PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	MULL DRILLING COMPANY, INC.
Well	WF-MICHEL "A" 1-30
Field	
County	KIOWA
State	COLORADO

Company MULL DRILLING COMPANY, INC.
Well WF-MICHEL "A" 1-30
Field
County KIOWA State COLORADO

Location
605' FNL & 605 FWL
SEC 30 TWP 18S RGE 45W

Other Services

Permanent Datum GROUND LEVEL Elevation 3965
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3976
D.F.
G.L. 3965

Date	7-29-2011	
Run Number	ONE	
Depth Driller	4998	
Depth Logger	4882	2350
Bottom Logged Interval	4878	2350
Top Log Interval	3340	20
Casing Size	5 1/2	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	3480	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-4	
Location	CHEYENNE WELLS, CO	
Recorded By	HENDERSON	
Witnessed By	TRACY AKERS	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4	0	332				
TWO	7 7/8	332	4996				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#	0	332
Prot. String				
Production String	5 1/2	14#	0	4925
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

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PORT COLLAR

Database File: wf.db
Dataset Pathname: a130/run1/pass3
Presentation Format: cbldig
Dataset Creation: Fri Jul 29 08:10:47 2011 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	0 Amplitude (mV) 100	200 Variable Density 1200
0 GR (GAPI) 150	800 Travel Time (usec) 200	

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0 GR (GAPI) 150	800 Travel Time (usec) 200	

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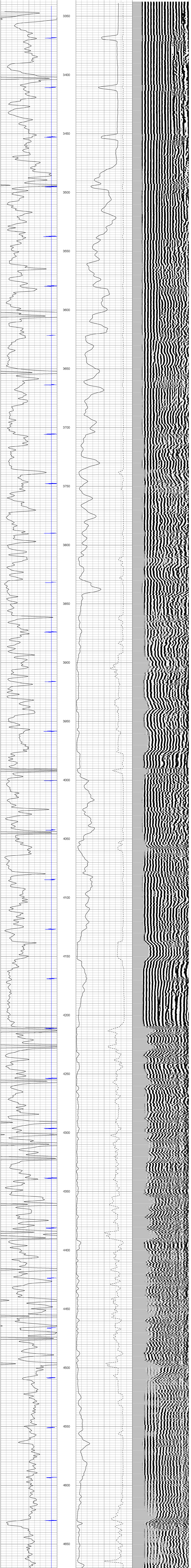
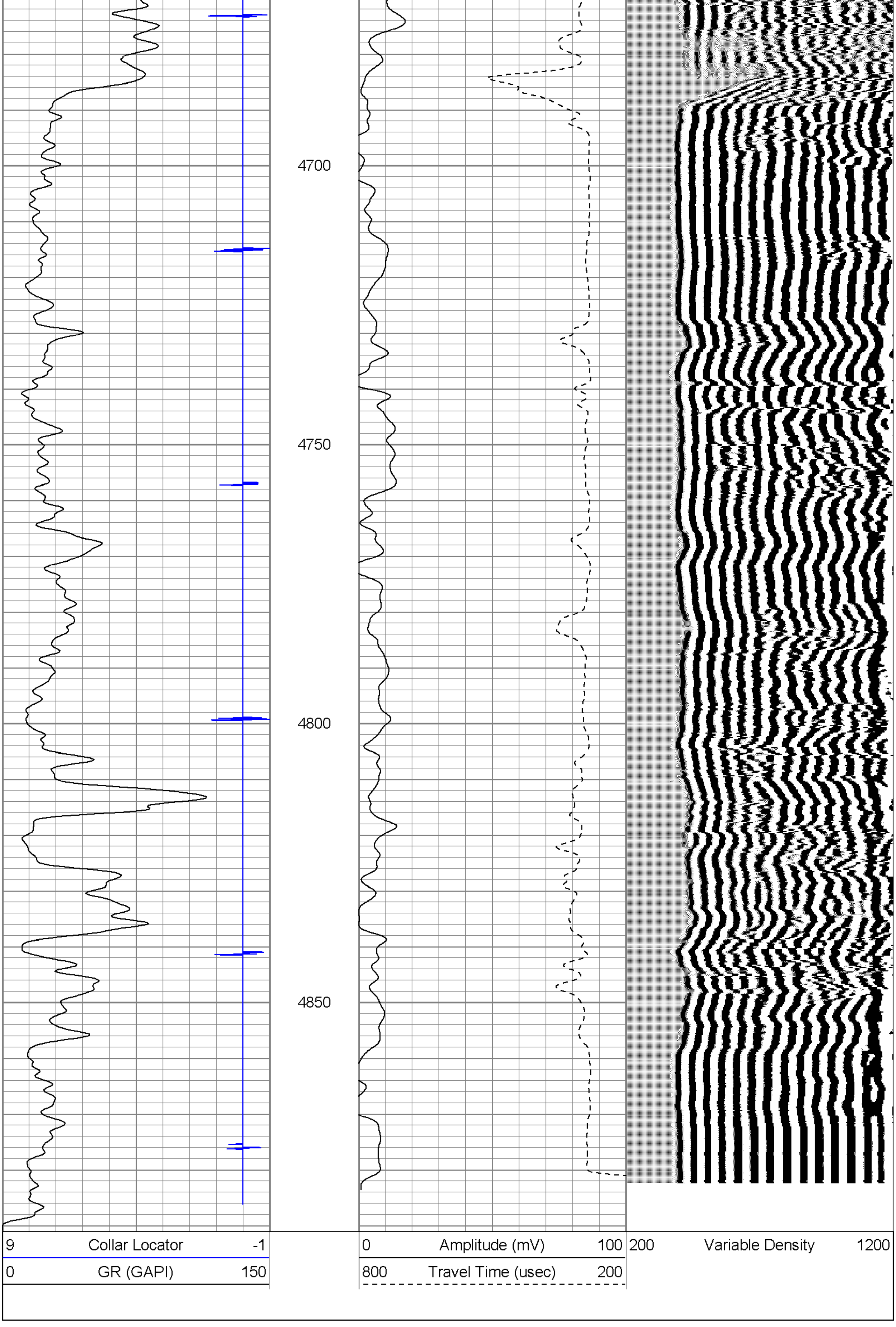
MAIN PASS

Database File: wf.db
Dataset Pathname: a130/run1/pass2.1
Presentation Format: cbldig
Dataset Creation: Fri Jul 29 08:52:44 2011
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	0 Amplitude (mV) 100	200 Variable Density 1200
0 GR (GAPI) 150	800 Travel Time (usec) 200	





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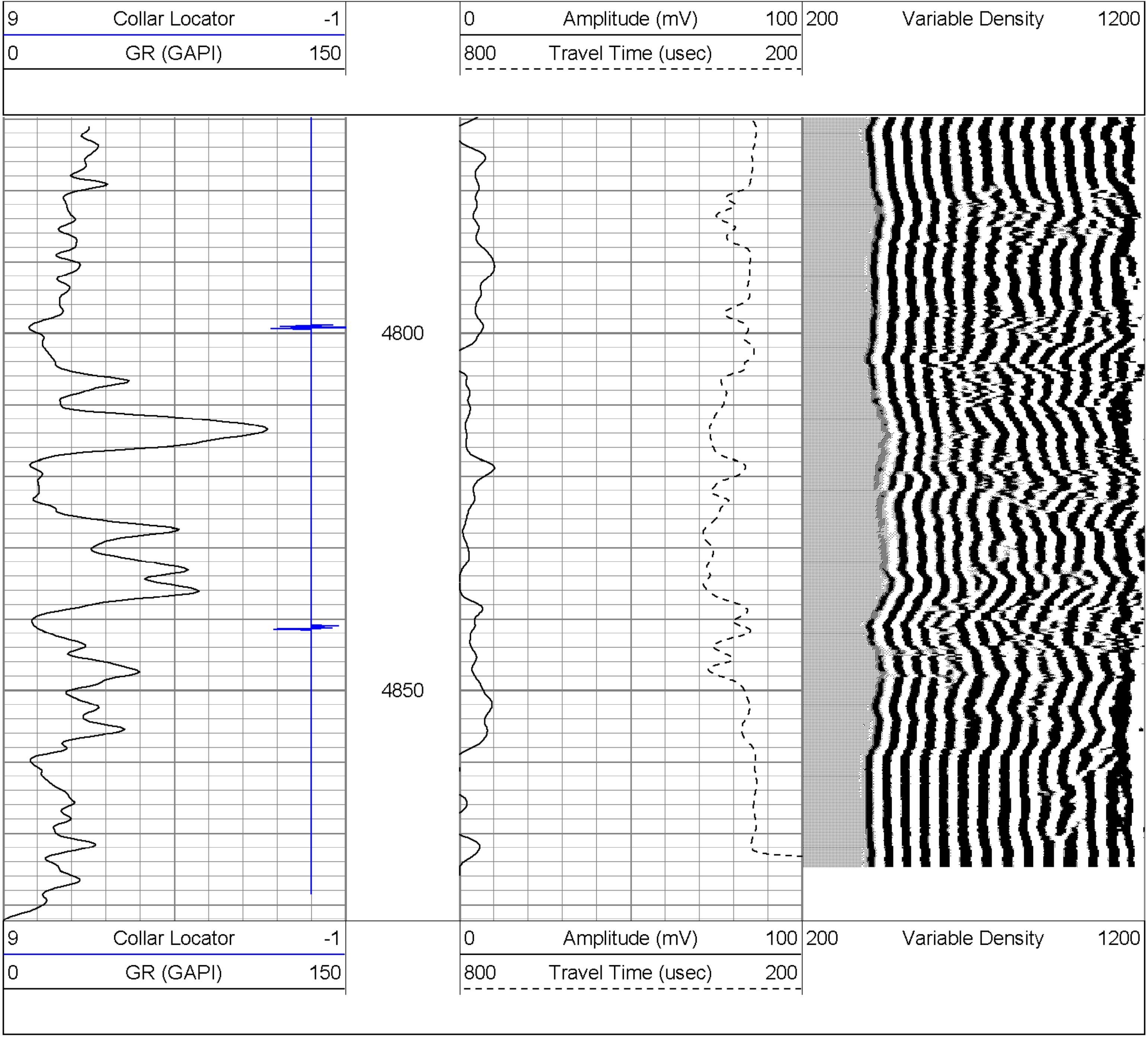
REPEAT SECTION

Database File: wf.db
Dataset Pathname: a130/run1/pass1
Presentation Format: cbldig
Dataset Creation: Fri Jul 29 07:27:29 2011 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: wf.db
Dataset Pathname: a130/run1/pass2
Dataset Creation: Fri Jul 29 07:32:17 2011 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Tue May 10 08:08:21 2011	
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:	5.5dig040201	
Tool Model:	Probe275Digital	
Performed:	Fri Jul 29 07:30:49 2011	
Depth:	2635.84	ft
Casing Diameter:	5.5	in

	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	-0.03	0	V
Reading in Free Pipe:	2.24663	2.26074	V
Gain:	31.591	31.813	
Offset:	0.94773	0	