J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	BONANZA CREEK OPERATING CO. LLC
Well	NORTH PLATTE 31-34
Field	WATTENBERG
County	WELD
State	COLORADO

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Location: API # : 05-123-30597-00
660' FNL & 1980' FEL
NW/NE
SEC 34 TWP 5N RGE 63W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4534
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4544
D.F. 4543
G.L. 4534

Date	15-JUN-2010		
Run Number	ONE		
Depth Driller	6638		
Depth Logger	6511		
Bottom Logged Interval	6510 / 4118		
Top Log Interval	5590 / 2380		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	--		
Max. Recorded Temp.	220 F		
Estimated Cement Top	5737 / 2528		
Time Well Ready	--		
Time Logger on Bottom	--		
Equipment Number	2337/CR29/25-266		
Location	BRIGHTON		
Recorded By	GREG JACKSON		
Witnessed By	MR. KURT DODGE		

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	4 1/2	11.6	SURFACE	TOTAL DEPTH
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 CDN/DIL DATED 31-MAY-2010

THANK YOU FOR CHOOSING J-W WIRELINE!

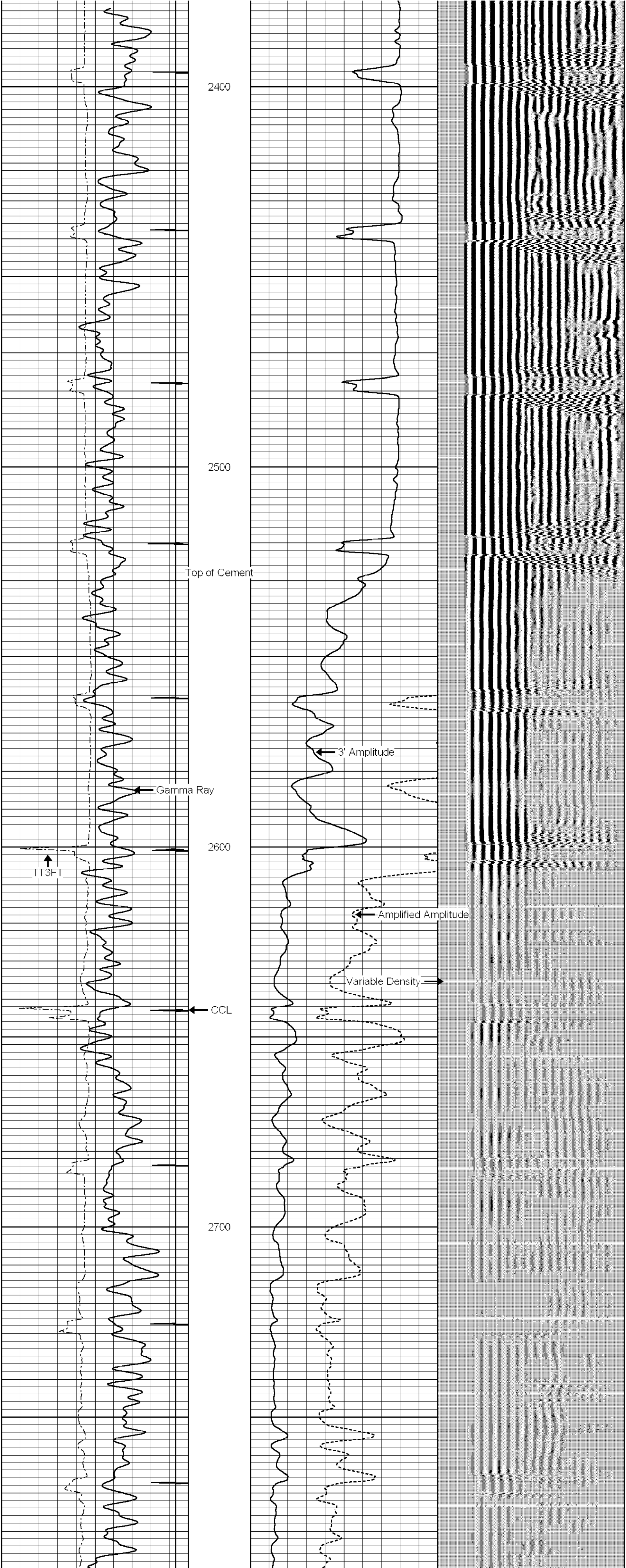
J-W WIRELINE COMPANY

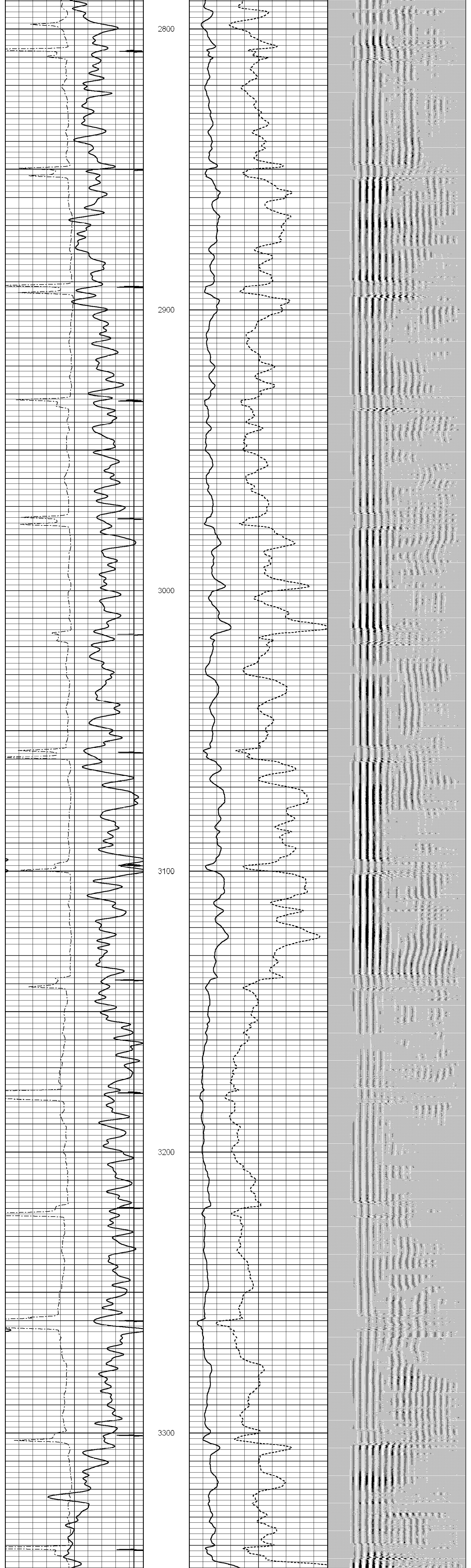
MAIN PASS

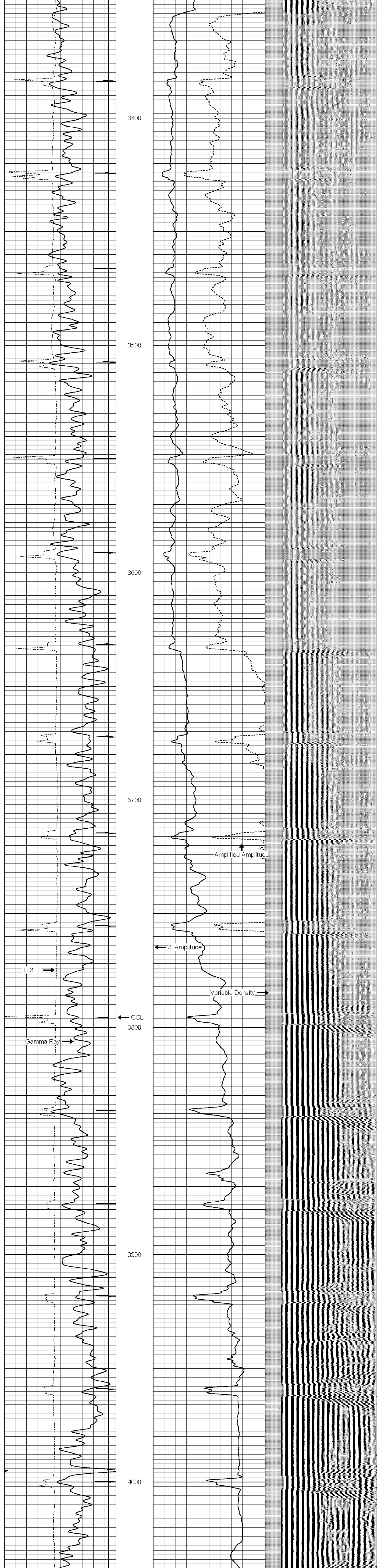
UPPER SECTION

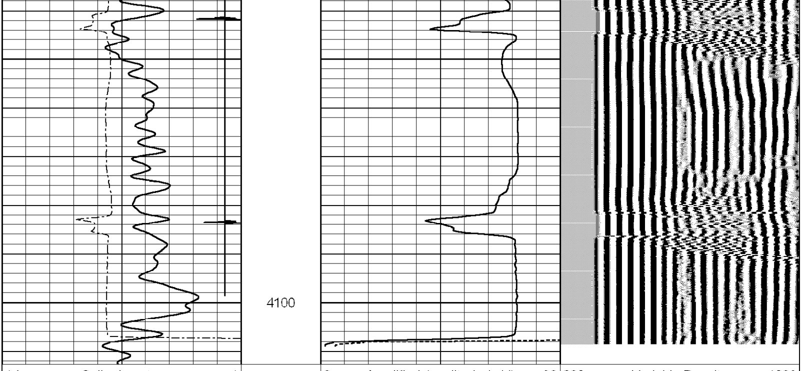
Database File: north platte 31-34_cbl.db
Dataset Pathname: pass2
Presentation Format: scbl_dr
Dataset Creation: Tue Jun 15 09:13:41 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

14	Collar Locator	-1
30	Gamma Ray (GAPI)	130
310	TT3FT (usec)	210
0	Amplified Amplitude (mV)	30
0	3' Amplitude (mV)	100
200	Variable Density	1200









14 Collar Locator -1
30 Gamma Ray (GAPI) 130
310 TT3FT (usec) 210
0 Amplified Amplitude (mV) 30
0 3' Amplitude (mV) 100
200 Variable Density 1200

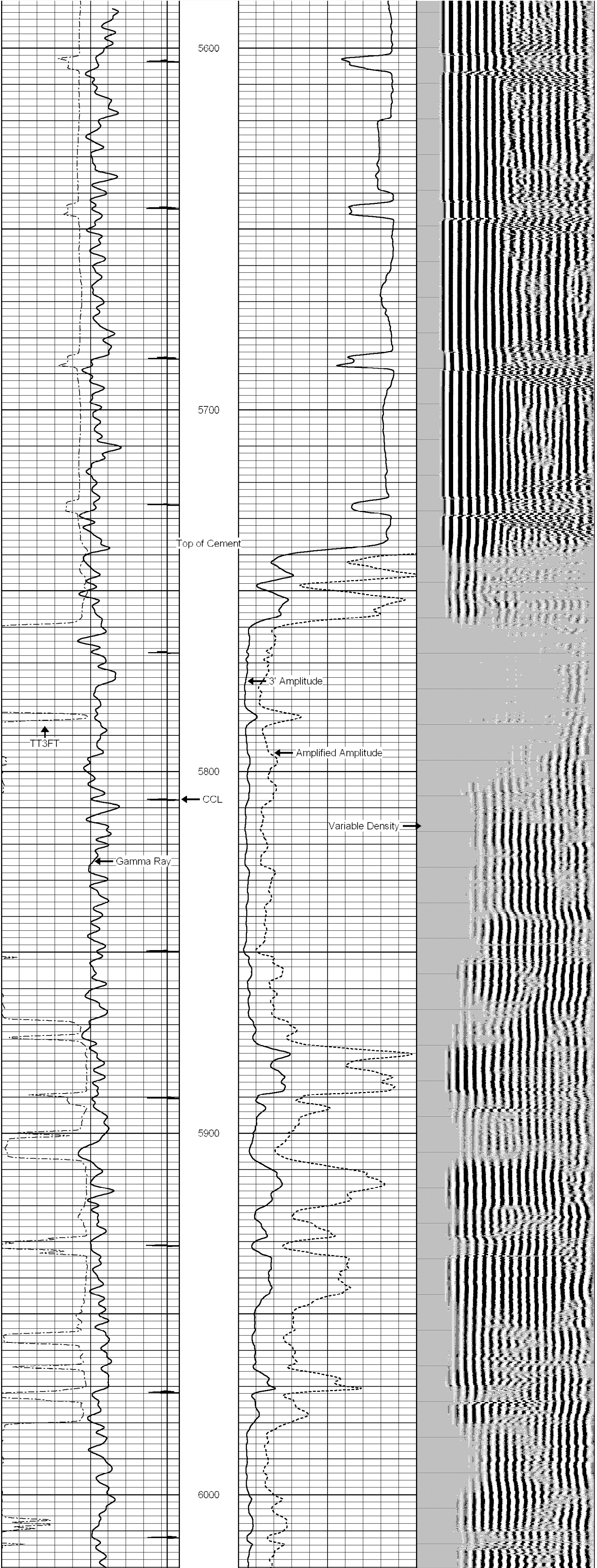
J-W WIRELINE COMPANY

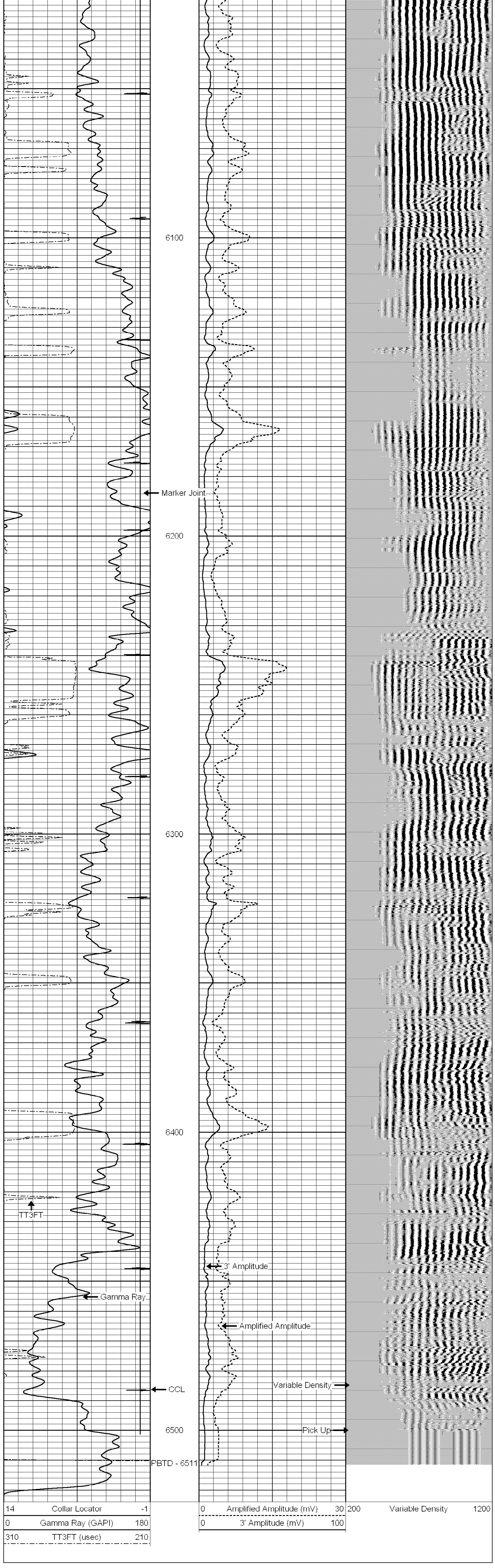
MAIN PASS

BOTTOM SECTION

Database File: north platte 31-34_cbl.db
Dataset Pathname: pass1
Presentation Format: scbl_dr
Dataset Creation: Tue Jun 15 08:46:02 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

14 Collar Locator -1
0 Gamma Ray (GAPI) 180
310 TT3FT (usec) 210
0 Amplified Amplitude (mV) 30
0 3' Amplitude (mV) 100
200 Variable Density 1200





Calibration Report

Database File: north platte 31-34_cbl.db
Dataset Pathname: pass1
Dataset Creation: Tue Jun 15 08:46:02 2010 by Log Std Casedhole 08121

Gamma Ray Calibration Report

Serial Number: 101SGR
Tool Model: TEKCO
Performed: Sun Jun 13 14:33:21 1993

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: TEKTMP001
Tool Model: TEK2DELTEMP

Calibration Casing Diameter: 4.500 in
Calibration Depth: 5221.833 ft

Master Calibration, performed Tue Jun 15 08:39:30 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.030	2.082	3.000	81.196	38.112	1.857
CAL	0.030	0.279				
5'	0.030	2.411	3.000	81.196	32.843	2.015
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Fri Aug 31 11:59:29 2007:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.030	0.279	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 18:00:00 1969:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			

Temperature Calibration Report

Serial Number: TEKTMP001
Tool Model: TEK2DELTEMP
Performed: Mon Jan 11 09:09:20 2010

	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec

Gain: 0.33
Offset: -37.00
Delta Spacing 2