PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company GRAND MESA OPERATING, INC.
Well RIO LOBO #1-30
Field WILDCAT
County WASHINGTON
State COLORADO

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Location
2474' FNL & 610' FWL
SEC 30 TWP 5S RGE 53W

Other Services

Permanent Datum GROUND LEVEL Elevation 5138
Log Measured From KELLY BUSHING 19' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5157
D.F. 5157
G.L. 5138

Date	7-18-2017		
Run Number	ONE		
Depth Driller	8099		
Depth Logger	7971	5300	
Bottom Logged Interval	7967	3790	
Top Log Interval	5630		
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	JOHN JOHNSON		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	386				
TWO	7 7/8"	386	8099				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	386
Prot. String				
Production String	5 1/2"	17#	0	8025
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: riolobo 1-30.db
Dataset Pathname: pass3
Presentation Format: cbldig
Dataset Creation: Tue Jul 18 17:16:59 2017 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

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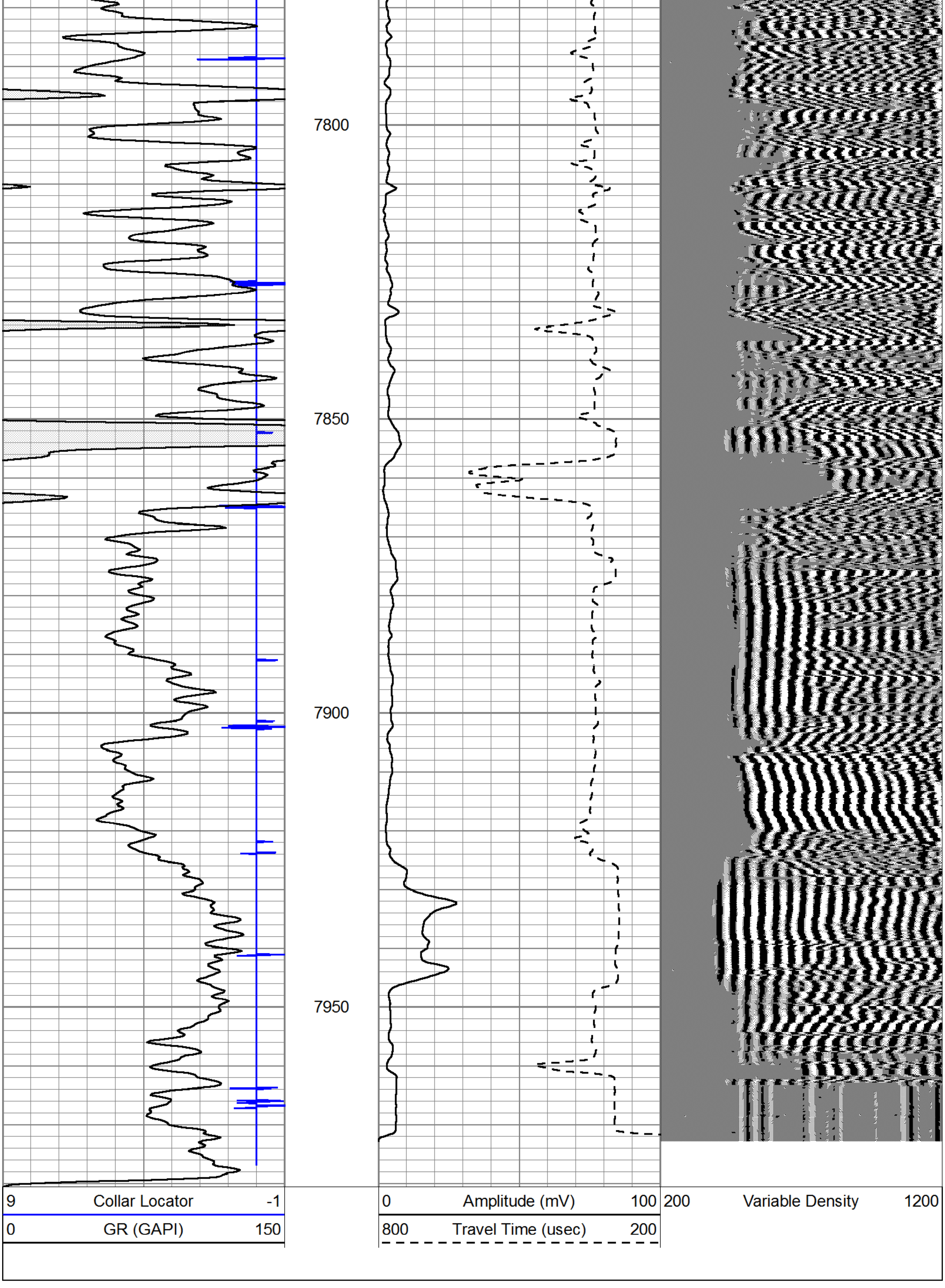
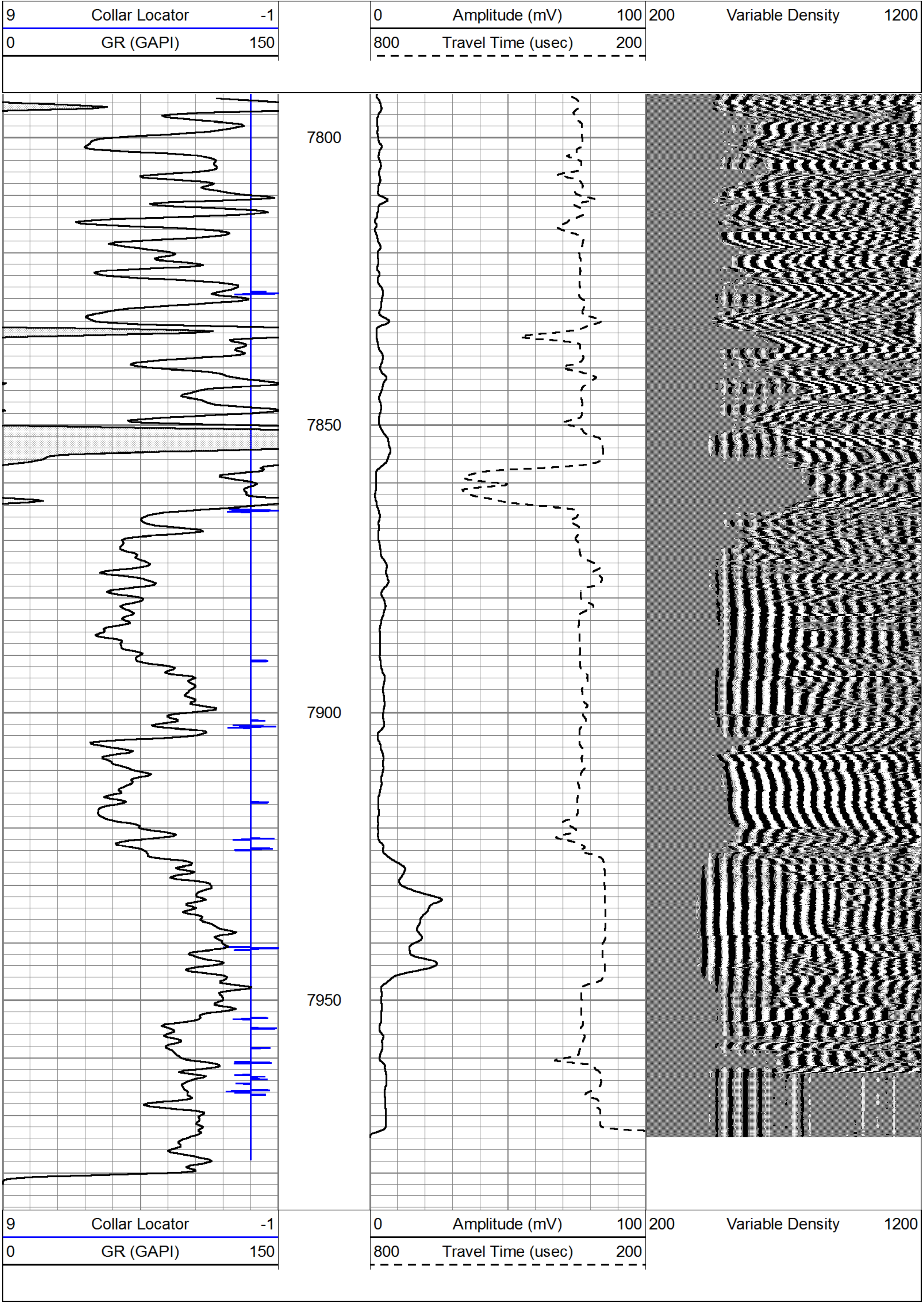
MAIN PASS

Database File: riolobo 1-30.db
Dataset Pathname: pass2
Presentation Format: cbldig
Dataset Creation: Tue Jul 18 16:23:15 2017 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Database File: riolobo 1-30.db
Dataset Pathname: pass1
Presentation Format: cbldig
Dataset Creation: Tue Jul 18 16:17:32 2017 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: riolobo 1-30.db
Dataset Pathname: pass2
Dataset Creation: Tue Jul 18 16:23:15 2017 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Fri May 19 14:59:06 2017	
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:	Tue Jul 18 13:40:24 2017		
Depth:	1784.87	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:	0.0137207	0.0161865	V
Reading in Free Pipe:	2.01567	1.95522	V
Gain:	35.8005	37.0911	
Offset:	-0.241209	-0.600375	