PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company MULL DRILLING COMPANY, INC.
Well #1-20 SIMPSON-MAST UNIT
Field WILDCAT
County NESS
State KANSAS

Company	MULL DRILLING COMAPNY, INC.		
Well	#1-20 SIMPSON-MAST UNIT		
Field	WILDCAT		
County	NESS	State	KANSAS

Location

80' FSL & 1193' FWL
SEC 20 TWP 16S RGE 23W

Other Services

				Elevation
Permanent Datum	GROUND LEVEL	Elevation	2502	K.B. 2507
Log Measured From	KELLY BUSHING 5' AGL			D.F.
Drilling Measured From	KELLY BUSHING			G.L. 2502

Date	3-21-2012		
Run Number	ONE		
Depth Driller	4600		
Depth Logger	4546		
Bottom Logged Interval	4542		
Top Log Interval	3330		
Casing Size	5 1/2"		
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	3480		
Time Well Ready			
Time Logger on Bottom			
Equipment Number	TR-4		
Location	CHEYENNE WELLS, CO.		
Recorded By	HENDERSON		
Witnessed By	KYLE RANDA		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	223				
TWO	7 7/8"	223	4600				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	20#	0	223
Prot. String				
Production String	5 1/2"	14#	0	4600
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

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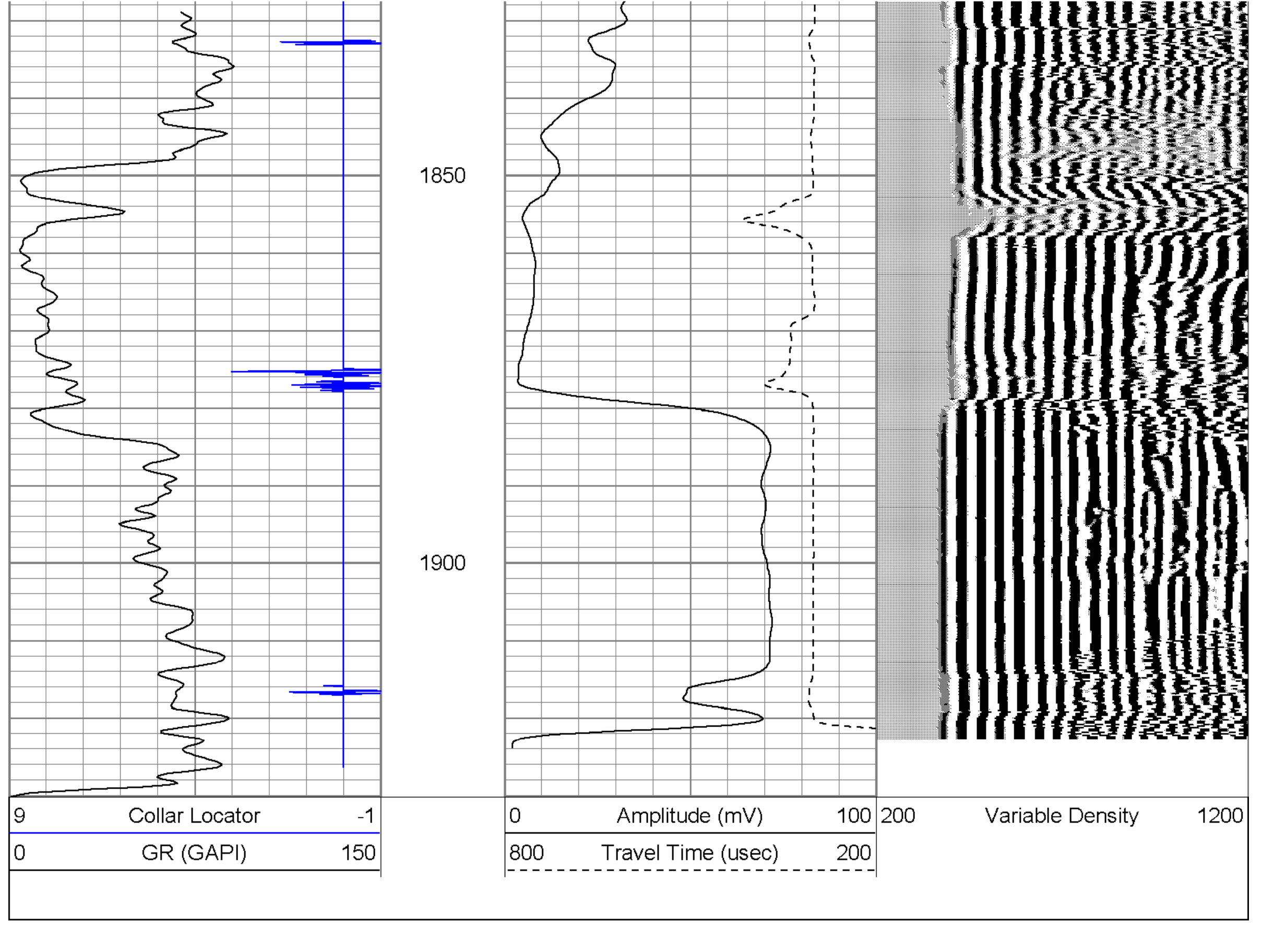
PORT COLLAR

Database File: simpsonmu.db
Dataset Pathname: 120/run1/pass3
Presentation Format: cbldig
Dataset Creation: Wed Mar 21 12:10:36 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



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MAIN PASS

Database File: simpsonmu.db
Dataset Pathname: 120/run1/pass2
Presentation Format: cbldig
Dataset Creation: Wed Mar 21 11:36:50 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

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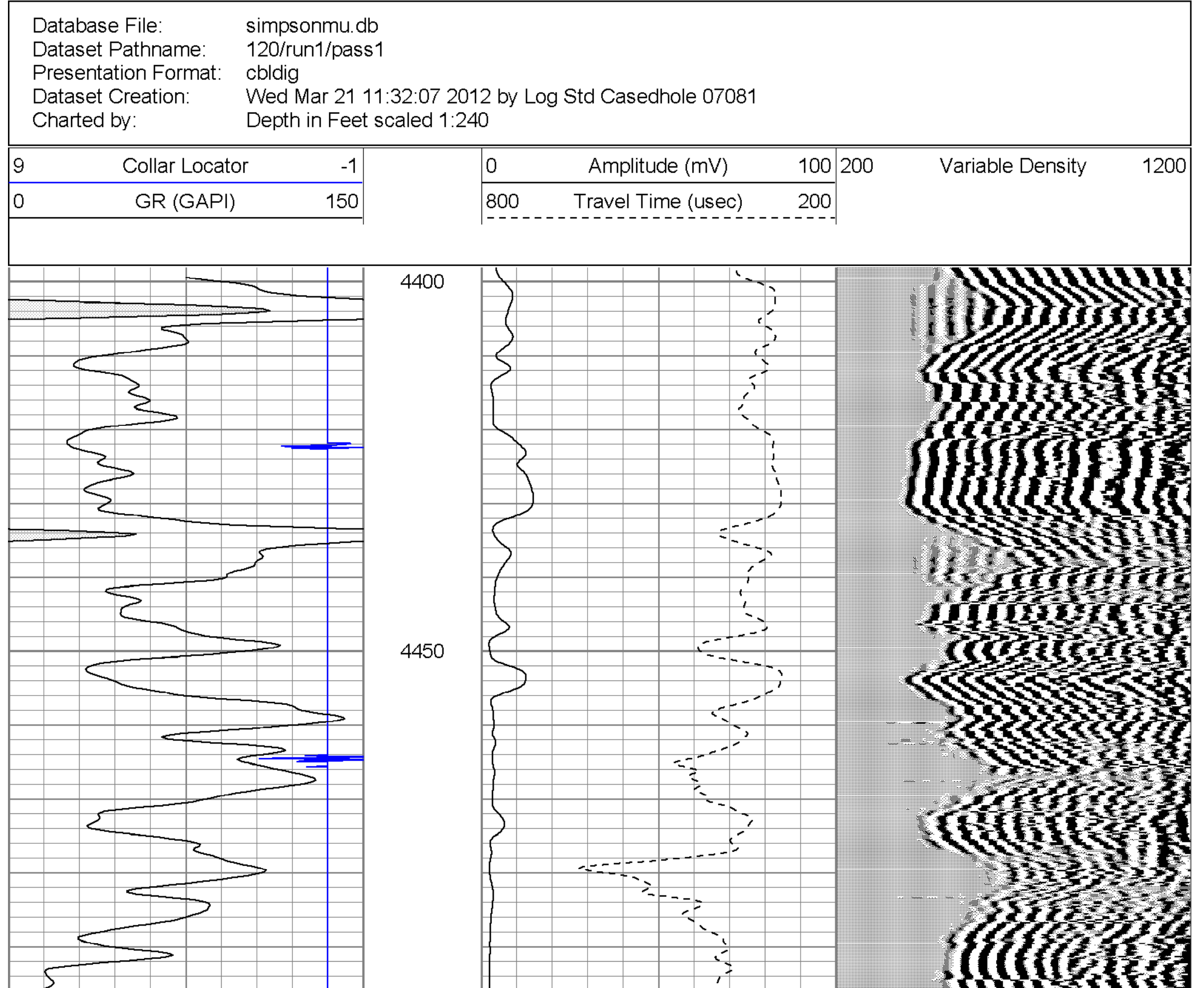
REPEAT SECTION

Database File: simpsonmu.db
Dataset Pathname: 120/run1/pass1
Presentation Format: cbldig
Dataset Creation: Wed Mar 21 11:32:07 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: simpsonmu.db
Dataset Pathname: 120/run1/pass1
Dataset Creation: Wed Mar 21 11:32:07 2012 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Wed Mar 21 11:33:29 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	1.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.2000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Wed Mar 21 11:32:45 2012		
Depth:	0	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	-0.0387646	-0.00102539	V
Reading in Free Pipe:	2.30095	2.31135	V
Gain:	30.3118	31.1026	
Offset:	2.17503	0.0318923	