60001335

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-103
AUTHOR	N. Brewer; K. Tullar; 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; Coates Drilling; Lac Minerals (USA) Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 295' handwritten notes 8p.

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-103

6000 1335 4010

60001335

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL-103 TOTAL DEPTH 295' LOGGED BY Dave

Date started 8.12.90

Date completed 8.12.90

Initial bearing

Initial inclination -90°

Elevation 5223.6

Collar coordinates:

N 2204,221

E 481,503.7

Contractor: Coates

Drill Type: ODR

Hole Size: 5 1/8"

Drilling Conditions: RC To 295

Footage: Wet / Dry Dry To 160, 160-295 WET

Comments: WATER WELL

WATER WELL; lost!

Sampled Ø-5 thru 290-295!

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Northing)	Y (Easting)	Z (Elevation)
0	295		-90				

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-103

Page 1 of 3

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
									BROWN					0-20 OVER-BURDEN	.014	<	
05																	
10																	
15		NO SAMPLE													.001	<	
20									GREEN					20-30 GREEN MED GR LITHIC TUFF?	.003	.14	
25														SILICIFIED FAULT/FRACTURE	.002	<	
30									YELLOW WHITE					30-75 BLEACHED FINE GR TUFF	.004	<	
35															.006	<	
40															.004	<	
45														BL	.011	<	
50									LT GREEN						.004	<	
55															.008	.13	
60															.004	<	
65															<		
70															.002		
75									Grey Purple					75-95 Grey Purple Aphanitic Dike? Or Chill margin?	.001		
80															<		
85															<		
90															<		
95														95-100 PURPLE MATRIX, Locally Bleached (BRAUN + Green) LITHIC LAPILLI TUFF	<		
100																	

LAC MINERALS (U.S.A.) INC.
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DRILL HOLE RL-103

Page 2 of 3

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	
									PURPLE RED						<	<		
105															<			
110									GREEN						<			
115									GREEN + RED						<			
120															<			
125													±1%		.001			
130									LT PINK					130-190 FGT BLEACHED LOCALLY	.002			
135									GREEN						<			
140															<			
145															.001			
150															<			
155															<			
160															<			
165															<			
170															<			
175															<			
180															<			
185															.001			
190									GREEN				1/1%	190-295 Plagioclase Lithic Lapilli Tuff locally Bleached	.022			
195															.003			
200																		

WET CLAY

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
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DRILL HOLE RL-103

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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 GREEN				<1%		.001	.12		
105															<	<		
110															<	.23		
115															.005	<		
120															.001			
125									PURPLE						<			
130									& GREEN						<			
135															.005			
140															.013			
145															<	.11		
150															<	<		
155															.006			
160															.001			
165															<			
170															<			
175															<			
180															.001			
185															<			
190															<			
195														T.D. = 295'				
200																		

SEP 12 1990

NEVADA GSI, INC.

GEOCHEMICAL ANALYSIS REPORT

September 7, 1990

RL-103 0-295
RL-105 0-465

CUST. CODE: LOA
PROJECT: URBD-79014
P.O. #: XXXX
LOT ID: 8241

GEOLOGIST: NATE BREWER
COPIES TO: KEN TULLAR
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-103	0	5	0.014	-0.10
2.	RL-103	15	20	0.001	-0.10
3.	RL-103	20	25	0.003	0.14
4.	RL-103	25	30	0.002	-0.10
5.	RL-103	30	35	0.004	-0.10
6.	RL-103	35	40	0.006	-0.10
7.	RL-103	40	45	0.004	-0.10
8.	RL-103	45	50	0.011 ✓	-0.10
9.	RL-103	50	55	0.004	-0.10
10.	RL-103	55	60	0.008	0.13
11.	RL-103	60	65	0.004	-0.10
12.	RL-103	65	70	-0.001	-0.10
13.	RL-103	70	75	0.002	-0.10
14.	RL-103	75	80	0.001	-0.10
15.	RL-103	80	85	-0.001	-0.10
16.	RL-103	85	90	-0.001	-0.10
17.	RL-103	90	95	-0.001	-0.10
18.	RL-103	95	100	-0.001	-0.10
19.	RL-103	100	105	-0.001	-0.10
20.	RL-103	105	110	-0.001	-0.10
21.	RL-103	110	115	-0.001	-0.10
22.	RL-103	115	120	-0.001	-0.10
23.	RL-103	120	125	-0.001	-0.10
24.	RL-103	125	130	0.001	-0.10
25.	RL-103	130	135	0.002	-0.10
26.	RL-103	135	140	-0.001	-0.10
27.	RL-103	140	145	-0.001	-0.10
28.	RL-103	145	150	0.001	-0.10
29.	RL-103	150	155	-0.001	-0.10
30.	RL-103	155	160	-0.001	-0.10
31.	RL-103	160	165	-0.001	-0.10
32.	RL-103	165	170	-0.001	-0.10
33.	RL-103	170	175	-0.001	-0.10

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

LAC MINERAL
LOT ID # 8241

	SAMPLE I.D.	Au o/t	Ag o/t
34.	RL-103 175 180	-0.001	-0.10
35.	RL-103 180 185	-0.001	-0.10
36.	RL-103 185 190	0.001	-0.10
37.	RL-103 190 195	0.022	-0.10
38.	RL-103 195 200	0.003	-0.10
39.	RL-103 200 205	0.001	0.12
40.	RL-103 205 210	-0.001	-0.10
41.	RL-103 210 215	-0.001	0.23
42.	RL-103 215 220	0.005	-0.10
43.	RL-103 220 225	0.001	-0.10
44.	RL-103 225 230	-0.001	-0.10
45.	RL-103 230 235	-0.001	-0.10
46.	RL-103 235 240	0.005	-0.10
47.	RL-103 240 245	0.013	-0.10
48.	RL-103 245 250	-0.001	0.11
49.	RL-103 250 255	-0.001	-0.10
50.	RL-103 255 260	0.006	-0.10
51.	RL-103 260 265	0.001	-0.10
52.	RL-103 265 270	-0.001	-0.10
53.	RL-103 270 275	-0.001	-0.10
54.	RL-103 275 280	-0.001	-0.10
55.	RL-103 280 285	0.001	-0.10
56.	RL-103 285 290	-0.001	-0.10
57.	RL-103 290 295	-0.001	-0.10
58.	RL-105 0 5	-0.001	-0.10
59.	RL-105 5 10	-0.001	-0.10
60.	RL-105 10 15	-0.001	-0.10
61.	RL-105 15 20	-0.001	-0.10
62.	RL-105 20 25	-0.001	-0.10
63.	RL-105 25 30	-0.001	-0.10
64.	RL-105 30 35	-0.001	-0.10
65.	RL-105 35 40	-0.001	-0.10
66.	RL-105 40 45	-0.001	-0.10
67.	RL-105 45 50	-0.001	-0.10
68.	RL-105 50 55	0.002	-0.10
69.	RL-105 55 60	0.002	-0.10
70.	RL-105 60 65	-0.001	-0.10
71.	RL-105 65 70	-0.001	-0.10
72.	RL-105 70 75	0.001	-0.10
73.	RL-105 75 80	-0.001	0.16
74.	RL-105 80 85	0.001	-0.10
75.	RL-105 85 90	-0.001	-0.10
76.	RL-105 90 95	0.001	-0.10
77.	RL-105 95 100	0.002	0.16
78.	RL-105 100 105	0.001	-0.10
79.	RL-105 105 110	0.001	-0.10
80.	RL-105 110 115	0.017	-0.10

LAC MINERALS
LOT ID # 8241

	SAMPLE I.D.	Au o/t	Ag o/t
81.	RL-105 115 120	0.007	-0.10
82.	RL-105 120 125	0.011	0.23
83.	RL-105 125 130	0.003	0.16
84.	RL-105 130 135	0.001	-0.10
85.	RL-105 135 140	0.001	-0.10
86.	RL-105 140 145	0.002	-0.10
87.	RL-105 145 150	0.021	-0.10
88.	RL-105 150 155	0.001	-0.10
89.	RL-105 155 160	-0.001	-0.10
90.	RL-105 160 165	0.001	-0.10
91.	RL-105 165 170	-0.001	0.17
92.	RL-105 170 175	0.001	-0.10
93.	RL-105 175 180	0.001	-0.10
94.	RL-105 180 185	0.003	-0.10
95.	RL-105 185 190	0.004	0.18
96.	RL-105 190 195	0.001	-0.10
97.	RL-105 195 200	-0.001	-0.10
98.	RL-105 200 205	0.022	-0.10
99.	RL-105 205 210	-0.001	-0.10
100.	RL-105 210 215	-0.001	-0.10
101.	RL-105 215 220	-0.001	-0.10
102.	RL-105 220 225	-0.001	-0.10
103.	RL-105 225 230	-0.001	-0.10
104.	RL-105 230 235	0.001	-0.10
105.	RL-105 235 240	0.001	0.12
106.	RL-105 240 245	0.001	0.11
107.	RL-105 245 250	0.002	0.15
108.	RL-105 250 255	0.001	-0.10
109.	RL-105 255 260	0.002	-0.10
110.	RL-105 260 265	0.001	-0.10
111.	RL-105 265 270	0.001	-0.10
112.	RL-105 270 275	0.002	-0.10
113.	RL-105 275 280	0.001	-0.10
114.	RL-105 280 285	0.002	-0.10
115.	RL-105 285 290	0.002	-0.10
116.	RL-105 290 295	0.001	-0.10
117.	RL-105 295 300	0.001	-0.10
118.	RL-105 300 305	0.001	-0.10
119.	RL-105 305 310	0.006	-0.10
120.	RL-105 310 315	0.001	-0.10
121.	RL-105 315 320	0.002	-0.10
122.	RL-105 320 325	0.003	-0.10
123.	RL-105 325 330	0.001	-0.10
124.	RL-105 330 335	0.003	-0.10
125.	RL-105 335 340	0.001	-0.10
126.	RL-105 340 345	0.001	-0.10
127.	RL-105 345 350	0.001	-0.10

LAC MINERALS
LOT ID # 8241

	SAMPLE I.D.	Au o/t	Ag o/t
128.	RL-105 350 355	-0.001	-0.10
129.	RL-105 355 360	-0.001	-0.10
130.	RL-105 360 365	-0.001	-0.10
131.	RL-105 365 370	-0.001	-0.10
132.	RL-105 370 375	-0.001	-0.10
133.	RL-105 375 380	0.002	-0.10
134.	RL-105 380 385	-0.001	-0.10
135.	RL-105 385 390	-0.001	-0.10
136.	RL-105 390 395	-0.001	-0.10
137.	RL-105 395 400	-0.001	-0.10
138.	RL-105 400 405	-0.001	-0.10
139.	RL-105 405 410	-0.001	-0.10
140.	RL-105 410 415	0.001	-0.10
141.	RL-105 415 420	-0.001	-0.10
142.	RL-105 420 425	-0.001	-0.10
143.	RL-105 425 430	-0.001	-0.10
144.	RL-105 430 435	-0.001	-0.10
145.	RL-105 435 440	-0.001	-0.10
146.	RL-105 440 445	-0.001	-0.10
147.	RL-105 445 450	-0.001	-0.10
148.	RL-105 450 455	-0.001	-0.10
149.	RL-105 455 460	-0.001	-0.10
150.	RL-105 460 465	-0.001	-0.10

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THIS REPORT REVIEWED AND APPROVED BY:

Richard A. Grondin

RICHARD GRONDIN, LABORATORY DIRECTOR