PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company WIEPKING-FULLERTON ENERGY, LLC.
Well MAHALO #2
Field GREAT PLAINS
County LINCOLN
State COLORADO

Company	WIEPKING-FULLERTON ENERGY, LLC.
Well	MAHALO #2
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

Location
660' FNL & 1980' FWL
NE NW
SEC 29 TWP 10S RGE 55W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	5215
Log Measured From	KELLY BUSHING 13' AGL		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 5228
D.F. 5227
G.L. 5215

Date	7-21-2011		
Run Number	ONE		
Depth Driller	7848		
Depth Logger	7793		
Bottom Logged Interval	7789		
Top Log Interval	6100		
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	6310		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-7		
Location	CHEYENNE WELLS, CO.		
Recorded By	HENDERSON		
Witnessed By	BUBBA		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	318				
TWO	7 7/8"	318	7848				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	318
Prot. String				
Production String	5 1/2"	17#	0	
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.

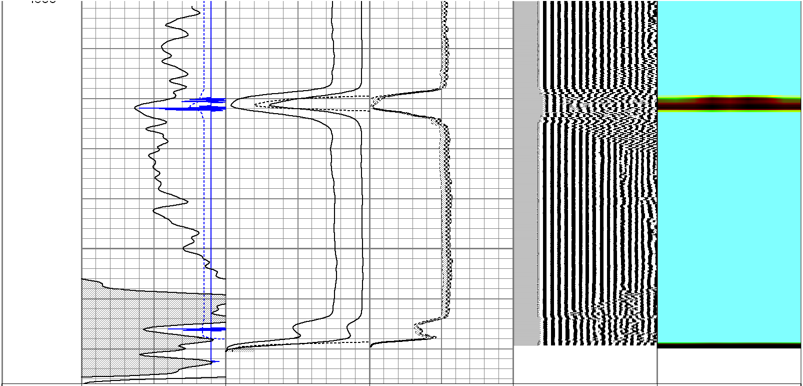
Comments

PEAK WIRELINE
SERVICES, INC.

PORT COLLAR

Database File: mahalo.db
Dataset Pathname: 2/run1/pass1
Presentation Format: scbl02
Dataset Creation: Thu Jul 21 13:16:56 2011 by Log Std Casedhole 07081
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				

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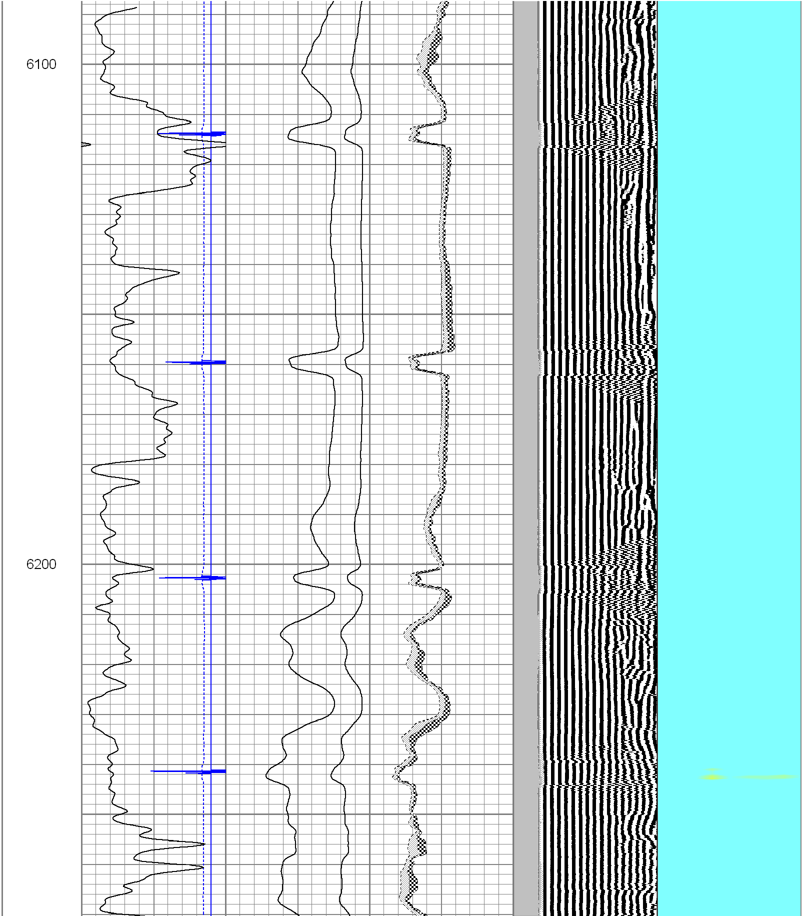
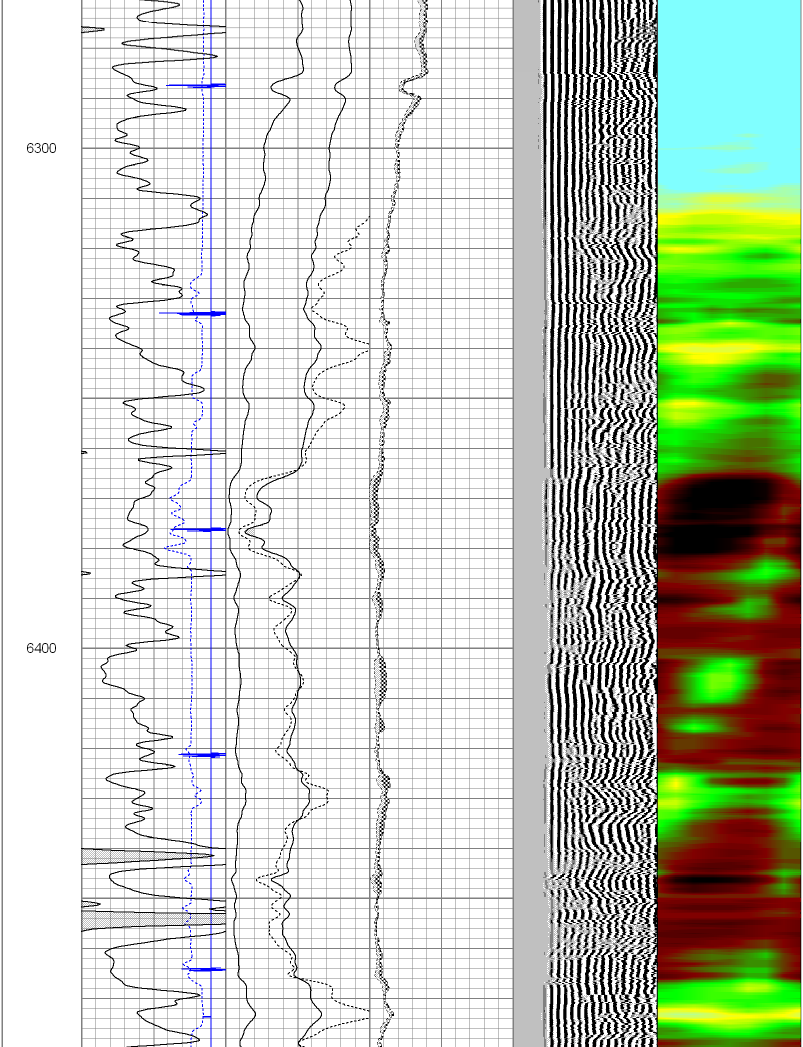
SERVICES, INC.

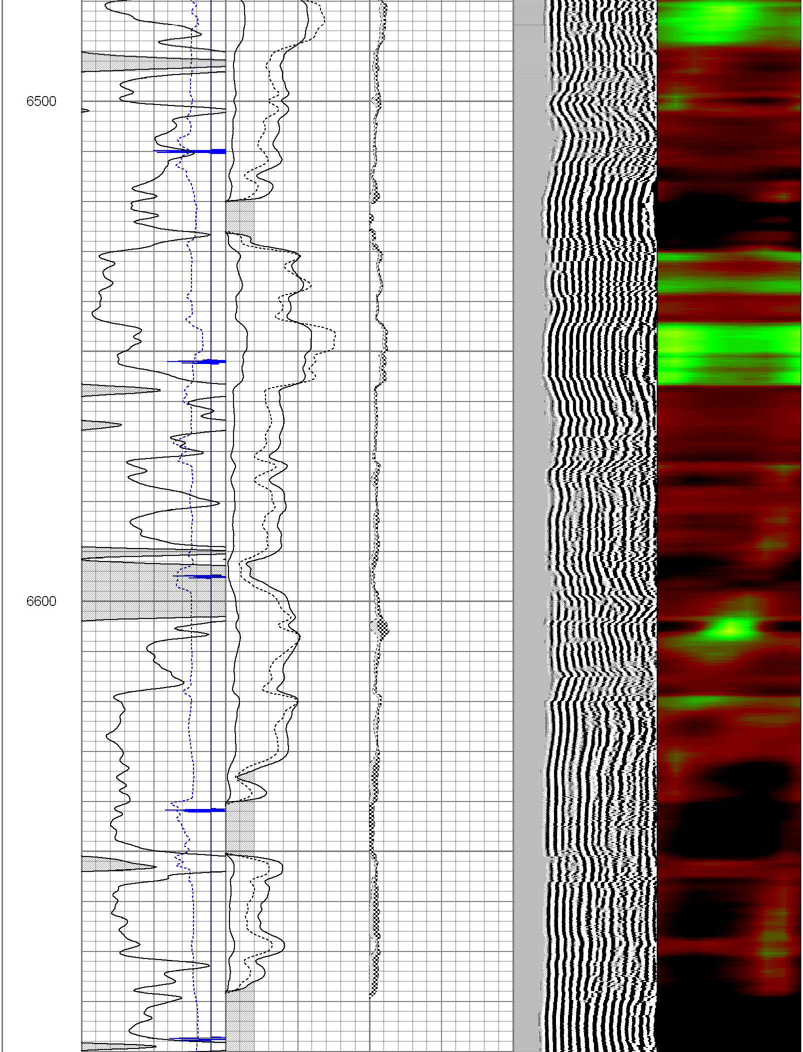
MAIN PASS

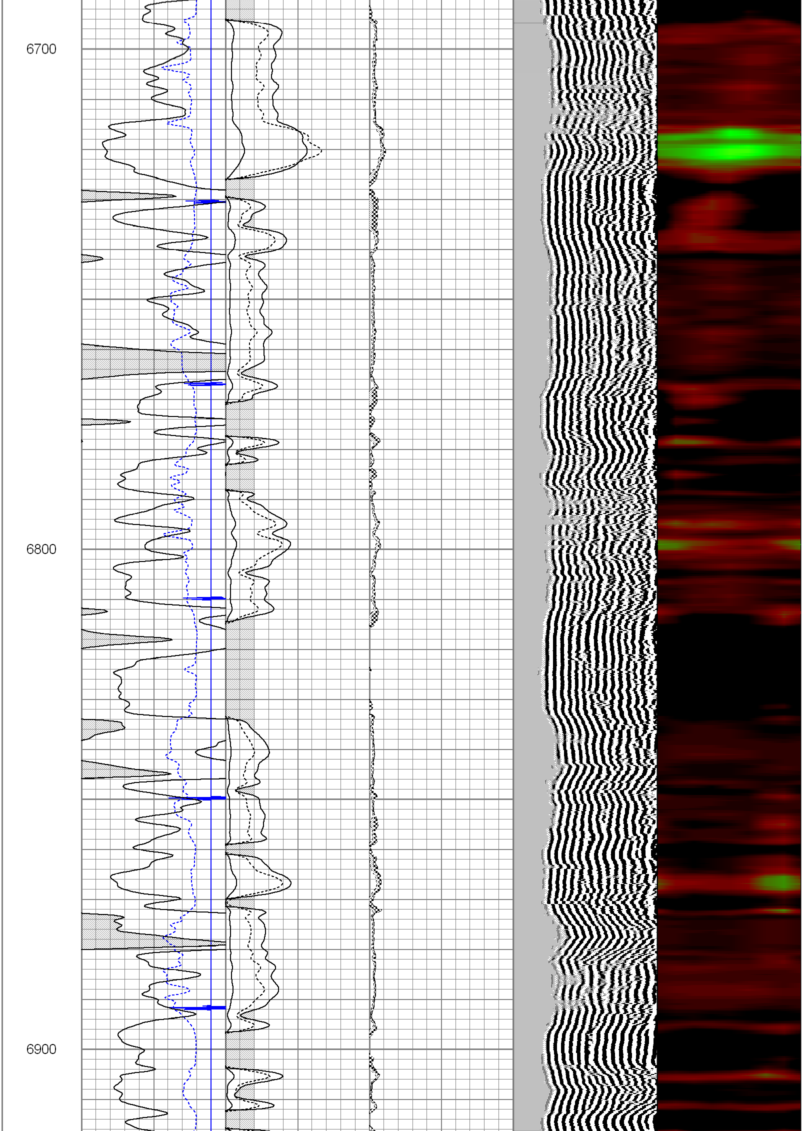
Database File: mahalo.db
Dataset Pathname: 2/run1/pass3
Presentation Format: scbl02
Dataset Creation: Thu Jul 21 13:35:51 2011 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

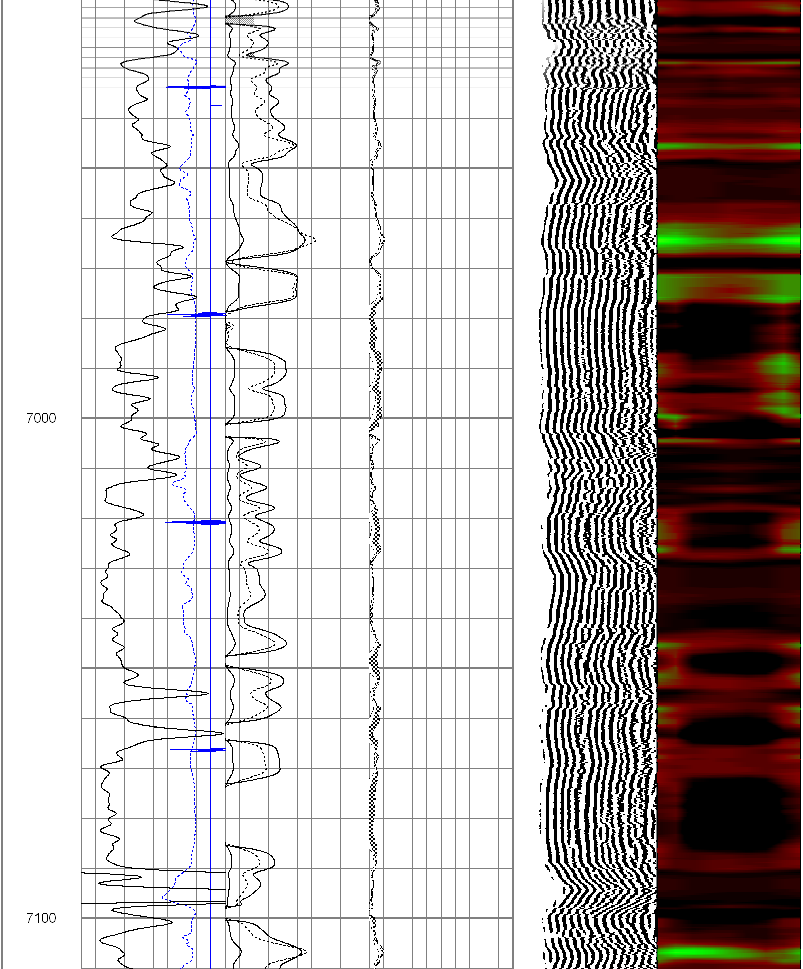
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 150	1 Bond Index 0	-2 AMPMIN 200		
150 GR (GAPI) 300				

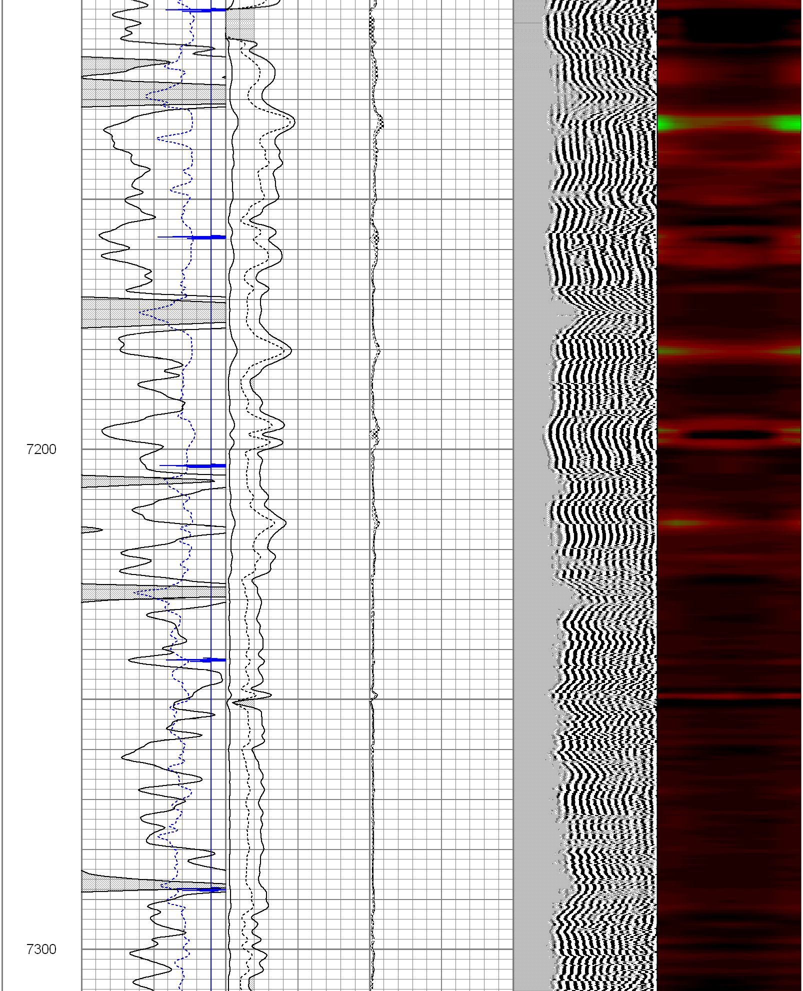


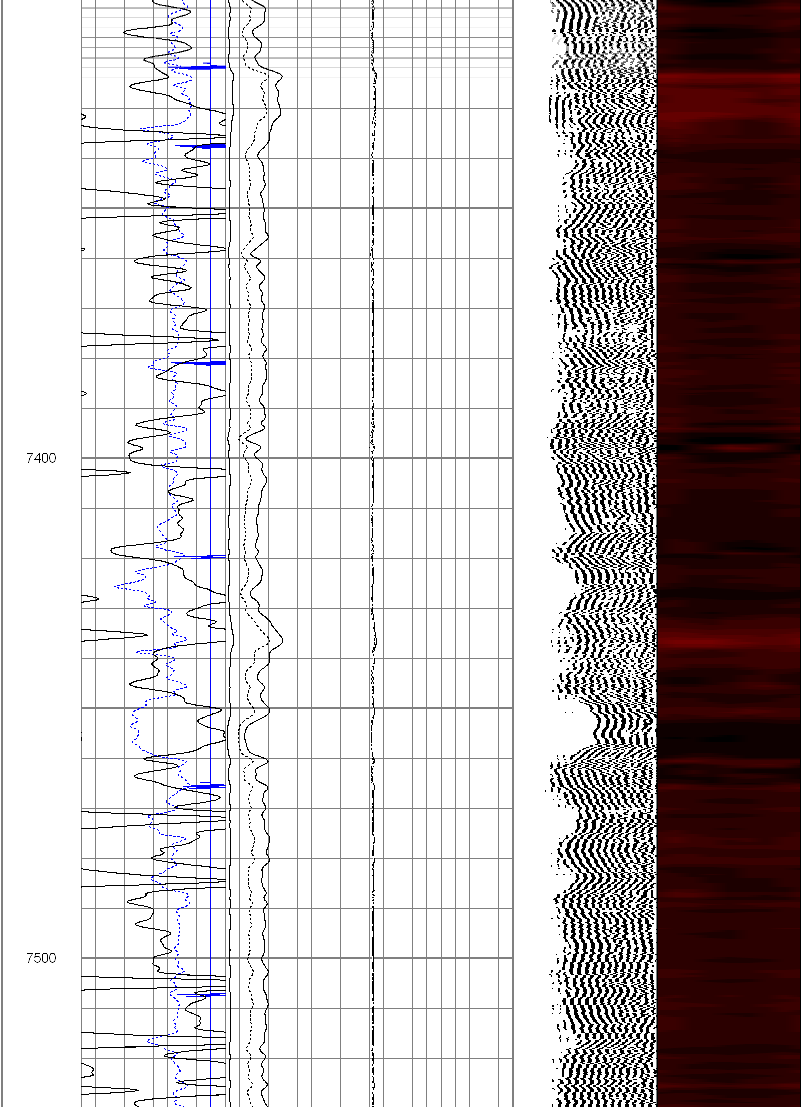


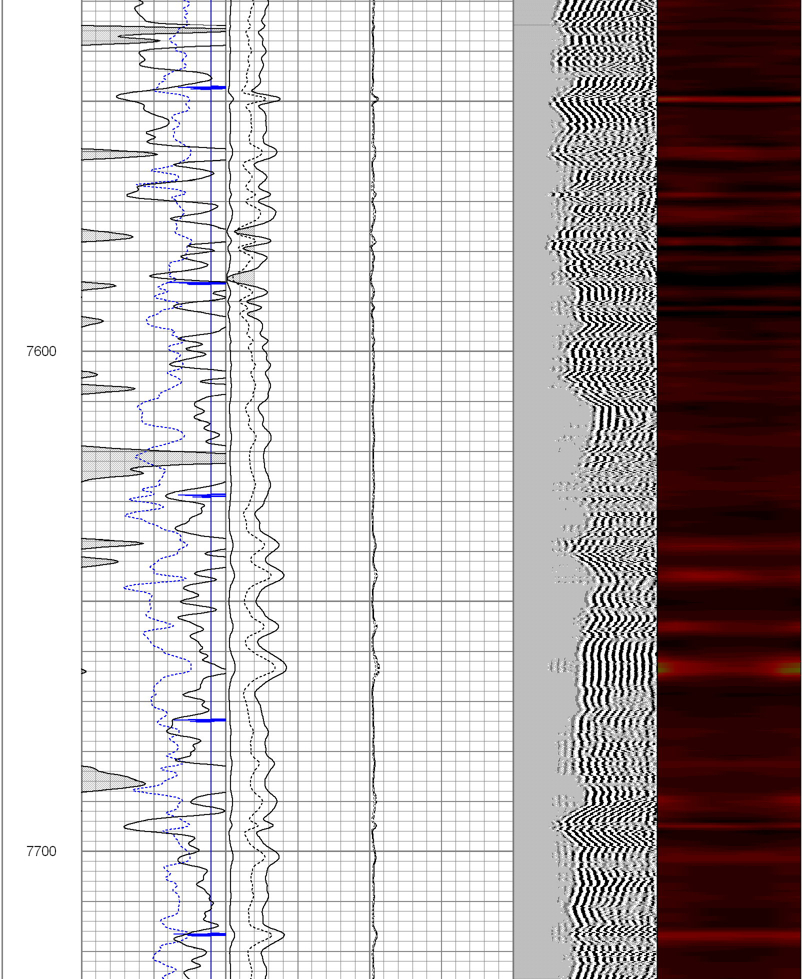


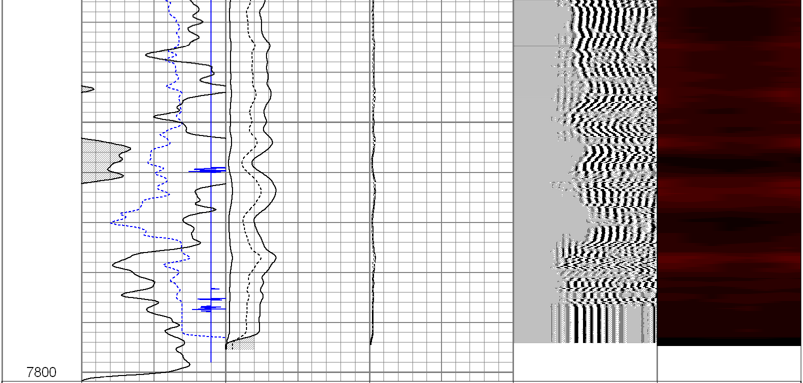












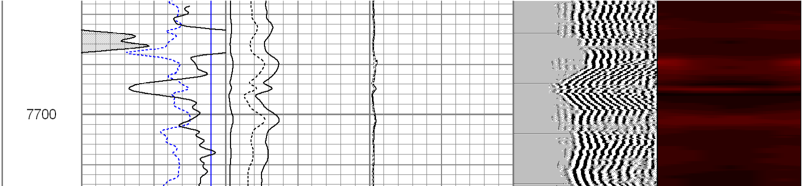
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 150	1 Bond Index 0	-2 AMPMIN 200		
150 GR (GAPI) 300				

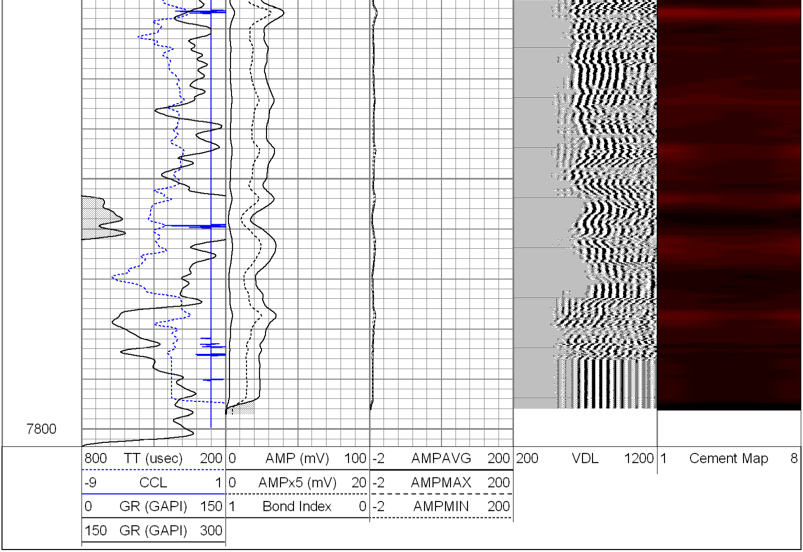
PEAK WIRELINE
SERVICES, INC.

REPEAT SECTION

Database File:	mahalo.db
Dataset Pathname:	2/run1/pass2
Presentation Format:	scbl02
Dataset Creation:	Thu Jul 21 13:29:30 2011 by Log Std Casedhole 07081
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) 150	1 Bond Index 0	-2 AMPMIN 200		
150 GR (GAPI) 300				





Calibration Report

Database File: mahalo.db
Dataset Pathname: 2/run1/pass2
Dataset Creation: Thu Jul 21 13:29:30 2011 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number: 061120GR
Tool Model: PROBE
Performed: Tue May 03 11:14:20 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 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: 3819.093 ft

Master Calibration, performed Thu Jul 21 13:13:57 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.410	1.000	71.921	50.302	1.000
CAL	0.000	1.547				
5'	0.000	1.427	1.000	71.921	49.711	1.000
SUM						
S1	0.000	1.295	0.000	100.000	77.203	0.000
S2	0.000	1.183	0.000	100.000	84.540	0.000
S3	0.000	1.277	0.000	100.000	78.338	0.000
S4	0.000	1.424	0.000	100.000	70.239	0.000
S5	0.000	1.506	0.000	100.000	66.395	0.000
S6	0.000	1.537	0.000	100.000	65.071	0.000
S7	0.000	1.574	0.000	100.000	63.536	0.000
S8	0.000	1.481	0.000	100.000	67.523	0.000

Internal Reference Calibration, performed Wed Jun 15 16:34:36 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	1.547	1.000	0.000

Air Zero Calibration, performed Thu Jul 21 13:02:49 2011:

	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