60001661

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-283
AUTHOR	T Kuhl ; V. Peterson
DATE OF DOC(S)	1992
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 Barringer Laboratories Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 425' handwritten notes ~~1~~p.

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 6/3/08
Initials Date

DB: MAH
Initials Date

SCANNED: NV Blue
Initials Date

Revised: 1/22/08

ROSEBUD
DRILL LOG

RL-283

60001661 4010

6000 1661

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

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RL383 TOTAL DEPTH ____ LOGGED BY _____

Date started _____

Date completed _____

Initial bearing _____

Initial inclination _____

Elevation _____

Collar coordinates:

N _____

E _____

Contractor: _____

Drill Type: _____

Hole Size: _____

Drilling Conditions: _____

Footage: Wet / Dry _____

Comments: _____

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

DRILL HOLE RL-283

Page 1 of 5

LOGGED BY T.O. Kuhl

FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
PORPHYRITIC TUFF
FLOW BANDED TUFF

VEIN TYPES

DRUZY QUARTZ
Xc CHALCEDONIC
XK STOCKWORK
Ca CALCITE
HYDROTHERMAL BRECCIA VNS
Ba BARITE

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS Start 9:00 AM. Fix pump TD 405' @ 3:00 PM	ROD CONN.	Au	Ag	✓
													Tan to Brn					0-90 Tan to Brn Ag Volc. Very strong Arg Alt. Oxide zone.				
05																						
10																						
15																						
20																						
25																						
30																						
35																		35-40 Tan Clay.				
40																						
45																						
50																						
55																						
60																						
65																		65-90 Very strong clay. Zone,				
70																						
75																		75-80 Brown Clay.				
80																						
85																						
90																		90-140 lt gray Ag. Volc.				
95																		Strong Arg Alt.				
100																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL283

Page 2 of 5

LOGGED BY TOKuhl

VEIN TYPES

- FINE-GRAINED TUFF
- BEDDED BUD LLT
- VOLCANICLASTIC
- PORPHYRITIC TUFF
- FLOW BANDED TUFF
- DRUZY QUARTZ
- Xc CHALCEDONIC
- Xk STOCKWORK
- Ca CALCITE
- HYDROTHERMAL BRECCIA VNS
- Ba BARITE

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Au	Ag	✓
																		90-140 cont. Still oxidized.				
105																		Arg. Alt. becoming more SiO_2 by 135-140				
110																						
115																						
120																						
125																						
130																						
35																						
40																		140-155 Gray Grn fg Volc. Drusy Qtz veing				
45																						
50																						
55																		155-170 Tan Brn Clay Alt. fg Volc.. Probable struct are fract zone. Very strong FeOx.				
60																						
65																						
70																		170-180 Sage Green clay rich. fg Volc.				
75																		175-180 Very clay rich. zone				
80																		180-215 lt. gry strong Arg Alt fg Volc. Tr of drusy Qtz				
85																						
90																						
95																						
200																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL283

Page 3 of 5

FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
PORPHYRITIC TUFF
FLOW BANDED TUFF

VEIN TYPES

DRUZY QUARTZ
Xc CHALCEDONIC
XK STOCKWORK
Ca CALCITE
HYDROTHERMAL BRECCIA VNS
Ba BARITE

LOGGED BY DKuhl

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	RQD CONN.	Au	Ag	✓
													med gry					180-215 cont				
205																						
210																						
215																		215 - 280 Med gry. fg clay Alt. Volc. minor clay veinlets with Py.?				
20																						
25																						
30																						
35																						
40																						
45																						
50																						
55																						
60																						
65																						
70																						
75																						
80													Sage Grn					280-335 Sage Green fg. Clay rich Volc. Celandonite-rich zone.				
85																						
90																						
95																						
300																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL283

Page 4 of 5

LOGGED BY JOKuhl

VEIN TYPES

- FINE-GRAINED TUFF
- BEDDED BUD LLT
- VOLCANICLASTIC
- PORPHYRITIC TUFF
- FLOW BANDED TUFF
- DRUZY QUARTZ
- Xc CHALCEDONIC
- Xk STOCKWORK
- Ca CALCITE
- HYDROTHERMAL BRECCIA VNS
- Ba BARITE

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Au	Ag	✓
																		280-335 Cont.				
305																						
310																						
315																						
320																						
325																						
330																						
335																		335-375 Med. gry. fg. Volc. Some Bleaching but relatively fresh. 60 wet 1%				
340																						
45																						
350																						
55																						
360																						
65																						
370																						
75																						
380																		380-425 fresh. Burgundy gray fg Volc. minor phenos				
85																						
390																		CI.				
95																						
400																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL283

Page 5 of 5

FINE-GRAINED TUFF
BEDDED BUD LLT
VOLCANICLASTIC
PORPHYRITIC TUFF
FLOW BANDED TUFF

VEIN TYPES

DRUZY QUARTZ
Xc CHALCEDONIC
Xk STOCKWORK
Ca CALCITE
HYDROTHERMAL BRECCIA VNS
Ba BARITE

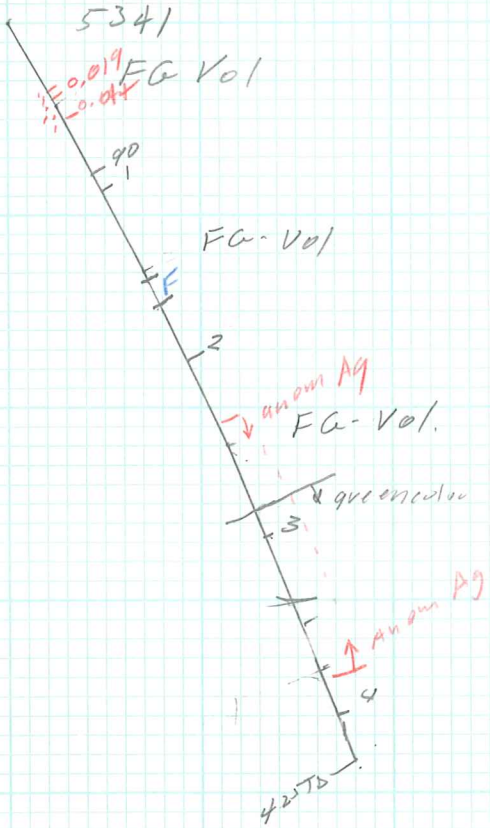
LOGGED BY TDKull

FT.	LITHO	FRACTS FAULTS	VEIN TYPES	BLEACH W	BLEACH M	BLEACH S	CLAY W	CLAY M	CLAY S	SILIC W	SILIC M	SILIC S	COLOR	% FeOx W	% FeOx M	% FeOx S	% SULF.	COMMENTS	ROD CONN.	Au	Ag	✓
																		38-425 cont				
405																						
410																						
415																						
420																						
425																		TD 425				
30																						
35																						
40																						
45																						
50																						
55																						
60																						
65																						
70																						
75																						
80																						
85																						
90																						
95																						
00																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

2,203,423.0 N
482,480.0 E

215°
@ -60



ROSEBUD
RL-283
1" = 100'

in plane of hole

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E, SUITE 178
RENO, NEVADA 89511
PHONE: (702) 828-1158

21-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 4
Copy: 1 of 2
Set : 2

Attn: Tim Kuhl
Project:

Received: 13-Oct-92 19:53

PO #:

Job: 922716R

Status: Final

Abbreviations:

Parameters:

Au	: Gold
Ag	: Silver

Methods:

FA/AA/AAS	: Fire Assay/AA Finish
FA/AA	: Fire Assay with AA finish
AA	: Atomic Absorption

Units:

oz/ton	: ounces per ton

Quality codes:

<	: less than
NA	: Not Analyzed

Job approved by:

Signed: .....

Vernon K. Peterson
Laboratory Manager

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E, SUITE 178
RENO, NEVADA 89511
PHONE: (702) 828-1158

21-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 2
Set : 1

Attn: Tim Kuhl
Project:

Received: 13-Oct-92 19:53

PO #:

Job: 922716R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL283 0 5	0.0008	0.0007	0.015
BL-098	0.0157	NA	NA
RL283 5 10	0.0018	NA	0.044
RL283 10 15	0.0023	NA	0.035
RL283 15 20	0.0030	NA	0.041
RL283 20 25	0.0030	NA	0.038
RL283 25 30	0.0061	NA	0.061
RL283 30 35	0.0045	NA	0.053
RL283 35 40	0.0045	NA	0.173
RL283 40 45	0.0190	0.0214	0.070
RL283 45 50	0.0104	NA	0.061
RL283 50 55	0.0145	NA	0.079
RL283 55 60	0.0025	NA	0.073
RL283 60 65	0.0054	NA	0.114
RL283 65 70	0.0029	NA	0.073
RL283 70 75	0.0033	NA	0.149
RL283 75 80	0.0038	NA	0.102
RL283 80 85	0.0018	NA	0.070
RL283 85 90	0.0025	NA	0.099
BL-099	0.0504	NA	NA
RL283 90 95	0.0020	NA	0.055
RL283 95 100	0.0053	NA	0.053
RL283 100 105	0.0017	NA	0.058
RL283 105 110	0.0020	NA	0.038
RL283 110 115	0.0088	NA	0.050
RL283 115 120	0.0021	NA	0.029
RL283 120 125	0.0047	NA	0.038
RL283 125 130	0.0038	NA	0.050
RL283 130 135	0.0029	NA	0.050
RL283 135 140	0.0018	NA	0.064

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E, SUITE 178
RENO, NEVADA 89511
PHONE: (702) 828-1158

21-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 13-Oct-92 19:53

PO #:

Job: 922716R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL283 140 145	0.0020	NA	0.085
RL283 145 150	0.0026	NA	0.091
RL283 150 155	0.0112	NA	0.076
RL283 155 160	0.0024	NA	0.096
RL283 160 165	0.0022	NA	0.064
RL283 165 170	0.0044	NA	0.076
RL283-170 175	0.0026	0.0027	0.076
BL-100	0.0514	NA	NA
RL283-175 180	0.0032	NA	0.073
RL283-180 185	0.0030	NA	0.076
RL283-185 190	0.0047	NA	0.082
RL283 190 195	0.0026	NA	0.079
RL283 195 200	0.0026	NA	0.085
RL283 200 205	0.0022	NA	0.082
RL283 205 210	0.0029	NA	0.073
RL283 210 215	0.0026	NA	0.064
RL283 215 220	0.0021	NA	0.058
RL283 220 225	0.0019	NA	0.073
RL283 225 230	0.0026	NA	0.099
RL283 230 235	0.0033	NA	0.091
RL283 235 240	0.0055	NA	0.096
RL283 240 245	0.0047	NA	0.111
RL283 245 250	0.0051	NA	0.126
RL283 250 255	0.0040	NA	0.111
RL283 255 260	0.0038	0.0039	0.123
BL-101	0.0228	NA	NA
RL283 260 265	0.0055	NA	0.102
RL283 265 270	0.0047	NA	0.120
RL283 270 275	0.0042	NA	0.126
RL283 275 280	0.0025	NA	0.079

BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

5301 LONGLEY LANE
BUILDING E, SUITE 178
RENO, NEVADA 89511
PHONE: (702) 828-1158

21-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 13-Oct-92 19:53

PO #:

Job: 922716R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL283 280 285	0.0042	NA	0.064
RL283 285 290	0.0052	0.0061	0.085
RL283 290 295	0.0044	NA	0.102
RL283 295 300	0.0046	0.0049	0.076
RL283 300 305	0.0006	0.0006	0.061
RL283 305 310	0.0039	NA	0.064
RL283 310 315	0.0030	NA	0.061
RL283 315 320	0.0002	NA	0.018
RL283 320 325	<0.0001	<0.0001	0.009
RL283 325 330	0.0025	NA	0.070
RL283 330 335	0.0035	NA	0.058
RL283 335 340	0.0036	NA	0.210
RL283 340 345	0.0029	0.0032	0.120
BL-102	<0.0001	NA	NA
RL283 345 350	0.0019	NA	0.058
RL283 350 355	0.0027	NA	0.091
RL283 355 360	0.0041	0.0045	0.067
RL283 360 365	0.0019	NA	0.055
RL283 365 370	0.0008	NA	0.032
RL283 370 375	0.0006	NA	0.023
RL283 370 380	0.0009	NA	0.023
RL283 380 385	0.0005	NA	0.015
RL283 385 390	0.0003	NA	0.009
RL283 390 395	0.0001	NA	0.009
RL283 395 400	0.0001	NA	0.006
RL283 400 405	<0.0001	NA	0.006
RL283 405 410	0.0006	NA	0.009
RL283 410 415	0.0007	NA	0.015
RL283 415 420	0.0005	NA	0.009
RL283 420 425	0.0001	NA	0.009

BARRINGER LABORATORIES INC.

15000 W. 6th AVE. SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687
FAX: (303) 277-1689

1455 DEMING WAY, #15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158
FAX: (702) 356-9189

3382 HWY 12 EAST
HELENA, MONTANA 59601
PHONE: (406) 442-6383
FAX: (406) 442-9757

5451 GLACIER HWY.
JUNEAU, ALASKA 99801

SHIPPING NO. 12334

WORK ORDER NO. 922716
DATE RECEIVED 10/14/92
PURCHASE ORDER NO.
PROJECT NO.
DATE SHIPPED
SHIPPED VIA. Lac
NO. OF CARTONS
NO. OF SAMPLES 85

GEOCHEMICAL LABORATORY INSTRUCTION SHEET

COPY OF RESULTS TO	RESULTS AND INVOICE TO
	Lac Minerals
	1395 Greg St. #107
	Sparks, NV 89431
	AUTHORITY: Tim Kuhl

NO. OF SAMPLES	SAMPLE TYPE	LIST OF SAMPLE NUMBERS	ELEMENTS REQUESTED	METHOD
85		RL283 0-5	Au Ag per	
		thru	contract	
		RL283 420-425		

SAMPLE DISPOSITION	PULPS	REJECTS	WATERS
STORE 60 DAYS AND RETURN			
STORE 60 DAYS AND DISCARD			
RETURN AFTER ANALYSIS (Avg. 30 days)			
DISCARD AFTER ANALYSIS (Avg. 30 days)			
HOLD FOR PICKUP WITHIN 30 DAYS			

ADDITIONAL INSTRUCTIONS:

COARSE REJECTS WILL BE DISCARDED UNLESS OTHERWISE REQUESTED