PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company RESOURCE DEVELOPMENT
Well NININGER #11-1-1645
Field
County CHEYENNE
State COLORADO

Company	RESOURCE DEVELOPMENT
Well	NININGER #11-1-1645
Field	
County	CHEYENNE
State	COLORADO
Location	600' FNL & 600' FWL SEC 1 TWP 16S RGE 45W
Other Services	
Permanent Datum	GROUND LEVEL
Elevation	4345
Log Measured From	KELLY BUSHING 11' AGL
Drilling Measured From	KELLY BUSHING
Elevation K.B.	4356
D.F.	4354
G.L.	4345

Date	10-29-2013	
Run Number	ONE	
Depth Driller	5590	
Depth Logger	5526	
Bottom Logged Interval	5522	3050
Top Log Interval	3400	30
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	3630	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-7	
Location	CHEYENNE WELLS, CO	
Recorded By	HENDERSON	
Witnessed By	TOM BOWMAN	

Borehole Record

Run Number	Bit	From	To
ONE	12 1/4"	0	681
TWO	7 7/8"	681	5590

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	681
Prot. String				
Production String	5 1/2"	15.5#	0	5583
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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D V TOOL

Database File: rdt.db
Dataset Pathname: NINIGER11/run1/pass3
Presentation Format: cbldig
Dataset Creation: Tue Oct 29 09:39:50 2013 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200 Variable Density 1200
0	GR (GAPI)	150	600	Travel Time (usec)	200	

9	Collar Locator	-1	0	Amplitude (mV)	100	200 Variable Density 1200
0	GR (GAPI)	150	600	Travel Time (usec)	200	

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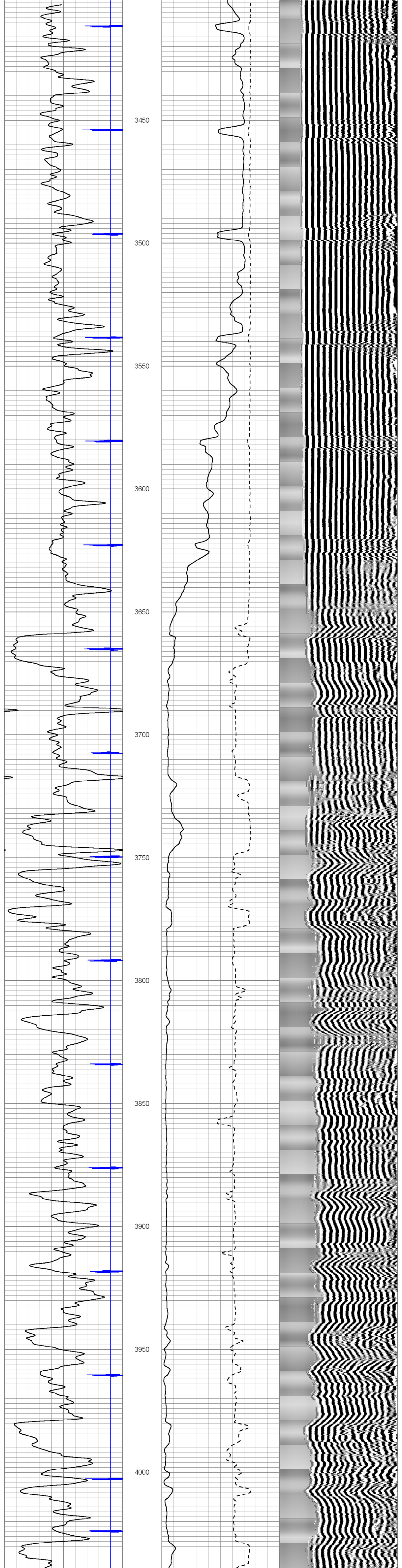
MAIN PASS

Database File: rdt.db
Dataset Pathname: NINIGER11/run1/pass2
Presentation Format: cbldig
Dataset Creation: Tue Oct 29 08:55:05 2013 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100	200 Variable Density 1200
0	GR (GAPI)	150	600	Travel Time (usec)	200	



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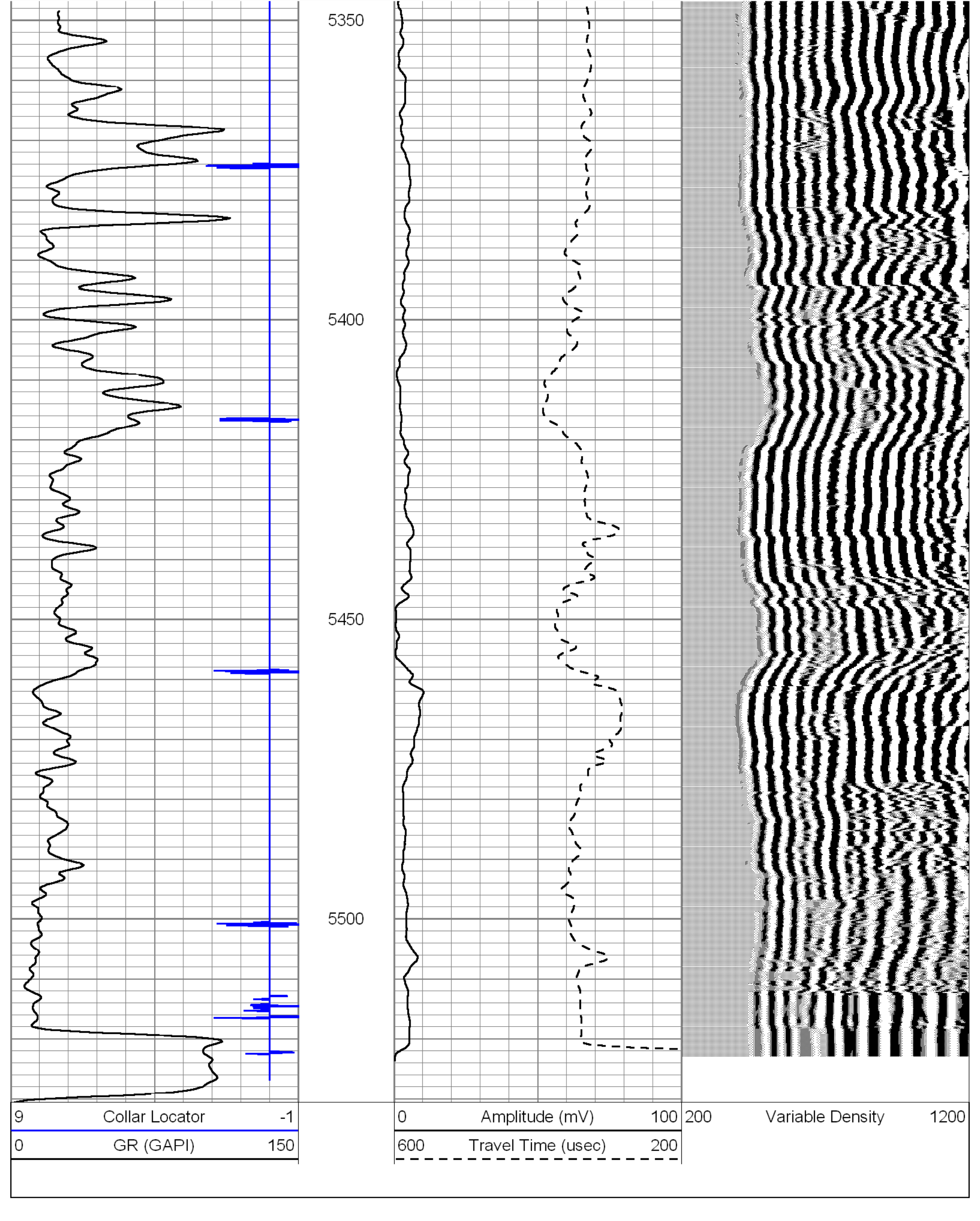
REPEAT SECTION

Database File: rdt.db
Dataset Pathname: NINIGER11/run1/pass1
Presentation Format: cbldig
Dataset Creation: Tue Oct 29 08:50:04 2013 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: rdt.db
Dataset Pathname: NINIGER11/run1/pass2
Dataset Creation: Tue Oct 29 08:55:05 2013 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Wed Oct 16 16:11:21 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Tue Oct 29 08:54:32 2013		
Depth:	11	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.5	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	-0.0255908	0.00737305	V
Reading in Free Pipe:	1.92256	1.87808	V
Gain:	36.6609	38.446	
Offset:	1.43818	-0.283464	