PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company	WIEPKING-FULLERTON ENERGY
Well	ALOHA MULA #16
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

Company	WIEPKING-FULLERTON ENERGY, LLC.		
Well	ALOHA MULA #16		
Field	GREAT PLAINS		
County	LINCOLN	State	COLORADO

Location
1980' FNL & 660' FWL
SW NW
SEC 19 TWP 10S RGE 55W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	5286
Log Measured From	KELLY BUSHING 13' AGL		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 5299
D.F. 5298
G.L. 5286

Date	8-13-2014		
Run Number	ONE		
Depth Driller	8065		
Depth Logger	7992		
Bottom Logged Interval	7988	4840	
Top Log Interval	5580	2700	
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	336				
TWO	7 7/8"	336	8065				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	336
Prot. String				
Production String	5 1/2"	17#	0	8057
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.

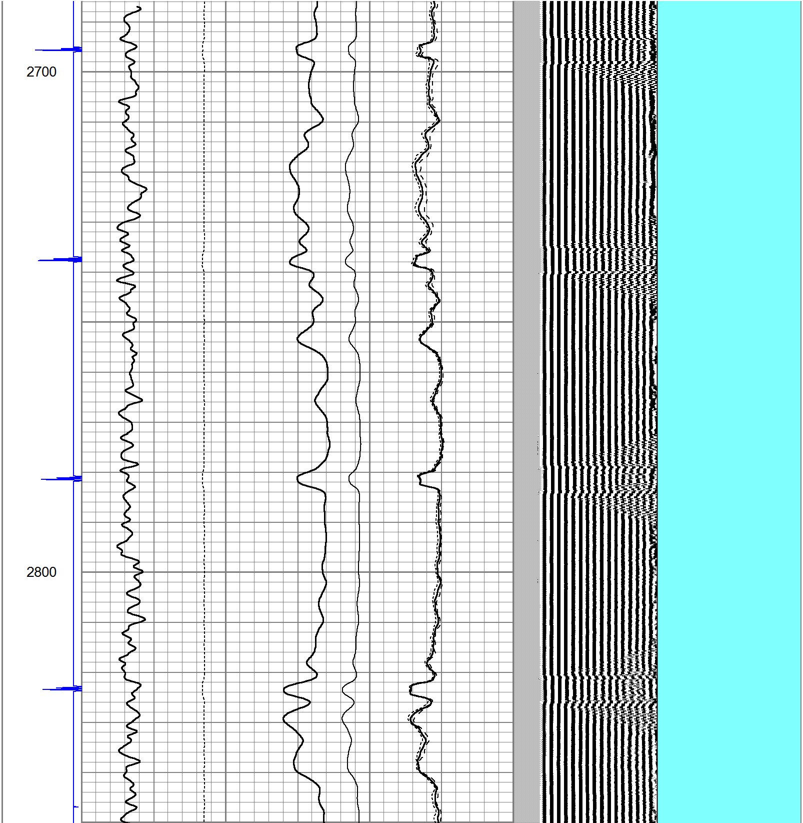
Comments

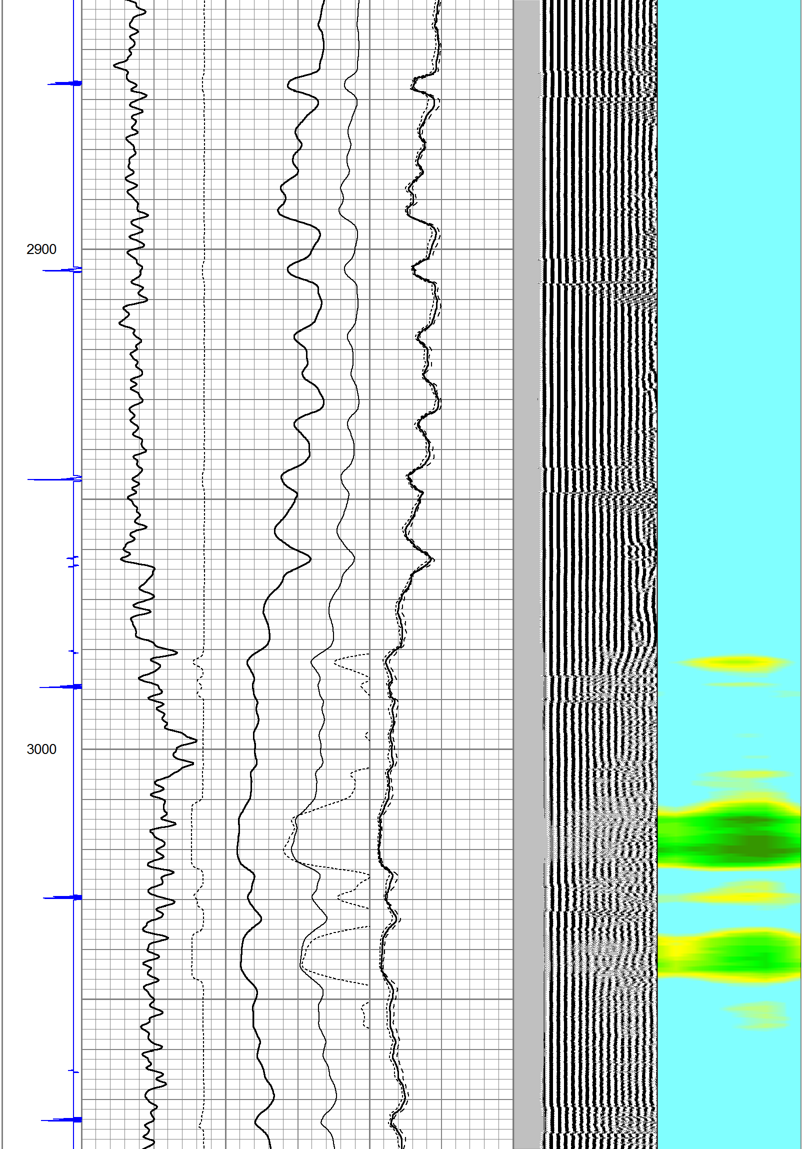
PEAK WIRELINE SERVICES, INC.

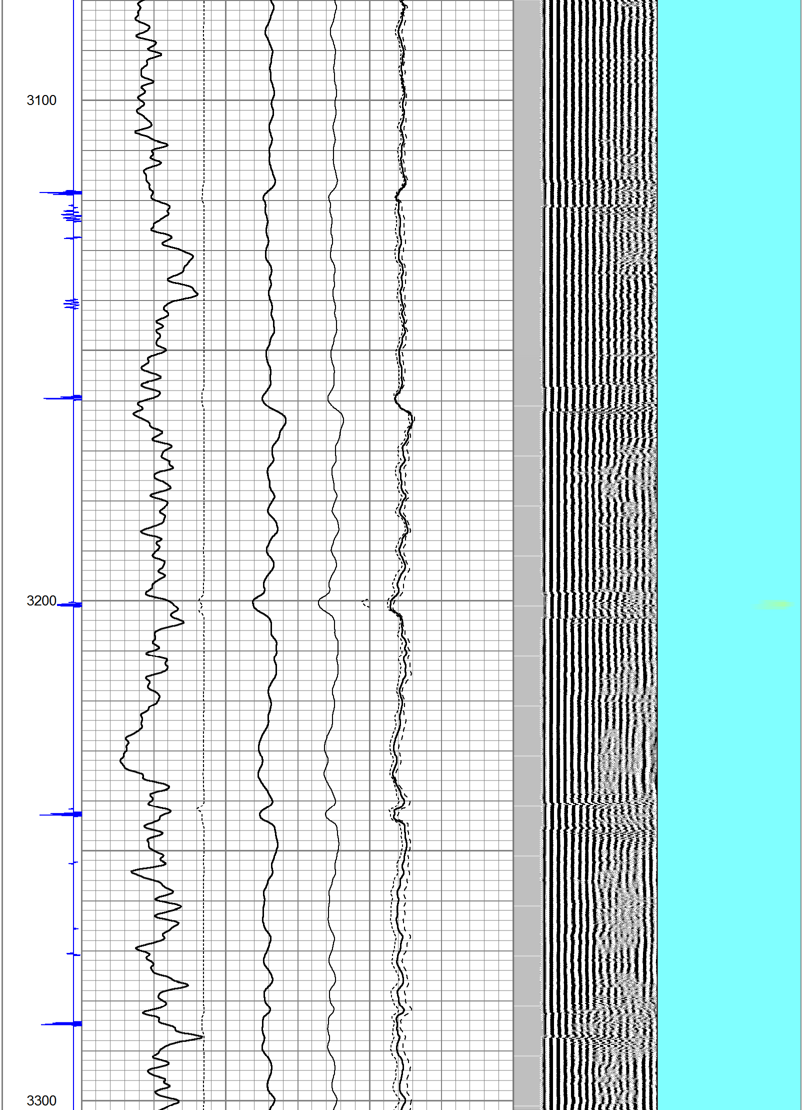
PORT COLLAR

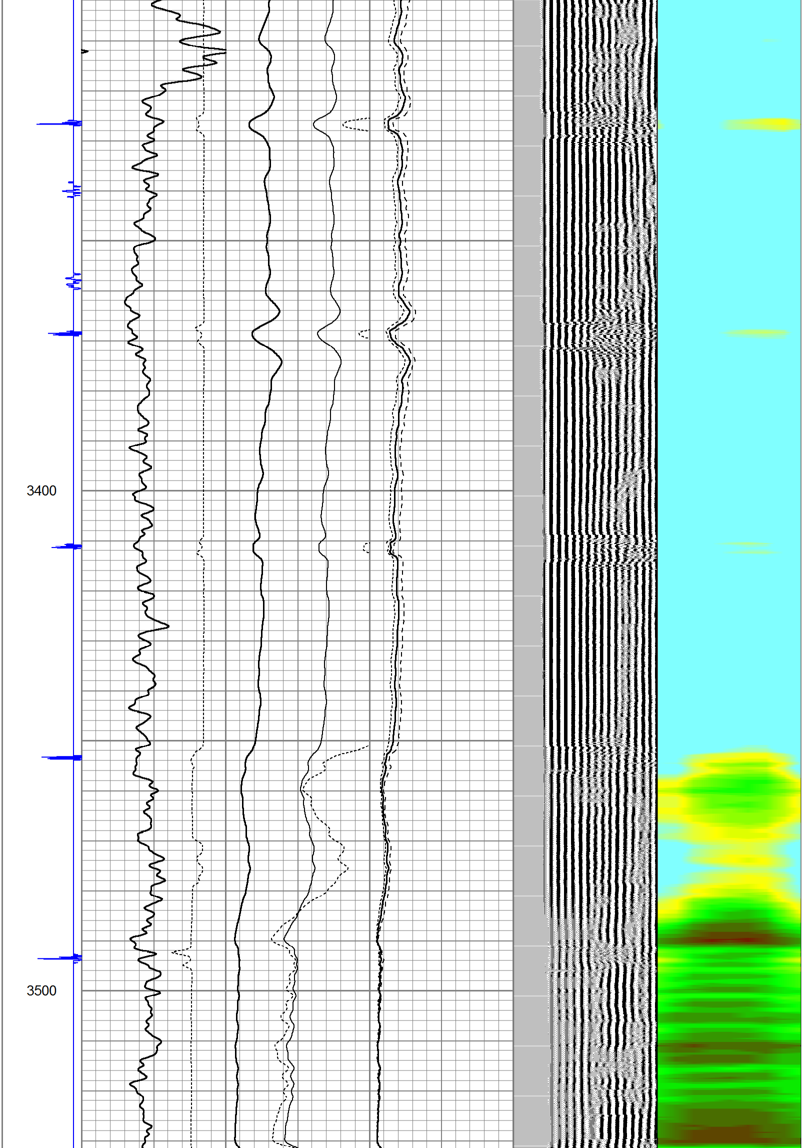
Database File: alohamula.db
Dataset Pathname: 16/run1/pass3
Presentation Format: scbl02
Dataset Creation: Wed Aug 13 08:12:30 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

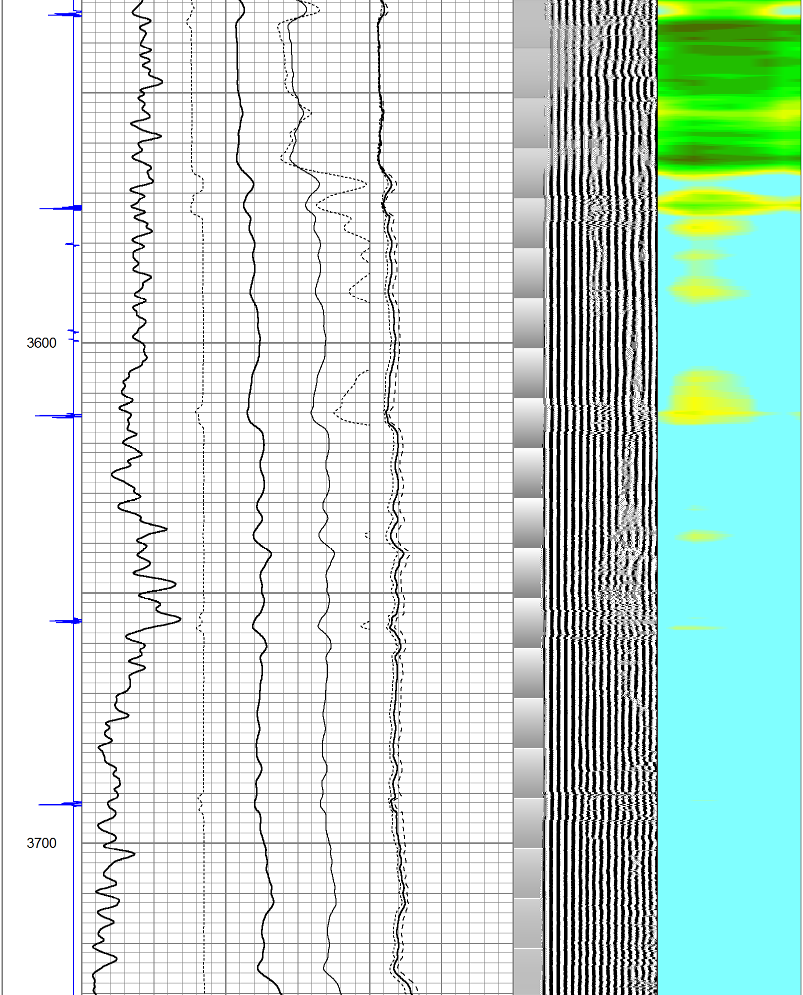
-9 CCL 1	800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
	0 GR (GAPI) 200	0 AMPx5 (mV) 20	-2 AMPMAX 200		
	200 (null) (GAPI) 400	1 Bond Index 0	-2 AMPMIN 200		

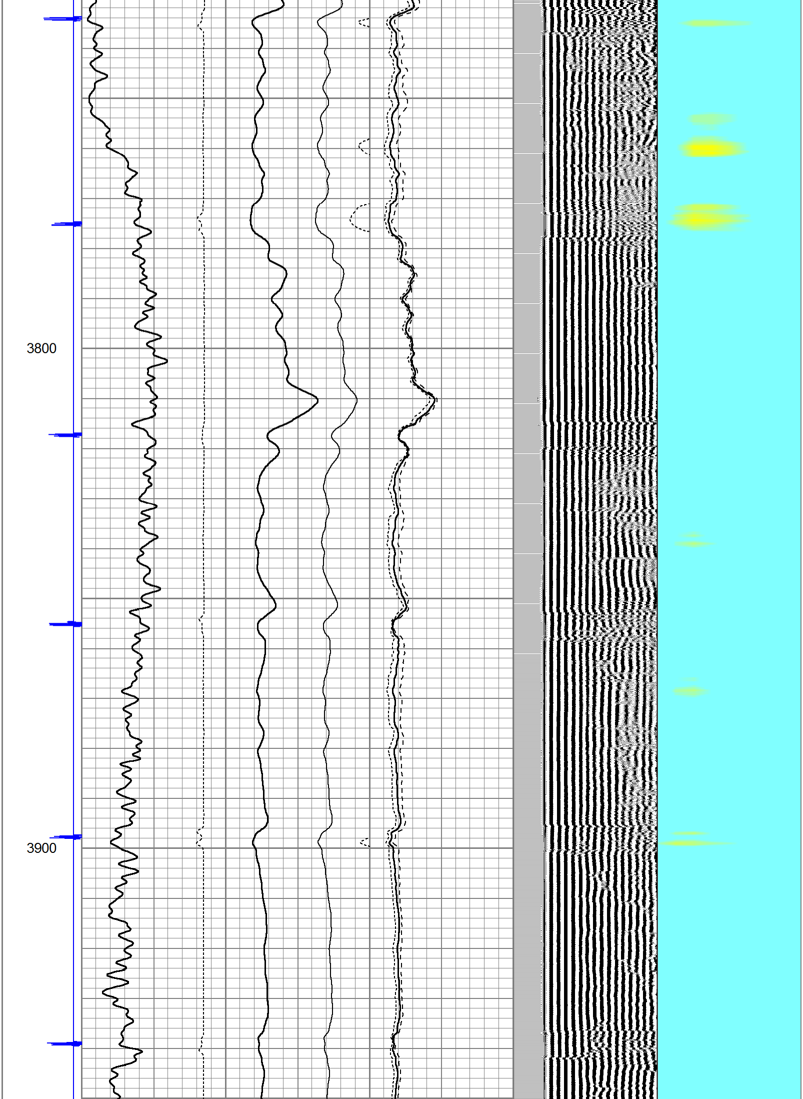


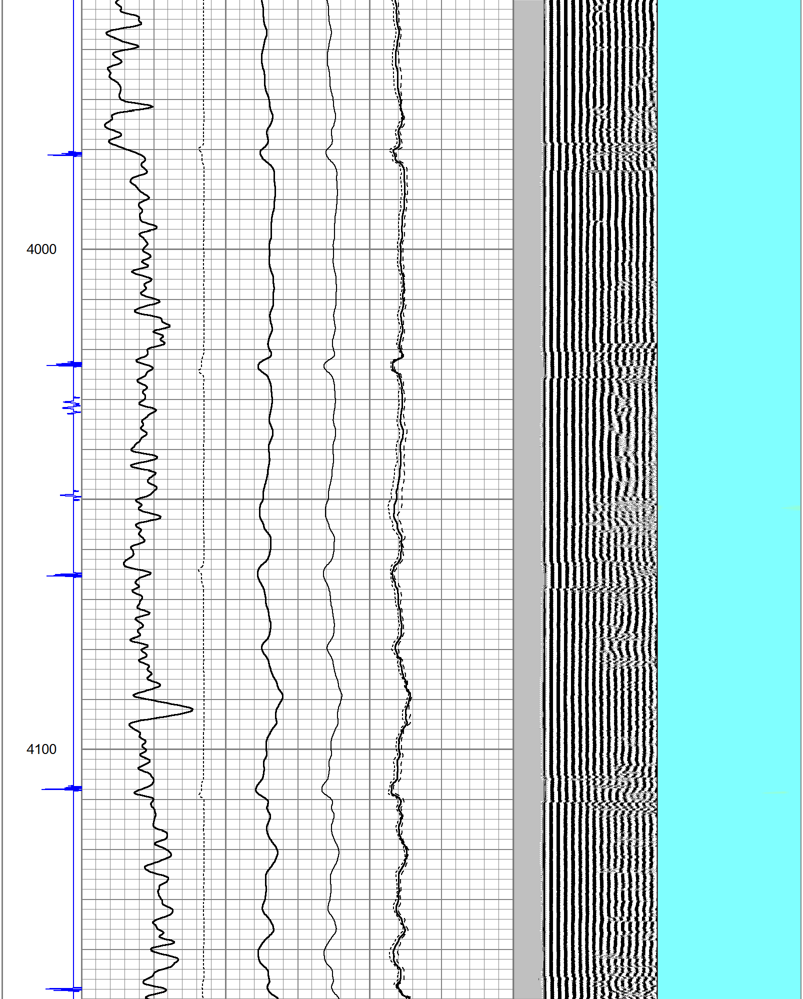


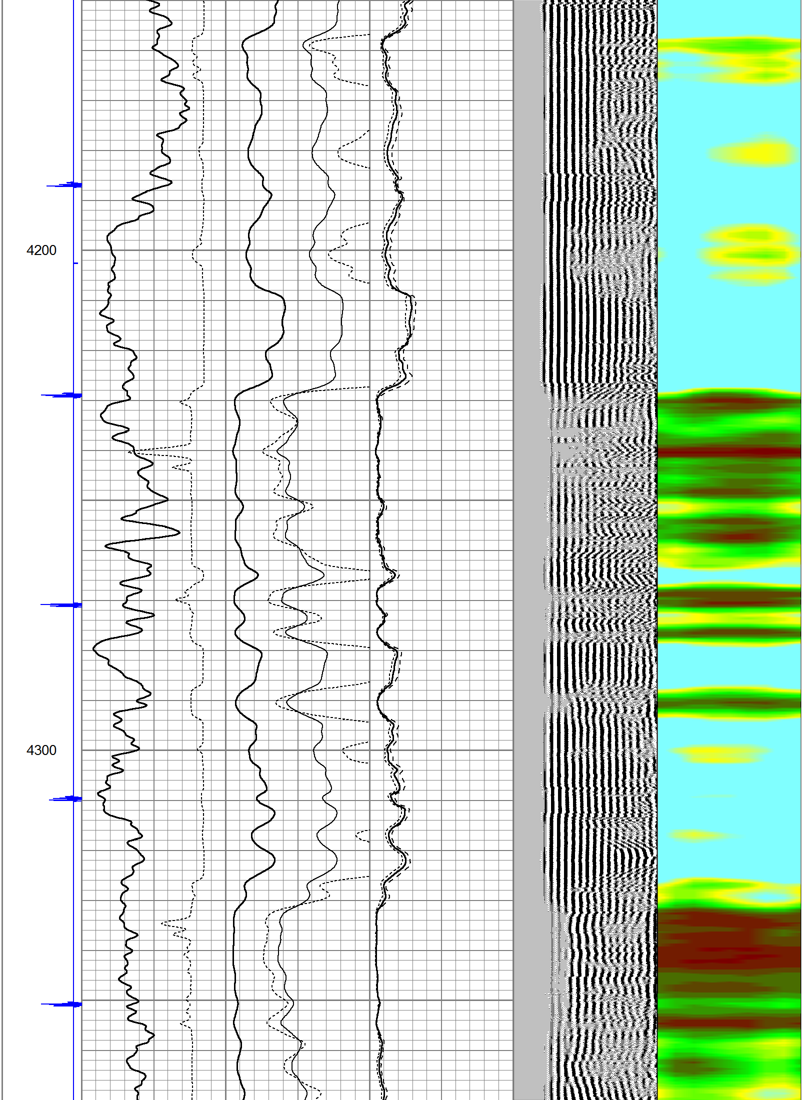


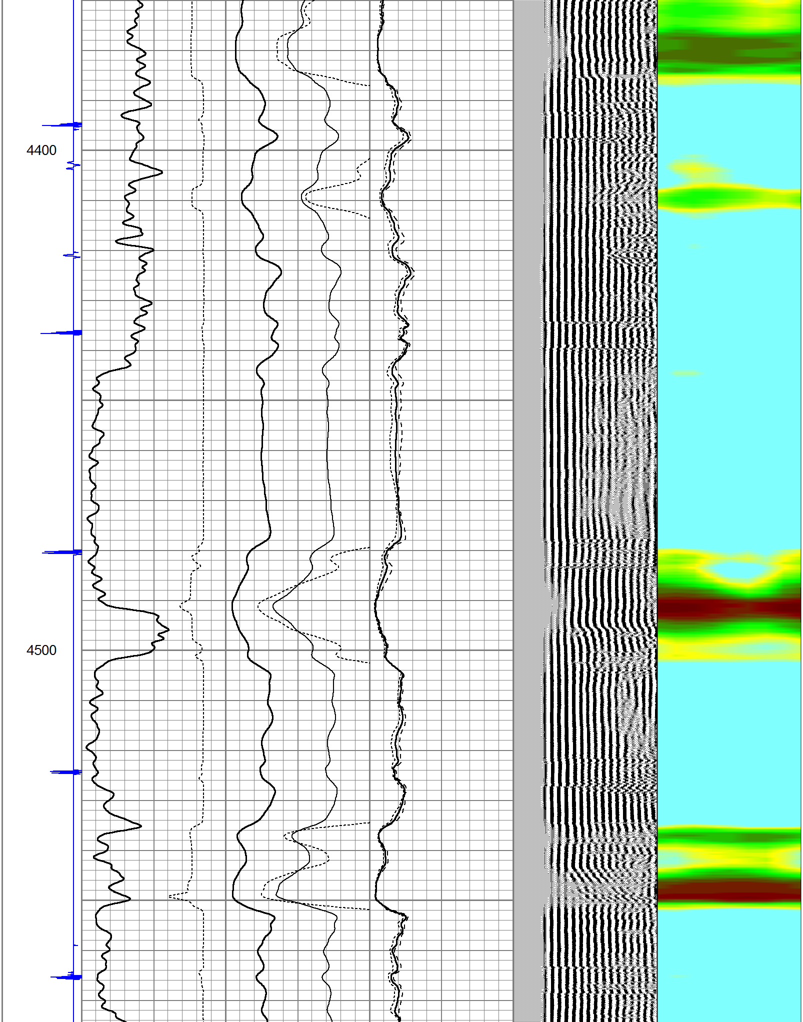


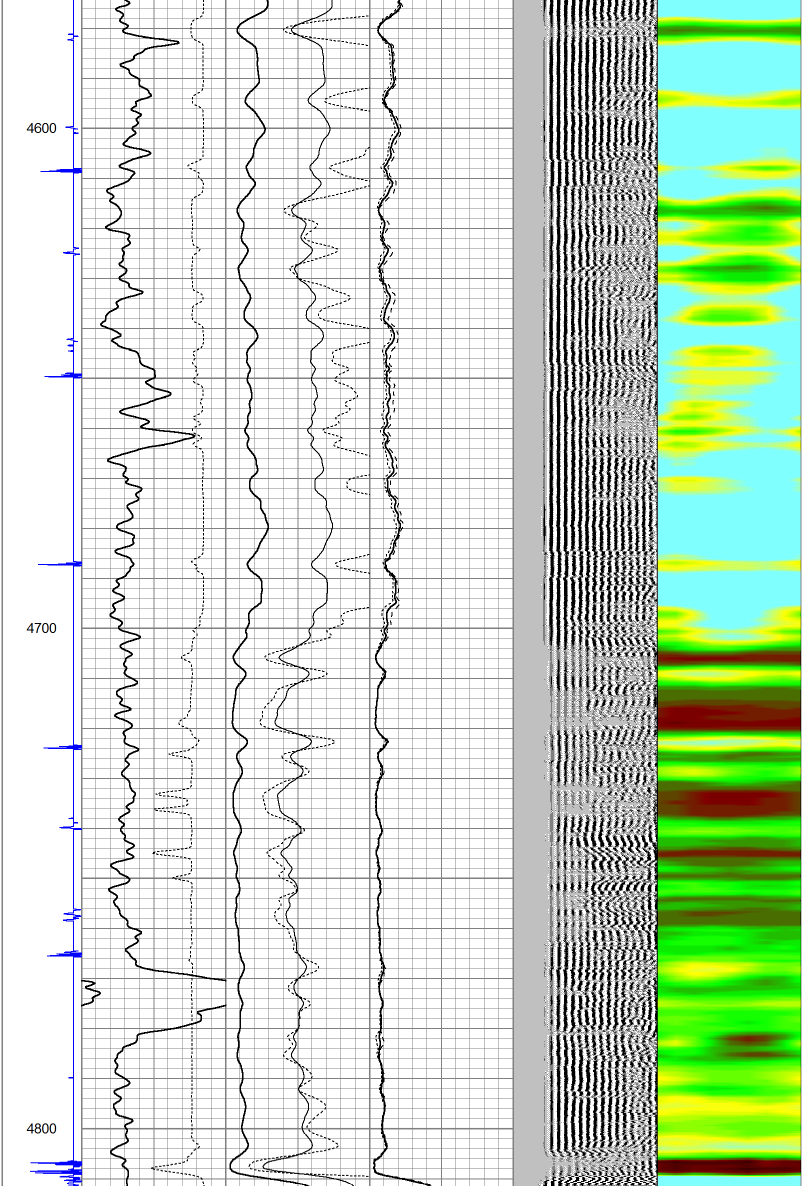


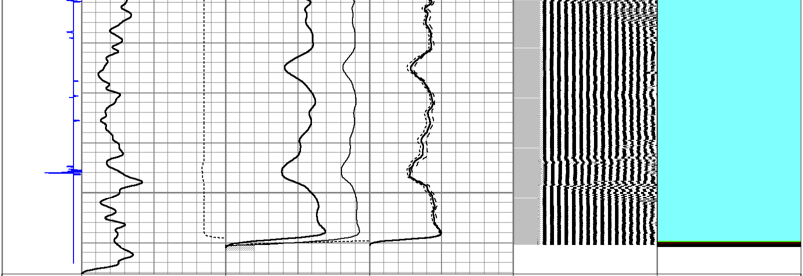












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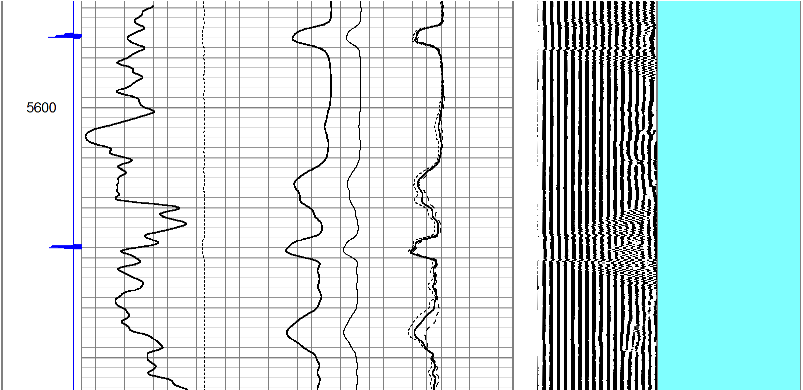
	0 GR (GAPI) 200	0 AMPx5 (mV) 20	-2 AMPMAX 200		
	200 (null) (GAPI) 400	1 Bond Index 0	-2 AMPMIN 200		

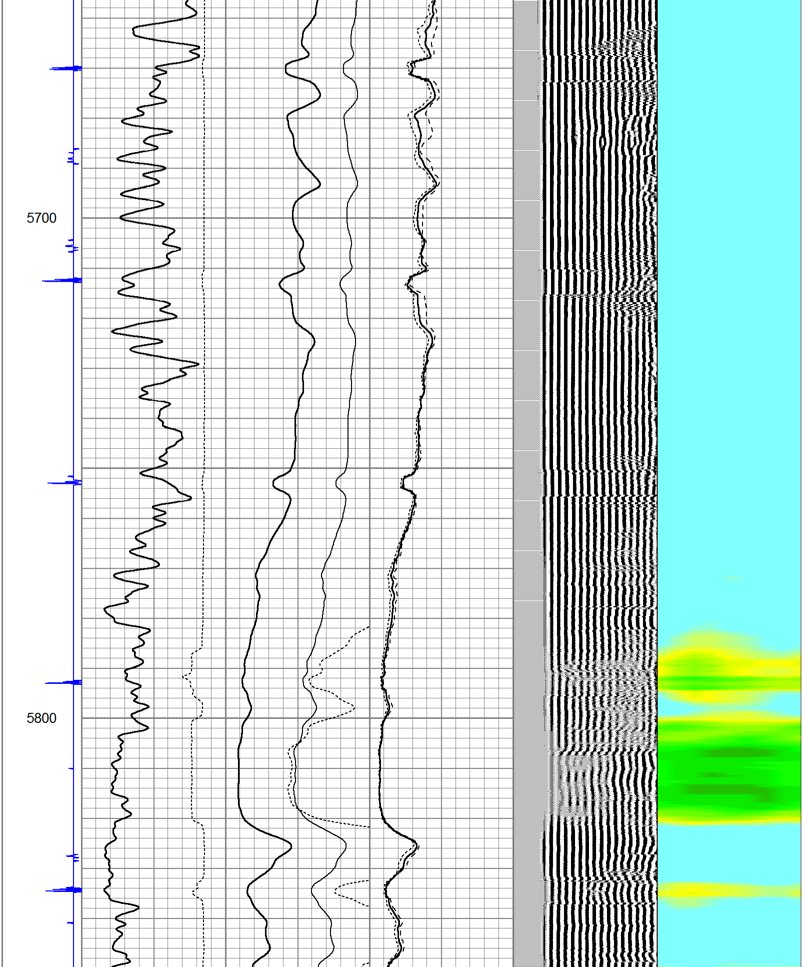
PEAK WIRELINE
SERVICES, INC.

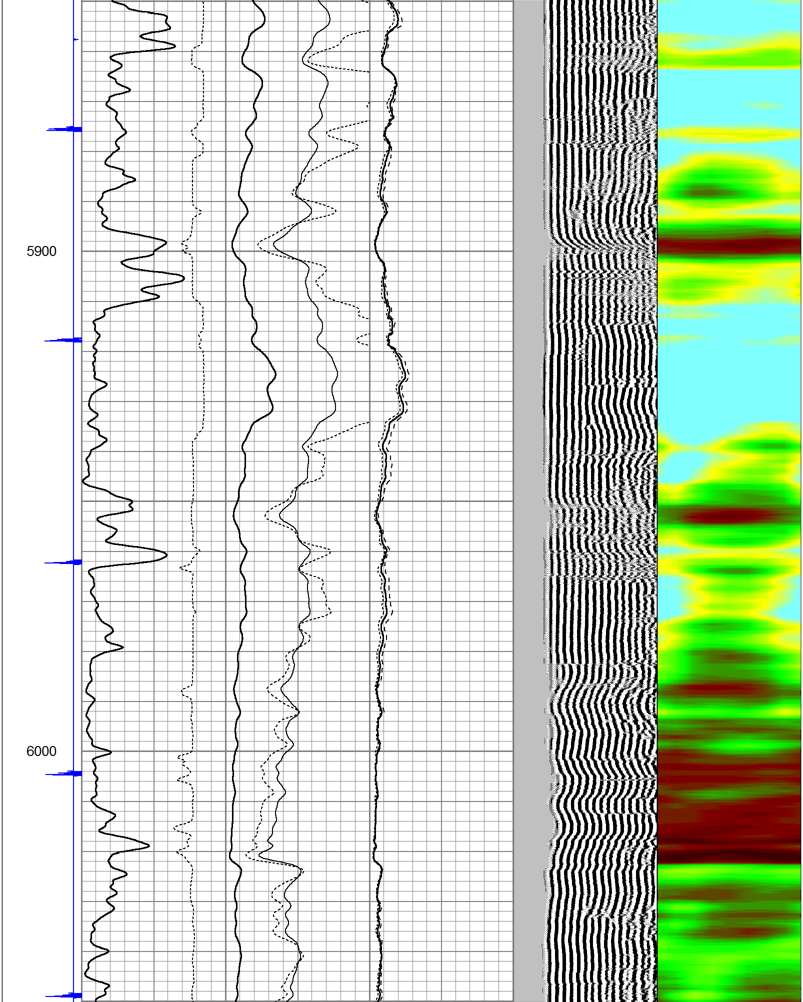
MAIN PASS

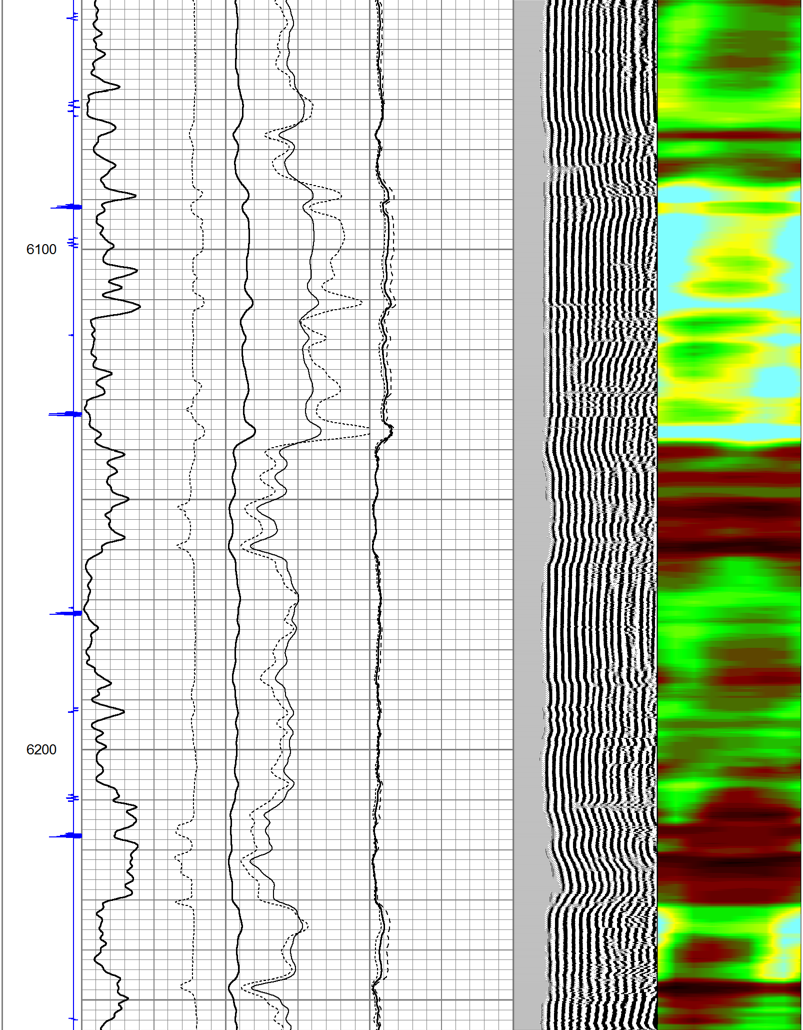
Database File: alohamula.db
Dataset Pathname: 16/run1/pass2.1
Presentation Format: scbl02
Dataset Creation: Wed Aug 13 08:54:36 2014 by Calc Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

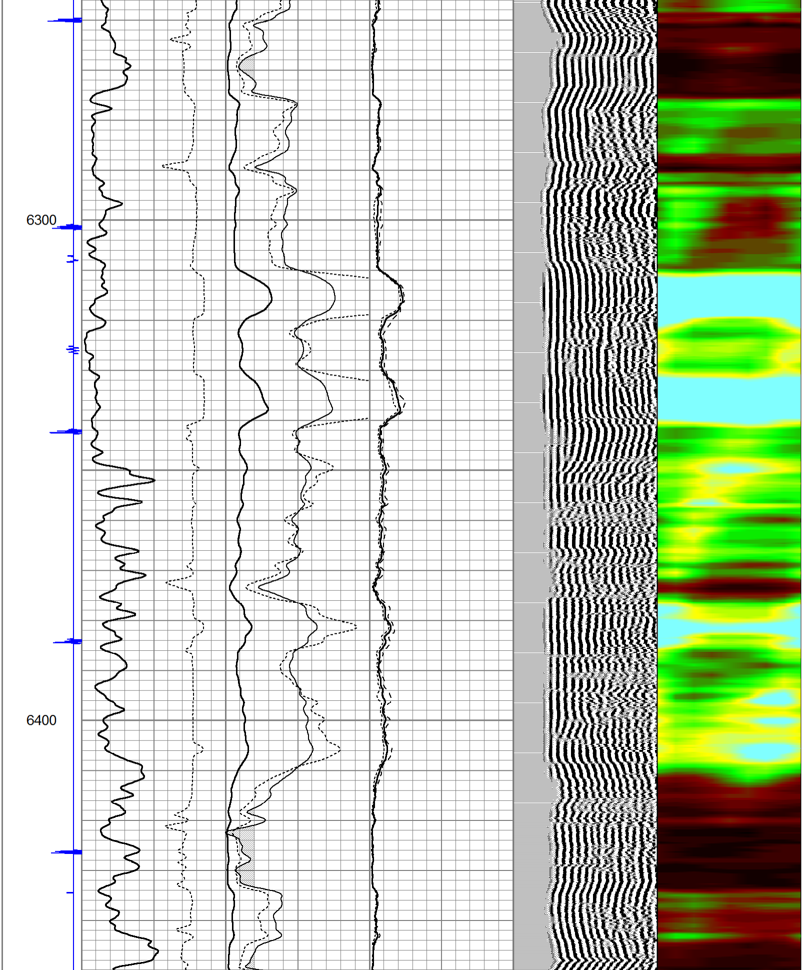
-9 CCL 1	800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
	0 GR (GAPI) 200	0 AMPx5 (mV) 20	-2 AMPMAX 200		
	200 (null) (GAPI) 400	1 Bond Index 0	-2 AMPMIN 200		

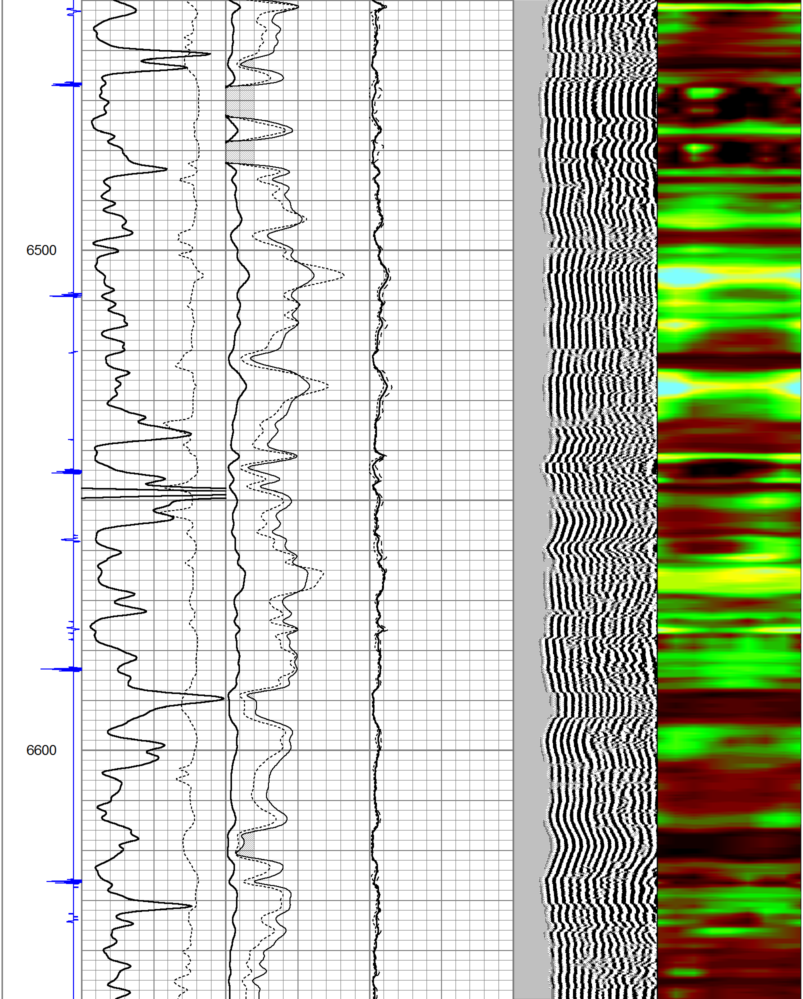


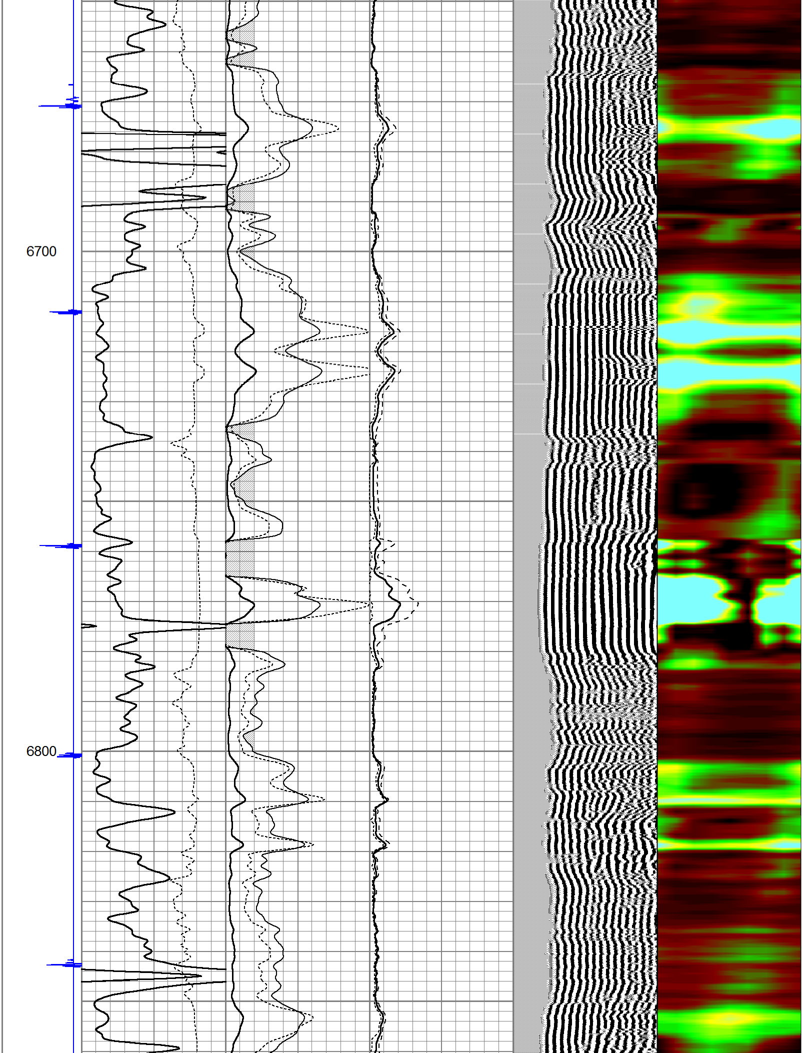


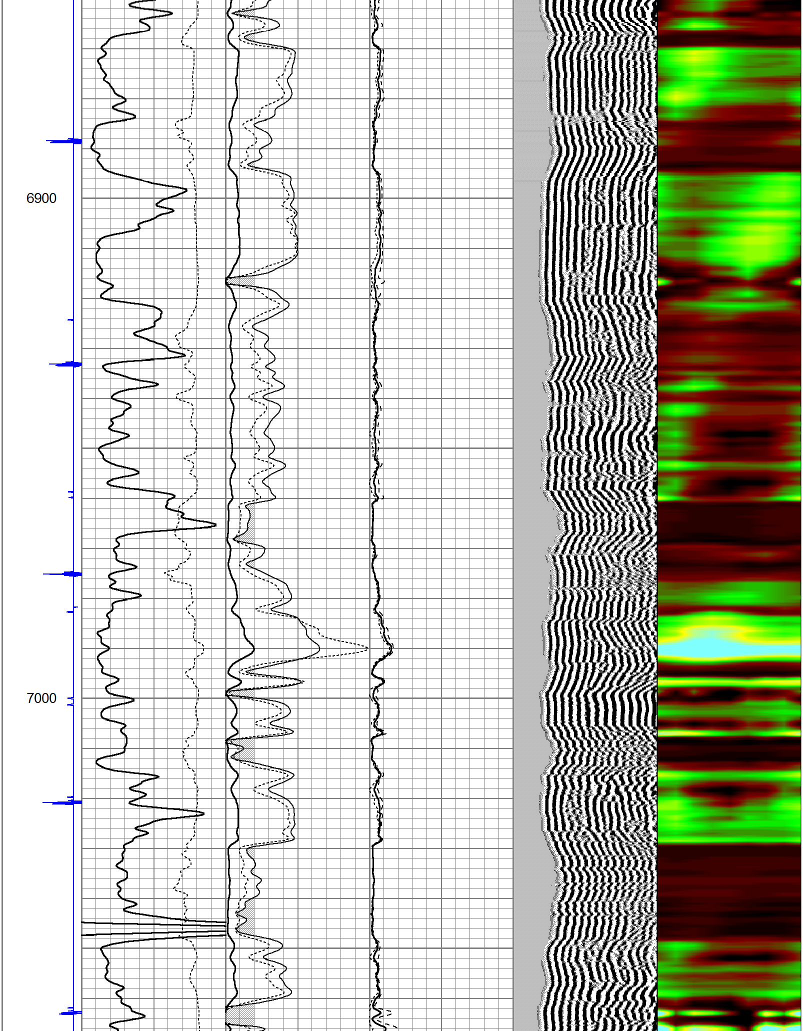








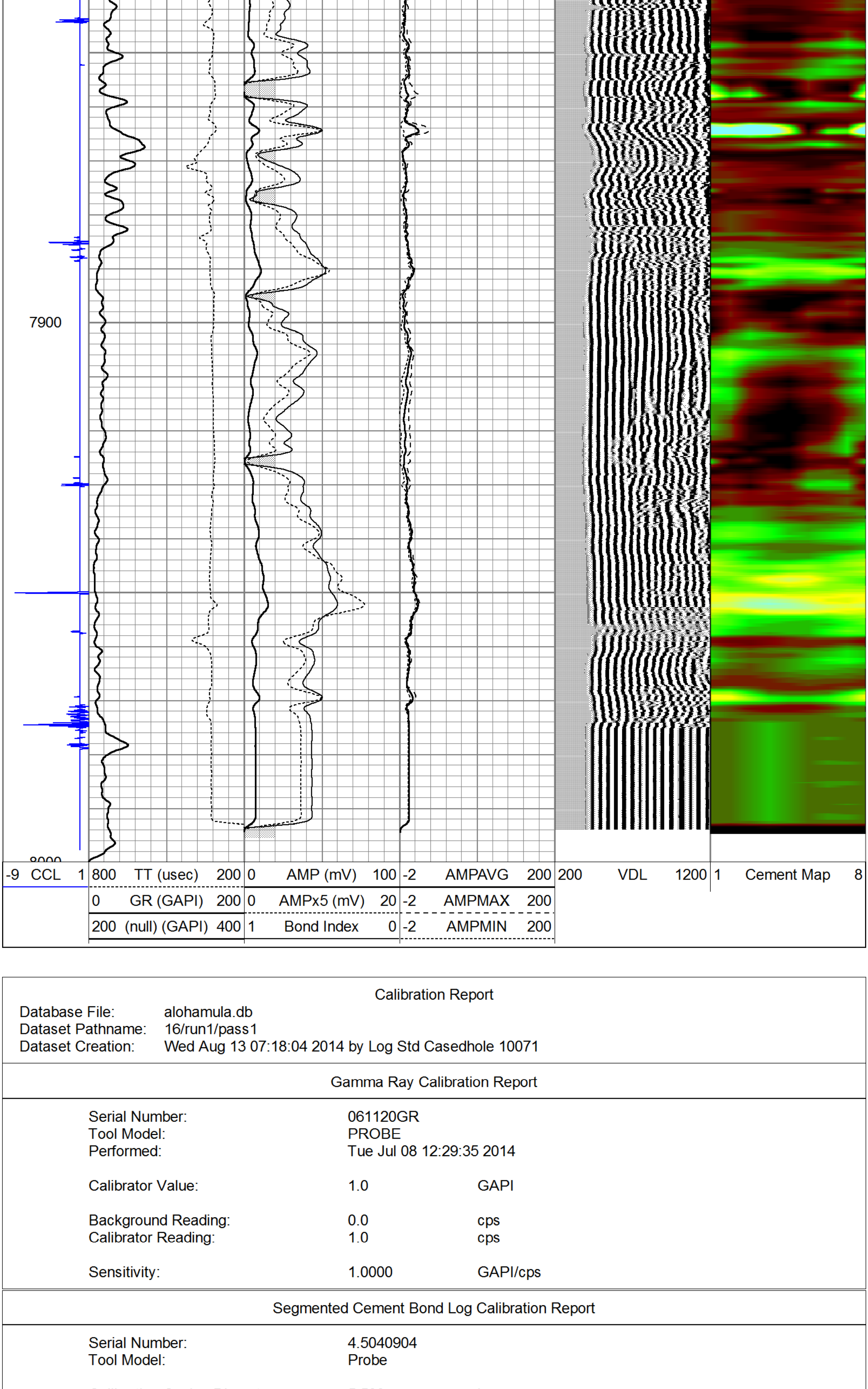




PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File: alohamula.db
Dataset Pathname: 16/run1/pass1
Presentation Format: scbl02
Dataset Creation: Wed Aug 13 07:18:04 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: alohamula.db
Dataset Pathname: 16/run1/pass1
Dataset Creation: Wed Aug 13 07:18:04 2014 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number: 061120GR
Tool Model: PROBE
Performed: Tue Jul 08 12:29:35 2014

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: -29.033 ft

Master Calibration, performed Wed Aug 13 07:03:13 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	1.460	0.250	71.921	49.587	-0.488
CAL	1.745	1.710				
5'	0.014	1.409	0.250	71.921	51.404	-0.483
SUM						
S1	0.013	1.451	0.250	100.000	69.378	-0.682
S2	0.015	1.473	0.250	100.000	68.413	-0.775
S3	0.015	1.484	0.250	100.000	67.903	-0.787
S4	0.015	1.478	0.250	100.000	68.185	-0.744
S5	0.015	1.458	0.250	100.000	69.086	-0.753
S6	0.015	1.432	0.250	100.000	70.368	-0.796
S7	0.015	1.413	0.250	100.000	71.325	-0.800
S8	0.014	1.416	0.250	100.000	71.178	-0.768

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	1.745	1.710	1.000	0.000

Air Zero Calibration, performed Wed Aug 13 07:02:52 2014:

	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