HALLIBURTON

CEMENT BOND LOG

5"=100'

Company	ROSETTA RESOURCES		
Well	DETERDING 21-11		
Field	VERNON		
County	YUMA	State	CO

Company	ROSETTA RESOURCES		
Well	DETERDING 21-11		
Field	VERNON		
County	YUMA	State	CO

API No.: 051251189000 Serv #: 7594803

Location: 2319' FSL & 1756' FWL
NE SW

Other Services

PERFORATE
2266-2276

Sec: 21 Twp: 1S Rge: 44W

Permanent Datum	GROUND LEVEL	Elevation 3906		Elevation
Log Measured From	KB , 12 Ft. above perm. datum		K.B.	3918
Drilling Measured From	KB		D.F.	3917
			G.L.	3906

Date @ Time Logged	27-AUG-2010	Type Fluid in Hole	FRESH WATER
Run No.	ONE	Density of Fluid	8.4
Depth - Driller	2855	Fluid Level	SURFACE
Depth - Logger	2796	Cement Top Est. Logged	1860
Bottom - Logged Interval	2784	Equipment / Location	10971687 / BRIGHTON
Top - Log Interval	1800	Recorded by	KYLE TOWNSEND
Max. Recorded Temp.	112	Witnessed by	TOM THURSTON

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

<<< 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

LOG CORRELATED TO PSI COMPENSATED NUETRON LOG DATED 16-JUL-2010

THANK YOU FOR CHOOSING HALLIBURTON

YOUR CREW TODAY: K. TOWNSEND, C. NAKAGAWA, P. LEMBCKE

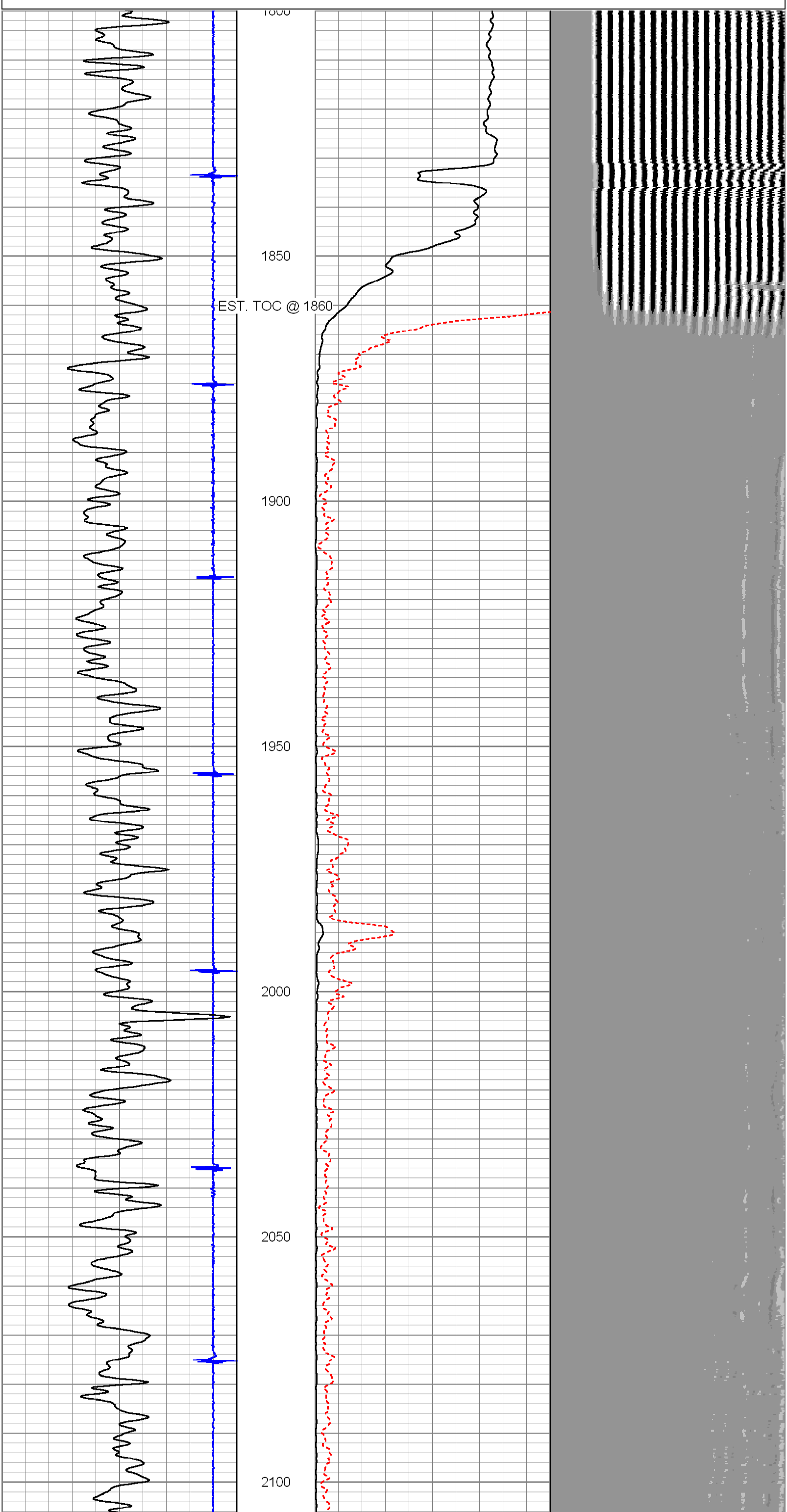
HALLIBURTON

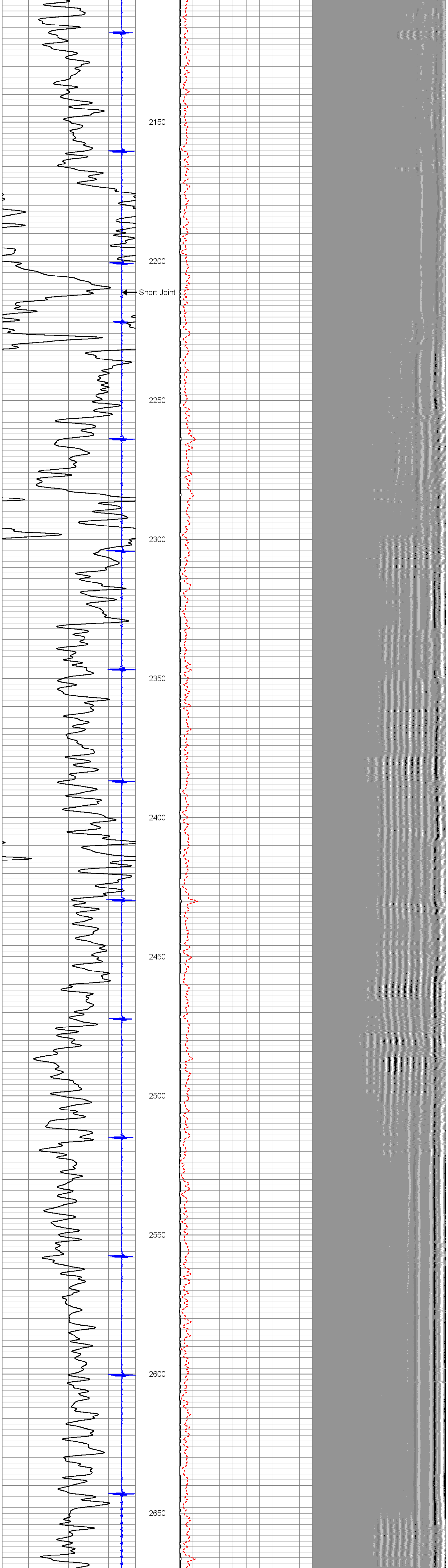
MAIN PASS

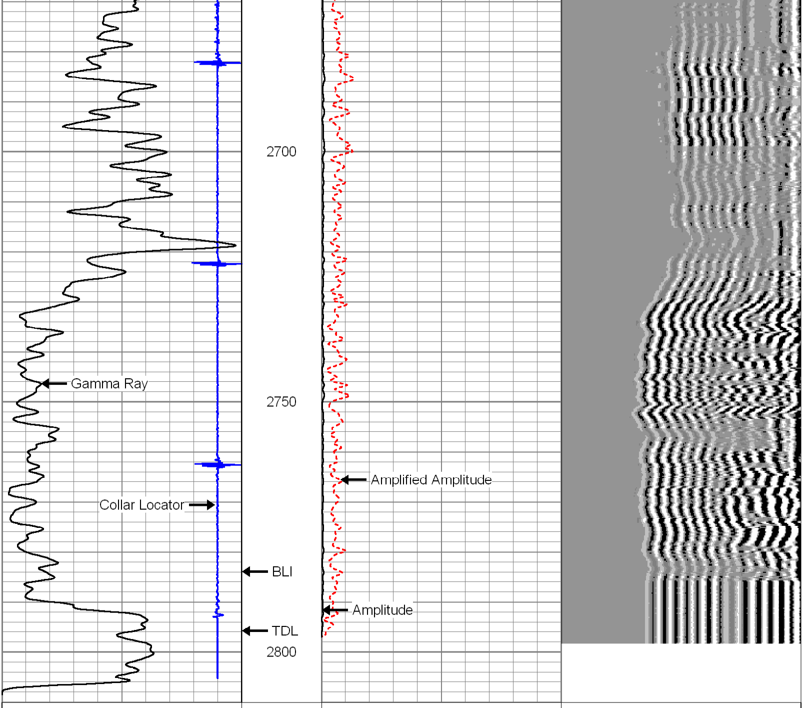
5"=100'

Database File: rosetta deterding 21-11.db
Dataset Pathname: pass4
Presentation Format: aakat4_5
Dataset Creation: Fri Aug 27 11:19:47 2010
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100		■ ▩ ▨ ░	







9 Collar Locator -1
0 Gamma Ray (GAPI) 150
0 Amplified Amplitude (mV) 10
0 Amplitude (mV) 100
200 Variable Density 1200

HALLIBURTON

MAIN PASS

5"=100'

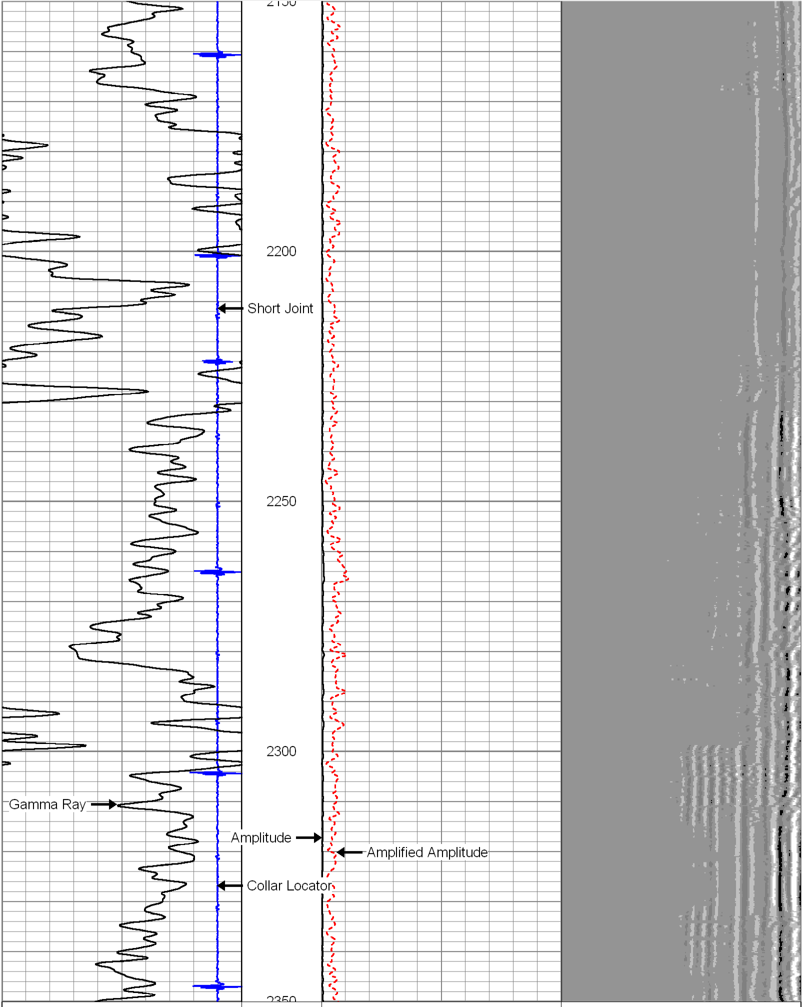
HALLIBURTON

REPEAT PASS

5"=100'

Database File: rosetta deterding 21-11.db
Dataset Pathname: pass2
Presentation Format: aakat4_5
Dataset Creation: Fri Aug 27 11:19:49 2010
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1
0 Gamma Ray (GAPI) 150
0 Amplified Amplitude (mV) 10
0 Amplitude (mV) 100
200 Variable Density 1200



9 Collar Locator -1
0 Gamma Ray (GAPI) 150
0 Amplified Amplitude (mV) 10
0 Amplitude (mV) 100
200 Variable Density 1200

HALLIBURTON

REPEAT PASS

5"=100'

Company ROSETTA RESOURCES OPERATING, LP
Well DETERDING 21-11
Field VERNON
County YUMA State CO

HALLIBURTON

CEMENT BOND LOG

5"=100'