Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 24-17
Field WATTENBERG
County WELD
State COLORADO

J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 24-17
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-32883-00
SHL: 1260' FSL & 1320' FWL SE/SW
BHL: 675' FSL & 2004' FWL SE/SW
SEC 17 TWP 5N RGE 62W

Other Services
PERF

Permanent Datum GROUND LEVEL Elevation 4642
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4656
D.F. 4655
G.L. 4642

Date	15-APR-2011
Run Number	ONE
Depth Driller	6758
Depth Logger	6719
Bottom Logged Interval	6718
Top Log Interval	1170
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	224 F
Estimated Cement Top	1340
Time Well Ready	---
Time Logger on Bottom	---
Equipment Number	2337/02
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	8 5/8	NA	SURFACE	462
Prot. String				
Production String	4 1/2	11.6	SURFACE	TOTAL DEPTH
Liner				

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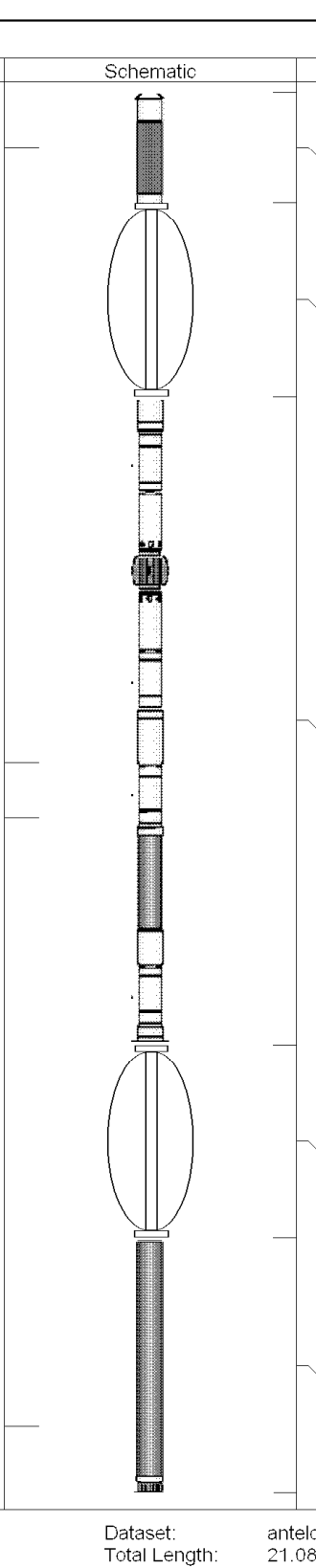
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 14-APR-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
			CBL-3-5tekco169 (1) 1 11/16 Tekco w/o Temp	9.75	1.69	70.00
WVF3	11.00					
WVF5	10.17					
			CENT-TekCo (1 11/16 Adj.) (002) 1 11/16" Tekco Cent	2.92	1.69	10.00
			GR-1.69TEKCO (576) 1 11/16 Tekco Logging GR	3.83	1.69	50.00
GR	1.00					

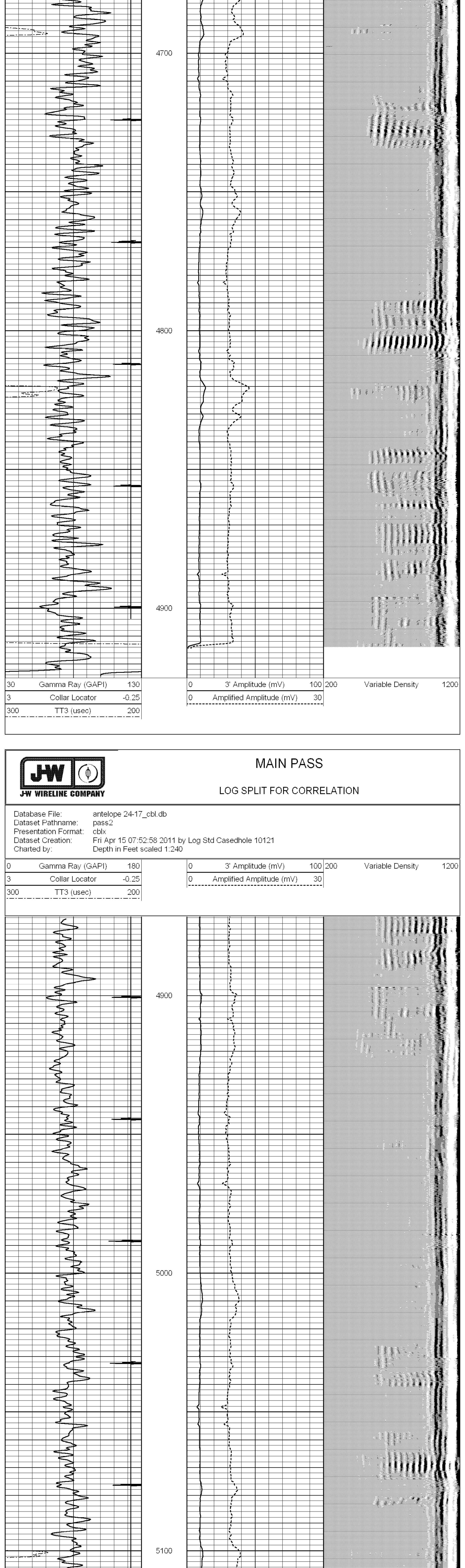
Dataset: antelope 24-17_cbl.db: field/well/run1/pass2
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

J-W WIRELINE COMPANY

MAIN PASS

Database File: antelope 24-17_cbl.db
Dataset Pathname: pass3
Presentation Format: cblx
Dataset Creation: Fri Apr 15 08:25:18 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

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



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

J-W WIRELINE COMPANY

MAIN PASS

LOG SPLIT FOR CORRELATION

Database File: antelope 24-17_cbl.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Fri Apr 15 07:52:58 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

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

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

J-W WIRELINE COMPANY

MAIN PASS

LOG SPLIT FOR CORRELATION

Calibration Report

Database File: antelope 24-17_cbl.db
Dataset Pathname: pass2
Dataset Creation: Fri Apr 15 07:52:58 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 Apr 15 07:26:00 2011		
Depth:	1259.33	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:	1.16279	1.36592	V
Gain:	69.0297	60.7792	
Offset:	0.92911	-1.82337	