PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	MULL DRILLING COMPANY, INC.
Well	JETTIE #1-34
Field	CAVALRY
County	KIOWA
State	COLORADO

Company MULL DRILLING COMPANY, INC.
Well JETTIE #1-34
Field CALVALRY
County KIOWA State COLORADO

Location: 658' FNL & 1621' FWL
NE NW
SEC 34 TWP 18S RGE 45W

Other Services

Permanent Datum GROUND LEVEL Elevation 3907
Log Measured From KELLY BUSHING 10' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3917
D.F. 3916
G.L. 3907

Date	5-26-2011	
Run Number	ONE	
Depth Driller	4907	
Depth Logger	4870	2330
Bottom Logged Interval	4866	2330
Top Log Interval	3030	30
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	3170	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-7	
Location	CHEYENNE WELLS, CO	
Recorded By	HENDERSON	
Witnessed By	TRACEY AKERS	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	347				
TWO	7 7/8"	347	4907				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	23#	0	347
Prot. String				
Production String	5 1/2"		0	4898
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:	jettie.db
Dataset Pathname:	1-34/run1/pass3
Presentation Format:	cbldig
Dataset Creation:	Thu May 26 11:14:12 2011 by Log Std Casedhole 07081
Charted by:	Depth in Feet scaled 1:240

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

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

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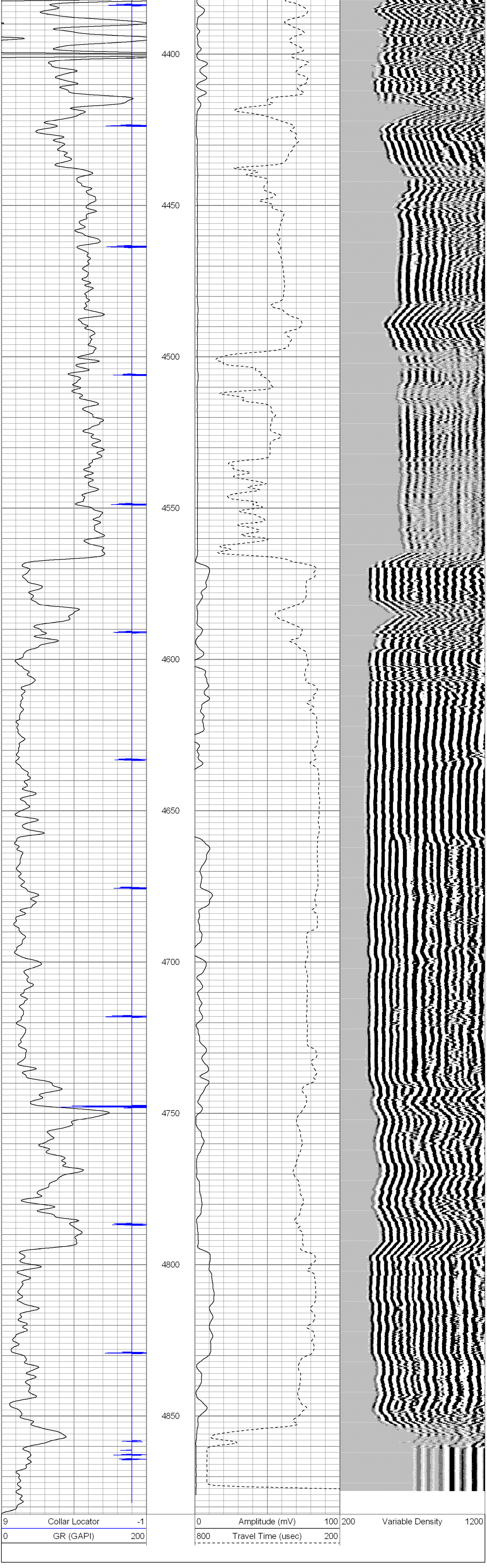
MAIN PASS

Database File:	jettie.db
Dataset Pathname:	1-34/run1/pass2
Presentation Format:	cbldig
Dataset Creation:	Thu May 26 10:33:54 2011 by Log Std Casedhole 07081
Charted by:	Depth in Feet scaled 1:240

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



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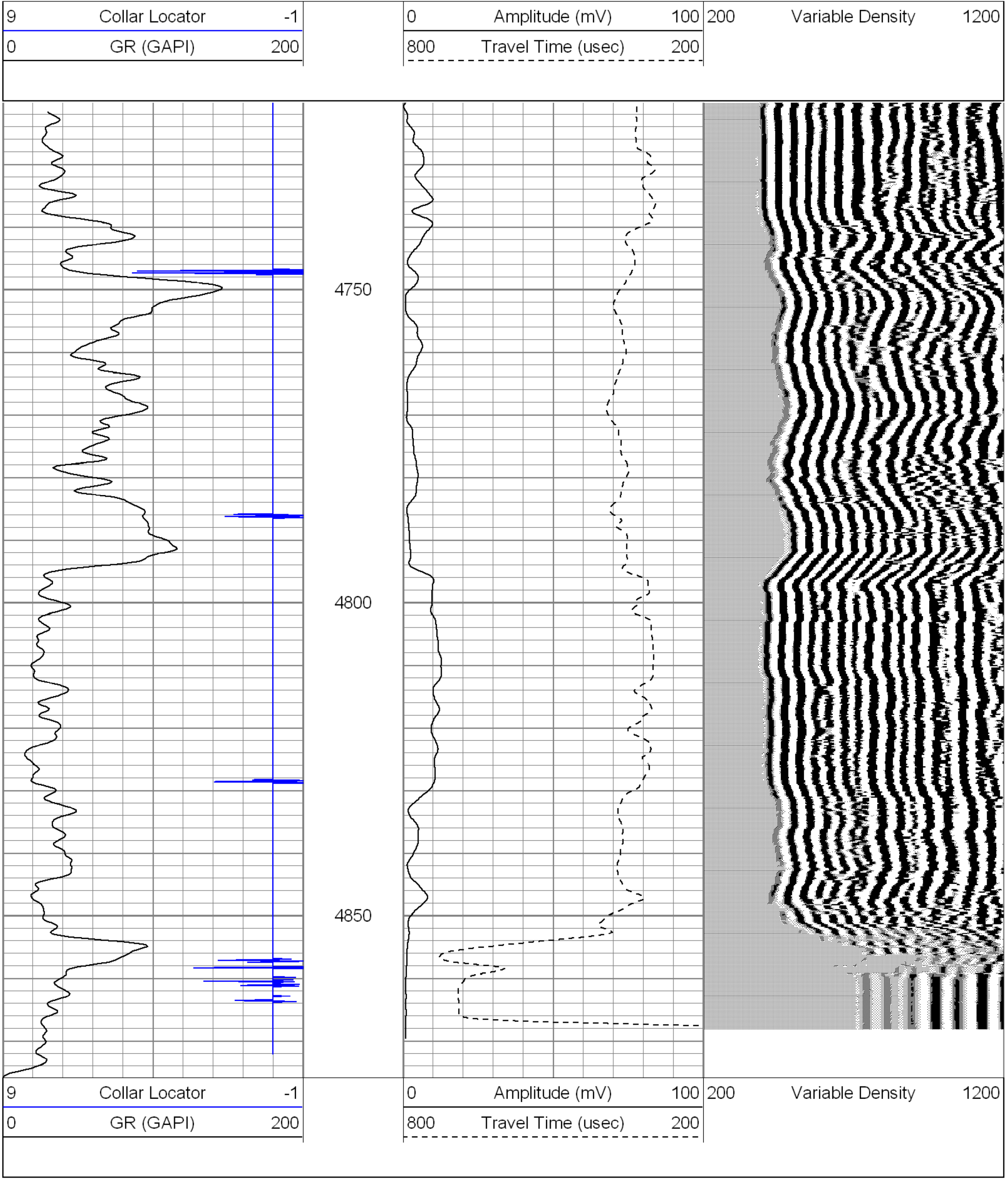
REPEAT SECTION

Database File: jettie.db
Dataset Pathname: 1-34/run1/pass1
Presentation Format: cbldig
Dataset Creation: Thu May 26 10:29:46 2011 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: jettie.db
Dataset Pathname: 1-34/run1/pass1
Dataset Creation: Thu May 26 10:29:46 2011 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Tue May 03 11:14:20 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Thu May 26 10:26:43 2011		
Depth:	2550.52	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:	-0.0235	0	V
Reading in Free Pipe:	1.86104	1.89333	V
Gain:	38.1637	37.9864	
Offset:	0.896847	0	