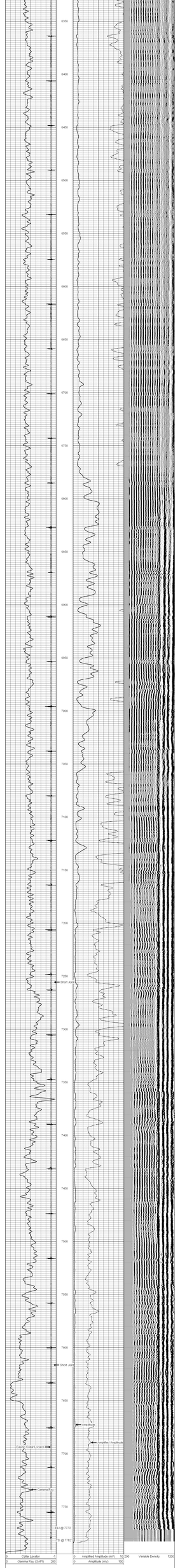

HALLIBURTON

CEMENT BOND LOG

Company KERR-MCGEE OIL & GAS ONSHORE
Well WILLIAMS 36-20
Field WATTENBERG
County WELD State COLORADO

Company KERR-MCGEE OIL & GAS ONSHORE
Well WILLIAMS 36-20
Field WATTENBERG
County WELD State COLORADO
API No.: 05-123-28067-0000 Serv #: 6772854
Location: SHL : 673' FNL X 1954' FWL NENW
(EST) BHL: 45' FSL X 2581' FEL SWSE
Other Services
PERFORATION ZONE (7652'-7664')
Sec: 20 Twp: 2N Rge: 68W

Permanent Datum GL Elevation 4923
Log Measured From KB 14 Ft. above perm. datum
Drilling Measured From KB
Elevation K.B. 4923 D.F. 4922 G.L. 4909

Date @ Time Logged	9-JULY-2009	Type Fluid in Hole	FRESH WATER
Run No.	ONE	Density of Fluid	8.4 PPG
Depth - Driller	7840'	Fluid Level	SURFACE
Depth - Logger	7782'	Cement Top Est. Logged	3120'
Bottom - Logged Interval	7770'	Equipment / Location	11014931 / BRIGHTON
Top - Log Interval	2800'	Recorded by	A. SAENZ
Max. Recorded Temp.	235	Witnessed by	LEWIS CAMP

CEMENTING DATA	Surface	Protection	Production	Liner
	String	String	String	
Date / Time Cemented	N/A	N/A	N/A	N/A
Primary / Squeeze	N/A	N/A	N/A	N/A
Expected Compressive Strength	N/A psi@ N/A hrs	N/A psi@ N/A hrs	N/A psi@ N/A hrs	N/A psi@ N/A hrs
Cement Volume	N/A	N/A	N/A	N/A
Cement Type / Weight	N/A / N/A	N/A / N/A	N/A / N/A	N/A / N/A
Formulation	N/A	N/A	N/A	N/A
Mud Type / Mud Wgt.	N/A / N/A	N/A / N/A	N/A / N/A	N/A / N/A

Borehole Record				Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	N/A	SURFACE	TD	4.5	11.6	SURFACE	TD

<<< 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

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES, BRIGHTON CO 303-825-4346

LOG CORRELATED TO SCHLUMBERGER PLATFORM EXPRESS LOG
DATED: 5-APR-2009

RIG: HES CRANE
YOUR CREW TODAY: K. TOWNSEND, P.THOMAS

HALLIBURTON

SUSSEX PASS

5"=100'

Database File: anadarko williams 36-20.db
Dataset Pathname: pass3
Presentation Format: ana cbl2
Dataset Creation: Thu Jul 09 09:19:47 2009 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

HALLIBURTON

SUSSEX PASS

5"=100'

HALLIBURTON

MAIN PASS

5"=100'

Database File: anadarko williams 36-20.db
Dataset Pathname: pass2
Presentation Format: ana cbl2
Dataset Creation: Thu Jul 09 08:44:39 2009 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

HALLIBURTON

MAIN PASS

5"=100'

Company	KERR-MCGEE OIL & GAS ONSHORE		
Well	WILLIAMS 36-20		
Field	WATTENBERG		
County	WELD	State	COLORADO

HALLIBURTON

CEMENT BOND
LOG