NUEX WIRELINE

GAMMA RAY / CCL
CEMENT BOND
VDL

Company	Petroleum Development Corporation		
Well	Williamson # 43-12		
Field	Wattenberg		
County	Weld	State	Colo.

Location

Sec-12, Twp-6N, Rge-65W
1983' FSL & 668' FEL
NE / SE

Other Services
perforate

Company
Well
Field
County
State

Permanent Datum	GL	Elevation	4700	Elevation
Log Measured From	KB			K.B. 4710
Drilling Measured From	KB			D.F. 4709
				G.L. 4700

Date	3-13-02
Run Number	one
Depth Driller	7204
Depth Logger	7122
Bottom Logged Interval	7116-6100
Top Log Interval	3700-3000
Open Hole Size	
Type Fluid	water
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	T2 G4 B2
Location	WCR70+WCR49,N3/10,Winto
Recorded By	R D Meisner
Witnessed By	Steve Trippett

	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	4.5			
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 wilful 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

THANK-YOU FOR USING "NUEX" WIRELINE SERVICES INC. !!!
970.526.1084

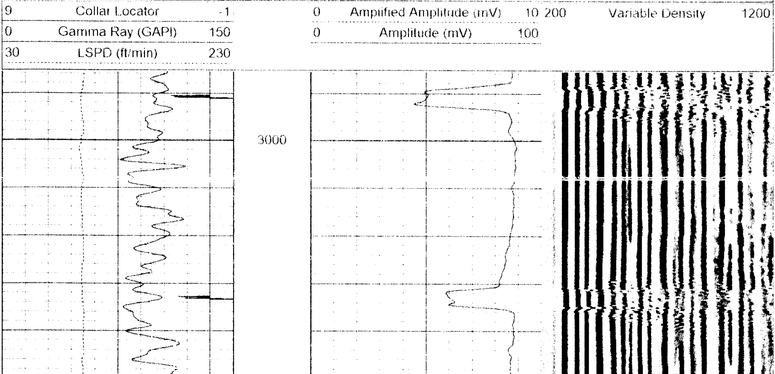
Cement Bond Log Calibration Report

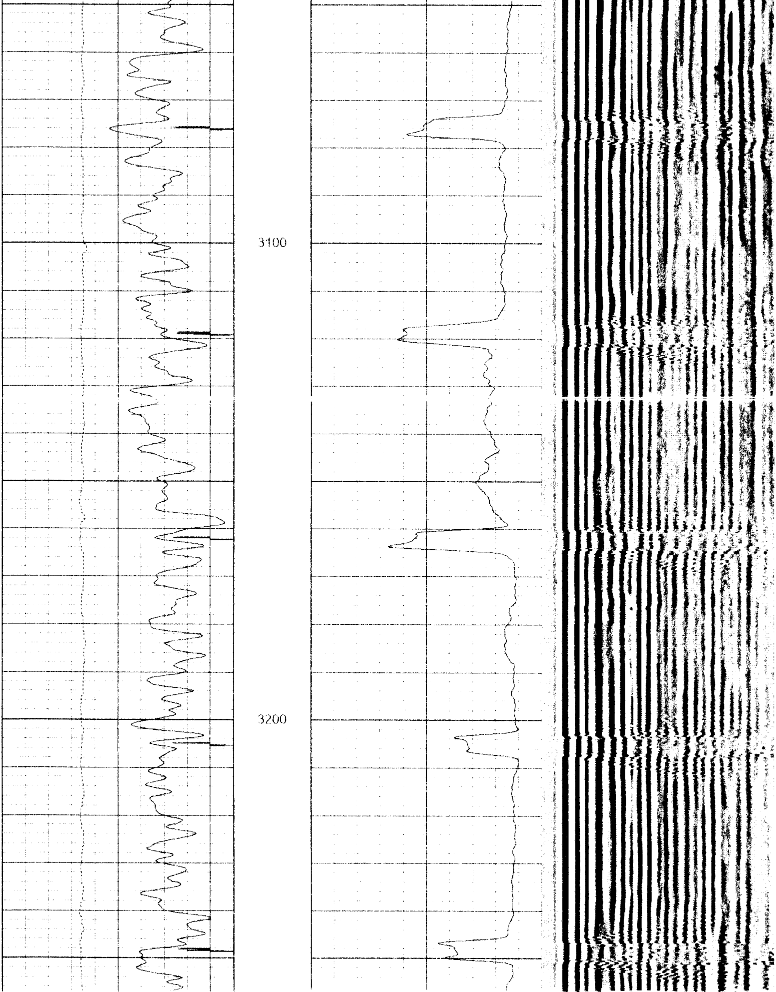
Serial Number:	001	
Tool Model:	sie	
Performed:	Wed Mar 13 13:34:22 2002	
Depth:	1061 63	ft
Casing Diameter:	4 5	in
	3' Spacing	
Signal Zero:	1	mV
Calibrated Amplitude:	61 1961	mV
Reading at Signal Zero:	0 148633	V
Reading in Free Pipe:	3 78818	V
Gain:	23	
Offset:	0.21	

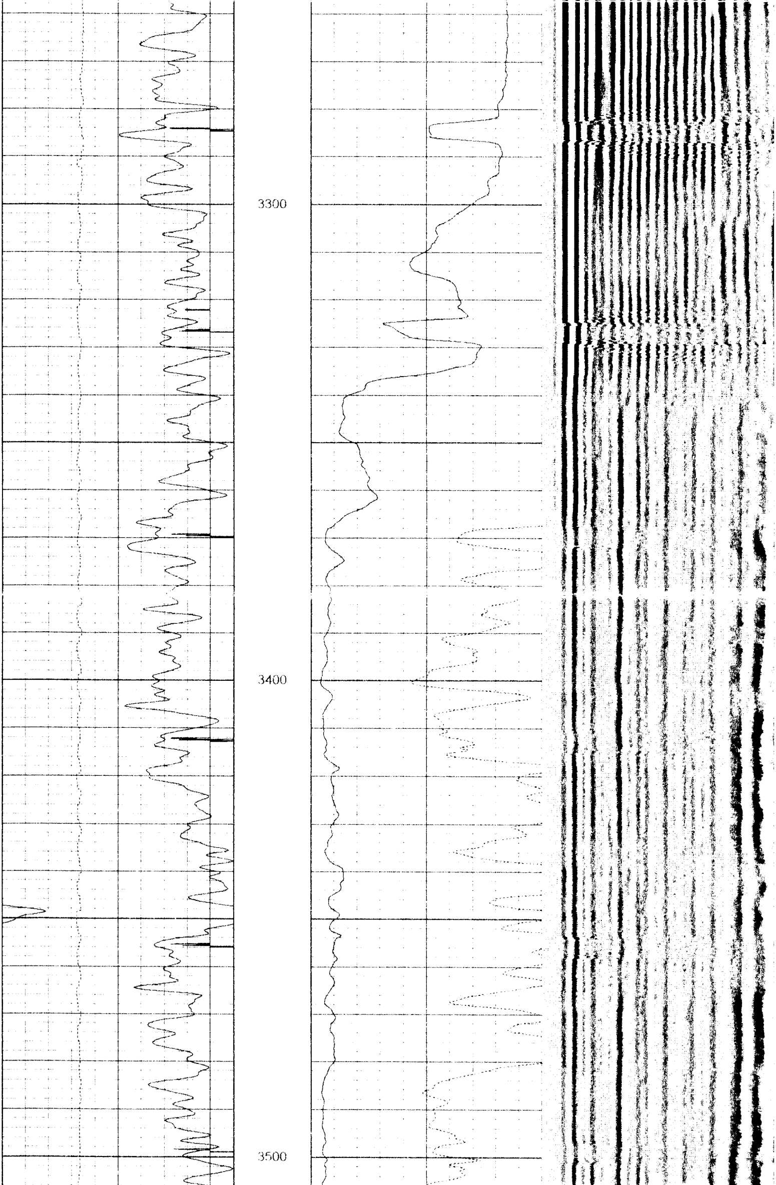
Gamma Ray Calibration Report

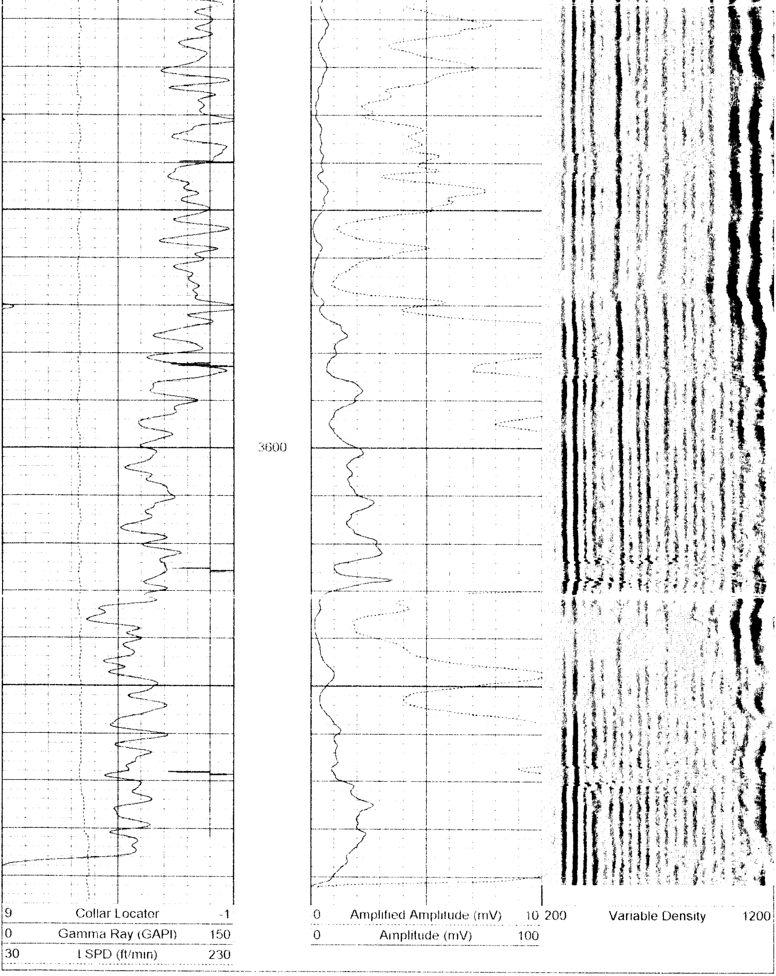
Serial Number:	001	
Tool Model:	SIE	
Performed:	Wed Mar 13 13:18:48 2002	
Calibrator Value:	60	GAPI
Background Reading:	0	cps
Calibrator Reading:	120	cps
Sensitivity:	0 88	GAPI/cps

Database File:	pdc4312 db
Dataset Pathname:	pass2
Presentation Format:	cbl01 prs
Dataset Creation:	Wed Mar 13 13:58:53 2002 by Log VER_5.4
Charted by:	Depth in Feet scaled 1:240

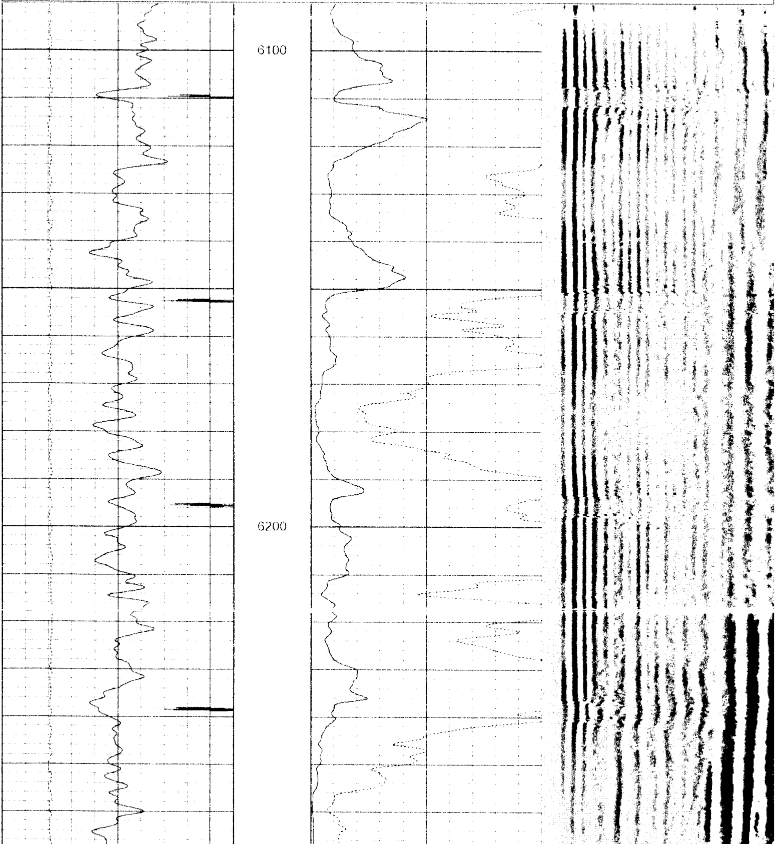
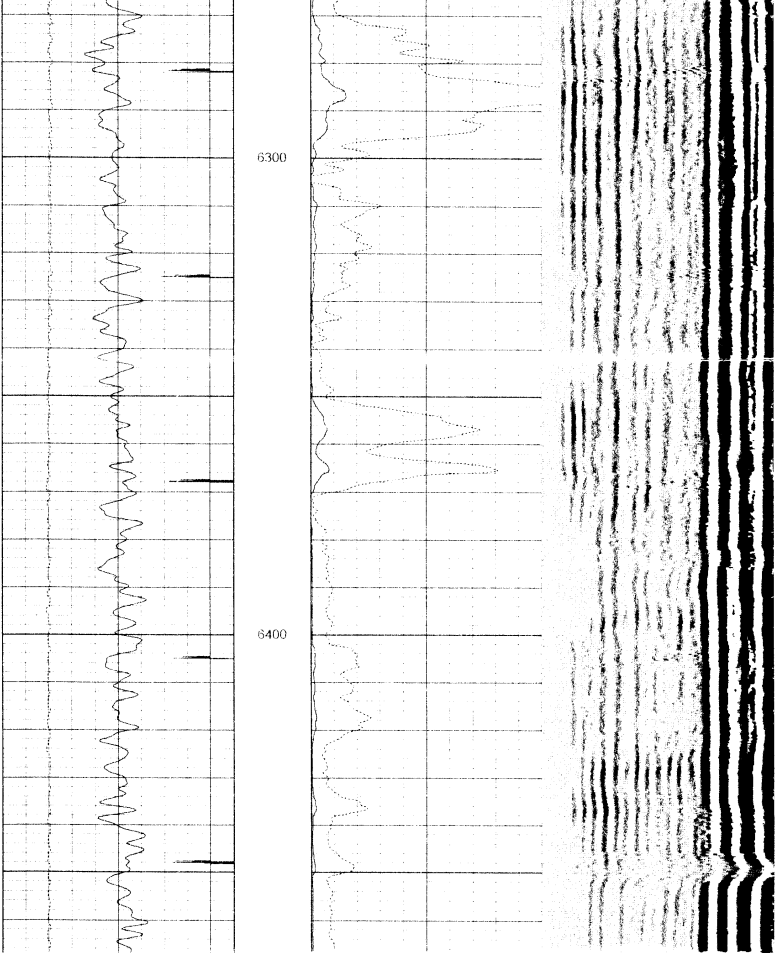
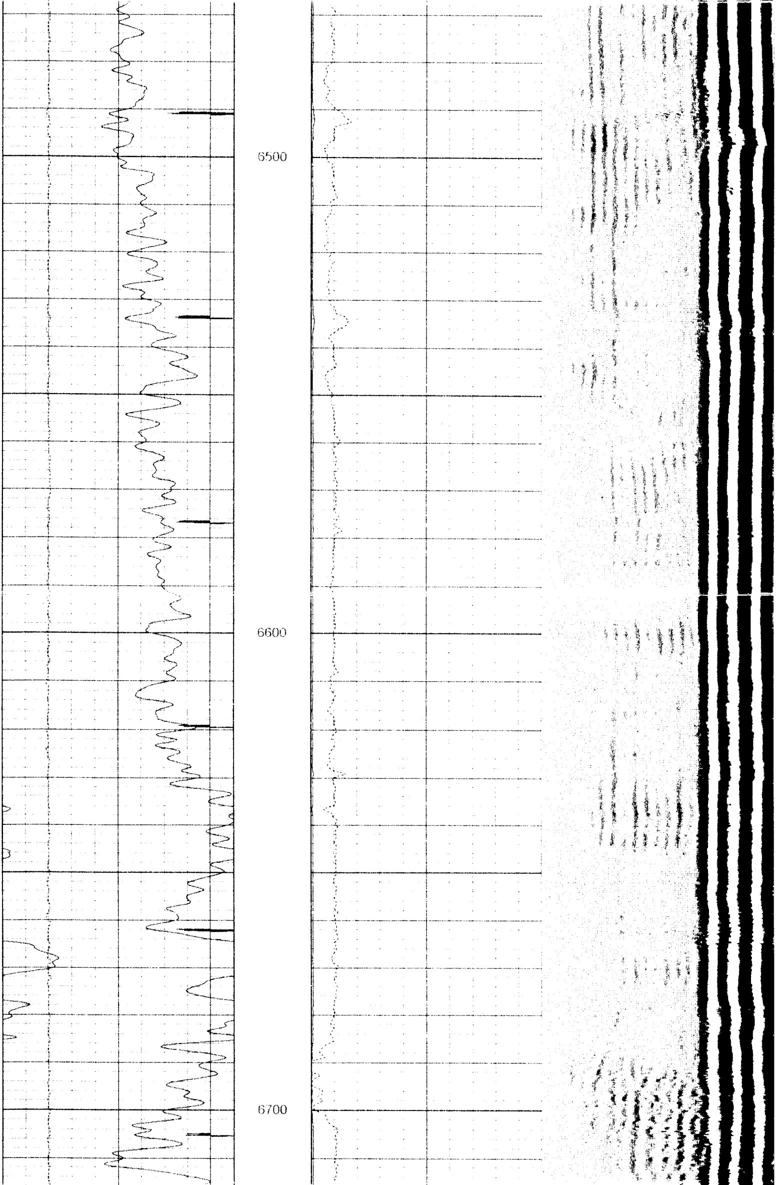
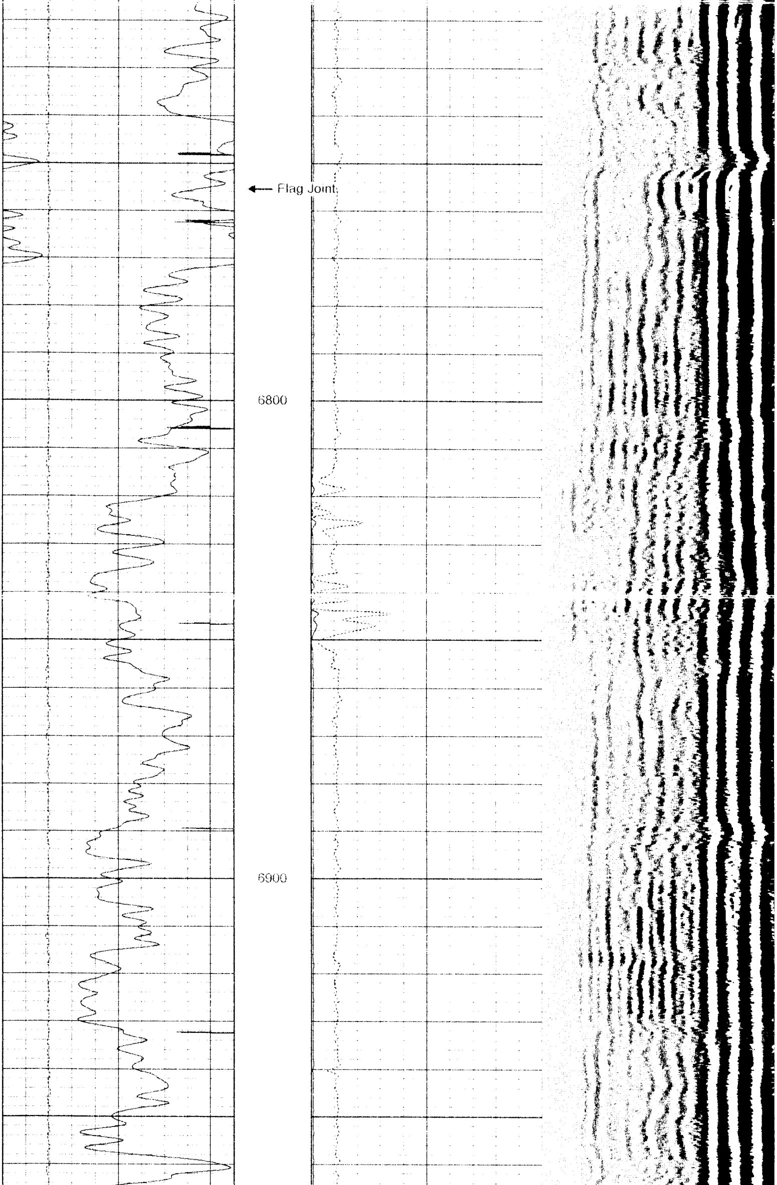
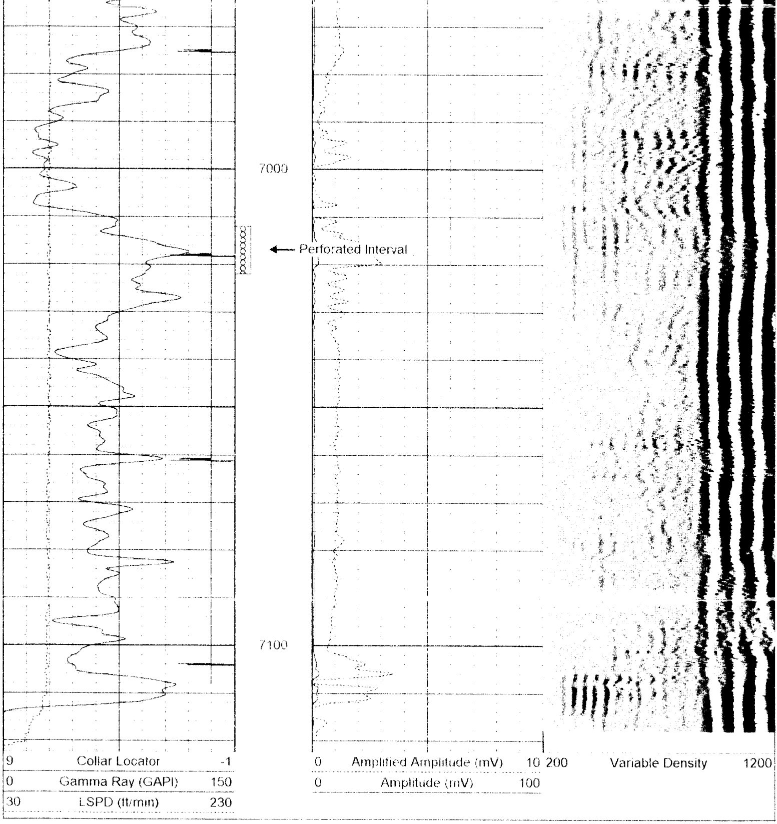








Database File: pdc4312.db
Dataset Pathname: pass1
Presentation Format: cbl01.prs
Dataset Creation: Wed Mar 13 13:37:32 2002 by Log VER_5.4
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100			
30	LSPD (ft/min)	230