ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL
TEMPERATURE

Company	BILL BARRETT CORPORATION		
Well	GGU MILLER 23C-32-691		
Field	GIBSON GULCH		
County	GARFIELD	State	COLORADO
Location:	API #: 05-045-19430		Other Services
	SHL: 1256' FSL & 2297' FWL		GAUGE RING
	BHL: 2130' FSL & 1990' FWL		3.75"
	SEC 32 TWP 6S RGE 91W		
Permanent Datum	G.L.	Elevation 6121'	Elevation
Log Measured From	K.B.	Ft Above PD 23'	K.B. 6144'
Drilling Measured From	K.B.		D.F. 6143'
			G.L. 6121'

Date	01-04-2011
Run Number	ONE
Depth Driller	7333'
Present Depth Driller	NA
Depth Logger	7266'
Bottom Logged Interval	7265'
Top Log Interval	1800'
Fluid Level	SURFACE
Type Fluid	WATER
Max. Recorded Temp.	208.6° F
Estimated Cement Top	2450'
Equipment Number	216
Location	GRAND JCT.
Recorded By	COVINGTON
Witnessed By	MR. BEAUXIS

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	8.750"	781'	5521'	9.625"	36#	SURFACE	781'
TWO	7.880"	5521'	7325'	4.500"	11.6#	SURFACE	7325'

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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 USING WEATHERFORD NEUTRON LOG DATED 12-08-2010
MAIN PASS 5" = 100'
TEMP PASS 2" = 100'
CSG PSI = 0
SHORT JOINTS AT 4865' TO 4886' & 6230' TO 6251'

Calibration Report

Database File: C:\Warrior\Data\GGU MILLER\010411_barrett_ggu_miller_23c-32-691.db
Dataset Pathname: MAIN/pass1.2
Dataset Creation: Tue Jan 04 14:00:03 2011

Gamma Ray Calibration Report

Serial Number:	TEKCO234_352	
Tool Model:	TEKCO234	
Performed:	Fri May 28 10:25:42 2010	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9800	/cps

CBL Calibration Report

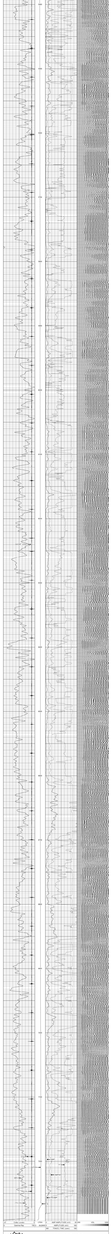
Serial Number:	TEKCO_8044		
Tool Model:	TEKCO		
Performed:	Tue Jan 04 08:50:19 2011		
Depth:	278.262	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.000	1.000	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	-0.026	-0.015	V
Reading in Free Pipe:	1.448	2.109	V
Gain:	42.557	35.773	
Offset:	0.994	0.993	

ROCKY MOUNTAIN WIRELINE SERVICE

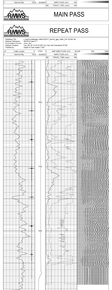
MAIN PASS

Database File: c:\warrior\data\ggu miller\010411_barrett_ggu_miller_23c-32-691.db
Dataset Pathname: MAIN/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Tue Jan 04 14:00:03 2011
Charted by: Depth in Feet scaled 1:240

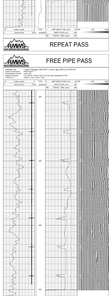
-27	Collar Locator	3	LTEN	0	AMP AMPLITUDE (mV)	20	200	VDL	1200
0	Gamma Ray	150	0 (lb) 2000	0	AMPLITUDE (mV)	100			
				380	TRAVEL TIME (usec)	180			



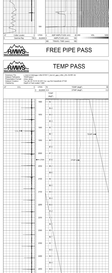
MAIN PASS



REPEAT PASS

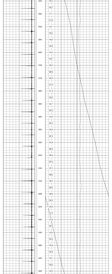


FREE PIPE PASS

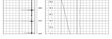


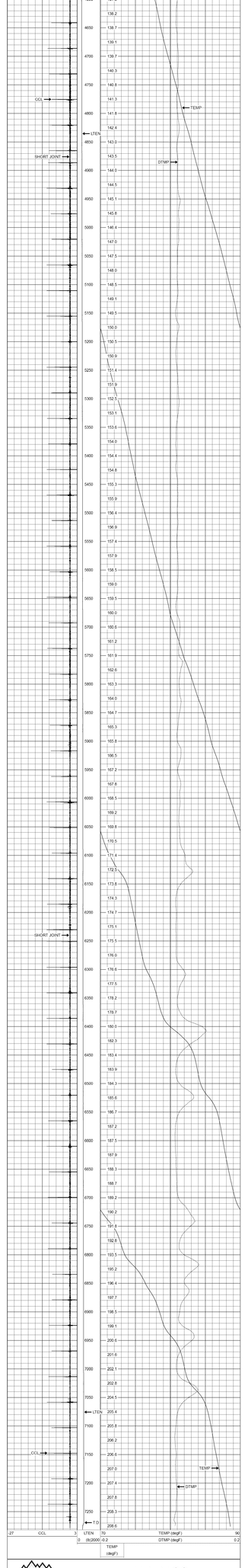
REPEAT PASS

FREE PIPE PASS



TEMP PASS





TEMP PASS

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.75		CCL-TITAN275 (TITAN275_102) Tiber 2 3/4" CCL	1.92	2.75	10.00
			TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
WVF3FT	10.85		CBLTEXCO-TEXCO (TEXCO_8044) DEMO TOOL - OBSHKOSKI INVALID	10.00	3.25	50.00
WVF5FT	9.85					
WVFCAL	5.85					
WVFSYNC	5.85		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
GR	1.00		GR-TEXCO234 (TEXCO234_352) Telco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 010411_barrett_ggu_miller_23c-32-691.dlis: field/well/MAIN/pass1 2
Total Length: 19.94 ft
Total Weight: 90.00 lb
O.D: 3.25 in

Company	BILL BARRETT CORPORATION
Well	GGU MILLER 23C-32-691
Field	GIBSON GLEN
County	GARFIELD
State	COLORADO