PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	PRONGHORN OPERATING, LLC.
Well	UPRR 14-5 #1X
Field	CHEYENNE WELLS
County	CHEYENNE
State	COLORADO

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Well UPRR 14-5 #1X
Field CHEYENNE WELLS
County CHEYENNE State COLORADO

Location
622' FSL & 674' FWL
SEC 5 TWP 14S RGE 44W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	4301
Log Measured From	KELLY BUSHING 17' AGL		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 4318
D.F. 4311
G.L. 4301

Date	4-18-2013		
Run Number	ONE		
Depth Driller	5623		
Depth Logger	5552	4480	2700
Bottom Logged Interval	5551	3500	1500
Top Log Interval	4950		
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	5330		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-8		
Location	CHEYENNE WELLS, CO		
Recorded By	HEDNERSON		
Witnessed By	JAKE FLORA		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	460				
TWO	12 1/4"	460	1688				
THREE	7 7/8	1668	5623				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"		0	460
Prot. String	8 5/8"		0	1704
Production String	5 1/2"	15.5#	0	5608
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

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3RD STAGE

Database File: uprr.db
Dataset Pathname: 14-51X/run1/pass4
Presentation Format: cbldig
Dataset Creation: Thu Apr 18 07:54:46 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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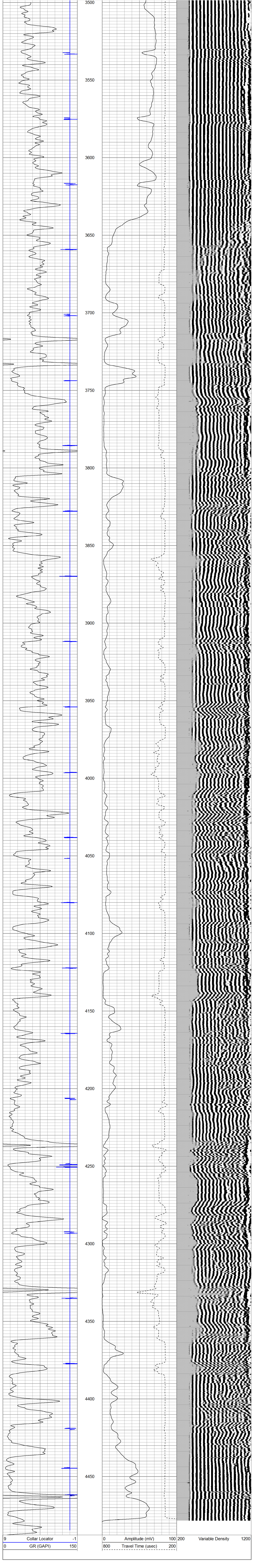
2ND STAGE

Database File: uprr.db
Dataset Pathname: 14-51X/run1/pass3
Presentation Format: cbldig
Dataset Creation: Thu Apr 18 07:28:47 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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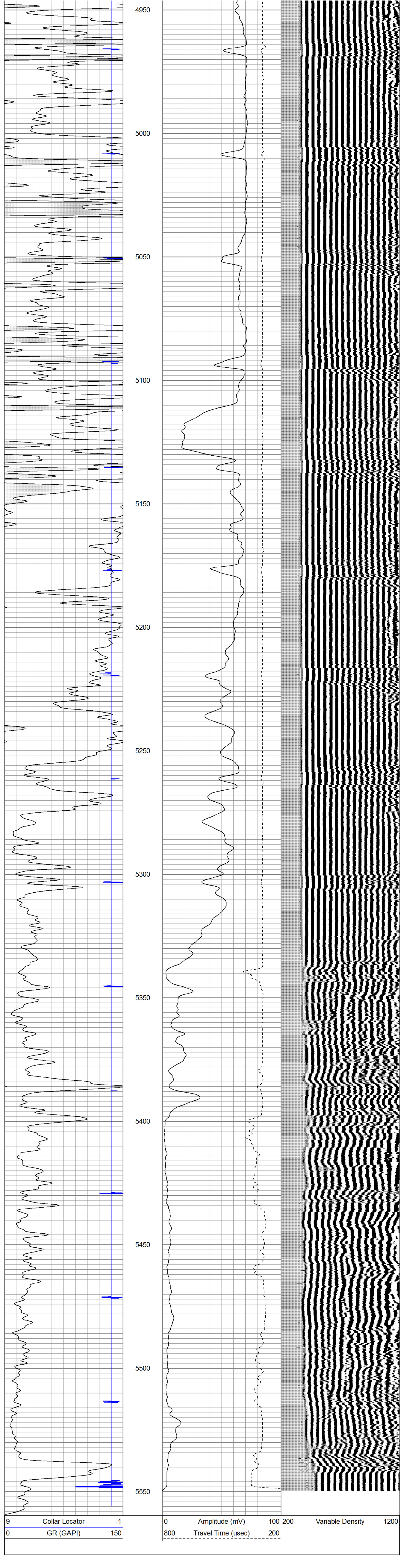
MAIN PASS

Database File: uprr.db
Dataset Pathname: 14-51X/run1/pass2
Presentation Format: cbldig
Dataset Creation: Thu Apr 18 07:11:19 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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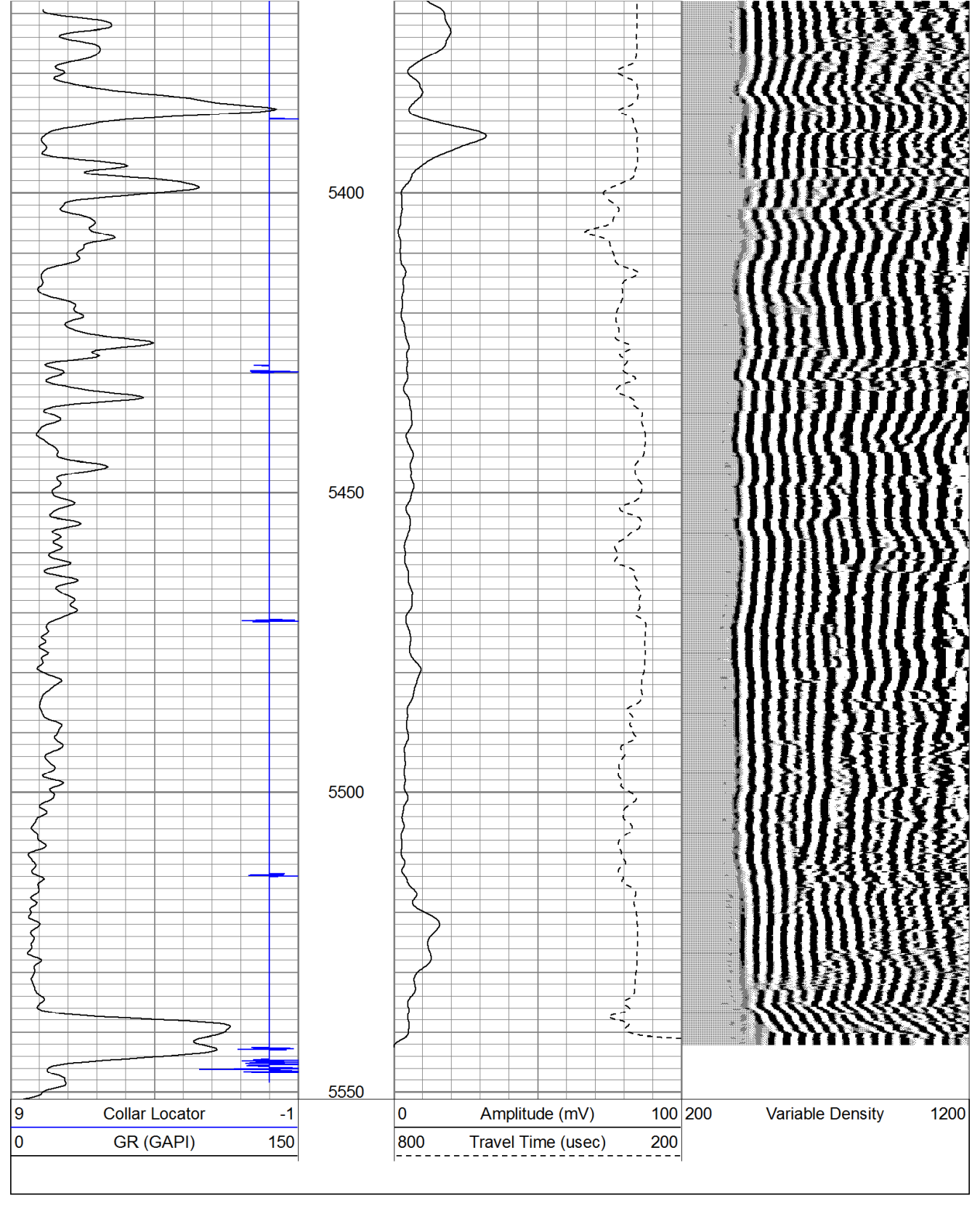
REPEAT SECTION

Database File: uprr.db
Dataset Pathname: 14-51X/run1/pass1
Presentation Format: cbldig
Dataset Creation: Thu Apr 18 07:06:05 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	



Calibration Report

Database File: uprr.db
Dataset Pathname: 14-51X/run1/pass4
Dataset Creation: Thu Apr 18 07:54:46 2013 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Thu Apr 18 07:11:02 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	85.8	cps
Sensitivity:	1.2000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Thu Apr 18 07:34:31 2013		
Depth:	3032.1	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	-0.0123291	0.0157471	V
Reading in Free Pipe:	2.22801	2.10464	V
Gain:	32.1027	34.4302	
Offset:	0.395798	-0.542175	