Company	BONANZA CREEK ENERGY, INC.
Well	ANTELOPE 31-17
Field	WATTENBERG
County	WELD
State	COLORADO

J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company BONANZA CREEK ENERGY, INC.
Well ANTELOPE 31-17
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-33728-00
SHL: 630' FNL & 661' FEL NE/NE
BHL: 686' FNL & 2018' FEL NW/NE
SEC 17 TWP 5N RGE 62W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4708
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSING

Elevation
K.B. 4718
D.F. 4717
G.L. 4708

Date	26-AUG-2011
Run Number	ONE
Depth Driller	6955
Depth Logger	6915
Bottom Logged Interval	6914
Top Log Interval	2910
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	226 F
Estimated Cement Top	3250
Time Well Ready	ROA
Time Logger on Bottom	--
Equipment Number	2337 / 2
Location	BRIGHTON
Recorded By	GREG JACKSON
Witnessed By	MS. BARB MARTIN

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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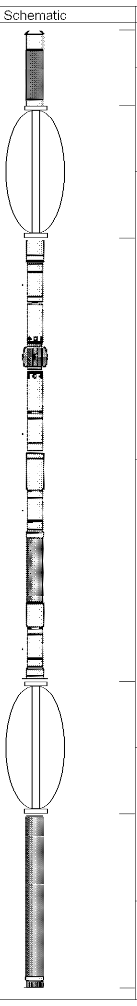
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 HRI/CDN DATED 29-JUL-2011

THANK YOU FOR CHOSING J-W WIRELINE



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
CCL	20.25	CCL-169TEKCO (169) 1 11/16" Tekco Logging	1.67	1.69	20.00
		CENT-TekCo (1 11/16 Adj.) (001) 1 11/16" Tekco Cent	2.92	1.69	10.00
WVF3	11.00	CBL-3-5tekco169 (1) 1 11/16 Tekco w/o Temp	9.75	1.69	70.00
WVF5	10.17				
		CENT-TekCo (1 11/16 Adj.) (002) 1 11/16" Tekco Cent	2.92	1.69	10.00
GR	1.00	GR-1.69TEKCO (576) 1 11/16 Tekco Logging GR	3.83	1.69	50.00

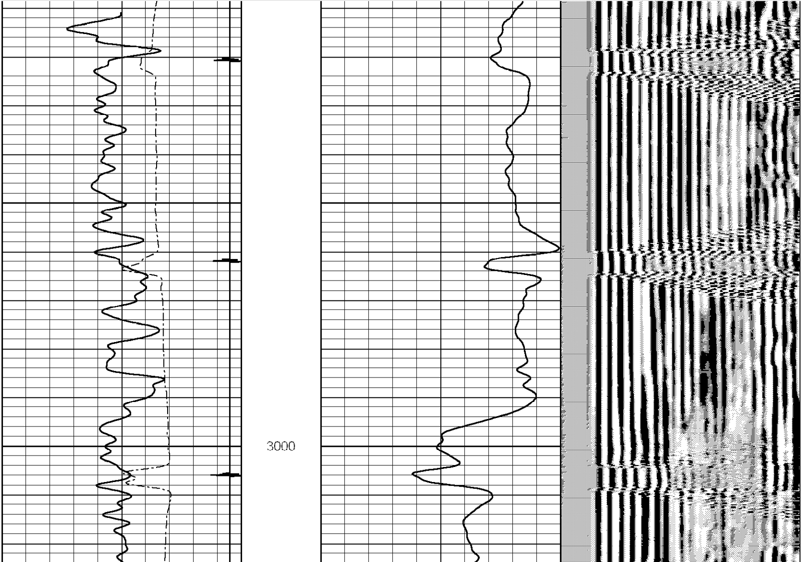
Dataset: antelope 31-17_cbl.db: field/well/run1/pass7
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

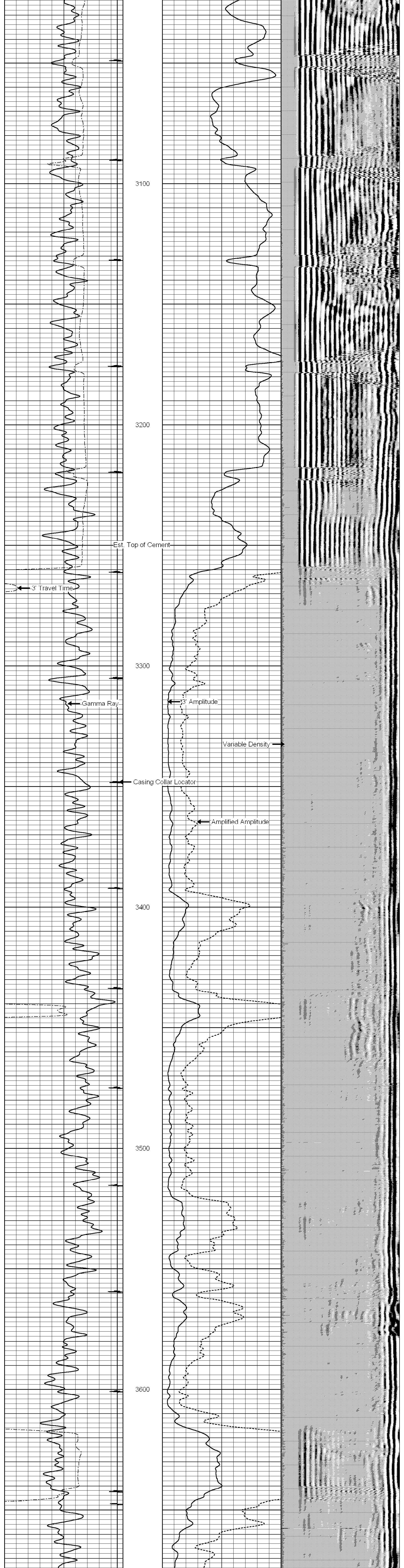
J-W WIRELINE COMPANY

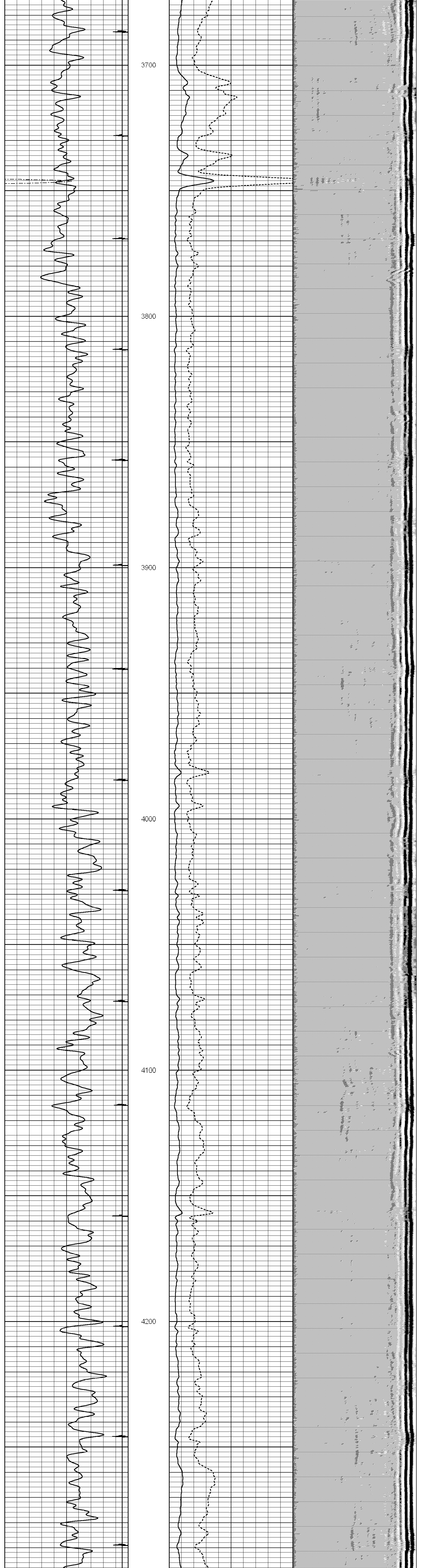
MAIN PASS

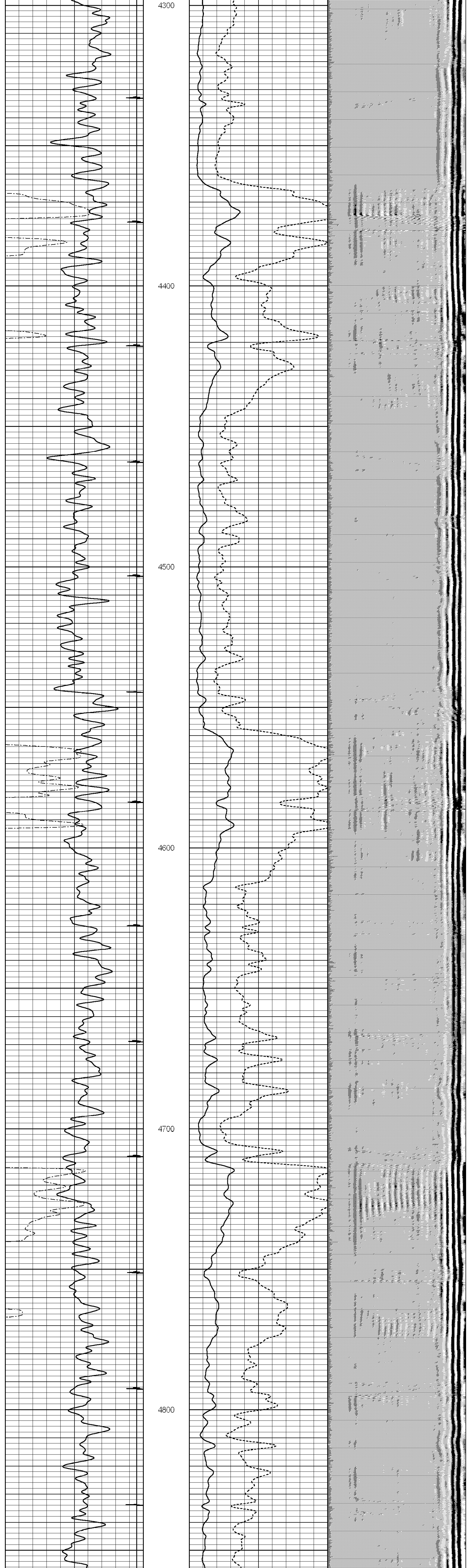
Database File: antelope 31-17_cbl.db
Dataset Pathname: pass8
Presentation Format: cblx
Dataset Creation: Fri Aug 26 09:18:04 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

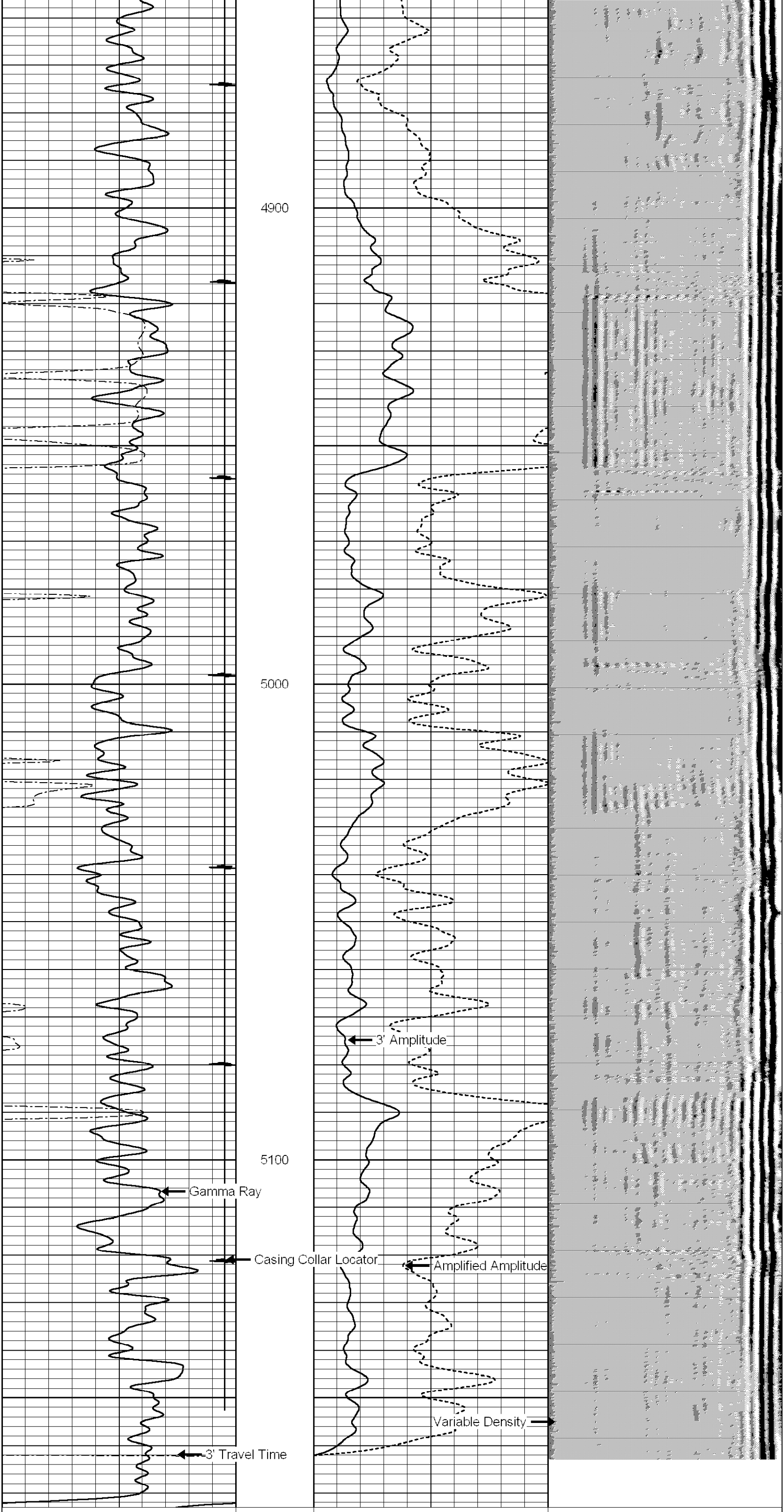
30	Gamma Ray (GAPI)	130	0	3' Amplitude (mV)	100	200	Variable Density	1200
5	Collar Locator	-0.25	0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200						











30	Gamma Ray (GAPI)	130	0	3' Amplitude (mV)	100	200	Variable Density	1200
5	Collar Locator	-0.25	0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200						

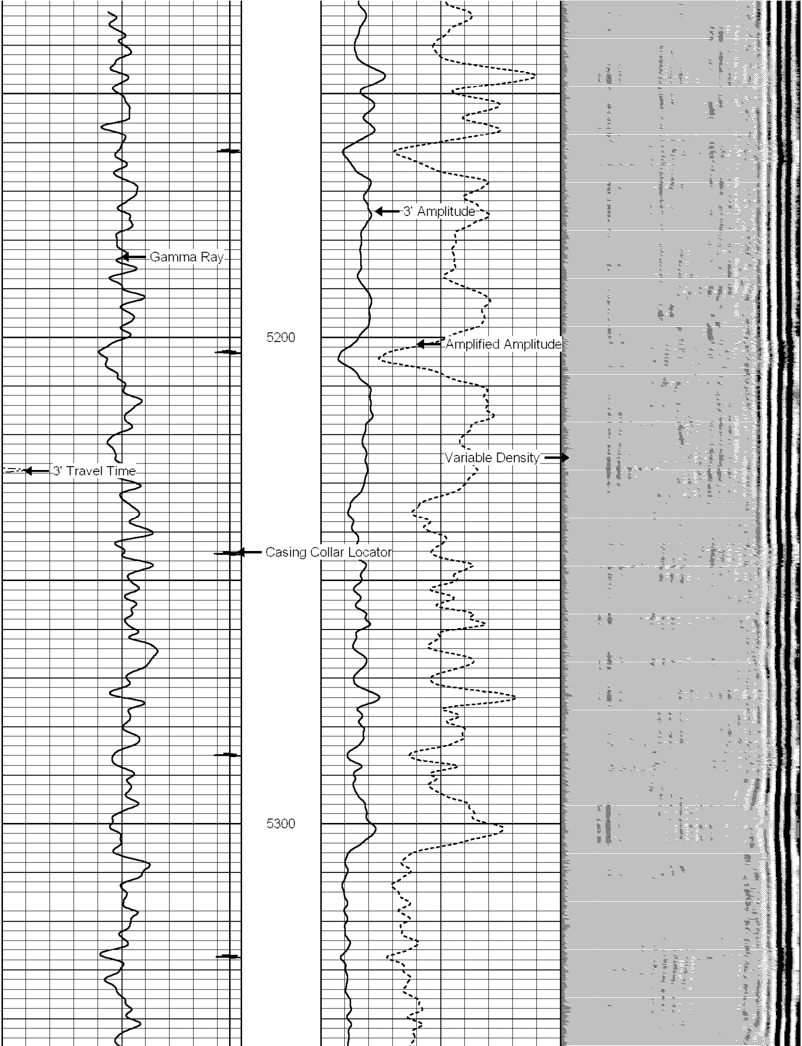
J-W WIRELINE COMPANY

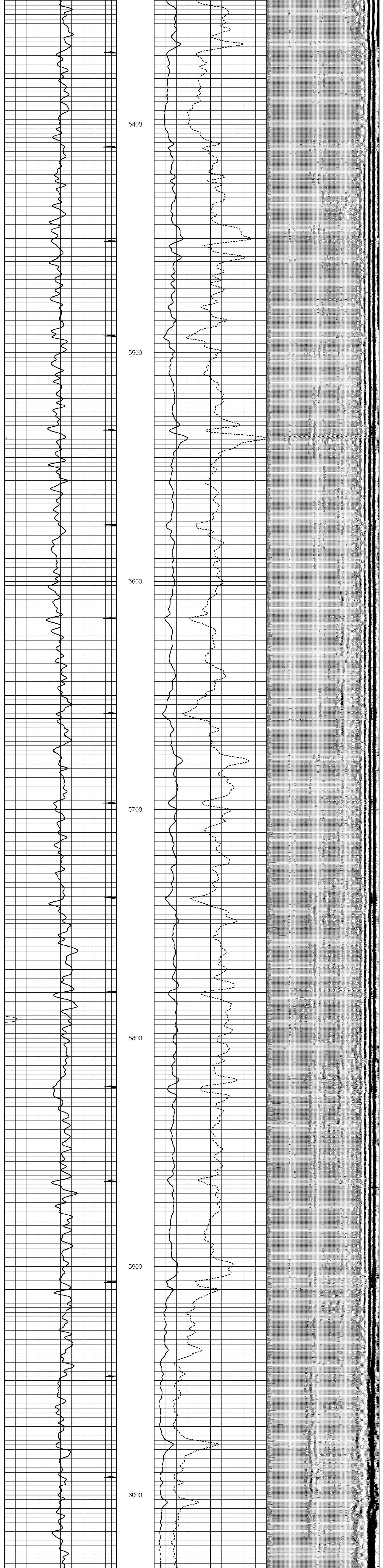
MAIN PASS

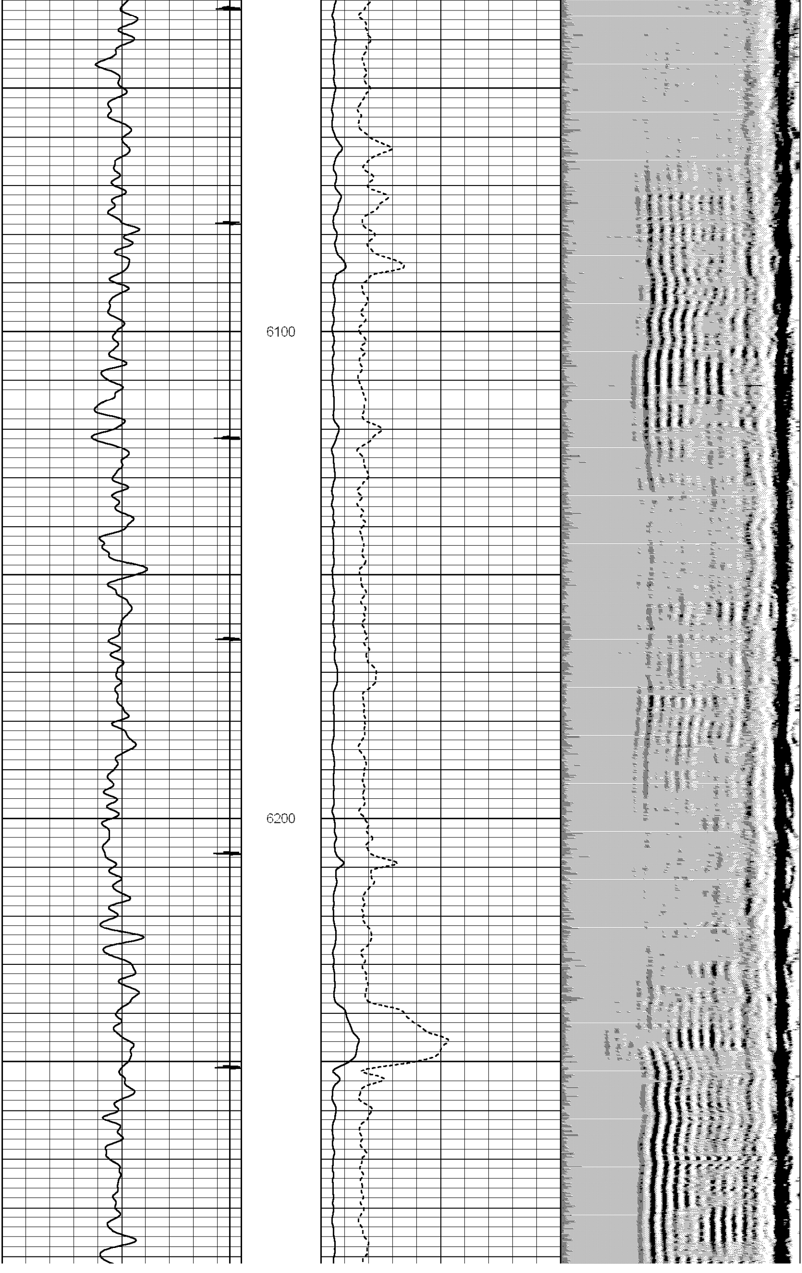
LOG SPLIT FOR CORRELATION

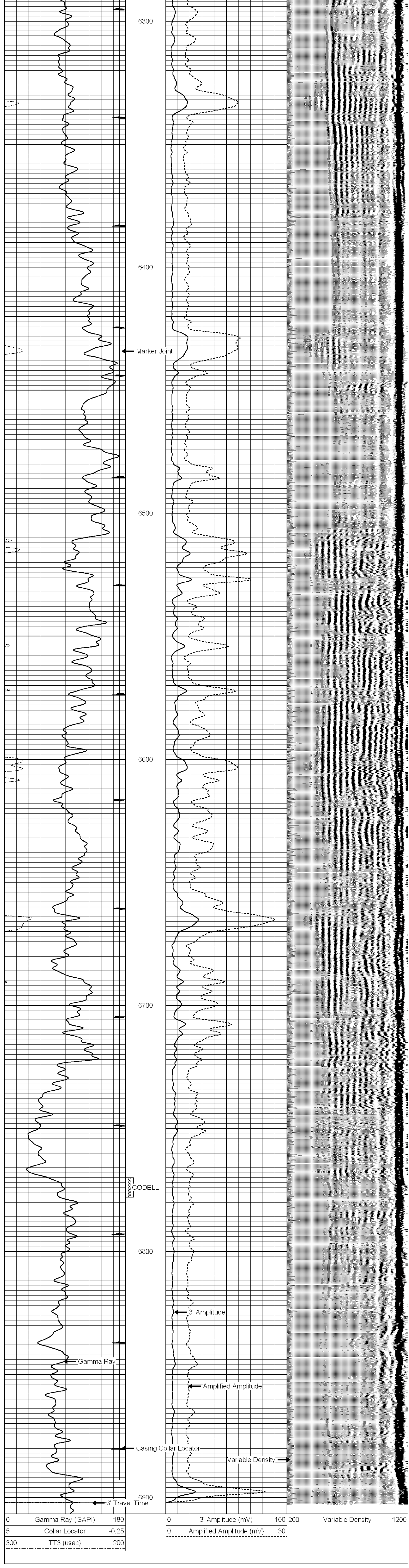
Database File:	antelope 31-17_cbl.db
Dataset Pathname:	pass7
Presentation Format:	cblx
Dataset Creation:	Fri Aug 26 08:45:46 2011 by Log Std Casedhole 10121
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	180	0	3' Amplitude (mV)	100	200	Variable Density	1200
5	Collar Locator	-0.25	0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200						









Calibration Report

Database File: antelope 31-17_cbl.db
Dataset Pathname: pass7
Dataset Creation: Fri Aug 26 08:45:46 2011 by Log Std Casedhole 10121

Gamma Ray Calibration Report

Serial Number:	576	
Tool Model:	1.69TEKCO	
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

Cement Bond Log Calibration Report

Serial Number:	1		
Tool Model:	3-5tekco169		
Performed:	Fri Aug 26 08:31:55 2011		
Depth:	3091.44	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	3	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.2	0.03	V
Reading in Free Pipe:	2.00386	2.49612	V
Gain:	43.3493	32.9246	
Offset:	-5.66986	-0.987739	