PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company WIEPKING-FULLERTON ENERGY, LLC.
Well NAPALI #9
Field GREAT PLAINS
County LINCOLN State COLORADO

Location: 1879' FNL & 1820' FEL
SW NE
SEC 17 TWP 10S RGE 55W

Other Services

Permanent Datum GROUND LEVEL Elevation 5177
Log Measured From KELLY BUSHING 13' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5190
D.F.
G.L. 5177

Company WIEPKING-FULLERTON ENERGY LLC
Well NAPALI #9
Field GREAT PALINS
County LINCOLN
State COLORADO

Date	6-8-2012
Run Number	ONE
Depth Driller	7900
Depth Logger	
Bottom Logged Interval	
Top Log Interval	
Casing Size	5 1/2"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	TR-8
Location	CHEYENNE WELLS, CO.
Recorded By	HENDERSON
Witnessed By	BUBBA HALDE

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	310				
TWO	7 7/8"	310	7900				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	310
Prot. String				
Production String	5 1/2"	17#	0	7885
Liner				

<<< Fold Here >>>

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

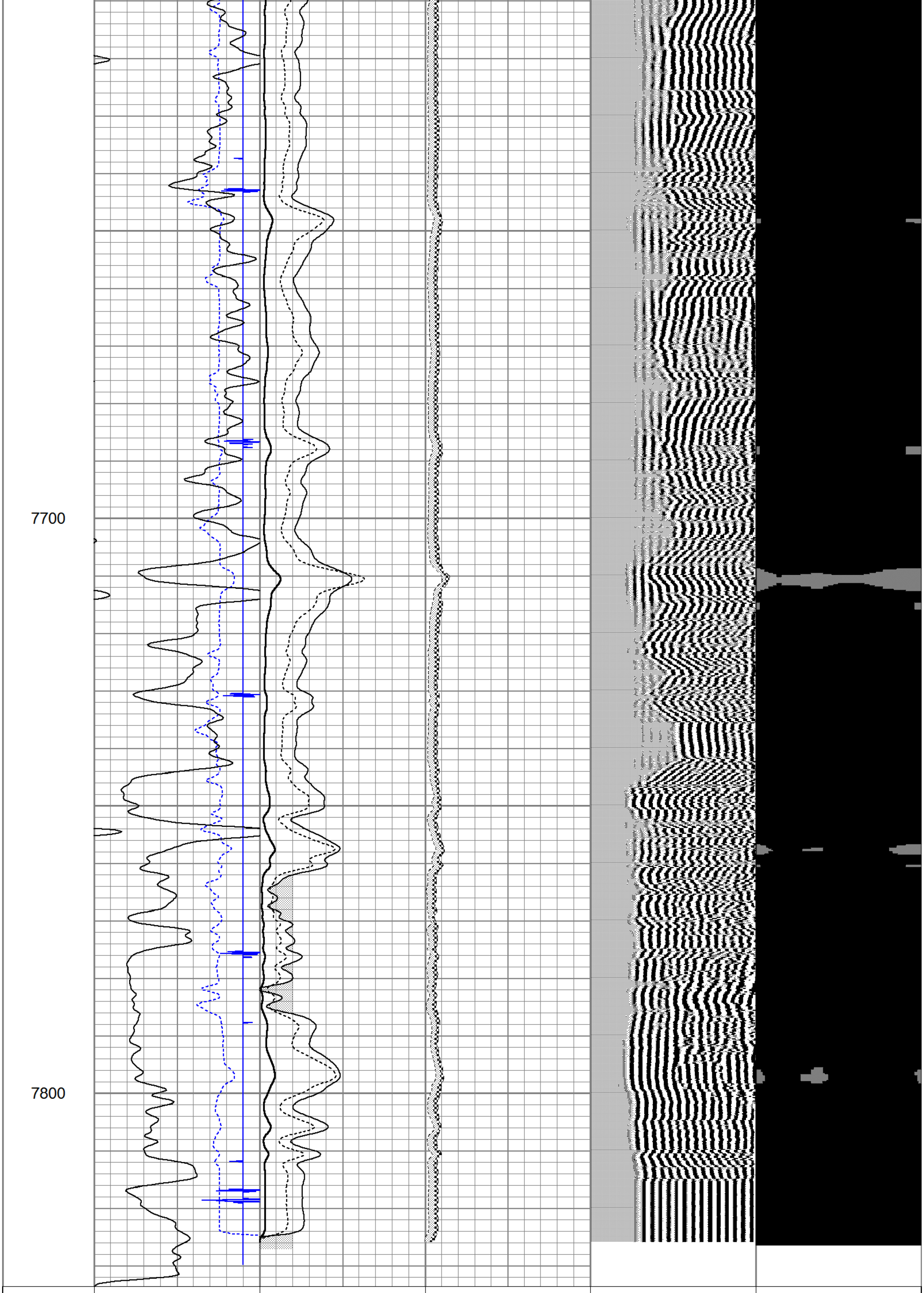
Database File: napali.db
Dataset Pathname: 9/run1/pass4
Presentation Format: scbl02
Dataset Creation: Fri Jun 08 16:59:07 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200 | 1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200	
0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200	
120 GR (GAPI) 240			

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200 | 1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200	
0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200	
120 GR (GAPI) 240			

Database File: napali.db
Dataset Pathname: 9/run1/pass3
Presentation Format: scbl02
Dataset Creation: Fri Jun 08 16:08:37 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

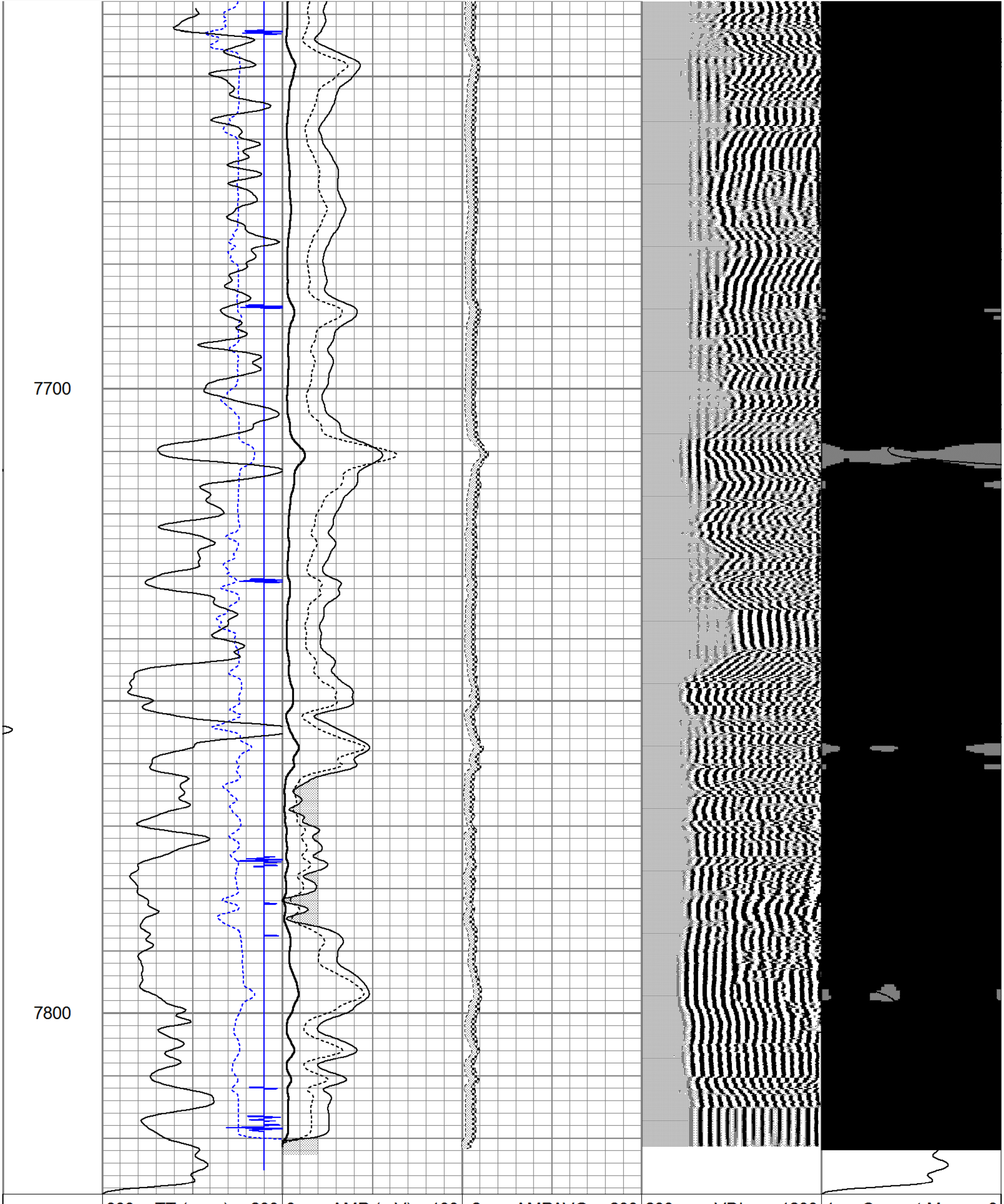
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200 | 1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200	
0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200	
120 GR (GAPI) 240			



800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200		
120 GR (GAPI) 240				

Database File: napali.db
Dataset Pathname: 9/run1/pass2
Presentation Format: scbl02
Dataset Creation: Fri Jun 08 15:59:25 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

GR	800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
(GAPI)	-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		0 GR (GAPI) 100
120 240	0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200		



GR	800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
(GAPI)	-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		0 GR (GAPI) 100
120 240	0 GR (GAPI) 120	1 Bond Index 0	-2 AMPMIN 200		

Calibration Report

Database File: napali.db
Dataset Pathname: 9/run1/pass3
Dataset Creation: Fri Jun 08 16:08:37 2012 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Tue Apr 10 07:49:23 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	1.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	7034.200	ft

Master Calibration, performed Fri Jun 08 15:47:33 2012:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	1.648	0.000	71.921	44.008	-0.609
CAL	1.847	1.865				
5'	-0.095	1.600	0.000	71.921	42.452	4.018
SUM						
S1	-0.158	1.578	0.000	100.000	57.600	9.113
S2	-0.061	1.553	0.000	100.000	61.931	3.804
S3	-0.075	1.579	0.000	100.000	60.451	4.555
S4	-0.111	1.644	0.000	100.000	56.993	6.325
S5	-0.026	1.716	0.000	100.000	57.426	1.467
S6	0.042	1.731	0.000	100.000	59.210	-2.510
S7	-0.062	1.683	0.000	100.000	57.291	3.552
S8	-0.130	1.616	0.000	100.000	57.288	7.450

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.847	1.865	1.000	0.000

Air Zero Calibration, performed Fri Jun 08 15:21:39 2012:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000