60001657

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-279
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; Stevens Drilling; Lac Minerals (USA) Inc; South East Target; Barringer Laboratories
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 805' handwritten notes ~~23~~ p. 25

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: mch
Initials Date
SCANNED: NVBaie
Initials Date

Revised: 1/22/08

ROSEBUD
DRILL LOG

R1-279
South East Target

66001657 4010

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

DRILL LOG SUMMARY SHEET

PROJECT ROSEBUD

HOLE NUMBER RL279 TOTAL DEPTH 805' LOGGED BY T.O. KUHL

Date started 10/8/92

Date completed 10/10/92

Initial bearing N35E

Initial inclination -70

Elevation

Collar coordinates:

N

E

Contractor: Stevens Drilling

Drill Type: Reverse Circulation

Hole Size: 5 1/4

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 RL279

Page 1 of ____

LOGGED BY J.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 3 PM		ROD CONN.	Au	Ag	✓
																		OVERBURDEN 0-17			.008	.009	.006
05																					.007	.012	
10																					.004	.006	
15																					.008	.015	
20			Xc Xc										Tan Brn				lmt after Py	17-90 Lt gry Tan. fg. volc. Rare relict pheno casts			.022	.026	
25			Xc										Tan					This interval pervasive Argillic Alt. sparse lmt after pyr specks	30% Qtz Vn. strong SiO_2		.052	.050	
30			Xc Xc.										lt tan					Frags show SiO_2 Alt. Lateli? * Chalcedonic vn frags.	Chalced vns. 10% QVn.		.028	.055	
35																		throughout interval. * Possible fault zones			.012	.050	
40			Xc															at 25-35 (Qtz vn) and at 80-85 (Clay)	SiO_2 Alt less 5% QVn.		.011	.050	
45			Xc																		.021	.108	
50			Xc Xc																5% Chalced veins Strong Argillic &		.016	.070	
55			Xc.																1% QV. 1% Chalced vn		.024	.077	
60			Xc																2 vn		.027	.091	
65			Xc Xc																		.084	.149	.074
70			Xc																		.207	.085	
75			Xc Xc Xc										Tan Red								.041	.073	
80													Red Tan					Clay Zone (Fault?)			.016	.023	
85																			2% Red Hem.		.013	.026	
90			Xc.																Bottom of Surface Ox.				
95													lt Py					90-180 See Next Page.	Sulfide Zone		.017	.053	
100																					.021	.070	

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 2 of ____

LOGGED BY T.D. 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		ROD CONN.	Au	Ag	✓
			XQP										Lt Gry				1%	90-180 - Lt Gry fg volc.	Fragments of Black SiO2 py Unit		.0061	.134	
105																		- Interval is pervasive Arg Alt throughout.					
			XQP															- Extremely fg Diss euh. py throughout interval.			.0061	.114	
110																					.0039	.178	
115																		- Still some SiO2 but not as intense as Interval above.			.0295	.111	
120			XQP																Q py. Unit		.0137	.295	
125																					.0126	.126	
130																			CLAY ZONE Arg. Alt.??		.0183	.277	
135																					.0032	.067	
140																					.0158	.277	
145			XQP														2%		Q py Unit > diss py		.0060	.067	.0050
150																	1%				.0024	.204	
155																					.0389	.914	.0397
160																					.0033	.053	
165																					.0028	.032	
170																					.0002	.023	
175																			clay rich zone		.0003	.023	
180																	Tr	180 - 260 - Similar to Above... Lt gry grn fg Volc.			.0008	.026	
185																		- Less pervasive Arg. Alt. - More bleaching (sericite?)			.0013	.038	
190																		- Less Diss py			.0017	.023	
195																					.0070	.070	.0060
200																							

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 3 of ____

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 T.O. Kuhl

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	✓
													lt gry grn				Tr	180 - 260 cont.	shotgun py.		.0003	.018	
205																					<.0001	.009	
210																			Clay zone		.0001	.006	
215																					.0001	.012	
220																					<.0001	.009	
225			Xqp?														Tr to		Slight increase in Diss py.		<.0001	.012	
230																					<.0001	.009	
235																	Tr				.0002	.012	
240																					.0005	.018	
245																					.0001	.009	
250																					.0008	.018	
255																					.0031	.029	.031
260													lt gry grn flock				Tr to 1	260-310 - Still H. Stop 6:00 pm	Start 8:00 AM		.0010	.012	
265																		gry grn fg vole. similar - to above, but a flock colored Alt. present. (controlled by fract.	5% Flock		.0008	.018	
270																		- Tr of microfaining (SiO_2) throughout			.0008	.018	
275																		- Less SiO_2 Alt. (?)	shotgun py 1% Flock		.0002	.006	
280			Xqp																shotgun py 5-10% Flock		.0003	.009	
285																					.0047	.020	
290			Xqp																		.0113	.050	
295			Xqp																1% Flock		.0035	.035	
300																							

DRILL DRY
Drill Wet

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 4 of ____

LOGGED BY J.O. Kuhl

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	✓
			Xqp.														Tr to 1	260-310 cont.	Circulation problems. 1% Flesh		.007	.020	
305																			1% Flesh		.050	.047	
310													Grg Grn				Tr to 1	310-335 Lt grg grn fg volc.	Alteration decreasing?		.020	.035	
315																		- Alteration less. < SiO_2 < Argillic.			.001	.061	
320																		with more bleaching? - Tr to 1% diss py localized along fracts?			.088	.085	
325																					.027	.073	
330																					.045	.073	.042
335																	Tr to 1	335 to 350 Trasition from above to Fresh. CT?	Amorphous py along fracts?		.014	.041	
340																					.001	.009	.001
345	end Alt		Xqp																end Alt		.017	.058	
350																		350 — 425 DK Burgundy fg volc with DK phenos	Fresh.		.005	.012	
355																					.001	.006	
360																					<.001	.003	
365																	Tr				.008	.012	
370																					.001	.003	
375																					.001	.003	
380																					.002	.003	
385																					.001	.006	
390																					<.001	.003	
395																					<.001	.003	
400																							

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 5 of ____

LOGGED BY T.O. Kuhl

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	✓
													Burg Grn					350-425 cont. Fresh			<.001	.003	
405																					.0092	.015	
410																					.002	.006	
415																					.001	.003	
420																					<.001	.003	
425																		425-450 Transition Mixed Fresh fg Volc and gray grn Bleach fg Volc.	Fract control. Alt. Zone ?		.004	.009	.004
430																					.001	.016	
435																					.002	.012	
440																					.008	.023	
445																					.009	.009	
450																		450-475 Lt Grn fg Volc. Rare Microvuing (SiO_2)			.002	.006	
455																					.004	.015	
460																			1% Fresh Shotgun py.		.001	.009	
465																			Shotgun py. Rare 2mm py-euh		.009	.020	
470																					.003	.015	
475																		475-480 Transition Mixed Fresh + Bleached.			.001	.006	
480																		480-500. Dark Burgundy fg Volc. w/ Dk phenos.			<.001	.006	
485																					<.002	.015	
490																			Mixed Bleached + Fresh (crack ?)		.002	.009	
495																					.002	.012	
500																							

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 6 of ____

LOGGED BY T.D. 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		ROD CONN.	Au	Ag	✓
													Burg Grn					500-515 Mixed Fresh Volc. + Bln Bleached Volc.	Alt. along fracture cracks?		<.001	.012	
505																					.001	.015	
510																					<.001	.007	✓
515													Lt Grn					515-575 Gry Grn mottled flesh. Pg Volc.	Rad ons? sparse diss. pyr. Rare Qp unleft st.		.002	.015	
520																			Wk S.D2		.002	.015	
525																					.001	.020	
530																					.001	.012	
535																					<.001	.009	
540																					.001	.009	
545			Xqp																	✓	.007	.032	
550																					.004	.038	
555																					.004	.026	
560			Xp																	1¼ pm	.002	.015	
565			Xr																		.004	.018	
570																					.002	.006	
575													Burg					575-600 Dk Burgundy Pg Volc.	Fract cont. Bleaching?		<.001	.003	
580																		≈ 5% of frags are bleached grn.			<.001	.003	
585																					<.001	.018	
590																			Rare Qp. micron.		<.001	.006	
595																					.001	.006	.001
600																							

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 7 of 8

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	ROD CONN.	Au	Ag	✓
													Burg.				Tr	575-620 cont	~2% Py	<.001	.012	
605																				.002	.015	
610																		Little alt.		.001	.023	
615																				<.001	.023	
620		Fract Zone											Gry Grn					620-630: Bleaching. Gry Grn fg vole. 10% Flash Alt. 1% Qfg Vn Pyto 3mm		.005	.018	
625																		Strong clay		.006	.026	
630													Burg.					630-735 Dk Burgundy fg Vole (CT) Dk phenos. Fresh.		.005	.016	
635																				.005	.023	
640																				.002	.012	
645																				.039	.061	.049
650																				.003	.012	
655																		5% Grn Vole fragg (Pyroclast?)		.001	.026	
660																				<.001	.003	
665																				.013	.026	
670																				.001	.009	
675																				.001	.009	
680																				.001	.009	.001
685																				.010	.023	
690																				.001	.009	
695																				.001	.009	
700																						

NOTE SULFIDES IN COMMENTS: Py Mc Cp Pr Sb

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

DRILL HOLE RL279

Page 8 of 8

LOGGED BY T.D. Kuhl

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	✓
																		630-735 cont. Burgundy Tuff	Fresh.		.005	.018	
705																					.004	.067	.008
710																					.002	.009	
715																					.004	.006	
720																					.004	.009	
725																					.011	.020	
730																					.001	.006	
735													Tan Burg.					735-750 Tan Burg. fg Volc.	5% pale green. frag.		<.001	.003	
740																		w/ 5% fragments of pale green.			.001	.003	
745																		fg Volc.			.002	.023	
750													Burg Grn					750-765 50% pale Green. 50% Dk Burg. fg Volc.	50% pale green Alt. (Bleached) Volc.		.001	.006	
755																					.073	.047	
760																					.027	.108	.065
765																		765-805 lt Burg. fg Volc.	wk silica Alt. Also wk oxids.		.019	.032	
770																			or Bleaching giving rock pale color.		<.001	.018	
775																					.001	.003	
780			X																		.003	.006	
785																					.004	.015	
790			X																		.002	.009	
795			X																		.002	.003	
800			X																		.001	.023	
805																							

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 17-Oct-92 11:18

PO #:

Job: 922779R

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

F.6

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 2
Set : 1

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 0 5	0.0008	0.0006	0.009
BL-103	0.0250	NA	NA
RL279 5 10	0.0007	NA	0.012
RL279 10 15	0.0004	NA	0.006
RL279 15 20	0.0008	NA	0.015
RL279 20 25	0.0022	NA	0.026
RL279 25 30	0.0052	NA	0.050
RL279 30 35	0.0028	NA	0.055
RL279 35 40	0.0012	NA	0.050
RL279 40 45	0.0011	NA	0.053
RL279 45 50	0.0021	NA	0.108
RL279 50 55	0.0016	NA	0.070
RL279 55 60	0.0024	NA	0.047
RL279 60 65	0.0027	NA	0.091
RL279 65 70	0.0084	0.0074	0.149
RL279 70 75	0.0207	NA	0.085
RL279 75 80	0.0041	NA	0.073
RL279 80 85	0.0016	NA	0.023
RL279 85 90	0.0013	0.0015	0.026
BL-104	0.0210	NA	NA
RL279 90 95	0.0017	NA	0.053
RL279 95 100	0.0021	NA	0.070
RL279 100 105	0.0061	NA	0.134
RL279 105 110	0.0061	NA	0.114
RL279 110 115	0.0039	NA	0.178
RL279 115 120	0.0295	NA	0.111
RL279 120 125	0.0137	NA	0.295
RL279 125 130	0.0126	NA	0.120
RL279 130 135	0.0183	NA	0.277
RL279 135 140	0.0032	NA	0.067

.018/20

.20/20

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 140 145	0.0158	NA	0.277
RL279 145 150	0.0060	0.0050	0.067
RL279 150 155	0.0024	NA	0.204
RL279 155 160	0.0329	0.0397	0.914
RL279 160 165	0.0033	NA	0.053
RL279 165 170	0.0008	NA	0.032
RL279 170 175	0.0002	NA	0.023
BL-105	0.0310	NA	NA
RL279 175 180	0.0003	NA	0.023
RL279 180 185	0.0008	NA	0.026
RL279 185 190	0.0013	NA	0.038
RL279 190 195	0.0017	NA	0.023
RL279 195 200	0.0070	0.0060	0.070
RL279 200 205	0.0003	NA	0.018
RL279 205 210	<0.0001	NA	0.009
RL279 210 215	0.0001	NA	0.006
RL279 215 220	0.0001	NA	0.012
RL279 220 225	<0.0001	NA	0.009
RL279 225 230	<0.0001	NA	0.012
RL279 230 235	<0.0001	NA	0.009
RL279 235 240	0.0002	NA	0.012
RL279 240 245	0.0005	NA	0.018
RL279 245 250	0.0001	NA	0.009
RL279 250 255	0.0008	NA	0.018
RL279 255 260	0.0031	0.0031	0.029
BL-106	0.0213	NA	NA
RL279 260 265	0.0010	NA	0.012
RL279 265 270	0.0008	NA	0.018
RL279 270 275	0.0008	NA	0.018
RL279 275 280	0.0002	NA	0.006

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 280 285	0.0003	NA	0.009
RL279 285 290	0.0047	NA	0.020
RL279 290 295	0.0113	NA	0.050
RL279 295 300	0.0035	NA	0.035
RL279 300 305	0.0007	NA	0.020
RL279 305 310	0.0050	NA	0.047
RL279 310 315	0.0020	NA	0.035
RL279 315 320	0.0021	NA	0.061
RL279 320 325	0.0088	NA	0.085
RL279 325 330	0.0027	NA	0.073
RL279 330 335	0.0045	0.0042	0.073
RL279 335 340	0.0014	NA	0.041
RL279 340 345	0.0001	0.0001	0.009
BL-107	<0.0001	NA	NA
RL279 345 350	0.0017	NA	0.058
RL279 350 355	0.0005	NA	0.012
RL279 355 360	0.0001	NA	0.006
RL279 360 365	<0.0001	NA	0.003
RL279 365 370	0.0008	NA	0.012
RL279 370 375	0.0001	NA	0.003
RL279 375 380	0.0001	NA	0.003
RL279 380 385	0.0002	NA	0.003
RL279 385 390	0.0001	NA	0.006
RL279 390 395	<0.0001	NA	0.003
RL279 395 400	<0.0001	NA	0.003
RL279 400 405	<0.0001	NA	0.003
RL279 405 410	0.0092	NA	0.015
RL279 410 415	0.0002	NA	0.006
RL279 415 420	0.0001	NA	0.003
RL279 420 425	<0.0001	NA	0.003

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 425 430	0.0004	0.0004	0.009
BL-108	0.0219	NA	NA
RL279 430 435	0.0001	NA	0.006
RL279 435 440	0.0002	NA	0.012
RL279 440 445	0.0008	NA	0.003
RL279 445 450	0.0009	NA	0.009
RL279 450 455	0.0002	NA	0.006
RL279 455 460	0.0004	NA	0.015
RL279 460 465	0.0001	NA	0.009
RL279 465 470	0.0009	NA	0.020
RL279 470 475	0.0003	NA	0.015
RL279 475 480	0.0001	NA	0.006
RL279 480 485	<0.0001	NA	0.006
RL279 485 490	0.0002	NA	0.015
RL279 490 495	0.0002	NA	0.009
RL279 495 500	0.0002	NA	0.012
RL279 500 505	<0.0001	NA	0.012
RL279 505 510	0.0001	NA	0.015
RL279 510 515	<0.0001	0.0001	0.012
BL-109	0.0220	NA	NA
RL279 515 520	0.0002	NA	0.015
RL279 520 525	0.0002	NA	0.015
RL279 525 530	0.0001	NA	0.020
RL279 530 535	0.0001	NA	0.012
RL279 535 540	<0.0001	NA	0.009
RL279 540 545	0.0001	NA	0.009
RL279 545 550	0.0007	NA	0.032
RL279 550 555	0.0004	NA	0.038
RL279 555 560	0.0004	NA	0.026
RL279 560 565	0.0002	NA	0.015

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 565 570	0.0004	NA	0.018
RL279 570 575	0.0002	NA	0.006
RL279 575 580	<0.0001	NA	0.003
RL279 580 585	<0.0001	NA	0.003
RL279 585 590	<0.0001	NA	0.018
RL279 590 595	<0.0001	NA	0.006
RL279 595 600	0.0001	0.0001	0.006
BL-110	<0.0001	NA	NA
RL279 600 605	<0.0001	NA	0.012
RL279 605 610	0.0002	NA	0.015
RL279 610 615	0.0001	NA	0.003
RL279 615 620	<0.0001	NA	0.003
RL279 620 625	0.0005	NA	0.018
RL279 625 630	0.0006	NA	0.026
RL279 630 635	0.0005	NA	0.006
RL279 635 640	0.0005	NA	0.023
RL279 640 645	0.0002	NA	0.012
RL279 645 650	0.0039	0.0049	0.061
RL279 650 655	0.0003	NA	0.012
RL279 655 660	0.0001	NA	0.006
RL279 660 665	<0.0001	NA	0.003
RL279 665 670	0.0013	NA	0.026
RL279 670 675	0.0001	NA	0.009
RL279 675 680	0.0001	NA	0.009
RL279 680 685	0.0001	0.0001	0.009
BL-111	0.0509	NA	NA
RL279 685 690	0.0010	NA	0.023
BL-112	0.0470	NA	NA
RL279 690 695	0.0001	NA	0.009
RL279 695 700	0.0001	NA	0.009

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 17-Oct-92 11:18

PO #:

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 700 705	0.0005	NA	0.018
RL279 705 710	0.0041	0.0050	0.067
RL279 710 715	0.0002	NA	0.009
RL279 715 720	0.0004	NA	0.006
RL279 720 725	0.0004	NA	0.009
RL279 725 730	0.0011	NA	0.020
RL279 730 735	0.0001	NA	0.006
RL279 735 740	<0.0001	NA	0.003
RL279 740 745	0.0001	NA	0.003
RL279 745 750	0.0007	NA	0.023
RL279 750 755	0.0001	NA	0.006
RL279 755 760	0.0073	NA	0.047
RL279 760 765	0.0067	0.0065	0.108
RL279 765 770	0.0029	NA	0.032
RL279 770 775	<0.0001	NA	0.018
BL-113	0.0001	NA	NA
RL279 775 780	0.0001	NA	0.003
RL279 780 785	0.0003	NA	0.006
RL279 785 790	0.0004	NA	0.015
RL279 790 795	0.0002	NA	0.009
RL279 795 800	0.0002	NA	0.003
RL279 800 805	0.0001	NA	0.003

10.007 .0066

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 7
Copy: 1 of 2
Set : 2

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

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

F.6

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 2
Set : 1

Attn: Tim Kuhl
Project:

Received: 17-Oct-92 11:18

PO #:

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 0 5	0.0008	0.0006	0.009
BL-103	0.0250	NA	NA
RL279 5 10	0.0007	NA	0.012
RL279 10 15	0.0004	NA	0.006
RL279 15 20	0.0008	NA	0.015
RL279 20 25	0.0022	NA	0.026
RL279 25 30	0.0052	NA	0.050
RL279 30 35	0.0028	NA	0.055
RL279 35 40	0.0012	NA	0.050
RL279 40 45	0.0011	NA	0.053
RL279 45 50	0.0021	NA	0.108
RL279 50 55	0.0016	NA	0.070
RL279 55 60	0.0024	NA	0.047
RL279 60 65	0.0027	NA	0.091
RL279 65 70	0.0084	0.0074	0.149
RL279 70 75	0.0207	NA	0.085
RL279 75 80	0.0041	NA	0.073
RL279 80 85	0.0016	NA	0.023
RL279 85 90	0.0013	0.0015	0.026
BL-104	0.0210	NA	NA
RL279 90 95	0.0017	NA	0.053
RL279 95 100	0.0021	NA	0.070
RL279 100 105	0.0061	NA	0.134
RL279 105 110	0.0061	NA	0.114
RL279 110 115	0.0039	NA	0.178
RL279 115 120	0.0295	NA	0.111
RL279 120 125	0.0137	NA	0.295
RL279 125 130	0.0126	NA	0.120
RL279 130 135	0.0183	NA	0.277
RL279 135 140	0.0032	NA	0.067

.018/20

.20/20

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 140 145	0.0158	NA	0.277
RL279 145 150	0.0060	0.0050	0.067
RL279 150 155	0.0024	NA	0.204
RL279 155 160	0.0329	0.0397	0.914
RL279 160 165	0.0033	NA	0.053
RL279 165 170	0.0008	NA	0.032
RL279 170 175	0.0002	NA	0.023
BL-105	0.0310	NA	NA
RL279 175 180	0.0003	NA	0.023
RL279 180 185	0.0008	NA	0.026
RL279 185 190	0.0013	NA	0.038
RL279 190 195	0.0017	NA	0.023
RL279 195 200	0.0070	0.0060	0.070
RL279 200 205	0.0003	NA	0.018
RL279 205 210	<0.0001	NA	0.009
RL279 210 215	0.0001	NA	0.006
RL279 215 220	0.0001	NA	0.012
RL279 220 225	<0.0001	NA	0.009
RL279 225 230	<0.0001	NA	0.012
RL279 230 235	<0.0001	NA	0.009
RL279 235 240	0.0002	NA	0.012
RL279 240 245	0.0005	NA	0.018
RL279 245 250	0.0001	NA	0.009
RL279 250 255	0.0008	NA	0.018
RL279 255 260	0.0031	0.0031	0.029
BL-106	0.0213	NA	NA
RL279 260 265	0.0010	NA	0.012
RL279 265 270	0.0008	NA	0.018
RL279 270 275	0.0008	NA	0.018
RL279 275 280	0.0002	NA	0.006

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 280 285	0.0003	NA	0.009
RL279 285 290	0.0047	NA	0.020
RL279 290 295	0.0113	NA	0.050
RL279 295 300	0.0035	NA	0.035
RL279 300 305	0.0007	NA	0.020
RL279 305 310	0.0050	NA	0.047
RL279 310 315	0.0020	NA	0.035
RL279 315 320	0.0021	NA	0.061
RL279 320 325	0.0088	NA	0.085
RL279 325 330	0.0027	NA	0.073
RL279 330 335	0.0045	0.0042	0.073
RL279 335 340	0.0014	NA	0.041
RL279 340 345	0.0001	0.0001	0.009
BL-107	<0.0001	NA	NA
RL279 345 350	0.0017	NA	0.058
RL279 350 355	0.0005	NA	0.012
RL279 355 360	0.0001	NA	0.006
RL279 360 365	<0.0001	NA	0.003
RL279 365 370	0.0008	NA	0.012
RL279 370 375	0.0001	NA	0.003
RL279 375 380	0.0001	NA	0.003
RL279 380 385	0.0002	NA	0.003
RL279 385 390	0.0001	NA	0.006
RL279 390 395	<0.0001	NA	0.003
RL279 395 400	<0.0001	NA	0.003
RL279 400 405	<0.0001	NA	0.003
RL279 405 410	0.0092	NA	0.015
RL279 410 415	0.0002	NA	0.006
RL279 415 420	0.0001	NA	0.003
RL279 420 425	<0.0001	NA	0.003

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

PO #:

Received: 17-Oct-92 11:18

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 425 430	0.0004	0.0004	0.009
BL-108	0.0219	NA	NA
RL279 430 435	0.0001	NA	0.006
RL279 435 440	0.0002	NA	0.012
RL279 440 445	0.0008	NA	0.003
RL279 445 450	0.0009	NA	0.009
RL279 450 455	0.0002	NA	0.006
RL279 455 460	0.0004	NA	0.015
RL279 460 465	0.0001	NA	0.009
RL279 465 470	0.0009	NA	0.020
RL279 470 475	0.0003	NA	0.015
RL279 475 480	0.0001	NA	0.006
RL279 480 485	<0.0001	NA	0.006
RL279 485 490	0.0002	NA	0.015
RL279 490 495	0.0002	NA	0.009
RL279 495 500	0.0002	NA	0.012
RL279 500 505	<0.0001	NA	0.012
RL279 505 510	0.0001	NA	0.015
RL279 510 515	<0.0001	0.0001	0.012
BL-109	0.0220	NA	NA
RL279 515 520	0.0002	NA	0.015
RL279 520 525	0.0002	NA	0.015
RL279 525 530	0.0001	NA	0.020
RL279 530 535	0.0001	NA	0.012
RL279 535 540	<0.0001	NA	0.009
RL279 540 545	0.0001	NA	0.009
RL279 545 550	0.0007	NA	0.032
RL279 550 555	0.0004	NA	0.038
RL279 555 560	0.0004	NA	0.026
RL279 560 565	0.0002	NA	0.015

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 17-Oct-92 11:18

PO #:

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 565 570	0.0004	NA	0.018
RL279 570 575	0.0002	NA	0.006
RL279 575 580	<0.0001	NA	0.003
RL279 580 585	<0.0001	NA	0.003
RL279 585 590	<0.0001	NA	0.018
RL279 590 595	<0.0001	NA	0.006
RL279 595 600	0.0001	0.0001	0.006
BL-110	<0.0001	NA	NA
RL279 600 605	<0.0001	NA	0.012
RL279 605 610	0.0002	NA	0.015
RL279 610 615	0.0001	NA	0.003
RL279 615 620	<0.0001	NA	0.003
RL279 620 625	0.0005	NA	0.018
RL279 625 630	0.0006	NA	0.026
RL279 630 635	0.0005	NA	0.006
RL279 635 640	0.0005	NA	0.023
RL279 640 645	0.0002	NA	0.012
RL279 645 650	0.0039	0.0049	0.061
RL279 650 655	0.0003	NA	0.012
RL279 655 660	0.0001	NA	0.006
RL279 660 665	<0.0001	NA	0.003
RL279 665 670	0.0013	NA	0.026
RL279 670 675	0.0001	NA	0.009
RL279 675 680	0.0001	NA	0.009
RL279 680 685	0.0001	0.0001	0.009
BL-111	0.0509	NA	NA
RL279 685 690	0.0010	NA	0.023
BL-112	0.0470	NA	NA
RL279 690 695	0.0001	NA	0.009
RL279 695 700	0.0001	NA	0.009

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

26-Oct-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project:

Received: 17-Oct-92 11:18

PO #:

Job: 922779R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL279 700 705	0.0005	NA	0.018
RL279 705 710	0.0041	0.0050	0.067
RL279 710 715	0.0002	NA	0.009
RL279 715 720	0.0004	NA	0.006
RL279 720 725	0.0004	NA	0.009
RL279 725 730	0.0011	NA	0.020
RL279 730 735	0.0001	NA	0.006
RL279 735 740	<0.0001	NA	0.003
RL279 740 745	0.0001	NA	0.003
RL279 745 750	0.0007	NA	0.023
RL279 750 755	0.0001	NA	0.006
RL279 755 760	0.0073	NA	0.047
RL279 760 765	0.0067	0.0065	0.108
RL279 765 770	0.0029	NA	0.032
RL279 770 775	<0.0001	NA	0.018
BL-113	0.0001	NA	NA
RL279 775 780	0.0001	NA	0.003
RL279 780 785	0.0003	NA	0.006
RL279 785 790	0.0004	NA	0.015
RL279 790 795	0.0002	NA	0.009
RL279 795 800	0.0002	NA	0.003
RL279 800 805	0.0001	NA	0.003

10.007 .0066