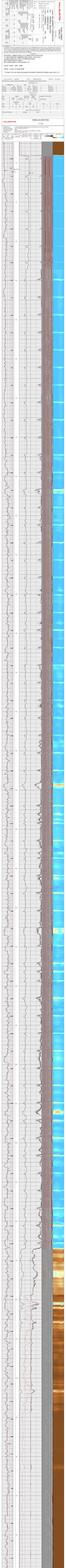
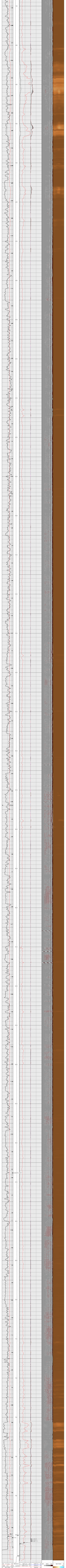

Mud Log
Lithology
Gas Ratio
Chromatograph
Drilling Parameters
Mud Properties
Cuttings Description
Comments
Geological Time Scale
Depth



HALLIBURTON

MAIN LOG SECTION

5"x100'

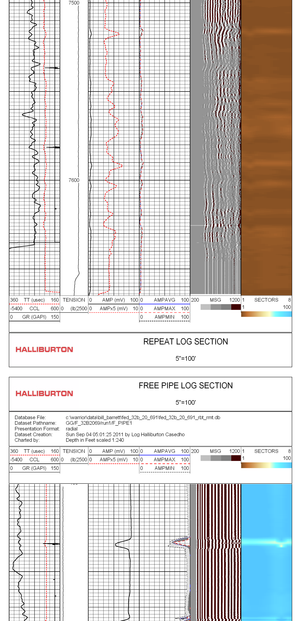
HALLIBURTON

REPEAT LOG SECTION

5"x100'

Database File: c:\warrior\data\bill_barrett\fed_32b_20_6916wl_32b_20_691_rst_rmt.db
Database Pathname: GGF_32B2069Run#3_F_FINES
Presentation Format: radial
Dataset Creation: Sun Sep 04 06:12:17 2011 by Log Halliburton Cassidy
Charted by: Depth in Feet scaled 1:240

300 TT (usec) 160	TENSION 0	AMP (mV) 100 0	AMPAVG 100 200	MSG 1200.1	SECTORS 8
5400 CCL 600 0	(lb)2500 0	AMPVS (mV) 10 0	AMPMAX 100	1	100
0 GR (GAPI) 150			0 AMPMIN 100		



300 TT (usec) 160	TENSION 0	AMP (mV) 100 0	AMPAVG 100 200	MSG 1200.1	SECTORS 8
5400 CCL 600 0	(lb)2500 0	AMPVS (mV) 10 0	AMPMAX 100	1	100
0 GR (GAPI) 150			0 AMPMIN 100		

HALLIBURTON

REPEAT LOG SECTION

5"x100'

HALLIBURTON

FREE PIPE LOG SECTION

5"x100'

Database File: c:\warrior\data\bill_barrett\fed_32b_20_6916wl_32b_20_691_rst_rmt.db
Database Pathname: GGF_32B2069Run#3_F_FINES
Presentation Format: radial
Dataset Creation: Sun Sep 04 05:01:25 2011 by Log Halliburton Cassidy
Charted by: Depth in Feet scaled 1:240

300 TT (usec) 160	TENSION 0	AMP (mV) 100 0	AMPAVG 100 200	MSG 1200.1	SECTORS 8
5400 CCL 600 0	(lb)2500 0	AMPVS (mV) 10 0	AMPMAX 100	1	100
0 GR (GAPI) 150			0 AMPMIN 100		

300 TT (usec) 160	TENSION 0	AMP (mV) 100 0	AMPAVG 100 200	MSG 1200.1	SECTORS 8
5400 CCL 600 0	(lb)2500 0	AMPVS (mV) 10 0	AMPMAX 100	1	100
0 GR (GAPI) 150			0 AMPMIN 100		

HALLIBURTON

FREE PIPE LOG SECTION

5"x100'

Database File: C:\Warrior\Data\BILL BARRETT\FED_32B_20_691fwl_32b_20_691_rst_rmt.db
Dataset Pathname: GGF_32B2069Run#3\MAIN_1
Dataset Creation: Sun Sep 04 05:36:24 2011 by Log Halliburton Cassidy

Segmented Cement Bond Log Calibration Report

Serial Number:	2211
Tool Model:	904
Calibration Casing Diameter:	4.500 in
Calibration Depth:	100.362 ft

Master Calibration, performed Sun Sep 04 04:57:36 2011

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.001	0.715	2.000	81.196	110.955	1.837
5FT	0.003	0.825	1.000	81.196	96.253	1.747
1	0.004	0.933	0.000	100.000	107.472	-0.473
2	0.004	0.922	0.000	100.000	108.425	-0.401
3	0.004	0.922	0.000	100.000	108.425	-0.401
4	0.004	0.785	0.000	100.000	128.179	-0.562
5	0.004	0.775	0.000	100.000	129.688	-0.562
6	0.004	0.796	0.000	100.000	125.852	-0.558
7	0.003	0.841	0.000	100.000	119.283	-0.373
8	0.003	0.894	0.000	100.000	112.270	-0.356

Calibration Report

Serial Number:	2211
Tool Model:	904
Performed:	
Reference (degF):	Reading ()
Low:	0.000 0.000
High:	1.000 1.000
Gain = 1.000	Offset = 0.000

Reservoir Monitor Tool I Calibration Report

Serial-Model:	11006006-A
Shop Calibration Performed:	Thu Aug 25 16:24:40 2011

Carbon/Oxygen Mode

Stabilization

Result	Logged	Expected Value	Diff	Tol.	Units
GENV	80.00	80.00	0.00	+/-15.00	V
ITCR2	3146	3250	-102	+/-250	cps

Near Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60.13	60.00	0.0257	5.50	+6.00
Fe	206.55	206.00	0.0929	-----	-----
H2/Al/H = 0.997	NCOFF = 0.0				

Far Detector

	Channel	Expected Value	Amplitude	FWHM	Tol.
H	60.13	60.00	0.0269	5.55	+6.50
Fe	205.55	206.00	0.0909	-----	-----
FGAIN = 0.995	FZOFF = 0.2				

Result	Logged	Expected Value	Diff	Tol.	Units
CORR2	0.45	0.44	0.01	+/-0.03	
LIRR2	1.64	1.64	0.00	+/-0.20	
TCCR2	4952	4700	252	+/-1000	cps
ITCR2	3144	3250	-106	+/-250	cps

Capture Mode

Stabilization

Result	Logged	Expected Value	Diff	Tol.	Units
GENV	81.00	80.00	1.00	+/-15.00	V
FCAP	10197	10000	197	+/-500	cps

Horizontal Water Tank

Result	Logged	Expected Value	Diff	Tol.	Units
NIF Normalizer	0.93	0.95	-0.02	+/-0.10	
NIF Inst Norm	0.93	0.91	0.01	+/-0.05	
RNF	1.08	1.05	0.03	+/-0.10	
RSICF					
SGFN	24.07	24.00	0.07	+/-1.00	cu
SIGF	22.93	22.85	0.08	+/-0.70	cu
FGAF	24675	24000	675	+/-2000	
FSAF	14475	15000	-525	+/-1000	cps
HFTR	0.62			+/-0.10	
HFTR	0.89			+/-0.00	
HBKG	111			+/500	cps
FBKG	0			+/500	cps
RTNF	0.42	0.40	0.02	+/-0.05	usec
RTIF	0.45	0.40	0.05	+/-0.25	usec

Calibration Software Modules

HRMT1 Module	2011.3.25.0
RMT1 Module	2011.3.25.1

Log Data Acquisition Software Modules

HRMT1 Module	2011.3.25.0
RMT1 Module	2011.3.25.1

Gamma Ray Calibration Report

Type / Serial: 001 / 10002718

SHOP CALIBRATION

Sat Sep 03 12:32:28 2011

	Counts/Sec	Gain	Offset	Jig	Units
Background	30.6				cps
Calibrator	330.3				cps
		1.4035			GAPI/cps

PRIMARY VERIFICATION

Sat Sep 03 12:36:18 2011

Background	56.3		cps
Calibrator	466.4		cps
Difference		410.1	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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
RmtCementRep	16.19					
RmtCementDec	16.19		STNG_CH 1.4375 IB CABLE HEAD	1.00	1.44	1.00
RmtCementPr	16.19					
RmtCementar	16.19					
RmtCemCmd	16.19		TTTC(U-001 (10002718) Through Tubing Telemetry Cartridge - Ultrawire	6.55	1.69	33.00
RmtCemPV	16.19					
RmtGeol	16.19					
RmtCemFTH	16.19					
RmtGenTemp	16.19					
RmtCemFTSD	16.19					
RmtCem200V	16.19					
RmtCemFT2d	16.19					
RmtCemTrV	16.19					
RmtCemClamp	16.19					
RmtCemSyncV	16.19					
RmtCem+5dcV	16.19					
RmtCem15dcV	16.19					
RmtCemcnv	16.19					
RmtHDet5dd	16.19					
RmtRmtgV1	16.19					
RmtHPdd	16.19					
RmtHPdHV	16.19					
RmtHTemp	16.19					
RmtFDet5dd	16.19					
RmtFTmp3H	16.19					
RmtFPdd	16.19					
RmtFPdHV	16.19					
RmtFTemp	16.19					
WVF3FT	8.32					
WVF5T	8.32					
WVF5Z	8.32					
WVF10	8.32					
WVF15	8.32		GcoSonder_ Go Box + Sonde Pin CrossOver	0.27	1.69	1.00
WVF30	8.32					
WVF50	8.32		ALH-001 (000001) Adapter Ultrawire/Hallibuton	0.38	1.69	3.00
WVF104	8.32					
WVF95	8.32		CENT-Probe (PTS_MONO2) Probe 2 1/4 Centralizer	2.88	2.75	35.00
WVF96	8.32					
WVF97	8.32					
WVF98	8.32					
CBLTDEP	8.32					
CBLROT	8.32					
WVFPFT	7.32		RBT-004 (2211) Radial Bond Tool (Util 3 Hb)	9.47	3.13	140.00
LLWTEN	0.00					
XHUERR1	0.00					
XHUERR2	0.00					
XHUTEMP	0.00					
XHUCURR	0.00					
XHUVOLT	0.00					
XHUSTAT	0.00		CENT-Probe (PT_MONO2) Probe 2 1/4 Centralizer	2.88	2.75	35.00
TSTAMP	0.00					
ITEMPX	0.00		BUL-001 (000001) Bullnose	0.30	1.69	1.50
HVOLTX	0.00					

Dataset: fed_32b_20_691_rst_rmt.db: GGF_32B2069Run1\MAIN_1
Total Length: 30.38 ft
Total Weight: 333.50 lb
O.D. 3.13 in

Company	BILL BARRETT CORPORATION
Well	FEDERAL 32B-20-691
Field	GIBSON GULCH
County	GARFIELD State CO

HALLIBURTON

RADIO CEMENT
BOND LOG