SUPERIOR
WELL SERVICES

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

CEMENT BOND LOG

CompanyXTO Energy Inc.
Well Apache Canyon 32-14
Field Purgatorie River
County Las Animas
State CO

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Well Apache Canyon 32-14
Field Purgatorie River
County Las Animas State CO

Location: API # : 05 071 09129 00

716' FSL & 2071' FWL

SEC 32 TWP 33S RGE 67W

Permanent Datum Ground Level Elevation 7983'
Log Measured From Ground Level
Drilling Measured From Ground Level

Other Services
Pressure control

Elevation
K.B. -------
D.F. --------
G.L. 7983'

Date	6-25-07		
Run Number	Two		
Depth Driller	2600'		
Depth Logger	2257'		
Bottom Logged Interval	2254'		
Top Log Interval	Surface		
Open Hole Size	7 7/8		
Type Fluid	Water		
Density / Viscosity	///		
Max. Recorded Temp.	112F		
Estimated Cement Top	180'		
Time Well Ready	ROA		
Time Logger on Bottom	11:00AM		
Equipment Number	T0698		
Location	Trinidad		
Recorded By	J. Sisneros		
Witnessed By	Mr Travis Gourdin		

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				

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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 turn right , first location.

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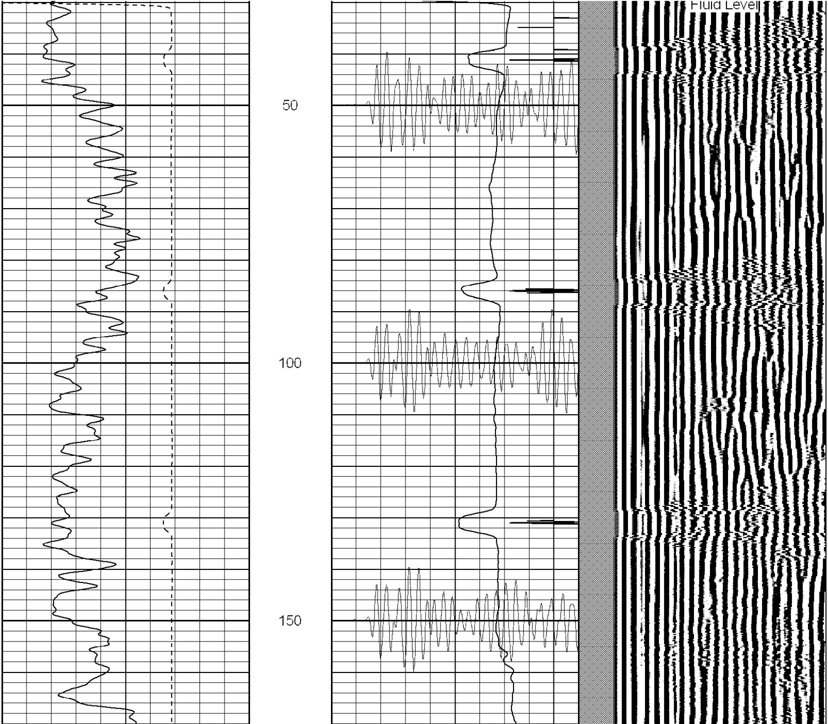
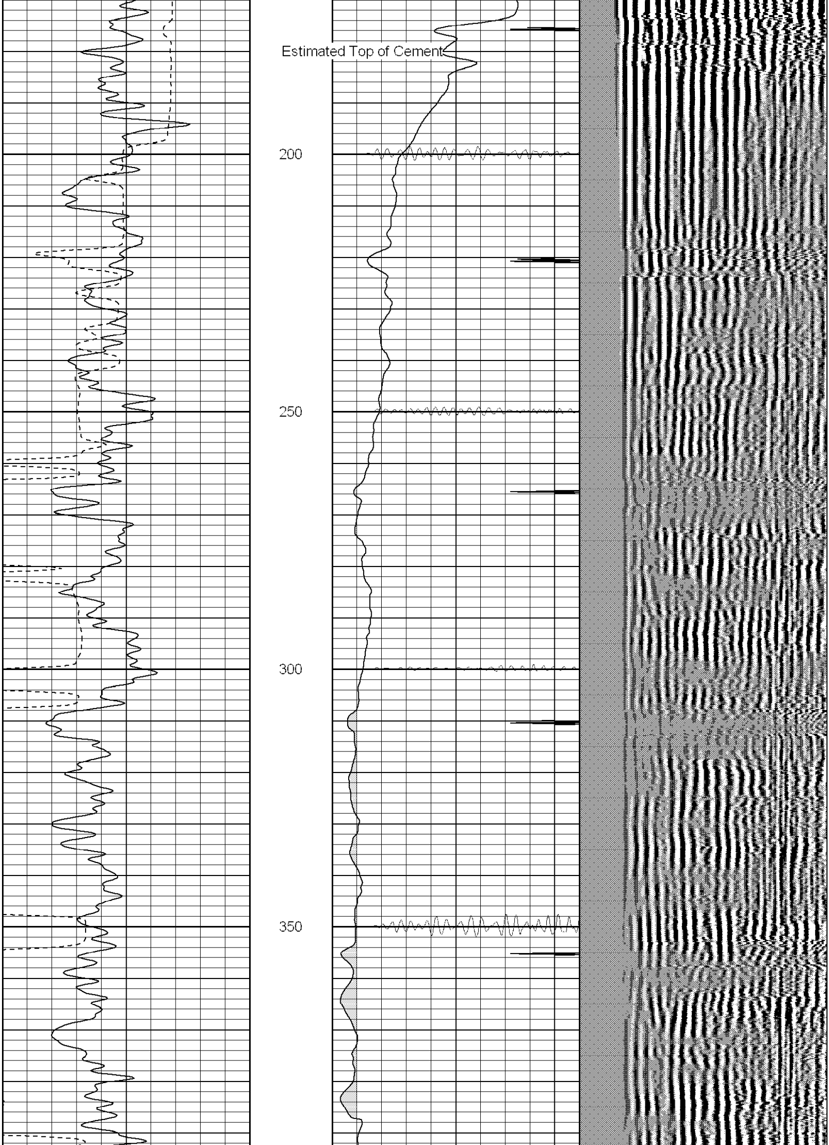
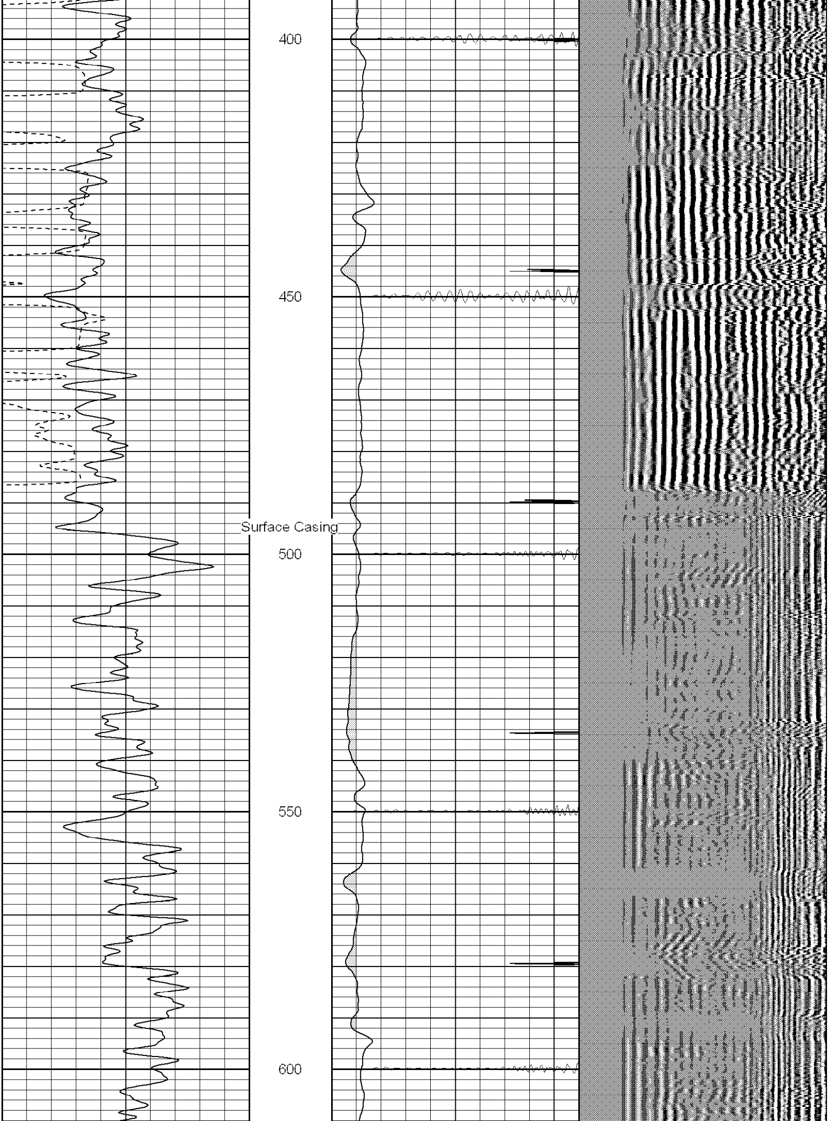
Main Pass (1000SPI)

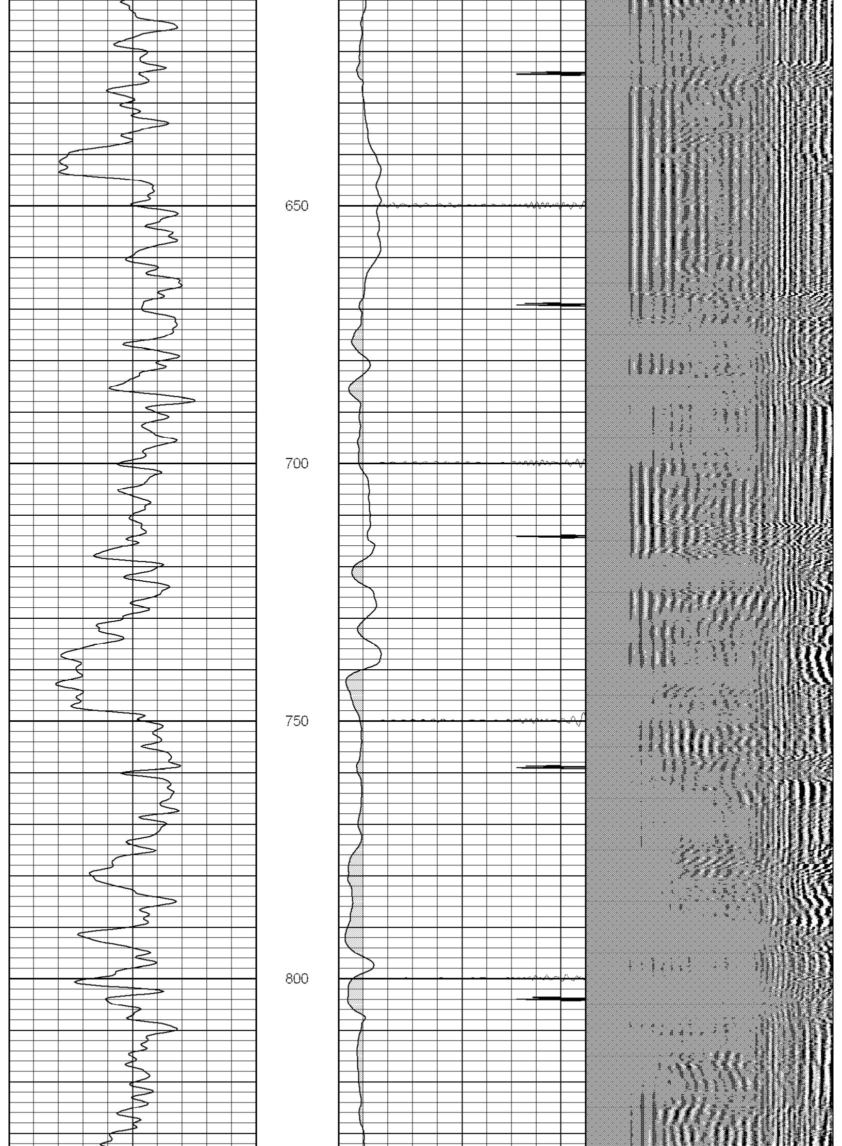
Database File:	ac231462507b.db
Dataset Pathname:	pass2
Presentation Format:	cblrt
Dataset Creation:	Mon Jun 25 12:07:16 2007 by Log Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240

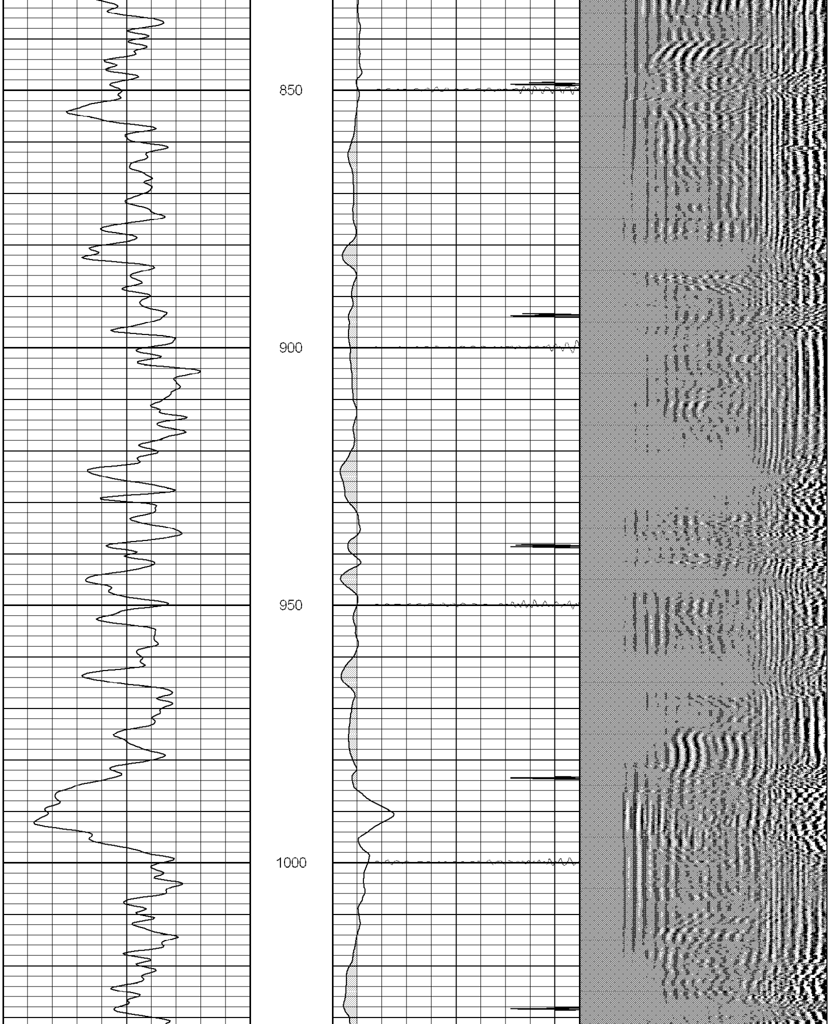
0	GR (GAPI)	200
400	TT3 (usec)	200
0	AMP3 (mV)	100
18	CCL	-2
200	CBL5	1200
200	Variable Density	1200

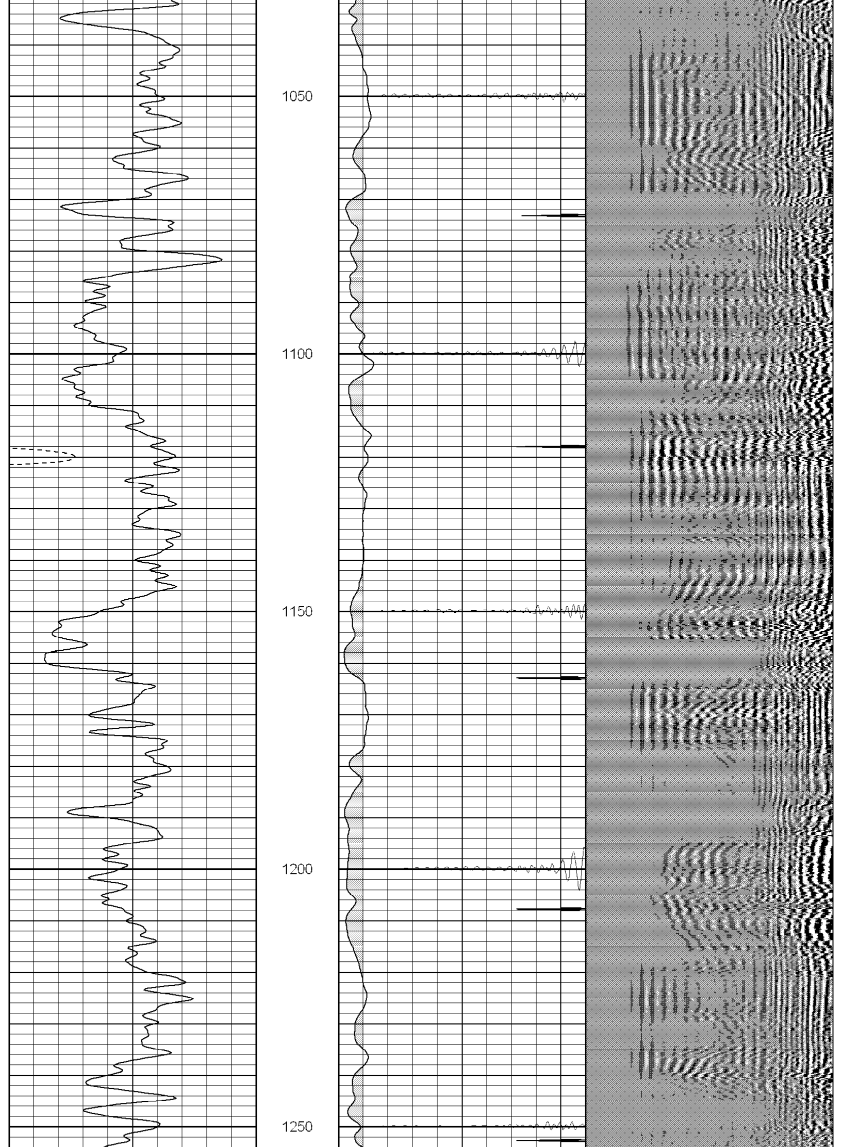


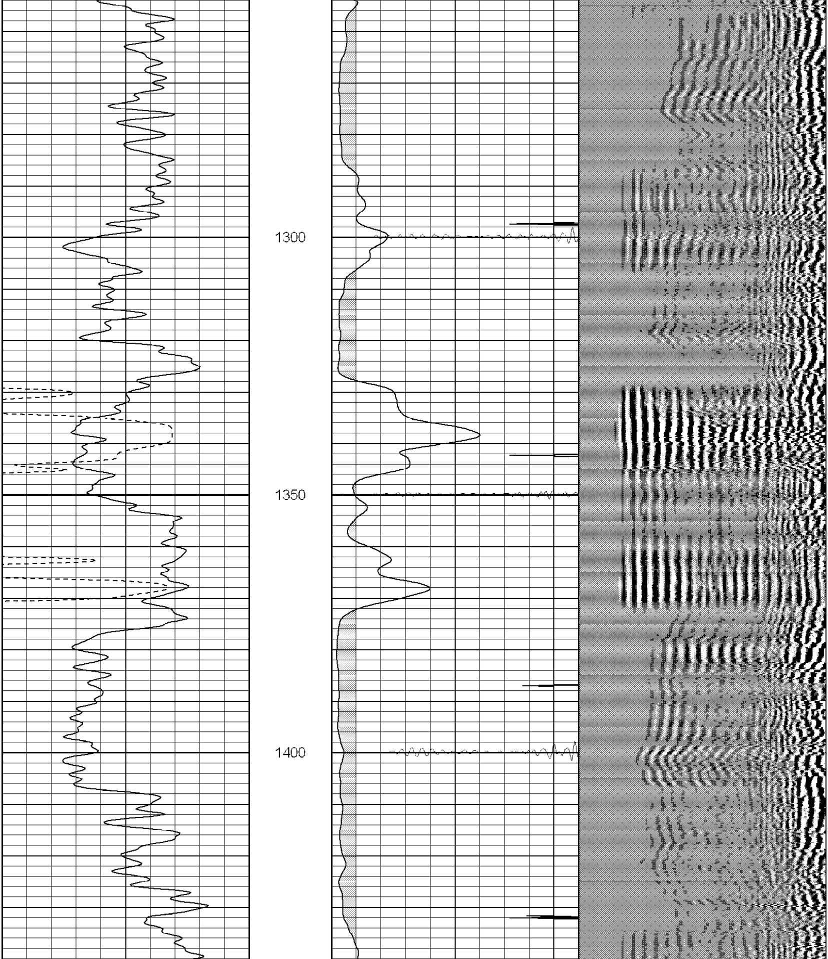


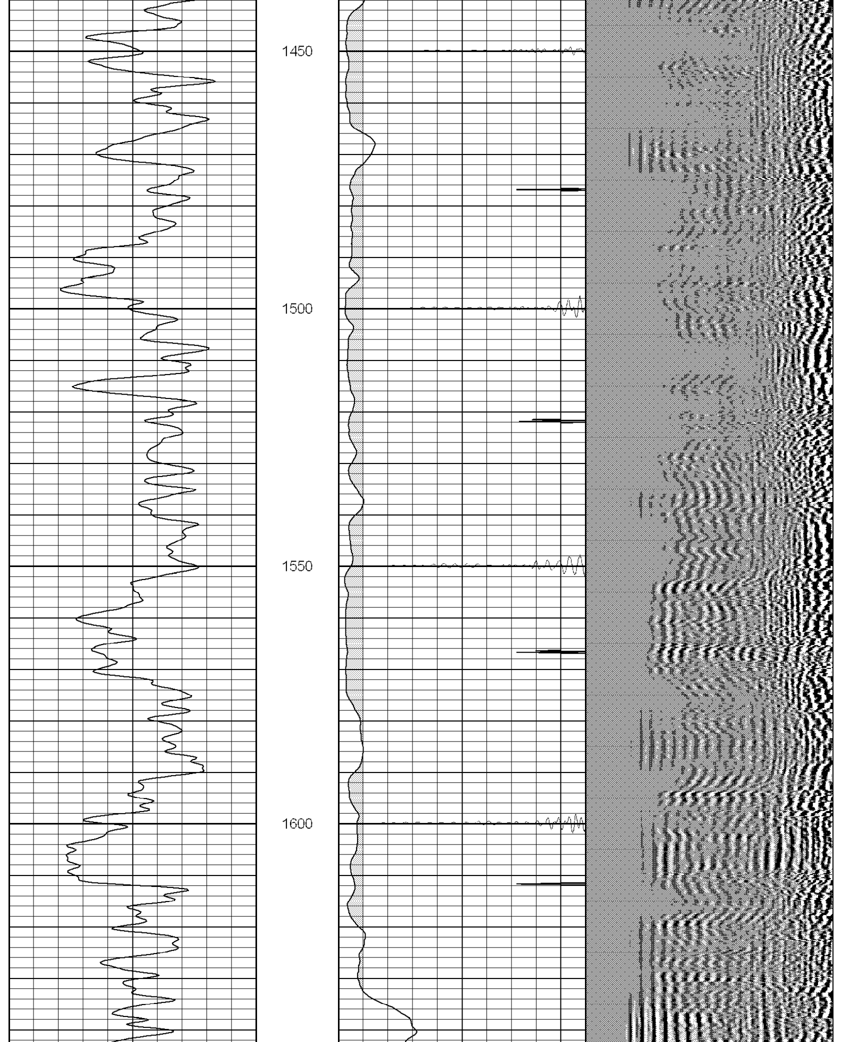


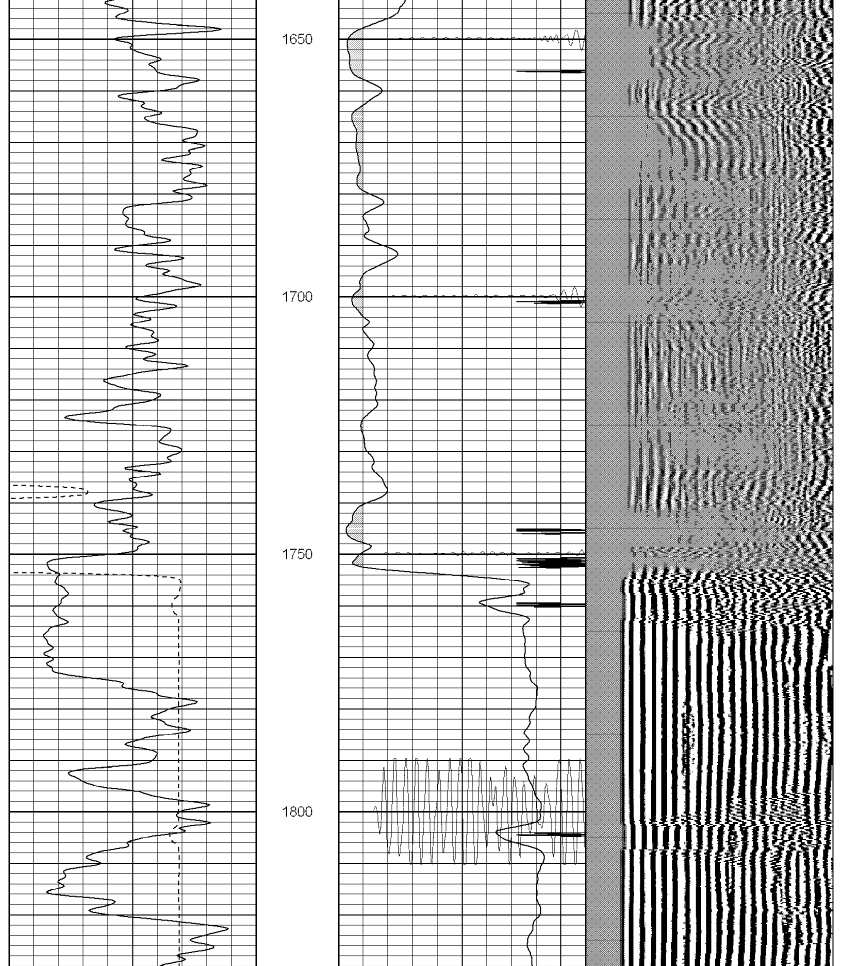


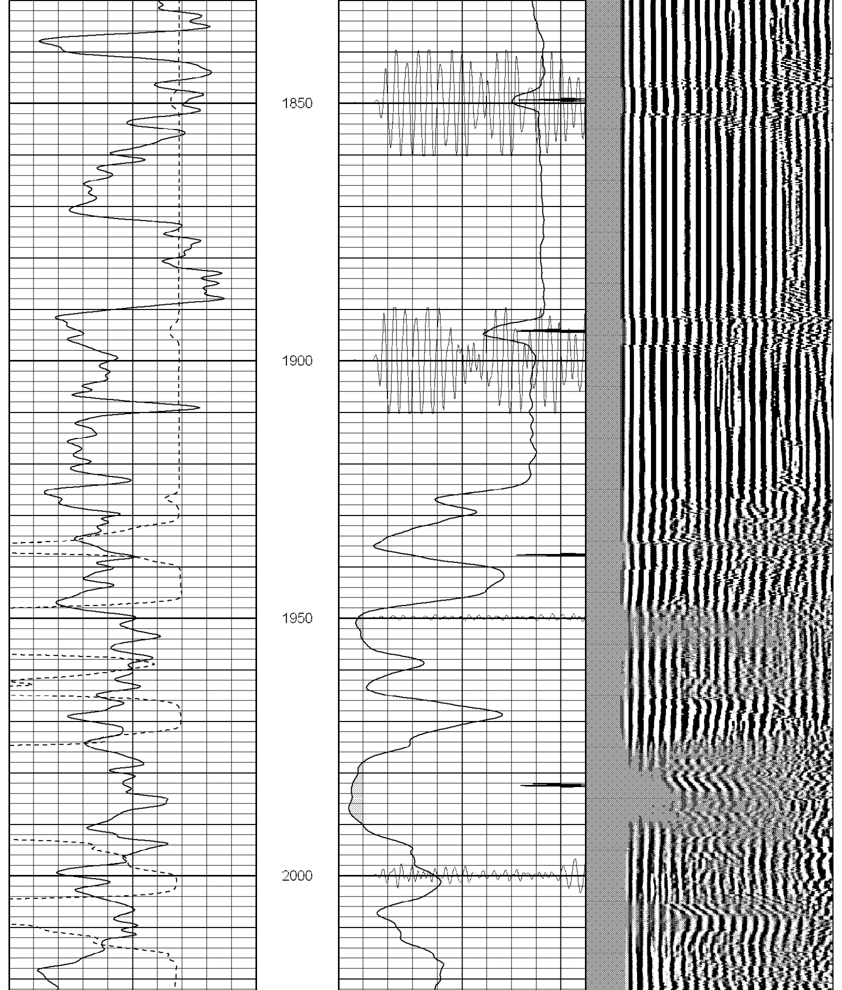


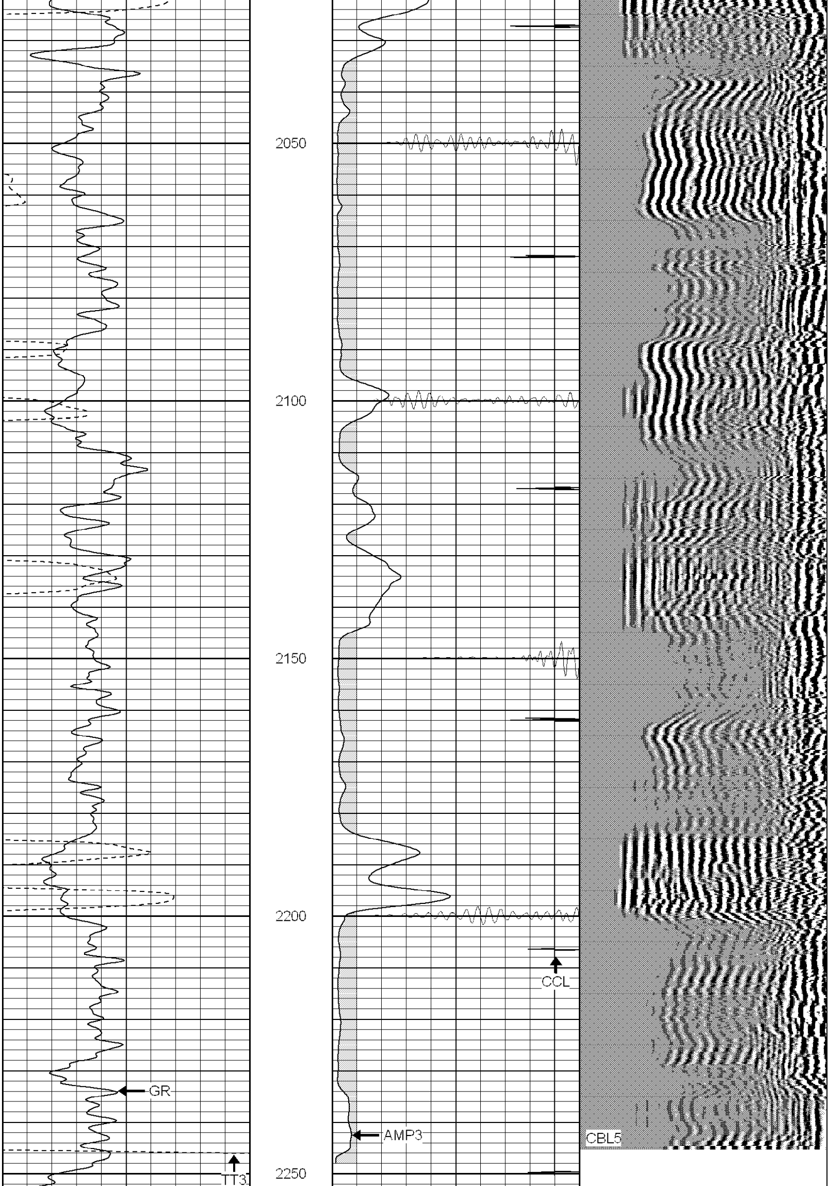


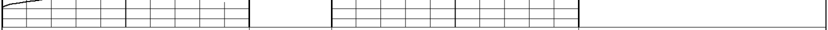












0 GR (GAPI) 200	0 AMP3 (mV) 100	200 Variable Density 1200
400 TT3 (usec) 200	18 CCL -2	
	200 CBL5 1200	

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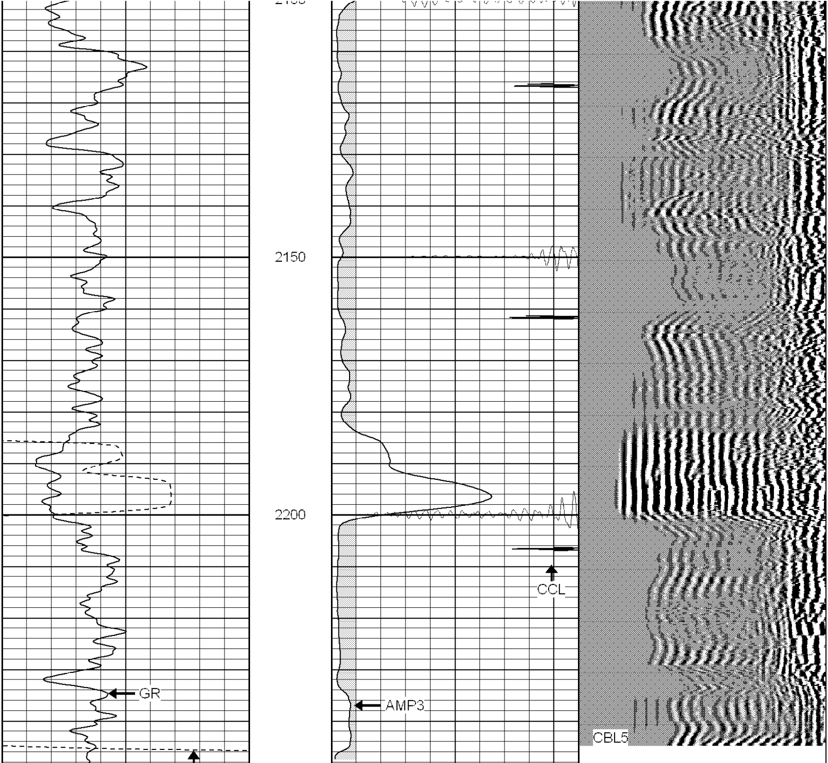
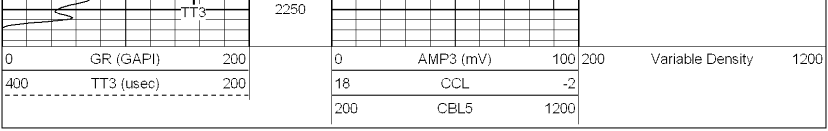
Repeat Section (0PSI)

Database File:	ac231462507b.db
Dataset Pathname:	pass1
Presentation Format:	cblrt
Dataset Creation:	Mon Jun 25 11:55:50 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	





Calibration Report

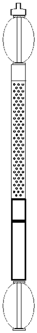
Database File: ac231462507b.db
Dataset Pathname: pass1
Dataset Creation: Mon Jun 25 11:55:50 2007 by Log Open-Cased 061129

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:	Thu Jun 21 09:44:46 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:	1.68	1.63755	V
Gain:	51.3254	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: ac231462507b.db: field/well/run1/pass1
Total Length: 19.86 ft
Total Weight: 205.00 lb
O.D. 3.13 in