RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	**BILL BARRETT CORPORATION**
Well	**GGU FEDERAL 21C - 33 - 691**
Field	**GIBSON GULCH**
County	**GARFIELD** State **COLORADO**

Location: API # : 05 - 045 - 18885
SHL: 0410' FNL & 0268' FWL
BHL: 0531' FNL & 1990' FWL
SEC 33 TWP 6S RGE 91W

Other Services
3.75" GAUGE RING

Permanent Datum	G.L.	Elevation 6352'	Elevation K.B. 6375' D.F. 6374' G.L. 6352'
Log Measured From	K.B.	Ft Above PD 23'	
Drilling Measured From	K.B.		

Date	09 - 08 - 2010		
Run Number	ONE		
Depth Driller	7958'		
Present Depth Driller	NA		
Depth Logger	7886'		
Bottom Logged Interval	7884'		
Top Log Interval	2300'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	216.5° F		
Estimated Cement Top	2936'		
Equipment Number	208		
Location	GRAND JCT.		
Recorded By	INGRAM		
Witnessed By	MR. LAFFERTY		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	845'	4441'	9.625"	36#	SURFACE	845'
TWO	7.880"	4441'	7958'	4.5"	11.6#	SURFACE	7958'

<<< Fold Here >>>

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 WEATHER OPEN HOLE LOG DATED 8-6-10
SHORT JOINTS: 5555' TO 5576' & 6667' TO 6688'
MAIN PASS: 5" = 100'
TEMP PASS: 2" = 100'
CSG PSI = STATIC
NOTE: WEATHERFORD OPEN HOLE LOG ONLY LOGGED FROM 7428' UP, THE RMWS CBL AND WEATHERFORD TEMP/CCL LOG BOTH GOT DEEPER. RMWS T.D. IS SHOWING 7886'.

Calibration Report

Database File: 090810_barrett_ggu_fed_21c_33.db
Dataset Pathname: main/pass1.2
Dataset Creation: Thu Sep 09 11:15:30 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:	Tue Sep 07 12:24:25 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:	1916.608	ft

Master Calibration, performed Wed Sep 08 19:53:38 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.617	1.000	81.196	101.854	0.993
5FT	-0.001	0.748	1.000	81.196	82.233	0.993
S1	0.004	0.620	0.000	100.000	162.385	-0.688
S2	0.004	0.572	0.000	100.000	175.938	-0.634
S3	0.007	0.550	0.000	100.000	184.198	-1.329
S4	0.005	0.610	0.000	100.000	165.208	-0.807
S5	0.006	0.674	0.000	100.000	149.689	-0.961
S6	0.006	0.715	0.000	100.000	141.001	-0.857
S7	0.007	0.701	0.000	100.000	144.172	-1.054
S8	0.007	0.653	0.000	100.000	154.891	-1.125

Calibration Report

Serial Number: 1123
Tool Model: 004
Performed:

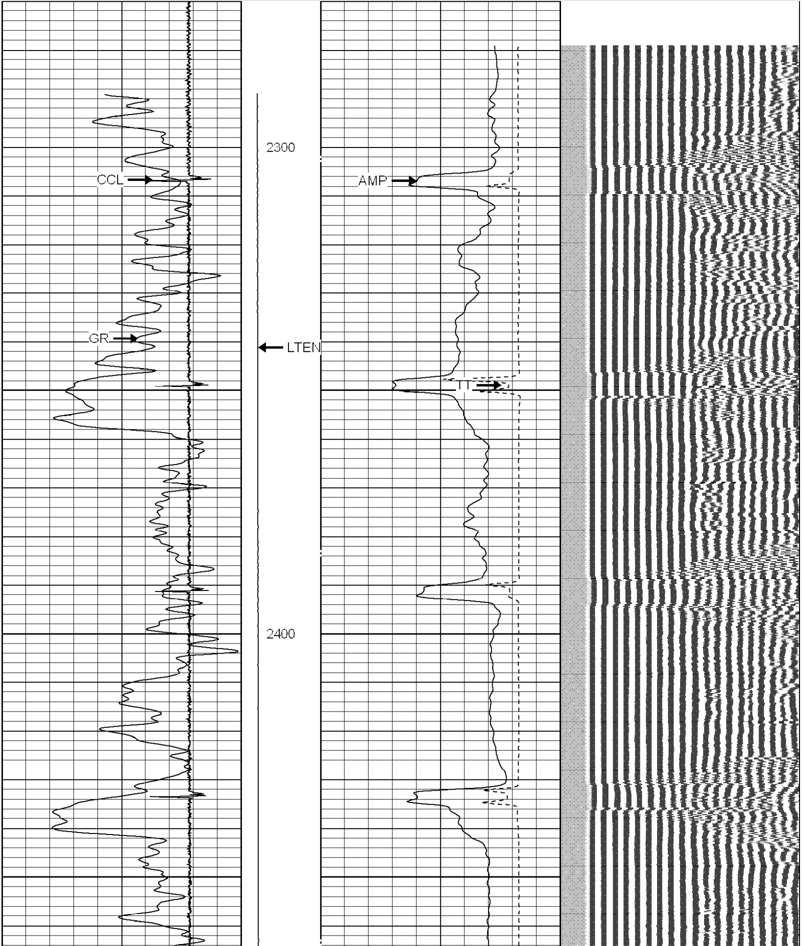
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

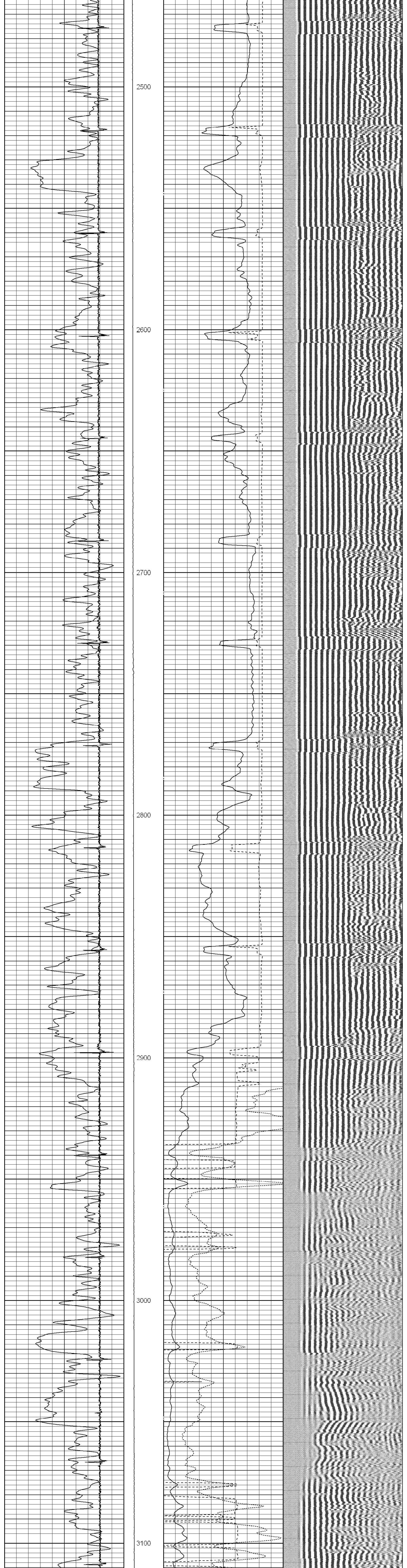
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

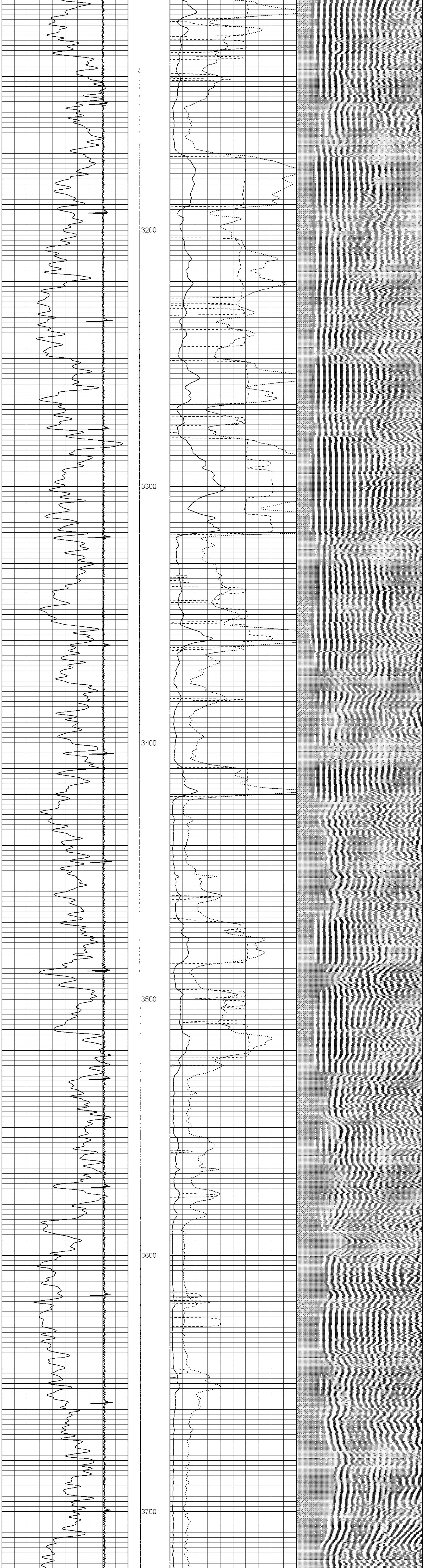
MAIN PASS

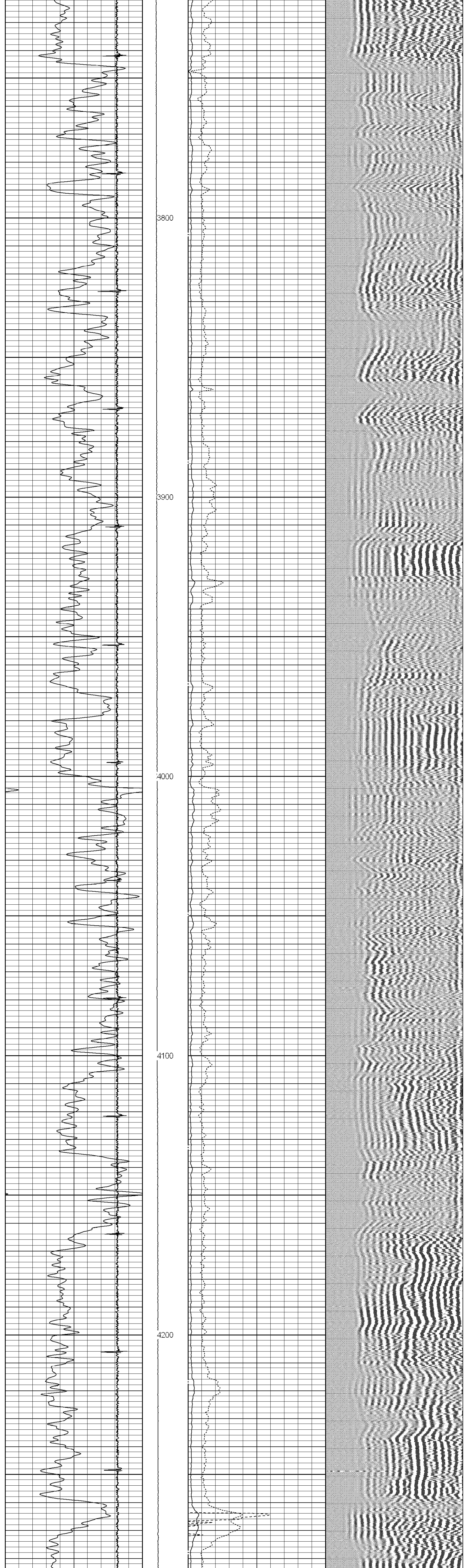
Database File: 090810_barrett_ggu_fed_21c_33.db
Dataset Pathname: main/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Thu Sep 09 11:15:30 2010
Charted by: Depth in Feet scaled 1:240

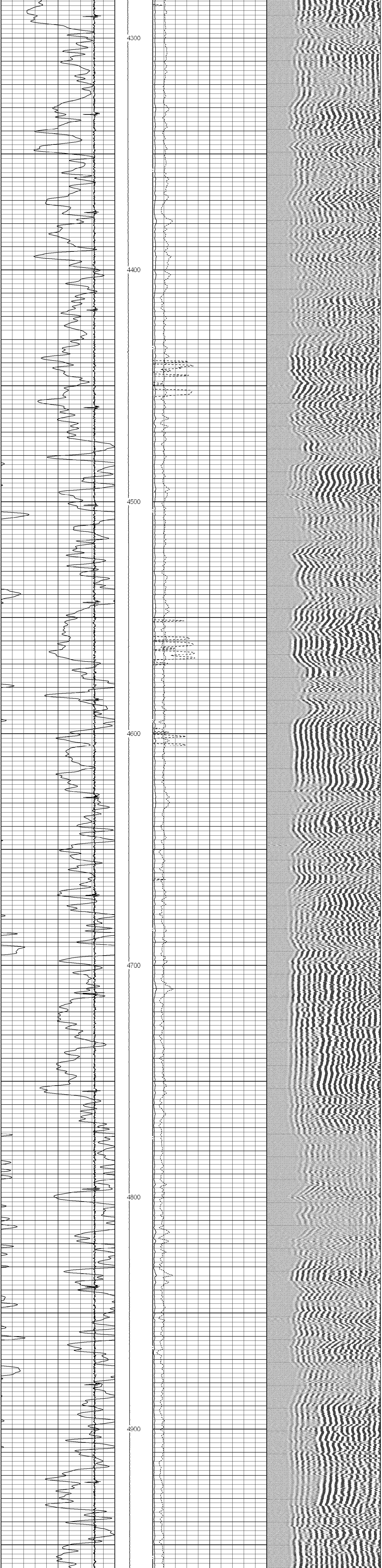
16500 CCL 19100	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)3000	0 AMP (mV) 100	
		380 TT (usec) 180	

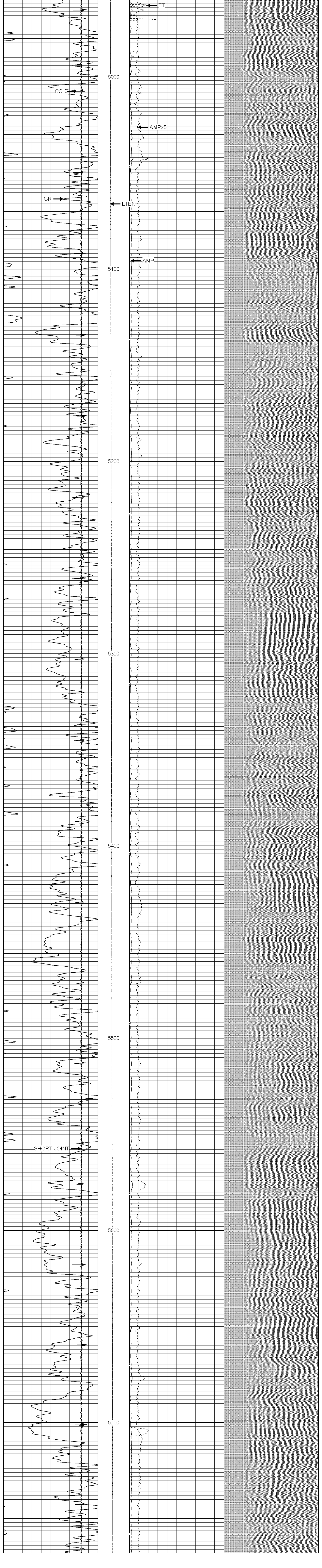


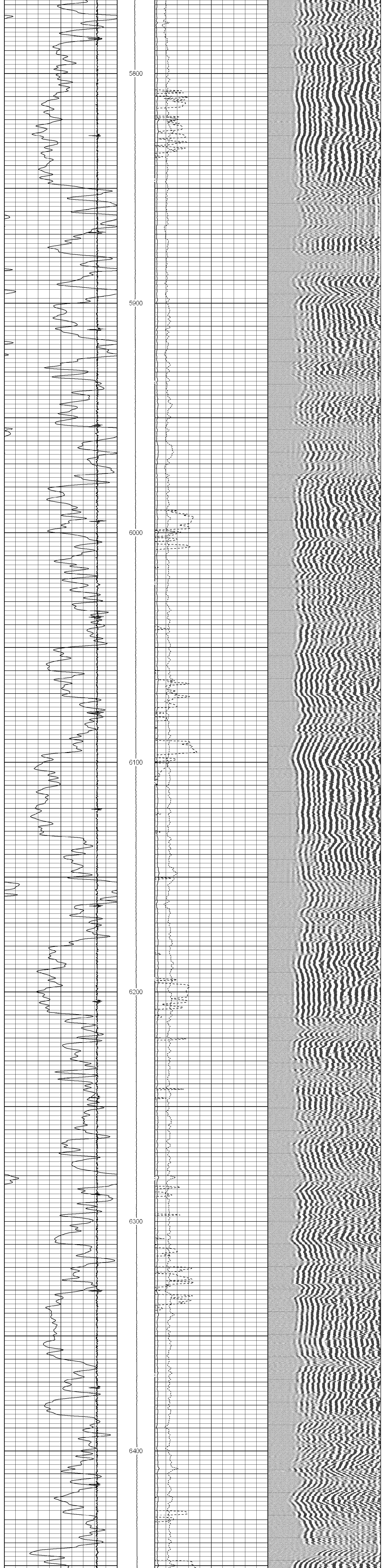


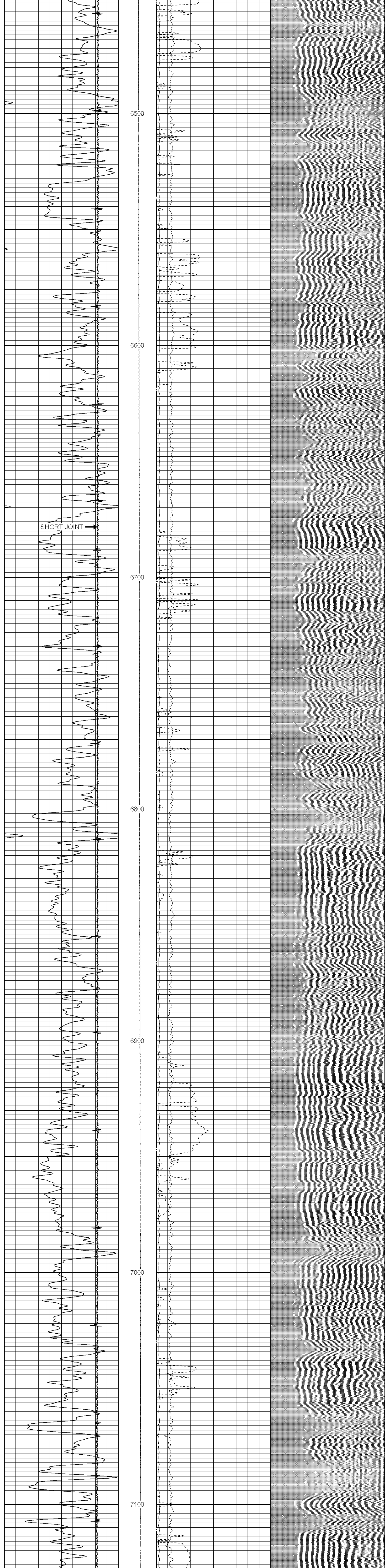


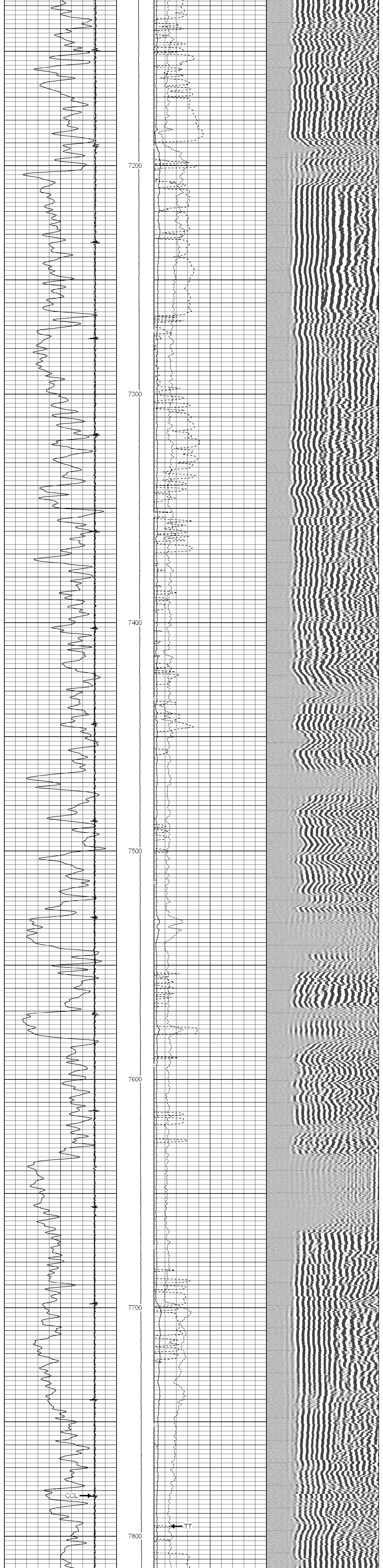


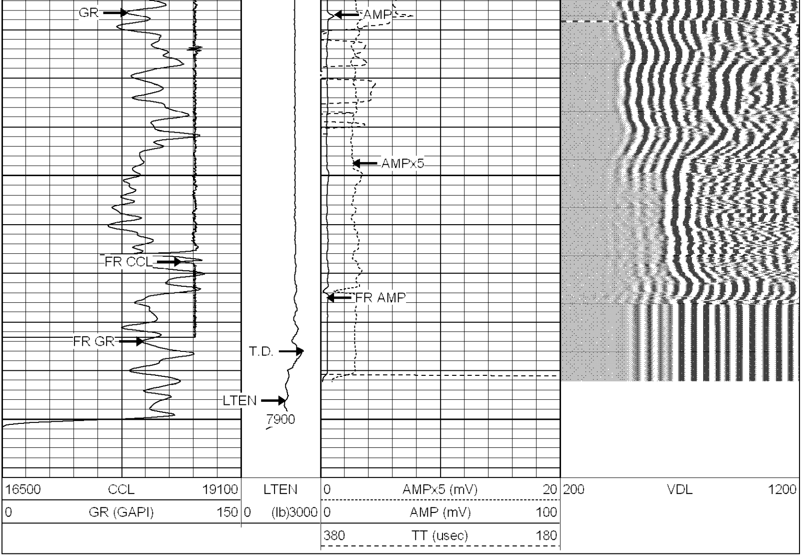












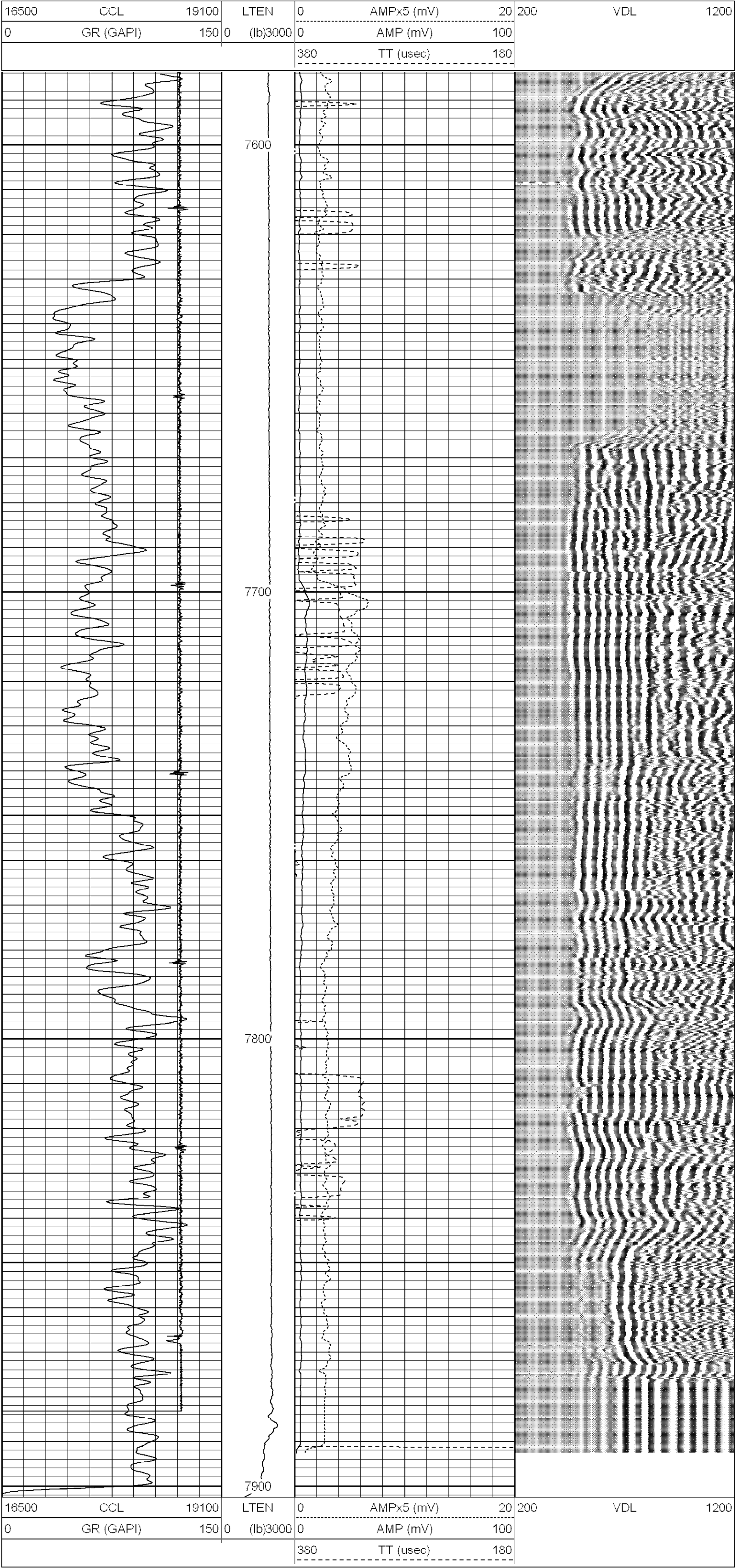
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: 090810_barrett_ggu_fed_21c_33.db
Dataset Pathname: repeat/pass1.1
Presentation Format: rmws_dsc
Dataset Creation: Thu Sep 09 11:04:04 2010 by Calc Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240



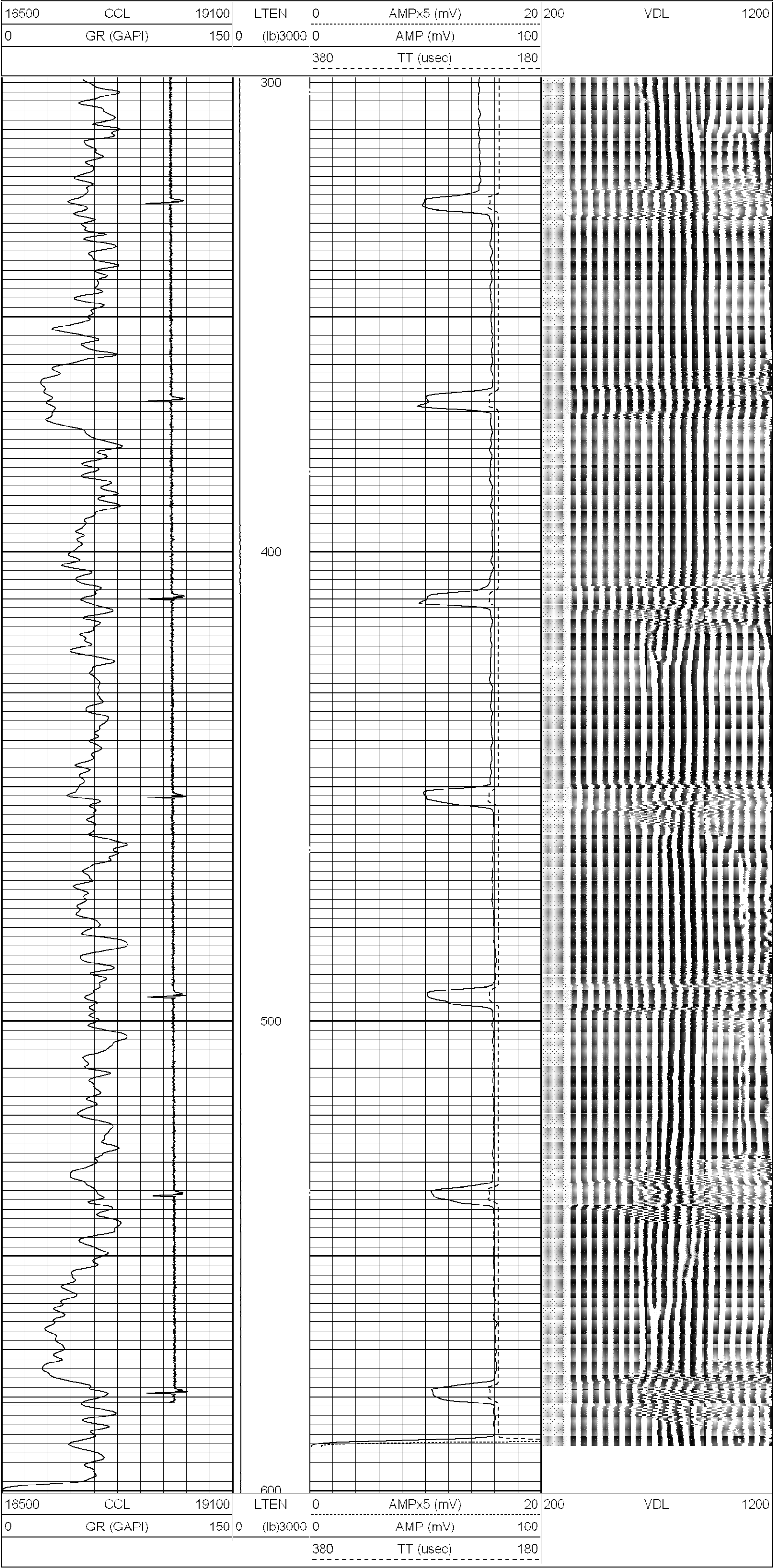
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File: 090810_barrett_ggu_fed_21c_33.db
Dataset Pathname: freepipe/pass1.1
Presentation Format: rmws_dsc
Dataset Creation: Thu Sep 09 11:01:08 2010 by Calc Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240



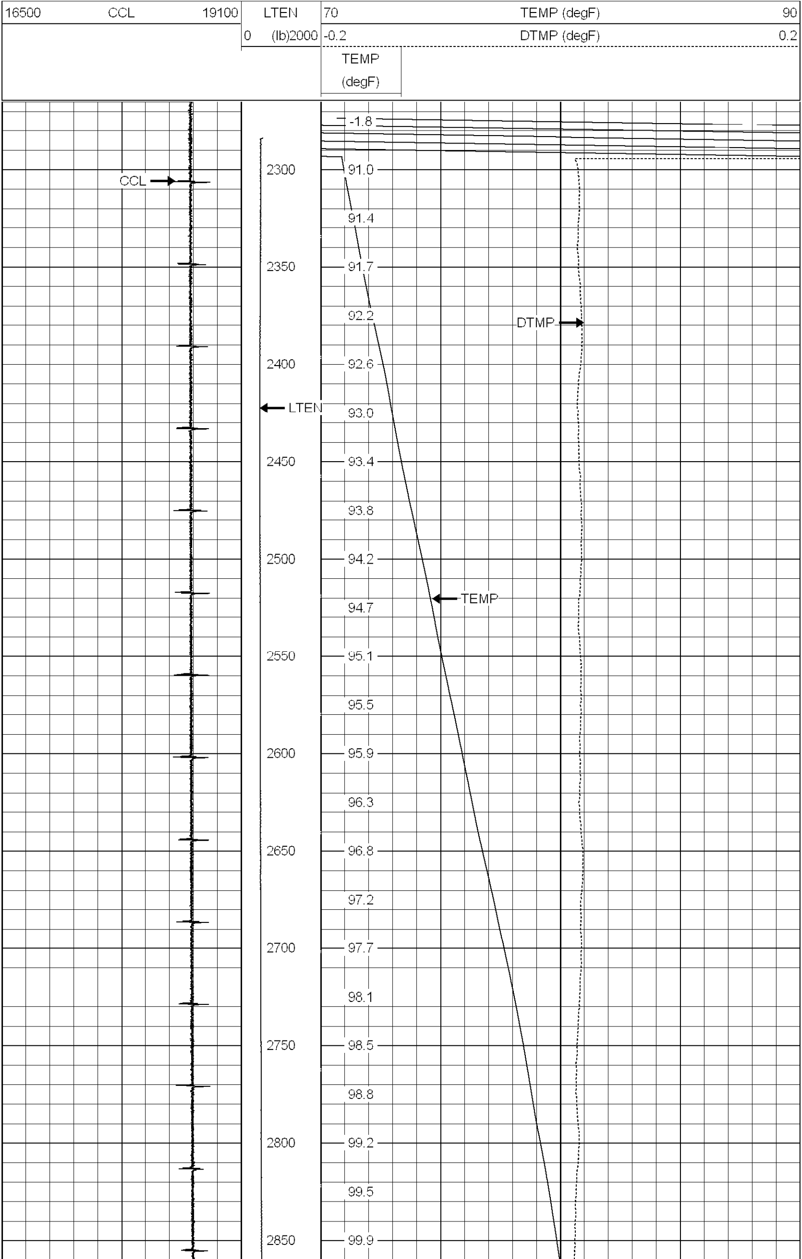
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

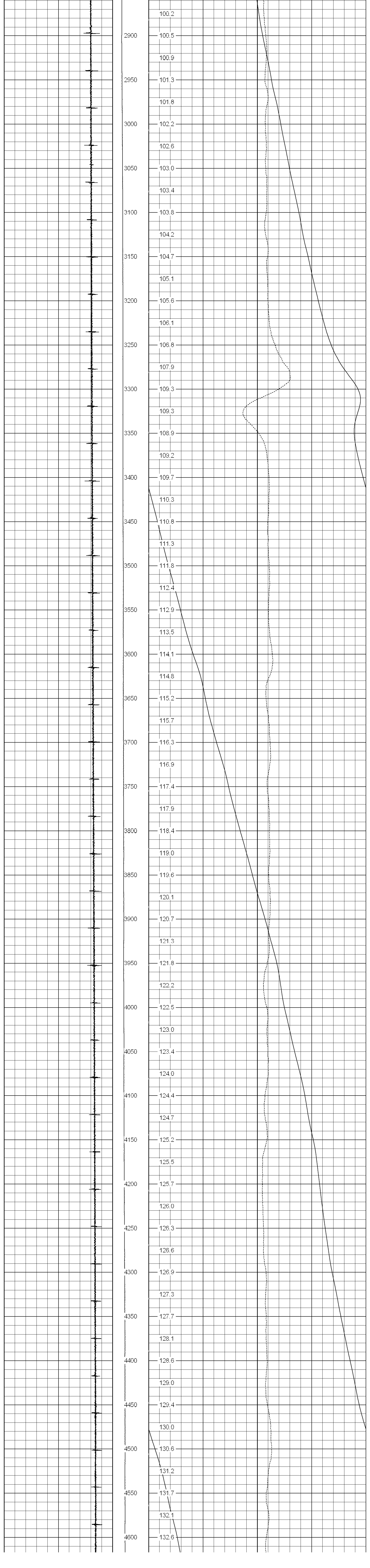
FREE PIPE PASS

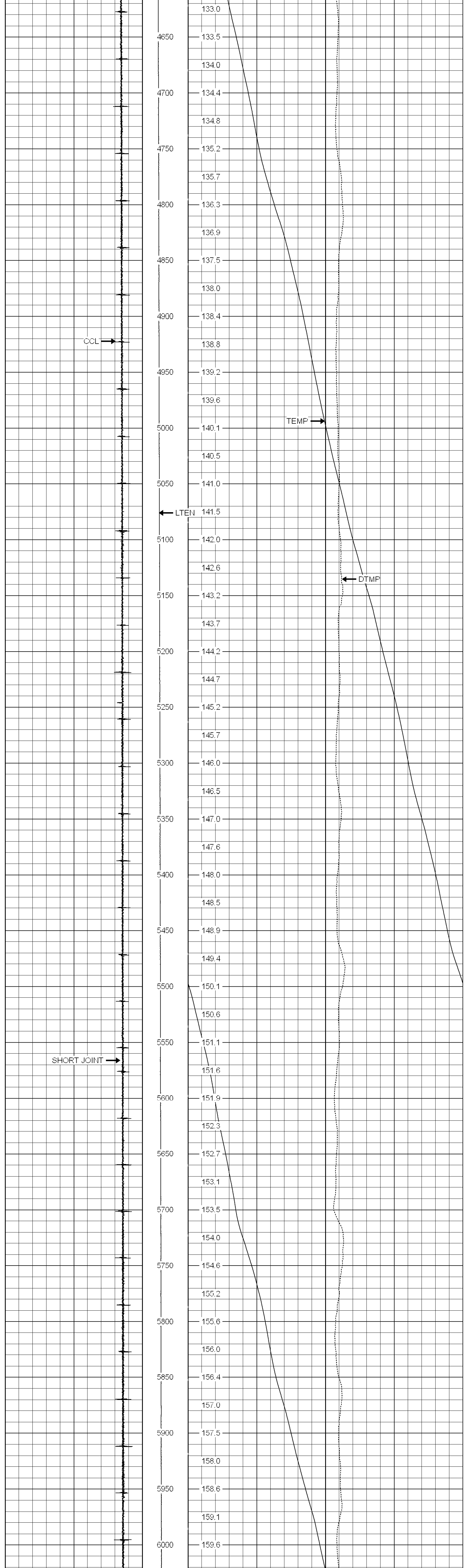
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

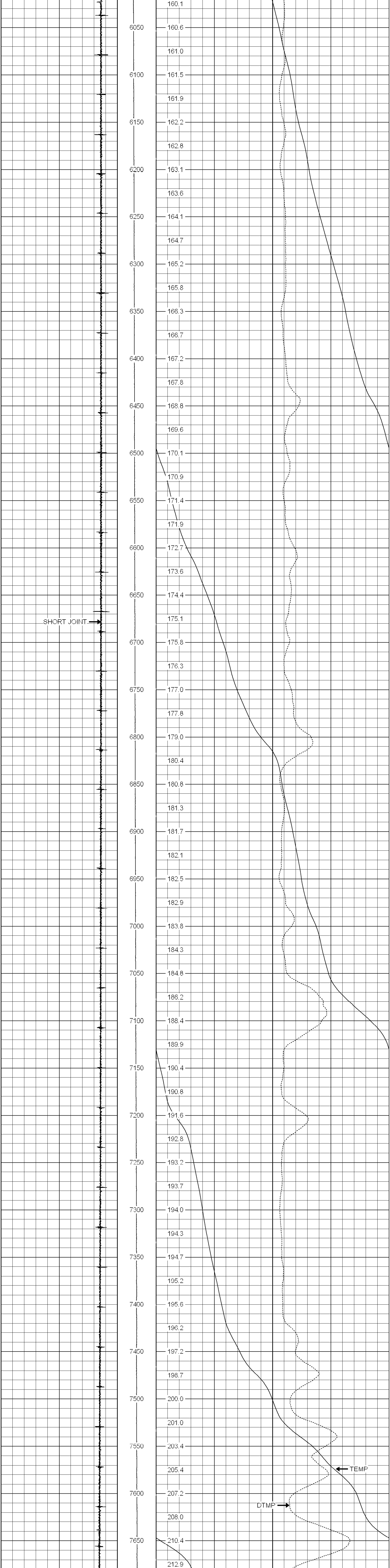
TEMP PASS

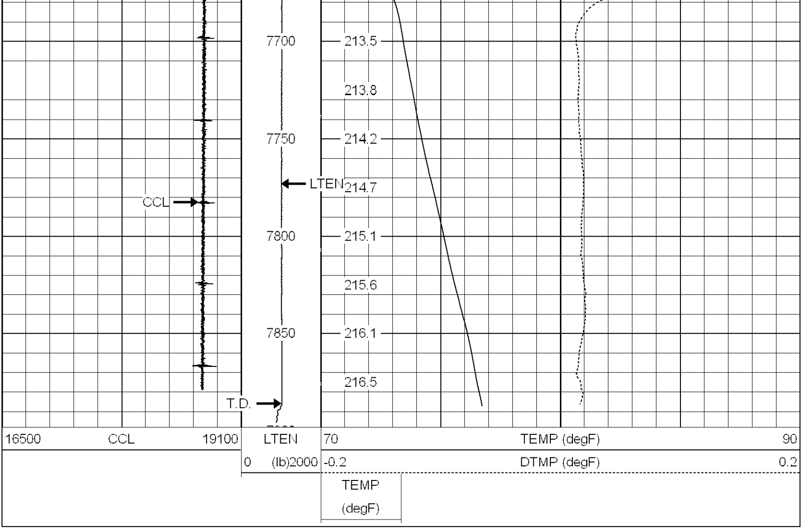
Database File:	090810_barrett_ggu_fed_21c_33.db
Dataset Pathname:	temp/pass1.1
Presentation Format:	RMWS_T~1
Dataset Creation:	Thu Sep 09 11:36:08 2010
Charted by:	Depth in Feet scaled 1:600





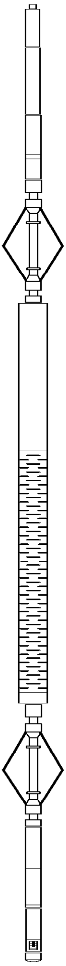






ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (217217) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	19.00		CCL-015 (217601) Casing Collar Locator	1.54	1.69	9.00
			PRC-062 (C-1099) 4ARM 2 3/4" ROLLER	2.90	2.75	34.00
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	11.22 11.22 11.22 11.22 11.22 11.22 11.22 11.22 11.22 11.22 11.22 10.22		RBT-004 (1123) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-062 (C-1100) 4ARM 2 3/4" ROLLER	2.90	2.75	34.00
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: 090810_barrett_ggu_fed_21c_33.db: field/well/main/pass1.2
Total Length: 22.62 ft
Total Weight: 242.20 lb
O.D. 3.13 in

ROCKY MOUNTAIN WIRELINE SERVICE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 21C - 33 - 691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO