PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company WIEPKING-FULLERTON ENERGY, LLC.
Well MAHALO #7
Field GREAT PLAINS
County LINCOLN
State COLORADO

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Field GREAT PLAINS
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Location

SE NW
SEC 29 TWP 10S RGE 55W

Other Services

Permanent Datum GROUND LEVEL Elevation 5199
Log Measured From KELLY BUSHING 13' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5212
D.F. 5211
G.L. 5199

Date	7-10-2012		
Run Number	ONE		
Depth Driller	7890		
Depth Logger	7844	4700	
Bottom Logged Interval	7840	4700	
Top Log Interval	5600	3700	
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	5706		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-8		
Location	CHEYENNE WELLS, CO.		
Recorded By	HENDERSON		
Witnessed By	WADE GALLI		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	312				
TWO	7 7/8"	312	7890				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	312
Prot. String				
Production String	5 1/2"	17#	0	7884
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.

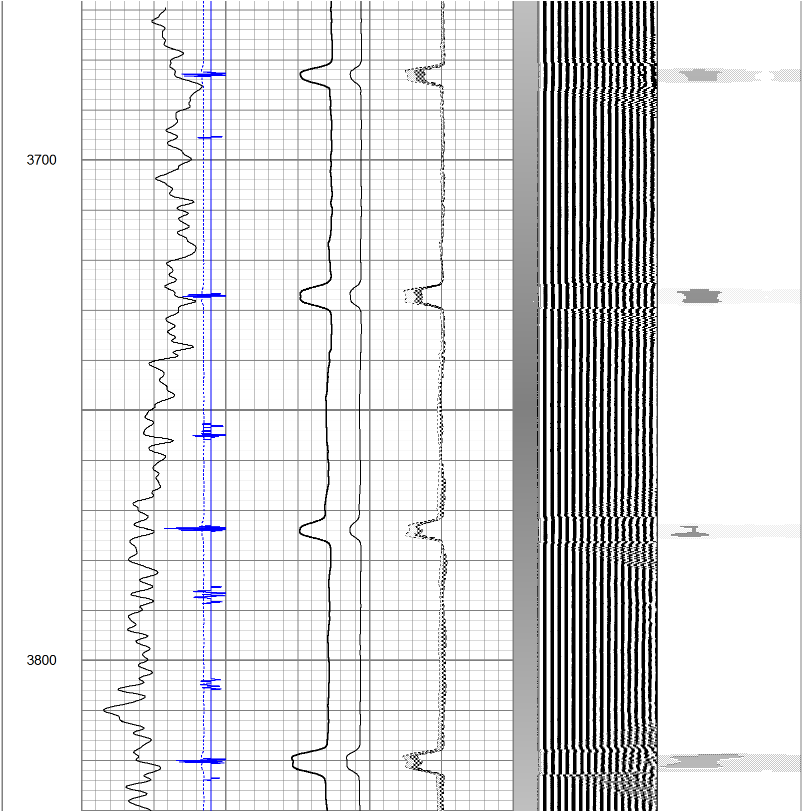
Comments

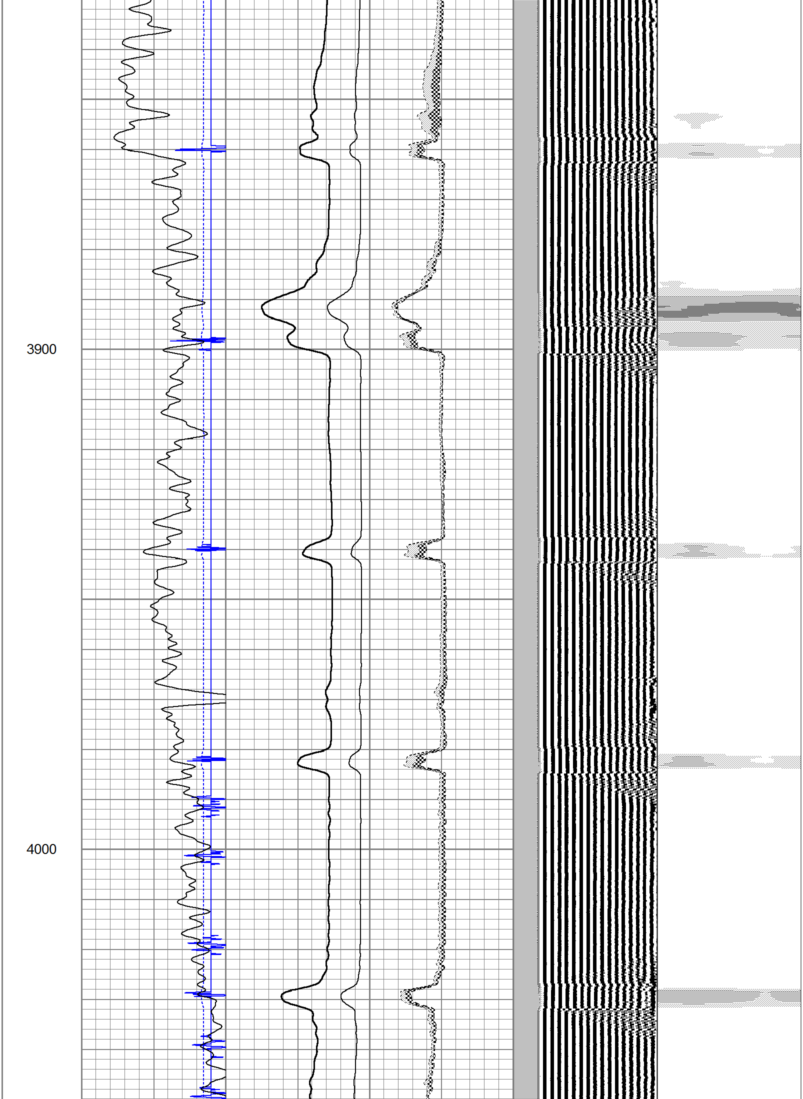
PEAK WIRELINE SERVICES, INC.

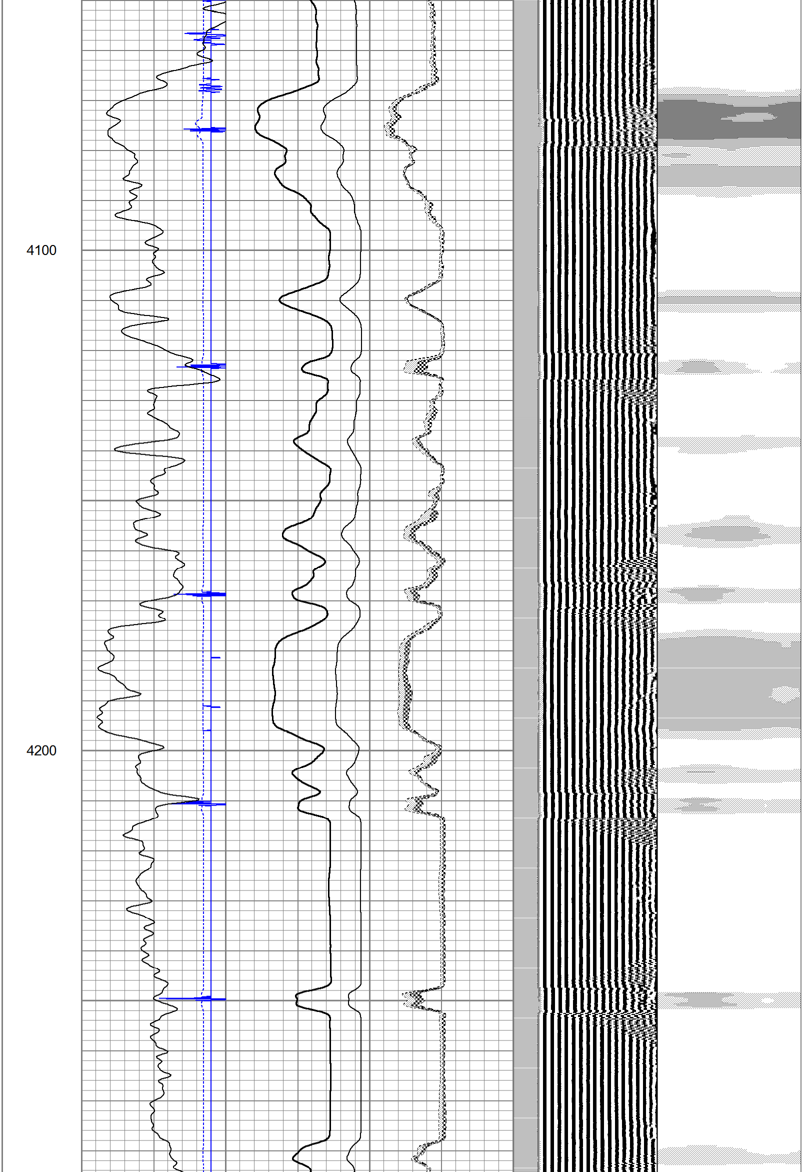
PORT COLLAR

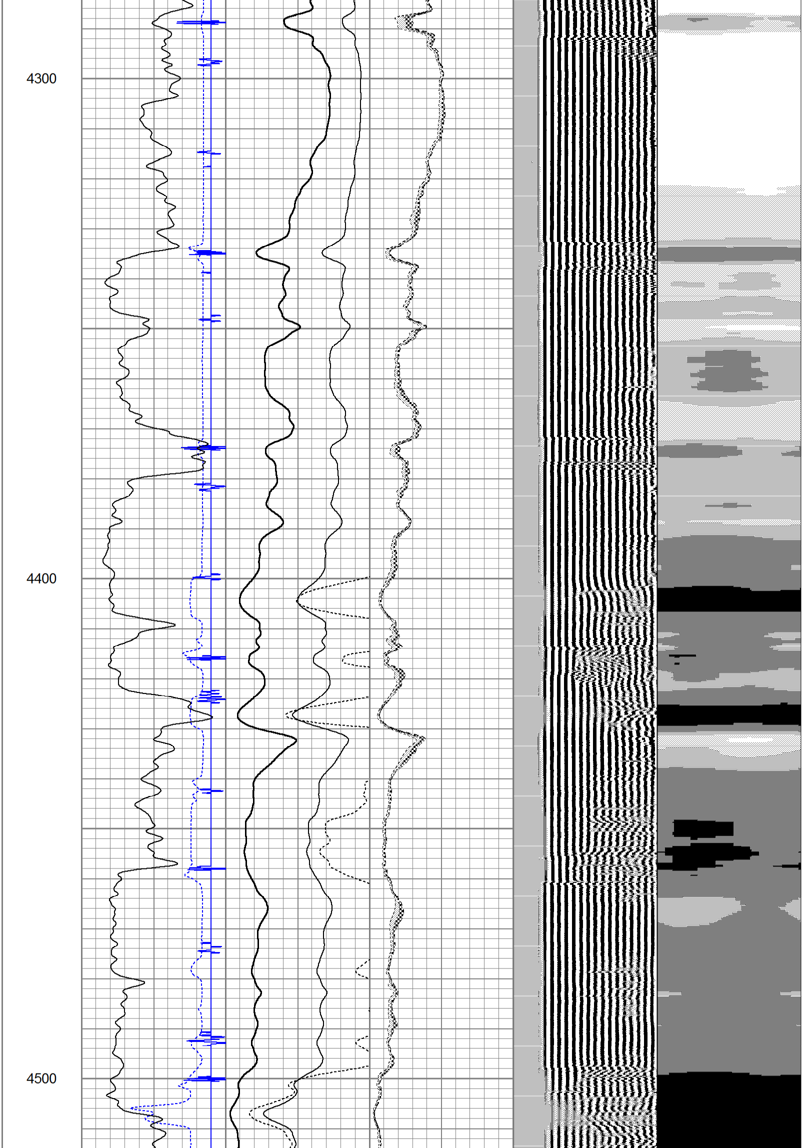
Database File:	mahalo.db
Dataset Pathname:	7/run1/pass3
Presentation Format:	scbl02
Dataset Creation:	Tue Jul 10 08:21:36 2012 by Log Std Casedhole 10071
Charted by:	Depth in Feet scaled 1:240

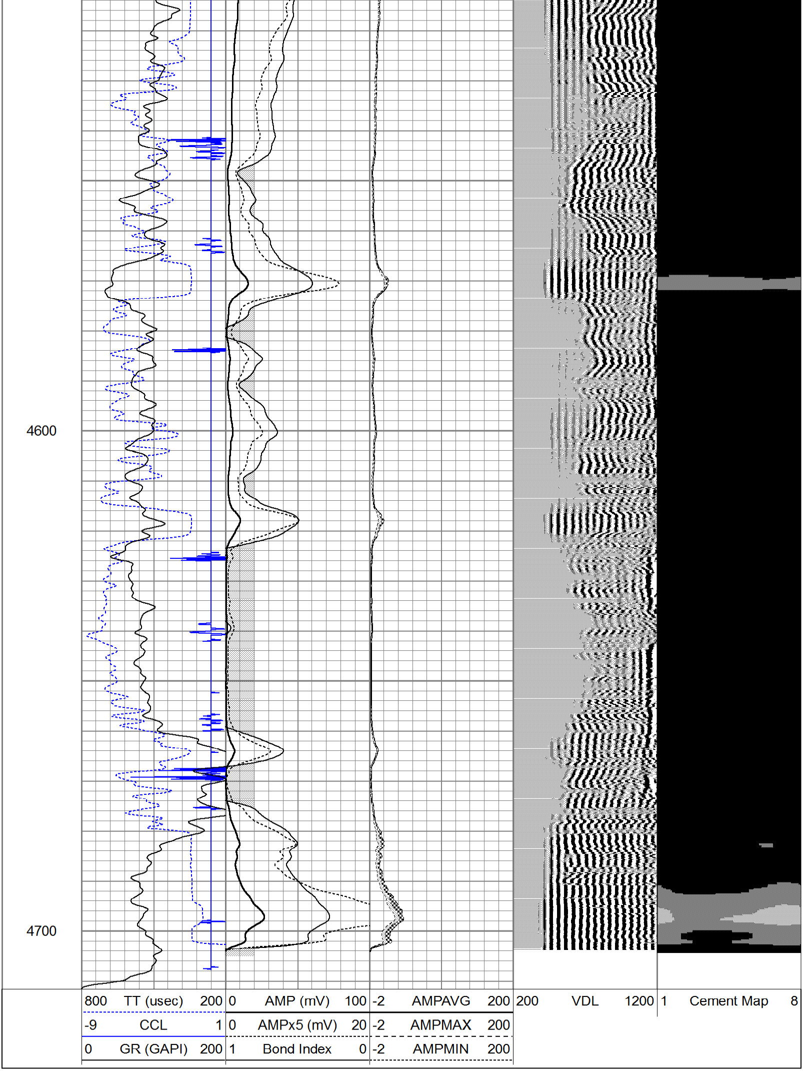
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		









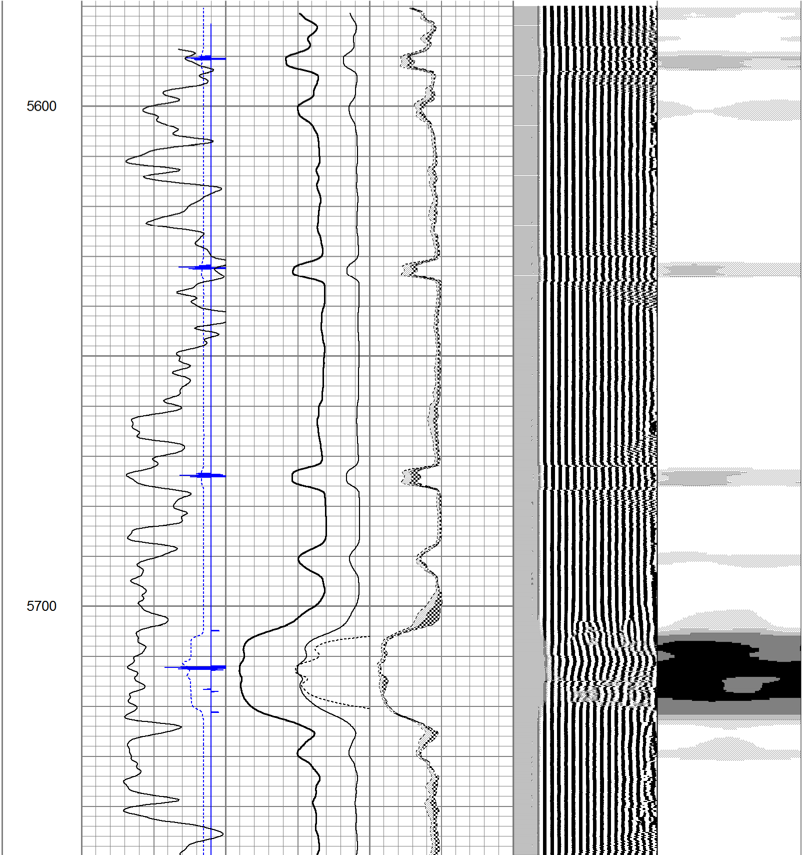


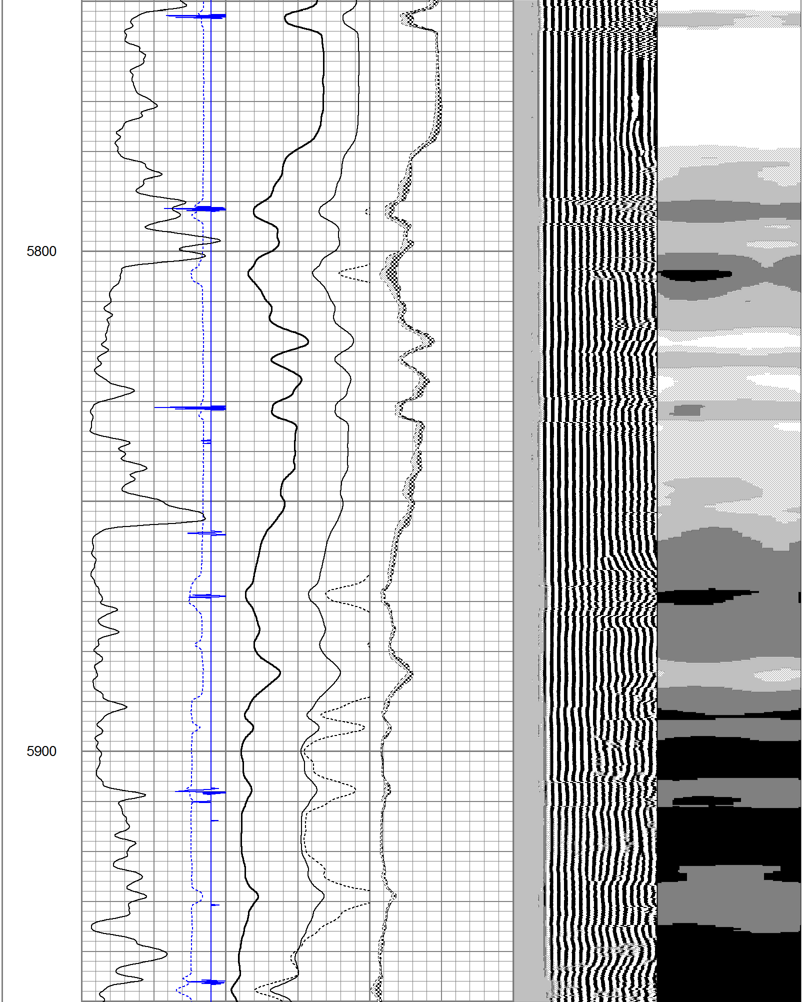
PEAK WIRELINE
SERVICES, INC.

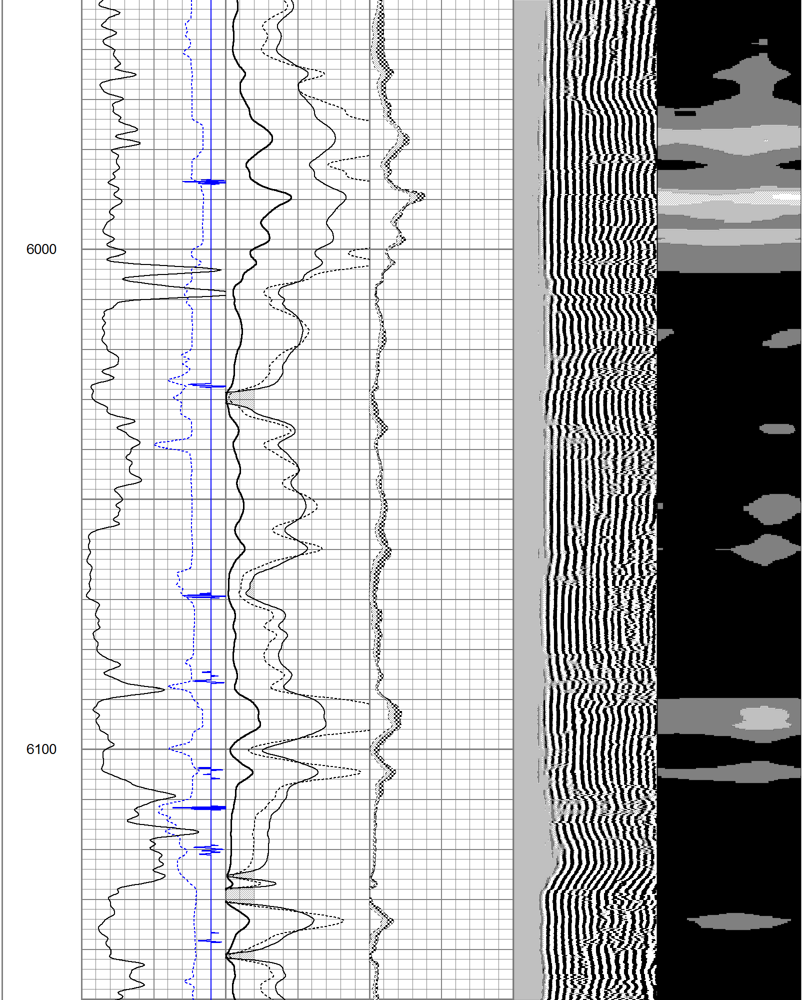
MAIN PASS

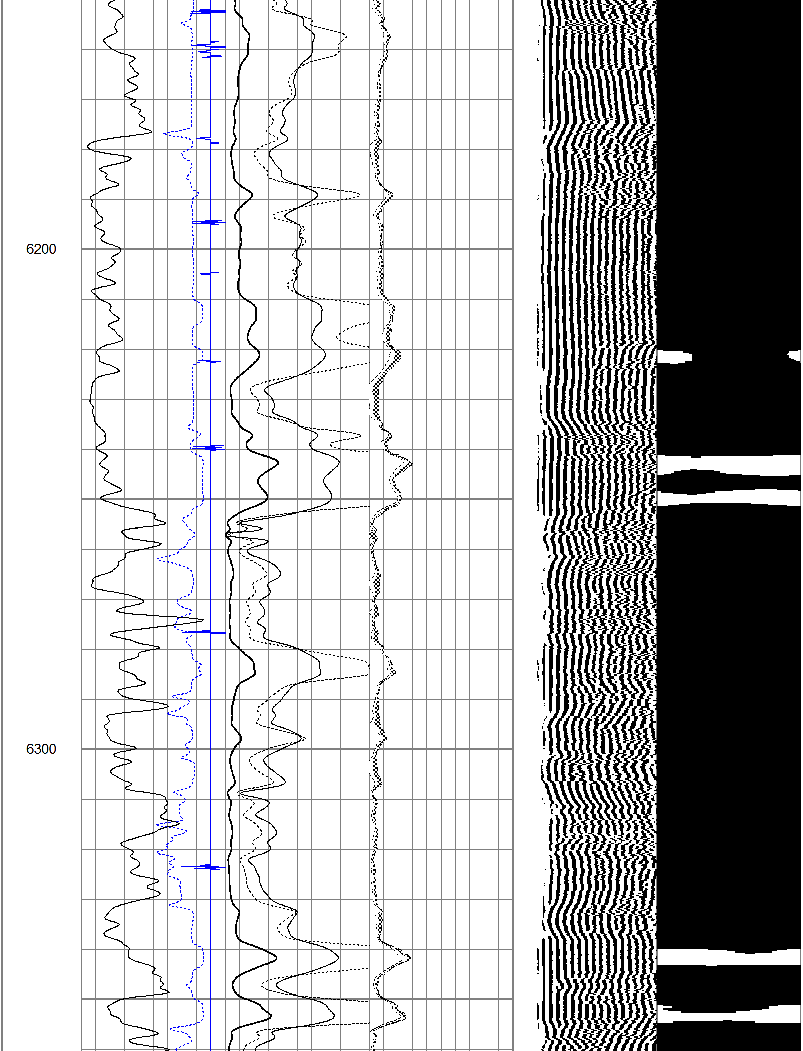
Database File:	mahalo.db
Dataset Pathname:	7/run1/pass2.1
Presentation Format:	scbl02
Dataset Creation:	Tue Jul 10 18:04:59 2012
Charted by:	Depth in Feet scaled 1:240

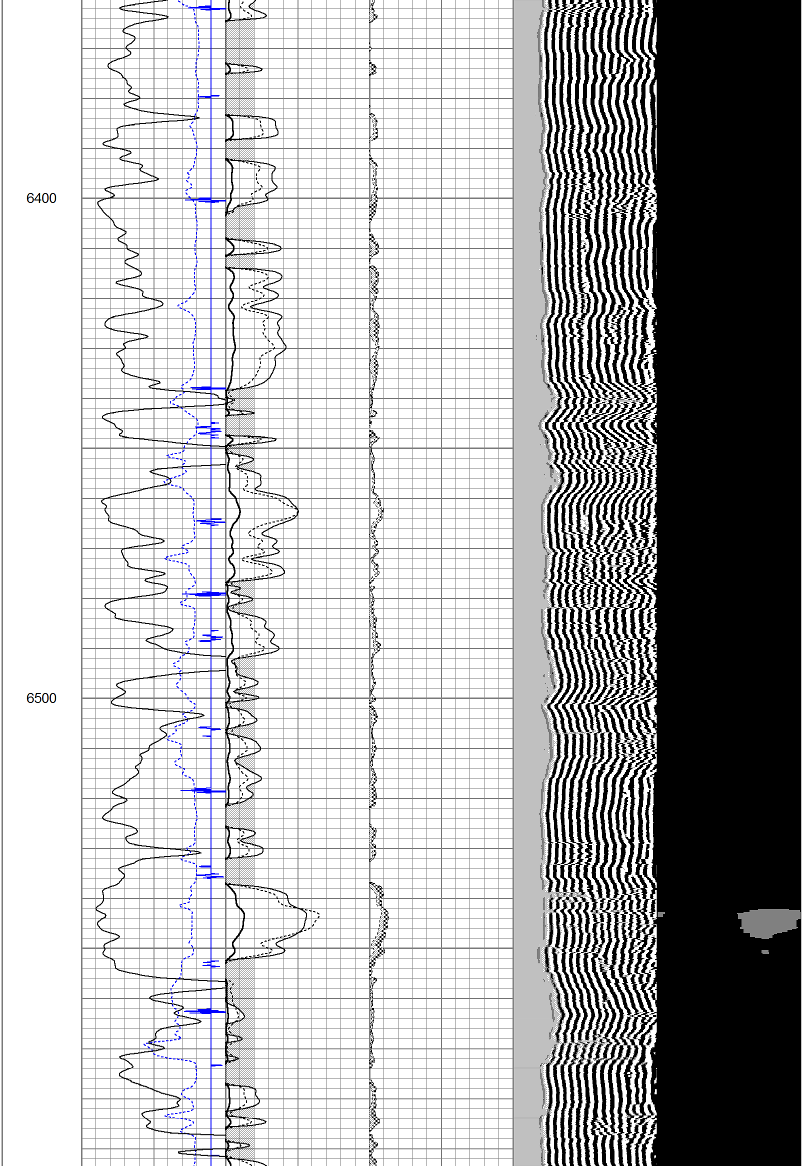
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		

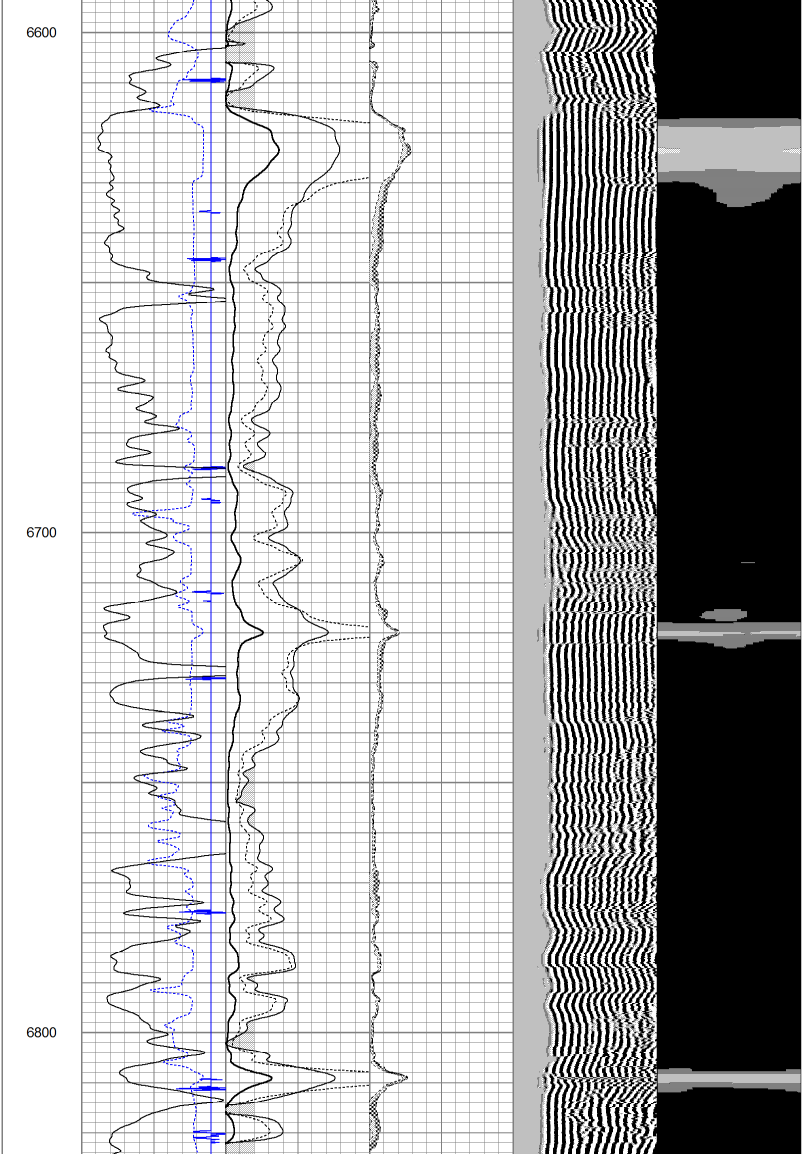


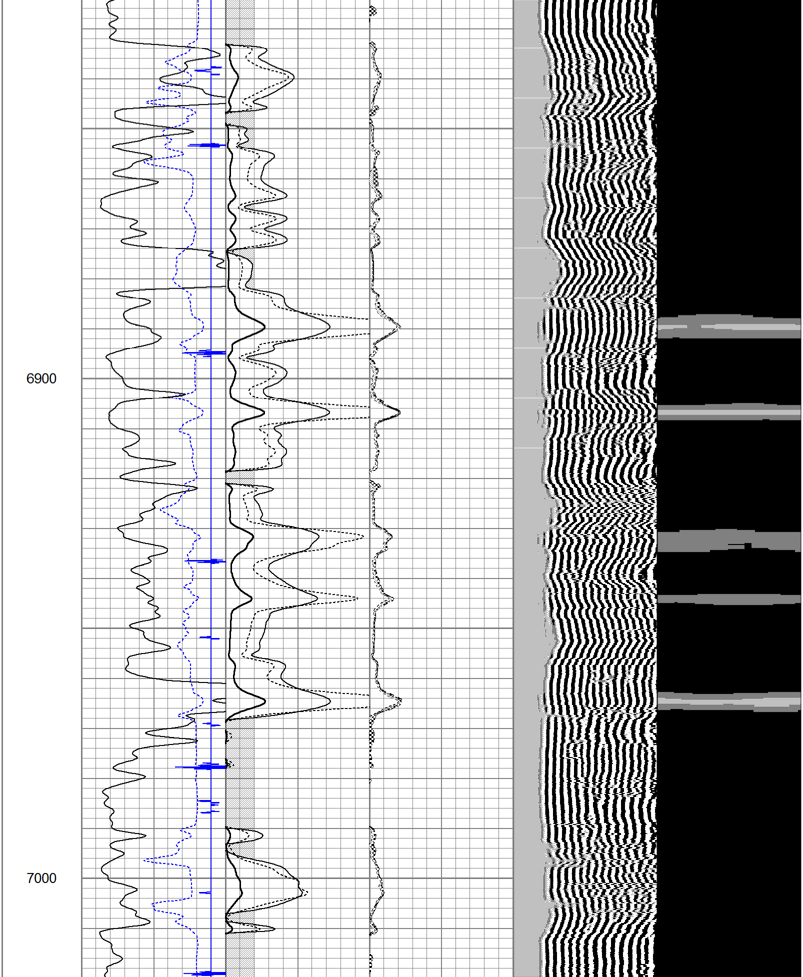


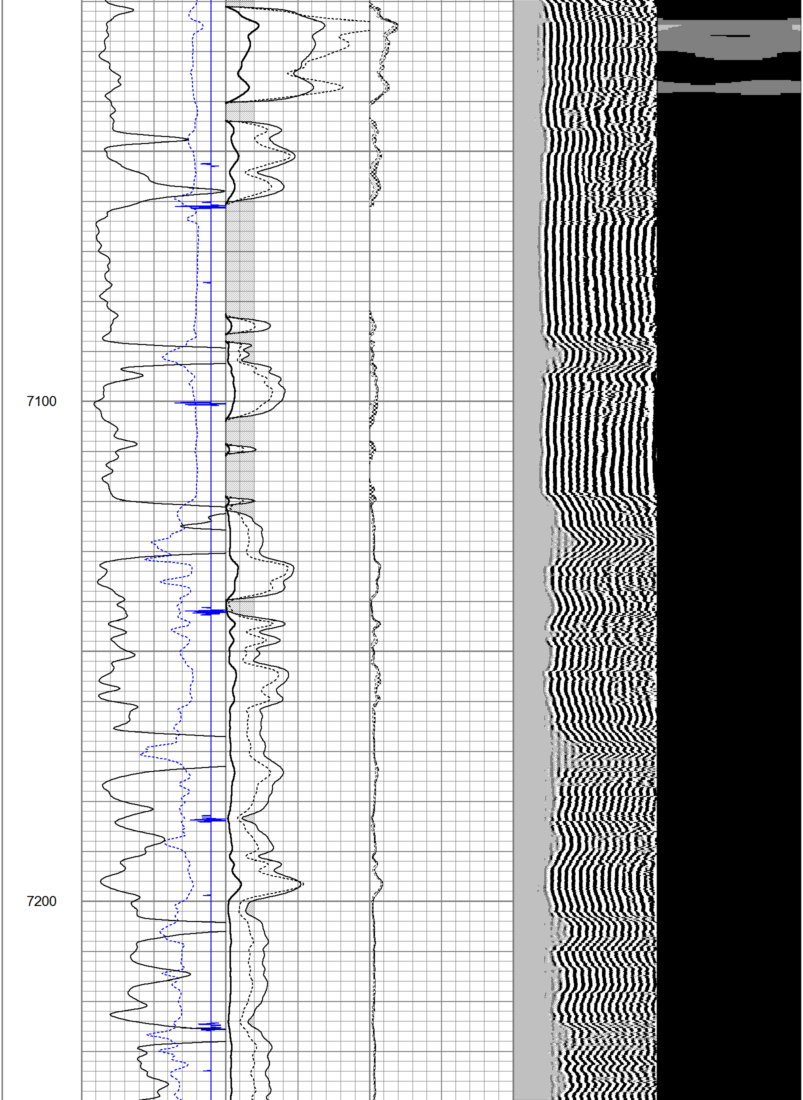


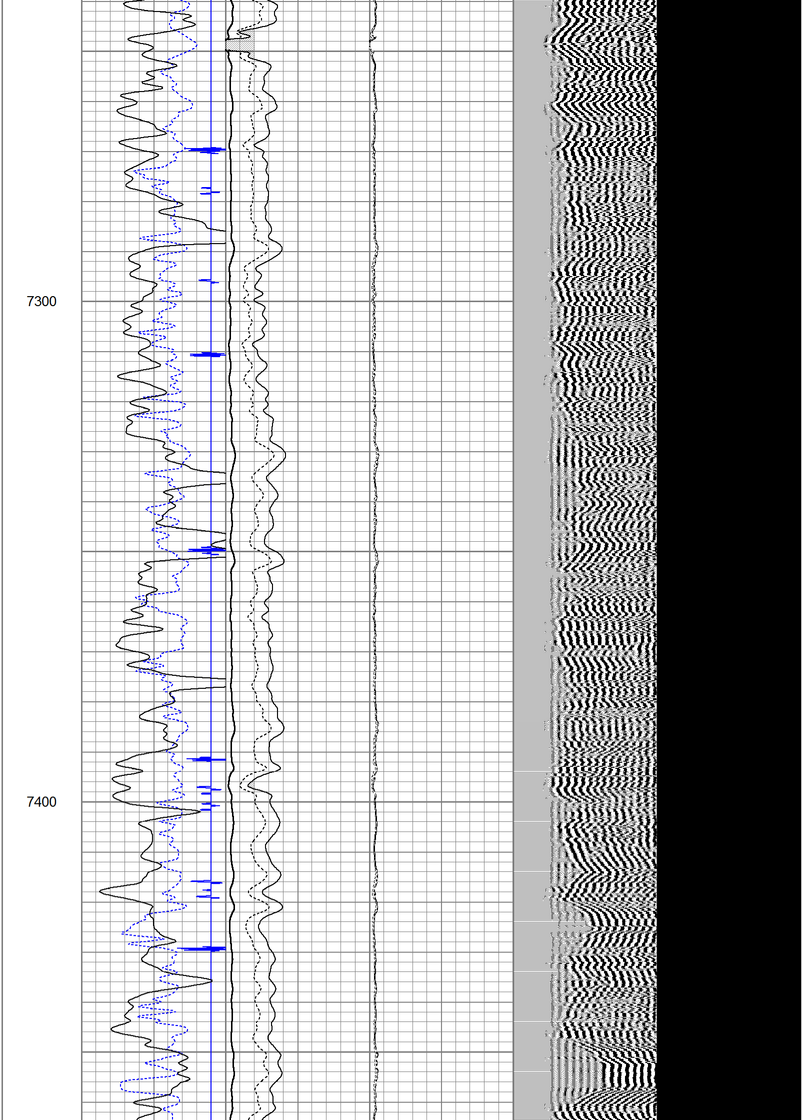


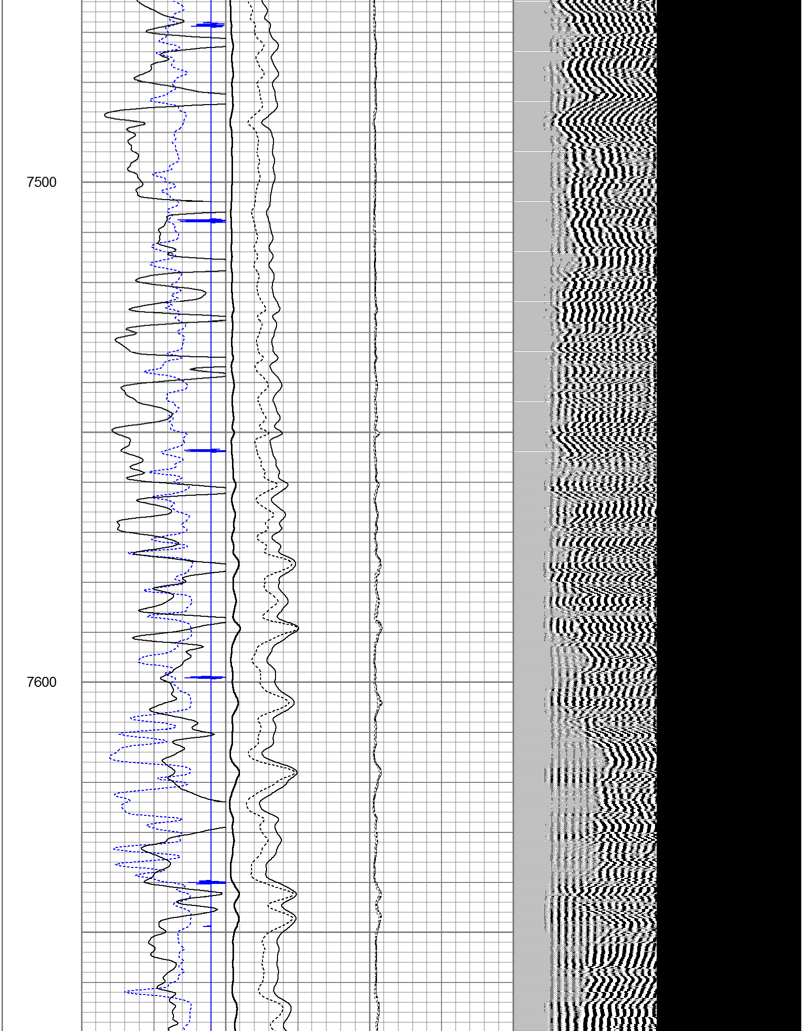


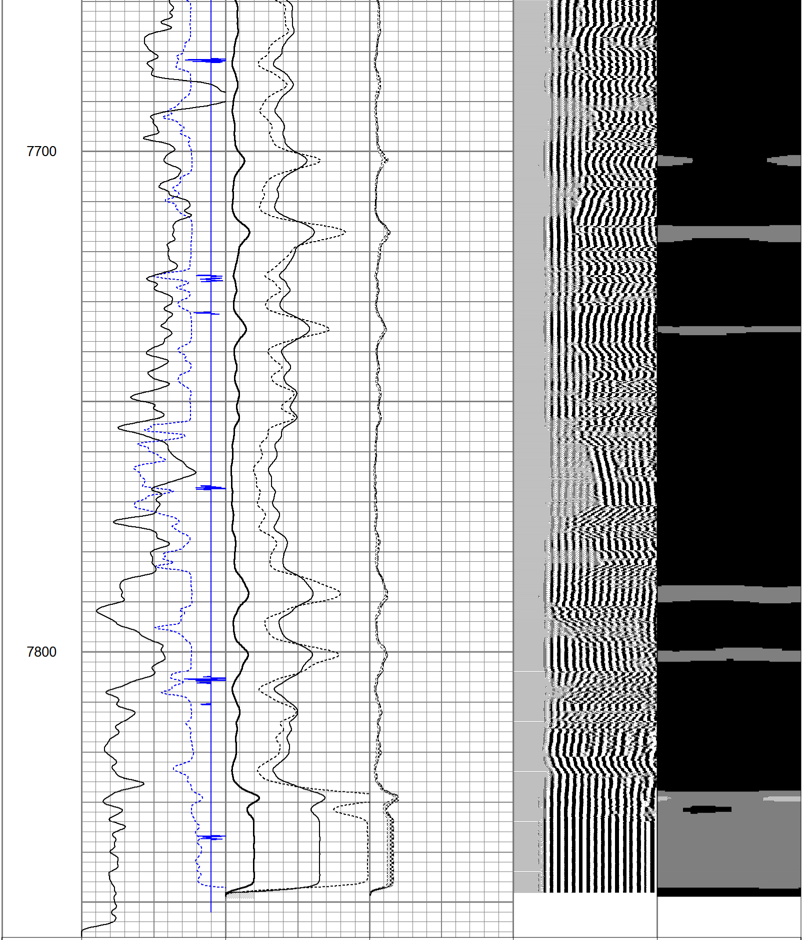












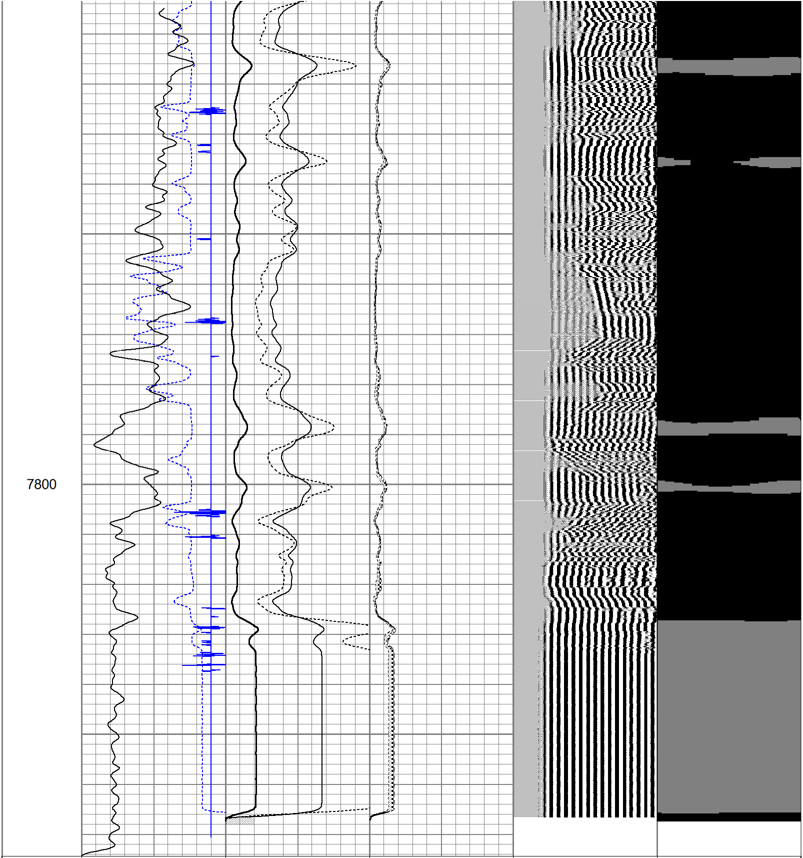
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		

PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File: mahalo.db
Dataset Pathname: 7/run1/pass1
Presentation Format: scbl02
Dataset Creation: Tue Jul 10 07:29:07 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) 200	1 Bond Index 0	-2 AMPMIN 200		



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)	200	1	Bond Index	0	-2	AMPMIN	200

Calibration Report

Database File:	mahalo.db
Dataset Pathname:	7/run1/pass1
Dataset Creation:	Tue Jul 10 07:29:07 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 Casing Diameter: 5.500 in
Calibration Depth: 5006.792 ft

Master Calibration, performed Tue Jul 10 07:18:54 2012:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.013	1.625	0.000	71.921	44.625	-0.596
CAL	1.882	1.855				
5'	0.013	1.594	0.000	71.921	45.497	-0.610
SUM						
S1	0.010	1.578	0.000	100.000	63.763	-0.629
S2	0.012	1.600	0.000	100.000	62.989	-0.766
S3	0.013	1.632	0.000	100.000	61.751	-0.792
S4	0.013	1.668	0.000	100.000	60.408	-0.763
S5	0.013	1.666	0.000	100.000	60.497	-0.785
S6	0.015	1.631	0.000	100.000	61.864	-0.912
S7	0.014	1.579	0.000	100.000	63.918	-0.895
S8	0.014	1.555	0.000	100.000	64.909	-0.918

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	1.882	1.855	1.000	0.000

Air Zero Calibration, performed Tue Jul 10 07:06:33 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