J-W WIRELINE COMPANY

CEMENT BOND GAMMA RAY COLLAR CORRELATION LOG

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

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE I 17
Field WATTENBERG
County WELD State COLORADO
Location: API #: 05-123-32732-00
1320' FSL & 1320' FWL
NE/SW
SEC 17 TWP 5N RGE 62W
Other Services
PERF

Permanent Datum	GROUND LEVEL	Elevation	4642	Elevation K.B. 4654 D.F. 4653 G.L. 4642
Log Measured From	KELLY BUSHING			
Drilling Measured From	KELLY BUSHING			

Date	14-APR-2011
Run Number	ONE
Depth Driller	6666
Depth Logger	6620
Bottom Logged Interval	6619
Top Log Interval	2450
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	224 F
Estimated Cement Top	2596
Time Well Ready	---
Time Logger on Bottom	---
Equipment Number	2337/02
Location	BRIGHTON
Recorded By	GREG JACKSON
Witnessed By	MR. KURT DODGE

Borehole Record

Run Number	Bit	From	To

Tubing Record

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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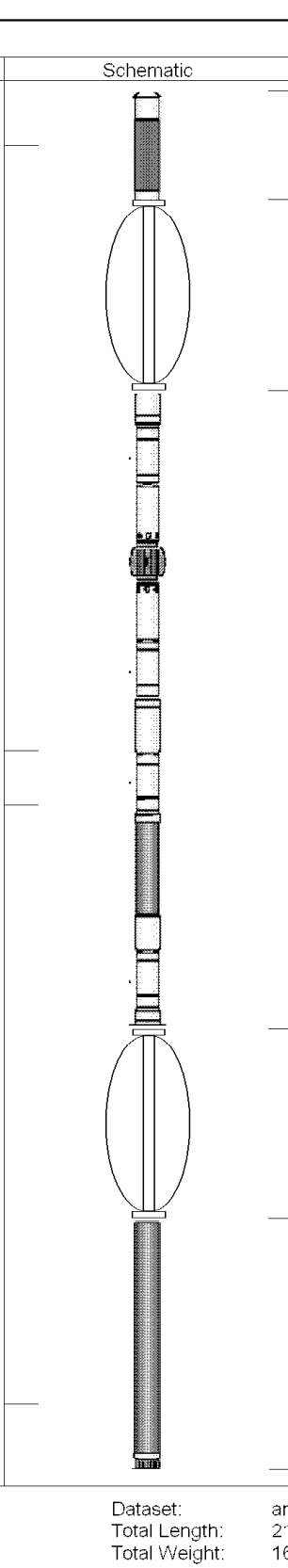
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 25-MAR-2011

THANK YOU FOR CHOOSING 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 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 i-17_cbl.db: field/well/run1/pass2
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

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MAIN PASS

Database File: antelope i-17_cbl.db
Dataset Pathname: pass2.2
Presentation Format: cblx
Dataset Creation: Thu Apr 14 11:44:48 2011 by Calc 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
3 Collar Locator -0.25	0 Amplified Amplitude (mV) 30	
300 TT3 (usec) 200		

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

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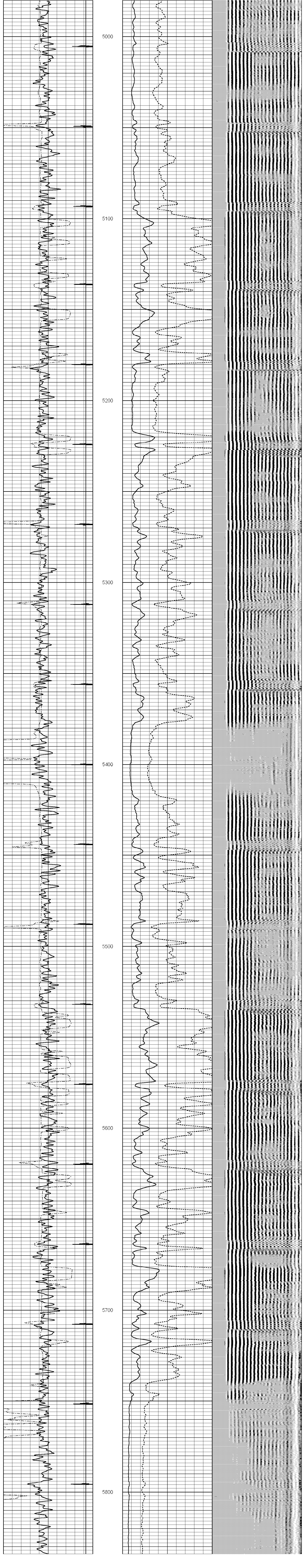
MAIN PASS

LOG SPLIT FOR CORRELATION

Database File: antelope i-17_cbl.db
Dataset Pathname: pass2.1
Presentation Format: cblx
Dataset Creation: Thu Apr 14 11:42:26 2011 by Calc 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
3 Collar Locator -0.25	0 Amplified Amplitude (mV) 30	
300 TT3 (usec) 200		



Calibration Report

Database File:	antelope i-17_cbl.db
Dataset Pathname:	pass2
Dataset Creation:	Thu Apr 14 10:37:40 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:	Thu Apr 14 10:18:44 2011		
Depth:	2168.87	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	0	V
Reading in Free Pipe:	1.15095	1.57791	V
Gain:	67.9404	51.4582	
Offset:	3	0	