



**Sonic Cement
Bond Log**

Pioneer Energy Services

API No.

15-015-24008-00-00

Company **Tri Powers Resources LLC.**

Well **Bluestem NO. 9**

Field **Joseph Southeast**

County **Butler** State **Kansas**

Location

2310' FSL & 3070' FEL

Other Services

Perf @ 2559-86

Sec: 20 Twp: 24 S Rge: 5 E

Elevation

Permanent Datum Ground level Elevation 1433
 Log Measured From Kelly Bushing 7' Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

K.B. 1440
 D.F. 1439
 G.L. 1433

Run Number	One	
Date Survey	1/28/2014	
Date Cementing	12/17/2013	
Type Cementing Operation	Primary	
Depth Driller	2690	
Depth Logger	2660	
Logged Interval	2660 to 800	
Casing Driller	5.5" @ T.D.	@
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	1140	
Calculated Cement Top	////	
Max. Hole Temperature	105	
Tool No.	RBT 4-Shop	
Spacing Recorded	3-5	
Equipment -- Location	12	A Drilling Hays
Recorded By		Mr. Gary Reed
Witnessed By		

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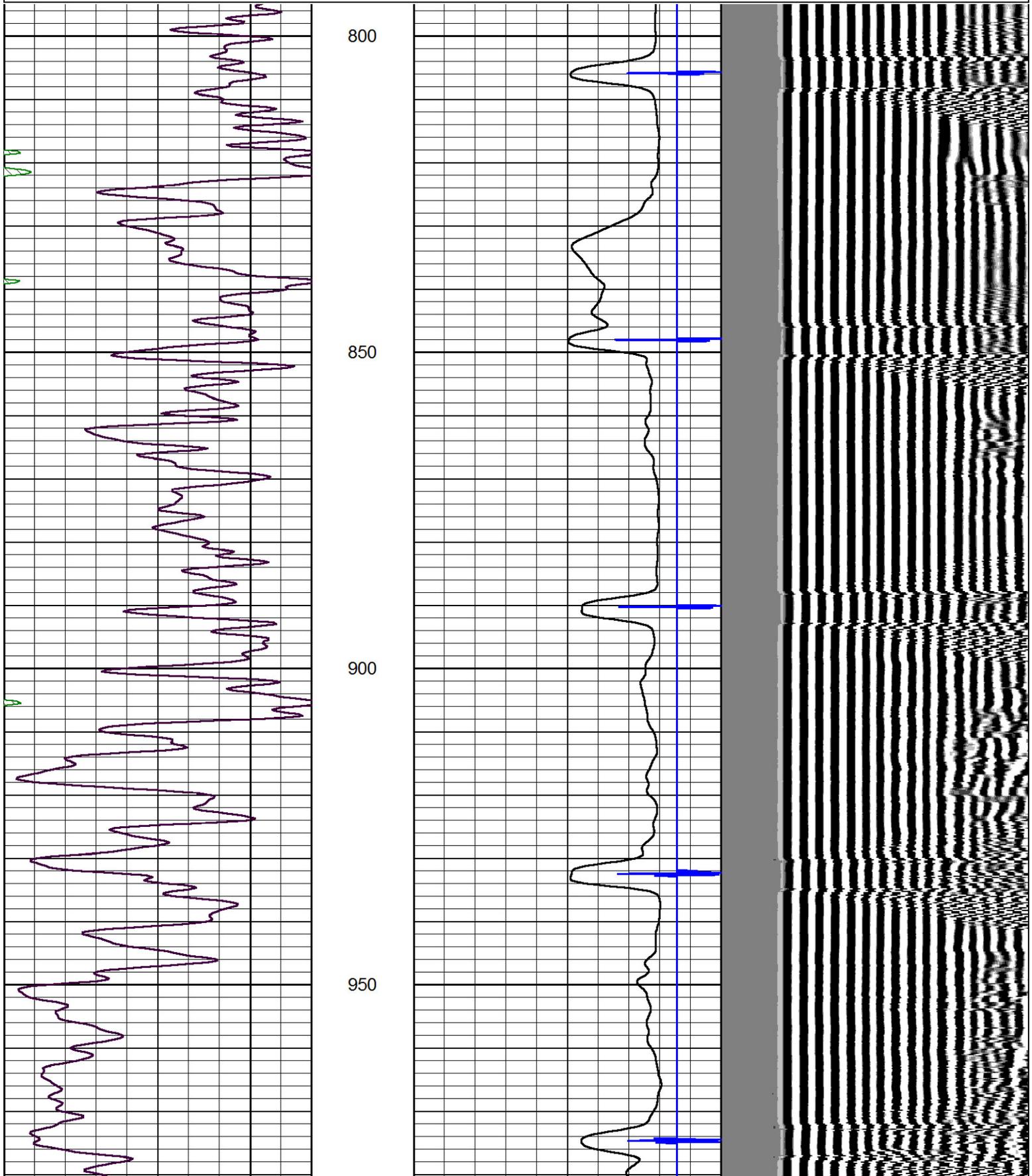
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

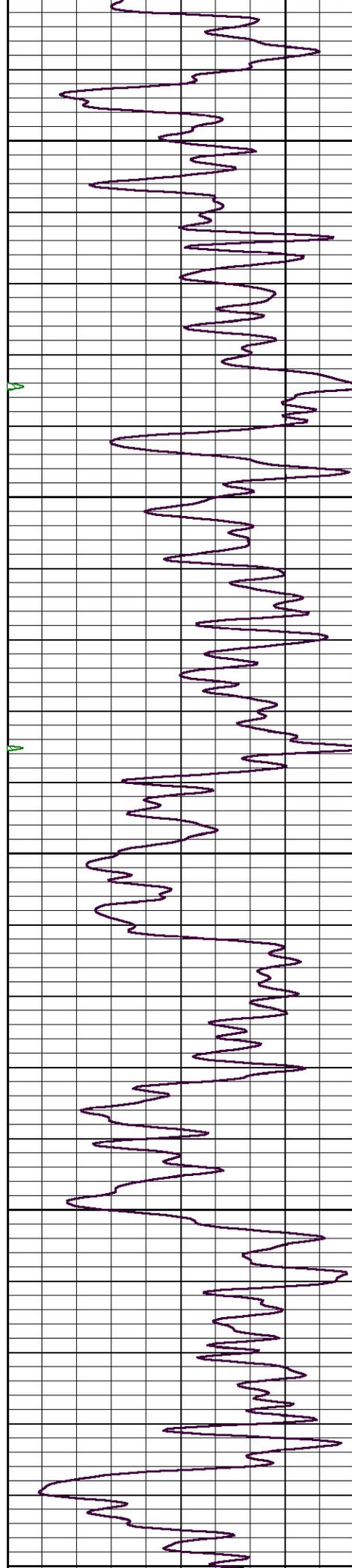
Comments

Thank you for using Pioneer Energy Services
 785.625.3858
 Newton Ks.,
 E on First Street to HWY.77,
 S to 75 Rd.,3 W,
 N Into @ cattle Guard

Database File: tri-powers-9.db
 Dataset Pathname: grcbl/pass3
 Presentation Format: cbldr
 Dataset Creation: Tue Jan 28 09:25:09 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	3	Casing Collars	-0.5	200	wvf5ft	1200
4000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100	10	0	Amplified Amplitude (mV)	20		





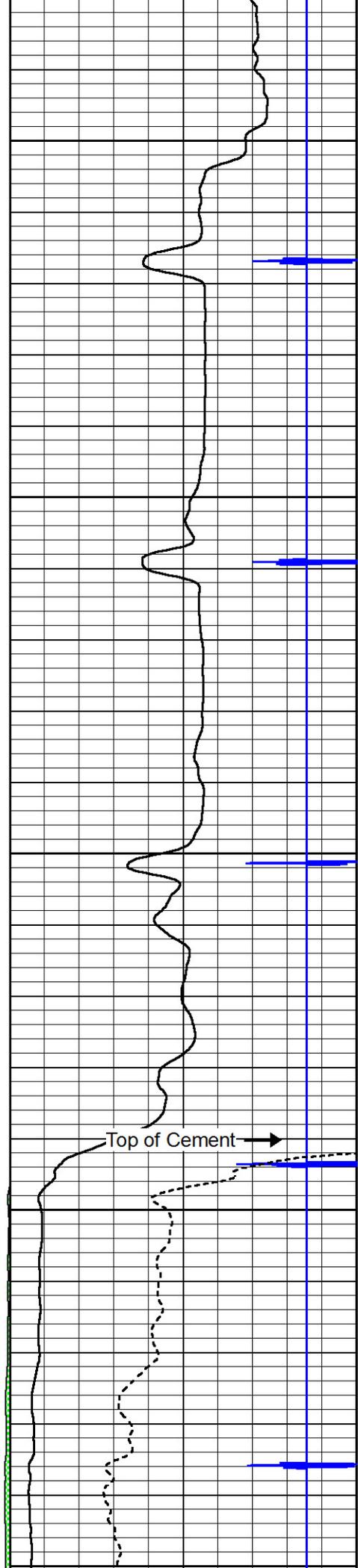
1000

1050

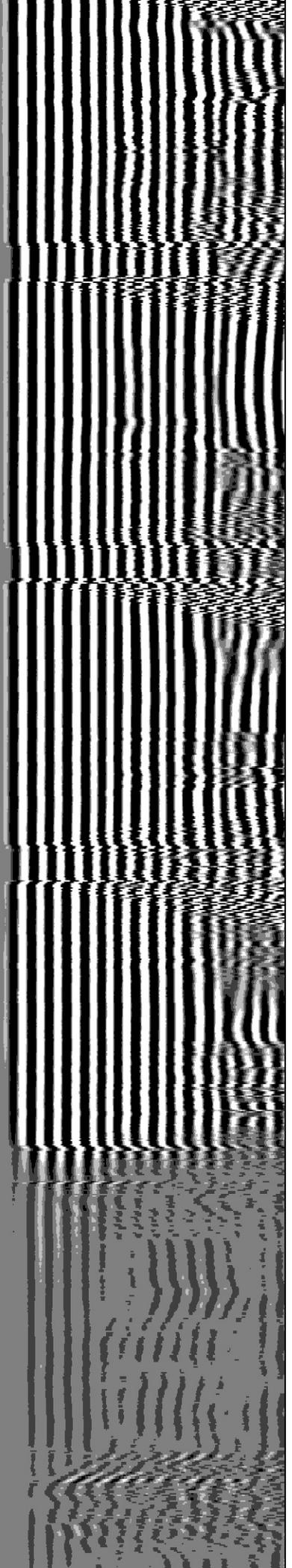
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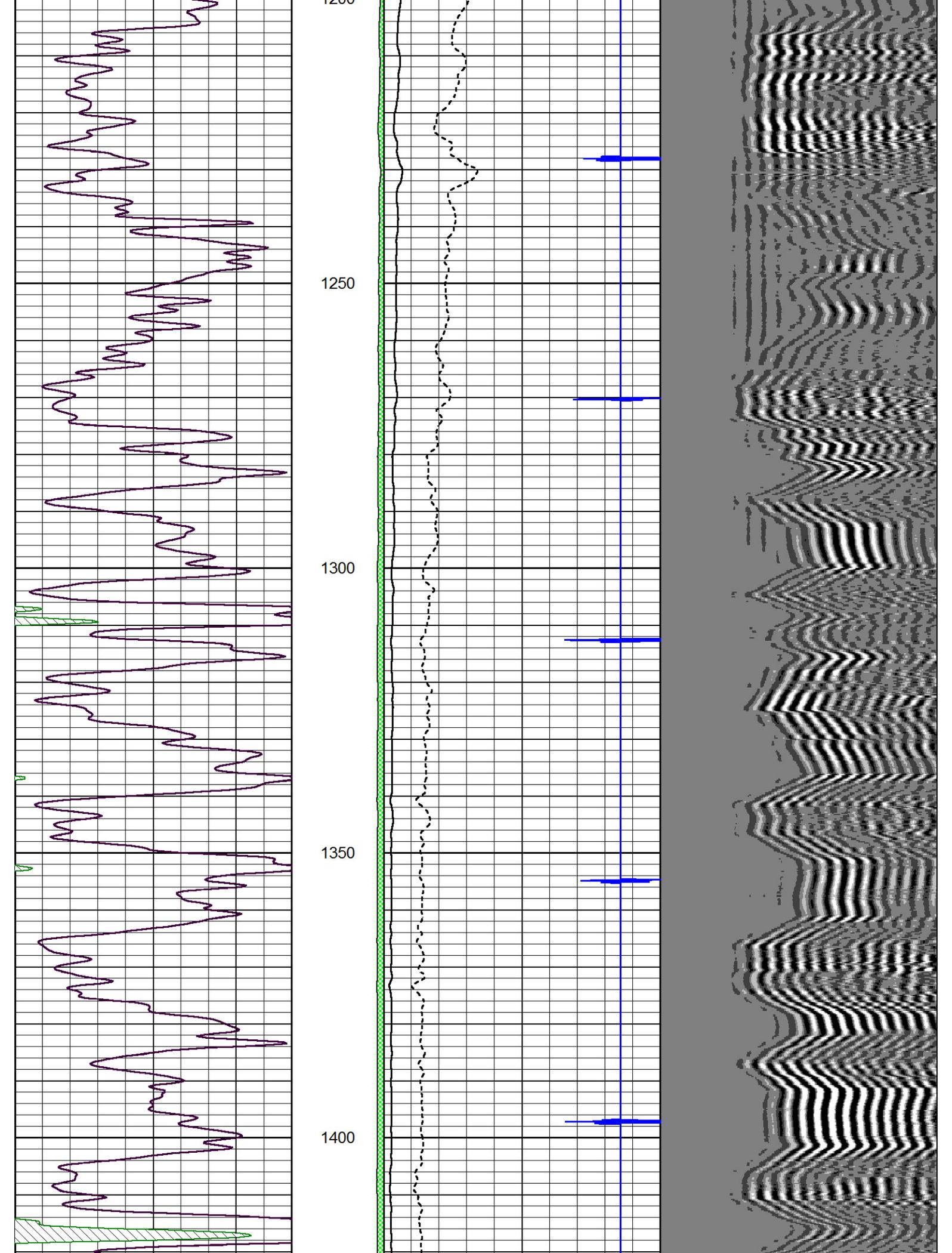
1150

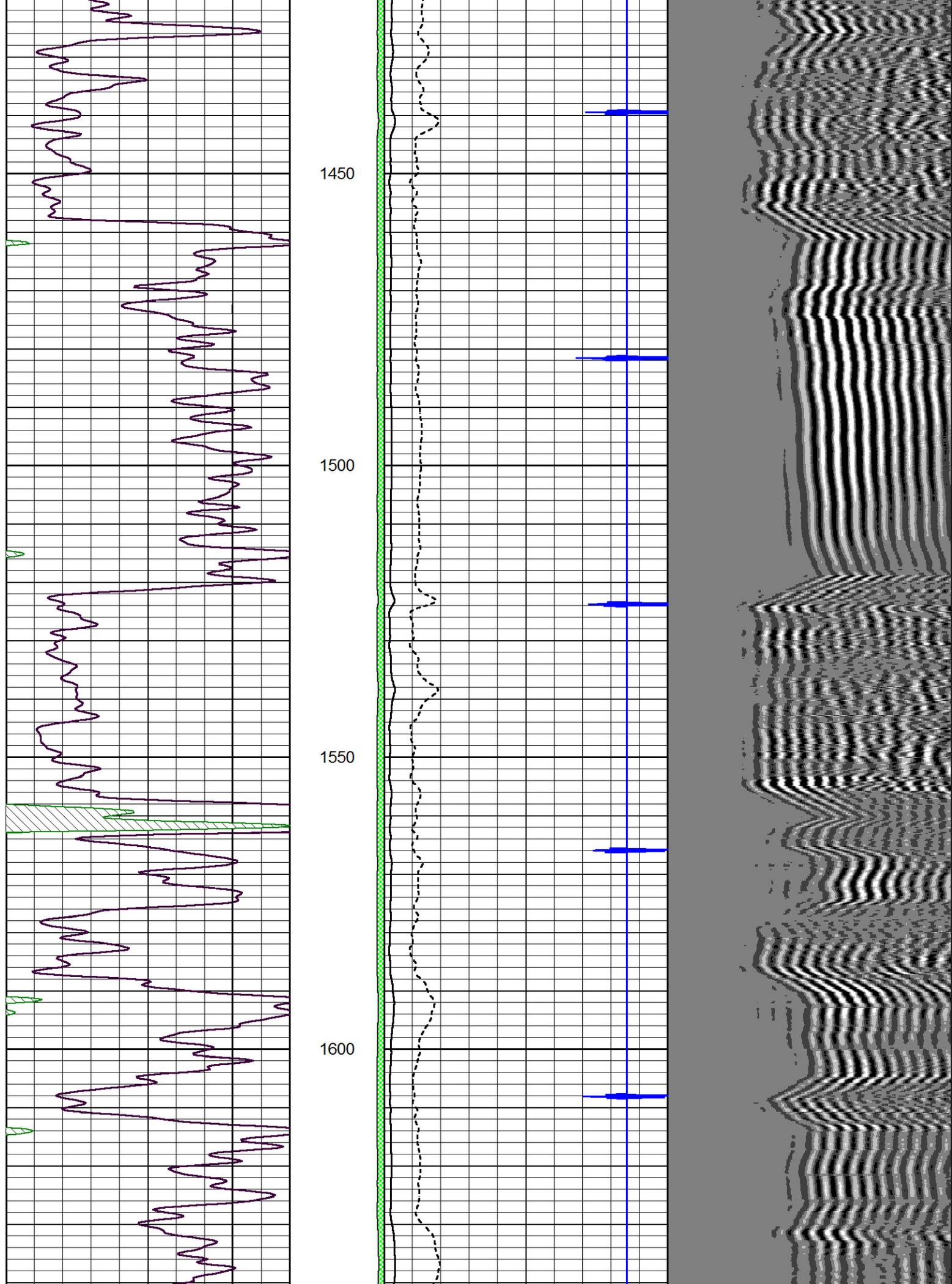
1200

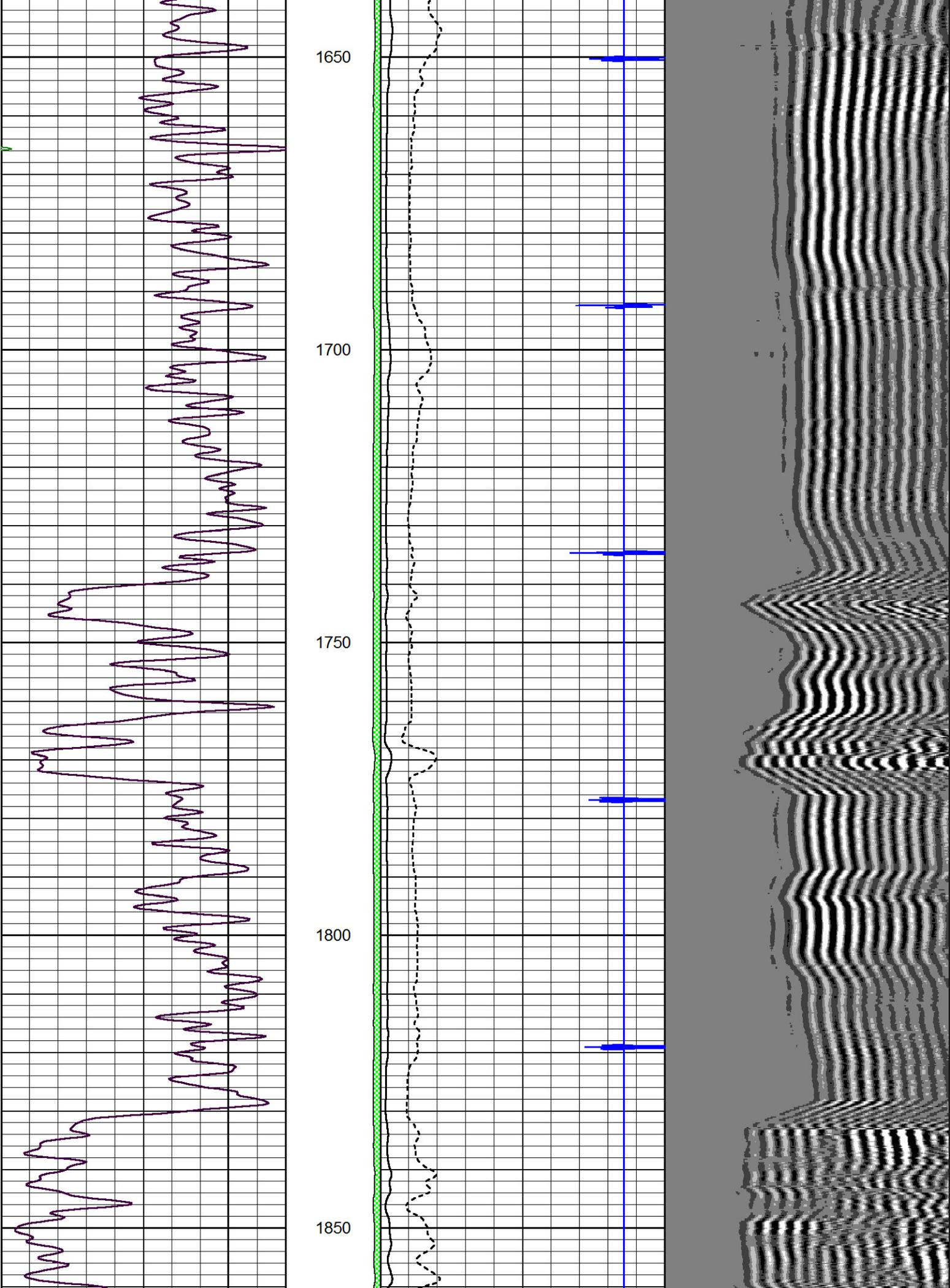


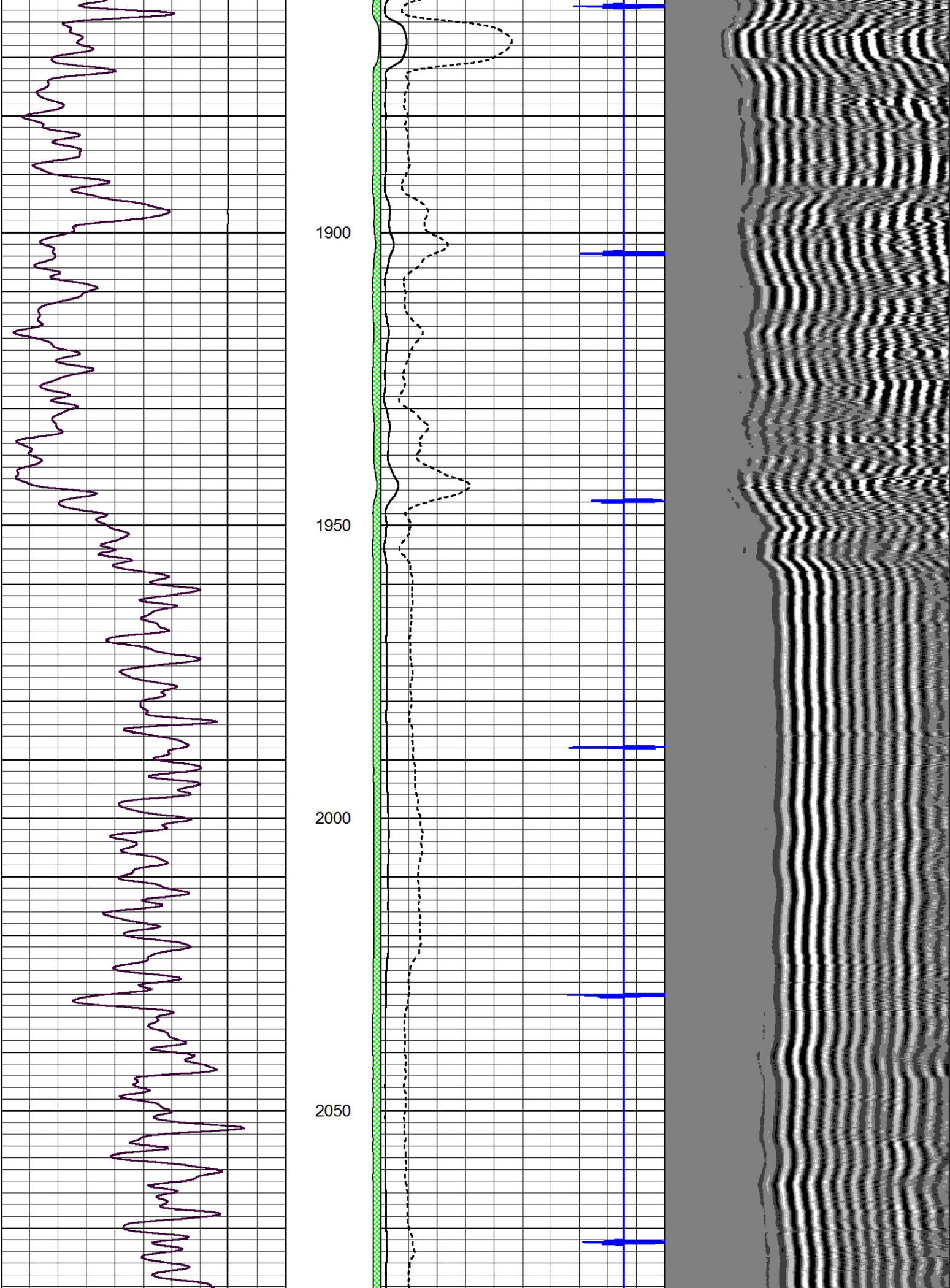
Top of Cement →

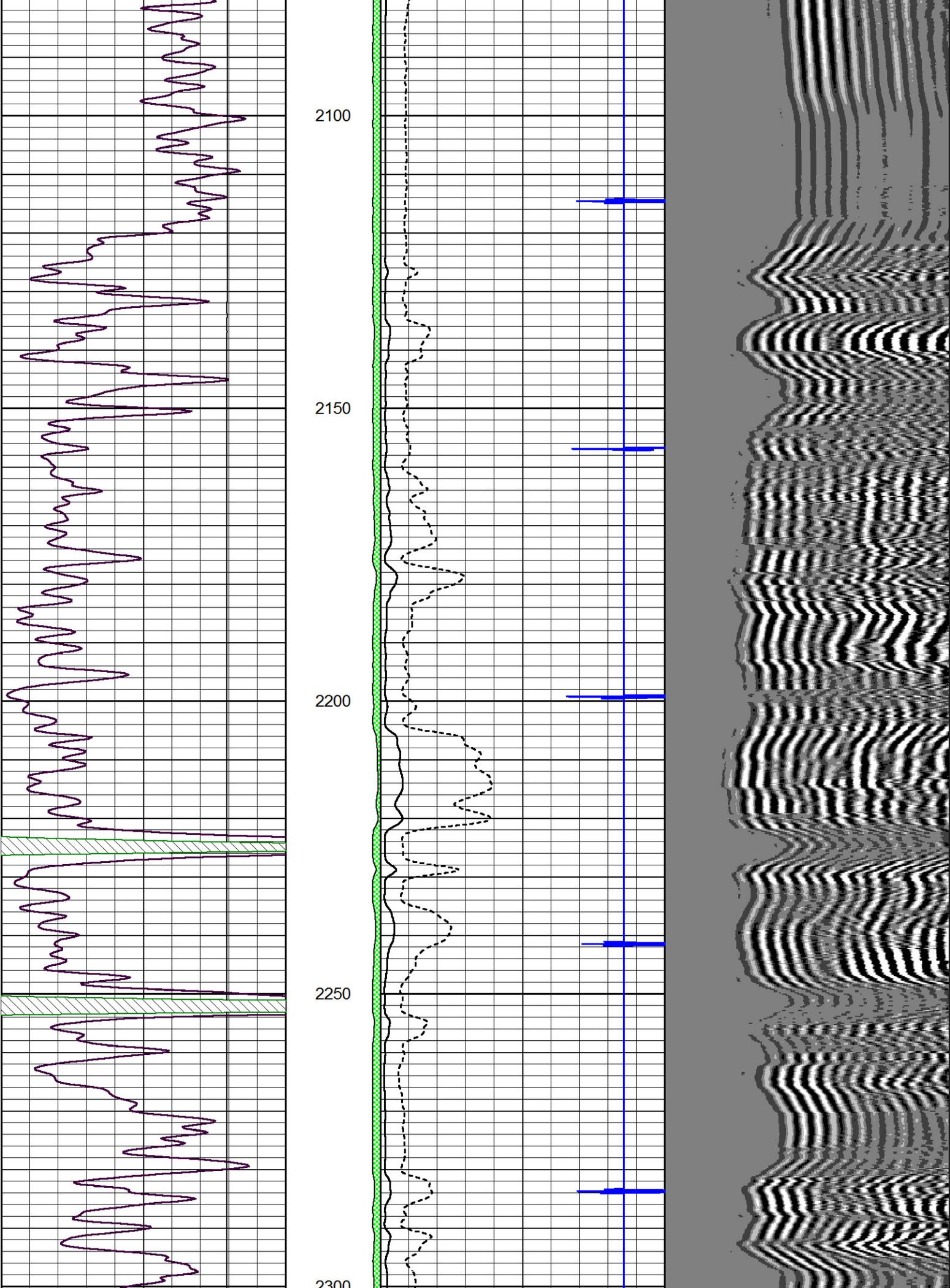


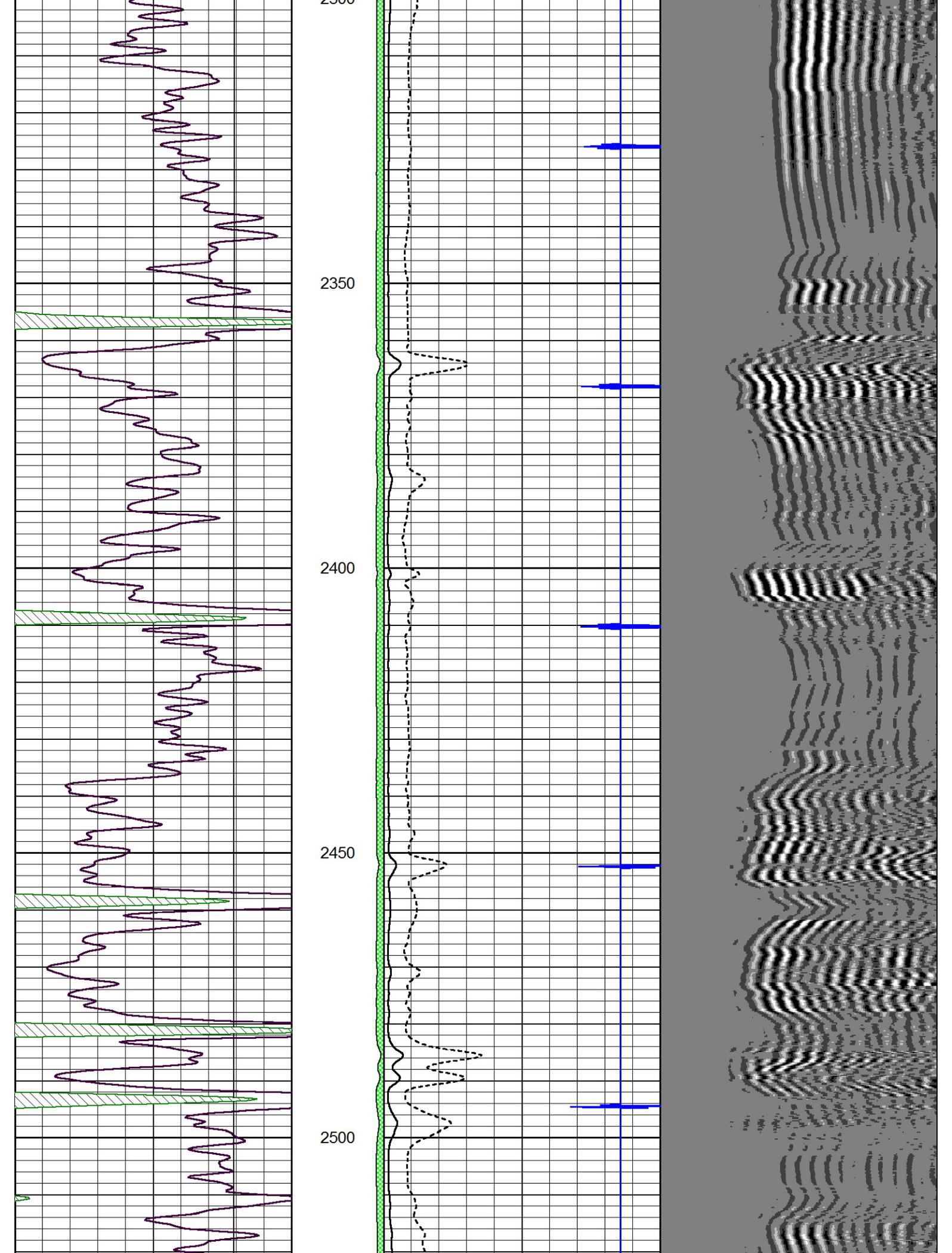


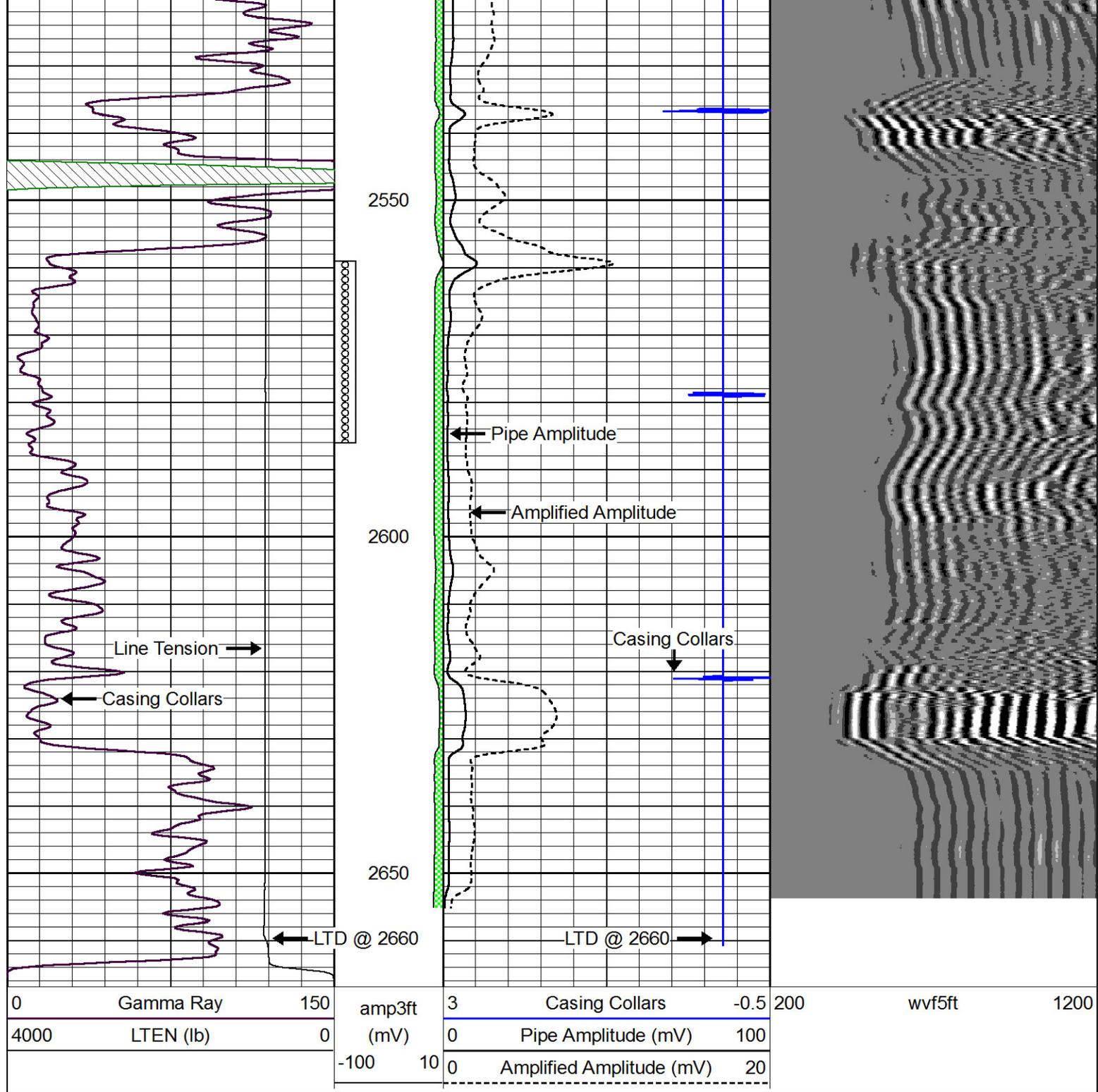












Repeat Section

Database File: tri-powers-9.db
 Dataset Pathname: grcbl/pass2.1
 Presentation Format: cbldr
 Dataset Creation: Tue Jan 28 09:39:48 2014 by Calc 7.0 B1
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	3	Casing Collars	-0.5	200	wvf5ft	1200
4000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			

