

Patterson

**CEMENT BOND
GAMMA RAY**

Company		XTO Energy Inc.	
Well	Hill Ranch 16-09		
Field	Purgatoire River		
County	Las Animas	State	Colorado
Location:		AP1 # : 05 071 08473 00	
1910' FSL & 628' FEL		Other Services PRES. CONTROL	
Permanent Datum	SEC 16	TWP 35S	RGE 67W
Log Measured From	Ground Level	Elevation	7762'
Drilling Measured From	Ground Level	K.B. 7762'	D.F. -----
		G.L. -----	
Date	12/16/05		
Run Number	three		
Depth Driller	2085'		
Depth Logger	423'		
Bottom Logged Interval	419'		
Top Log Interval	Surf.		
Open Hole Size	7 7/8		
Type Fluid	Water		
Density / Viscosity	///		
Max. Recorded Temp.	105F		
Estimated Cement Top	Surf.		
Time Well Ready	7:50		
Time Logger on Bottom	8:00		
Equipment Number	T244		
Location	Trinidad		
Recorded By	Worley		
Witnessed By	Mr. Blatnik		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
			From
			To
Casing Record	Size	Wgt/Ft	Top
Surface String	8.625		0
Prot. String			
Production String	5.5		00
Liner			

<<< Fold Here >>>

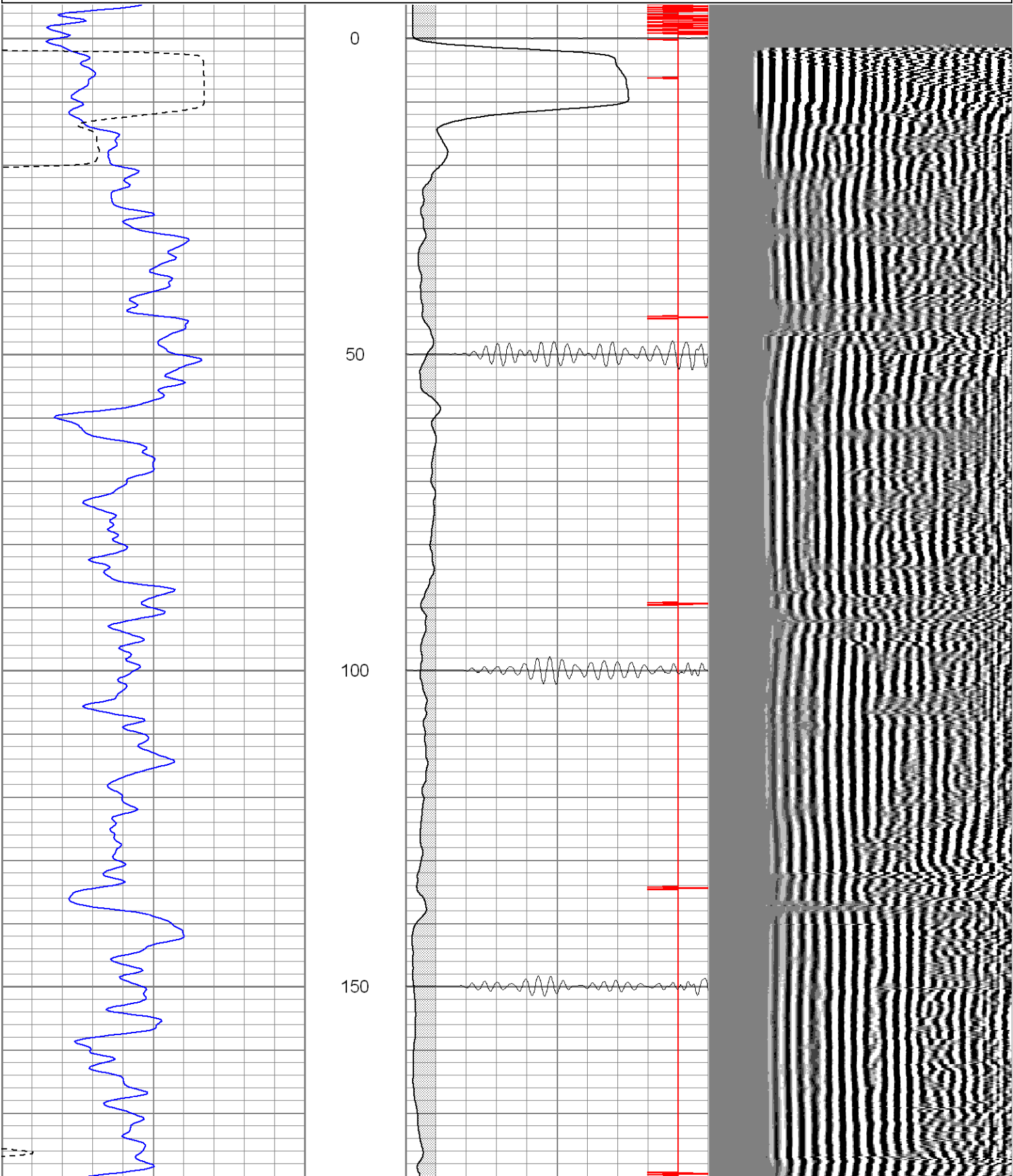
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

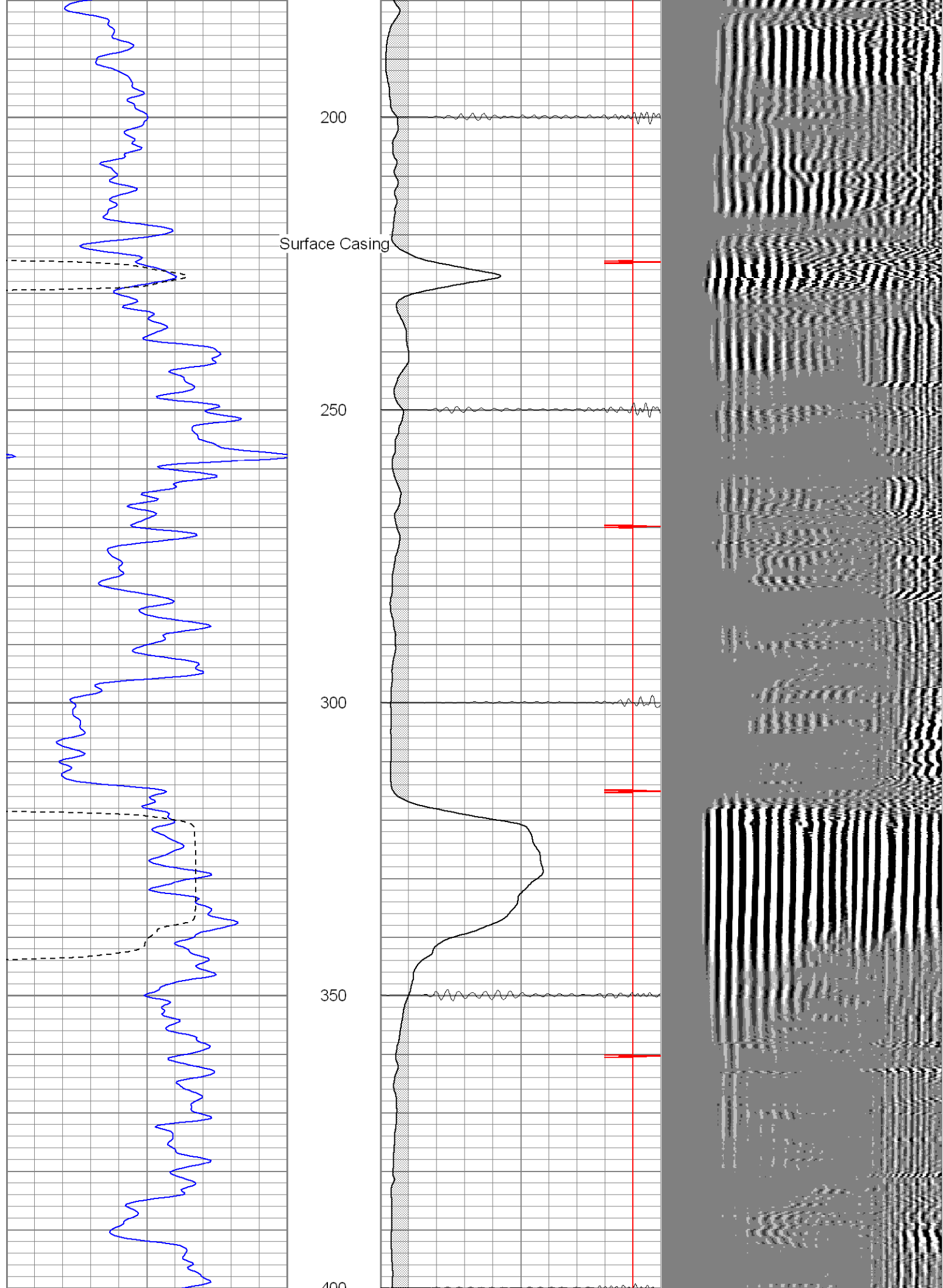
Comments

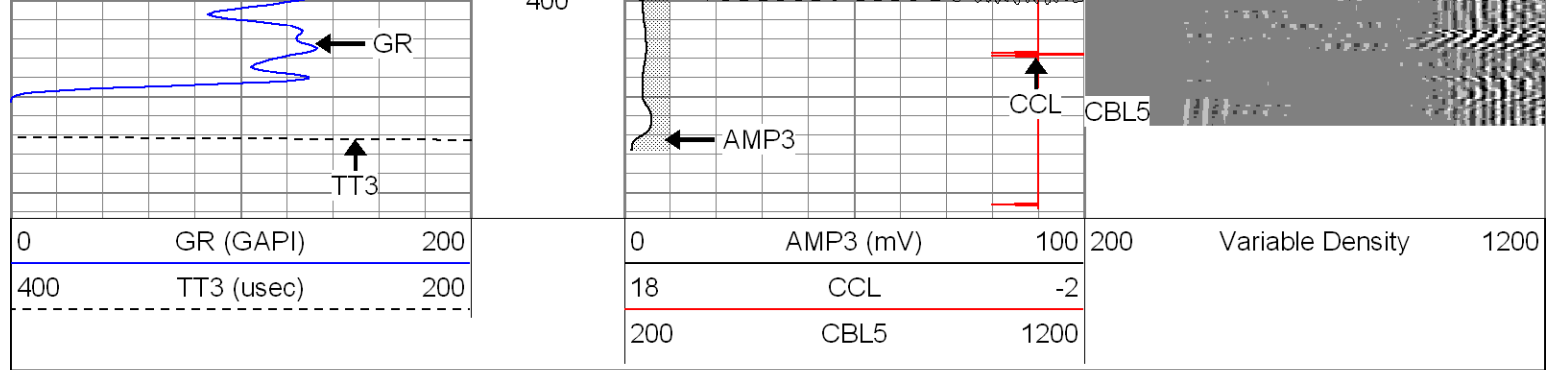
Dead Horse At Y Take Right At Bottom Of Hill Take Left, First Location On Right Side Of Road.

Database File: hr16-09b121605.db
Dataset Pathname: pass2
Presentation Format: cblrt
Dataset Creation: Fri Dec 16 08:01:32 2005 by Log Warrior 7.0 STD Cas
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	0	AMP3 (mV)	100	200	Variable Density	1200
400	TT3 (usec)	200	18	CCL	-2			
			200	CBL5	1200			







Cement Bond Log Calibration Report				
Serial Number:	Titan5			
Tool Model:	2			
Performed:	Fri Dec 16 07:59:58 2005			
Depth:	2158.27	ft		
Casing Diameter:	5.5	in		
	3' Spacing	5' Spacing		
Signal Zero:	0	0	mV	
Calibrated Amplitude:	85	85	mV	
Reading at Signal Zero:	-0.02	0	V	
Reading in Free Pipe:	1	0.9	V	
Gain:	83.3333	94.4444		
Offset:	1.66667	0		
Gamma Ray Calibration Report				
Serial Number:	Titan5			
Tool Model:	T2			
Performed:	Thu Dec 15 12:05:30 2005			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	1.3000	GAPI/cps		