PEAK WIRELINE SERVICES, INC.

Company CASCADE PETROLEUM, LLC.
Well GAEDE A9S 55W 05 43
Field WILDCAT
County LINCOLN
State COLORADO

RADIAL CEMENT BOND LOG

Company	CASCADE PETROLEUM, LLC.
Well	GAEDE A9S 55W 05 43
Field	WILDCAT
County	LINCOLN
State	COLORADO
Location	SW SW 810' FSL & 256' FEL SEC 5 TWP 9S RGE 55W
Other Services	
Permanent Datum	GROUND LEVEL Elevation 5659
Log Measured From	KELLY BUSHING 16' AGL
Drilling Measured From	KELLY BUSHING
Elevation	K.B. 5675 D.F. 5675 G.L. 5659

Date	7-8-2014
Run Number	ONE
Depth Driller	8300
Depth Logger	8225
Bottom Logged Interval	8221
Top Log Interval	3500
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	MIKE DECKER

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	540				
TWO	7 7/8"	540	8300				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	24#	0	540
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.

MAIN PASS

Database File: gaede.db
Dataset Pathname: pass4
Presentation Format: scbl02
Dataset Creation: Tue Jul 08 12:35:30 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

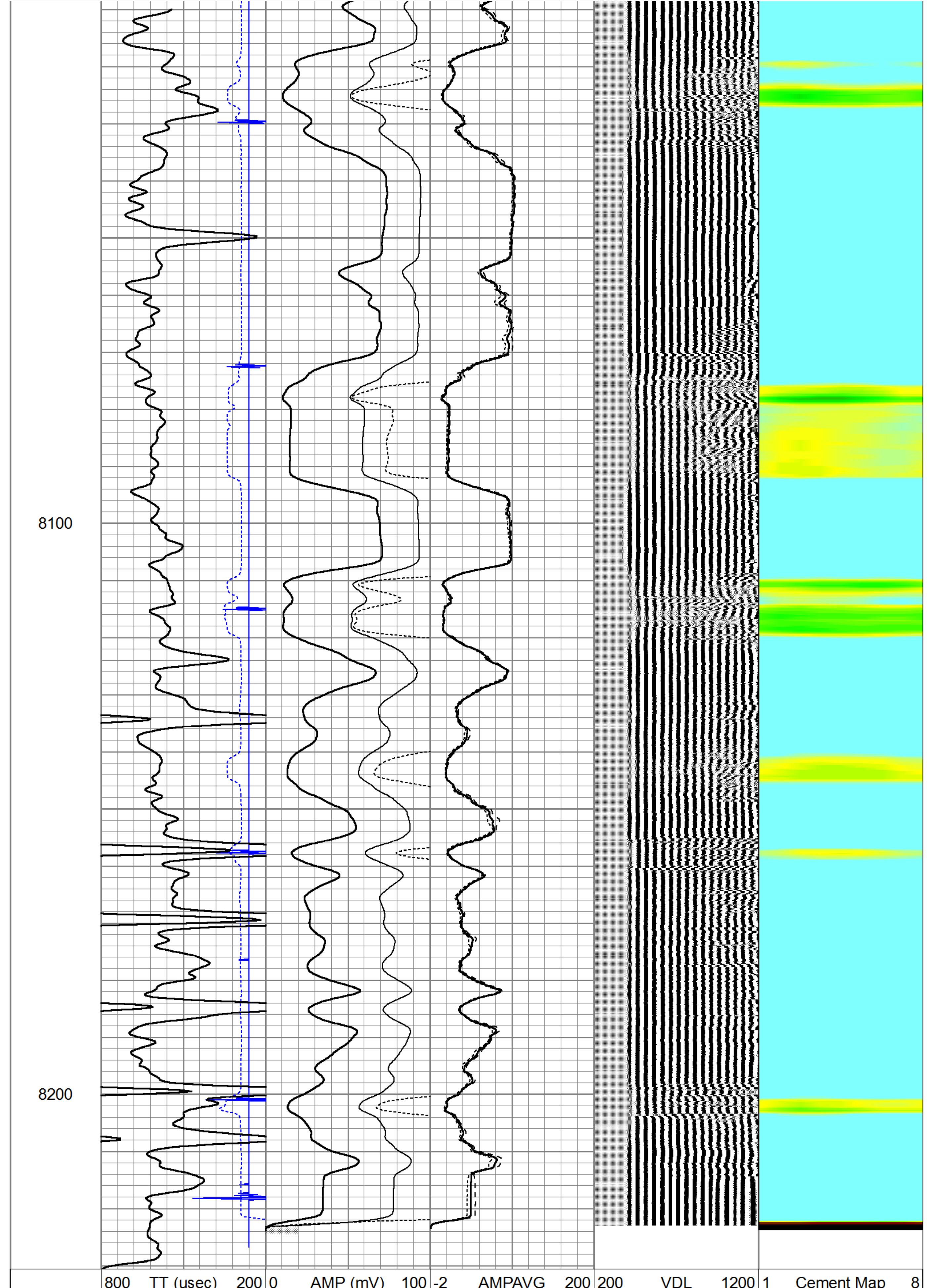
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File: gaede.db
Dataset Pathname: pass3
Presentation Format: scbl02
Dataset Creation: Tue Jul 08 12:28:43 2014 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: gaede.db
Dataset Pathname: pass3
Dataset Creation: Tue Jul 08 12:28:43 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:	1724.858	ft

Master Calibration, performed Tue Jul 08 12:10:36 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.013	1.438	0.250	71.921	50.301	-0.405
CAL	1.726	1.720				
5'	0.014	1.463	0.250	71.921	49.473	-0.464
SUM						
S1	0.012	1.452	0.250	100.000	69.282	-0.606
S2	0.014	1.452	0.250	100.000	69.353	-0.692
S3	0.015	1.447	0.250	100.000	69.628	-0.767
S4	0.014	1.447	0.250	100.000	69.598	-0.702
S5	0.014	1.427	0.250	100.000	70.588	-0.738
S6	0.014	1.415	0.250	100.000	71.195	-0.724
S7	0.013	1.421	0.250	100.000	70.871	-0.703
S8	0.013	1.440	0.250	100.000	69.947	-0.692

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	1.726	1.720	1.000	0.000

Air Zero Calibration, performed Tue Jul 08 11:25:46 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