ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION
Well	GGU DALEY 31A - 30 - 691
Field	GIBISON GULCH
County	GARFIELD
State	COLORADO
API #:	05-045-19579
Location:	SHL: 0236' FSL & 2019' FWL BHL: 1180' FNL & 1984' FEL
Other Services	GAUGE RING 3.75"
SEC	19
TWP	6S
RGE	91W
Permanent Datum	G.L.
Elevation	5824'
Log Measured From	K.B.
Ft Above PD	23'
Drilling Measured From	K.B.
Elevation	K.B. 5847' D.F. 5846' G.L. 5824'
Date	06 - 24 - 2011
Run Number	ONE
Depth Driller	7775'
Present Depth Driller	7711'
Depth Logger	7711'
Bottom Logged Interval	7711'
Top Log Interval	1400'
Fluid Level	SURFACE
Type Fluid	WATER
Max. Recorded Temp.	209.6°F
Estimated Cement Top	2000'
Equipment Number	209
Location	GRAND JCT.
Recorded By	HARRIS
Witnessed By	MR. BEAUXIS

Run Number	Borehole Record Bit	From	To	Casing Record Size	Weight	From	To
ONE	8.75"	847'	5492'	9.625"	36#	SURFACE	847'
TWO	7.875"	5492'	7775'	4.5"	11.6#	SURFACE	7775'

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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: THIS LOG WAS DEPTH CORRELATED TO THE WEATHERFORD OH LOG DATED 4-14-11
SHORT JOINTS AT 4711' - 4741' AND 6320' - 6341'
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = STATIC

Calibration Report

Database File: C:\Warrior\Data\BBC_DALEY\31A\062511_ggu_daley_31A.db
Dataset Pathname: MAIN/pass1
Dataset Creation: Sun Jun 26 20:51:11 2011

Temperature Calibration Report

Serial Number: 217894
Tool Model: 016
Performed: Fri Oct 24 13:23:59 2008

Point #	Reading		Reference	
1	13298.00	cps	75.97	degF
2	17844.00	cps	104.32	degF
3	29434.00	cps	175.71	degF
4	41028.00	cps	246.70	degF
5	52674.00	cps	317.75	degF
6	58555.00	cps	353.61	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: AJD00166
Tool Model: 020
Performed: Thu Jul 30 19:58:24 2009

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: 1122
Tool Model: 004

Calibration Casing Diameter: 4.500 in
Calibration Depth: 106.192 ft

Master Calibration, performed Sat Jun 25 03:04:25 2011:

	Raw (v) Zero	Raw (v) Cal	Calibrated (mv) Zero	Calibrated (mv) Cal	Results Gain	Results Offset
3FT	0.000	1.071	0.000	81.196	75.817	2.000
5FT	0.000	0.920	0.000	81.196	88.234	0.000
S1	0.000	1.101	0.000	100.000	90.867	0.000
S2	0.000	1.121	0.000	100.000	89.200	0.000
S3	0.000	1.060	0.000	100.000	94.379	0.000
S4	0.000	1.051	0.000	100.000	95.149	0.000
S5	0.000	1.057	0.000	100.000	94.567	0.000
S6	0.000	1.072	0.000	100.000	93.310	0.000
S7	0.000	1.096	0.000	100.000	91.245	0.000
S8	0.000	1.095	0.000	100.000	91.342	0.000

Calibration Report

Serial Number: 1122
Tool Model: 004
Performed:

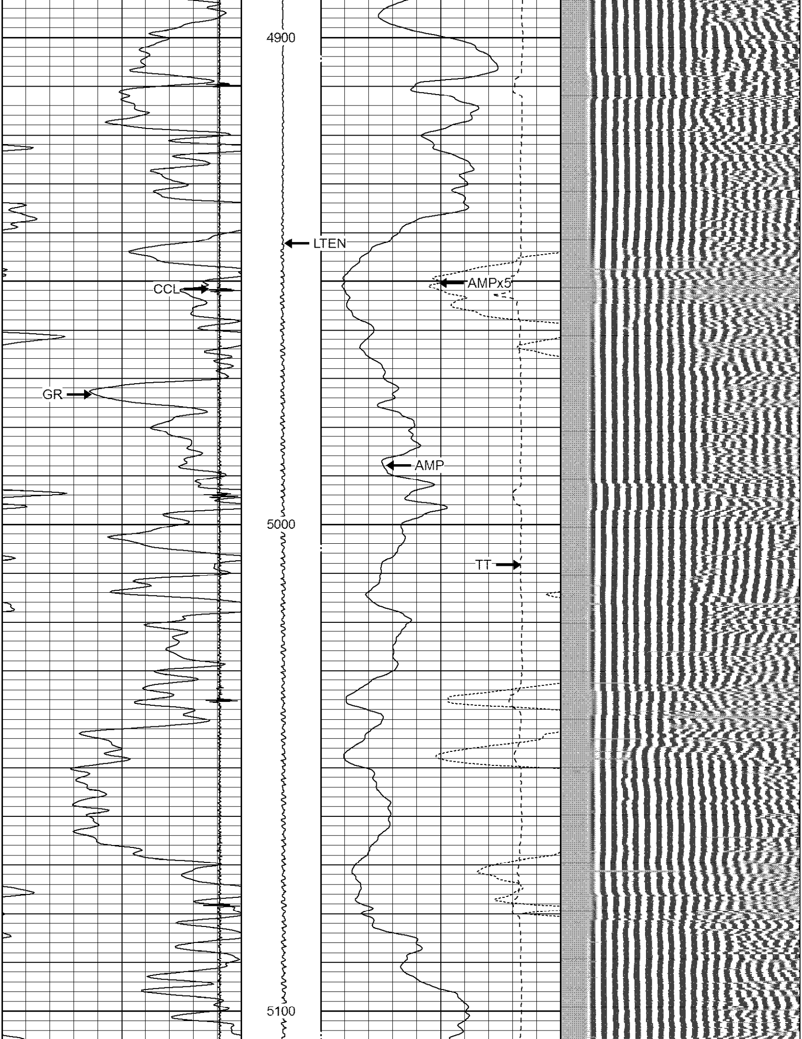
	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

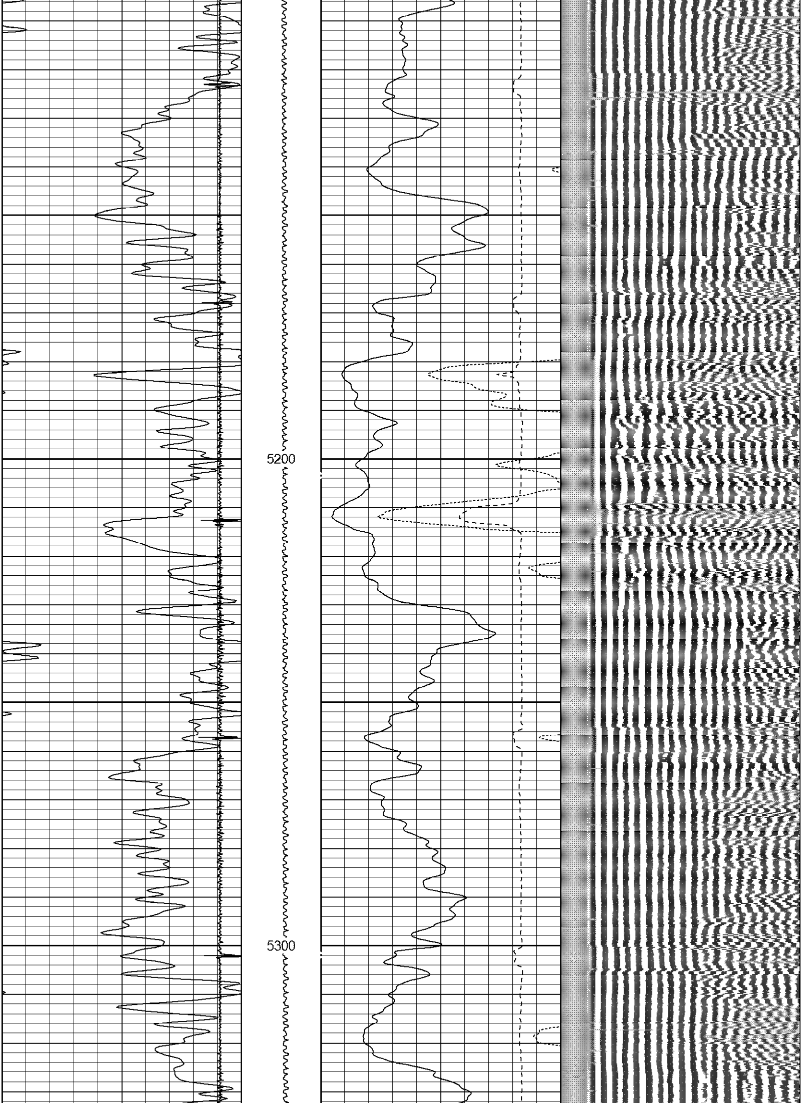
ROCKY MOUNTAIN WIRELINE SERVICE

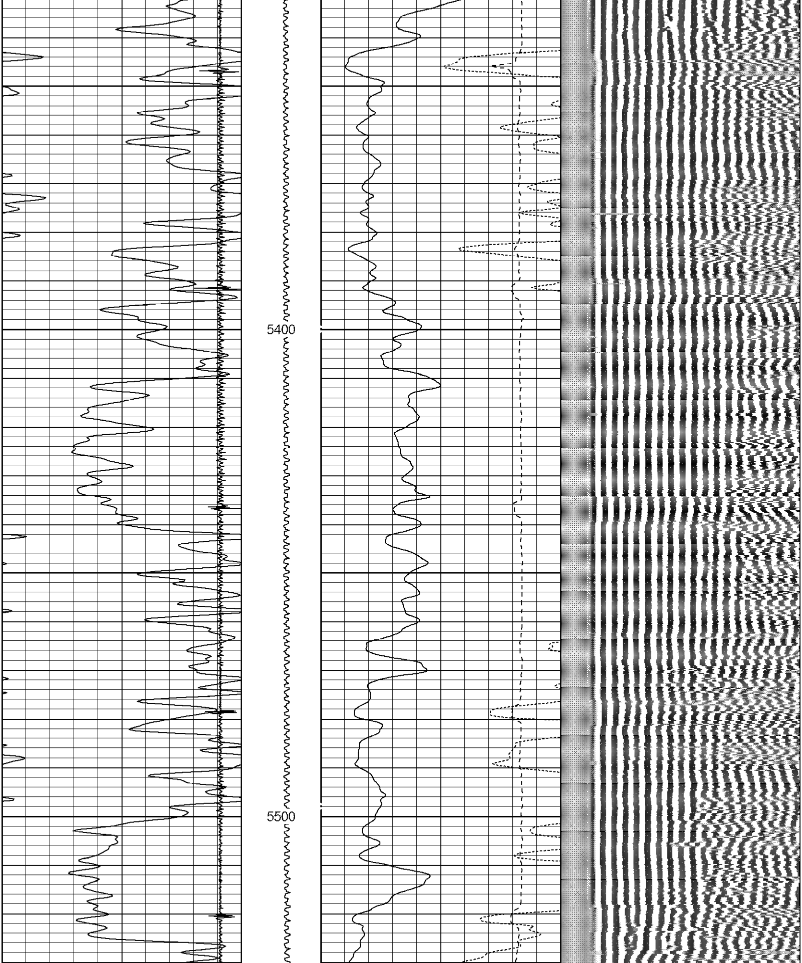
MAIN PASS

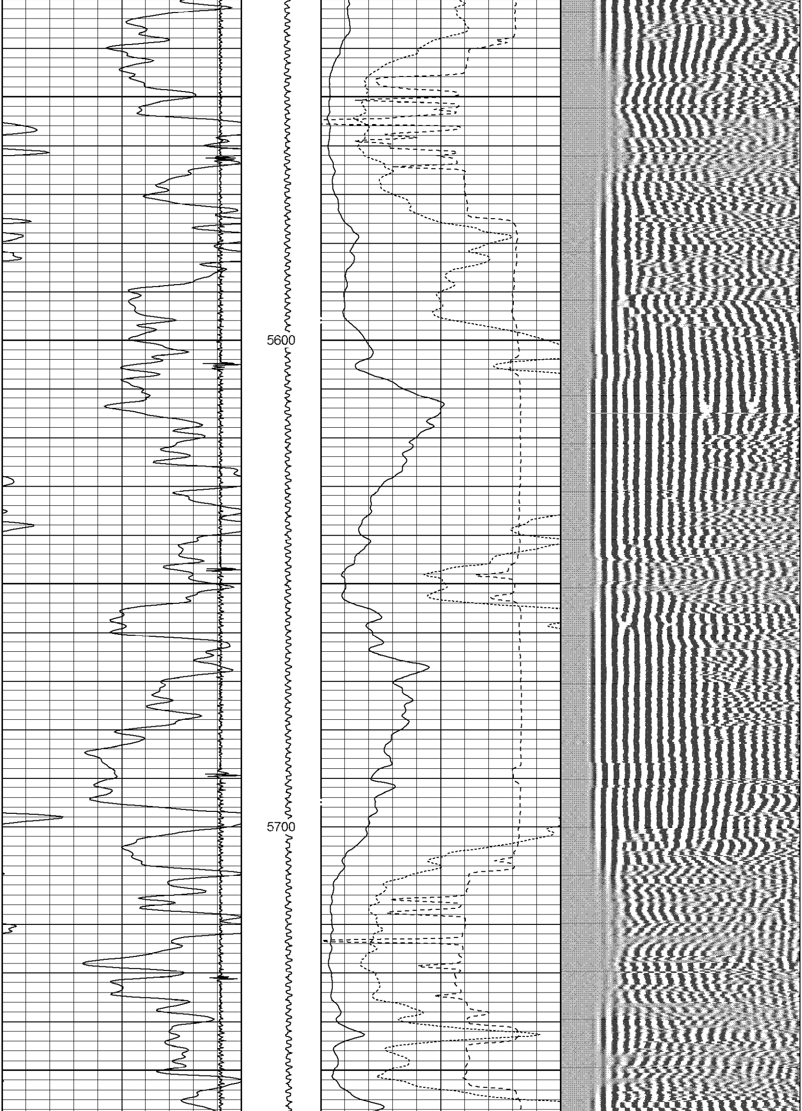
Database File: c:\warrior\data\bbc_daley\31a\062511_ggu_daley_31a.db
Dataset Pathname: MAIN/pass1
Presentation Format: rmws_dsc
Dataset Creation: Sun Jun 26 20:51:11 2011
Charted by: Depth in Feet scaled 1:240

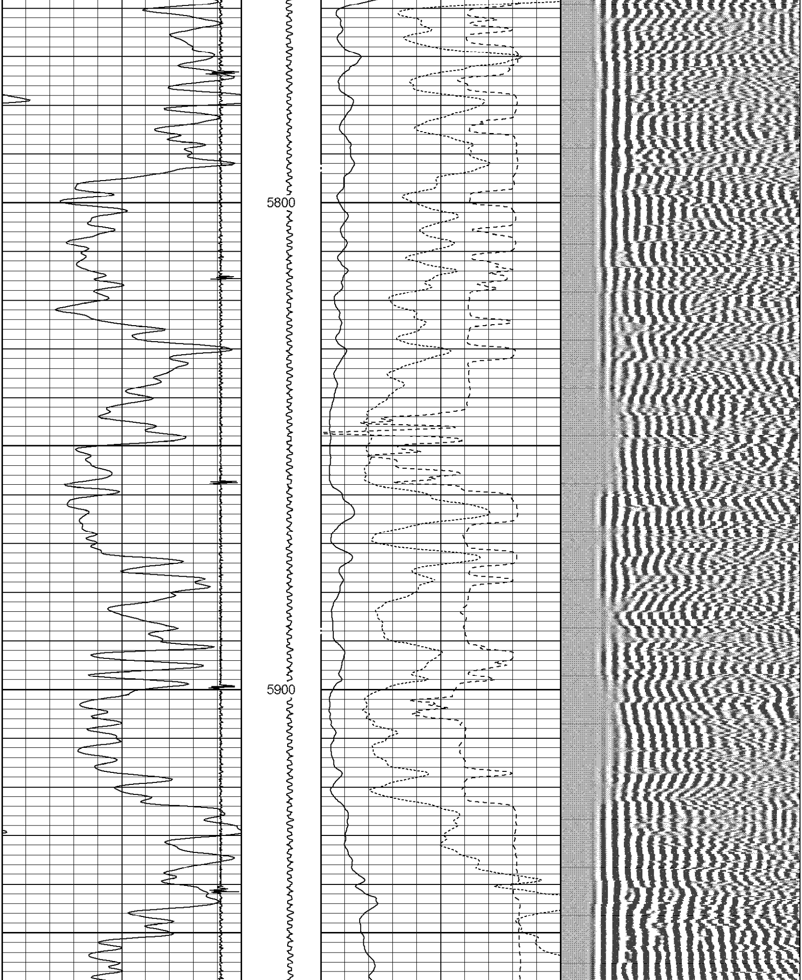
14000 Collar Locator 19600	LTEN	0 AMP AMPLITUDE (mV) 20	200 VDL 1200	
0 Gamma Ray (GAPI) 150	0 (lb) 2000	0 AMPLITUDE (mV) 100		
		380 TRAVEL TIME (usec) 180		

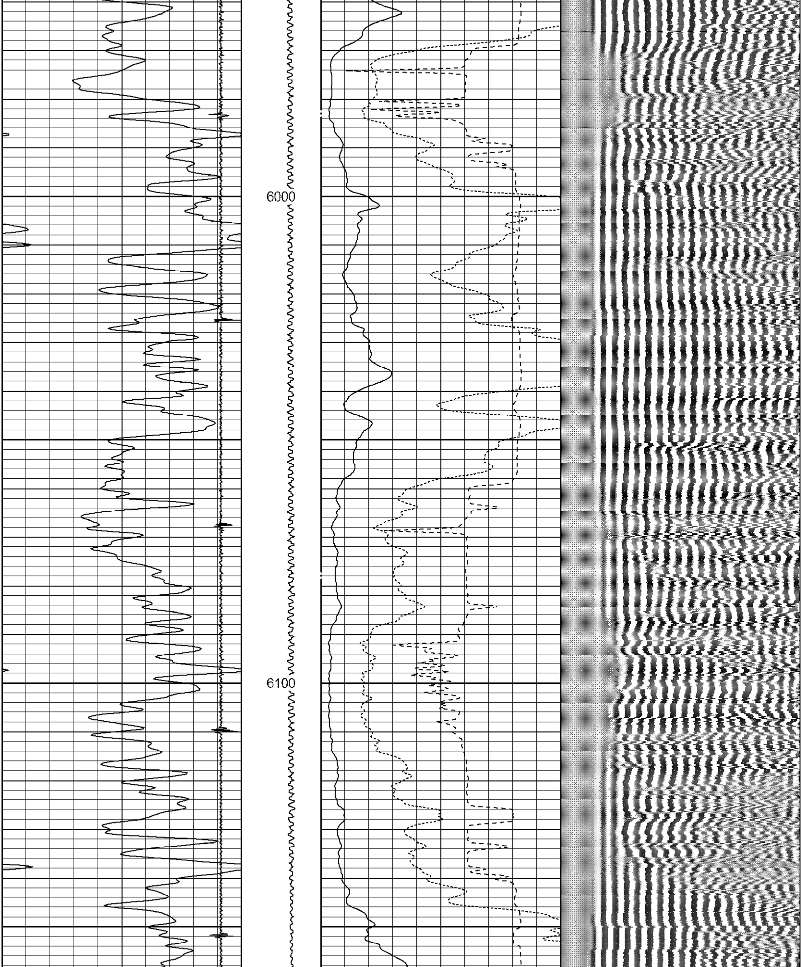


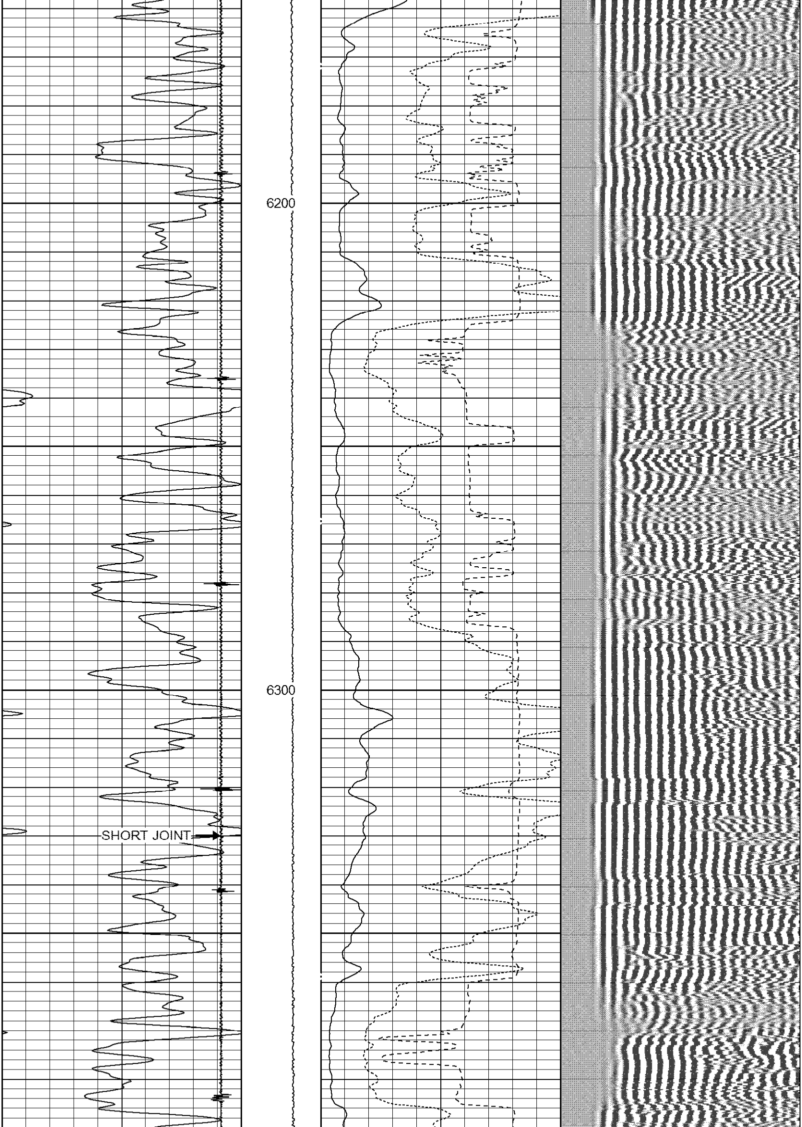


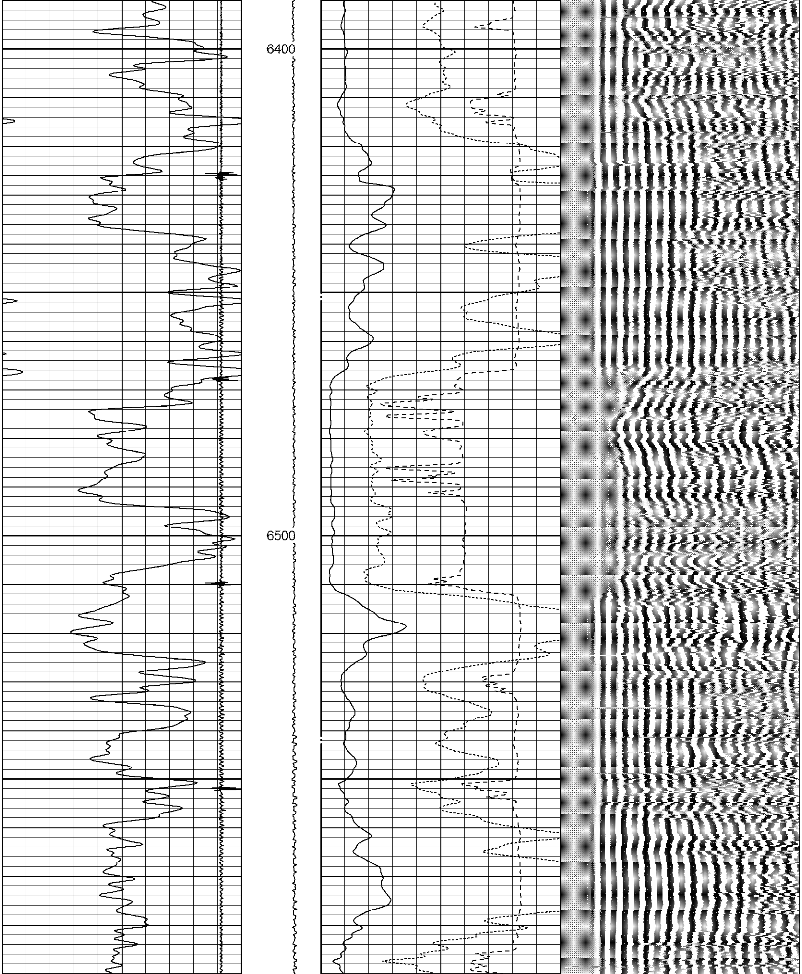


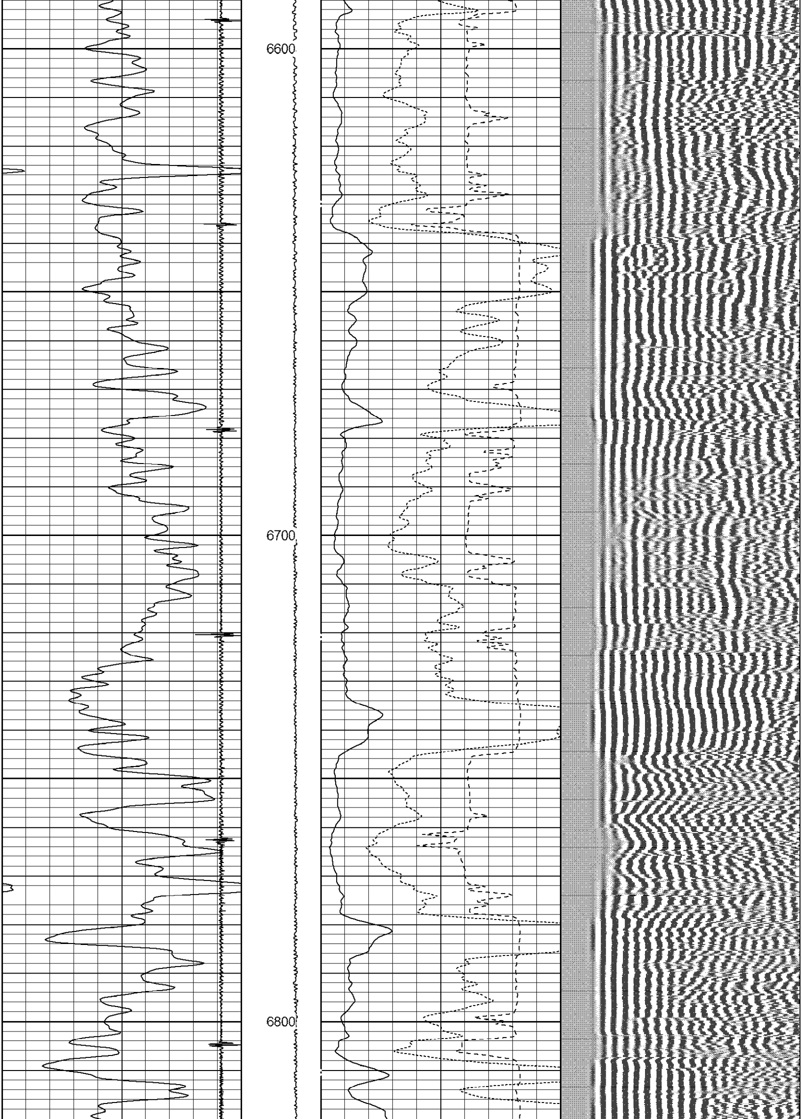


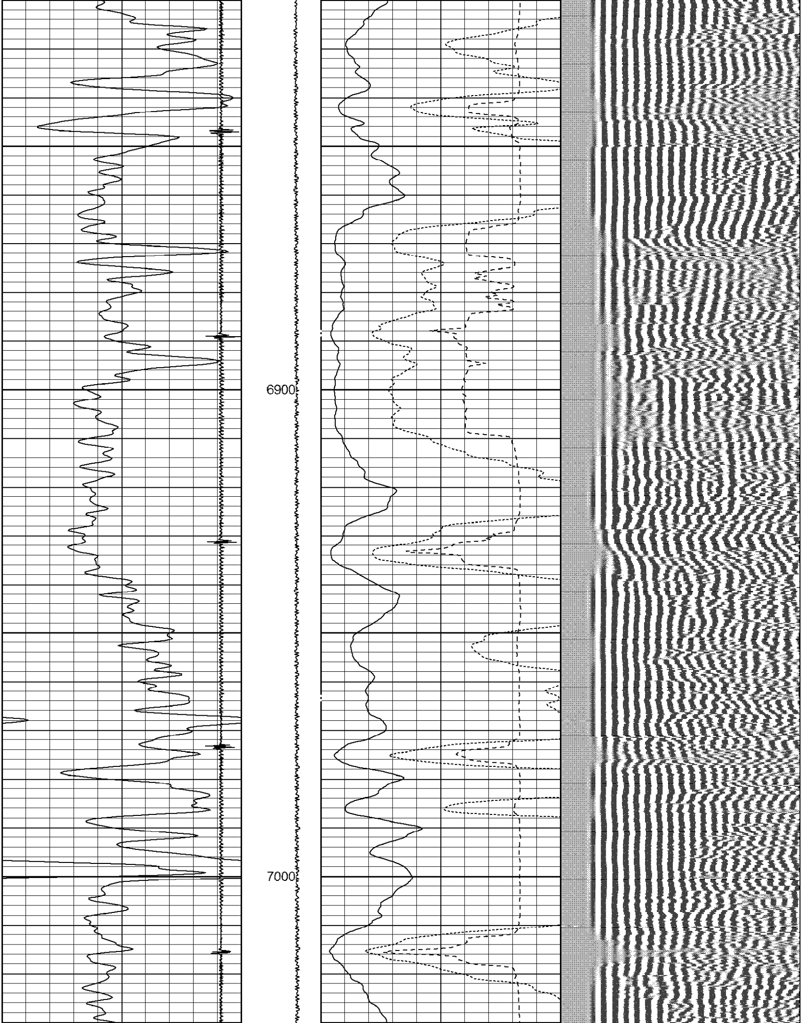


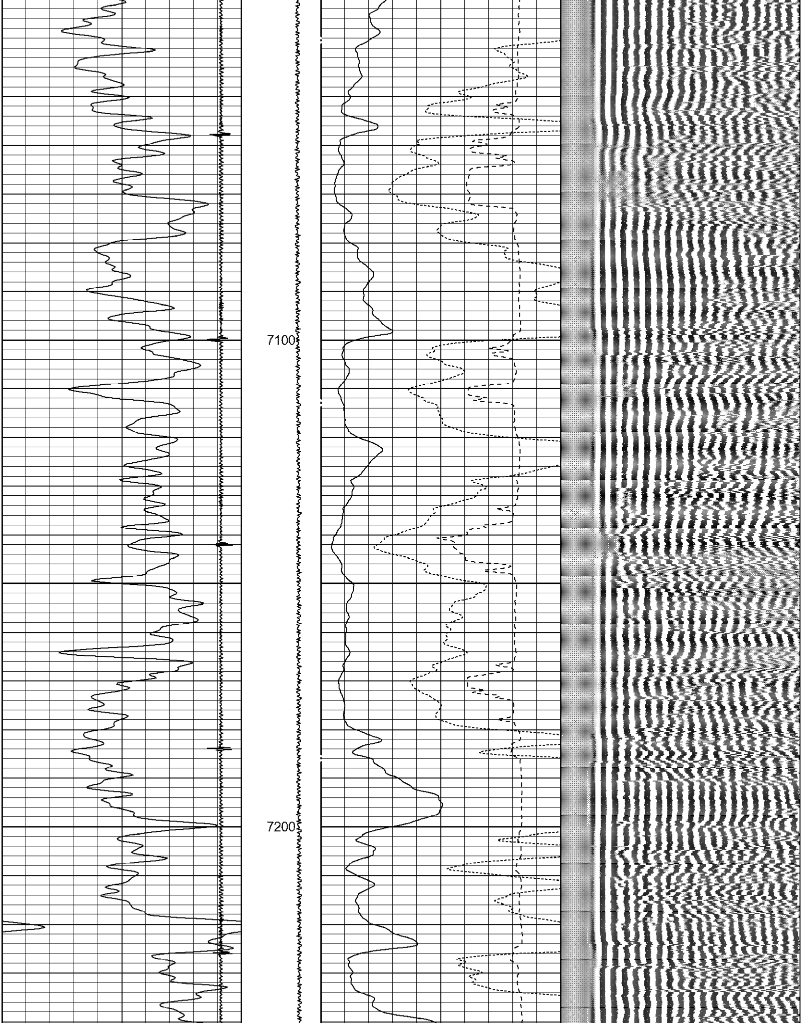


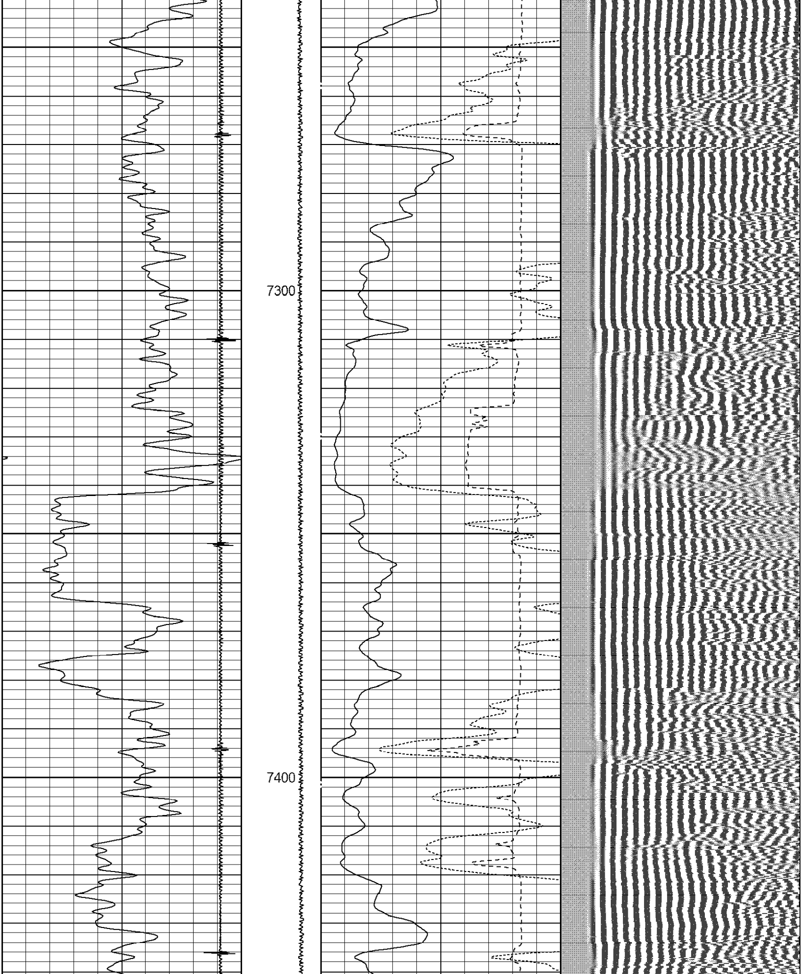


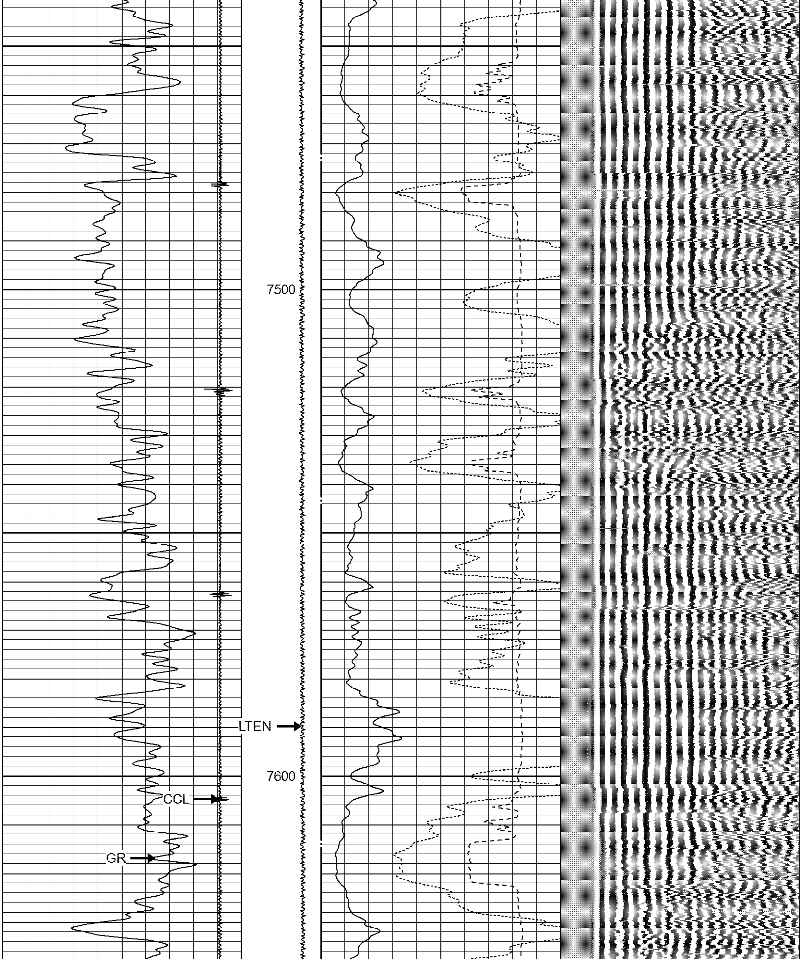


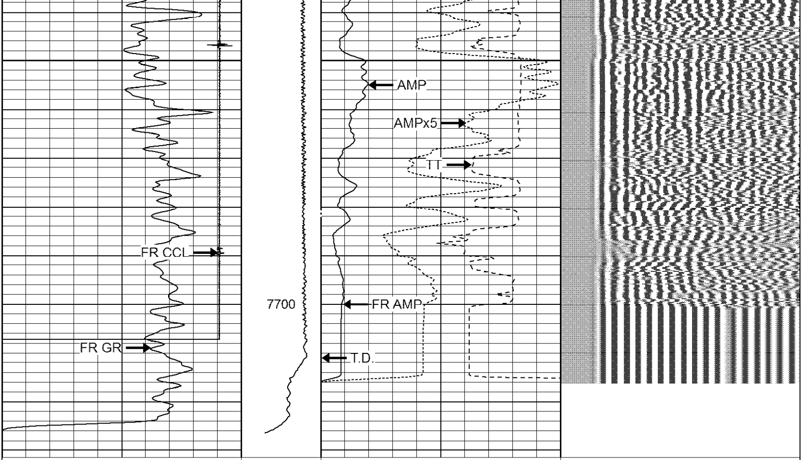












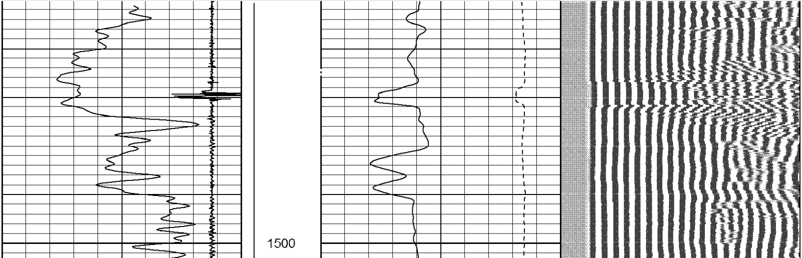
14000	Collar Locator	19600	LTEN		0	AMP AMPLITUDE (mV)	20	200	VDL	1200
0	Gamma Ray (GAPI)	150	0	(lb)2000	0	AMPLITUDE (mV)	100			
					380	TRAVEL TIME (usec)	180			

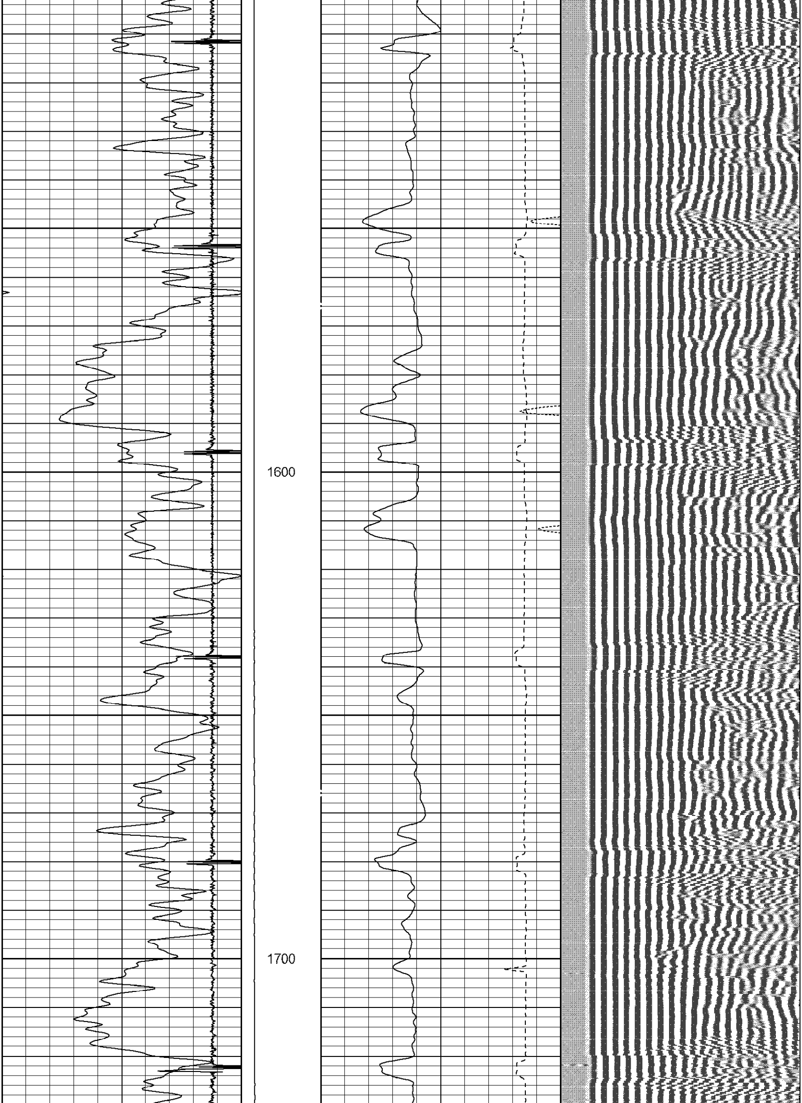
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

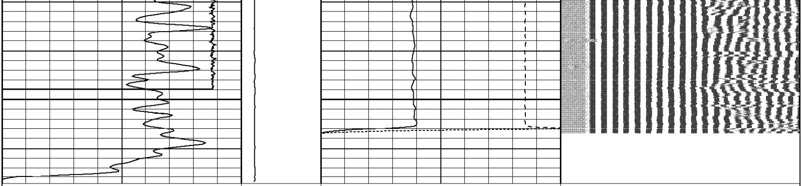
REPEAT PASS

Database File: c:\warrior\data\bbc_daley\31a\062511_ggu_daley_31a.db
Dataset Pathname: pass6
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 25 10:28:27 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

15000	Collar Locator	19350	LTEN		0	AMP AMPLITUDE (mV)	20	200	VDL	1200
0	Gamma Ray (GAPI)	150	0	(lb)3000	0	AMPLITUDE (mV)	100			
					380	TRAVEL TIME (usec)	180			







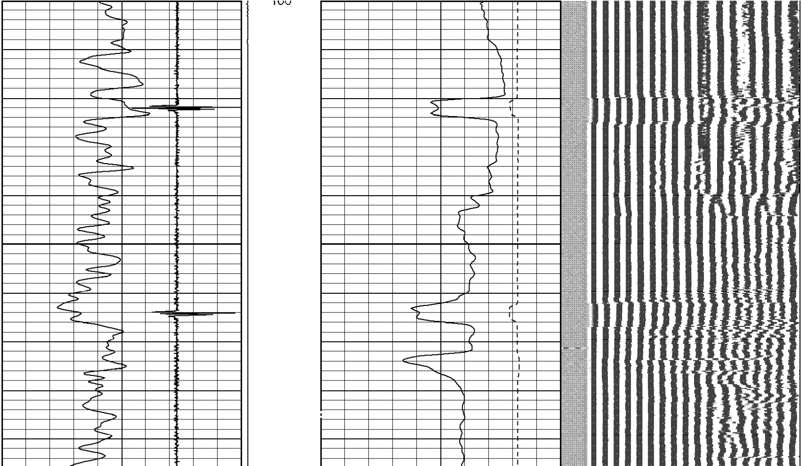
15000 Collar Locator 19350	LTEN	0 AMP AMPLITUDE (mV) 20	200 VDL 1200
0 Gamma Ray (GAPI) 150	0 (lb)3000	0 AMPLITUDE (mV) 100	
		380 TRAVEL TIME (usec) 180	

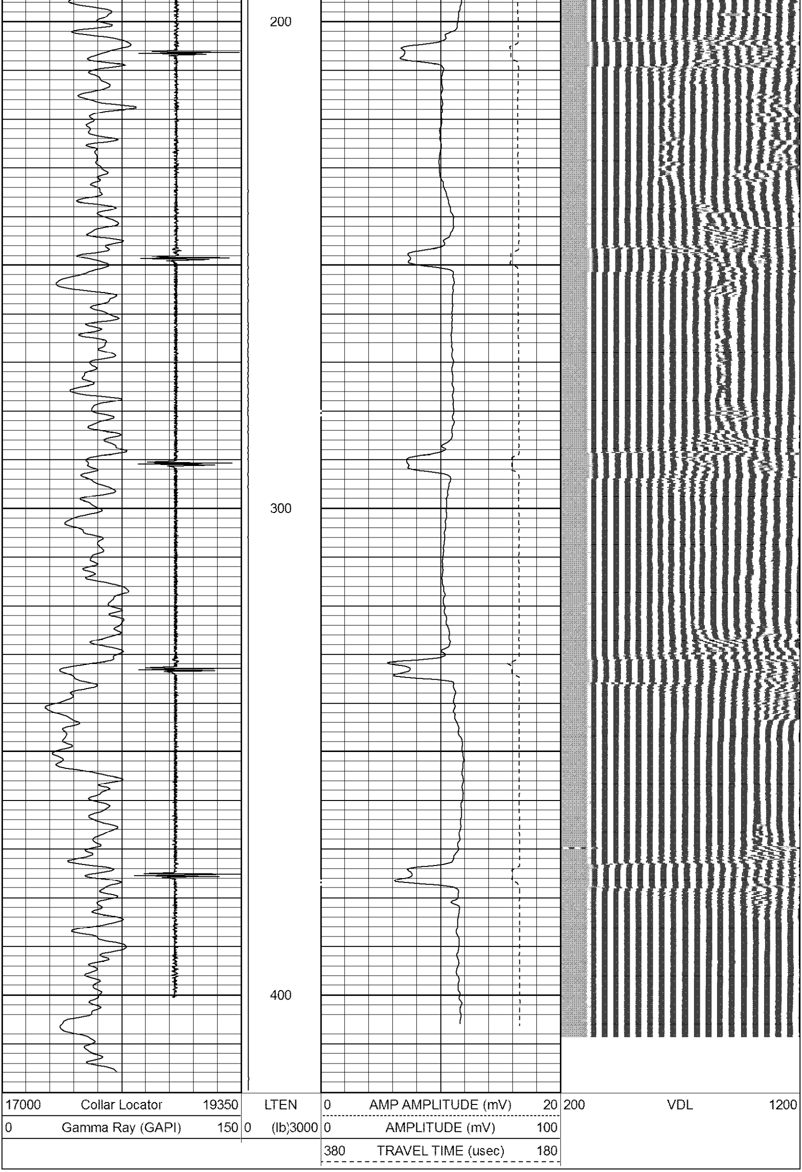
ROCKY MOUNTAIN WIRELINE SERVICE

FREE PIPE PASS

Database File: c:\warrior\data\bbc_daley\31a\062511_ggu_daley_31a.db
Dataset Pathname: pass4
Presentation Format: rmws_dsc
Dataset Creation: Sat Jun 25 08:39:10 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

17000 Collar Locator 19350	LTEN	0 AMP AMPLITUDE (mV) 20	200 VDL 1200
0 Gamma Ray (GAPI) 150	0 (lb)3000	0 AMPLITUDE (mV) 100	
		380 TRAVEL TIME (usec) 180	

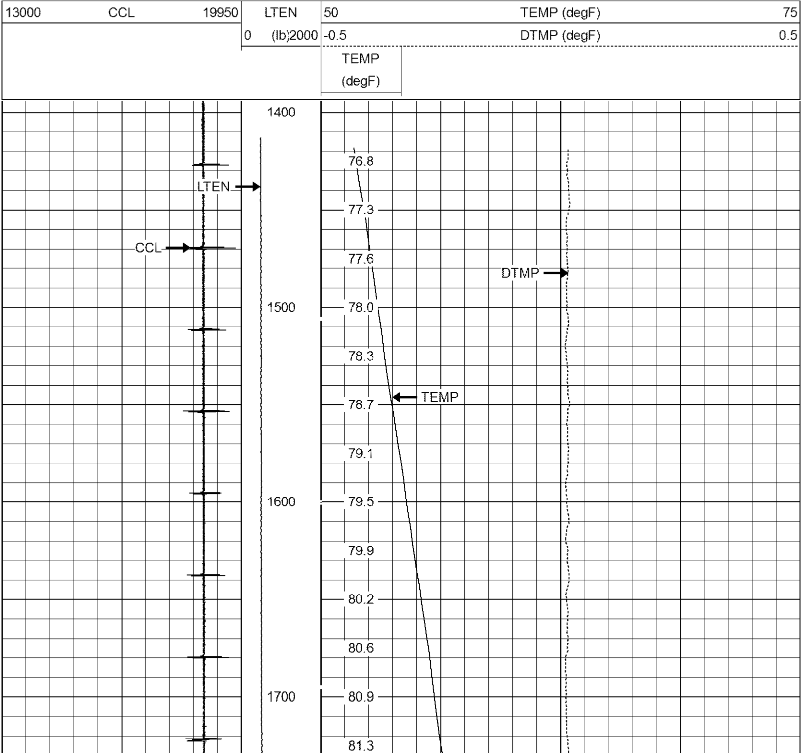


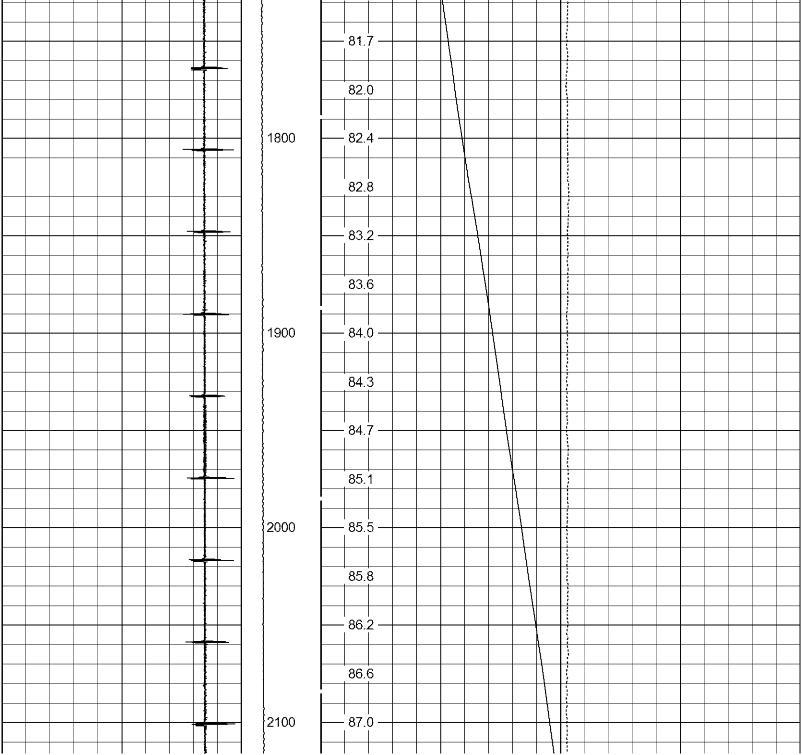


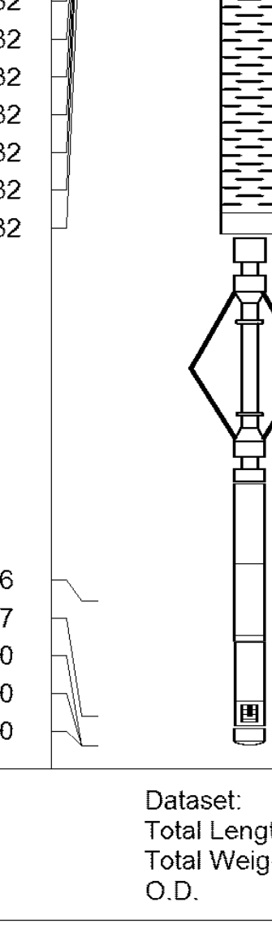
ROCKY MOUNTAIN WIRELINE SERVICE

TEMP PASS

Database File: c:\warrior\data\bbc_daley\31a\062511_ggu_daley_31a.db
Dataset Pathname: TEMP/pass1
Presentation Format: rmws_tem
Dataset Creation: Sun Jun 26 21:12:07 2011
Charted by: Depth in Feet scaled 1:600





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	19.17		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 11.32 10.32		RBT-004 (1122) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
GR	1.76		PGR-020 (AJD00166) Production Gamma Ray	1.93	1.69	9.50
TEMP TSTAMP ITEMPX HVOLTX	0.37 0.00 0.00 0.00		PRT-016 (217894) Platinum Resistance Thermometer	1.04	1.69	6.00
			BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset: 062511_ggu_daley_31A.db: field/well/TEMP/pass1
Total Length: 22.90 ft
Total Weight: 244.00 lb
O.D.: 3.13 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	BILL BARRETT CORPORATION
Well	GGU DALEY 31A - 30 - 691
Field	GIBISON GULCH
County	GARFIELD
State	COLORADO