



Sonic Cement Bond Log

API No.		Company BOP West,LLC.	
15-169-20326-00-00		Well Max Redden No. 1	
Field Wilcat		County Saline	
State Kansas		Location 530' FSL & 1170' FWL	
Sec: 21		Twp: 16 S Rge: 1 W	
Permanent Datum Ground Level Elevation 1273		Other Services Perforate 2618-23	
Log Measured From Kelly Bushing 9' Ft. Above Perm. Datum		K.B. 1282	
Drilling Measured From Kelly Bushing		D.F. 1273	
Run Number One			
Date Survey 5/09/2011			
Date Cementing 4/25/2011			
Type Cementing Operation Primary			
Depth Driller 2680			
Depth Logger 2666			
Logged Interval 2665 to 1450			
Casing Driller 5.5" @ T.D.			
Float Collar -- D.V. Tool			
Squeeze Depth			
Amount & Type Cement			
Amount & Type Admix			
Type Fluid In Hole			
Fluid Level			
Salinity PPM CL			
Weight lb/gal -- Vis.			
Approx. Logged Cement Top			
Calculated Cement Top			
Max. Hole Temperature			
Tool No.			
Spacing Recorded			
Equipment -- Location			
Recorded By			
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 Log-Tech, Inc.
(785) 625-3858

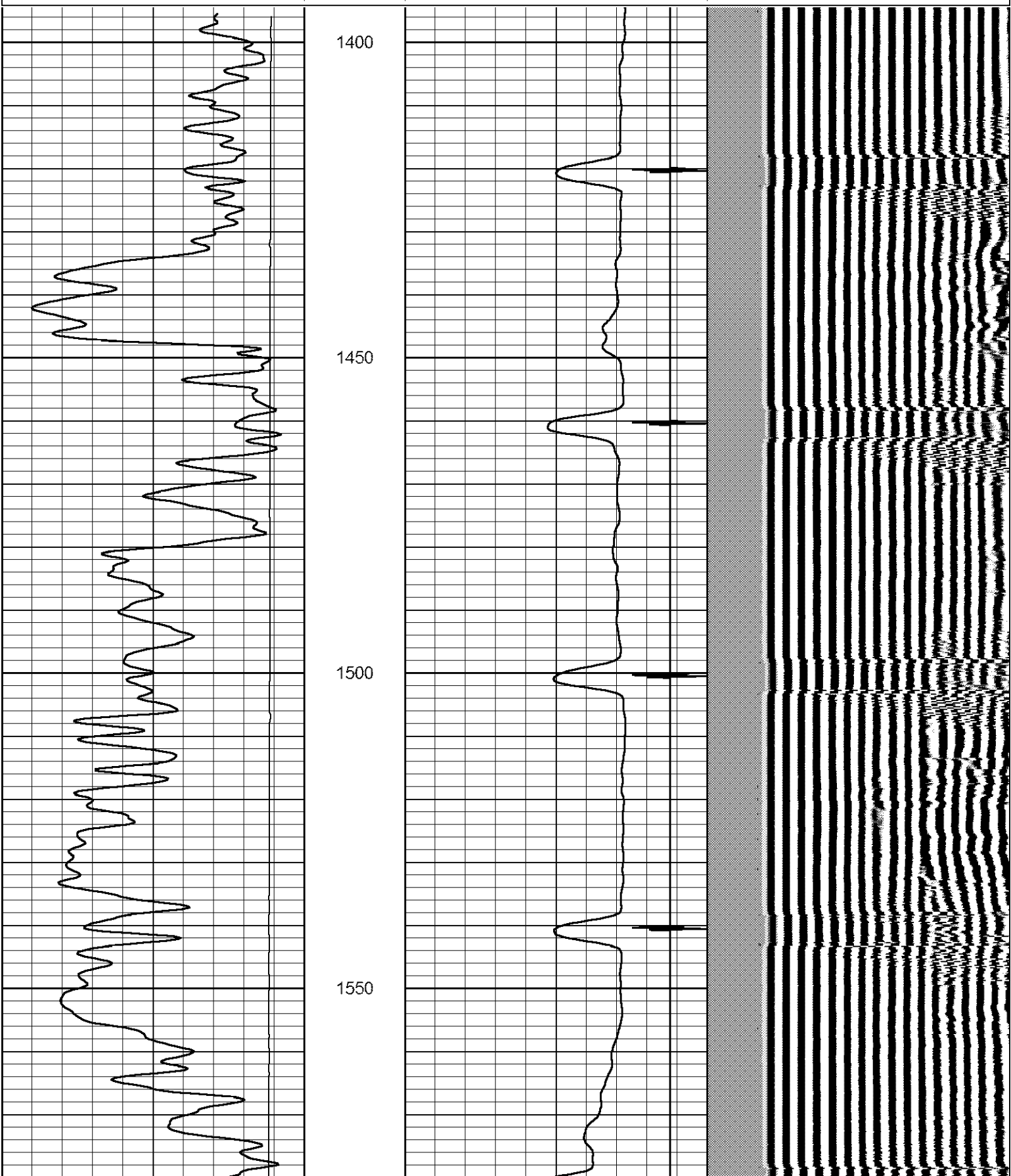
Gypsum Ks.
4 S, 1/2 W,
N into

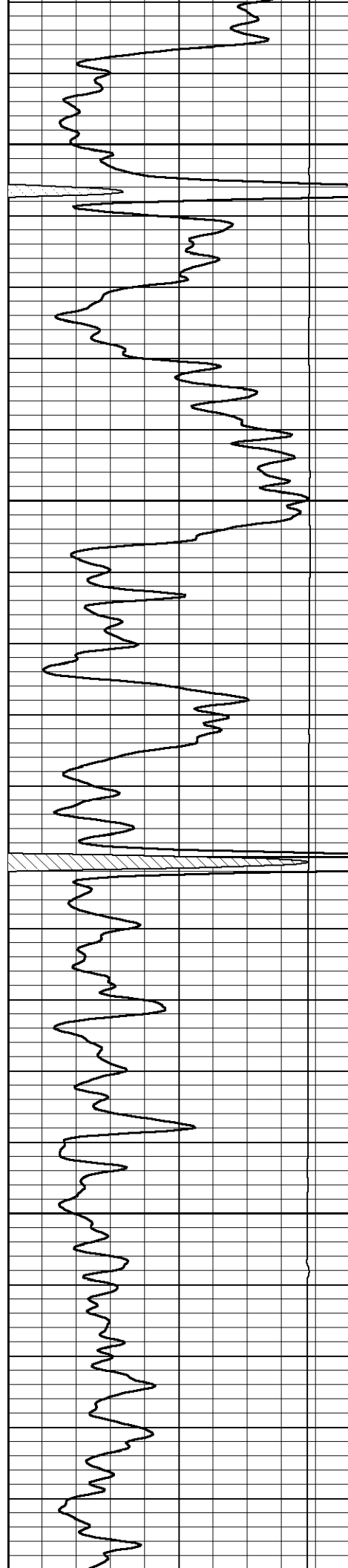


Main Pass

Database File: bopwestmaxredden1.db
Dataset Pathname: run1grcbl/pass3.1
Presentation Format: cbldr
Dataset Creation: Mon May 09 15:44:03 2011 by Calc SCH 110223
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	5	Casing Collars	-0.7	200	wvf5ft	1200
2000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			





1600

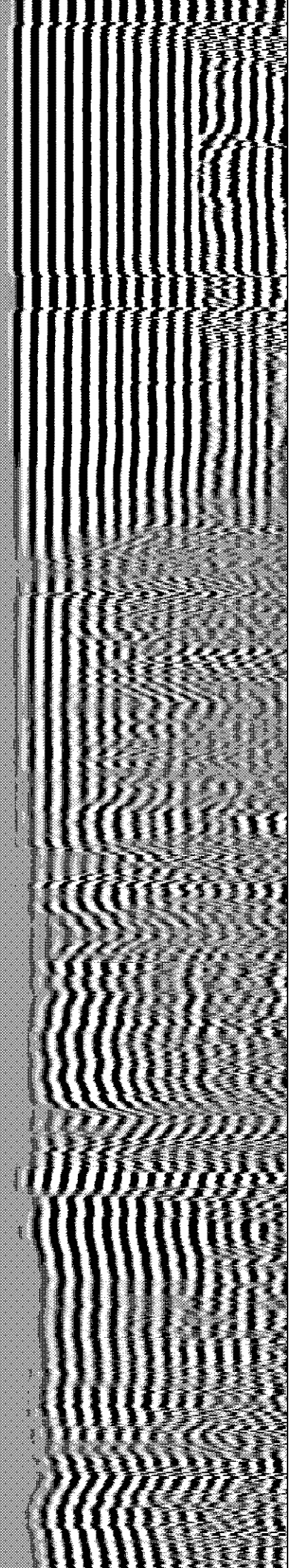
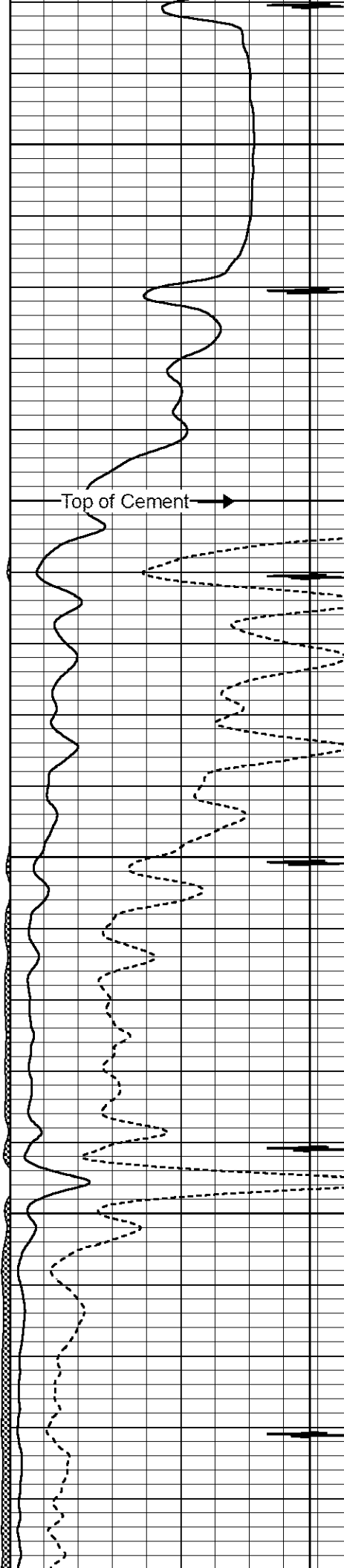
1650

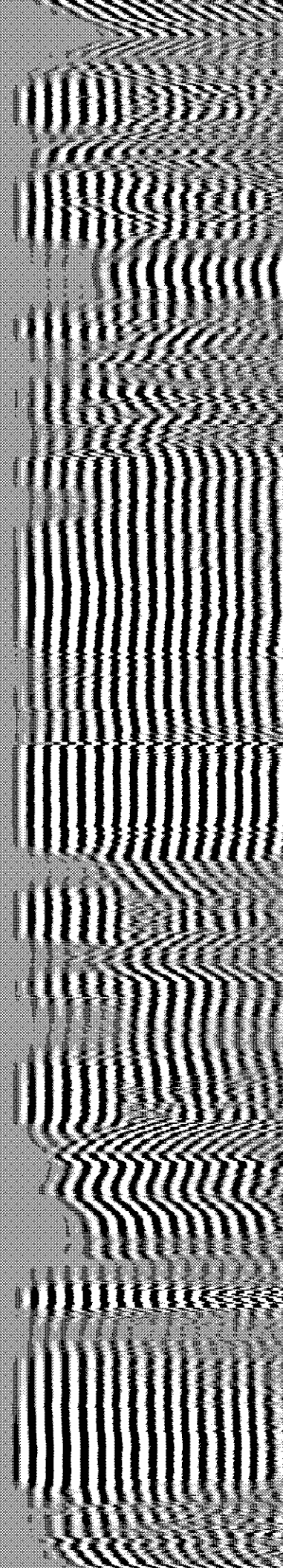
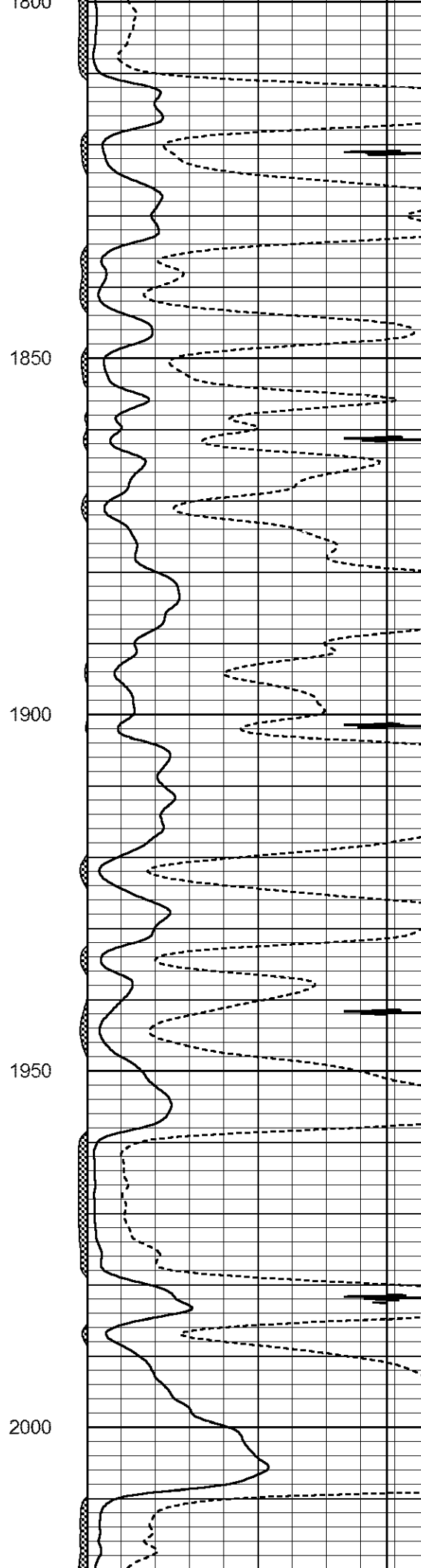
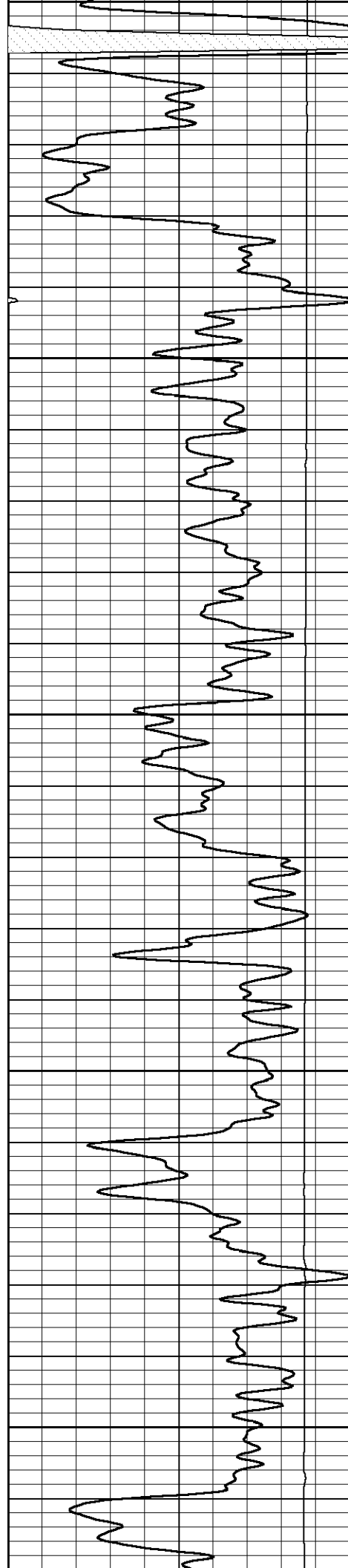
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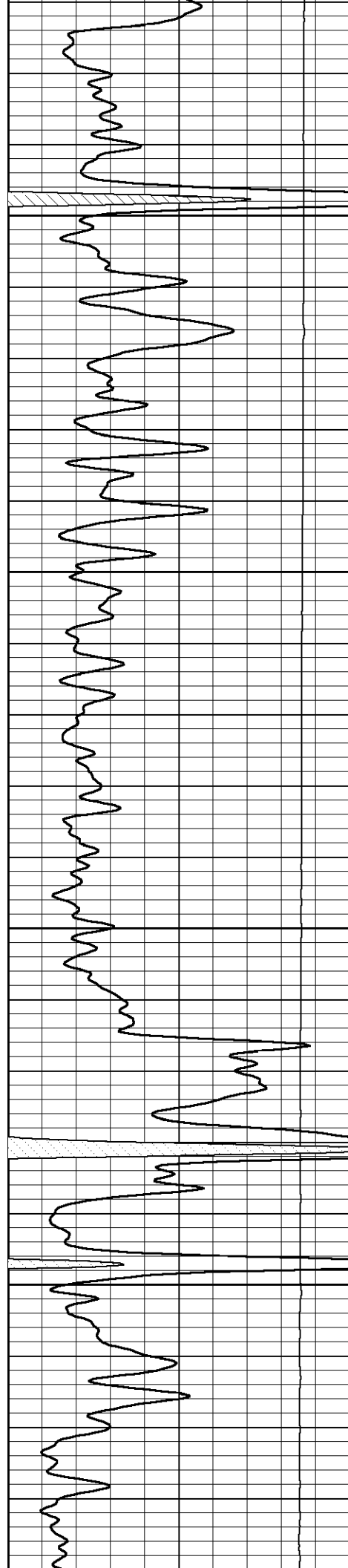
1750

1800

Top of Cement →





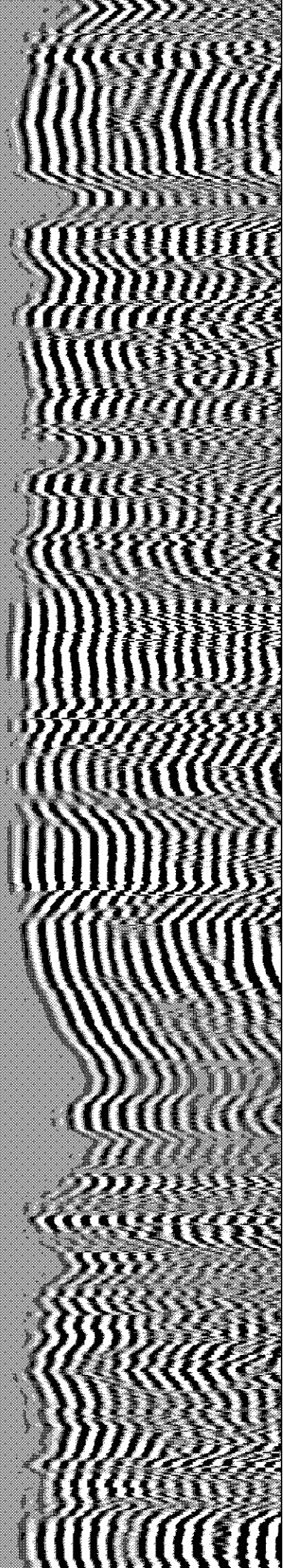
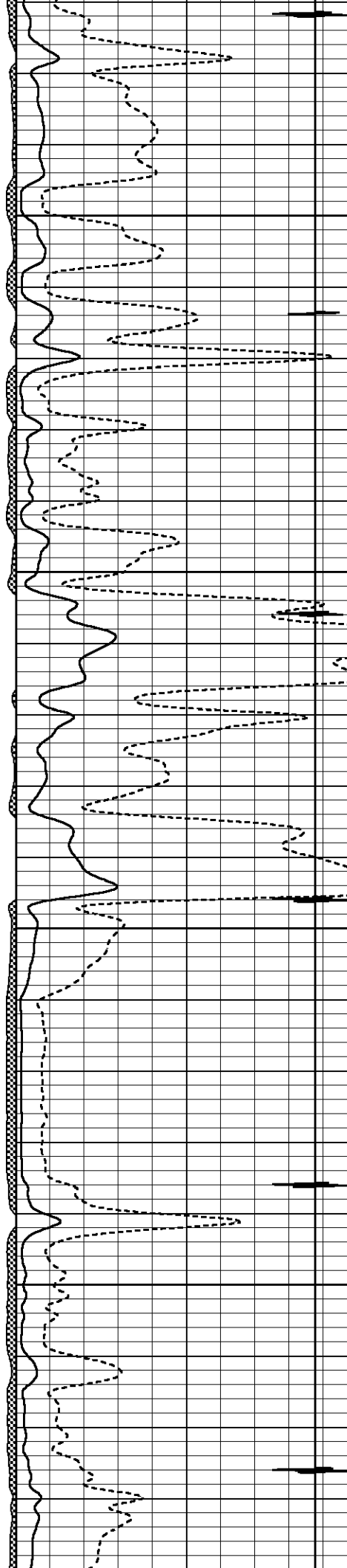


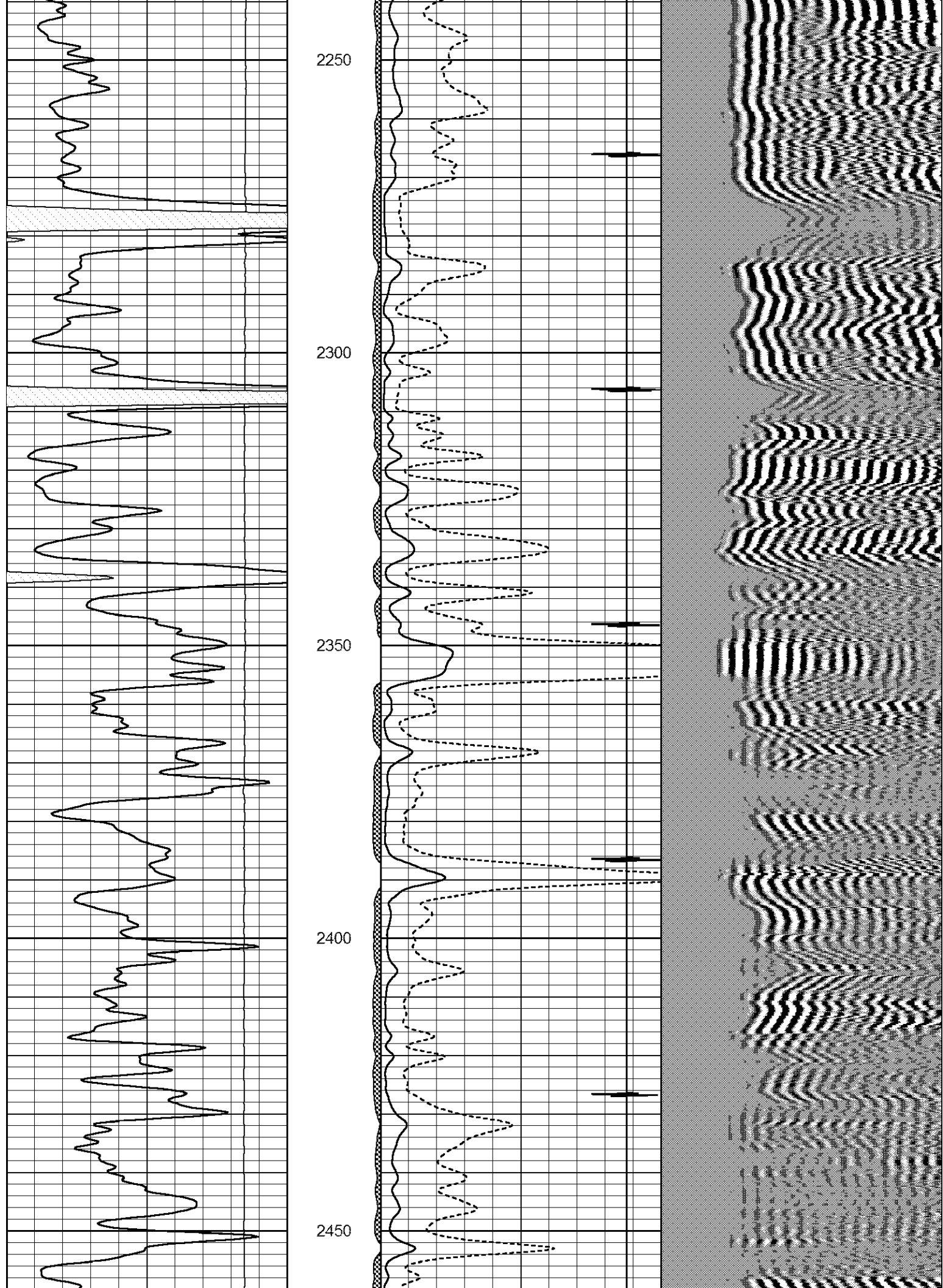
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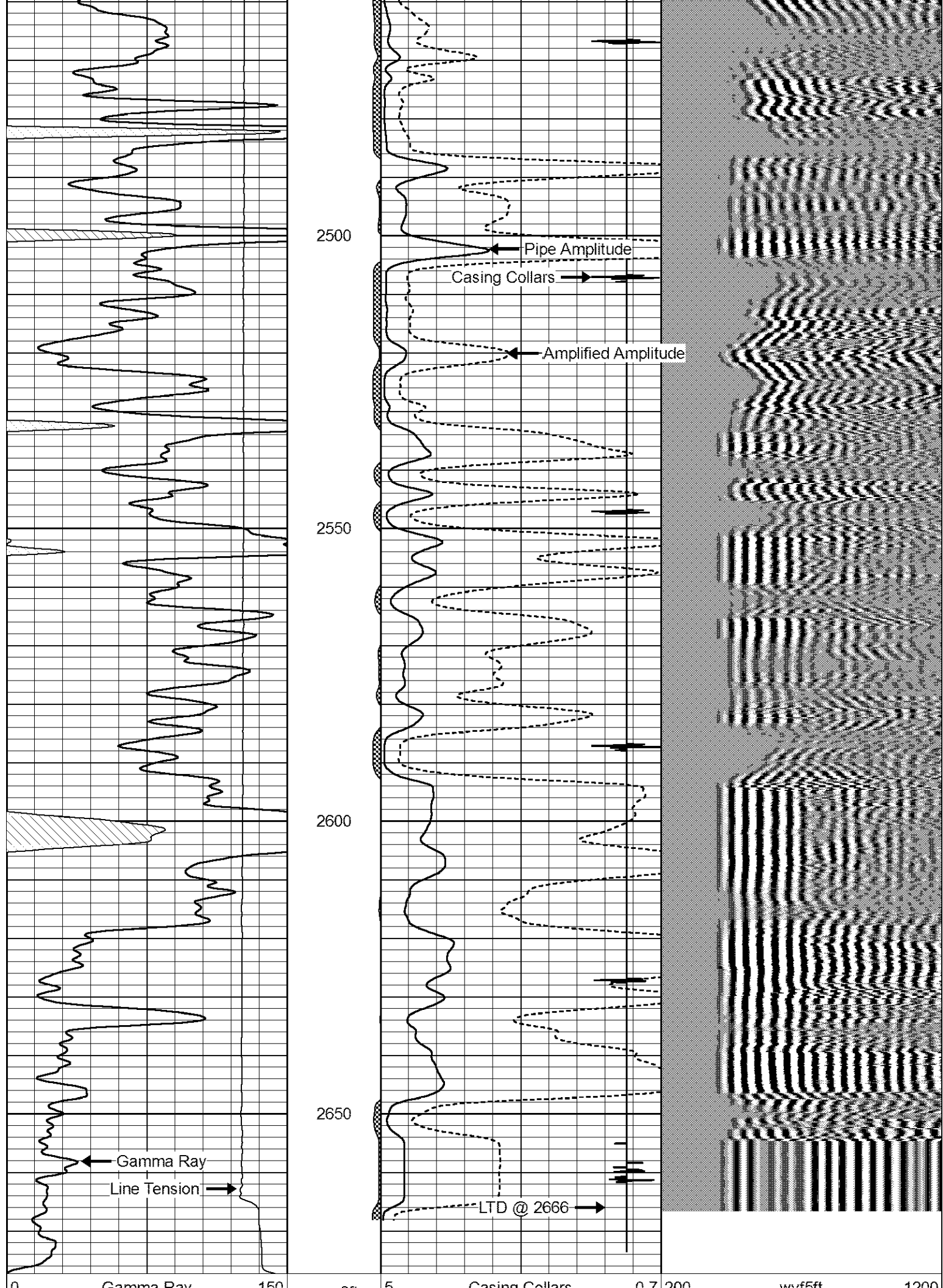
2100

2150

2200







0	Gamma Ray	150	amp3ft	5	Casing Collars	-0.7	200	wvf5ft	1200
2000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			



Repeat Section

Database File: bopwestmaxredden1.db
 Dataset Pathname: run1grcbl/pass2.1
 Presentation Format: cbldr
 Dataset Creation: Mon May 09 15:27:52 2011 by Calc SCH 110223
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	5	Casing Collars	-0.7	200	wvf5ft	1200
2000	LTEN (lb)	0	(mV)	0	Pipe Amplitude (mV)	100			
			-100 10	0	Amplified Amplitude (mV)	20			

