RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION		
Well	THARP 41A - 23 - 692		
Field	MAMM CREEK		
County	GARFIELD	State	COLORADO
Location:	API #: 05 - 045 - 18608 SHL: 340' FNL & 222' FEL BHL: 1185' FNL & 664' FEL		Other Services 3.75" GAUGE RING
	SEC 23 TWP 6S RGE 92W		
Permanent Datum	G.L.	Elevation 5801'	Elevation K.B. 5824' D.F. 5823' G.L. 5801'
Log Measured From	K.B.	Ft Above PD 23'	
Drilling Measured From	K.B.		
Date	04 - 23 - 2010		
Run Number	ONE		
Depth Driller	7790'		
Present Depth Driller	7705'		
Depth Logger	7705'		
Bottom Logged Interval	7704'		
Top Log Interval	4400'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	205.2 Deg F		
Estimated Cement Top	5037'		
Equipment Number	208		
Location	GRAND JCT.		
Recorded By	INGRAM		
Witnessed By	MR. BEAUXIS	MCBROOM	

Run Number	Borehole Record Bit	From	To	Casing Record Size	Weight	From	To
ONE	8.750"	841'	5453'	9.625"	36#	SURFACE	841'
TWO	7.875"	5453'	7790'	4.5"	11.6#	SURFACE	7790'

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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 4-8-2010
SHORT JOINTS : 5634' TO 5660' AND 7461' TO 7487'
MAIN PASS: 5" = 100'
TEMP PASS: 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: C:\Documents and Settings\Logger\Desktop\042310_barrett_tharp_41a_23.db
Dataset Pathname: main/pass2
Dataset Creation: Sat Apr 24 12:47:32 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_8044		
Tool Model:	TEKCO		
Performed:	Fri Apr 23 13:19:49 2010		
Depth:	2446.333	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:	0.000	0.000	V
Reading in Free Pipe:	1.340	1.730	V
Gain:	56.489	43.747	
Offset:	0.994	0.993	

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MAIN PASS

Database File: c:\documents and settings\logger\desktop\042310_barrett_tharp_41a_23.db
Dataset Pathname: main/pass2
Presentation Format: rmws_dsc
Dataset Creation: Sat Apr 24 12:47:32 2010
Charted by: Depth in Feet scaled 1:240

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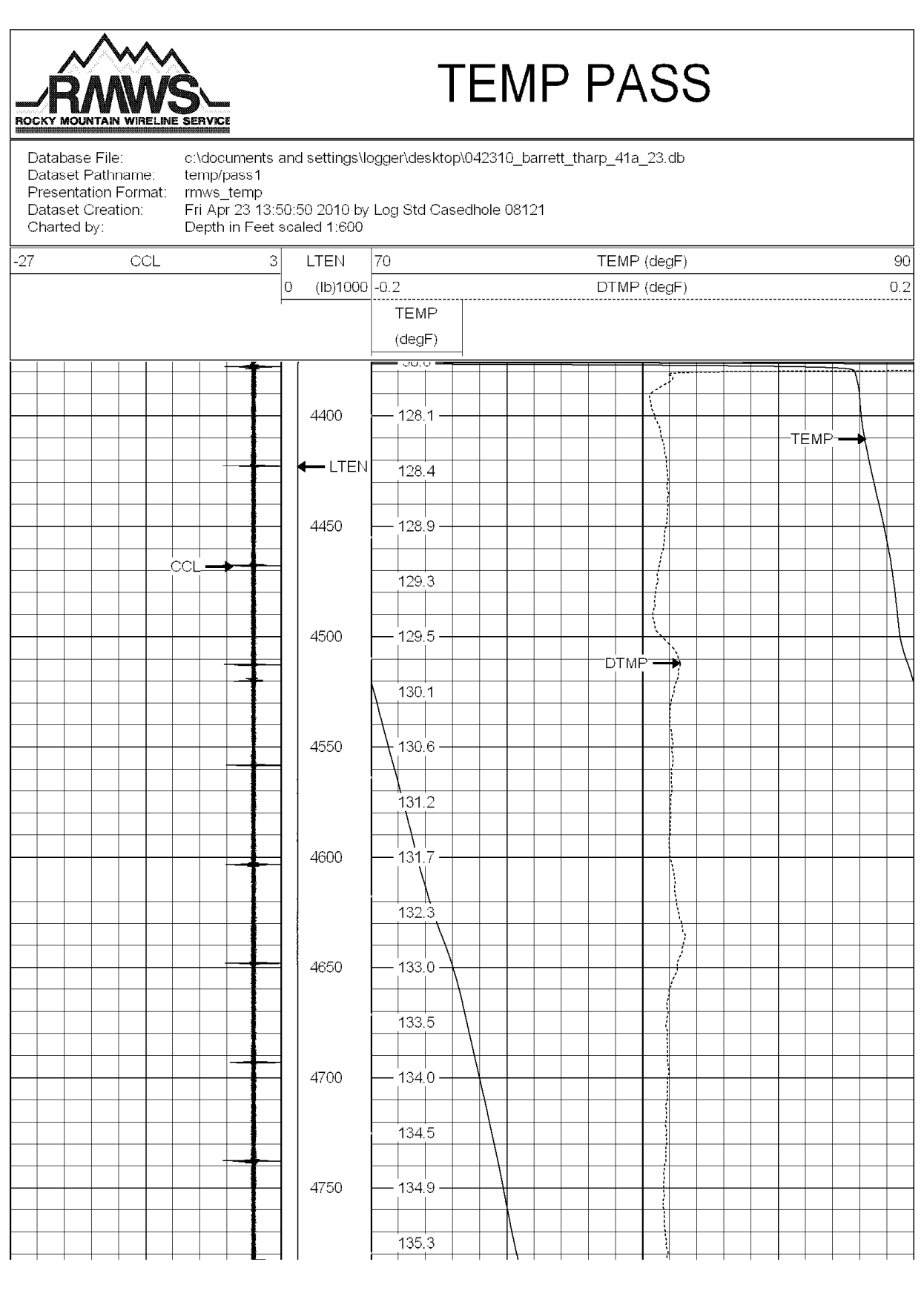
MAIN PASS

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

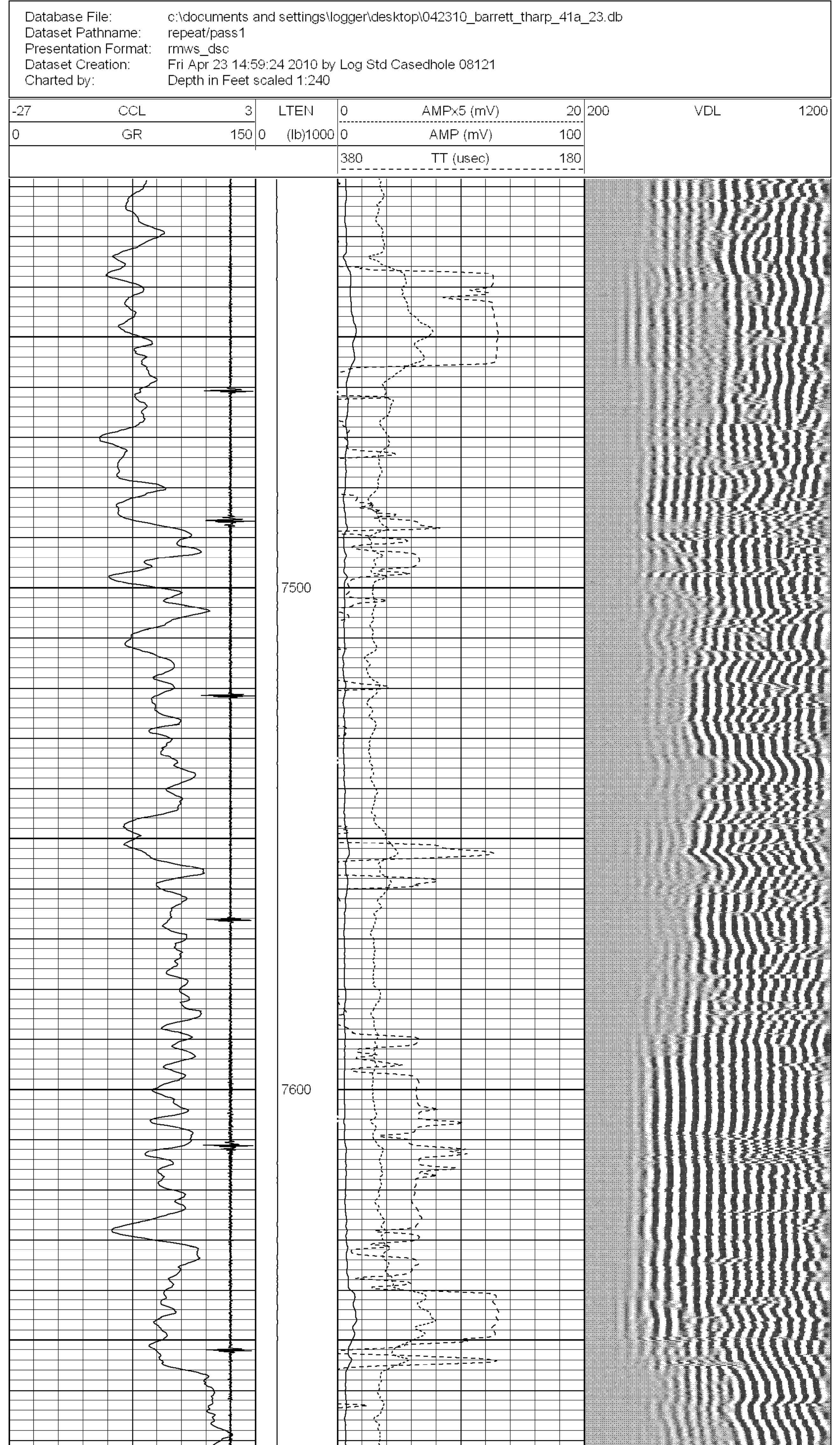
Database File: c:\documents and settings\logger\desktop\042310_barrett_tharp_41a_23.db
Dataset Pathname: temp/pass1
Presentation Format: rmws_temp
Dataset Creation: Fri Apr 23 13:50:50 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:600



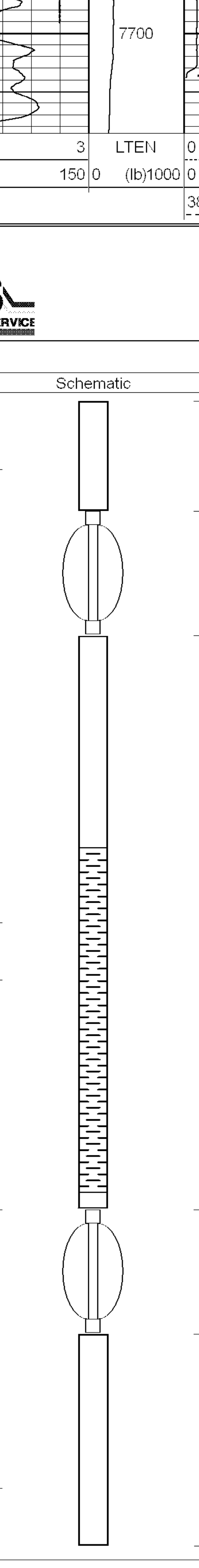
TEMP PASS

REPEAT PASS

Database File: c:\documents and settings\logger\desktop\042310_barrett_tharp_41a_23.db
Dataset Pathname: repeat/pass1
Presentation Format: rmws_dsc
Dataset Creation: Fri Apr 23 14:59:24 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240



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_8044) 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: 042310_barrett_tharp_41a_23.db: field/well/main/pass2
Total Length: 19.94 ft
Total Weight: 90.00 lb
O.D.: 3.25 in