



PIONEER

Pioneer Energy Services

Sonic Cement Bond Log

API No.	Company American Warrior, Inc. Well Hofmeister No. 3-15 Field Beaver County Barton State Kansas			
15-009-25,879-00-00	Location 420' FSL & 1,050' FWL		Other Services Mast Trailer	
	Sec: 15	Twp: 16 S	Rge: 12 W	
Permanent Datum	Ground Level	Elevation 1907	K.B. 1915	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	D.F. 1915	
Drilling Measured From	Kelly Bushing		G.L. 1907	
Run Number	One			
Date Survey	09-19-2013			
Date Cementing	09-13-2013			
Type Cementing Operation	Primary			
Depth Driller	3465			
Depth Logger	3427			
Logged Interval	3426 to 2100			
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	2254			
Calculated Cement Top	////			
Max. Hole Temperature	113			
Tool No.	RBT 5-5			
Spacing Recorded	3-5			
Equipment -- Location	4 Hays			
Recorded By	Stan Linenberger			
Witnessed By	Kevin Wiles			

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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

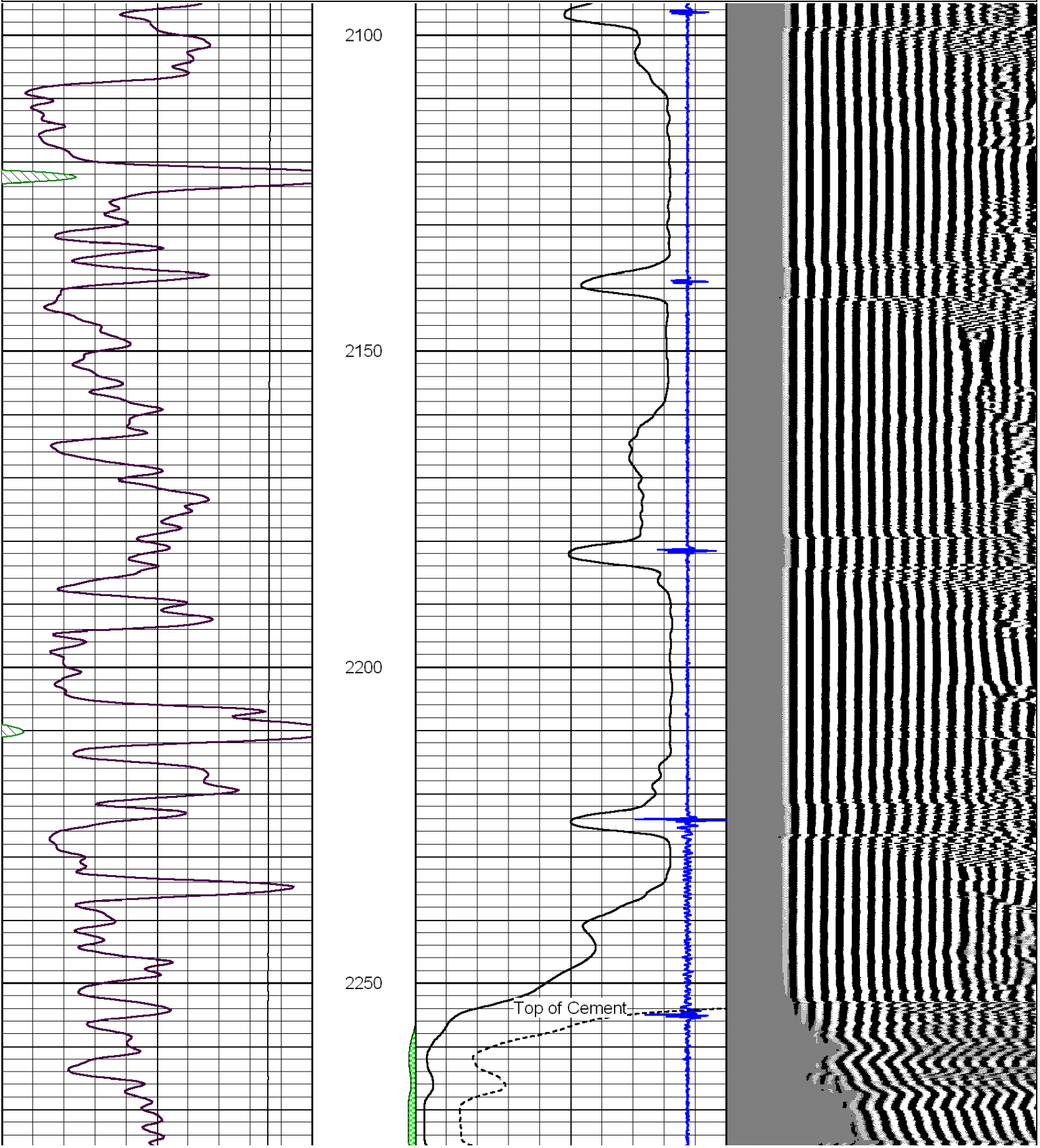
Beaver, Kansas;
1 Mile North, 1 1/4 Miles East,
North Into.

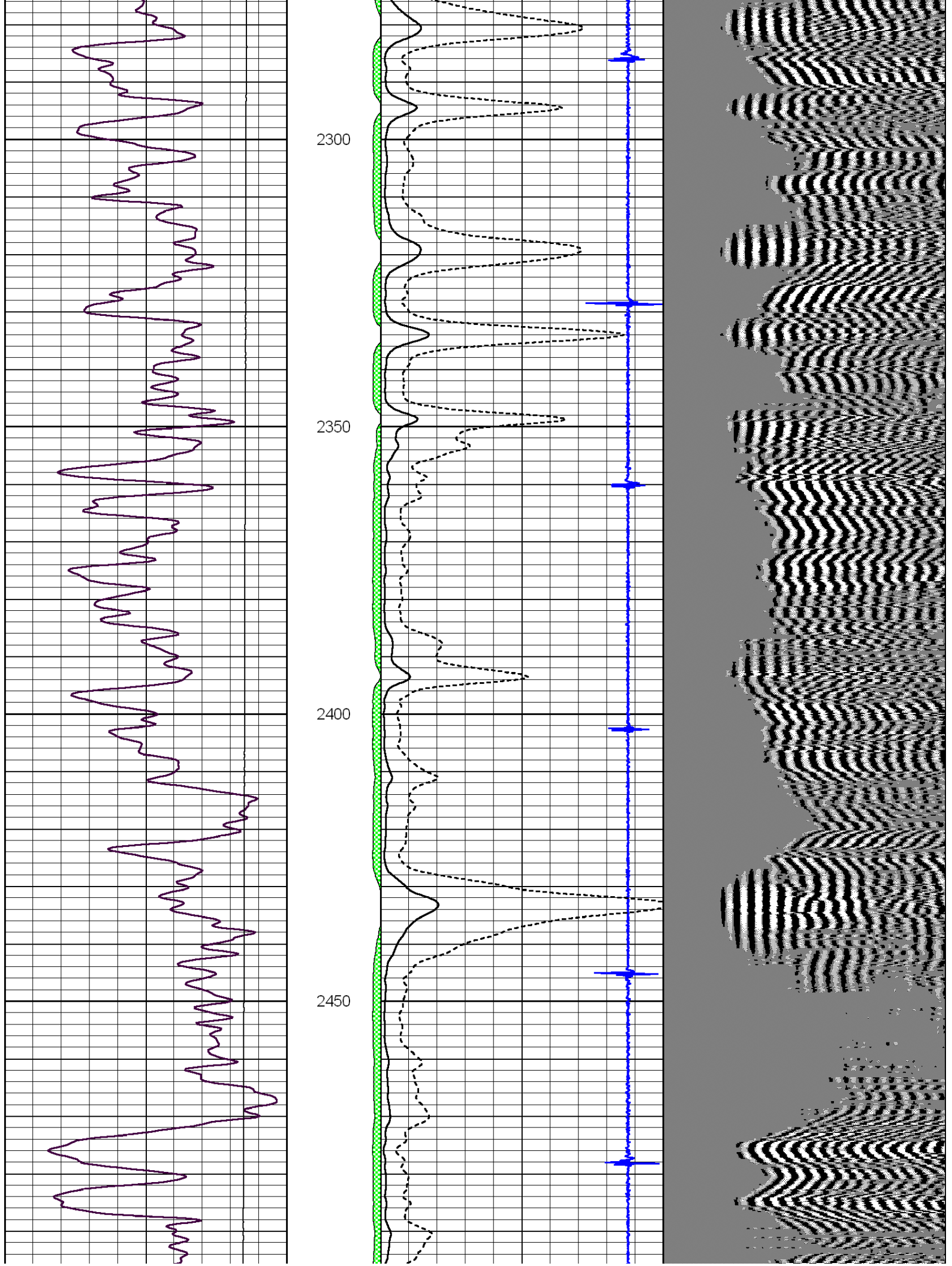


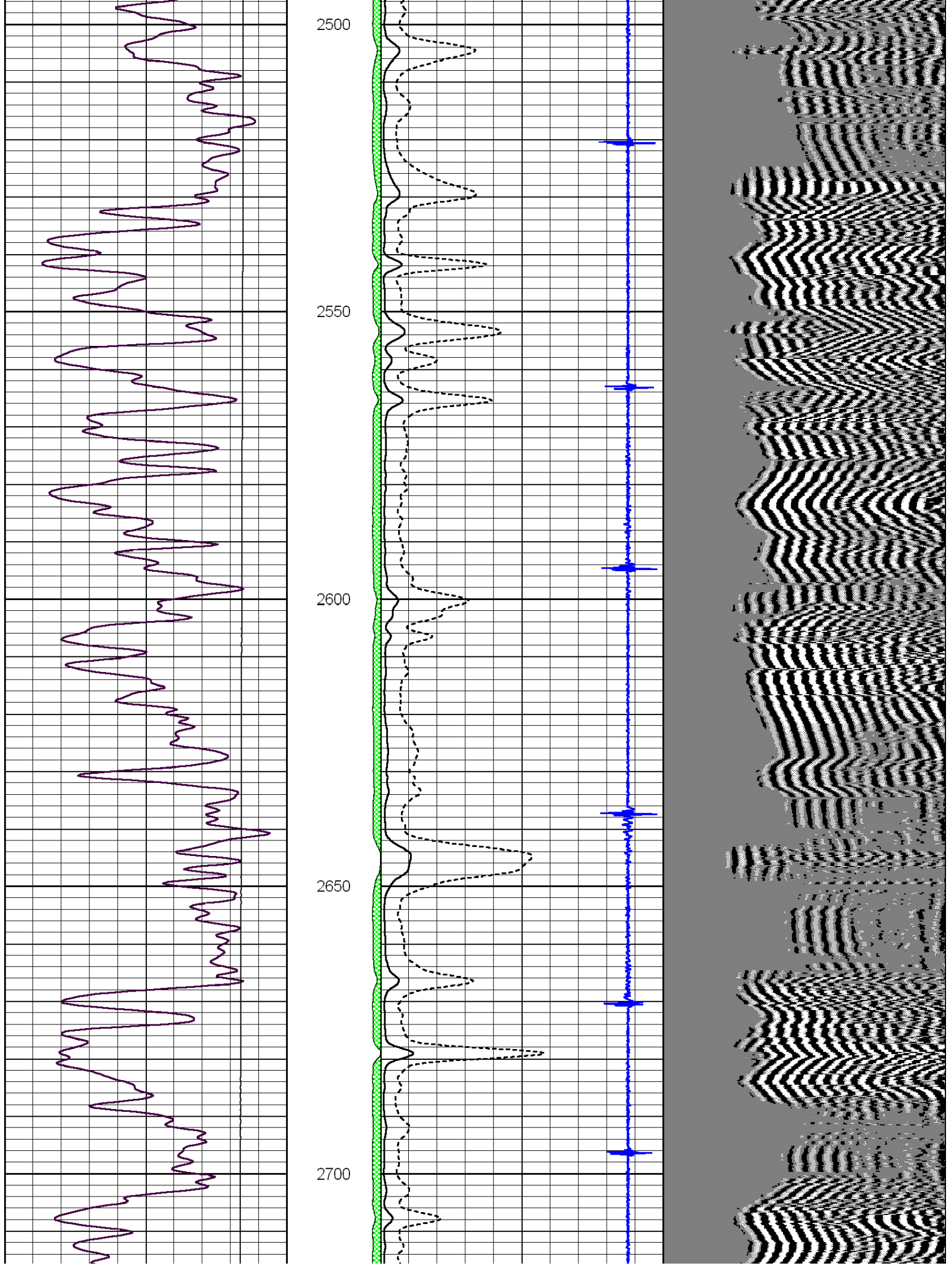
Main Pass

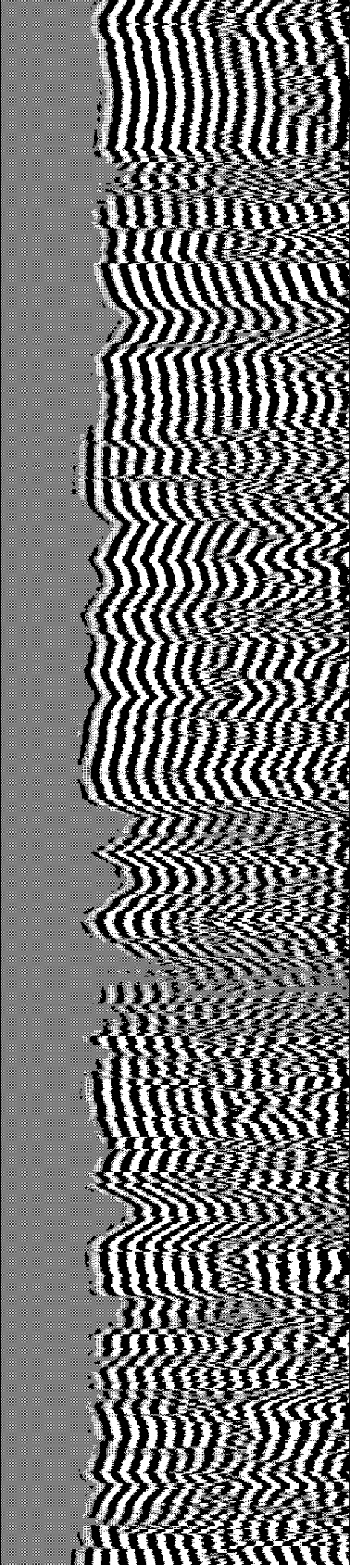
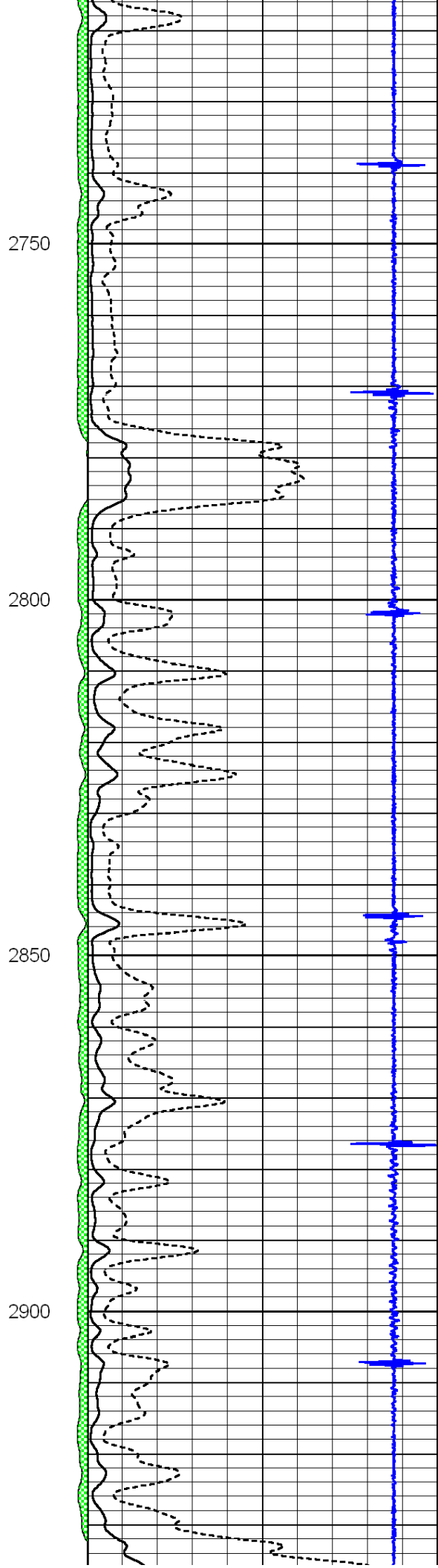
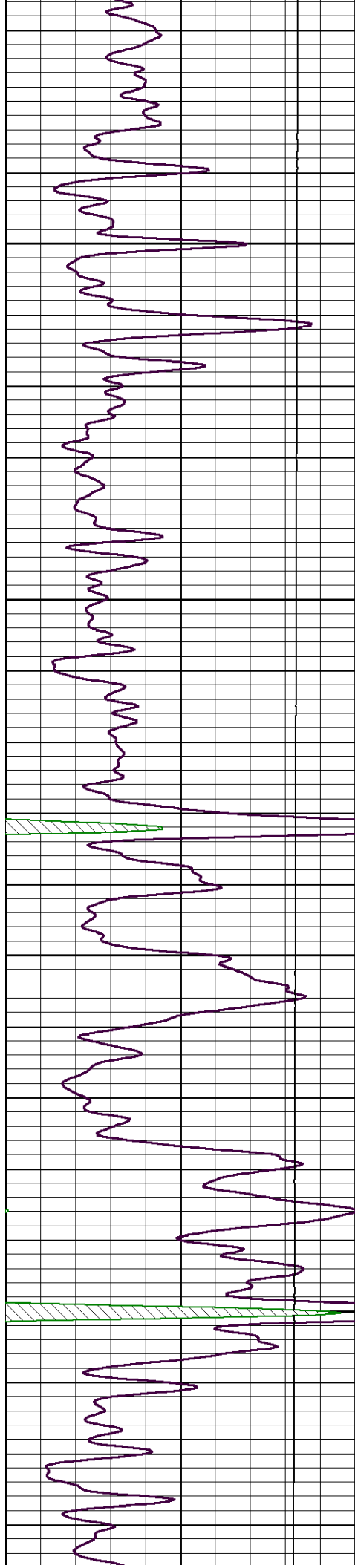
Database File: amwar_hofmeister_3_15_grcbl.db
Dataset Pathname: grcbl/pass3
Presentation Format: cbldr
Dataset Creation: Thu Sep 19 11:03:53 2013 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

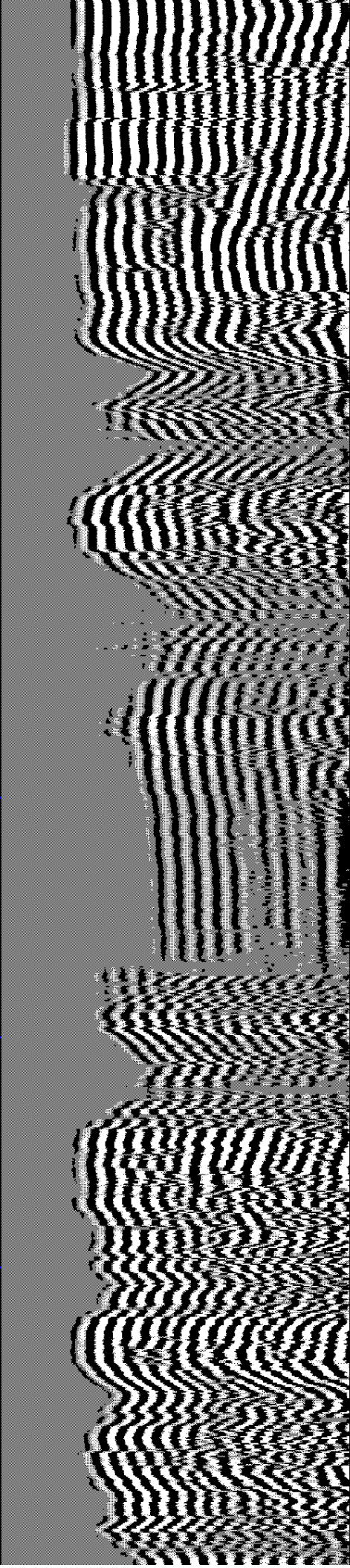
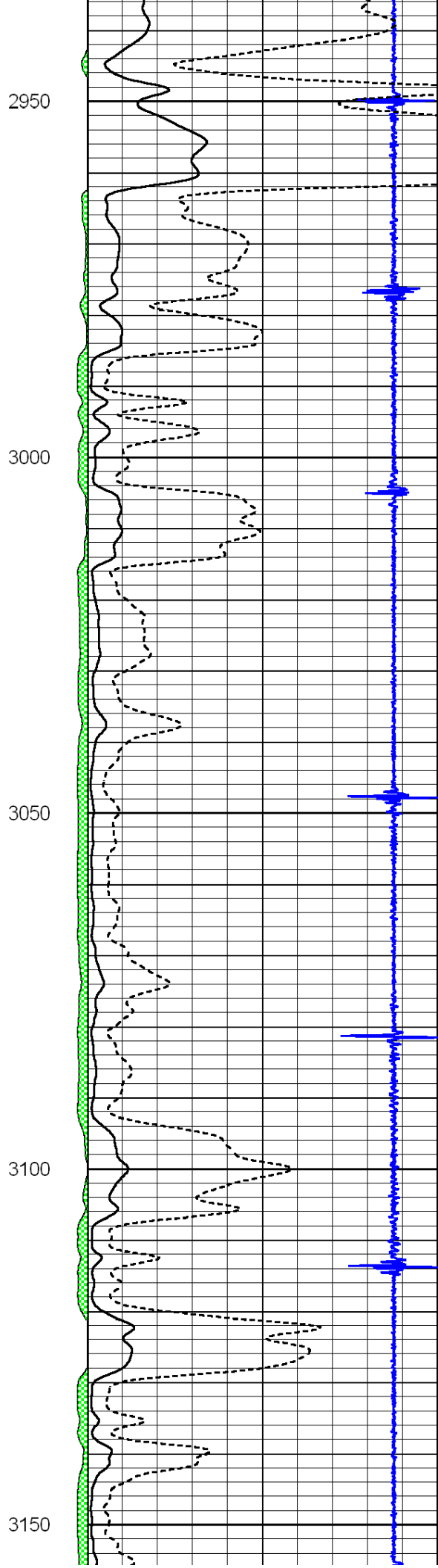
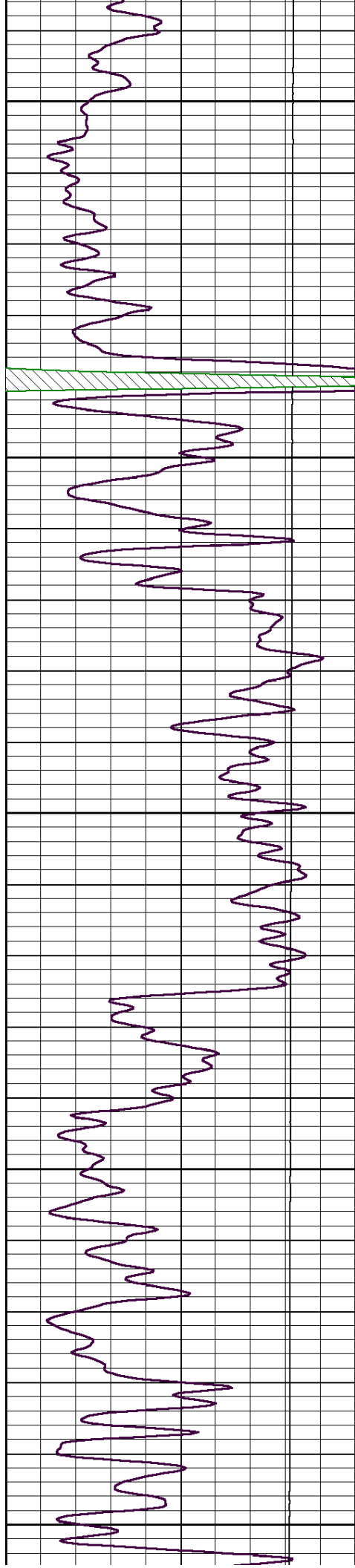
0	Gamma Ray	150	amp3ft	5	Casing Collars	-0.7	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			

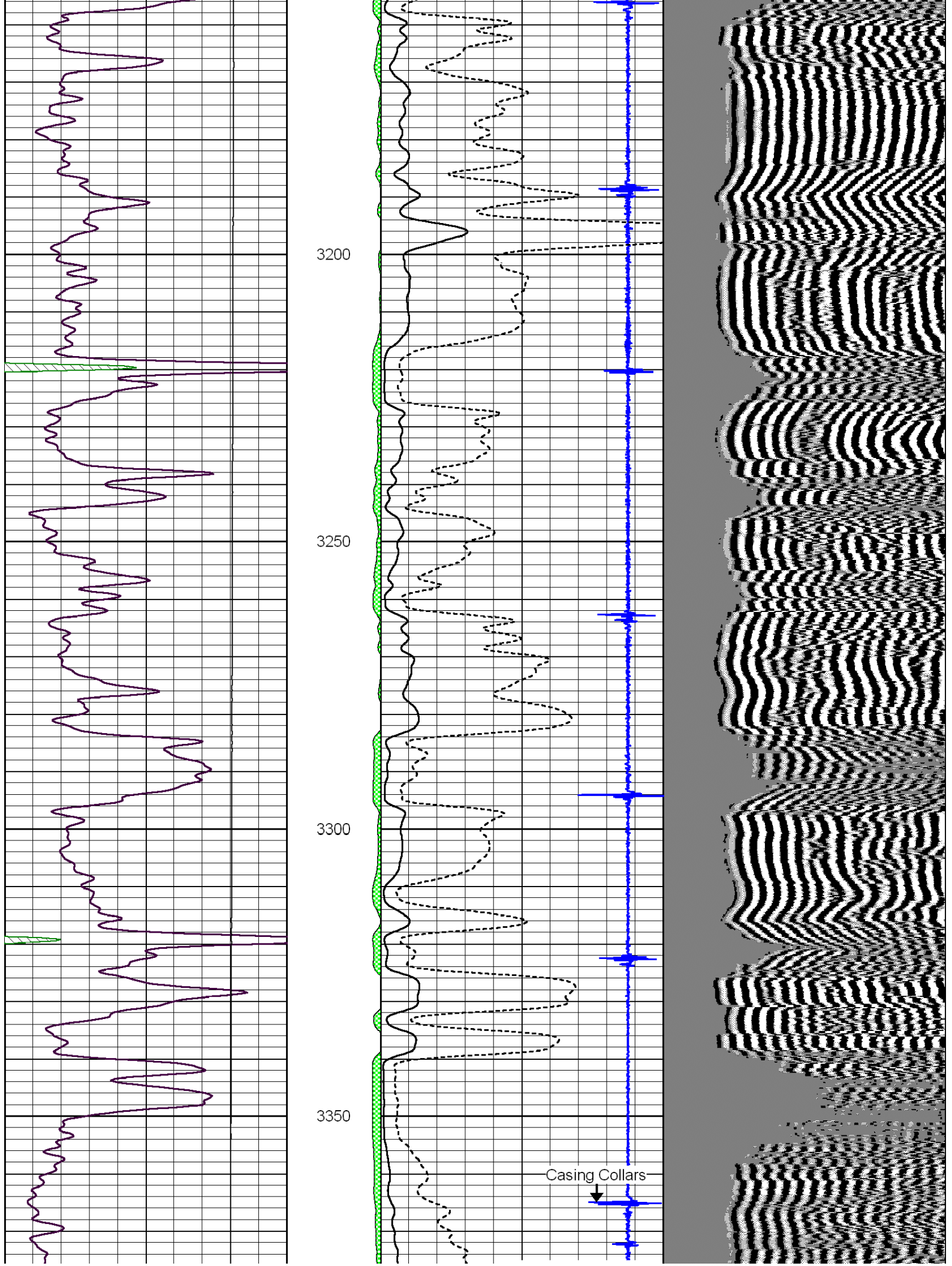


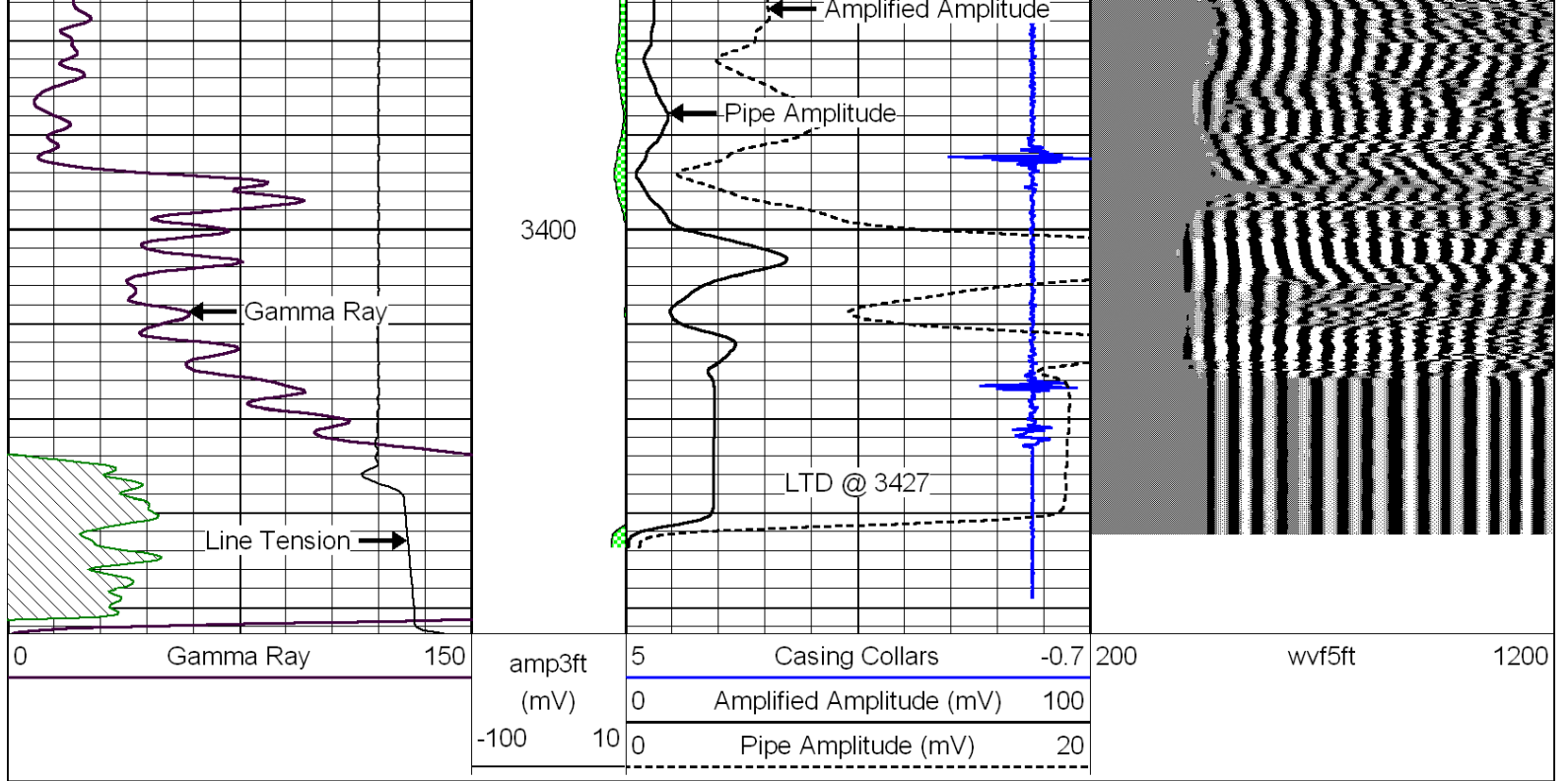












Repeat Section

Database File: amwar_hofmeister_3_15_grcbl.db
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 Presentation Format: cbldr
 Dataset Creation: Thu Sep 19 10:57:54 2013 by Log Std Casedhole 09061
 Charted by: Depth in Feet scaled 1:240

