PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	MULL DRILLING COMPANY, INC,
Well	GERWECK #1-4
Field	CHEYENNE WELLS
County	CHEYENNE
State	COLORADO

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Well GERWECK #1-4
Field CHEYENNE WELLS
County CHEYENNE State COLORADO

Location:
660' FNL & 660' FWL
SEC 4 TWP 14S RGE 44W

Other Services

Permanent Datum GROUND LEVE Elevation 4261
Log Measured From KELLY BUSHING 11' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4272
D.F. 4270
G.L. 4261

Date	12-12-2013		
Run Number	ONE		
Depth Driller	5500		
Depth Logger	5474	3180	
Bottom Logged Interval	5470	550	
Top Log Interval	3600		
Casing Size	5 1/2"		
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	BILL STUTZ		

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	486				
TWO	12 1/4"	486	1733				
THREE	7 7/8"	1733	5500				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	48#	0	486
Prot. String	8 5/8"	24#	0	1733
Production String	5 1/2"	15.5#	0	5498.5
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

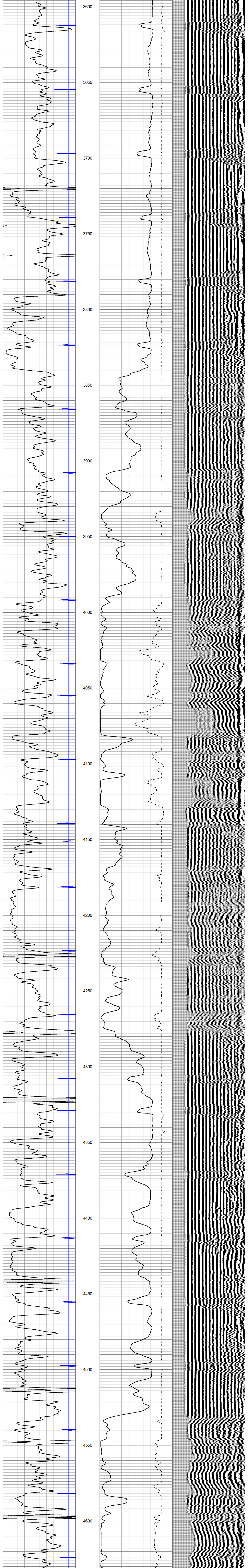
Database File: gerweck.db
Dataset Pathname: 1-4/run1/pass3
Presentation Format: cbldig
Dataset Creation: Thu Dec 12 09:21:52 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

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

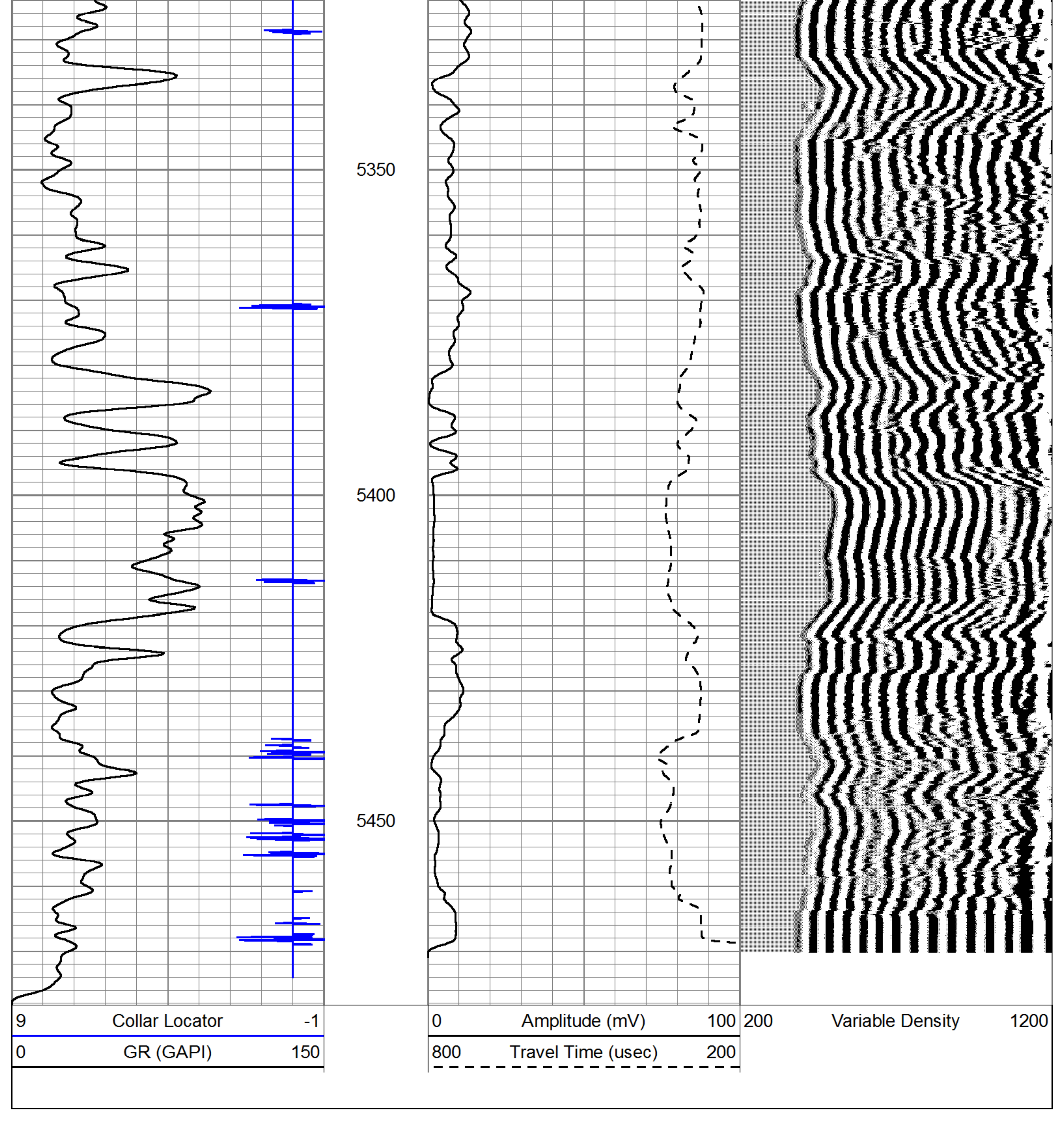
9 Collar Locator -1	0 Amplitude (mV) 100	200 Variable Density 1200
0 GR (GAPI) 150	800 Travel Time (usec) 200	

Database File: gerweck.db
Dataset Pathname: 1-4/run1/pass5
Presentation Format: cbldig
Dataset Creation: Fri Dec 20 15:37:00 2013 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	



Database File: gerweck.db
Dataset Pathname: 1-4/run1/pass1
Presentation Format: cbldig
Dataset Creation: Thu Dec 12 08:47:01 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: gerweck.db
Dataset Pathname: 1-4/run1/pass2
Dataset Creation: Thu Dec 12 08:51:39 2013 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:	Thu Dec 12 08:49:56 2013			
Depth:	3261.5	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:	-0.0088623		0.0141357	V
Reading in Free Pipe:	2.30048		2.18564	V
Gain:	31.0352		33.1203	
Offset:	0.525044		-0.46818	