NABORS COMPLETION & PRODUCTION SERVICES CO.

CEMENT BOND
VARIABLE DENSITY
GAMMA RAY
CASING COLLARS

Company	NOBLE ENERGY, INC
Well	FIELDS X 8-14
Field	WATTENBURG
County	WELD
State	COLORADO

Company NOBLE ENERGY, INC

Well FIELDS X 8-14

Field WATTENBURG

County WELD **State** COLORADO

Location: API #:

SE/SW

SEC 8 TWP 2N RGE 65W

Other Services

Permanent Datum
Log Measured From
Drilling Measured From

Elevation

Elevation
K.B.
D.F.
G.L.

Date	5-15-13		
Run Number	ONE		
Depth Driller			
Depth Logger			
Bottom Logged Interval	5000'		
Top Log Interval	SURFACE		
Casing Size	2 7/8"		
Type Fluid	WATER		
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger On Bottom			
Unit Number	4367		
Tool Size / ID Number	1 11/16" TEKCO		
Location	FT LUPTON		
Recorded By	BRACKELSBERG		
Witnessed By	MR.TRUMBLE		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
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 CALLING
NABORS COMPLETION AND PRODUCTION SERVICES CO.
NOTE: LOG NOT CORROLATED

Calibration Report

Database File:	cblfields x8-14.db
Dataset Pathname:	pass5
Dataset Creation:	Wed May 15 07:52:09 2013 by Log SCH 120430

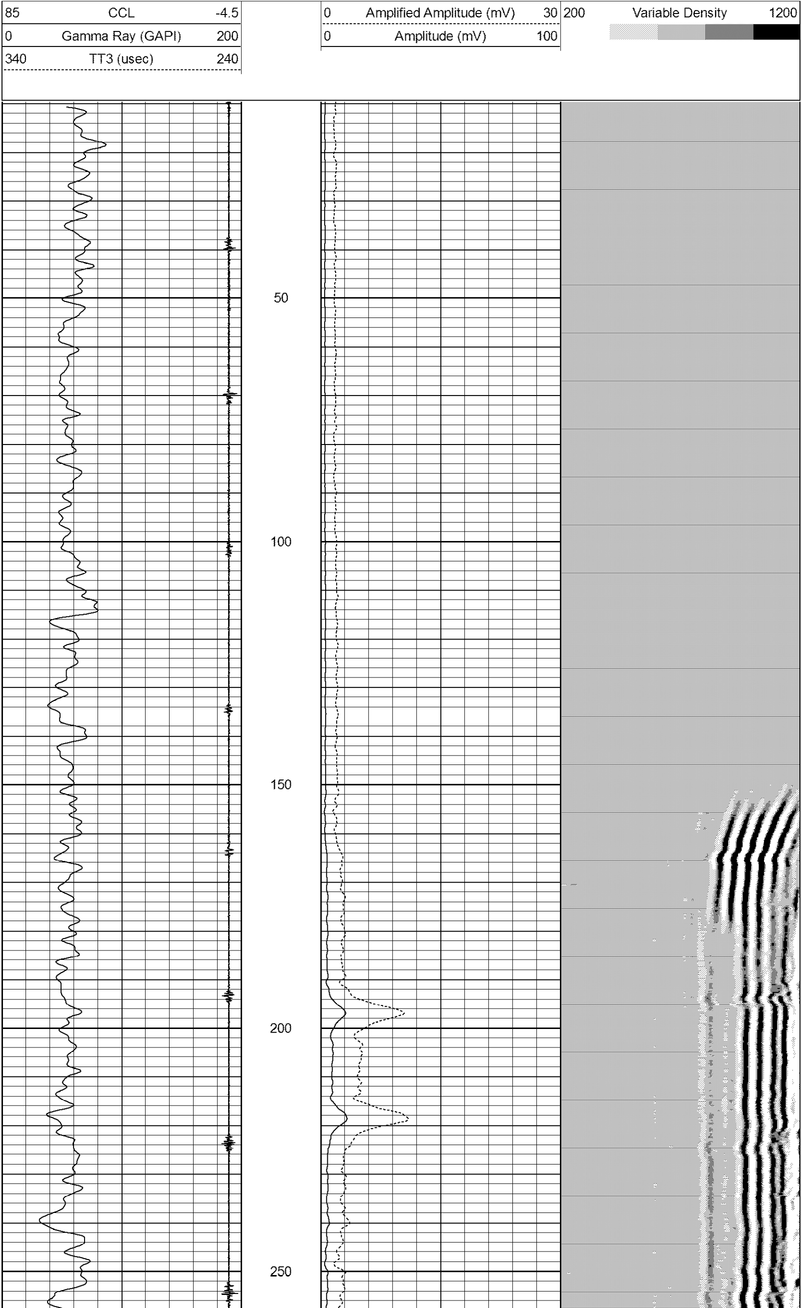
Gamma Ray Calibration Report

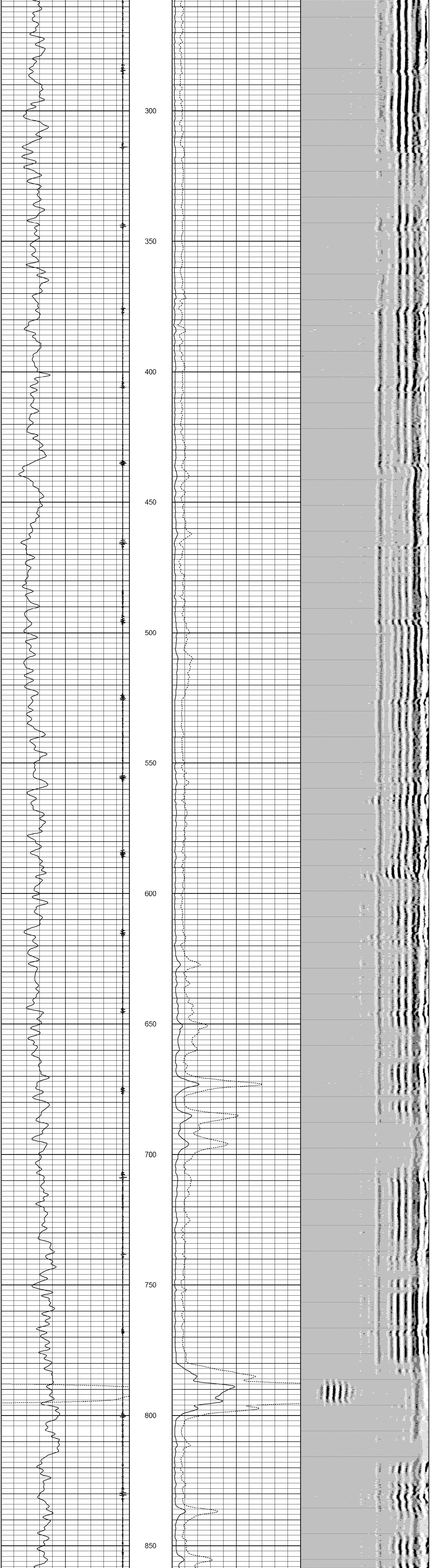
Serial Number:	1-11/16T	
Tool Model:	T1-11/16	
Performed:	Thu Apr 18 07:54:09 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

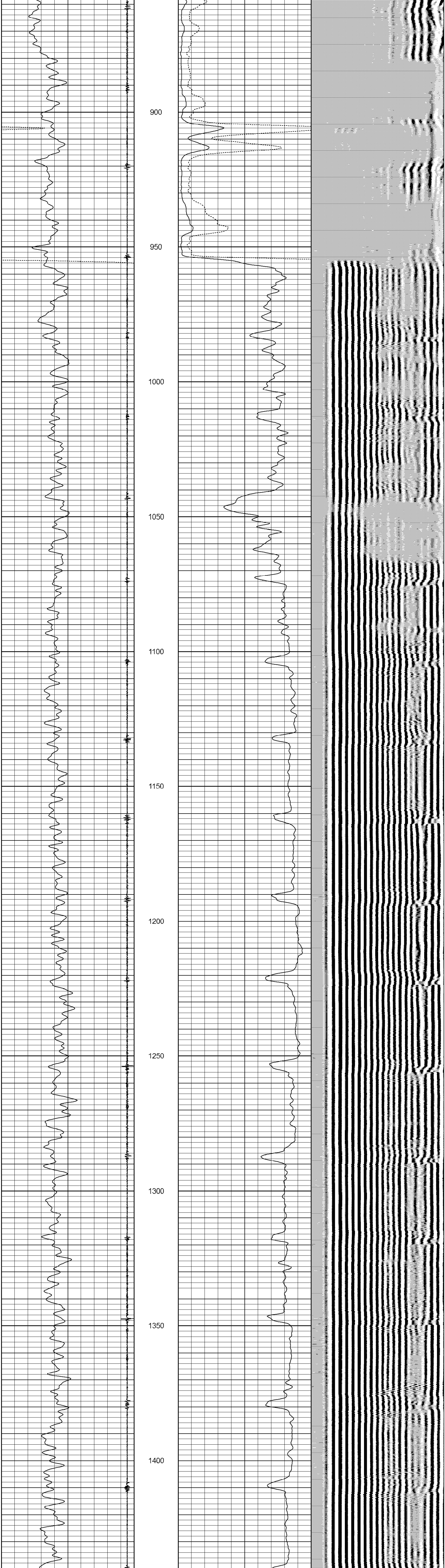
Cement Bond Log Calibration Report

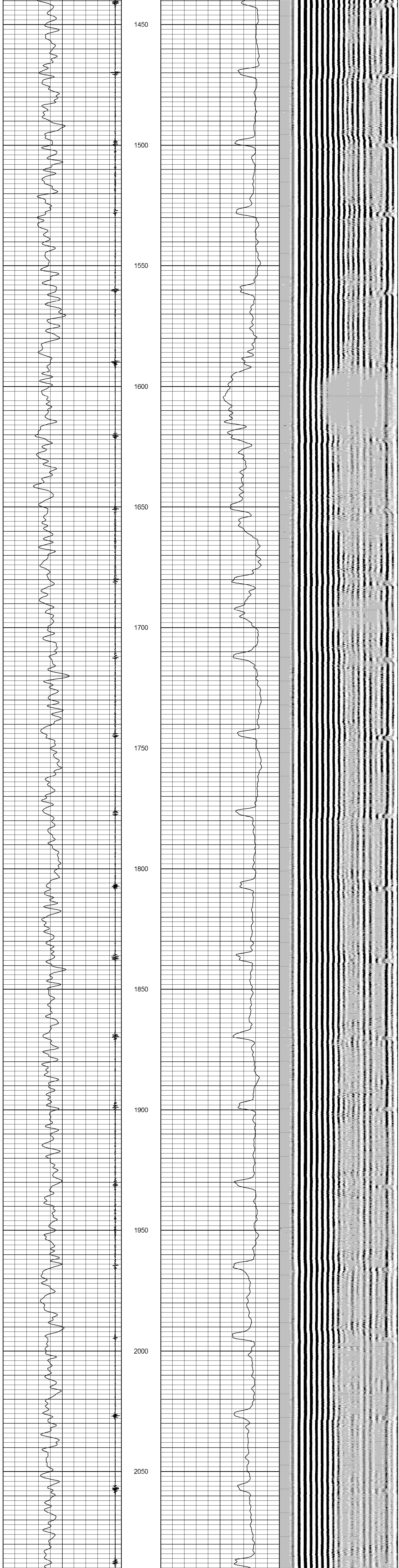
Serial Number:	TEKCO-01		
Tool Model:	TEKCO-1x2		
Performed:	Wed May 15 07:43:20 2013		
Depth:	1506.06	ft	
Casing Diameter:	2.875	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	93.175	106.451	mV
Reading at Signal Zero:	-0.0115234	-0.0112305	V
Reading in Free Pipe:	2.26443	2.5	V
Gain:	40.5434	42.39	
Offset:	1.3672	0.476059	

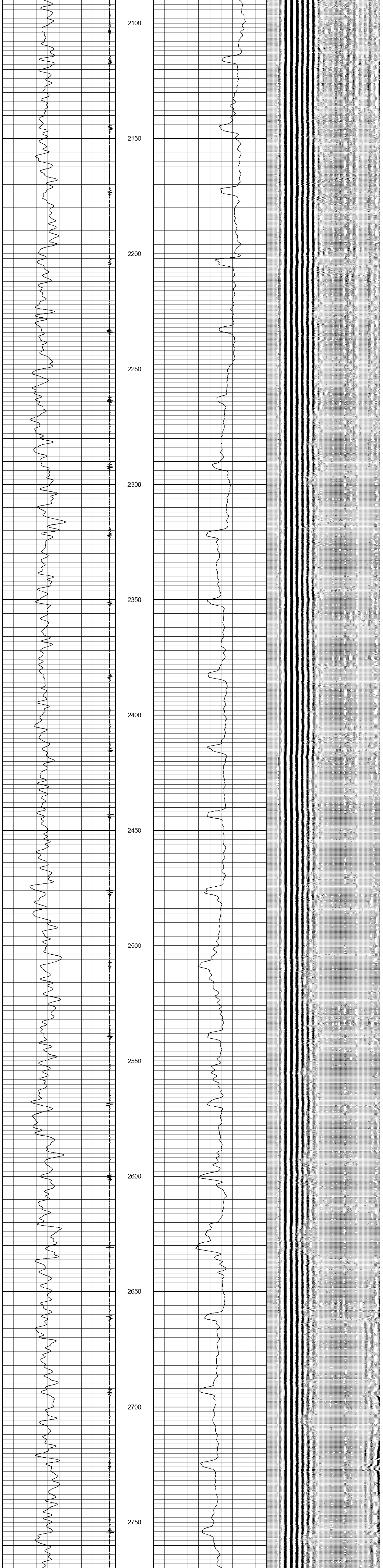
Database File:	cblfields x8-14.db
Dataset Pathname:	pass5
Presentation Format:	nuexcbl
Dataset Creation:	Wed May 15 07:52:09 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

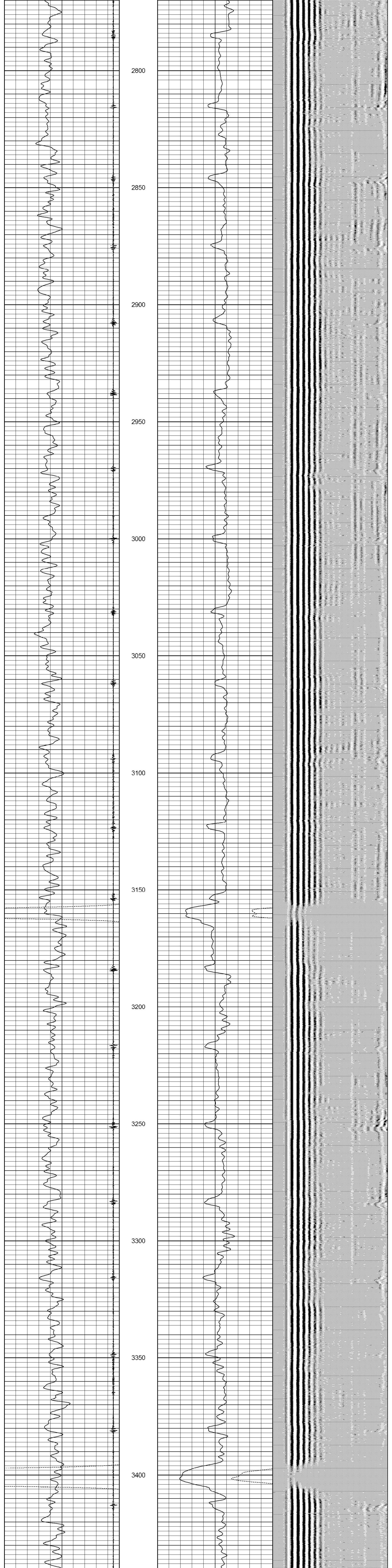


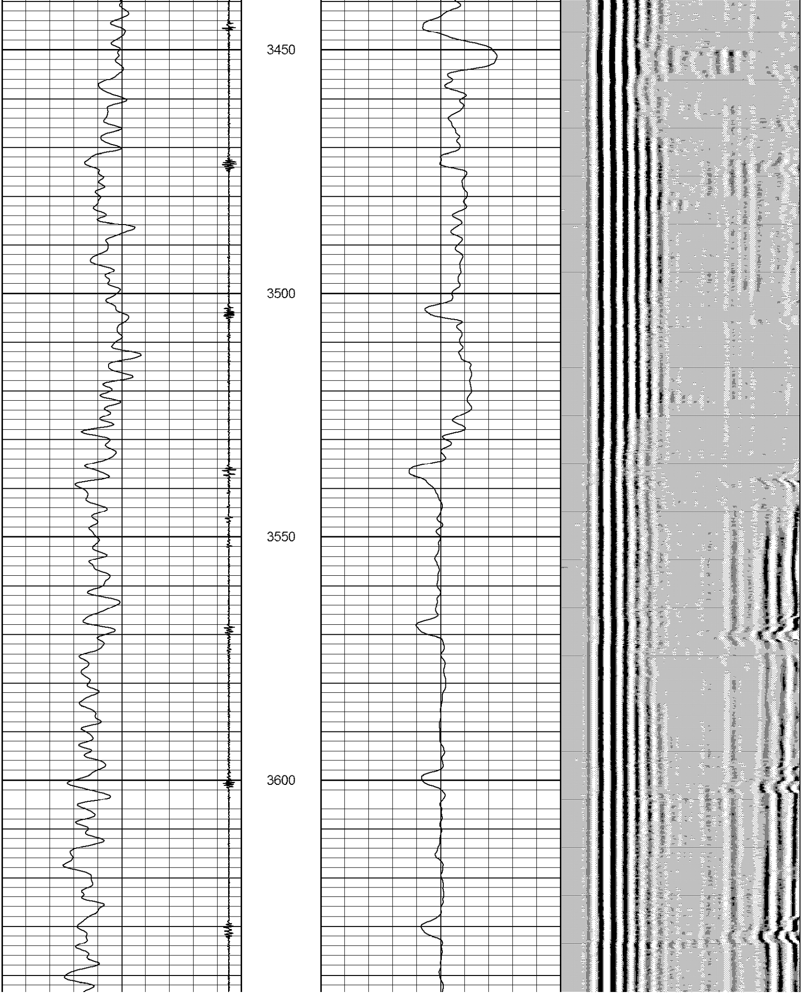


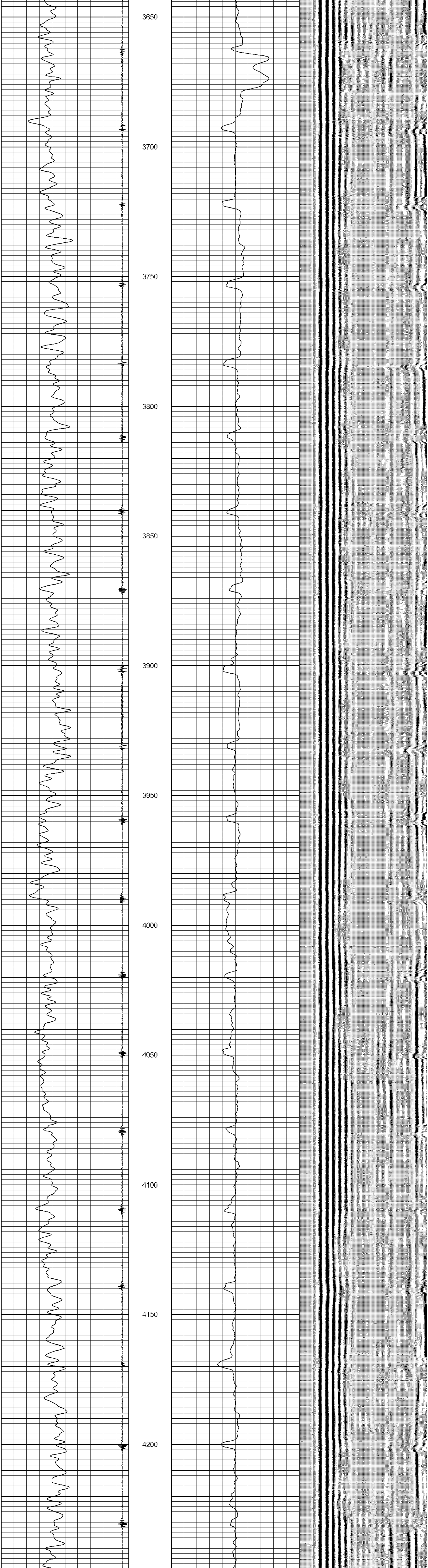








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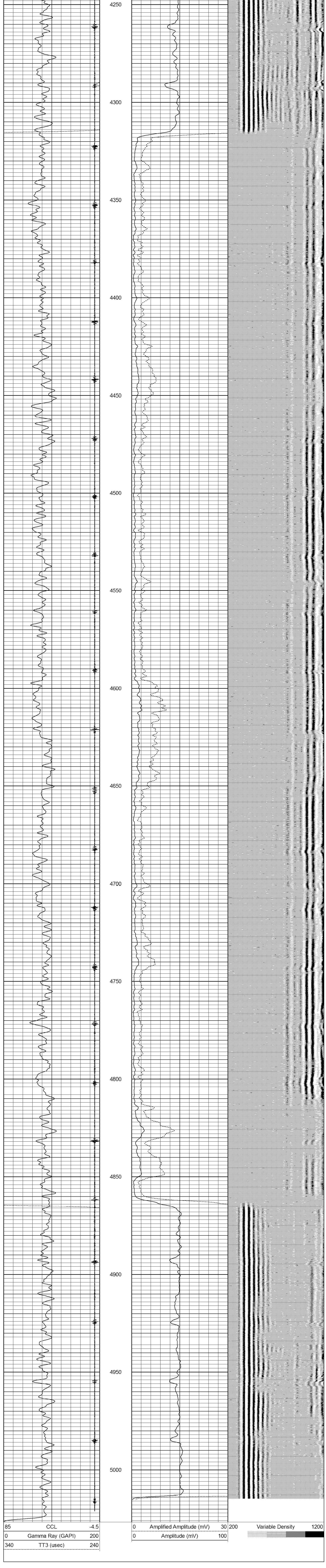
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4850
4900
4950
5000
85 CCL -4.5
0 Gamma Ray (GAPI) 200
340 TT3 (usec) 240
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200