PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

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

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Location: API # : 05-017-07741

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	7-8-2013		
Run Number	ONE		
Depth Driller	5623		
Depth Logger			
Bottom Logged Interval			
Top Log Interval			
Open Hole Size	7 7/8"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-4		
Location	CHEYENNE WELLS, CO.		
Recorded By	HENDERSON		
Witnessed By	ZANE KUENZLER		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	460	13 3/8"	54#	0	460
TWO	12 1/4"	460	1688	8 5/8"	24#	0	1688
THREE	7 7/8"	1688	5623	5 1/2"	15.5#	0	5608

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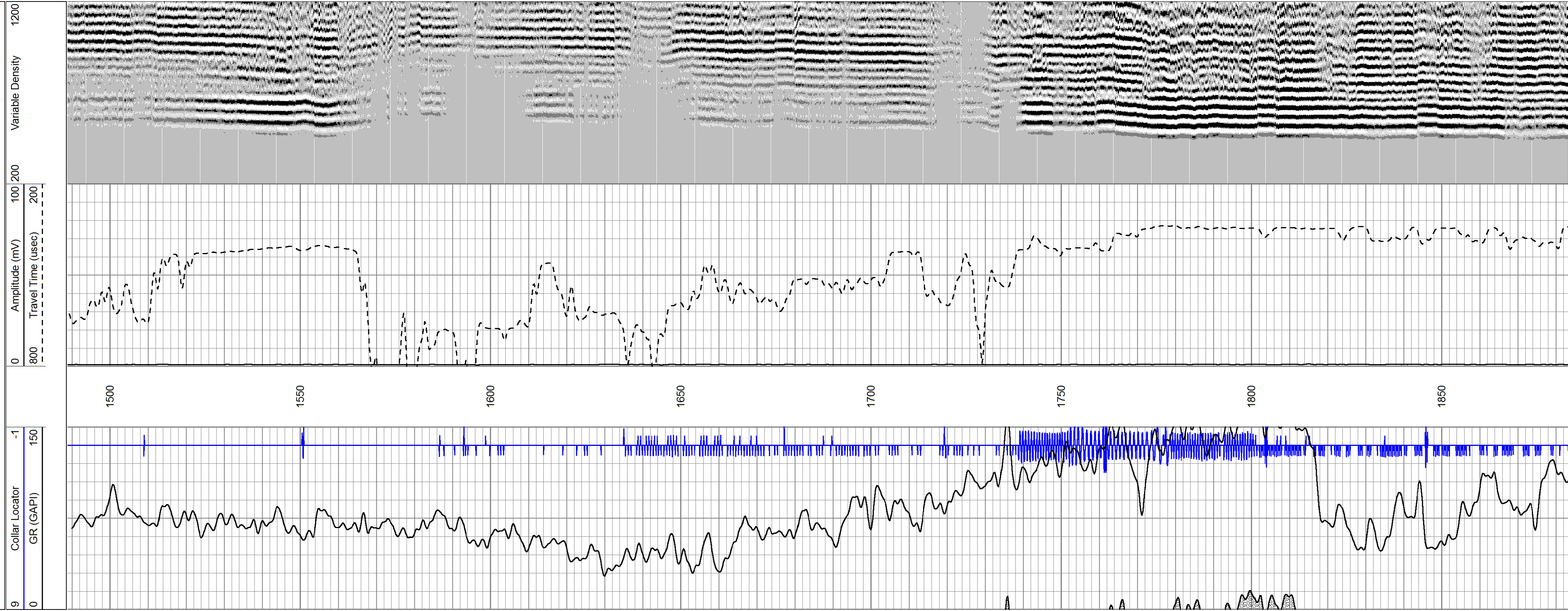
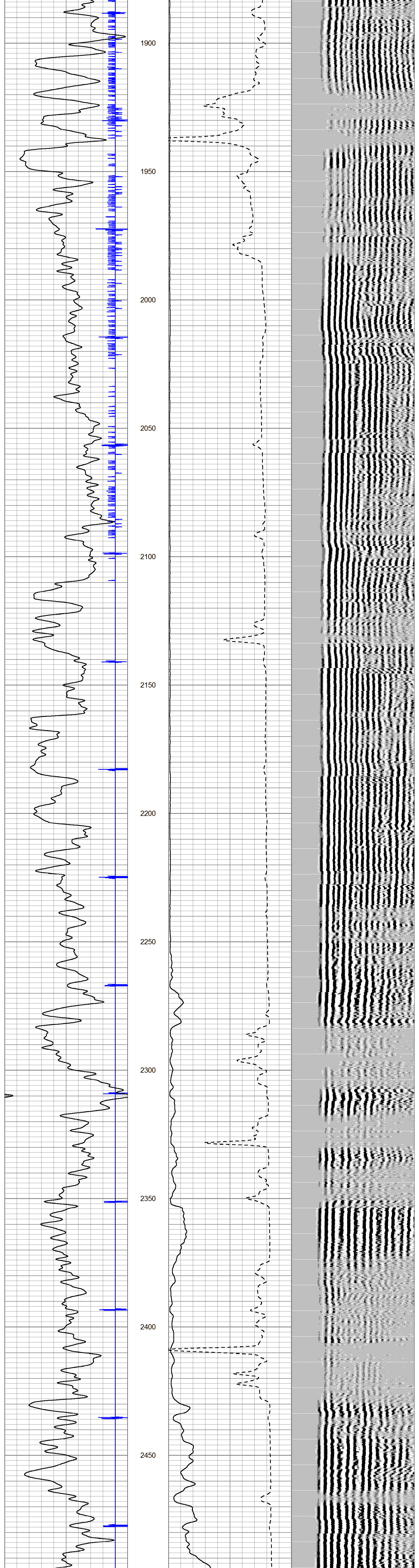
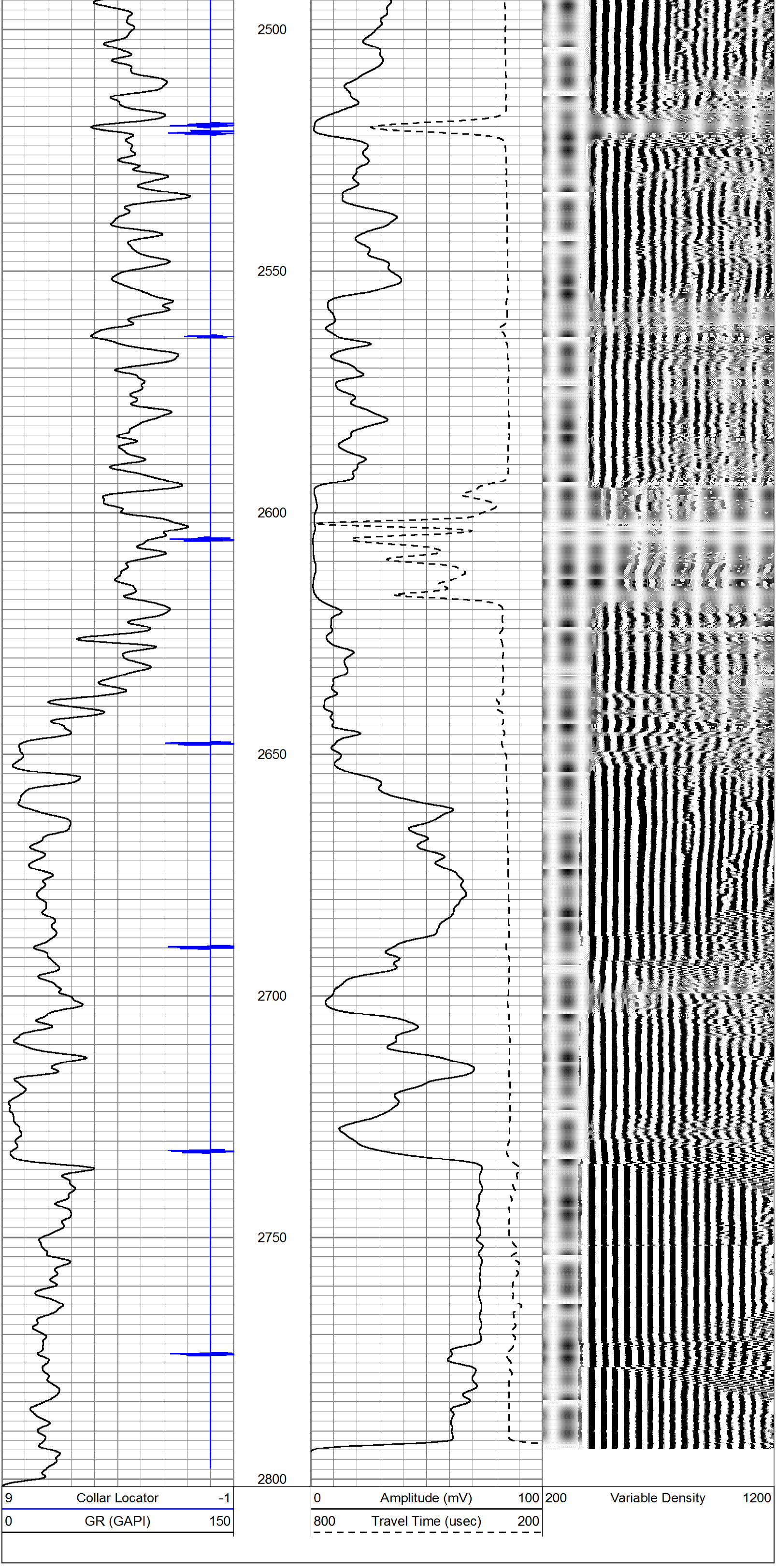
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:	uprr.db
Dataset Pathname:	pass3
Presentation Format:	cbldig
Dataset Creation:	Mon Jul 08 14:00:33 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240







Calibration Report

Database File: uprr.db
Dataset Pathname: pass3
Dataset Creation: Mon Jul 08 14:00:33 2013 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number: 061120GR
Tool Model: PROBE
Performed: Mon Jul 01 06:56:52 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 85.8 cps

Sensitivity: 0.9000 GAPI/cps

Cement Bond Log Calibration Report

Serial Number: 5.5dig040201
Tool Model: Probe275Digital
Performed: Mon Jul 08 13:59:53 2013

Depth: 2762.31 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:	0.00175781	0.00598145	V
Reading in Free Pipe:	2.26162	2.15364	V
Gain:	31.7148	33.4881	
Offset:	0.194251	-0.200307	