PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT
BOND LOG

Company WIEPKING-FULLERTON ENERGY, LLC.
Well MAHALO #1
Field GREAT PALINS
County LINCOLN
State COLORADO

Company	WIEPKING-FULLERTON ENERGY, LLC.
Well	MAHALO #1
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

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

Other Services

Permanent Datum GROUND LEVEL Elevation 5211
Log Measured From KELLY BUSHING 13' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5224
D.F. 5223
G.L. 5211

Date	5-3-2011		
Run Number	ONE		
Depth Driller	PB 7546		
Depth Logger	7542		
Bottom Logged Interval	7538		
Top Log Interval	5970		
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	6135		
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	329				
TWO	7 7/8"	329	7891				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	329
Prot. String				
Production String	5 1/2"	17#	0	7589
Liner				

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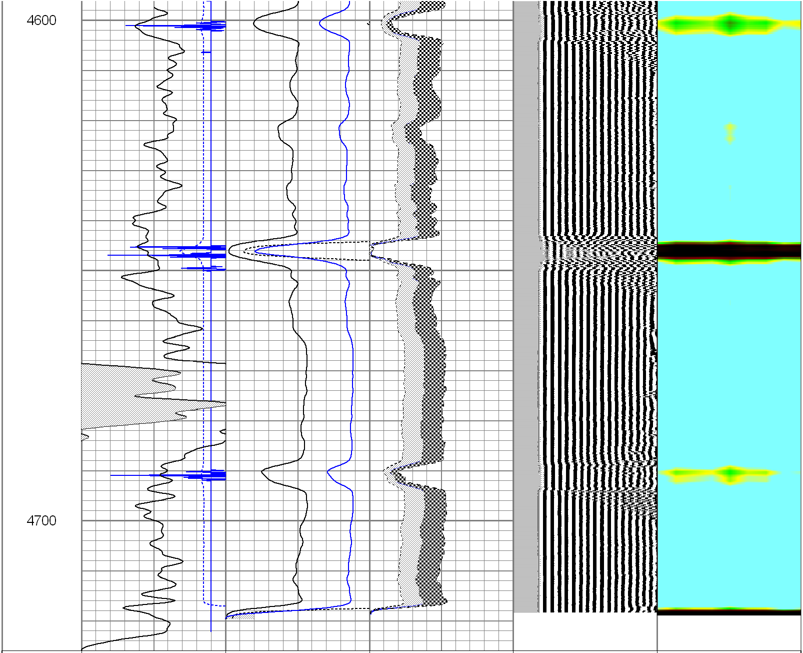
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Database File: malaho.db
Dataset Pathname: ONE/run1/pass3
Presentation Format: scbl02
Dataset Creation: Tue May 03 11:49:03 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				



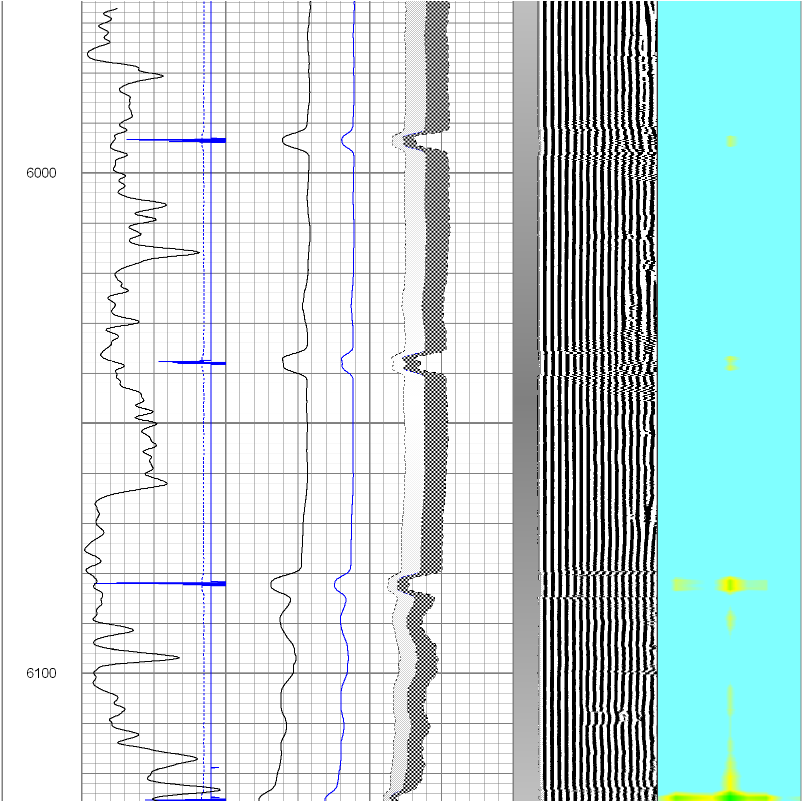
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 150	1 Bond Index 0	-2 AMPMIN 200		
150 GR (GAPI) 300				

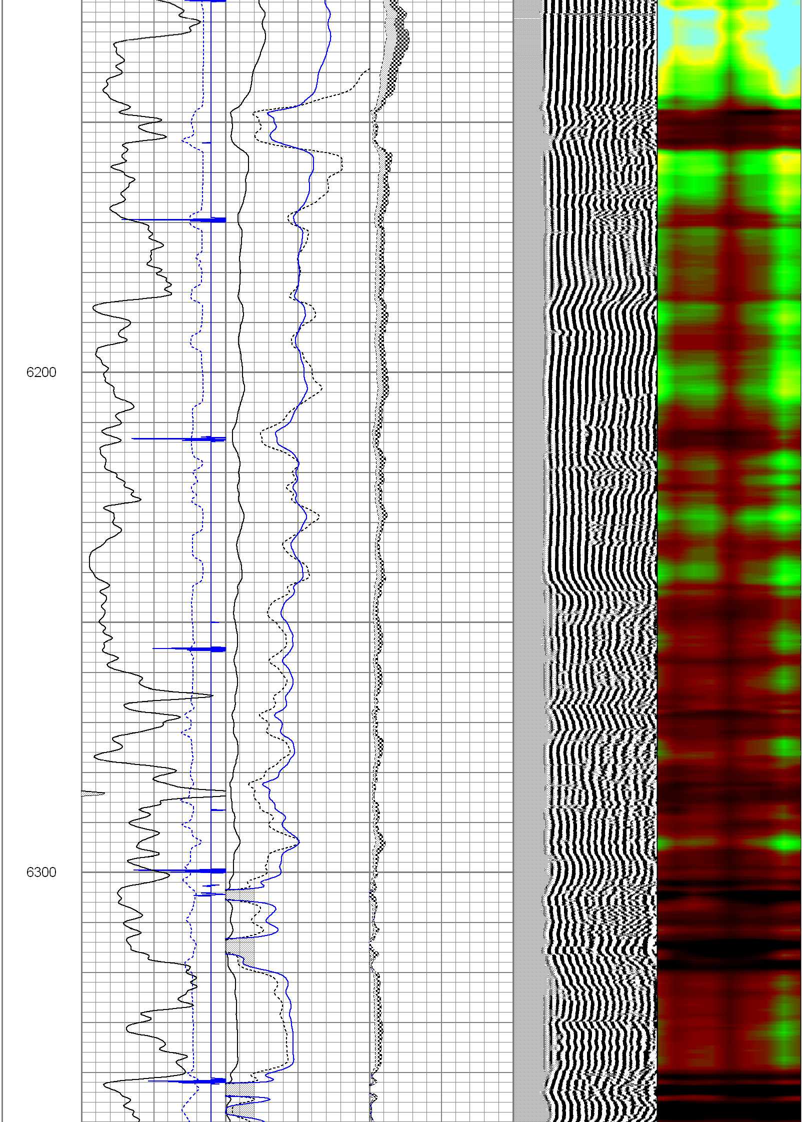
PEAK WIRELINE SERVICES, INC.

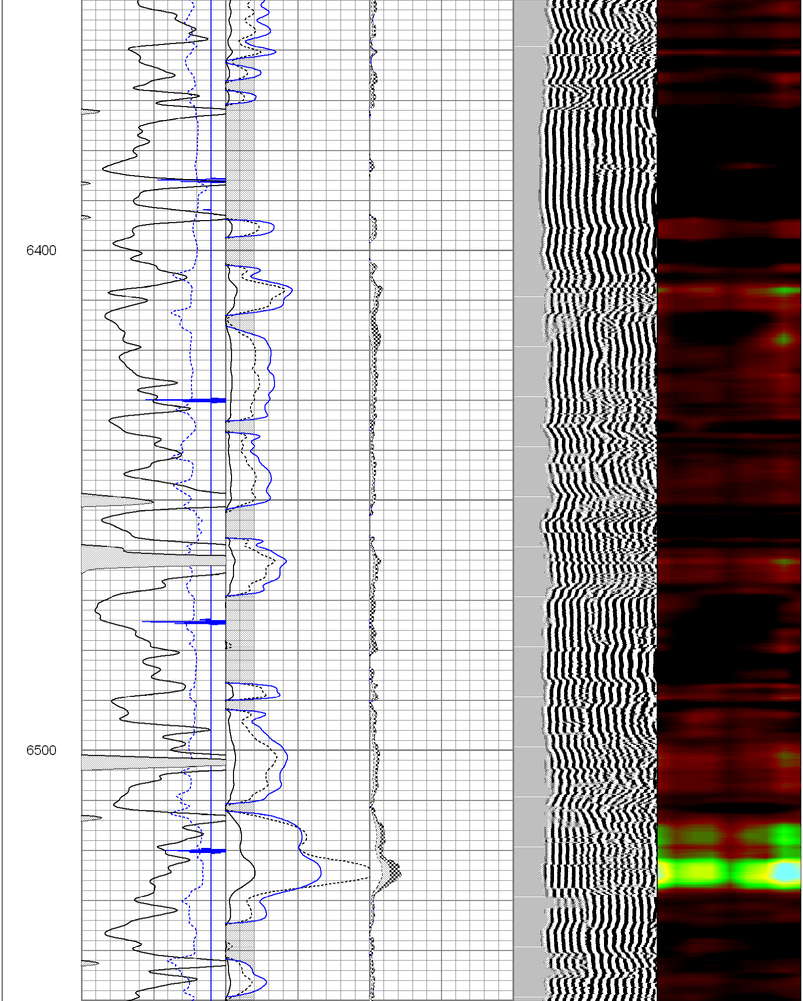
MAIN PASS

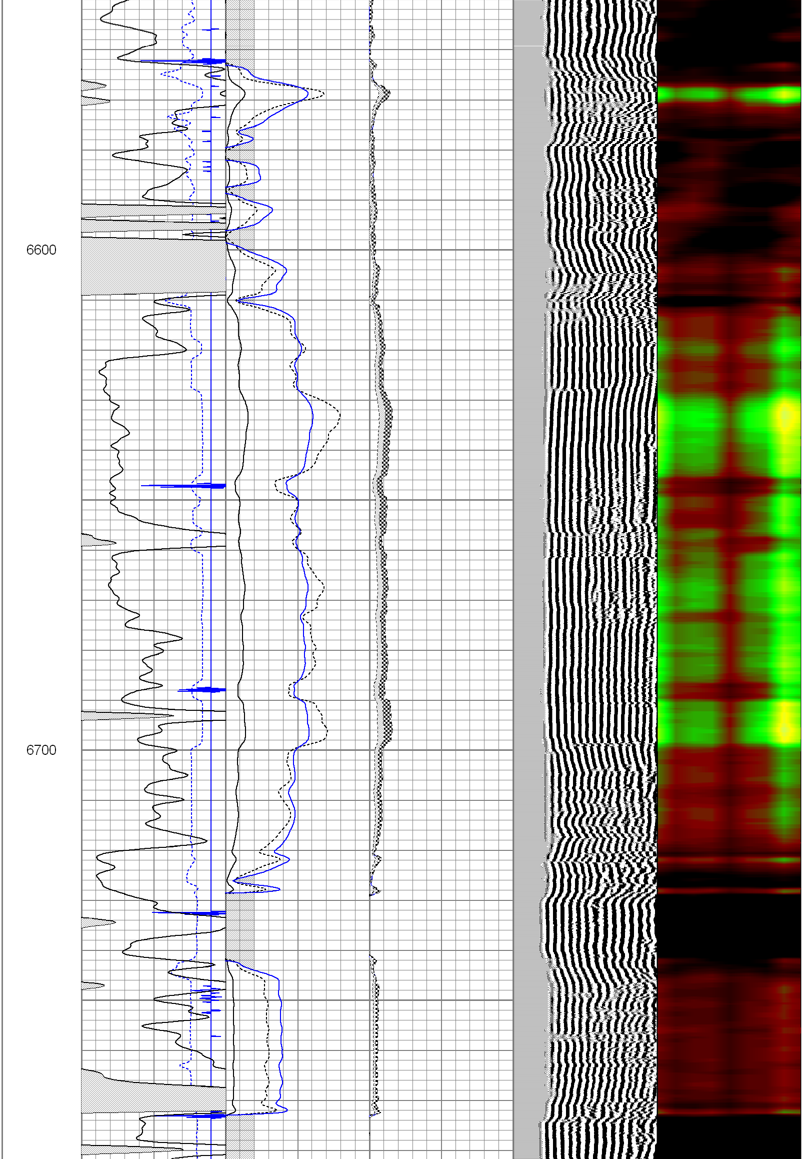
Database File: malaho.db
Dataset Pathname: ONE/run1/pass2
Presentation Format: scbl02
Dataset Creation: Tue May 03 11:12:40 2011 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

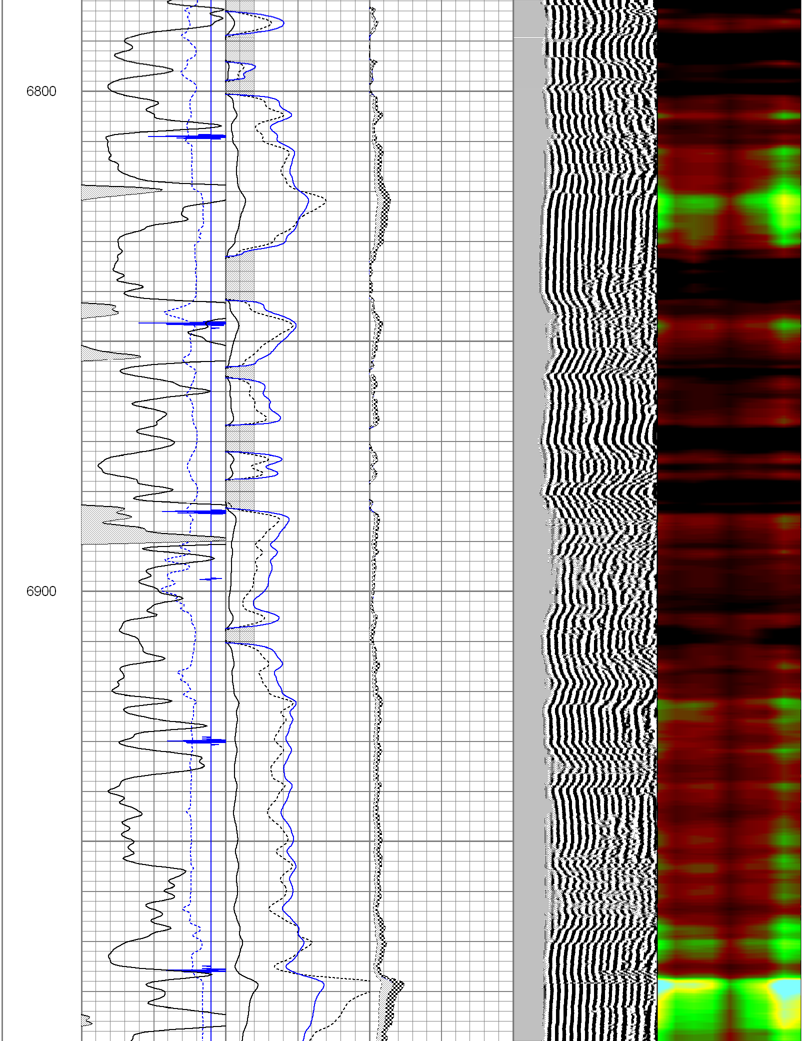
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 150	1 Bond Index 0	-2 AMPMIN 200		
150 GR (GAPI) 300				

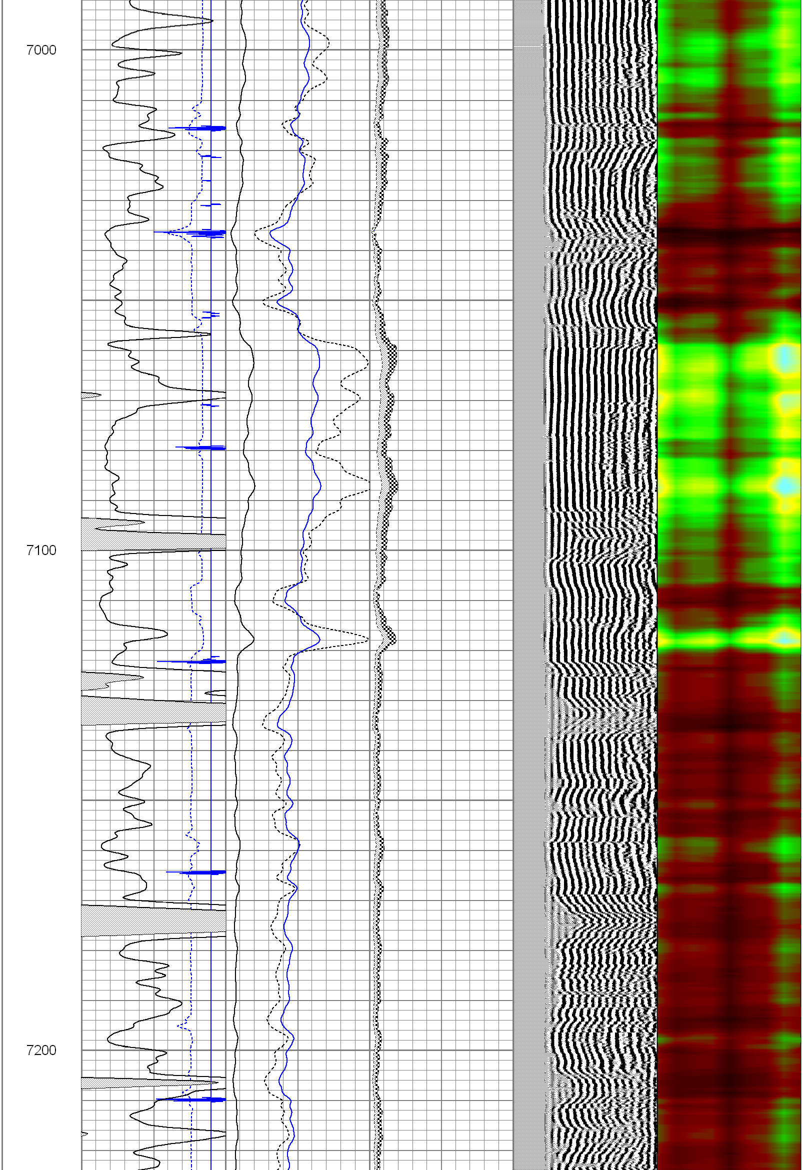


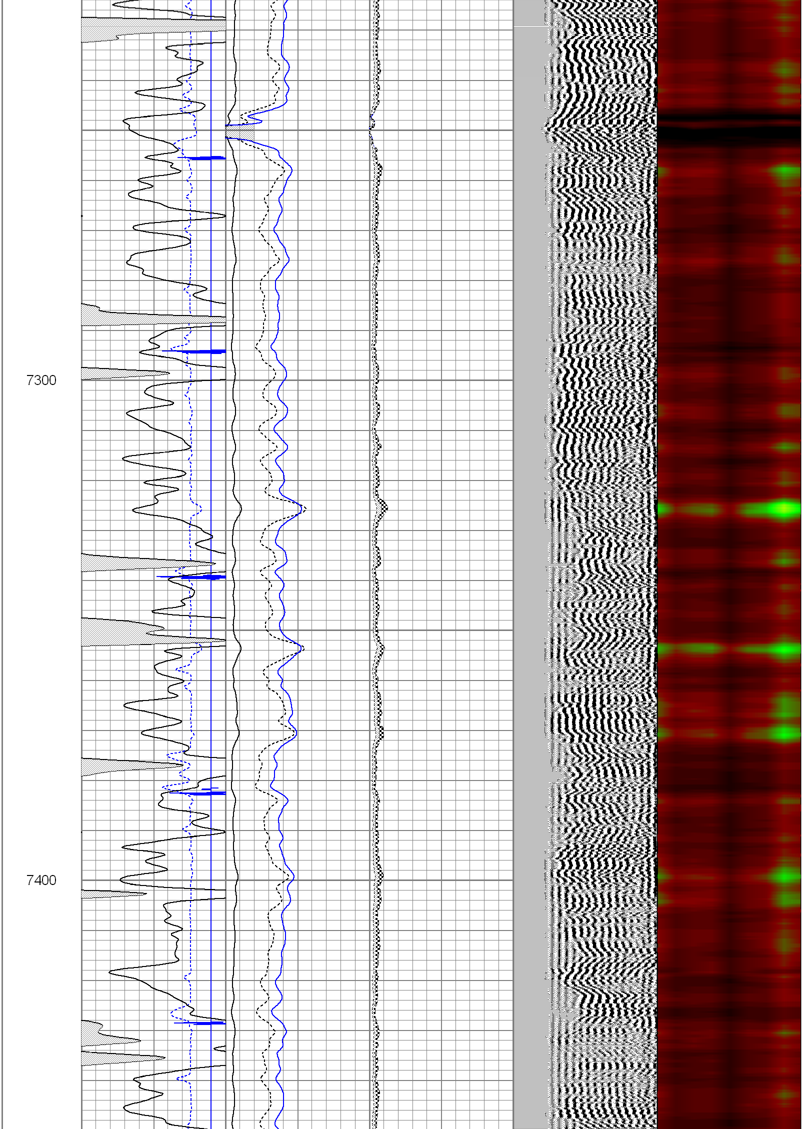


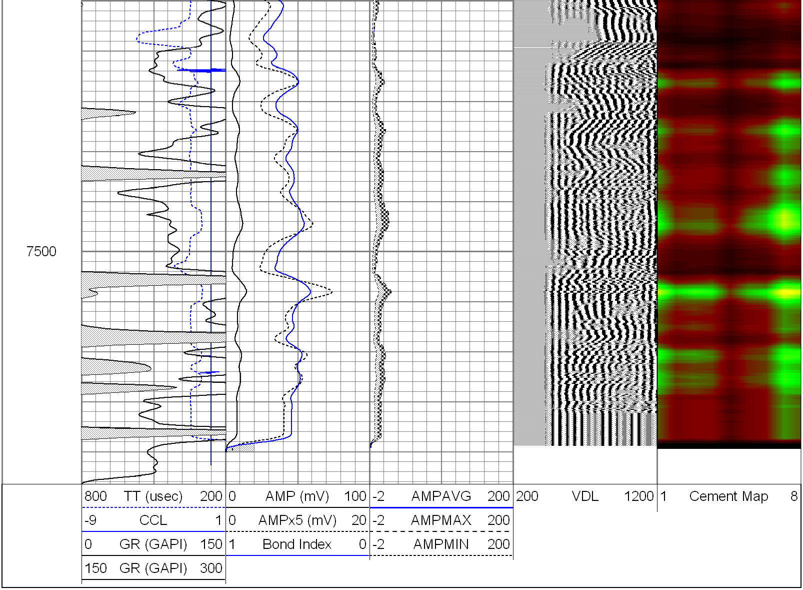








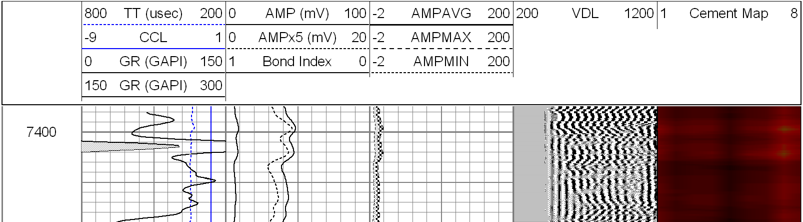


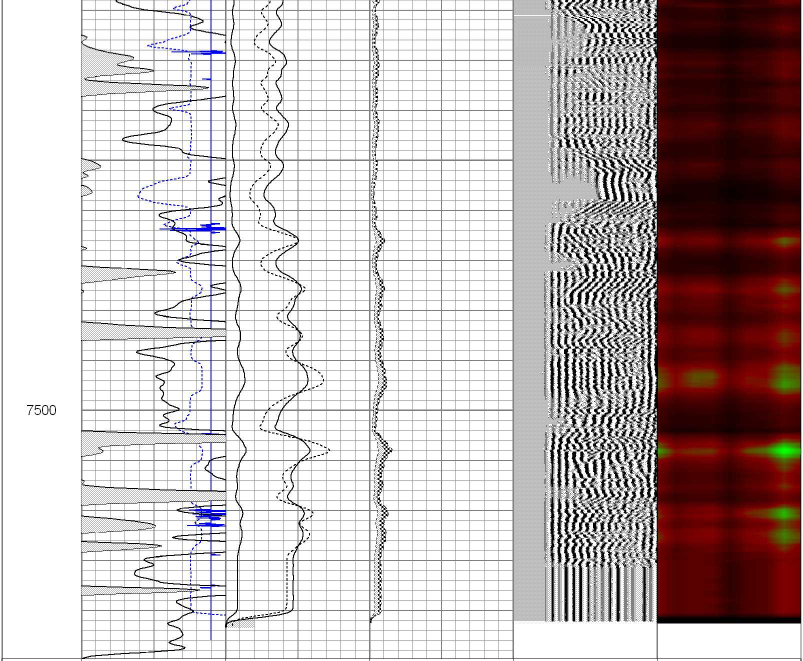


PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File: malaho.db
Dataset Pathname: ONE/run1/pass1
Presentation Format: scbl02
Dataset Creation: Tue May 03 11:07:24 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: malaho.db
Dataset Pathname: ONE/run1/pass3
Dataset Creation: Tue May 03 11:49:03 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: 4205.996 ft

Master Calibration, performed Tue May 03 11:00:30 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	1.493	1.628	1.000	71.921	522.369	-778.714
CAL	1.496	1.604				
5'	1.473	1.695	1.000	71.921	319.549	-469.635
SUM						
S1	1.413	1.525	0.000	100.000	894.263	-1263.325
S2	1.319	1.467	0.000	100.000	679.310	-896.302
S3	1.388	1.521	0.000	100.000	750.920	-1042.495
S4	1.496	1.639	0.000	100.000	699.160	-1046.146
S5	1.467	1.697	0.000	100.000	434.655	-637.778
S6	1.540	1.699	0.000	100.000	627.930	-966.938
S7	1.539	1.689	0.000	100.000	665.007	-1023.466
S8	1.528	1.629	0.000	100.000	989.892	-1512.960

Internal Reference Calibration, performed Tue May 03 11:04:31 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	1.586	1.496	1.604	0.068	1.496

Air Zero Calibration, performed Tue May 03 11:03:08 2011:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	1.493
5'	0.000	0.000	1.473
SUM			
S1	0.000	0.000	1.413
S2	0.000	0.000	1.319
S3	0.000	0.000	1.388
S4	0.000	0.000	1.496
S5	0.000	0.000	1.467
S6	0.000	0.000	1.540
S7	0.000	0.000	1.539
S8	0.000	0.000	1.528