ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company BILL BARRETT CORPORATION
Well GGU FEDERAL 22B - 28 - 691
Field MAMM CREEK
County GARFIELD State COLORADO

Location: API #: 05 - 045 - 19206
SHL: 2012' FNL & 1890' FWL
BHL: 2170' FNL & 1990' FWL
SEC 28 TWP 6S RGE 91W

Other Services
3.75" GAUGE RING

Permanent Datum	G.L.	Elevation	6332'
Log Measured From	K.B.	Ft Above PD	22'
Drilling Measured From	K.B.		

Elevation
K.B. 6354'
D.F. 6353'
G.L. 6332'

Date	09 - 17 - 2010
Run Number	ONE
Depth Driller	7695'
Present Depth Driller	NA
Depth Logger	7581'
Bottom Logged Interval	7579'
Top Log Interval	2350'
Fluid Level	SURFACE
Type Fluid	WATER
Max. Recorded Temp.	215.5° F
Estimated Cement Top	2969'
Equipment Number	208
Location	GRAND JCT.
Recorded By	INGRAM
Witnessed By	MR. BEAUXIS

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	824'	3995'	9.625"	36#	SURFACE	824'
TWO	7.880"	3995'	7695'	4.5"	11.6#	SURFACE	7695'

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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 WEATHER OPEN HOLE LOG DATED 7-13-10
SHORT JOINTS: 5137' TO 5158' & 6319' TO 6340'
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: 091710_barrett_ggu_fed_22b_28.db
Dataset Pathname: main/pass1.2
Dataset Creation: Fri Sep 17 15:39:00 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: 217692
Tool Model: 020
Performed: Thu Sep 16 15:13:51 2010

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: 1123
Tool Model: 004

Calibration Casing Diameter:	4.500	in
Calibration Depth:	241.442	ft

Master Calibration, performed Fri Sep 17 08:19:56 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.848	1.000	81.196	76.805	0.995
5FT	-0.001	0.919	1.000	81.196	74.468	0.994
S1	0.004	0.908	0.000	100.000	110.697	-0.469
S2	0.004	0.857	0.000	100.000	117.173	-0.422
S3	0.007	0.797	0.000	100.000	126.635	-0.914
S4	0.005	0.807	0.000	100.000	124.624	-0.609
S5	0.006	0.839	0.000	100.000	120.135	-0.771
S6	0.006	0.876	0.000	100.000	114.911	-0.699
S7	0.007	0.881	0.000	100.000	114.490	-0.837
S8	0.007	0.890	0.000	100.000	113.231	-0.822

Calibration Report

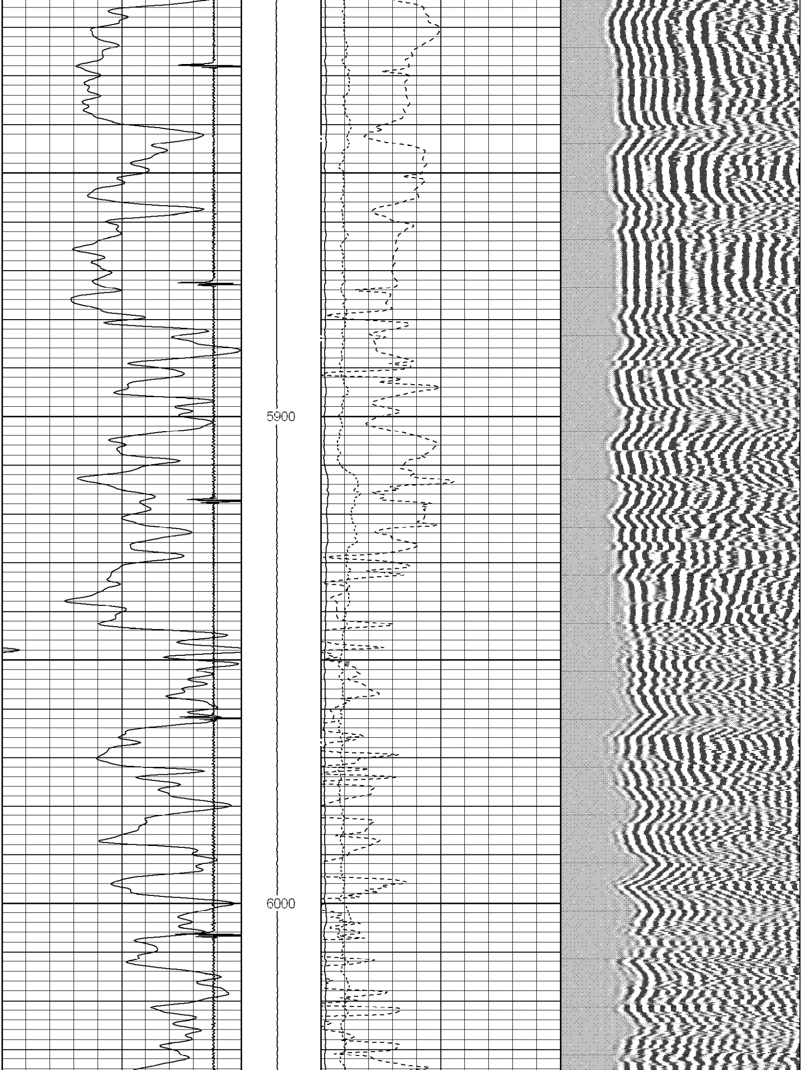
Serial Number: 1123
Tool Model: 004
Performed:

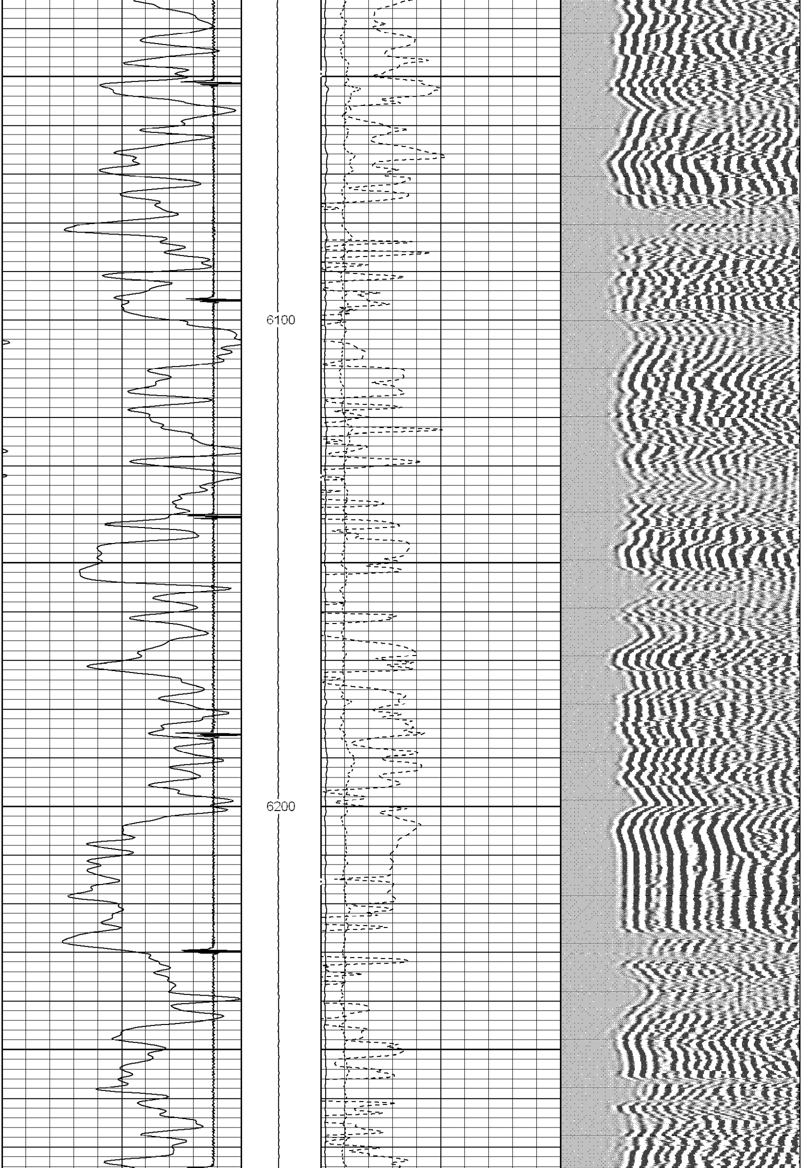
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

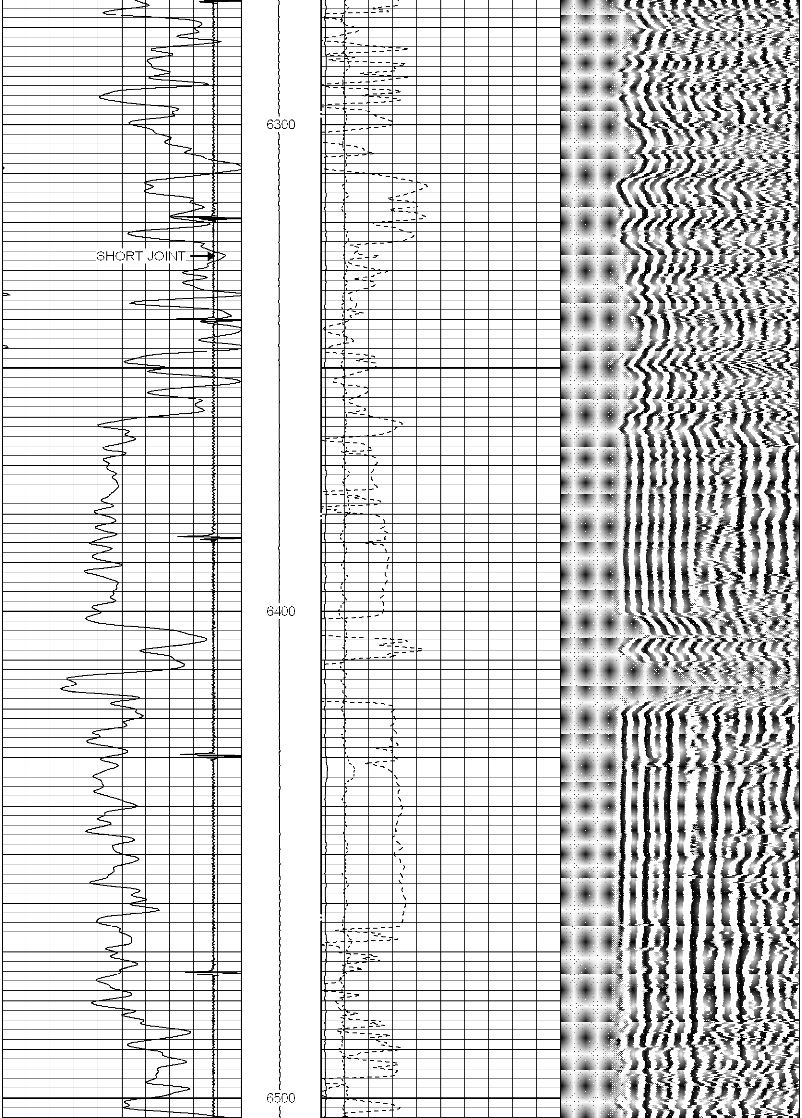
ROCKY MOUNTAIN WIRELINE SERVICE

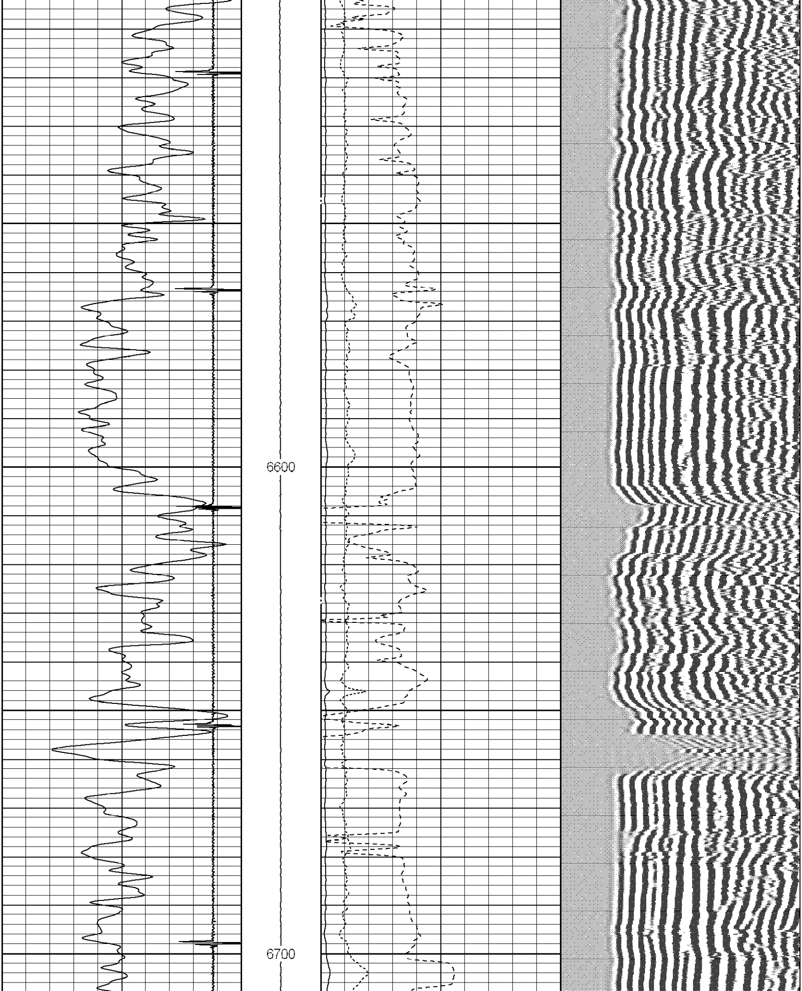
MAIN PASS

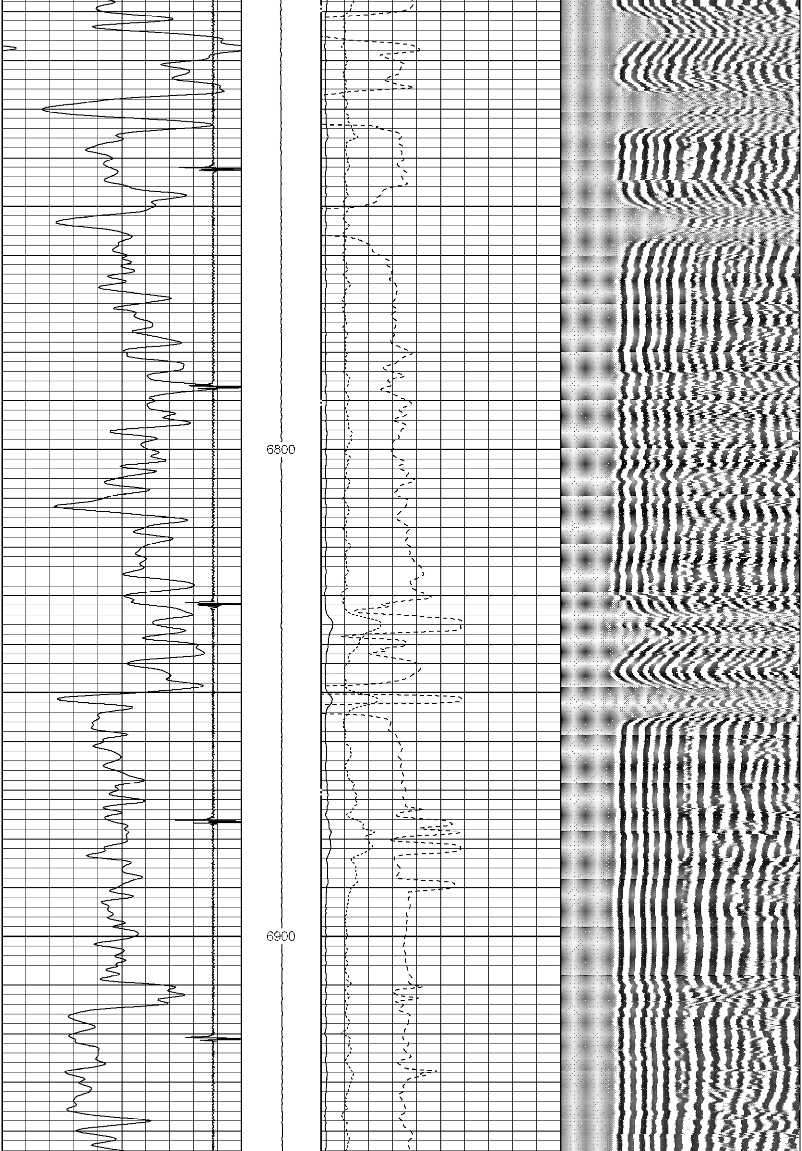
Database File: 091710_barrett_ggu_fed_22b_28.db
Dataset Pathname: main/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Fri Sep 17 15:39:00 2010
Charted by: Depth in Feet scaled 1:240

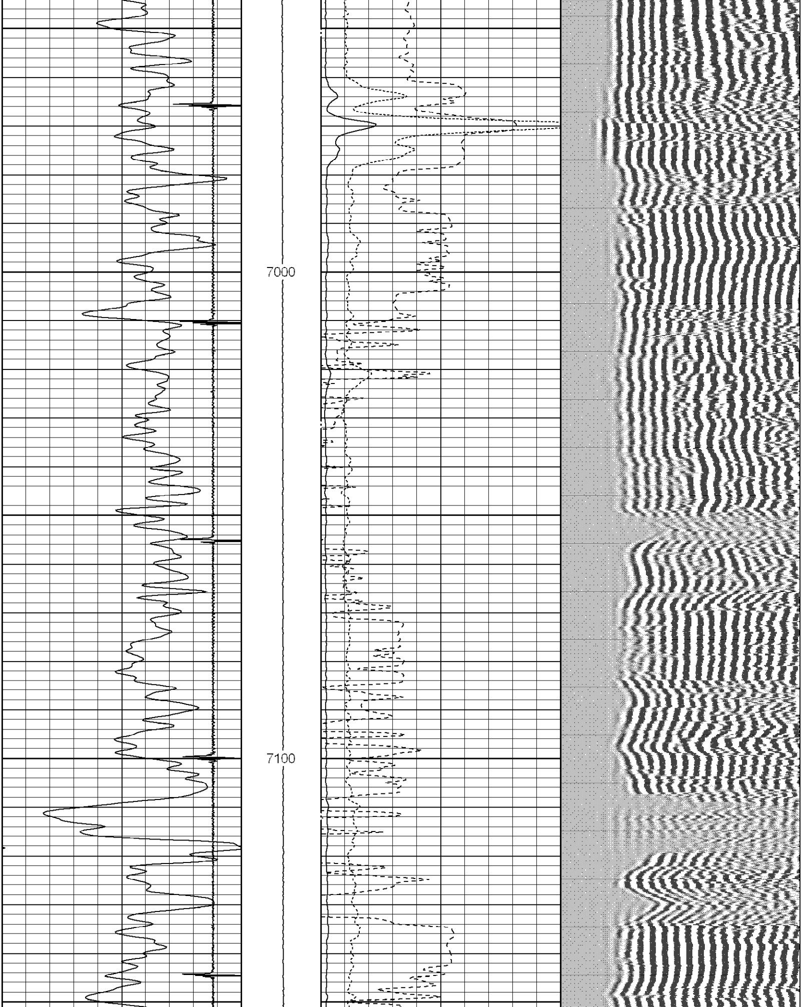


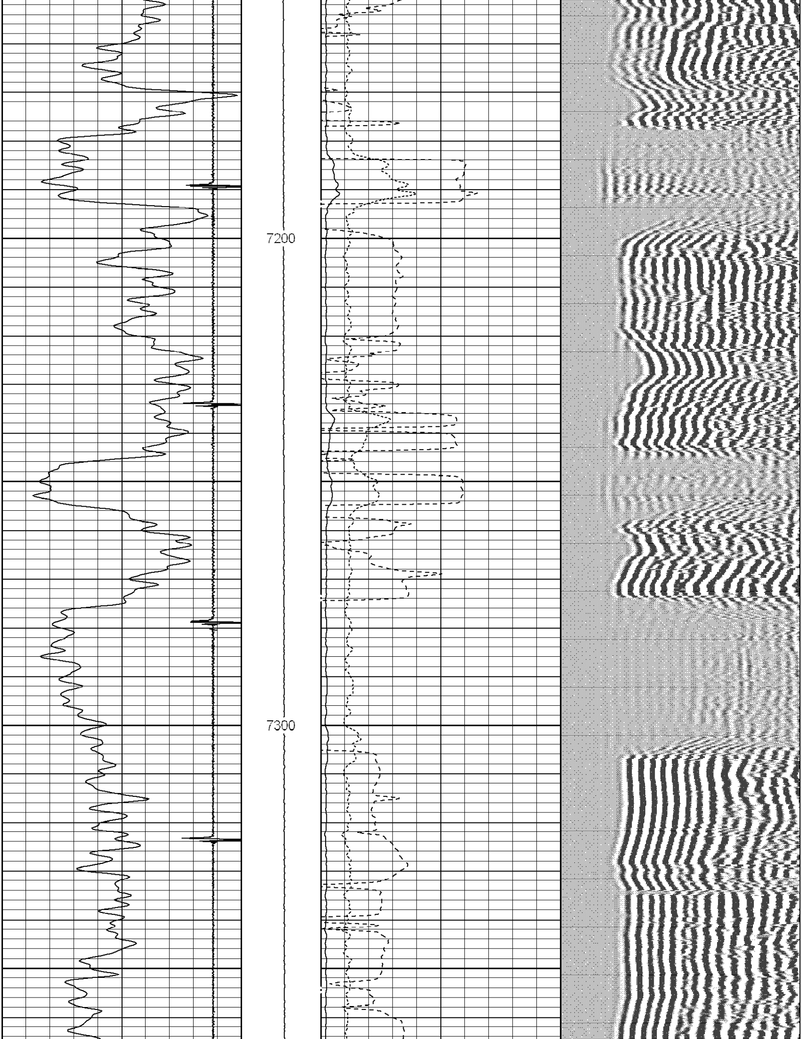


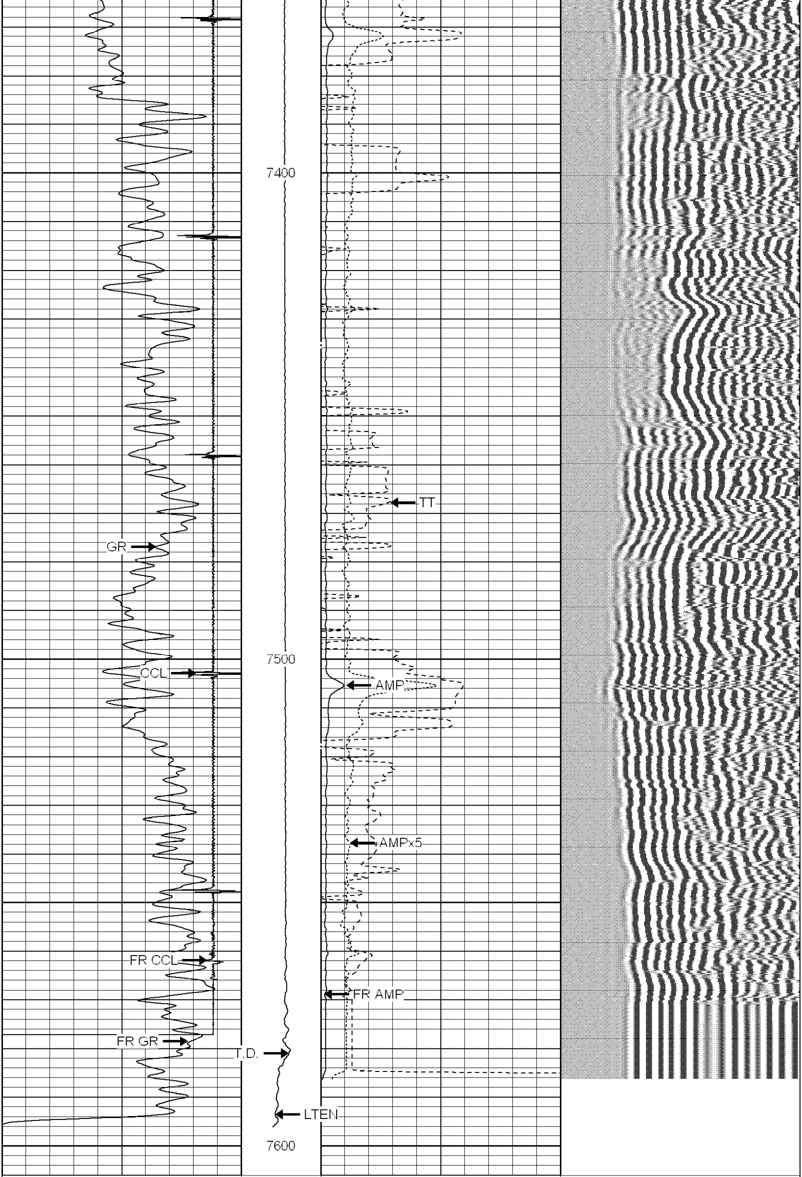












12000 CCL 19900	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)3000	0 AMP (mV) 100	
		380 TT (usec) 180	

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

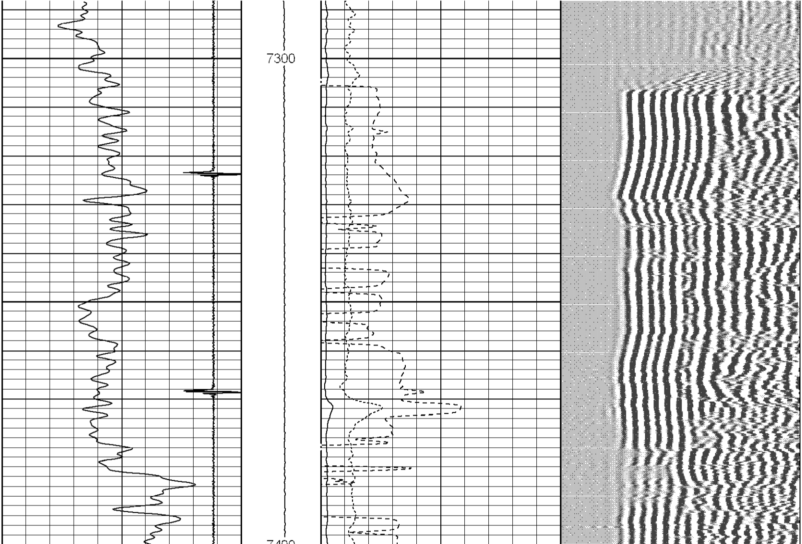
MAIN PASS

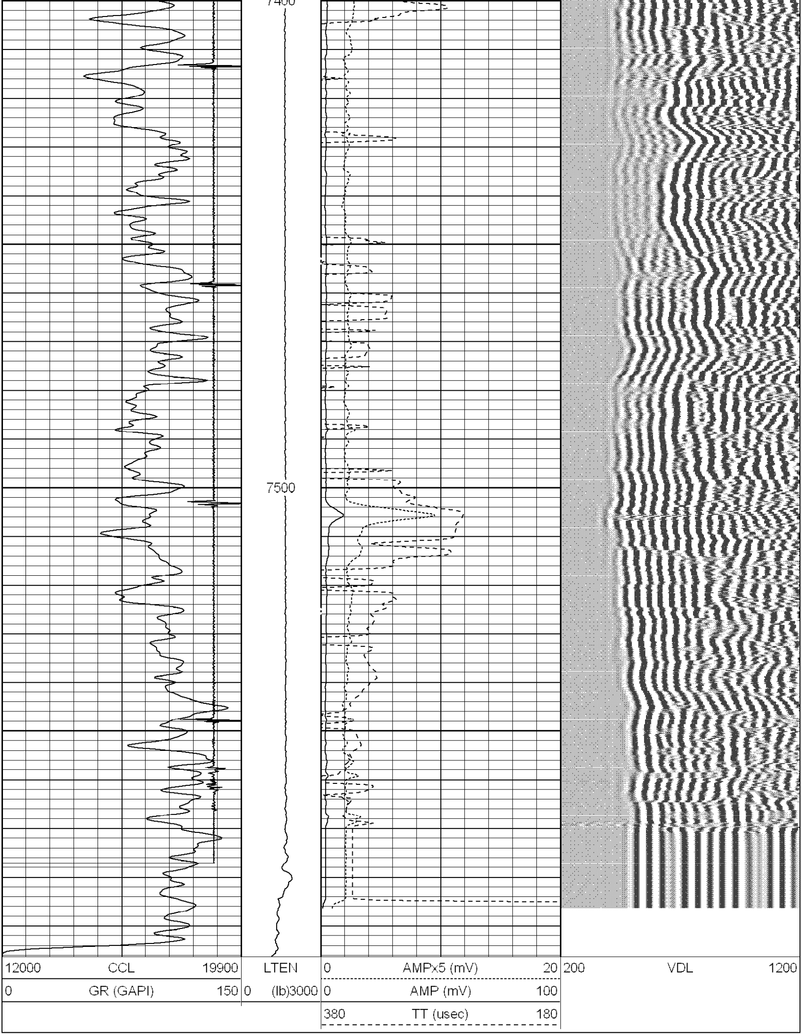
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File:	091710_barrett_ggu_fed_22b_28.db
Dataset Pathname:	repeat/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Fri Sep 17 15:14:48 2010 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240

12000 CCL 19900	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

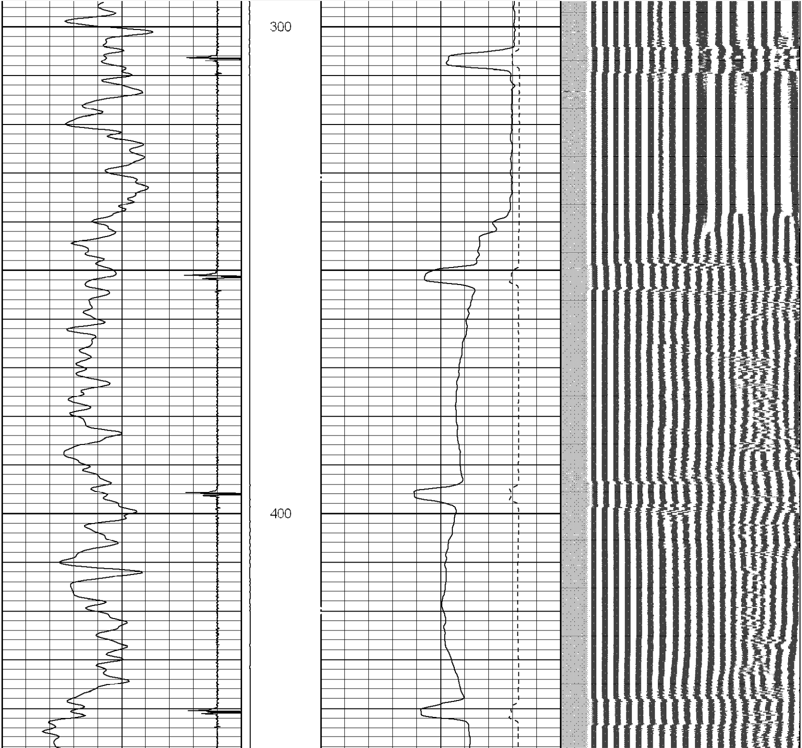
REPEAT PASS

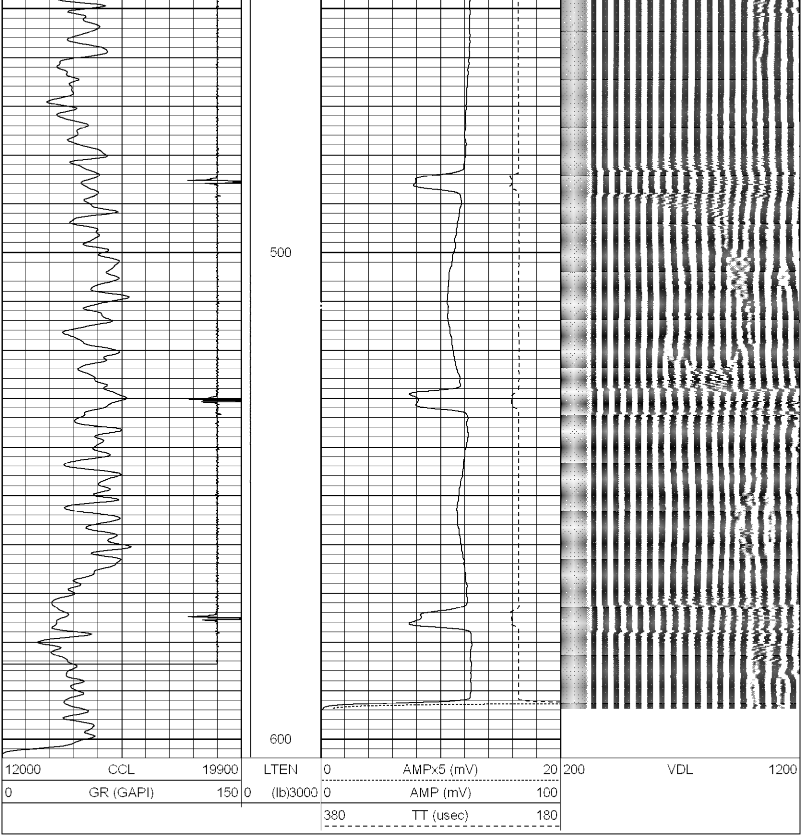
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File:	091710_barrett_ggu_fed_22b_28.db
Dataset Pathname:	freepipe/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Fri Sep 17 15:10:44 2010 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240

12000 CCL 19900 0 GR (GAPI) 150	LTEN 0 (lb)3000	0 AMPx5 (mV) 20 0 AMP (mV) 100 380 TT (usec) 180	200 VDL 1200





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ROCKY MOUNTAIN WIRELINE SERVICE

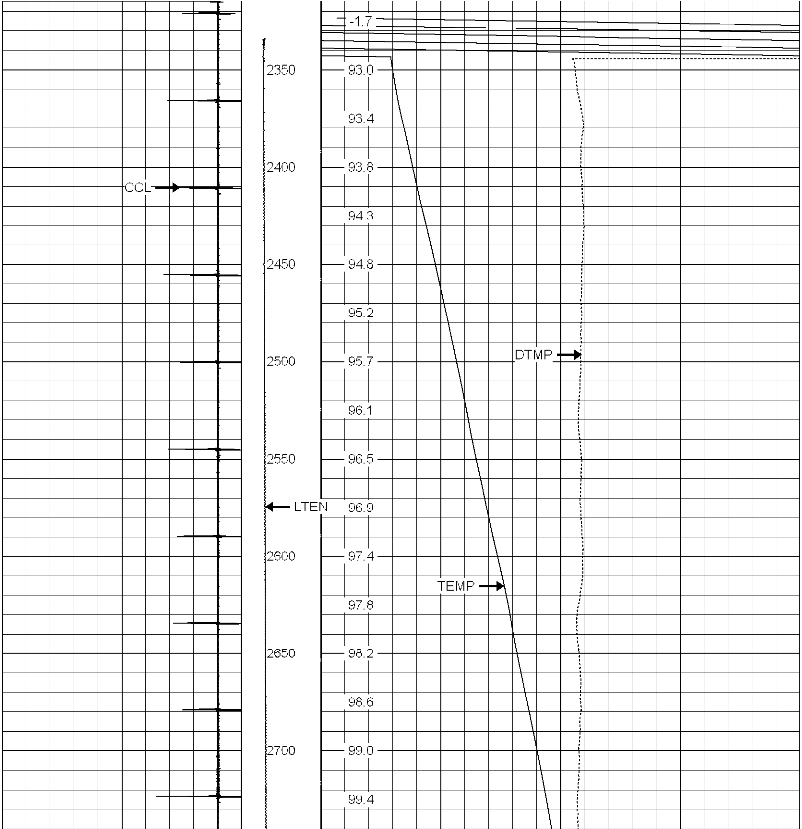
FREE PIPE PASS

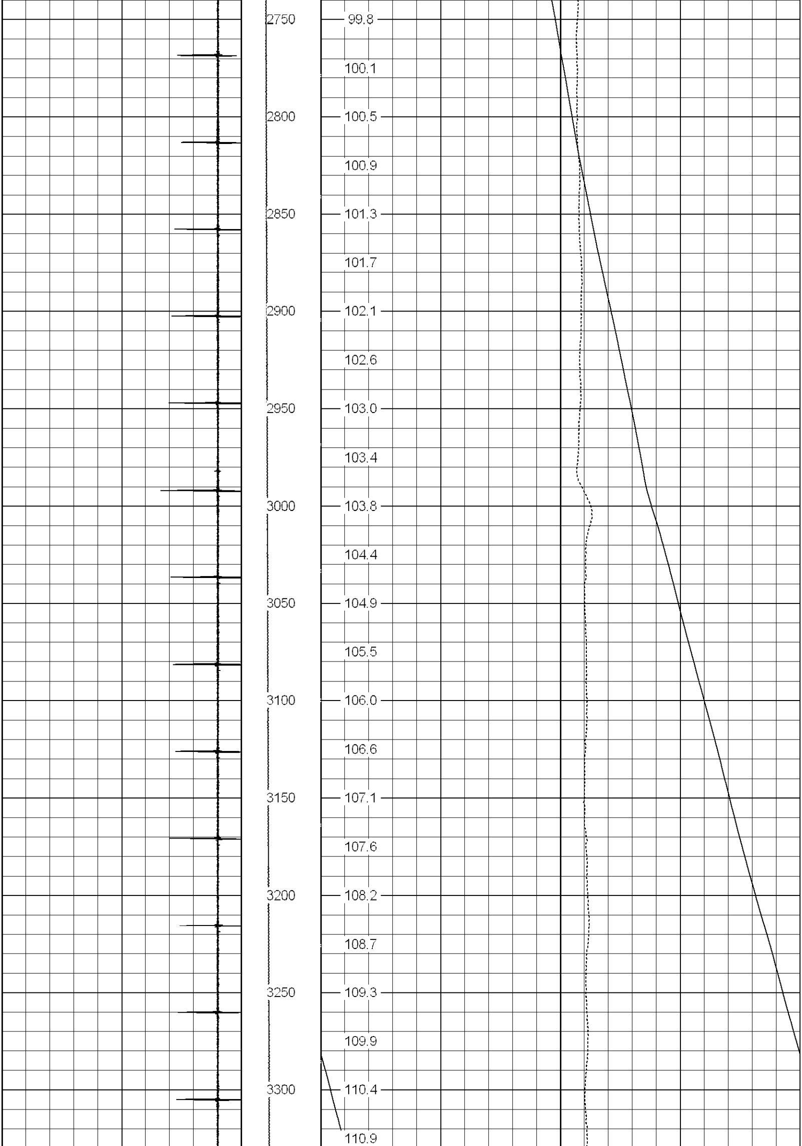
ROCKY MOUNTAIN WIRELINE SERVICE

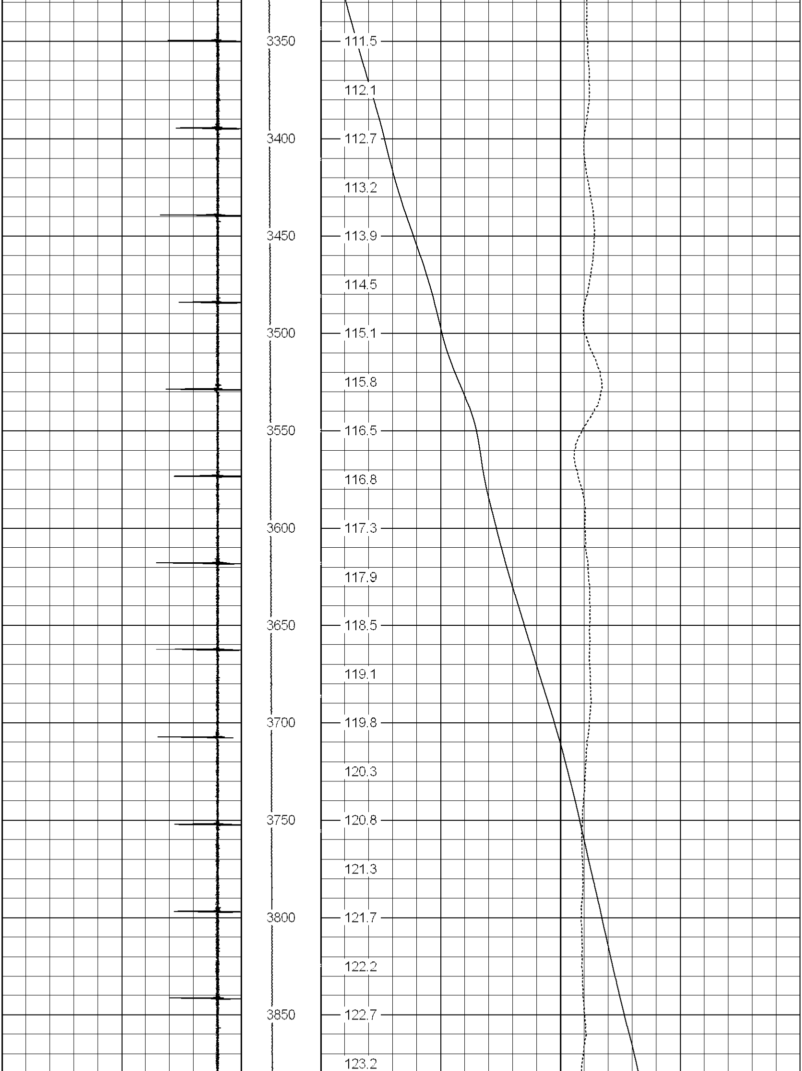
TEMP PASS

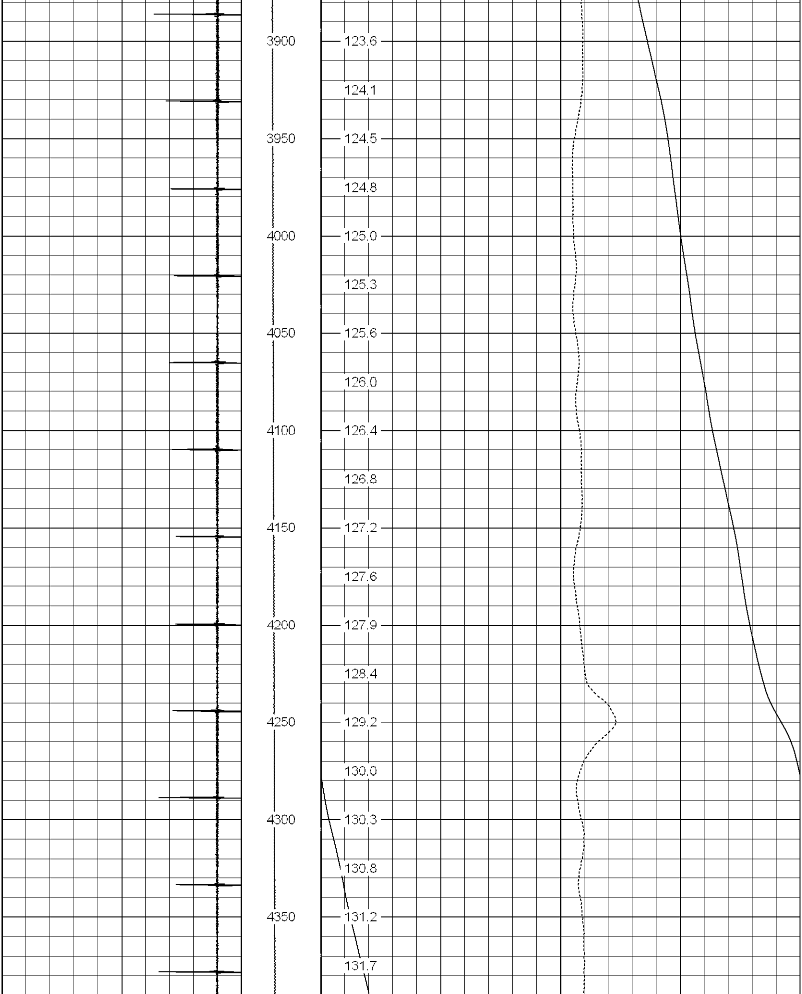
Database File:	091710_barrett_ggu_fed_22b_28.db
Dataset Pathname:	temp/pass2.1
Presentation Format:	RMWS_T~1
Dataset Creation:	Fri Sep 17 16:28:32 2010
Charted by:	Depth in Feet scaled 1:600

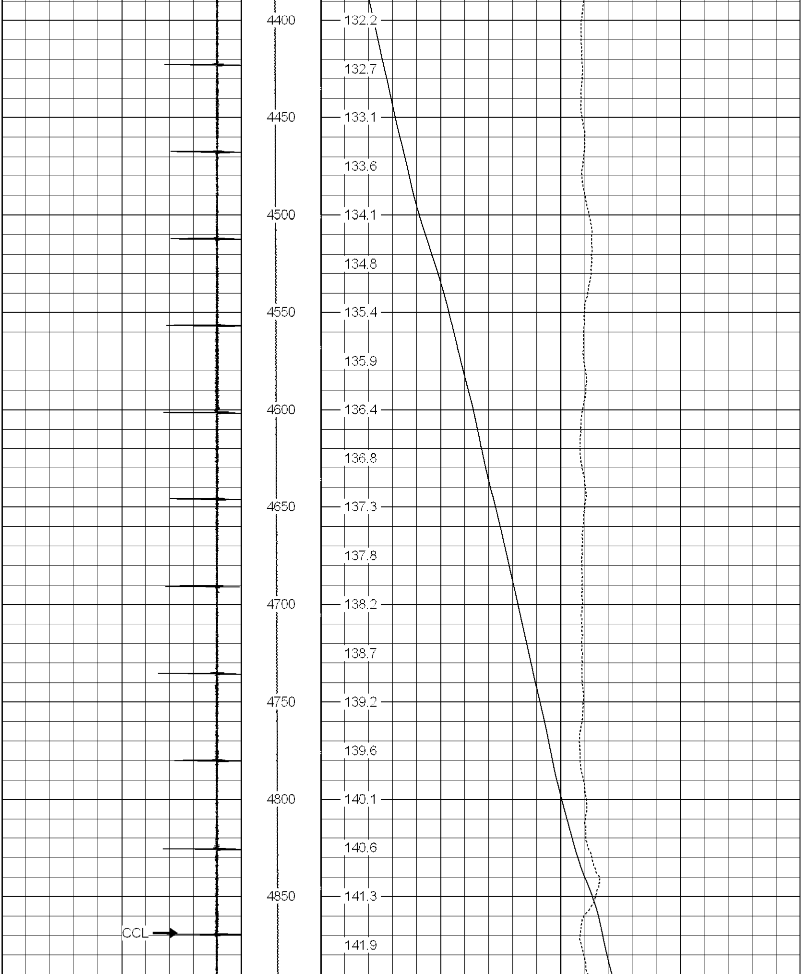
12000 CCL 19900	LTEN	70 TEMP (degF) 90
	0 (lb)2000	-0.2 DTMP (degF) 0.2
		TEMP (degF)

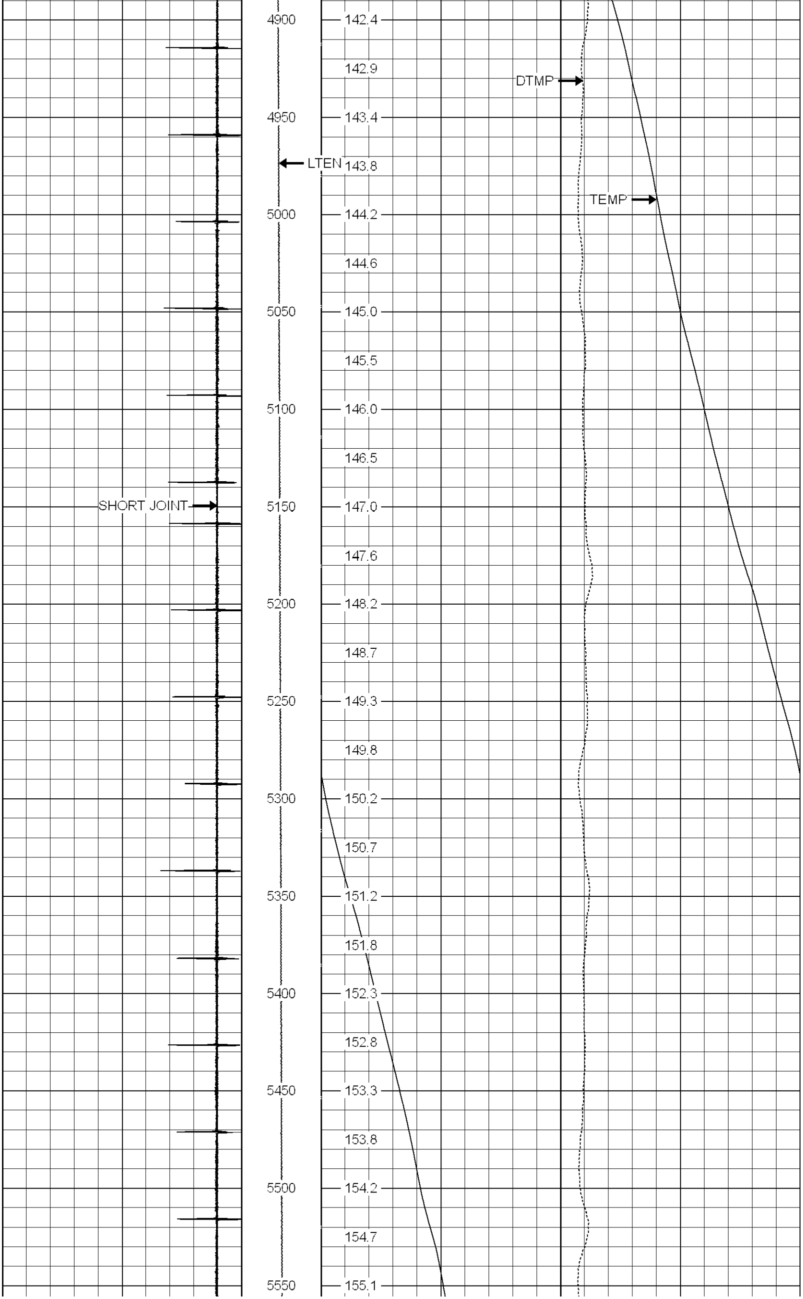












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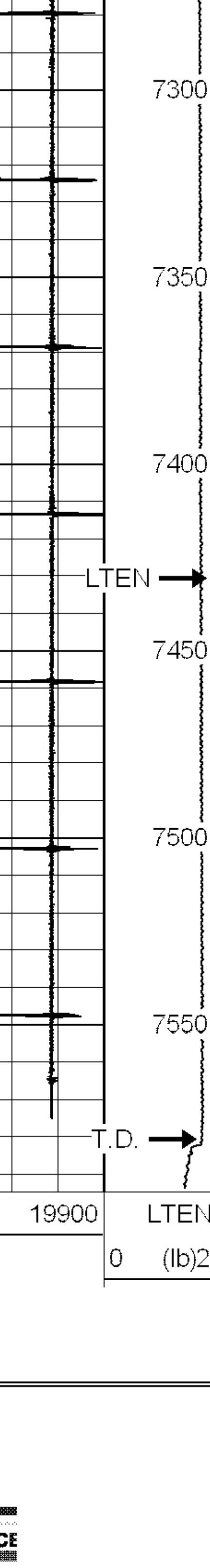
ROCKY MOUNTAIN WIRELINE SERVICE

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 (217219) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	18.97		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			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 (217692) 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:	091710_barrett_ggu_fed_22b_28.db: field/well/main/pass1.2
Total Length:	22.70 ft
Total Weight:	269.20 lb
O.D.	3.13 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 22B - 28 - 691
Field	MAMM CREEK
County	GARFIELD
State	COLORADO