ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMARAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 22D-33-691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO
API #:	05-045-18994
Location:	SHL: 2065' FNL & 0108' FWL BHL: 1475' FNL & 2000' FWL
	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	05-12-2010
Run Number	ONE
Depth Driller	8081'
Present Depth Driller	8018'
Depth Logger	8018'
Bottom Logged Interval	8017'
Top Log Interval	2000'
Fluid Level	80'
Type Fluid	WATER
Max. Recorded Temp.	217.7 DEG F.
Estimated Cement Top	3700'
Equipment Number	216
Location	GRAND JCT.
Recorded By	HARRIS
Witnessed By	MR.BEAUXIS

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.75"	839'	5568'	9.625"	36#	SURFACE	839'
TWO	7.88"	5568'	8081'	4.5"	11.6#	SURFACE	8081'

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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 TO THE WEATHERFORD OH LOG DATED 05-27-10
SHORT JOINTS ARE AT 5490' TO 5519' AND 6853' TO 6870'
MAIN PASS 5" = 100'
TEMP PASS 5" = 100'
CSG PSI = STATIC

Calibration Report

Database File: C:\Warrior\Data\BILL_BARRETT_CORPORATION\CBL\FEDERAL\22D\061210_barrett_federal_22d-33-691.db
Dataset Pathname: FREE/pass1
Dataset Creation: Sat Jun 12 20:19:38 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:	AJD00166	
Tool Model:	020	
Performed:	Sat Jun 12 15:13:45 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:	1123	
Tool Model:	004	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	203.079	ft

Master Calibration, performed Sat Jun 12 17:43:39 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.007	0.853	0.000	81.196	95.966	1.500
5FT	-0.001	0.915	0.000	81.196	88.648	0.088
S1	0.021	0.892	0.000	100.000	114.786	-2.367
S2	0.011	0.869	0.000	100.000	116.544	-1.280
S3	0.015	0.841	0.000	100.000	121.083	-1.833
S4	0.011	0.861	0.000	100.000	117.707	-1.290
S5	0.017	0.868	0.000	100.000	117.541	-2.049
S6	0.008	0.875	0.000	100.000	115.345	-0.939
S7	0.012	0.854	0.000	100.000	118.756	-1.454
S8	0.017	0.856	0.000	100.000	119.176	-1.976

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

ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\22d\061210_barrett_federal_22d-33-691.db
Dataset Pathname: MAIN/pass3
Presentation Format: rmws_dsc
Dataset Creation: Sun Jun 13 09:16:39 2010
Charted by: Depth in Feet scaled 1:240

220 Collar Locator 192	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

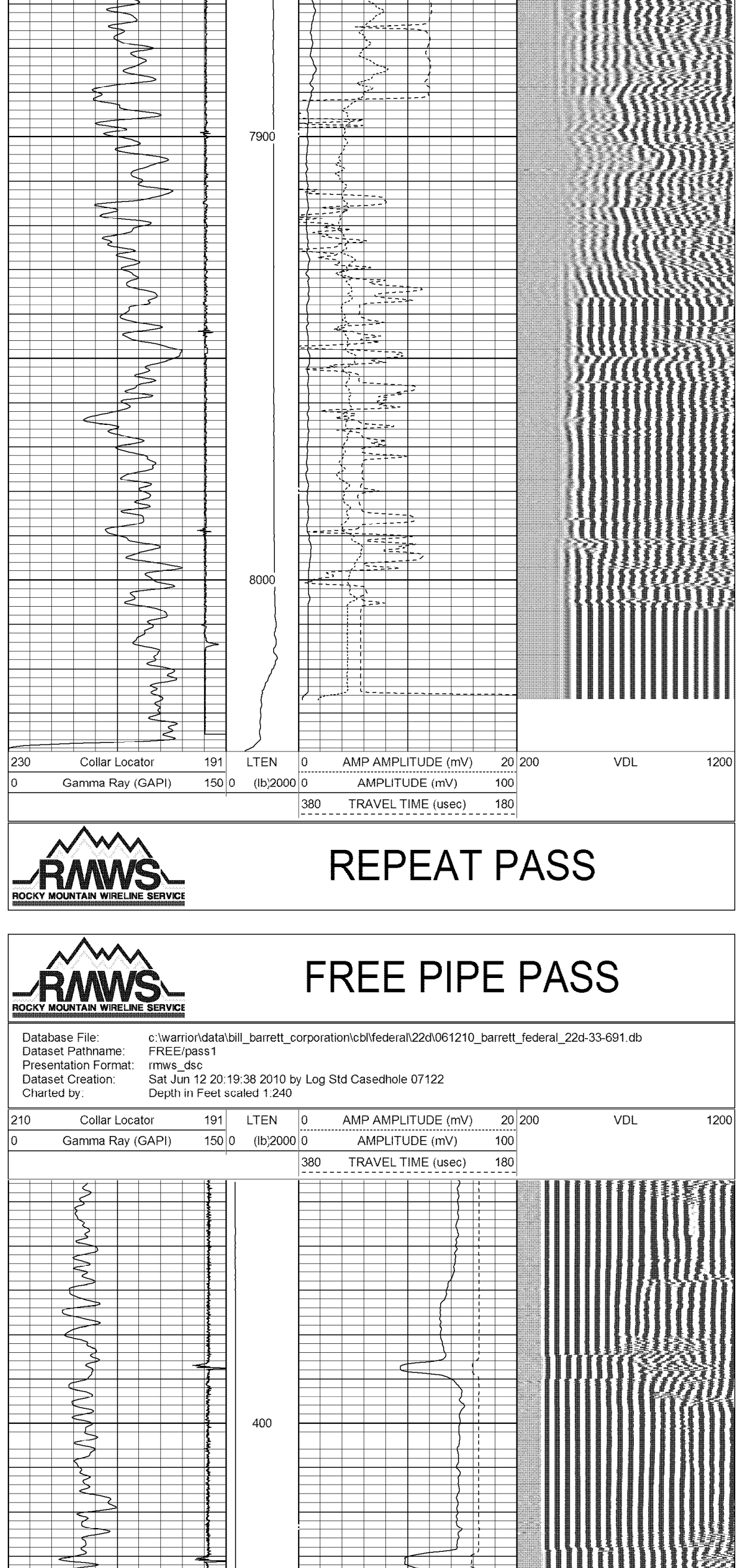
MAIN PASS

RMWS ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\22d\061210_barrett_federal_22d-33-691.db
Dataset Pathname: REPEAT/pass1
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 12 18:49:56 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

230 Collar Locator 191	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	



230 Collar Locator 191	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

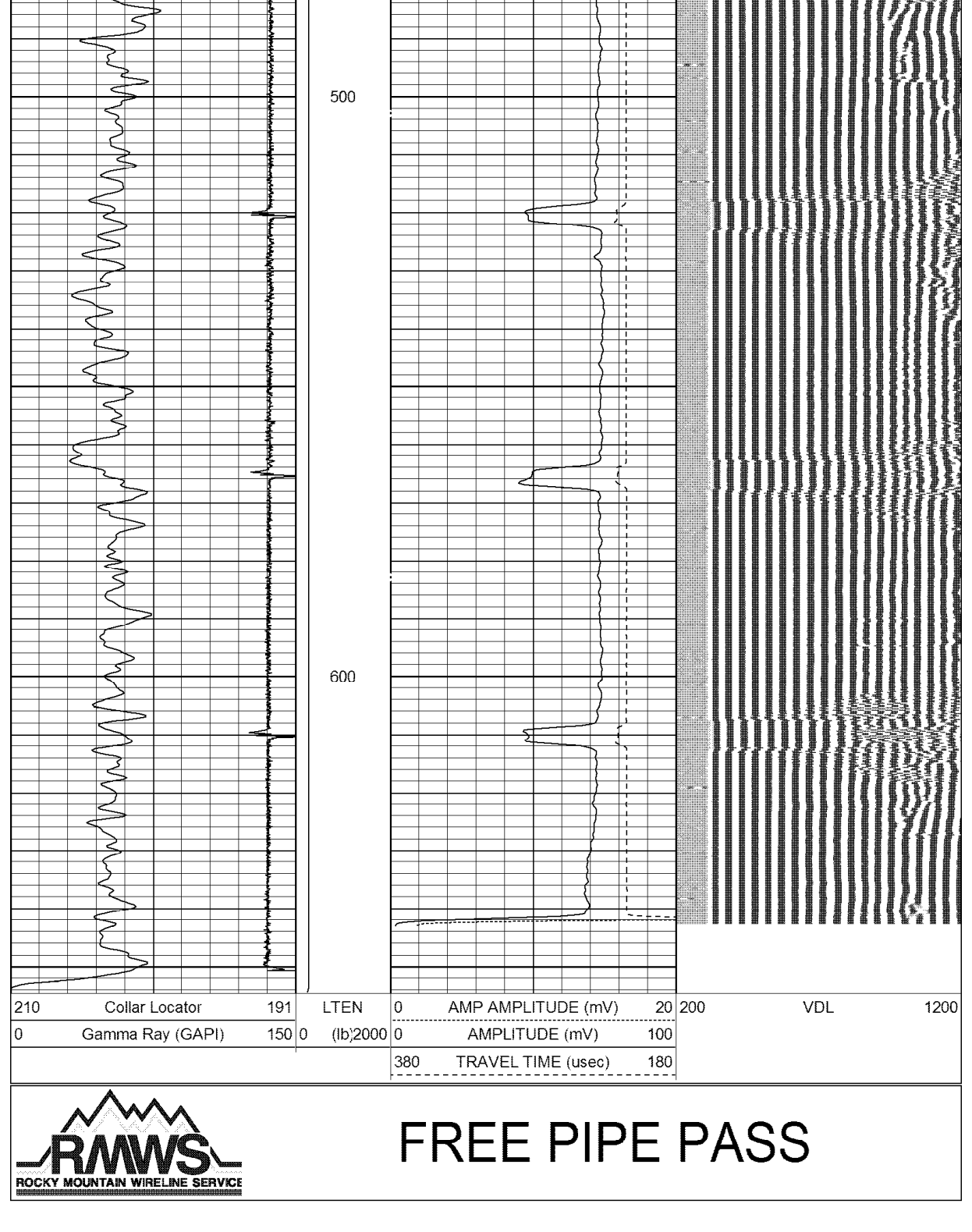
REPEAT PASS

RMWS ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\22d\061210_barrett_federal_22d-33-691.db
Dataset Pathname: FREE/pass1
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 12 20:19:38 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

210 Collar Locator 191	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	



210 Collar Locator 191	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

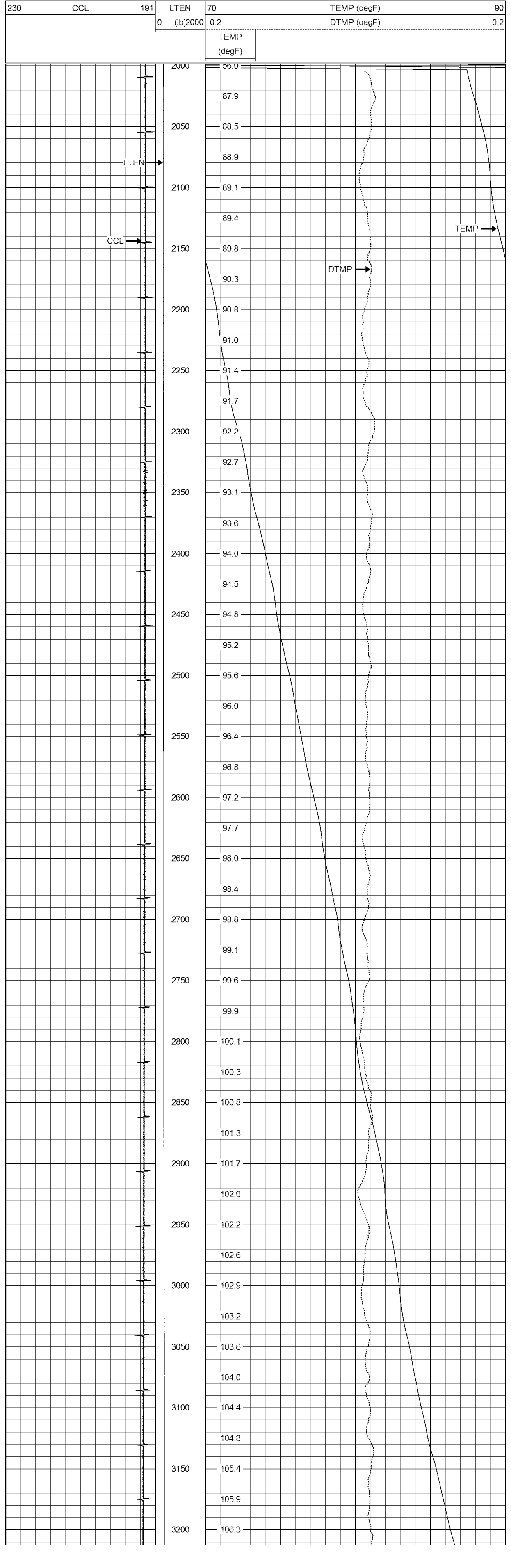
FREE PIPE PASS

RMWS ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

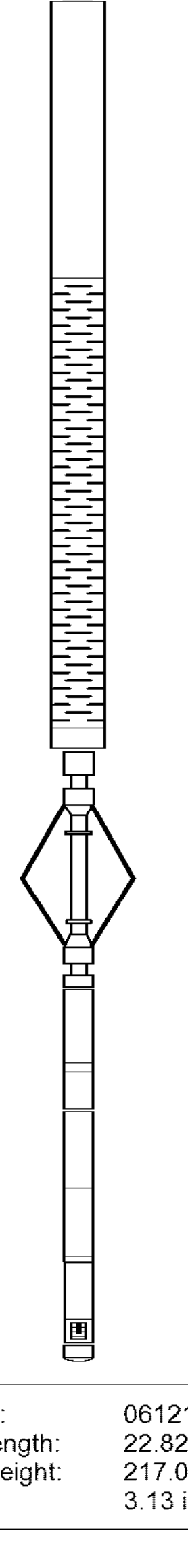
Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\22d\061210_barrett_federal_22d-33-691.db
Dataset Pathname: temp/pass1
Presentation Format: rmws_temp
Dataset Creation: Sat Jun 12 17:13:33 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:600

230 CCL 191	LTEN	70 TEMP (degF) 90
	0 (lb) 2000	-0.2 DTMP (degF) 0.2
		TEMP (degF)



ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX	3.00	2.38	21.40
			XTU-002 (217217) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	12.86 12.86 12.86 12.86 12.86 12.86 12.86 12.86 12.86 12.86 12.86 11.86		RBT-004 (1123) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX	3.00	2.38	21.40
CCL	3.73		CCL-000 (020941) Casing Collar Locator	1.54	1.69	9.00
GR	1.76		PGR-020 (AJD00166) 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: 061210_barrett_federal_22d-33-691.db: field/well/FREE/pass1
Total Length: 22.82 ft
Total Weight: 217.00 lb
O.D.: 3.13 in