PEAK WIRELINE SERVICES, INC.

DUAL SPACED CEMENT BOND LOG

Company	CRUSADER ENERGY GROUP LLC
Well	GIBSON
Field	WALSH
County	BACA
State	COLORADO

Company CRUSADER ENERGY GROUP LLC
Well GIBSON 1-25
Field WALSH
County BACA State COLORADO

Location
1232' FNL & 1322' FEL
SEC 25 TWP 32S RGE 43W

Other Services

Permanent Datum	GROUND LEVEL	Elevation 3867	Elevation
Log Measured From	KELLY BUSHING 11' AGL		K.B. 3878
Drilling Measured From	KELLY BUSHING		D.F.
			G.L. 3867

Date	4-24-08
Run Number	ONE
Depth Driller	3420
Depth Logger	3435
Bottom Logged Interval	3434
Top Log Interval	2100
Casing Size	4 1/2"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	2216
Time Well Ready	
Time Logger on Bottom	
Equipment Number	TR-7
Location	CHEYENNE WELLS, CO.
Recorded By	HENDERSON
Witnessed By	DON BUSBY

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	17 1/2"	0	861				
TWO	7 7/8"	861	3420				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	36#	0	861
Prot. String				
Production String	4 1/2"	10.5#	0	3420
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: crusader.db
Dataset Pathname: GIBSON1-2/run1/pass2
Presentation Format: cbl_dr
Dataset Creation: Thu Apr 24 13:36:59 2008 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240

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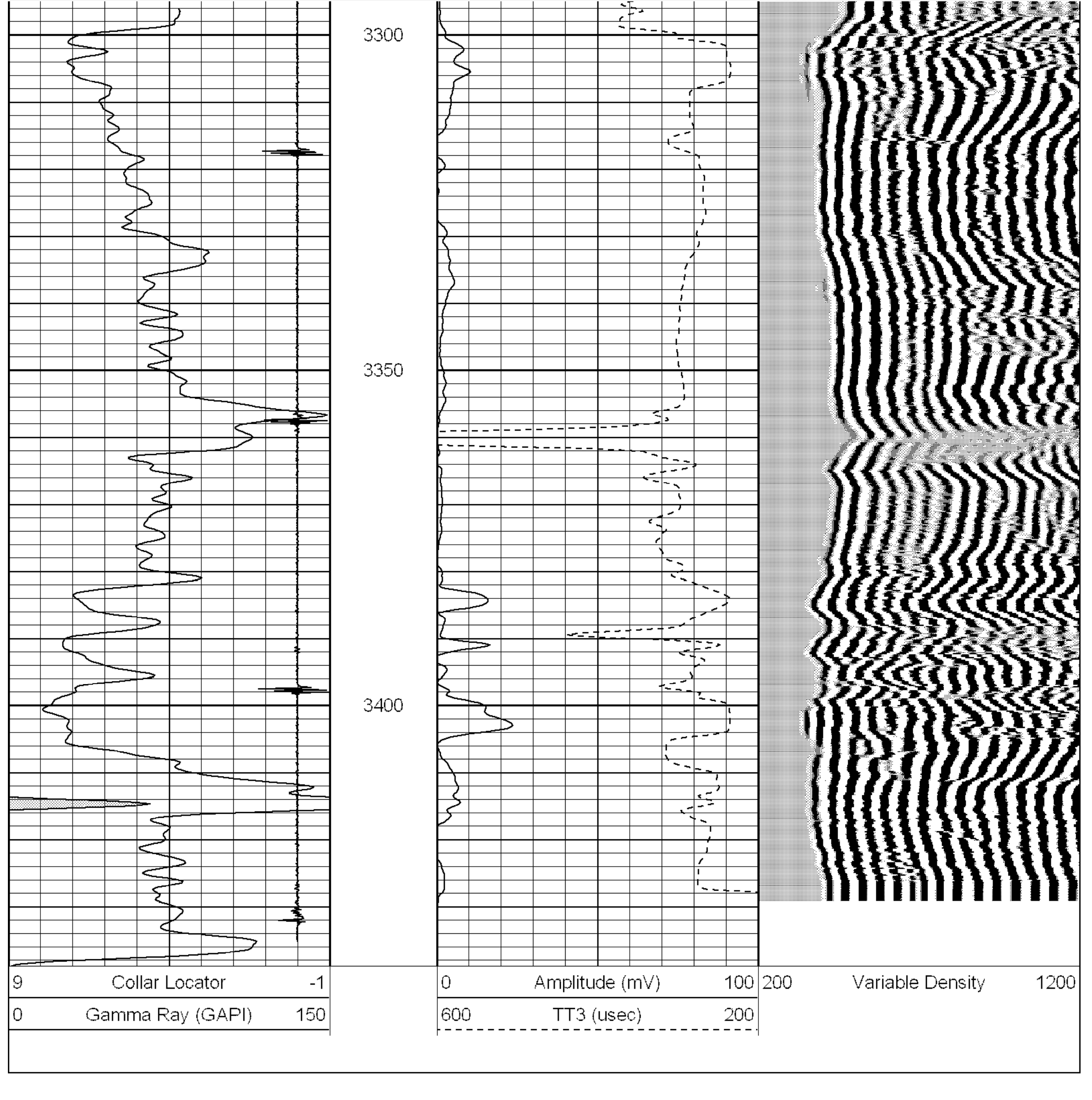
REPEAT SECTION

Database File: crusader.db
Dataset Pathname: GIBSON1-2/run1/pass1
Presentation Format: cbl_dr
Dataset Creation: Thu Apr 24 13:32:32 2008 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: crusader.db
Dataset Pathname: GIBSON1-2/run1/pass1
Dataset Creation: Thu Apr 24 13:32:32 2008 by Log Std Casedhole 07081

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Tue Apr 08 16:20:31 2008	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	602		
Tool Model:	Pengo		
Performed:	Thu Apr 24 13:30:25 2008		
Depth:	1697.49	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0111328	0.000854492	V
Reading in Free Pipe:	1.7085	1.66646	V
Gain:	47.2473	48.7488	
Offset:	0.474005	-0.0416555	