PEAK WIRELINE SERVICES, INC.

Company	WIEPKING-FULLERTON ENERGY
Well	ALBATROSS-STATE #1
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

RADIAL CEMENT BOND LOG

Company	WIEPKING-FULLERTON ENERGY, LLC
Well	ALBATROSS-STATE #1
Field	GREAT PLAINS
County	LINCOLN State COLORADO
Location	SW SW SEC 36 TWP 9S RGE 56W
Other Services	

Permanent Datum	GROUND LEVEL	Elevation	5261
Log Measured From	KELLY BUSHING 13' AGL		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 5274
D.F. 5273
G.L. 5261

Date	11-18-2013
Run Number	ONE
Depth Driller	8201
Depth Logger	8142
Bottom Logged Interval	8138
Top Log Interval	5500
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

Additional column values: Bottom Logged Interval 4860; Top Log Interval 2900

Borehole Record

Run Number	Bit	From	To
ONE	12 1/4"	0	414
TWO	7 7/8"	414	8201

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	414
Prot. String				
Production String	5 1/2"	17#	0	8189
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: albatross.db
Dataset Pathname: 1/run1/pass3
Presentation Format: scbl02
Dataset Creation: Mon Nov 18 07:58:17 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

PEAK WIRELINE SERVICES, INC.

MAIN PASS

Database File: albatross.db
Dataset Pathname: 1/run1/pass2.1
Presentation Format: scbl02
Dataset Creation: Mon Nov 18 08:35:48 2013
Charted by: Depth in Feet scaled 1:240

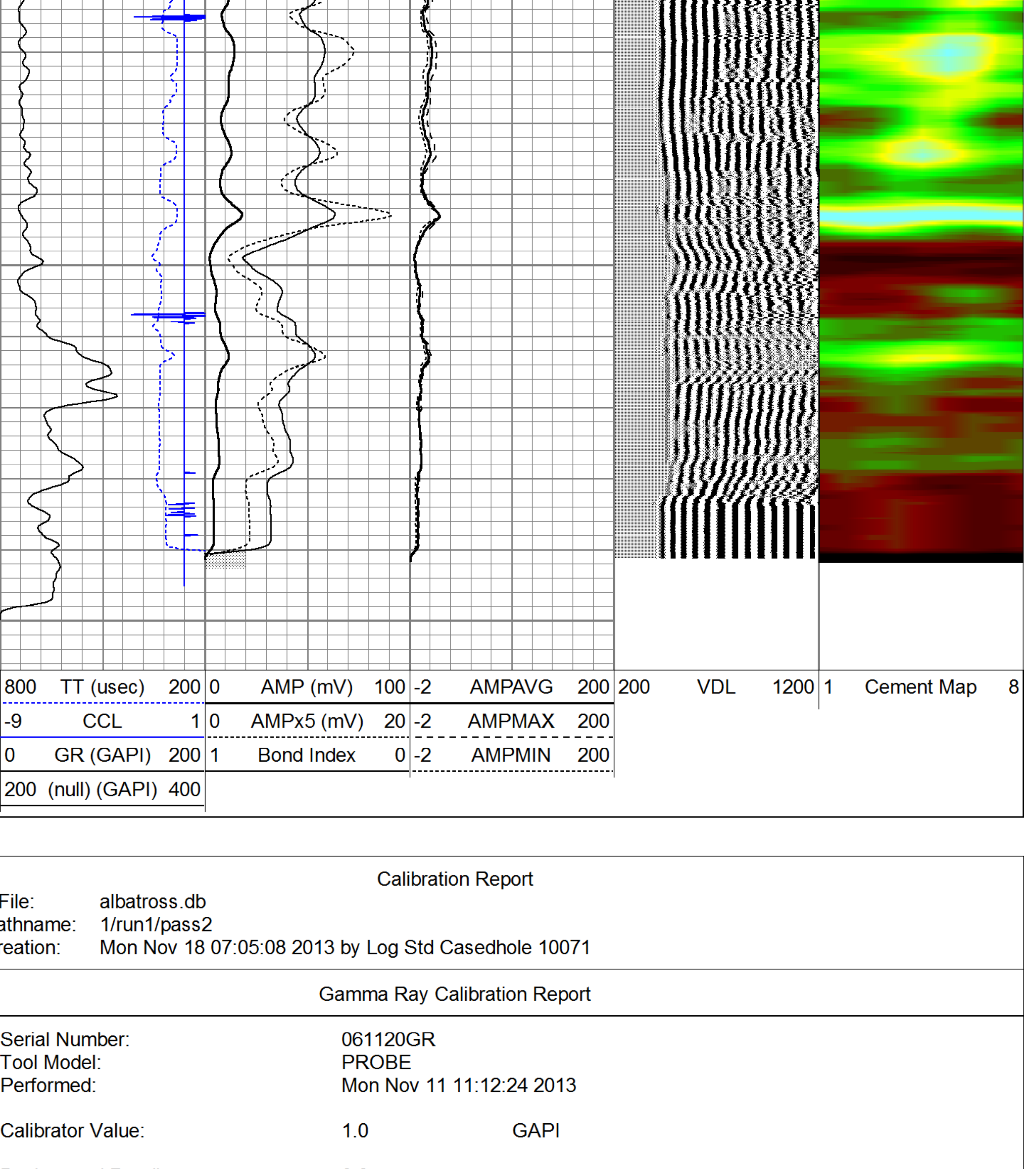
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File:	albatross.db
Dataset Pathname:	1/run1/pass1
Presentation Format:	scbl02
Dataset Creation:	Mon Nov 18 07:01:03 2013 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		
200 (null) (GAPI) 400				



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		
200 (null) (GAPI) 400				

Calibration Report

Database File:	albatross.db
Dataset Pathname:	1/run1/pass2
Dataset Creation:	Mon Nov 18 07:05:08 2013 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Mon Nov 11 11:12:24 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	239.983	ft

Master Calibration, performed Mon Nov 18 06:41:09 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	1.284	0.250	71.921	56.447	-0.583
CAL	1.507	1.488				
5'	0.014	1.220	0.250	71.921	59.453	-0.599
SUM						
S1	0.013	1.293	0.250	100.000	77.897	-0.727
S2	0.013	1.290	0.250	100.000	78.158	-0.785
S3	0.015	1.272	0.250	100.000	79.304	-0.901
S4	0.014	1.266	0.250	100.000	79.682	-0.880
S5	0.014	1.260	0.250	100.000	80.054	-0.842
S6	0.014	1.265	0.250	100.000	79.760	-0.899
S7	0.015	1.264	0.250	100.000	79.831	-0.923
S8	0.015	1.276	0.250	100.000	79.112	-0.930

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	1.507	1.488	1.000	0.000

Air Zero Calibration, performed Mon Nov 18 06:41:30 2013:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.015	0.000	-0.000
5'	0.014	0.000	0.000
SUM			
S1	0.013	0.000	-0.000
S2	0.014	0.000	-0.001
S3	0.015	0.000	-0.001
S4	0.015	0.000	-0.000
S5	0.015	0.000	-0.001
S6	0.015	0.000	-0.001
S7	0.015	0.000	-0.000
S8	0.016	0.000	-0.001