60001242

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. RL-3
AUTHOR	K. Kenner
DATE OF DOC(S)	1989 - 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; Lac Minerals (USA) Inc. Environmental West Exploration
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 505' handwritten notes 17p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

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

Revised: 1/22/08

DRILL LOGS RL-3

Rosebud

6000 1242 4010

60001242

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

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RL-3 TOTAL DEPTH 505' LOGGED BY KLK

Date started 4-19-89

Date completed 4-19-89

Initial bearing

Initial inclination vertical

Elevation 5252.4

Collar coordinates:

N 2203308

E 480997.1

Contractor: ENVIORNMENTAL WEST EXPLORATION

Drill Type: REVERSE CIRCULATION

Hole Size: 5 1/2" hammer

Drilling Conditions: good

Footage: Wet / Dry Dry: 0-195'
Wet: 195-505'

Comments:

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	505		-90	—			

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 1 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
		DOZER																		
0		Bleached well silicified fine grtuff minor epiclastic component, qtz vn lined w/ limonite, weak stkwk qtz, trace hemitic frags, weak white limonitic clays, pervasive Calcedonic SiO_2		XXXc Xk				BUFF				wk FeOx replac py		<.001		<.1				
5		more peach buff color same w/ weak banded calcedony weak local green alt (chl?), drvzy-wk qtz vn no evident epiclastic		XXXc Xk				"				WK to lg FeOx replac py		<.061		<.1				
10		same w/ ↑ stkwk qtz & weak vein Δ iation ↑ clay alt to peach-white		XXc Xk				"				tr limon replac py	tr black metallic w/ assoc hemitic	<.001		<.1				
15		same & dark buff coloration to weak gray → possibly due to very fine diss py now @ bleached		XXXc Xk				"				"		<.001		<.1				
20		same - dark buff to weak gray (sulfides?) mod. limonitic clay, tr red (hemit) frags		XXXc Xk				"				wk poss hem replac py		<.001		<.1				
25		same - lighter buff white mod limonitic and white clays		XX				"				" @ tr		<.001		<.1				
30		same w/ weak local green (convald-to mess) mod red orange clay, wk drvzy qtz weakly lithic		XXXc Xk				RED				"		<.001		<.1				
35		same more tan to gray w/ lithics - finely fragmental possibly brecciated weak		XXc Xk				RED				"		.011		<.1				
40		same - tan to wk gray lithic, wk green mod str FeOx clay wk ↑ clay limonite & wk red clay		XXc Xk				BUFF				"		.001		.11				
45		same - more lt buff w/ hint green pervasive limonitic		XXc				"				"		.008		<.1				
50																				

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 2 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ALTERATION: ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	MINERALIZATION: LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au V	Ag	As	Hg	Sb	Se
50-		Buff to hint green lithic tuff, pervasive calcedonic silicification, lithics clay alt tr Xtal qtz, greenish deep moss locally		XXc				BUFF				tr limen replac py		.001		<.1				
55-		Same w/ ↑ green moss color wk transl white qtz vns, tr druzy w/ assoc FeOx		XXc				GREEN-ISH BUFF				"		<.001		<.1				
60-		Same w/ ↑ clay ↓ SiO2 ↓ green mod creamy clay		XXc XK				"				"		<.001		<.1				
65-		Same w/ pervasive mod moss green ↑ stkwk qtz few pink purple frags		XXc XK				"				"		<.001		<.1				
70-		Same ↓ SiO2 ++ ↑ clay	CLAY	X c XK				burnt org				"		.002		<.1				
75-		Same w/ ↑↑ clay ↓ SiO2	CLAY	Xc				"				"		<.001		<.1				
80-		Same w/ Strong white-gray ± green clay w/ py + SiO2 veins + wm clay frags more gray locally	CLAY	XXc				GREEN				2%+ fine diss sulf assoc	w SiO2 VNS	.001		.36				
85-		Same w/ predom 1+ army green frags minor gray frags	CLAY	X/c				"				2-3% diss + VN py		<.001		<.1				
90-		Same w/ gray, green frags ↑↑ clay str sulfides assoc w/ clays sulfides may be up to 5%+	CLAY	Xc				GREEN BRAWN				11+ ? due to clay seams	MOIST	<.001		<.1				
95-		Same - lt green white to limonite w/ tr gray		Xc				BUFF				~2% local concen		.015		<.1				
100-																				

L[illegible] MINERALS U.S.A. INC.

LAC

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RE-3 PAGE 3 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ALTERATION ARGILLIC W M S	ALTERATION SILICIFICATION W M S	ALTERATION PROPYLLITIC W M S	COLOR FINES	MINERALIZATION LIMONITE W M S	MINERALIZATION HEMATITE W M S	MINERALIZATION JAROSITE W M S	% SULFIDES	OTHER COMMENTS	ANALYSES Au	Au V	Ag	As	Hg	Sb	Se
100		mottled w/ predom jade green to buff to wk emerald green fine grained lithic tuff, weak pervasive SiO2 wk druzy qtz stkwork hairline qtz VNS local vein Δm weak white clay ± FeOx lithics clay alt		XX XK				GREEN				5-7% diss ±VN py		<.001		<.1				
105		same w/ lt mint green bulk color wk white gray clay		XXc XK				"				1-2% VN ±SiO2 py		<.001		<.1				
110		same - lt mint army green ; gray white ↑ clay wk SiO2 encap py veins		Xc XK				"				~3%+ fine diss ; VN py		<.001		<.1				
115		same - jade green ; lt gray whk hard white clay SiO2 encap py VNS wk blue mineral ⇒ like @ sleeper		Xc XKW				"				3%+ VN ; diss py		<.001		<.1				
120		same - more gray than jade green tr white clay more SiO2 encap (druzy) py VNS		Xc XK				gray				4-5% VN ; diss py	poss ↑↑ buff	.001		<.1				
125		same , predom dark buff to pinkish white clay - tr		XK Xc				"				~3% SiO2 encap py ± diss		.003		<.1				
130		same green to hint purple tr white clay tr redorg clay druzy SiO2 encap py		XK X				green				"		.002		.12				
135		same - green to buff to white locally fragmental SiO2 encap py veins green hairline stkwk						green + gray				4-5% VN ; ± diss py	tabby sulf veins ± SiO2	.001		<.1				
140		same - mottled jade green to lt lilac buff wk white hard clay good druzy qtz encap py VNS		XK				"				"	" ← or more	<.001		.11				
145		same " " " " " " " bladed sulfide in white clay		XK				"				"		.002		.14				
150																				

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 4 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ALTERATION ARGILLIC W M S	SILICIFICATION W M S	PROPYLLITIC W M S	COLOR FINES	MINERALIZATION LIMONITE W M S	HEMATITE W M S	JAROSITE W M S	% SULFIDES	OTHER COMMENTS	ANALYSES Au	Au V	Ag	As	Hg	Sb	Se
150		mod burg brown fragmental weak white fairly hard clay pervasive SiO2 stkwork SiO2 encap py, tr grün clay						gray				~5% plus vn; diss py	also str bladed tabby sulfide	<.001		<.1				
155		same - more green; wk gray ↑ stwk; clvzy SiO2 + py vns ↑ clay						"				7%+ vn tabby, diss sulf		.006		.15				
160		same - pervasively bleached lt mint green to hint gray						"				2-3% diss py ± vn sulf		<.001		<.1				
165		lt army green; lt white gray exact texture difficult to distinguish clvzy SiO2 encap py + py in clays						"				3-5% vn; diss sulf		<.001		<.1				
170		same w/ ↑ SiO2 + clay						greenish gray				2-3% vn; diss sulf		<.001		.15				
175		same ↑ SiO2 ↓ clay w/ dkp green gray color, locally vuggy py vns						greenish green				~4% vn; diss py	bladed sulf present	.01		<.1				
180		same - buff to green to gray						gray				"	"	.003		.21				
185		same w/ wk lt gray clay wk to mod SiO2 encap py						gray				"	"	.003		<.1				
190		same - buff to flesh color wk white clay						"				4-5% vn; diss py	tabby sulfide present	.002		.17				
HH 12 TO 195		flesh fine gr tuff pervasively silicified w/ calced SiO2 wk white clay weak gray mottling						"				7-8% diss tabby py	SiO2 encap tab sulf vns	.001		<.1				
200																				

COOKS GOOD

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 5 OF 10

RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
200 *	Buffy - weakly bleached fine grr tuff ± fragmental to white hard clay wk pervasive SiO2 druzy SiO2 encap py veins, weak epiclastic component	v?	XK X Xc				gray				3-4% fine diss ; VN sulf	tabby + py	<.001		<.1				
205 *	same w/ intense gray clay gouge w/ assoc sulfides	CLAY	XK X				"				4-6% diss ; VN sulf	"	.005		.41				
210 *	same w/ weak flesh coloration	CLAY	XK X				"				~4% VN ; diss sulf	"	.005		<.1				
215 *	same pervasively lt gray w/ SiO2 encap py to good druzy qtz	CLAY	XK				"				~6-7% VN ; diss py	"	.009		.16				
220 *	same - buff to lt gray ↑ qtz encap sulfide VNS pervasive tabby sulfide	CLAY	XC XK				"				"	"	.035		<.1				
225 *	same buff to lt gray good SiO2 + py? VNS	CLAY	XK X				"				"	"	.07		.11				
230 *	weakly bleached same w/ flow banded SiO2 + py predom tabby sulfide	CLAY	X XV XK				"				7% + diss ; VN sulf	"	.198	.208	.35				
235 *	same pervasive tabby sulfides local good druzy encap sulf VNS		XK XV				"				" ; up to 8-9%	"	.134	.145	.65				
240	same buff to flesh ↑ stkwk qtz good SiO2 encap sulfide VNS weak gray clay		XKK				"				"	"	.60	.648	.98				
245	same buff to hint army green ↓ druzy SiO2 encap py VNS ↓ stkwk few clay + py balls	CLAY	XK				"				~4% diss ± VN py	"	.085		.27				
250																			

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 6 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ALTERATION: ARGILLIC (W M S)	ALTERATION: SILICIFICATION (W M S)	ALTERATION: PROPYLLITIC (W M S)	COLOR FINES	MINERALIZATION: LIMONITE (W M S)	MINERALIZATION: HEMATITE (W M S)	MINERALIZATION: JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	ANALYSES: Au	Au V	Ag	As	Hg	Sb	Se
250		Buff to mint army green fine grained tuff wk orange calcedonic fine stkwk weak pervasive clay alt local py + clay ? py + SiO2 assoc		Xk Xc				gray				~3% fine diss sulf + vn py	tabby + py sulfide	.034		.14				
255		tr army green fine grained tuff fine hairline stkwk - locally emerald green color wk gray white clay tr druzy qtz encap py vns		Xk				green				~3% fine dissem + vn	"	.006		.16				
260		same - weak peach mottlation w/ good tabby dissem sulfides tr white clay trace qtz + py vns		Xk				gray green				3-4% tabby + py sulf diss	"	.015		<.1				
265		same - predom lt army green tuff w/ pale green calcedony veins wk SiO2 stkwk, tr qtz-py veins, tr white clay		Xk Xc				"				~2% diss py ± fine vns		.088	.063	.17				
270		same local flesh coloring ↑ SiO2 vns - translucent ± sulfides weak calcite veins		Xc Xk				"				4% ± vn; diss py	+ tabby sulf	.026		<.1				
275		same wk mint green pervasive w/ CaCO3 vns, wk white hard clay		Xc Xk				"				~3-4% vn; diss py	"	.017		<.1				
280		same w/ calcite vns		Xc Xk				"				"	"	.014		<.1				
285		same w/ calcite vns w/ wk druzy qtz encap py vns		Xc Xk				gray				"	"	.019		.35				
290		same wk calcite vns wk pale fine stkwk tr SiO2 encap py vns		Xc Xk				"				"	"	.015		.17				
295		same wk calcite vns tr limon alt tr white clay		Xk Xc				"				"		.009		<.1				
300																				

CHANGE TO

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 7 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ARGILLIC (W M S)	SILICIFICATION (W M S)	PROPYLLITIC (W M S)	COLOR FINES	LIMONITE (W M S)	HEMATITE (W M S)	JAROSITE (W M S)	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
300		Light army green w/ seams of deep jade green fine grained tuff to epiclastic break calcite veining, wk drusy qtz veins weak green gray clay veins, tr buff to gray, org calcedonic frags		Xk Xc				green gray				~3% VN fine diss py		.009		<.1				
305		same		Xk Xc				"				"		.007		<.1				
310		same		Xk Xc				"				"		.011		<.1				
315		same w/ wk pervasive clay alt wk SiO2 encap py veins.		Xv Xc				"				"		.014		<.1				
320		same tr white hard clay		Xc Xk				"				"		.009		<.1				
325		same w/ mod strong calcite veins		Xk Xc				"				"	bladed sulfide present	.017		<.1				
330		same - w/ tr black opaque mineral wk banded calcedony, wk calcite possibly dark metallic silver mineral		Xc Xk				"				"	"	.04		<.1				
335		same w/ wk SiO2 encap py veins trace black opaque		Xc Xk				"				~2% fine diss	"	.175	.237	.18				
340		same wk SiO2 + py VNS		Xk Xc				"				"	"	.01		.32				
345		same wk black opaque mineral		Xk				"				"	"	.004		<.1				
350																				

L.A. MINERALS U.S.A. INC.

LAC

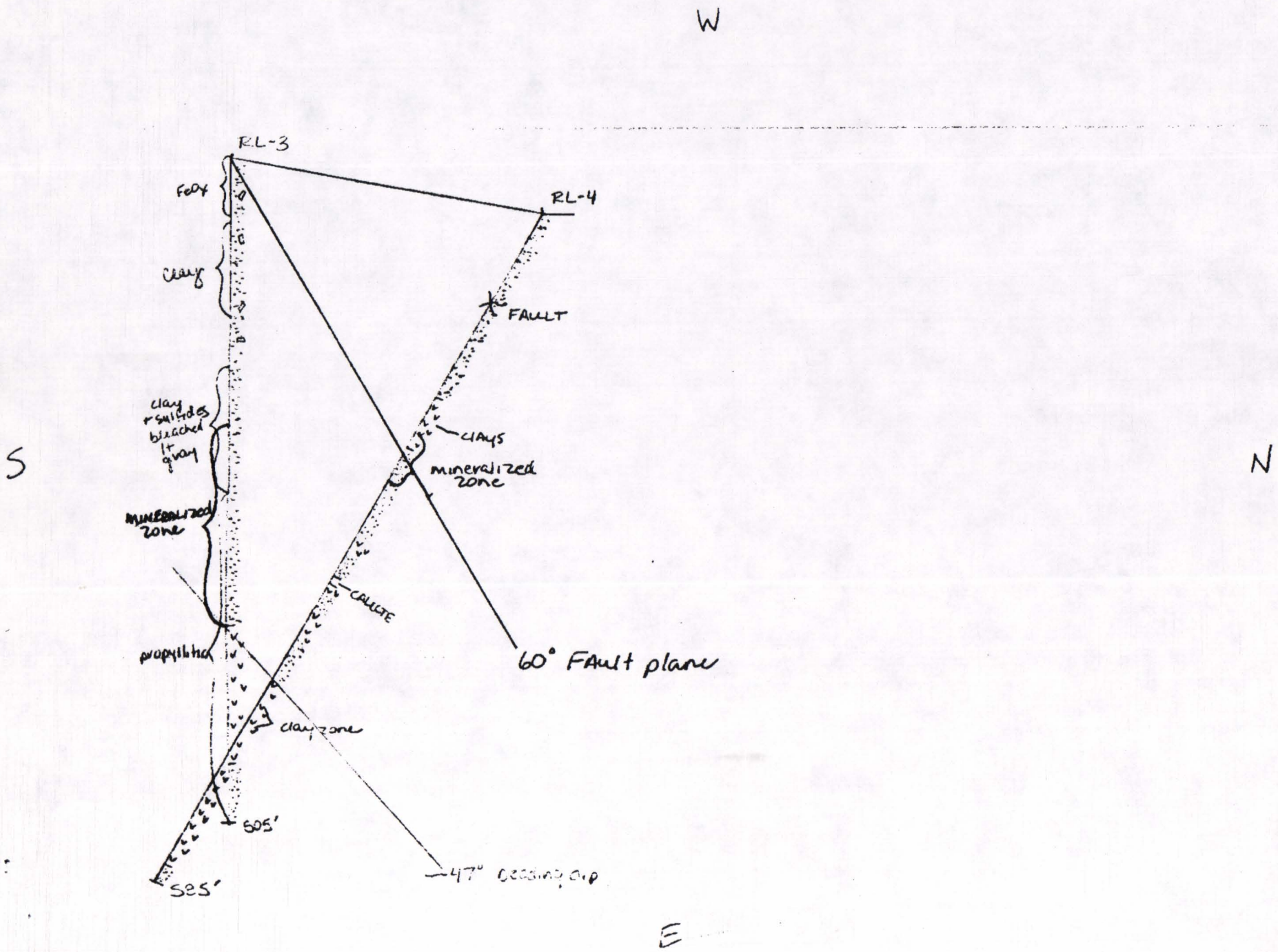
PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 8 OF 10

Depth	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ARGILLIC W M S	SILICIFICATION W M S	PROPYLLITIC W M S	COLOR FINES	LIMONITE W M S	HEMATITE W M S	JAROSITE W M S	% SULFIDES	OTHER COMMENTS	Au	Au V	Ag	As	Hg	Sb	Se
		Fine fragmental - Bud? Breccia																		
350		Light army to medium pale green trace drusy qtz vns pervasive clay alt trace black opaque mineral wk calcite vns weak calcedonic SiO2 tr banded calcedony lithics white clay alt		Xv Xc				green gray				~2% diss py	tr bladed sulfides	.015		<.1				
355		Same		Xk				"				"	"	.001		<.1				
360		Same		Xk				"				"	"	.002		<.1				
365		Same wk SiO2 encap py vn		Xk				"				"	"	.001		<.1				
370		Same tr burgundy burn mineral wk banded calcedony		Xc Xk				"				"	"	.002		<.1				
375	MODERATE	Same w bladed sulfides black opaque metallic ? py weak banded calcedony wk drusy qtz w SiO2 tr burg burn mineral		Xc Xv				GREEN				4% diss ; vn sulfid	bladed sulfide + black metall	<.001		<.1				
380	POOR	Same w strong clay alt - makes sulfide content difficult to distinguish		Xv				"				" ?	"	<.001		<.1				
385		Same green Bud w intermittent calcedonic silicif ? stk wk		Xc Xk				"				3-4% diss; vn py	"	.002		<.1				
390		Same clay alt lithics (frags) w bladed sulfides wk SiO2 encap py vns		Xc				"				"	"	.002		<.1				
395		Same " " " " " " "						"				2-3% @ ↑	"	.001		<.1				
400																				

LAC MINERALS U.S.A. INC.

PROJECT ROSEBUD LOGGED BY KLK HOLE NO. RL-3 PAGE 10 OF 10

	RECOVERY	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	GRAPHIC ALT	ALTERATION ARGILLIC W M S	SILICIFICATION W M S	PROPYLLITIC W M S	COLOR FINES	MINERALIZATION LIMONITE W M S	HEMATITE W M S	JAROSITE W M S	% SULFIDES	OTHER COMMENTS	ANALYSES Au	Au V	Ag	As	Hg	Sb	Se
450		Lite Bleached Buff w/ hint mint green stockwk hairline qtz pervasive green argillic alt weak epiclastic component tr xtaline qtz vns tr white clay, weakly pervasively calcareous						gray green				~2% tabby sulfide diss		.001		<.1				
455		same w/ tr SiO2 + py vns						"				1-2% diss py		<.001		<.1				
460		same						"				2% diss in py	wk tabby sulfide	.001		<.1				
465		same						"				1-2% fine diss sulf		.001		<.1				
470		same						"				"	tr py in SiO2	.002		<.1				
475		same						"				2% diss sulf	py > tabby sulf	.002		<.1				
480		same w/ wk milky white qtz weak pervasive bleach						"				1-2% diss py		.004		.12				
485		same – wk stkwk qtz wk pervasive SiO2 weak waxy white clay tr pyrite veins						"				"	wk bleached sulf.	.001		<.1				
490		same						"				"		.001		<.1				
495		same						"				"		.002		<.1				
500																				
505		same		"	"		"	"						.001		<.1				


W
S
N
E
RL-3
RL-4
FeOx
clay
FAULT
clay + sulfides bleached lt gray
CLAYS
mineralized zone
MINERALIZED zone
CALCITE
propylitic
60° FAULT plane
clay zone
505'
565'
47° bedding dip

NEVADA GSI GEOCHEMICAL SERVICES, INC.

JUN 26 1989

GEOCHEMICAL ANALYSIS REPORT

June 16, 1989

Kristen Kenner
LAC Minerals USA, Inc.
1475 Greg St.
Sparks, NV 89431

Number of Samples: 5
GSI Number: 3948A
Analysis: Gold 1 assay ton checks.

	Sample I.D.	Au o/t
1	94 RL-3 230 - 235	0.208
2	95 RL-3 235 - 240	0.145
3	96 RL-3 240 - 240	0.648
4	101 RL-3 265 - 270	0.063
5	115 RL-3 335 - 340	0.237

==========

This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

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

G-3948

Lac Minerals

	Sample I.D.				Au o/t	Ag o/t
29	SAMPLE:	RE-2	425	430	0.001	<.10
30	SAMPLE:	RE-2	430	435	0.004	<.10
31	SAMPLE:	RE-2	435	440	0.003	<.10
32	SAMPLE:	RE-2	440	445	0.008	0.25
33	SAMPLE:	RE-2	445	450	0.001	<.10
34	SAMPLE:	RE-2	450	455	0.001	<.10
35	SAMPLE:	RE-2	455	460	<.001	<.10
36	SAMPLE:	RE-2	460	465	<.001	<.10
37	SAMPLE:	RE-2	465	470	<.001	<.10
38	SAMPLE:	RE-2	470	475	<.001	0.11
39	SAMPLE:	RE-2	475	480	<.001	<.10
40	SAMPLE:	RE-2	480	485	<.001	<.10
41	SAMPLE:	RE-2	485	490	<.001	0.41
42	SAMPLE:	RE-2	490	495	<.001	0.54
43	SAMPLE:	RE-2	495	500	<.001	<.10
44	SAMPLE:	RE-2	500	505	<.001	<.10
45	SAMPLE:	RE-2	505	510	<.001	<.10
46	SAMPLE:	RE-2	510	515	<.001	<.10
47	SAMPLE:	RE-2	515	520	<.001	<.10
48	SAMPLE:	RL-3	0	5	<.001	<.10
49	SAMPLE:	RL-3	5	10	<.001	<.10
50	SAMPLE:	RL-3	10	15	<.001	<.10
51	SAMPLE:	RL-3	15	20	<.001	<.10
52	SAMPLE:	RL-3	20	25	<.001	<.10
53	SAMPLE:	RL-3	25	30	<.001	<.10
54	SAMPLE:	RL-3	30	35	<.001	<.10
55	SAMPLE:	RL-3	35	40	0.011	<.10
56	SAMPLE:	RL-3	40	45	0.001	0.11
57	SAMPLE:	RL-3	45	50	0.008	<.10
58	SAMPLE:	RL-3	50	55	0.001	<.10
59	SAMPLE:	RL-3	55	60	<.001	<.10
60	SAMPLE:	RL-3	60	65	<.001	<.10
61	SAMPLE:	RL-3	65	70	<.001	<.10
62	SAMPLE:	RL-3	70	75	0.002	<.10
63	SAMPLE:	RL-3	75	80	<.001	<.10
64	SAMPLE:	RL-3	80	85	0.001	0.36
65	SAMPLE:	RL-3	85	90	<.001	<.10
66	SAMPLE:	RL-3	90	95	<.001	<.10
67	SAMPLE:	RL-3	95	100	0.015	<.10
68	SAMPLE:	RL-3	100	105	<.001	<.10
69	SAMPLE:	RL-3	105	110	<.001	<.10
70	SAMPLE:	RL-3	110	115	<.001	<.10
71	SAMPLE:	RL-3	115	120	<.001	<.10
72	SAMPLE:	RL-3	120	125	0.001	<.10
73	SAMPLE:	RL-3	125	130	0.003	<.10
74	SAMPLE:	RL-3	130	135	0.002	0.12

	Sample I.D.	Au o/t	Ag o/t
75	SAMPLE: RL-3 135 140	0.001	<.10
76	SAMPLE: RL-3 140 145	<.001	0.11
77	SAMPLE: RL-3 145 150	0.002	0.14
78	SAMPLE: RL-3 150 155	<.001	<.10
79	SAMPLE: RL-3 155 160	0.006	0.15
80	SAMPLE: RL-3 160 165	<.001	<.10
81	SAMPLE: RL-3 165 170	<.001	<.10
82	SAMPLE: RL-3 170 175	<.001	0.15
83	SAMPLE: RL-3 175 180	0.010	<.10
84	SAMPLE: RL-3 180 185	0.003	0.21
85	SAMPLE: RL-3 185 190	0.003	<.10
86	SAMPLE: RL-3 190 195	0.002	0.17
87	SAMPLE: RL-3 195 200	0.001	<.10
88	SAMPLE: RL-3 200 205	<.001	<.10
89	SAMPLE: RL-3 205 210	0.005	0.41
90	SAMPLE: RL-3 210 215	0.005	<.10
91	SAMPLE: RL-3 215 220	0.009	0.16
92	SAMPLE: RL-3 220 225	0.035	<.10
93	SAMPLE: RL-3 225 230	0.070	0.11
94	SAMPLE: RL-3 230 235	0.198	0.35
95	SAMPLE: RL-3 235 240	0.134	0.65
96	SAMPLE: RL-3 240 245	0.600	0.98
97	SAMPLE: RL-3 245 250	0.085	0.27
98	SAMPLE: RL-3 250 255	0.034	0.14
99	SAMPLE: RL-3 255 260	0.006	0.16
100	SAMPLE: RL-3 260 265	0.015	<.10
101	SAMPLE: RL-3 265 270	0.088	0.17
102	SAMPLE: RL-3 270 275	0.026	<.10
103	SAMPLE: RL-3 275 280	0.017	<.10
104	SAMPLE: RL-3 280 285	0.014	<.10
105	SAMPLE: RL-3 285 290	0.019	0.35
106	SAMPLE: RL-3 290 295	0.015	0.17
107	SAMPLE: RL-3 295 300	0.009	<.10
108	SAMPLE: RL-3 300 305	0.009	<.10
109	SAMPLE: RL-3 305 310	0.007	<.10
110	SAMPLE: RL-3 310 315	0.011	<.10
111	SAMPLE: RL-3 315 320	0.014	<.10
112	SAMPLE: RL-3 320 325	0.009	<.10
113	SAMPLE: RL-3 325 330	0.017	<.10
114	SAMPLE: RL-3 330 335	0.040	<.10
115	SAMPLE: RL-3 335 340	0.175	0.18
116	SAMPLE: RL-3 340 345	0.010	0.32
117	SAMPLE: RL-3 345 350	0.004	<.10
118	SAMPLE: RL-3 350 355	0.015	<.10
119	SAMPLE: RL-3 355 360	0.001	<.10
120	SAMPLE: RL-3 360 365	0.002	<.10

Sample I.D.		Au o/t	Ag o/t
121 SAMPLE:	RL-3 365 370	0.001	<.10
122 SAMPLE:	RL-3 370 375	0.002	<.10
123 SAMPLE:	RL-3 375 380	<.001	<.10
124 SAMPLE:	RL-3 380 385	<.001	<.10
125 SAMPLE:	RL-3 385 390	0.002	<.10
126 SAMPLE:	RL-3 390 395	0.002	<.10
127 SAMPLE:	RL-3 395 400	0.001	<.10
128 SAMPLE:	RL-3 400 405	0.004	<.10
129 SAMPLE:	RL-3 405 410	<.001	<.10
130 SAMPLE:	RL-3 410 415	<.001	<.10
131 SAMPLE:	RL-3 415 420	0.001	<.10
132 SAMPLE:	RL-3 420 425	0.006	0.12
133 SAMPLE:	RL-3 425 430	0.003	0.13
134 SAMPLE:	RL-3 430 435	0.003	<.10
135 SAMPLE:	RL-3 435 440	0.001	<.10
136 SAMPLE:	RL-3 440 445	0.001	<.10
137 SAMPLE:	RL-3 445 450	0.001	<.10
138 SAMPLE:	RL-3 450 455	0.001	<.10
139 SAMPLE:	RL-3 455 460	<.001	<.10
140 SAMPLE:	RL-3 460 465	0.001	<.10
141 SAMPLE:	RL-3 465 470	0.001	<.10
142 SAMPLE:	RL-3 470 475	0.002	<.10
143 SAMPLE:	RL-3 475 480	0.002	<.10
144 SAMPLE:	RL-3 480 485	0.004	0.12
145 SAMPLE:	RL-3 485 490	0.001	<.10
146 SAMPLE:	RL-3 490 495	0.001	<.10
147 SAMPLE:	RL-3 495 500	0.002	<.10
148 SAMPLE:	RL-3 500 505	0.001	<.10

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

RL-3 QUICK LOG Feb 5, 1990

0-35 Fine grained silicified tuff (may just be intensely alt Bud

35-190 Bleached to green Bud Breccia pyroclastic
pers. smectite, mod pers clay alt
150 → 190 ↓ smectite alt ↑ bleaching peach + green pyro
70-95 mod str gray white clay

Bud

190-255 Peach to white tuff breccia or
alt pyroclastic → more likely
w/ pers. clay alt

255-300 Lt hinr sage green FGT w/
green waxy clay veins to chalcedony veins
whey bleached; wh argillic clay alt

300-410 Mixed pyroclastic; local FGT
weak smectite ± nontronite alt
is predom pyroclastic moving into
chicken pox pyroclastic

Bud

410-445 moving towards black matrix breccia
(pyroclastic) 440-445 ↑ bleach + clay alt

445-490 Bleached; clay alt SGT v. weak green
locally brecciated

490-510 SGT marker tuff