60001318

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No.
AUTHOR	M. Brady; N. Brewer; R. Grondin
DATE OF DOC(S)	1990
MULTI_DIST Y / (N?) Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Eklund Drilling; Lac Minerals (USA) Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 530' handwritten notes 15p.

Keep docs at about 25 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce the amount of pages by 25)

Revised: 1/22/08

	Initials	Date
SS:	DD	5/19/08
DB:	mah	
SCANNED:		

DRILL LOGS RL-~~85~~

Rosebud

66001218 4010

C0001318

LAC MINERALS (U.S.A.) INC.

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RL-85 TOTAL DEPTH ~~445~~ 530' LOGGED BY DAM

Date started 5.4.90

Date completed 5.6.90

Initial bearing N01°W

Initial inclination -75°

Elevation 5836.1'

Collar coordinates:

N 2,212,751.0'

E 479,578.7'

Contractor: FKLUND

Drill Type: MRD 1000

Hole Size: 4 3/4

Drilling Conditions:

Footage: Wet / Dry 305 DRY, 305-445 WET

445 TRICONE, SAMPLES TO 530'

Comments: 0-305, MAJOR FRACTURE. 255 to 445+, LOTS OF H_2O, CAVING. T.D. = LOST, CAVED HOLE TORQUED, BIT SHOT IN BROKEN FOOT WALL, MUD? CEMENT

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

CHOCOLATE TUFF
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT DOZER WELDED TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-85

Page 1 of 6

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									RUSTY RED					BLEACHED FINE GRAINED CRYSTAL TUFF ≈ WK-MOD CALCEDONIC	.002	L		
05									BEIGE					SILICIFICATION, WK-MOD OXIDIZED SULFIDES. LOCALLY FRAGMENTED W	.002	L		
10														0-310' FINE QTZ STRWK	.002	L		
15															.002	L		
20															.001	L		
25															L	L		
30														BL↑ 30-55'	L	L		
35															L	L		
40															L	L		
45															L	L		
50															L	L		
55		XK													L	L		
60		XK													.001	L		
65		XK													.001	L		
70		XK												MATRIX SUPPORTED BRECCIA	L	L		
75		XK													L	L		
80		XK													L	L		
85		XK													L	L		
90		XK												BRECCIATED 85-100'	.001	L		
95		XK													.002	L		
100		XK													.003	.18		

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

CHOCOLATE TUFF
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT DOZER WELDED TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-85

Page 2 of 6

LOGGED BY DAN

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									ORANGE BEIGE						L	L		
/05															L	L		
/10															L	L		
/15															L	L		
/20															L	L		
/25															L	L		
/30															L	L		
/35															L	L		
/40									Brown Purple						L	L		
/45															L	L		
/50															L	L		
/55															L	L		
/60									LT REDDISH ORANGE						L	L		
/65															L	L		
/70															L	L		
/75															L	L		
/80															L	L		
/85															L	L		
/90															L	L		
/95															L	L		
200															L	L		

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

CHOCOLATE TUFF
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT DOZER WELDED TUFF

ARGILLIC
XX SILICIFICATION
OX OXIDIZED
DRUZY QUARTZ
XC CHALCEDONIC QUARTZ
XK STOCKWORK QUARTZ
P P P PROPYLITIZATION
Ca CALCITE

DRILL HOLE RL-25

Page 3 of 6

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									REDDISH ORANGE BEIGE					OXIDIZED, BLEACHED, SILICIFIED CRYSTAL TUFF & LOCAL FINE QTZ STKWK	L	L		
205															L	L		
210		XK													L	L		
215		XK													L	L		
220		XK													L	L		
225		XK													L	L		
230		XK													L	L		
235		XK													L	L		
240		XK													.001	L		
245		XK													.001	L		
250		XK													.002	L		
255		XK													.006	L		
260		XK													.006	L		
265		XK													.003	L		
270		XK													L	L		
275		XK													L	L		
280		XK													L	L		
285		XK													L	L		
290		XK													.002	L		
295		XK													L	L		
300		XK																

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

CHOCOLATE TUFF
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT — DOZER WELDED TUFF

ARGILLIC
XX — SILICIFICATION
OX — OXIDIZED
DRUZY QUARTZ
XC — CHALCEDONIC QUARTZ
XK — STOCKWORK QUARTZ
P P P — PROPYLITIZATION
Ca — CALCITE

DRILL HOLE RL-85

Page 4 of 6

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK
WET ↓		AC							ORANGE BEIGE						.002	L	
305		XK							↓					↓	L	L	
310		XX							DK GREY				3-5%	310'-350 QUARTZ SULFIDE ZONE - SILICIFIED CRYSTAL TUFF w VERY FINE DIS. SULFIDES	L	L	
315		XX													L	L	
320		XX													L	L	
325		XX													L	L	
330		XX													L	L	
335		XX													L	L	
340		XX													L	L	
345		XX													L	L	
350		XX							↓				↓	↓	L	L	
355		XX XK							BEIGE				UP TO 10%	350 - ? STRONGLY SILICIFIED, BRECCIATED FRACTURED XL TUFF w ~~[illegible]~~	.009	.13	
360		XX XK												SULFIDE CAVITY FILL, VEINING AND DISS. QTZ STRWK AND SLICKS COMMON.	.007	.15	
365		XX XK												LOTS OF CAVING IN THIS ZONE	.006	L	
370		XX XK													.006	L	
375		XX XK													.007	L	
380		XX XK													.007	L	
385		XX XK													.004	L	
390		XX XK													.004	L	
395		XX XK													.002	L	
400		XX XK							↓				↓		.003	L	

LAC MINERALS (U.S.A.) INC.
ROSEBUD PROJECT

CHOCOLATE TUFF ≈ Tcx
BUD BRECCIA
BUD TUFF
BUD EPICLASTIC
BUD TUFF BRECCIA
DT DOZER WELDED TUFF

ARGILLIC
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DRILL HOLE RL-85

Page 5 of 6

LOGGED BY DAM

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
		XX XK							PINKISH CREAM				5%		.008	L		
405		X XY XK							GREY						.011	.20		
410		X XX XK													.008	L		
415		X XY XK													.011	L		
420		X XY XK													.006	.12		
425		X XX XK													.010	.13		
430		X XY XK													.007	L		
435		X XX XK													.009	.18		
440		X XY XK													.008	L		
Rock Bit ↓ 445		X XX XK													.004	L		
450		X XX XK													.003	L		
455		X XY XK													.005	L		
460		X XY XK													.003	L		
465		X XX XK													.005	L		
470		X XX XK												LESS LOOSE ROCK LEAVING FRACTURE ZONE. STRONG SILICIFIED CRYSTAL TUFF TO 530'	.007	L		
475		X XX XK													.006	L		
480		X XX XK													.006	L		
485		X XX XK													.009	L		
490		X XX XK													.006	L		
495		X XX XK													.005	L		
500																		

LAC MINERALS (U.S.A.) INC.
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CHOCOLATE TUFF
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Ca CALCITE

DRILL HOLE RL-85

Page 6 of 6

LOGGED BY DAN

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
									LT GREY + CREAM				5-7 %		.007	L		
05															.006	L		
10															.005	L		
15															.005	L		
20															.004	L		
25														T.D. LAST SAMPLE 530'	.004	L		
30																		
35																		
40																		
45																		
50																		
55																		
60																		
65																		
70																		
75																		
80																		
85																		
90																		
95																		
00																		

T.D. LOST DUE TO CAVING

Filename: drblog.xls

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL: Page 1/3
LOGD BY: MW Brady	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RL 85
DRB

DRILLING NOTES: TIME | Dates H2O Casing Bits Hole C

North EQUINOX

STRATIGRAPHY/LITHOLOGY

DEPTH in FEET	COLOR (WET)	1 ALLUVM	2 BADGER	3 CHOCOLT	4 BUD	5 BRADY	6 MKR POR	7 BUD	8 DOZER	9 WILDROS	10 SURGTUF	11 ASH FLO	12 LAVA	13 AUTOBXA	14 INTRUSV	15 BASALT	16 ANDESIT	17 RHYOLIT
5	TAN + RD BRN																	
10																		
15																		
20																		
25	TAN																	
30																		
35																		
40																		
45																		
50																		
55																		
60	TAN+ORNG BRN																	
65																		
70																		
75																		
80																		
85																		
90																		
95																		
100																		
105																		
110	TAN																	
115																		
120																		
125																		
130																		
135																		
140																		
145	RD BRN																	
150																		
155																		
160	WTE+ ORNG BRN																	
165																		
170																		
175																		
180																		
185																		
190																		
195																		
200																		
205	TAN + ORNG BRN																	
210																		
215																		
220																		
225																		
230																		
235																		
240																		
245																		
250	WTE+TAN																	

STRCT: 18 BROKEN | 19 GOUGE | 20 GRAPHIC

ALTERATION & MINERALIZATION

DEPTH in FEET	21 OXD'TN MANGAN	22 HEMAT	23 LIMON	24 PYRITE	25 GRAPHIC	26 UNALTRD	27 PROPYLT	28 ARG	29 RPLSIL	30 STKWKS	31 VEINS	32 CALCITE	33	34 GRAPHIC
5			2											
10														
15														
20														
25			1								1			
30														
35														
40														
45											1			
50														
55														
60			2											
65														
70														
75														
80											1			
85														
90														
95			1											
100														
105			2											
110														
115			1											
120														
125														
130														
135			2											
140														
145														
150														
155														
160			2											
165														
170														
175														
180														
185														
190														
195														
200														
205			1											
210			2											
215														
220														
225											1			
230			1											
235														
240														
245														
250														

COMMENTS

Sample Recovery

Composite Geochem Intervals

SAMPLE No	COMMENTS
5	TAN + RD BRN FLOW w/ min feox coats
10	
15	
20	
25	
30	
35	
40	
45	
50	
55	
60	Flow bxa w/ min feox coats.
65	
70	
75	
80	HYDRO BXA !
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	RD BRN VFINE GRAINED FLOW → ANDESITE ?
150	
155	
160	
165	
170	
175	
180	
185	
190	
195	
200	
205	
210	
215	
220	
225	
230	
235	
240	
245	
250	

PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL: Page 2/3
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:

HOLE#: RL 85
DRB

DRILLING NOTES: TIME | Dates H'O Casing Bits Hole C

STRATIGRAPHY/LITHOLOGY — STRCT — ALTERATION & MINERALIZATION — COMMENTS

DEPTH in FEET	COLOR (WET)	ALLUVM (1)	BADGER (2)	CHOCOLT (3)	UBUD (4)	BRADY (5)	MKRPOR (6)	LBUD (7)	DOZER (8)	WILDROS (9)	SURGTUF (10)	ASHOFLO (11)	LAVA0 (12)	AUTOBXA (13)	INTRUSV (14)	BASALT (15)	ANDESIT (16)	RHYOLIT (17)	BROKEN (18)	GOUGE (19)	GRAPHIC (20)	MANGAN (21)	HEMAT (22)	LIMON (23)	PYRITE (24)	GRAPHIC (25)	UNALTRD (26)	PROPYLT (27)	ARG (28)	RPL SIL (29)	STKWKS (30)	VEINS (31)	CALCITE (32)	(33)	GRAPHIC (34)	COMMENTS	SAMPLE No
260	WT+TAN																							1												Tan fine grained flow w/ wk fear coats.	255
270																																					265
280																																					275
290																																					285
300																																				w/strong manganese coats.	295
310	WTE+ LT GRY																				1															abrupt cte but no fault in cuttings	305
320																									1 ?												315
330																																					325
340	LTGRY																								2											POSS. HYDRO BXA	335
350																									1												345
360																																					355
370																					2				2											HYDRO BXA?	365
380																																					375
390	TAN+ LTGRY																								1												385
400																																					395
410																																					405
420	LTGRY																				2				2											HYDRO BXA?	415
430																																					425
440																																					435
450																																					445
460																																					455
470																																					465
480																																					475
490	WTE+ LTGRY																				1				1				1								485
500																																					495

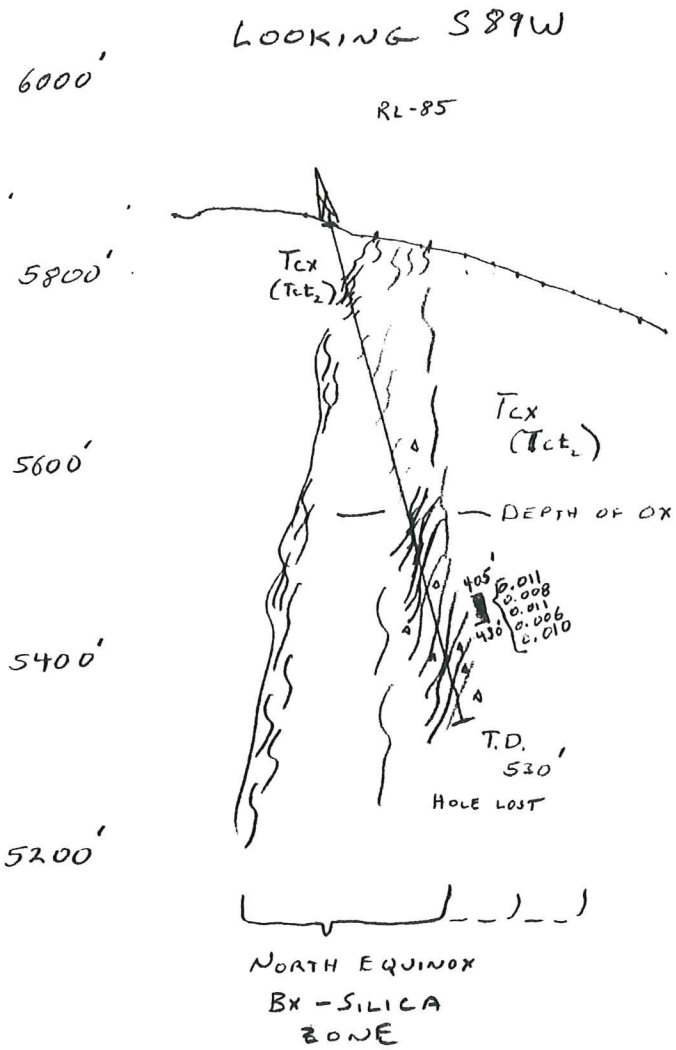
Filename: drblOG.xls

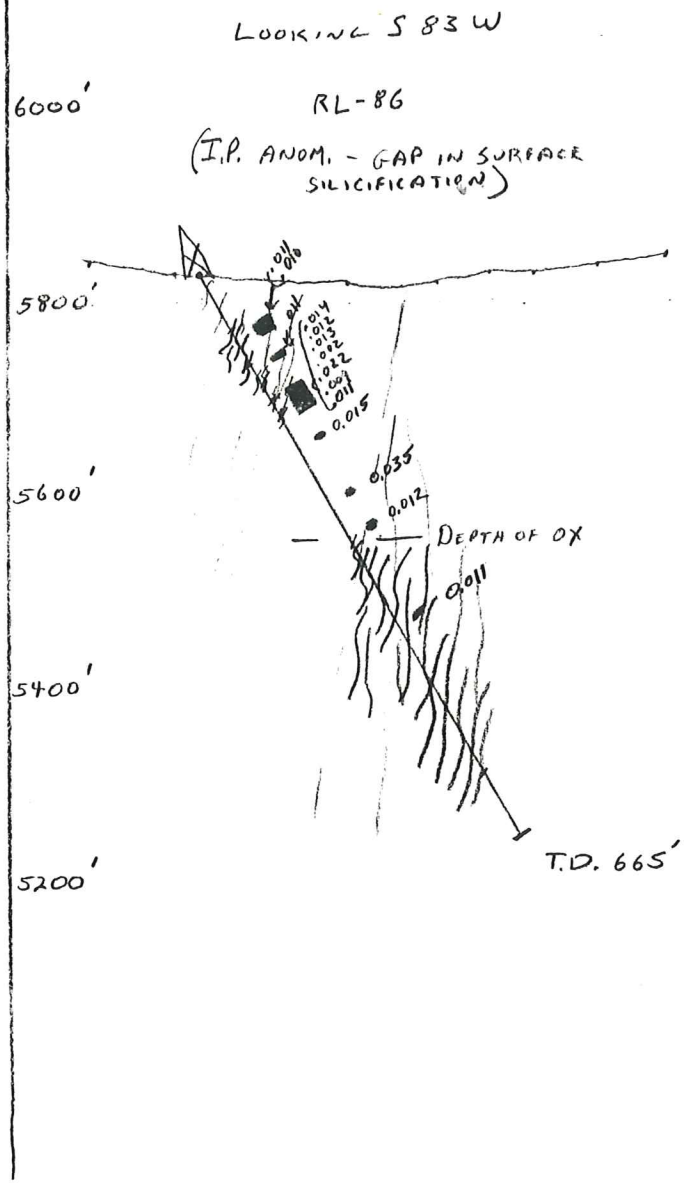
PROJECT: ROSEBUD	STATE: Nevada	NORTHING:	TOTAL Page 3/ 3	HOLE#: RL
LOGD BY: MWB	COUNTY: Pershing	EASTING:	BEARING:	DRB 85
UTM#: NK 11-10-06	SEC. T. N., R.	ELEVATION:	ANGLE:	

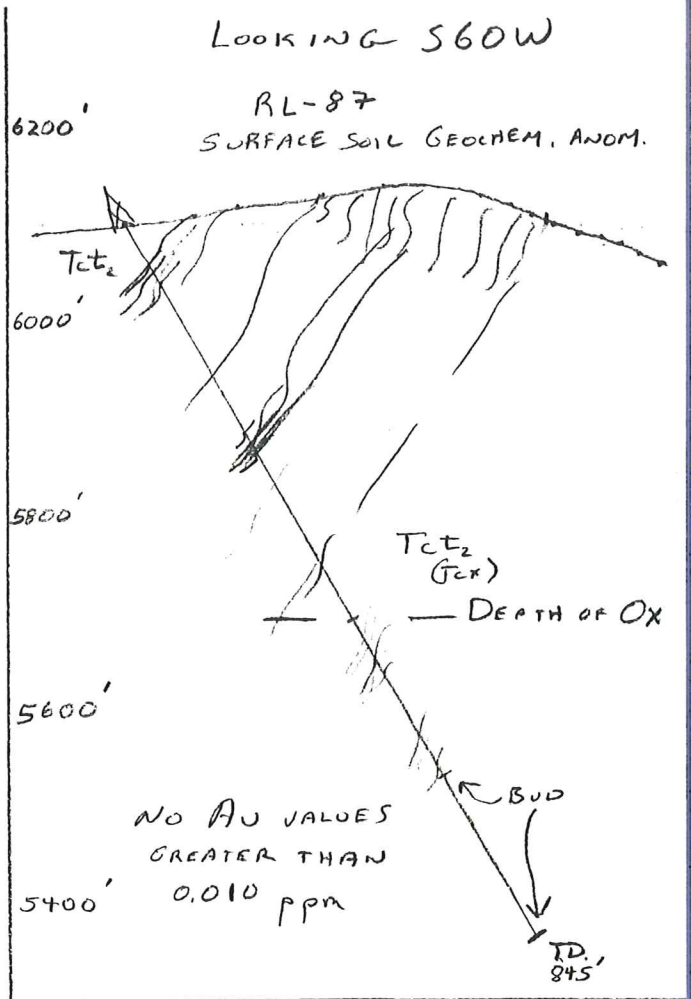
DRILLING NOTES		COLOR (WET)	STRATIGRAPHY/LITHOLOGY																STRCT		GRAPHIC	ALTERATION & MINERALIZATION				GRAPHIC								GRAPHIC	COMMENTS	SAMPLE No
TIME	Dates, H20, Casing, Bits, Hole Co		ALUVMO	BADGER	CHOCOLT	BUD	BRADY	MKR POR	BUD	DOZER	WILDROS	SURGTUF	ASHOFLO	LAVA00	AUTOBXA	INTRUSV	BASALT	ANDESIT	RHYOLIT	ROKEN	GOUGE		GANGAN	HEMAT	LIMON	PYRITE		NALTRD	PROPYLT	ARG	RPL SIL	STKWKS	VEINS	CALCITE			Sample Recovery
DEPTH in FEET			1	2	3	4	5	6	7	8	9	10	11	12	13	11	12	13	14	15	16		17	18	19	20		21	22	22	23	24	25	26	27		Composite Geochem Intervals	
510		WTE+ LTGRY																												1 –	1 2							505 510
520																																					TD 520 LOST HOLE!	515 520
530																																						525 530
540																																						535 540
550																																						545 550
560																																						555 560
570																																						565 570
580																																						575 580
590																																						585 590
600																																						595 600
610																																						605 610
620																																						615 620
630																																						625 630
640																																						635 640
650																																						645 650
660																																						655 660
670																																						665 670
680																																						675 680
690																																						685 690
700																																						695 700
710																																						705 710
720																																						715 720
730																																						725 730
740																																						735 740
750																																						745 750

NORTH EQUINOX DRILLING

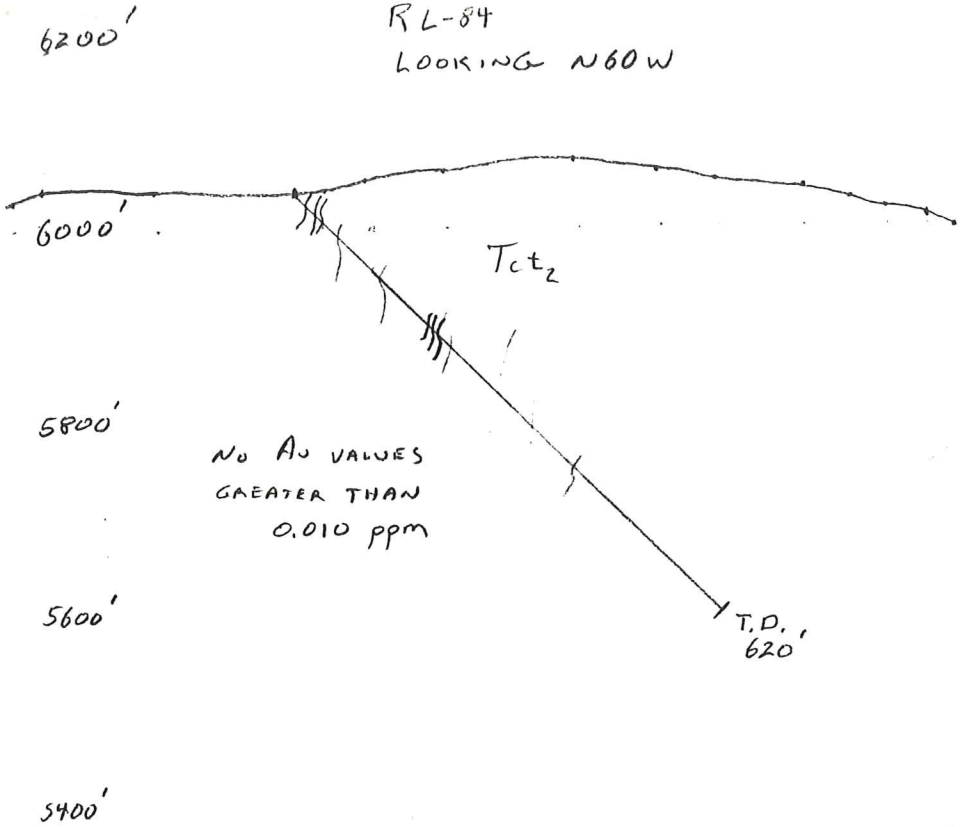
JUNE 5, 1990
SR MAYNARD







RL-84
LOOKING N60W



NEVADA GSI

MAY 29 1990

GEOCHEMICAL ANALYSIS REPORT

May 23, 1990

CUST. CODE: LOA
PROJECT: XXXX
P.O. #: XXXX
LOT ID: 7202

GEOLOGIST: NATE BREWER
COPIES TO: XXXX
COMPANY: LAC MINERALS
ANALYSIS: FIRE ASSAY FOR GOLD AND SILVER, WITH AN A.A. FINISH.

	Sample I.D.				Au o/t	Ag o/t
1.	RL-85	0	5		0.002	-0.10
2.	RL-85	5	10	A	0.002	-0.10
3.	RL-85	5	10	B	0.002	-0.10
4.	RL-85	10	15	A	0.002	-0.10
5.	RL-85	10	15	B	0.002	-0.10
6.	RL-85	15	20		0.002	-0.10
7.	RL-85	20	25		0.001	-0.10
8.	RL-85	25	30		-0.001	-0.10
9.	RL-85	30	35		-0.001	-0.10
10.	RL-85	35	40		-0.001	-0.10
11.	RL-85	40	45		-0.001	-0.10
12.	RL-85	45	50		-0.001	-0.10
13.	RL-85	50	55		-0.001	-0.10
14.	RL-85	55	60		0.001	-0.10
15.	RL-85	60	65		0.001	-0.10
16.	RL-85	65	70		-0.001	-0.10
17.	RL-85	70	75		-0.001	-0.10
18.	RL-85	75	80		-0.001	-0.10
19.	RL-85	80	85		-0.001	-0.10
20.	RL-85	85	90		0.001	-0.10
21.	RL-85	90	95		0.002	-0.10
22.	RL-85	95	100		0.003	0.18
23.	RL-85	100	105		-0.001	-0.10
24.	RL-85	105	110		-0.001	-0.10
25.	RL-85	110	115		-0.001	-0.10
26.	RL-85	115	120		-0.001	-0.10
27.	RL-85	120	125		-0.001	-0.10
28.	RL-85	125	130		-0.001	-0.10
29.	RL-85	130	135		-0.001	-0.10
30.	RL-85	135	140		-0.001	-0.10

1498 Kleppe Lane • Sparks, Nevada 89431 • FAX: 702/359-6605 • 702/359-6600

	SAMPLE I.D.			Au o/t	Ag o/t
31.	RL-85	140	145	-0.001	-0.10
32.	RL-85	145	150	-0.001	-0.10
33.	RL-85	150	155	-0.001	-0.10
34.	RL-85	155	160	-0.001	-0.10
35.	RL-85	160	165	-0.001	-0.10
36.	RL-85	165	170	-0.001	-0.10
37.	RL-85	170	175	-0.001	-0.10
38.	RL-85	175	180	-0.001	-0.10
39.	RL-85	180	185	-0.001	-0.10
40.	RL-85	185	190	-0.001	-0.10
41.	RL-85	190	195	-0.001	-0.10
42.	RL-85	195	200	-0.001	-0.10
43.	RL-85	200	205	-0.001	-0.10
44.	RL-85	205	210	-0.001	-0.10
45.	RL-85	210	215	-0.001	-0.10
46.	RL-85	215	220	-0.001	-0.10
47.	RL-85	220	225	-0.001	-0.10
48.	RL-85	225	230	-0.001	-0.10
49.	RL-85	230	235	-0.001	-0.10
50.	RL-85	235	240	-0.001	-0.10
51.	RL-85	240	245	0.001	-0.10
52.	RL-85	245	250	0.001	-0.10
53.	RL-85	250	255	0.002	-0.10
54.	RL-85	255	260	0.006	-0.10
55.	RL-85	260	265	0.006	-0.10
56.	RL-85	265	270	0.003	-0.10
57.	RL-85	270	275	-0.001	-0.10
58.	RL-85	275	280	-0.001	-0.10
59.	RL-85	280	285	-0.001	-0.10
60.	RL-85	285	290	-0.001	-0.10
61.	RL-85	290	295	0.002	-0.10
62.	RL-85	295	300	-0.001	-0.10
63.	RL-85	300	305	0.002	-0.10
64.	RL-85	305	310	-0.001	-0.10
65.	RL-85	310	315	-0.001	-0.10
66.	RL-85	315	320	-0.001	-0.10
67.	RL-85	320	325	-0.001	-0.10
68.	RL-85	325	330	-0.001	-0.10
69.	RL-85	330	335	-0.001	-0.10
70.	RL-85	335	340	-0.001	-0.10
71.	RL-85	340	345	-0.001	-0.10
72.	RL-85	345	350	-0.001	-0.10
73.	RL-85	350	355	0.009	0.13
74.	RL-85	355	360	0.007	0.15
75.	RL-85	360	365	0.006	-0.10

	SAMPLE I.D.			Au o/t	Ag o/t
76.	RL-85	365	370	0.006	-0.10
77.	RL-85	370	375	0.007	-0.10
78.	RL-85	375	380	0.007	-0.10
79.	RL-85	380	385	0.004	-0.10
80.	RL-85	385	390	0.004	-0.10
81.	RL-85	390	395	0.002	-0.10
82.	RL-85	395	400	0.003	-0.10
83.	RL-85	400	405	0.008	-0.10
84.	RL-85	405	410	0.011	0.20
85.	RL-85	410	415	0.008	-0.10
86.	RL-85	415	420	0.011	-0.10
87.	RL-85	420	425	0.006	0.12
88.	RL-85	425	430	0.010	0.13
89.	RL-85	430	435	0.007	-0.10
90.	RL-85	435	440	0.009	0.18
91.	RL-85	440	445	0.008	-0.10
92.	RL-85	445	450	0.004	-0.10
93.	RL-85	450	455	0.003	-0.10
94.	RL-85	455	460	0.005	-0.10
95.	RL-85	460	465	0.003	-0.10
96.	RL-85	465	470	0.005	-0.10
97.	RL-85	470	475	0.007	-0.10
98.	RL-85	475	480	0.006	-0.10
99.	RL-85	480	485	0.006	-0.10
100.	RL-85	485	490	0.009	-0.10
101.	RL-85	490	495	0.006	-0.10
102.	RL-85	495	500	0.005	-0.10
103.	RL-85	500	505	0.007	-0.10
104.	RL-85	505	510	0.006	-0.10
105.	RL-85	510	515	0.005	-0.10
106.	RL-85	515	520	0.005	-0.10
107.	RL-85	520	525	0.004	-0.10
108.	RL-85	525	530	0.004	-0.10

THIS REPORT REVIEWED AND APPROVED BY:

Richard A. Grondin

RICHARD GRONDIN, LABORATORY MANAGER