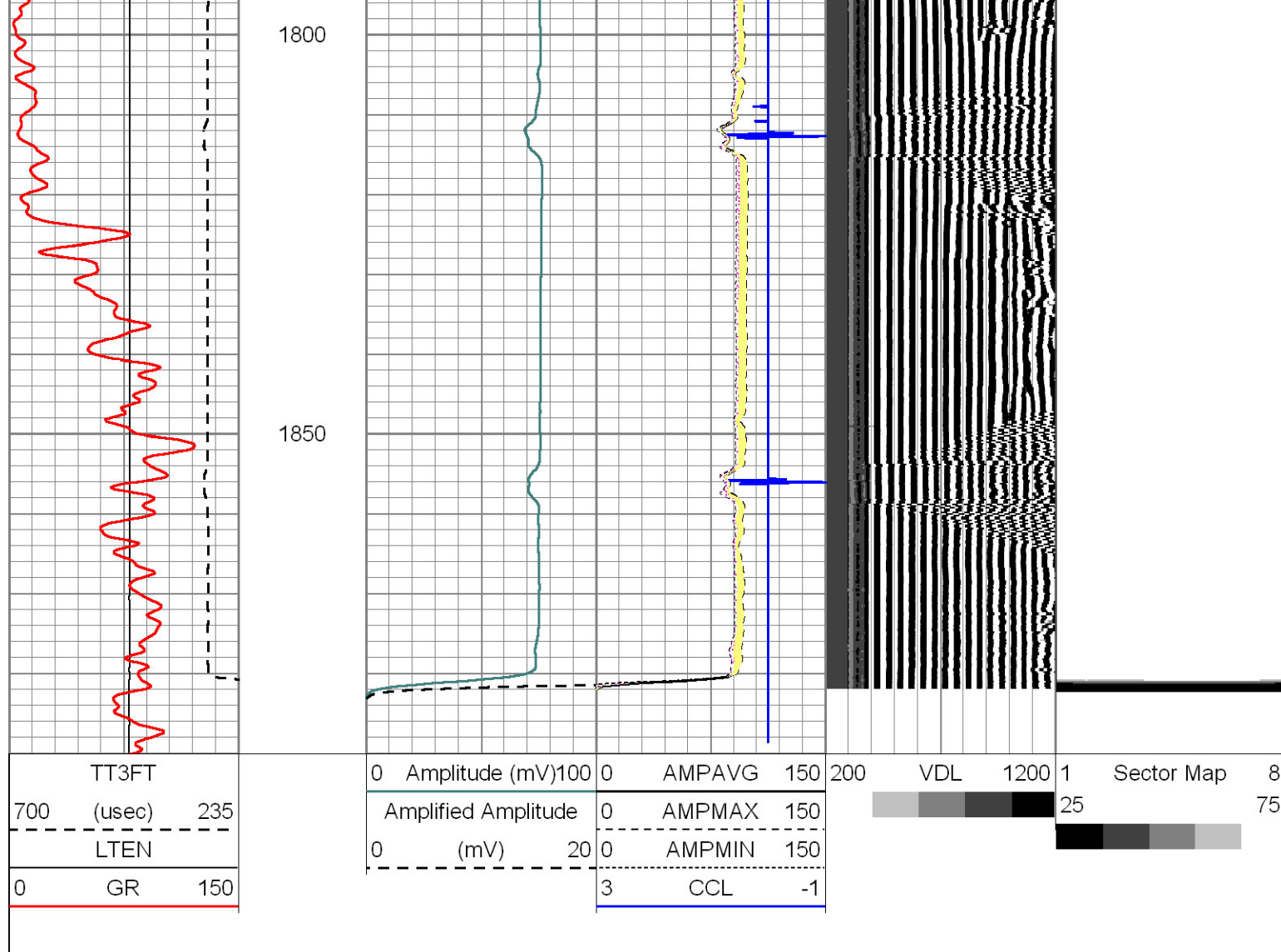


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D.V.Tool @ 1767

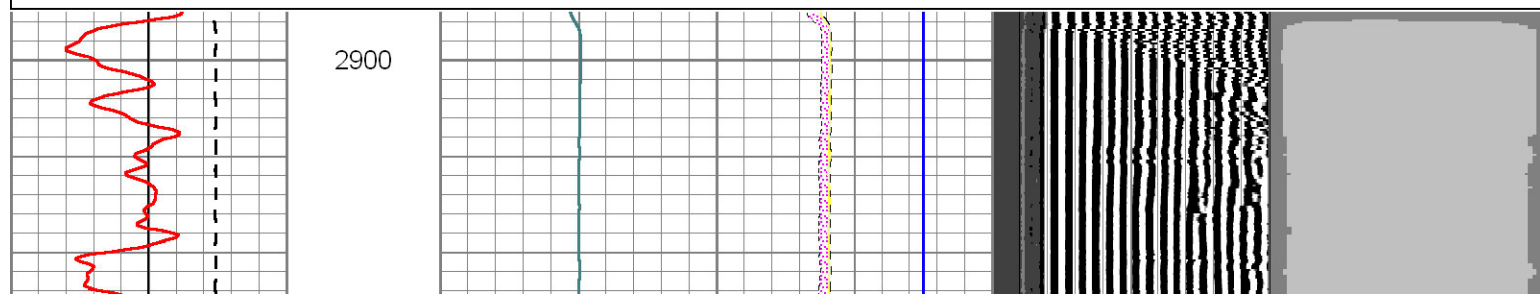
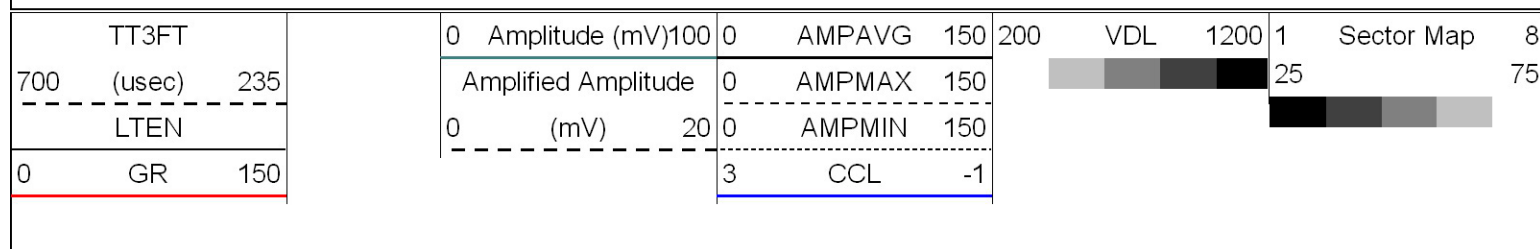
TT3FT	0	Amplitude (mV)100	0	AMPAVG	150	200	VDL	1200	1	Sector Map	8
700 (usec) 235		Amplified Amplitude	0	AMPMAX	150				25		75
LTEN	0	(mV) 20	0	AMPMIN	150						
0 GR 150			3	CCL	-1						

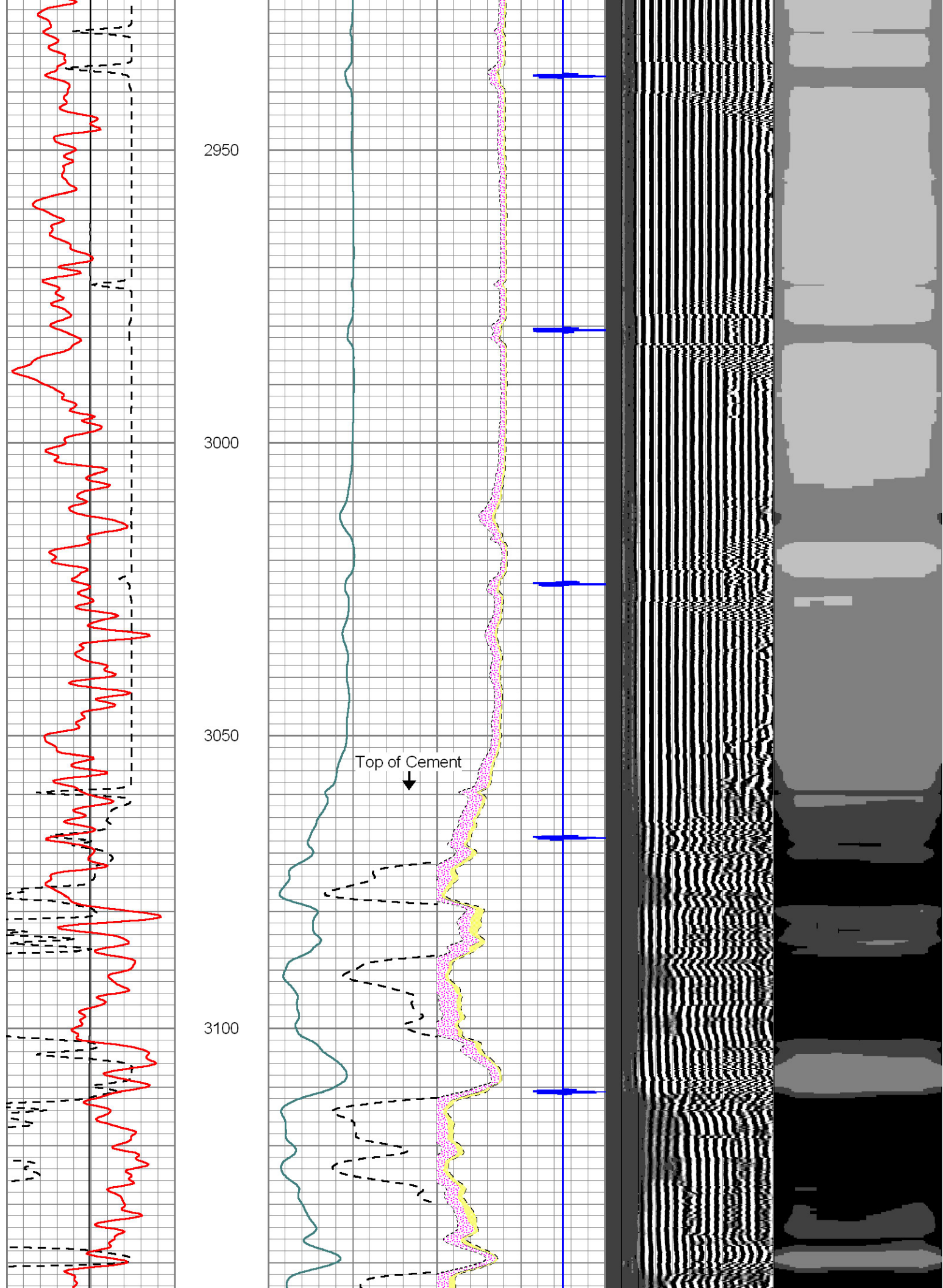


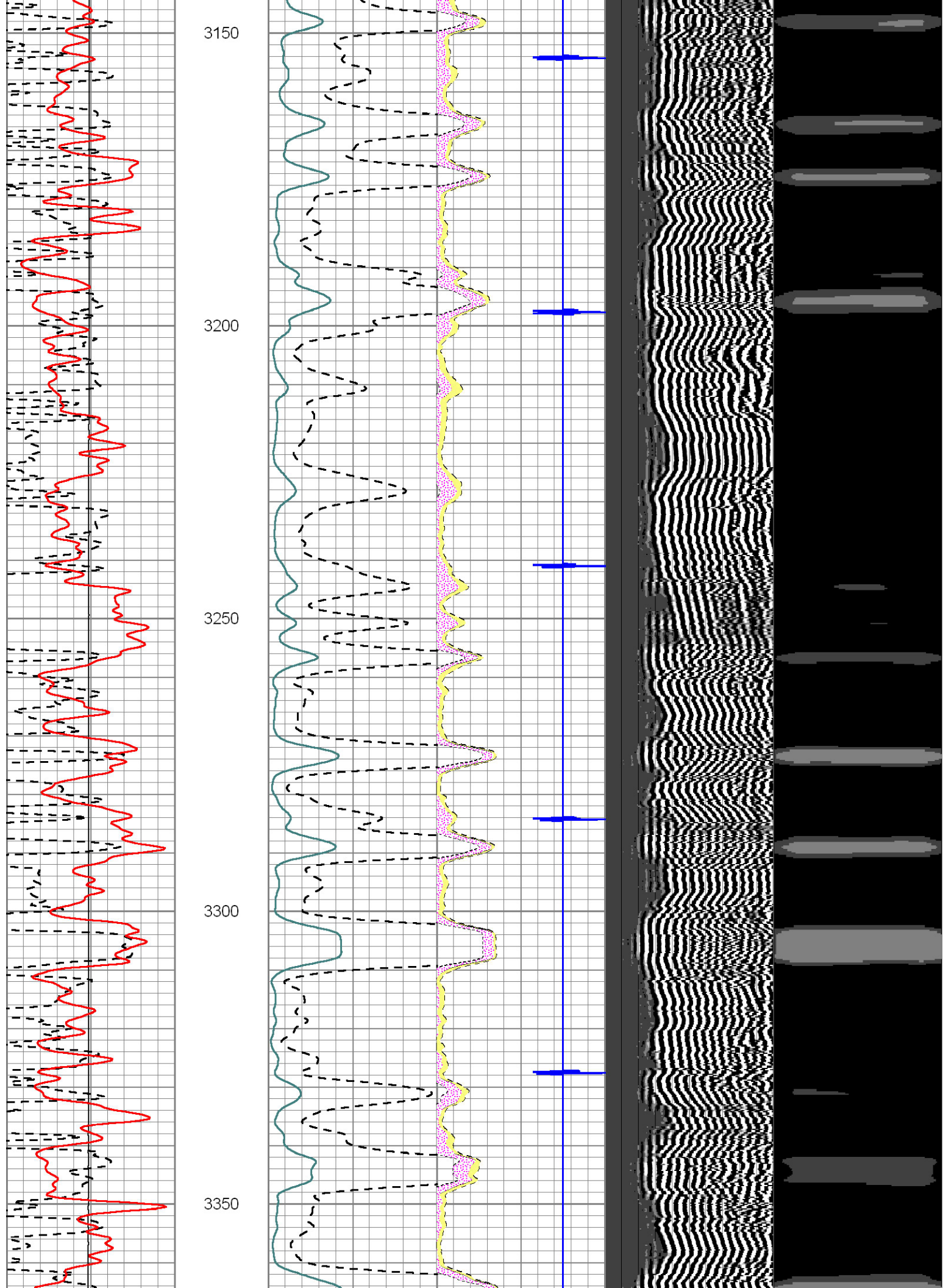


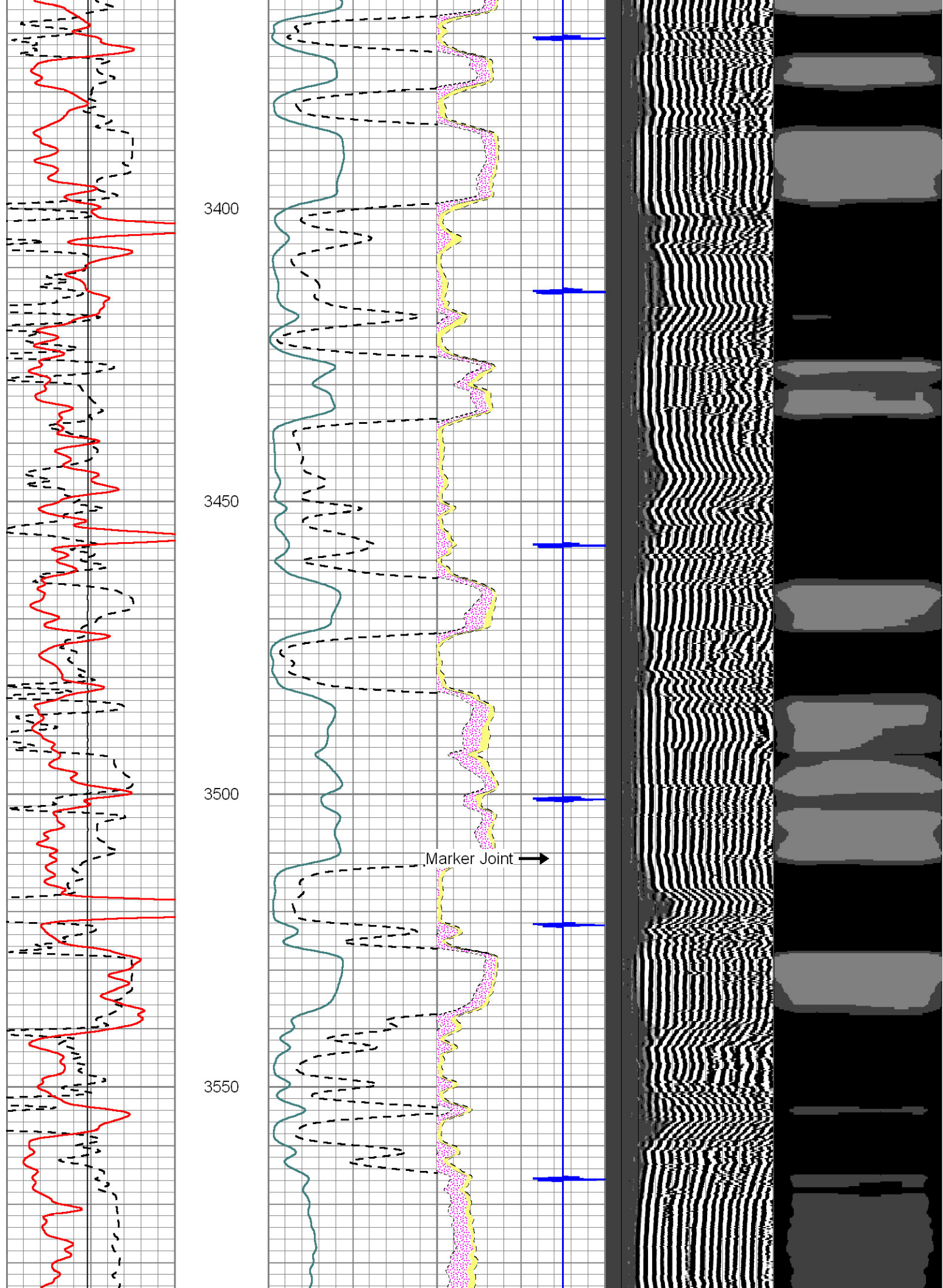
Main Pass

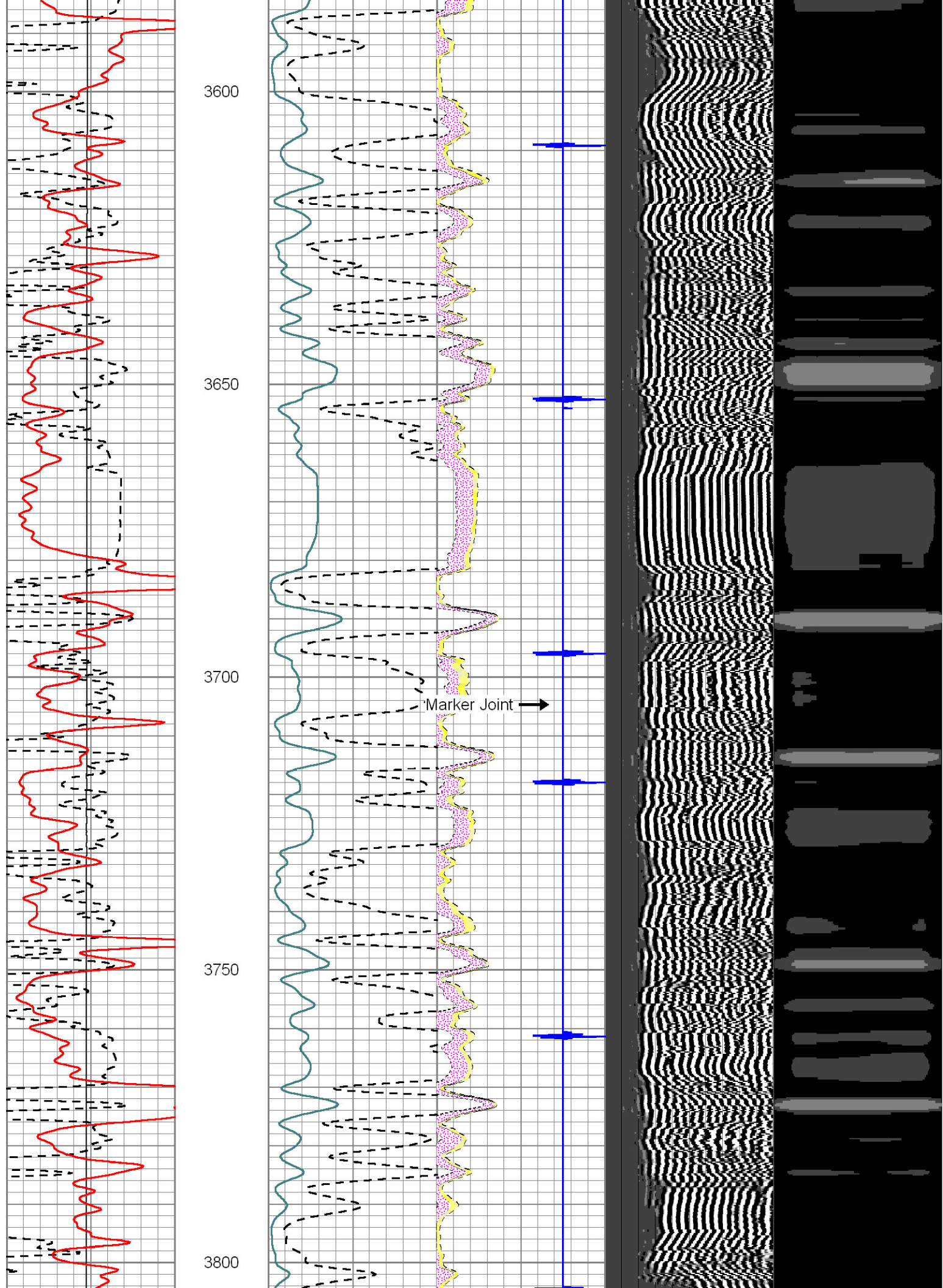
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 Dataset Pathname: pass5
 Presentation Format: scbl
 Dataset Creation: Tue Oct 02 16:16:14 2012 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

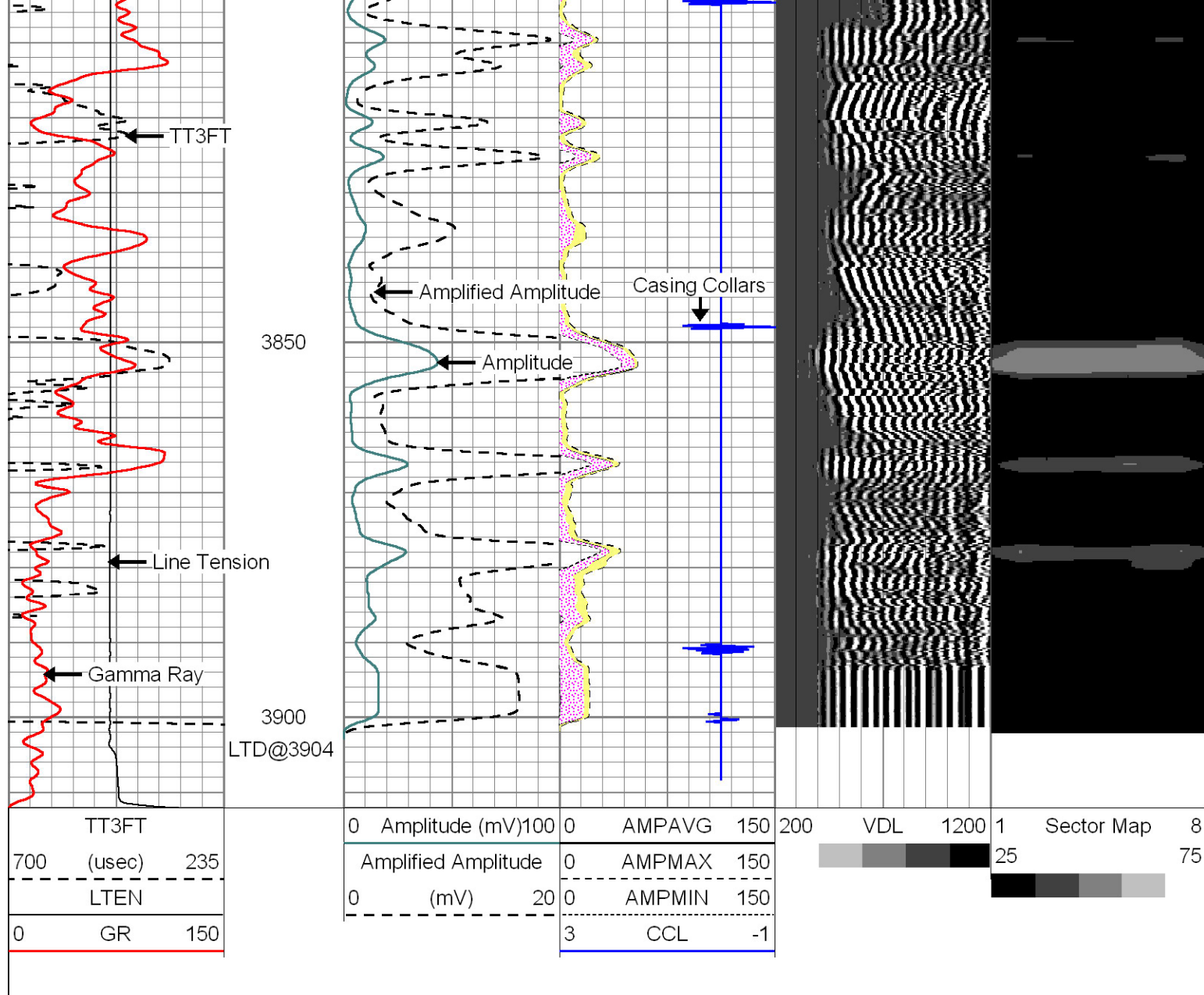












Repeat Section

Database File: spiral_desair_no-1.db
 Dataset Pathname: pass4
 Presentation Format: scbl
 Dataset Creation: Tue Oct 02 16:05:11 2012 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

