RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 41C-32-691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO
Location:	API # : 05-045-18913
	SHL: 0419' FNL & 0221' FWL
	BHL: 0490' FNL & 0664' FEL
	SEC 33 TWP 6S RGE 91W
Other Services	GAUGE RING 3.75"

Permanent Datum	G.L.	Elevation	6352'
Log Measured From	K.B.	Ft Above PD	23'
Drilling Measured From	K.B.		

Elevation
K.B. 6375'
D.F. 6374'
G.L. 6352'

Date	09-08-2010	
Run Number	ONE	
Depth Driller	7709'	
Present Depth Driller	7640'	
Depth Logger	7640'	
Bottom Logged Interval	7640'	
Top Log Interval	2150'	
Fluid Level	SURFACE	
Type Fluid	WATER	
Max. Recorded Temp.	219.7°	
Estimated Cement Top	2850'	
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"	825'	6032'	9.625"	36#	SURFACE	825'
TWO	7.880"	6032'	7709'	4.5"	11.6#	SURFACE	7709'

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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 07-21-10
NOTE: 5" = 100'
CSG PSI = 0
SHORT JOINTS ARE AT 6504' TO 6526' AND 5164' TO 5176'

Calibration Report

Database File: E:\BARRETT\090810bbc_federal_41c_32_691.db
Dataset Pathname: MAIN/pass2
Dataset Creation: Wed Sep 08 15:53:47 2010

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:	448.525	ft

Master Calibration, performed Wed Sep 08 09:33:18 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.034	0.965	0.000	81.196	87.225	-2.987
5FT	0.020	1.004	0.000	81.196	82.521	-1.685
S1	0.030	0.999	0.000	100.000	103.170	-3.094
S2	0.029	1.028	0.000	100.000	100.071	-2.894
S3	0.028	0.974	0.000	100.000	105.708	-2.974
S4	0.027	0.967	0.000	100.000	106.351	-2.882
S5	0.029	0.957	0.000	100.000	107.713	-3.131
S6	0.028	0.957	0.000	100.000	107.616	-3.033
S7	0.030	0.967	0.000	100.000	106.720	-3.167
S8	0.029	0.983	0.000	100.000	104.779	-3.033

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

RMWS
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MAIN PASS

Database File: e:\barrett\090810bbc_federal_41c_32_691.db
Dataset Pathname: MAIN/pass2
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 15:53:47 2010
Charted by: Depth in Feet scaled 1:240

18800 Collar Locator 17280	LTEN	0 AMP AMPLITUDE (mV) 20
0 Gamma Ray (GAPI) 150	0 (lb) 2000	0 AMPLITUDE (mV) 100
		380 TRAVEL TIME (usec) 180

200 VDL 1200

18800	Collar Locator	17280	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			

ROCKY MOUNTAIN WIRELINE SERVICE

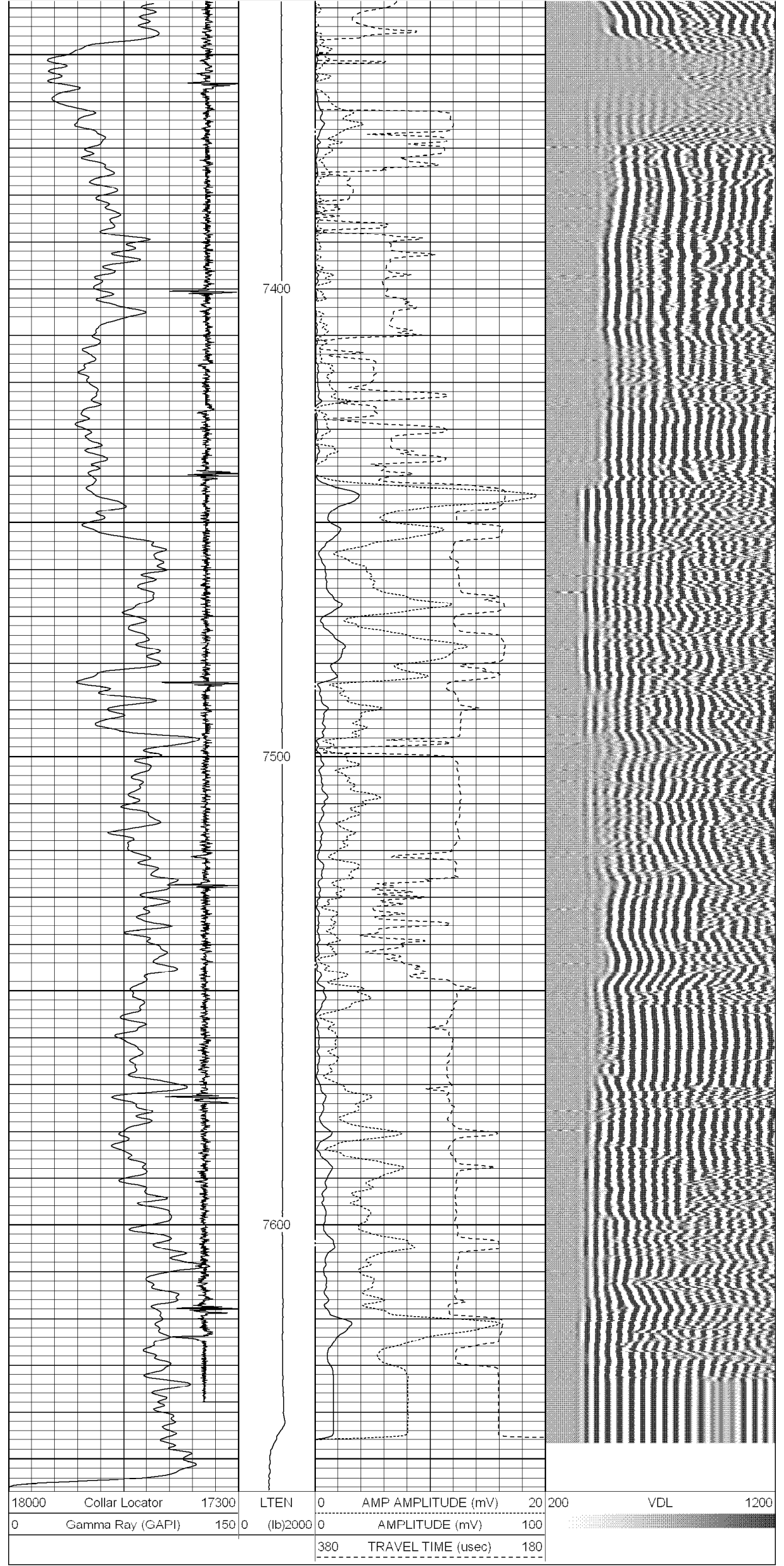
MAIN PASS

ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: e:\barrett\090810bbc_federal_41c_32_691.db
Dataset Pathname: REPEAT/pass1
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 11:37:00 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			

ROCKY MOUNTAIN WIRELINE SERVICE

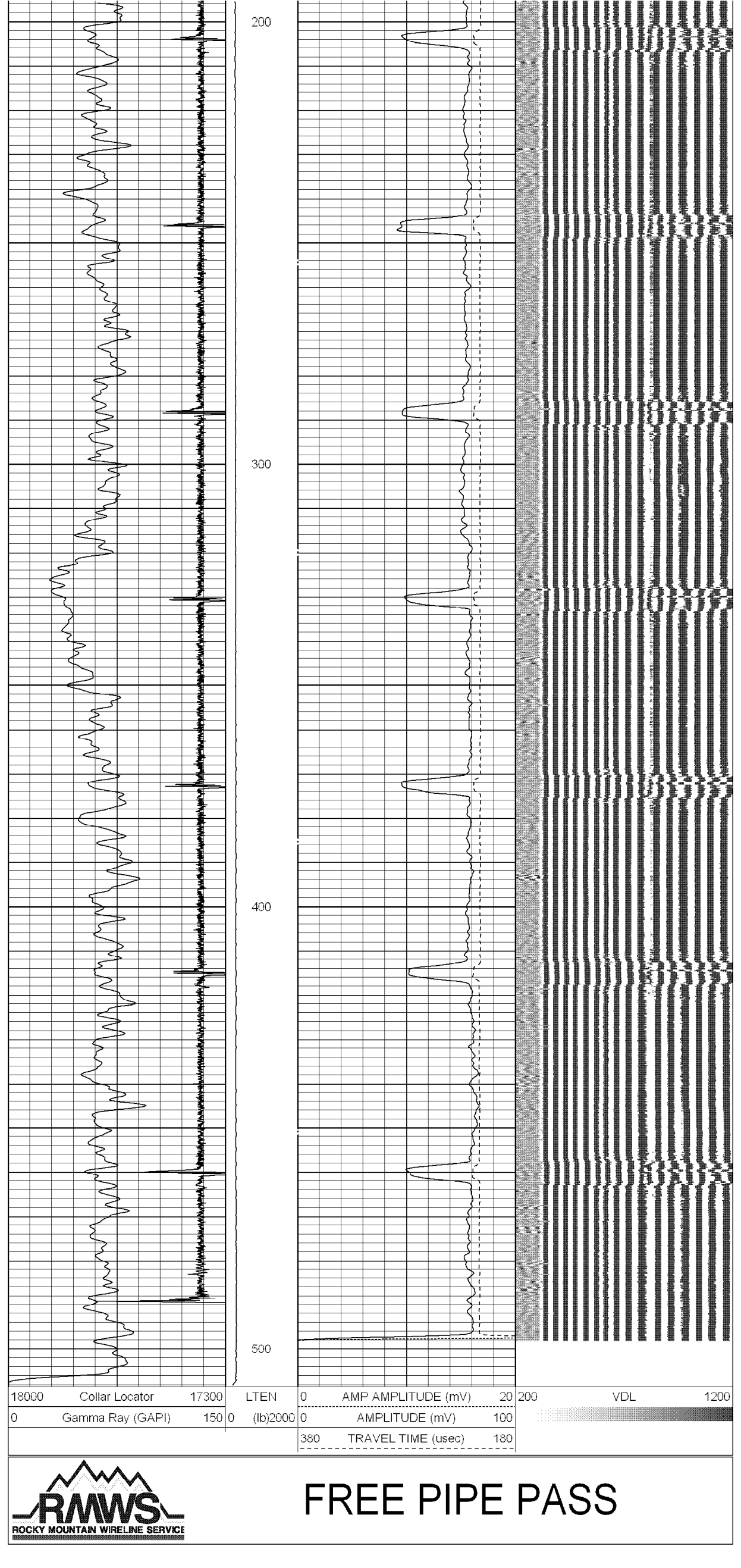
REPEAT PASS

ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File: e:\barrett\090810bbc_federal_41c_32_691.db
Dataset Pathname: FREE/pass1
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 09:34:27 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			

ROCKY MOUNTAIN WIRELINE SERVICE

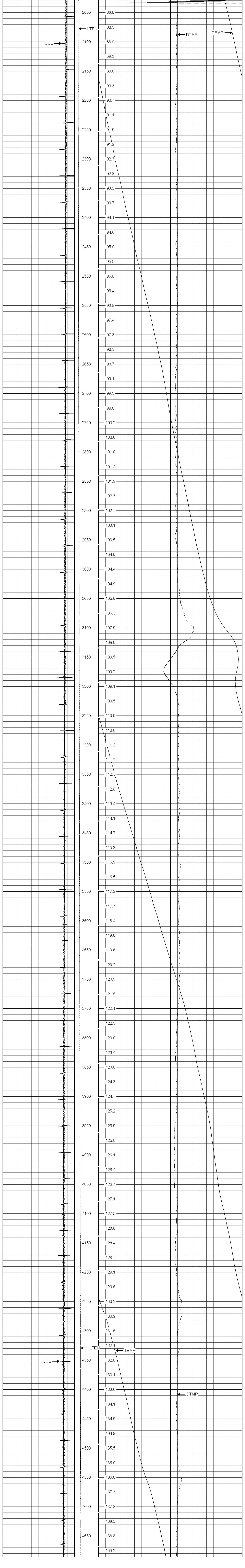
FREE PIPE PASS

ROCKY MOUNTAIN WIRELINE SERVICE

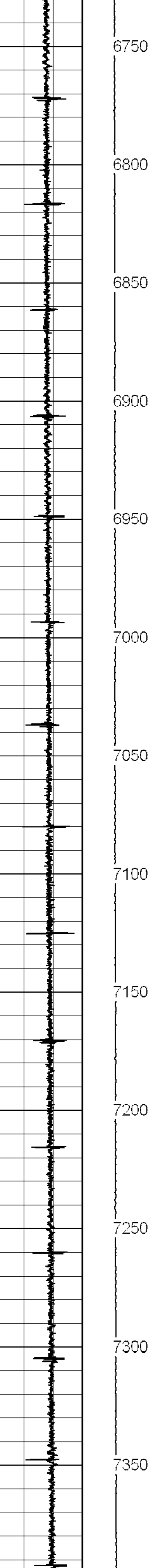
TEMP PASS

Database File: e:\barrett\090810bbc_federal_41c_32_691.db
Dataset Pathname: TEMP/pass1
Presentation Format: rmws_temp
Dataset Creation: Wed Sep 08 09:58:36 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	0.37		PRT-016 (216611) Platinum Resistance Thermometer	1.04	1.69	6.00
TSTAMP ITEMPX HVOLTX	0.00 0.00 0.00		BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	090810bbc_federal_41c_32_691.db: field/well/MAIN/pass2
Total Length:	22.36 ft
Total Weight:	200.20 lb
O.D.	3.13 in

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