PIONEER

Pioneer Energy Services

Sonic Cement Bond Log

API No. 15-191-22580-00-00

Company Anstine & Musgrove, Inc.

Well Thiessen #5

Field Padgett

County Sumner State Kansas

Location W/2 NE SE 1950' FSL & 930' FEL

Sec: 22 Twp: 34S Rge: 2E

Other Services: Perforate

Permanent Datum	Ground Level	Elevation 1221		Elevation	
Log Measured From	Kelly Bushing	8	Ft. Above Perm. Datum	K.B.	1229
Drilling Measured From	Kelly Bushing			D.F.	
				G.L.	1221
Run Number	One				
Date Survey	8/16/2010				
Date Cementing	8/9/2010				
Type Cementing Operation	Primary				
Depth Driller	3860				
Depth Logger	3850				
Logged Interval	3849 to 1000			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	1280				
Calculated Cement Top	////				
Max. Hole Temperature	////				
Tool No.	RBT1				
Spacing Recorded	3-5				
Equipment -- Location	5	Pratt			
Recorded By	D. Schmidt				
Witnessed By	Gary Anstine				

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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

S. Haven,
E on Hwy 166 to River Rd.,
1 1/4 N, W into

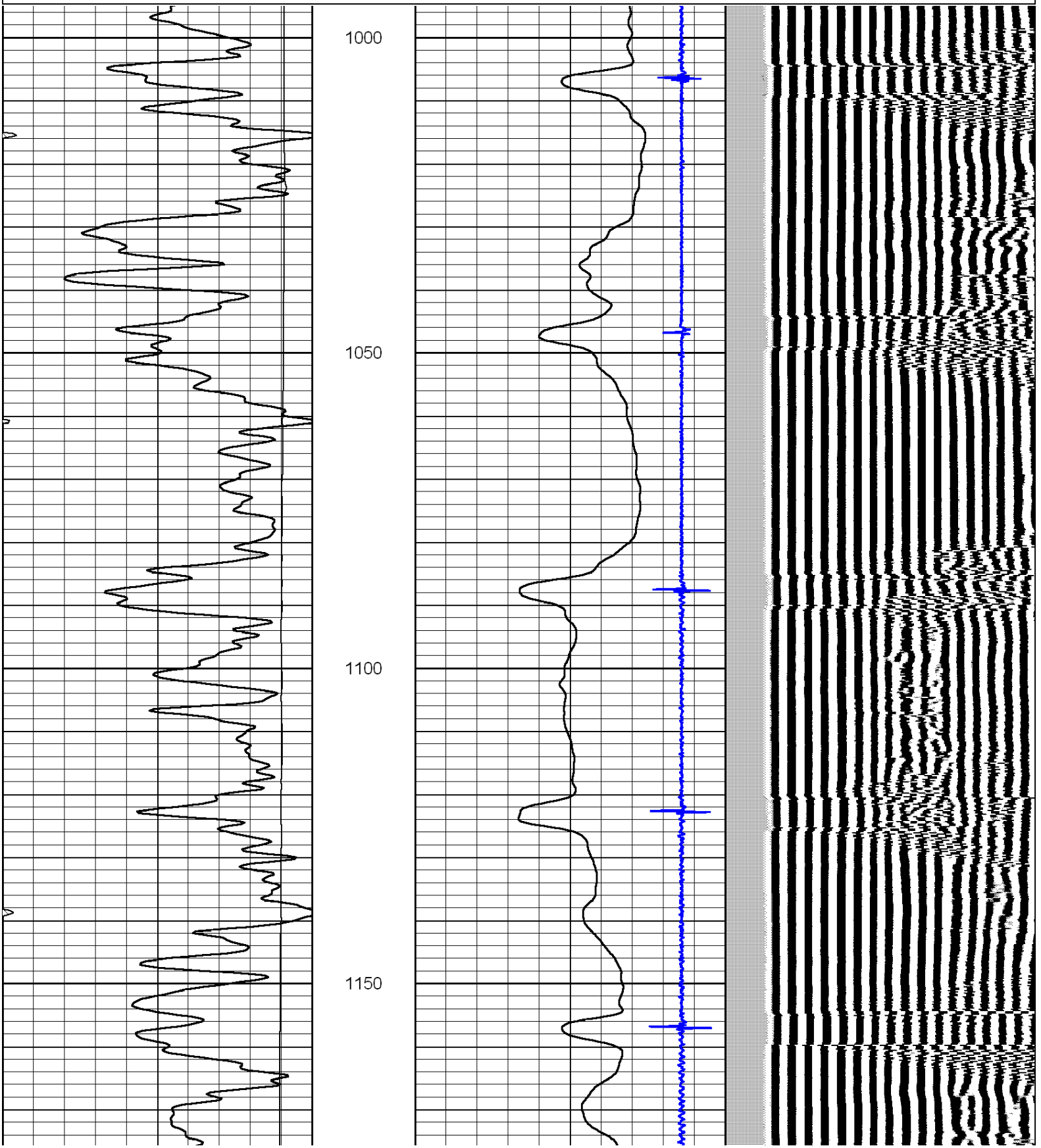
PIONEER

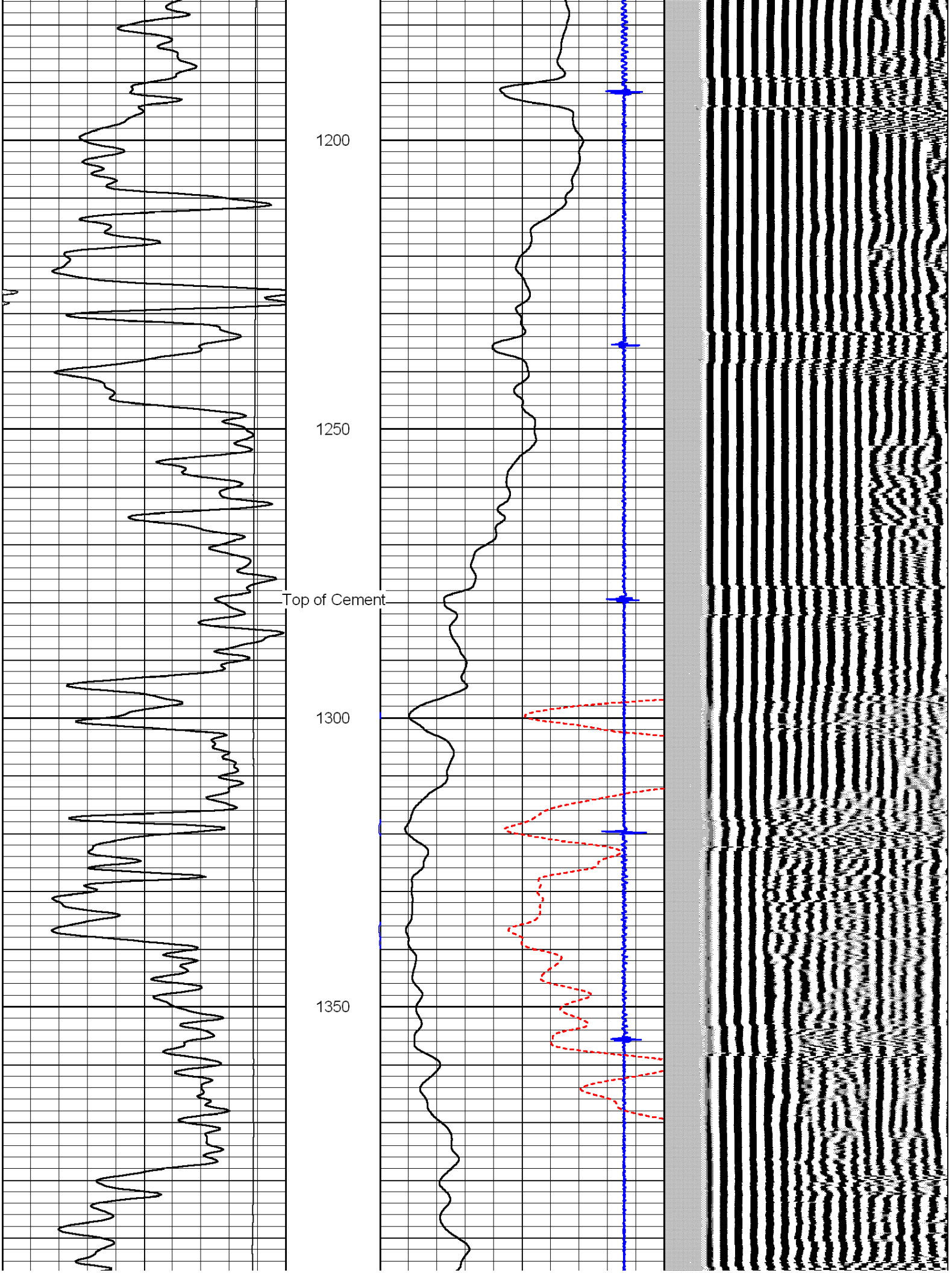
Main Pass

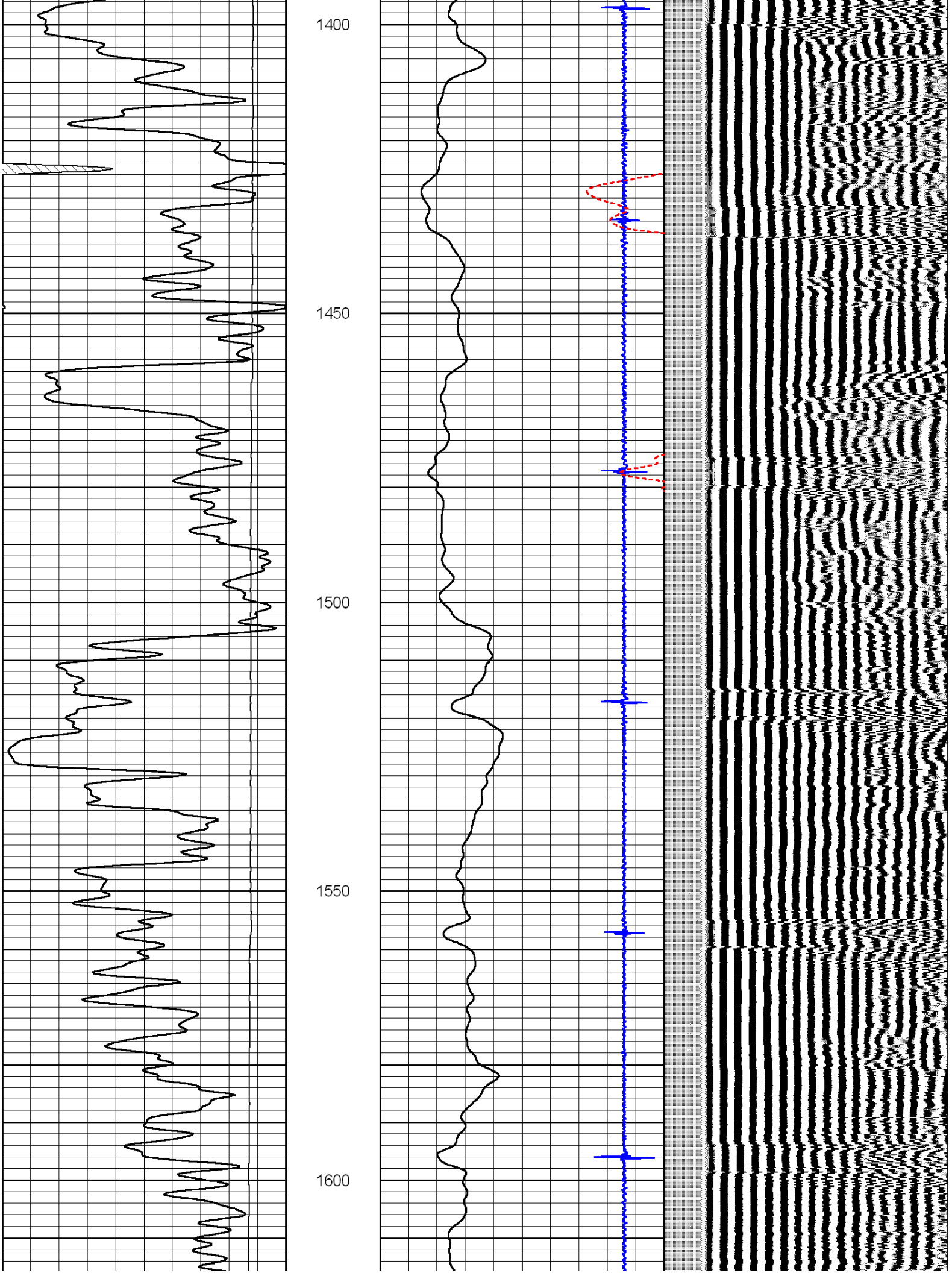
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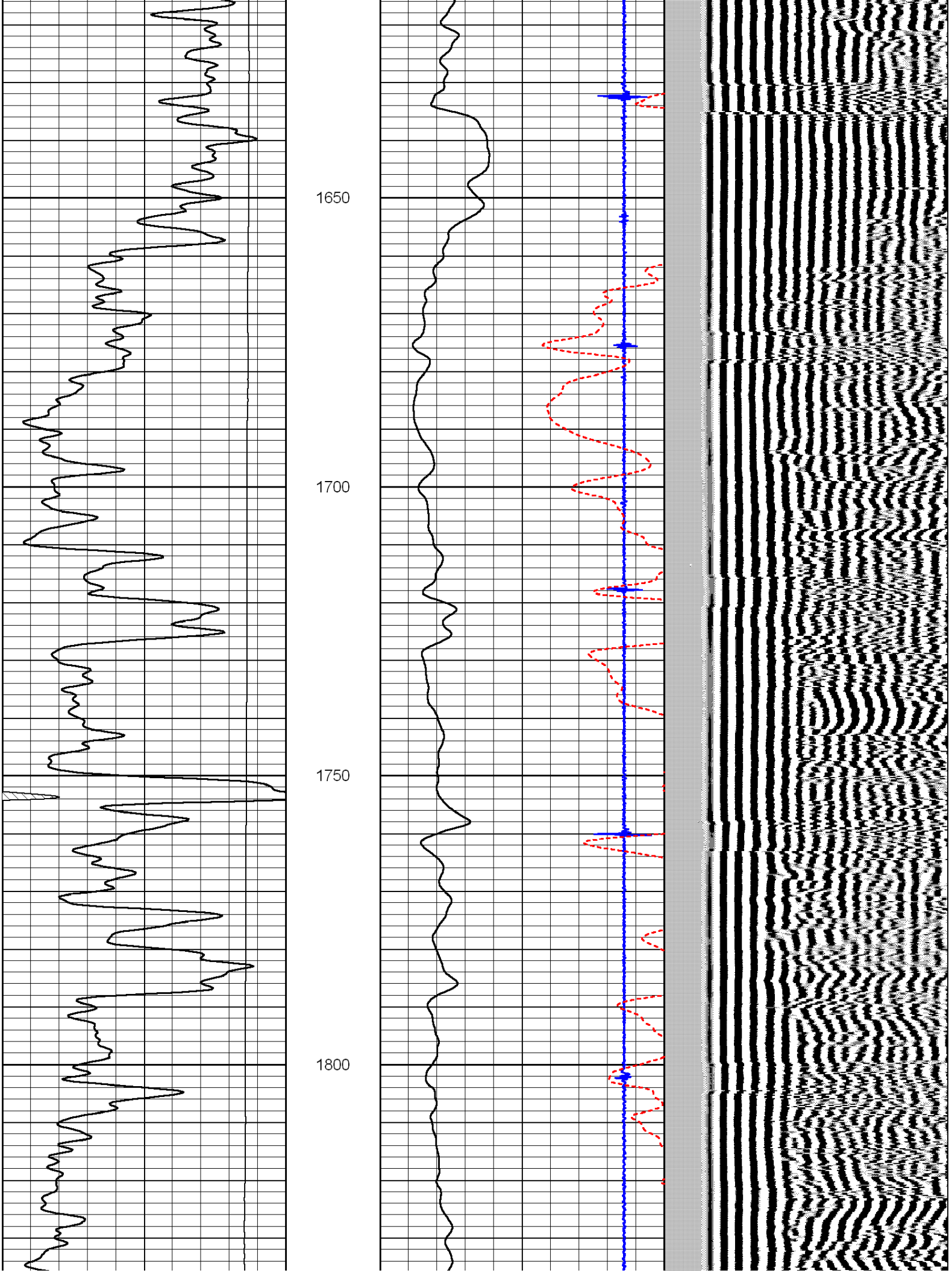
Database File:	anstine.db
Dataset Pathname:	grcbl/pass4
Presentation Format:	cbldr_ti
Dataset Creation:	Mon Aug 16 09:50:05 2010 by Log Std Casedhole 06040
Charted by:	Depth in Feet scaled 1:240

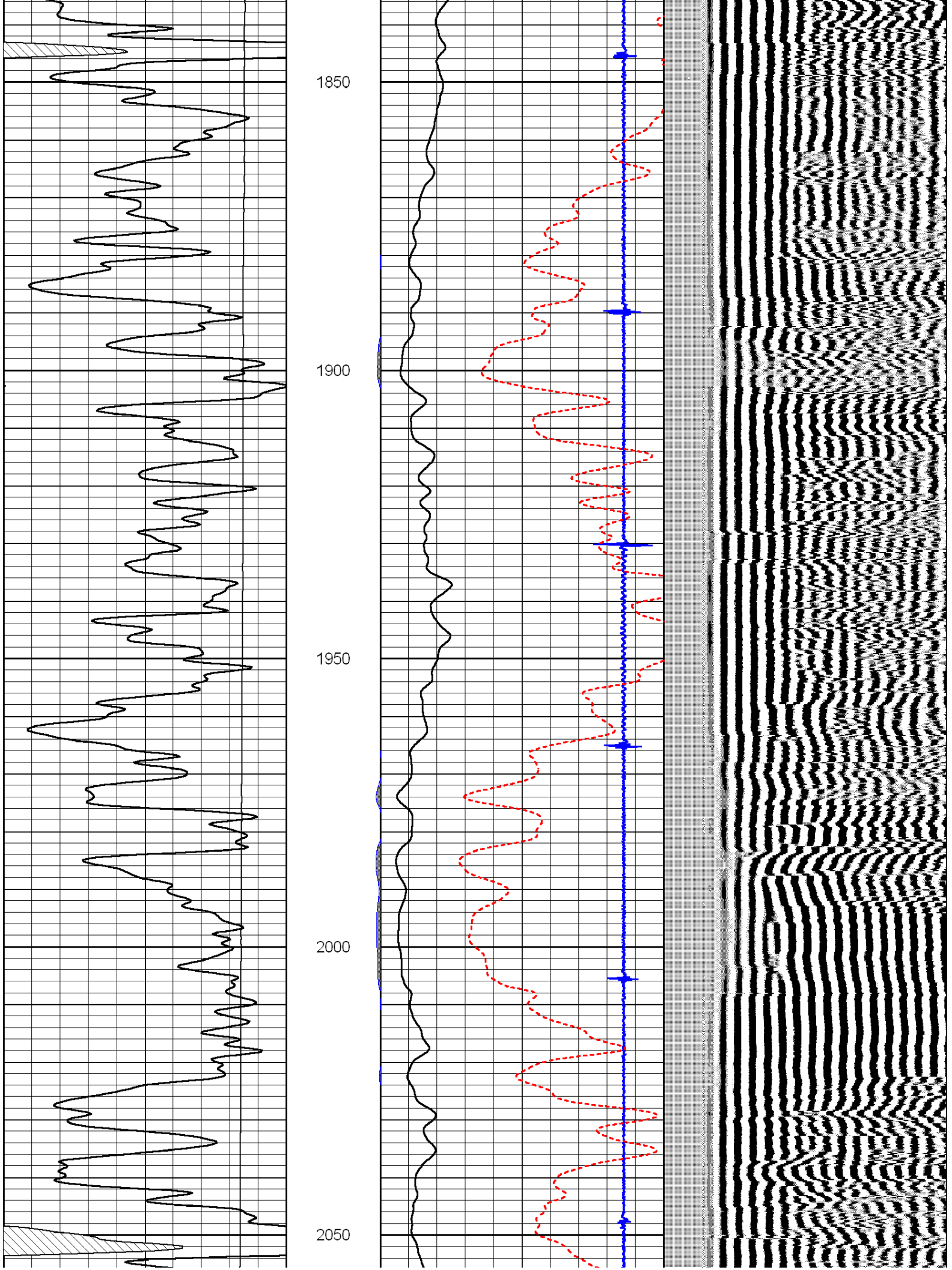
0	Gamma Ray	150	AMP3ft	3	Casing Collars	-0.5	250	Variable Density	1200
2000	LTEN (lb)	50	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			

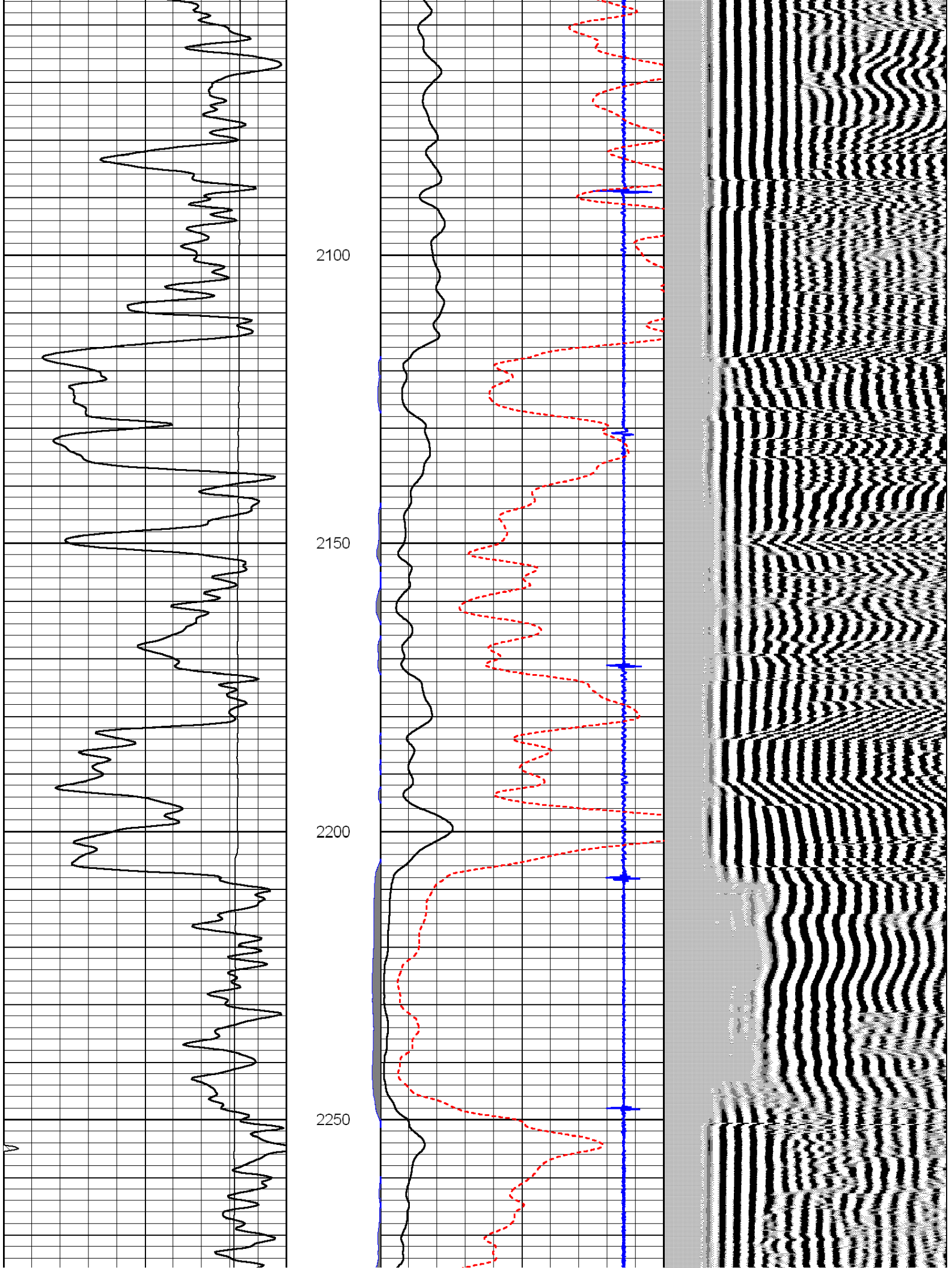


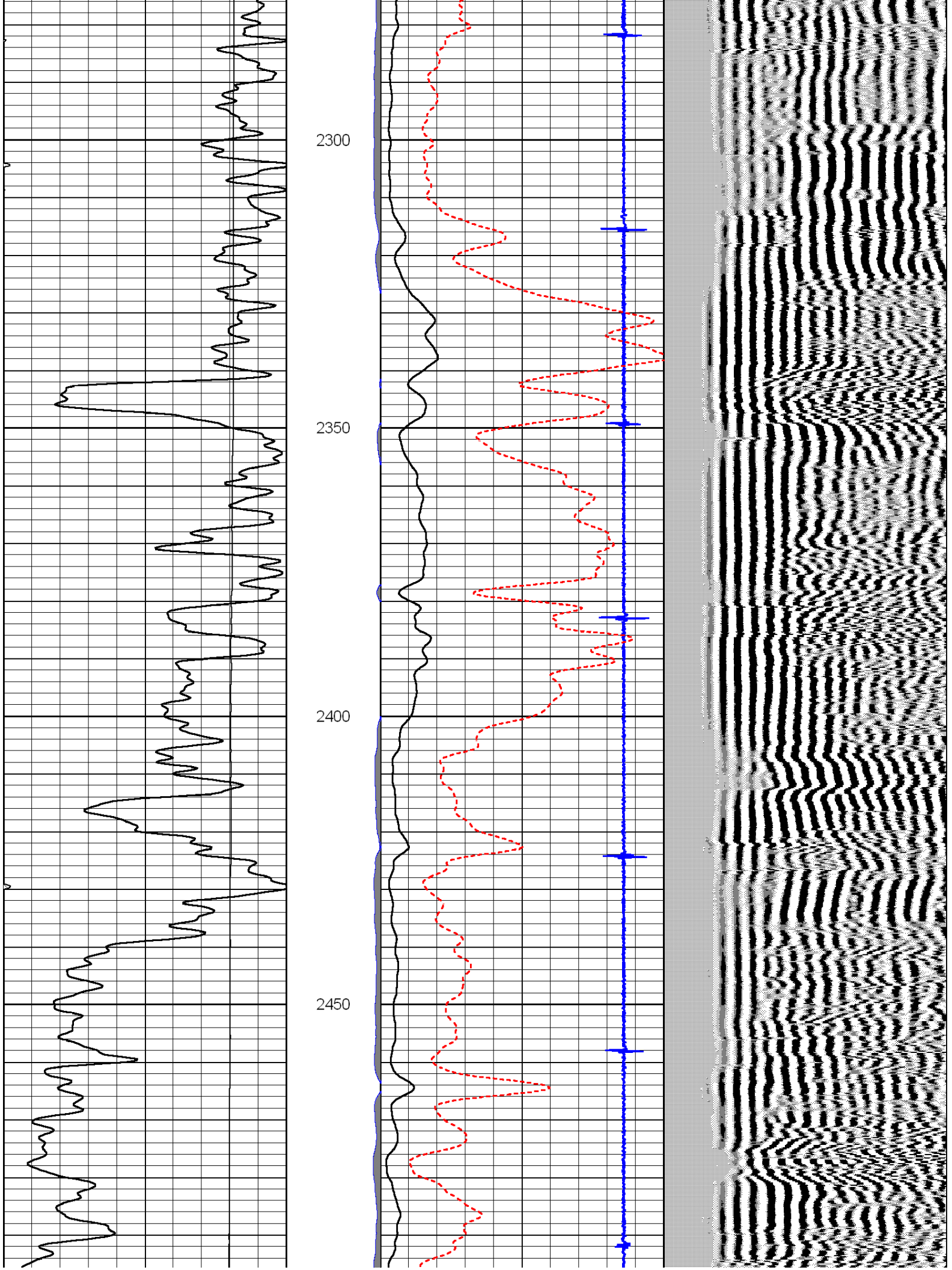

1200
1250
Top of Cement
1300
1350

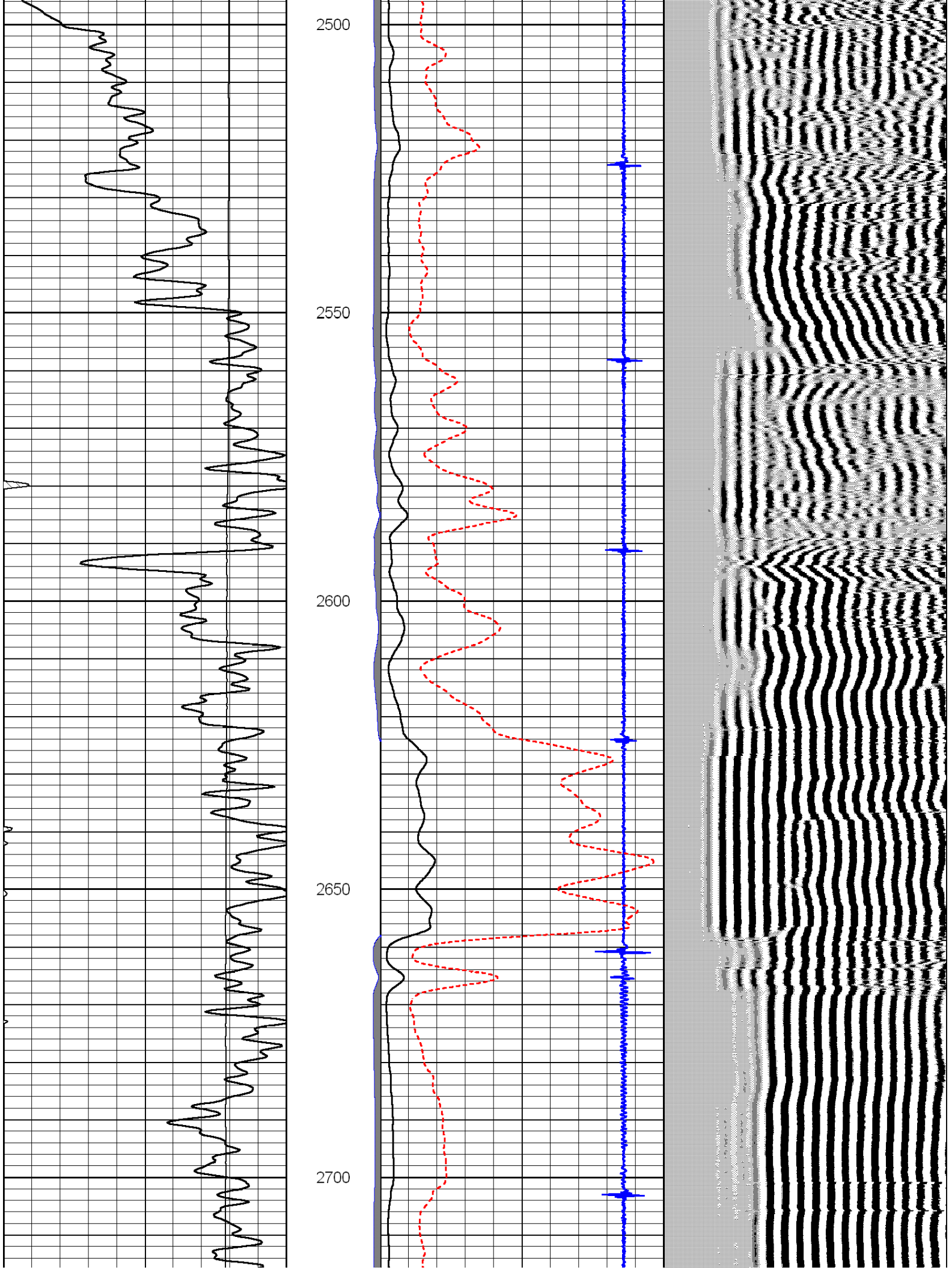

1400
1450
1500
1550
1600

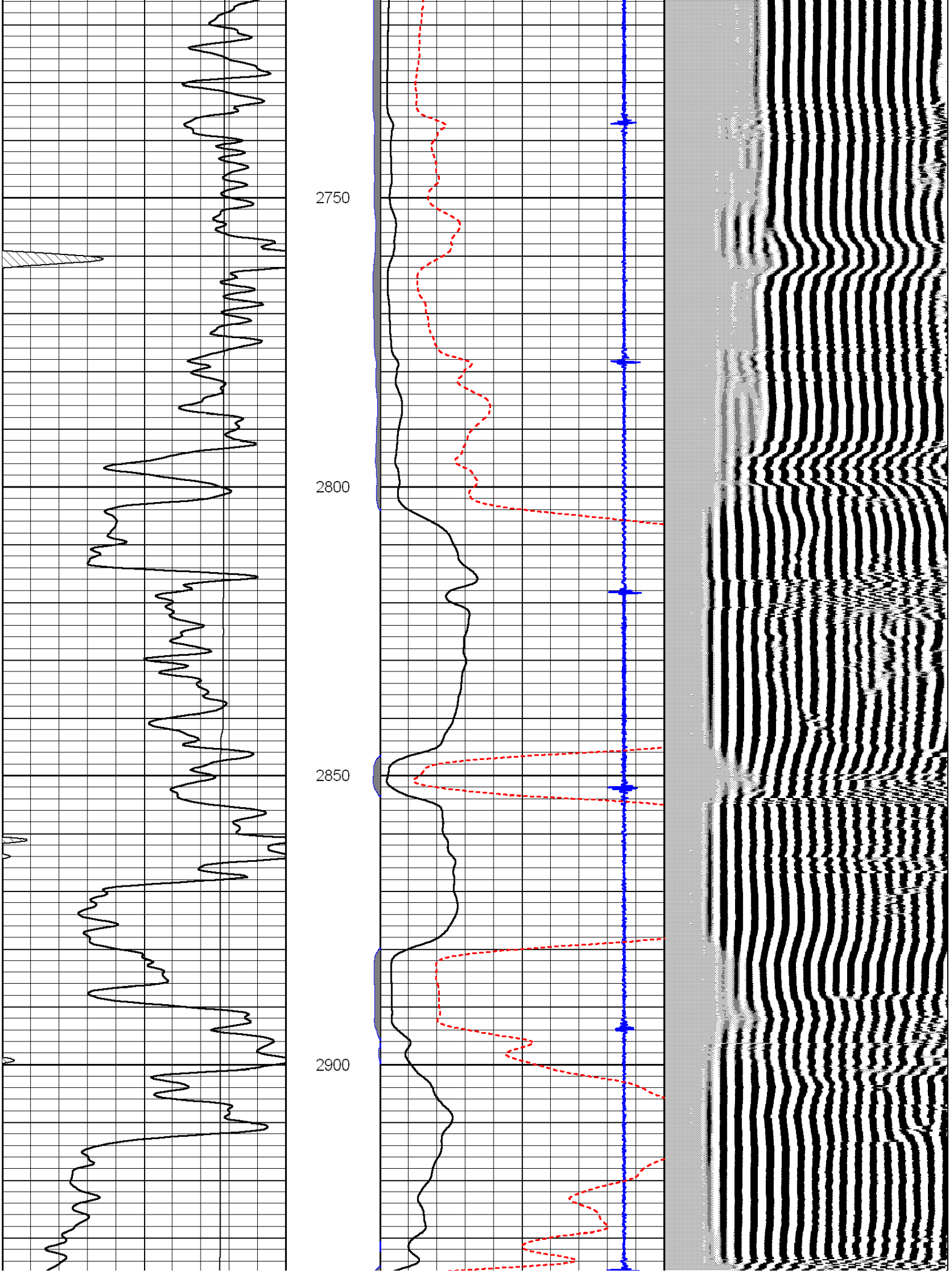

1650
1700
1750
1800

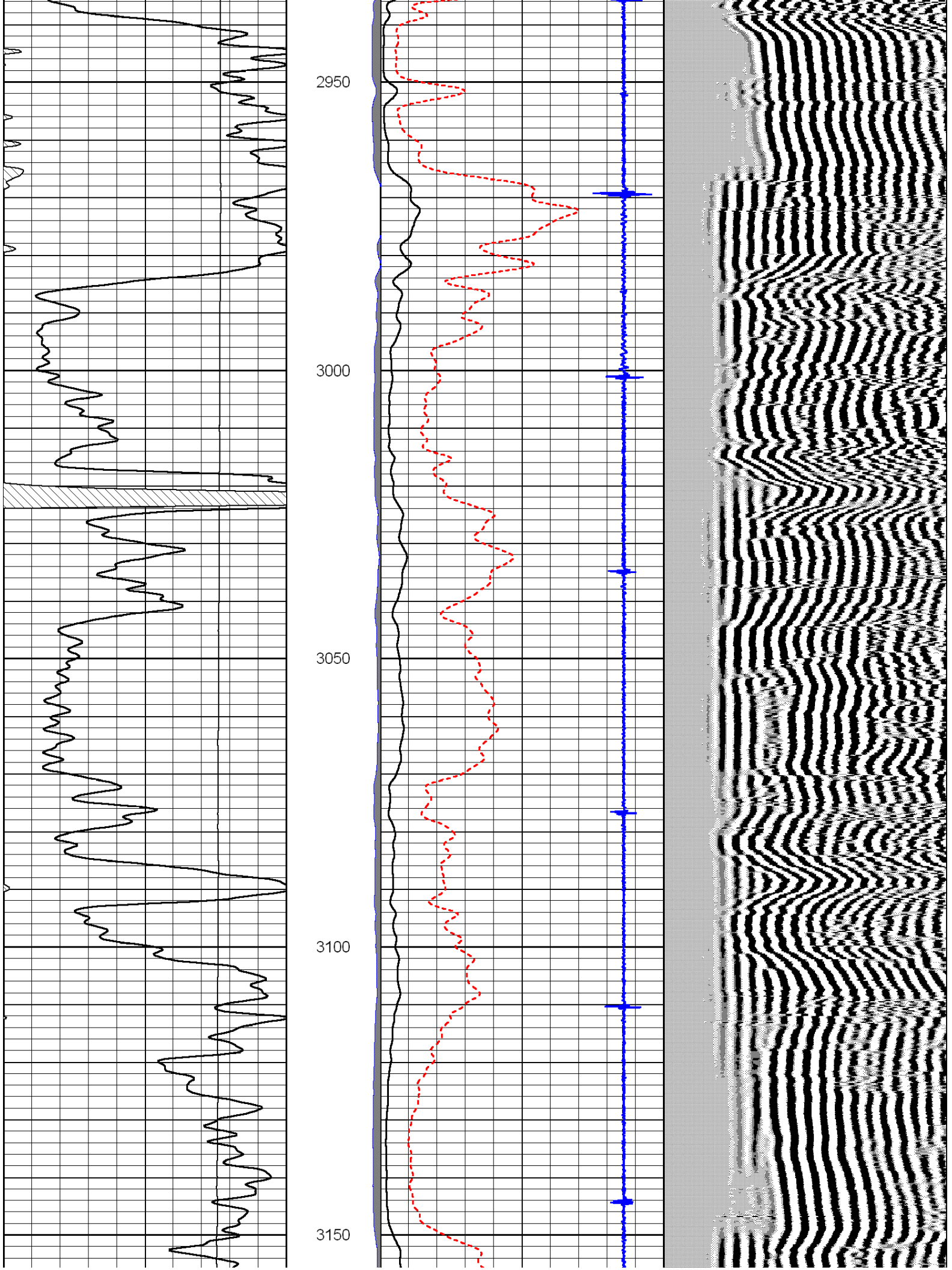

1850
1900
1950
2000
2050

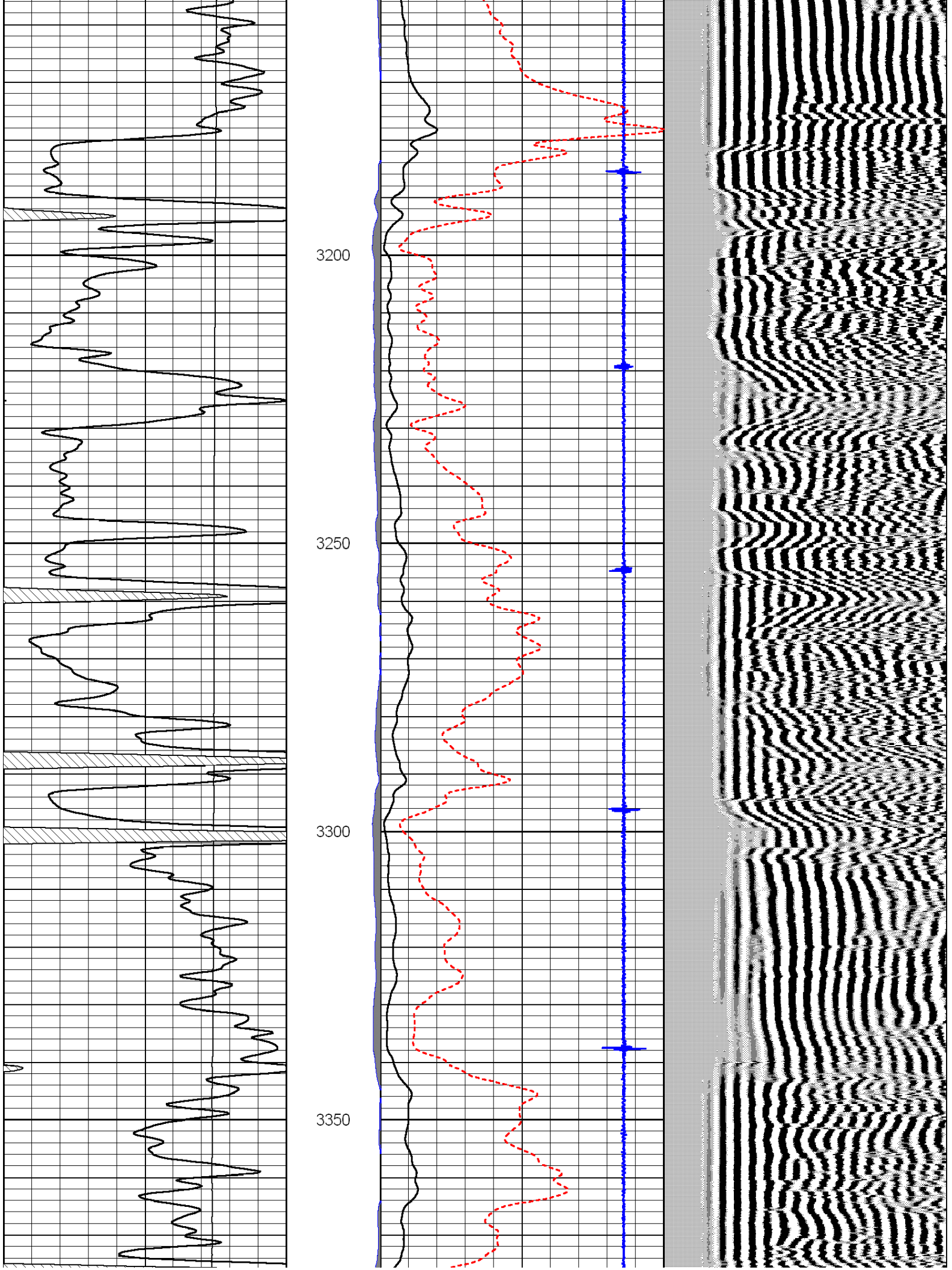

2100
2150
2200
2250

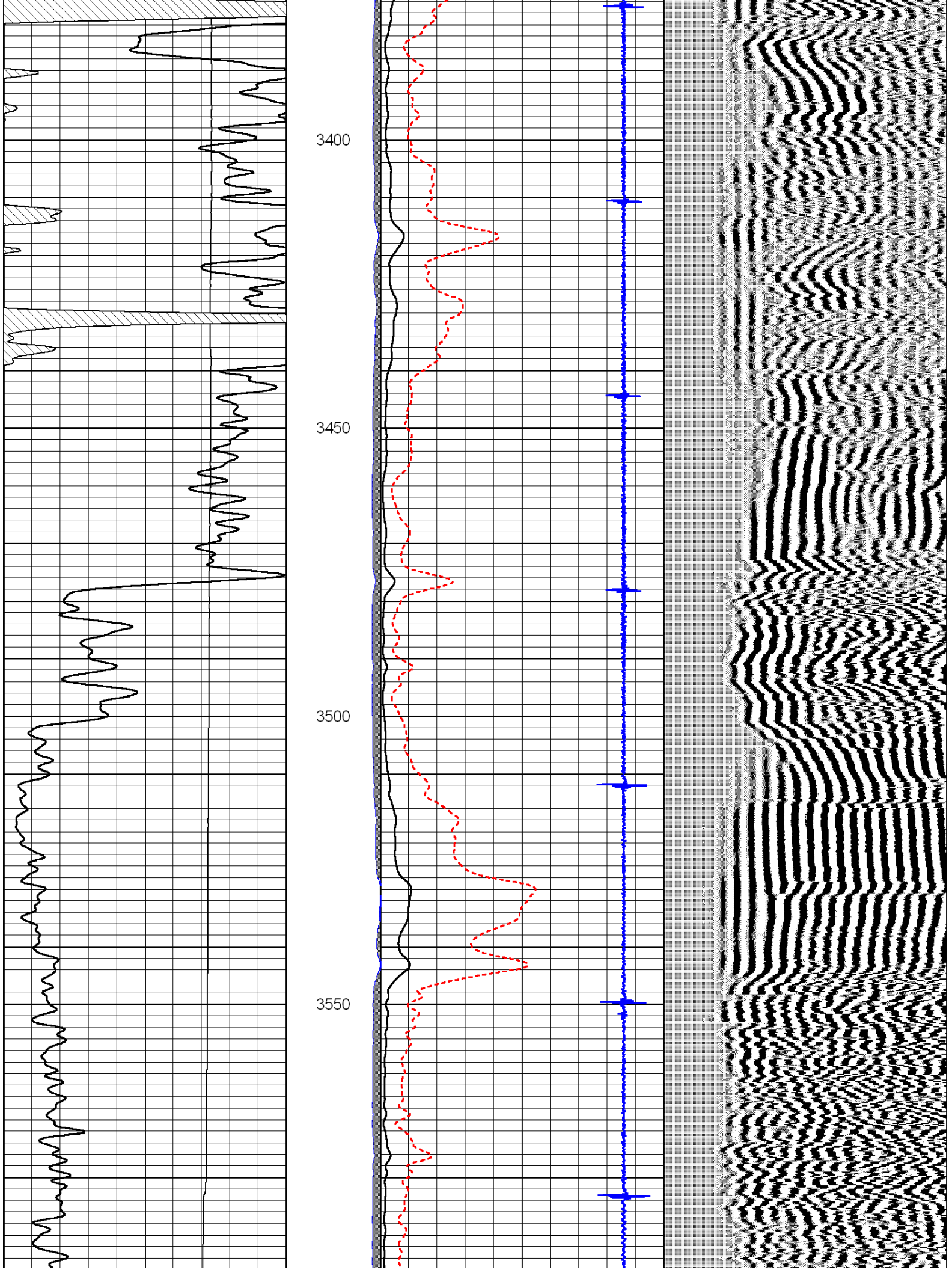

2300
2350
2400
2450

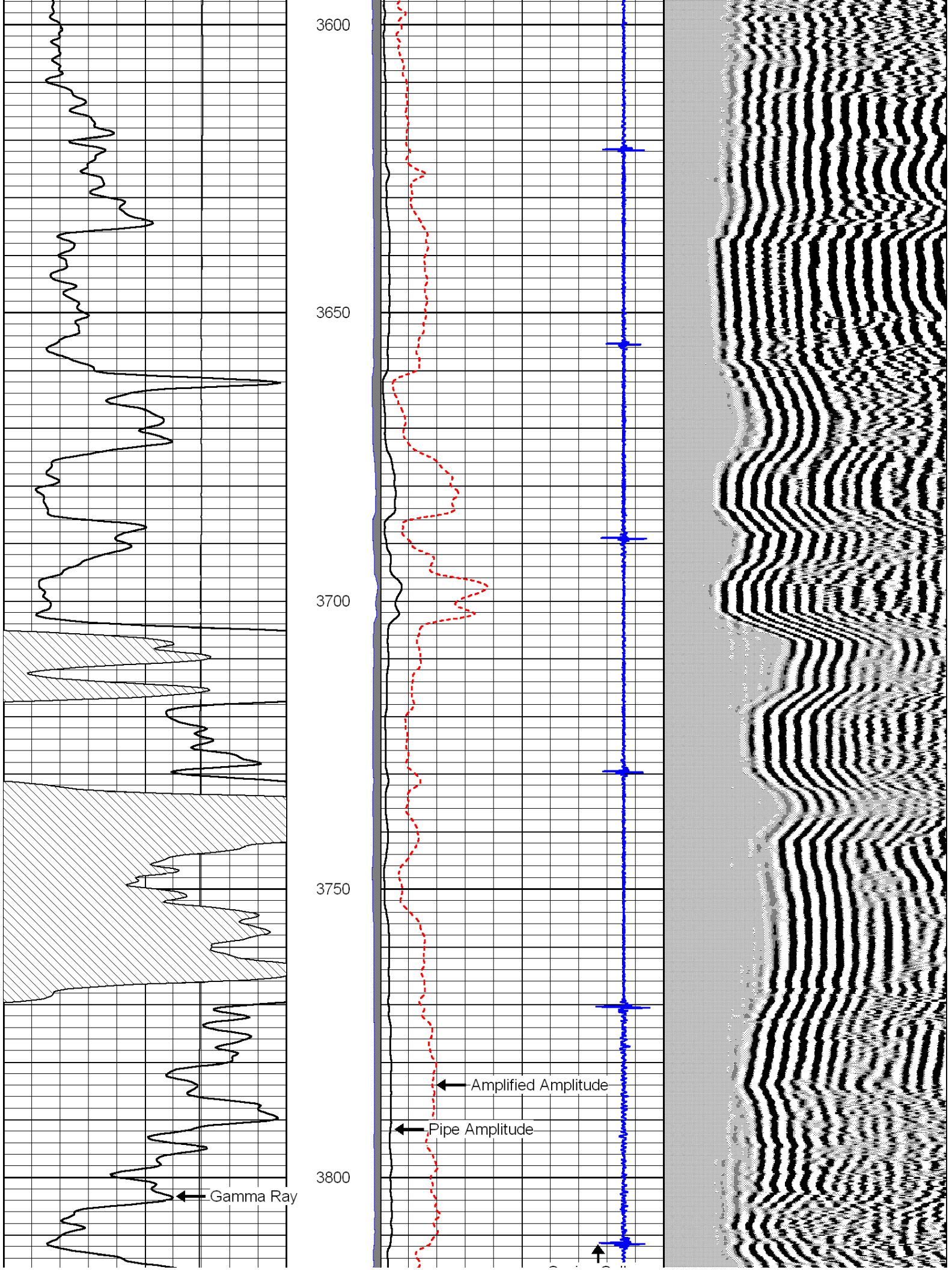

2500
2550
2600
2650
2700

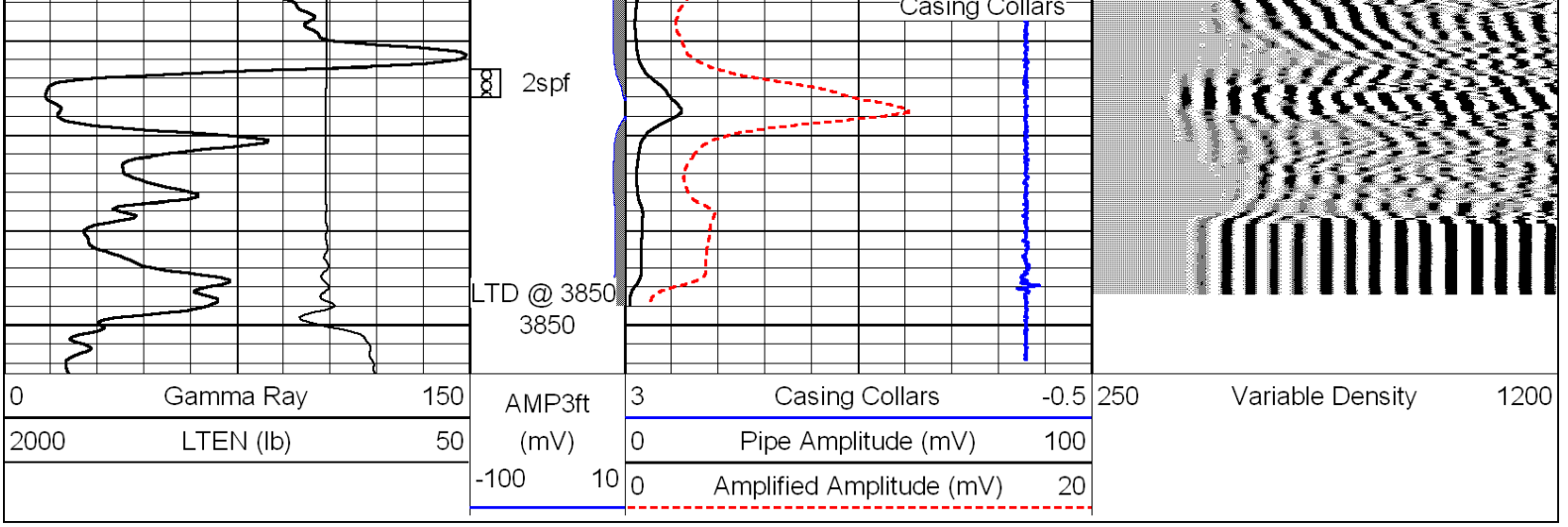

2750
2800
2850
2900


2950
3000
3050
3100
3150


3200
3250
3300
3350


3400
3450
3500
3550


3600
3650
3700
3750
3800
Amplified Amplitude
Pipe Amplitude
Gamma Ray

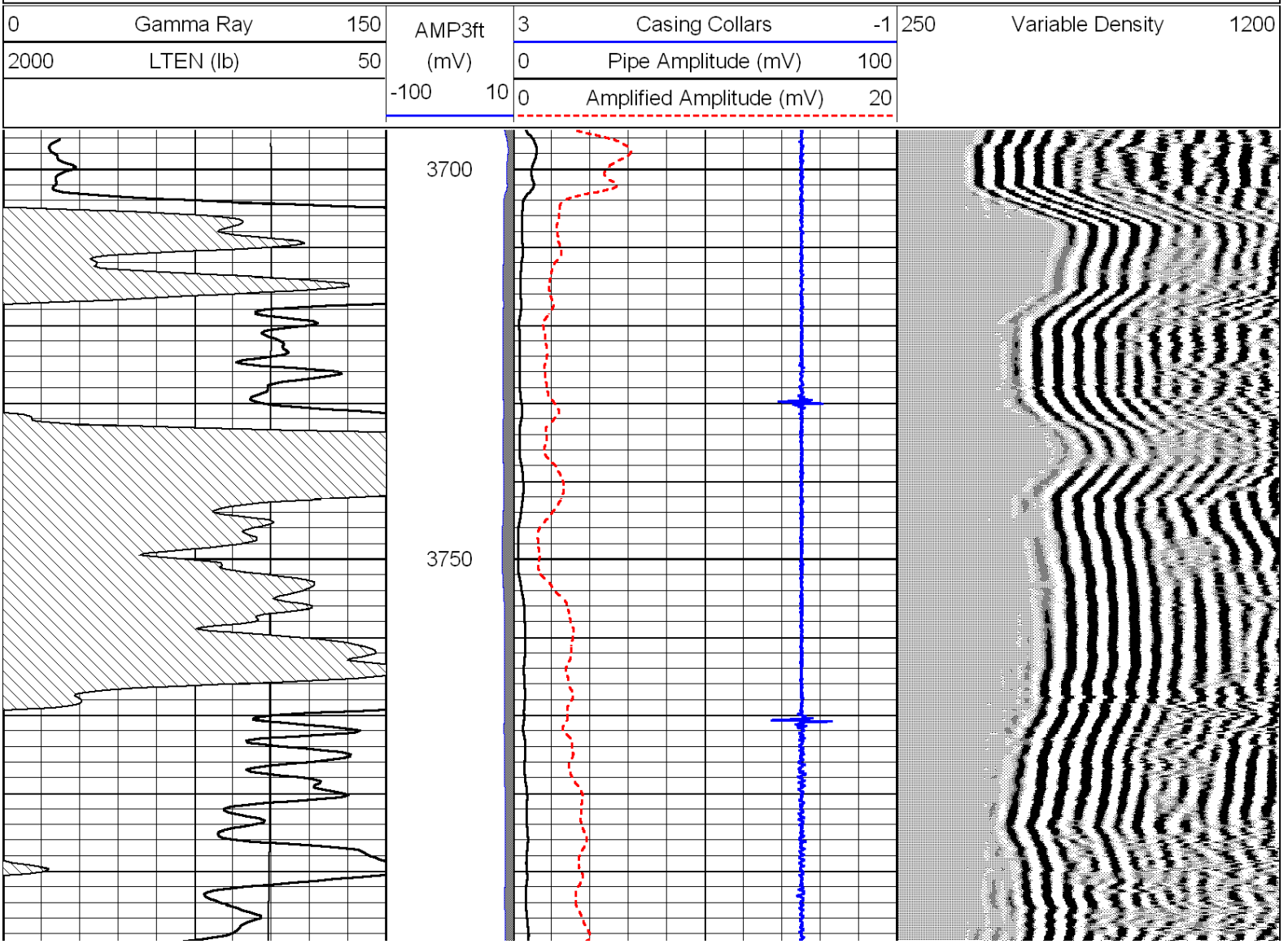


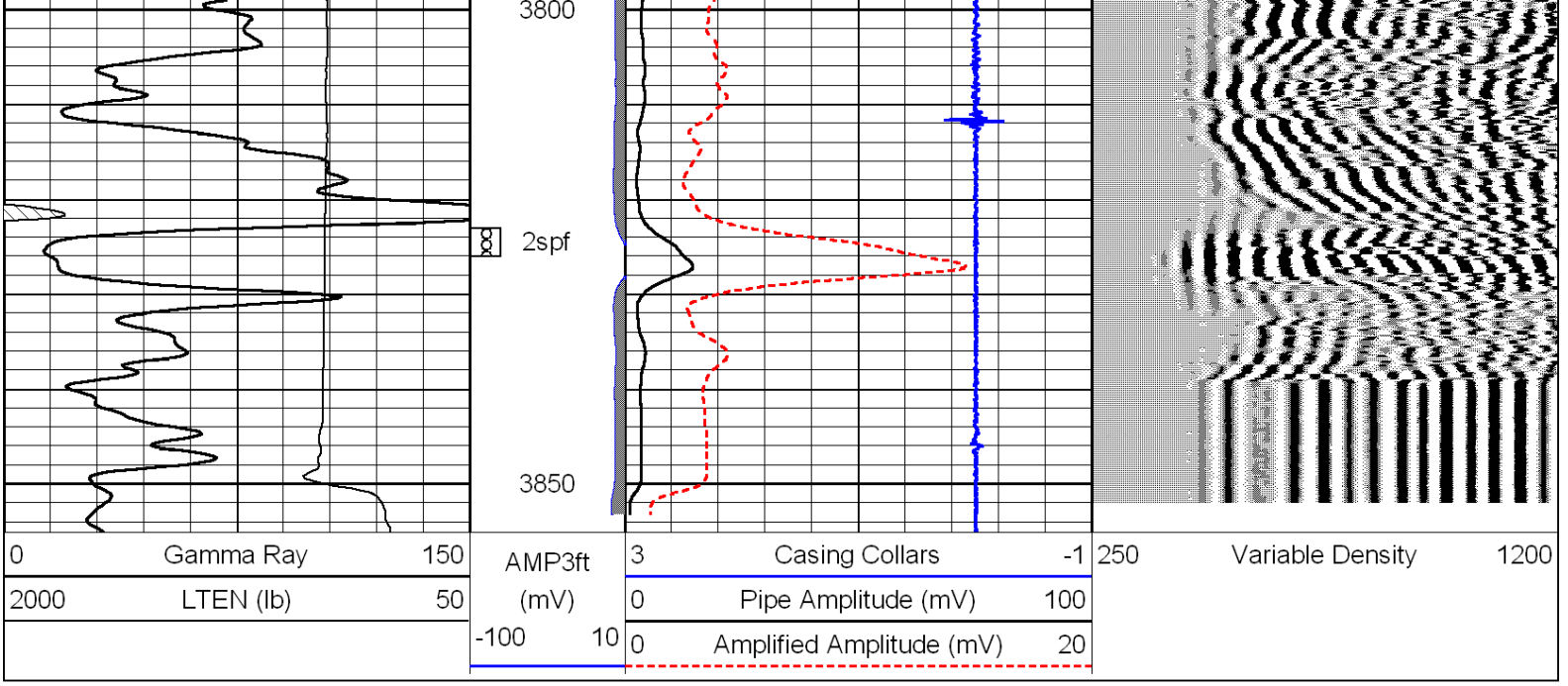
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Repeat Section

Database File: anstine.db
Dataset Pathname: grcbl/pass3
Presentation Format: cbldr_ti
Dataset Creation: Mon Aug 16 09:46:35 2010 by Log Std Casedhole 06040
Charted by: Depth in Feet scaled 1:240




3800
2spf
3850
0
Gamma Ray
150
2000
LTEN (lb)
50
AMP3ft
(mV)
-100
10
3
Casing Collars
-1
0
Pipe Amplitude (mV)
100
0
Amplified Amplitude (mV)
20
250
Variable Density
1200