HALLIBURTON

CEMENT BOND LOG

5"=100'

Company	KERR-MCGEE OIL AND GAS
Well	DENVER 23-18
Field	WATTENBERG
County	WELD
State	CO

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API No.: 05123326380000 Serv #: 8040926

Location: SHL: 1177' FSL & 936' FEL SESE
BHL: 1325' FSL & 2613' FEL NWSE

Sec: 18 Twp: 1N Rge: 66W

Other Services: NONE

Permanent Datum	GL	Elevation	4935	Elevation	
Log Measured From	KB , 14 Ft. above perm. datum			K.B.	4949
Drilling Measured From				D.F.	4948
				G.L.	4935

Date @ Time Logged	17-MAR-2011	Type Fluid in Hole	FRESH WATER
Run No.	ONE	Density of Fluid	8.33
Depth - Driller	8400	Fluid Level	SURFACE
Depth - Logger	8334	Cement Top Est. Logged	514
Bottom - Logged Interval	8323	Equipment / Location	11014931 / BRIGHTON
Top - Log Interval	350	Recorded by	ADAN SAENZ
Max. Recorded Temp.	200 deg F	Witnessed by	LEWIS CAMP

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	7.875	SURFACE	TD	4.5	11.3	SURFACE	TD

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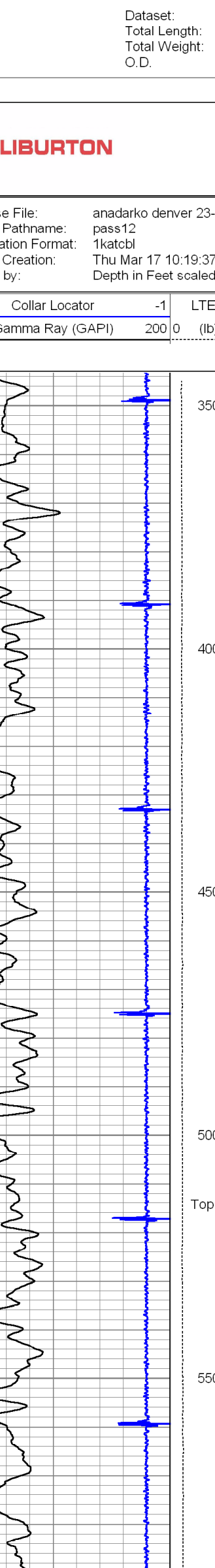
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHCIH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR 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

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES!

CREW: A.SAENZ, M.THEIS, C.KLEINSASSER, C.NAKAGAWA



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STND_CH 1.4375 IN CABLE HEAD	1.50	1.44	1.00
		CENT-Probe (PTS_MONO) Probe 2 3/4 Centralizer	2.88	2.75	35.00
WVF3 WVF5	11.61 10.61	CBL-Probe (070347) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
		CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
CCL GR	3.88 2.54	GR-Probe (070361) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
LLMTEN	0.00				

Dataset: anadarko denver 23-18.db: field/well/run1/pass12
Total Length: 20.73 ft
Total Weight: 161.00 lb
O.D.: 2.75 in

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SUSSEX PASS

5" = 100'

Database File: anadarko denver 23-18.db
Dataset Pathname: pass12
Presentation Format: 1katcbl
Dataset Creation: Thu Mar 17 10:19:37 2011 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

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

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SUSSEX PASS

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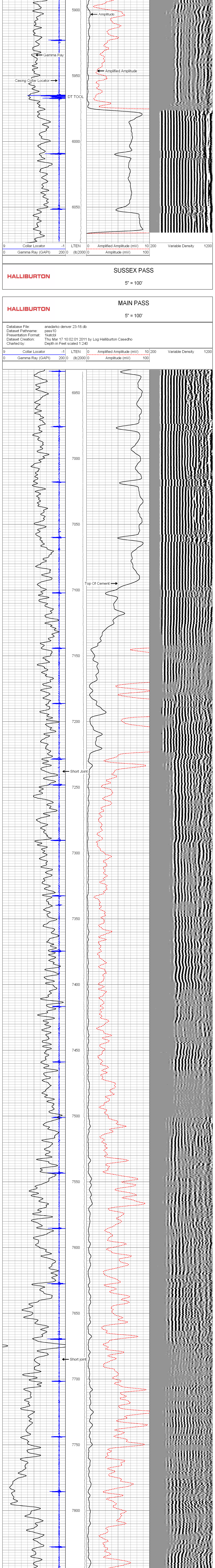
MAIN PASS

5" = 100'

Database File: anadarko denver 23-18.db
Dataset Pathname: pass10
Presentation Format: 1katcbl
Dataset Creation: Thu Mar 17 10:02:01 2011 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240



HALLIBURTON

MAIN PASS

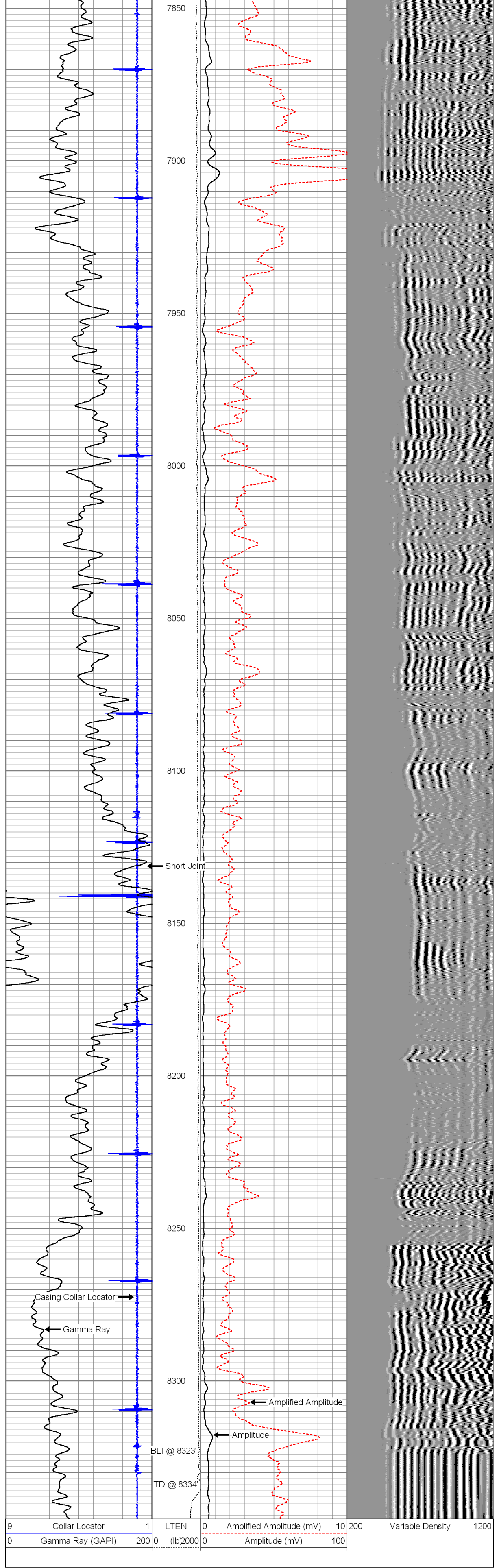
5" = 100'

HALLIBURTON

J-SAND PASS

5" = 100'

Database File: anadarko denver 23-18.db
Dataset Pathname: pass9
Presentation Format: 1katcbl
Dataset Creation: Thu Mar 17 09:52:32 2011 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240



HALLIBURTON

J-SAND PASS

5" = 100'

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Well	DENVER 23-18		
Field	WATTENBERG		
County	WELD	State	CO

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CEMENT BOND
LOG
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