J-W WIRELINE COMPANY

Company	BONANZA CREEK ENERGY INC.
Well	ANTELOPE 23-19
Field	WATTENBERG
County	WELD
State	COLORADO

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 23-19
Field WATTENBERG
County WELD State COLORADO
Location: API # : 05-123-32707-00
1979' FSL& 1939' FWL
NE SW
SEC. 19 TWP. 5N RGE. 62W
SEC TWP RGE

Other Services
PERF

Permanent Datum	GROUND LEVEL	Elevation 4616	Elevation
Log Measured From	KELLY BUSHING		K.B. 4626
Drilling Measured From	KELLY BUSHING		D.F. 4625 G.L. 4616

Date	07-MARCH-2011
Run Number	ONE
Depth Driller	6730
Depth Logger	6679
Bottom Logged Interval	6672
Top Log Interval	2800
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	NOT RECORDED
Estimated Cement Top	3020
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/YELLOW
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	BARB MARTIN

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#	SURFACE	431
Prot. String				
Production String	4.5	11.6#	SURFACE	TOTAL DEPTH
Liner				

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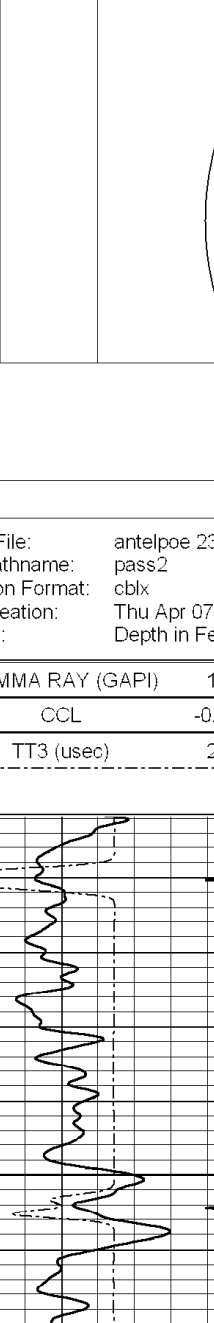
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 CORRELATE TO CD, CN, ML LOG
DATED 31-MARCH-2011

LOG SPLIT FOR CORRELATION PURPOSES



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT-A (1)	3.00	1.69	10.00
CCL	13.46	CCL-TEKCO (TEK101)	1.81	2.75	10.00
GR	11.49	GR-s_t001 (t001)	2.52	1.69	30.00
WVF5 WVF3	7.34 6.34	CBL-3_5 (001)	7.23	2.44	127.00
		CENT-B (2)	3.00	1.69	10.00

Dataset: antelpoe 23-19.db: field/well/run1/pass2
Total Length: 17.56 ft
Total Weight: 187.00 lb
O.D. 2.75 in

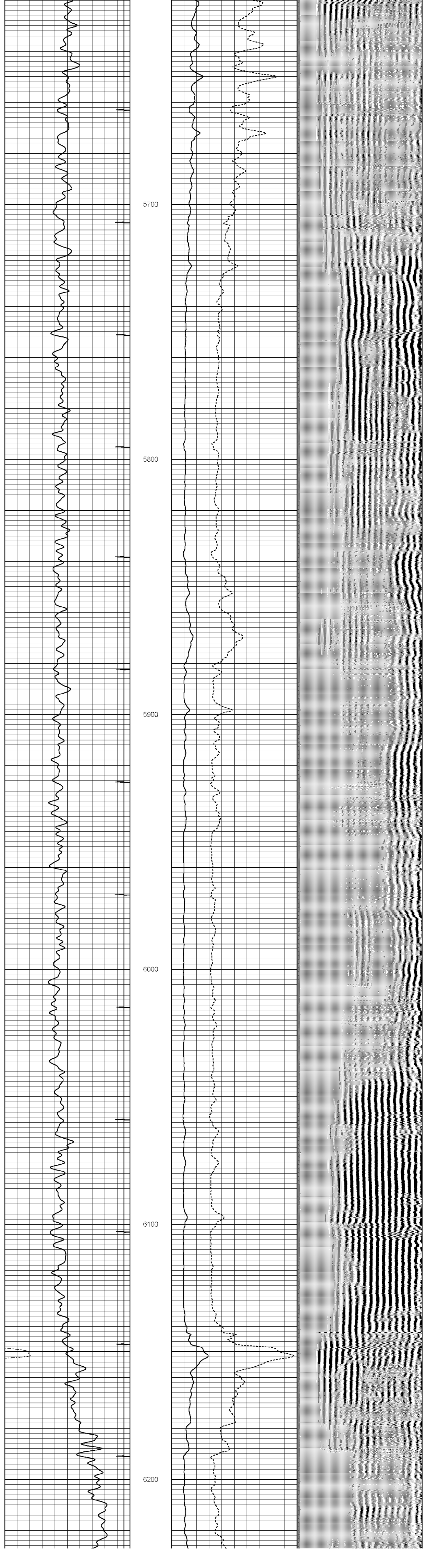
Database File: antelpoe 23-19.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Thu Apr 07 09:53:34 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

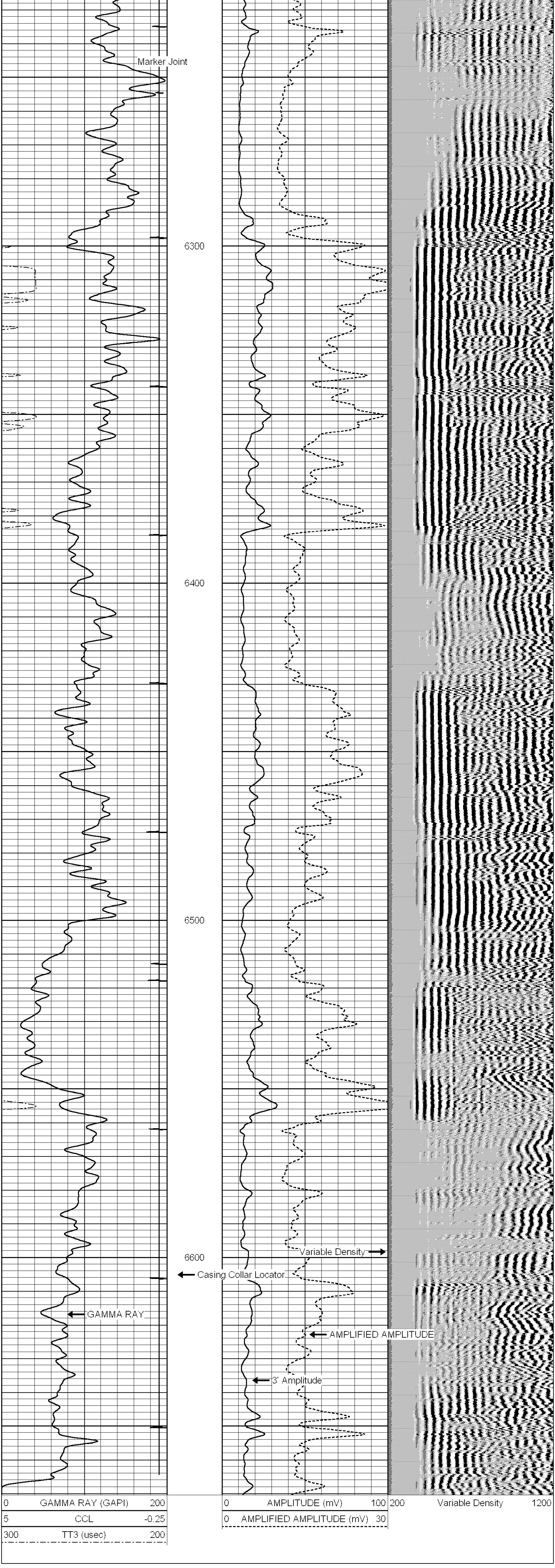
30 GAMMA RAY (GAPI) 130	0 AMPLITUDE (mV) 100	200 Variable Density 1200
5 CCL -0.25	0 AMPLIFIED AMPLITUDE (mV) 30	
300 TT3 (usec) 200		

30 GAMMA RAY (GAPI) 130	0 AMPLITUDE (mV) 100	200 Variable Density 1200
5 CCL -0.25	0 AMPLIFIED AMPLITUDE (mV) 30	
300 TT3 (usec) 200		

Database File: antelpoe 23-19.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Thu Apr 07 09:33:52 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 200	0 AMPLITUDE (mV) 100	200 Variable Density 1200
5 CCL -0.25	0 AMPLIFIED AMPLITUDE (mV) 30	
300 TT3 (usec) 200		





Calibration Report

Database File:	antelpoe 23-19.db
Dataset Pathname:	pass2
Dataset Creation:	Thu Apr 07 09:53:34 2011 by Log Std Casedhole 10121

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Thu Apr 07 09:20:10 2011		
Depth:	1361.13	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	0	V
Reading in Free Pipe:	2.5	1.99658	V
Gain:	31.2784	39.165	
Offset:	3	3	

Gamma Ray Calibration Report

Serial Number:	t001	
Tool Model:	s_t001	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps