Company Encana Oil & Gas (USA) Inc.
Well Francis Arens 6-4-15
Field Wattenberg
County Weld State Colorado

HALLIBURTON

Gamma Ray C.C.L.
Cement Bond V.D.L.

Company **Encana Oil & Gas (USA) Inc.**
Well **Francis Arens 6-4-15**
Field **Wattenberg**
County **Weld** State **Colorado**

API No.: 05-123-24742-00 Serv #: 5679686
Location: SHL: 2045' FSL & 6687' FEL
BHL: 2590' FSL & 1320' FEL
NE SE

Sec: 15 Twp: 4N Rge: 65W

Other Services

Permanent Datum	GL	Elevation 4693	Elevation K.B. 4708 D.F. 4707 G.L. 4693
Log Measured From	KB , 16 Ft. above perm. datum		
Drilling Measured From	KB		

Date @ Time Logged	February 11, 2008	Type Fluid in Hole	Water
Run No.	One	Density of Fluid	Water
Depth - Driller	7782	Fluid Level	Surface
Depth - Logger	7716	Cement Top Est. Logged	6444
Bottom - Logged Interval	7714	Equipment / Location	10842980 / Brighton
Top - Log Interval	3961	Recorded by	Scott Dizmang
Max. Recorded Temp.	NOT RECORDED	Witnessed by	Brad Boehm

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Primary / Squeeze		D.V. Tool @4767	TOC 4074	
Date / Time Cemented				
Expected Compressive Strength	psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs
Cement Volume				
Cement Type / Weight	/	50/50 Premium	Premium /	/
Formulation		1.340 Yield	1.5 Yield	
Mud Type / Mud Wgt.	/	/	/	/

Borehole Record				Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.5	11.6	TD	Surface

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HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHCIH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

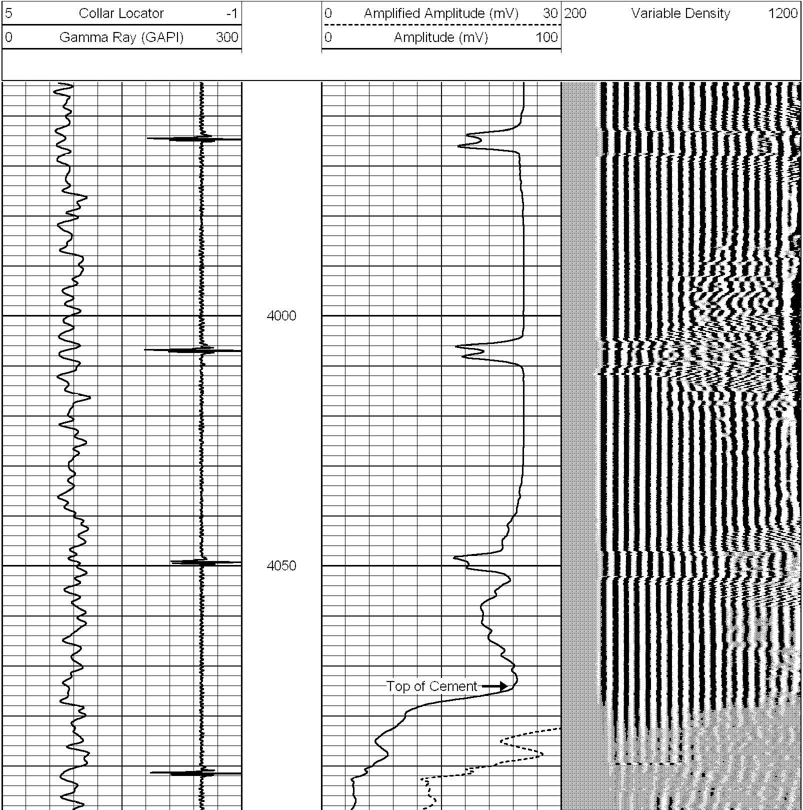
Comments

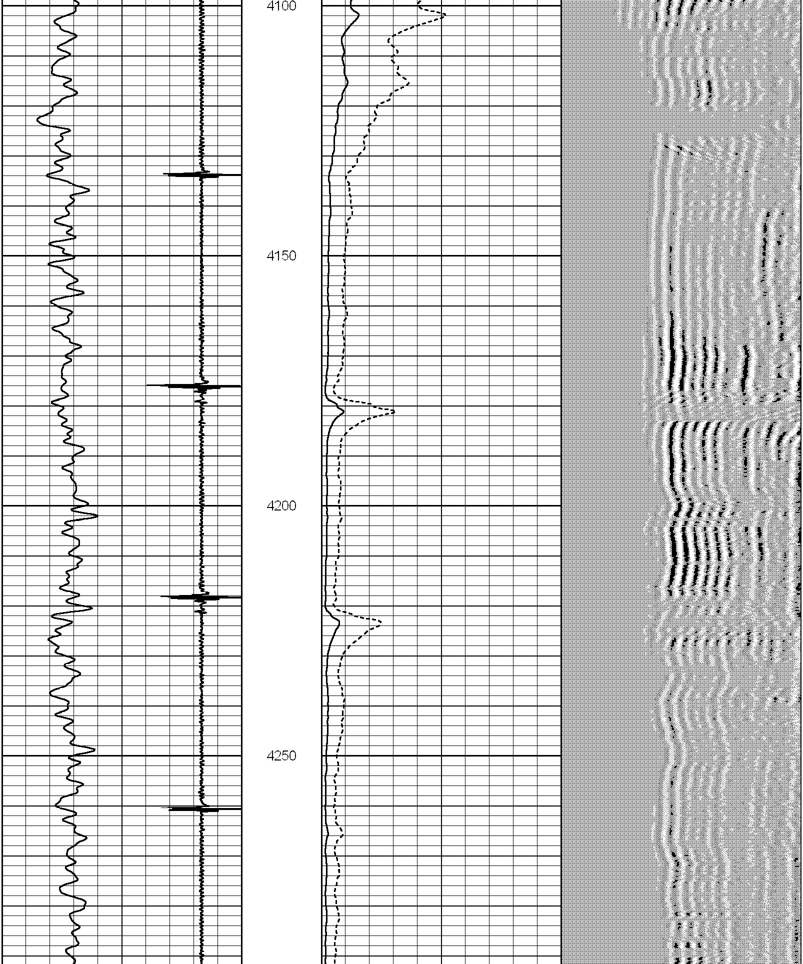
Corrected uphole 4 ft to correlate to PSI openhole
dated February 3, 2008. Pass two recorded under 1000 psi.

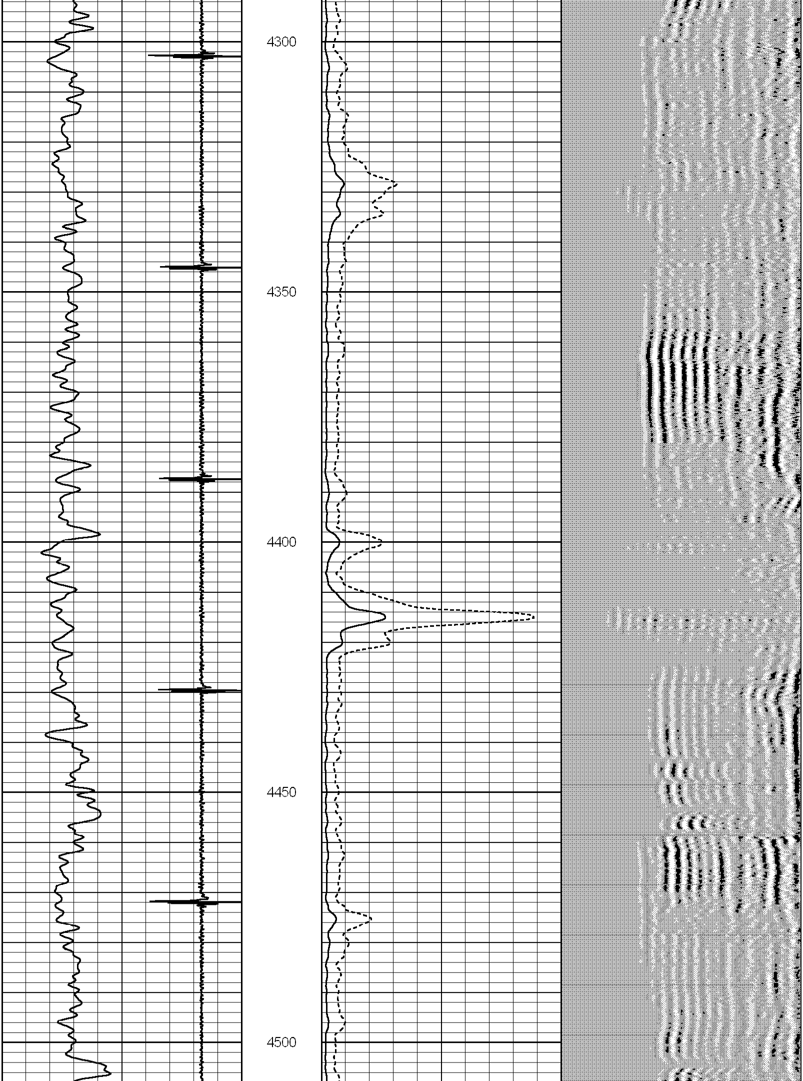
HALLIBURTON

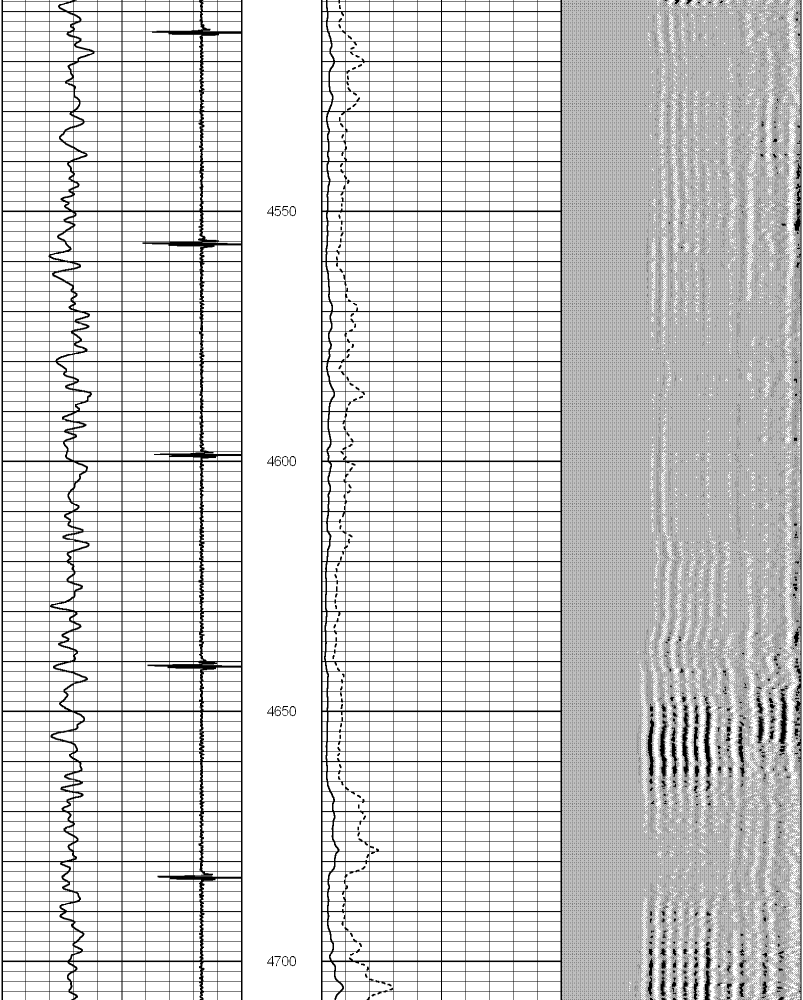
LOGGED UNDER 1000 PSI.

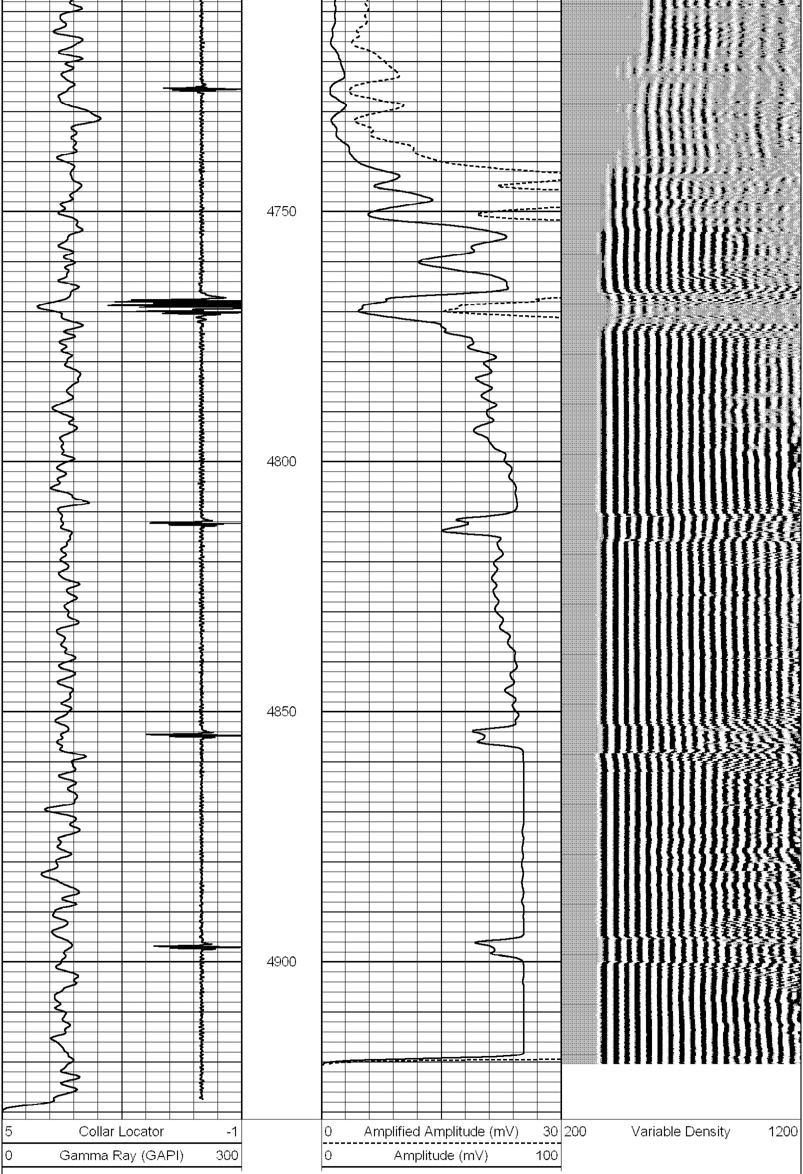
Database File:	francis arens 6-4-15.db
Dataset Pathname:	pass4
Presentation Format:	cbldig
Dataset Creation:	Tue Feb 12 00:01:21 2008 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240











HALLIBURTON

LOGGED UNDER 1000 PSI.

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Presentation Format: cbldig
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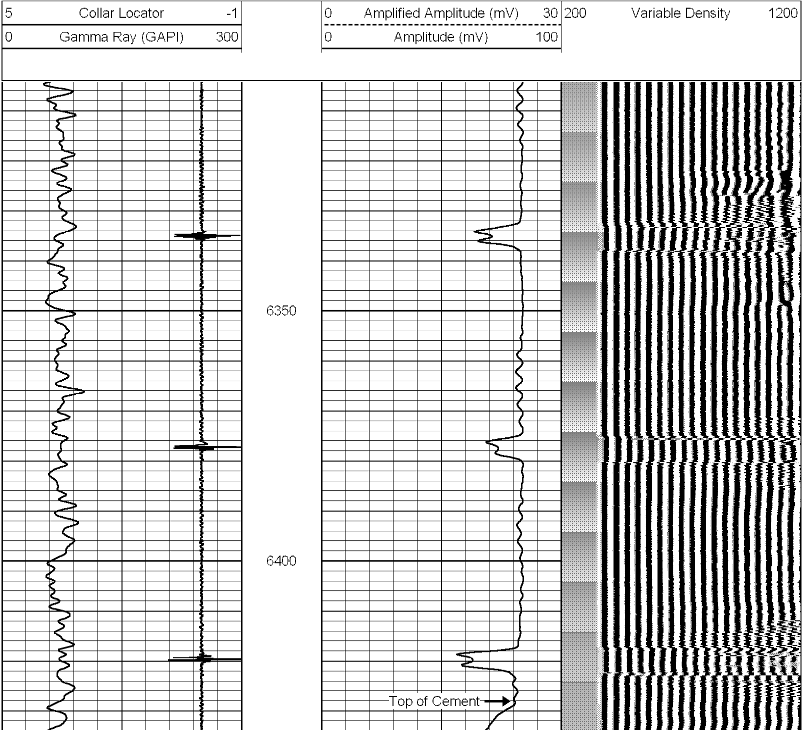
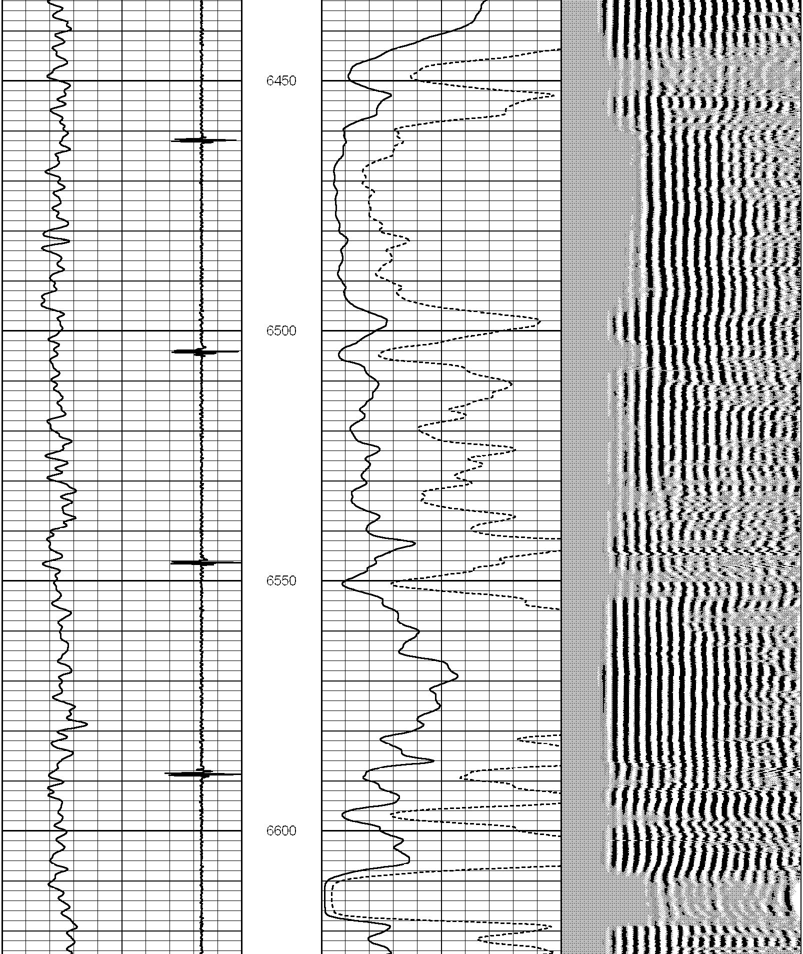
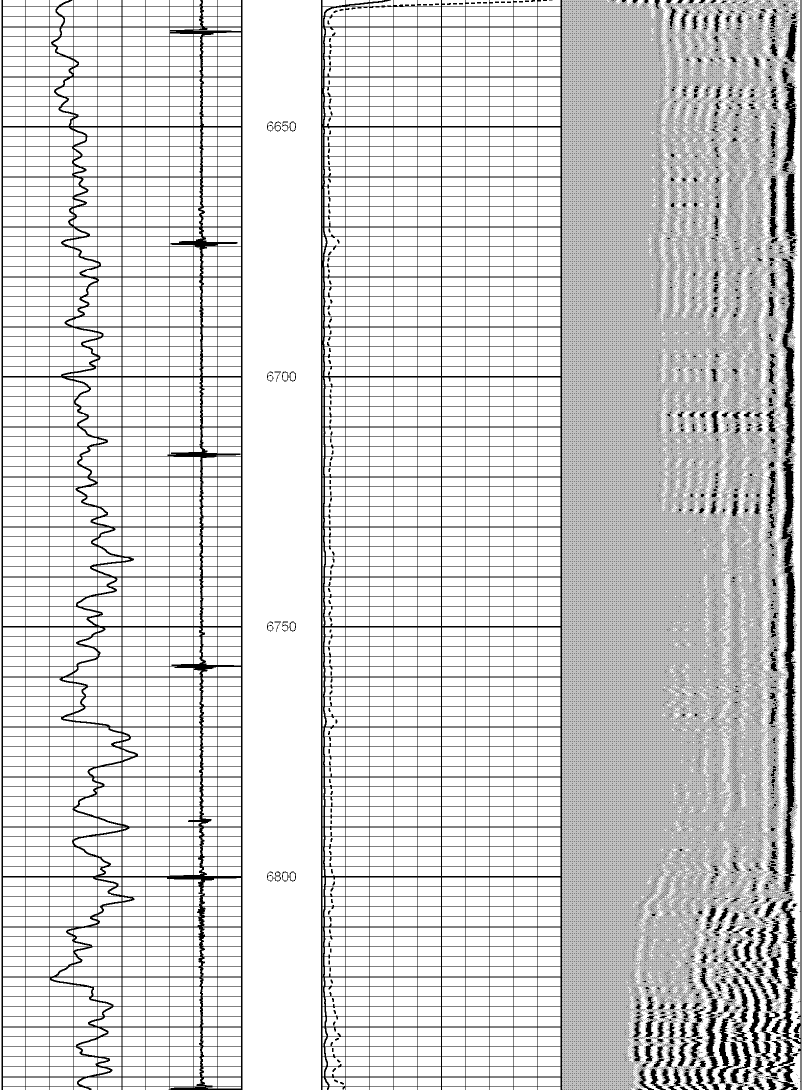
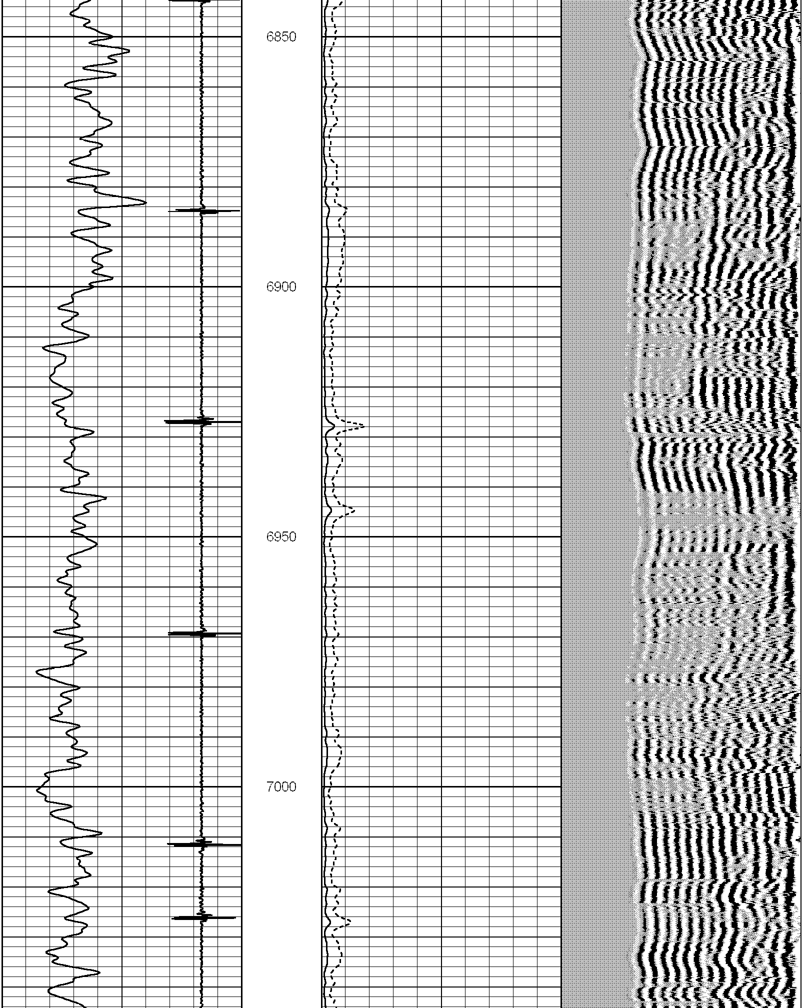
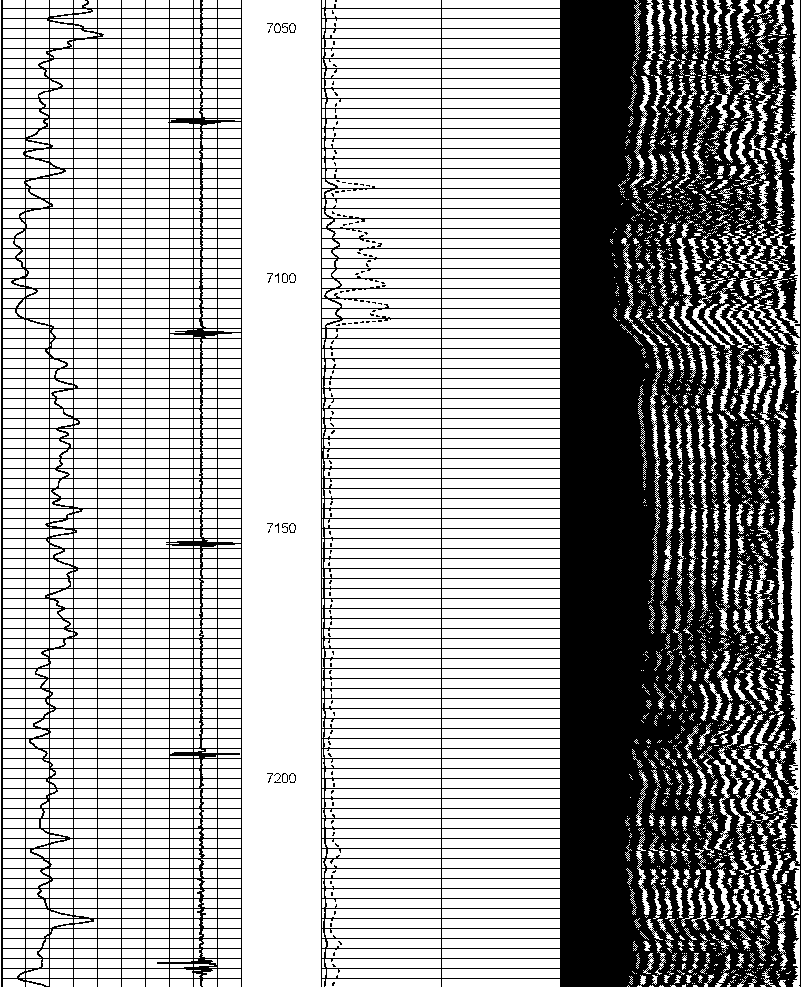
Charted by: Depth in Feet scaled 1:240

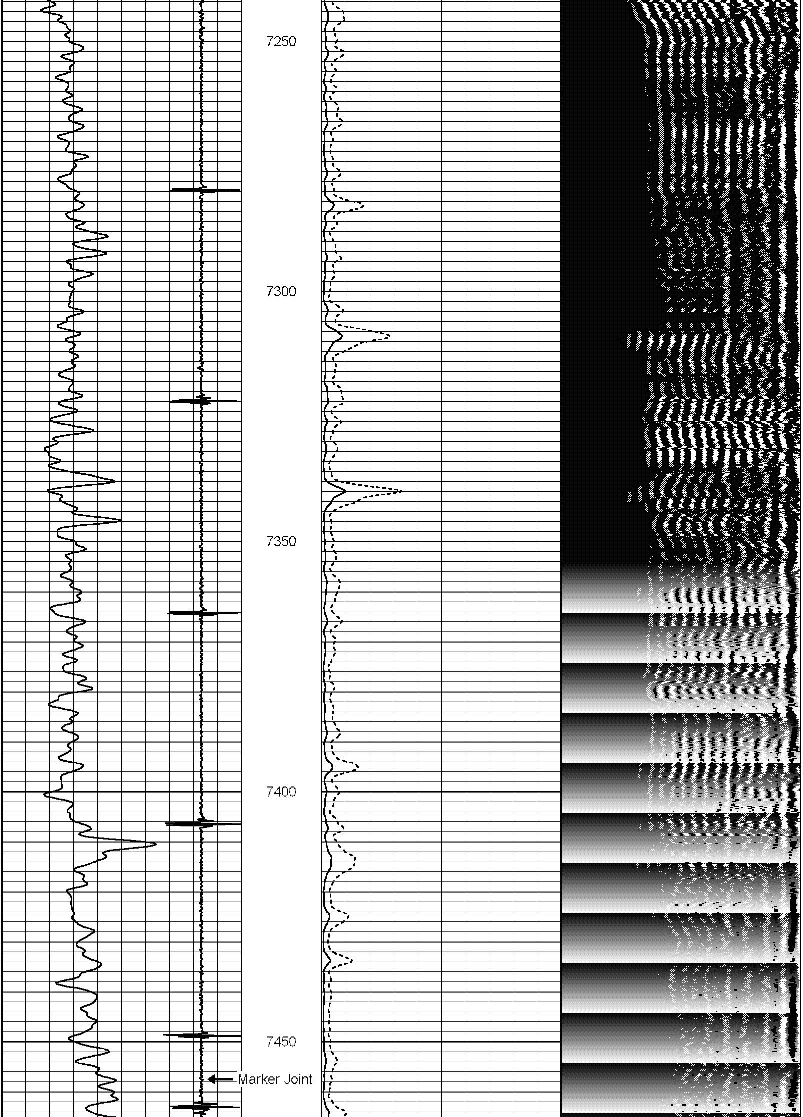


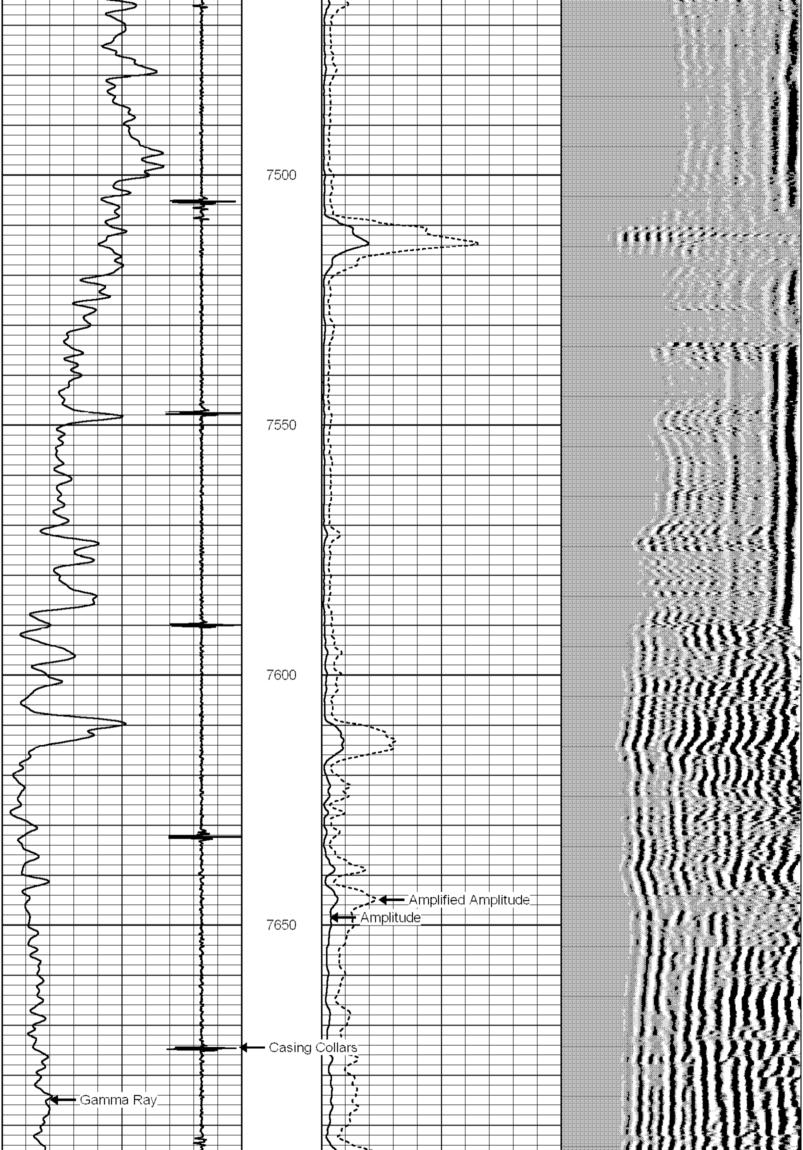


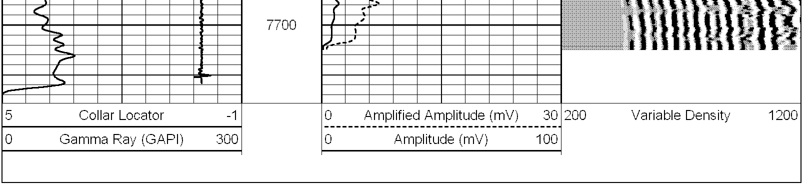












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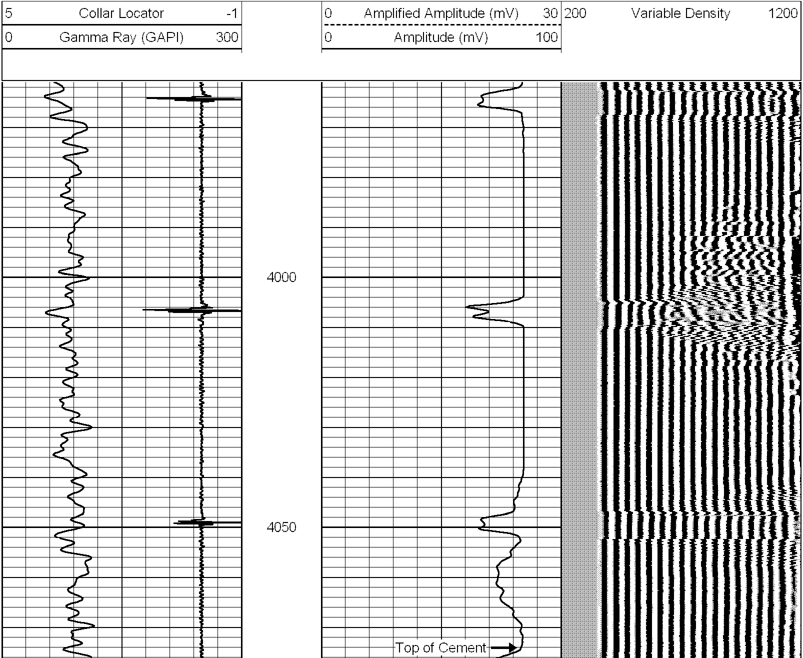
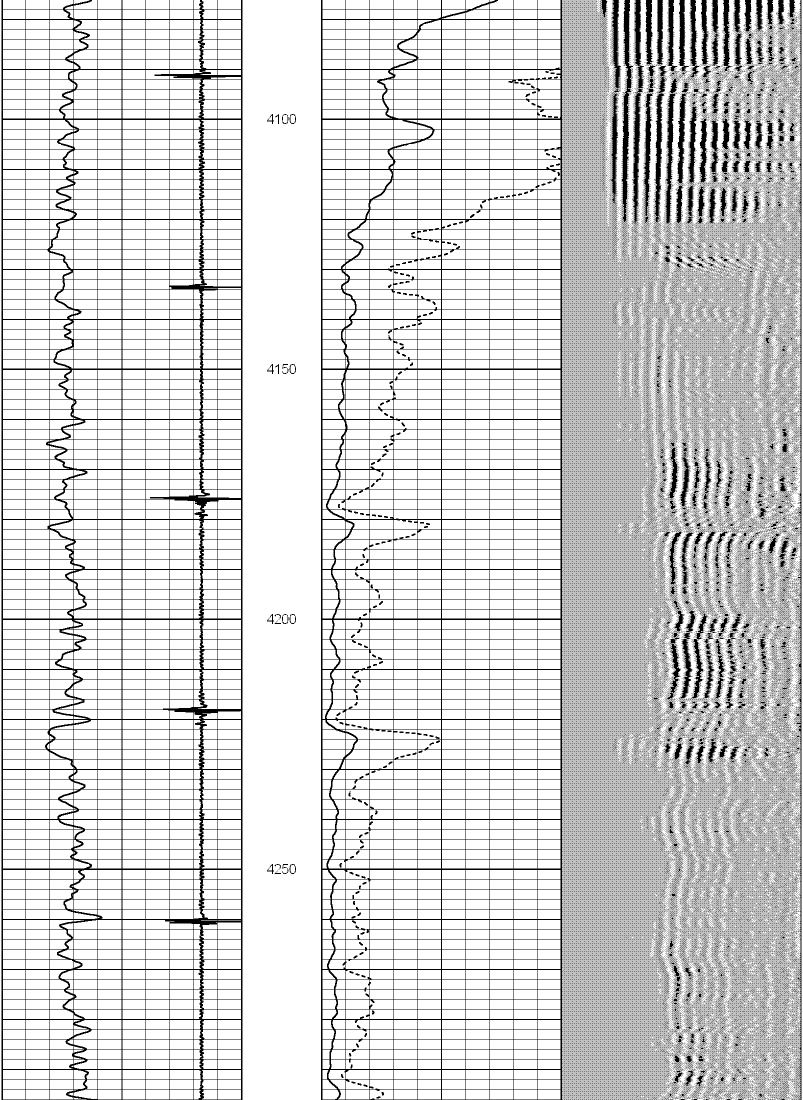
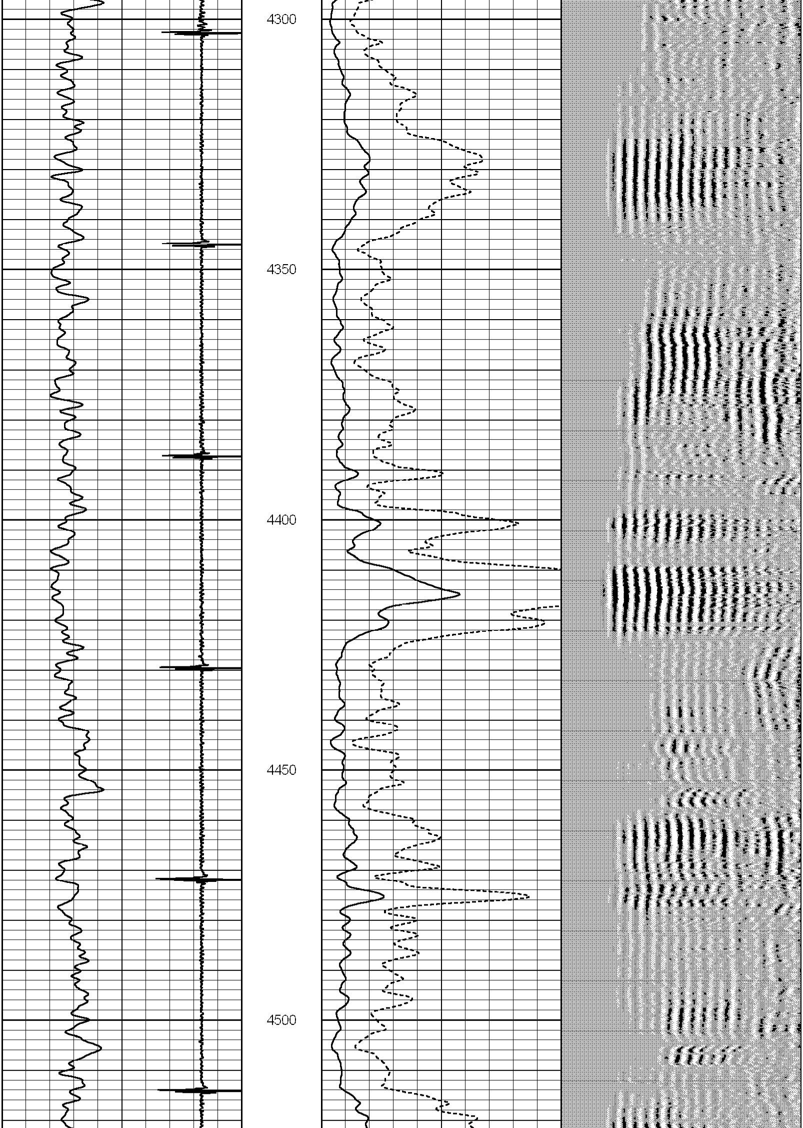
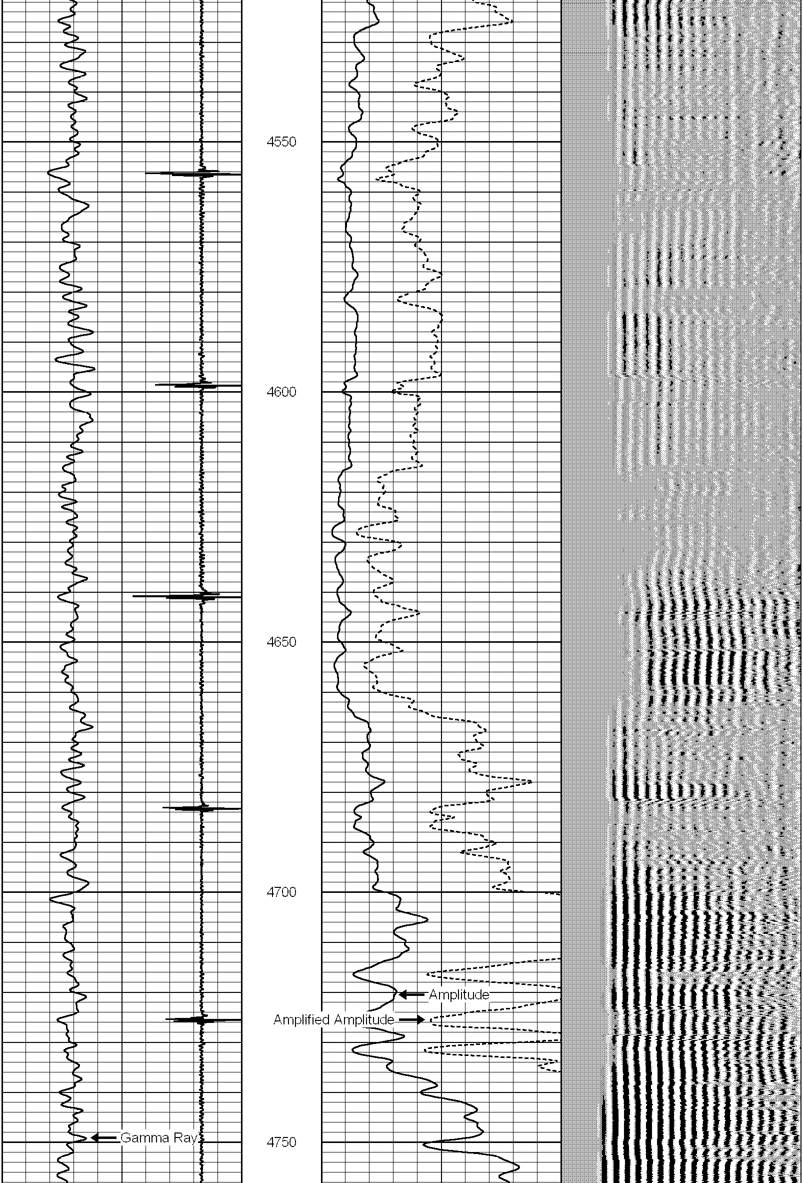
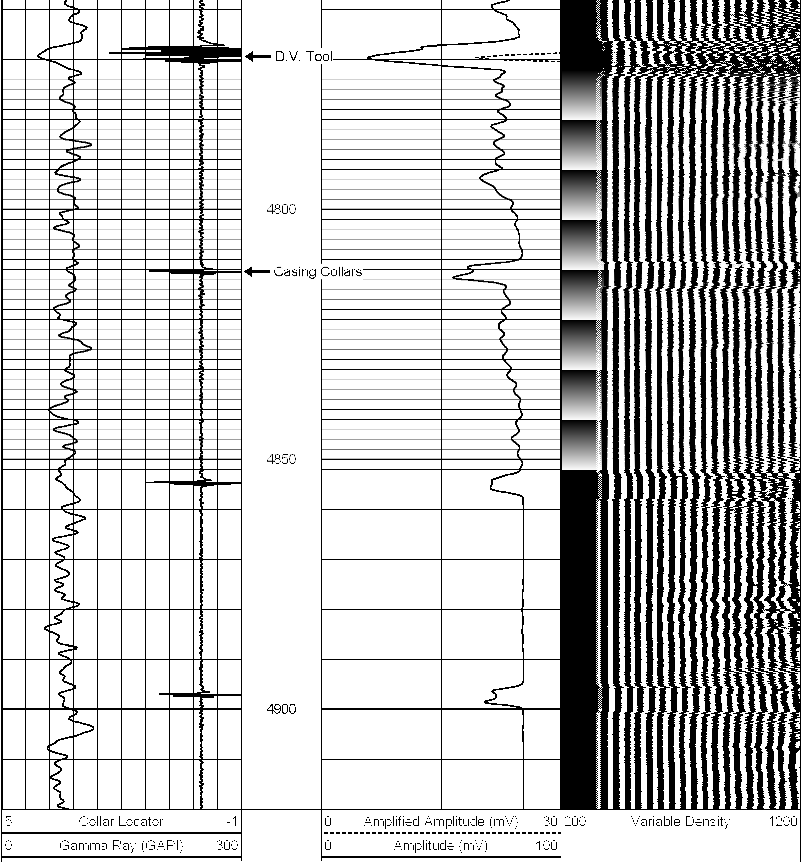
Presentation Format: cbldig
Dataset Creation: Mon Feb 11 23:18:27 2008 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240



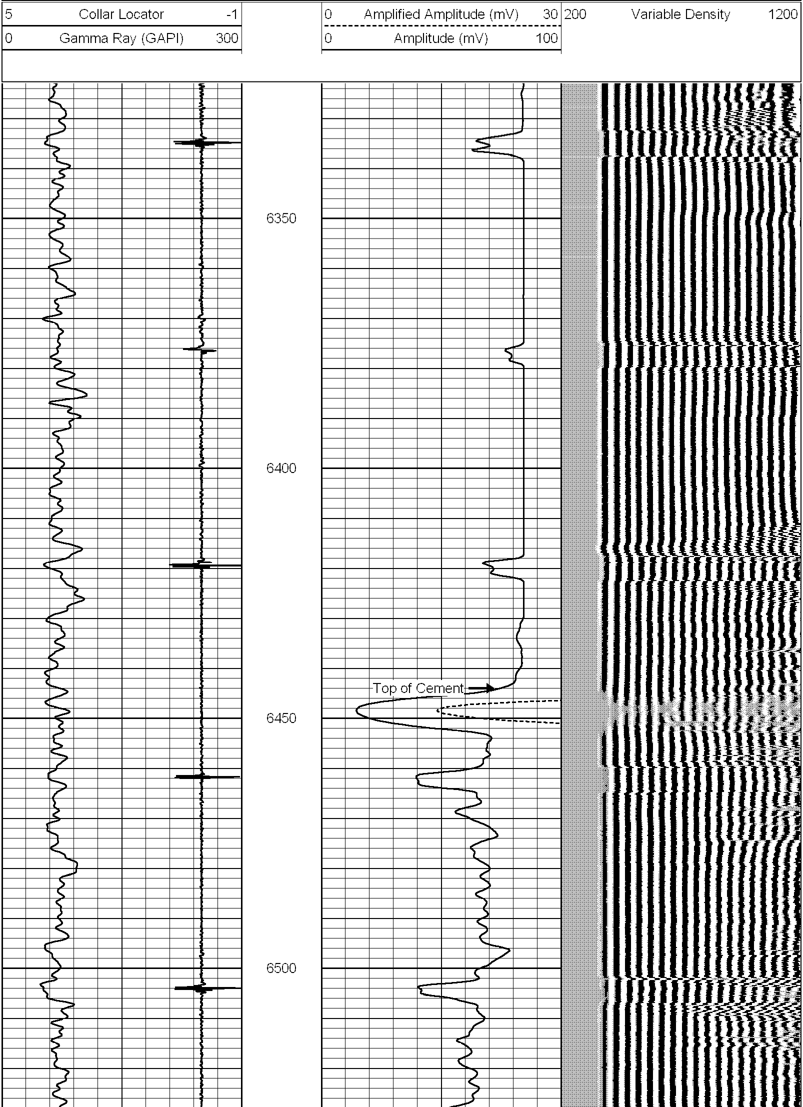








Database File:	francis arens 6-4-15.db
Dataset Pathname:	pass1
Presentation Format:	cbldig
Dataset Creation:	Mon Feb 11 22:59:05 2008 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240



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Casing Collars
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Gamma Ray
Amplified Amplitude
Amplitude
7700
5 Collar Locator -1
0 Gamma Ray (GAPI) 300
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200