J-W WIRELINE COMPANY

CEMENT BOND GAMMA RAY COLLAR CORRELATION LOG

Company	BONANZA CREEK ENERGY INC.
Well	ANTELOPE 43-31
Field	WATTENBERG
County	WELD
State	COLORADO

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 43-31
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-32889-00
SHL: 1430' FSL & 1397' FEL NW/SE
BHL: 1954' FSL & 654' FEL NE/SE
SEC 31 TWP 5N RGE 62W

Other Services
NONE

Permanent Datum	GROUND LEVEL	Elevation	4558
Log Measured From	KELLY BUSHING		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 4570
D.F. 4569
G.L. 4558

Date	18-JUL-2011		
Run Number	ONE		
Depth Driller	6697		
Depth Logger	6635		
Bottom Logged Interval	6634		
Top Log Interval	2634		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	--		
Max. Recorded Temp.	223 F		
Estimated Cement Top	2932		
Time Well Ready	--		
Time Logger on Bottom	--		
Equipment Number	2337 / 1		
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				

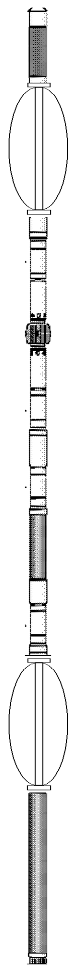
<<< Fold Here >>>

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 31-MAY-2011

THANK YOU FOR CHOOSING J-W WIRELINE

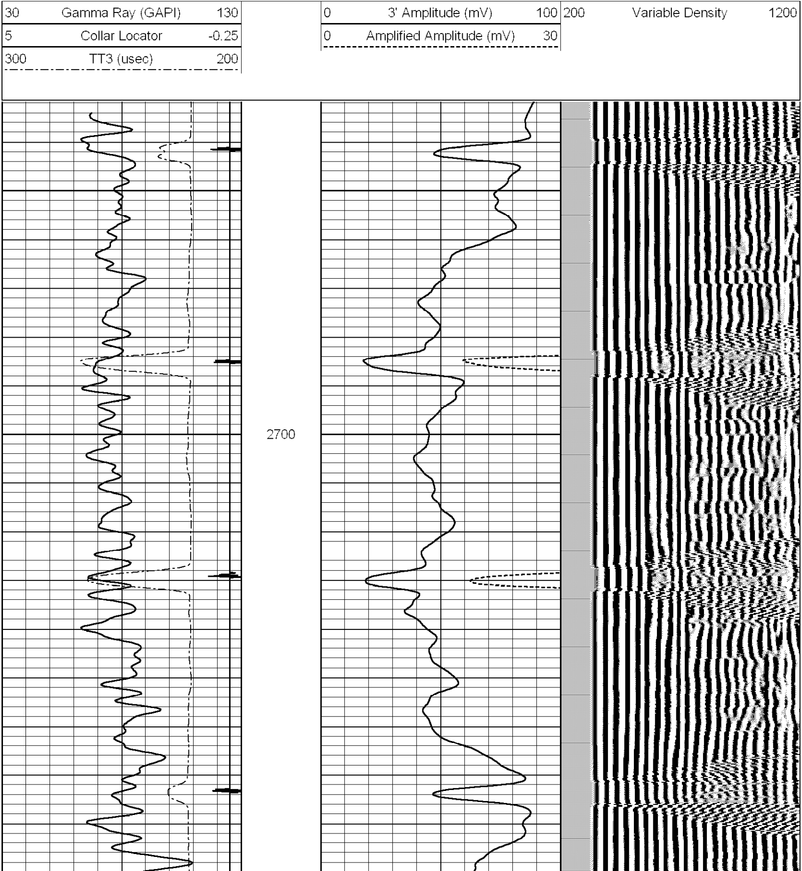
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	20.25		CCL-169TEKCO (169) 1 11/16" Tekco Logging	1.67	1.69	20.00
			CENT-TekCo (1 11/16 Adj.) (001) 1 11/16" Tekco Cent	2.92	1.69	10.00
WVF3 WVF5	11.00 10.17		CBL-3-5tekco169 (1) 1 11/16 Tekco w/o Temp	9.75	1.69	70.00
			CENT-TekCo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

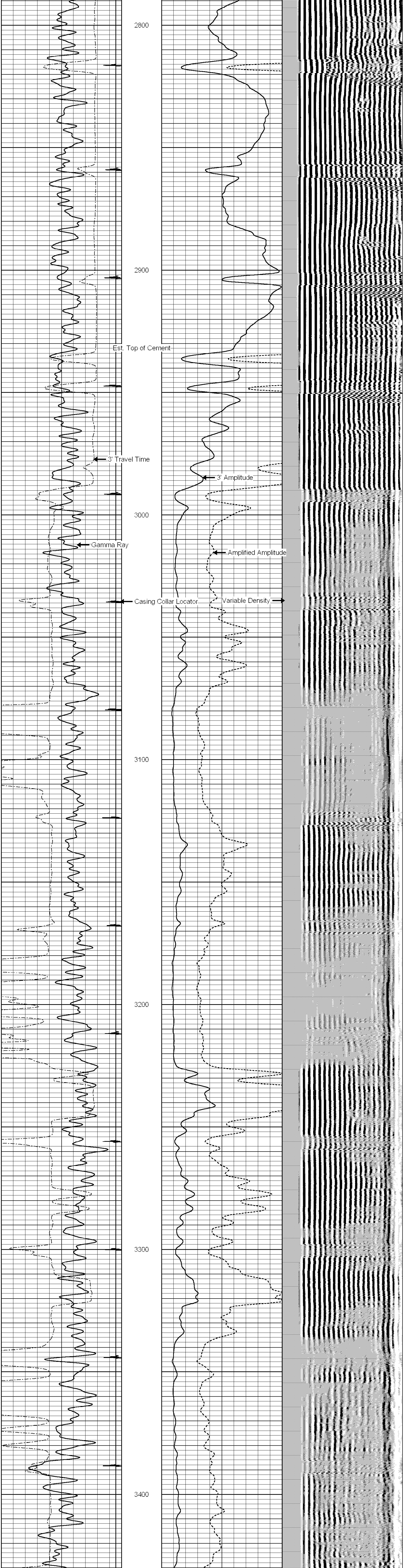
Dataset:	antelope 43-31_cbl.db: field/well/run1/pass1
Total Length:	21.08 ft
Total Weight:	160.00 lb
O.D.	1.69 in

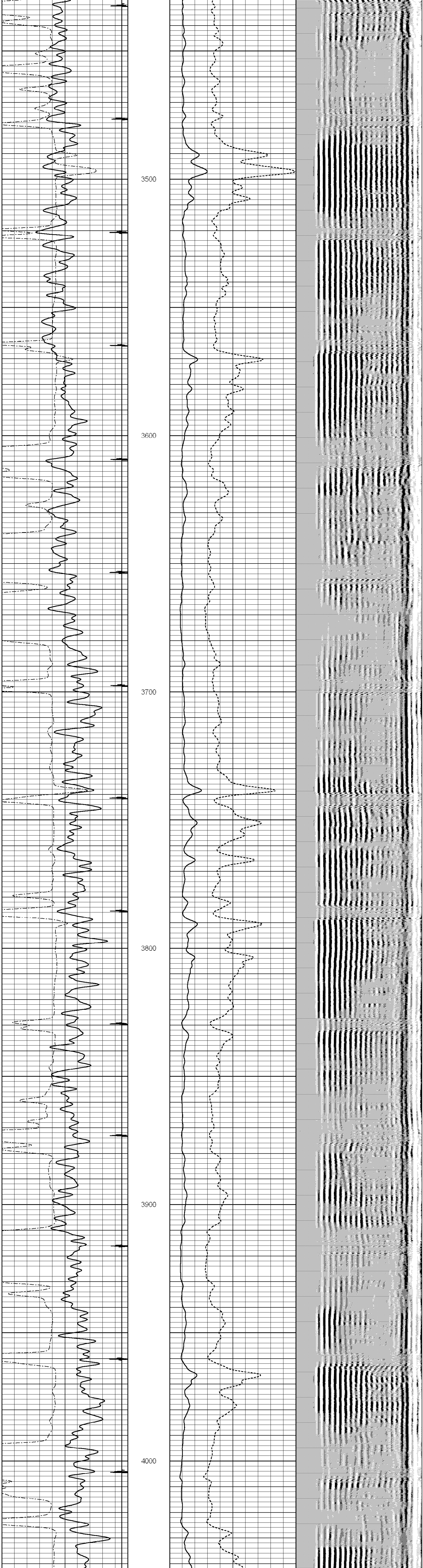
J-W WIRELINE COMPANY

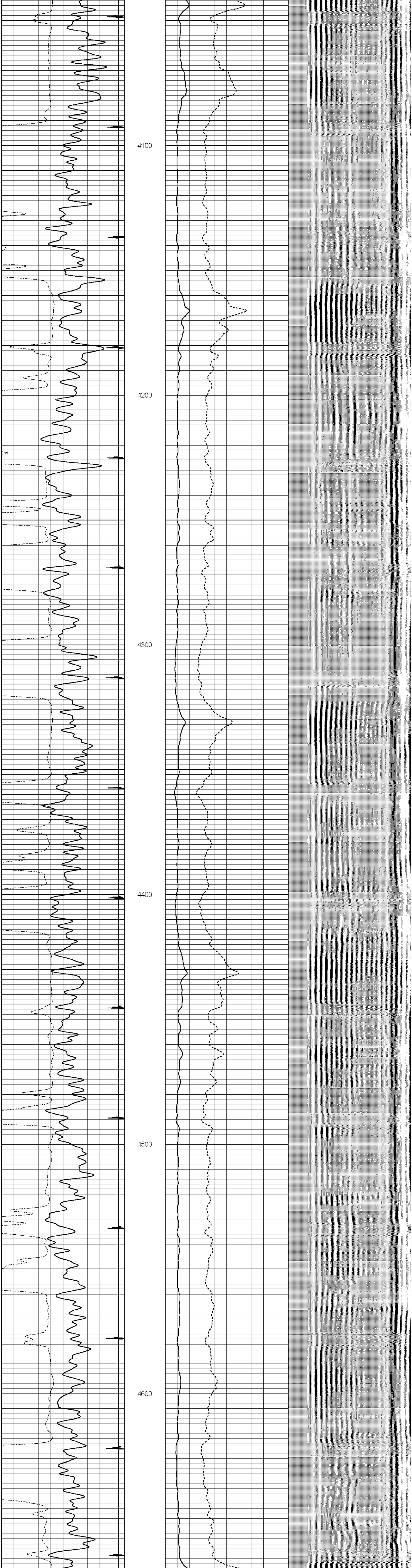
MAIN PASS

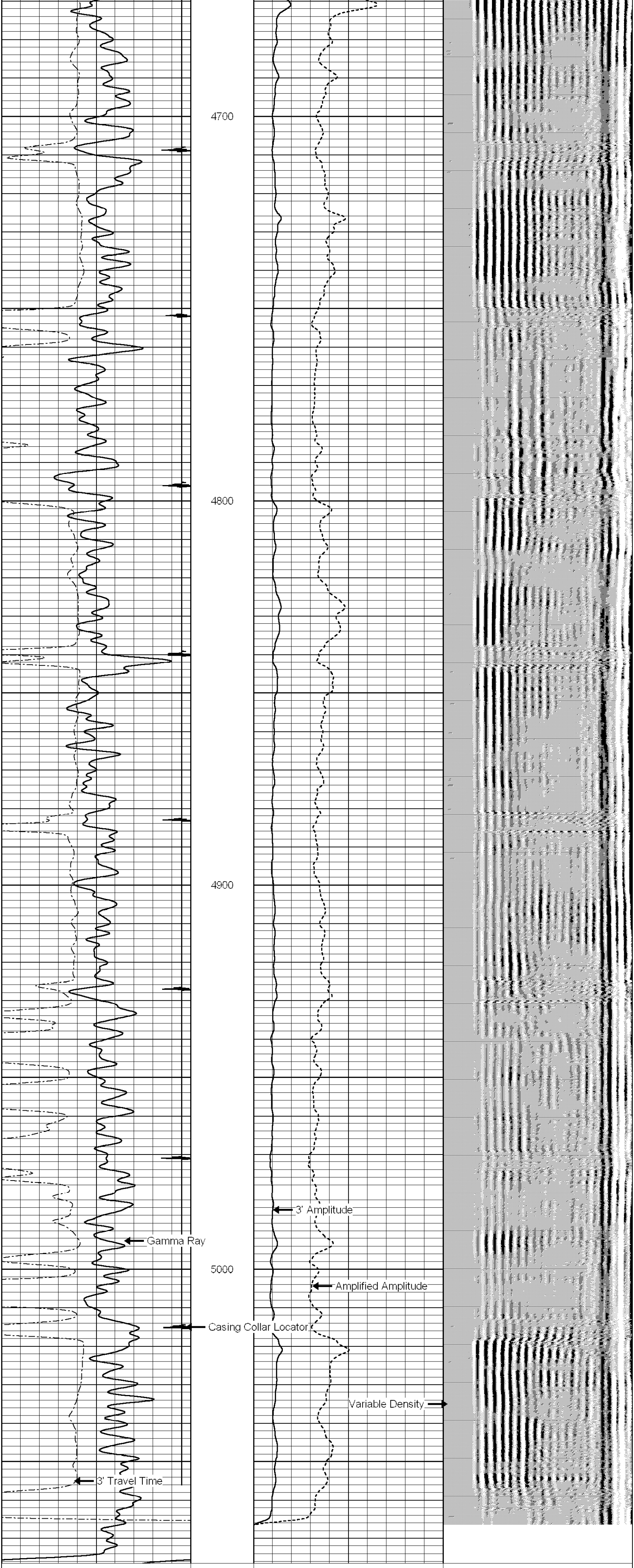
Database File:	antelope 43-31_cbl.db
Dataset Pathname:	pass2
Presentation Format:	cblx
Dataset Creation:	Mon Jul 18 13:07:07 2011 by Log Std Casedhole 10121
Charted by:	Depth in Feet scaled 1:240











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						

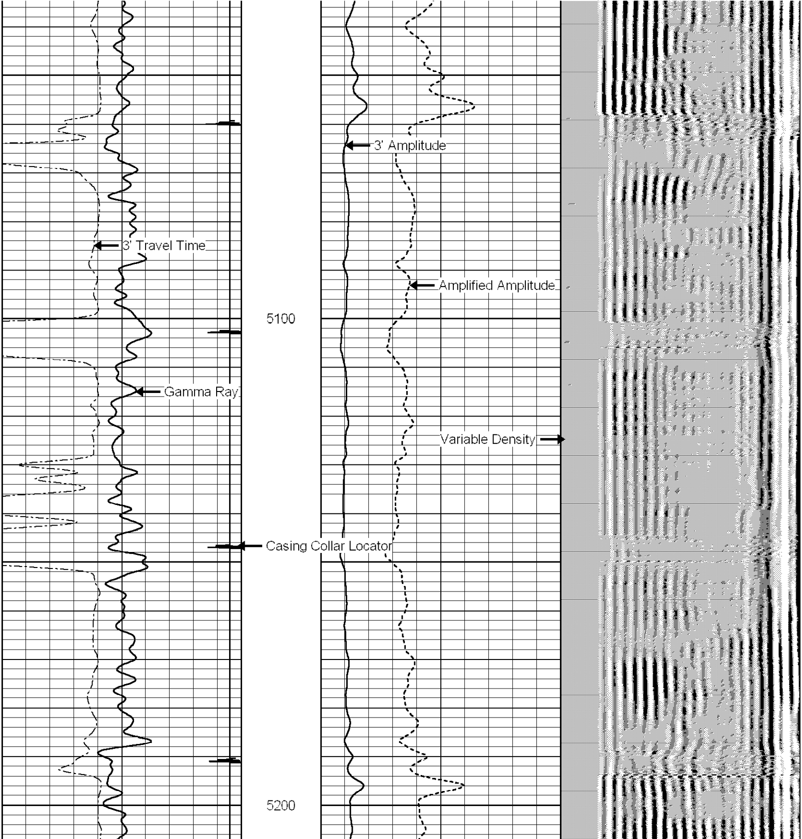
J-W WIRELINE COMPANY

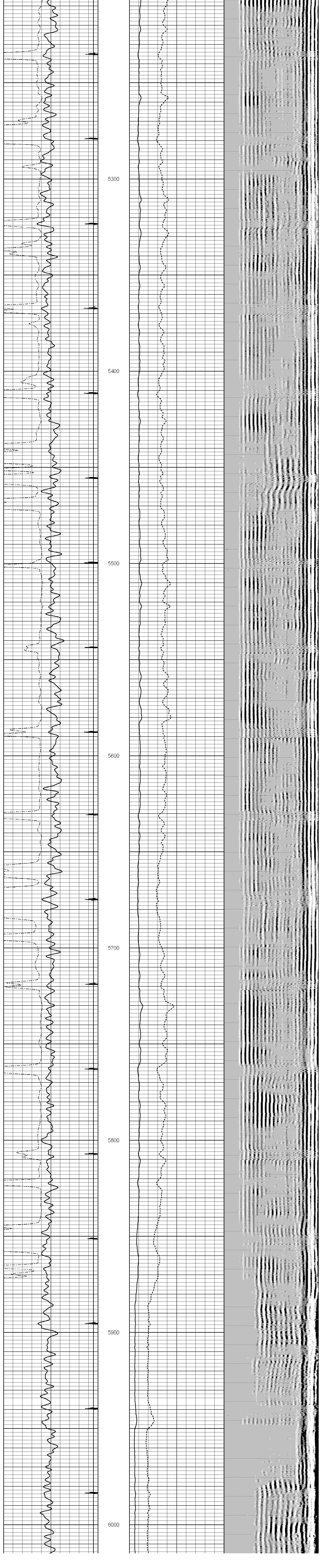
MAIN PASS

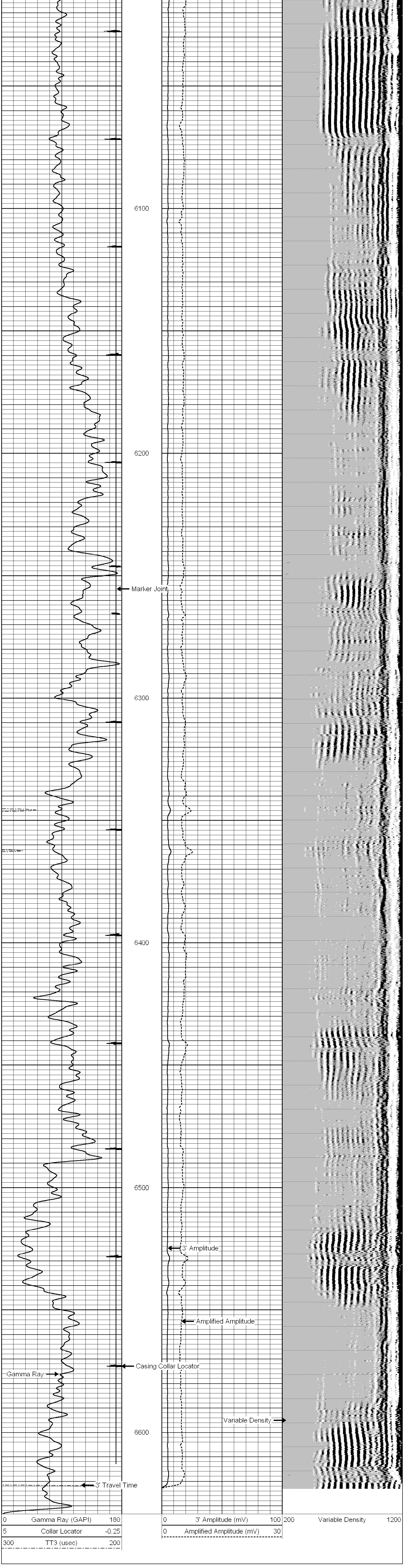
LOG SPLIT FOR CORRELATION

Database File:	antelope 43-31_cbl.db
Dataset Pathname:	pass1
Presentation Format:	cblx
Dataset Creation:	Mon Jul 18 12:40:04 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 43-31_cbl.db
Dataset Pathname: pass1
Dataset Creation: Mon Jul 18 12:40:04 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: Mon Jul 18 12:39:57 2011

Depth: 2915.62 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:	0.09	0.04	V
Reading in Free Pipe:	2.01079	2.25083	V
Gain:	40.7104	36.7265	
Offset:	-0.663935	-1.46906	