PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	GRAND MESA OPERATING CO.
Well	BUZZ'S BOAT #14
Field	WILDCAT
County	WASHINGTON
State	COLORADO

Country USA

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Well BUZZ'S BOAT #14
Field WILDCAT
County WASHINGTON Country USA
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Location: API # : 05-121-11053

620' FSL & 2262' FWL

SEC 24 TWP 5S RGE 54W

Other Services

Permanent Datum GROUND LEVEL Elevation 5152
Log Measured From KELLY BUSHING 19' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5171
D.F. 5169
G.L. 5152

Date	12-1-2016
Run Number	ONE
Depth Driller	8254
Depth Logger	8184
Bottom Logged Interval	8180
Top Log Interval	3900
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	4034
Time Well Ready	
Time Logger on Bottom	
Equipment Number	TR-7
Location	CHEYENNE WELLS, CO
Recorded By	HENDERSON
Witnessed By	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	330				
TWO	7 7/8"	330	8254				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	330
Prot. String				
Production String	5 1/2"	17#	0	8254
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.

MAIN PASS

Database File: grandmesa.db
Dataset Pathname: BUZZSBOAT/run1/pass3.1
Presentation Format: cbldig
Dataset Creation: Thu Dec 01 10:18:28 2016
Charted by: Depth in Feet scaled 1:240

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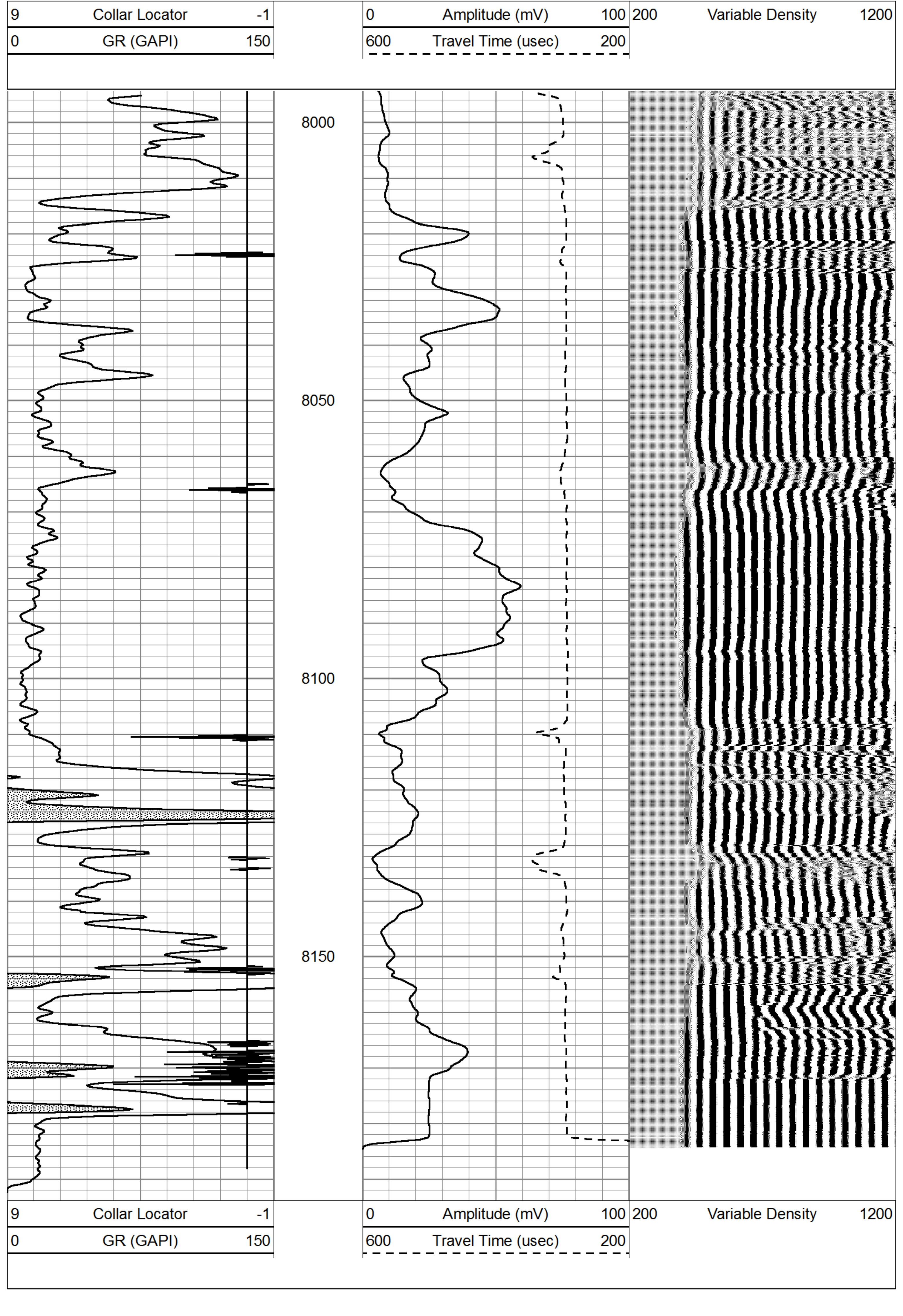
REPEAT SECTION

Database File:	grandmesa.db
Dataset Pathname:	BUZZSBOAT/run1/pass2
Presentation Format:	cbldig
Dataset Creation:	Thu Dec 01 08:43:00 2016 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240



Calibration Report

Database File:	grandmesa.db
Dataset Pathname:	BUZZSBOAT/run1/pass2
Dataset Creation:	Thu Dec 01 08:43:00 2016 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Thu Oct 13 14:22:24 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	85.8	cps
Sensitivity:	1.2000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Thu Dec 01 08:22:32 2016		
Depth:	919.594	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:	0.00170898	0.00371094	V
Reading in Free Pipe:	1.83733	1.8531	V
Gain:	39.0446	38.889	
Offset:	0.183274	-0.144315	