ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 41B-32-691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO
API # :	05-045-18910
Location:	SHL: 0409' FNL & 0204' FWL BHL: 0820' FNL & 0664' FEL
SEC 33 TWP 6S RGE 91W	
Other Services	GAUGE RING 3.75"
Permanent Datum	G.L.
Elevation	6374'
Log Measured From	K.B.
Ft Above PD	22'
Drilling Measured From	K.B.
Elevation	K.B. 6396' D.F. 6395' G.L. 6374'

Date	09-07-2010	
Run Number	ONE	
Depth Driller	7720'	
Present Depth Driller	7640'	
Depth Logger	7640'	
Bottom Logged Interval	7640'	
Top Log Interval	1850'	
Fluid Level	SURFACE	
Type Fluid	WATER	
Max. Recorded Temp.	219.3°	
Estimated Cement Top	2400'	
Equipment Number	216	
Location	GRAND JCT.	
Recorded By	ESCANERO	HARRIS
Witnessed By	MR. BEAUXIS	

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	838'	5776'	9.625"	36#	SURFACE	838'
TWO	7.880"	5776'	7720'	4.5"	11.6#	SURFACE	7720'

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

WARRIOR 7.0 SOFTWARE - Comments

NOTE: THIS LOG WAS DEPTH CORRELATED USING A WEATHERFORD NEUTRON LOG DATED 07-05-10
NOTE: 5" = 100'
CSG PSI = 0
SHORT JOINTS ARE AT 6517' TO 6539' AND 5013' TO 5035'

Calibration Report

Database File: E:\BARRETT\090710bbc_ggu_federal_41_33_691.db
Dataset Pathname: TEMP/pass4
Dataset Creation: Tue Sep 07 20:08:04 2010 by Log Std Casedhole 07122

Temperature Calibration Report

Serial Number: 216611
Tool Model: 016
Performed: Fri Oct 24 13:21:19 2008

Point #	Reading		Reference	
1	11136.00	cps	63.28	degF
2	17489.00	cps	104.70	degF
3	28778.00	cps	175.60	degF
4	40401.00	cps	250.00	degF
5	51742.00	cps	321.75	degF
6	57178.00	cps	355.95	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: 217693
Tool Model: 020
Performed: Fri Aug 13 13:30:28 2010

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1122
Tool Model: 004

Calibration Casing Diameter:	4.500	in
Calibration Depth:	278.450	ft

Master Calibration, performed Tue Sep 07 18:05:36 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.034	0.734	0.000	81.196	116.005	-3.972
5FT	0.020	0.890	0.000	81.196	93.416	-1.908
S1	0.030	0.776	0.000	100.000	133.962	-4.018
S2	0.029	0.814	0.000	100.000	127.371	-3.683
S3	0.028	0.762	0.000	100.000	136.266	-3.834
S4	0.027	0.739	0.000	100.000	140.520	-3.808
S5	0.029	0.714	0.000	100.000	146.046	-4.245
S6	0.028	0.708	0.000	100.000	147.003	-4.143
S7	0.030	0.721	0.000	100.000	144.743	-4.295
S8	0.029	0.748	0.000	100.000	139.157	-4.028

Calibration Report

Serial Number: 1122
Tool Model: 004
Performed:

	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

Database File: e:\barrett\090710bbc_ggu_federal_41_33_691.db
Dataset Pathname: TEMP/pass4.1
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 11:01:35 2010 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

16100 Collar Locator 17600	LTEN	0 AMP AMPLITUDE (mV) 20	200 VDL 1200
0 Gamma Ray (GAPI) 150	0 (lb) 2000	0 AMPLITUDE (mV) 100	
		380 TRAVEL TIME (usec) 180	

16100 Collar Locator 17600 | LTEN | 0 AMP AMPLITUDE (mV) 20 | 200 VDL 1200
0 Gamma Ray (GAPI) 150 | 0 (lb)2000 | 0 AMPLITUDE (mV) 100
380 TRAVEL TIME (usec) 180

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

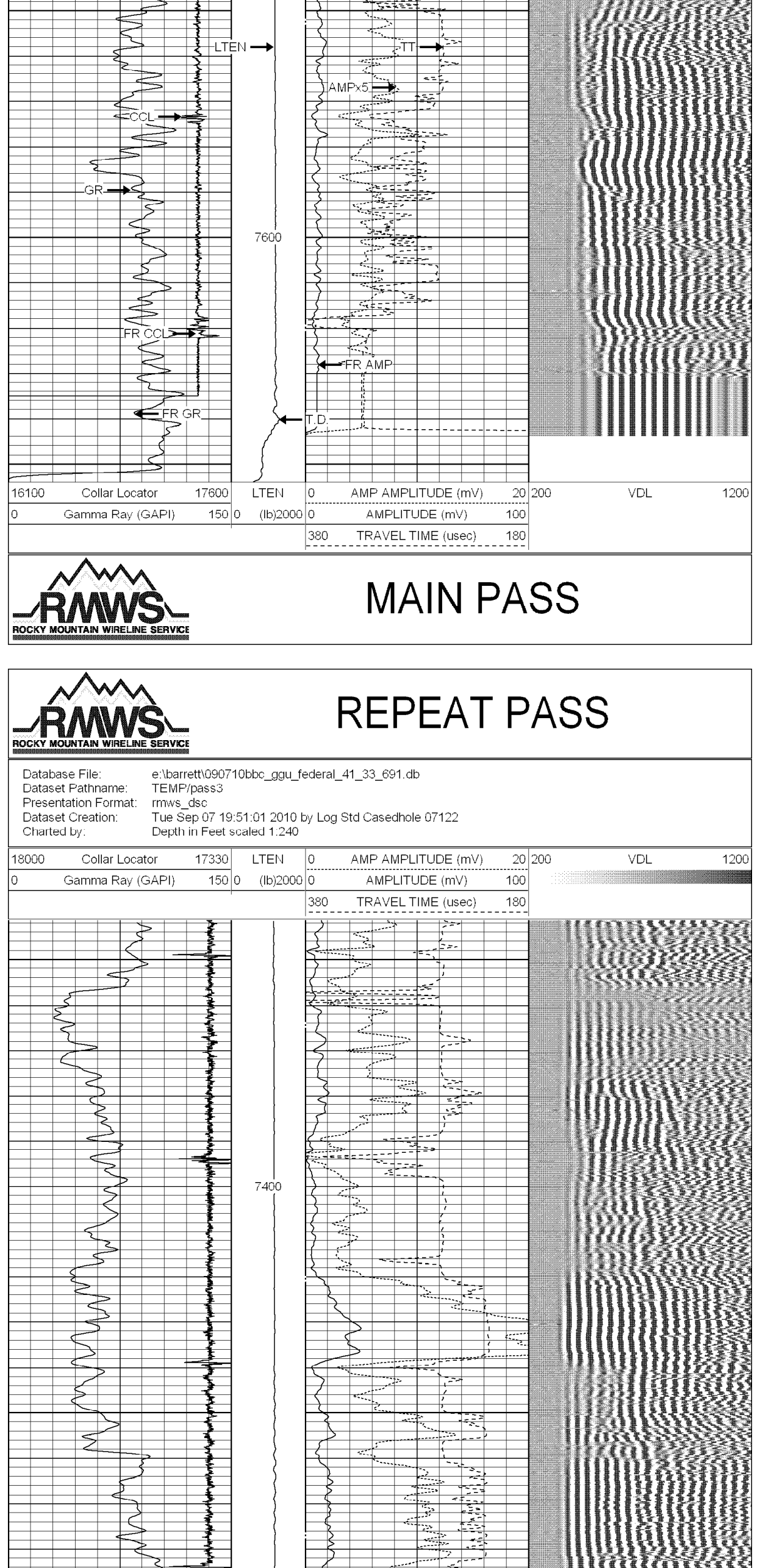
MAIN PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: e:\barrett\090710bbc_ggu_federal_41_33_691.db
Dataset Pathname: TEMP/pass3
Presentation Format: rmws_dsc
Dataset Creation: Tue Sep 07 19:51:01 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

18000 Collar Locator 17330 | LTEN | 0 AMP AMPLITUDE (mV) 20 | 200 VDL 1200
0 Gamma Ray (GAPI) 150 | 0 (lb)2000 | 0 AMPLITUDE (mV) 100
380 TRAVEL TIME (usec) 180



18000 Collar Locator 17330 | LTEN | 0 AMP AMPLITUDE (mV) 20 | 200 VDL 1200
0 Gamma Ray (GAPI) 150 | 0 (lb)2000 | 0 AMPLITUDE (mV) 100
380 TRAVEL TIME (usec) 180

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

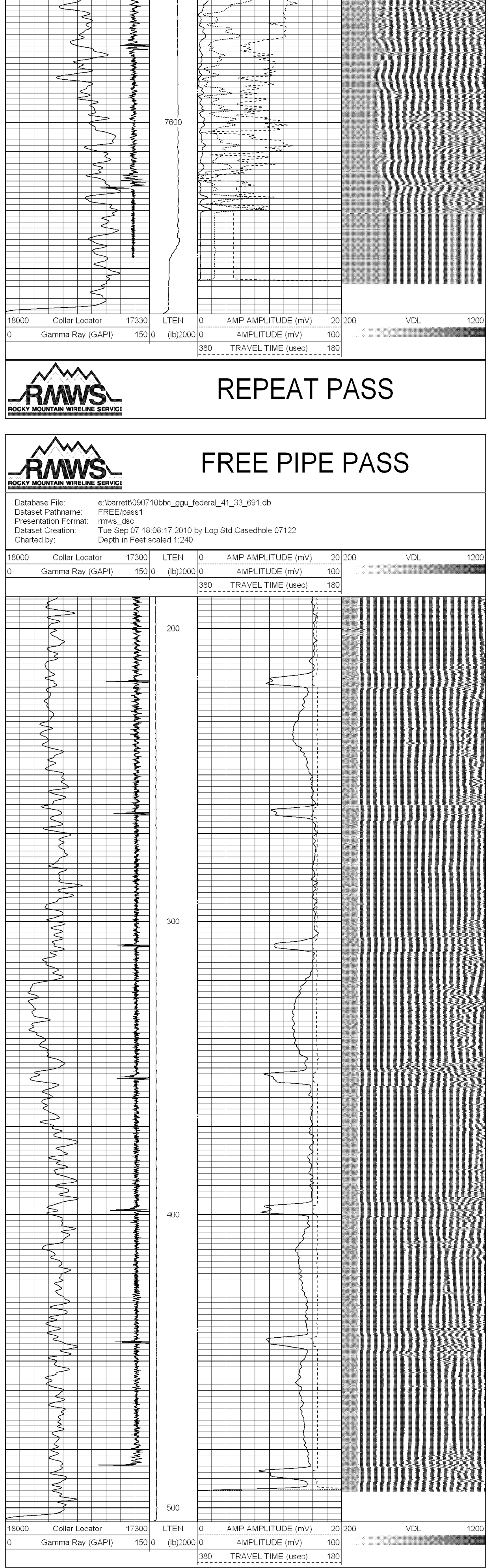
REPEAT PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File: e:\barrett\090710bbc_ggu_federal_41_33_691.db
Dataset Pathname: FREE/pass1
Presentation Format: rmws_dsc
Dataset Creation: Tue Sep 07 18:08:17 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

18000 Collar Locator 17300 | LTEN | 0 AMP AMPLITUDE (mV) 20 | 200 VDL 1200
0 Gamma Ray (GAPI) 150 | 0 (lb)2000 | 0 AMPLITUDE (mV) 100
380 TRAVEL TIME (usec) 180



18000 Collar Locator 17300 | LTEN | 0 AMP AMPLITUDE (mV) 20 | 200 VDL 1200
0 Gamma Ray (GAPI) 150 | 0 (lb)2000 | 0 AMPLITUDE (mV) 100
380 TRAVEL TIME (usec) 180

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

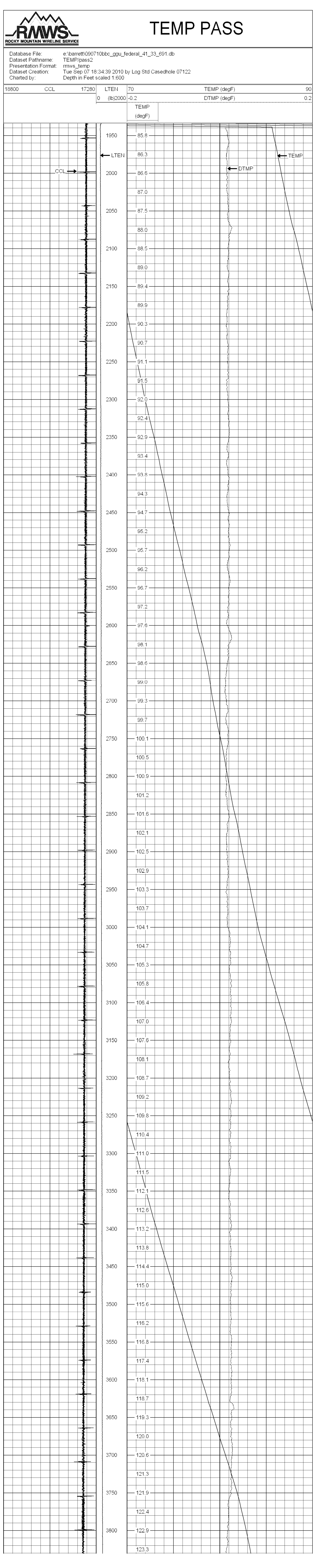
FREE PIPE PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

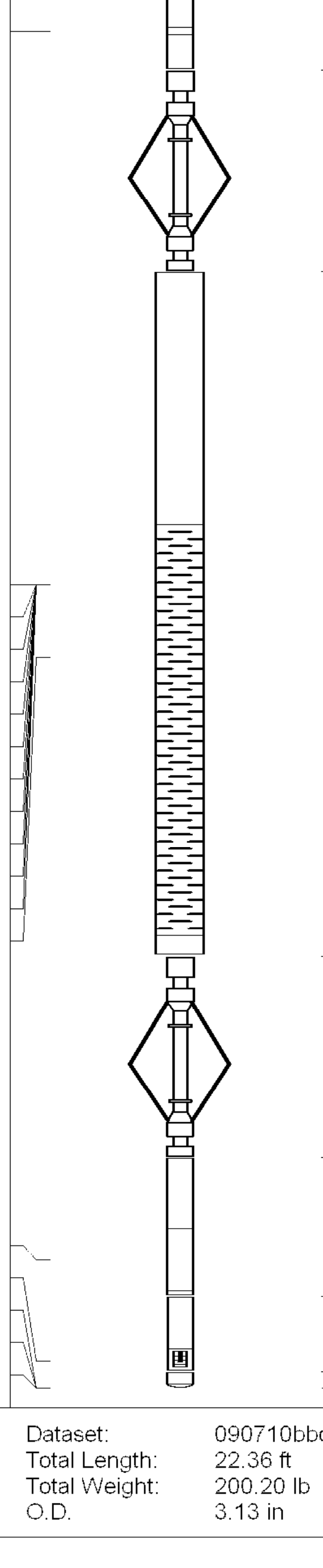
TEMP PASS

Database File: e:\barrett\090710bbc_ggu_federal_41_33_691.db
Dataset Pathname: TEMP/pass2
Presentation Format: rmws_temp
Dataset Creation: Tue Sep 07 18:34:39 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:600

18800 CCL 17280 | LTEN | 70 TEMP (degF) 90
0 (lb)2000 | -0.2 DTMP (degF) 0.2
TEMP (degF)



TEMP PASS

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (217219) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	18.74		CCL-015 (214436) Casing Collar Locator	1.54	1.69	9.00
			PRC-034 (C-1214) Production Roller Centraliser (4 Arm) SONDEX	2.77	1.69	13.00
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	11.09 11.09 11.09 11.09 11.09 11.09 11.09 11.09 11.09 11.09 11.09 10.09		RBT-004 (1122) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-034 (C-1213) Production Roller Centraliser (4 Arm) SONDEX	2.77	1.69	13.00
GR	1.76		PGR-020 (217693) Production Gamma Ray	1.93	1.69	9.50
TEMP TSTAMP	0.37 0.00		PRT-016 (216611) Platinum Resistance Thermometer	1.04	1.69	6.00
ITEMPX HVOLTX	0.00 0.00		BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	090710bbc_ggu_federal_41_33_691.db: field/well/TEMP/pass4
Total Length:	22.36 ft
Total Weight:	200.20 lb
O.D.	3.13 in

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 41B-32-691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO