PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	PRINGHORN OPERATING, LLC.
Well	EVAN #2
Field	
County	CHEYENNE
State	COLORADO

Company	PRONGHORN OPERATING, LLC.		
Well	EVAN #2		
Field	SPUR		
County	CHEYENNE	State	COLORADO
Location	731' FNL & 1856' FEL NW NW SEC 7 TWP 14S RGE 44W	Other Services	
Permanent Datum	GROUND LEVEL	Elevation	4295
Log Measured From	KELLY BUSHING 16' AGL	Elevation	K.B. 4311 D.F. 4310 G.L. 4295
Drilling Measured From	KELLY BUSHING		

Date	9-26-2013	
Run Number	ONE	
Depth Driller	5608	
Depth Logger	5587	
Bottom Logged Interval	5583	2570
Top Log Interval	3570	540
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	ZANE KUENZLER	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	470				
TWO	12 1/4"	473	1619				
THREE	7 7/8"	1619	5608				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	54#	0	470
Prot. String	8 5/8"	24#	0	1619
Production String	5 1/2"	15.5#	0	5600
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: evan2.db
Dataset Pathname: pass3
Presentation Format: cbldig
Dataset Creation: Thu Sep 26 09:33:57 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

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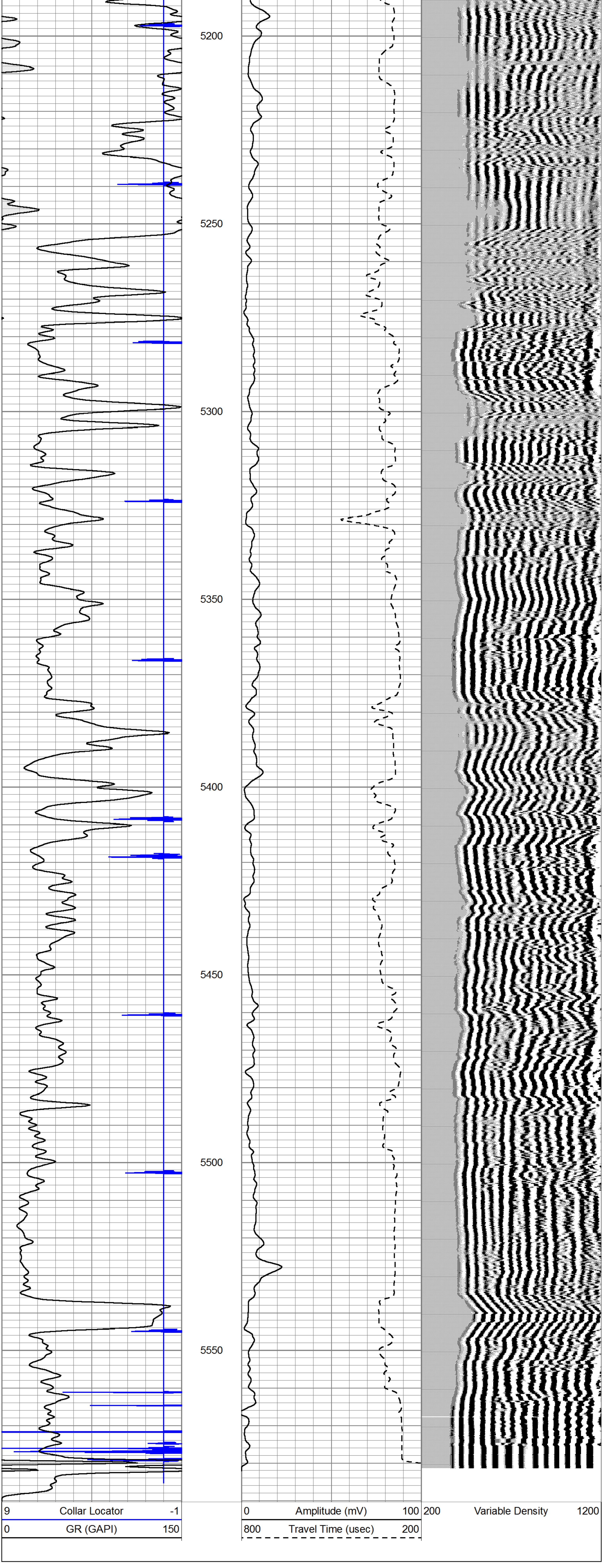
MAIN PASS

Database File: evan2.db
Dataset Pathname: pass2.1
Presentation Format: cbldig
Dataset Creation: Thu Sep 26 09:38:05 2013
Charted by: Depth in Feet scaled 1:240



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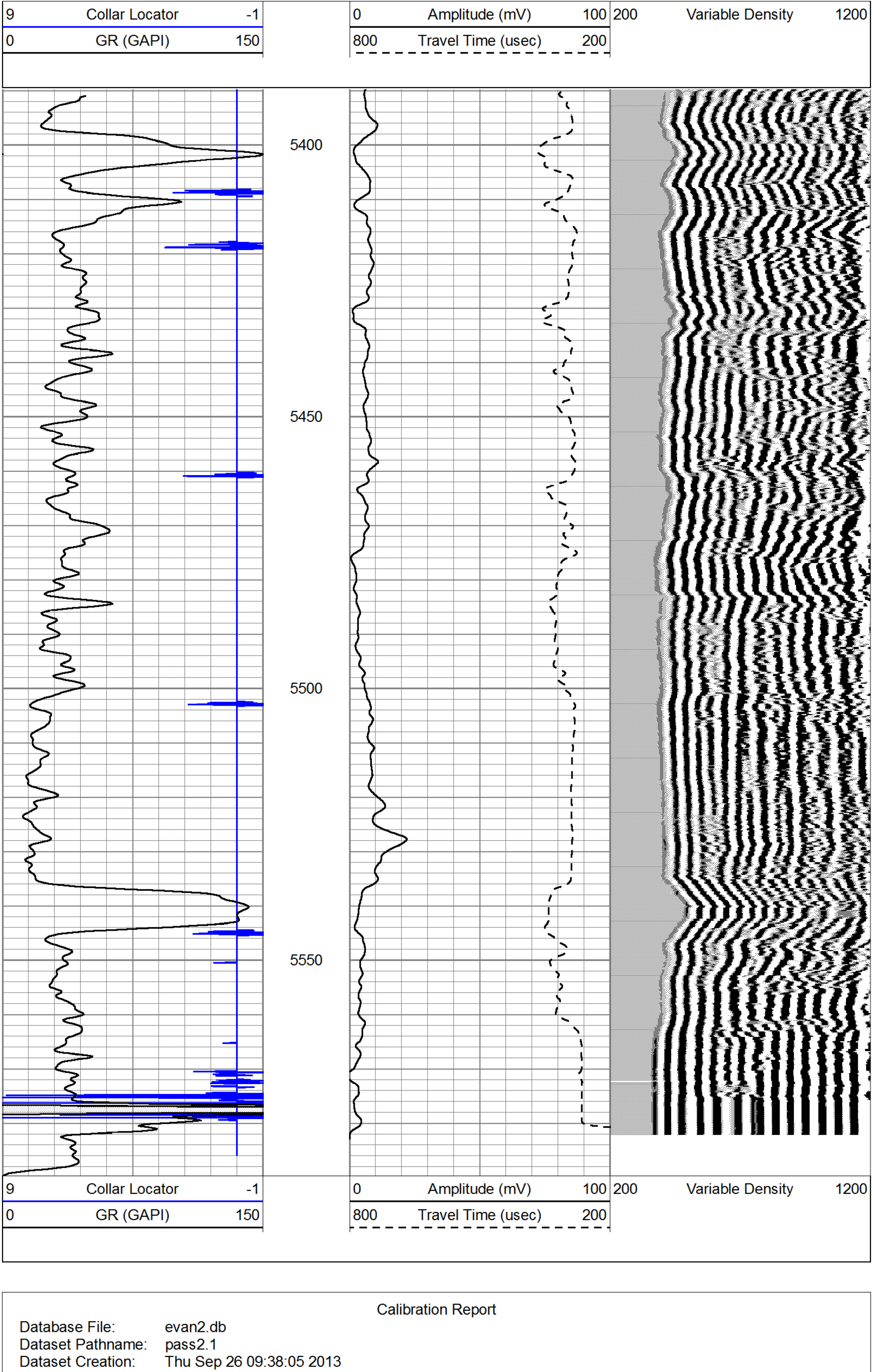
REPEAT SECTION

Database File:	evan2.db
Dataset Pathname:	pass1
Presentation Format:	cbldig
Dataset Creation:	Thu Sep 26 08:47:19 2013 by Log Std Casedhole 10071
Charted by:	Depth in Feet scaled 1:240



Calibration Report

Database File:	evan2.db
Dataset Pathname:	pass2.1
Dataset Creation:	Thu Sep 26 09:38:05 2013

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:	Thu Sep 26 08:42:46 2013		
Depth:	3745.9	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:	0.0105225	0.0152588	V
Reading in Free Pipe:	2.03381	1.96504	V
Gain:	35.423	36.8867	
Offset:	-0.122737	-0.562847	