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

CEMENT BOND LOG

Company	El Paso E&P Company, L.P.
Well	VPR"C"-124
Field	Purgatorie River
County	Las Animas
State	Colorado

Company El Paso E&P Company, L.P.
Well VPR"C"-124
Field Purgatorie River
County Las Animas State Colorado
Location: API # : 30-007-09010-00
3653' FNL & 222' FWL
SEC 13 TWP 35S RGE 67W

Other Services

Permanent Datum	Ground Level	Elevation	8062'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. ------
D.F. ------
G.L. 8062'

Date	04-16-07		
Run Number	One		
Depth Driller	2519'		
Depth Logger	999'		
Bottom Logged Interval	994'		
Top Log Interval	Surface		
Open Hole Size	7 7/8"		
Type Fluid	Water		
Density / Viscosity	/////		
Max. Recorded Temp.	////		
Estimated Cement Top	664'		
Time Well Ready	Portable Mast		
Time Logger on Bottom	9:30 a.m.		
Equipment Number	T701		
Location	Trinidad, Co		
Recorded By	Larry Smith		
Witnessed By			

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				
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

Hole was loaded with fluid just before log was ran.
Lorencito Gate, right at Y, right at T, third left to location.

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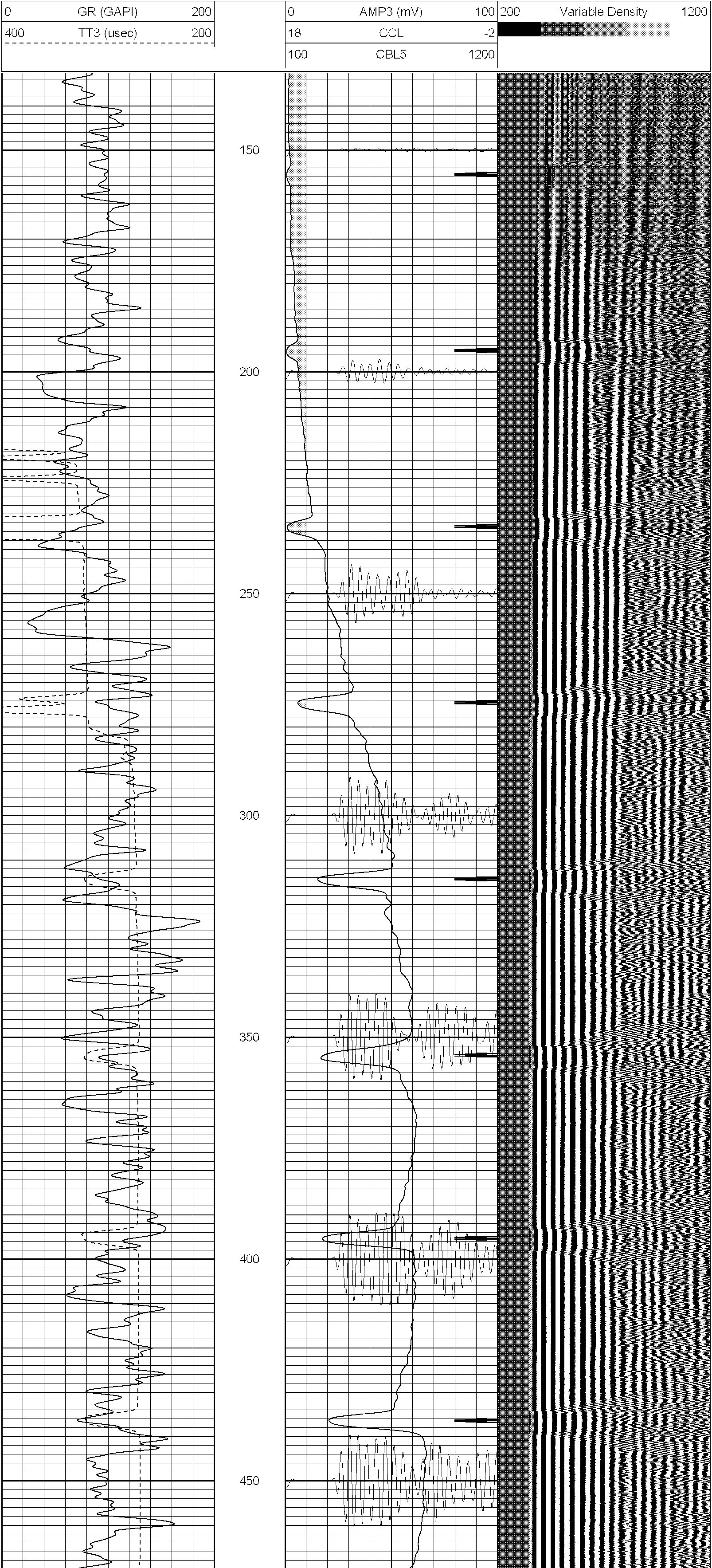
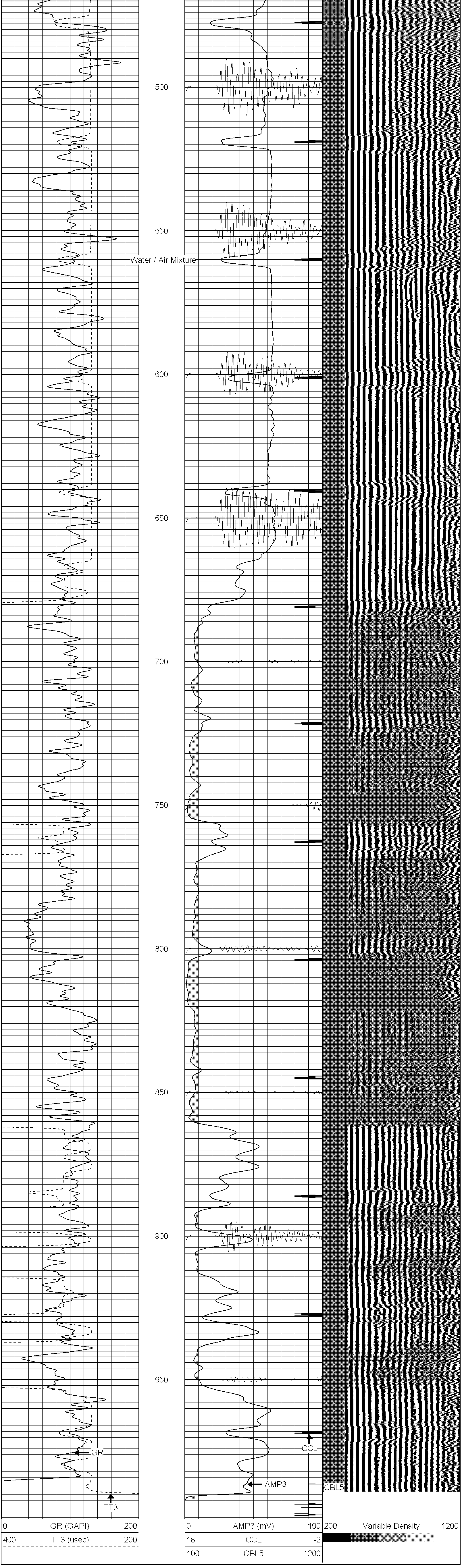
Main Pass

Database File:	vprc124041607b.db
Dataset Pathname:	pass3.1
Presentation Format:	cblrt
Dataset Creation:	Tue Apr 17 07:53:02 2007 by Calc Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240





SUPERIOR
WELL SERVICES

SUPERIOR
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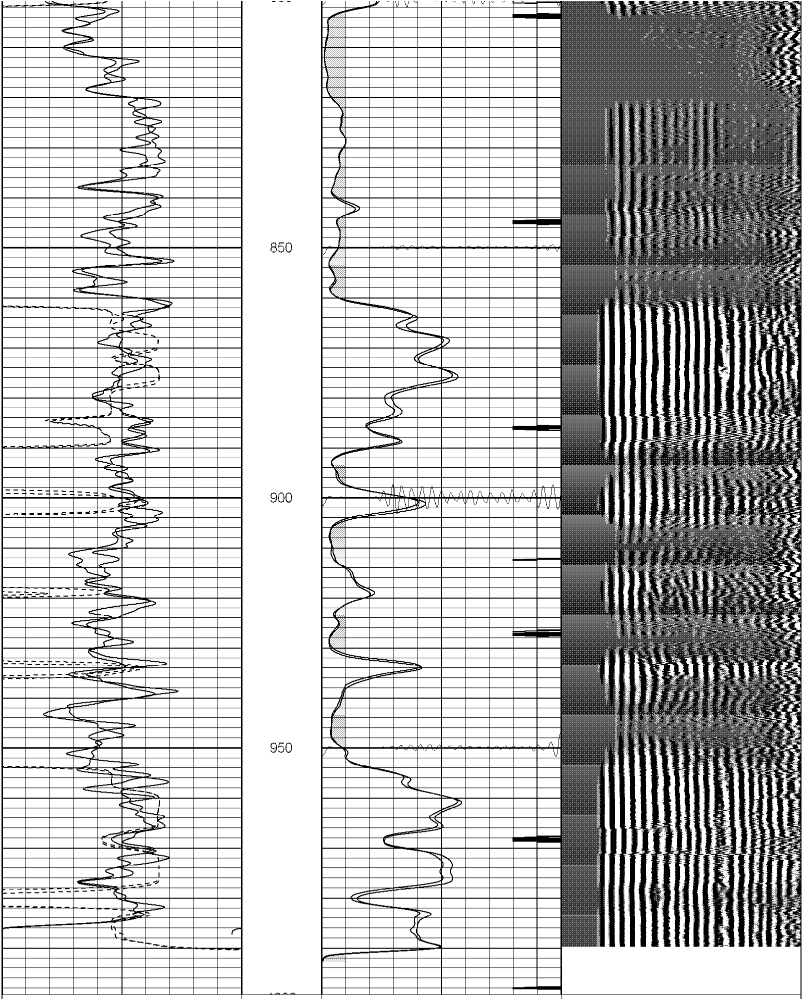
Repeat Pass

Database File:	vprc124041607b.db
Dataset Pathname:	pass1.1
Presentation Format:	cblrt
Dataset Creation:	Tue Apr 17 07:54:09 2007 by Calc Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240

0	GR (GAPI)	200
400	TT3 (usec)	200
0	GR-repeat (GAPI)	200
400	TT3-repeat (usec)	200

0	AMP3 (mV)	100
18	CCL	-2
100	CBL5	1200
0	AMP3-repeat (mV)	100
18	CCL-repeat	-2

200	Variable Density	1200
█ ▓ ▒ ░		



0	GR (GAPI)	200
400	TT3 (usec)	200
0	GR-repeat (GAPI)	200
400	TT3-repeat (usec)	200

0	AMP3 (mV)	100
18	CCL	-2
100	CBL5	1200
0	AMP3-repeat (mV)	100
18	CCL-repeat	-2

200	Variable Density	1200
█ ▓ ▒ ░		

Calibration Report

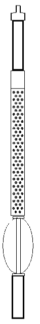
Database File:	vprc124041607b.db
Dataset Pathname:	pass1
Dataset Creation:	Mon Apr 16 09:38:53 2007 by Log Open-Cased 061129

Cement Bond Log Calibration Report

Serial Number:	Titan2		
Tool Model:	2		
Performed:	Tue Apr 03 12:22:40 2007		
Depth:	131.206	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	85	85	mV
Reading at Signal Zero:	0.00546875	0.00556641	V
Reading in Free Pipe:	1.91	1.48699	V
Gain:	44.1053	56.7022	
Offset:	1	0.684372	

Gamma Ray Calibration Report

Serial Number:	TITAN2POINT	
Tool Model:	T2POINT	
Performed:	Mon Apr 02 12:28:07 2007	
Calibrator Value:	240.0	GAPI
Background Reading:	40.0	cps
Calibrator Reading:	200.0	cps
Sensitivity:	1.0500	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
GR	13.64		GR-T2POINT (TITAN2POINT)	2.52	2.44	25.00
WVF5 WVF3	9.49 8.49		CBL-2 (Titan2)	7.23	2.44	110.00
			X	3.00	1.69	25.00
CCL	0.83		CCL-T5 (Titan5) Long	2.15	2.75	15.00

Dataset:	vprc124041607b.db: field/well/run1/pass1
Total Length:	15.66 ft
Total Weight:	180.00 lb
O.D.	2.75 in