HALLIBURTON

CEMENT BOND LOG

SCALE 5"=100'

Company ENCANA OIL & GAS (USA) INC.
Well ARISTOCRAT ANGUS 4-4
Field WATTENBERG
County WELD State COLORADO

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API No.: 05-123-33994-0000 Serv #:
Location: SHL: 768' FSL & 1928' FWL SESW
BHL: 1325' FSL & 1325' FEL

Other Services
NONE

Sec: 4 Twp: 3N Rge: 65W

Permanent Datum	GL	Elevation 4820	Elevation
Log Measured From	KB	12 Ft. above perm. datum	K.B. 4832
Drilling Measured From	KB		D.F. 4831 G.L. 4820

Date @ Time Logged	7-AUG-2012	Type Fluid in Hole	2% KCL
Run No.	ONE	Density of Fluid	8.4
Depth - Driller	7816	Fluid Level	SURFACE
Depth - Logger	7758	Cement Top Est. Logged	3380
Bottom - Logged Interval	7746	Equipment / Location	11874896 / BRIGHTON
Top - Log Interval	3150	Recorded by	TROY SCHROCK
Max. Recorded Temp.	254	Witnessed by	MR. THOMAS MAJORS

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Date / Time Cemented	/	/	25-JUL-2012 /	/
Primary / Squeeze			PRIMARY	
Expected Compressive Strength	psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs
Cement Volume			635 SKS	
Cement Type / Weight	/	/	/	/
Formation				
Mud Type / Mud Wgt.	/	/	/	/

Borehole Record				Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.5	11.6	SURFACE	7801

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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

PRIMARY DEPTH REFERENCE

GAMMA BLANKET VALUE OF 243 GAPI

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES

YOUR CREW TODAY: K. TOWNSEND, T. SCHROCK, B. RIEDEL, P. VASQUEZ, T. ANDERSON

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

Database File:	encana aristocrat angus 4-4.db
Dataset Pathname:	pass4
Presentation Format:	1katcbl
Dataset Creation:	Tue Aug 07 10:36:53 2012 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240

HALLIBURTON

MAIN PASS

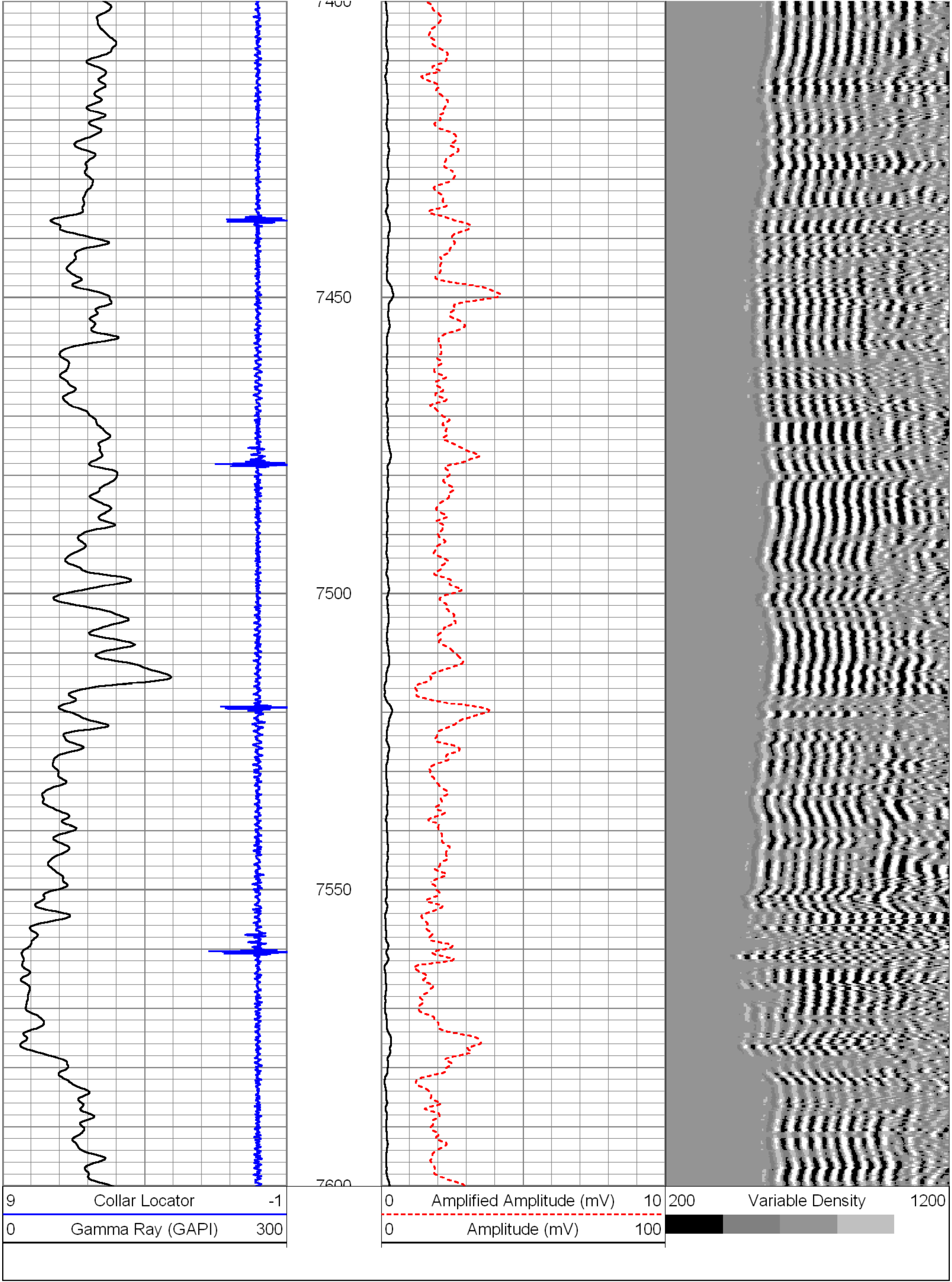
SCALE: 5"=100'

HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Database File:	encana aristocrat angus 4-4.db
Dataset Pathname:	pass2
Presentation Format:	1katcbl
Dataset Creation:	Tue Aug 07 10:28:50 2012 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240



HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Company	ENCANA OIL & GAS (USA) INC.		
Well	ARISTOCRAT ANGUS 4-4		
Field	WATTENBERG		
County	WELD	State	COLORADO

HALLIBURTON

CEMENT BOND LOG

SCALE 5"=100'