HALLIBURTON

CEMENT BOND LOG
GR-CCL

Company SUNDANCE ENERGY INC.
Well HFE 24-22
Field WATTENBERG
County WELD State COLORADO

Company	SUNDANCE ENERGY INC.
Well	HFE 24-22
Field	WATTENBERG
County	WELD
State	COLORADO

API No.: 05-123-35710-0000 Serv #:
Location:
SHL: 1120' FSL X 840' FWL SW SW
BHL: 713' FSL X 1969' FWL SE SW

Other Services
NONE

Sec: 22 Twp: 4N Rge: 68W

Permanent Datum	GL	Elevation	4920'	Elevation
Log Measured From	KB	, 16' Ft. above perm. datum		K.B. 4936' D.F. 4935' G.L. 4920'
Drilling Measured From	KB			

Date @ Time Logged	23-OCT-2012	Type Fluid in Hole	FRESH WATER
Run No.	2	Density of Fluid	8.33
Depth - Driller	7547'	Fluid Level	SURFACE
Depth - Logger	7460'	Cement Top Est. Logged	NA
Bottom - Logged Interval	7449'	Equipment / Location	11703208 / BRIGHTON
Top - Log Interval	6500'	Recorded by	MATT BALDWIN
Max. Recorded Temp.	NA	Witnessed by	NA

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	9.625"	SURFACE		8.625"	24	SURFACE	545
2	7.875"	SURFACE		4.5"	11.6	SURFACE	7189

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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 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!!!

YOUR CREW TODAY WAS: TONY DICAMILLO & TONY PIETRAS

!!!!!!!!!!!!!NO LOG AVAILABLE TO CORRELATE TO!!!!!!!!!!!!!

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

Database File: d:\warrior_data\sundance hfe 24-22 cbl\sundance hfe 24-22 cbl.db
Dataset Pathname: pass9
Presentation Format: mattcbl
Dataset Creation: Tue Oct 23 14:28:34 2012 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

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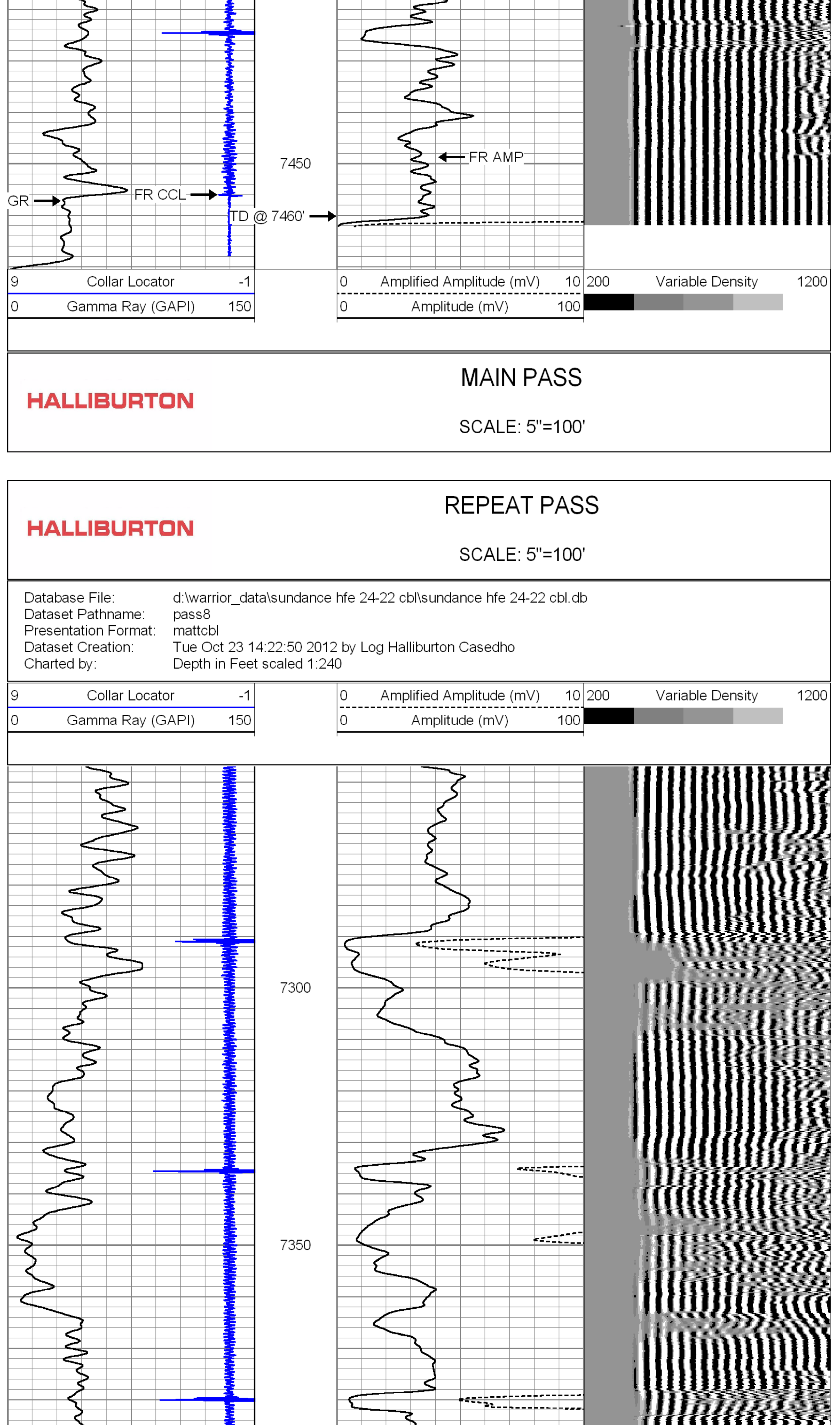
REPEAT PASS

SCALE: 5"=100'

Database File: d:\warrior_data\sundance hfe 24-22 cbl\sundance hfe 24-22 cbl.db
Dataset Pathname: pass8
Presentation Format: mattcbl
Dataset Creation: Tue Oct 23 14:22:50 2012 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240



HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Calibration Report

Database File: D:\Warrior_data\SUNDANCE HFE 24-22 CBL\sundance hfe 24-22 cbl.db
Dataset Pathname: pass9
Dataset Creation: Tue Oct 23 14:28:34 2012 by Log Halliburton Casedho

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Wed Mar 15 15:39:51 2006

	Reference	Reading
Low Reference:	0.00 degF	0.00 cps
High Reference:	100.00 degF	1000.00cps

Gain: 0.10
Offset: 0.00
Delta Spacing: 1

Gamma Ray Calibration Report

Type / Serial: Probe / 275

SHOP CALIBRATION Tue Mar 13 23:07:05 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	116.3				cps
Calibrator	422.7				cps
		0.7736			GAPI/cps

PRIMARY VERIFICATION Tue Mar 13 23:10:50 2012

Background	89.4		cps
Calibrator	326.1		cps
Difference		236.6	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 Oct 23 13:56:08 2012

Depth: 2888.74 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	-0.0136719	V
Reading in Free Pipe:	1.65313	1.25393	V
Gain:	48.7145	63.976	
Offset:	0.664927	0.974671	

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