HALLIBURTON

CEMENT BOND LOG

5"=100'

Company	MINERAL RESOURCES, INC.		
Well	COLE X6 4-8-31		
Field	WATTENBERG		
County	WELD	State	COLORADO

Company MINERAL RESOURCES, INC.
Well COLE X6 4-8-31
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County WELD State COLORADO

API No.: 05-123-31836-0000 Serv #: 77413644
Location:
SHL: 2592' FSL & 1714' FWL NE SW
BHL: 151' FSL & 2558' FEL SW SE

Other Services
NONE

Sec: 31 Twp: 5N Rge: 65W

Permanent Datum	GL	Elevation 4659'	Elevation	
Log Measured From	KB	15' Ft. above perm. datum	K.B.	4674'
Drilling Measured From	KB		D.F.	4673'
			G.L.	4659'

Date @ Time Logged	19-OCT-2010	Type Fluid in Hole	FRESH WATER
Run No.	1	Density of Fluid	8.33
Depth - Driller	7815'	Fluid Level	SURFACE
Depth - Logger	7756'	Cement Top Est. Logged	1270
Bottom - Logged Interval	7755'	Equipment / Location	10971660 / BRIGHTON
Top - Log Interval	Surface	Recorded by	MATT BALDWIN
Max. Recorded Temp.	254 F	Witnessed by	TOM COBB

CEMENTING DATA	Surface	Protection	Production	Liner
	String	String	String	
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.	/	/	/	/

Run Number	Borehole Record			Casing & Tubing Record			
	Bit	From	To	Size	Weight	From	To
1	7.875"	TD	SURFACE	4.5"	11.6	TD	SURFACE

<<< 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 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 LOG IS CORRELATED TO PSI'S NEUTRON LOG DATED SEPT 2, 2010

THANK YOU FOR USING HALLIBURTON!

YOUR CREW TODAY IS ROBERT CRAWFORD, JIM NORRIS, BRANDON LAWLEY, MARCUS THEIS & TONY DICAMILLO

HALLIBURTON

SUSSEX PASS

SCALE: 5"=100'

Database File: mineral resources re-1 x7 4-6-31 cbl.db
Dataset Pathname: pass2.3
Presentation Format: matt_cbl
Dataset Creation: Tue Oct 19 10:34:43 2010 by Calc Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	TEMP (degF)	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 300	0 Amplitude (mV) 100	■ ■ ■ ■
	LTEN 0 (lb) 2000		

HALLIBURTON

SUSSEX PASS

SCALE: 5"=100'

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

Database File:	mineral resources re-1 x7 4-6-31 cbl.db
Dataset Pathname:	pass2.2
Presentation Format:	matt_cbl
Dataset Creation:	Tue Oct 19 10:32:41 2010 by Calc Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240

9	Collar Locator	-1
0	Gamma Ray (GAPI)	200

TEMP
(degF)
0 300

LTEN
0 (lb) 2000

0	Amplified Amplitude (mV)	10
0	Amplitude (mV)	100

200 Variable Density 1200
■ ■ ■ ■

HALLIBURTON

MAIN PASS

SCALE: 5"=100'

HALLIBURTON

REPEAT PASS

SCALE: 5"=100'

Database File:	mineral resources re-1 x7 4-6-31 cbl.db
Dataset Pathname:	pass2.1
Presentation Format:	matt_cbl
Dataset Creation:	Tue Oct 19 10:30:39 2010 by Calc Halliburton Casedho
Charted by:	Depth in Feet scaled 1:240

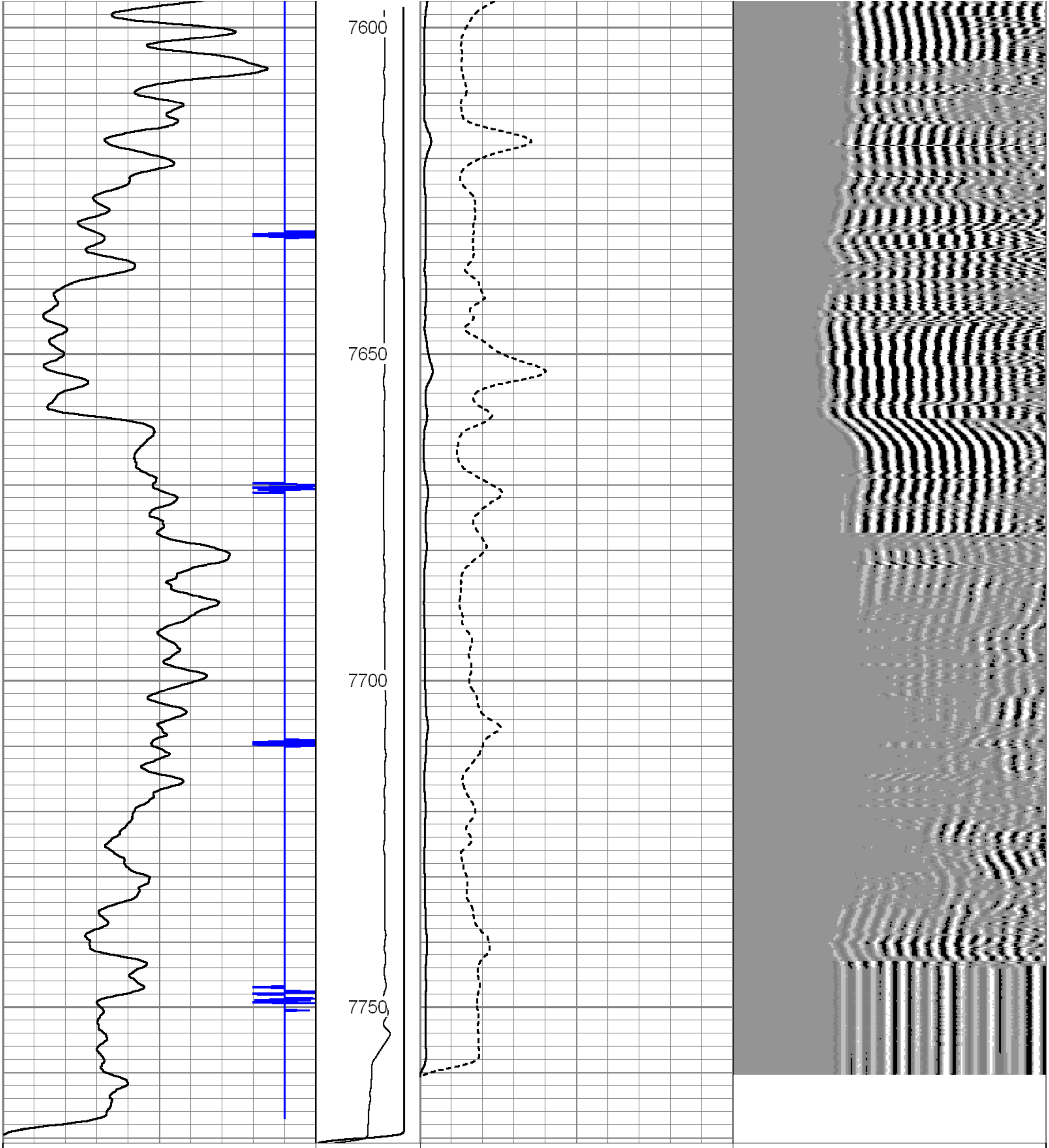
9	Collar Locator	-1
0	Gamma Ray (GAPI)	200

TEMP
(degF)
0 300

LTEN
0 (lb) 2000

0	Amplified Amplitude (mV)	10
0	Amplitude (mV)	100

200 Variable Density 1200
■ ■ ■ ■



9	Collar Locator	-1
0	Gamma Ray (GAPI)	200

TEMP
(degF)
0 300

LTEN
0 (lb) 2000

0	Amplified Amplitude (mV)	10
0	Amplitude (mV)	100

200 Variable Density 1200
■ ■ ■ ■

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REPEAT PASS

SCALE: 5"=100'

Company	MINERAL RESOURCES, INC.
Well	COLE X6 4-8-31
Field	WATTENBERG
County	WELD
State	COLORADO

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CEMENT BOND LOG

5"=100'