J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	BONANZA CREEK OPERATING CO. LLC
Well	ANTELOPE13-17
Field	WATTENBERG
County	WELD
State	COLORADO

Company BONANZA CREEK OPERATING CO. LLC
Well ANTELOPE13-17
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-32748-00
2046' FSL & 761' FWL
NW SW
SEC 17 TWP 5N RGE 62W

Other Services
PERF

Permanent Datum GROUND LEVEL Elevation 4673
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4683
D.F. 4682
G.L. 4673

Date	10-MAY-2011		
Run Number	ONE		
Depth Driller	6732		
Depth Logger	6701		
Bottom Logged Interval	6694		
Top Log Interval	2030		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	---		
Max. Recorded Temp.	NOT RECORDED		
Estimated Cement Top	2210		
Time Well Ready	---		
Time Logger on Bottom	---		
Equipment Number	2405/YELLOW		
Location	BRIGHTON		
Recorded By	HAYES		
Witnessed By	BARB MARTIN		

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	24#	SURFACE	438
Prot. String				
Production String	4.5	11.6#	SURFACE	6724
Liner				

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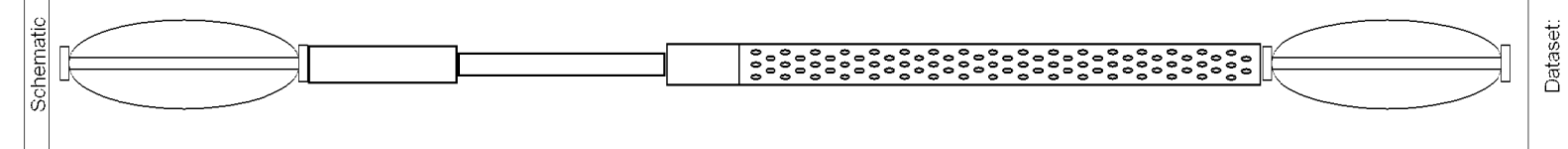
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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, CD, CN LOG
DATED 05-MAY-2011

LOG SPLIT FOR CORRELATION PURPOSES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-A (1)	3.00	1.69	10.00
CCL	13.46		CCL-TEKCO (TEK101)	1.81	2.75	10.00
GR	11.49		GR-s_t001 (t001)	2.52	1.69	30.00
WVF5 WVF3	7.34 6.34		CBL-3_5 (001)	7.23	2.44	127.00
			CENT-B (2)	3.00	1.69	10.00

Dataset: antelope 13-17.db: field/well/run1/pass2
Total Length: 17.56 ft
Total Weight: 187.00 lb
O.D.: 2.75 in

Database File: antelope 13-17.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Tue May 10 12:59:16 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

Database File: antelope 13-17.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Tue May 10 12:40:02 2011 by Log Std Casedhole 10121

Dataset Creation: Tue May 10 12:48:02 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: antelope 13-17.db
Dataset Pathname: pass2
Dataset Creation: Tue May 10 12:59:16 2011 by Log Std Casedhole 10121

Cement Bond Log Calibration Report

Serial Number: 001
Tool Model: 3_5
Performed: Tue May 10 08:40:05 2011

Depth: 1323.04 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.47178	1.95767	V
Gain:	31.6356	39.9435	
Offset:	3	3	

Gamma Ray Calibration Report

Serial Number: t001
Tool Model: s_t001
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