60001300

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. RE-66
AUTHOR	K. Kenner; R. Grondin; B. Conrelly
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; Ecklund Drilling Lac Minerals (USA) Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 525' handwritten notes 11p

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 RE-66

ROSEBUD

60001300 4010

60001300

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

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RE-66 TOTAL DEPTH 525' LOGGED BY KLK

Date started MAR. 26, 1990 0-285' 2:30pm

Date completed Mar. 27, 1990 285-525' 10:30 Am

Initial bearing S 51.5° E

Initial inclination -60°

Elevation 5279.8

Collar coordinates:

N 2,203,325.0

E 481,188.5

Contractor: EKLUND DRILLING

Drill Type: MPD-1000 RVC

Hole Size: hammer 4 3/4"

Drilling Conditions: Good

Footage: Wet / Dry Dry: 0-255'

Wet: 255' to T.D.

Comments: never got into much H2O remained quite muddy even through mineralized zone fast drilling - needed constant help to SGT, no problems

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	50		-60	S 51.5 E			
50	150		-62	"			
150	250		-64	"			
250	350		-66	"			
350	450		-68	"			
450	525		-69.5	"			

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 RE-66

Page 1 of 6

LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK
		Xc X							orange buff				tr	0-105 fine grained chocolate tuff, pyr, FeOx weakly pyr distributed	.003	L	
05		Xc X							"				vg 1 "	local chalcedony and wh local pyr, str stockwork, local druzy	.001	L	
10		Xc X							"				"	gypsum	.001	L	
15		Xc Xk X							"				"		.002	L	
20		X X							"				"	20-50 mod golden orange to red orange clay	.002	L	
25		X							"				"		.002	L	
30		Xk X							"				"		.001	L	
35		X							"				"		.001	L	
40		Xk X							"				"		.002	L	
45		X							"				"		.002	L	
50		X							"				"		.001	L	
55		Xk X							"				"		.005	L	
60		X							"				"		.002	L	
65		X							"				"	65-80 mod limon clay	.003	L	
70		Xk X							"				"		.005	L	
75		X							"				"		.002	L	
80		X							"				"		.002	L	
85		X							"				"	wh red orange clay	.002	L	
90		X							"				"		.003	L	
95		Xk X							"				"		.003	.10	
100																	

LAC MINERALS (U.S.A.) INC.
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DOZER WELDED TUFF

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SILICIFICATION
OXIDIZED
DRUZY QUARTZ
CHALCEDONIC QUARTZ
STOCKWORK QUARTZ
PROPYLITIZATION
CALCITE

DRILL HOLE RE-66

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LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
		Xc							orange buff				tr FeOx repac diss py	0-105 FGT CONTINUED	.004	.22		
105		HH							green white w/ hint orang				"	105-170 OXIDIZED; BLEACHED BUD PYROCLASTIC w/ local druzy qtz VNS w/ FeOx clay	.003	L		
110		HH							"				"	fill w/ lab. grn. argillic clay alt, chalcedony vns @ depth	.004	.11		
115		HH							"				"		.004	.12		
120		HH							"				"		.004	.13		
125		HH							"				"		.003	.18		
130		HH							"				"		.003	.25		
135									"				"		.002	.23		
140		HH							"				"		.003	L		
145		HH							"				"		.003	.11		
150		HH							"				"		.003	L		
155		HH Xc							"				"		.004	.19		
160		Xc							"				"		.003	.11		
165		Xc							"				"		.003	.13		
170		Xc P							green + buff				2% of diss + VN py	170 - 335' Ox Bound RE mottled flesh & green	.004	L		
175		Xc P							"				"	pyroclastic ↑ smectite alt w/ depth, w/ white clay in fractures w/ local druzy	.002	L		
180		Xc P							"				"	qtz VNS, local chalcedony VNS	.002	L		
185		P							"				"		.001	L		
190		HH P							"				"	w/ limonitic clay alt	.005	.17		
195		Xc P							"				"		.004	L		
200																		

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DRILL HOLE RE-66

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LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK
		P							green tbuff				2% diss + VN py	170-335' mottled flesh? green fragmental weak to 200-205 wk limont	.003	L	
205		P Xc							"				"	mod drusy qtz ± pyrite clayp uns w/ local white clay fill local chalcedony/uns	.002	L	
210		P							"				"		.002	L	
215		P							"				"		.003	L	
220		P							"				"		.003	L	
225		P							"				" @ 2-3%		.004	L	
230		P							"				" @ ±2%		.003	.20	
235		P							"				"	235-250 w/ L+ mustard green clay gouge	.003	L	
240		P							"				"		.003	.18	
245		P							"				"	HIT H_2O	.004	L	
250		Xc P							"				" @ 2-3%	wk WHITE CLAYS WENT TO H_2O	.003	L	
255		Xc P							"				"	250-265 w/ tan fine grained tuff	.004	.22	
260		Xc P							"				"	component w/ fine qtz stockwork	.003	.25	
265		Xc P							"				"		.004	.11	
270		Xc P							"				" @ ±2%		.003	.12	
275		P							lr green/white				"	STRONG WHITE CLAYS ↑ BL	.002	L	
280		Xc P							"				"	w/ ↓ buff tuff comp	.003	.12	
285		Xc P							"				"	w/ WHITE WAXY CLAY	.001	L	
290		P							"				"		L	L	
295		Xc P							"				"		.001	L	
300																	

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DRILL HOLE RE-66

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LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK
	v v v	~ P							lt white grey + buff				±3% diss + VN py	170-335 CONTINUED GREEN + BUFF LAHARIC BRECCIA - PYROCLASTIC	.002	L	
305	v v v	~ HH P							"				"	↑ perv. bleaching wk ↑ perv. clay alt	.001	L	
310	v v v	~ P							"				"		.001	L	
315	v v v Δ	~ P							"				"		.001	L	
320	v Δ v v	~ Xc P							"				"		.001	L	
325	v v v	~ Xc P							"				"		.001	L	
330	v v v	~ Xc P							"				"		.003	L	
335	Δ Δ	~ Xc HH							"				"	335-467' 2nd's TAKEN BUD TUFF BRECCIA	.002	L	
340	Δ Δ	~ HH							flesh				"	dominately brecciated weakly intermittently silicified local soft white clay gouge, local druzy qtz sulfide vns, local chalcedony vns ± pyrite	.003	L	
345	Δ Δ	~ HH							"				"	finely diss	.004	L	
350	Δ Δ	~ HH							"				4-5% diss + VN		.006	L	
355	Δ Δ	~ HH							"				py "		.005	L	
360	Δ Δ	~ HH							flesh + gray				"		.005	L	
365	Δ Δ	~ HH							"				"		.004	L	
370	Δ Δ	~ HH							"				"		.011	L	
375	Δ Δ	~ HH							"				"		.005	L	
380	Δ Δ	~ HH							"				"		.010	L	
385	Δ Δ	~ HH							"				"		.008	L	
390	Δ Δ	~ Xc HH							"				"		.007	L	
395	Δ Δ	~ Xc P							"				"	trace nontronite alt intermittently	.007	L	
400																	

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DRILL HOLE RE-66

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LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK
		XC							flesh tanny				+4% diss +vn	335-467 BUD TUFF BRECCIA CONTINUED	.061	1.90	
405		XC							"				P4 "	↑ chalcedony vns w/ depth	.053	3.30	
410									"				"		.339	14.70	
415									"				"		.017	.31	
420		XC							"				"		.020	.34	
425		XC							"				"	425-435 ↑ chalcedonic silicification	.017	.71	
430		XC							flesh				"	↓	.011	.57	
435		XC							"				~3%		.023	.79	
440		XC							"				"	440-450 wk white clay	.023	.43	
445		XC							"				"	↓	.022	L	
450		XC							"				"		.026	.77	
455		XC ca							green gray flesh				"	455-467 South Ridge FAULT	.033	.63	
460		XC ca							"				"	mod str. dk green clay gouge mod/str caco3 vns	.015	.39	
465		ca							"				~2% diss P4	467-525 DOZER SAGE GREEN FINE	.021	.65	
470		ca							sage green				"	GRAINED TUFF weak perv. bleaching, locally granular texture w/ calcite vns	.019	.79	
475									mustard green				"		.017	.73	
480									sage green				"		.005	L	
485									"				"		.002	L	
490									"				"		.002	L	
495									"				"		.005	.17	
500																	

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LOGGED BY KLK

	LITH.	ALT.	% ARG. ALT. W	M	S	% SIL'N W	M	S	COLOR	% FeOx W	M	S	% SULF.	COMMENTS	Au	Ag	CHECK	
		XK							sage green				±1% diss py	467-525 DOZER TUFF CONTINUED	.003	L		
505		XCK							"				"	w/ mottled bleaching local micro Δ in vugs	.002	L		
510		XCK							"				"		L	L		
515		XCK							burg brown				"	515-525 into burg brown coloration	L	L		
520		XCK							"				"		L	L		
525														525' T.D.				
30																		
35																		
40																		
45																		
50																		
55																		
60																		
65																		
70																		
75																		
80																		
85																		
90																		
95																		
00																		

APR 16 1990

NEVADA GSI

GEOCHEMICAL ANALYSIS REPORT

April 10, 1990

Ms. Kristen Kenner
Lac Minerals
1395 Greg Street #107
Sparks, Nv. 89431

Number of Samples: 57
Project: URBD-79014
GSI Number: 6820
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.			Au o/t	Ag o/t
1.	RE-66	0	5	0.003	<.10
2.	RE-66	5	10	0.001	<.10
3.	RE-66	10	15	0.001	<.10
4.	RE-66	15	20	0.002	<.10
5.	RE-66	20	25	0.002	<.10
6.	RE-66	25	30	0.002	<.10
7.	RE-66	30	35	0.001	<.10
8.	RE-66	35	40	0.001	<.10
9.	RE-66	40	45	0.002	<.10
10.	RE-66	45	50	0.002	<.10
11.	RE-66	50	55	0.001	<.10
12.	RE-66	55	60	0.005	<.10
13.	RE-66	60	65	0.002	<.10
14.	RE-66	65	70	0.003	<.10
15.	RE-66	70	75	0.005	<.10
16.	RE-66	75	80	0.002	<.10
17.	RE-66	80	85	0.002	<.10
18.	RE-66	85	90	0.002	<.10
19.	RE-66	90	95	0.003	<.10
20.	RE-66	95	100	0.003	0.10
21.	RE-66	100	105	0.004	0.22
22.	RE-66	105	110	0.003	<.10
23.	RE-66	110	115	0.004	0.11
24.	RE-66	115	120	0.004	0.12
25.	RE-66	120	125	0.004	0.13
26.	RE-66	125	130	0.003	0.18
27.	RE-66	130	135	0.003	0.25
28.	RE-66	135	140	0.002	0.23
29.	RE-66	140	145	0.003	<.10
30.	RE-66	145	150	0.003	0.11
31.	RE-66	150	155	0.003	<.10
32.	RE-66	155	160	0.004	0.19
33.	RE-66	160	165	0.003	0.11
34.	RE-66	165	170	0.003	0.13

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	Sample I.D.			Au o/t	Ag o/t
35.	RE-66	170	175	0.004	<.10
36.	RE-66	175	180	0.002	<.10
37.	RE-66	180	185	0.002	<.10
38.	RE-66	185	190	0.001	<.10
39.	RE-66	190	195	0.005	0.17
40.	RE-66	195	200	0.004	<.10
41.	RE-66	200	205	0.003	<.10
42.	RE-66	205	210	0.002	<.10
43.	RE-66	210	215	0.002	<.10
44.	RE-66	215	220	0.003	<.10
45.	RE-66	220	225	0.003	<.10
46.	RE-66	225	230	0.004	<.10
47.	RE-66	230	235	0.003	0.20
48.	RE-66	235	240	0.003	<.10
49.	RE-66	240	245	0.003	0.18
50.	RE-66	245	250	0.004	<.10
51.	RE-66	250	255	0.003	<.10
52.	RE-66	255	260	0.004	0.22
53.	RE-66	260	265	0.003	0.25
54.	RE-66	265	270	0.004	0.11
55.	RE-66	270	275	0.003	0.12
56.	RE-66	275	280	0.002	<.10
57.	RE-66	280	285	0.003	0.12

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This report reviewed and approved by:

Richard A. Grondin

Richard Grondin, Operations Manager

NEVADA GSI

APR 19 1990

GEOCHEMICAL ANALYSIS REPORT

April 13, 1990

Ms Kristen Kenner
Lac Minerals
1395 Greg St. #107
Sparks, NV 89431

Number of Samples: 48
Project #: URBD-79014
GSI #: 6871
Analysis: Fire Assay for Gold and Silver, with an A.A. finish.

	Sample I.D.			Au o/t	Ag o/t
1	RE-66	285	290	0.001	<.10
2	RE-66	290	295	<.001	<.10
3	RE-66	295	300	0.001	<.10
4	RE-66	300	305	0.002	<.10
5	RE-66	305	310	0.001	<.10
6	RE-66	310	315	0.001	<.10
7	RE-66	315	320	0.001	<.10
8	RE-66	320	325	0.001	<.10
9	RE-66	325	330	0.001	<.10
10	RE-66	330	335	0.003	<.10
11	RE-66	335	340	0.002	<.10
12	RE-66	340	345	0.003	<.10
13	RE-66	345	350	0.004	<.10
14	RE-66	350	355	0.006	<.10
15	RE-66	355	360	0.005	<.10
16	RE-66	360	365	0.005	<.10
17	RE-66	365	370	0.004	<.10
18	RE-66	370	375	0.011	<.10
19	RE-66	375	380	0.005	<.10
20	RE-66	380	385	0.010	<.10
21	RE-66	385	390	0.008	<.10
22	RE-66	390	395	0.007	<.10
23	RE-66	395	400	0.007	<.10
24	RE-66	400	405	0.061	1.90
25	RE-66	405	410	0.053	3.30
26	RE-66	410	415	0.339	14.70
27	RE-66	415	420	0.017	0.31
28	RE-66	420	425	0.020	0.34
29	RE-66	425	430	0.017	0.71
30	RE-66	430	435	0.011	0.57

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	Sample I.D.			Au o/t	Ag o/t
31	RE-66	435	440	0.023	0.79
32	RE-66	440	445	0.023	0.43
33	RE-66	445	450	0.022	<.10
34	RE-66	450	455	0.026	0.77
35	RE-66	455	460	0.033	0.63
36	RE-66	460	465	0.015	0.39
37	RE-66	465	470	0.021	0.65
38	RE-66	470	475	0.019	0.79
39	RE-66	475	480	0.017	0.73
40	RE-66	480	485	0.005	<.10
41	RE-66	485	490	0.002	<.10
42	RE-66	490	495	0.002	<.10
43	RE-66	495	500	0.005	0.17
44	RE-66	500	505	0.003	<.10
45	RE-66	505	510	0.002	<.10
46	RE-66	510	515	<.001	<.10
47	RE-66	515	520	<.001	<.10
48	RE-66	520	525	<.001	<.10

This report reviewed and approved by:

Richard Grondin, Operations Manager