

CEMENT BOND LOG

Company		LASSO ENERGY		Company		LASSO ENERGY	
Well		McCLAREN "B" #1		Well		McCLAREN "B" #1	
Field		NICHOLS		Field		NICHOLS	
County		KIOWA		County		KIOWA	
State		KANSAS		State		KANSAS	
Location		330' FNL & 330' FEL		Other Services		PERFS	
SEC. 6		TWP. 30S		RGE. 18W		Elevation	
Permanent Datum		GROUND LEVEL		Elevation		2235	
Log Measured From		KELLEY BUSHING 13' AGL		K.B. 2248		D.F. 2247	
Drilling Measured From		KELLY BUSHING		G.L. 2235			
Date	7-22-2013						
Run Number	ONE3						
Depth Driller	5570						
Depth Logger	5515						
Bottom Logged Interval	5514						
Top Log Interval	3600						
Open Hole Size	WATER						
Type Fluid							
Density / Viscosity							
Max. Recorded Temp.	3800						
Estimated Cement Top							
Time Well Ready							
Time Logger on Bottom							
Equipment Number	#53						
Location	GREAT BEND						
Recorded By	LANCE GREGG						
Witnessed By	BRUCE KELSO						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625	#24	0	485			
Prot. String							
Production String	5.5	#15	0	5569			
Liner							

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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

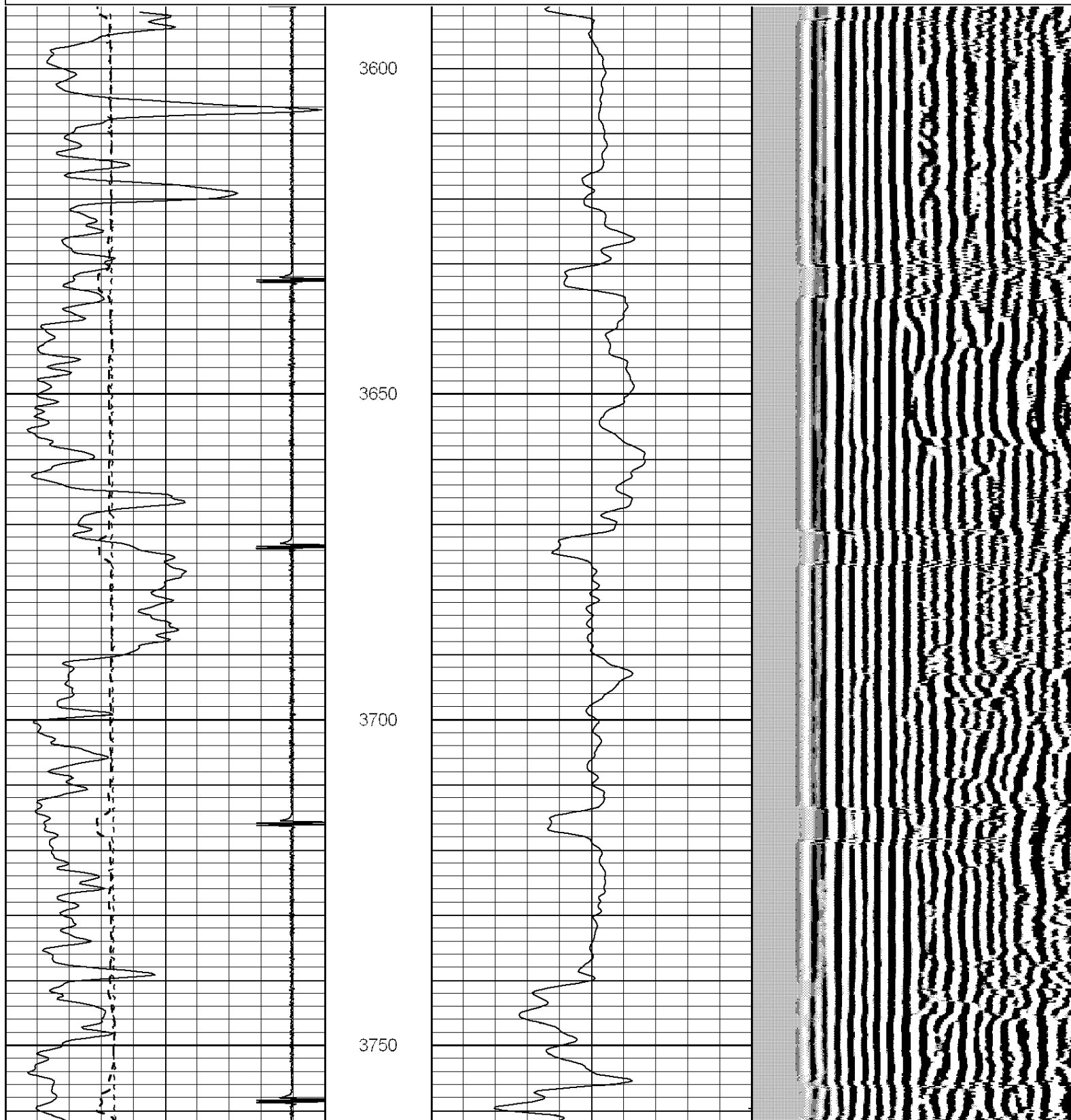
THANK YOU FOR USING LOG TECH OF KANSAS

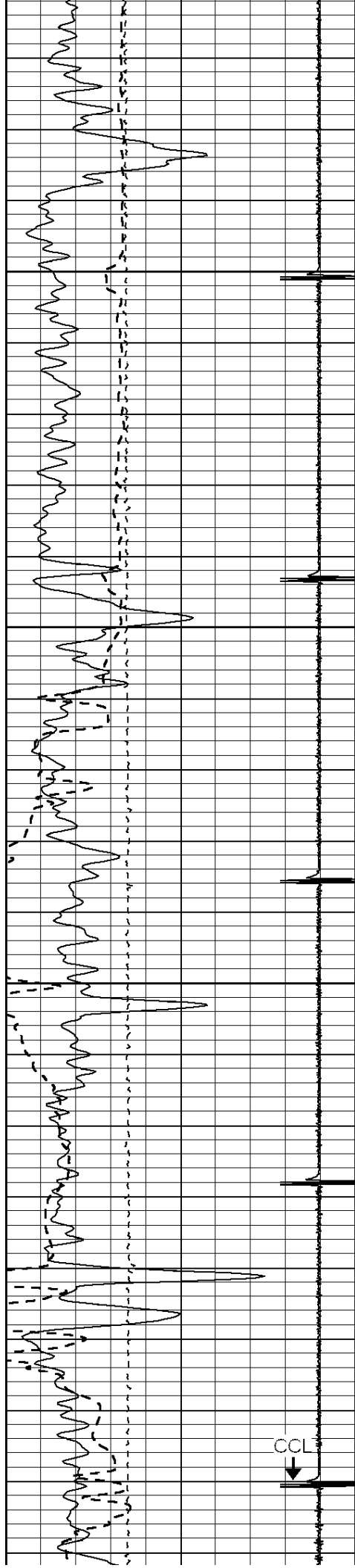
DIRECTIONS
GREENSBURG KS, HWY, 183, & 54
SOUTH 9.5 MILES WEST INTO

NOTES, PERFORTATED 5087-5071- ON 7-22-2013
PERFORATED 5031-5075- ON 8-12-2013

Database File: mcclarenc.db
Dataset Pathname: pass3
Presentation Format: cbl02
Dataset Creation: Mon Jul 22 08:32:09 2013 by Log 6.1
Charted by: Depth in Feet scaled 1:240

320	Travel Time (usec)	120	0	AMPLITUDE (mV)	100	200	Variable Density	1200
9	Collar Locator	-1	0	X5 AMPLITUDE (mV)	20			
0	Gamma Ray (GAPI)	150						
0	LTEN (lb)	2000						





3800

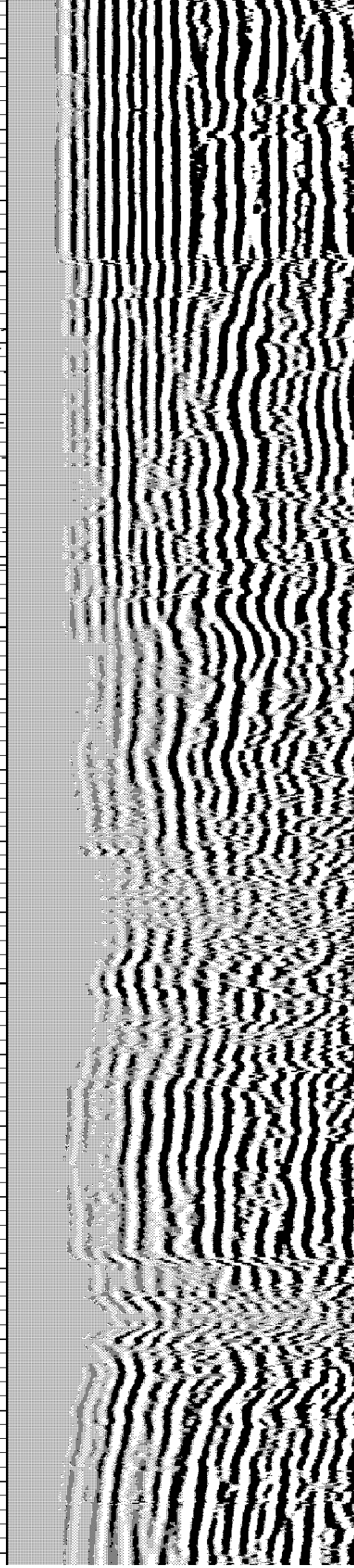
Top of Cement

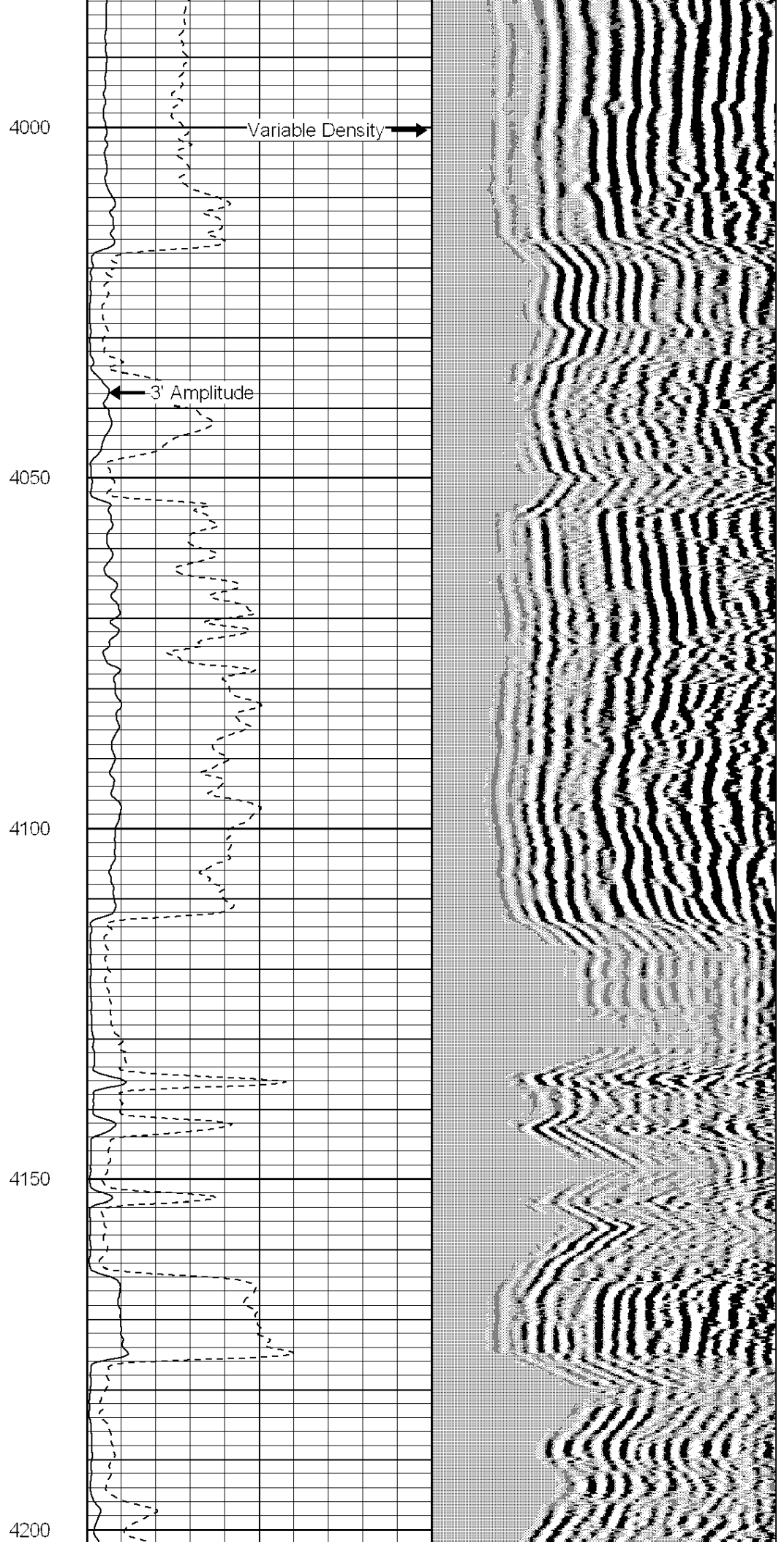
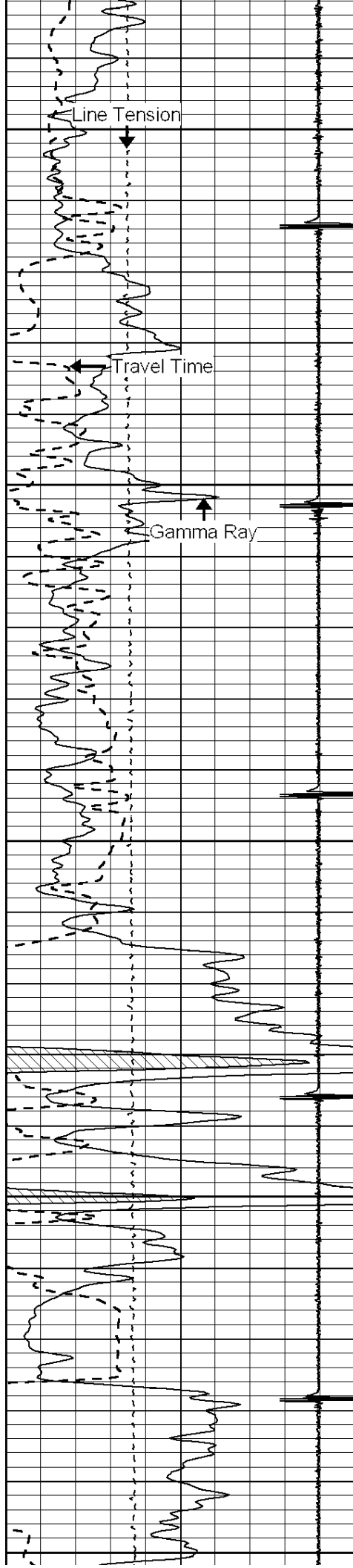
3850

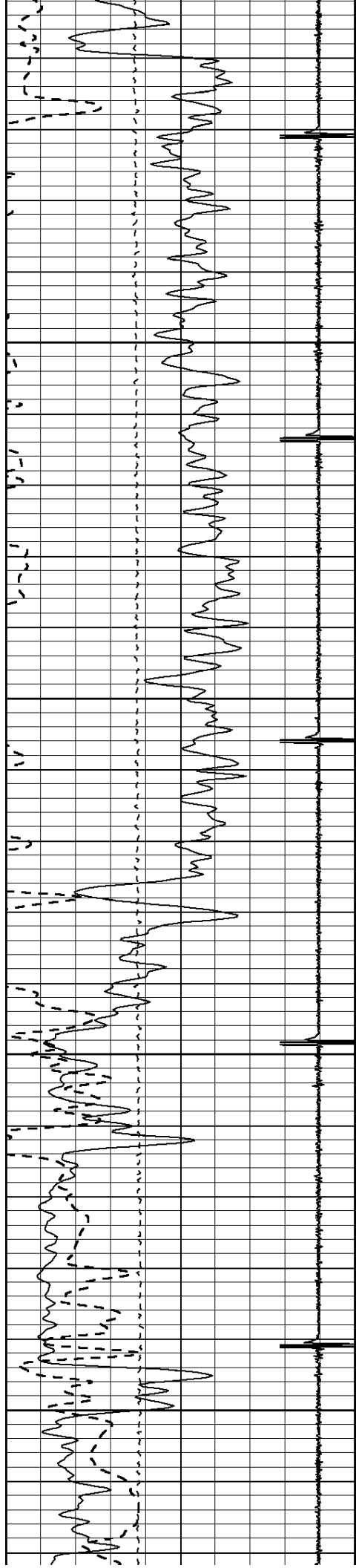
3900

3950

(X5 AMPLITUDE)





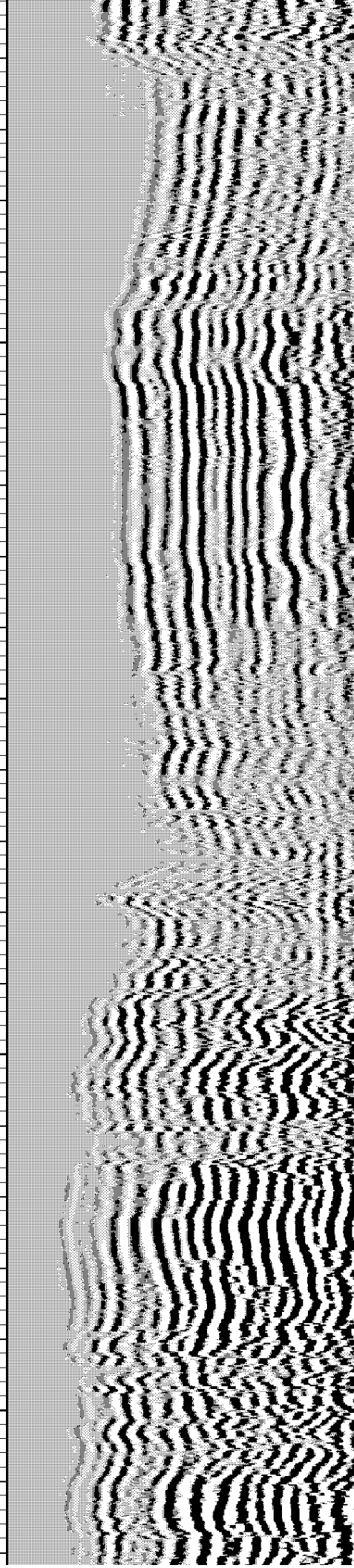
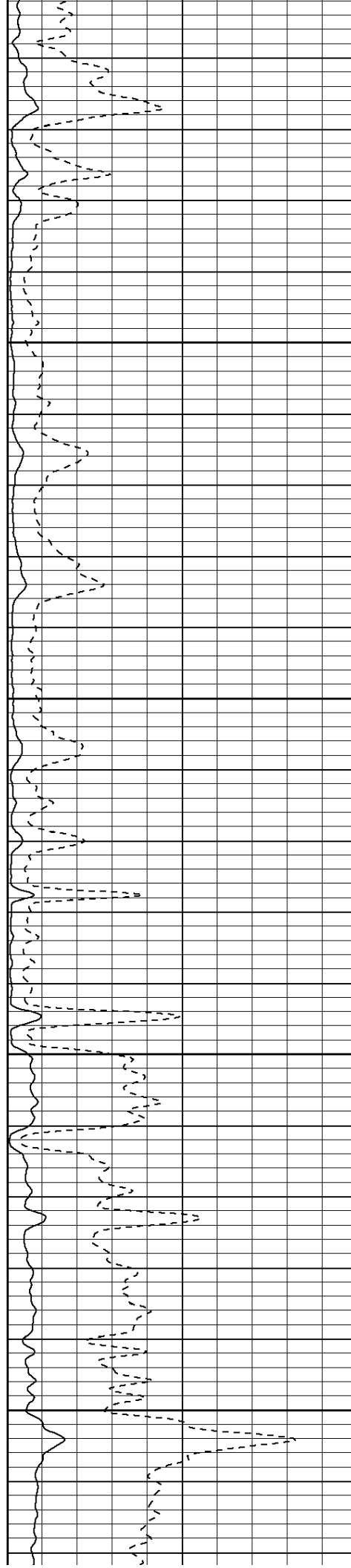


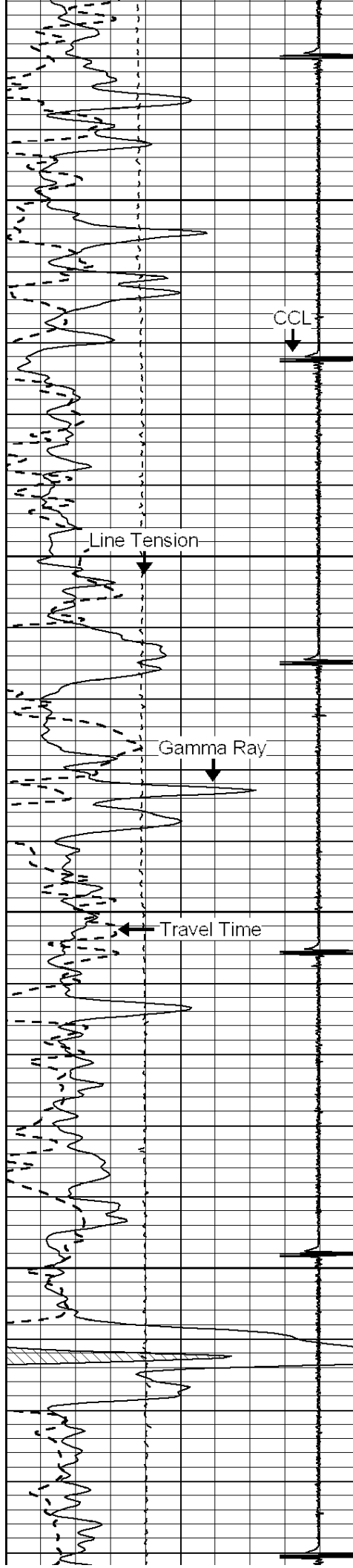
4250

4300

4350

4400





4450

CCL

Line Tension

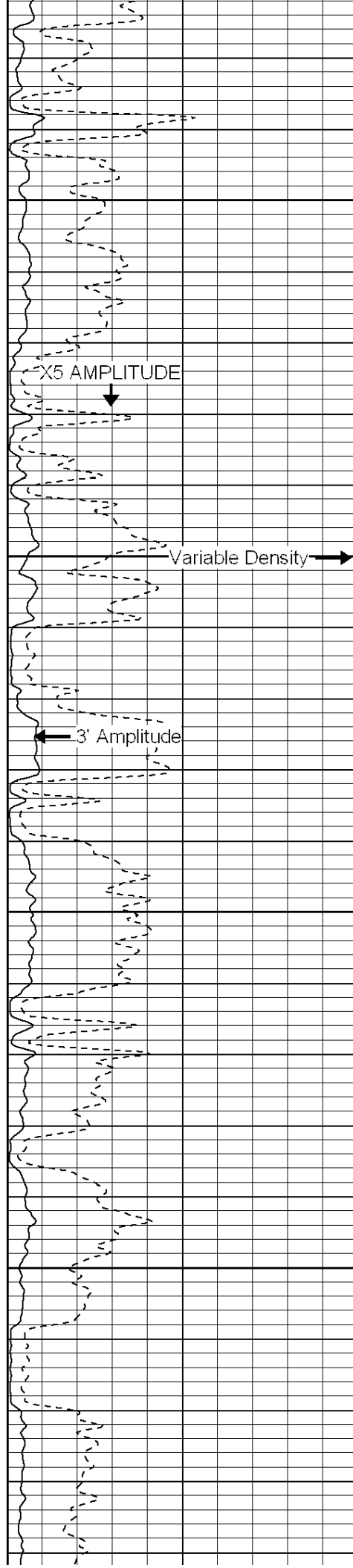
Gamma Ray

Travel Time

4500

4550

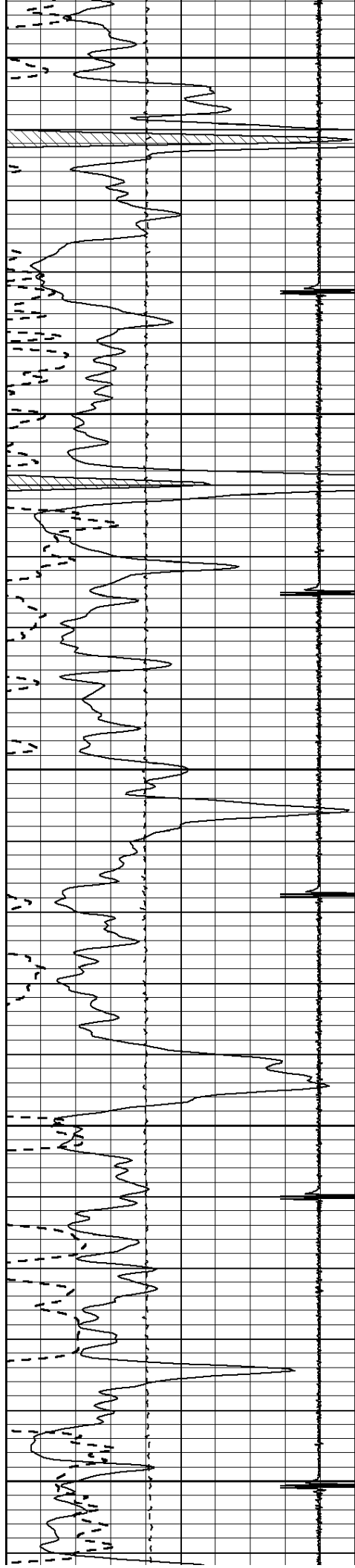
4600



X5 AMPLITUDE

Variable Density

3' Amplitude



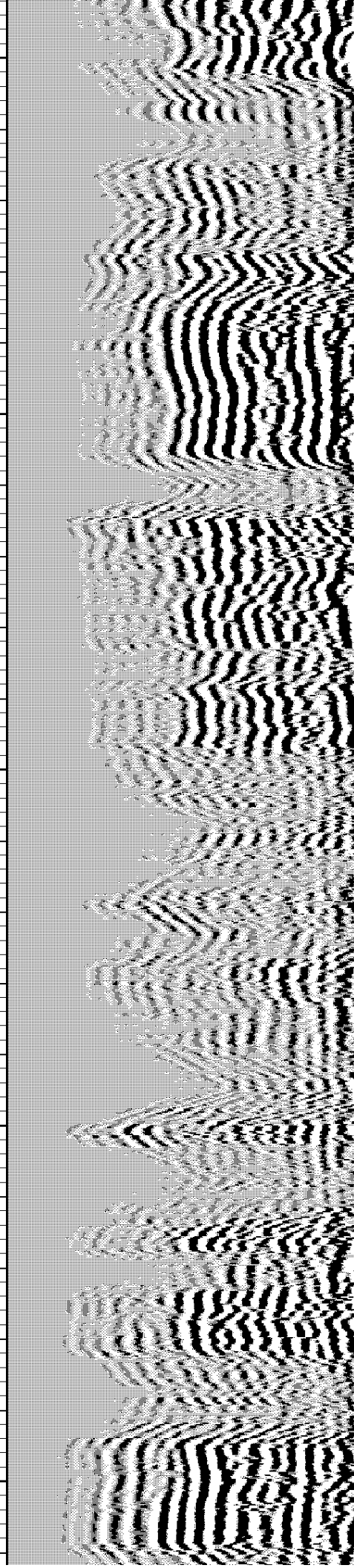
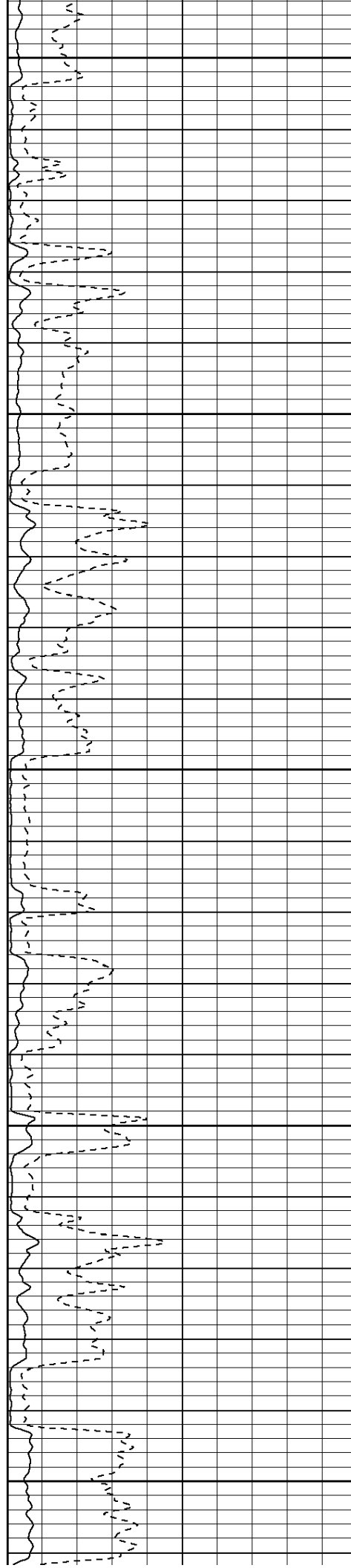
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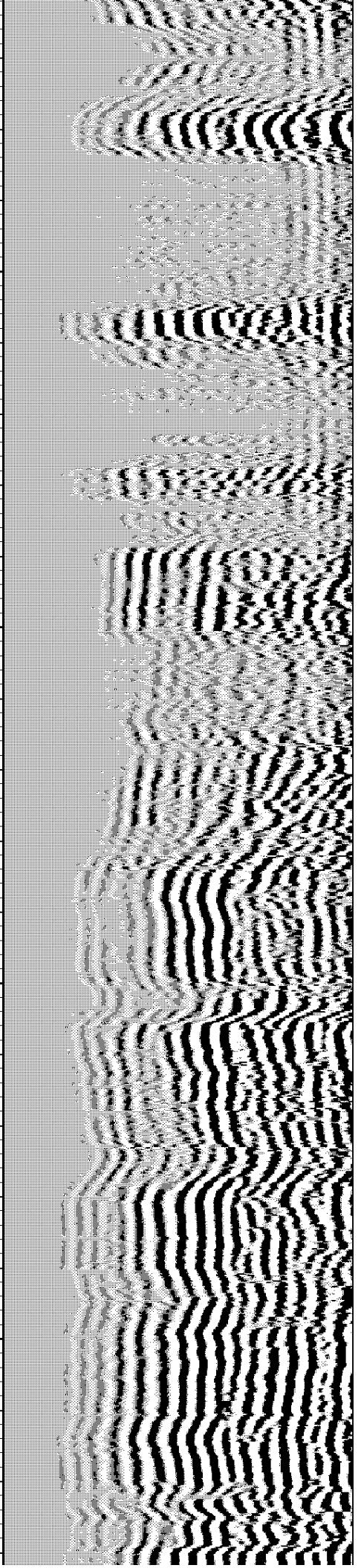
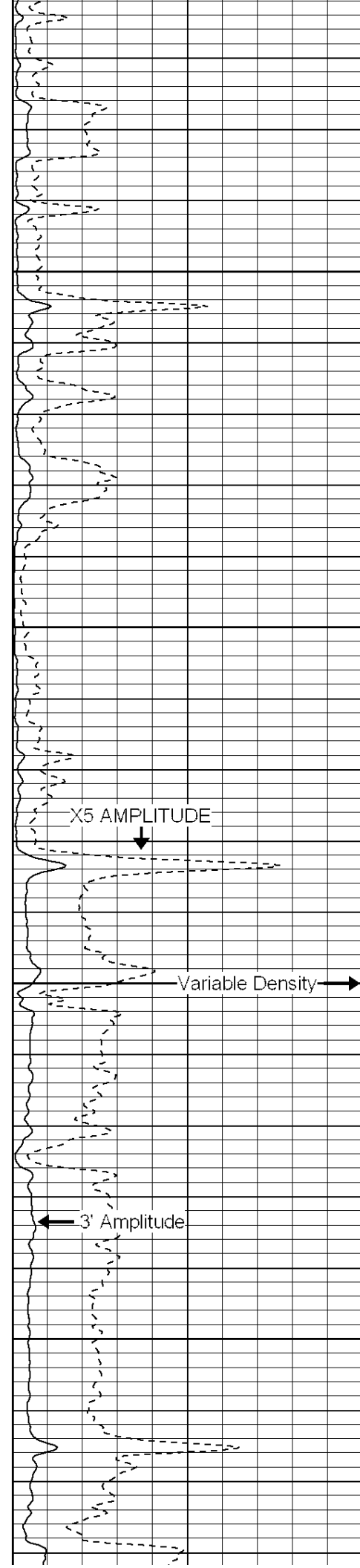
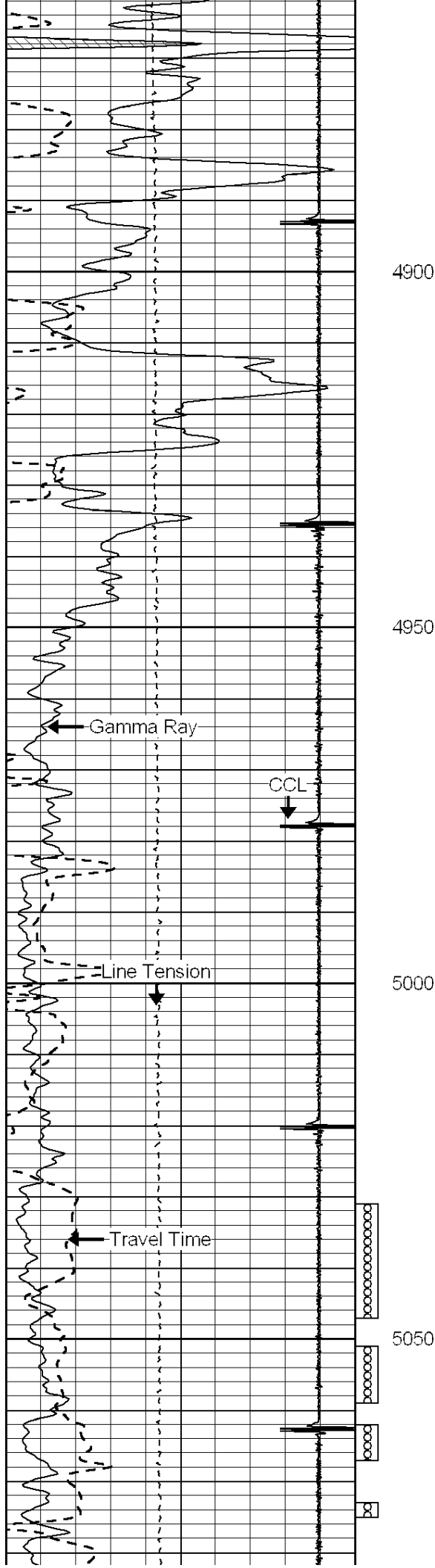
4700

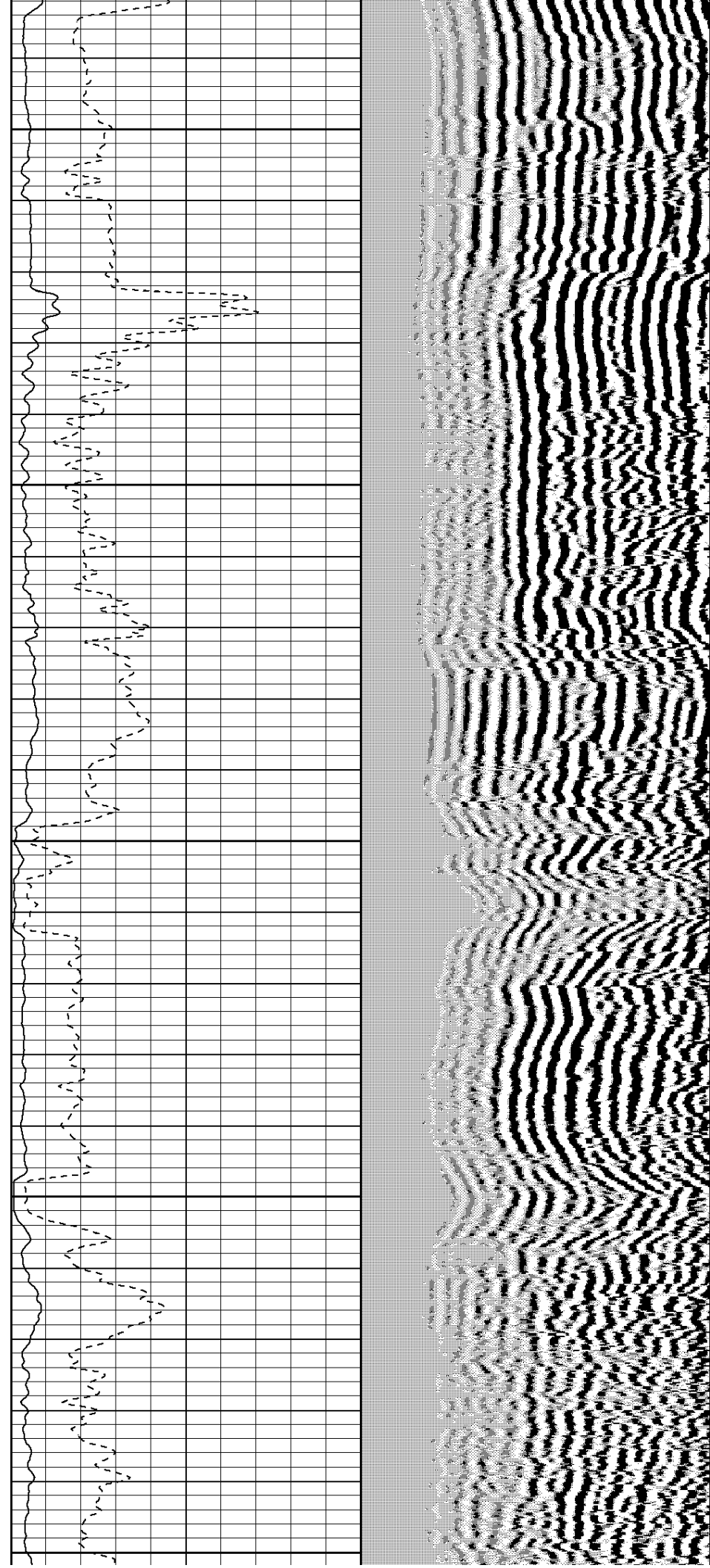
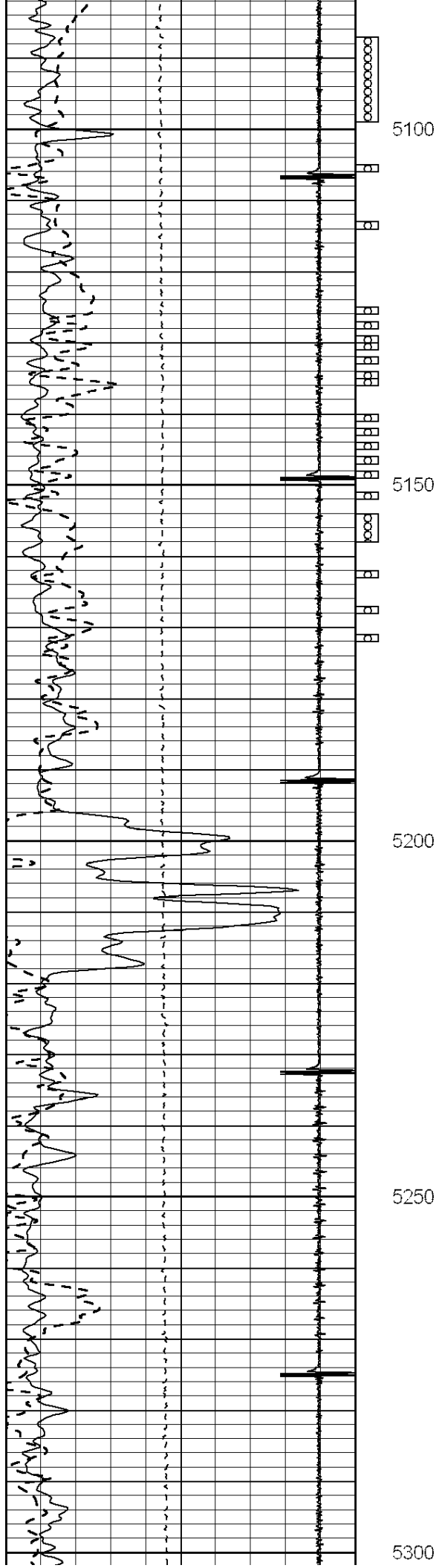
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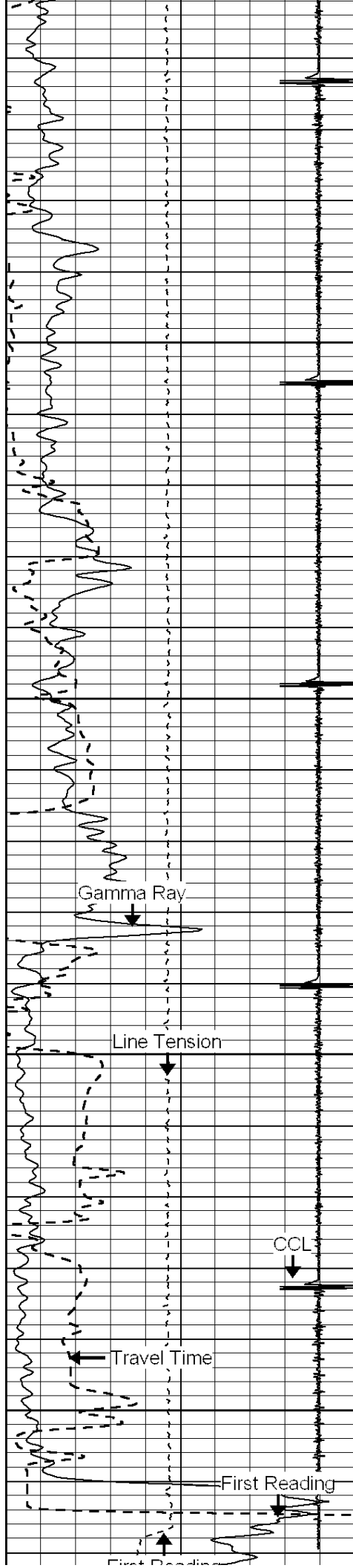
4800

4850









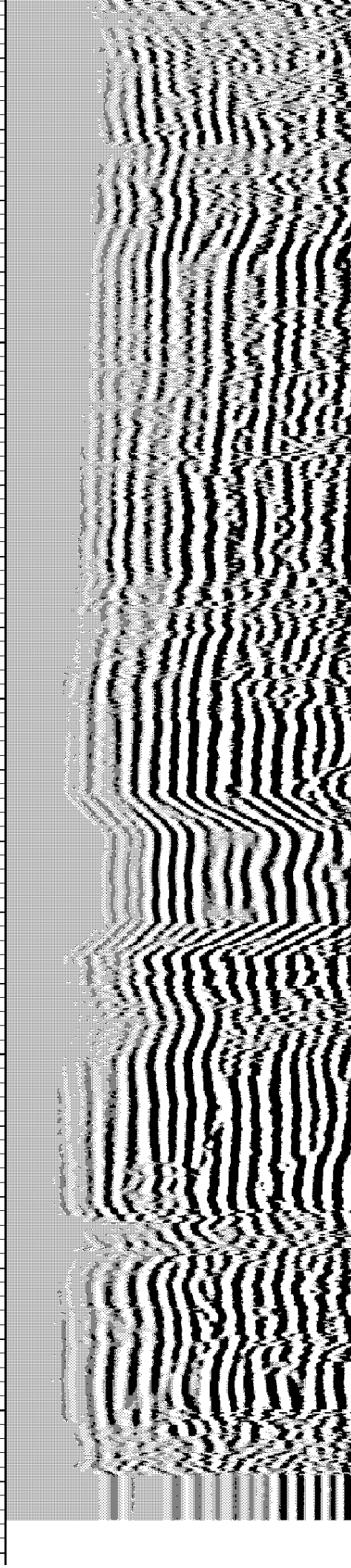
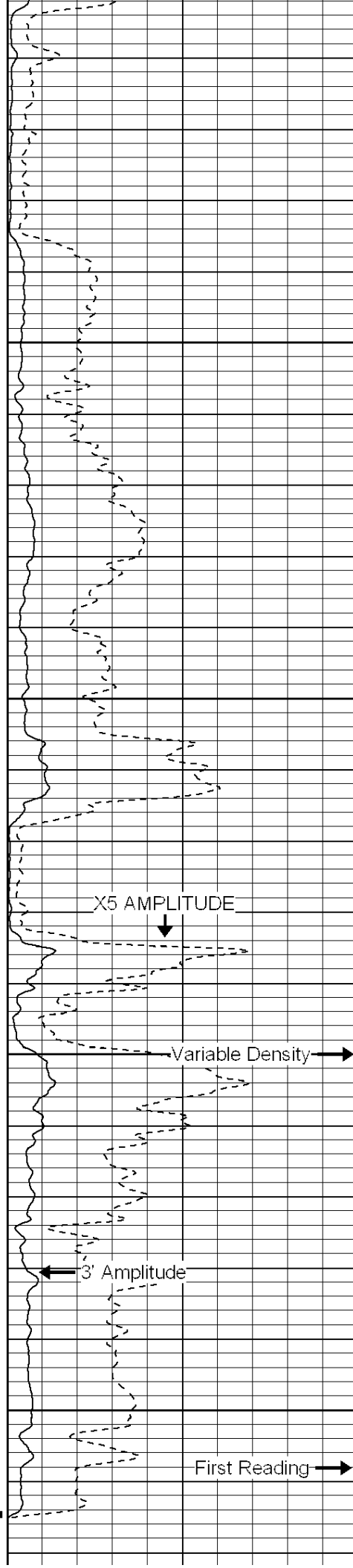
5350

5400

5450

5500

5515' LTD



320	Travel Time (usec)	120
9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
0	LTEN (lb)	2000

0	AMPLITUDE (mV)	100
0	X5 AMPLITUDE (mV)	20

200 Variable Density 1200

LOG-TECH
of Kansas
Inc.
 GREAT BEND, KANSAS

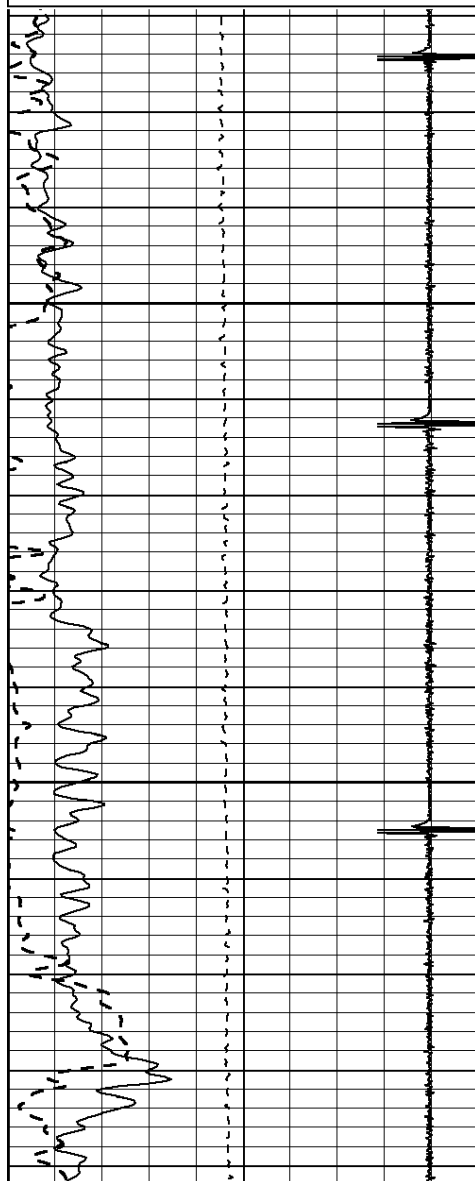
REPEAT SECTION

Database File: moclarenc.db
 Dataset Pathname: pass2
 Presentation Format: cbl02
 Dataset Creation: Mon Jul 22 08:22:17 2013 by Log 6.1
 Charted by: Depth in Feet scaled 1:240

320	Travel Time (usec)	120
9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
0	LTEN (lb)	2000

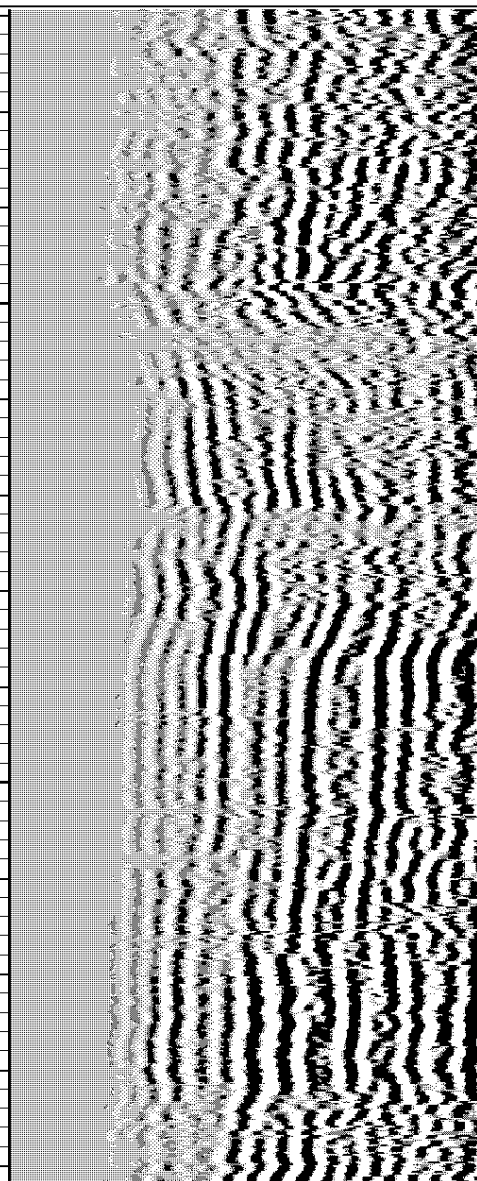
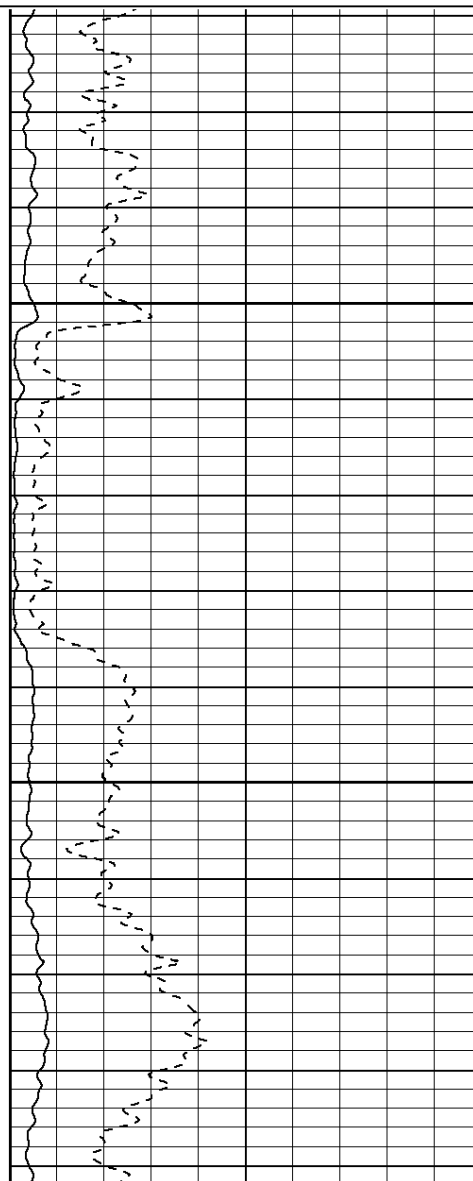
0	AMPLITUDE (mV)	100
0	X5 AMPLITUDE (mV)	20

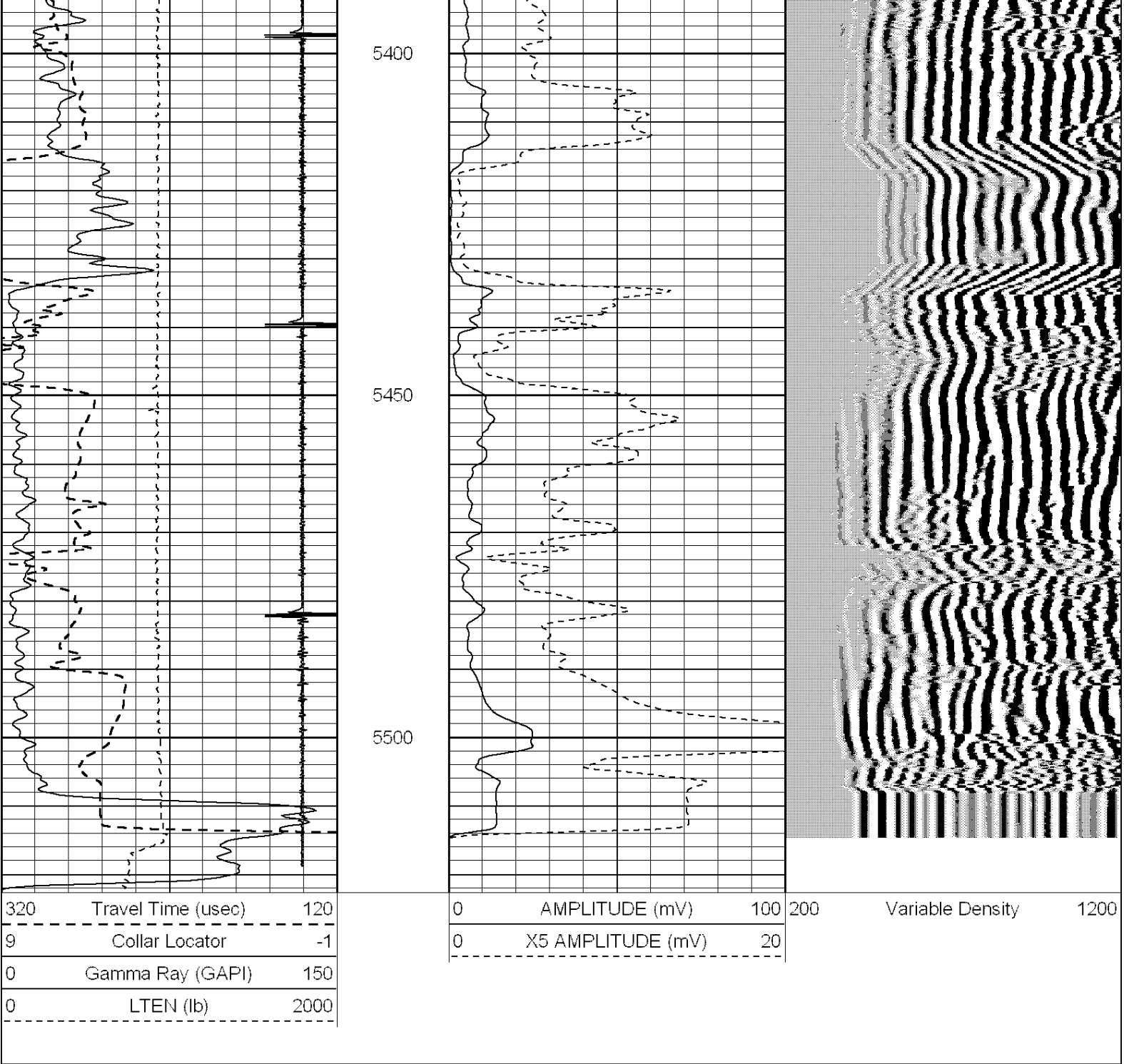
200 Variable Density 1200

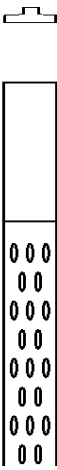


5300

5350





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-STNDRD (1) Standard Cable Head	1.00	1.44	10.00

