SUPERIOR WELL SERVICES

CEMENT BOND LOG
GAMMA RAY C C L
V D L

Company	Noble Energy INC.
Well	ADAMS D30-30D
Field	Wattenberg
County	Weld
State	Colorado

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Well ADAMS D30-30D
Field Wattenberg
County Weld
State Colorado

Location: API #:

SHL: 154' FNL & 2115' FWL NE NW
BHL: 75' FSL & 75' FEL

SEC 30 TWP 3N RGE 64W

Other Services

Permanent Datum	GL	Elevation	4782
Log Measured From	KB 14'		
Drilling Measured From	KB		

Elevation
K.B. 4796
D.F. 4795
G.L. 4782

Date	August 23, 2012		
Run Number	One		
Depth Driller	7651		
Depth Logger	7626		
Bottom Logged Interval	7625		
Top Log Interval	1010		
Casing Size	4.50"		
Type Fluid	Water		
Max. Recorded Temp.	232 deg F		
Estimated Cement Top	2079		
Time Well Ready	Crane		
Time Logger On Bottom	AM		
Unit Number	ND		
Tool Size / ID Number	2.75 Probe 101010	2.75 Probe 110802	
Location	45	Platteville, CO	
Recorded By	K. Monaghan		
Witnessed By	M. Gibson		

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"	24 lb/ft J-55	Surface	732
Prot. String				
Production String	4 1/2"	11.6 lb/ft M-80	Surface	7697
Liner				

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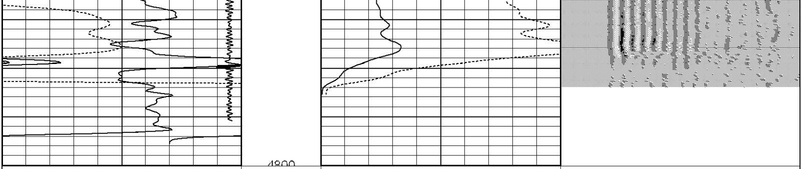
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Thank You For Choosing Superior Well Services!!!
NO OPEN HOLE LOG TO CORRELATE WITH!
Wirline Zero @ 14' KB
Directions 30 & 49, E 4/10, S Into
(Center/West Well of 4 Well Pad)

Database File:	cbladams d30-30d.db
Dataset Pathname:	pass3
Presentation Format:	noble en
Dataset Creation:	Thu Aug 23 08:00:43 2012 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240



80 CCL -4

30 Gamma Ray (GAPI) 130

340 TT3 (usec) 240

0 *Amplified Amplitude (mV)* 30

0 *Amplitude (mV)* 100

200 Variable Density 1200

Database File: cbladams d30-30d.db
Dataset Pathname: pass2
Presentation Format: noble en
Dataset Creation: Thu Aug 23 07:34:52 2012 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

80 CCL -4

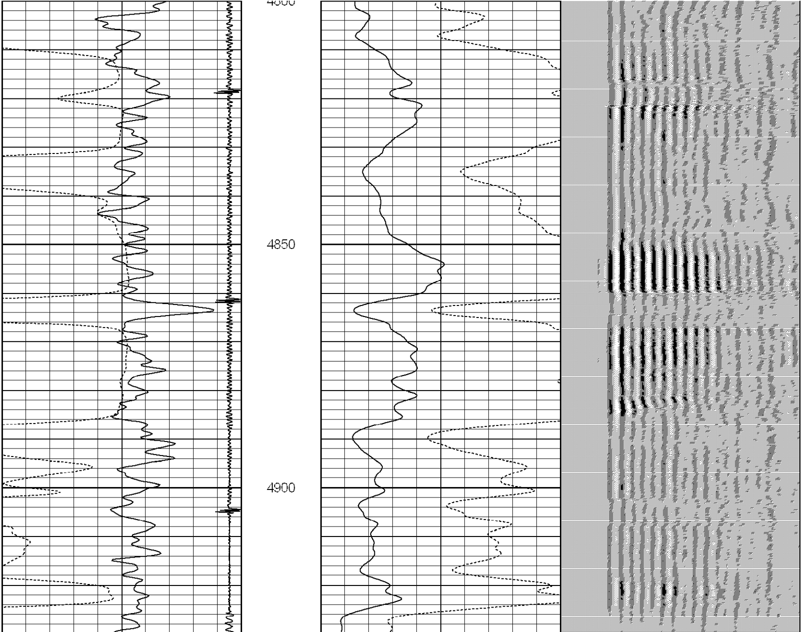
0 Gamma Ray (GAPI) 150

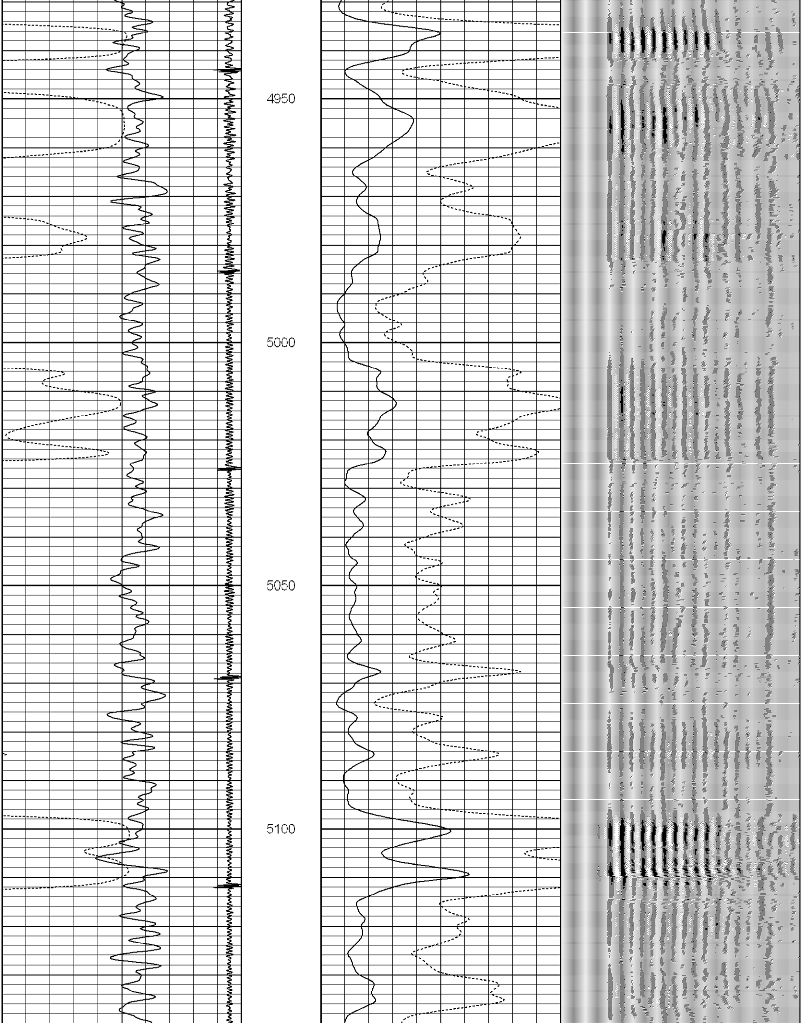
340 TT3 (usec) 240

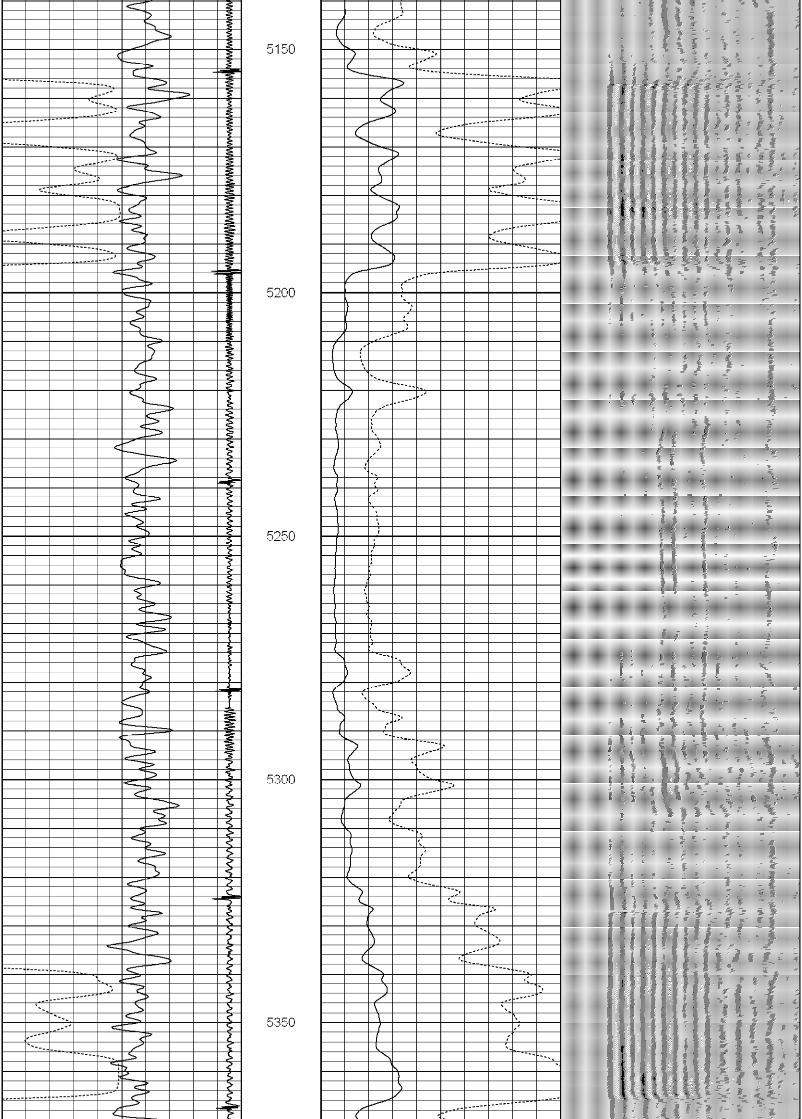
0 Amplified Amplitude (mV) 30

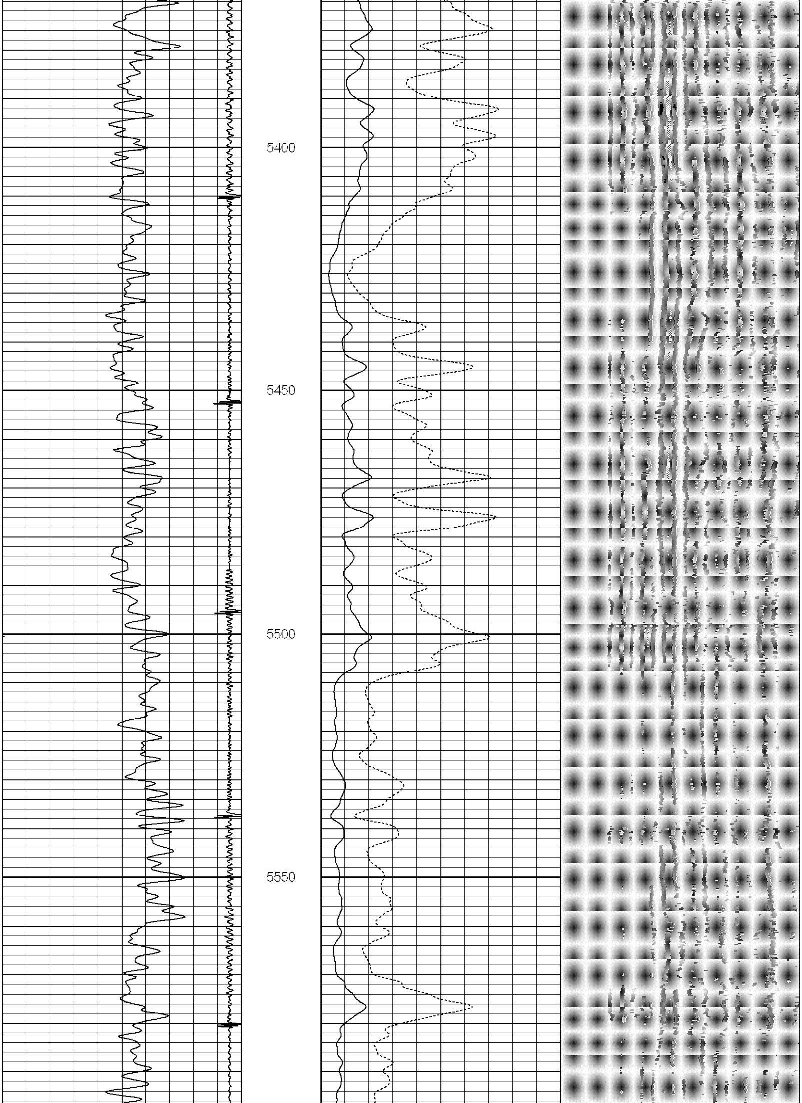
0 Amplitude (mV) 100

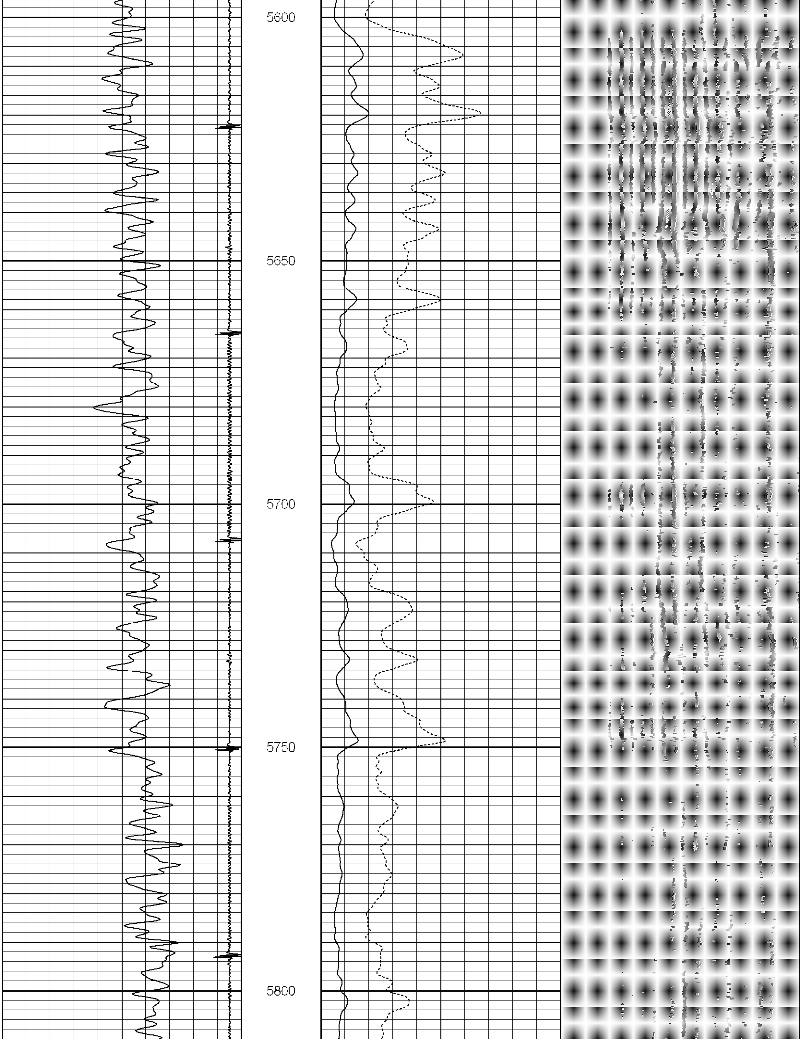
200 Variable Density 1200

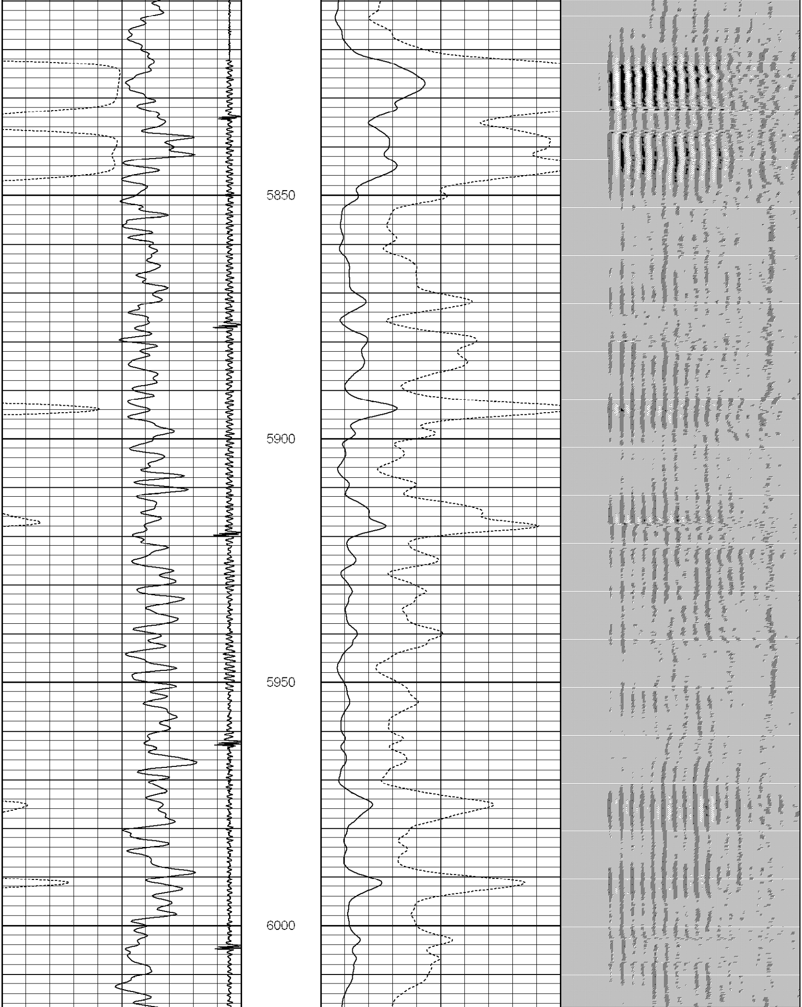


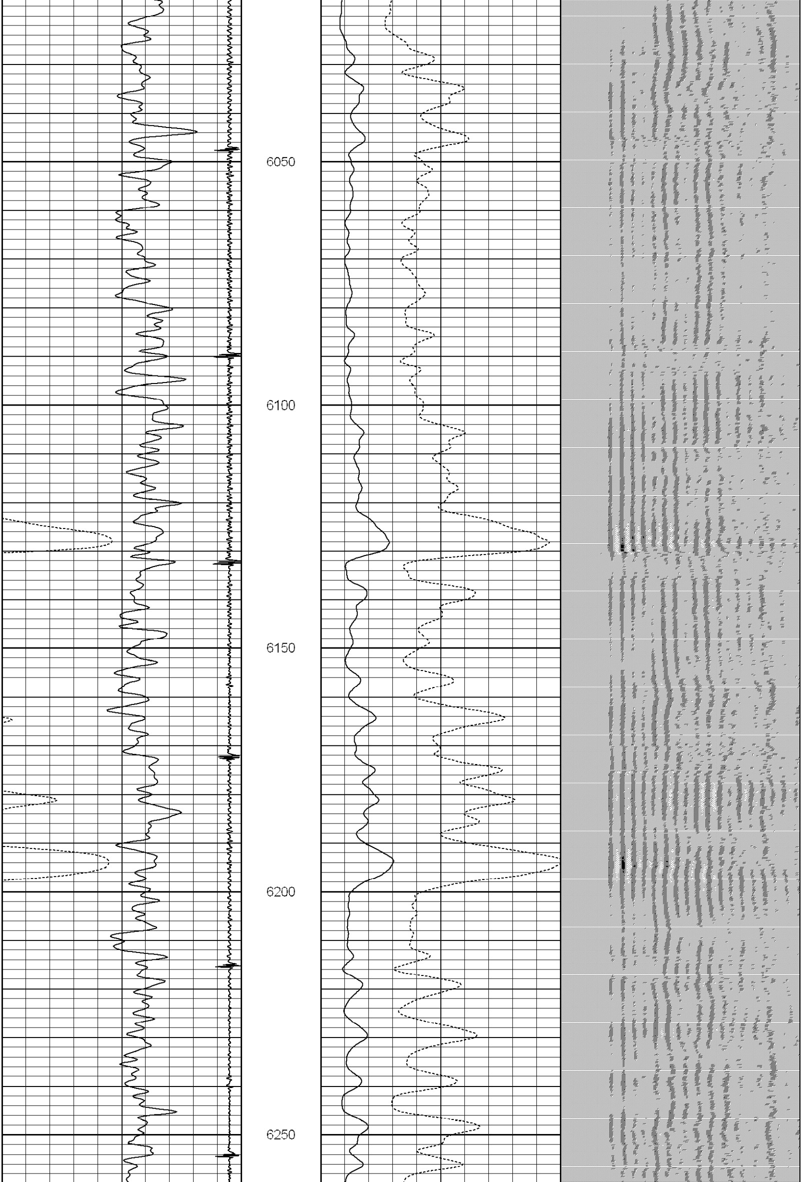


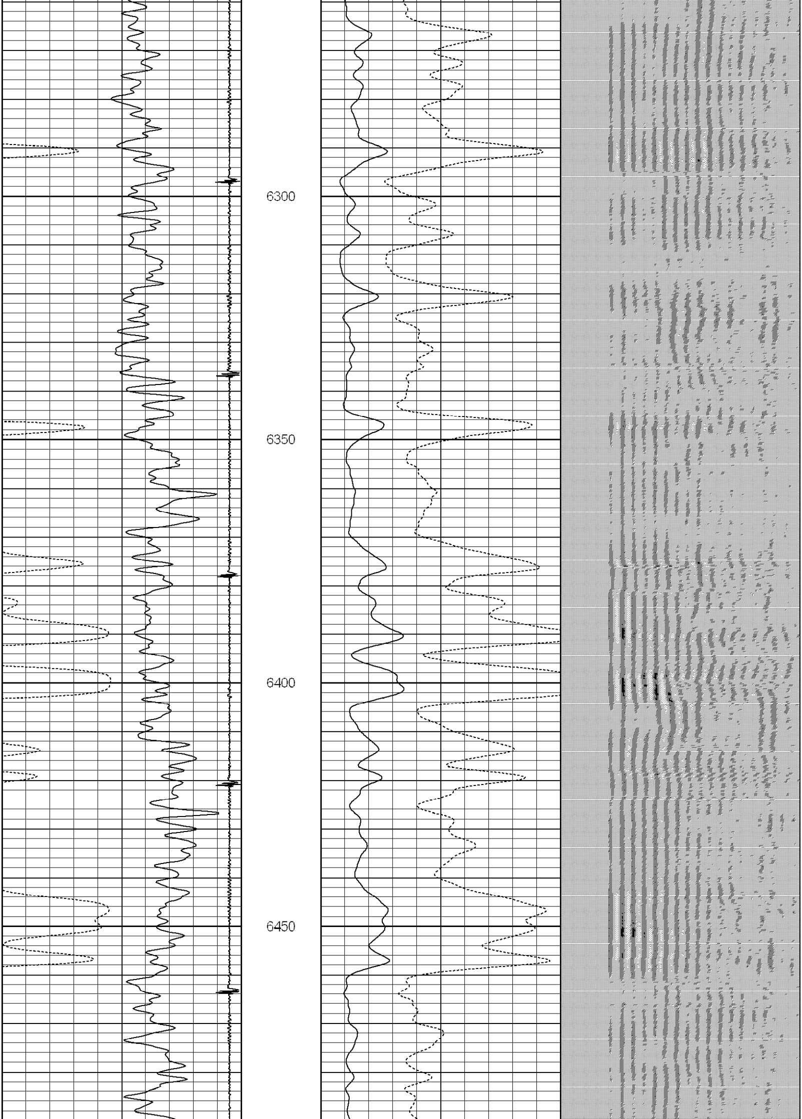


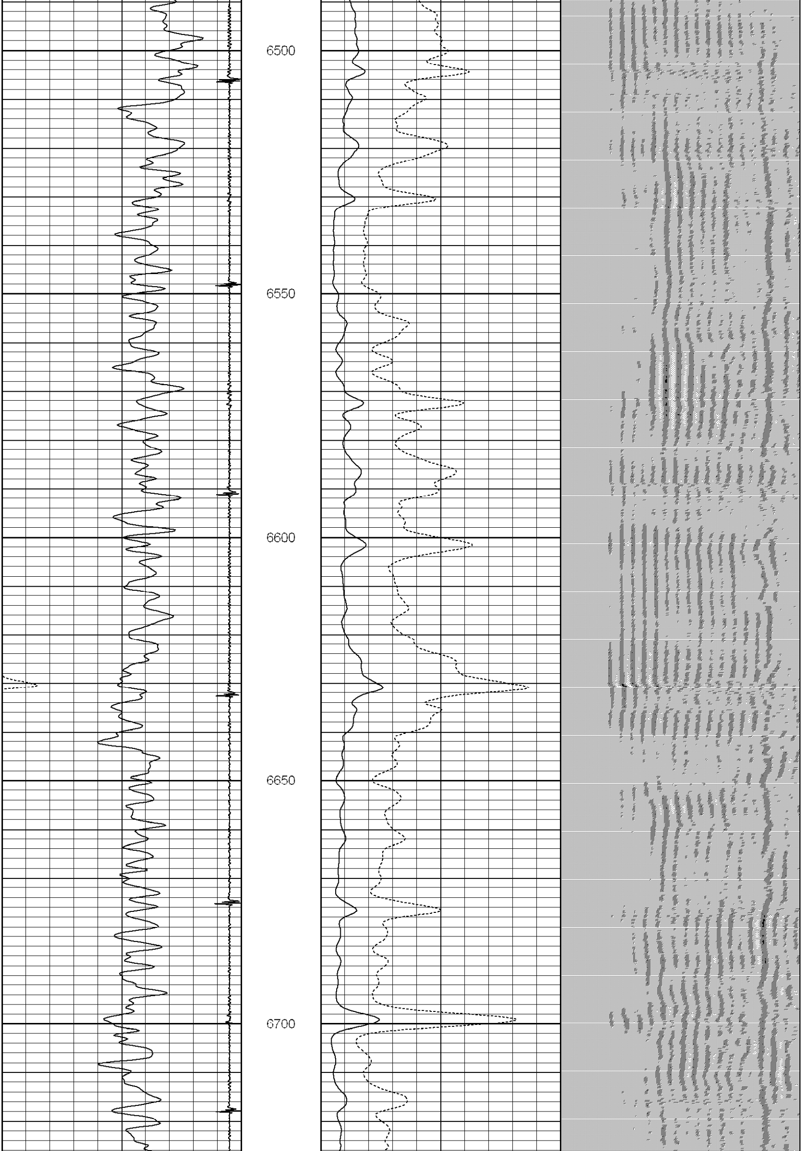


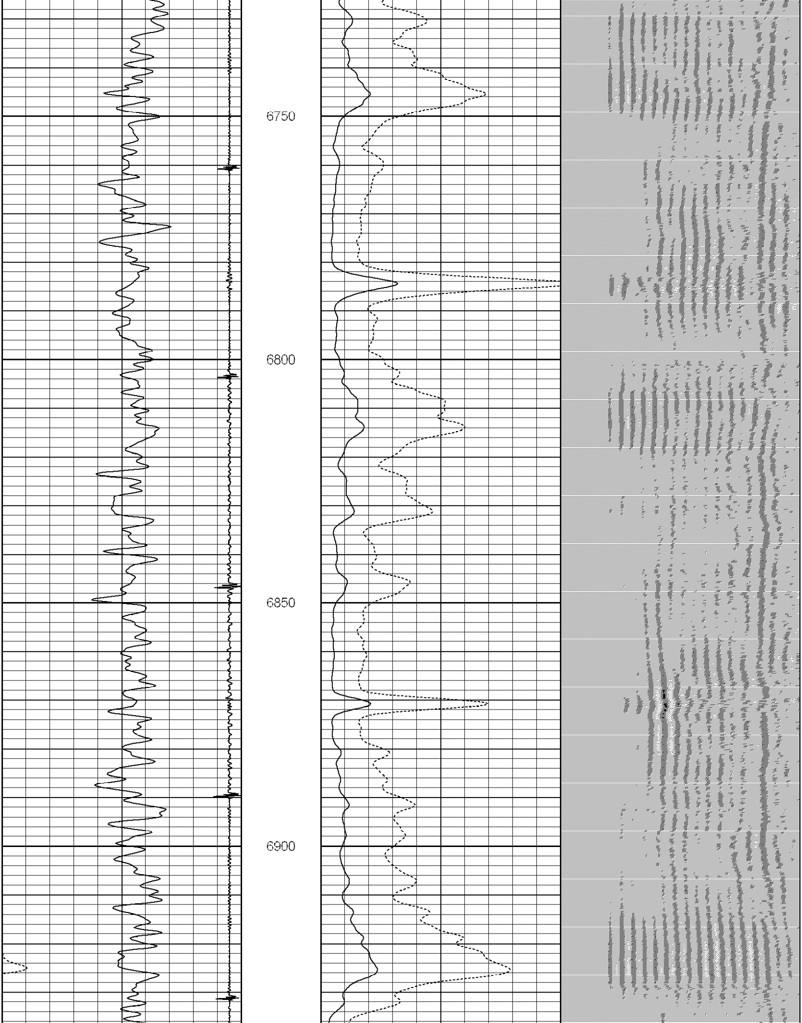


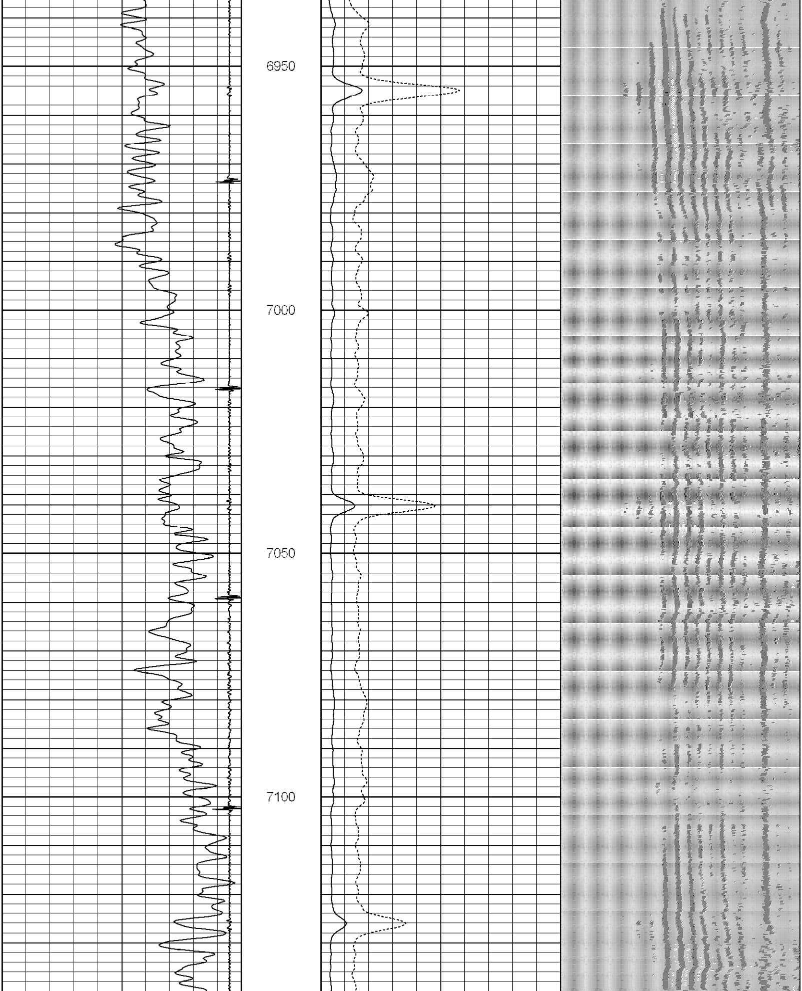


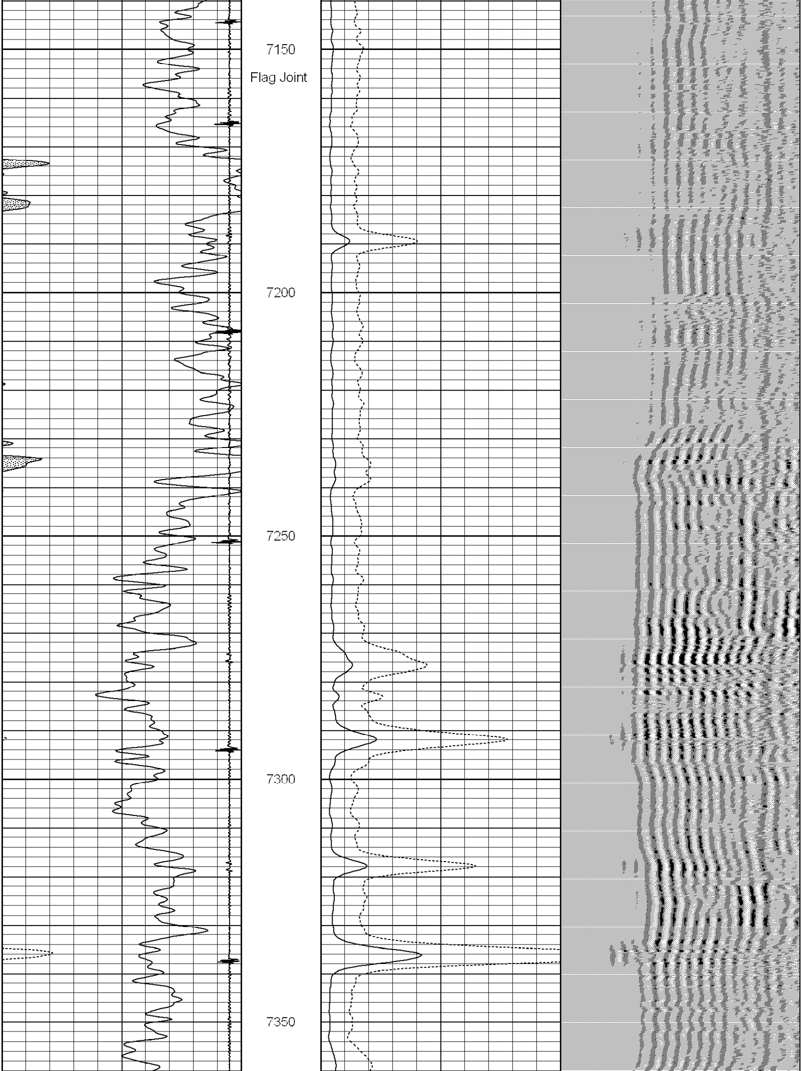


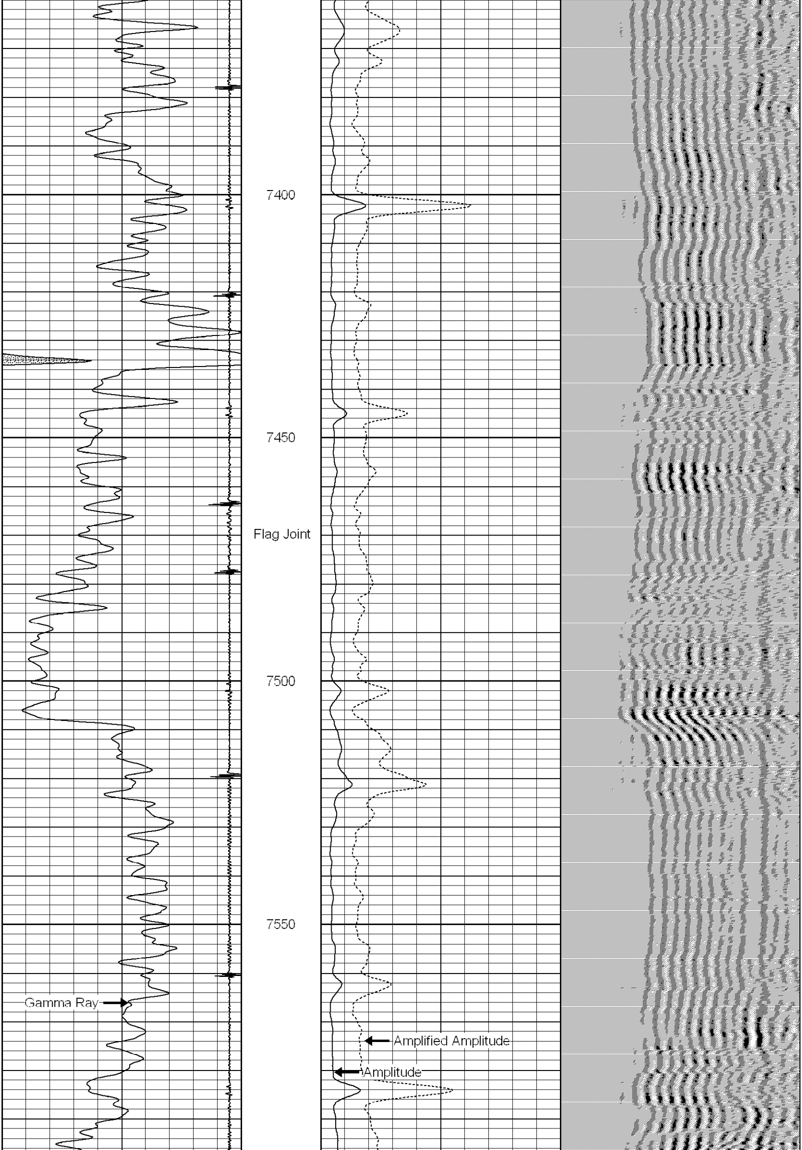


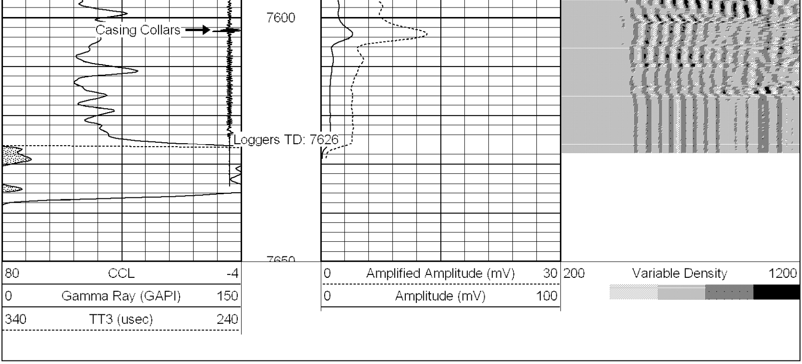












Calibration Report

Database File:	cbladams d30-30d.db
Dataset Pathname:	pass3
Dataset Creation:	Thu Aug 23 08:00:43 2012 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Tue May 08 12:44:30 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6800			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number:	110802
Tool Model:	Probe275Digital
Performed:	Thu Aug 23 06:53:48 2012

Depth:	-344.042	ft
Casing Diameter:	4.5	in

	3' Spacing	5' Spacing	
Signal Zero:	0.7	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.000537109	-0.000341797	V
Reading in Free Pipe:	2.49861	2.35803	V
Gain:	32.2094	34.4288	
Offset:	0.7173	0.0117677	