SUPERIOR WELL SERVICES

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 "ST" 38
Field	Purgatorie River
County	Las Animas
State	CO

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Well	VPR "ST" 38		
Field	Purgatorie River		
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Location: API # : 05-071-08357-00

687' FNL & 2121' FEL

SEC 8 TWP 35S RGE 65W

Other Services

Permanent Datum	Ground Level	Elevation	6855'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. ------
D.F. ------
G.L. 6855'

Date	10-13-07		
Run Number	ONE		
Depth Driller	1255'		
Depth Logger	1135'		
Bottom Logged Interval	1131'		
Top Log Interval	Surface		
Open Hole Size	7 7/8"		
Type Fluid	Water		
Density / Viscosity	///		
Max. Recorded Temp.	80 DEG F		
Estimated Cement Top	surface		
Time Well Ready	Portable Mast		
Time Logger on Bottom	10:00 AM		
Equipment Number	T0700		
Location	Trinidad		
Recorded By	K. Lucero		
Witnessed By	Mr. K. Evanson		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"			336'
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

Well Directions:

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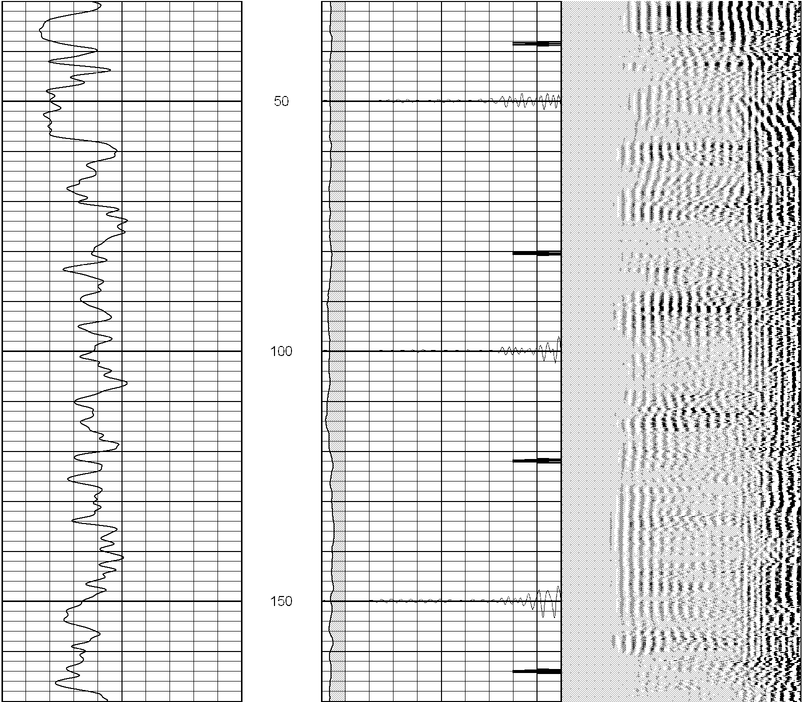
Main Pass

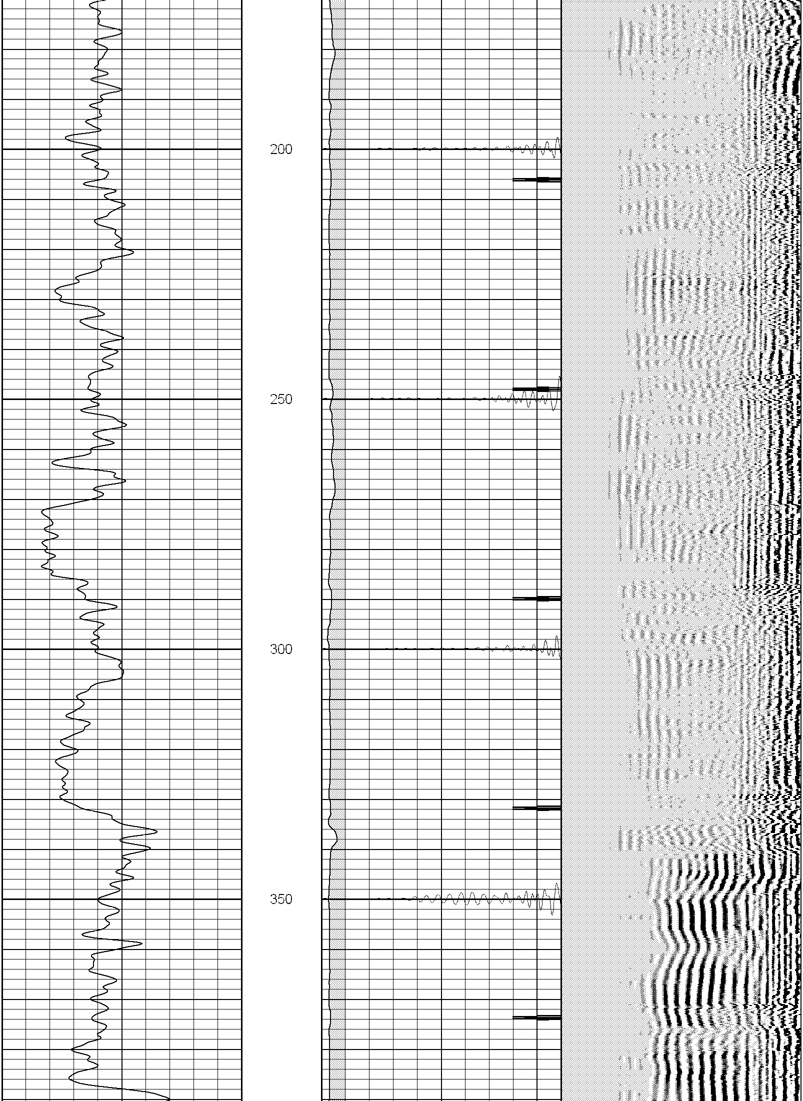
Database File:	vprst38101307b.db
Dataset Pathname:	pass2
Presentation Format:	cblrt
Dataset Creation:	Sat Oct 13 22:40:21 2007 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240

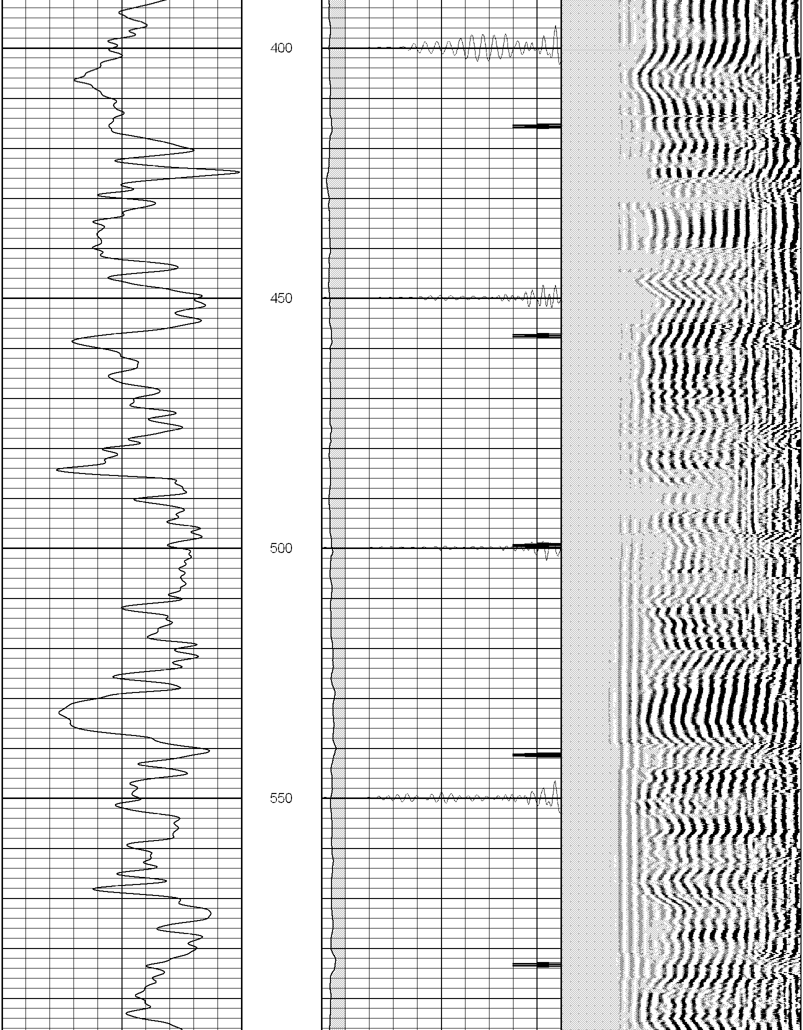
0 GR (GAPI) 200
400 TT3 (usec) 200
200 GR (GAPI) 400

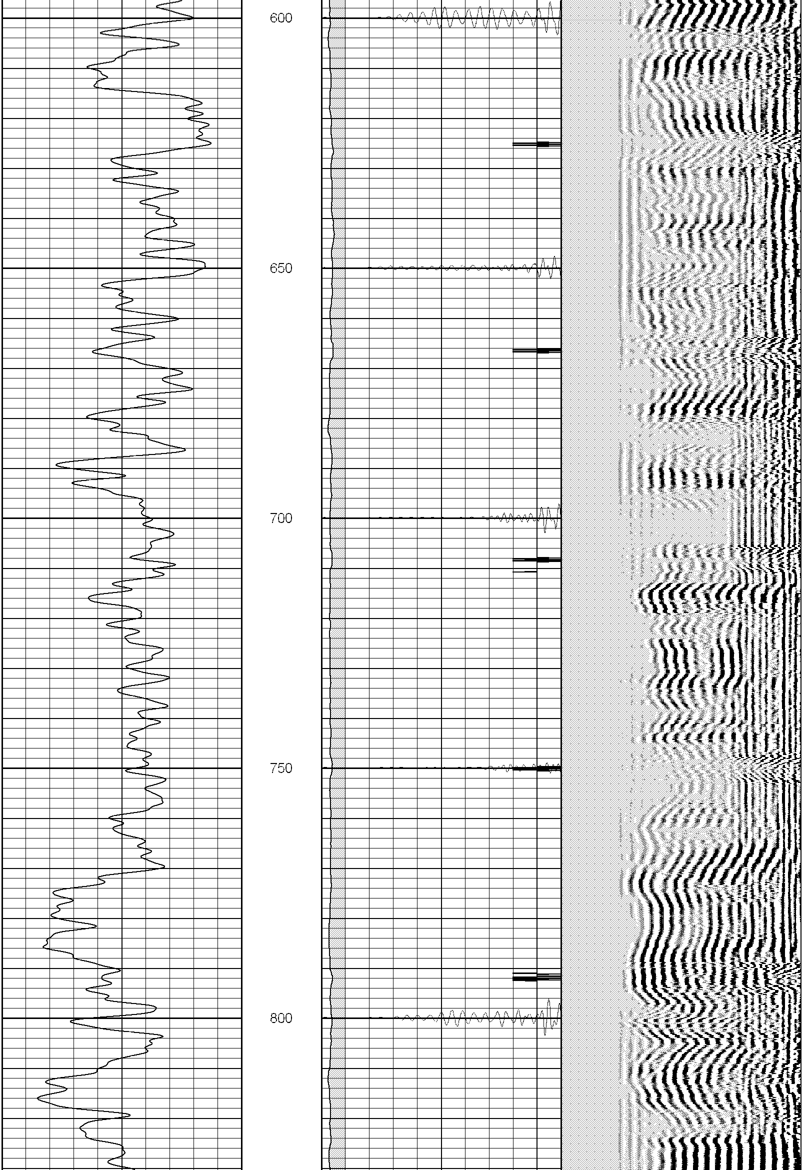
0 Amplitude (mV) 100
18 CCL -2
200 CBL5 1200

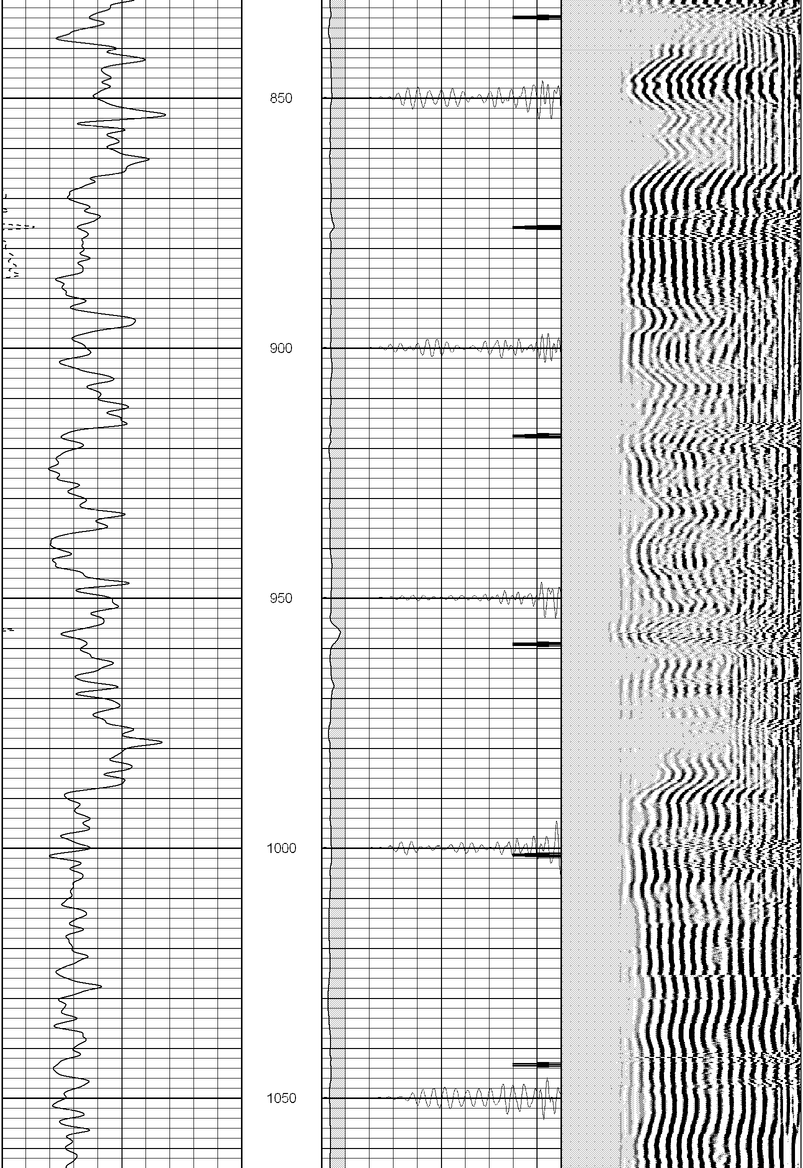
200 VDL 1200

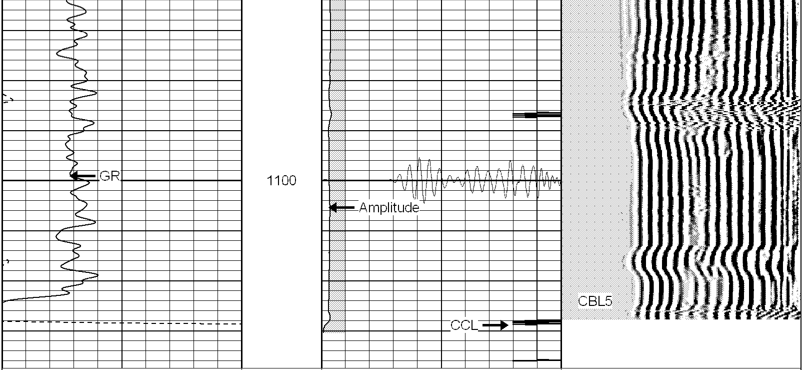












0	GR (GAPI)	200	0	Amplitude (mV)	100	200	VDL	1200
400	TT3 (usec)	200	18	CCL	-2			
200	GR (GAPI)	400	200	CBL5	1200			

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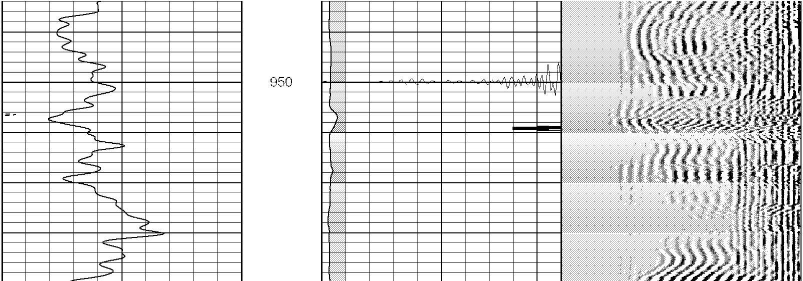
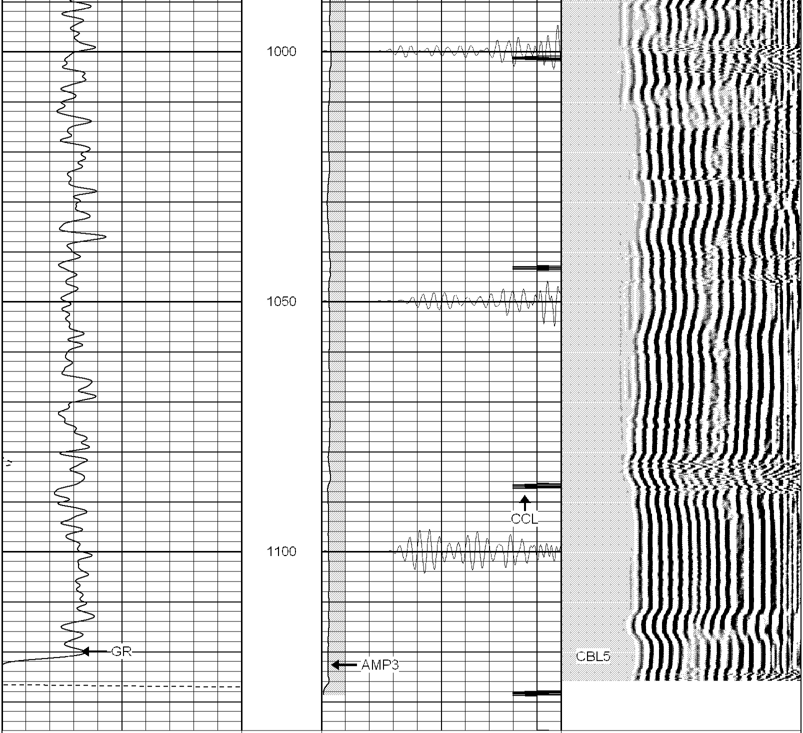
Repeat Pass

Database File: vprst38101307b.db
Dataset Pathname: pass1
Presentation Format: cblrt
Dataset Creation: Sat Oct 13 22:33:21 2007 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	0	Amplitude (mV)	100	200	VDL	1200
400	TT3 (usec)	200	18	CCL	-2			
200	GR (GAPI)	400	200	CBL5	1200			





0	GR (GAPI)	200	0	Amplitude (mV)	100	200	VDL	1200
400	TT3 (usec)	200	18	CCL	-2		░▒▓█	
200	GR (GAPI)	400	200	CBL5	1200			

Calibration Report

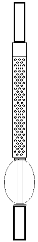
Database File: vprst38101307b.db
Dataset Pathname: pass1
Dataset Creation: Sat Oct 13 22:33:21 2007 by Log Open-Cased 070814

Cement Bond Log Calibration Report

Serial Number:	Titan5		
Tool Model:	T5		
Performed:	Tue Oct 02 20:23:02 2007		
Depth:	0	ft	
Casing Diameter:	0	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	85	85	mV
Reading at Signal Zero:	0	0.01	V
Reading in Free Pipe:	1.22	0.9	V
Gain:	68.8525	94.382	
Offset:	1	0.0561798	

Gamma Ray Calibration Report

Serial Number:	Titan5	
Tool Model:	T2	
Performed:	Tue Oct 02 20:23:18 2007	
Calibrator Value:	200.0	GAPI
Background Reading:	54.0	cps
Calibrator Reading:	219.0	cps
Sensitivity:	1.1600	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	13.64		GR-T2 (Titan5)	2.52	2.44	25.00
WVF5 WVF3	9.49 8.49		CBL-T5 (Titan5)	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:	vprst38101307b.db: field/well/run1/pass1
Total Length:	14.91 ft
Total Weight:	175.00 lb
O.D.	2.75 in