RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	GGU FEDERAL 21B - 33 - 691
Field	GIBSON GULCH
County	GARFIELD
State	COLORADO
Location:	API # : 05 - 045 - 18900
	SHL: 0829' FNL & 2004' FWL
	BHL: 0857' FNL & 1990' FWL
	SEC 33 TWP 6S RGE 91W
Other Services	3.75" GAUGE RING

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

Elevation
K.B. 6375'
D.F. 6374'
G.L. 6352'

Date	09 - 07 - 2010		
Run Number	ONE		
Depth Driller	8000'		
Present Depth Driller	NA		
Depth Logger	7927'		
Bottom Logged Interval	7925'		
Top Log Interval	1950'		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	217.5° F		
Estimated Cement Top	2706'		
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"	830'	4259'	9.625"	36#	SURFACE	830'
TWO	7.880"	4259'	8000'	4.5"	11.6#	SURFACE	8000'

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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 7-16-10
SHORT JOINTS: 5348' TO 5369' & 6762' TO 6783'
MAIN PASS: 5" = 100'
TEMP PASS: 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: 090710_barrett_ggu_fed_21b_33.db
Dataset Pathname: main/pass2.2
Dataset Creation: Wed Sep 08 17:01:32 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:	224.887	ft

Master Calibration, performed Tue Sep 07 17:37:35 2010:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	0.965	1.000	81.196	78.979	0.994
5FT	-0.001	0.970	1.000	81.196	76.679	0.994
S1	0.004	1.035	0.000	100.000	96.973	-0.411
S2	0.004	0.989	0.000	100.000	101.508	-0.366
S3	0.007	0.929	0.000	100.000	108.472	-0.783
S4	0.005	0.929	0.000	100.000	108.171	-0.528
S5	0.006	0.940	0.000	100.000	107.140	-0.688
S6	0.006	0.974	0.000	100.000	103.335	-0.628
S7	0.007	0.987	0.000	100.000	102.121	-0.747
S8	0.007	1.010	0.000	100.000	99.770	-0.725

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

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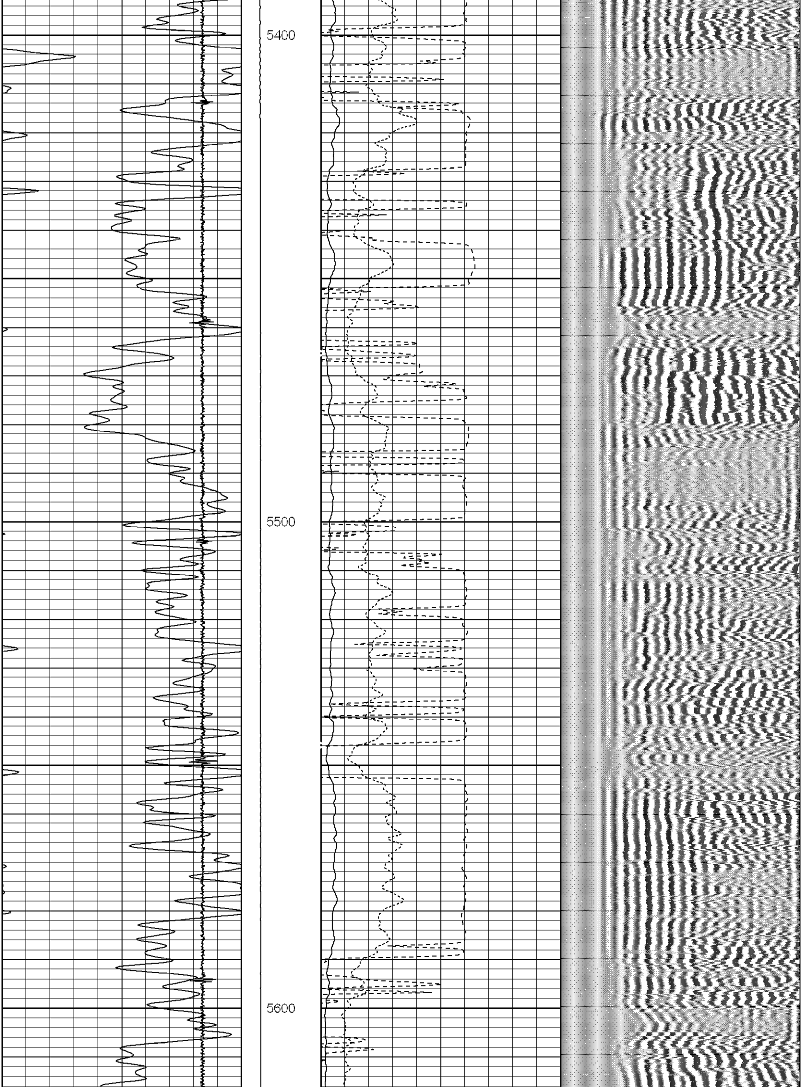
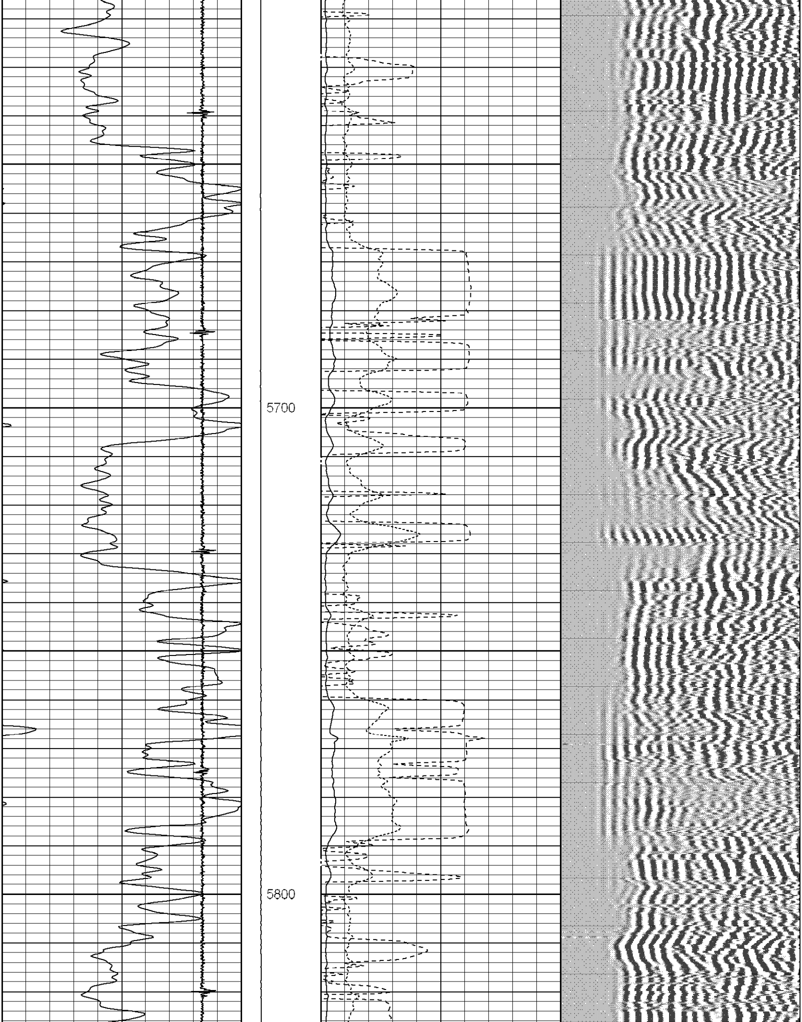
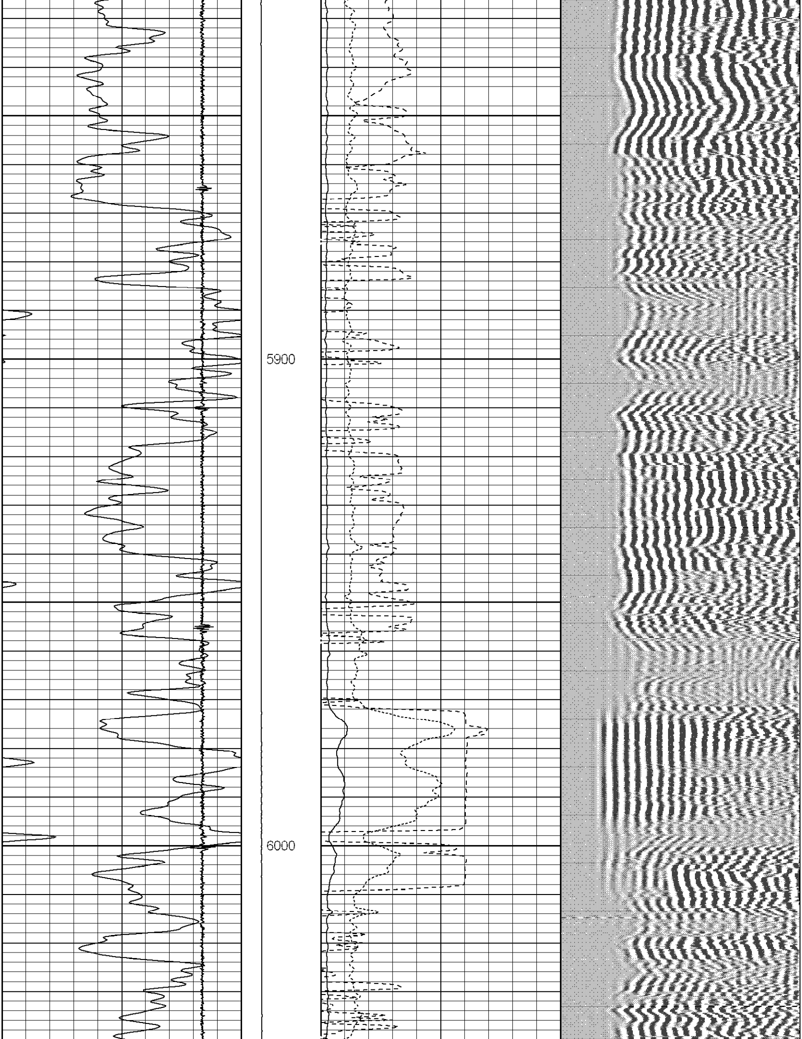
MAIN PASS

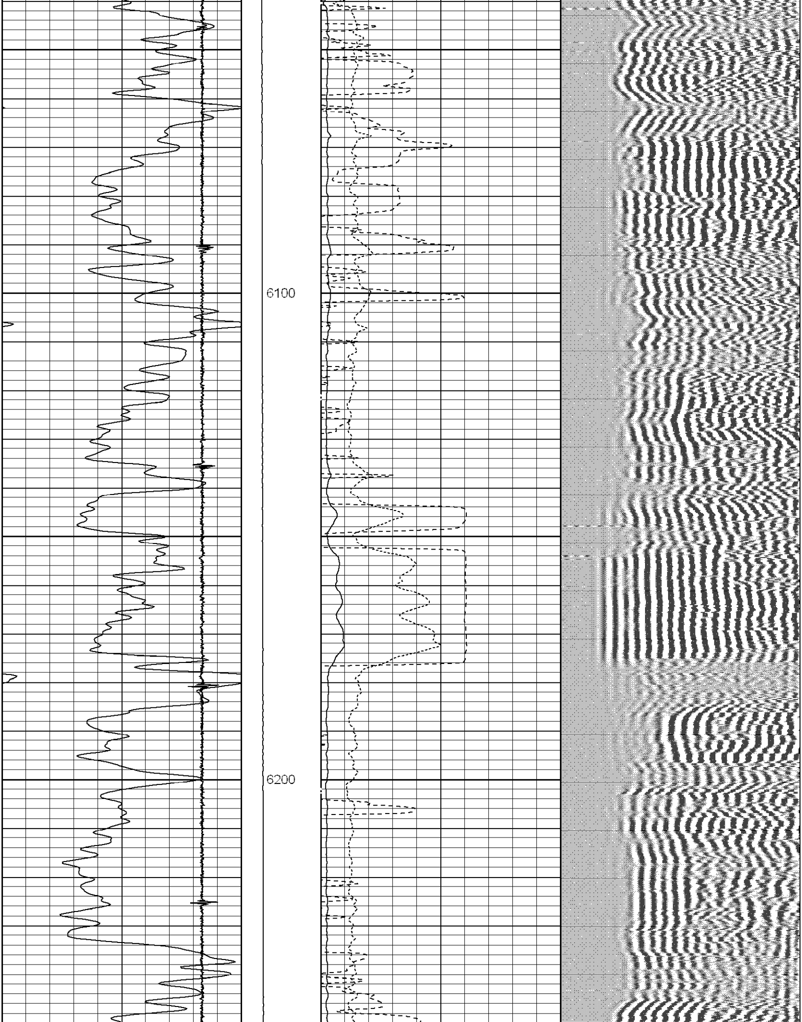
Database File: 090710_barrett_ggu_fed_21b_33.db
Dataset Pathname: main/pass2.2
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 17:01:32 2010
Charted by: Depth in Feet scaled 1:240

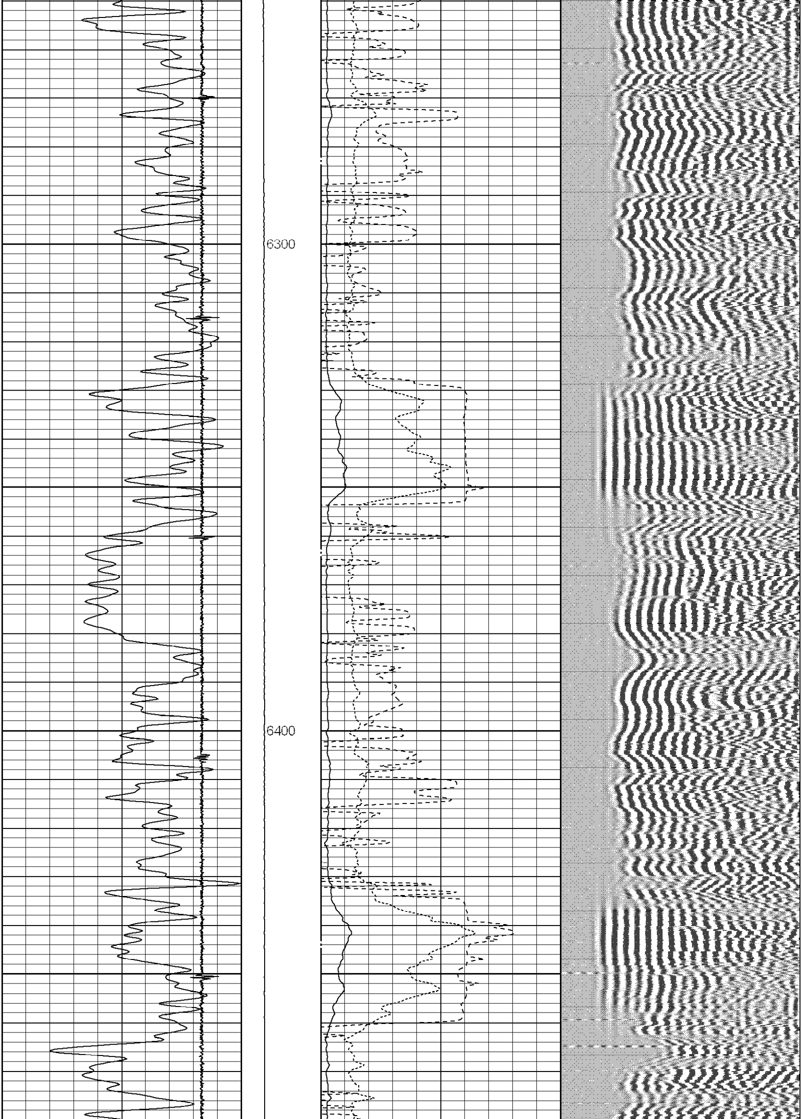
16500 CCL 19100	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb) 2000	0 AMP (mV) 100	
		380 TT (usec) 180	

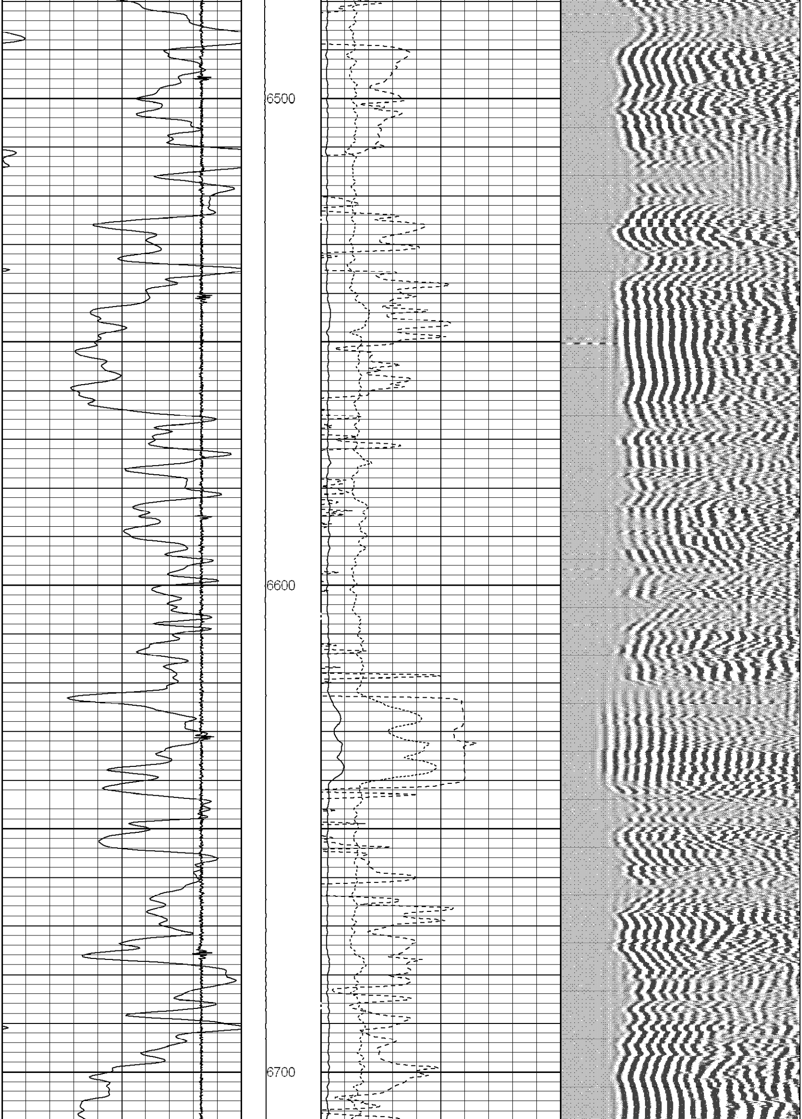


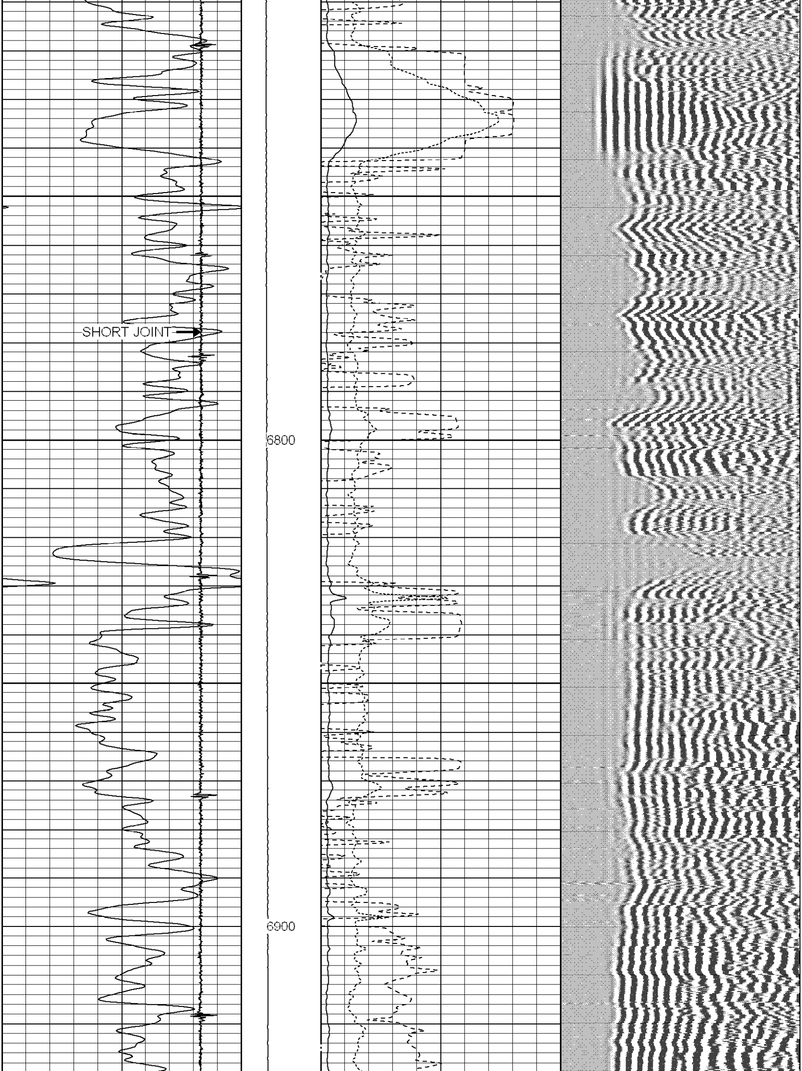


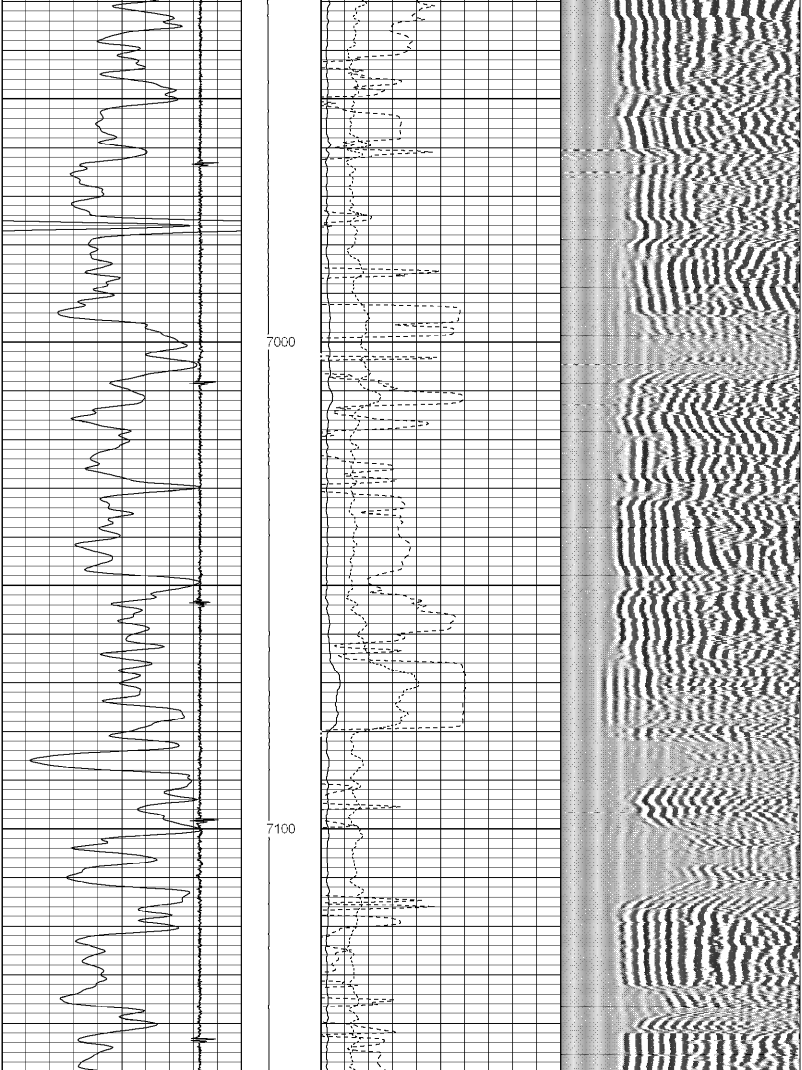


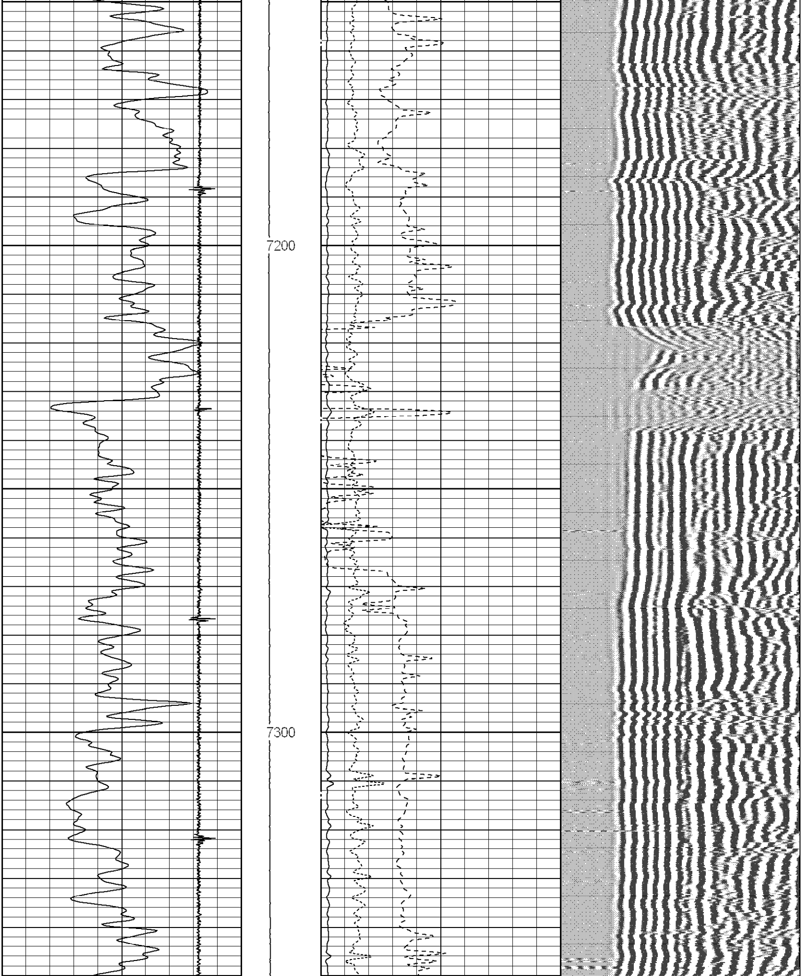


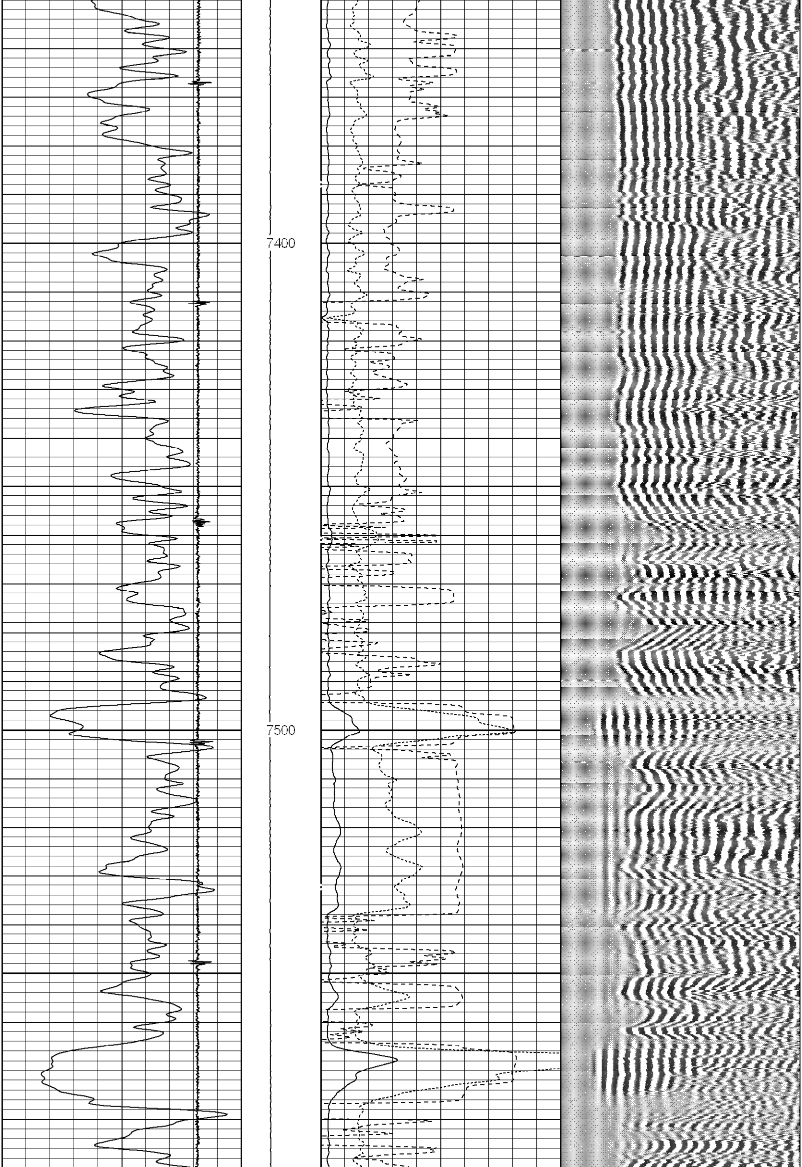


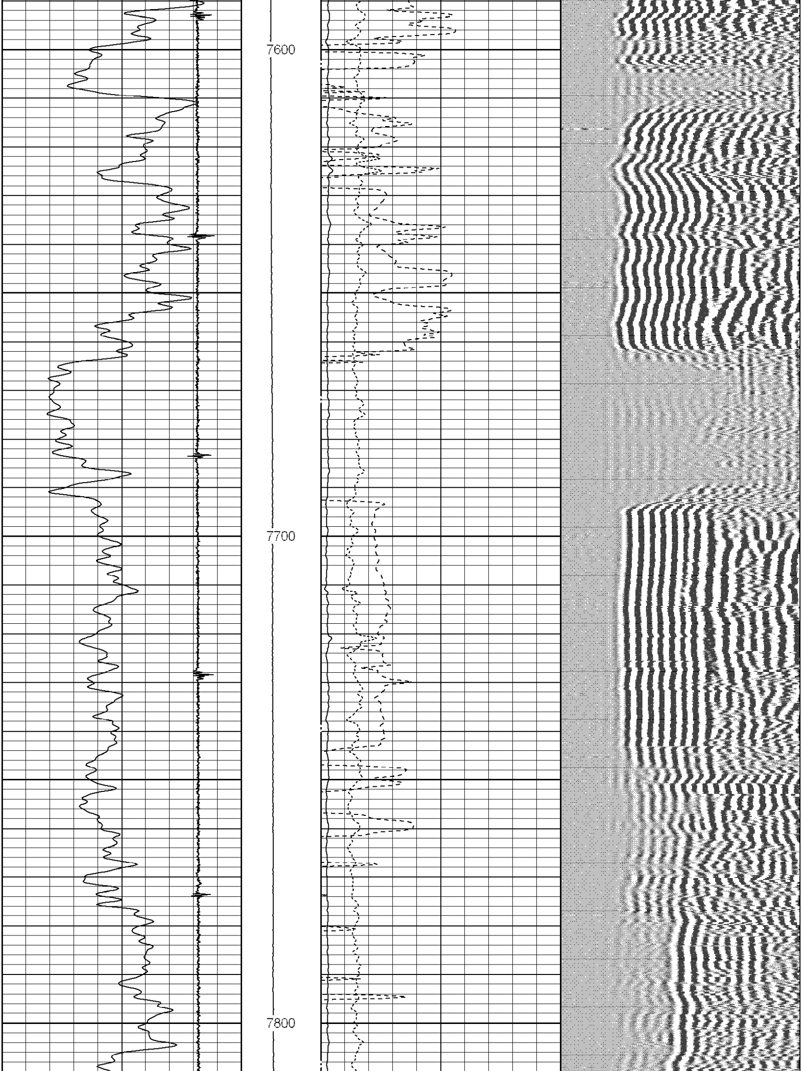


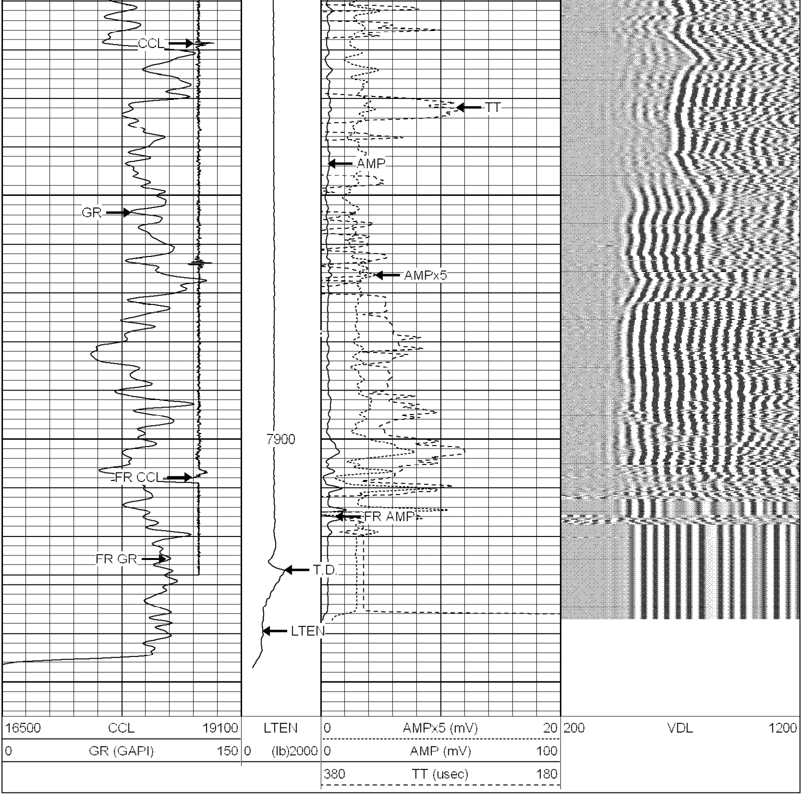












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MAIN PASS

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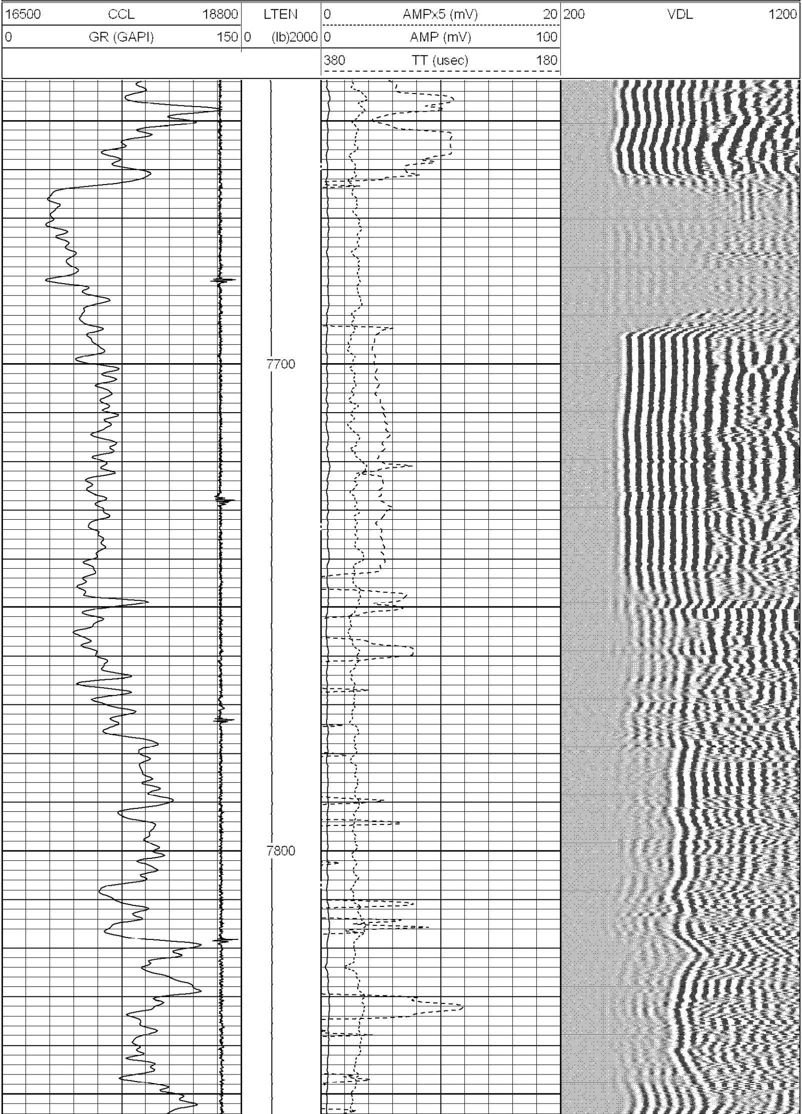
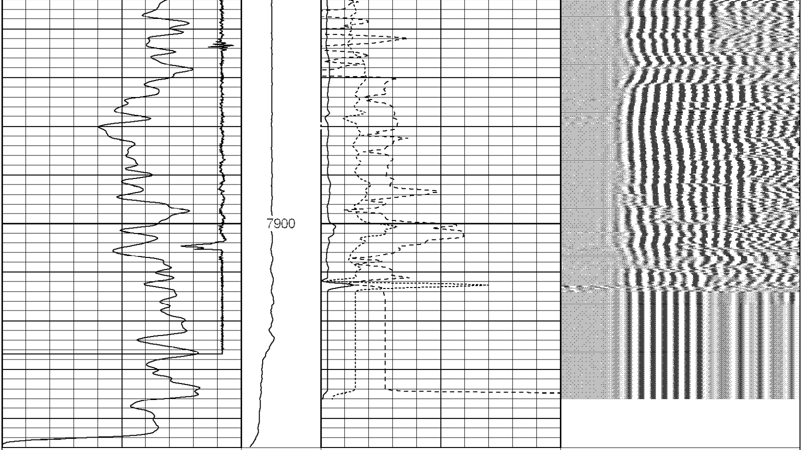
REPEAT PASS

Database File:	090710_barrett_ggu_fed_21b_33.db
Dataset Pathname:	repeat/pass1.1
Presentation Format:	rmws_dsc
Dataset Creation:	Wed Sep 08 16:51:06 2010 by Calc Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240





16500 CCL 18800	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)2000	0 AMP (mV) 100	
		380 TT (usec) 180	

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REPEAT PASS

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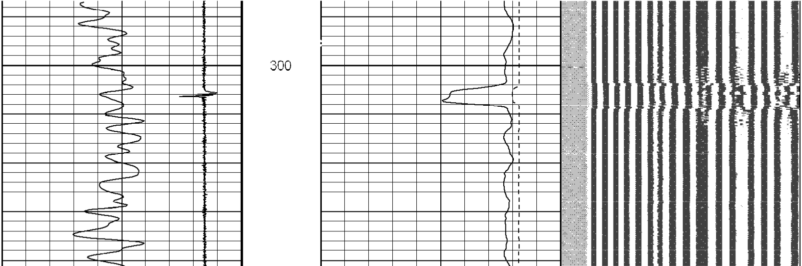
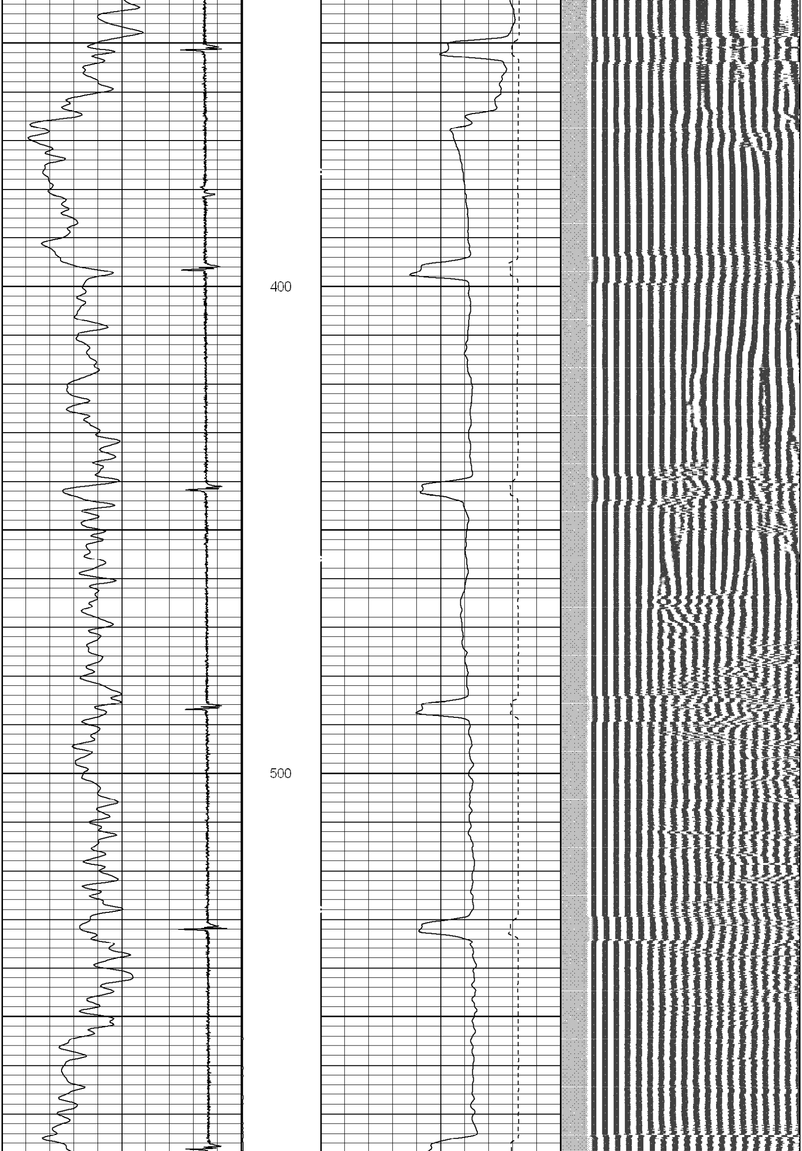
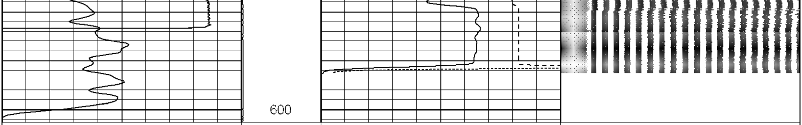
FREE PIPE PASS

Database File: 090710_barrett_ggu_fed_21b_33.db
Dataset Pathname: freepipe/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Wed Sep 08 16:46:18 2010 by Calc Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

16500 CCL 18800	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb)2000	0 AMP (mV) 100	
		380 TT (usec) 180	







16500	CCL	18800	LTEN	0	AMPx5 (mV)	20	200	VDL	1200
0	GR (GAPI)	150	0 (lb)2000	0	AMP (mV)	100			
				380	TT (usec)	180			

ROCKY MOUNTAIN WIRELINE SERVICE

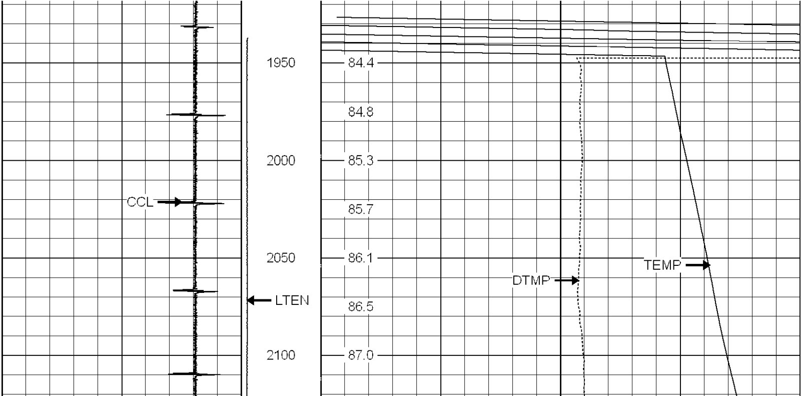
FREE PIPE PASS

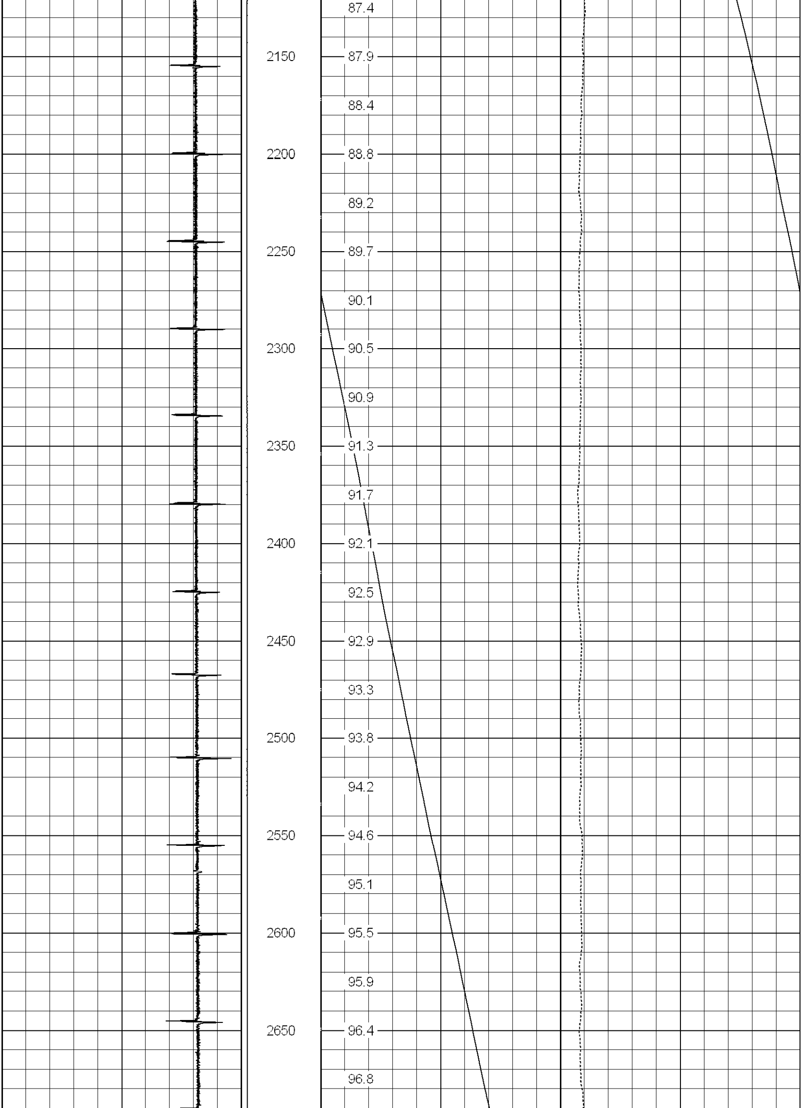
ROCKY MOUNTAIN WIRELINE SERVICE

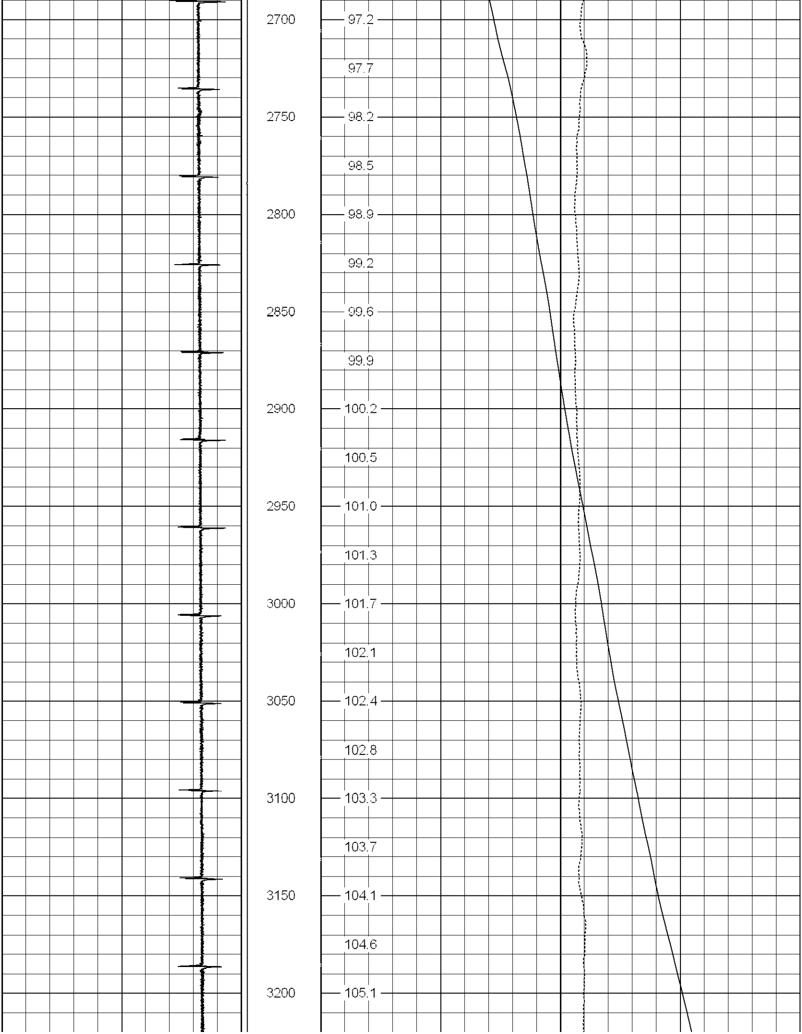
TEMP PASS

Database File:	090710_barrett_ggu_fed_21b_33.db
Dataset Pathname:	temp/pass1.1
Presentation Format:	RMWS_T~1
Dataset Creation:	Wed Sep 08 17:39:11 2010
Charted by:	Depth in Feet scaled 1:600

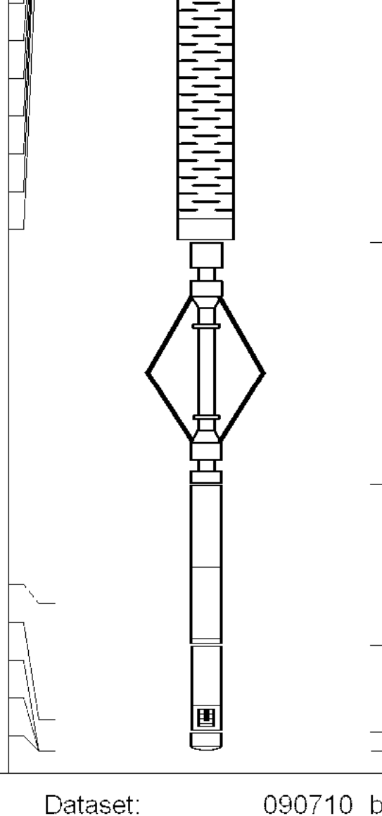
16500	CCL	18800	LTEN	70	TEMP (degF)	90
			0 (lb)2000	-0.2	DTMP (degF)	0.2
				TEMP (degF)		







TEMP PASS



Sensor	Offset (ft)	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 TSTAMP	0.37 0.00	PRT-016 (216611) Platinum Resistance Thermometer	1.04	1.69	6.00
ITEMPX HVOLTX	0.00 0.00	BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	090710_barrett_ggu_fed_21b_33.db: field/well/main/pass2.2
Total Length:	22.62 ft
Total Weight:	242.20 lb
O.D.:	3.13 in

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