PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	PRONGHORN OPERATING, LLC.
Well	CHESNEY 2
Field	CHEYENNE WELLS
County	CHEYENNE
State	COLORADO

Company PRONGHORN OPERATING, LLC.

Well CHESNEY #2

Field CHEYENNE WELLS

County CHEYENNE State COLORADO

Location
731' FNL & 636' FEL
SEC 7 TWP 14S RGE 44W

Other Services

Permanent Datum GROUND LEVEL Elevation 4286
Log Measured From KELLY BUSHING 16' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4302
D.F. 4301
G.L. 4286

Date	6-17-2013	
Run Number	ONE	
Depth Driller	5605	
Depth Logger	5577	
Bottom Logged Interval	5573	2550
Top Log Interval	5020	300
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	5170	420
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	422				
TWO	12 1/4"	0	1676				
THREE	7 7/8"	0	5605				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	54#	0	422
Prot. String	8 5/8"	20#	0	1676
Production String	5 1/2"	15.5#	0	5597
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: chesney.db
Dataset Pathname: 2/run1/pass8
Presentation Format: cbldig
Dataset Creation: Mon Jun 17 07:42:55 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

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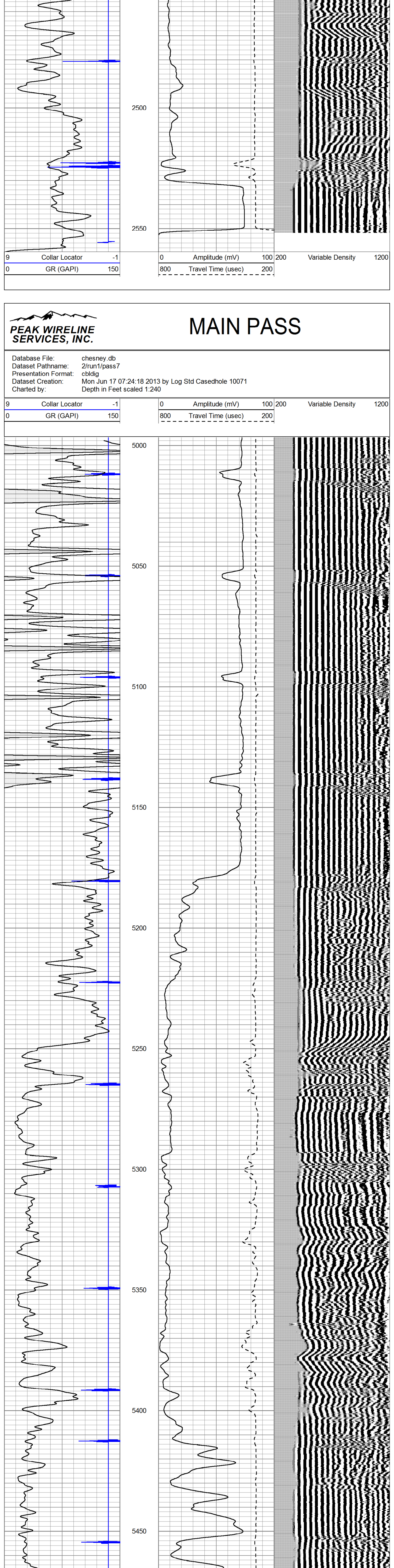
MAIN PASS

Database File: chesney.db
Dataset Pathname: 2/run1/pass7
Presentation Format: cbldig
Dataset Creation: Mon Jun 17 07:24:18 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



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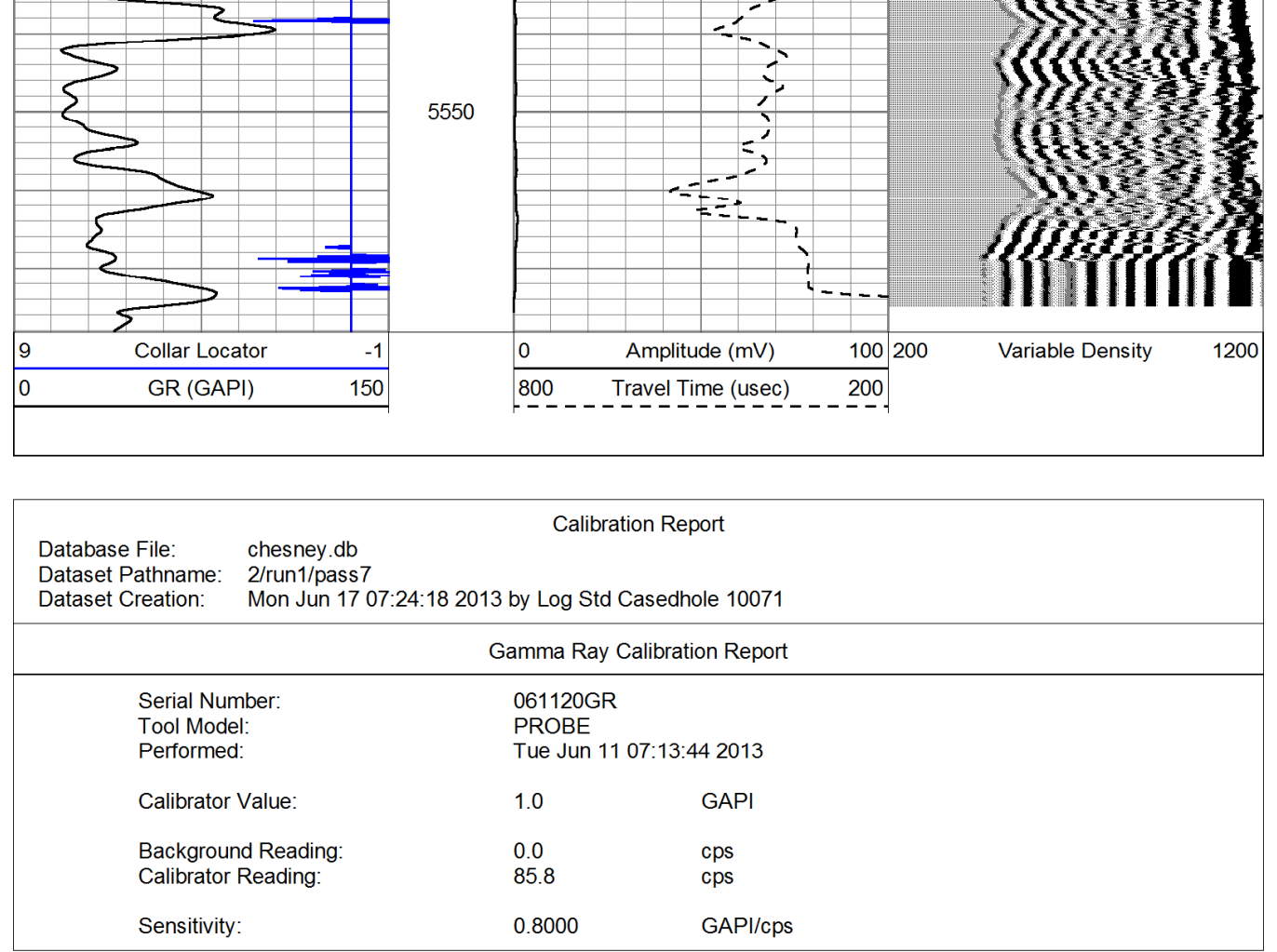
REPEAT SECTION

Database File: chesney.db
Dataset Pathname: 2/run1/pass6
Presentation Format: cbldig
Dataset Creation: Mon Jun 17 07:19:08 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: chesney.db
Dataset Pathname: 2/run1/pass7
Dataset Creation: Mon Jun 17 07:24:18 2013 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Tue Jun 11 07:13:44 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	85.8	cps
Sensitivity:	0.8000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Mon Jun 17 07:20:49 2013		
Depth:	2931.48	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:	-0.00754395	0.0155029	V
Reading in Free Pipe:	2.39126	2.42075	V
Gain:	29.8778	29.9017	
Offset:	0.475397	-0.463564	