PIONEER

Pioneer Energy Services

Sector Bond / Gamma Ray CCL Log

API No. 15-0007-24029-0000

Company Toto Energy, LLC.

Well Packard No. 24-1

Field Nurse

County Barber State Kansas

Location 1536' FNL & 625' FWL

Sec: 24 Twp: 31S Rge: 13W

Other Services: Mast Trailer

Elevation

K.B. 1636
D.F.
G.L. 1625

Permanent Datum	Ground Level	Elevation 1625
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Run Number	One		
Date Survey	07/12/2013		
Date Cementing	06/27/2013		
Type Cementing Operation	Primary		
Depth Driller	4750		
Depth Logger	4701		
Logged Interval	4700 to 2600		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	2820		
Calculated Cement Top	////		
Max. Hole Temperature	////		
Tool No.	RBT 1-1		
Spacing Recorded	3-5		
Equipment -- Location	13	Pratt	
Recorded By	J.Smith		
Witnessed By	T. Madden		

<<< 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

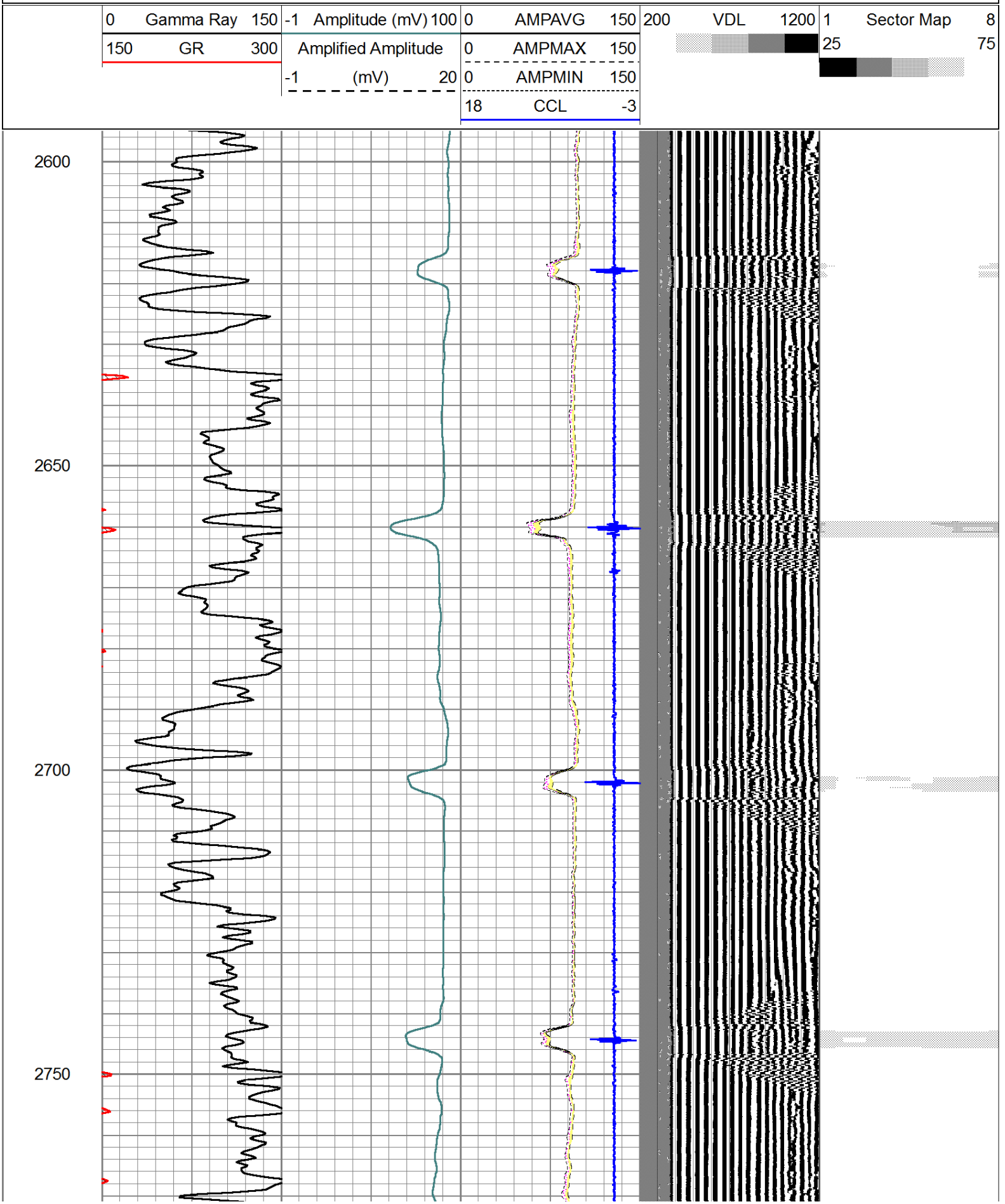
Thank you for using Pioneer Energy Services
(620) 672-8300
Medicine Lodge Kansas,
6.5 West on Lake City Rd.
At Curves Stay North on NW Mingona Rd. 1/4 Mile,
West Into.

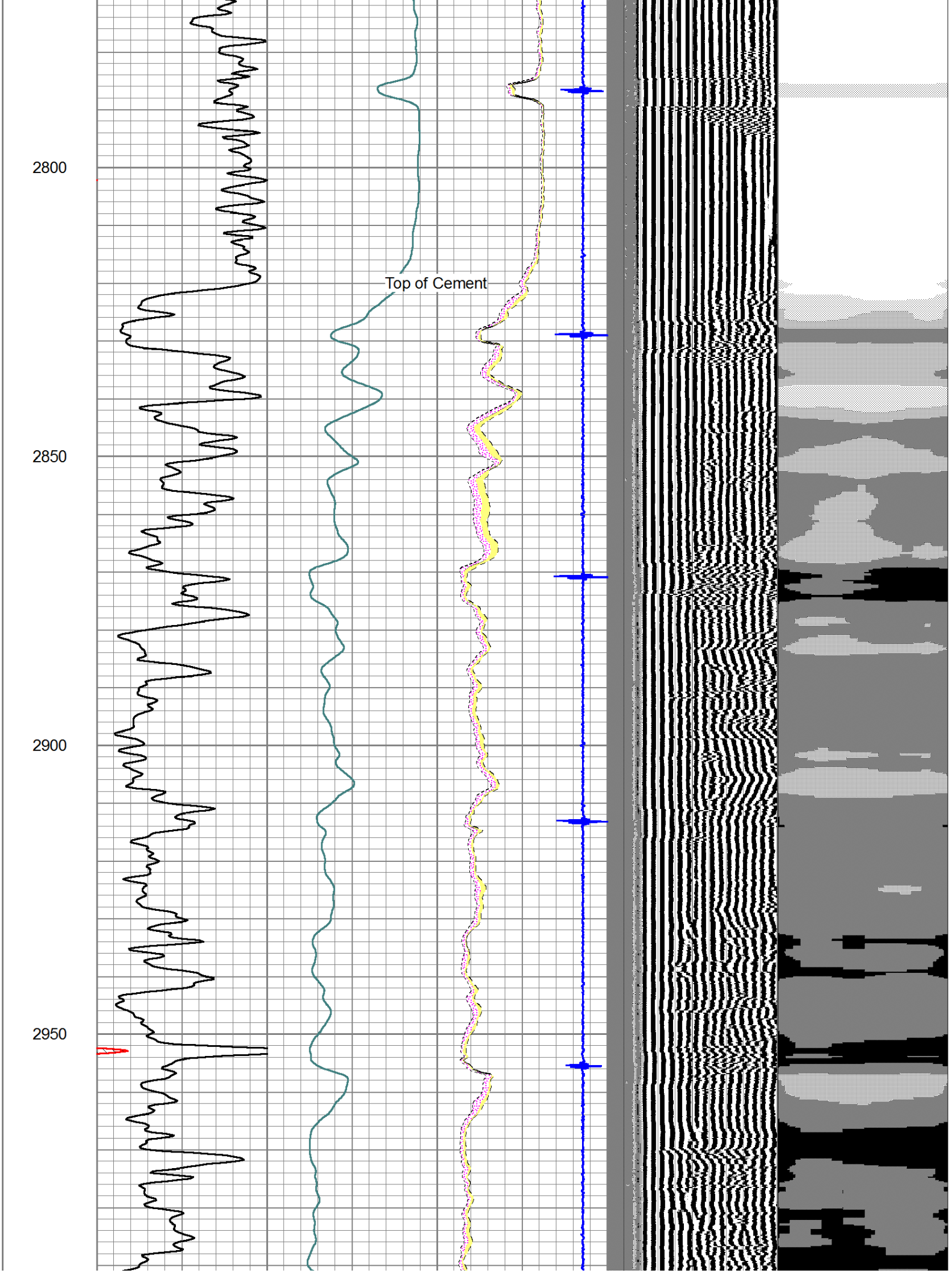
Main Pass

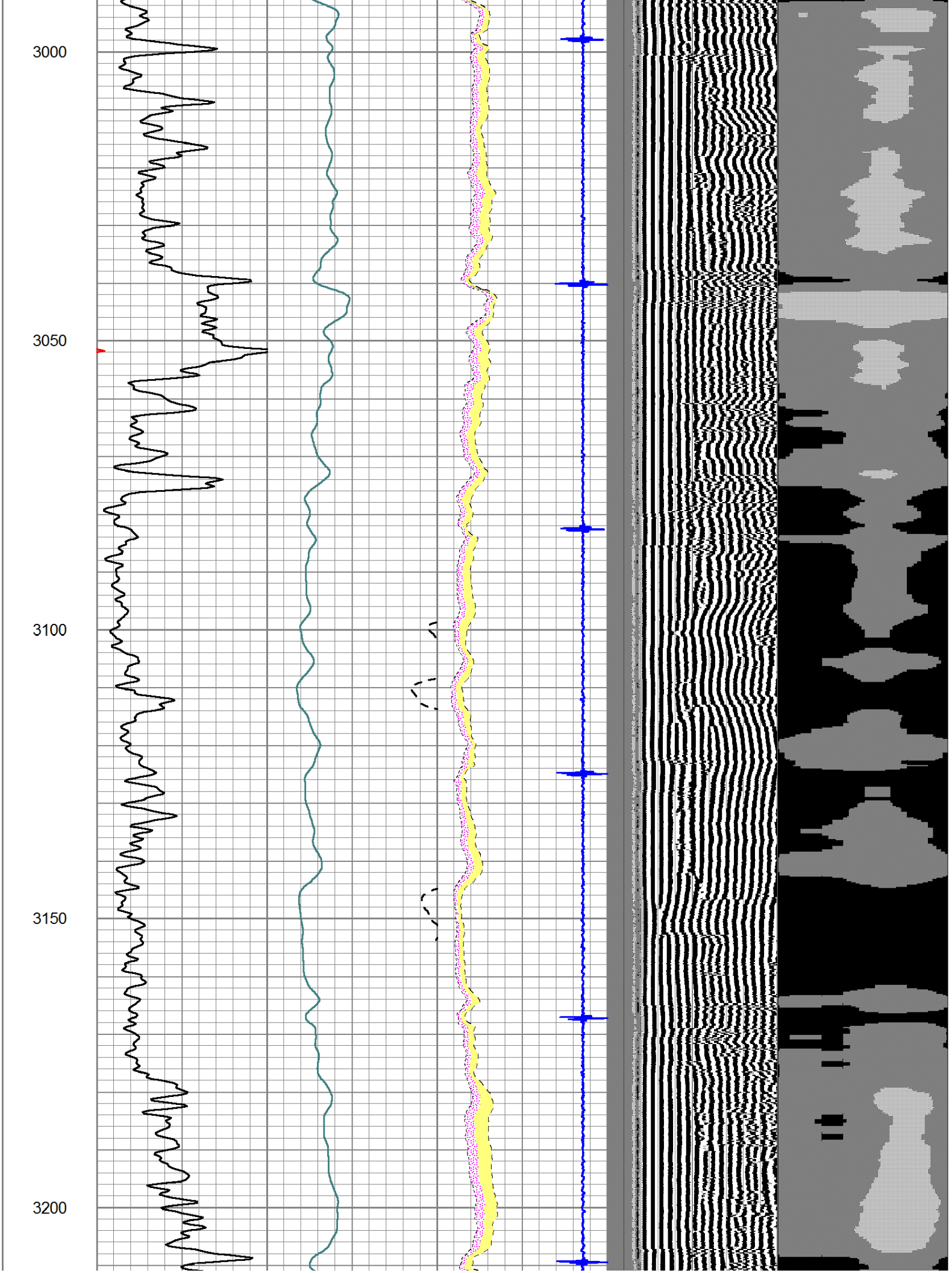
PIONEER

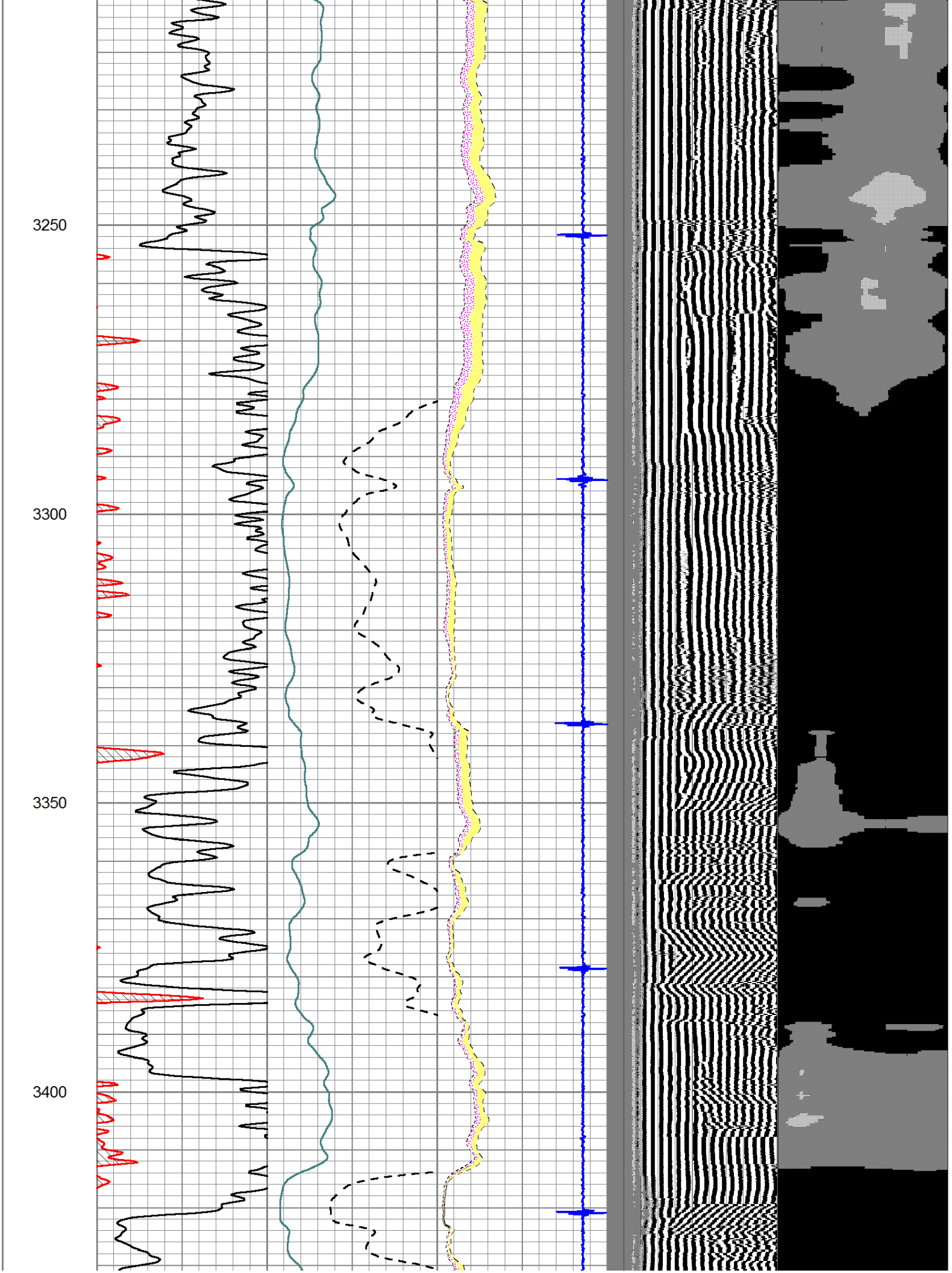
Pioneer Energy Services

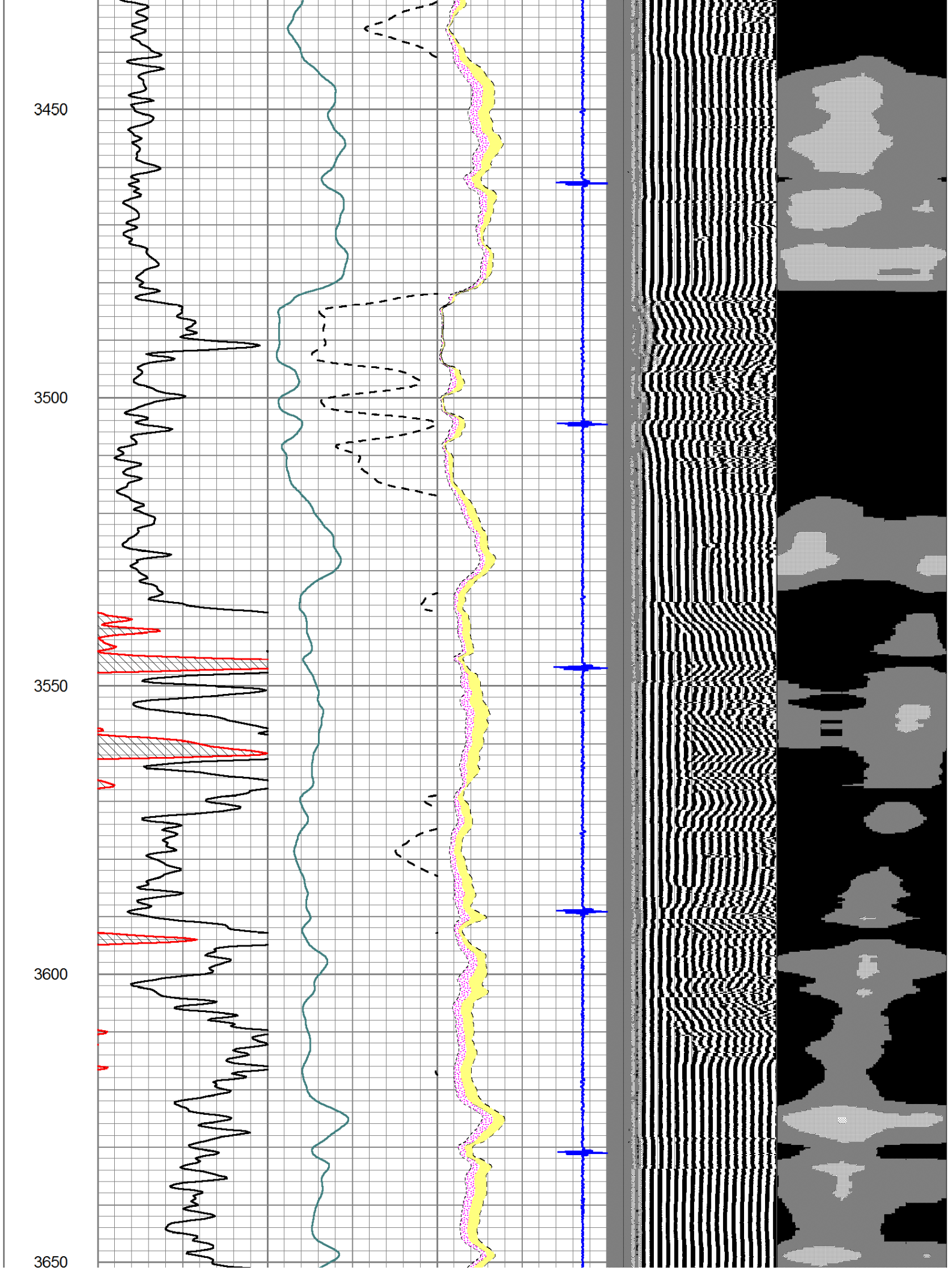
Database File:	totoenergyllc-packard-24-1.db
Dataset Pathname:	grscbl/pass6
Presentation Format:	scbl
Dataset Creation:	Fri Jul 12 21:49:34 2013
Charted by:	Depth in Feet scaled 1:240

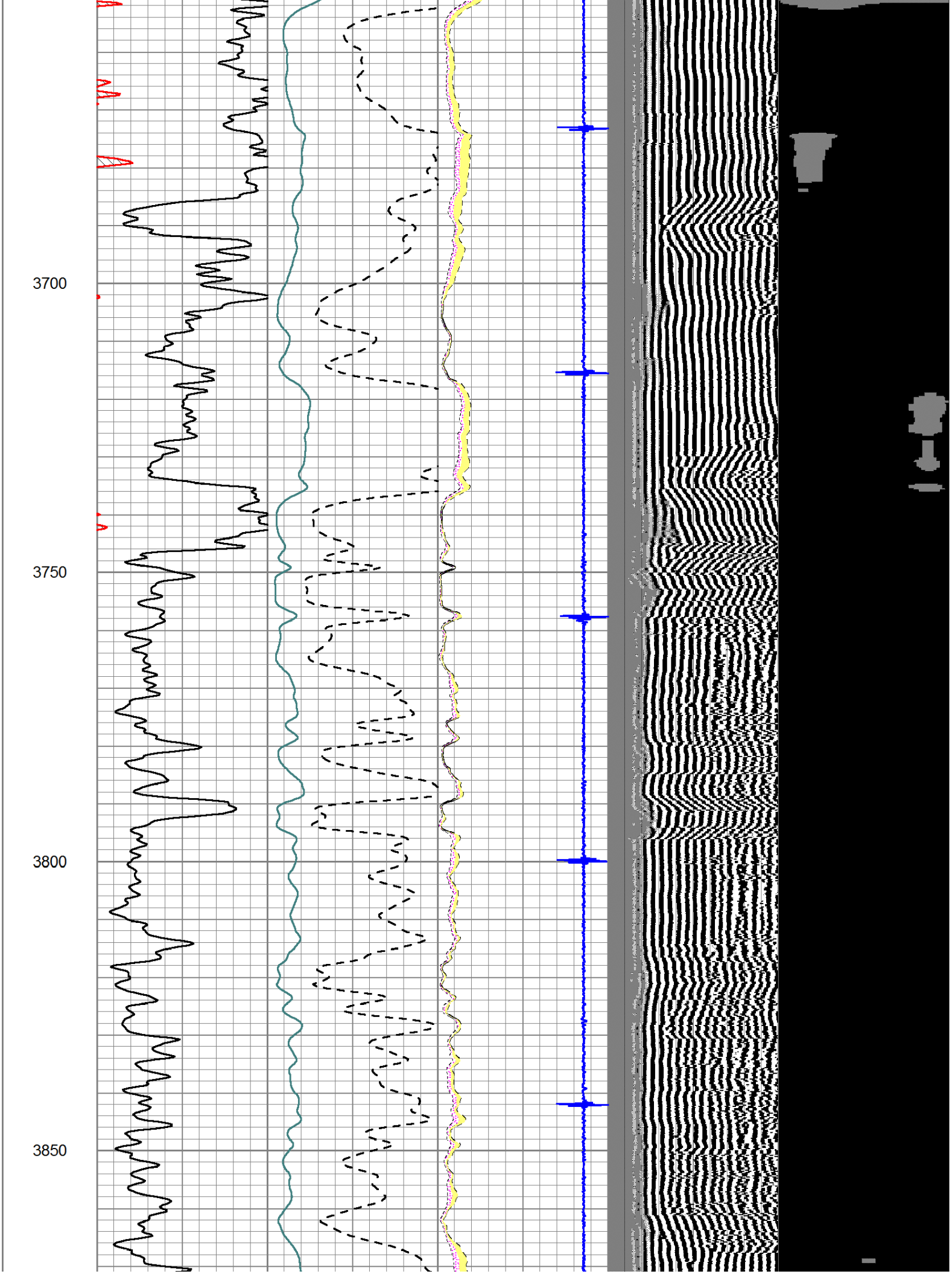


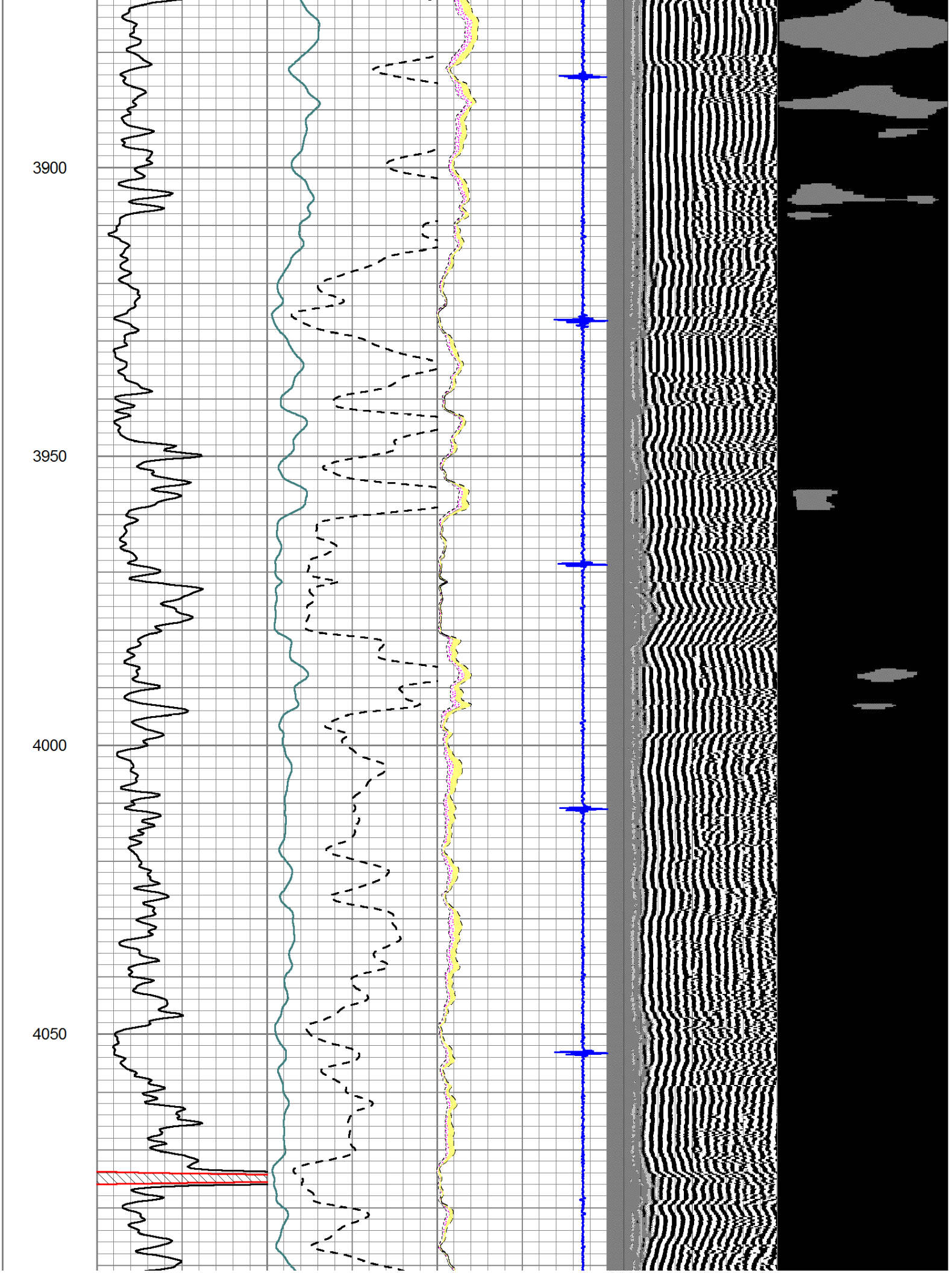

2800
Top of Cement
2850
2900
2950

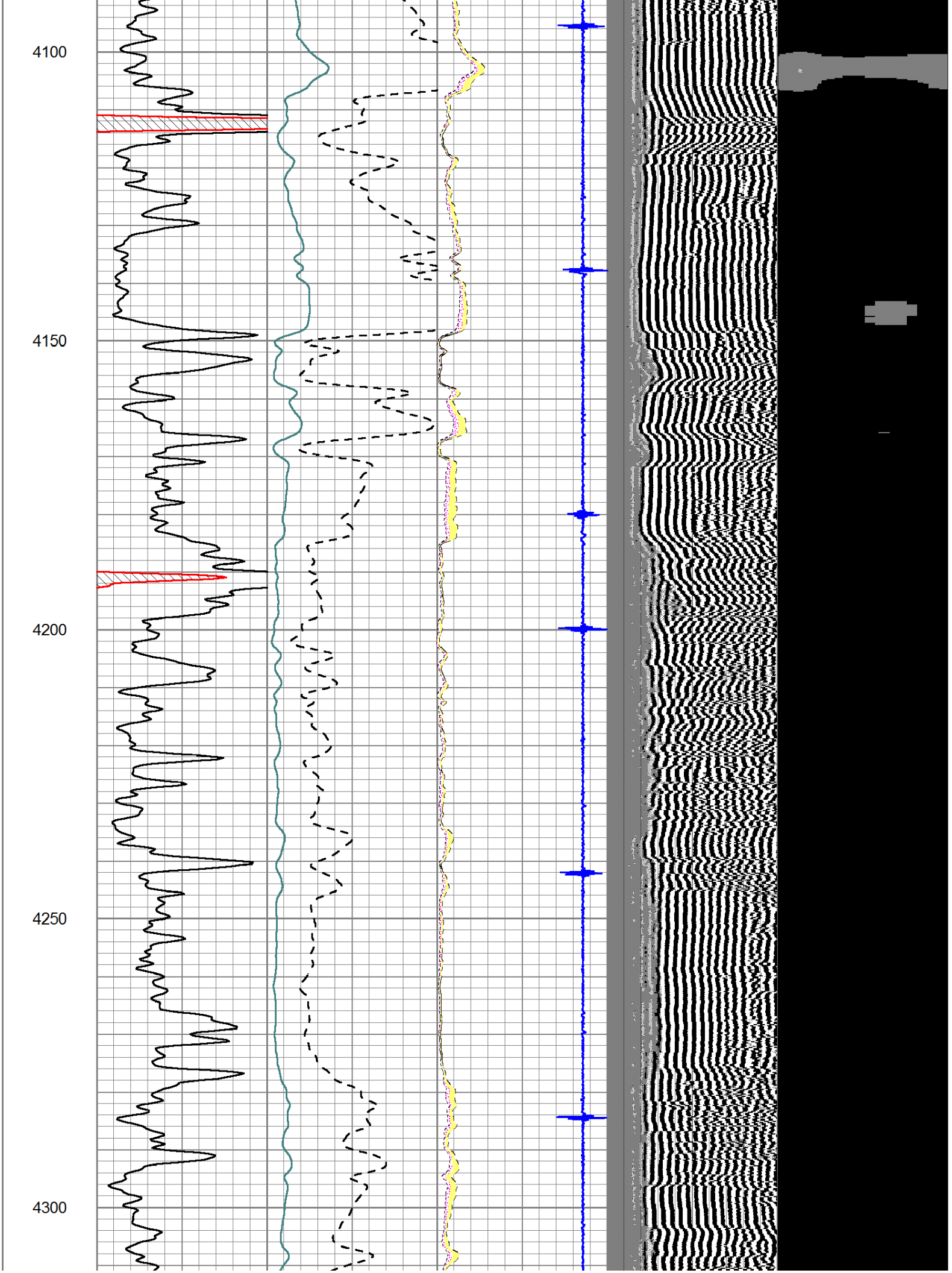

3000
3050
3100
3150
3200

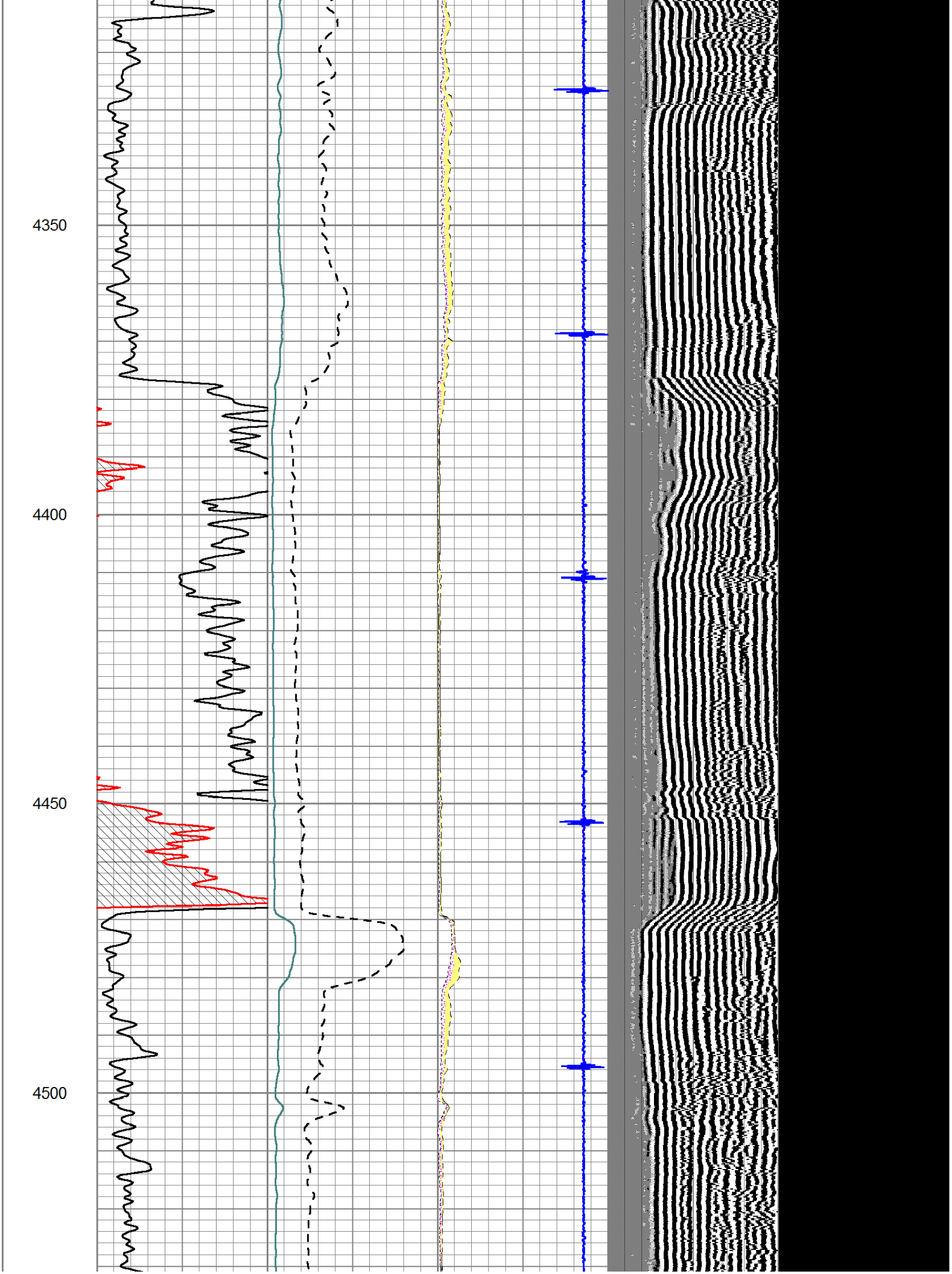

3250
3300
3350
3400

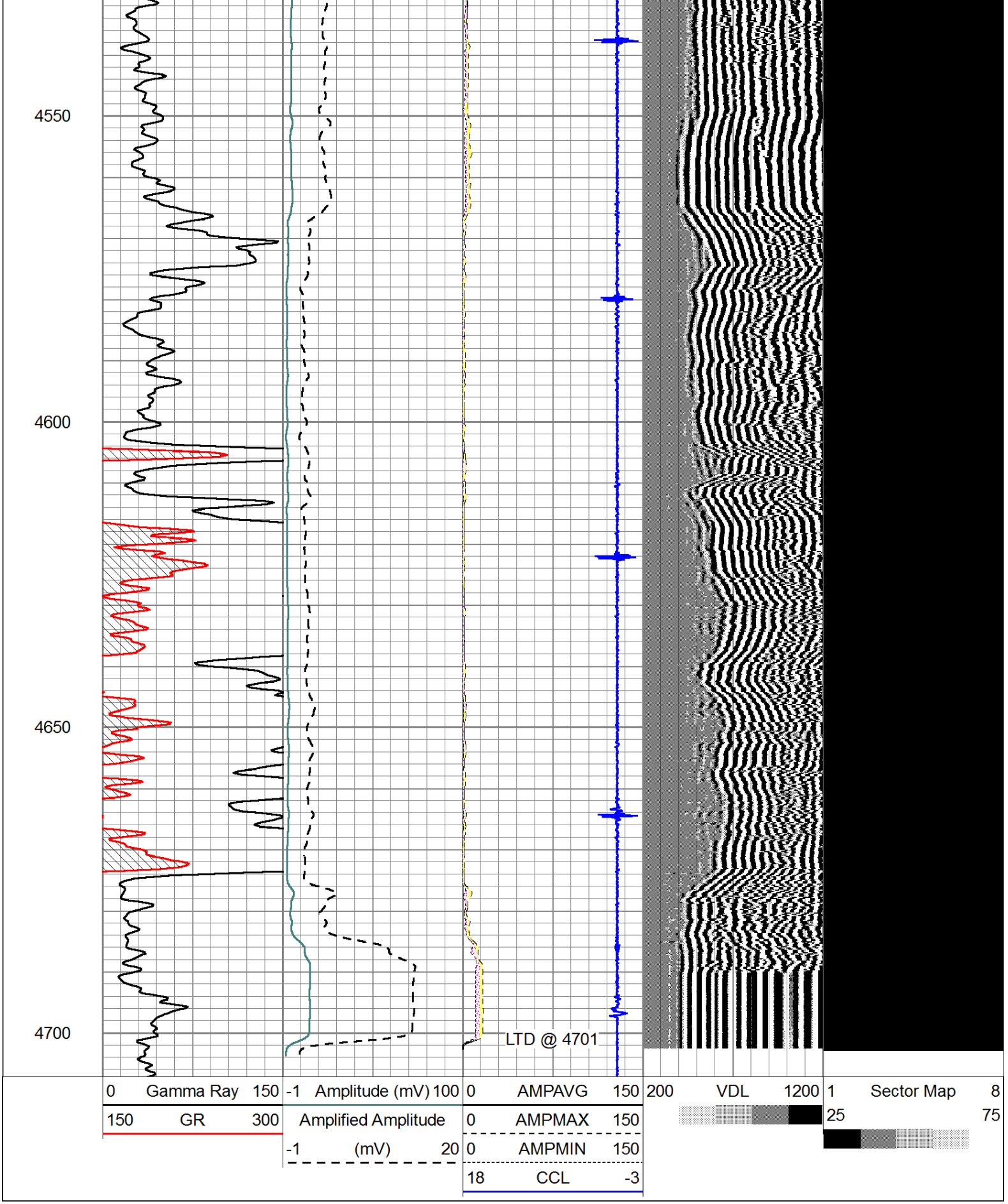

3450
3500
3550
3600
3650


3700
3750
3800
3850


3900
3950
4000
4050


4100
4150
4200
4250
4300


4350
4400
4450
4500



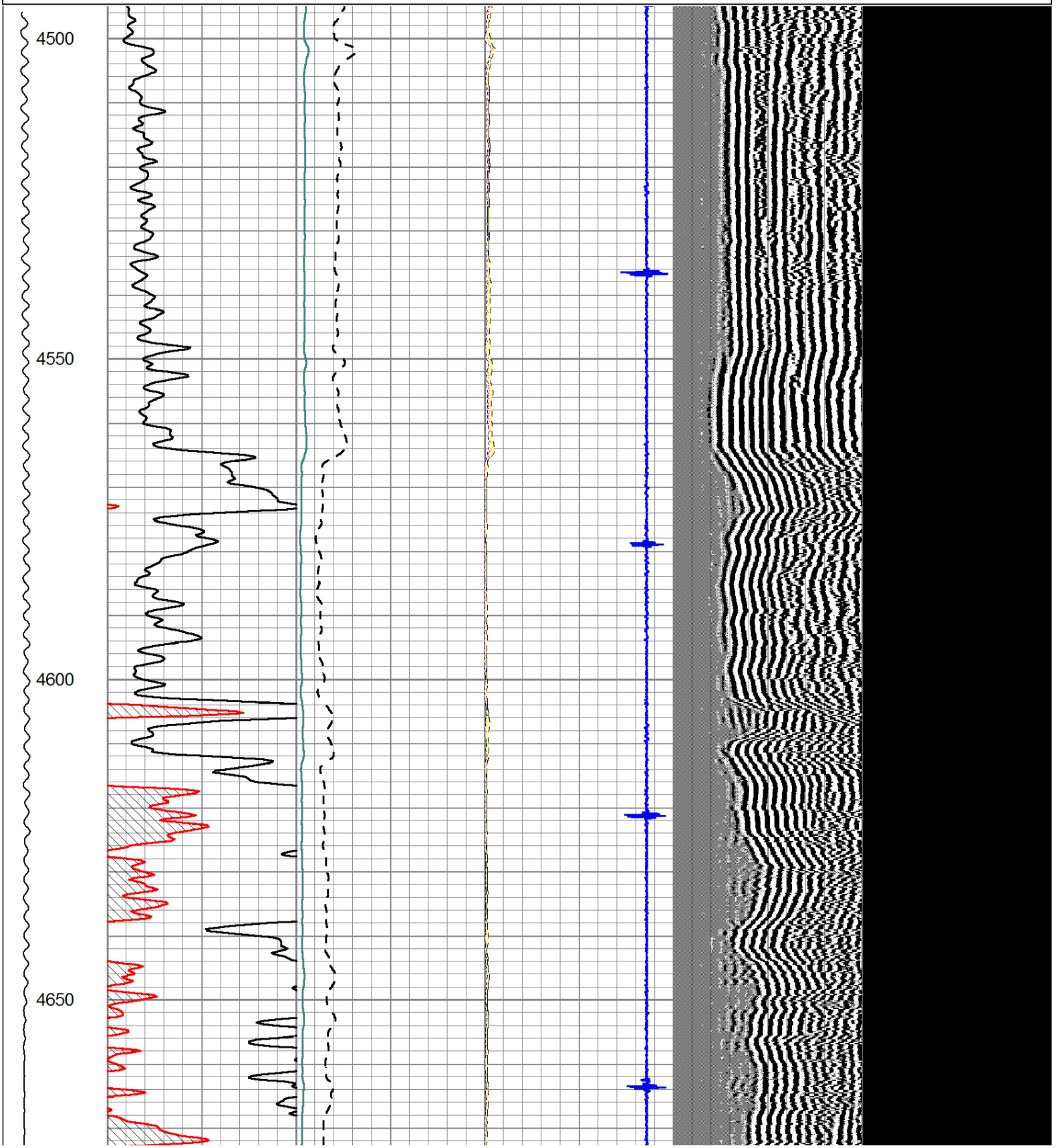
PIONEER

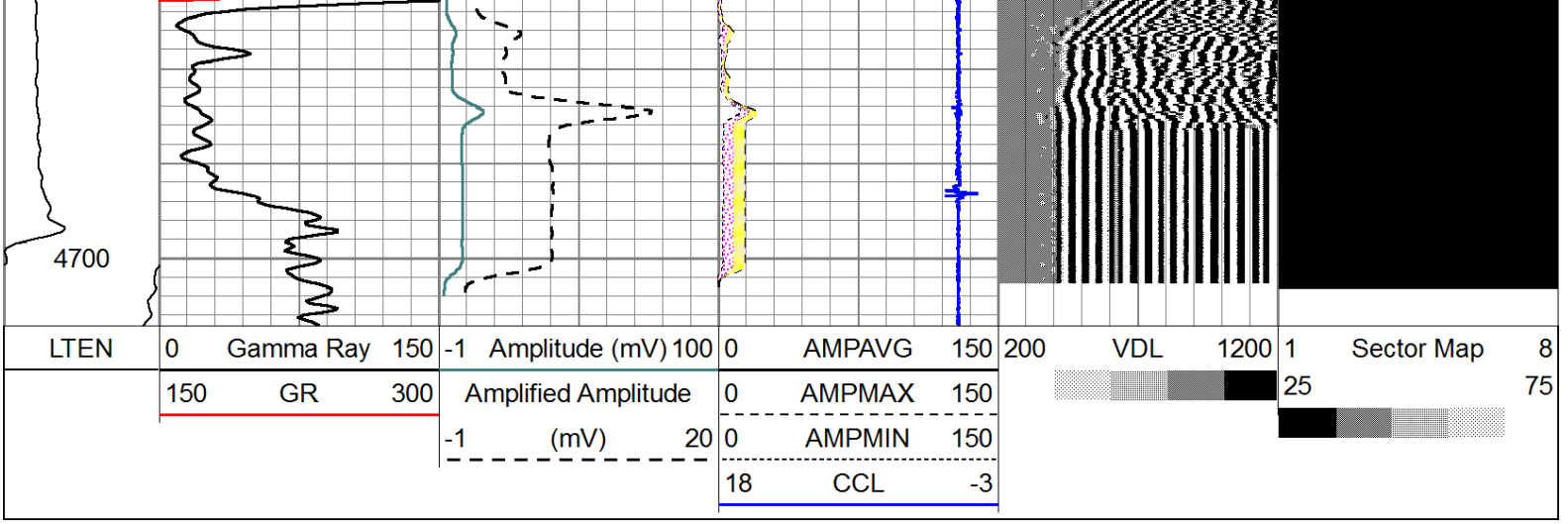
Pioneer Energy Services

Repeat Section

Database File:	totoenergyllc-packard-24-1.db
Dataset Pathname:	grscbl/pass4
Presentation Format:	scbl
Dataset Creation:	Fri Jul 12 15:05:59 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

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




4700
LTEN
0 Gamma Ray 150
150 GR 300
-1 Amplitude (mV) 100
Amplified Amplitude
-1 (mV) 20
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
18 CCL -3
200 VDL 1200
1 Sector Map 8
25 75