HALLIBURTON

Cement Bond Log

Company	EnCana Oil & Gas Inc,
Well	Ione 6-8-4
Field	Wattenberg
County	Weld
State	Colorado

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API No.: 05-123-31571-0000 Serv #:
Location:
Sec: 4 Twp: 2N Rge: 66W

Other Services
None

Permanent Datum	GL	Elevation	4946'	Elevation
Log Measured From	KB . 13' Ft. above perm. datum			K.B. 4959'
Drilling Measured From	KB			D.F. 4958' G.L. 4946'
Date @ Time Logged	23-Aug-2010	Type Fluid in Hole	Fresh Water	
Run No.	One	Density of Fluid	8.33	
Depth - Driller	8350'	Fluid Level	Surface	
Depth - Logger	8292'	Cement Top Est. Logged	3570'	
Bottom - Logged Interval	8289'	Equipment / Location	10971660 / Brighton	
Top - Log Interval	2770'	Recorded by	Matt Baldwin	
Max. Recorded Temp.	261 F	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	/	/	/	/
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, Jake Walker & Patrick Thomas

Ran a top portion of main pass under 1000 psi

Calibration Report

Database File: encana_ione_6_8_4_cbl.db
Dataset Pathname: pass16
Dataset Creation: Mon Aug 23 19:04:54 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 Aug 23 12:36:06 2010

	Counts/Sec.	Gain	Offset	Jig	Units
Background	52.8				cps
Calibrator	237.5				cps
		1.4295			GAPI/cps

PRIMARY VERIFICATION Mon Aug 23 12:44:06 2010

Background	75.9				cps
Calibrator	339.7				cps
Difference				263.8	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 Aug 23 14:32:00 2010

Depth: 3052.61 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:	-0.000732422	0.00222168	V
Reading in Free Pipe:	1.90237	1.88923	V
Gain:	42.6652	43.0289	
Offset:	0.0312489	-0.0955965	

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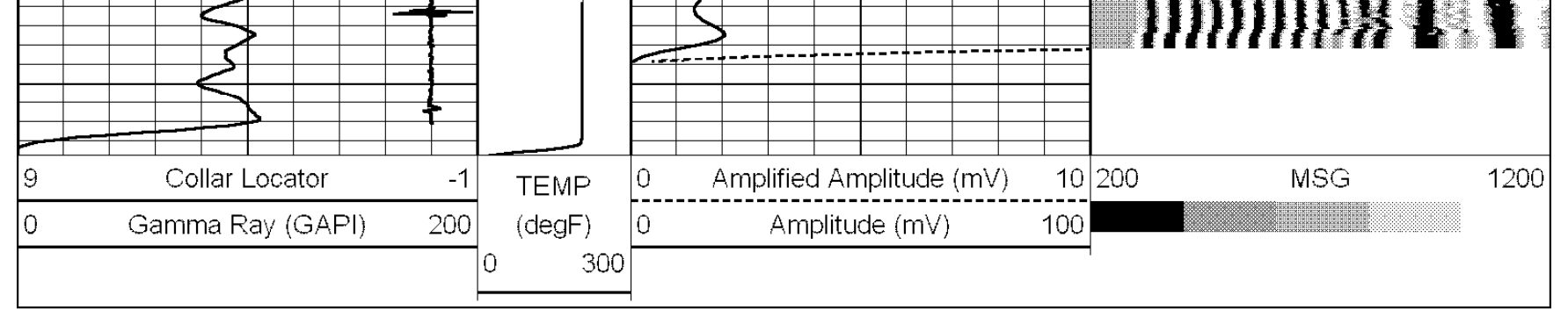
MAIN PASS (1000 PSI)

SCALE: 5"=100'

Database File: encana_ione_6_8_4_cbl.db
Dataset Pathname: pass16
Presentation Format: jj_cbl
Dataset Creation: Mon Aug 23 19:04:54 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	TEMP (degF)	0 Amplified Amplitude (mV) 10	200 MSG 1200
0 Gamma Ray (GAPI) 200	0 300	0 Amplitude (mV) 100	



9 Collar Locator -1 0 Gamma Ray (GAPI) 200	TEMP (degF) 0 300	0 Amplified Amplitude (mV) 10 0 Amplitude (mV) 100	200 MSG 1200

HALLIBURTON

MAIN PASS (1000 PSI)

SCALE: 5"=100'

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MAIN PASS (NO PRESSURE)

SCALE: 5"=100'

Database File: encana_ione_6_8_4_cbl.db
Dataset Pathname: pass15
Presentation Format: jj_cbl
Dataset Creation: Mon Aug 23 18:32:18 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1 0 Gamma Ray (GAPI) 200	TEMP (degF) 0 300	0 Amplified Amplitude (mV) 10 0 Amplitude (mV) 100	200 MSG 1200

9 Collar Locator -1 0 Gamma Ray (GAPI) 200	TEMP (degF) 0 300	0 Amplified Amplitude (mV) 10 0 Amplitude (mV) 100	200 MSG 1200

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MAIN PASS (NO PRESSURE)

SCALE: 5"=100'

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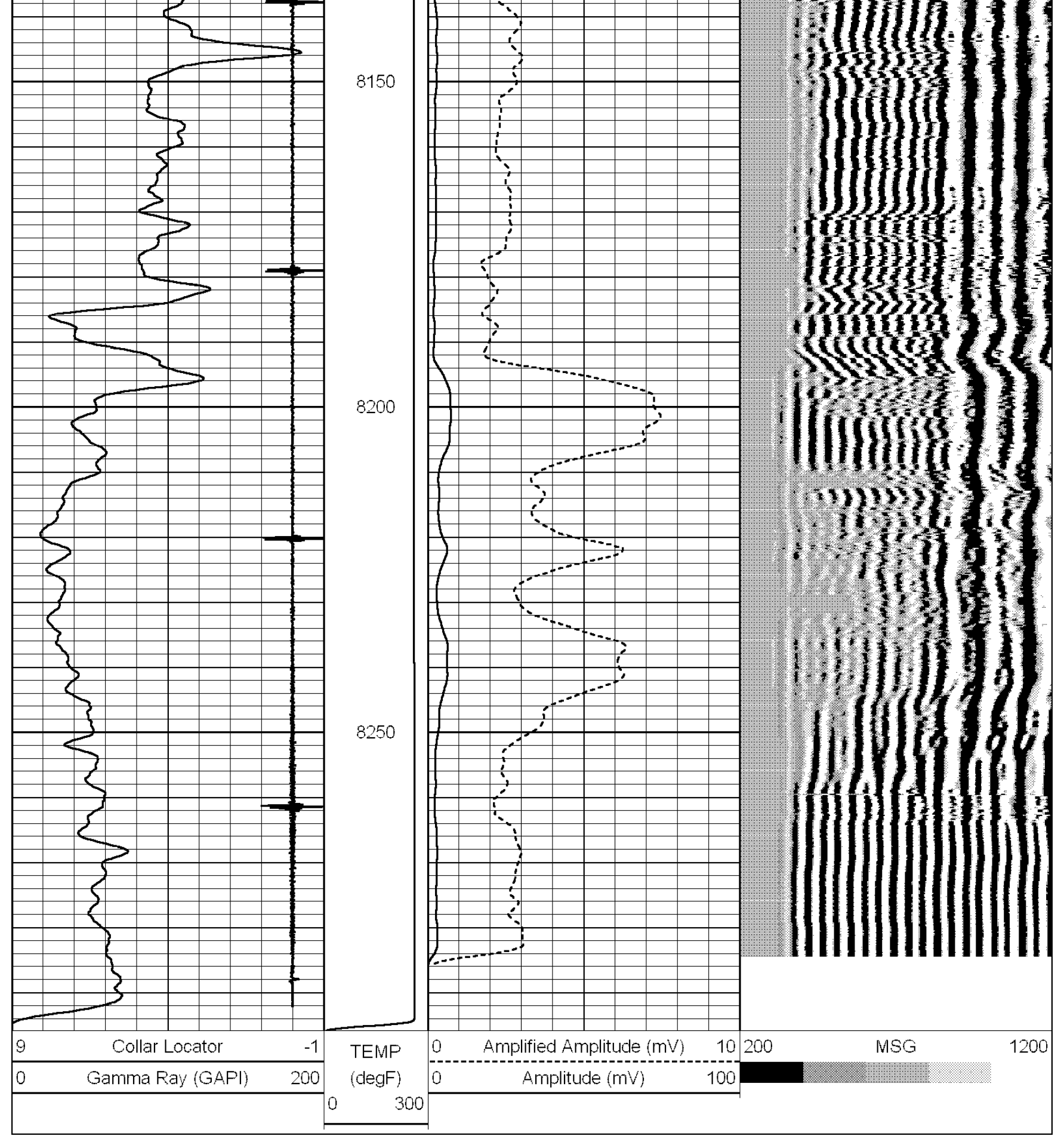
REPEAT PASS

SCALE: 5"=100'

Database File: encana_ione_6_8_4_cbl.db
Dataset Pathname: pass13
Presentation Format: jj_cbl
Dataset Creation: Mon Aug 23 18:26:49 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1 0 Gamma Ray (GAPI) 200	TEMP (degF) 0 300	0 Amplified Amplitude (mV) 10 0 Amplitude (mV) 100	200 MSG 1200



9 Collar Locator -1 0 Gamma Ray (GAPI) 200	TEMP (degF) 0 300	0 Amplified Amplitude (mV) 10 0 Amplitude (mV) 100	200 MSG 1200

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REPEAT PASS

SCALE: 5"=100'

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Well	Ione 6-8-4		
Field	Wattenberg		
County	Weld	State	Colorado

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