PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	PRONGHORN OPERATING, LLC.
Well	MOYER #1
Field	SALIS
County	CHEYENNE
State	COLORADO

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Well MOYER #1
Field SALIS
County CHEYENNE State COLORADO

Location
620' FNL & 620' FWL
SEC 36 TWP 13S RGE 44W

Other Services

Permanent Datum GROUND LEVEL Elevation 4164
Log Measured From KELLY BUSHING 12' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4176
D.F.
G.L. 4164

Date	9-17-2013	
Run Number	TWO	
Depth Driller	5574	
Depth Logger	4128	
Bottom Logged Interval	4124	2550
Top Log Interval	3800	950
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	JAKE FLORA	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	452				
TWO	12 1/4"	452	1685				
THREE	7 7/8"	1685	5574				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	54#	0	452
Prot. String				
Production String	5 1/2"	15.5#	0	5564
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: moyer.db
Dataset Pathname: pass3
Presentation Format: cbldig
Dataset Creation: Tue Sep 03 08:06:02 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	800	Travel Time (usec)	200			

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0	GR (GAPI)	150	800	Travel Time (usec)	200			

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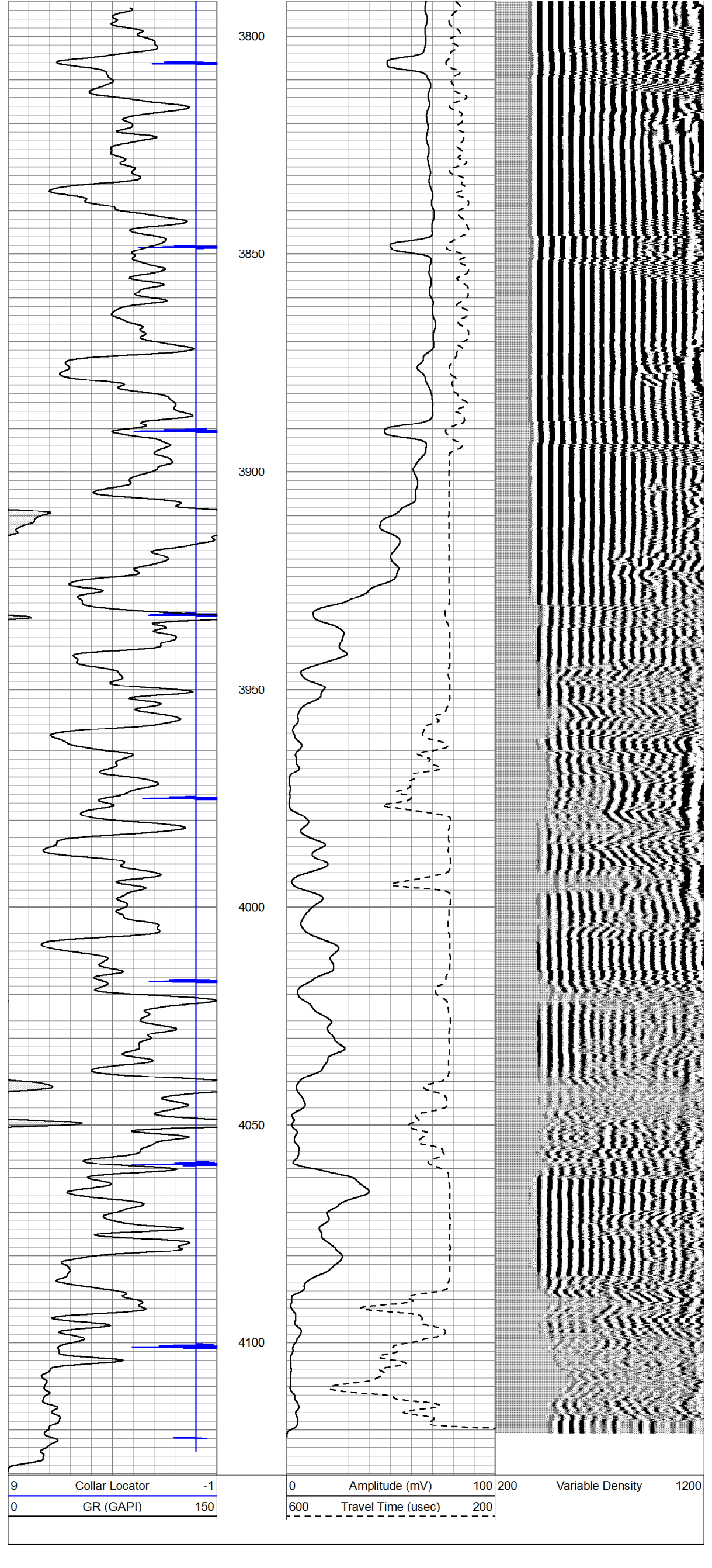
MAIN PASS

Database File: moyer.db
Dataset Pathname: pass5
Presentation Format: cbldig
Dataset Creation: Tue Sep 17 08:24:52 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	600	Travel Time (usec)	200			



9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	600	Travel Time (usec)	200			

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MAIN PASS

Database File: moyer.db
Dataset Pathname: pass2
Presentation Format: cbldig
Dataset Creation: Tue Sep 03 07:23:06 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	800	Travel Time (usec)	200			

9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	800	Travel Time (usec)	200			

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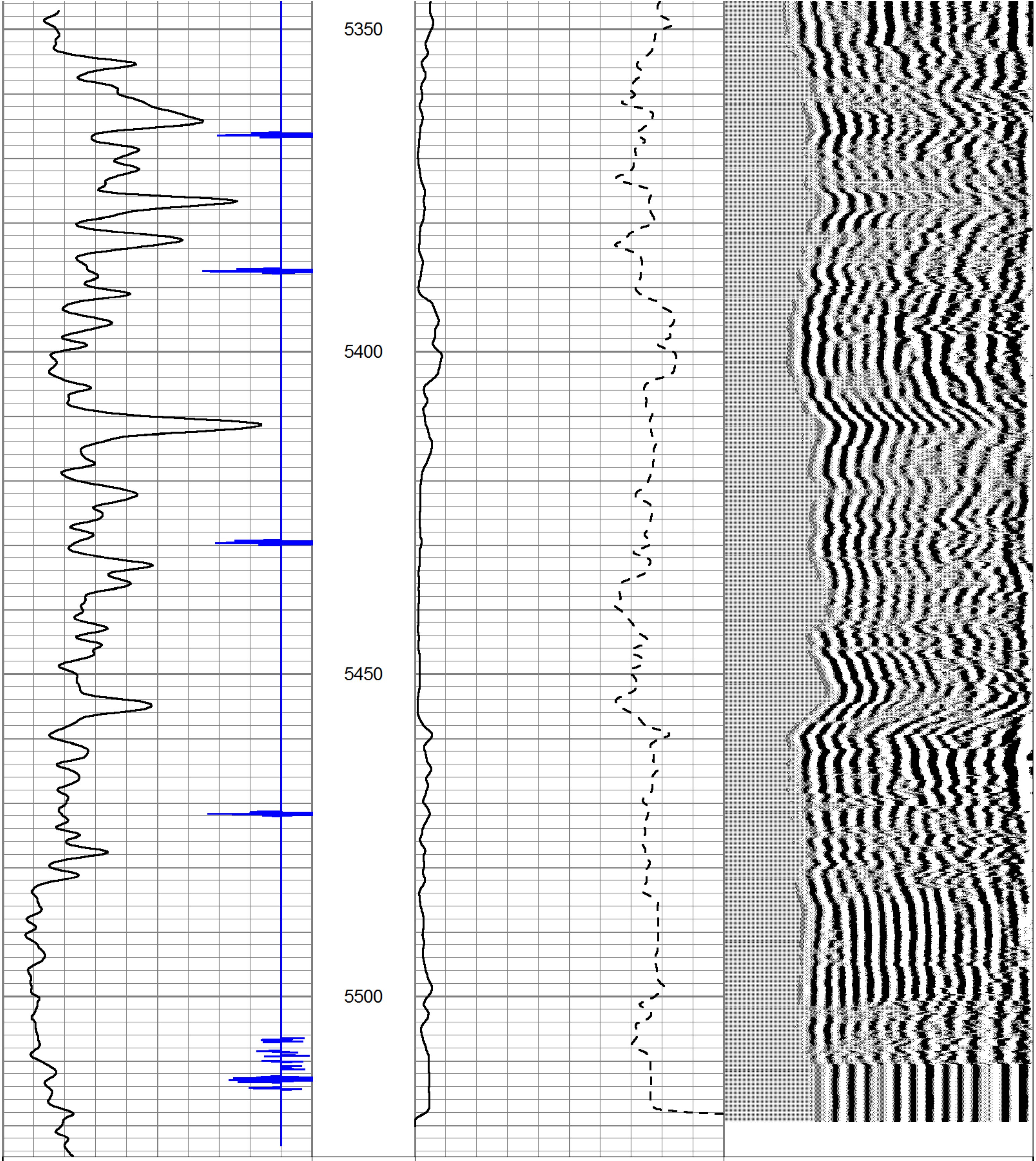
REPEAT SECTION

Database File: moyer.db
Dataset Pathname: pass1
Presentation Format: cbldig
Dataset Creation: Tue Sep 03 07:16:36 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	800	Travel Time (usec)	200			



9	Collar Locator	-1	0	Amplitude (mV)	100	200	Variable Density	1200
0	GR (GAPI)	150	800	Travel Time (usec)	200			

Calibration Report

Database File: moyer.db
Dataset Pathname: pass2
Dataset Creation: Tue Sep 03 07:23:06 2013 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Fri Aug 09 11:38:03 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Tue Sep 03 07:08:14 2013		
Depth:	3144.97	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.25	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	0.0097168	0.0138428	V
Reading in Free Pipe:	1.93535	1.87336	V
Gain:	37.2194	38.6772	
Offset:	-0.111654	-0.5354	