Company XTO Energy Inc.
Well Apache Canyon 32-12
Field Purgatorie River
County Las Animas
State CO

SUPERIOR
WELL SERVICES
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

CEMENT BOND LOG

Company XTO Energy Inc.
Well Apache Canyon 32-12
Field Purgatorie River
County Las Animas State CO

Location: API # : 05 071 09128 00
2159' FSL & 342' FWL
SEC 32 TWP 33S RGE 67W

Other Services
Pressure control

Permanent Datum Ground Level Elevation 8084'
Log Measured From Ground Level
Drilling Measured From Ground Level

Elevation
K.B. ------
D.F. ------
G.L. 8084'

Date	6-26-07
Run Number	One
Depth Driller	2700'
Depth Logger	2611'
Bottom Logged Interval	2608'
Top Log Interval	Surface
Open Hole Size	7 7/8
Type Fluid	Water
Density / Viscosity	///
Max. Recorded Temp.	113F
Estimated Cement Top	154'
Time Well Ready	ROA
Time Logger on Bottom	4:45PM
Equipment Number	T0698
Location	Trinidad
Recorded By	J. Sisneros
Witnessed By	Mr. Mike Polley

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"			496'
Prot. String				
Production String	5.5"			
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

Lower Bosque Entrance, first right to Cherry Canyon, stay left at Y, stay on main road for 4.5 miles location on left side of road.

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Main Pass (1000PSI)

Database File: ac321262607b.db
Dataset Pathname: pass2
Presentation Format: cblrt
Dataset Creation: Tue Jun 26 17:39:08 2007 by Log Open-Cased 061129
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	

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400 TT3 (usec) 200	18 CCL -2	
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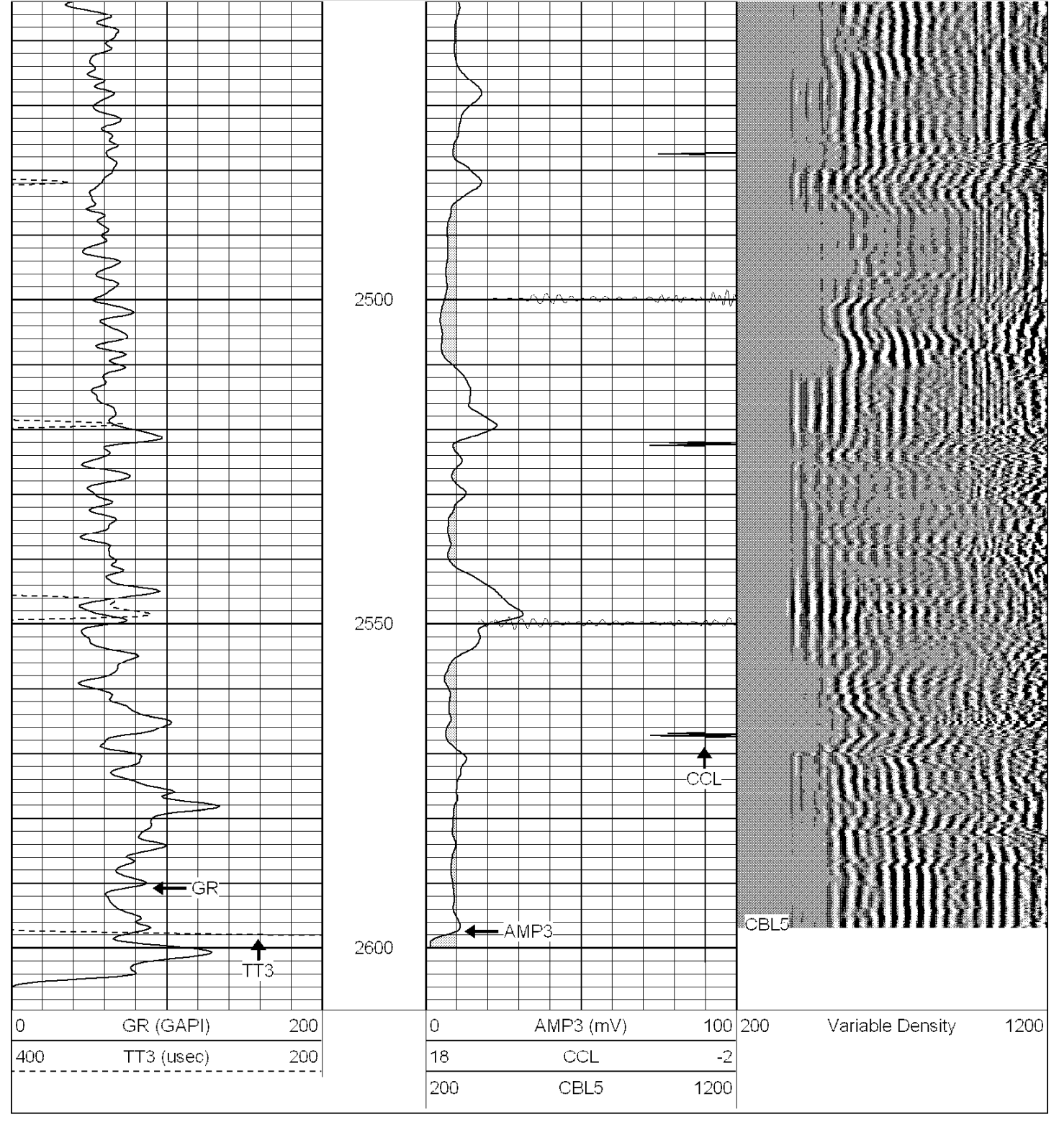
Repeat Section (0PSI)

Database File: ac321262607b.db
Dataset Pathname: pass1
Presentation Format: cblrt
Dataset Creation: Tue Jun 26 17:33:41 2007 by Log Open-Cased 061129
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	



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

Calibration Report

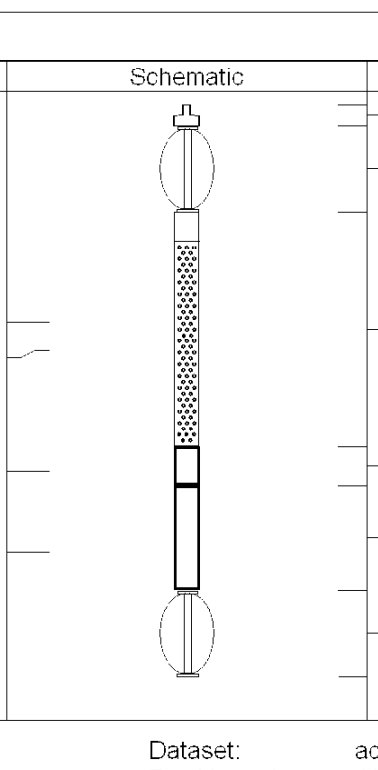
Database File: ac321262607b.db
Dataset Pathname: pass1
Dataset Creation: Tue Jun 26 17:33:41 2007 by Log Open-Cased 061129

Gamma Ray Calibration Report

Serial Number:	Titan1	
Tool Model:	T1	
Performed:	Wed Jun 20 16:43:46 2007	
Calibrator Value:	200.0	GAPI
Background Reading:	54.0	cps
Calibrator Reading:	219.0	cps
Sensitivity:	1.5000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	Titan4		
Tool Model:	T4		
Performed:	Tue Jun 26 11:32:40 2007		
Depth:	74.8132	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	85	71.921	mV
Reading at Signal Zero:	0.0239014	0.020166	V
Reading in Free Pipe:	1.71	1.63755	V
Gain:	50.4122	44.4675	
Offset:	1.5	-0.896733	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-None (0)	0.75	1.50	5.00
			CENT-X (2)	3.00	1.69	25.00
WVF5 WVF3	12.30 11.30		CBL-T4 (Titan4)	8.15	2.25	110.00
CCL	7.10		CCL-T1 (Titan1)	1.33	3.13	15.00
GR	4.30		GR-T1 (Titan1)	3.63	3.13	25.00
			CENT-X (1)	3.00	1.69	25.00

Dataset: ac321262607b.db: field/well/run1/pass1
Total Length: 19.86 ft
Total Weight: 205.00 lb
O.D. 3.13 in