SUPERIOR WELL SERVICES

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

CEMENT BOND LOG

CompanyXTO Energy Inc.
Well Apache Canyon 05-08
Field Purgatorie River
County Las Animas
State CO

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Well Apache Canyon 05-08
Field Purgatorie River
County Las Animas State CO

Location: API # : 05 071 09133 00

2144' FNL & 944' FEL

SEC 05 TWP 34S RGE 67W

Other Services
Pressure control

Permanent Datum	Ground Level	Elevation	7716'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. -------
D.F. --------
G.L. 7716'

Date	6-13-07		
Run Number	One		
Depth Driller	2330'		
Depth Logger	2236'		
Bottom Logged Interval	2234'		
Top Log Interval	Surface		
Open Hole Size	7 7/8		
Type Fluid	Water		
Density / Viscosity	///		
Max. Recorded Temp.	111F		
Estimated Cement Top	552'		
Time Well Ready	ROA		
Time Logger on Bottom	3:15PM		
Equipment Number	T0698		
Location	Trinidad		
Recorded By	J. Sisneros		
Witnessed By	Mr. Gourdon		

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"			495'
Prot. String				
Production String	5.5"			
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

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

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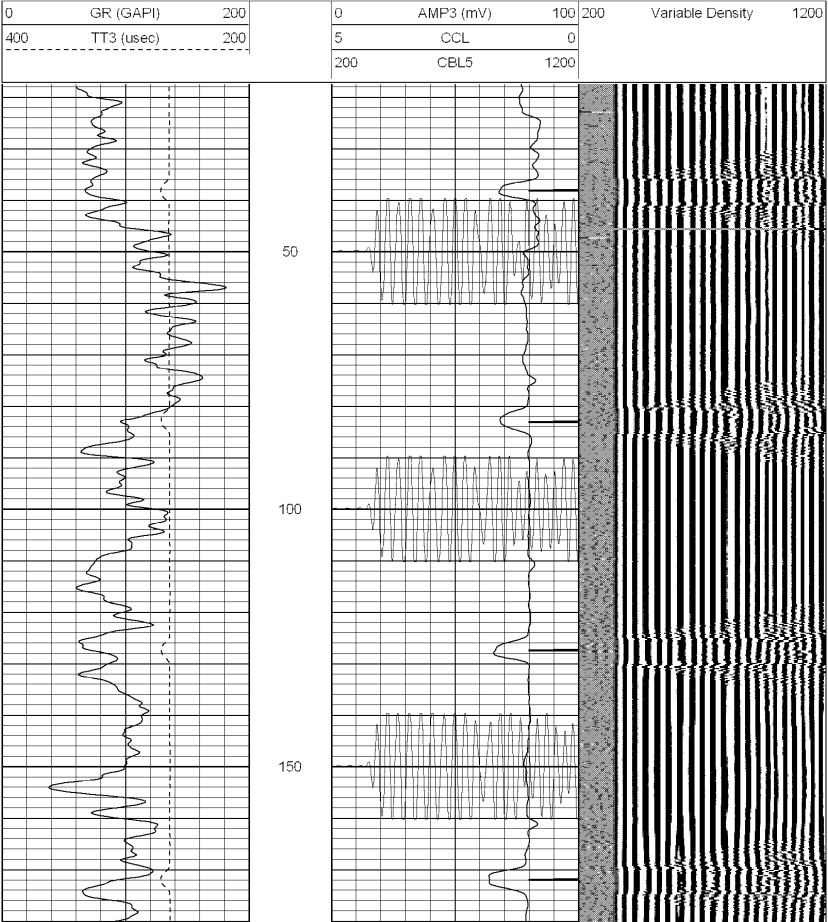
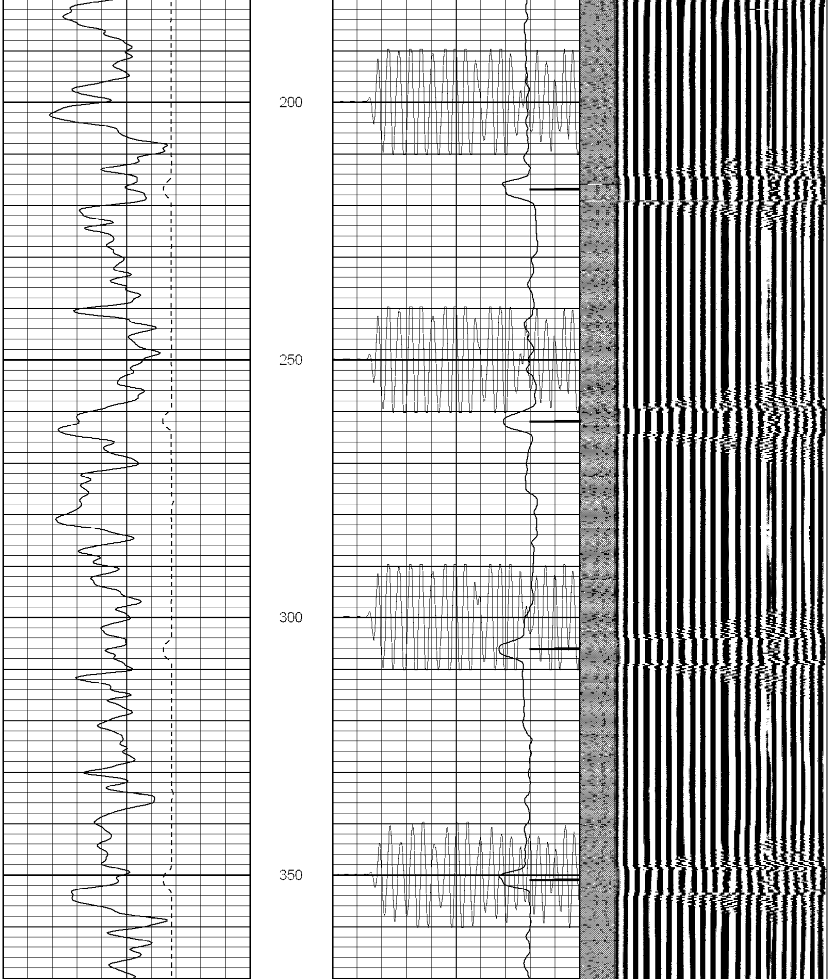
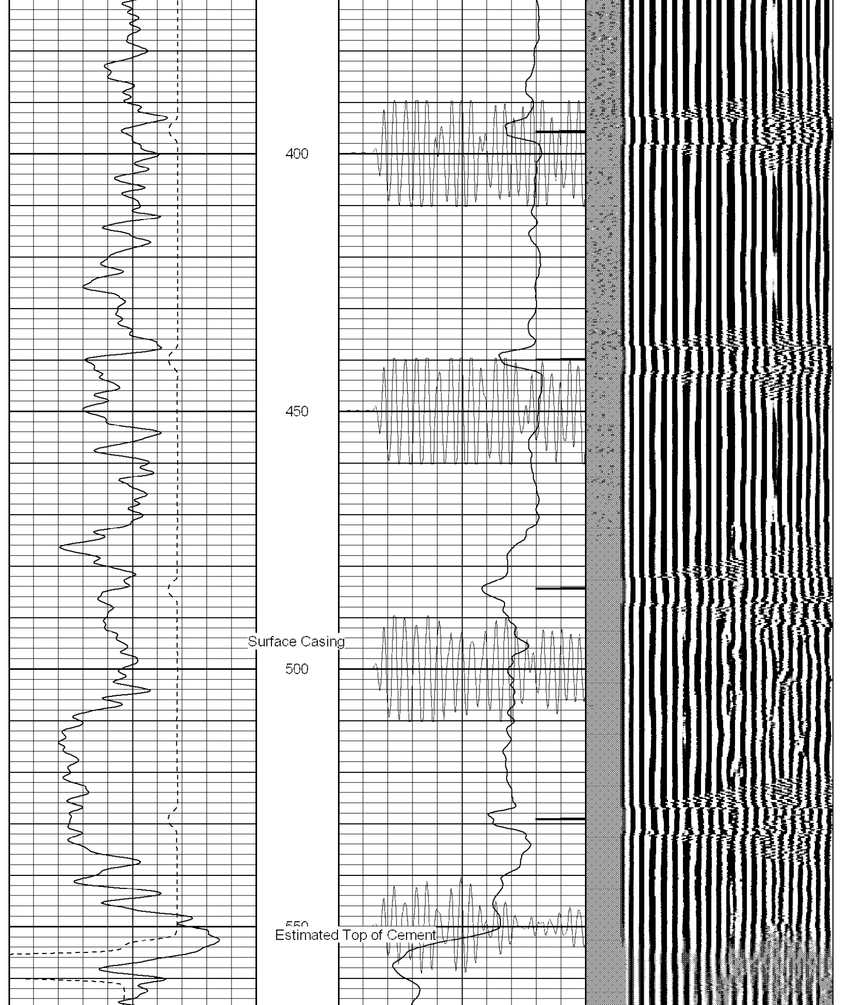
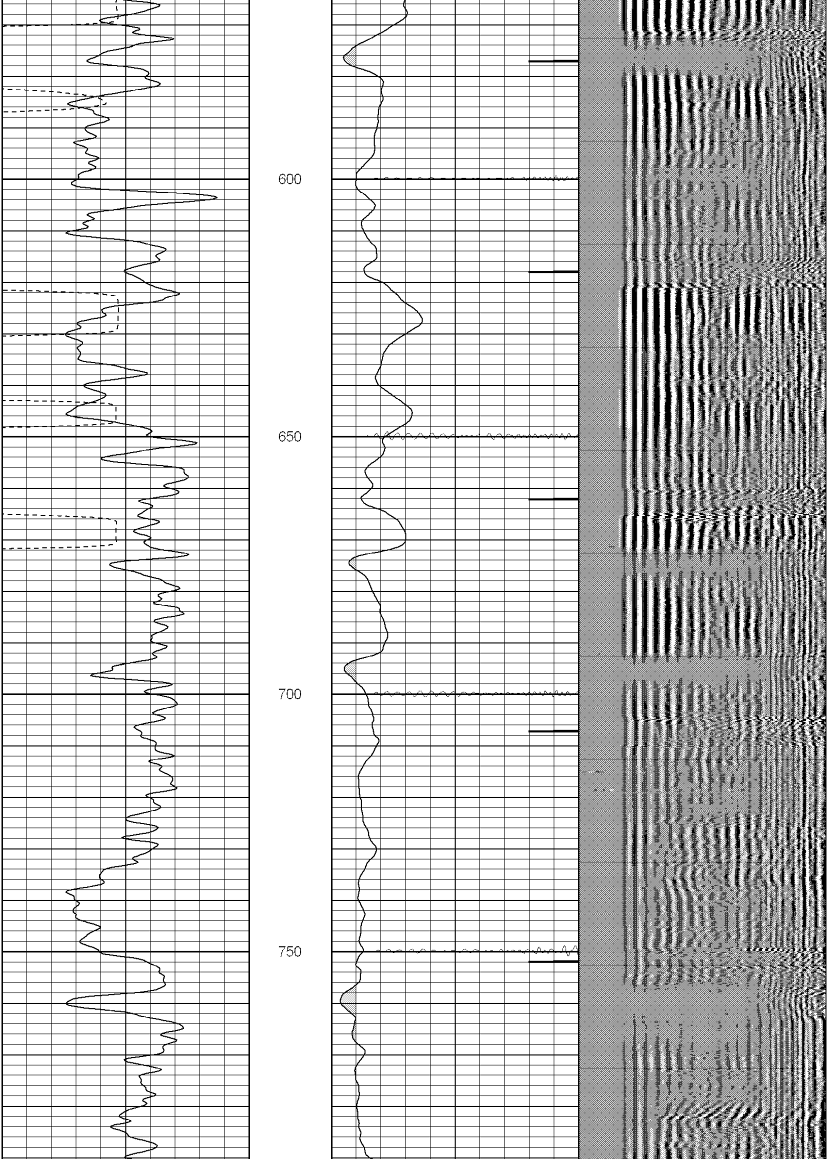
Main Pass

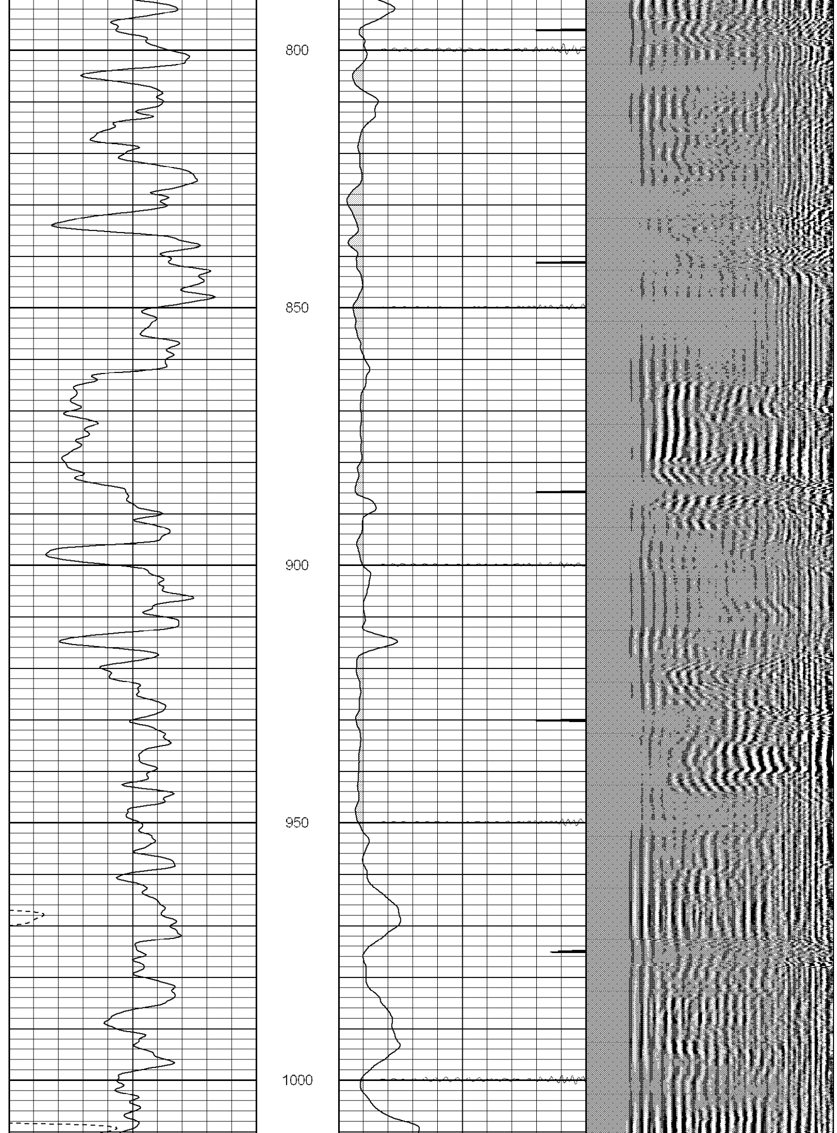
Database File: ac050861307b.db
Dataset Pathname: pass2.10
Presentation Format: cblrt
Dataset Creation: Thu Jun 14 10:07:42 2007 by Calc Open-Cased 061129
Charted by: Depth in Feet scaled 1:240

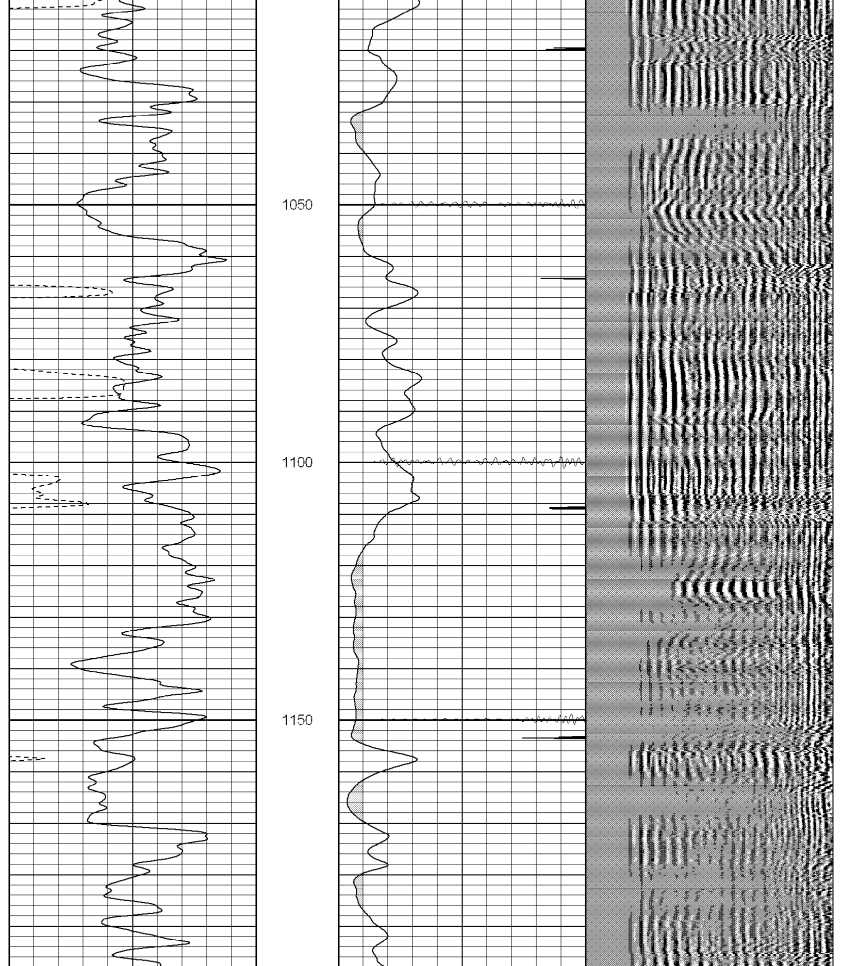


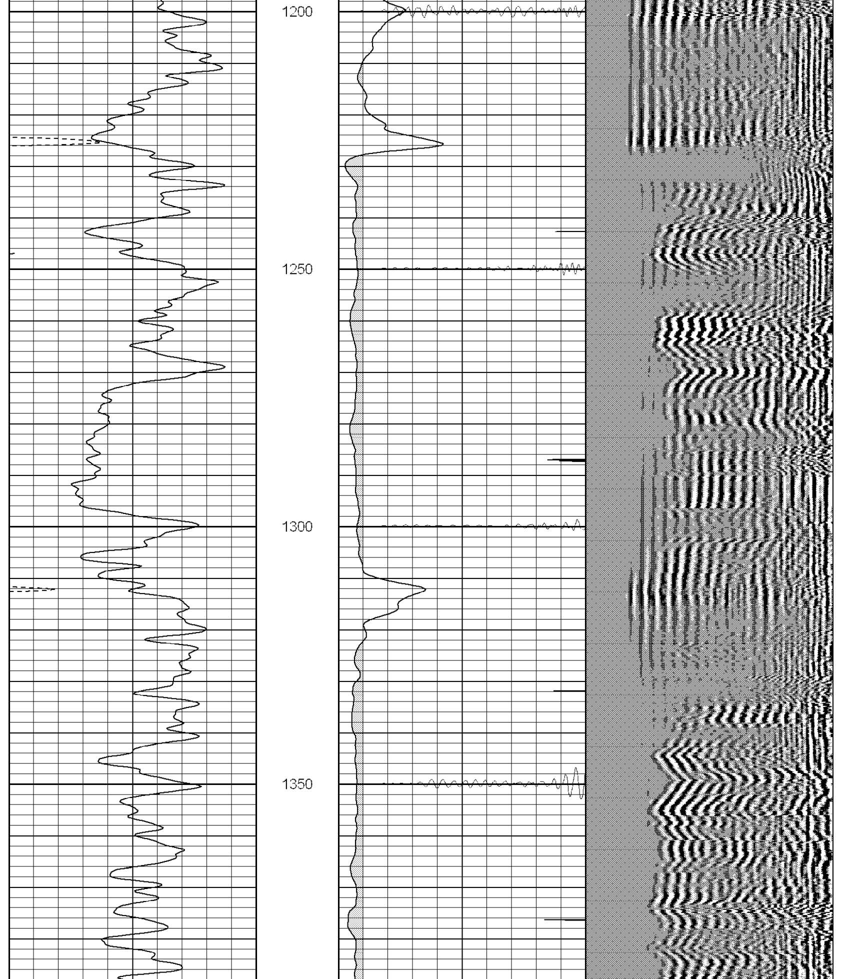


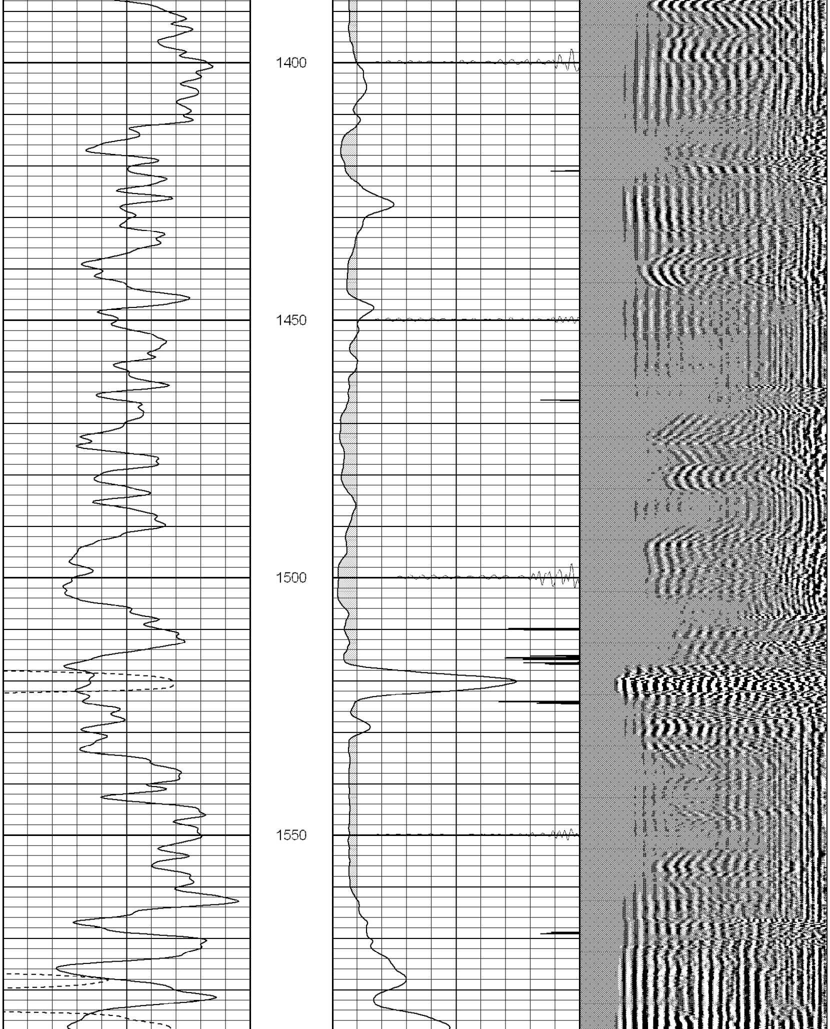


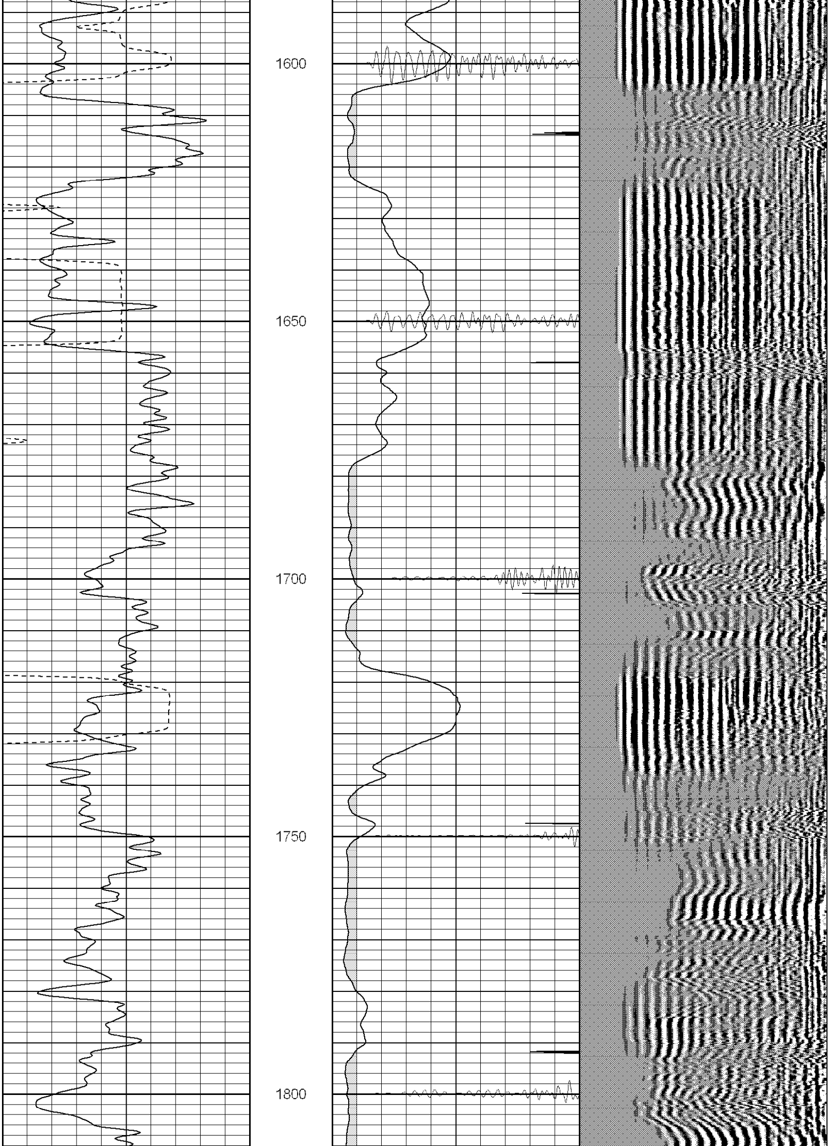


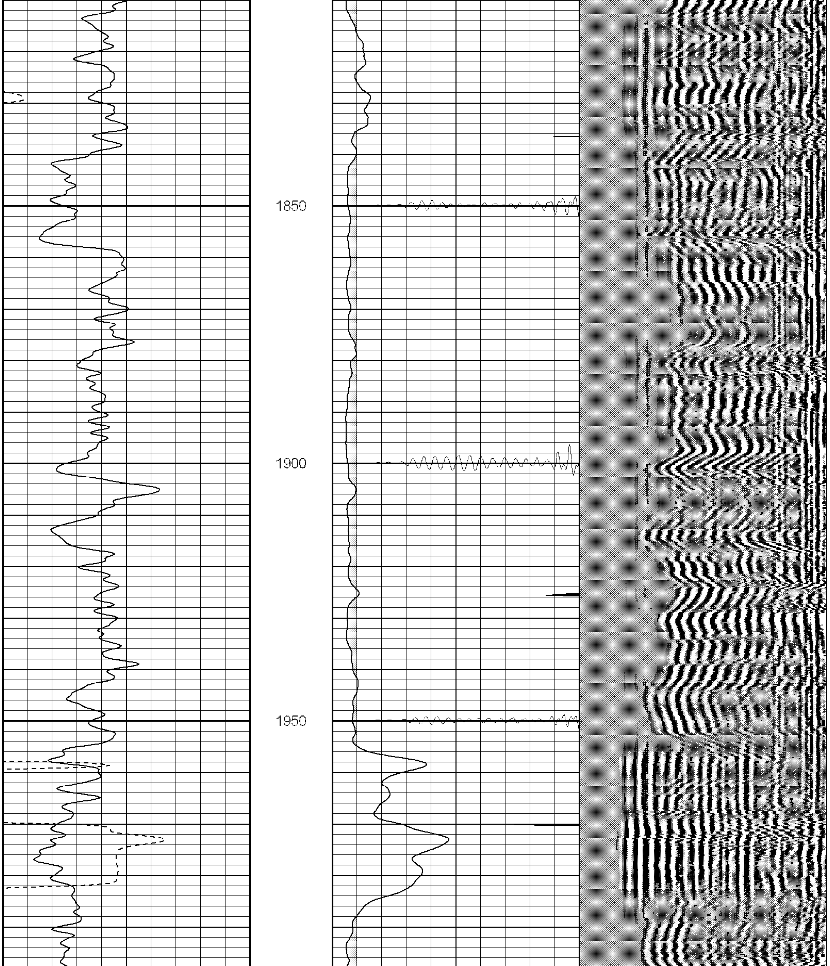


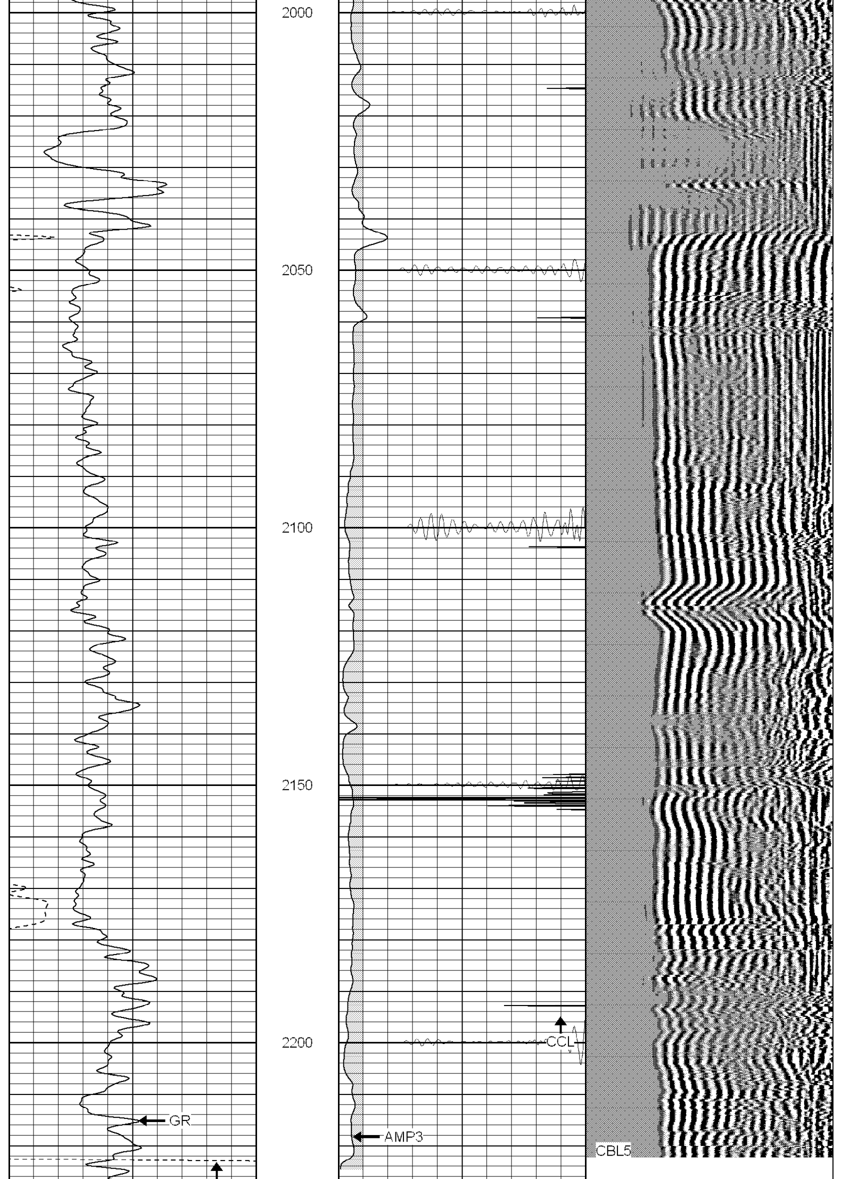


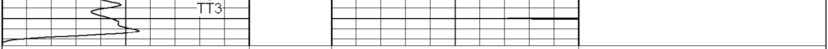












0 GR (GAPI) 200	0 AMP3 (mV) 100	200 Variable Density 1200
400 TT3 (usec) 200	5 CCL 0	
	200 CBL5 1200	

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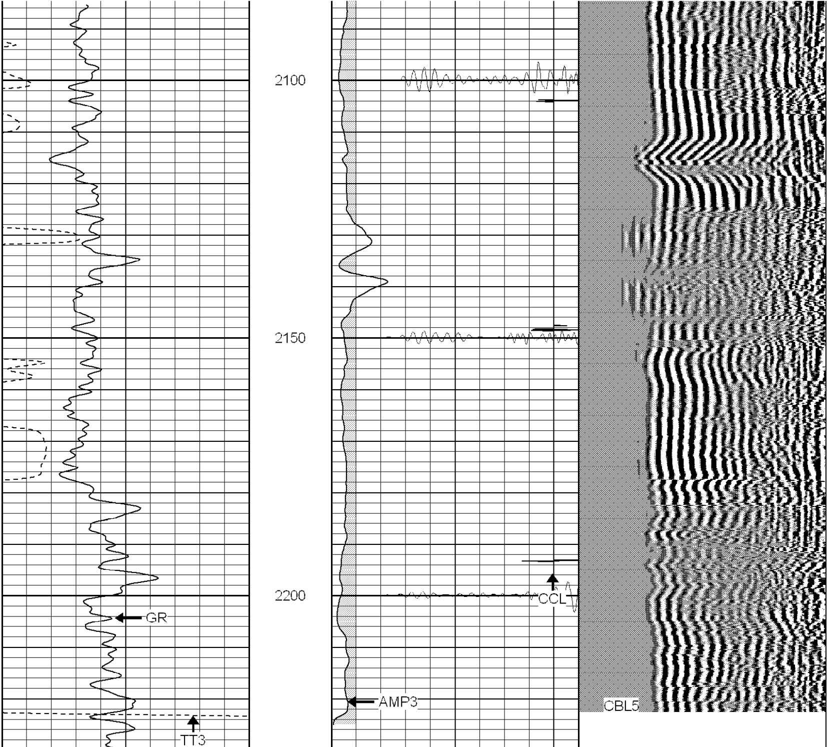
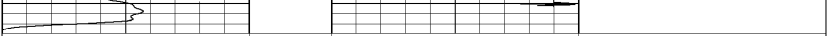
Repeat Section

Database File: ac050861307b.db
Dataset Pathname: pass1
Presentation Format: cblrt
Dataset Creation: Wed Jun 13 16:22:18 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

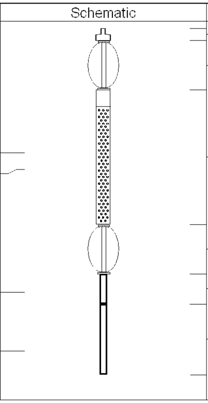
Database File:	ac050861307b.db
Dataset Pathname:	pass1
Dataset Creation:	Wed Jun 13 16:22:18 2007 by Log Open-Cased 061129

Gamma Ray Calibration Report

Serial Number:	Slimhole	
Tool Model:	SH	
Performed:	Sun Jun 13 13:33:21 1993	
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:	Titan4		
Tool Model:	T4		
Performed:	Thu Jun 07 09:33:17 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:	1.6	1.63755	V
Gain:	53.9306	44.4675	
Offset:	1	-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	13.45 12.45		CBL-T4 (Titan4)	8.15	2.25	110.00
			CENT-X (1)	3.00	1.69	25.00
CCL	4.99		CCL-TS (Slimhole) 1 11/16" Titan Slimhole GR/CCL	1.83	1.69	10.00
GR	1.43		GR-SH (Slimhole)	4.28	1.69	28.00

Dataset:	ac050861307b.db: field/well/run1/pass1
Total Length:	21.02 ft
Total Weight:	203.00 lb
O.D.	2.25 in