CEMENT BOND LOG
GAMMARAY / CCL
TEMPERATURE

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	BILL BARRETT CORPORATION		
Well	GGU FEDERAL 42C-29-691		
Field	GIBSON GULCH		
County	GARFIELD	State	COLORADO
Location:	API # : 05-045-19800 SHL: 1234' FNL & 1312' FEL BHL: 1800' FNL & 0664' FEL		Other Services 3.75" GAUGE RING
	SEC 29 TWP 6S RGE 91W		
Permanent Datum	G.L.	Elevation 6104'	Elevation K.B. 6127' D.F. 6126' G.L. 6104'
Log Measured From	K.B.	Ft Above PD 23'	
Drilling Measured From	K.B.		

Date	04-01-2011		
Run Number	ONE		
Depth Driller	7435'		
Present Depth Driller	7344'		
Depth Logger	7344'		
Bottom Logged Interval	7344'		
Top Log Interval	1600'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	210.1° F		
Estimated Cement Top	2400'		
Equipment Number	216		
Location	GRAND JCT.		
Recorded By	HARRIS		
Witnessed By	MR. ETTER		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.75"	844'	3900'	9.625"	36#	SURFACE	844'
TWO	7.88"	3900'	7435'	4.5"	11.6#	SURFACE	7435'

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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 1-31-2011
SHORT JOINTS AT 4542' - 4563' AND 6070' - 6092'
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = 0

Calibration Report

Database File: C:\Warrior\Data\MDP 11\040311_bbc_federal_42c.db
Dataset Pathname: FREE/pass3
Dataset Creation: Sun Apr 03 14:37:52 2011 by Calc Std Casedhole 07122

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: AJD00166
Tool Model: 020
Performed: Thu Jul 30 19:58:24 2009

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.2000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1122
Tool Model: 004

Calibration Casing Diameter: 4.500 in
Calibration Depth: 112.813 ft

Master Calibration, performed Sun Apr 03 14:37:38 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.028	0.821	0.000	81.196	95.591	2.678
5FT	-0.018	1.005	0.000	81.196	79.345	1.434
S1	-0.028	0.911	0.000	100.000	106.510	2.973
S2	-0.028	0.925	0.000	100.000	104.929	2.925
S3	-0.028	0.847	0.000	100.000	114.328	3.203
S4	-0.028	0.810	0.000	100.000	119.328	3.369
S5	-0.029	0.789	0.000	100.000	122.367	3.502
S6	-0.028	0.817	0.000	100.000	118.334	3.311
S7	-0.028	0.862	0.000	100.000	112.401	3.161
S8	-0.028	0.906	0.000	100.000	107.064	3.009

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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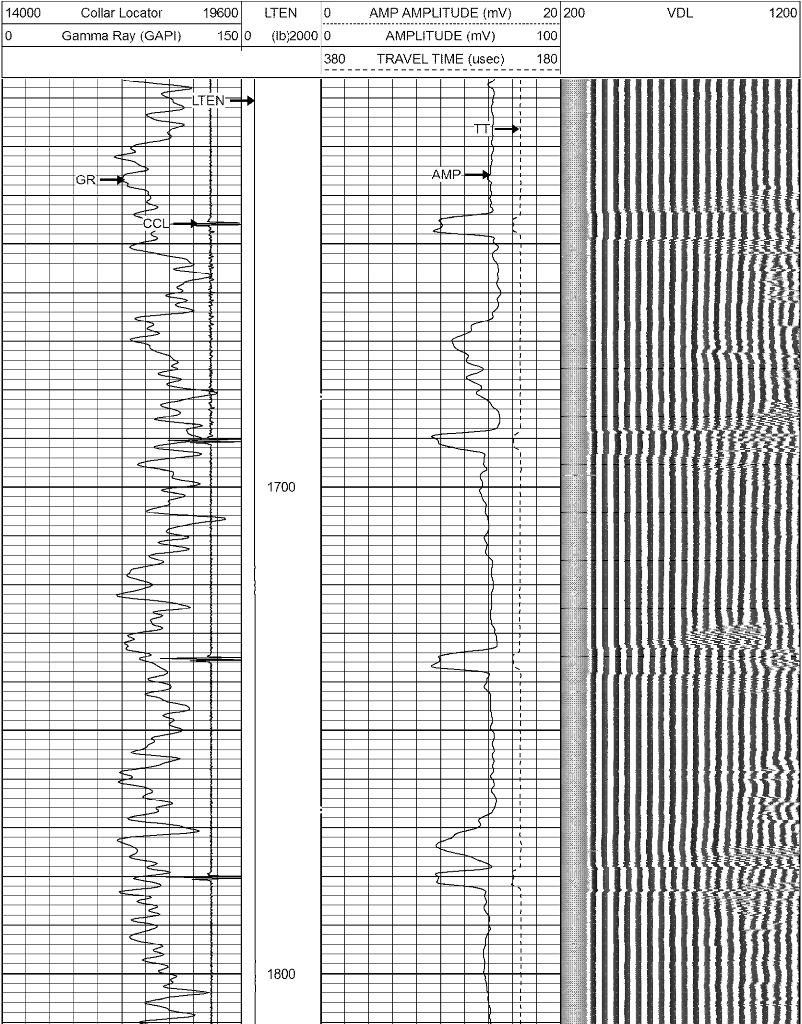
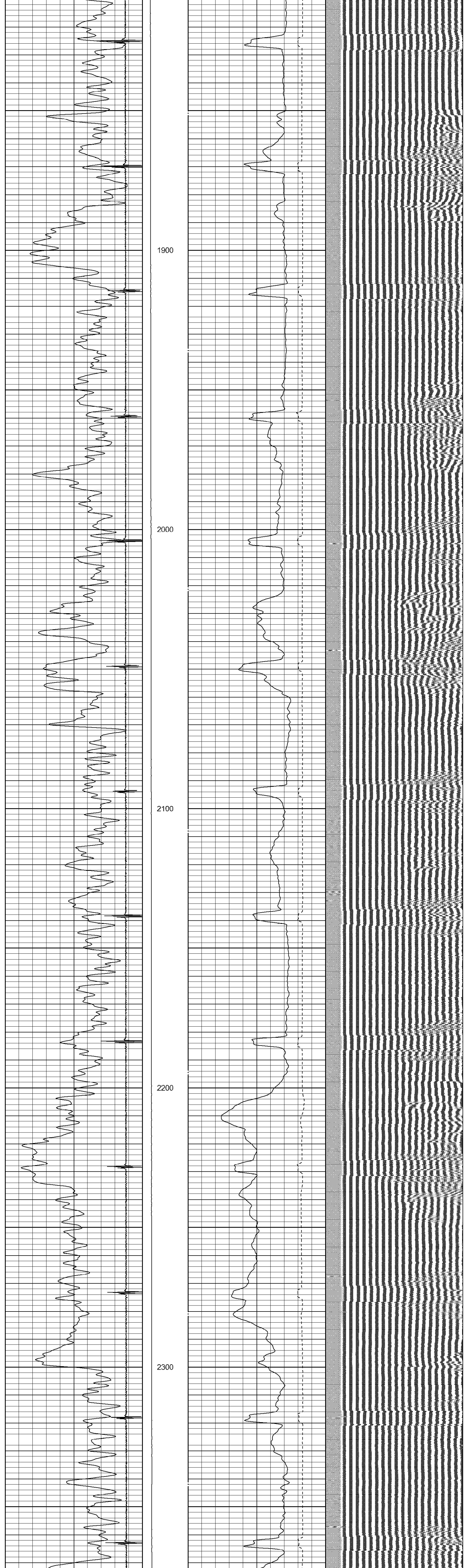
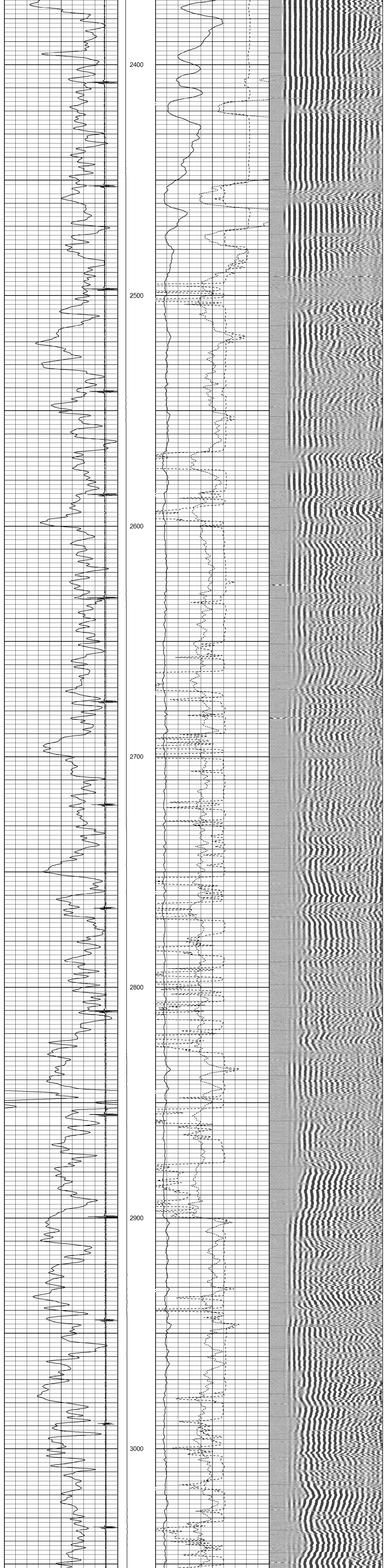
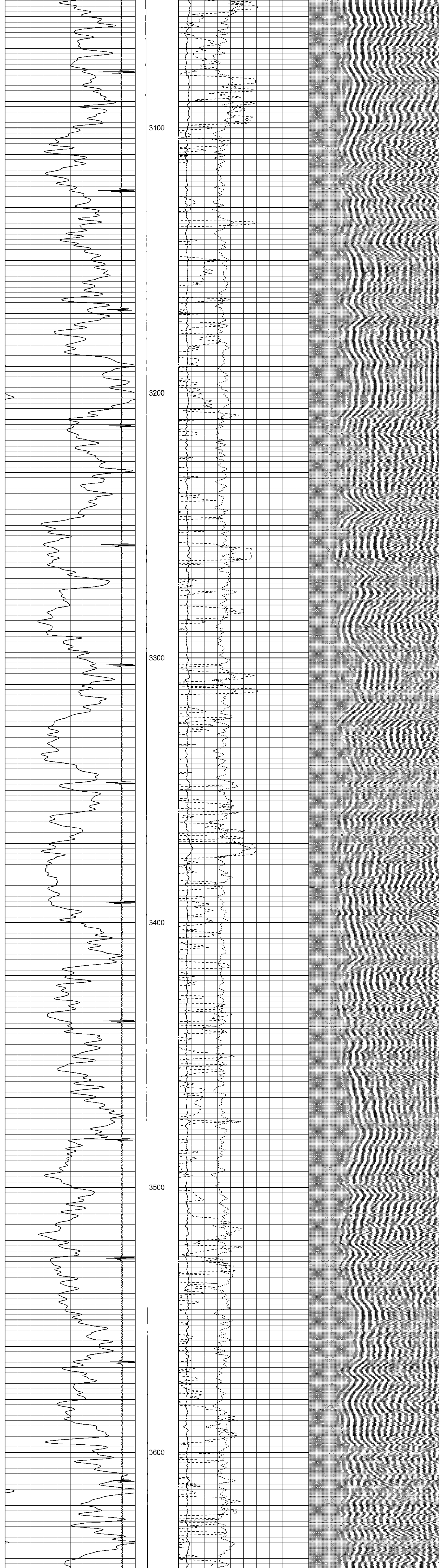
MAIN PASS

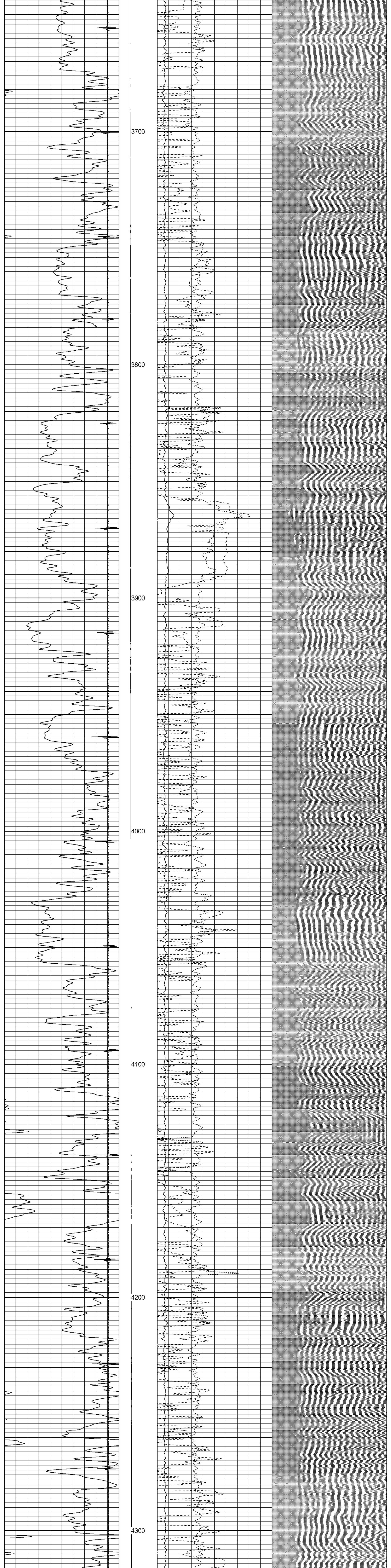
Database File: c:\warrior\data\mdp 11\040311_bbc_federal_42c.db
Dataset Pathname: MAIN/pass3
Presentation Format: rmws_dsc
Dataset Creation: Sun Apr 03 14:33:40 2011 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

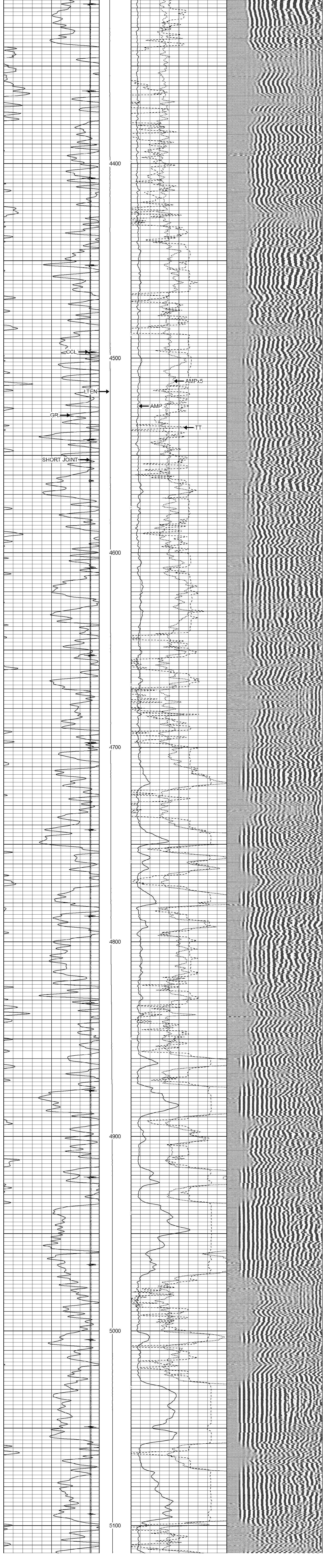


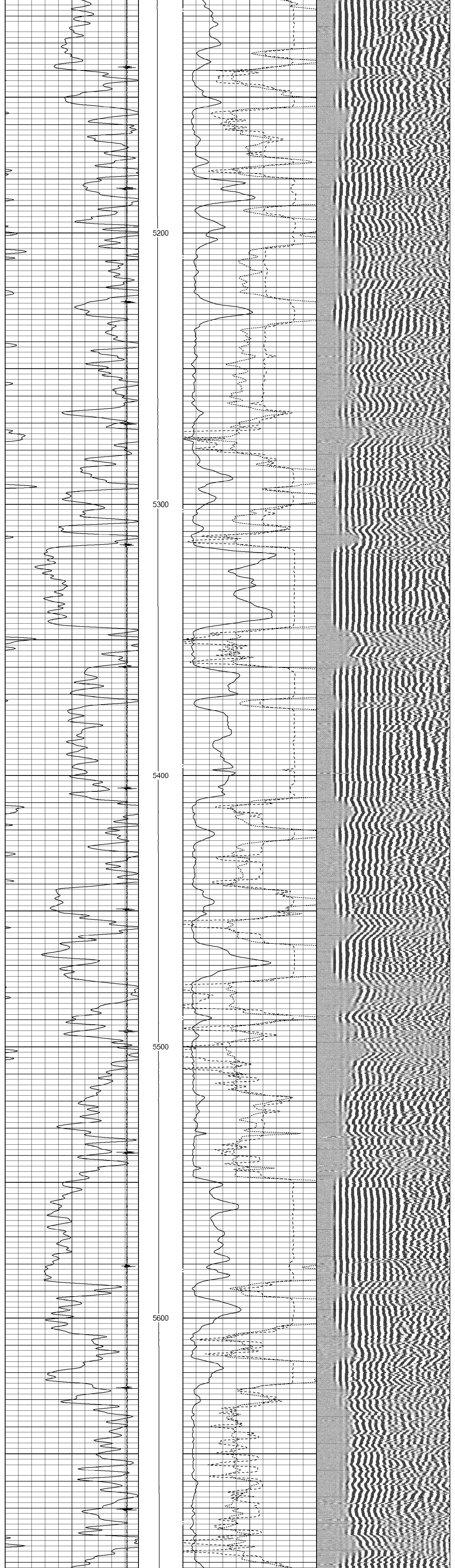


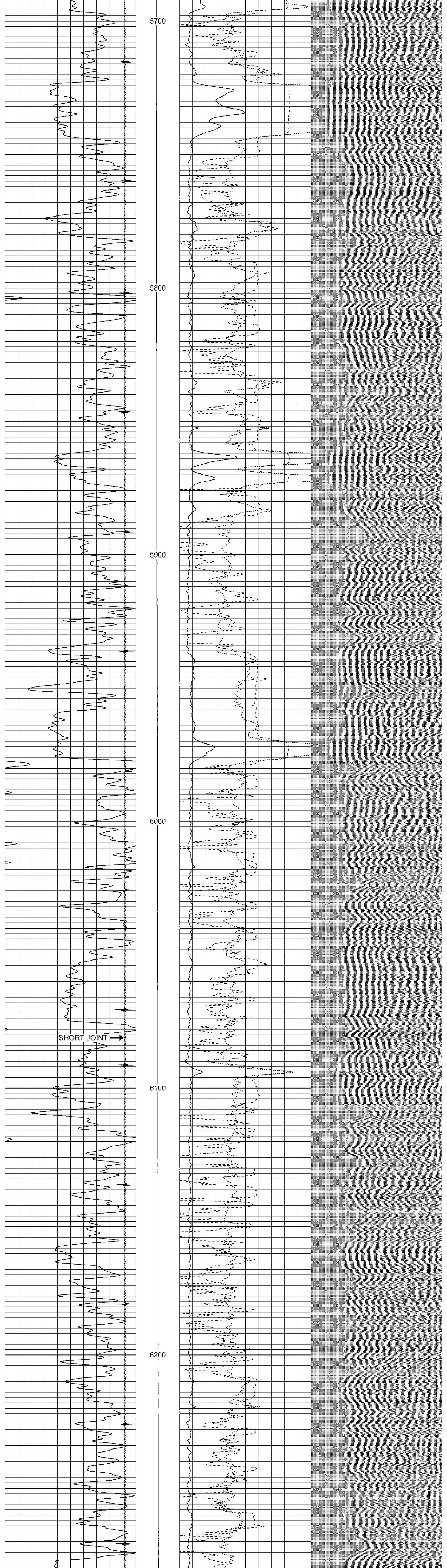


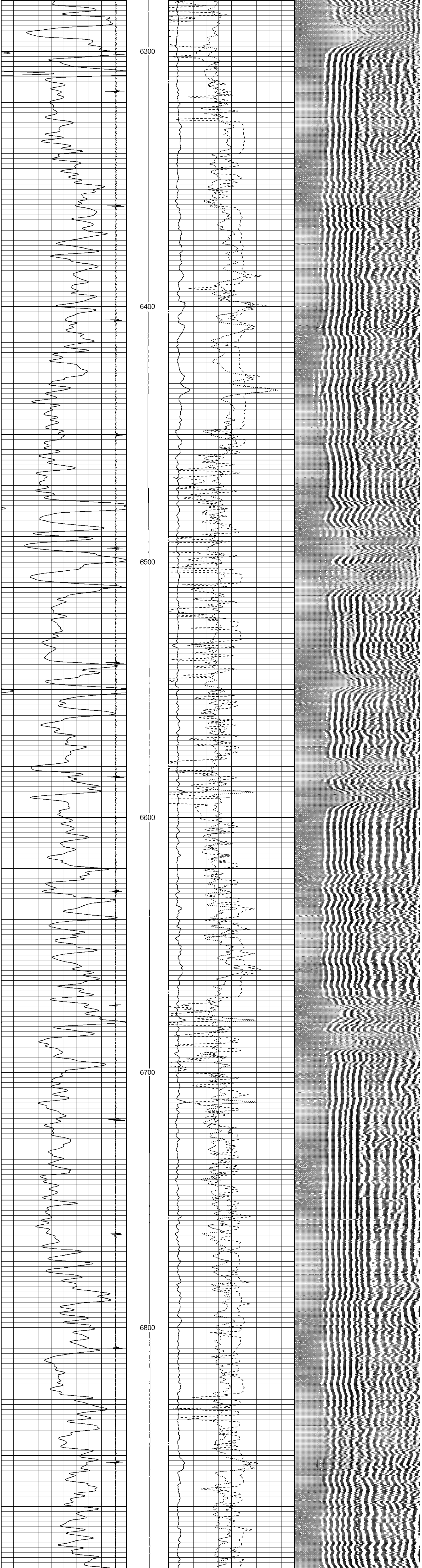


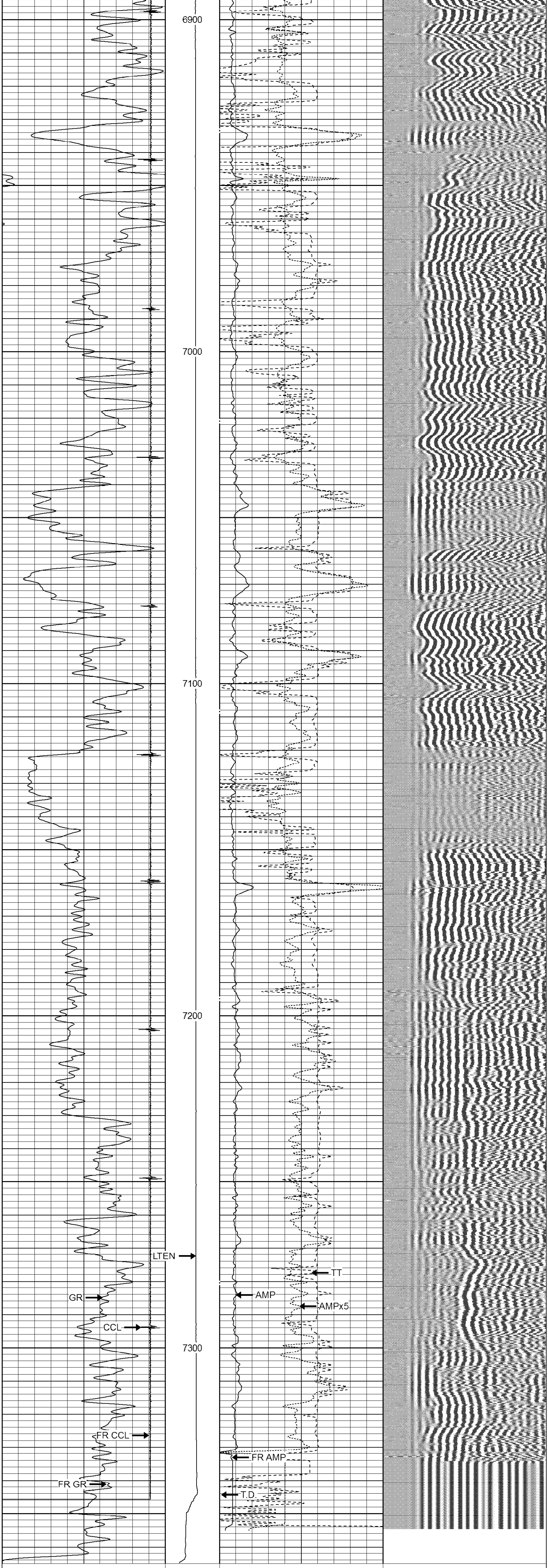












14000 Collar Locator 19600	LTEN	0 AMP AMPLITUDE (mV) 20	200 VDL 1200
0 Gamma Ray (GAPI) 150	0 (lb)2000	0 AMPLITUDE (mV) 100	
		380 TRAVEL TIME (usec) 180	

ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

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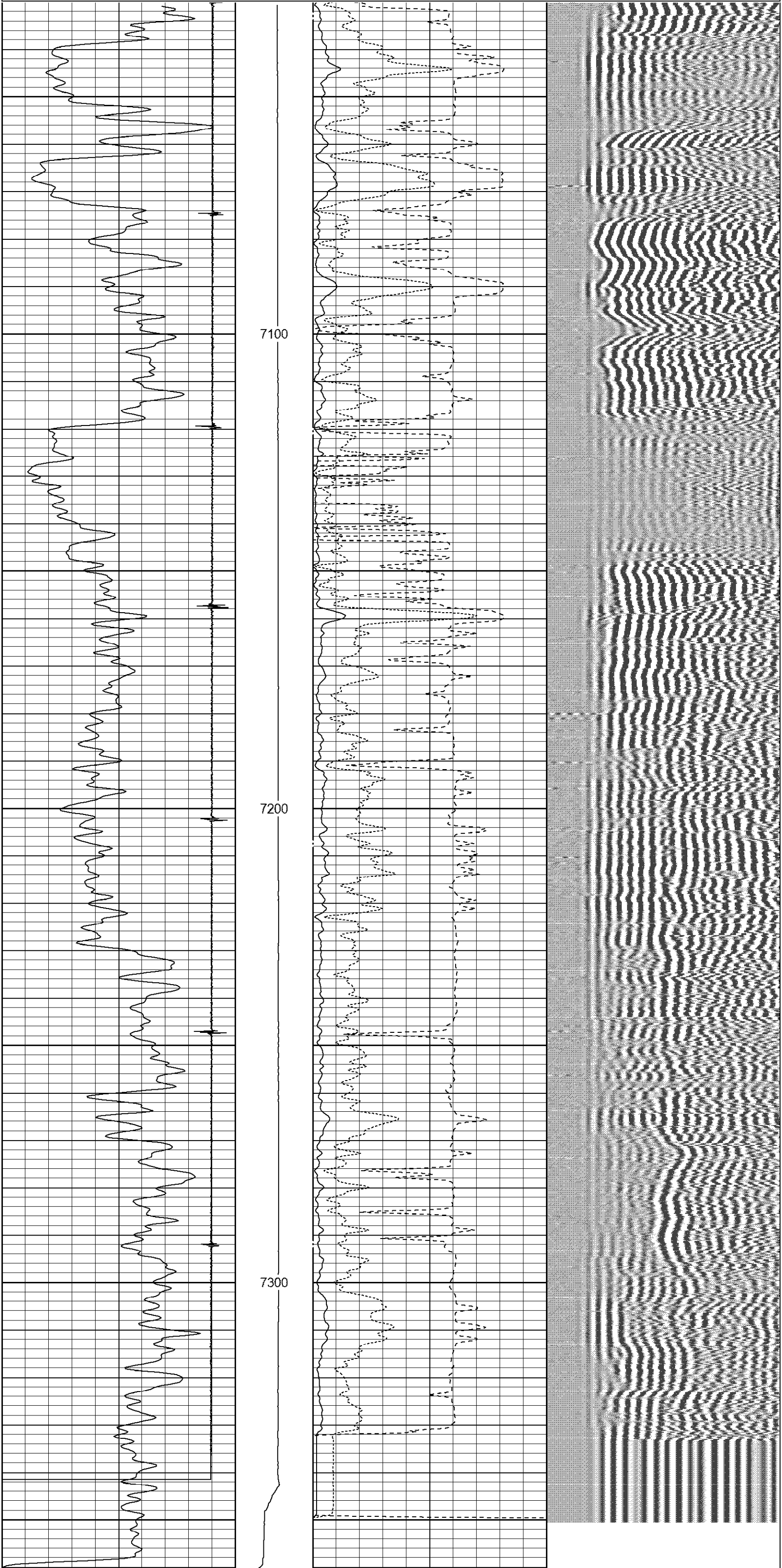
REPEAT PASS

Database File:	c:\warrior\data\mdp 11\040311_bbc_federal_42c.db
Dataset Pathname:	REPEAT/pass1
Presentation Format:	rmws_dsc
Dataset Creation:	Sun Apr 03 08:39:22 2011 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240

14000 Collar Locator 19600	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	



14000 Collar Locator 19600	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	

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REPEAT PASS

RMWS
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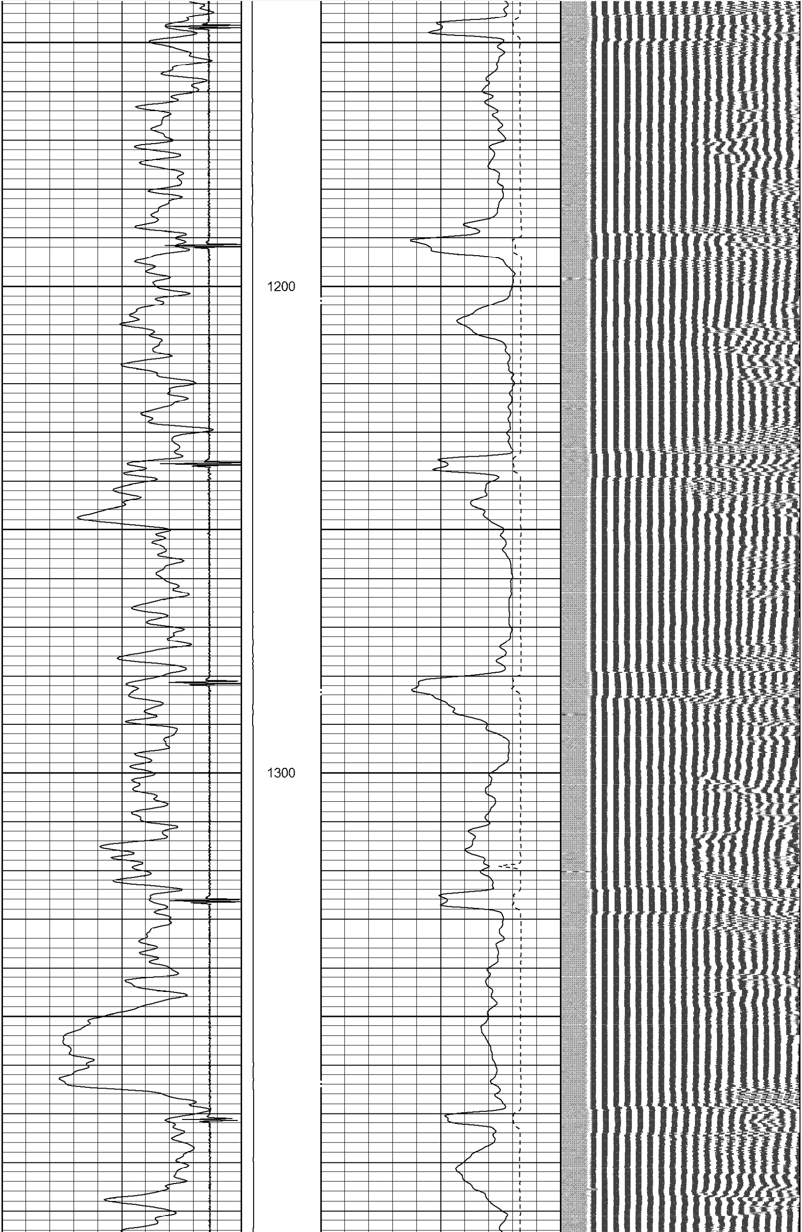
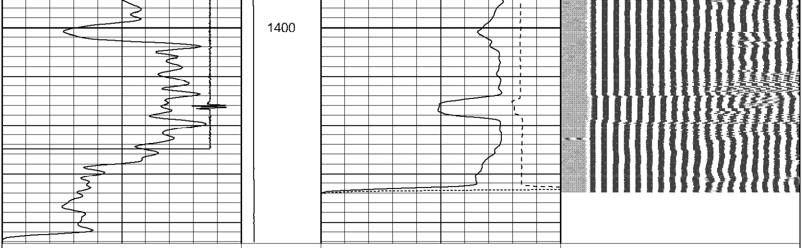
FREE PIPE PASS

Database File:	c:\warrior\data\mdp 11\040311_bbc_federal_42c.db
Dataset Pathname:	FREE/pass3
Presentation Format:	rmws_dsc
Dataset Creation:	Sun Apr 03 14:37:52 2011 by Calc Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240

14000 Collar Locator 19600	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	





14000 Collar Locator 19600	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

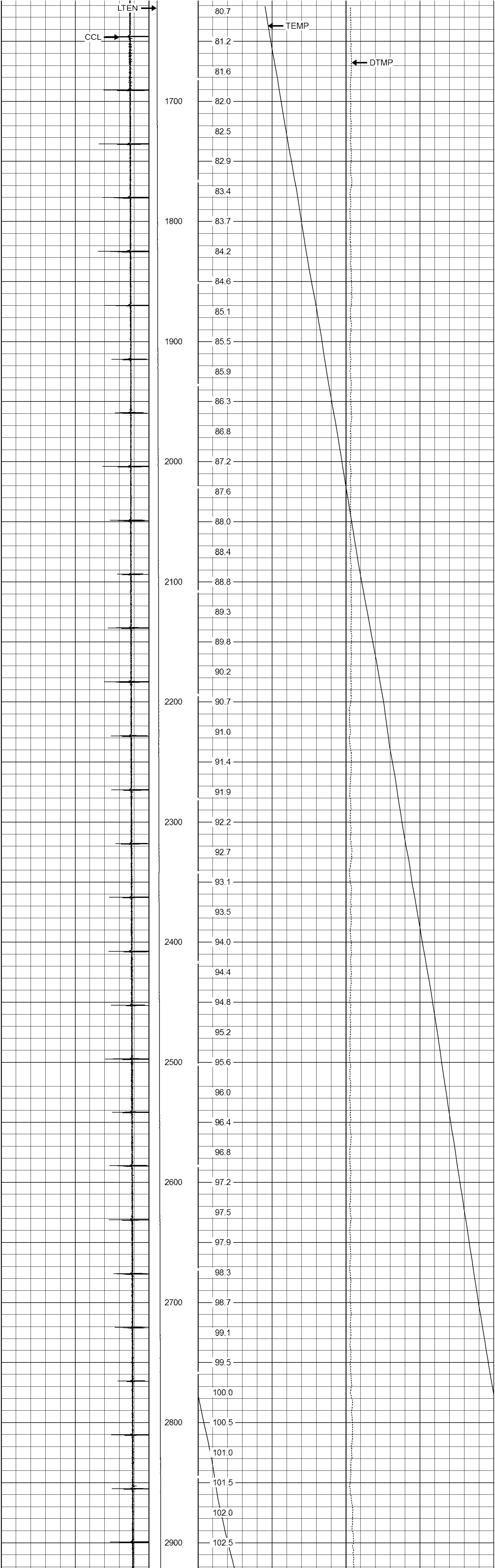
FREE PIPE PASS

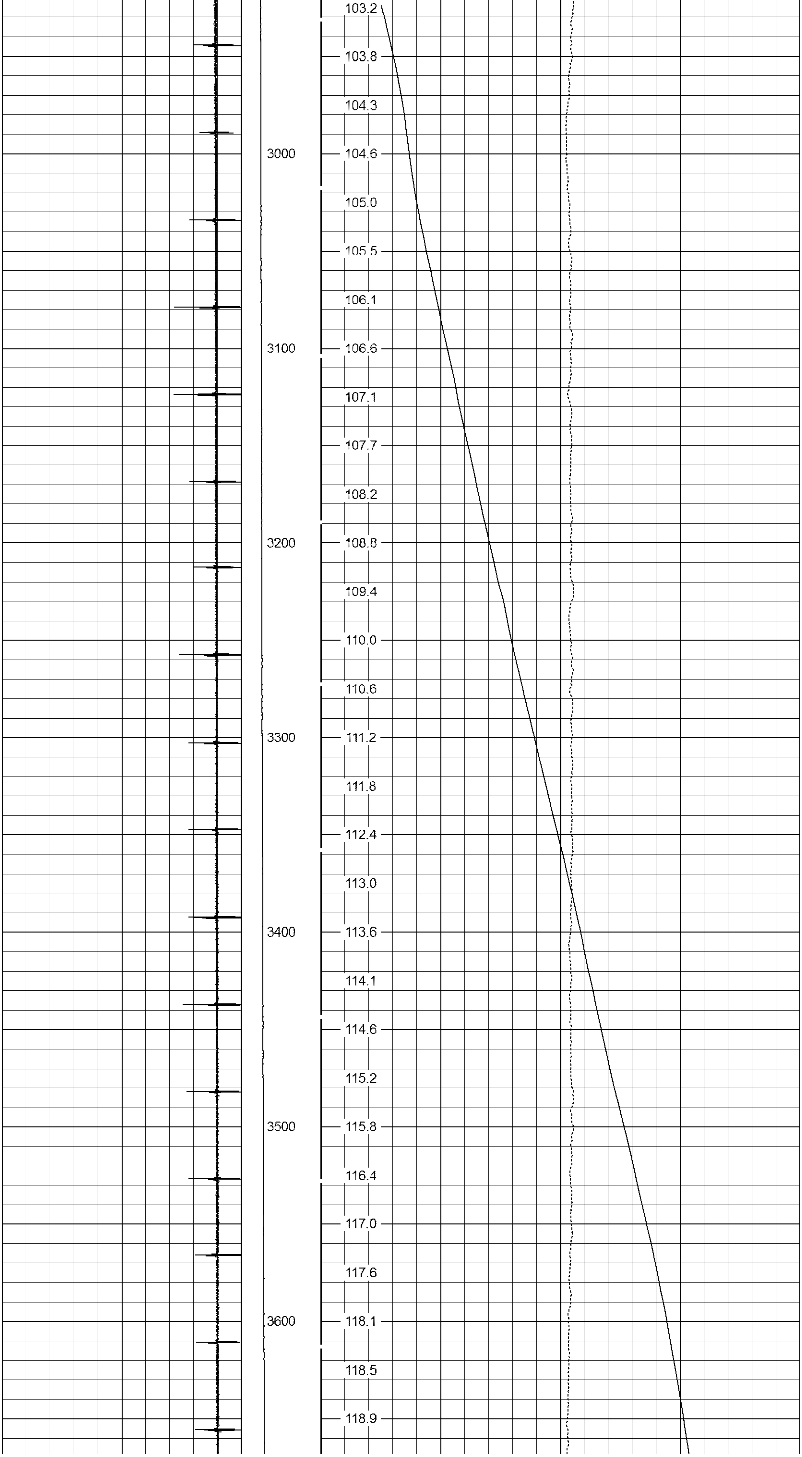
ROCKY MOUNTAIN WIRELINE SERVICE

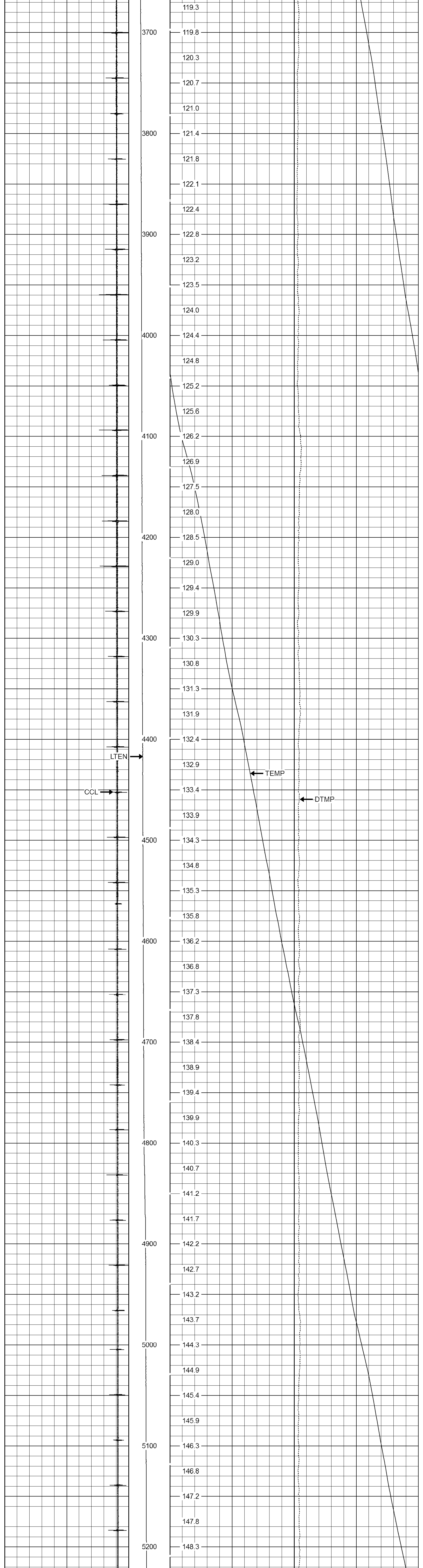
TEMP PASS

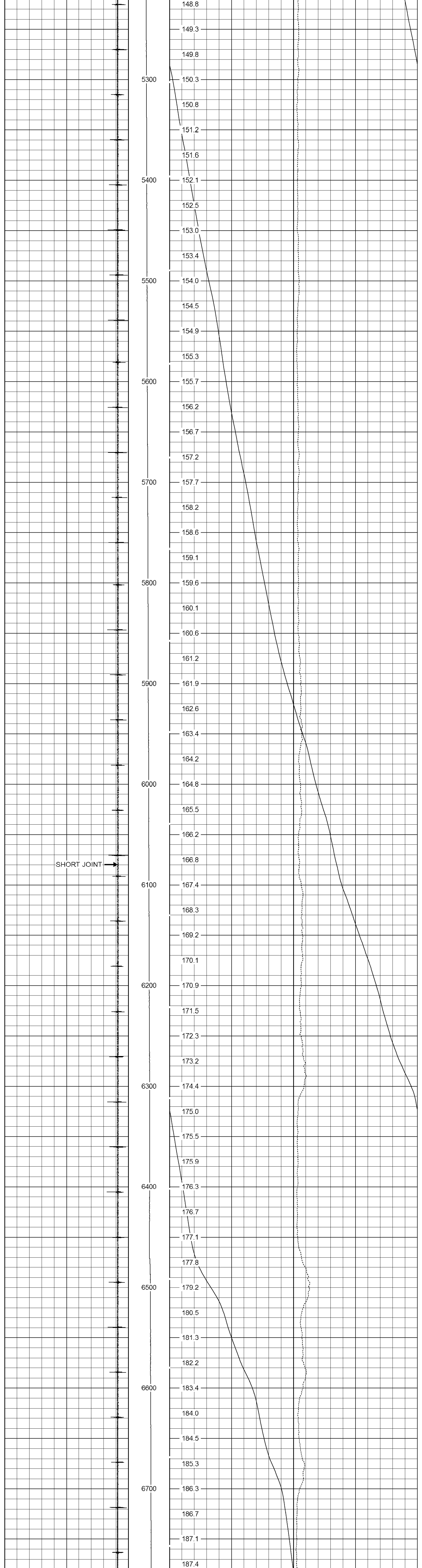
Database File: c:\warrior\data\mdp 11\040311_bbc_federal_42c.db
Dataset Pathname: MAIN/pass2.1
Presentation Format: rmws_tem
Dataset Creation: Sun Apr 03 14:31:48 2011 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:600

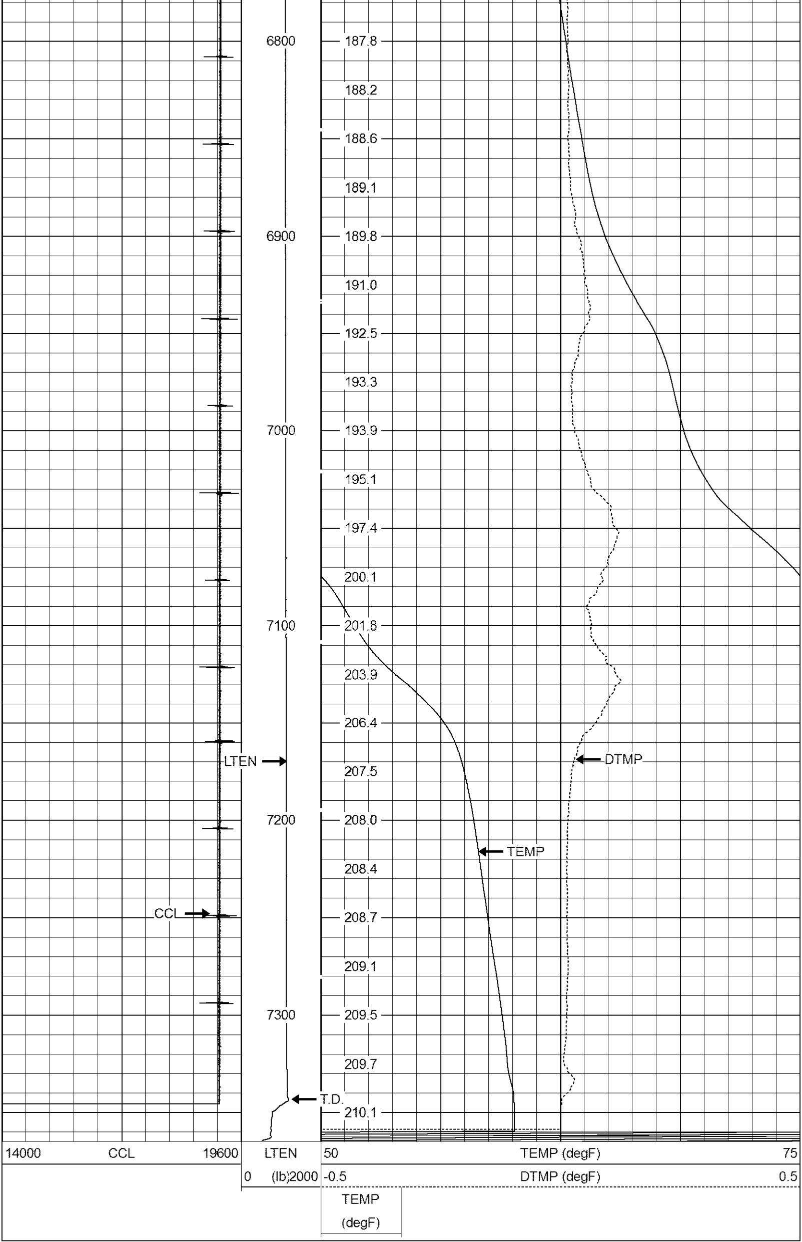
14000 CCL 19600	LTEN	50 TEMP (degF) 75
	0 (lb) 2000	-0.5 DTMP (degF) 0.5
		TEMP (degF)











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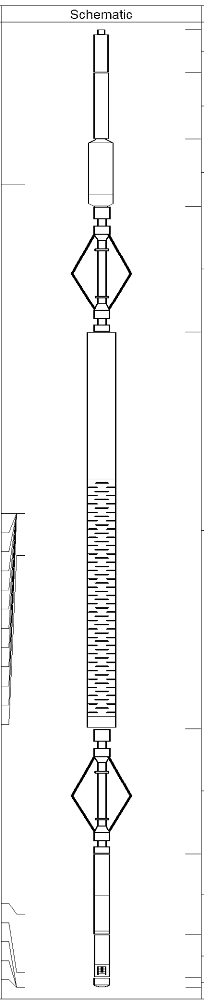
TEMP PASS

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (217217) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	19.17		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 10.32		RBT-004 (1122) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
GR	1.76		PGR-020 (AJD00166) Production Gamma Ray	1.93	1.69	9.50
TEMP	0.37		PRT-016 (217894) 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: 040311_bbc_federal_42c.db: field/well/FREE/pass3
Total Length: 22.90 ft
Total Weight: 244.00 lb
O.D. 3.13 in

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Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 42C-29-691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO