HALLIBURTON

CEMENT BOND LOG

SCALE: 5" = 100'

Company	ENCANA OIL & GAS (USA) INC.
Well	SPRAGUE 4-6-9
Field	WATTENBERG
County	WELD
State	COLORADO

Company ENCANA OIL & GAS (USA) INC.
Well SPRAGUE 4-6-9
Field WATTENBERG
County WELD State COLORADO

API No.: 05-123-31686-00 Serv #: 7487575
Location: SHL: 454' FSL & 1953' FWL
BHL: 1450' FSL & 2567' FEL
Sec: 9 Twp: 2N Rge: 67W

Other Services
NONE

Permanent Datum	GL	Elevation	4982	Elevation
Log Measured From	KB	13 Ft. above perm. datum		K.B. 4995
Drilling Measured From	KB			D.F. 4994 G.L. 4982

Date @ Time Logged	07-JUL-2010	Type Fluid in Hole	FRESH WATER
Run No.	ONE	Density of Fluid	8.33
Depth - Driller	8320	Fluid Level	SURFACE
Depth - Logger	8238	Cement Top Est. Logged	3140
Bottom - Logged Interval	8228	Equipment / Location	10971660 / BRIGHTON
Top - Log Interval	2700	Recorded by	J. JOHNSON
Max. Recorded Temp.	N/A	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
ONE	7.875	SURFACE	TD	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

Primary Depth Reference

Thank you for choosing Halliburton!

Your crew today was: R. Crawford, J. Brebrick, D. Huff

HALLIBURTON

Database File: encana sprague 4-6-9.db
Dataset Pathname: pass6
Presentation Format: jj_cbl
Dataset Creation: Thu Jul 08 08:56:51 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

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

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

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MAIN PASS

SCALE: 5" = 100'

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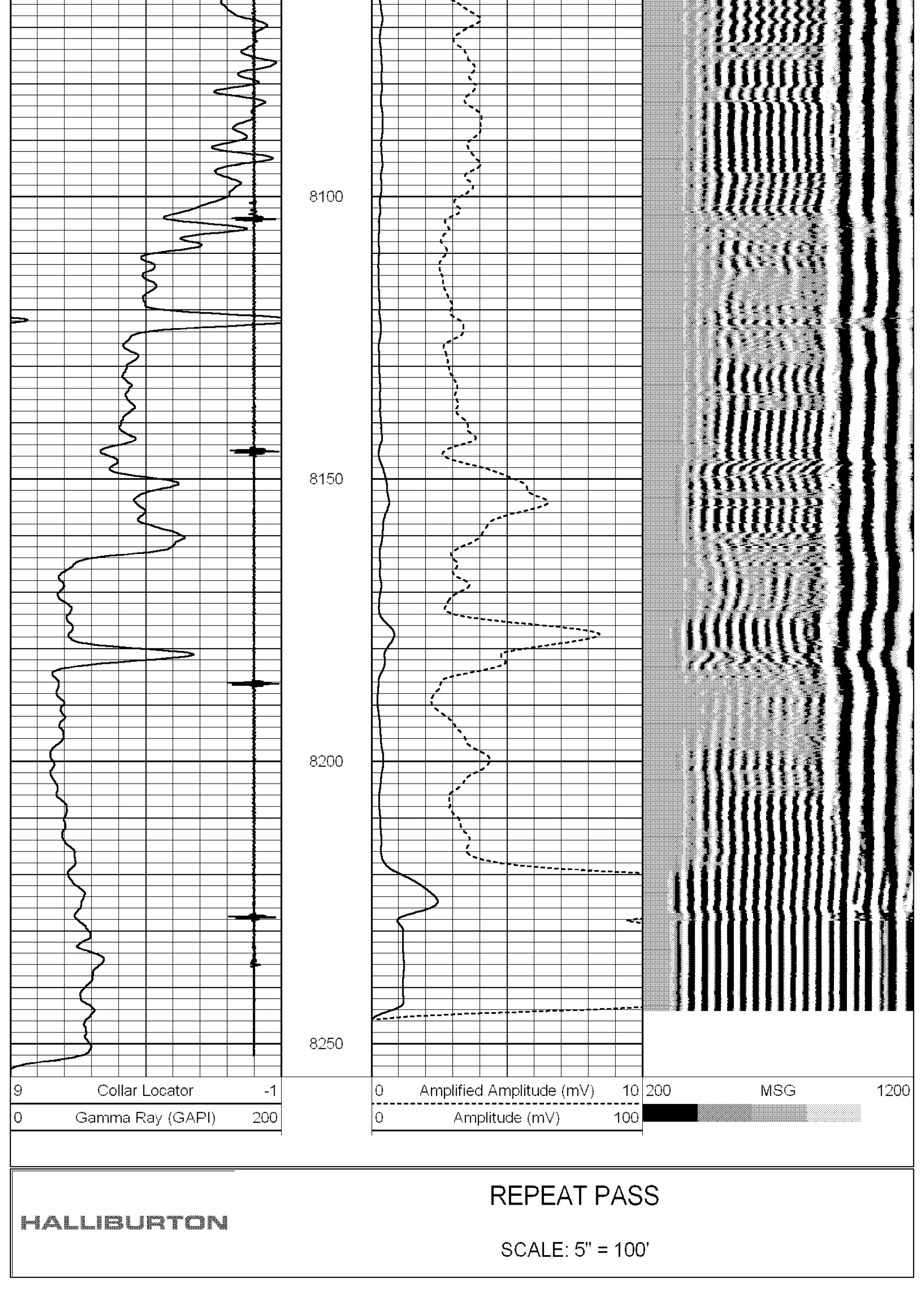
REPEAT PASS

SCALE: 5" = 100'

Database File:	encana sprague 4-6-9.db
Dataset Pathname:	pass4
Presentation Format:	jj_cbl
Dataset Creation:	Thu Jul 08 08:49:04 2010 by Log Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240

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

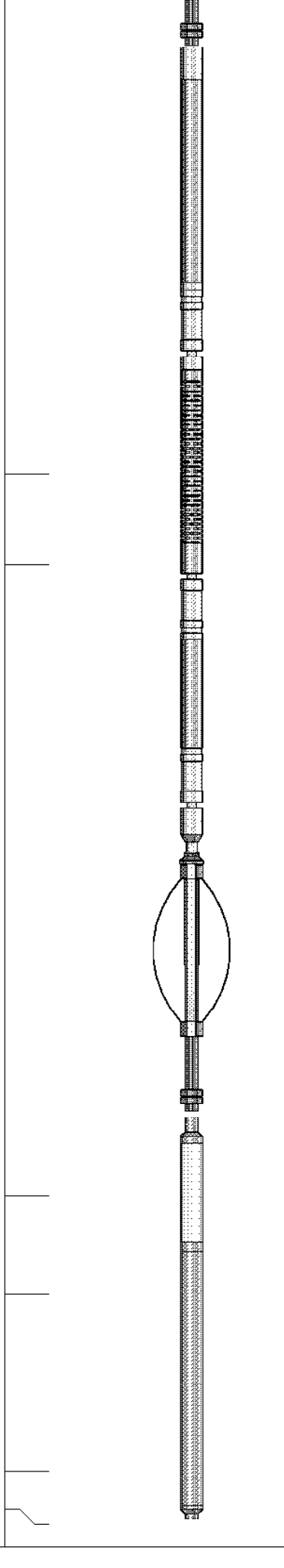


9	Collar Locator	-1
0	Gamma Ray (GAPI)	200
0	Amplified Amplitude (mV)	10
0	Amplitude (mV)	100
200	MSG	1200

HALLIBURTON

REPEAT PASS

SCALE: 5" = 100'

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STND_CH 1.4375 IN CABLE HEAD	1.08	1.44	1.00
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
WVF3	11.61		CBL-Probe (070321) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
WVF5	10.61					
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
CCL	3.63					
GR	2.54		GR-Probe (070355) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
TEMP	0.58					
LLMTEN	0.00					

Dataset: encana sprague 4-6-9.db: field/well/run1/pass6
Total Length: 20.31 ft
Total Weight: 191.00 lb
O.D. 2.75 in

Company	ENCANA OIL & GAS (USA) INC.		
Well	SPRAGUE 4-6-9		
Field	WATTENBERG		
County	WELD	State	COLORADO

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CEMENT
BOND LOG
SCALE: 5" = 100'