Company Encana Oil & Gas (USA) Inc
Well Vessels Minerals 4-6-19
Field Wattenberg
County Weld State Colorado

HALLIBURTON

Cement Bond Log
Gamma Ray, CCL

Scale 1:240

Company	Encana Oil & Gas (USA) Inc		
Well	Vessels Minerals 4-6-19		
Field	Wattenberg		
County	Weld	State	Colorado

API No.: 05-123-30277-00 Serv #:
Location: SHL: 1542' FSL/ 1053' FWL
BHL: 1400' FSL/ 2480' FWL
NWSW

Sec: 19 Twp: 1N Rge: 68W

Other Services
None

Permanent Datum	GL	Elevation	5064
Log Measured From	KB , 15	Ft. above perm. datum	
Drilling Measured From	KB		

Elevation
K.B. 5079
D.F. 5078
G.L. 5064

Date @ Time Logged	13-July-09	Type Fluid in Hole	Water
Run No.	One	Density of Fluid	8.4
Depth - Driller	8600	Fluid Level	Surface
Depth - Logger	8535	Cement Top Est. Logged	4530
Bottom - Logged Interval	8533	Equipment / Location	10971660 / Brighton
Top - Log Interval	4100	Recorded by	Michael Snyder
Max. Recorded Temp.	NA	Witnessed by	Tom Cobb

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Date / Time Cemented				
Primary / Squeeze				
Expected Compressive Strength	psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs
Cement Volume		350 Sacks	370 Sacks	
Cement Type / Weight	/	1.95Y / 12.5	1.69Y / 13.5 PPG	/
Formulation		Econ Cem	Frac Cem	
Mud Type / Mud Wgt.	/	/	/	/

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

<<< Fold Here >>>

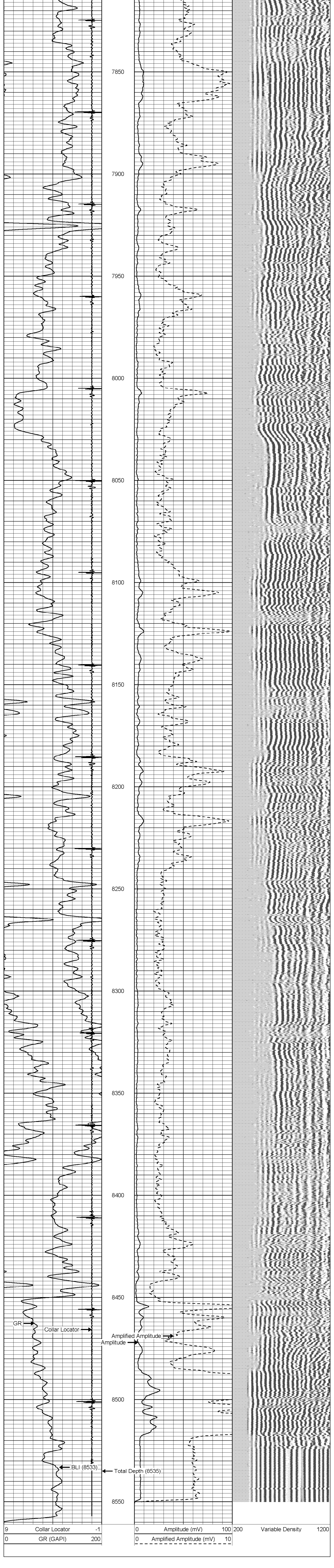
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHCIH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR 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

AFE: 08108663
Logged from 7650 to 4100 under 1000 PSI
Thank you for choosing Halliburton!

Your crew today: Michael Snyder, Jake Walker, Blair Bigelow

Database File:	vessels_minerals_4-6-19.db
Dataset Pathname:	pass8
Presentation Format:	nick_cbl
Dataset Creation:	Mon Jul 13 17:34:30 2009 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240

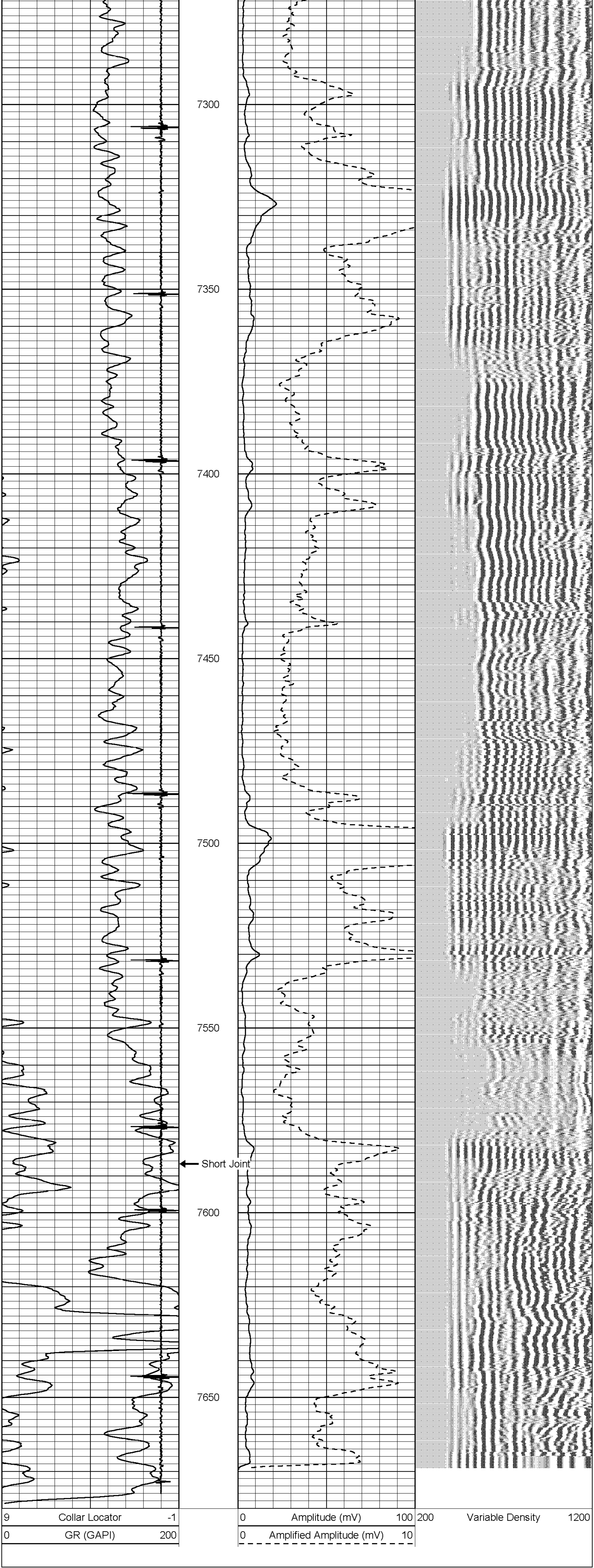


HALLIBURTON

Under 1000 PSI

Scale 1:240

Database File:	vessels_minerals_4-6-19.db
Dataset Pathname:	pass11
Presentation Format:	mikecbl1
Dataset Creation:	Tue Jul 14 10:46:33 2009 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240



HALLIBURTON

Under 1000 PSI

Scale 1:240

Company	Encana Oil & Gas (USA) Inc		
Well	Vessels Minerals 4-6-19		
Field	Wattenberg		
County	Weld	State	Colorado

HALLIBURTON

Cement Bond Log
Gamma Ray, CCL
Scale 1:240