J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 12-31
Field WATTENBERG
County WELD
State COLORADO

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Well ANTELOPE 12-31
Field WATTENBERG
County WELD State COLORADO
Location: API # : 05-123-32840-00
SHL: 1514' FNL & 1125' FWL SE/NW
BHL: 1999' FNL & 671' FWL SW/NW
SEC 31 TWP 5N RGE 62W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4588
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4598
D.F. 4597
G.L. 4588

Date	27-JUN-2011
Run Number	ONE
Depth Driller	6728
Depth Logger	6700
Bottom Logged Interval	6699
Top Log Interval	2988
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	224 F
Estimated Cement Top	3153
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				

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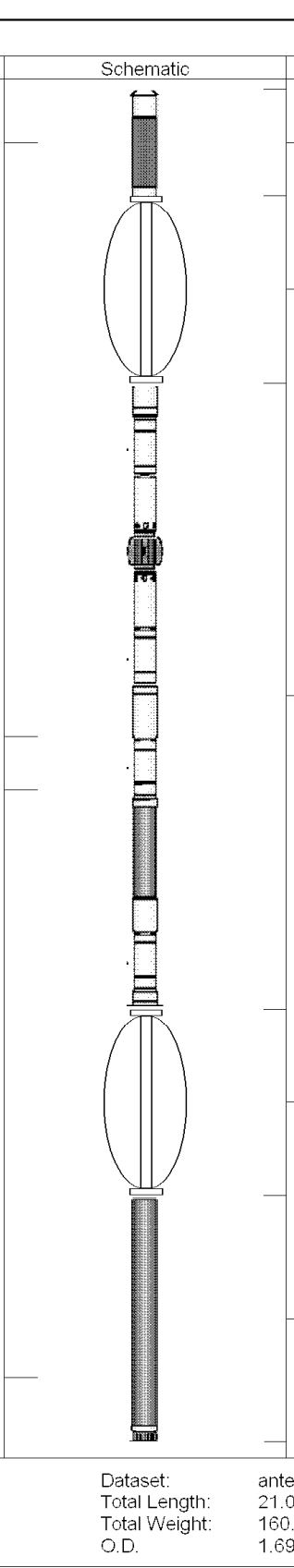
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 17-JUN-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	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 12-31_cbl.db: field/well/run1/pass3
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

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MAIN PASS

Database File: antelope 12-31_cbl.db
Dataset Pathname: pass4
Presentation Format: cblx
Dataset Creation: Mon Jun 27 16:52:25 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					

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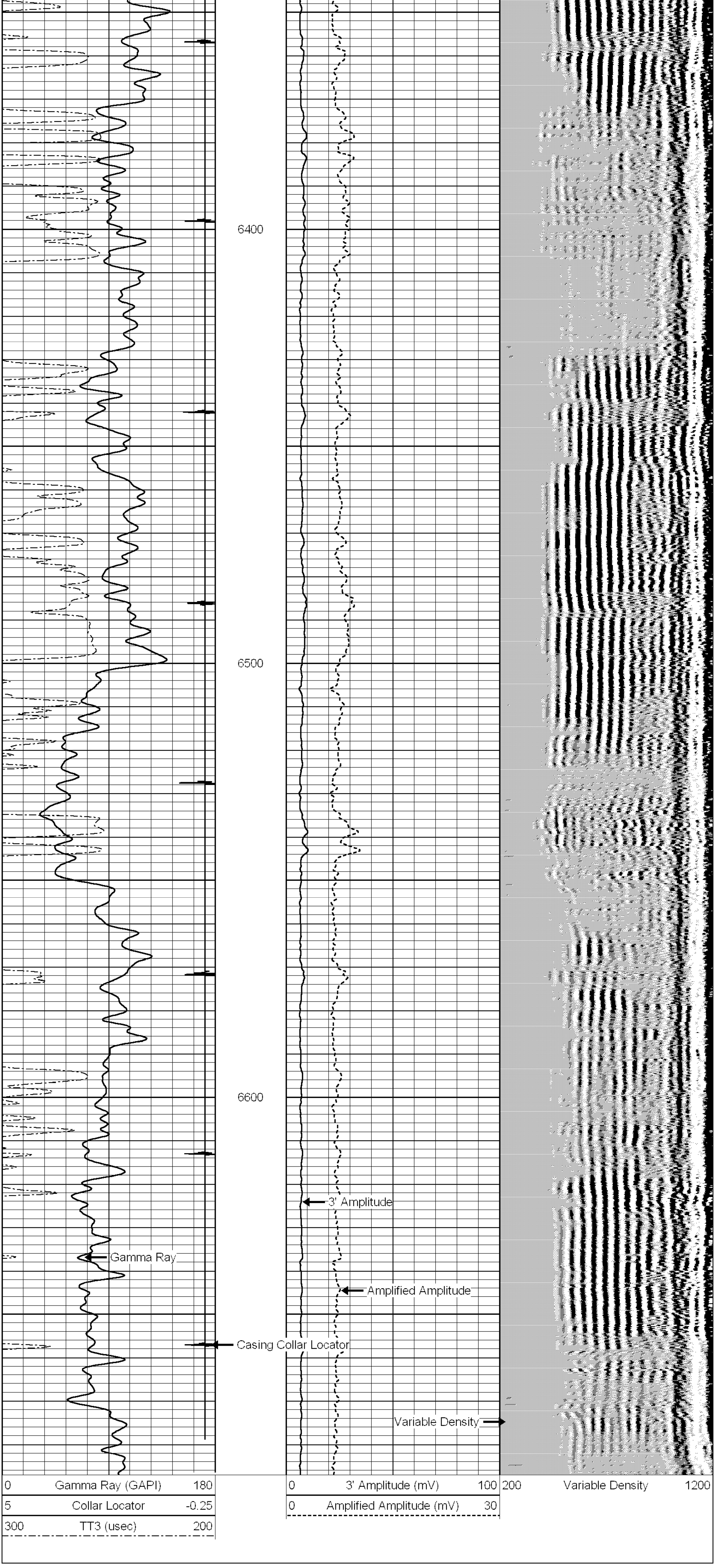
MAIN PASS

LOG SPLIT FOR CORRELATION

Database File: antelope 12-31_cbl.db
Dataset Pathname: pass3
Presentation Format: cblx
Dataset Creation: Mon Jun 27 16:24:22 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 12-31_cbl.db
Dataset Pathname: pass3
Dataset Creation: Mon Jun 27 16:24:22 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 Jun 27 16:10:47 2011	
Depth:	3064.54	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:	0.03	0.03	V
Reading in Free Pipe:	2.23342	2.5	V
Gain:	35.4885	32.8729	
Offset:	1.93535	-0.986187	