CEMENT BOND LOG
GAMMARAY / CCL
TEMPERATURE

ROCKY MOUNTAIN WIRELINE SERVICE

Company BILL BARRETT CORPORATION
Well GGU FEDERAL 12C-33-691
Field GIBSON GULCH
County GARFIELD State COLORADO
Location: API # : 05-045-18989
SHL: 0122' FNL & 0664' FWL
BHL: 1825' FNL & 0664' FWL
SEC 33 TWP 6S RGE 91W

Other Services
GAUGE RING
3.75"

Permanent Datum	G.L.	Elevation	6374'	Elevation K.B. 6396' D.F. 6395' G.L. 6374'
Log Measured From	K.B.	Ft Above PD	22'	
Drilling Measured From	K.B.			

Date	05-12-2010	
Run Number	ONE	
Depth Driller	7659'	
Present Depth Driller	7580'	
Depth Logger	7580'	
Bottom Logged Interval	7579'	
Top Log Interval	4390'	
Fluid Level	80'	
Type Fluid	WATER	
Max. Recorded Temp.	214.7 DEG F.	
Estimated Cement Top	5400'	
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"	828'	5482'	9.625"	36#	SURFACE	828'
TWO	7.88"	5482'	7659'	4.5"	11.6#	SURFACE	7659'

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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 6-01-10
SHORT JOINTS ARE AT 4653' TO 4668' AND 5876' TO 5897' AND 6841' TO 6862'
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = 0

Calibration Report

Database File: C:\Warrior\Data\BILL_BARRETT_CORPORATION\CBL\FEDERAL\12C\061210_bbc_fed_12c.db
Dataset Pathname: main/pass4
Dataset Creation: Sat Jun 12 17:59:07 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:	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 17:27:16 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	1.005	0.000	81.196	80.799	-0.037
5FT	0.000	0.950	0.000	81.196	85.487	-0.033
S1	0.000	1.024	0.000	100.000	97.661	-0.048
S2	0.000	1.011	0.000	100.000	98.998	-0.045
S3	0.000	0.972	0.000	100.000	102.957	-0.044
S4	0.000	0.985	0.000	100.000	101.575	-0.044
S5	0.000	1.005	0.000	100.000	99.545	-0.047
S6	0.000	1.030	0.000	100.000	97.174	-0.049
S7	0.001	1.019	0.000	100.000	98.230	-0.051
S8	0.001	1.007	0.000	100.000	99.336	-0.051

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\12c\061210_bbc_fed_12c.db
Dataset Pathname: main/pass4
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 12 17:59:07 2010
Charted by: Depth in Feet scaled 1:240

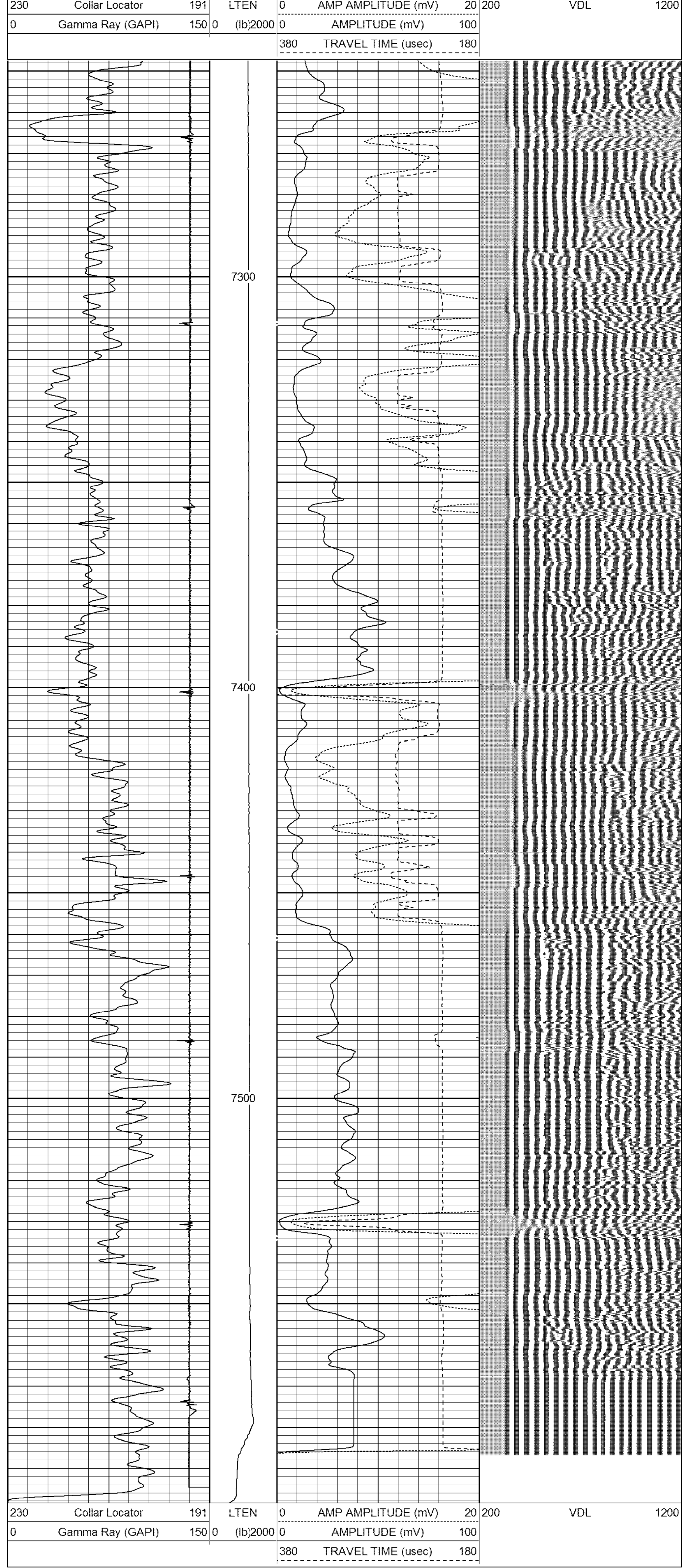
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\12c\061210_bbc_fed_12c.db
Dataset Pathname: repeat/pass1
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 12 15:27:06 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



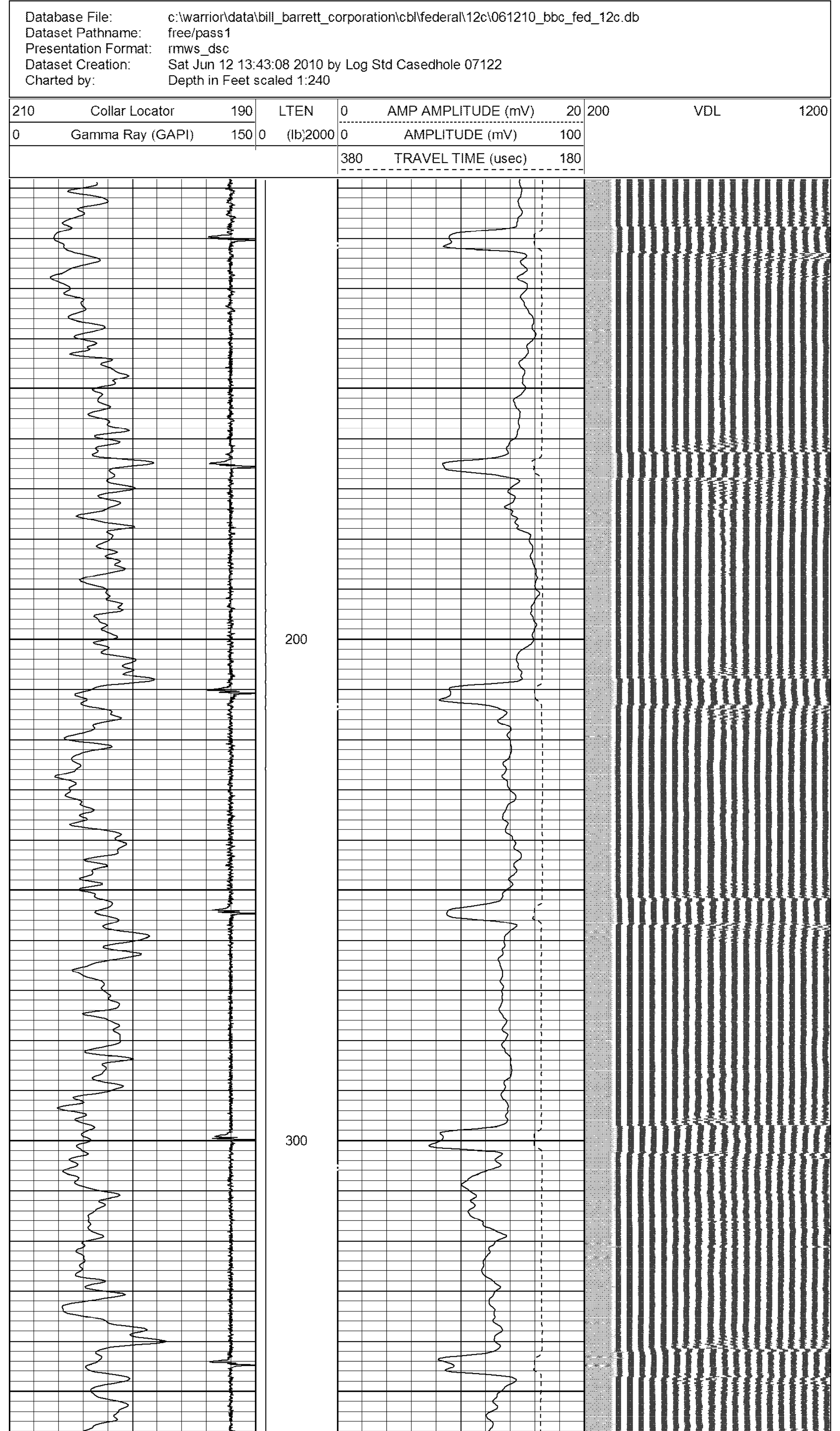
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PASS

Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\12c\061210_bbc_fed_12c.db
Dataset Pathname: free/pass1
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 12 13:43:08 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

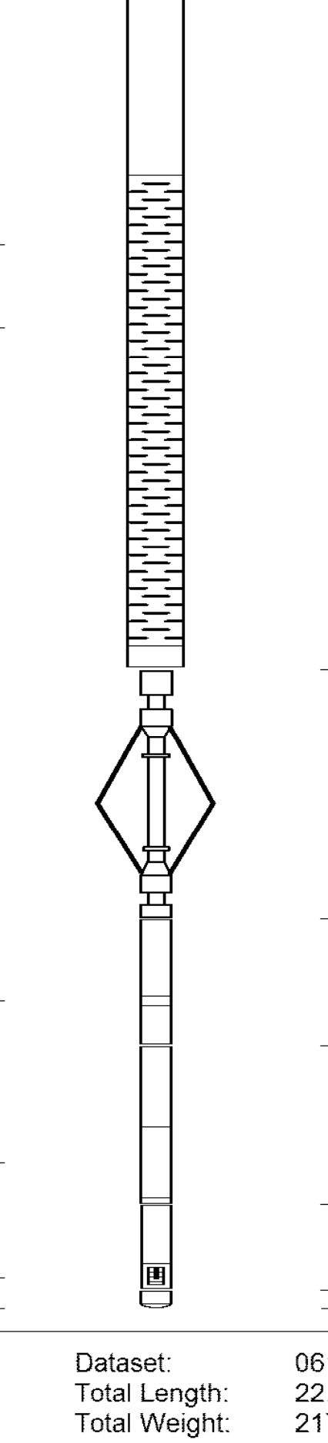
Database File: c:\warrior\data\bill_barrett_corporation\cbl\federal\12c\061210_bbc_fed_12c.db
Dataset Pathname: temp/pass1
Presentation Format: rmws_temp
Dataset Creation: Sat Jun 12 14:03:26 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:600

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

Sensor	Offset (ft)
WVF3FT	12.86
WVFS1	12.86
WVFS2	12.86
WVFS3	12.86
WVFS4	12.86
WVFS5	12.86
WVFS6	12.86
WVFS7	12.86
WVFS8	12.86
CBLTEMP	12.86
CBLROT	12.86
WVF5FT	11.86
CCL	3.73
GR	1.76
TEMP	0.37
TSTAMP	0.00
ITEMPX	0.00
HVOLTX	0.00

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
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-000 (020941) Casing Collar Locator	1.54	1.69	9.00
PGR-020 (AJD00166) Production Gamma Ray	1.93	1.69	9.50
PRT-016 (216611) Platinum Resistance Thermometer	1.04	1.69	6.00
BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset: 061210_bbc_fed_12c.db: field/well/main/pass4
Total Length: 22.82 ft
Total Weight: 217.00 lb
O.D.: 3.13 in