RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION		
Well	THARP 14C - 13 - 692		
Field	MAMM CREEK		
County	GARFIELD	State	COLORADO

Location: API # : 05 - 045 - 18606
SHL: 244' FNL & 219' FEL
BHL: 810' FSL & 660' FEL
SEC 23 TWP 6S RGE 92W

Other Services
3.75"
GAUGE RING

Permanent Datum	G.L.	Elevation	5801'
Log Measured From	K.B.	Ft Above PD	23'
Drilling Measured From	K.B.		

Elevation
K.B. 5824'
D.F. 5823'
G.L. 5801'

Date	04 - 24 - 2010	
Run Number	ONE	
Depth Driller	7820'	
Present Depth Driller	7712'	
Depth Logger	7712'	
Bottom Logged Interval	7711'	
Top Log Interval	3950'	
Fluid Level	SURFACE	
Type Fluid	WATER	
Max. Recorded Temp.	204.3 Deg F	
Estimated Cement Top	4562'	
Equipment Number	208	
Location	GRAND JCT.	
Recorded By	INGRAM	MCBROOM
Witnessed By	MR. BEAUXIS	

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	824'	4910'	9.625"	36#	SURFACE	824'
TWO	7.875"	4910'	7820'	4.5"	11.6#	SURFACE	7820'

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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 2-8-2010
SHORT JOINTS : 5589' TO 5610' AND 7455' TO 7477'
MAIN PASS: 5" = 100'
TEMP PASS: 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: F:\=[COMPLETED_LOG_DBS]=\[BILL BARRET CORP]\CBL\THARP\THARP 14C-13\042410_barrett_tharp
Dataset Pathname: main/pass3
Dataset Creation: Sun Apr 25 08:57:14 2010

Gamma Ray Calibration Report

Serial Number:	TEKO234_359	
Tool Model:	TEKCO234	
Performed:	Fri Apr 23 14:59:01 2010	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	/cps

CBL Calibration Report

Serial Number:	TEKCO_8043		
Tool Model:	TEKCO		
Performed:	Sat Apr 24 16:59:45 2010		
Depth:	4527.233	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.000	1.000	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.017	0.016	V
Reading in Free Pipe:	1.420	1.891	V
Gain:	45.880	42.548	
Offset:	0.993	0.993	

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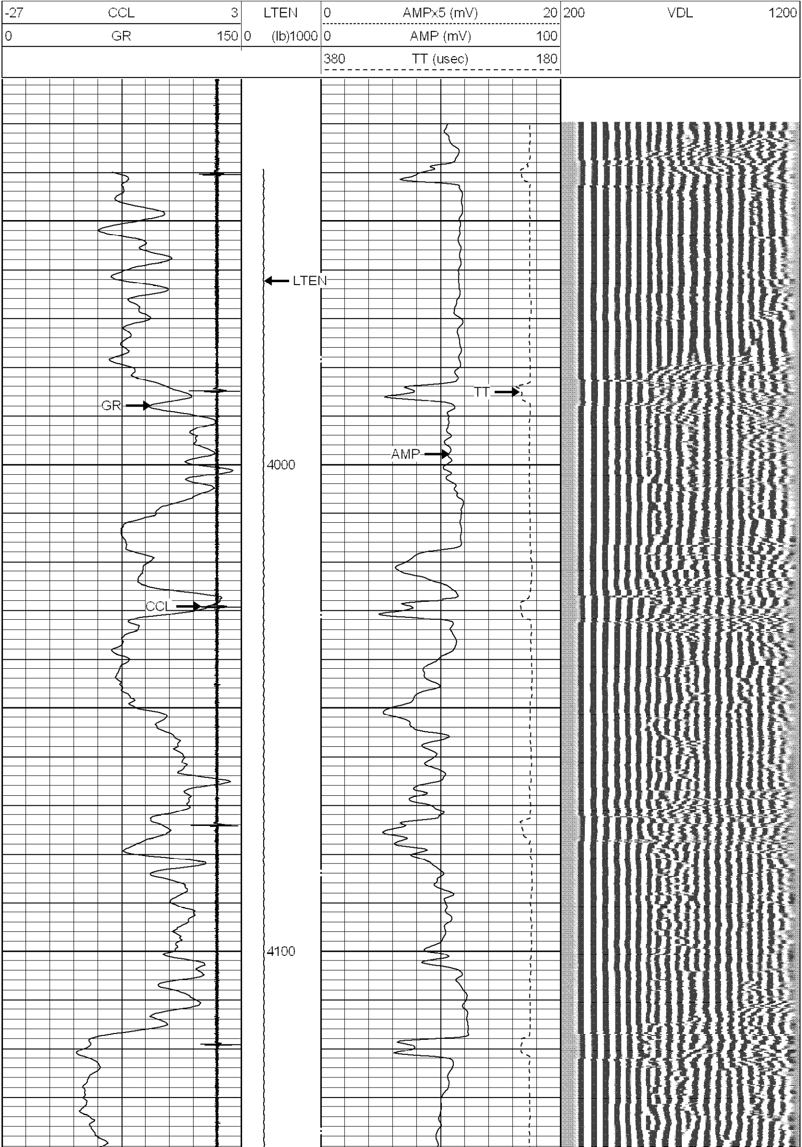
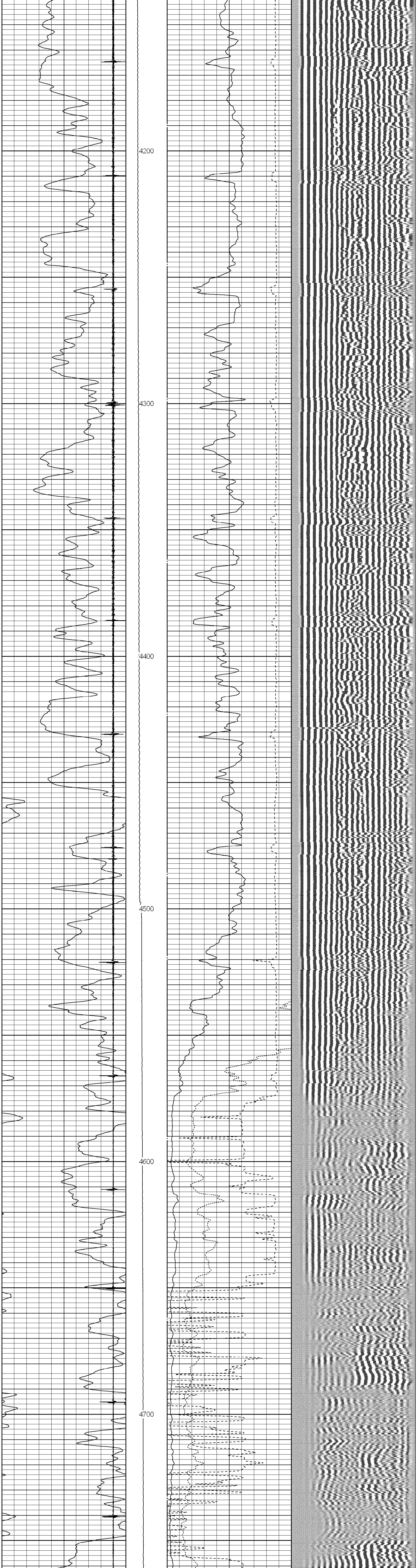
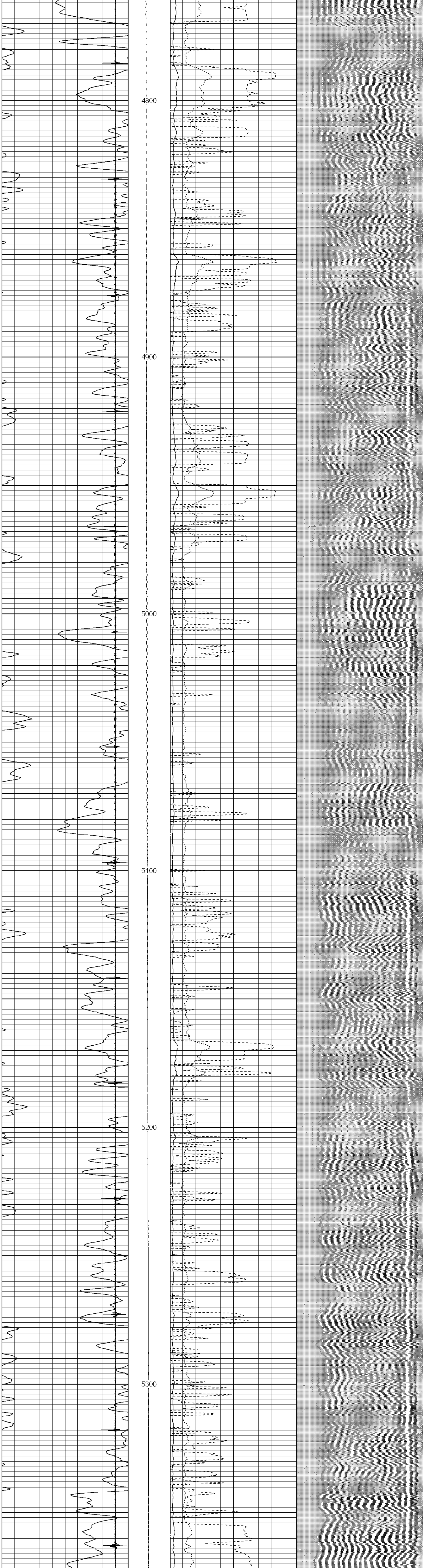
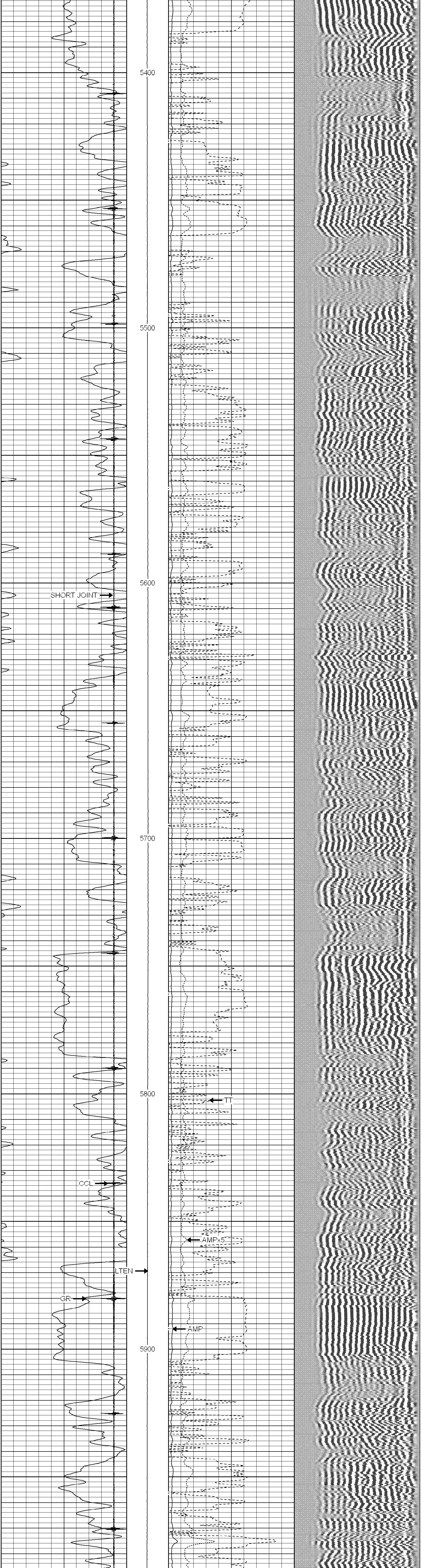
MAIN PASS

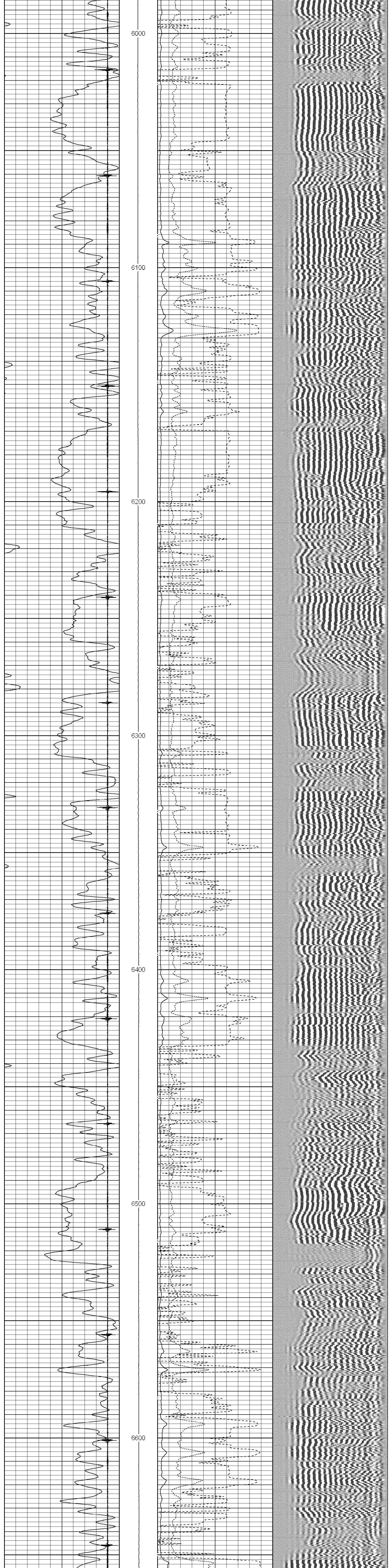
Database File: f:\=[completed_log_dbs]=\[bill barret corp]\cbl\tharp\tharp 14c-13\042410_barrett_tharp_14c_13.db
Dataset Pathname: main/pass3
Presentation Format: rmws_dsc
Dataset Creation: Sun Apr 25 08:57:14 2010
Charted by: Depth in Feet scaled 1:240

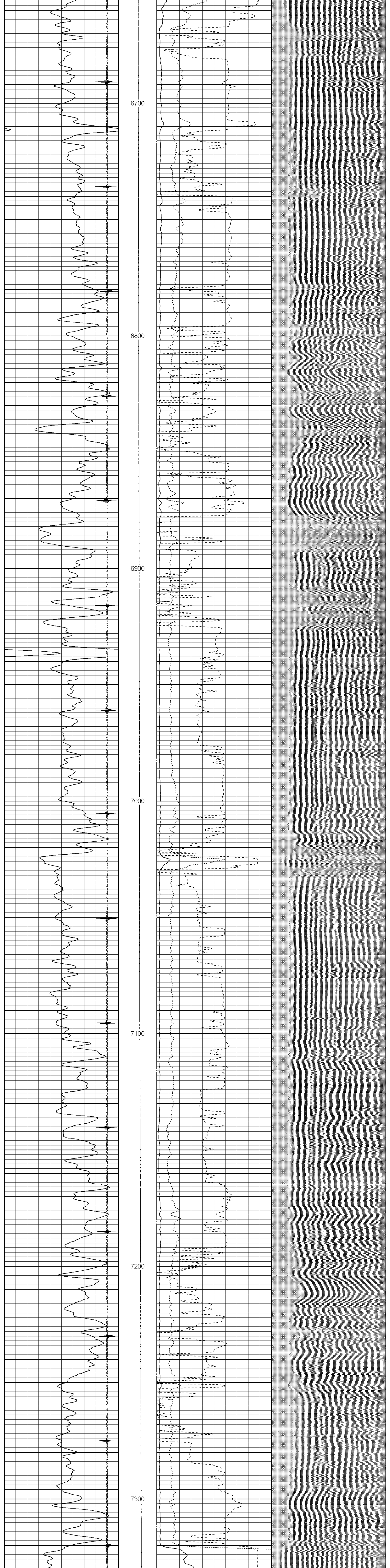


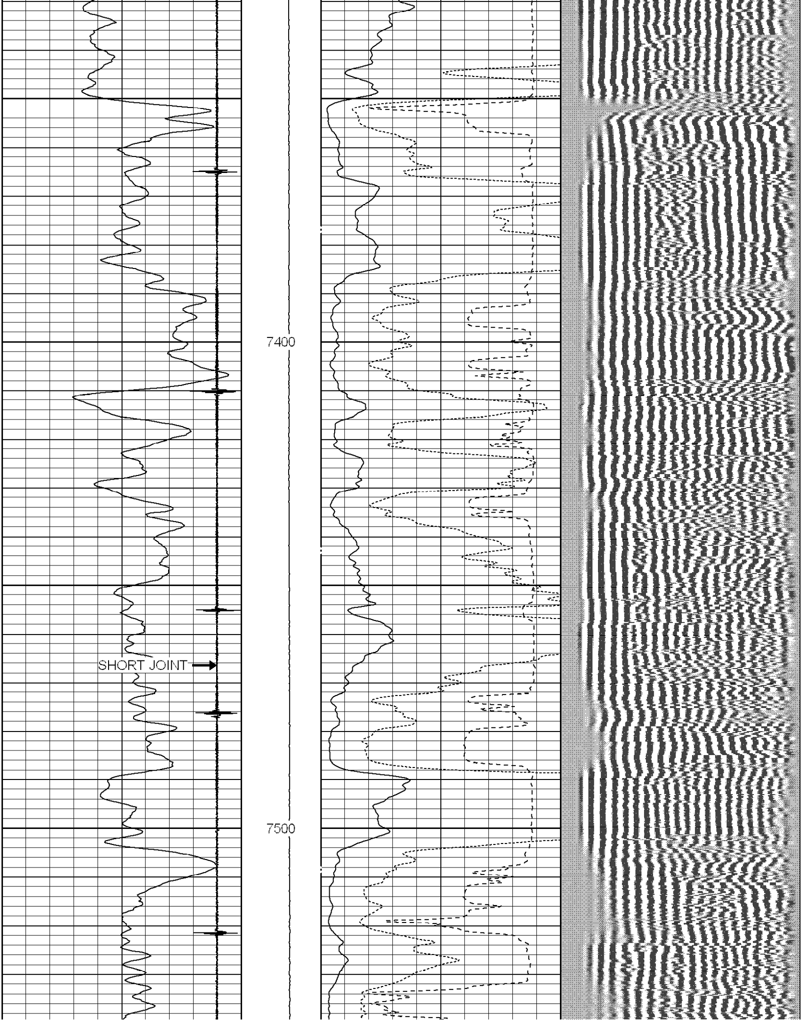


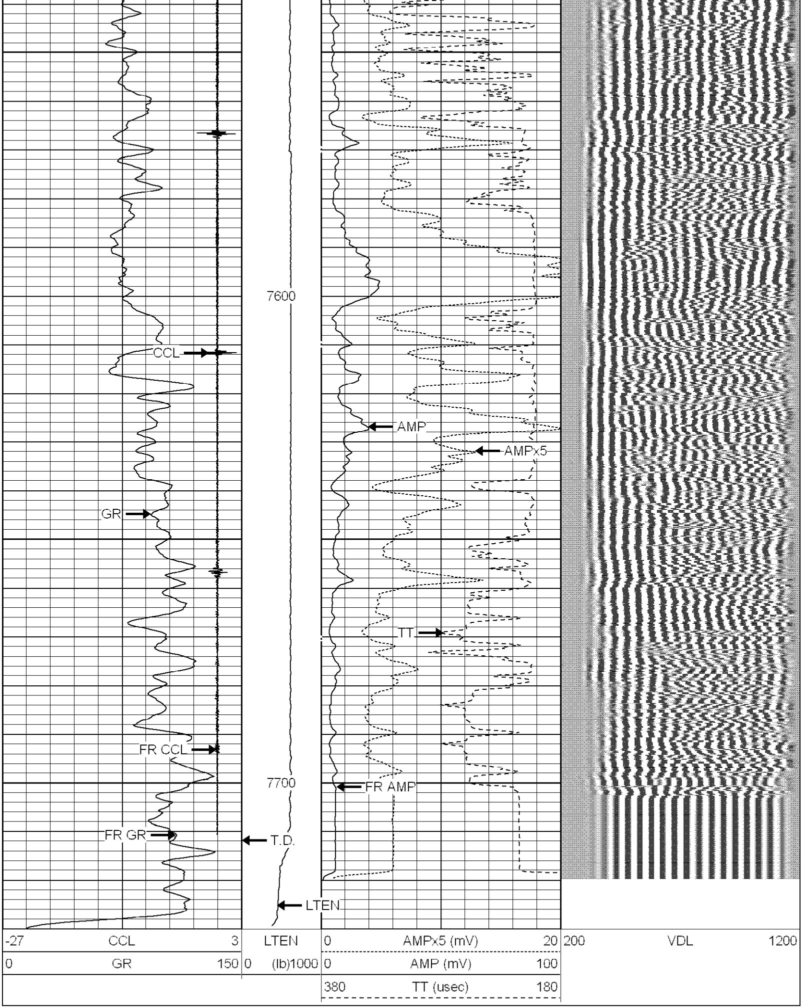












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MAIN PASS

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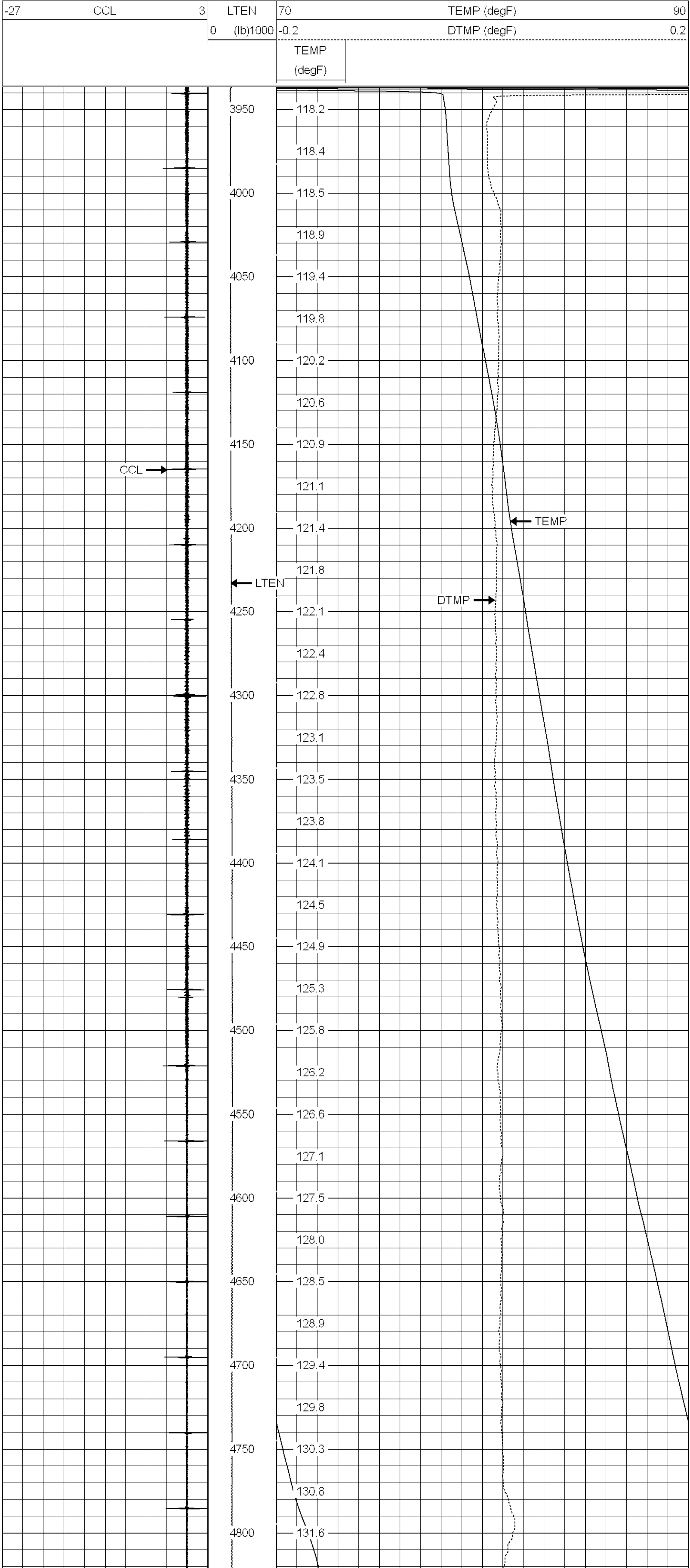
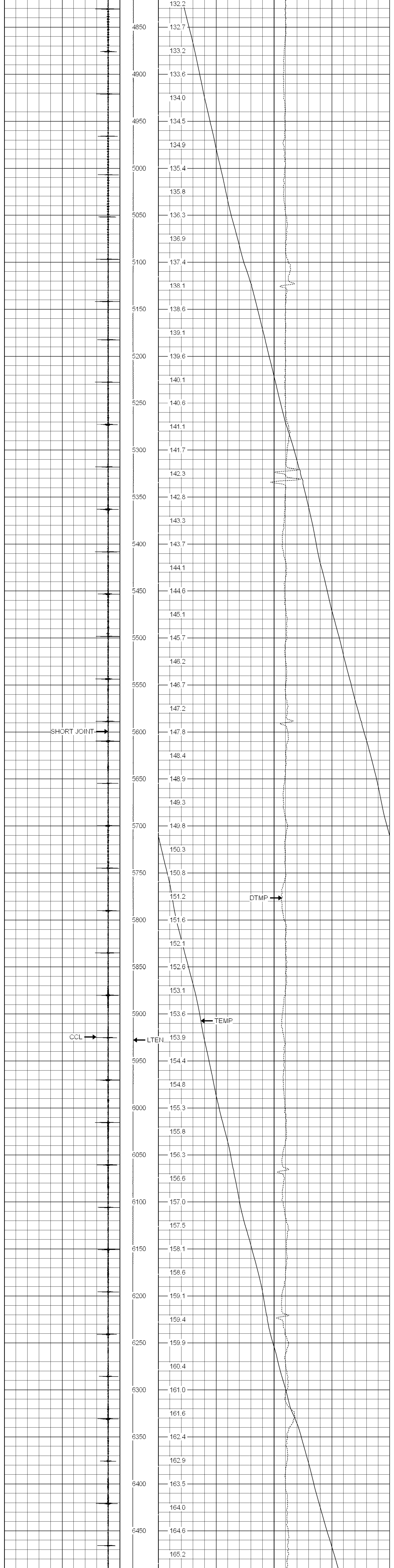
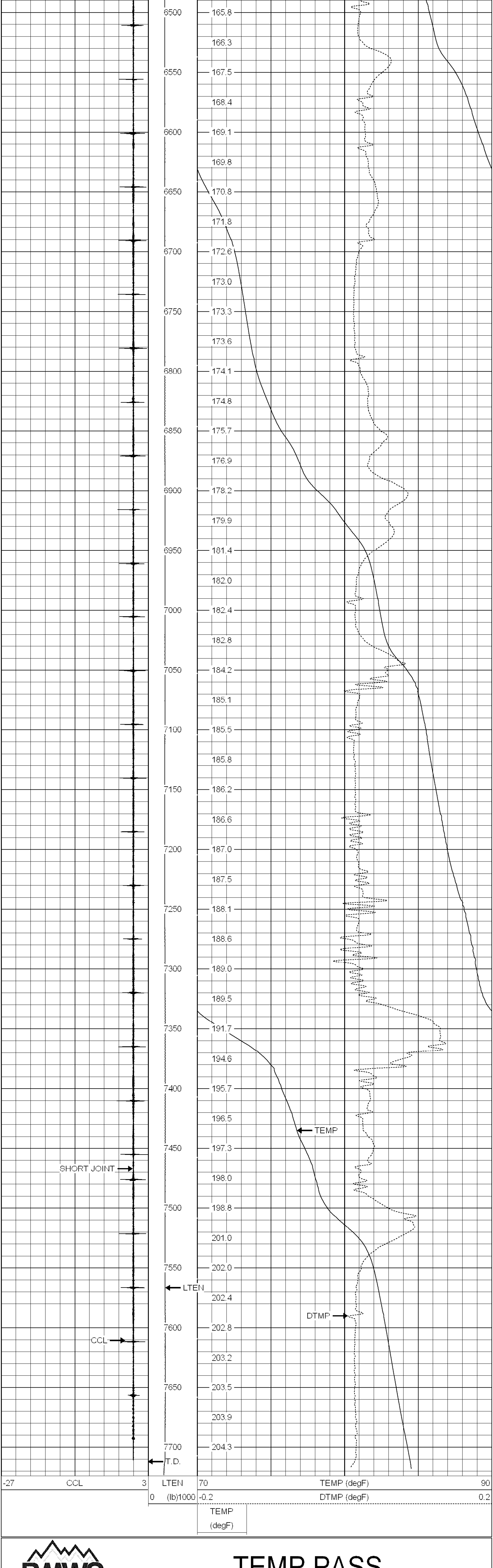
TEMP PASS

Database File:	f:\=[completed_log_dbs]=\[bill barret corp]\cbl\tharp\tharp 14c-13\042410_barrett_tharp_14c_13.db
Dataset Pathname:	temp/pass1
Presentation Format:	rmws_temp
Dataset Creation:	Sat Apr 24 17:06:03 2010 by Log Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:600







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TEMP PASS

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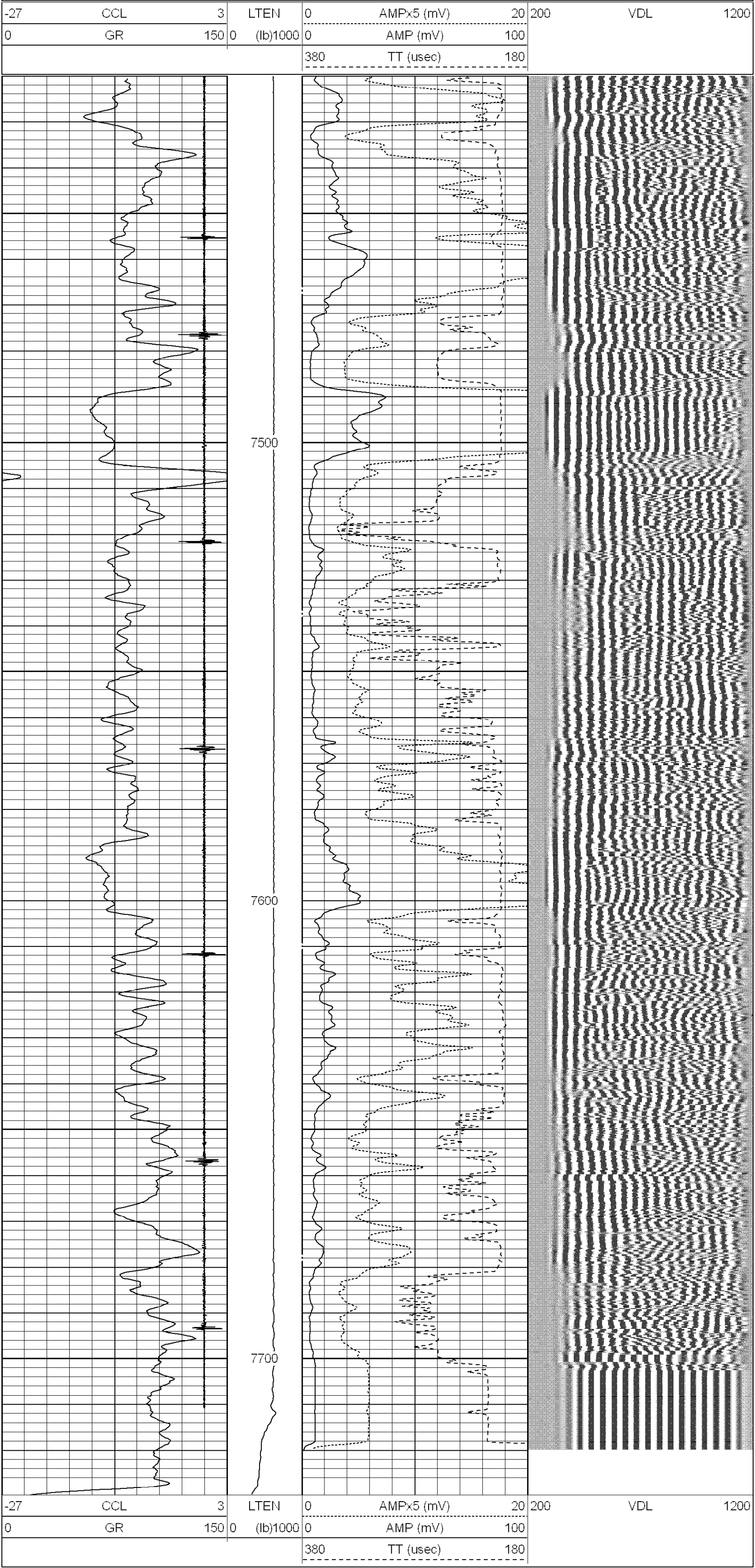
REPEAT PASS

Database File:	f:\=[completed_log_dbs]=\[bill barret corp]\cbl\tharp\tharp 14c-13\042410_barrett_tharp_14c_13.db
Dataset Pathname:	repeat/pass2
Presentation Format:	rmws_dsc
Dataset Creation:	Sun Apr 25 13:21:27 2010 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240



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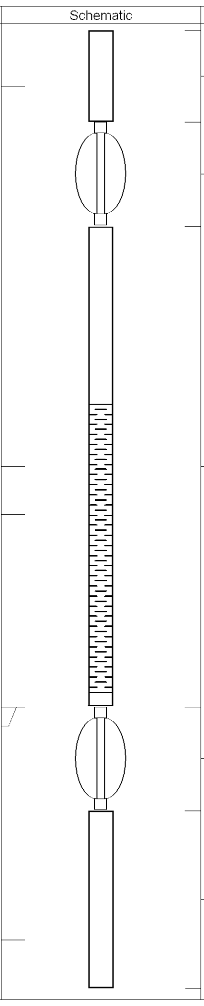
REPEAT PASS

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.75		CCL-TITAN275 (TITAN275_102) Titan 2 3/4" CCL	1.92	2.75	10.00
			TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
WVF3FT WVF5FT	10.85 9.85		CBLTEKCO-TEKCO (TEKCO_8043) DEMO TOOL - DEMINSIONS INVALID	10.00	3.25	50.00
WVFCAL WVFSYNC	5.85 5.85		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
GR	1.00		GR-TEKCO234 (TEKO234_359) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 042410_barrett_tharp_14c_13.db: field/well/main/pass3
Total Length: 19.94 ft
Total Weight: 90.00 lb
O.D. 3.25 in