Company MULL DRILLING COMPANY, INC.
Well APC-BETTY #1-27
Field WILDCAT
County CHEYENNE
State COLORADO

PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company MULL DRILLING COMPANY, INC.
Well APC-BETTY #1-27
Field WILDCAT
County CHEYENNE State COLORADO

Location 865' FSL & 1878' FEL
SW SE
SEC 27 TWP 16S RGE 45W

Other Services

Permanent Datum GROUND LEVEL Elevation 4227
Log Measured From KELLY BUSHING 11' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4238
D.F. 4236
G.L. 4227

Date	2-18-2014	
Run Number	ONE	
Depth Driller	5490	
Depth Logger	5443	
Bottom Logged Interval	5439	2870
Top Log Interval	4300	50
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	4880	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-8	
Location	CHEYENNE WELLS, CO	
Recorded By	HENDERSON	
Witnessed By	TRACY AKERS	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	343				
TWO	7 7/8"	343	5490				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	343
Prot. String				
Production String	5 1/2"	15.5#	0	5490
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

PEAK WIRELINE SERVICES, INC.

D V TOOL

Database File: apcbetty.db
Dataset Pathname: 1-27/run1/pass3
Presentation Format: cbldig
Dataset Creation: Tue Feb 18 09:52:13 2014 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	

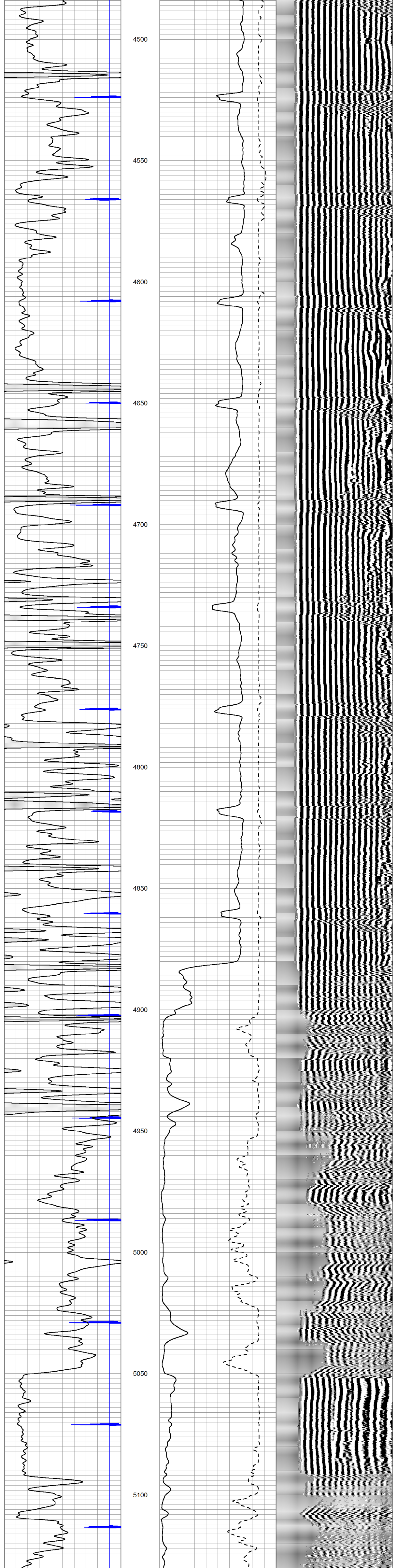
9 Collar Locator -1	0 Amplitude (mV) 100	200 Variable Density 1200
0 GR (GAPI) 150	800 Travel Time (usec) 200	

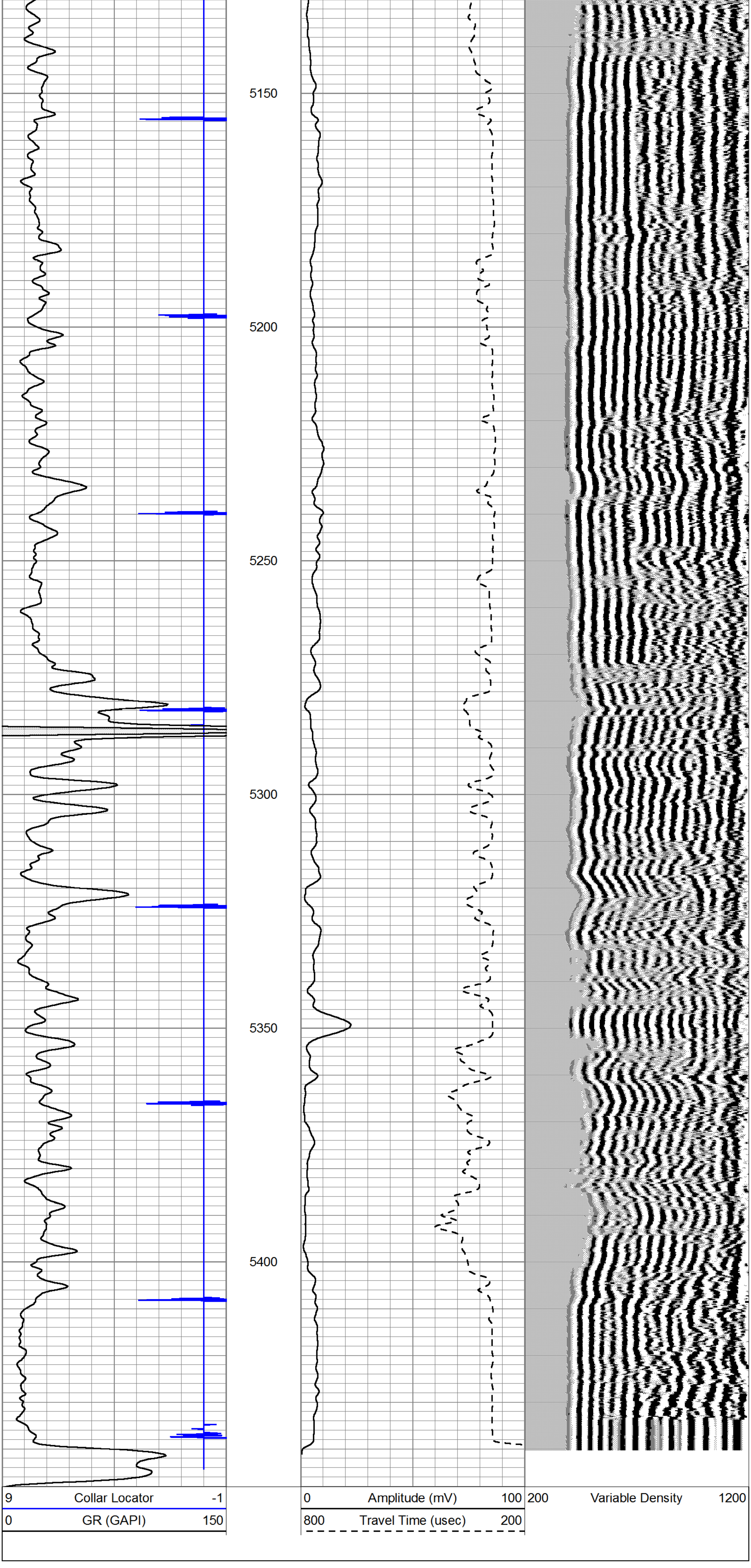
PEAK WIRELINE SERVICES, INC.

MAIN PASS

Database File: apcbetty.db
Dataset Pathname: 1-27/run1/pass2
Presentation Format: cbldig
Dataset Creation: Tue Feb 18 09:24:30 2014 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	

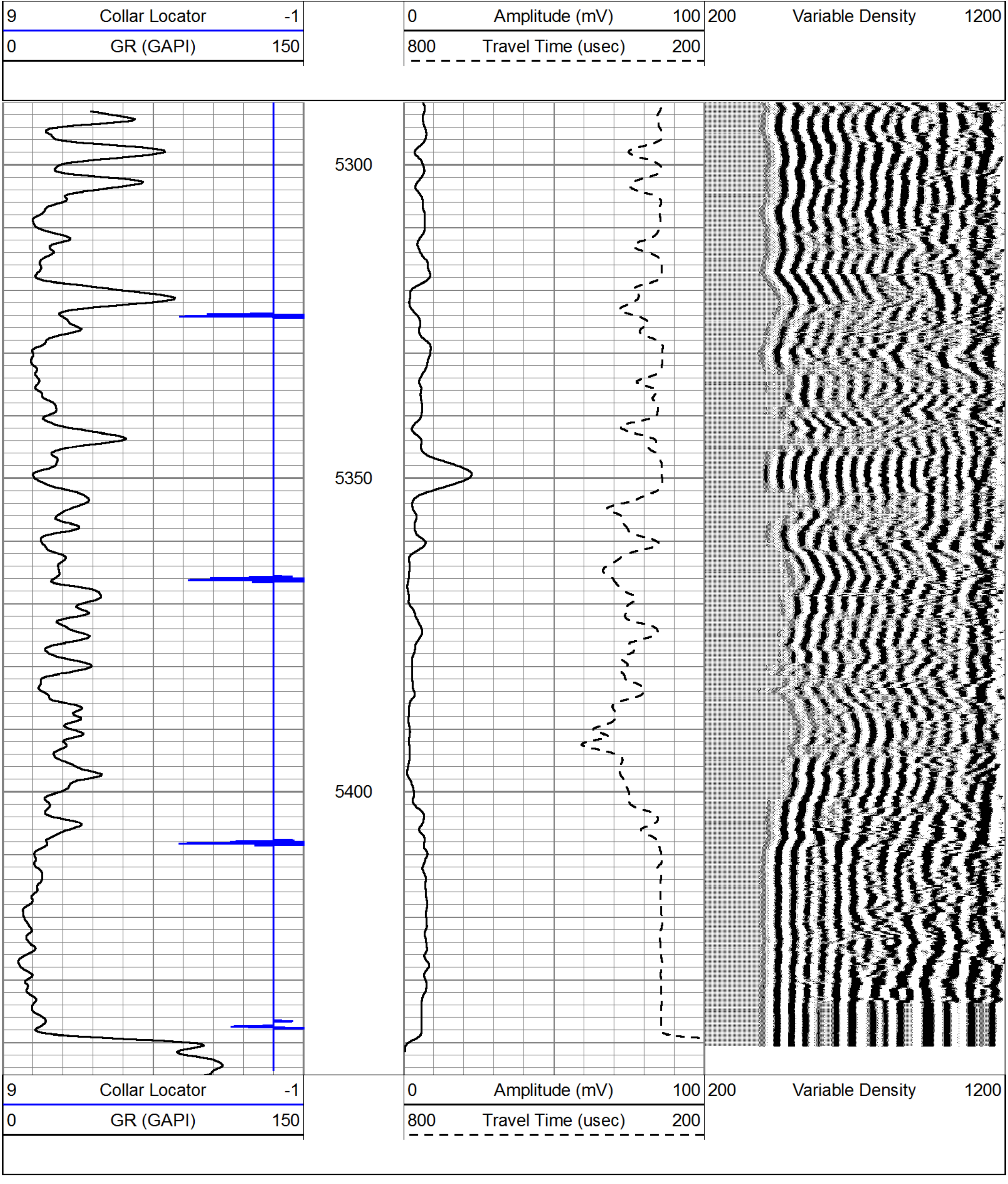




PEAK WIRELINE SERVICES, INC.

REPEAT SECTION

Database File: apcbetty.db
Dataset Pathname: 1-27/run1/pass1
Presentation Format: cbldig
Dataset Creation: Tue Feb 18 09:20:19 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: apcbetty.db
Dataset Pathname: 1-27/run1/pass2
Dataset Creation: Tue Feb 18 09:24:30 2014 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number: 061120GR
Tool Model: PROBE
Performed: Mon Nov 11 11:12:24 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.8000 GAPI/cps

Cement Bond Log Calibration Report

Serial Number: 5.5dig040201
Tool Model: Probe275Digital
Performed: Wed Jan 29 15:33:55 2014

Depth: 11.075 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:	-0.00837402	0.0133057	V
Reading in Free Pipe:	2.39189	2.34788	V
Gain:	29.8596	30.807	
Offset:	0.500045	-0.409907	