HALLIBURTON

Cement Bond Log

Company	EnCana Oil & Gas Inc,		
Well	Edith Ann 4-21		
Field	Wattenberg		
County	Weld	State	Colorado

Company EnCana Oil & Gas Inc,
Well Edith Ann 4-21
Field Wattenberg
County Weld State Colorado

API No.: 05-123-31528-0000 Serv #:
Location: SESE SHL: 485' FSL & 556' FEL
Other Services: None

Sec: 21 Twp: 2N Rge: 68W

Permanent Datum	GL	Elevation 4931'		Elevation	
Log Measured From	KB	13' Ft. above perm. datum		K.B.	4944'
Drilling Measured From	KB			D.F.	4943'
				G.L.	4931'
Date @ Time Logged	13-Sept-2010	Type Fluid in Hole		Fresh Water	
Run No.	One	Density of Fluid		8.33	
Depth - Driller	8230'	Fluid Level		Surface	
Depth - Logger	8228'	Cement Top Est. Logged		4230'	
Bottom - Logged Interval	8225'	Equipment / Location		10971660 / Brighton	
Top - Log Interval	3800'	Recorded by		Matt Baldwin	
Max. Recorded Temp.	345 F	Witnessed by		Gary Cummings	

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
				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

This is the Primary Depth Reference

Thank you for choosing Halliburton!

Your crew today was: Matt Baldwin, Jason Morrison & Chad Nakagawa

AFE# 10135971

Calibration Report

Database File: encana_edith_ann_4_21_cbl.db
Dataset Pathname: pass10
Dataset Creation: Mon Sep 13 09:41:24 2010 by Log Halliburton Casedho

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Fri Jul 05 03:18:21 1996

	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: 1

Gamma Ray Calibration Report

Type / Serial: Probe / 070355

SHOP CALIBRATION	Mon Sep 13 06:49:33 2010				
	Counts/Sec.	Gain	Offset	Jig	Units
Background	55.7				cps
Calibrator	224.2				cps
		1.5669			GAPI/cps
PRIMARY VERIFICATION	Mon Sep 13 06:51:43 2010				
Background	83.3				cps
Calibrator	347.8				cps
Difference				264.5	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: 070321
Tool Model: Probe
Performed: Mon Sep 13 08:38:12 2010

Depth: 4538.59 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.000805664	0.00236816	V
Reading in Free Pipe:	1.92603	1.94553	V
Gain:	42.1397	41.7855	
Offset:	0.0339504	-0.0989549	

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

Database File: encana_edith_ann_4_21_cbl.db
Dataset Pathname: pass10
Presentation Format: jj_cbl
Dataset Creation: Mon Sep 13 09:41:24 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

HALLIBURTON

MAIN PASS

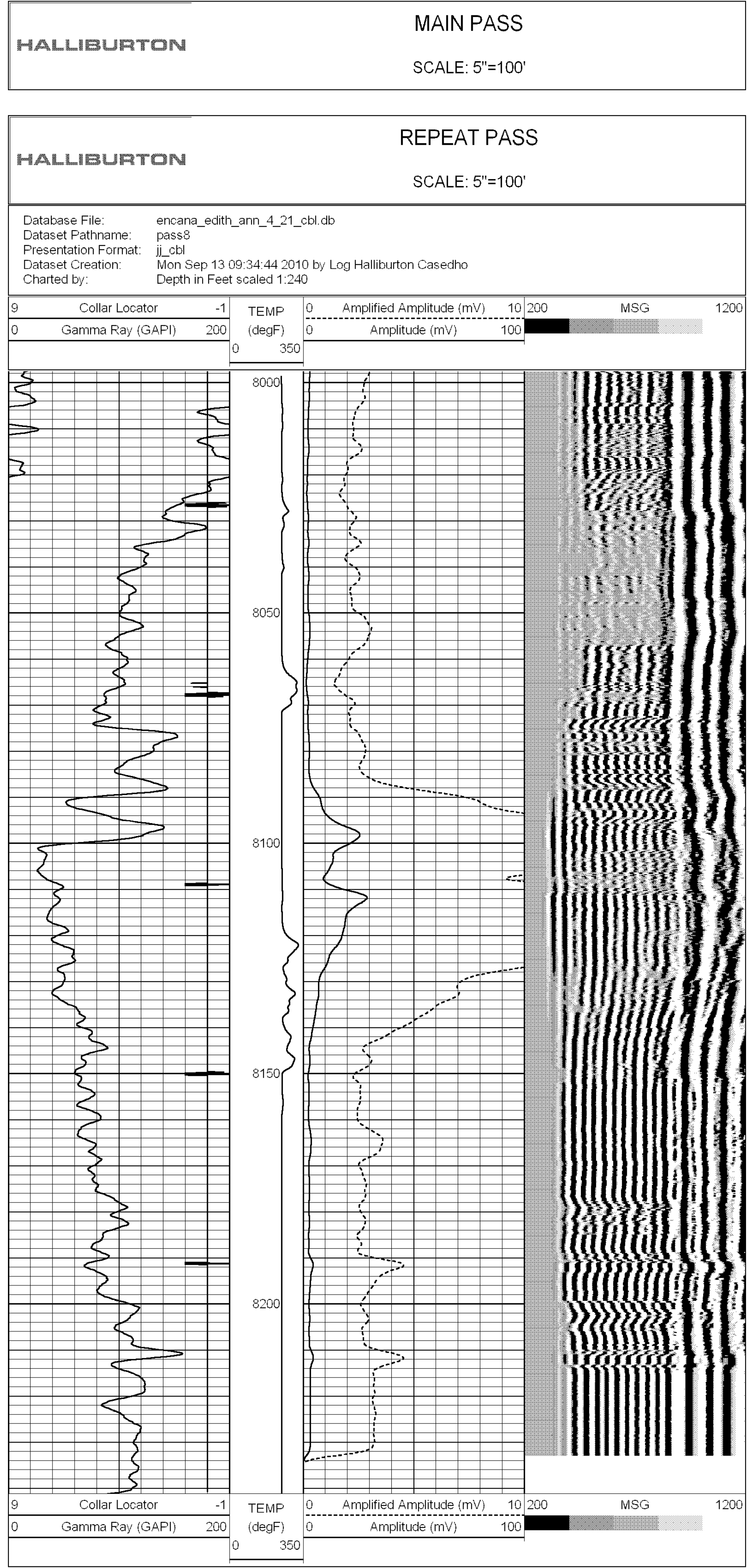
SCALE: 5"=100'

HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Database File: encana_edith_ann_4_21_cbl.db
Dataset Pathname: pass8
Presentation Format: jj_cbl
Dataset Creation: Mon Sep 13 09:34:44 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240



HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Company EnCana Oil & Gas Inc,
Well Edith Ann 4-21
Field Wattenberg
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State Colorado

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