Company ENCANA OIL & GAS
Well DOWDY 4-2-10
Field WATTENBERG
County WELD State COLORADO

HALLIBURTON

CEMENT BOND LOG
GAMMA RAY-CCL

Company ENCANA OIL & GAS
Well DOWDY 4-2-10
Field WATTENBERG
County WELD State COLORADO

API No.: 05-123-36047-0000 Serv #: 9957750
Location: SHL: 1114' FNL X 1132' FEL
EST BHL: 1250' FNL X 2585' FEL

Other Services
NONE

Sec: 10 Twp: 2N Rge: 65W

Permanent Datum	GL	Elevation 4858'	Elevation K.B. 4871' D.F. 4870' G.L. 4858'
Log Measured From	KB , 13' Ft. above perm. datum		
Drilling Measured From	KB		

Date @ Time Logged	13-NOV-2012	Type Fluid in Hole	FRESH WATER
Run No.	1	Density of Fluid	8.33
Depth - Driller	7958'	Fluid Level	SURFACE
Depth - Logger	7902'	Cement Top Est. Logged	3100'
Bottom - Logged Interval	7899'	Equipment / Location	11703208 / BRIGHTON, CO
Top - Log Interval	2800'	Recorded by	MATT BALDWIN
Max. Recorded Temp.	262F	Witnessed by	TOM MAJORS

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				
Cement Type / Weight	/	/	/	/
Formulation				
Mud Type / Mud Wgt.	/	/	/	/

	Borehole Record			Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
1	12.25	0	900	8.625	24	0	900
2	7.875	0	7954	4.5	11.6	0	7954

<<< 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 WHICH 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

THANK YOU FOR CHOOSING HALLIBURTON!!

1ST LOG IN THE WELL!

YOUR CREW TODAY IS: TONY PIETRAS & BRANDEN REIDEL

MARKER JOINT @ 6887'-7007'

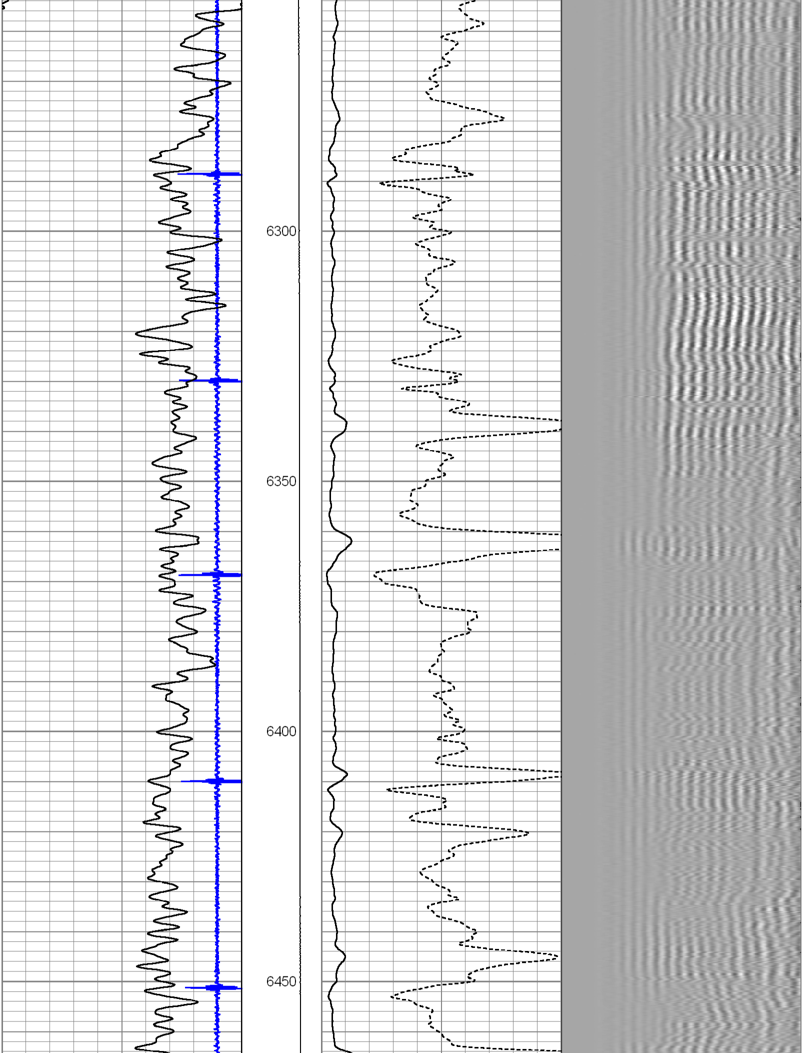
ESTIMATED TOP OF CEMENT - 3100'

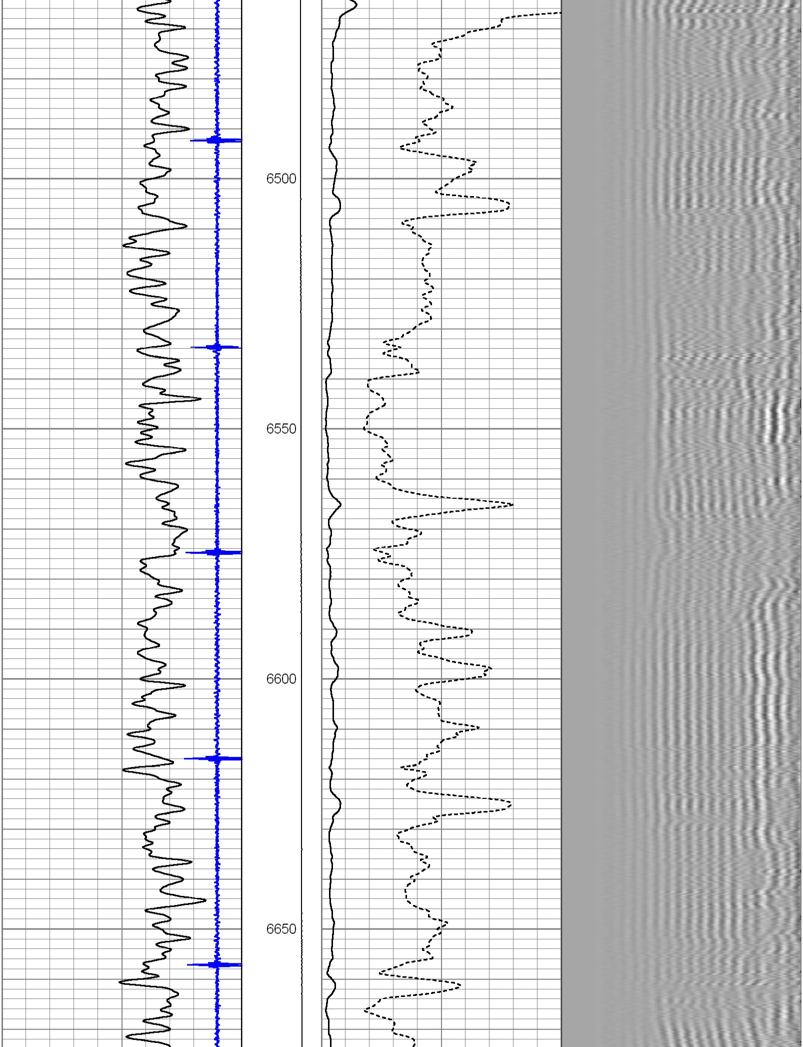
HALLIBURTON

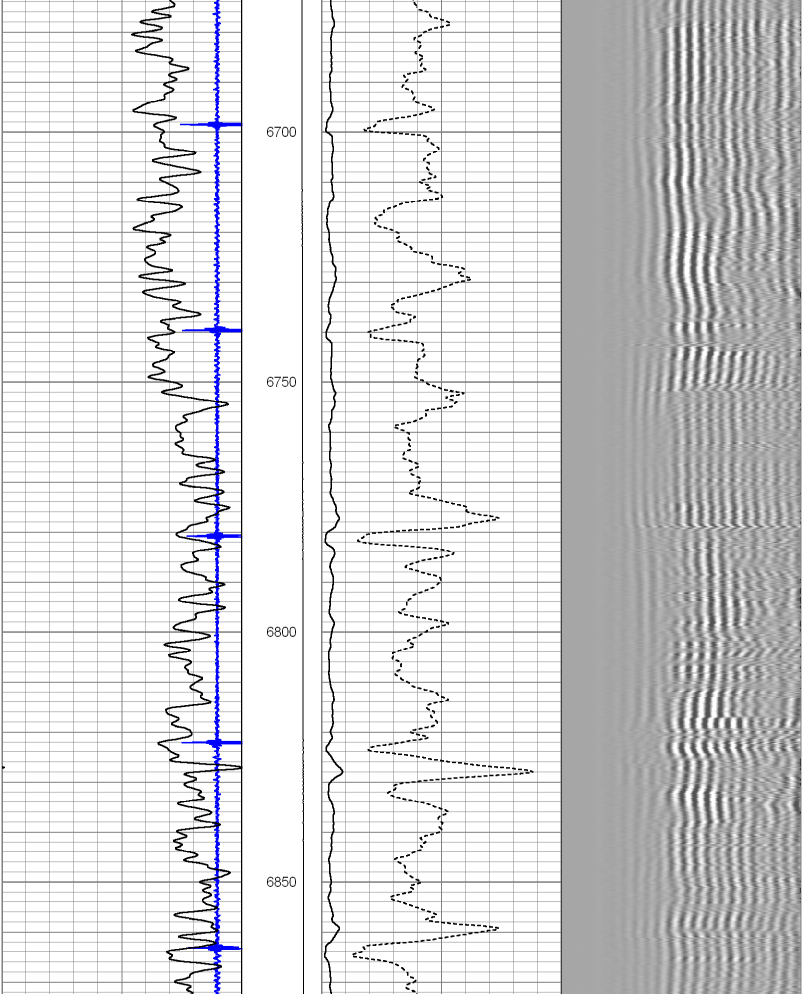
MAIN PASS

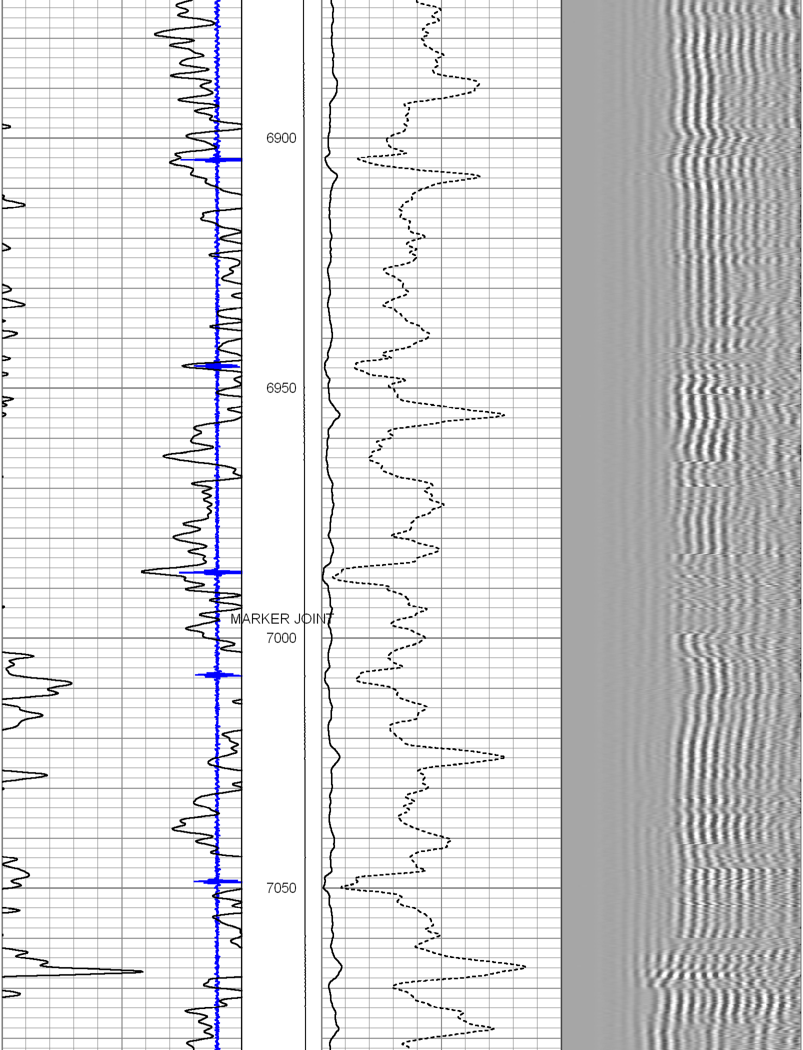
SCALE: 5"=100'

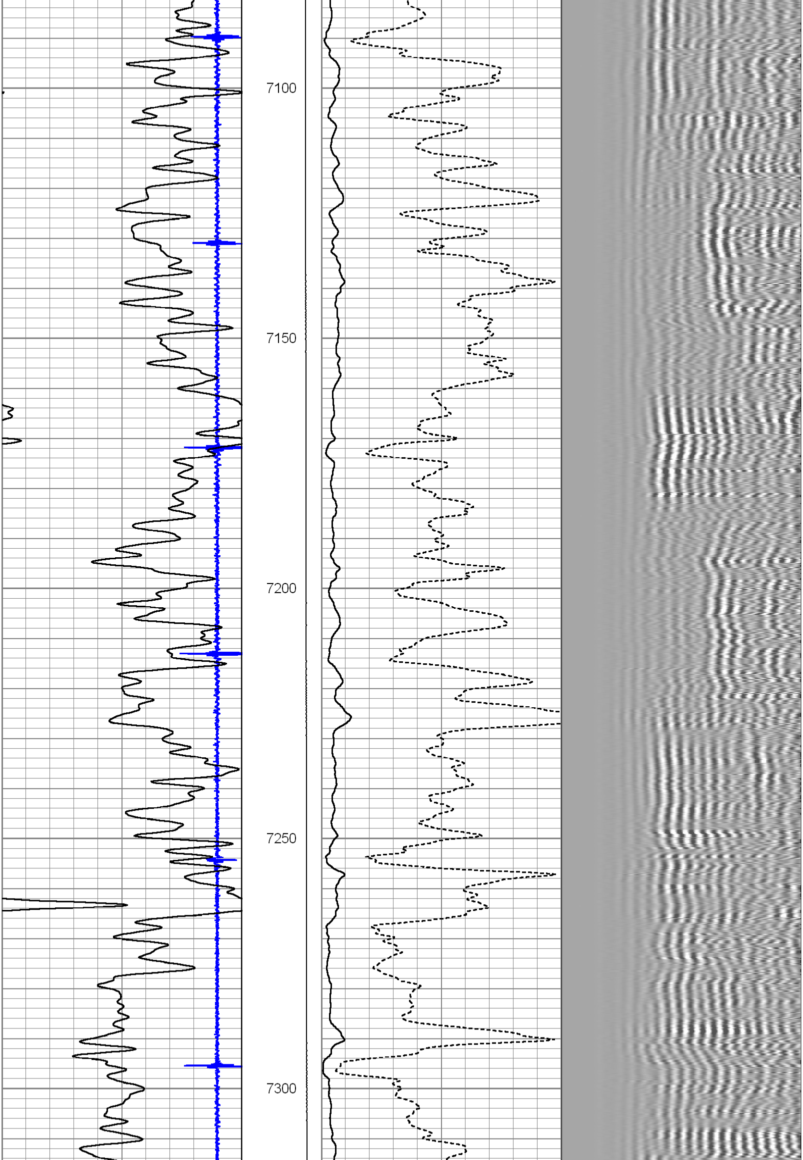
Database File: encana dowdy 4-2-10.db
Dataset Pathname: pass7
Presentation Format: matt cbl
Dataset Creation: Tue Nov 13 10:37:12 2012 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

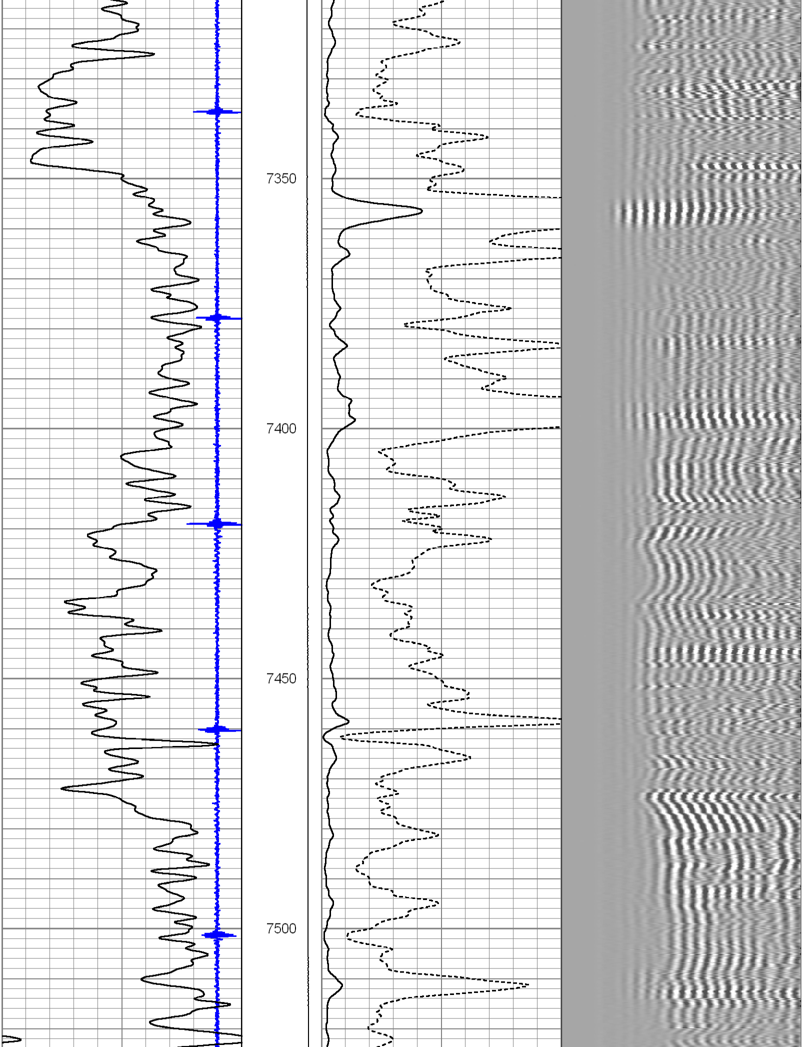


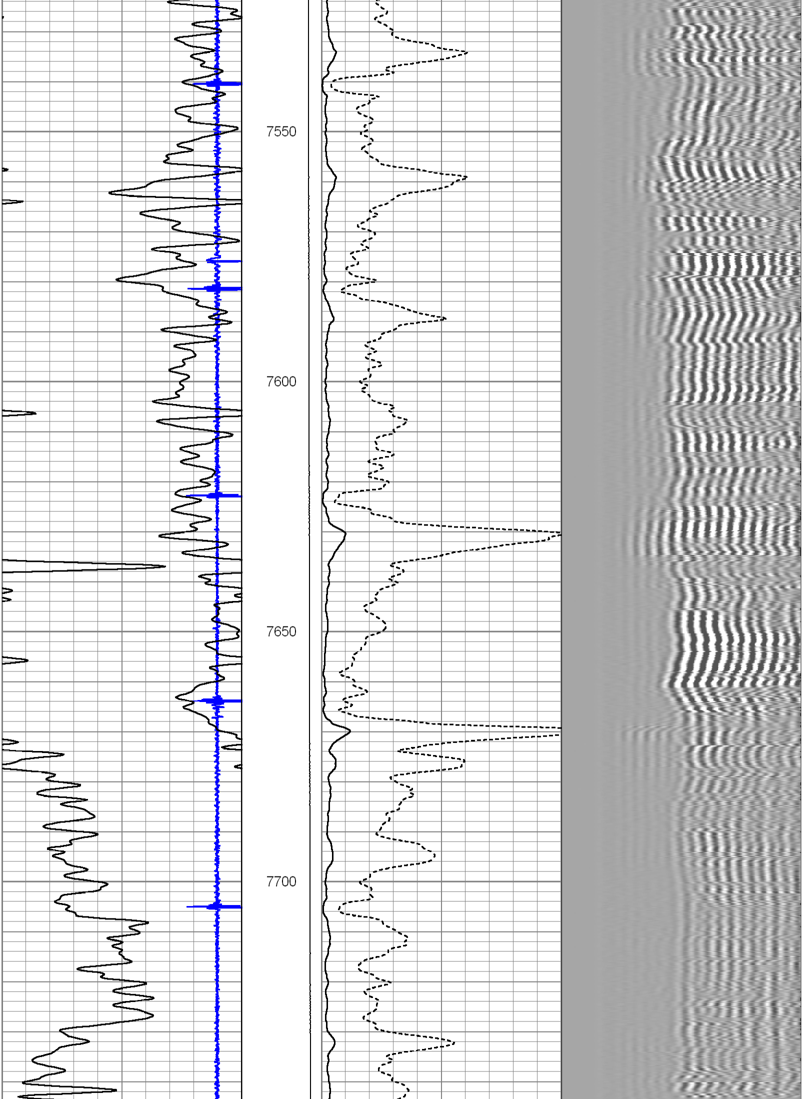


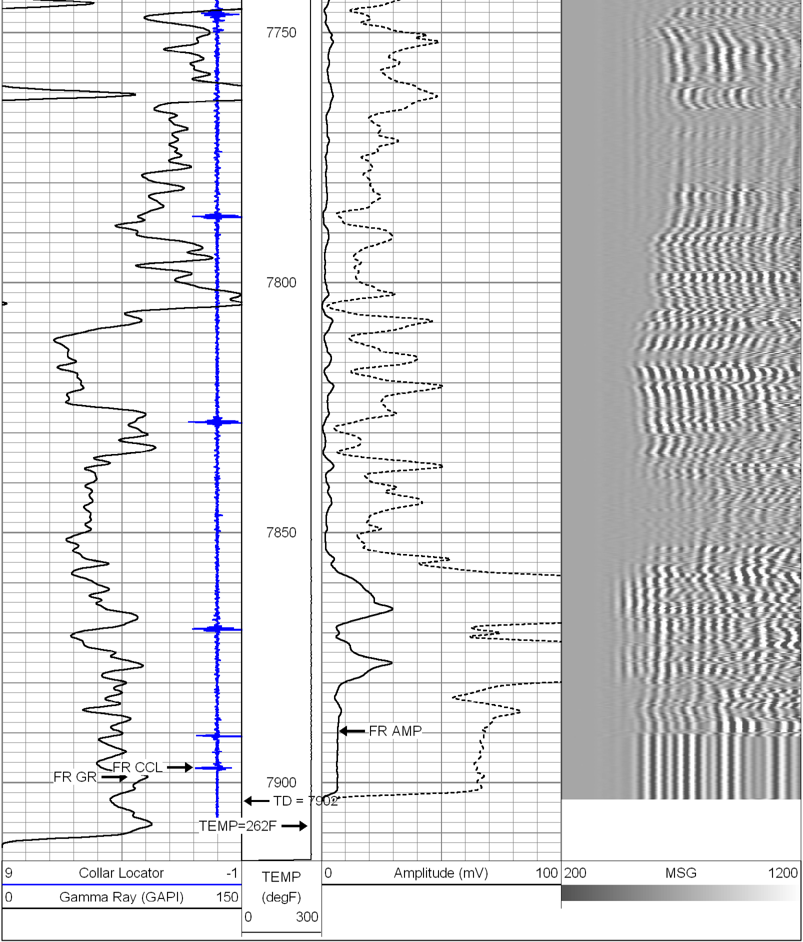












HALLIBURTON

MAIN PASS

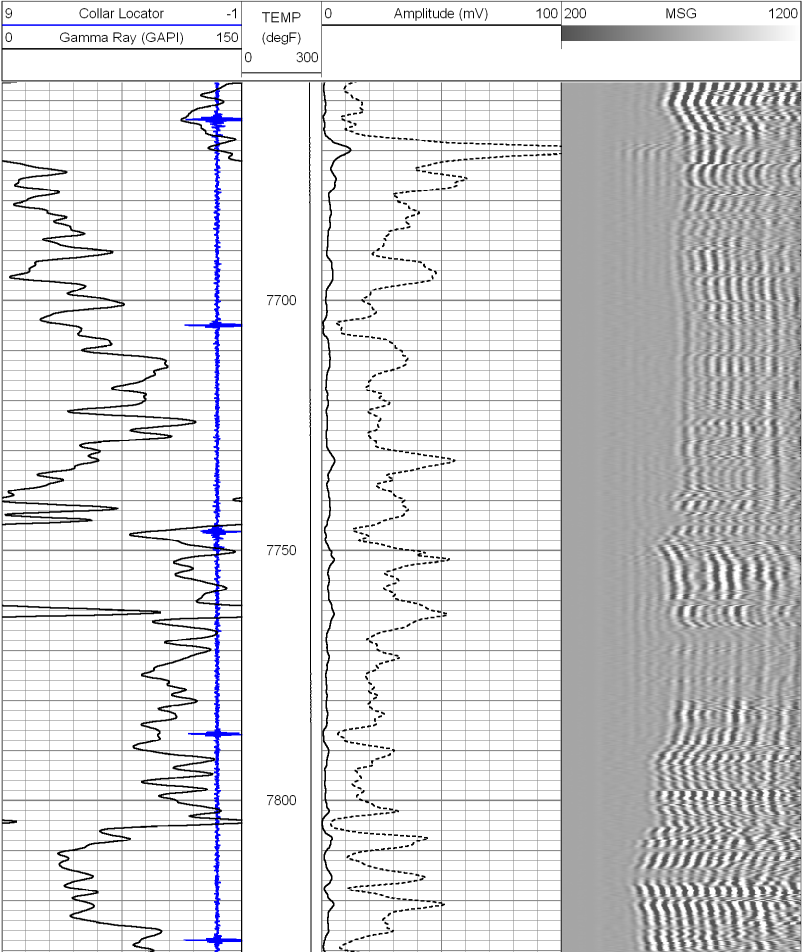
SCALE: 5"=100'

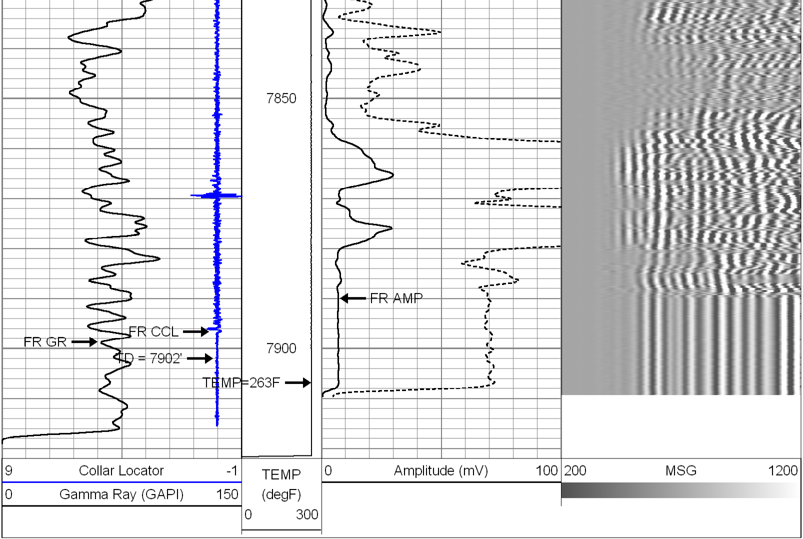
HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Database File: encana dowdy 4-2-10.db
Dataset Pathname: pass6
Presentation Format: matt cbl
Dataset Creation: Tue Nov 13 10:30:57 2012 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240





HALLIBURTON

REPEAT PASS

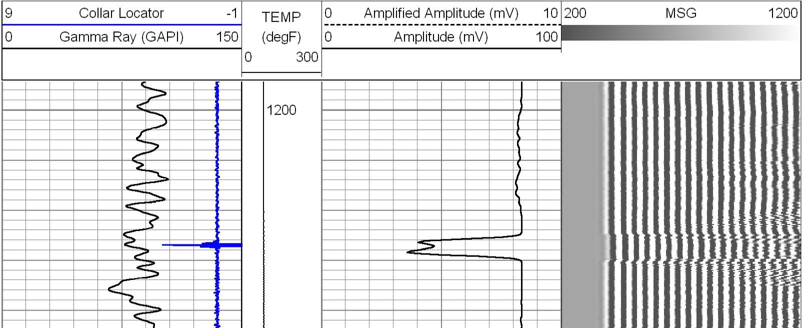
SCALE: 5"=100'

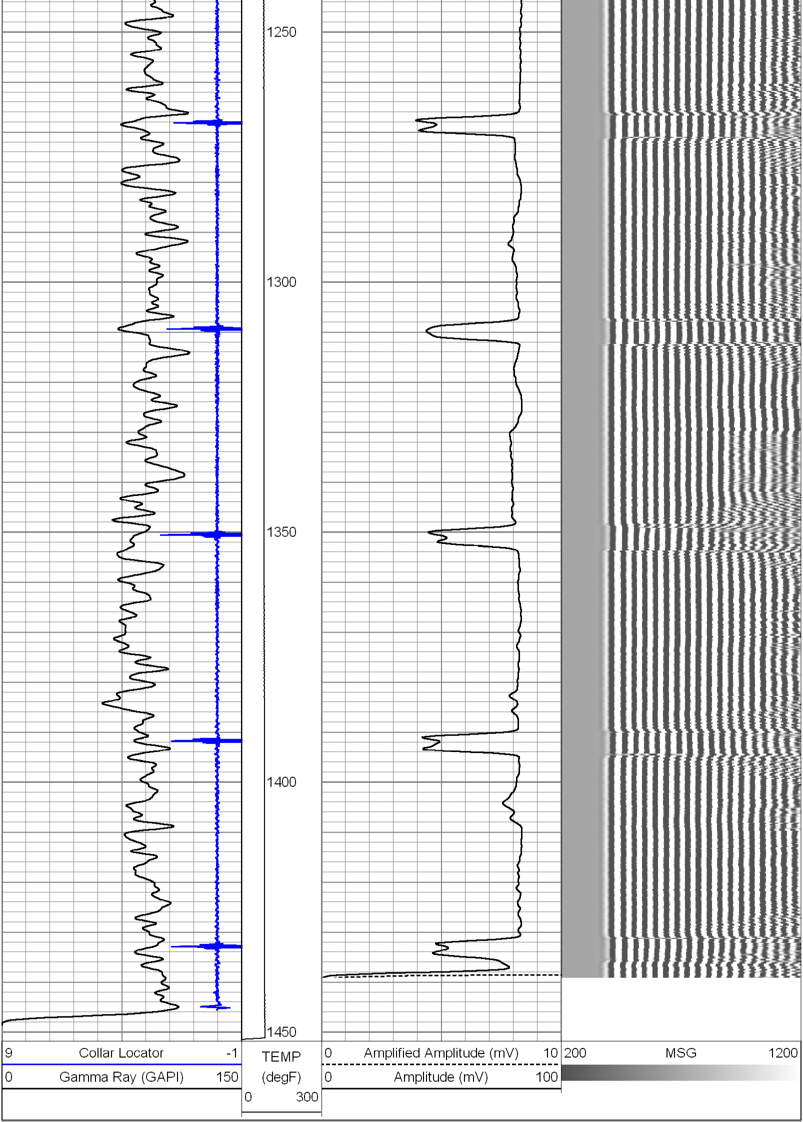
HALLIBURTON

FREE PIPE PASS

SCALE: 5"=100'

Database File: encana dowdy 4-2-10.db
Dataset Pathname: pass3
Presentation Format: matt cbl
Dataset Creation: Tue Nov 13 10:01:07 2012 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240





HALLIBURTON

FREE PIPE PASS

SCALE: 5"=100'

Calibration Report

Database File: encana dowdy 4-2-10.db
Dataset Pathname: pass7
Dataset Creation: Tue Nov 13 10:37:12 2012 by Log Halliburton Casedho

Temperature Calibration Report

Serial Number: Tit1.3_02
Tool Model: Titan
Performed: Fri Jan 04 06:55:24 2002

	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

Gain: 0.10
Offset: 0.00
Delta Spacing 2

Gamma Ray Calibration Report

Type / Serial: Probe / 275

SHOP CALIBRATION		Mon Nov 12 11:07:27 2012			
	Counts/Sec.	Gain	Offset	Jig	Units
Background	91.5				cps
Calibrator	340.9				cps
		0.9664			GAPI/cps
PRIMARY VERIFICATION		Mon Nov 12 11:10:56 2012			
Background	87.3				cps
Calibrator	329.8				cps
Difference				242.5	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

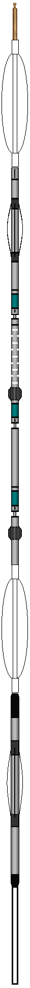
Cement Bond Log Calibration Report

Serial Number: 275
Tool Model: Probe
Performed: Tue Nov 13 08:04:48 2012

Depth: 1154.18 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.1	0.1	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.0115967	-0.013916	V
Reading in Free Pipe:	2.42612	2.35552	V

Gain:	33.2672	34.2259
Offset:	0.485789	0.576289

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1_CABLEHEAD 1"OD CABLE HEAD	0.83	1.00	3.00
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
WVF3	13.68		CBL-Probe (275) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
WVF5	12.68					
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
CCL	6.04					
GR	4.75		GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.33	2.75	30.00
			TEMP-Titan (Tit1.3_02) Titan Temp 1.3875	2.21	1.39	10.00
TEMP	0.17					

Dataset:	encana dowdy 4-2-10.db: field/well/run1/pass7
Total Length:	22.06 ft
Total Weight:	173.00 lb
O.D.	2.75 in

Company	ENCANA OIL & GAS		
Well	DOWDY 4-2-10		
Field	WATTENBERG		
County	WELD	State	COLORADO

HALLIBURTON

CEMENT BOND LOG

GAMMA RAY-CCL