PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	MULL DRILLING COMPANY
Well	APC TALLMAN #3-3
Field	
County	KIOWA
State	COLORADO

Company	MULL DRILLING COMPANY		
Well	APC TALLMAN #3-3		
Field			
County	KIOWA	State	COLORADO
Location	1980' FSL & 660' FEL NE/4 & SE/4 SEC 3 TWP 18S RGE 45W	Other Services	
Permanent Datum	GROUND LEVEL	Elevation	3986
Log Measured From	KELLY BUSHING 11' AGL	Elevation	K.B. 3997 D.F. 3995 G.L. 3986
Drilling Measured From	KELLY BUSHING		

Date	10-11-2011	
Run Number	ONE	
Depth Driller	4990	
Depth Logger	4931	
Bottom Logged Interval	4927	2430
Top Log Interval	3400	150
Casing Size	5 1/2	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	3636	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-7	
Location	CHEYENNE WELLS, CO	
Recorded By	LAWRENCE	
Witnessed By	TRACY AKERS	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4	0	349				
TWO	7 7/8	349	4990				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#	0	349
Prot. String				
Production String	5 1/2	14#	0	4990
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.

PORT COLLAR

Database File: apc tallman#3-3.db
Dataset Pathname: 3/run1/pass6.5
Presentation Format: cbldig
Dataset Creation: Wed Oct 12 07:53:11 2011 by Calc Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

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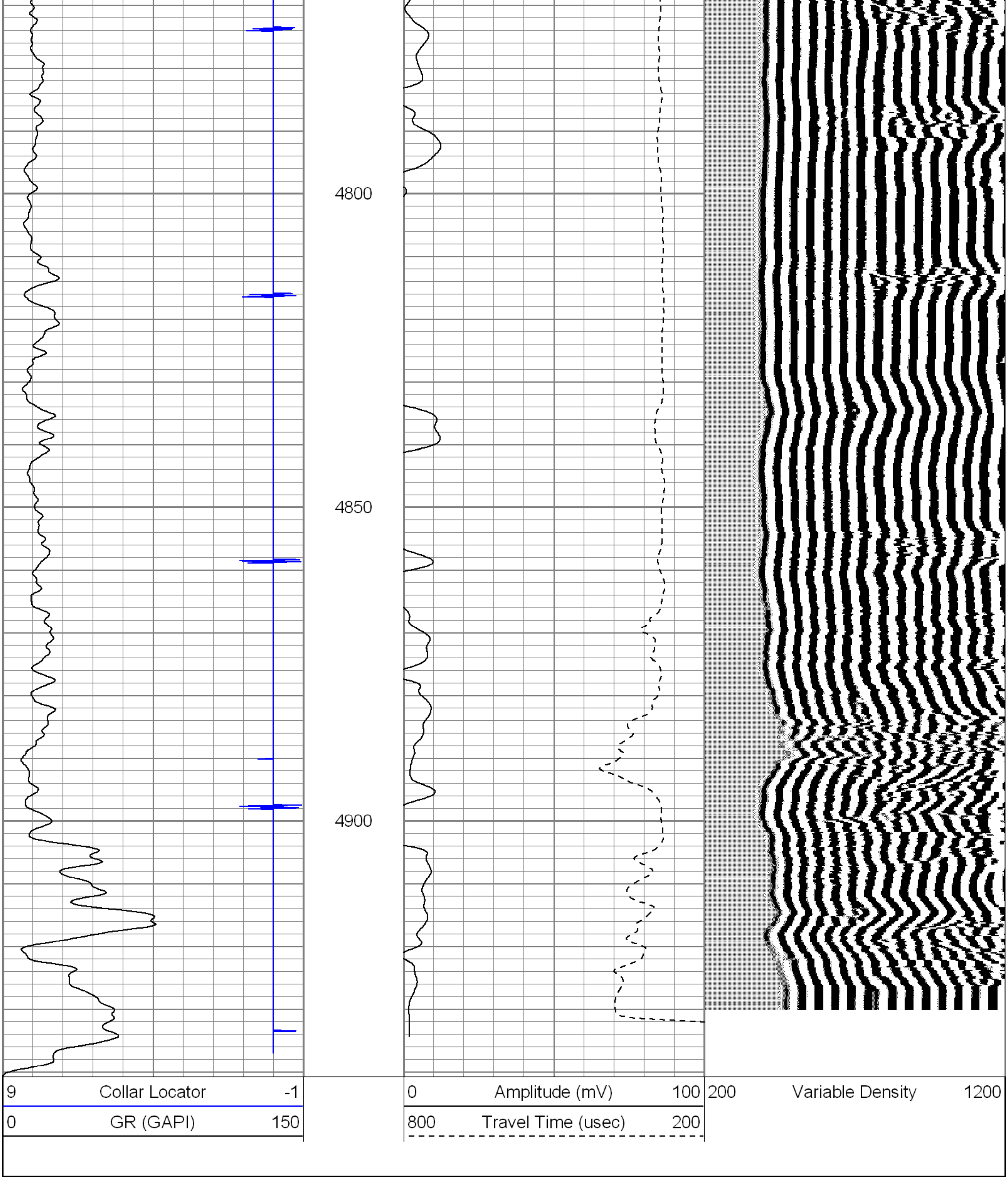
MAIN PASS

Database File: apc tallman#3-3.db
Dataset Pathname: 3/run1/pass2.10
Presentation Format: cbldig
Dataset Creation: Wed Oct 12 07:01:49 2011 by Calc Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



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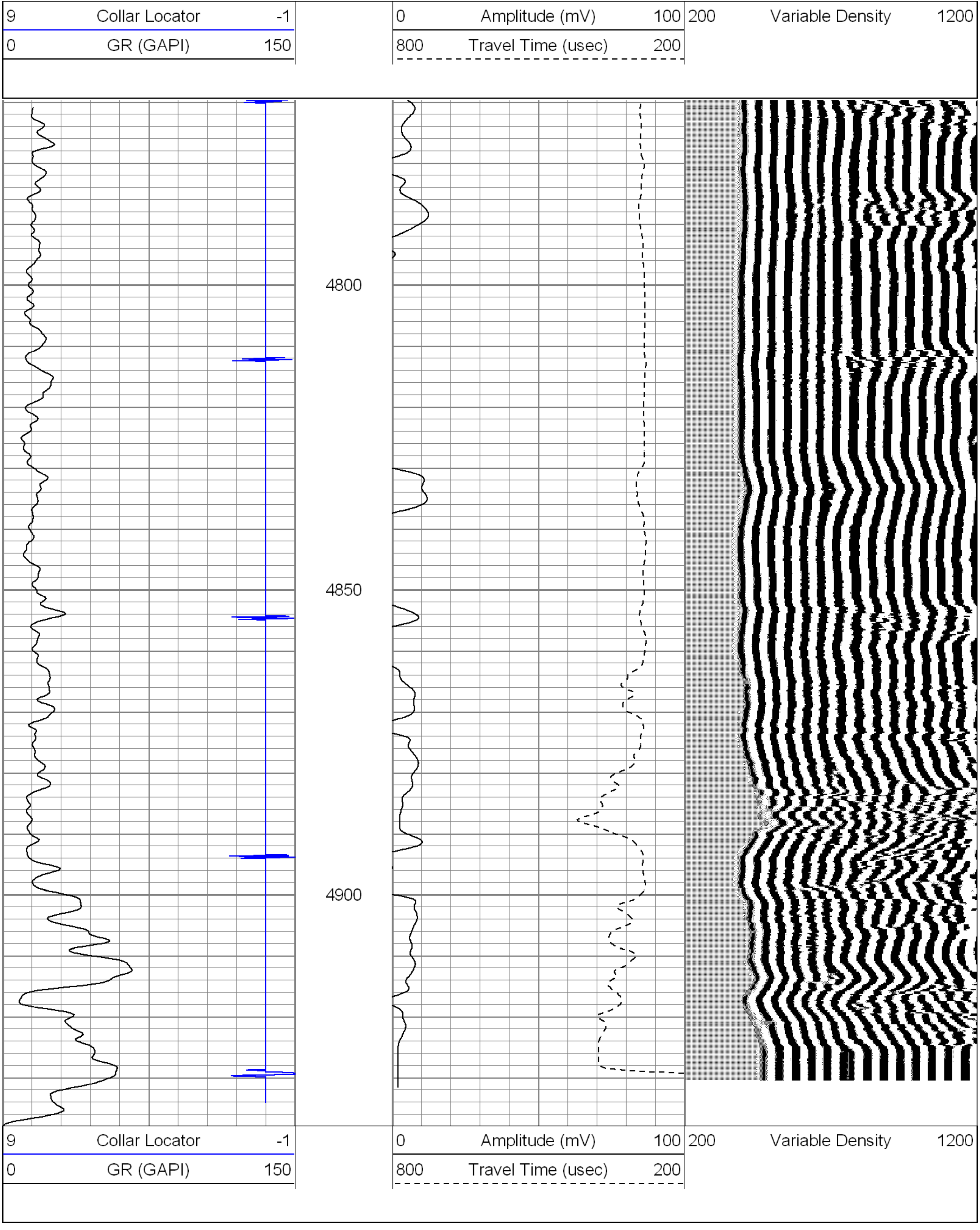
REPEAT SECTION

Database File: apc tallman#3-3.db
Dataset Pathname: 3/run1/pass1.1
Presentation Format: cbldig
Dataset Creation: Wed Oct 12 08:01:09 2011 by Calc Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: apc tallman#3-3.db
Dataset Pathname: 3/run1/pass2
Dataset Creation: Tue Oct 11 15:47:39 2011 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number: 061120GR
Tool Model: PROBE
Performed: Thu Sep 15 08:56:36 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Cement Bond Log Calibration Report

Serial Number: 5.5dig040201
Tool Model: Probe275Digital
Performed: Tue Oct 11 15:45:30 2011

Depth: 2766.13 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:	-0.06	0	V
Reading in Free Pipe:	2.1509	2.15093	V
Gain:	32.5302	33.4372	
Offset:	1.95181	0	