SUPERIOR WELL SERVICES

CEMENT BOND LOG
GAMMA RAY C C L
V D L

Company	Petro Canada Resources (USA) Inc
Well	FABRIZIUS 33-14
Field	Grover
County	Weld
State	Colorado

Company Petro Canada Resources (USA) Inc
Well FABRIZIUS 33-14
Field Grover
County Weld State Colorado
Location: API #: 05123303240O
1980' FNL & 660' FEL
SE NE
SEC 33 TWP 11N RGE 61W

Other Services
PERFORATE

Permanent Datum	GL	Elevation	5095	Elevation
Log Measured From	KB			K.B. 5107
Drilling Measured From	KB			D.F. 5106
				G.L. 5095

Date	October 15, 2009		DV TOOL: 7106
Run Number	One		
Depth Driller	7689		
Depth Logger	7641		
Bottom Logged Interval	7640		
Top Log Interval	Surface		
Casing Size	5 1/2"		
Type Fluid	Water	Full	
Density / Viscosity	Not Recorded		
Max. Recorded Temp.	241 deg F		
Estimated Cement Top	Surface		
Time Well Ready	Mast Truck		
Time Logger on Bottom	AM		
Equipment Number	T5 (3344)	2.75 Tool 1 (BLK)	
Location	Platteville, CO		
Recorded By	K. Monaghan		
Witnessed By	E. Zwaagstra	R. Williams	

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5 1/2"		Surface	TD
Liner				

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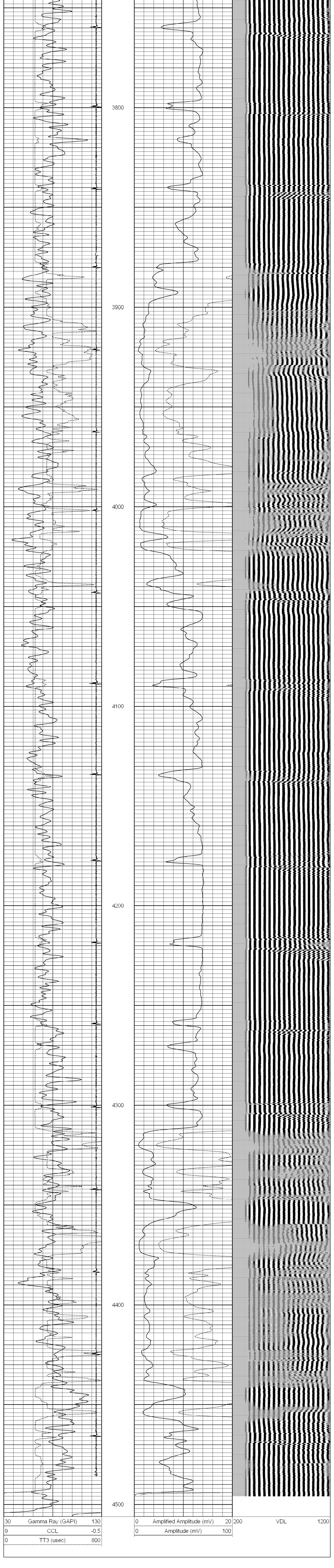
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Thank You or Choosing Superior Well Services!!!
API# 05-123-30324-00
Correlated to Phoenix Survey Inc's
Compensated Neutron / Compensated Density
Gamma Ray Microlog
Dated: October 1, 2009
Directions: 122 & 89, E 9/10 , N 1/2 , W 1/10 into

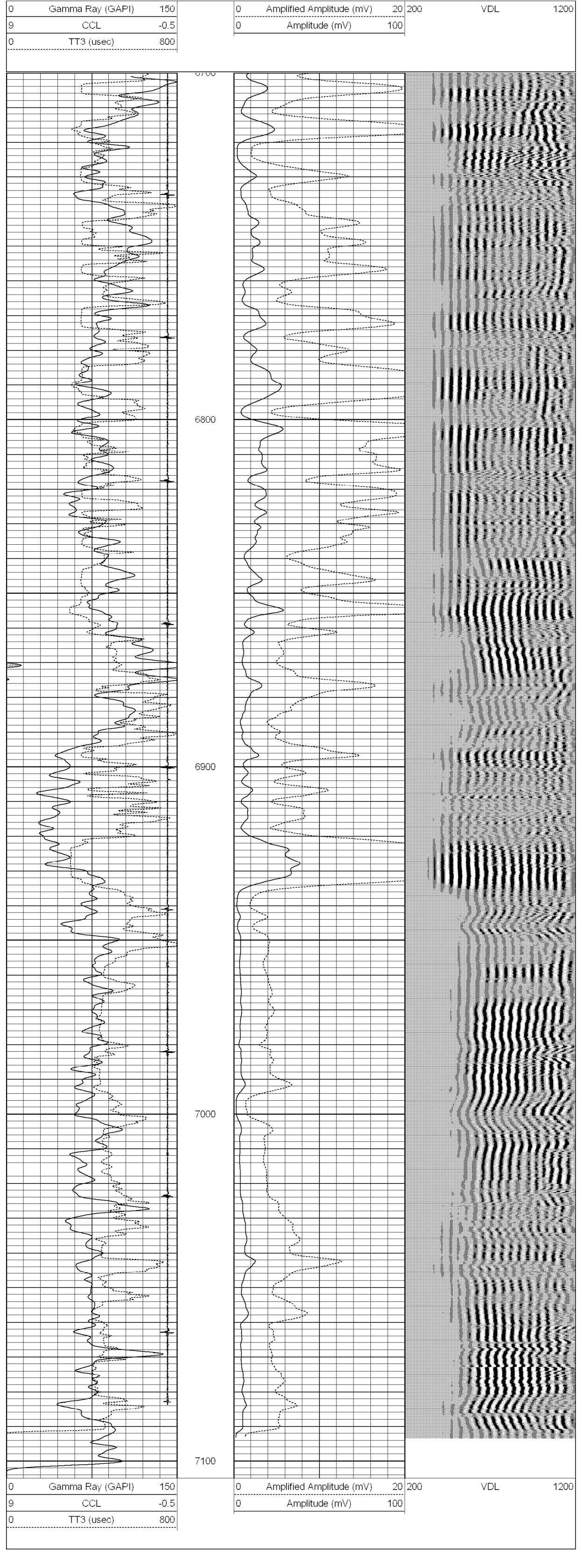
Database File:	cblfabrizius 33-14.db
Dataset Pathname:	pass5
Presentation Format:	nuexbond
Dataset Creation:	Thu Oct 15 11:09:39 2009 by Log Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240

30	Gamma Ray (GAPI)	130	0	Amplified Amplitude (mV)	20	200 VDL 1200
9	CCL	-0.5	0	Amplitude (mV)	100	
0	TT3 (usec)	800				

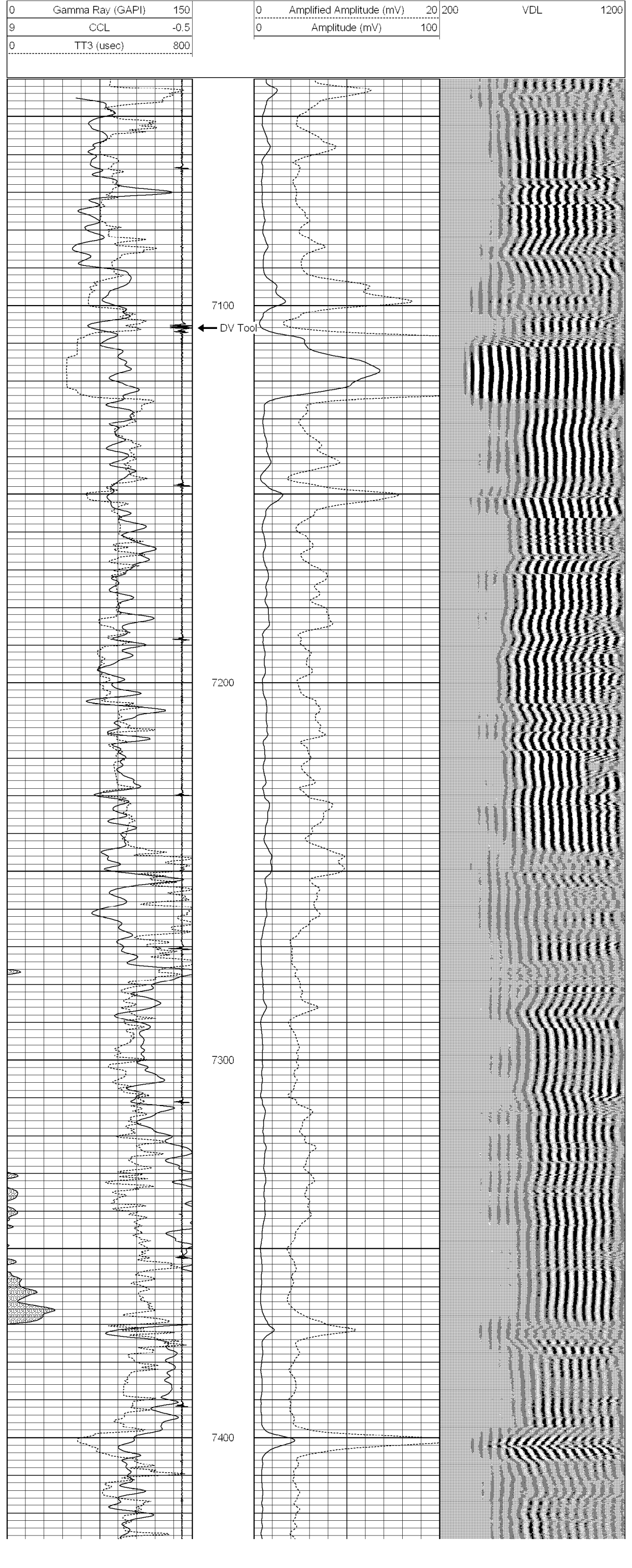


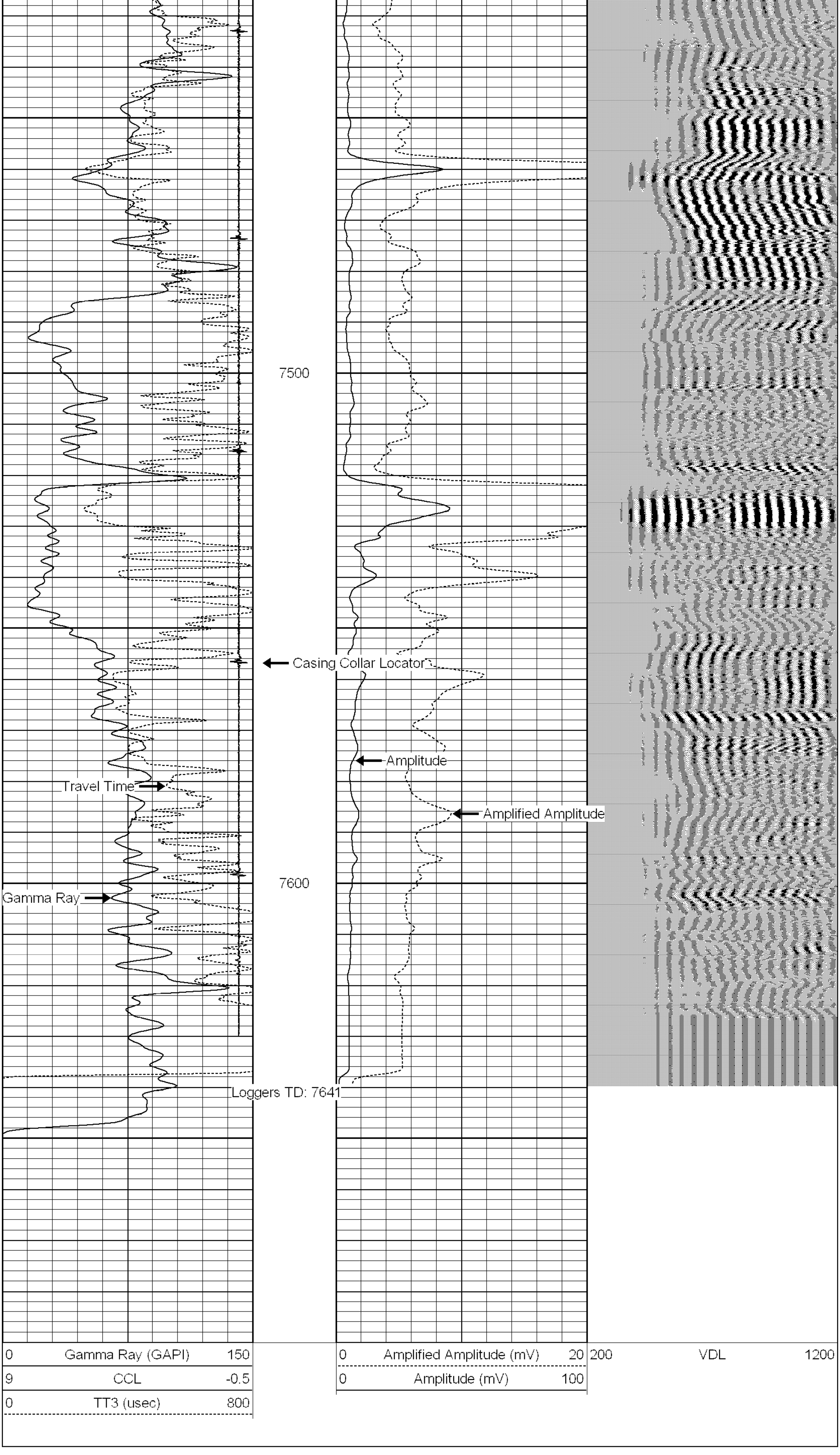
Database File: cblfabrizius 33-14.db
Dataset Pathname: pass4
Presentation Format: nuexbond
Dataset Creation: Thu Oct 15 10:51:01 2009 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

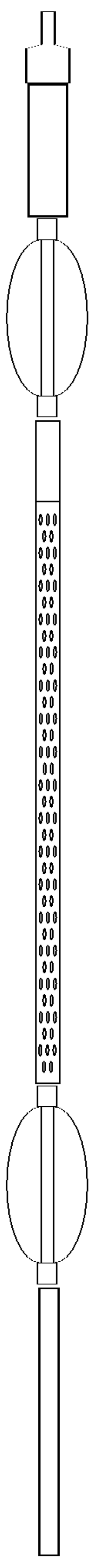
Database File: cblfabrizius 33-14.db
Dataset Pathname: pass3
Presentation Format: nuexbond
Dataset Creation: Thu Oct 15 10:46:15 2009 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240



Database File: cblfabrizius 33-14.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Thu Oct 15 10:37:55 2009 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-STNDRD (1) Standard Cable Head	1.00	1.69	5.00
CCL	18.92		CCL-tekco (234CCL-169) 2 3/4" TEKCO Collar Locator	1.83	2.75	10.00
			CENT-2750-CENT (2750-CENT-LONG) Electric Line Technologies Centrailzer 2.75"	2.75	2.75	10.00
WVF3FT	11.25		SCBL-TEKCO (234B35C-8013) tekco 2 3/4" SCBL tool	9.06	2.75	102.00
WVF5FT	9.25					
WVFCAL	6.42					
			CENT-2750-CENT (2750-CENT-LONG) Electric Line Technologies Centrailzer 2.75"	2.75	2.75	10.00
			GR-TekcoGR (234GR-328) 2 3/4" TEKCO Gamma Ray	3.67	2.75	20.00
GR	1.04					

Dataset:	cblfabrizius 33-14.db: field/well/run1/pass1
Total Length:	21.06 ft
Total Weight:	157.00 lb
O.D.	2.75 in

Calibration Report

Database File:	cblfabrizius 33-14.db
Dataset Pathname:	pass1
Dataset Creation:	Thu Oct 15 10:17:56 2009 by Log Std Casedhole 08121

Gamma Ray Calibration Report

Serial Number:	234GR-328	
Tool Model:	TekcoGR	
Performed:	Thu Aug 02 12:04:45 2007	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	234B35C-8013	
Tool Model:	TEKCO	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	48.675	ft

Master Calibration, performed Thu Oct 15 10:17:48 2009:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.011	2.500	1.050	71.921	28.226	1.355
CAL	-0.013	0.214				
5'	-0.010	2.500	1.050	71.921	28.236	1.332
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.013	0.214	1.000	0.000

Air Zero Calibration, performed Thu Oct 15 10:16:05 2009:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			