ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	MILLER FEDERAL 24D - 31 - 691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO
API #:	05 - 045 - 18660
Location:	SHL: 0002' FNL & 2437' FEL BHL: 1140' FSL & 1998' FWL
Other Services	3.75" GAUGE RING
SEC	31
TWP	6S
RGE	91W
Permanent Datum	G.L.
Elevation	6266'
Log Measured From	K.B.
Ft Above PD	23'
Drilling Measured From	K.B.
Elevation	K.B. 6289' D.F. 6288' G.L. 6266'
Date	02 - 12 - 2011
Run Number	ONE
Depth Driller	7626'
Present Depth Driller	NA
Depth Logger	7506'
Bottom Logged Interval	7505'
Top Log Interval	1900'
Fluid Level	SURFACE
Type Fluid	WATER
Max. Recorded Temp.	205° F
Estimated Cement Top	2580'
Equipment Number	208
Location	GRAND JCT.
Recorded By	INGRAM
Witnessed By	MR LAFFERTY

Run Number	Borehole Record			Casing Record			
	Bit	From	To	Size	Weight	From	To
ONE	8.750"	768'	4246'	9.625"	36#	SURFACE	768'
TWO	7.880"	4246'	7626'	4.5"	11.6#	SURFACE	7626'

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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: LOG WAS DEPTH CORRELATED USING WEATHERFORD OPEN HOLE LOG DATED 12-12-10
SHORT JOINTS: 5069' TO 5096' & 6257' TO 6284'
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: 021210_barrett_miller_fed_24d_31.db
Dataset Pathname: main/merge1.1
Dataset Creation: Sun Feb 13 11:36:14 2011

Temperature Calibration Report

Serial Number: 217894
Tool Model: 016
Performed: Fri Oct 24 13:23:59 2008

Point #	Reading		Reference	
1	13298.00	cps	75.97	degF
2	17844.00	cps	104.32	degF
3	29434.00	cps	175.71	degF
4	41028.00	cps	246.70	degF
5	52674.00	cps	317.75	degF
6	58555.00	cps	353.61	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: AJD00094
Tool Model: 020
Performed: Sun Jun 13 13:33:21 1993

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1123
Tool Model: 004

Calibration Casing Diameter: 4.500 in
Calibration Depth: 431.992 ft

Master Calibration, performed Sat Feb 12 18:59:03 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.983	1.000	81.196	76.377	0.995
5FT	-0.001	0.972	1.000	81.196	76.694	0.994
S1	0.004	1.010	0.000	100.000	99.419	-0.421
S2	0.004	0.989	0.000	100.000	101.506	-0.366
S3	0.007	0.942	0.000	100.000	106.983	-0.772
S4	0.005	0.964	0.000	100.000	104.210	-0.509
S5	0.006	0.988	0.000	100.000	101.878	-0.654
S6	0.006	1.004	0.000	100.000	100.217	-0.609
S7	0.007	0.987	0.000	100.000	102.071	-0.746
S8	0.007	0.992	0.000	100.000	101.590	-0.738

Calibration Report

Serial Number: 1123
Tool Model: 004
Performed:

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

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MAIN PASS

Database File: 021210_barrett_miller_fed_24d_31.db
Dataset Pathname: main/merge1.1
Presentation Format: rmws_dsc
Dataset Creation: Sun Feb 13 11:36:14 2011
Charted by: Depth in Feet scaled 1:240

15500 CCL 19500	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb) 3000	0 AMP (mV) 100	
		380 TT (usec) 180	

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MAIN PASS

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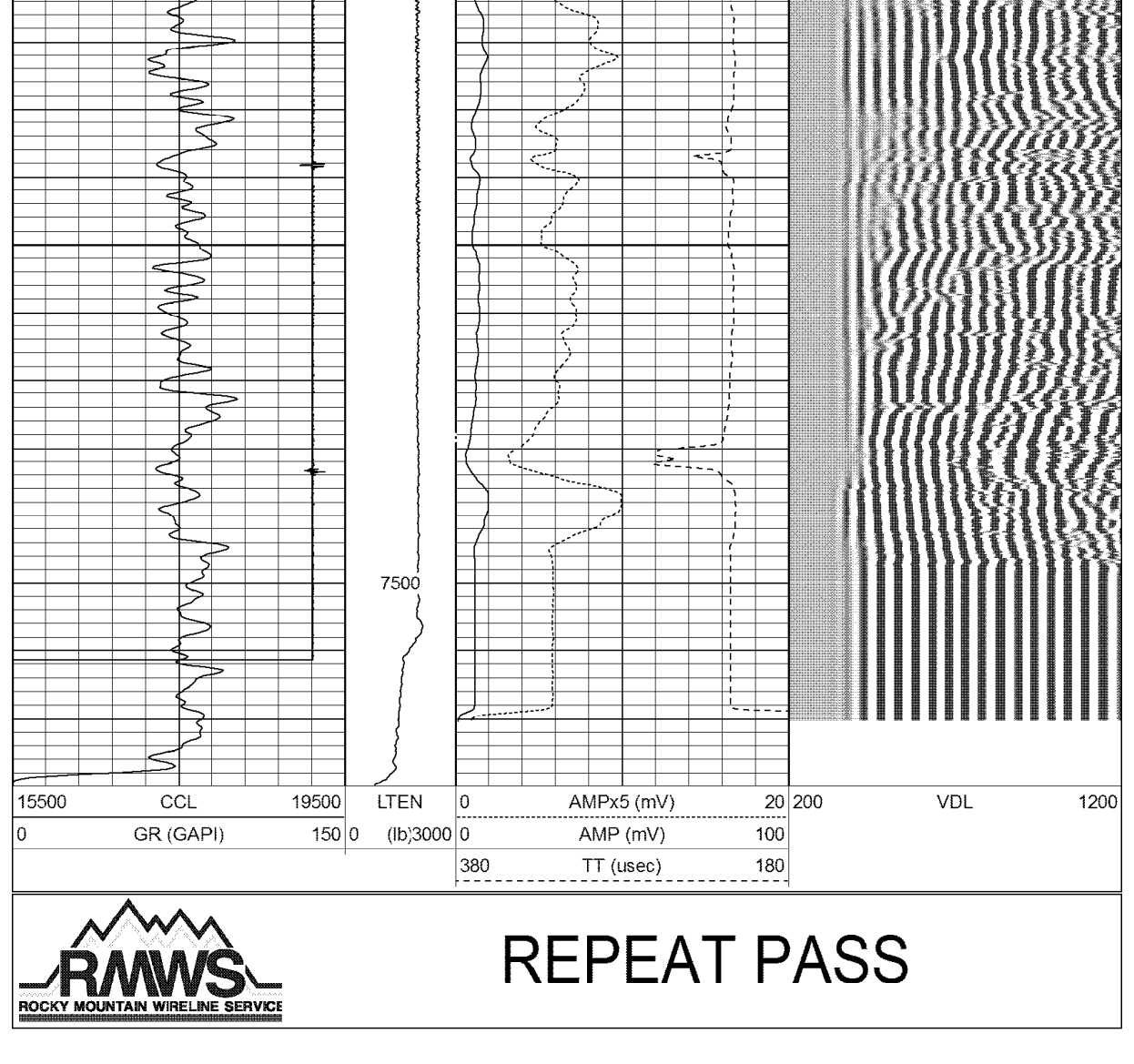
REPEAT PASS

Database File:	021210_barrett_miller_fed_24d_31.db
Dataset Pathname:	repeat/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Sun Feb 13 11:21:04 2011 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240



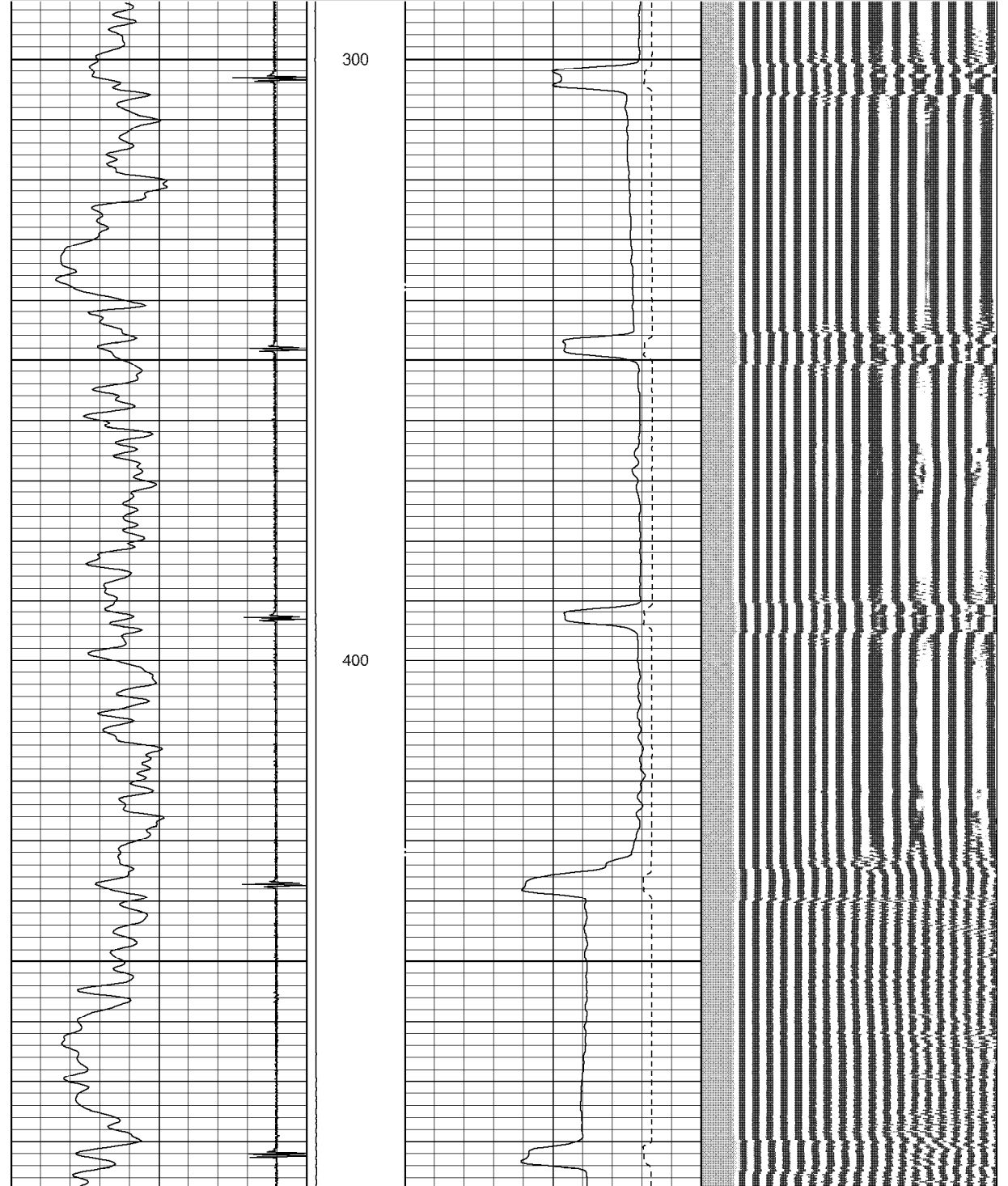
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File:	021210_barrett_miller_fed_24d_31.db
Dataset Pathname:	freepipe/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Sun Feb 13 10:32:01 2011 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240



ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

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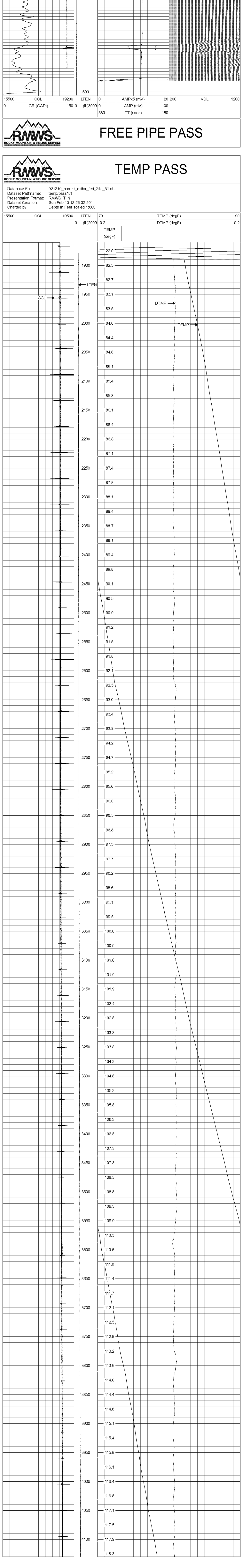
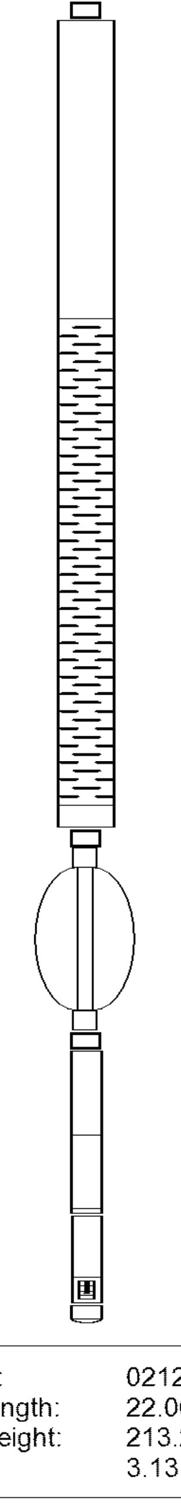
TEMP PASS

Database File:	021210_barrett_miller_fed_24d_31.db
Dataset Pathname:	temp/pass1.1
Presentation Format:	RMWS_T~1
Dataset Creation:	Sun Feb 13 12:28:33 2011
Charted by:	Depth in Feet scaled 1:600



ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS



Sensor	Offset (ft)	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	18.34	CCL-028 (1036) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
		SONDEX/GO SONDEX/GO	0.21	1.69	0.50
		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
		SONDEX/GO SONDEX/GO	0.21	1.69	0.50
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	10.90 10.90 10.90 10.90 10.90 10.90 10.90 10.90 10.90 10.90 10.90 9.90	RBT-004 (1123) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
		SONDEX/GO SONDEX/GO	0.21	1.69	0.50
		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
		SONDEX/GO SONDEX/GO	0.21	1.69	0.50
GR	1.76	PGR-020 (AJD00094) Production Gamma Ray	1.93	1.69	9.50
TEMP TSTAMP	0.37 0.00	PRT-016 (217894) 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: 021210_barrett_miller_fed_24d_31.db: field/well/main/merge1.1
Total Length: 22.06 ft
Total Weight: 213.20 lb
O.D. 3.13 in

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Well	MILLER FEDERAL 24D - 31 - 691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO