CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

J-W WIRELINE COMPANY

Company	BONANZA CREEK ENERGY INC.
Well	ANTELOPE 14-17
Field	WATTENBERG
County	WELD
State	COLORADO

Company BONANZA CREEK ENERGY INC.
Well ANTELOPE 14-17
Field WATTENBERG
County WELD State COLORADO
Location: API #: 05-123-32887-00
SHL: 1280' FSL & 1320' FWL SE/SW
BHL: 653' FSL & 652' FWL SW/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. 4654
D.F. 4653
G.L. 4642

Date	14-APR-2011
Run Number	ONE
Depth Driller	6758
Depth Logger	6725
Bottom Logged Interval	6724
Top Log Interval	2000
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	223 F
Estimated Cement Top	2163
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	457
Prot. String				
Production String	4 1/2	11.6	SURFACE	TOTAL DEPTH
Liner				

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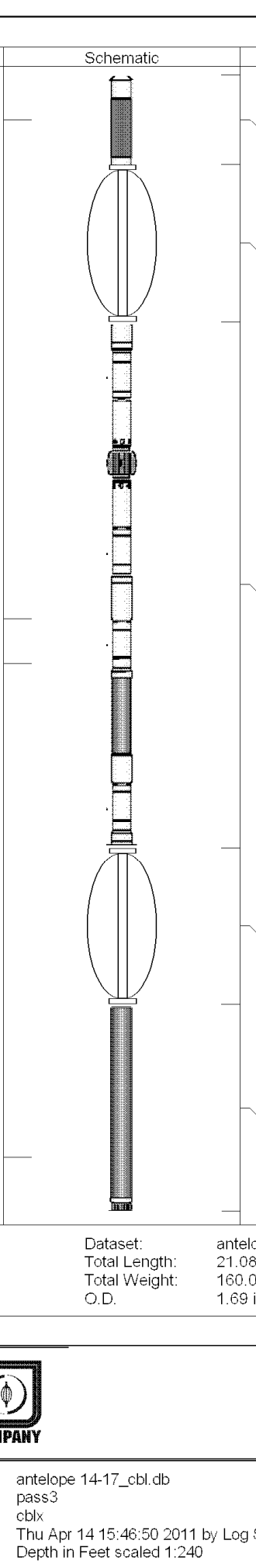
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

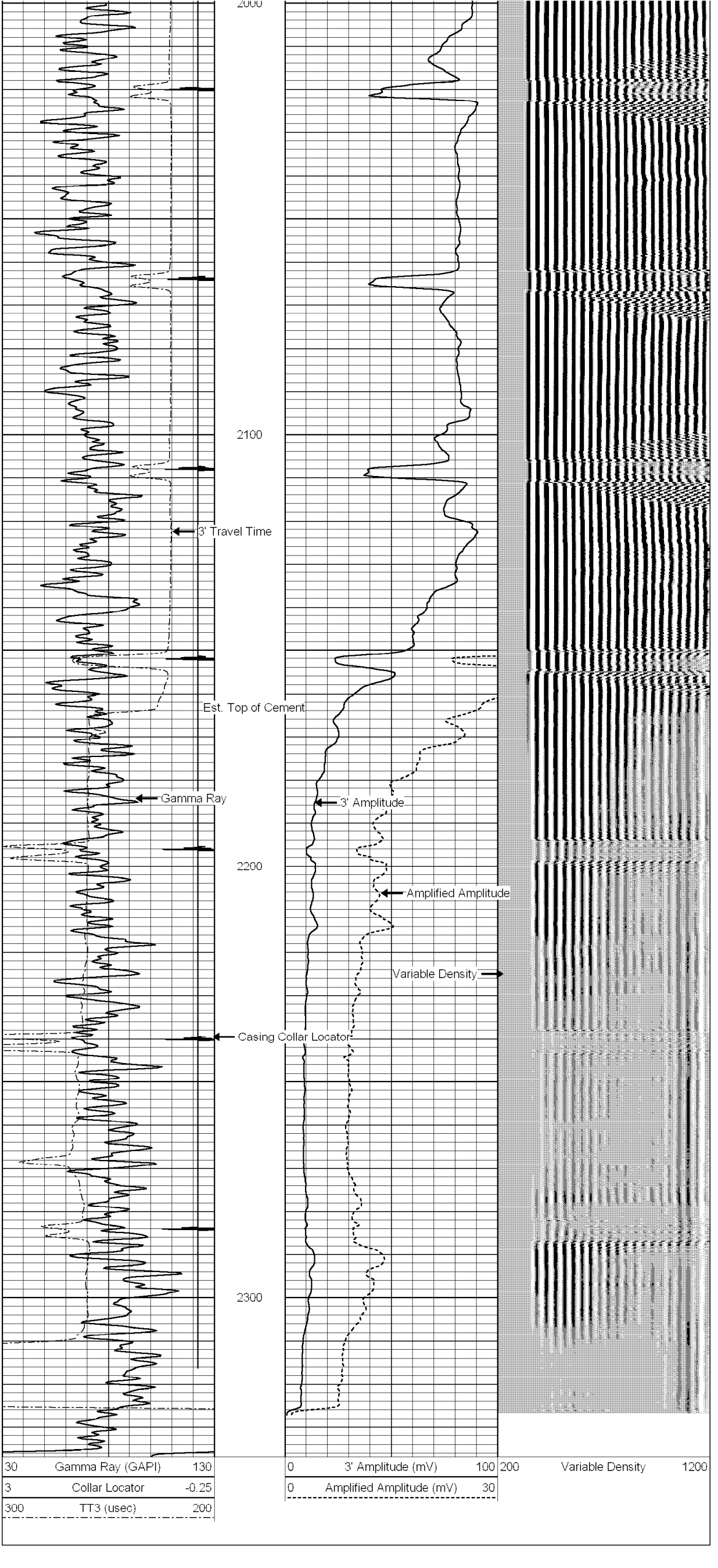
Dataset: antelope 14-17_cbl.db: field/well/run1/pass1
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

MAIN PASS

J-W WIRELINE COMPANY

Database File: antelope 14-17_cbl.db
Dataset Pathname: pass3
Presentation Format: cblx
Dataset Creation: Thu Apr 14 15:46:50 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
3 Collar Locator -0.25	0 Amplified Amplitude (mV) 30	
300 TT3 (usec) 200		



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

MAIN PASS

LOG SPLIT DUE TO TOOL FAILURE

J-W WIRELINE COMPANY

Database File: antelope 14-17_cbl.db
Dataset Pathname: pass2.1
Presentation Format: cblx
Dataset Creation: Thu Apr 14 15:57:59 2011 by Calc 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

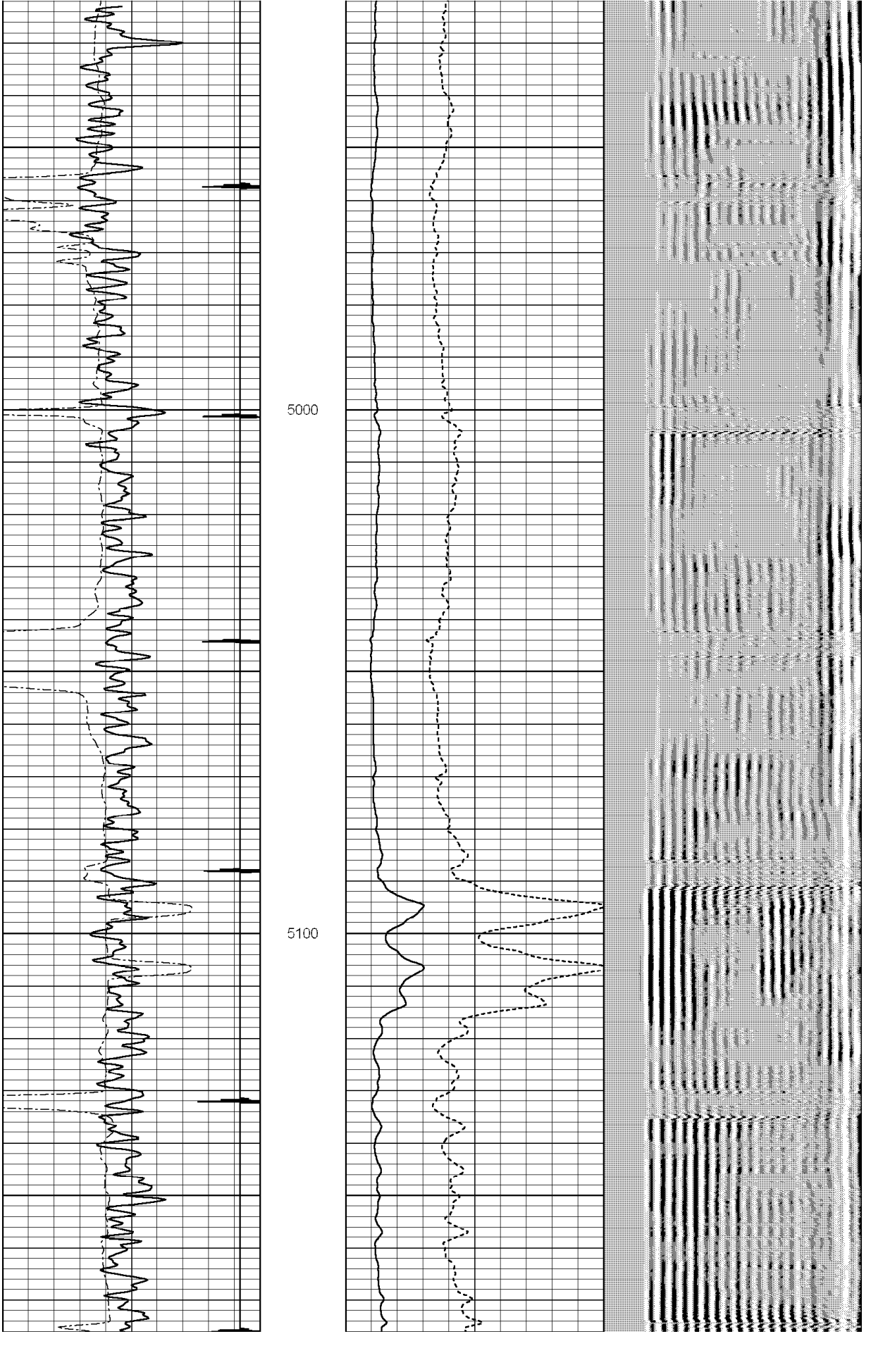
MAIN PASS

LOG SPLIT FOR CORRELATION

J-W WIRELINE COMPANY

Database File: antelope 14-17_cbl.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Thu Apr 14 14:34:53 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



Calibration Report

Database File:	antelope 14-17_cbl.db
Dataset Pathname:	pass1
Dataset Creation:	Thu Apr 14 14:34:53 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 14:20:15 2011		
Depth:	2057.29	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:	1.16116	1.53513	V
Gain:	69.1291	53.9462	
Offset:	0.926126	-1.61839	