J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	NOBLE ENERGY INC.
Well	GREEN USX EE 13-07
Field	WATTENBERG
County	WELD
State	COLORADO

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Well GREEN USX EE 13-07
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-31161-00
1891' FNL & 2160' FEL
SW NE
SEC. 13 TWP. 7N RGE. 65W
SEC TWP RGE

Other Services
NONE

		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	4971
Log Measured From	KELLY BUSHING		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 4984
D.F. 4983
G.L. 4971

Date	18-AUGUST-2010
Run Number	ONE
Depth Driller	7450
Depth Logger	7375
Bottom Logged Interval	7374
Top Log Interval	1900
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	240
Estimated Cement Top	2100
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/TECKO
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. MITCH TRIMBLE

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24 #	SURFACE	813
Prot. String				
Production String	4.5	11.6 #	SURFACE	7444
Liner				

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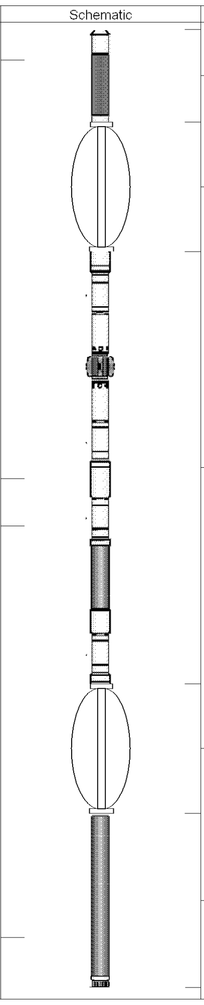
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

LOG CORRELATED TO CD,CN,ML LOG
DATED 29-JULY-2010

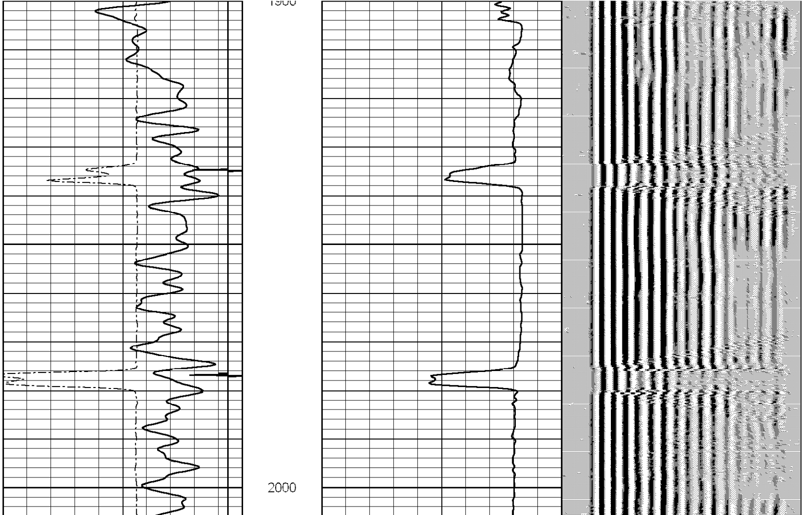
LOG SPLIT FOR CORRELATION PURPOSES

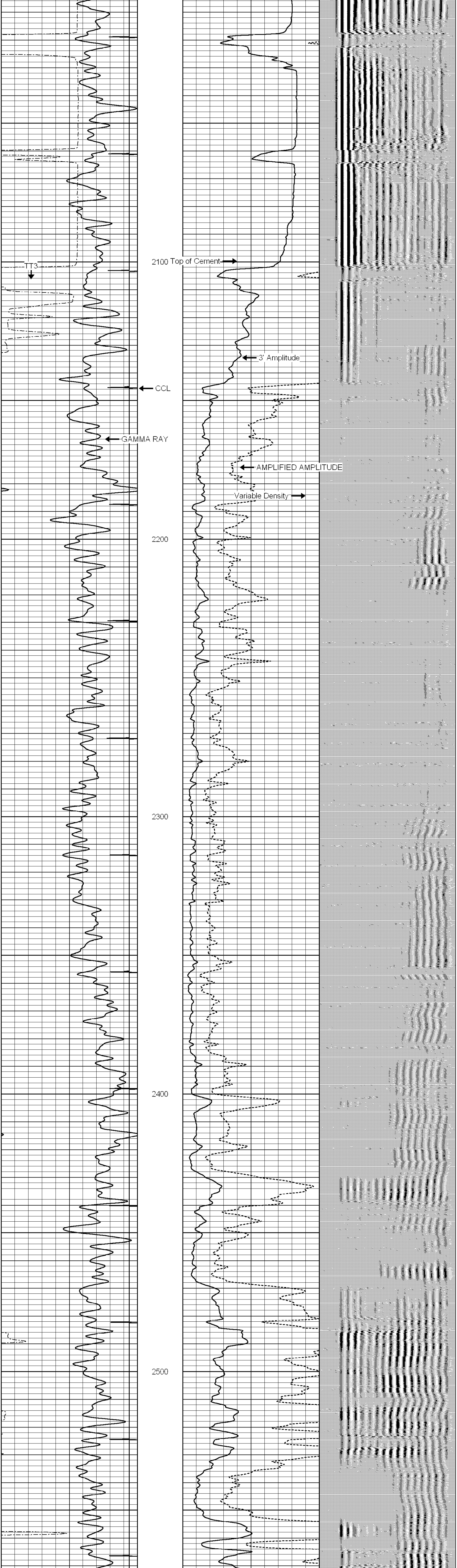
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.57		CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.96	2.75	20.00
			CENT-TEKCO (102)	2.73	2.75	10.00
WVF3	10.74		CBL-3_5tekold (3_5tekold001)	9.13	2.75	127.00
WVF5	9.74					
			CENT-TEKCO (101)	2.73	2.75	10.00
			GR-TEKCO (101SGR)	3.68	2.75	30.00
GR	1.06					

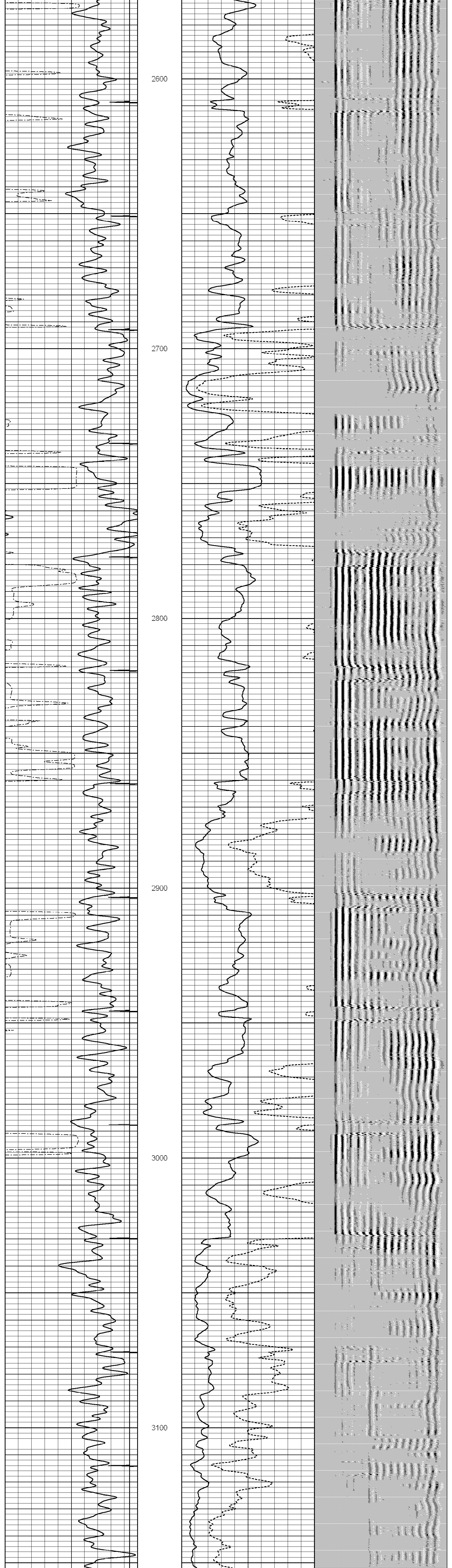
Dataset: green usx ee 13-07.db: field/well/run1/pass2
Total Length: 20.22 ft
Total Weight: 197.00 lb
O.D. 2.75 in

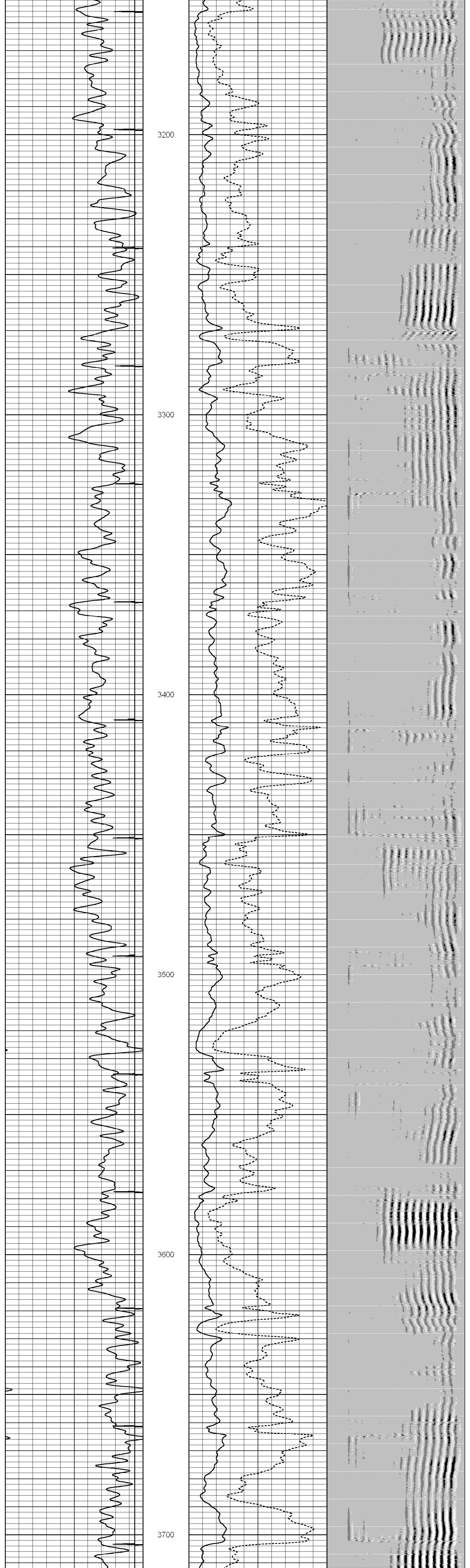
Database File: green usx ee 13-07.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Wed Aug 18 11:52:13 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

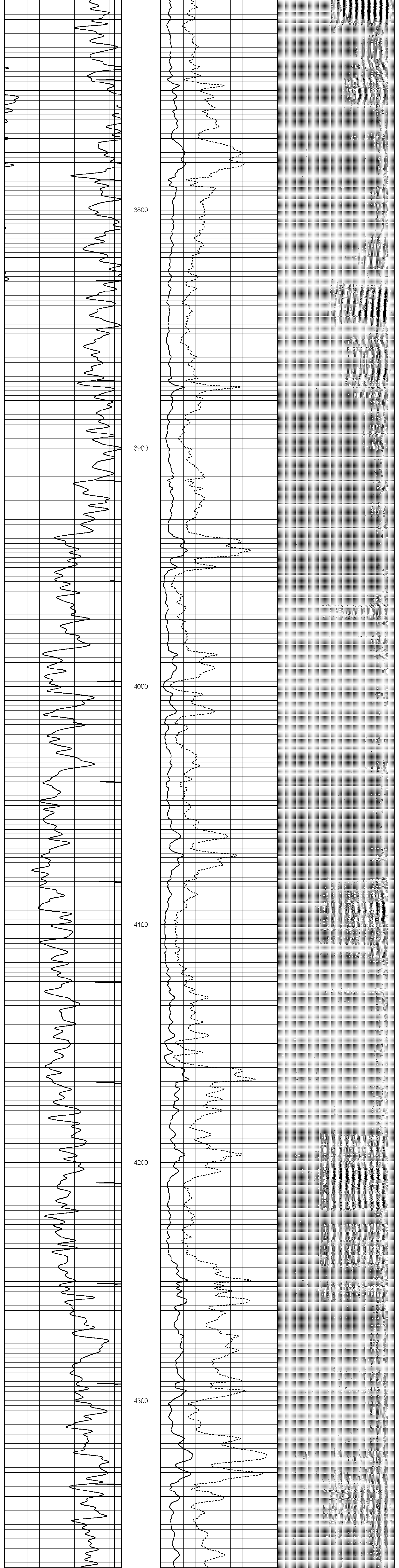
30	GAMMA RAY (GAPI)	130	0	AMPLITUDE (mV)	100	200	Variable Density	1200
12	CCL	-0.75	0	AMPLIFIED AMPLITUDE (mV)	30			
300	TT3 (usec)	200						

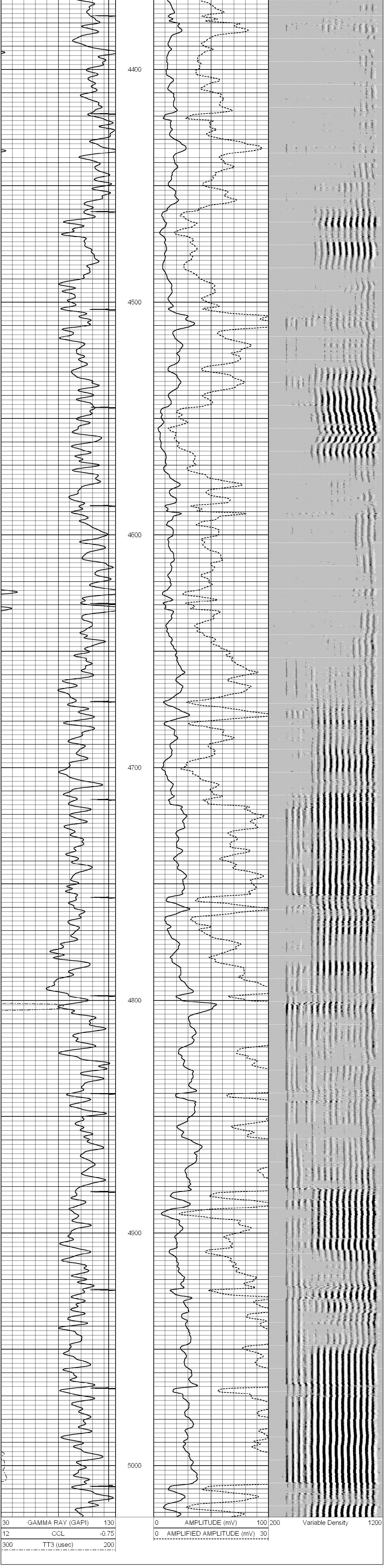




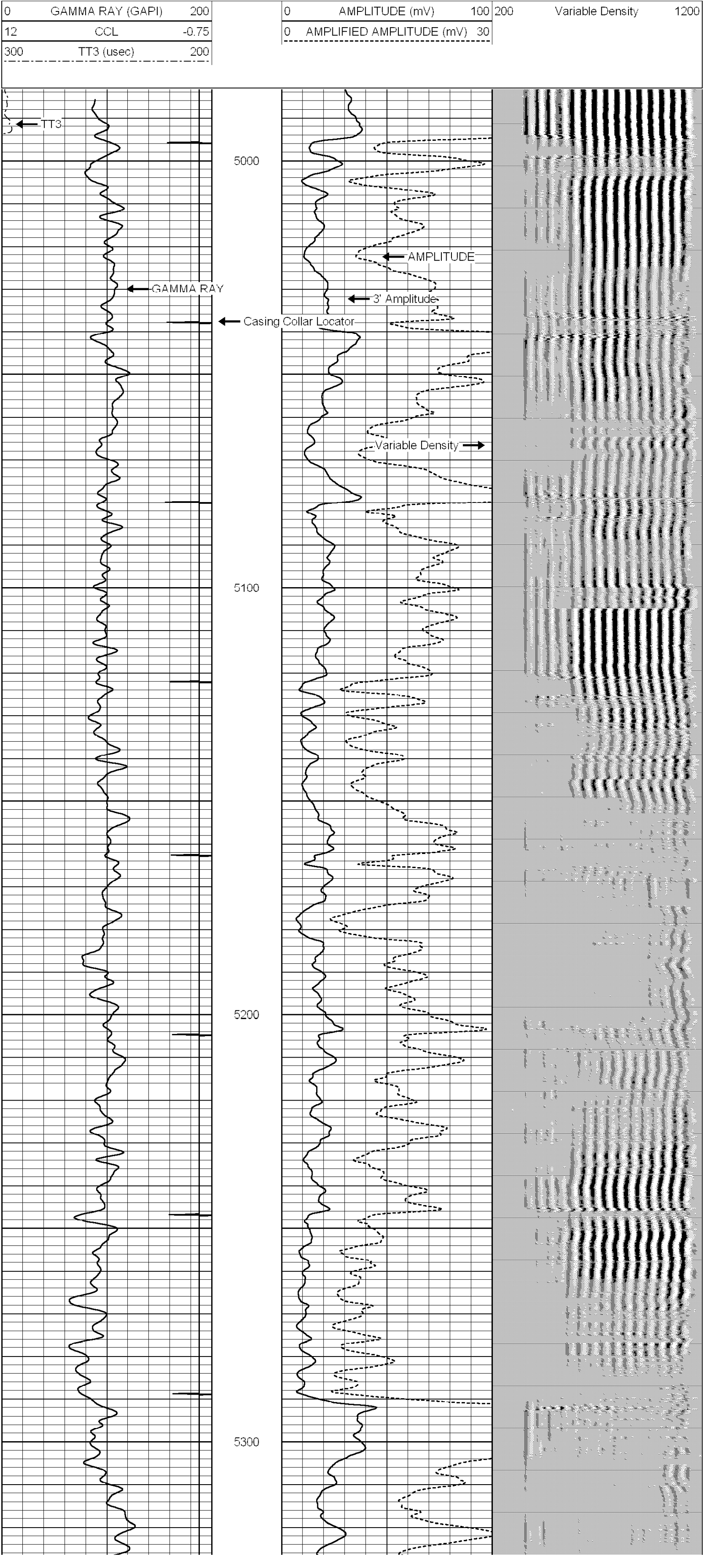


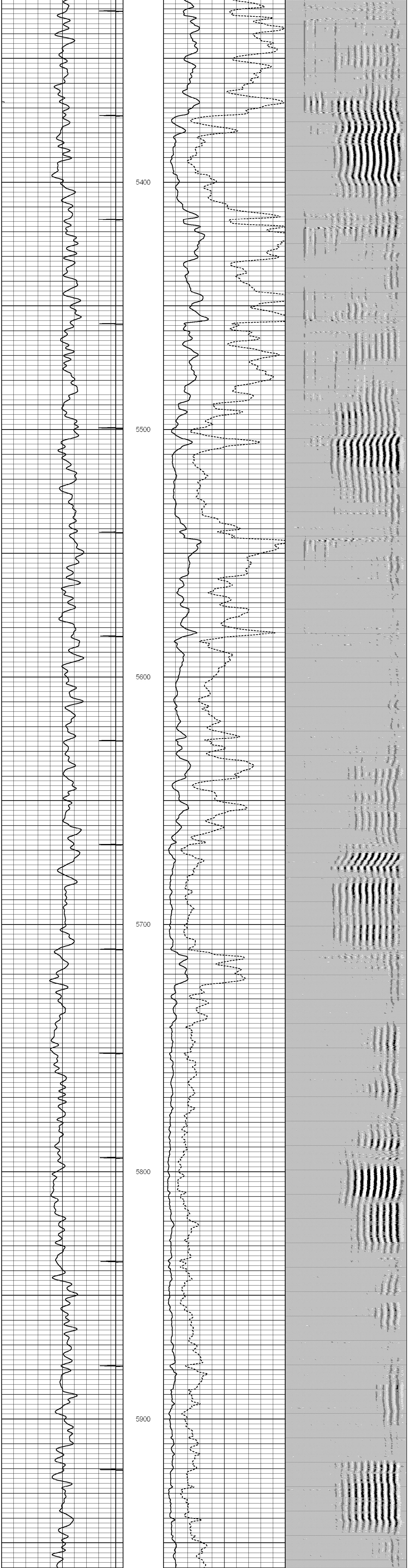


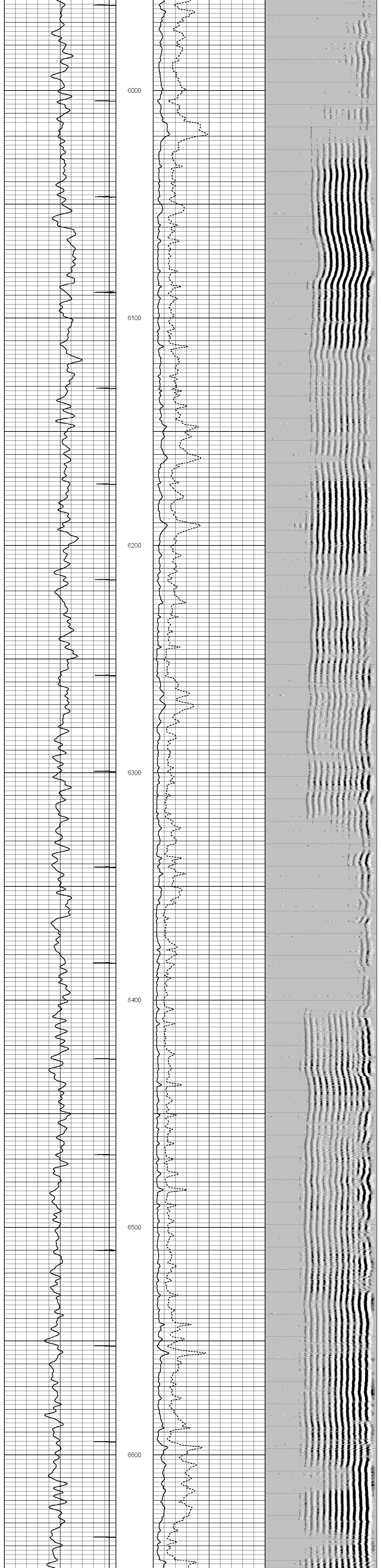


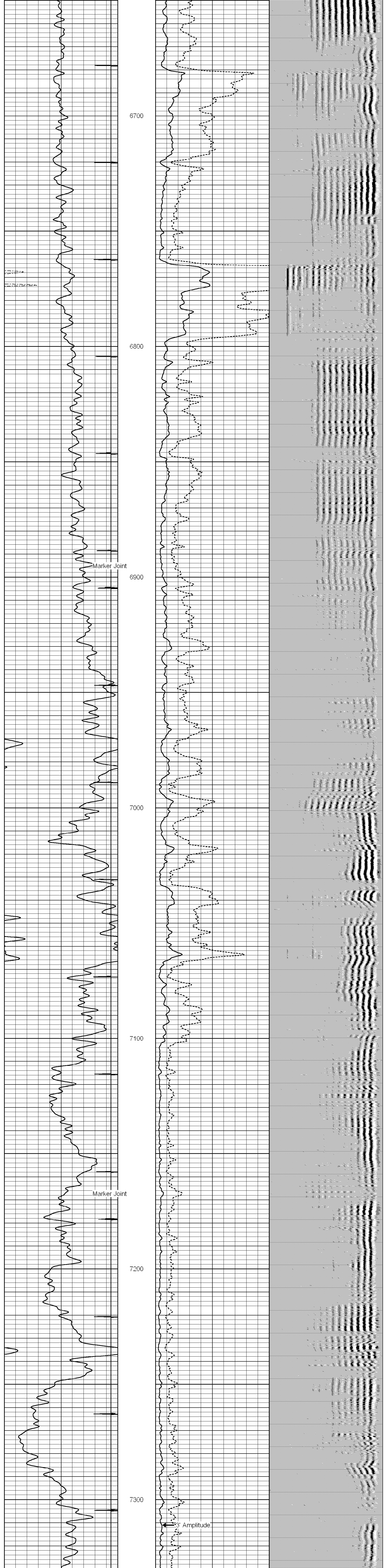


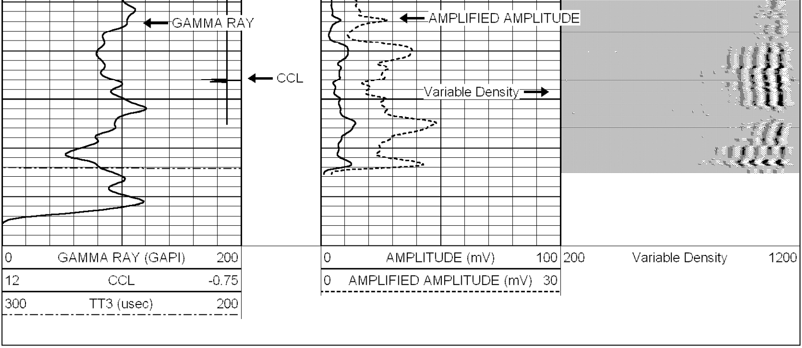
Database File:	green usx ee 13-07.db
Dataset Pathname:	pass1
Presentation Format:	cblx
Dataset Creation:	Wed Aug 18 11:20:10 2010 by Log Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240











Calibration Report

Database File: green usx ee 13-07.db
Dataset Pathname: pass2
Dataset Creation: Wed Aug 18 11:52:13 2010 by Log Std Casedhole 08121

Gamma Ray Calibration Report

Serial Number: 101SGR
Tool Model: TEKCO
Performed: Mon Jun 14 15:52:18 2010

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number: 3_5tekold001
Tool Model: 3_5tekold
Performed: Wed Aug 18 11:02:11 2010

Depth:	727.533	ft
Casing Diameter:	4.5	in

	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.05	0	V
Reading in Free Pipe:	2.42122	2.49878	V
Gain:	32.9772	31.2937	
Offset:	1.35114	3	