LOG-TECH

(785) 625-3858

Sector Bond / Gamma Ray CCL Log

API No.: 15-195-22,766-00-00

Company: Samuel Gary Jr. & Associates, Inc.
Well: Armbruster ET AL No. 1-32
Field: Wildcat
County: Trego State: Kansas

Location: 2,200' FSL & 2,640' FEL
Sec: 32 Twp: 11 S Rge: 21 W

Other Services: Mast Trailer

Permanent Datum	Ground Level	Elevation 2353
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Elevation
K.B. 2361
D.F. 2359
G.L. 2353

Run Number	One	
Date Survey	03-26-2012	
Date Cementing	03-20-2012	
Type Cementing Operation	Primary	
Depth Driller	4160	
Depth Logger	4105	
Logged Interval	4104 to 2300	to
Casing Driller	5.5" @ T.D.	@
Float Collar -- D.V. Tool	1301 / ////	/
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	2450	
Calculated Cement Top	////	
Max. Hole Temperature	119	
Tool No.	RBT 5-5	
Spacing Recorded	3-5	
Equipment -- Location	3 / Hays	/
Recorded By	Stan Linenberger	
Witnessed By	Gerald Achatz	

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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 Log-Tech, Inc.
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Ogallah Exit & I-70, 3 Miles North to H Rd.,
2 Miles East to 360 Rd, 1 Mile North to G Rd.
1/2 Mile East, North Into.

Port Collar @ 1301'

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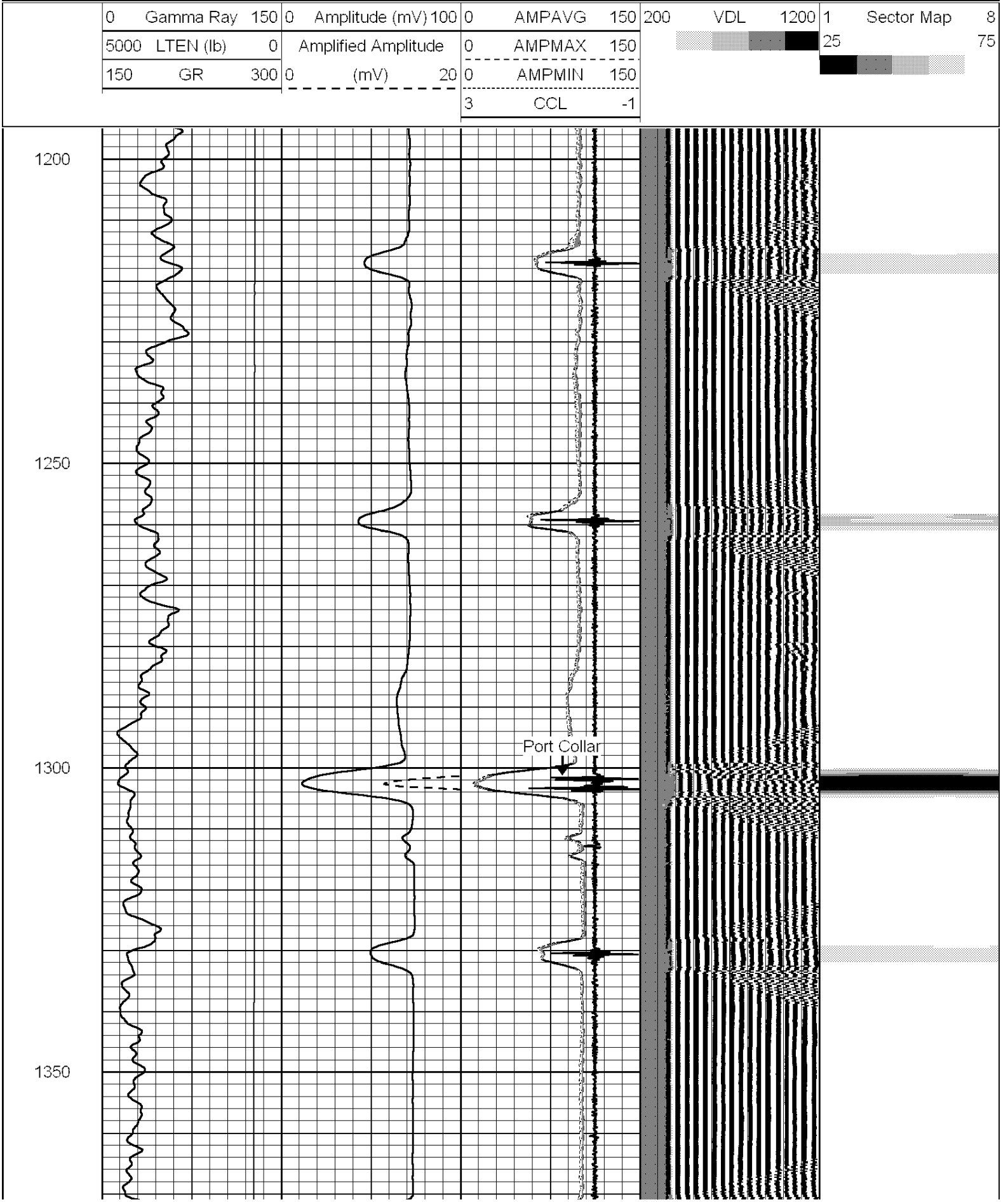
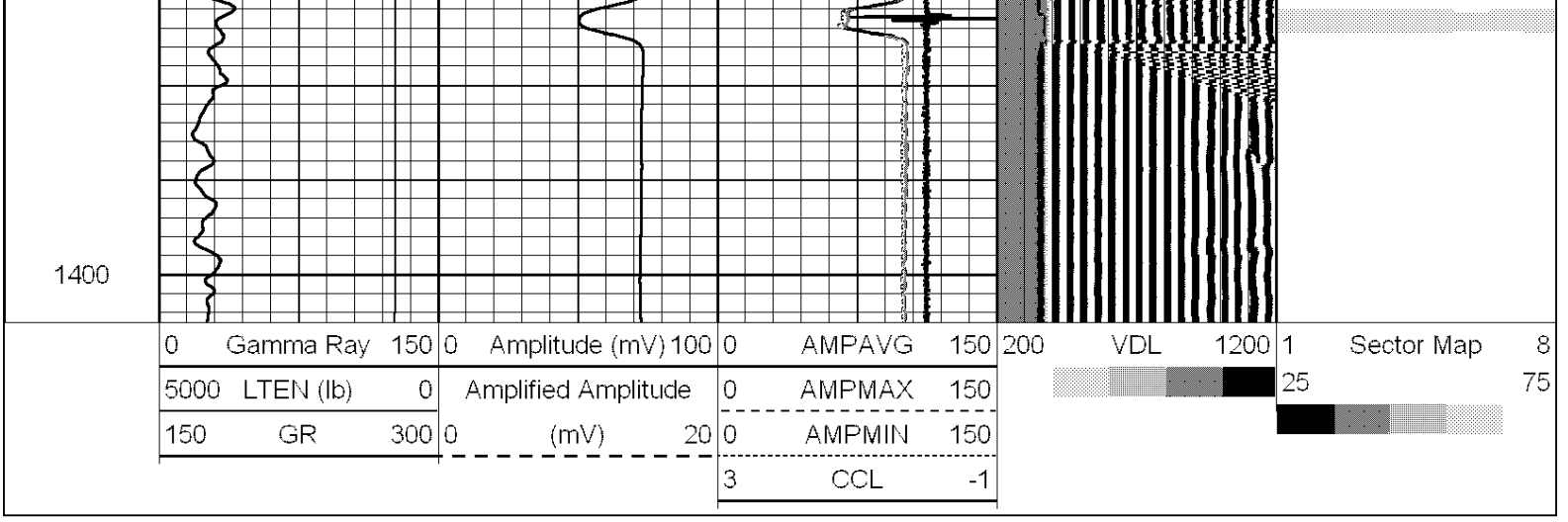
[redacted]

Database File:	sam gary jr armbruster 1-32.db
Dataset Pathname:	scbl/pass4
Presentation Format:	scbl
Dataset Creation:	Mon Mar 26 11:46:46 2012 by Log Std Casedhole 09061
Charted by:	Depth in Feet scaled 1:240





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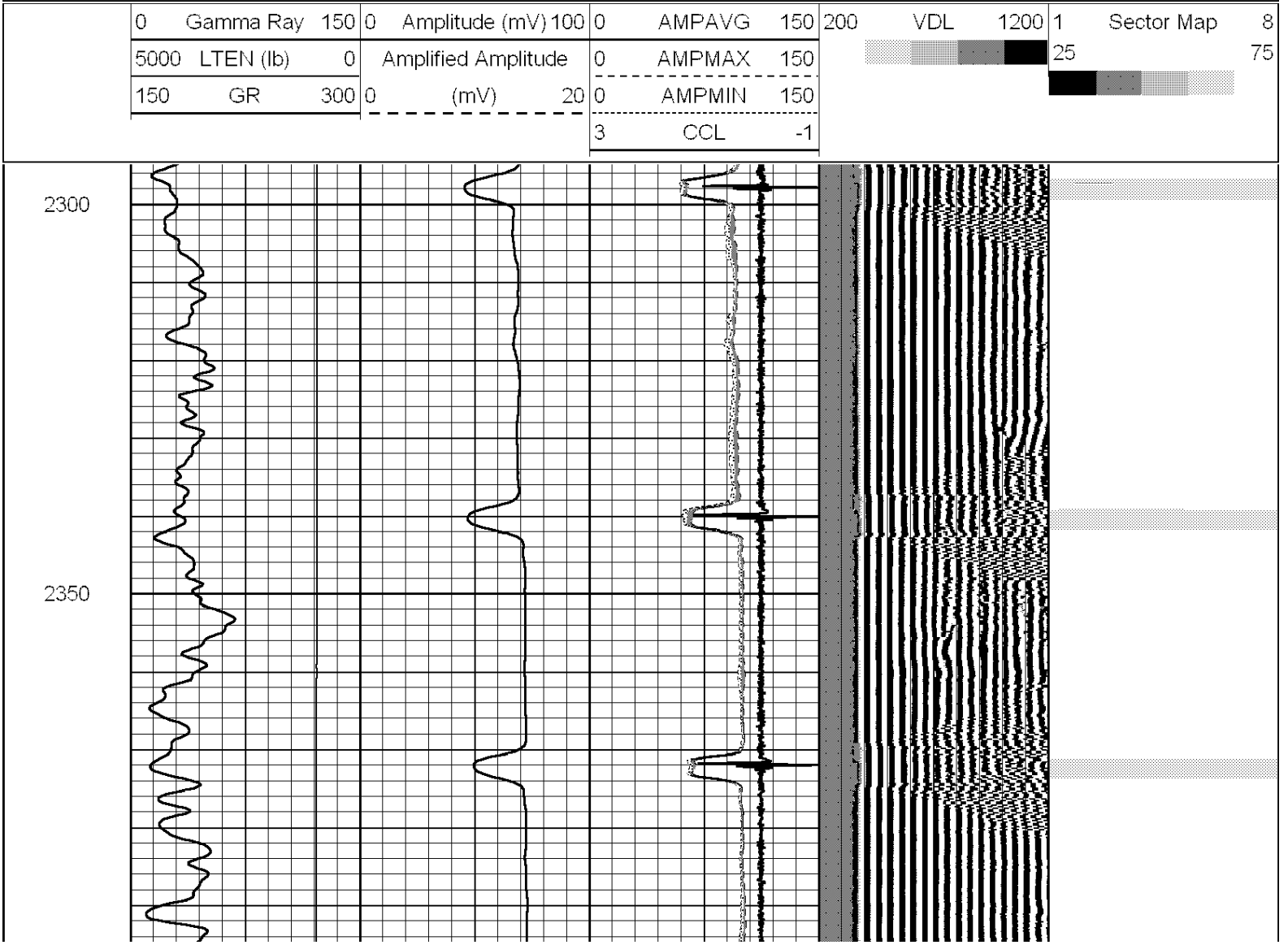
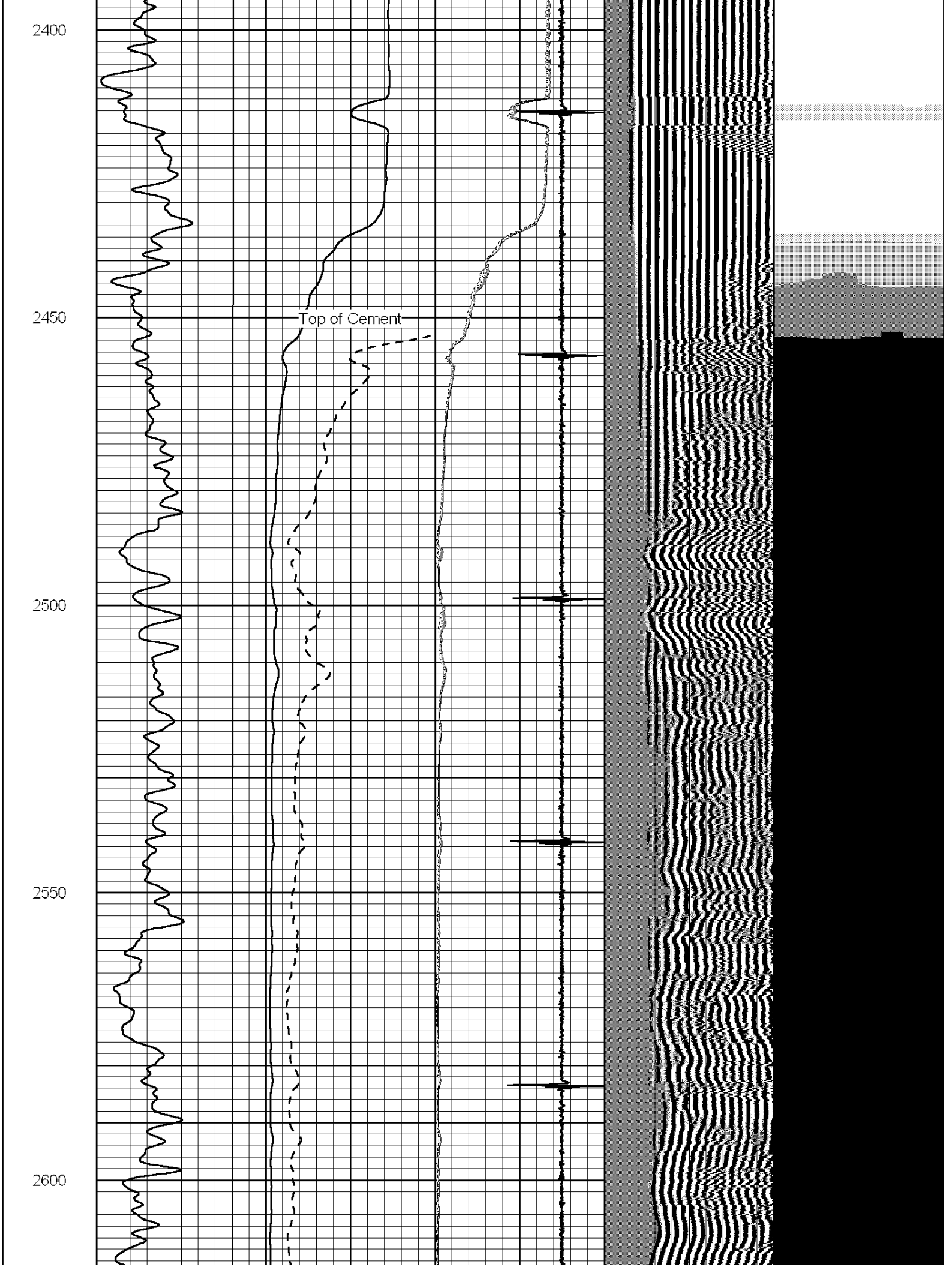
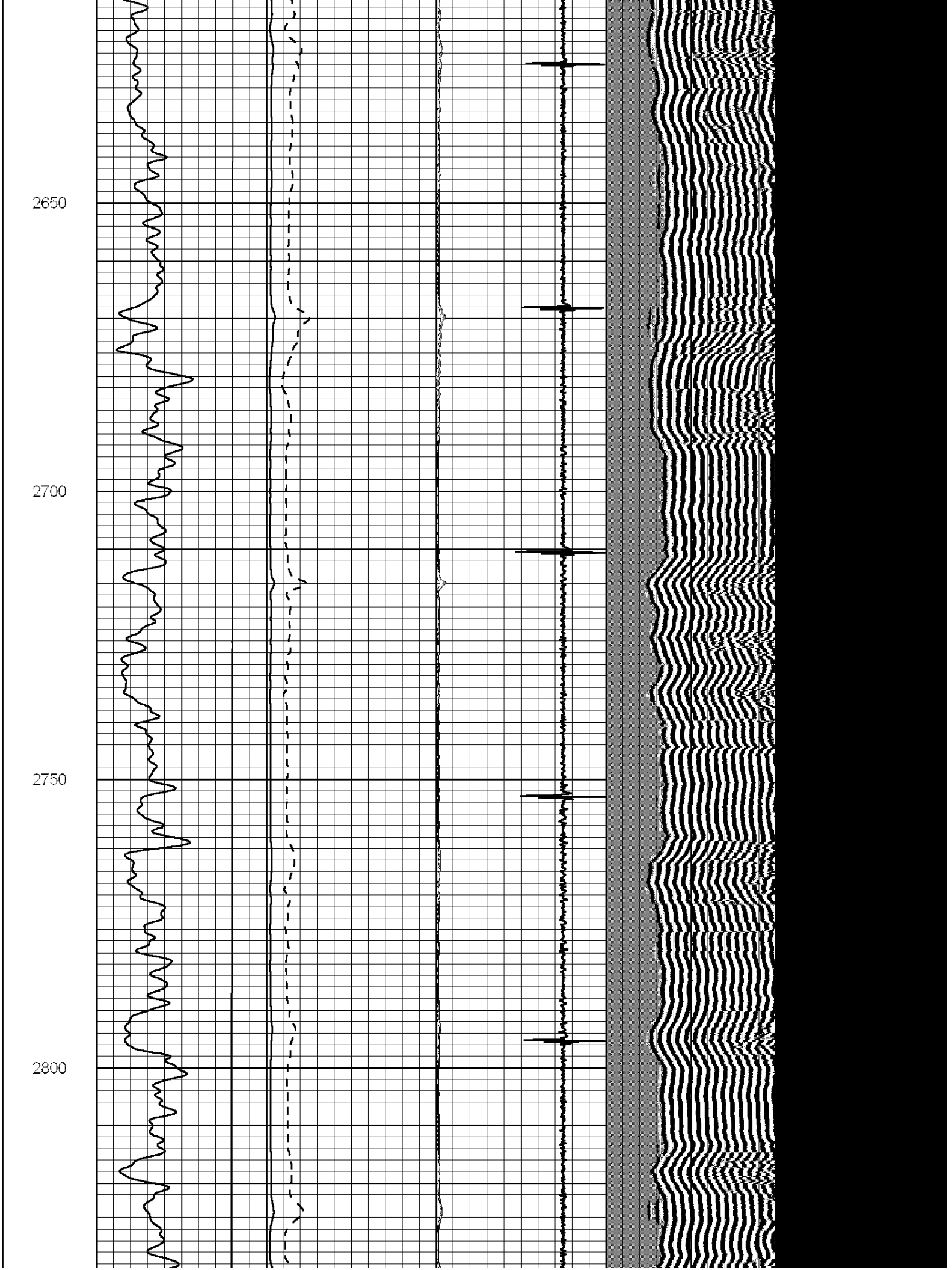
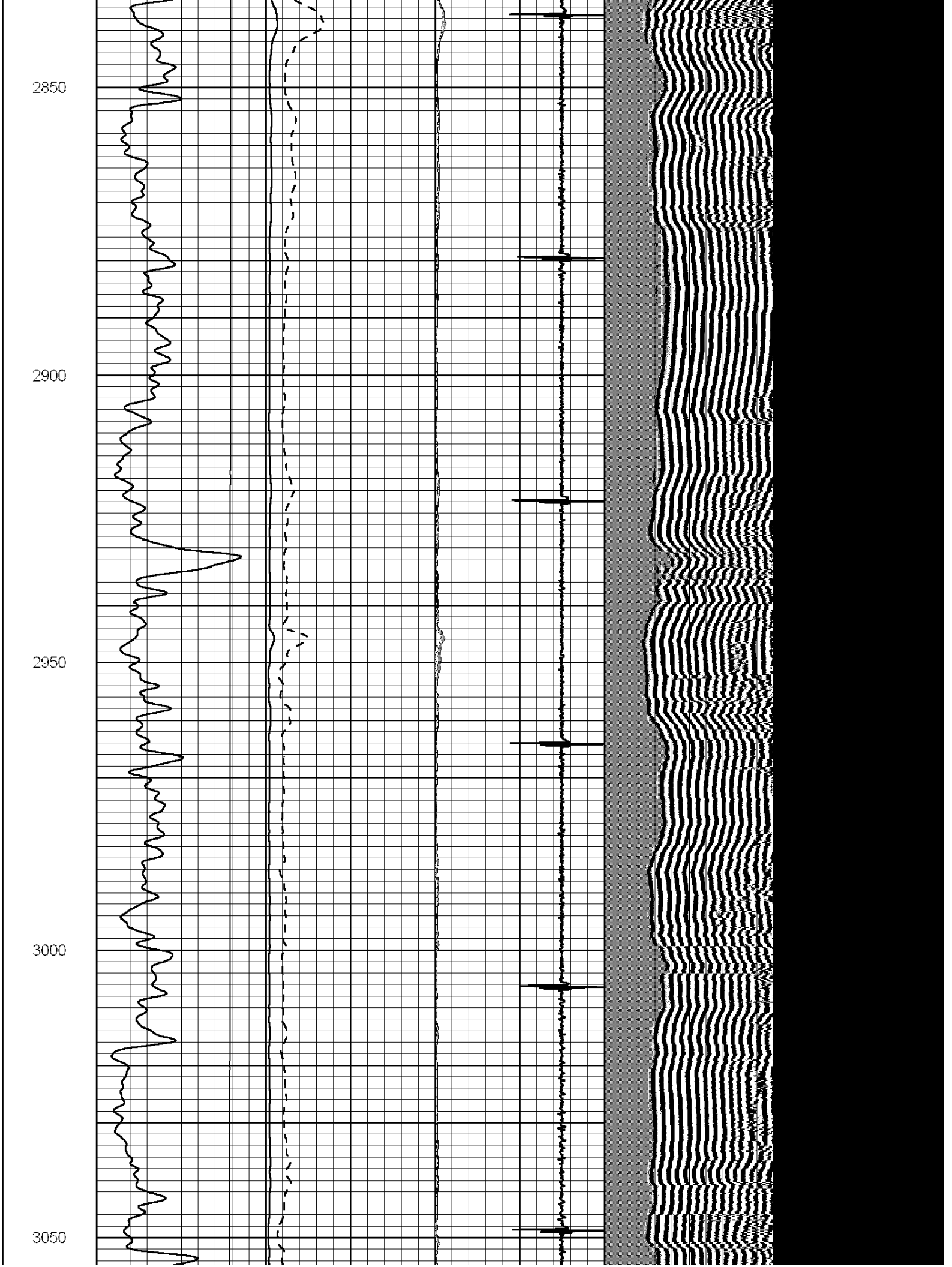
Main Pass

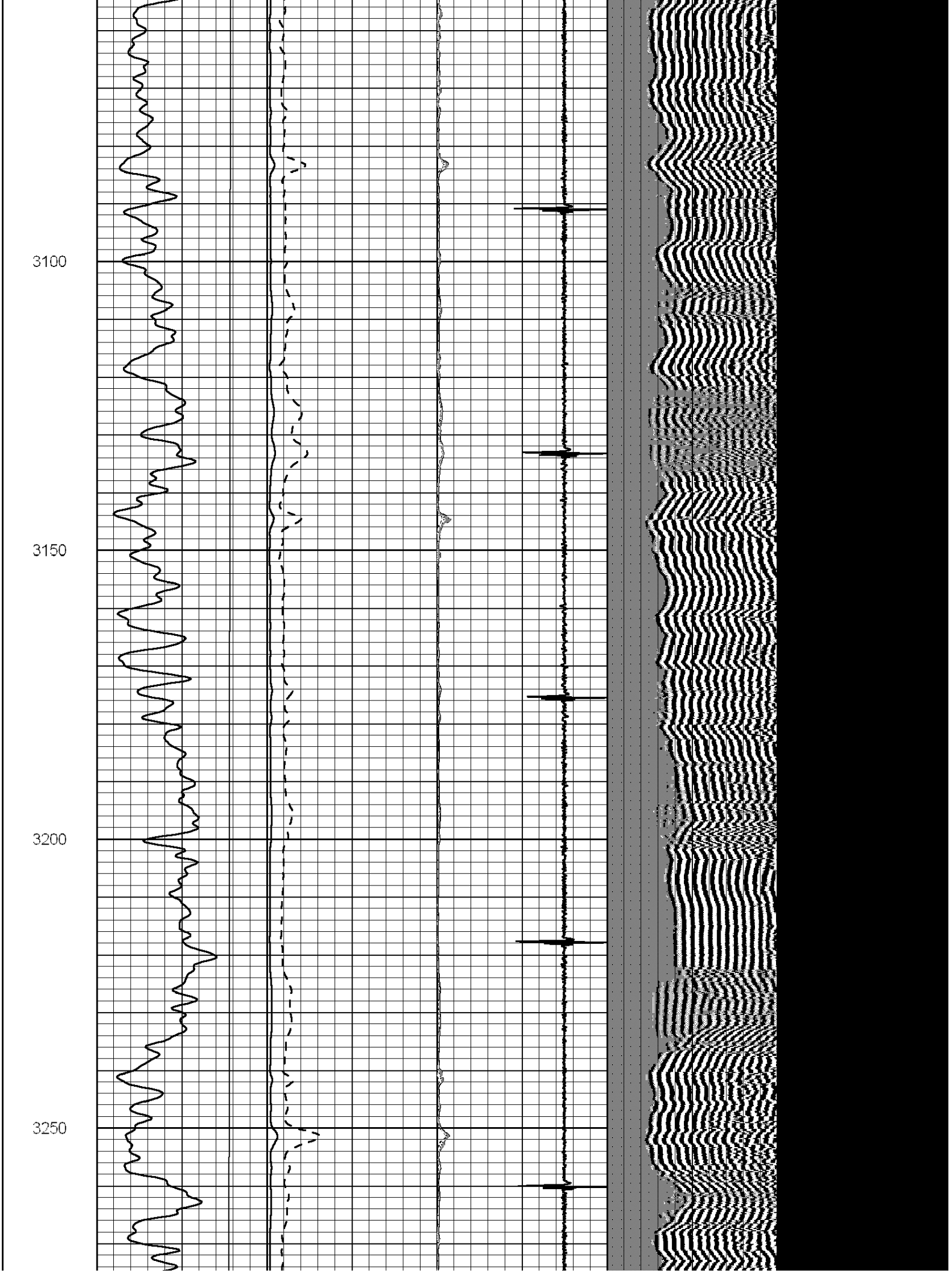
Database File: sam gary jr armbruster 1-32.db
Dataset Pathname: scbl/pass3.2
Presentation Format: scbl
Dataset Creation: Mon Mar 26 12:30:36 2012
Charted by: Depth in Feet scaled 1:240



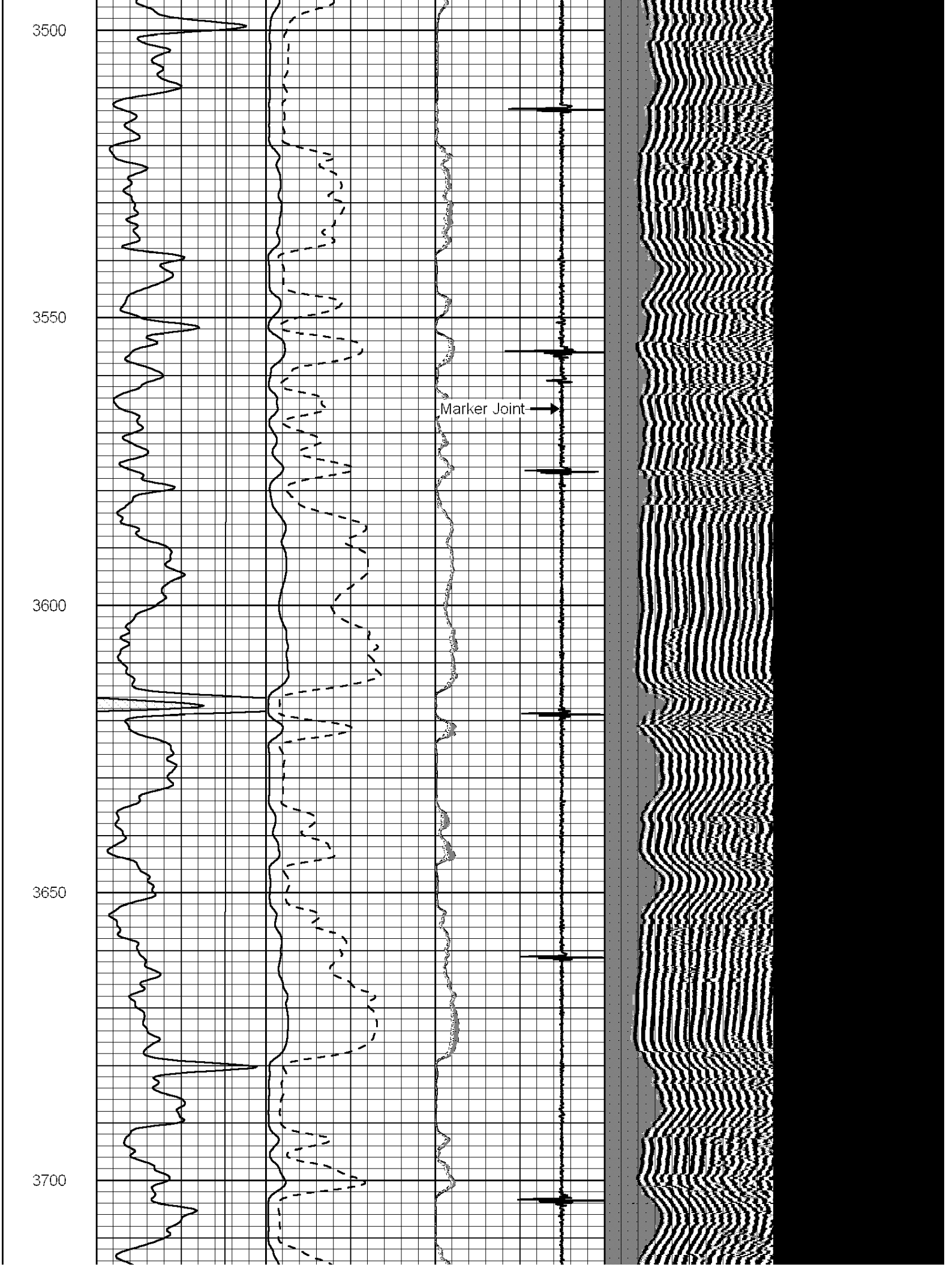

2400
2450
2500
2550
2600
Top of Cement

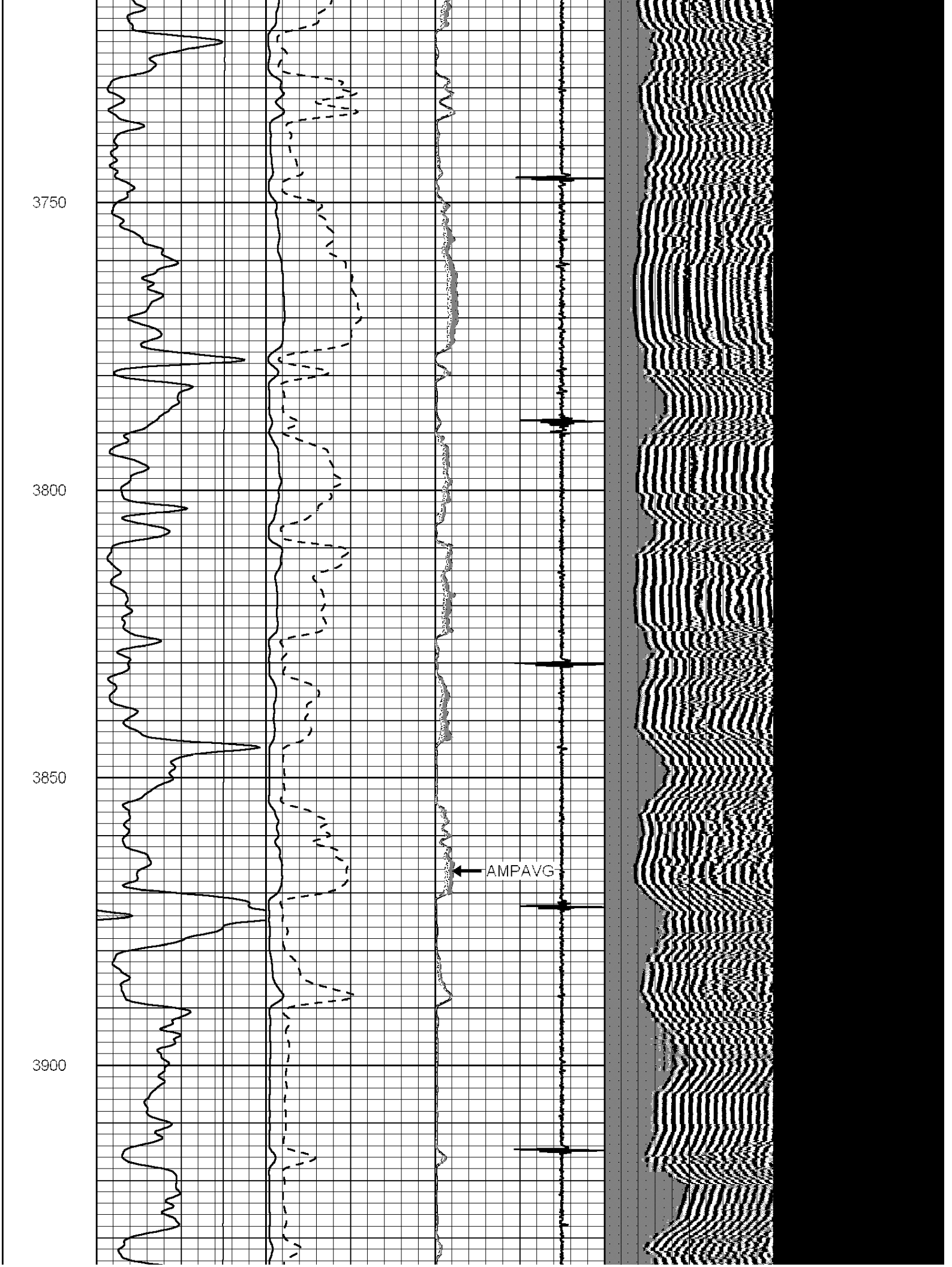

2650
2700
2750
2800

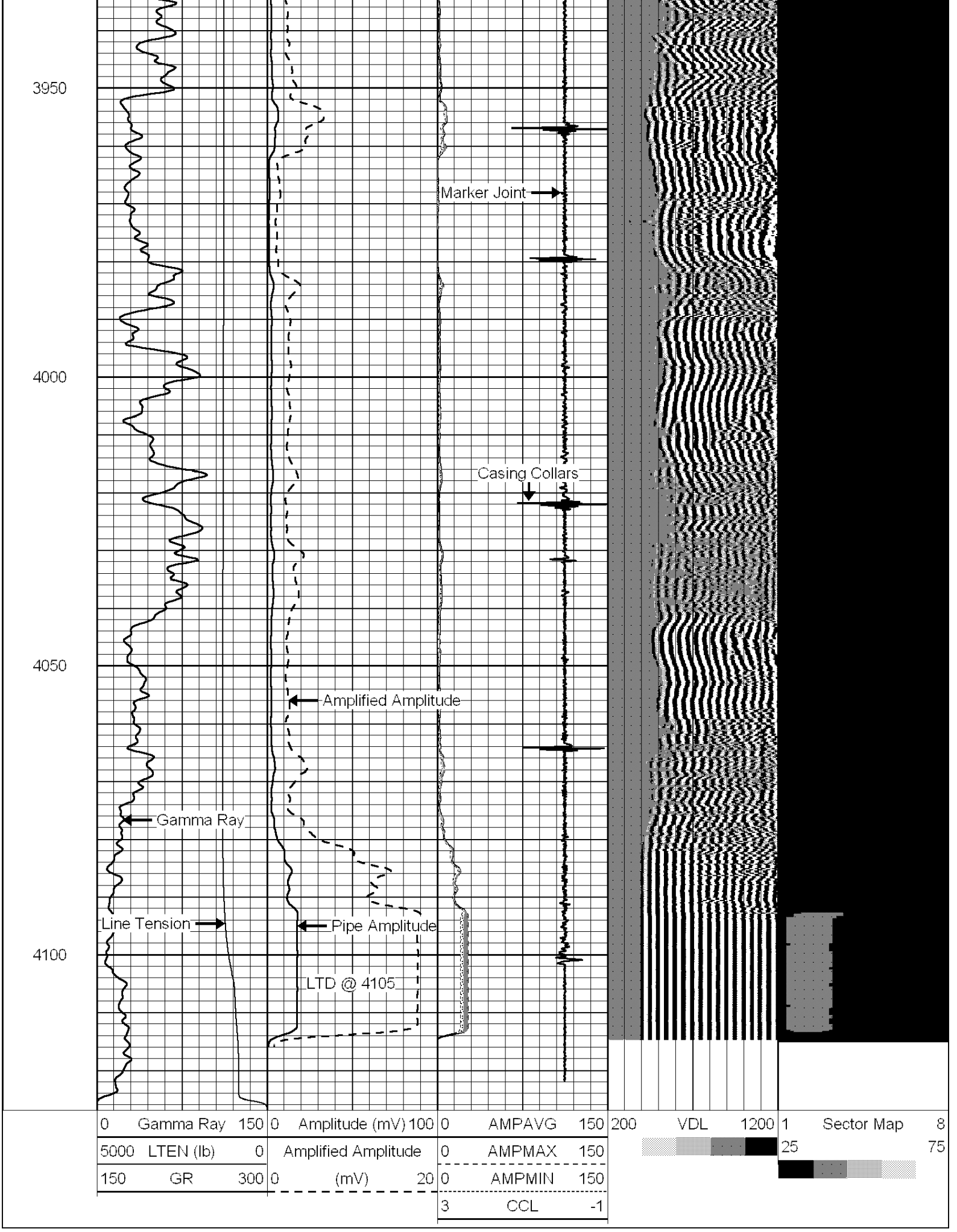

2850
2900
2950
3000
3050


3100
3150
3200
3250

3300
3350
3400
3450


3500
3550
3600
3650
3700
Marker Joint


3750
3800
3850
3900
AMPAVG


3950
4000
4050
4100
Marker Joint
Casing Collars
Amplified Amplitude
Gamma Ray
Line Tension
Pipe Amplitude
LTD @ 4105
0 Gamma Ray 150
5000 LTEN (lb) 0
150 GR 300
0 Amplitude (mV) 100
Amplified Amplitude
0 (mV) 20
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
3 CCL -1
200 VDL 1200
1 Sector Map 8
25 75

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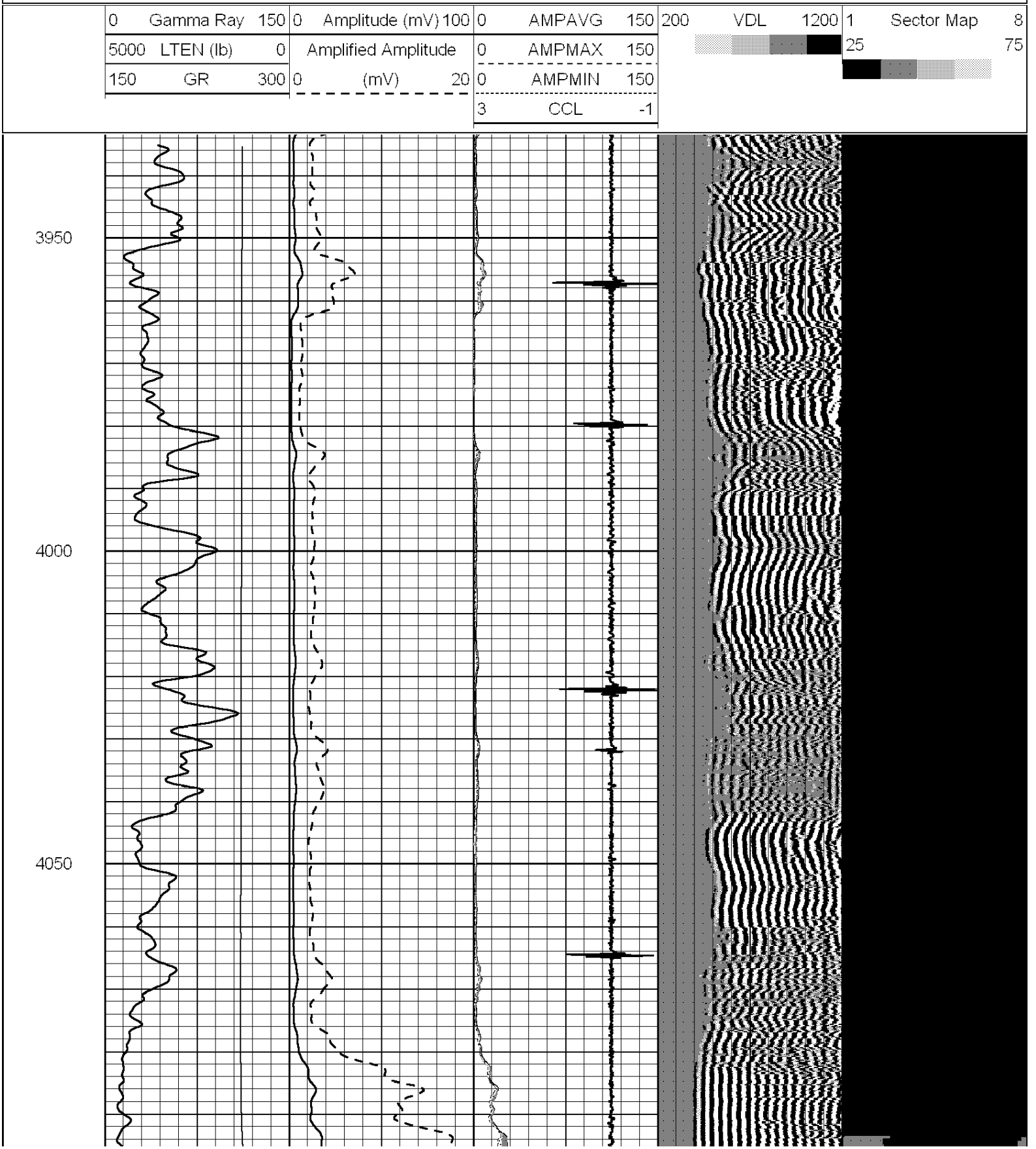
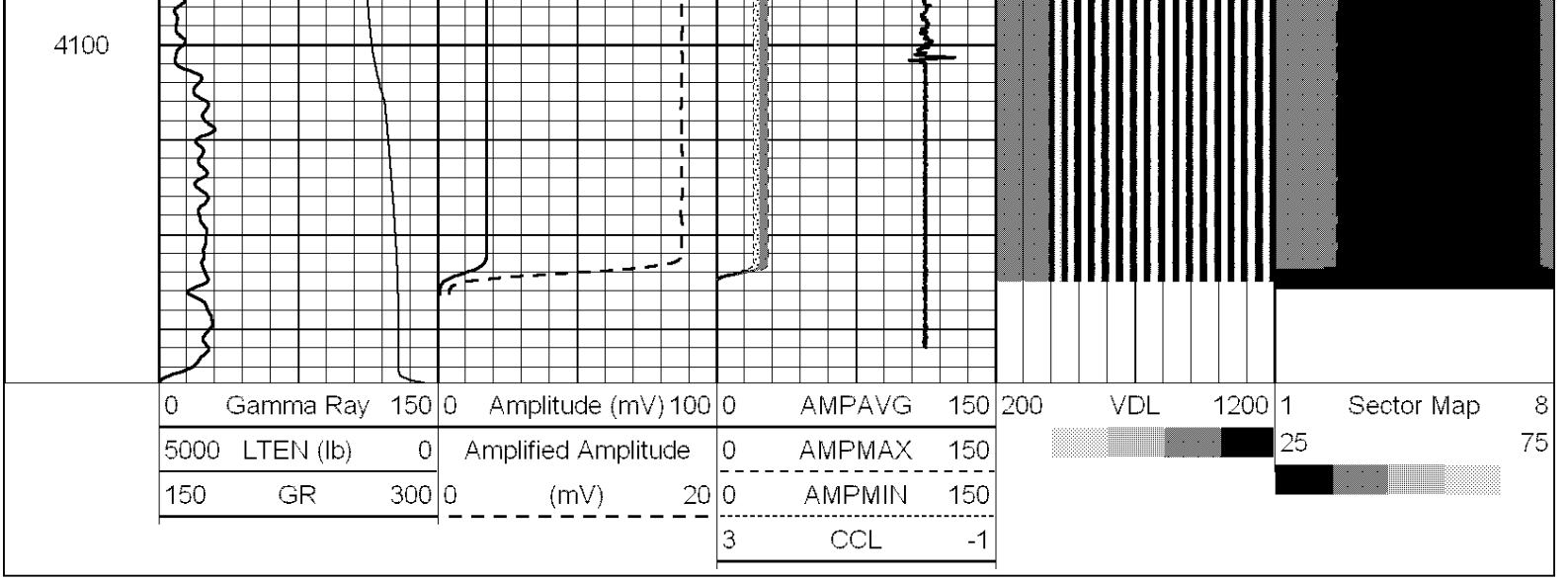
Repeat Section

Database File: sam gary jr armbruster 1-32.db
Dataset Pathname: scbl/pass2
Presentation Format: scbl
Dataset Creation: Mon Mar 26 11:13:47 2012 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240




4100
0 Gamma Ray 150
5000 LTEN (lb) 0
150 GR 300
0 Amplitude (mV) 100
Amplified Amplitude
0 (mV) 20
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
3 CCL -1
200 VDL 1200
1 Sector Map 8
25 75