



PIONEER

Pioneer Energy Services

Sonic Cement Bond Log

API No.	Company H & C Oil Operating Inc		
	Well Dinges No. 19-1		
	Field Wildcat		
	County Ness	State Kansas	
15-135-25439-00-00	Location 1550' FSL & 800' FWL	Other Services Portable Mast	
	Sec: 19	Twp: 17 S	Rge: 26 W
Permanent Datum	Ground Level	Elevation 2527	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2535 D.F. 2527 G.L. 2527	
Run Number	One		
Date Survey	08/13/2012		
Date Cementing	08/05/2012		
Type Cementing Operation	Primary		
Depth Driller	4544		
Depth Logger	4513		
Logged Interval	4512 to 2650		
Casing Driller	5.5 @ TD		
Float Collar -- D.V. Tool	2448 @		
Squeeze Depth	2448		
Amount & Type Cement	Full		
Amount & Type Admix	Full		
Type Fluid In Hole	Water		
Fluid Level	Full		
Salinity PPM CL	Full		
Weight lb/gal -- Vis.	2786		
Approx. Logged Cement Top	2786		
Calculated Cement Top	123		
Max. Hole Temperature	PRBT71		
Tool No.	3' 5'		
Spacing Recorded	71		
Equipment -- Location	Scott Clermont		
Recorded By	Charlie Ramsay		
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

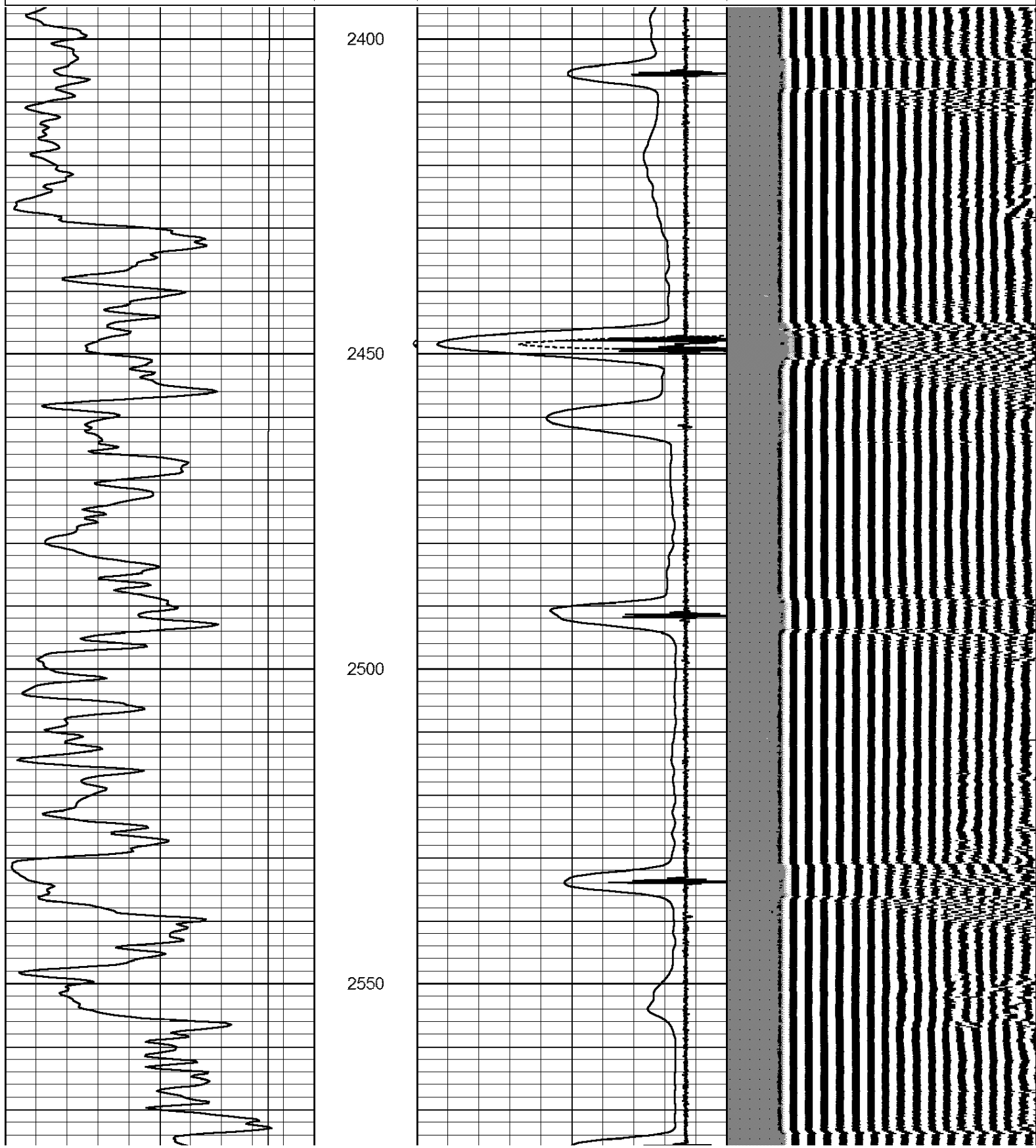
Thank you for using Pioneer Energy Services
785.625.3858
Utica Ks.,
2 West to B Rd., 4 South to 220,
1 West to A Rd., 21 3/4 South,
West through gate about a mile to location

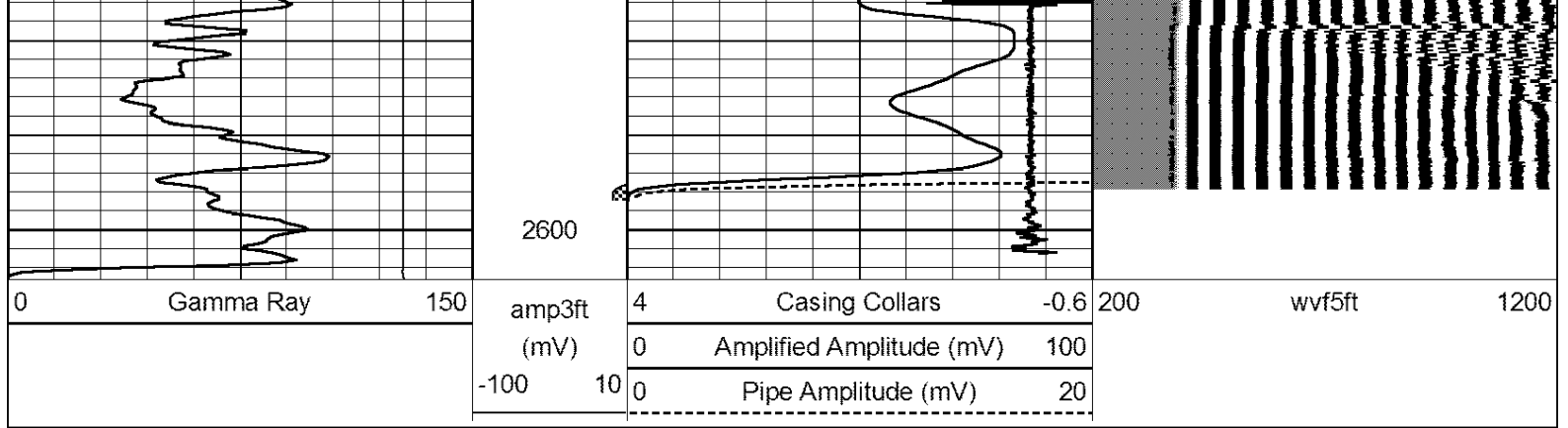


Port Collar @ 2448

Database File: h&c_dinges_#19-1.db
Dataset Pathname: grcbl/pass5
Presentation Format: cbldr
Dataset Creation: Mon Aug 13 11:35:36 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

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			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			

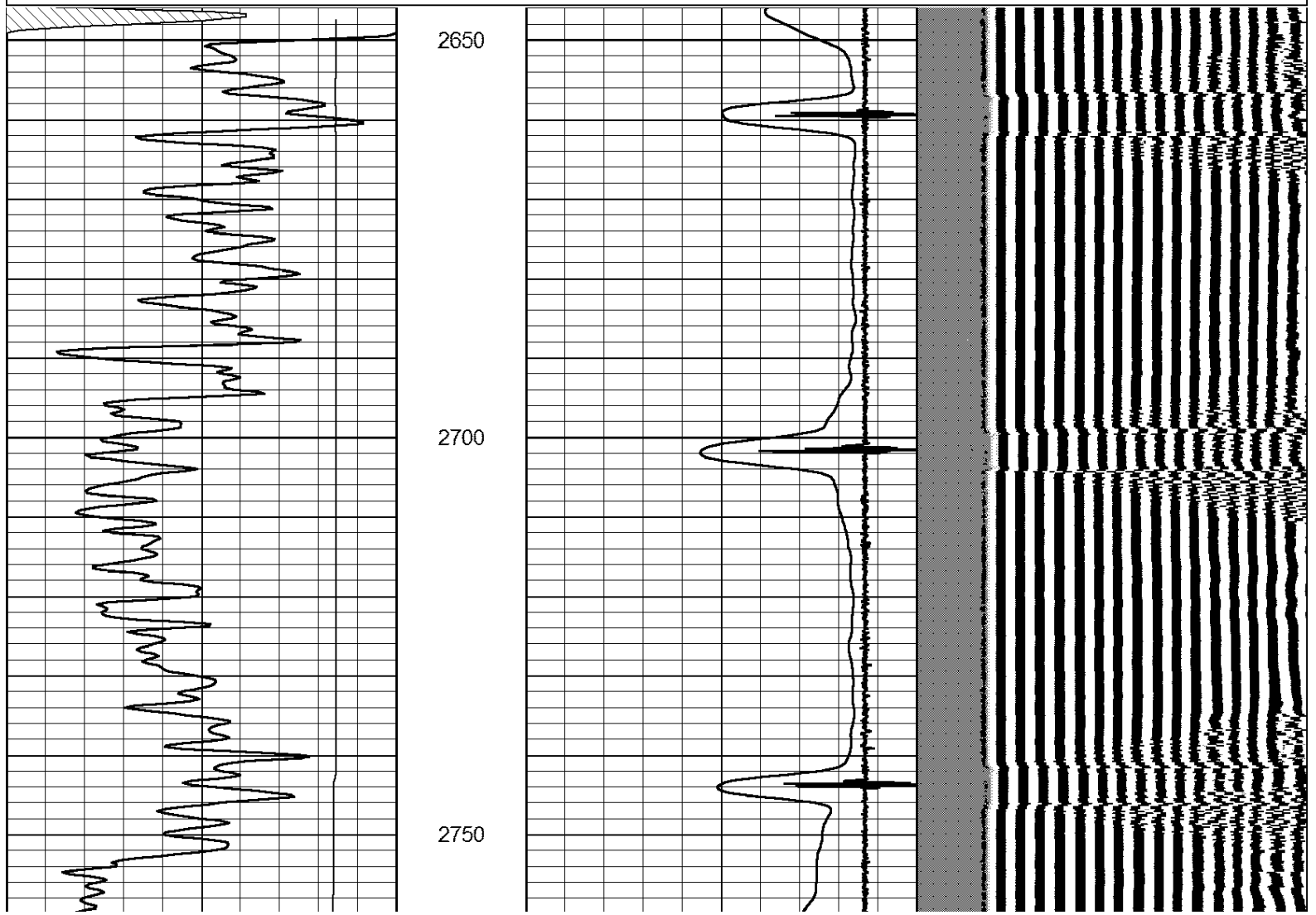
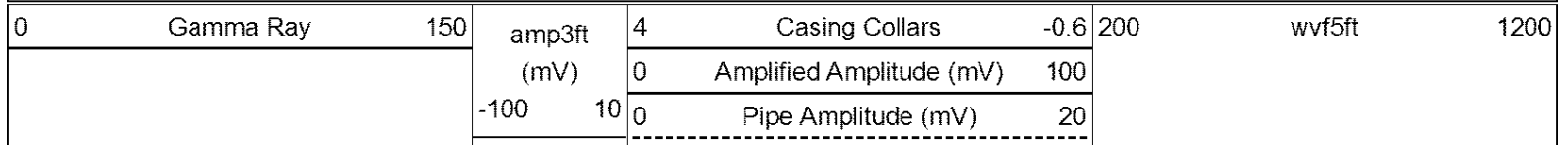


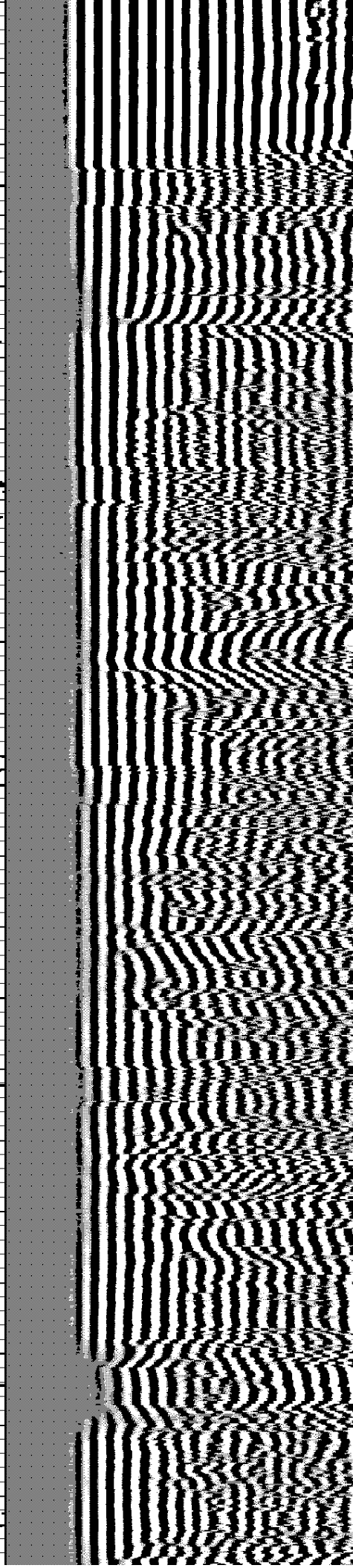
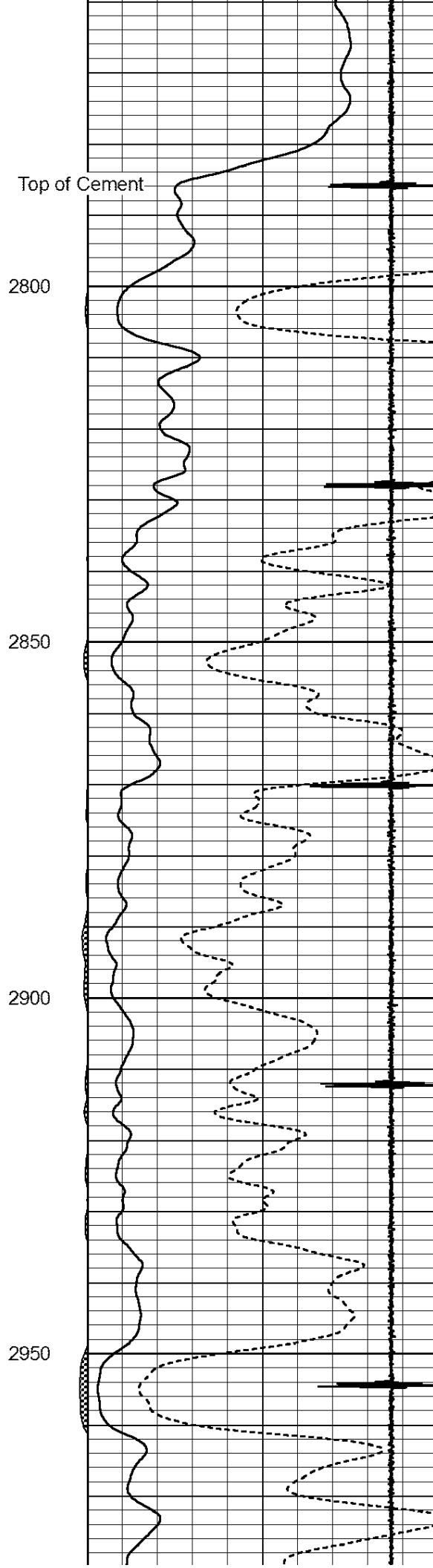
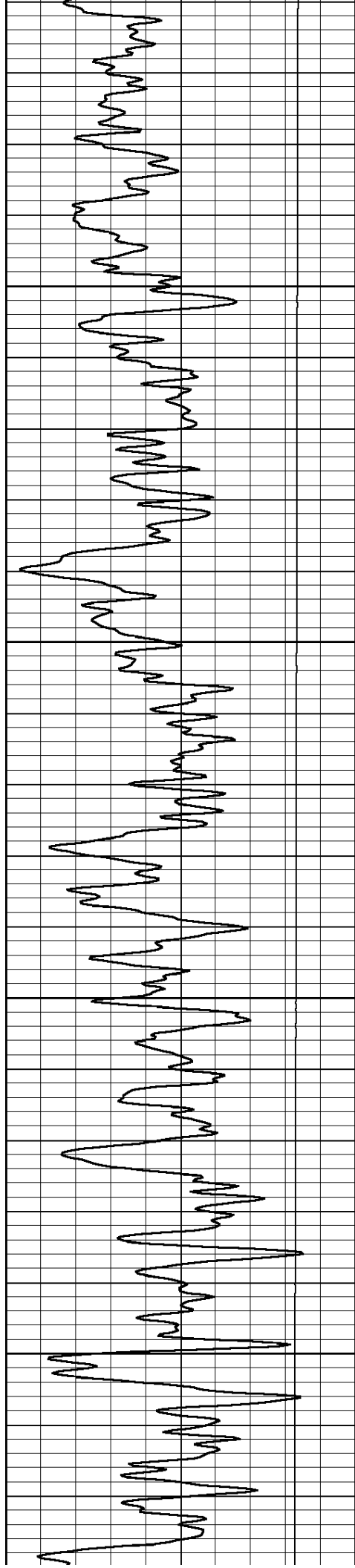


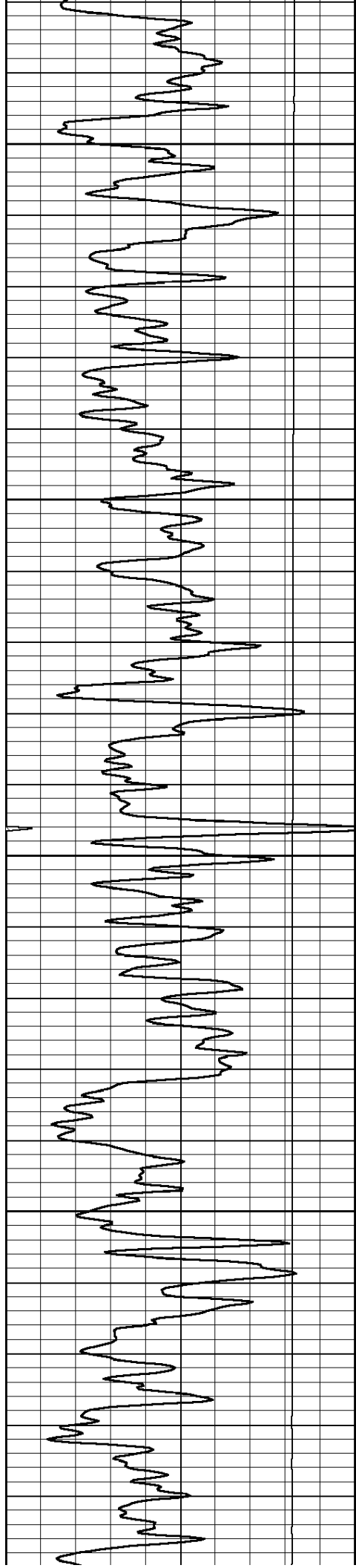
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Main Pass

Database File: h&c_dinges_#19-1.db
 Dataset Pathname: grcbl/pass4.1
 Presentation Format: cbldr
 Dataset Creation: Mon Aug 13 11:34:42 2012 by Calc SCH 111116
 Charted by: Depth in Feet scaled 1:240







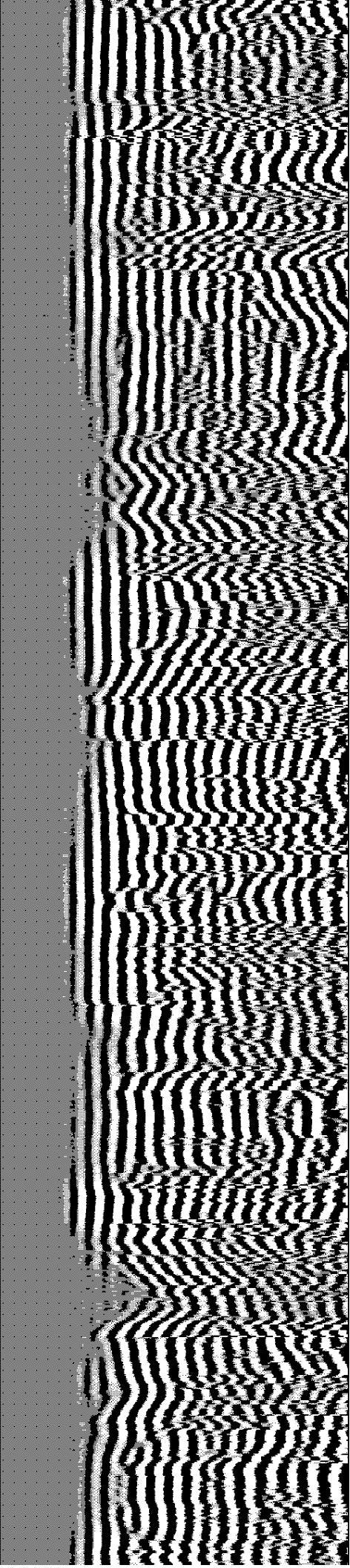
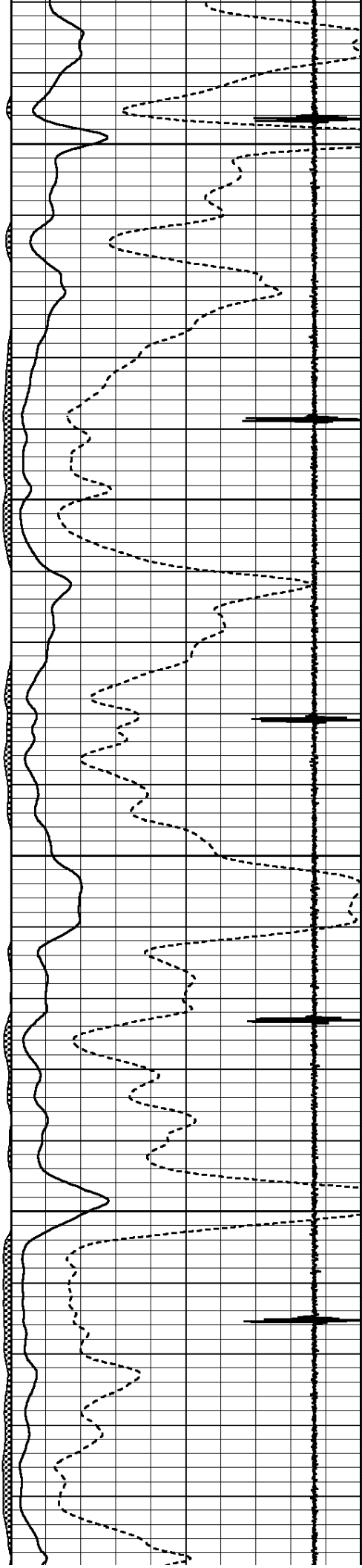
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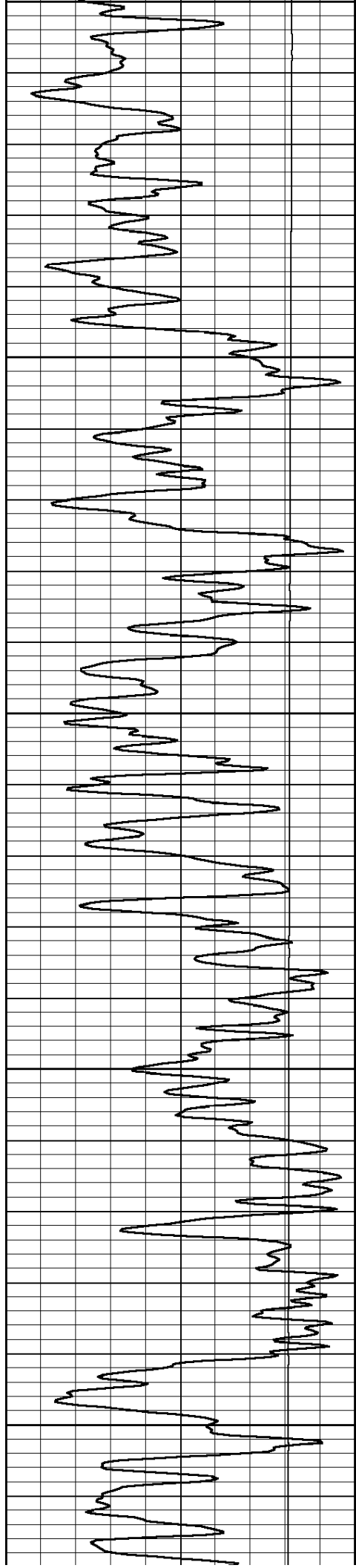
3050

3100

3150

3200





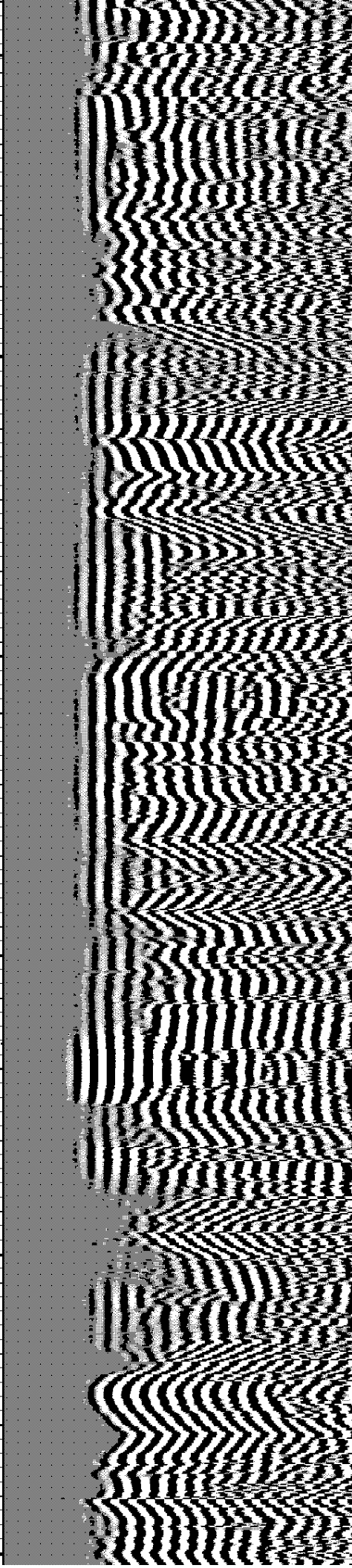
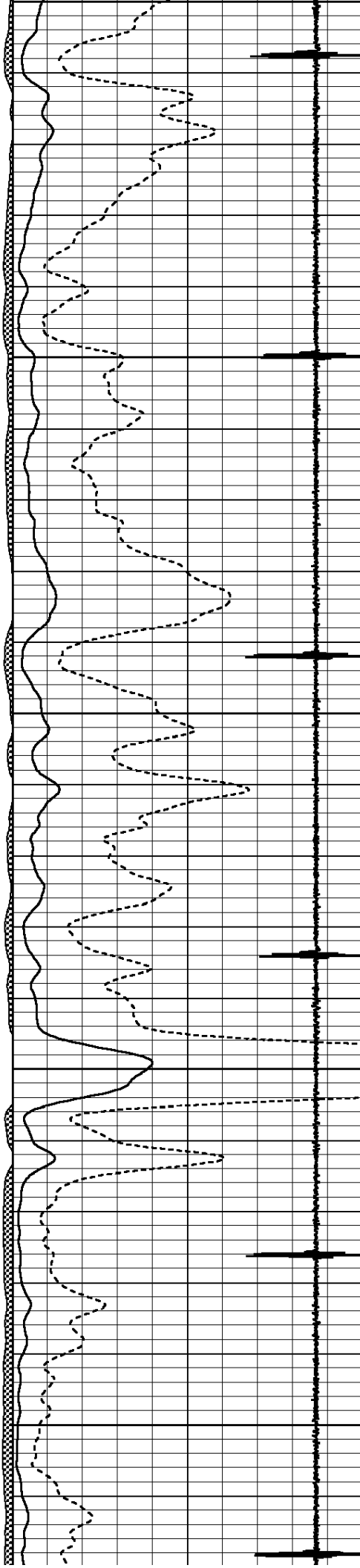
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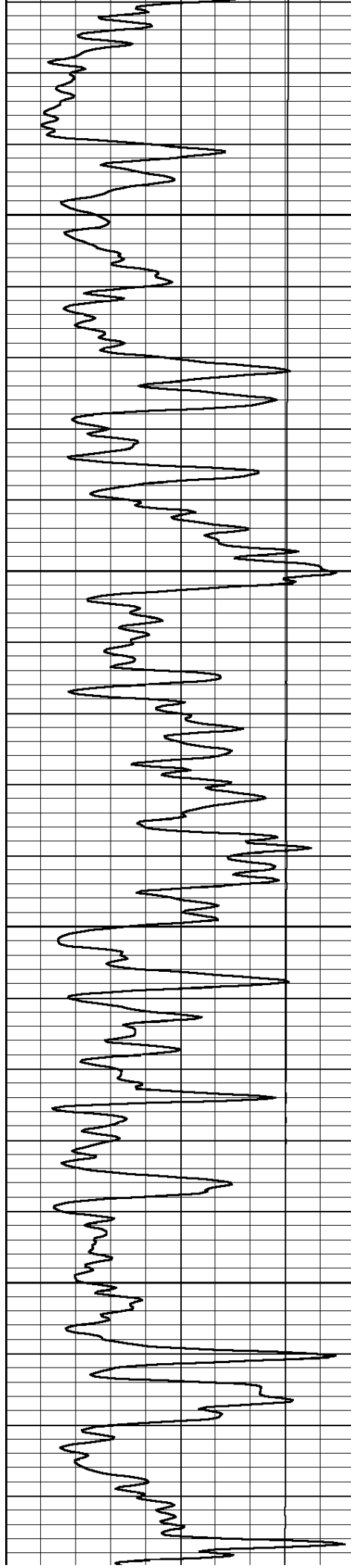
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3300

3350

3400



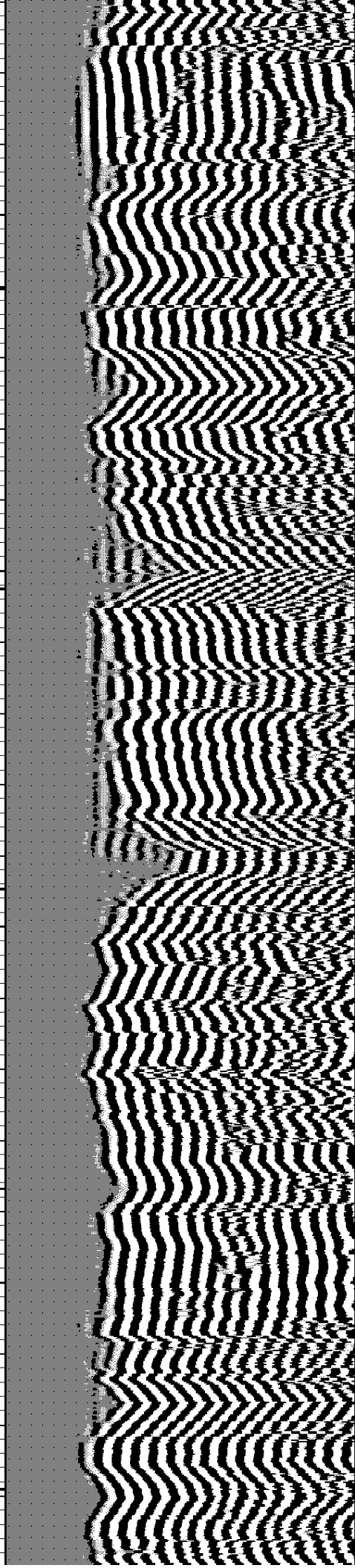
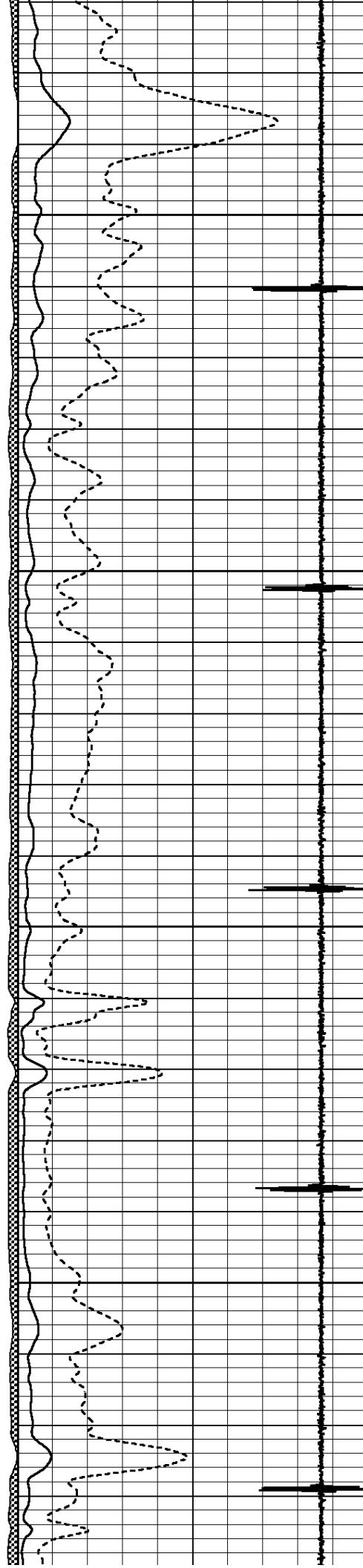


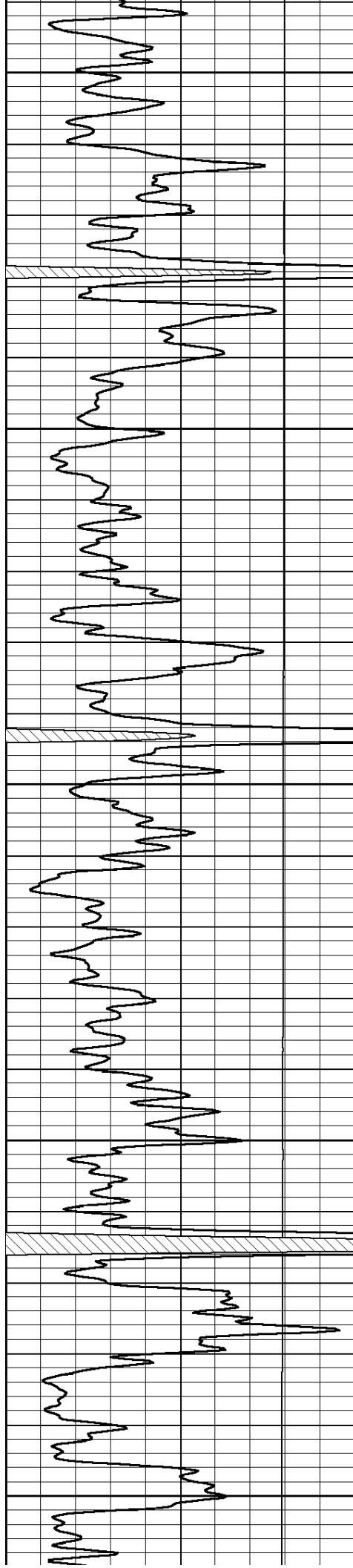
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3500

3550

3600





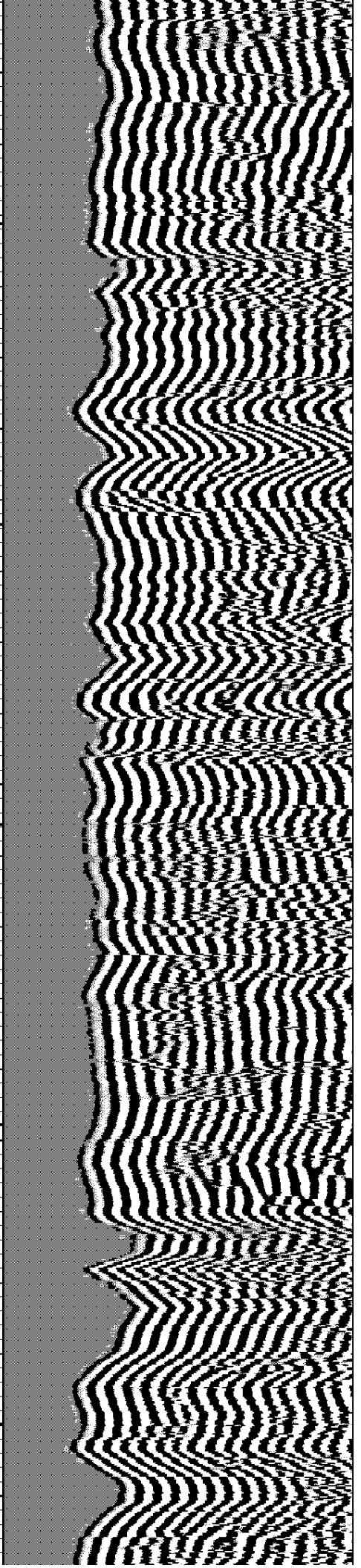
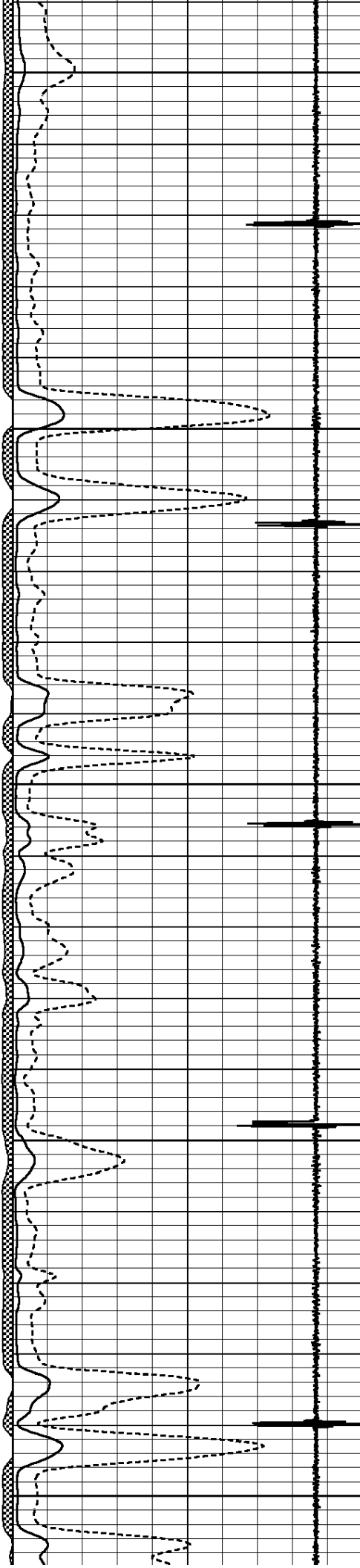
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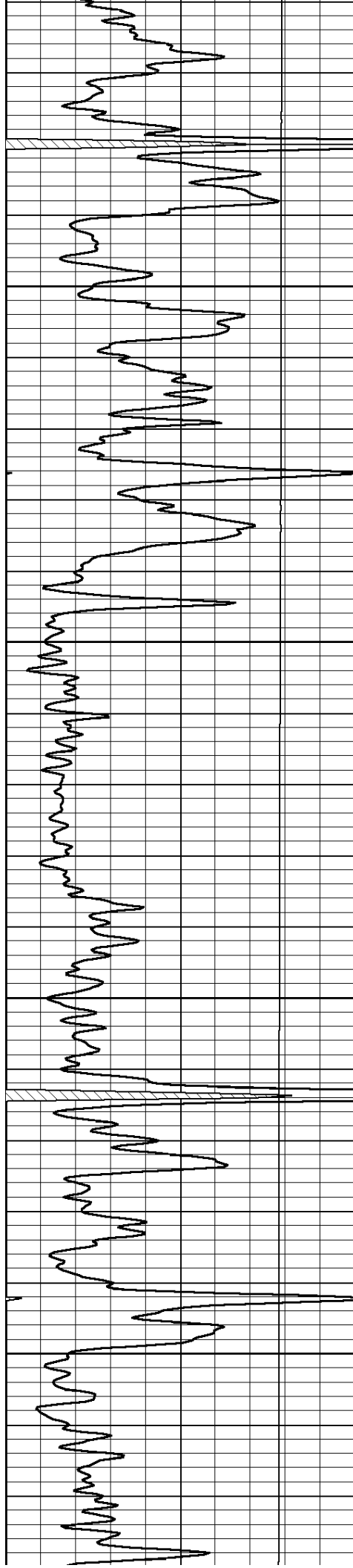
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3750

3800

3850



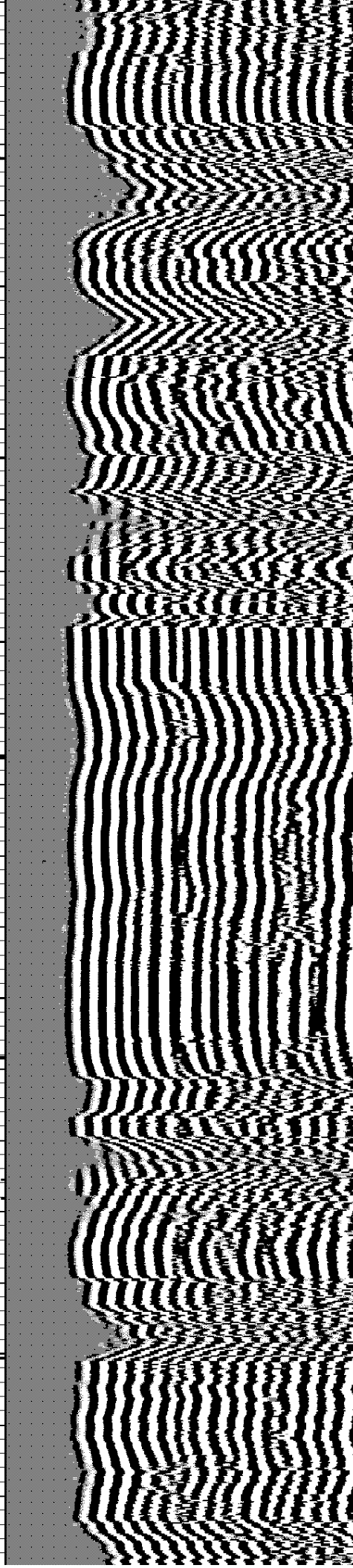
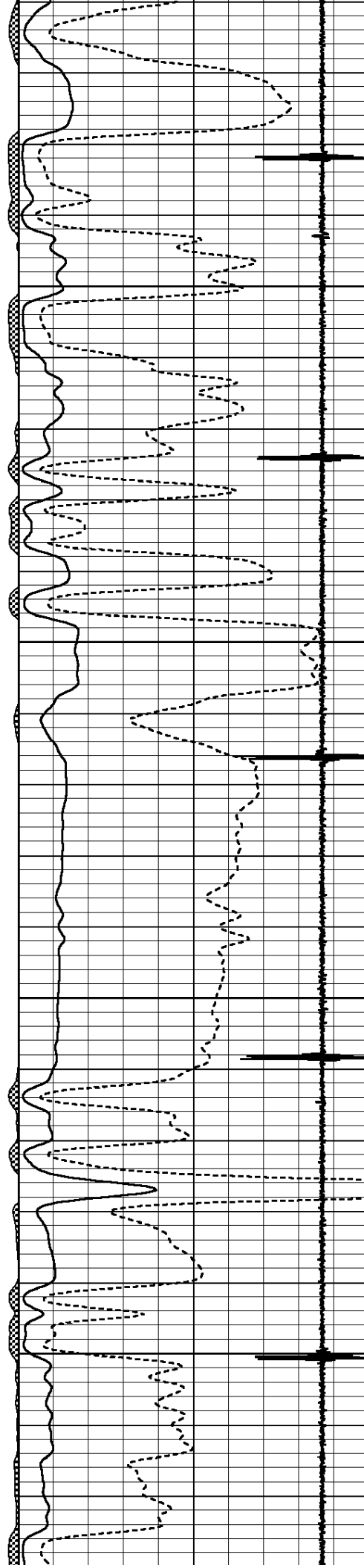


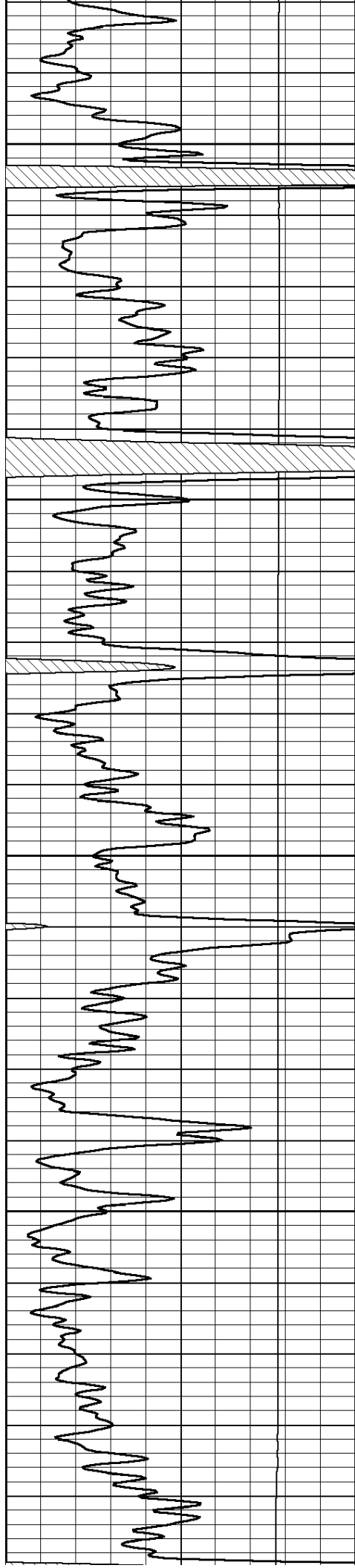
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3950

4000

4050





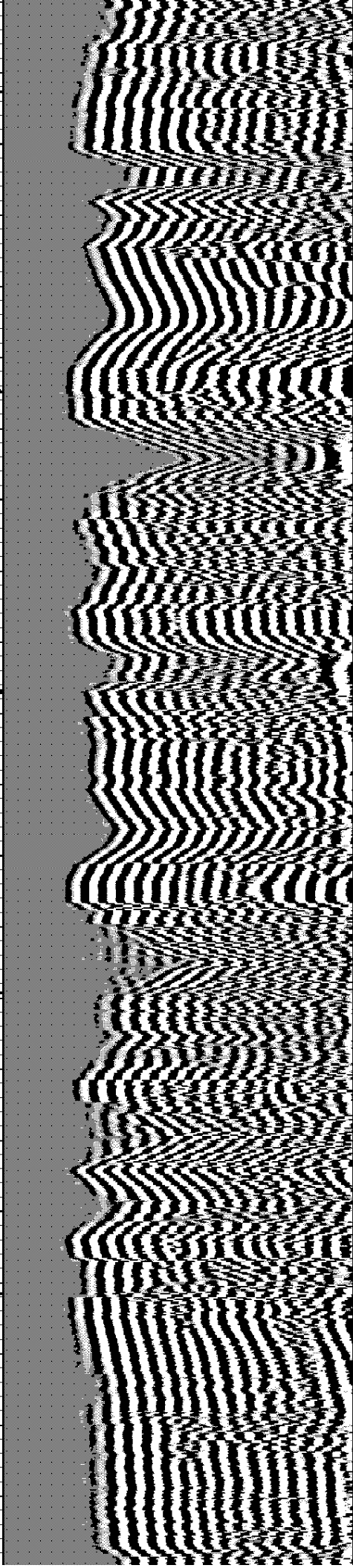
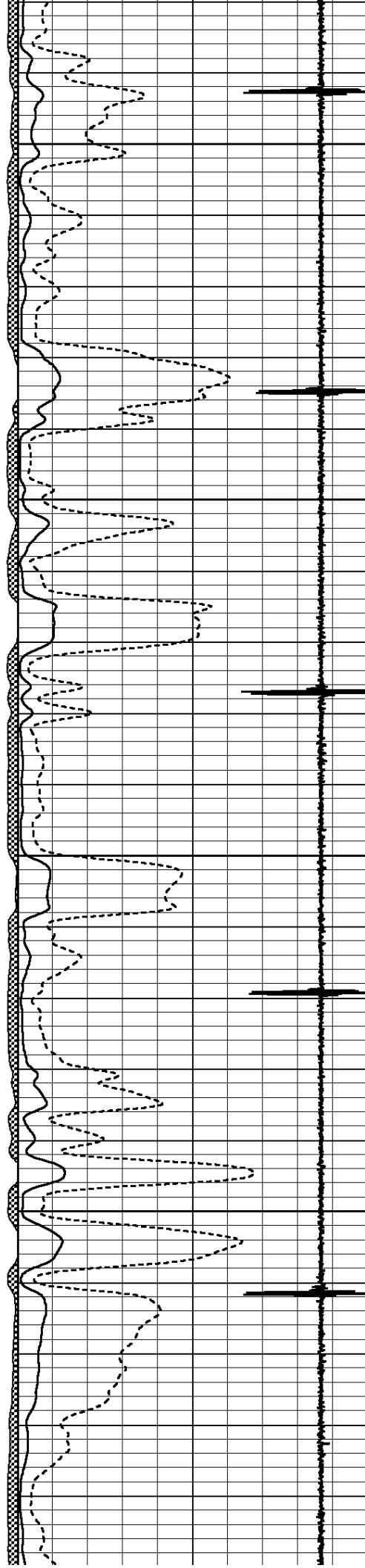
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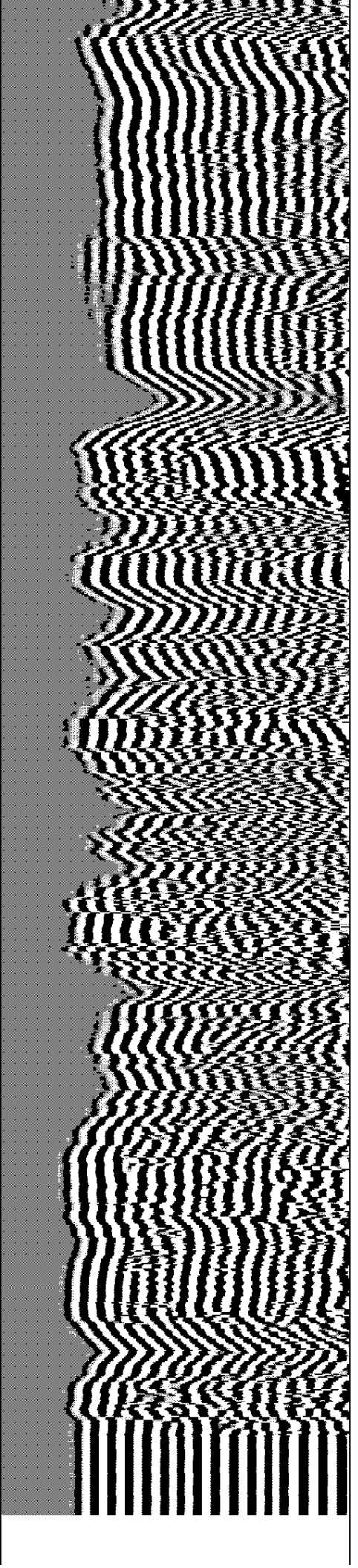
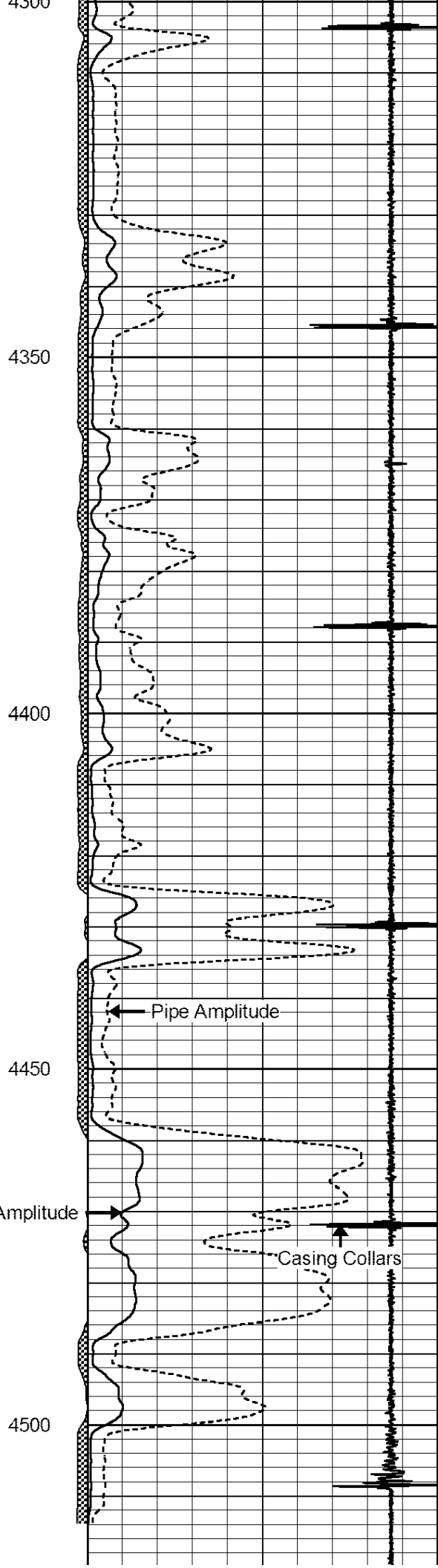
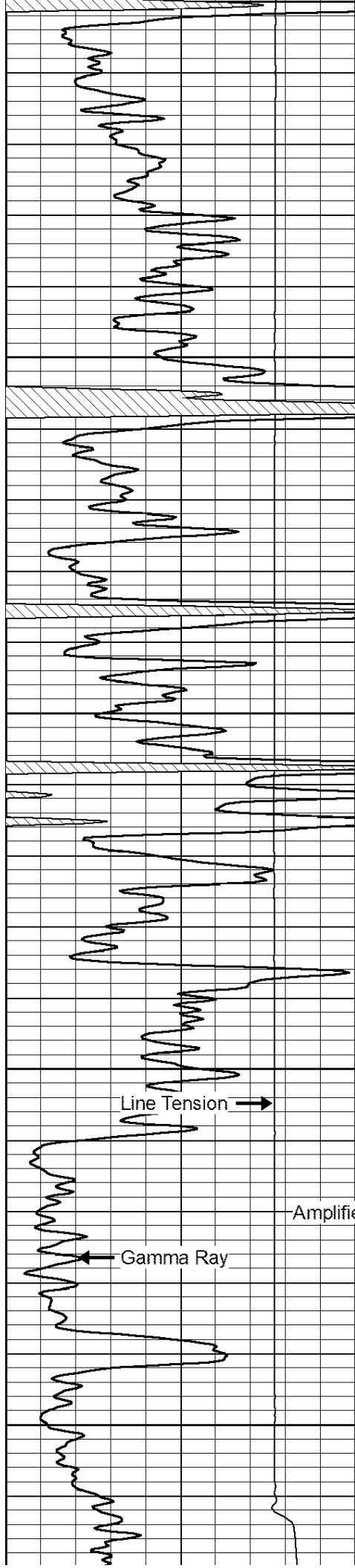
4150

4200

4250

4300





0	Gamma Ray	150	amp3ft	4	Casing Collars	-0.6	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			



Repeat Section

Database File: h&c_dinges_#19-1.db
 Dataset Pathname: grcbl/pass3.1
 Presentation Format: cbldr
 Dataset Creation: Mon Aug 13 11:11:11 2012 by Calc SCH 111116
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	amp3ft	4	Casing Collars	-0.6	200	wvf5ft	1200
			(mV)	0	Amplified Amplitude (mV)	100			
			-100 10	0	Pipe Amplitude (mV)	20			

