PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company MULL DRILLING COMPANY, INC.
Well McBRIDE-MICHELL "A" #1-31
Field
County KIOWA
State COLORADO

Company MULL DRILLING COMPANY, INC.
Well McBRIDE-MICHEL "A" #1-31
Field
County KIOWA State COLORADO
Location 605' FNL & 2400' FEL
NW/4 NE/4
SEC 31 TWP 18S RGE 45W
Other Services

Permanent Datum GROUND LEVEL Elevation 3904
Log Measured From KELLY BUSHING 11' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 3915
D.F. 3913
G.L. 3904

Date	3-5-2012	
Run Number	ONE	
Depth Driller	4918	
Depth Logger	4753	
Bottom Logged Interval	4749	2350
Top Log Interval	3000	2350
Casing Size	4 1/2"	80
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top		
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	355				
TWO	7 7/8"	355	4918				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	23#	0	355
Prot. String				
Production String	4 1/2"	11.6#	0	4800
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: mcbridemichell.db
Dataset Pathname: A1-31/run1/pass4
Presentation Format: cbldig
Dataset Creation: Mon Mar 05 11:53:00 2012 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	

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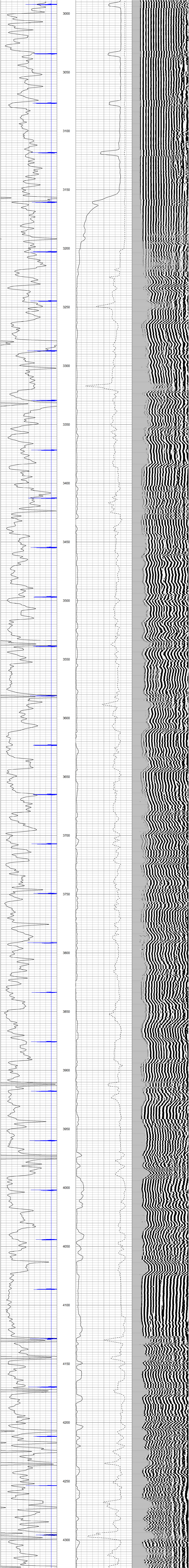
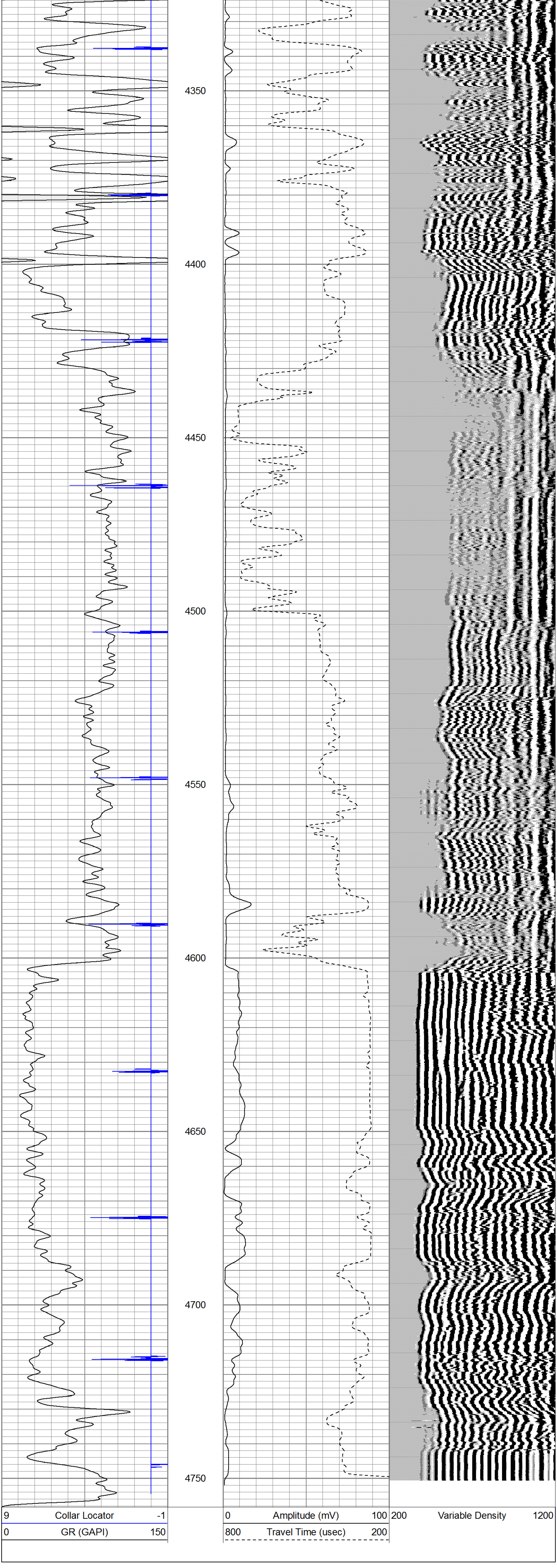
MAIN PASS

Database File: mcbridemichell.db
Dataset Pathname: A1-31/run1/pass3
Presentation Format: cbldig
Dataset Creation: Mon Mar 05 10:57:56 2012 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	





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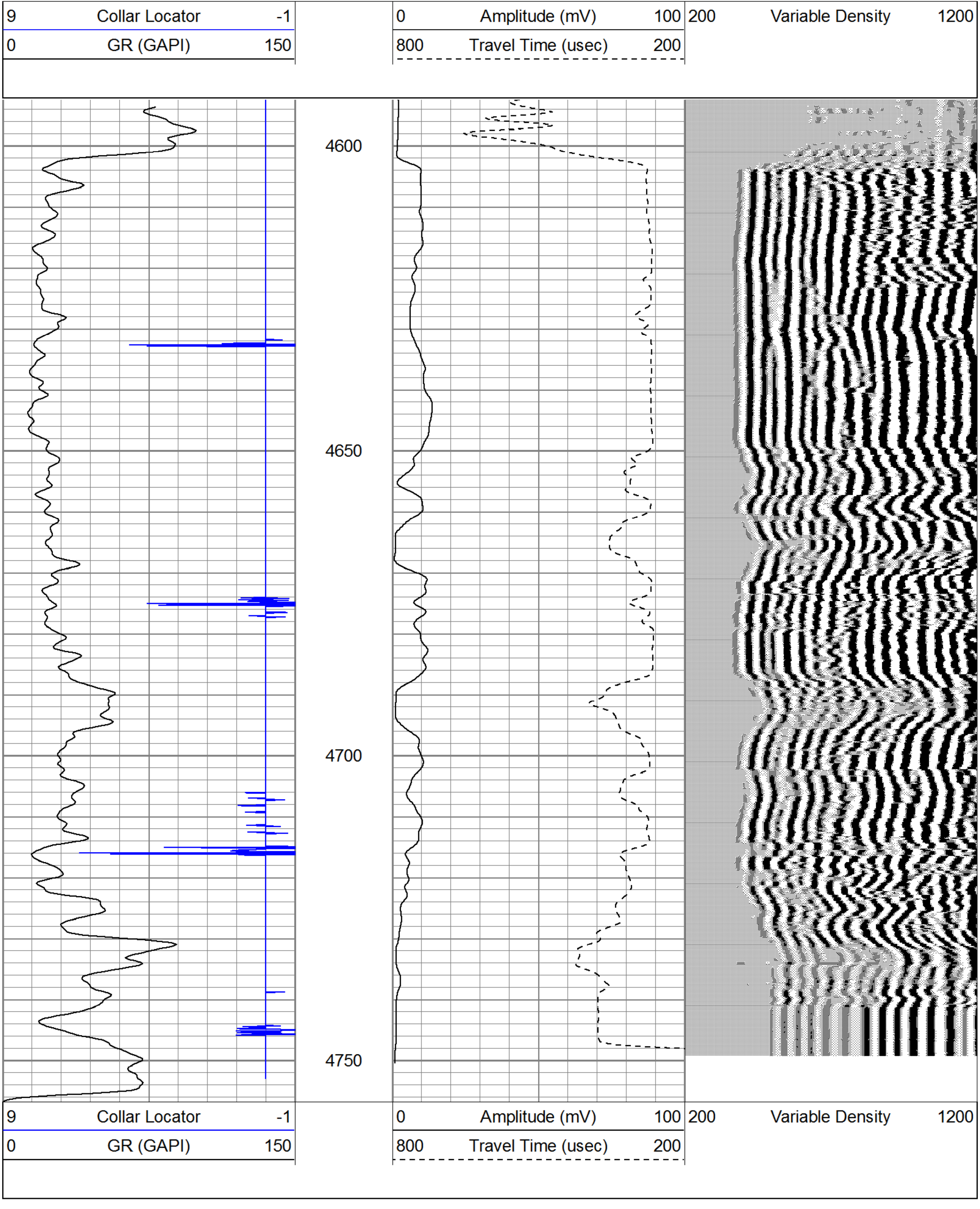
REPEAT SECTION

Database File: mcbridemichell.db
Dataset Pathname: A1-31/run1/pass2
Presentation Format: cbldig
Dataset Creation: Mon Mar 05 10:51:12 2012 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: mcbridemichell.db
Dataset Pathname: A1-31/run1/pass3
Dataset Creation: Mon Mar 05 10:57:56 2012 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Mon Mar 05 11:02:34 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	1.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Mon Mar 05 10:43:53 2012		
Depth:	735.633	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.5	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.0118652	0.144141	V
Reading in Free Pipe:	2.37878	2.28613	V
Gain:	33.7549	37.9068	
Offset:	0.900509	-5.46391	