RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

SECTOR BOND LOG
GAMMA RAY / CCL

Company	MARALEX RESOURCES, INC.		
Well	SOUTH SHALE RIDGE 11-15		
Field	CAMEO COAL		
County	MESA	State	COLORADO
Location:	API #: 05-077-08619 1659' FSL, 1570' FWL		Other Services
	SEC 15 TWP 8S RGE 98W		Elevation K.B. 5894' D.F. G.L. 5884'
Permanent Datum	G.L.	Elevation 5884'	
Log Measured From	K.B.	Ft Above PD 10.0'	
Drilling Measured From	K.B.		
Date	09/11/2008		
Run Number	ONE		
Depth Driller	3568'		
Present Depth Driller	PBTD 3184'		
Depth Logger	3179'		
Bottom Logged Interval	3169'		
Top Log Interval	2000'		
Fluid Level	150'		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top	SEE LOG		
Equipment Number	220		
Location	GRAND JCT.		
Recorded By	SPENCER	RAFF	
Witnessed By	MR. JIM GRAVES		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE				9 5/8"	36.0 #	SURFACE	140'
TWO				7.0"	23.0 #	SURFACE	3326'
THREE				4 1/2"	11.6 #	3239'	3534'

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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: NO LOG TO CORRELATED
NOTE: WELL PRESSURE WAS STATIC FOR THE LOG.
TICKET NO:23943

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MAIN PASS

5"= 100'

Database File: maralex_south_shale_ridge_11_15.db
Dataset Pathname: scbl/pass10
Presentation Format: rmws_scb
Dataset Creation: Thu Sep 11 13:47:12 2008 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

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MAIN PASS

5"= 100'

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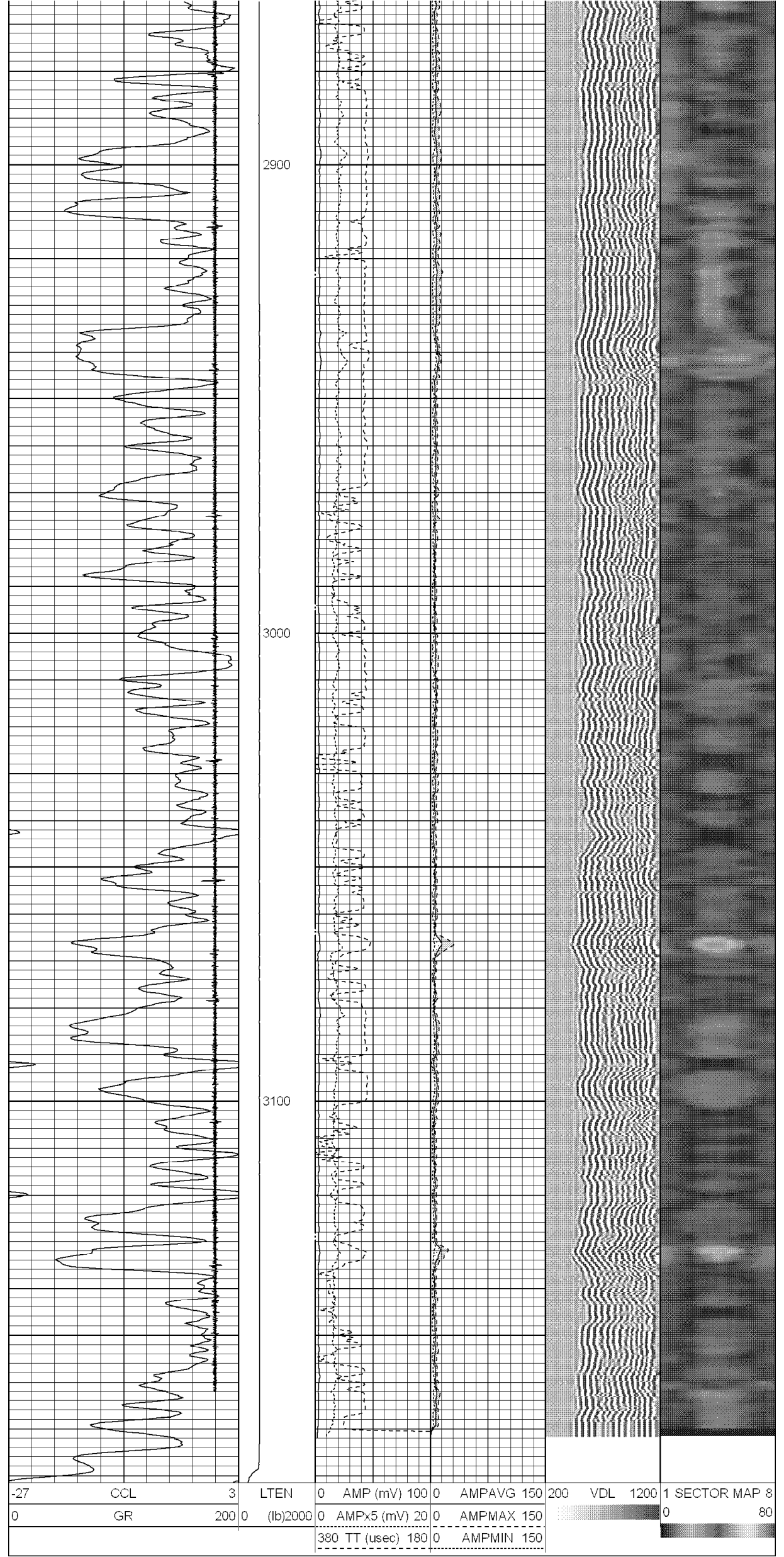
REPEAT SECTION

5"= 100'

Database File: maralex_south_shale_ridge_11_15.db
Dataset Pathname: scbl/pass9
Presentation Format: rmws_scb
Dataset Creation: Thu Sep 11 13:52:23 2008 by Calc Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



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REPEAT SECTION

5"= 100'

Calibration Report

Database File: maralex_south_shale_ridge_11_15.db
Dataset Pathname: scbl/pass9
Dataset Creation: Thu Sep 11 13:52:23 2008 by Calc Std Casedhole 07122

Gamma Ray Calibration Report

Serial Number:	TEKCO234_352	
Tool Model:	TEKCO234	
Performed:	Fri Aug 22 12:11:47 2008	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.5000	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	TEKCO234_3025	
Tool Model:	TEKCO	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	1144.054	ft

Master Calibration, performed Thu Sep 11 11:58:41 2008:

Raw (v)		Calibrated (mv)		Results	
Zero	Cal	Zero	Cal	Gain	Offset

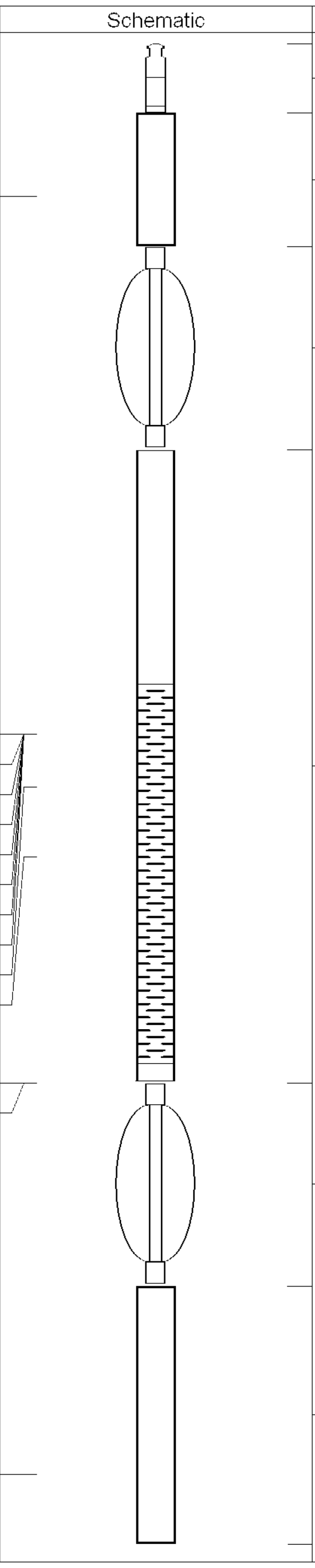
3'	0.000	0.519	2.000	62.165	115.872	2.000
CAL	0.000	0.404				
5'	0.000	0.872	2.000	62.165	69.027	2.000
SUM						
S1	0.000	0.978	0.000	100.000	90.217	1.500
S2	0.000	0.703	0.000	100.000	90.247	1.500
S3	0.000	0.347	0.000	100.000	90.792	1.500
S4	0.000	0.270	0.000	100.000	90.528	1.500
S5	0.000	0.280	0.000	100.000	90.826	1.500
S6	0.000	0.316	0.000	100.000	90.440	1.500
S7	0.000	0.433	0.000	100.000	90.125	1.500
S8	0.000	0.764	0.000	100.000	90.884	1.500

Internal Reference Calibration, performed Mon Sep 08 17:15:08 2008:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.404	1.000	0.000

Air Zero Calibration, performed Thu Sep 11 11:40:20 2008:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.43	2.00
CCL	19.33		CCL-TITAN275 (TITAN275_01) Titan 2 3/4" CCL	1.92	2.75	10.00
			SIE169 Titan 1 11/16" Centralizer	2.92	1.69	5.00
WVFS1	11.60					
WVFS2	11.60		SCBLTEKCO-TEKCO (TEKCO234_3025) Tekco 2 3/4" Radial Bond	9.08	2.75	50.00
WVFS3	11.60					
WVFS4	11.60					
WVFS5	11.60					
WVFS6	11.60					
WVFS7	11.60					
WVFS8	11.60					
WVF3FT	10.85					
WVF5FT	9.85					
WVFCAL	6.60					
WVFSYNC	6.60					
			SIE169 Titan 1 11/16" Centralizer	2.92	1.69	5.00
			GR-TEKCO234 (TEKCO234_352) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00
GR	1.00					

Dataset:	maralex_south_shale_ridge_11_15.db: field/well/scbl/pass9
Total Length:	21.52 ft
Total Weight:	92.00 lb
O.D.	2.75 in