PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	PRONGHORN OPERATING, LLC.
Well	HARLEY #1
Field	CHEYENNE WELLS
County	CHEYENNE
State	COLORADO

Company PRONGHORN OEPRATING, LLC.

Well HARLEY #1

Field CHEYENNE WELLS

County CHEYENNE State COLORADO

Location SE NW
SEC 5 TWP 14S RGE 44W

Other Services

Permanent Datum GROUND LEVEL Elevation 4299
Log Measured From KELLY BUSHING 123' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4311
D.F.
G.L. 4299

Date	9-10-2012	9-17-2012	9-17-2012
Run Number	ONE	TWO	TWO
Depth Driller	5488		
Depth Logger	5444	4360	2420
Bottom Logged Interval	5440	4360	2420
Top Log Interval	4800	3680	500
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	4954		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-7		
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	12 1/4"	0	414				
TWO	7 7/8"	414	5484				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	414
Prot. String				
Production String	5 1/2"	15.5#	0	5460
Liner				

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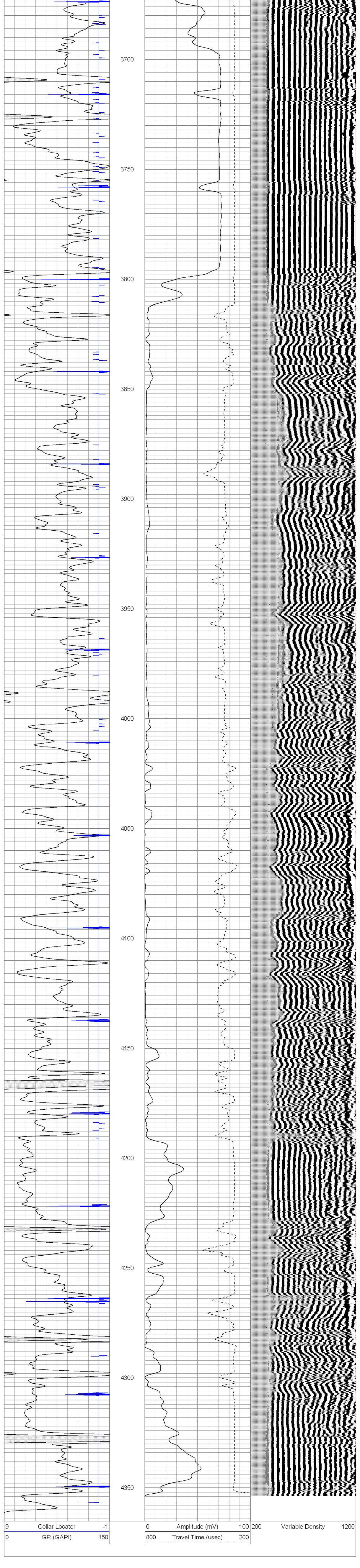
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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: c:\documents and settings\sds\desktop\harley1.db
Dataset Pathname: pass2
Presentation Format: cbldig
Dataset Creation: Mon Sep 17 14:41:19 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

Database File: c:\documents and settings\sds\desktop\harley1.db
Dataset Pathname: pass1
Presentation Format: cbldig
Dataset Creation: Mon Sep 17 14:19:48 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



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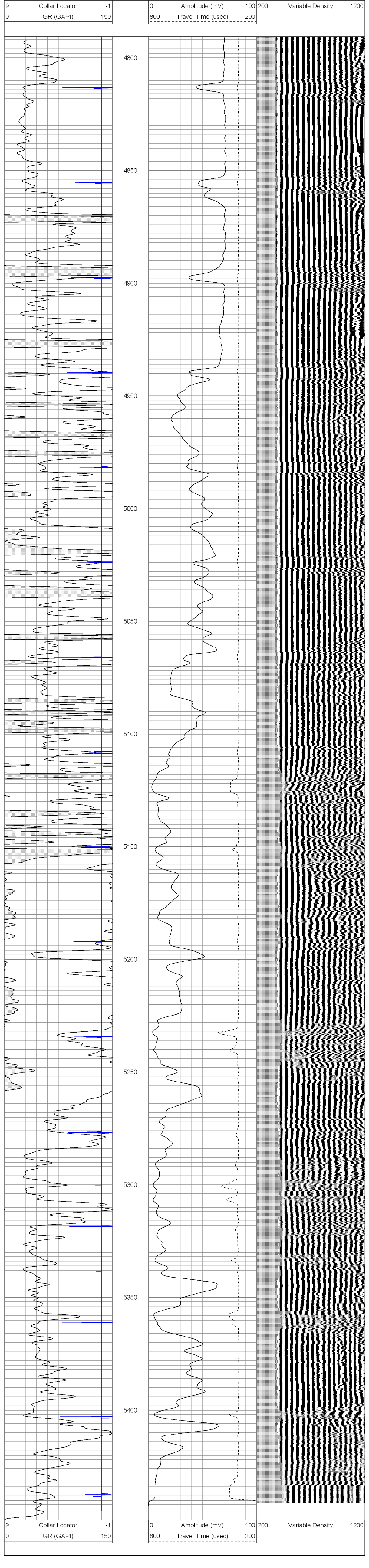
MAIN PASS

Database File: harley .db
Dataset Pathname: 1/run1/pass1
Presentation Format: cbldig
Dataset Creation: Mon Sep 10 09:31:52 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



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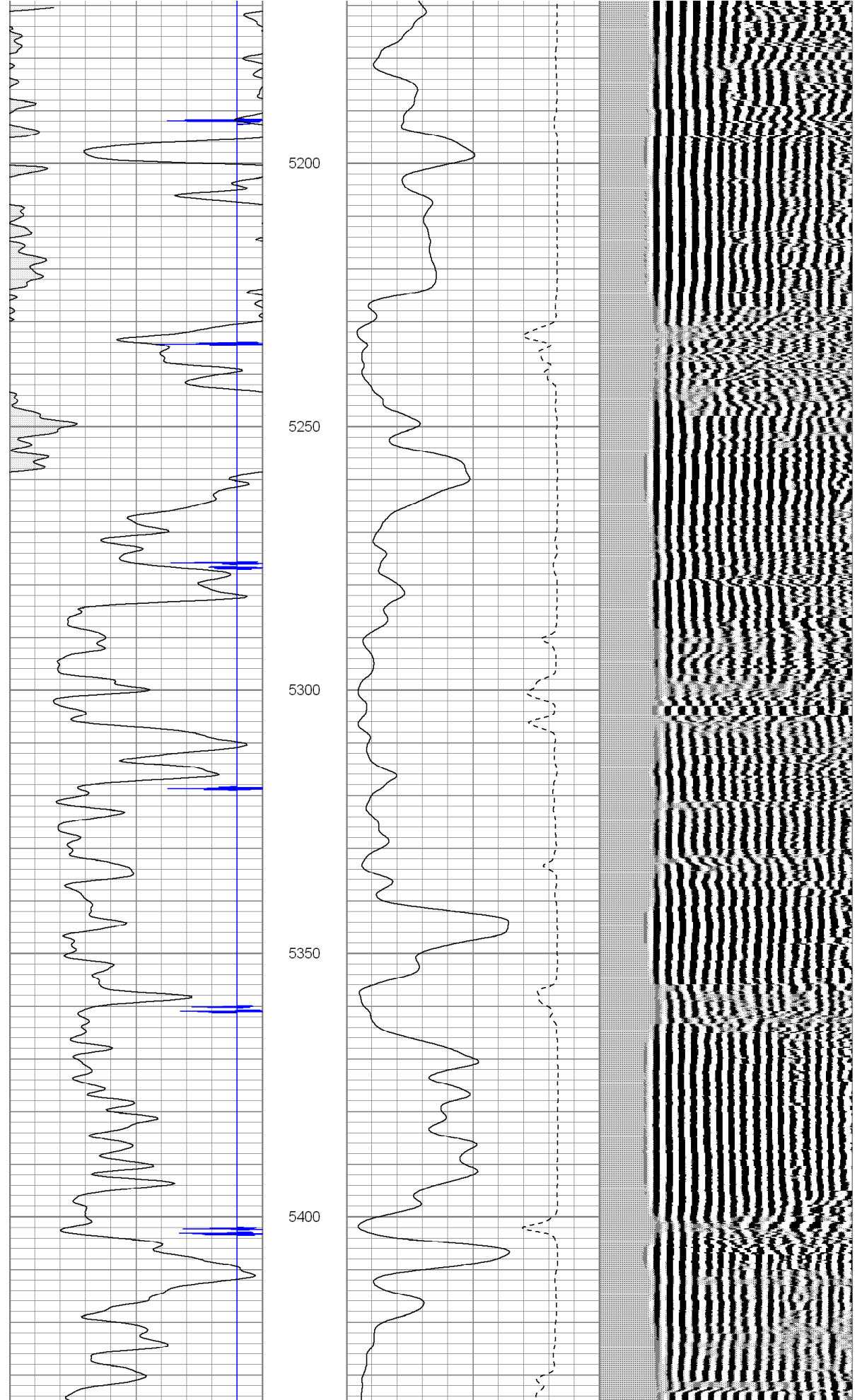
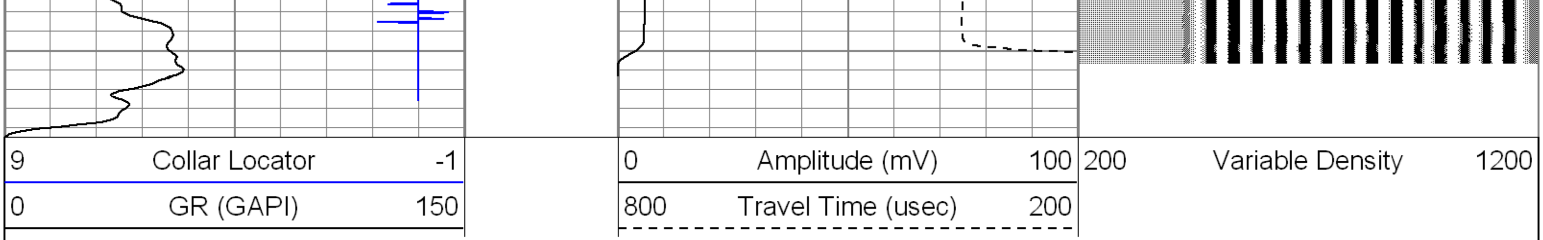
REPEAT SECTION

Database File: harley .db
Dataset Pathname: 1/run1/pass2
Presentation Format: cbldig
Dataset Creation: Mon Sep 10 09:47:28 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File:	harley .db
Dataset Pathname:	1/run1/pass2
Dataset Creation:	Mon Sep 10 09:47:28 2012 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Thu Dec 29 07:56:28 2011	
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:	Mon Sep 10 09:17:00 2012	
Depth:	0	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:	0.00524902	0.00307617	V
Reading in Free Pipe:	2.03972	2.03232	V
Gain:	35.3512	35.4422	
Offset:	-0.185559	-0.109026	