60001636

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-258
AUTHOR	R. Stoeber; T. Kuhl; K. Kenner; V. Peterson; P. Grafft.
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, Inc; Bondar-Clegg Inc
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 800' handwritten notes; directional survey ~~27p~~ 29

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 6/2/08
Initials Date
DB: MSh
Initials Date
SCANNED: NV Blue
Initials Date

Revised: 1/22/08

Drill Log
Rosebud

RL-258
South East Target

60001636 4010

60001626

LAC

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

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER RL 258 TOTAL DEPTH 900' LOGGED BY RKS

Date started 3/11/92

Date completed 3/20/92

Initial bearing –

Initial inclination -90

Elevation

Collar coordinates:

N

E

Contractor: Stevens

Drill Type: R.C

Hole Size: 5 1/4

Drilling Conditions: Bueno

Footage: Wet / Dry 0-665' Dry

665-900 Wet

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-258

Page 1 of 2

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

"B" Bags start at 640-860

LOGGED BY

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 (Time Start 10:00 am)	ROD CONN.	Ag	Au	✓
													Brn org Brn-red				0	O.B. Qal		<	<	<
05																						
10																						
15													Lav Brn-red					Fine grain tuff w/ phenos up to .5mm		.01		
20																				<		<
25																						
30																						
35																						
40																				.01		<
45																		(damp)		<		
50																						<
55																						
60																		3/11 11:45 shut down for repair saber sub				
65																		3/18 Broke down King swivel shut down for break		<	<	<
70																				<	<	
75																				<	<	
80																				<	<	
85																				<	<	
90																				.01	<	
95																				<	<	
100																						

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

DRILL HOLE RL-258

Page 2 of 9

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

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.	Ag	Au	✓
													Lav Brn-red				0	SAA - Ct Ox Redox sulf		<	<	
105													lt Grn Lav				.1			.01	<	<
110													lt Grn tan tan-org				.5			.04	.001	
115																	.5			<	<	
120													Brn-red lt Grn Lav				.1			<	<	
125																				.01	<	
130																				.01	<	
135													lt Green Brn-red							.01	<	
140			Ca																			
145		? fault	Ca										lt Grn flesh-red				.5	(Incr sulf; mod Ca)		.02	.006	.004
150			Ca														.1			<	<	
155			Ca																	.02	<	<
160													lt Grn Brn-red							.01	<	
165													Brn-red							<	<	
170													lt Grn flesh-red							.01	<	
175													lt Grn lt Gry				1	(Strg sulf; wk slfd)		.02	<	
180																	.5			.02	<	
185																	1	(Strg sulf; wk slfd)		.07	.037	
190													lt Grn Brn-red				.5			.01	<	
195													Brn-red				.1			.01	<	<
200													lt Grn flesh-red				.1			.04	.001	

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

DRILL HOLE RL-258

Page 3 of 9

VEIN TYPES

- FINE-GRAINED TUFF
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- Xc CHALCEDONIC
- Xk STOCKWORK
- Ca CALCITE
- HYDROTHERMAL BRECCIA VNS
- Ba BARITE

LOGGED BY _____

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.	Ag	Au	✓
													Lt Grn Flesh				.5	SAA - Ct (Incr silica flood & sulf.)		.01	<	
205		3 Fault											Lt Gry				1			.19	.001	
210													Olive Brn-red				.1			.01	<	
215													Brn-red				0	(w/ calc.)		<	<	
220			Ca										Lt Grn Flesh-red				.1			.01	<	
225			Ca										Lt Grn Flesh				.5			.11	.010	.009
230													Lt Grn Lt Gry Flesh				1	(Strong sulf)		.06	.005	
235																	1			.06	.003	.003
240													Lt Green				.5	(damp)		1.75	.165	.156
245													Lt Grn Grn				.5			.19	.002	
250													Grn Flesh				.5	(slight incr. sulf)		.08	.001	
255																	.5			.07	.030	
260													Lt Grn Flesh							.08	.001	
265													Lt Grn Brn-red				.1			.02	<	
270																				<	<	
275																						<
280													Brn-red				0					
285																				.01		
290													Green				.1			.01		
295																	.1			.08	.003	
300																						

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

DRILL HOLE RL-258

Page 4 of 9

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 _____

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.	Ag	Au	✓
													Green Lt Grn				.1	SAA - Ct	X	.03	.001	
305																		w/ Drk Grn chlorite seams damp		.77	.126	.128
310																				2.45	.133	.132
315																	.5			.80	.034	
320		? Fault											Lt Grey Flesh				1	Good looking Rx Zner sulf. Py	X	.43	.019	.019
325													Green Lt Green flesh				.5			.15	.004	
330																	.1			.05	.002	
335																				.06	.003	
340													Green Lt Grn						X	.11	.004	
345													Grn Brownish				.1			.02	.001	
350																	.1			.02	.001	
355													Brownish Lt Grn							.02	.002	
360																			X	.03	.002	.002
365																				.01	.001	
370																				.01	.001	
375																				.01	.001	
380																			X	.04	.002	
385																				.01	.001	
390																				<	.001	
395																				.01	<	
400																						

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

DRILL HOLE RL-258

Page 5 of 9

VEIN TYPES

- FINE-GRAINED TUFF
- BEDDED BUD LLT
- VOLCANICLASTIC
- PORPHYRITIC TUFF
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- HYDROTHERMAL BRECCIA VNS
- Ba BARITE

LOGGED BY _____

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	RDD CONN.	Ag	Au	✓
													Brn-red lt Grn				.1	SAA · Ct	X	.01	.002	
405													↓				.1			.01	<	<
410													Brn-red				.1			<	.001	
415																	0			<	.001	
420																			X	<	<	
425																	↓			.01	.002	
430													lt Grn				.1			.03	<	
435													Green lt Grn				.1			.11	.001	
440													lt. Grn flesh lt Grey				.5	(Stringer Bleached & alt.)	X	.03	.002	
445													↓				.5			<	.001	.001
450													lt Grn flesh-red grey				.1			.04	<	
455													↓				.1			.04	.001	
460													lt Green Green flesh				.5		X	.90	.001	
465																		(slight incr sulf)		.05	.017	.016
470																				.05	.001	
475													Brn-red lt Green				.1	Sharp Δ rx alt & color		.02	<	
480													↓				.1		X	.02	<	
485													lt Green Green flesh-red				.5			.01	<	
490																	.5	(w/ Drk Green Chlorite seams)		<	<	
495													Brn-red Lav				0			<	<	
500																						

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

DRILL HOLE RL-258

Page 6 of 9

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

VEIN TYPES

DRUZY QUARTZ
Xc CHALCEDONIC
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Ba BARITE

LOGGED BY

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.	Ag	Au	✓
													Brn-red				0	SAA · G		<	<	
505																						
510													Purp Brn-red									
515																						
520																						
525																						
530																						<
535													low lt Grn				.1					
540													lt Green peach				.5	(wk. alt.)		.02	.01	.01
545																				.02	<	
550																				.01		
555																				<		
560													Purp lt Grn				.1			.01		
565													Low lt Grn							<		
570																		slight incr. sulf.		<		
575																				<		<
580													lt Grn							.01		
585																				<		
590													Purp Blue				0			<		
595													lt Green Green Low				.1			.02		
600																						

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

DRILL HOLE RL-258

Page 7 of 9

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

VEIN TYPES

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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.	Ag	Au	✓
605													Flesh Green				.1	SAA · Ct	X	.06	.001	
610																	.1			.23	.003	
615													Dry pink Grn							.02	<	
620																				.02		<
625													Green lt Grn flesh						X	.01		
630			Ca										Flesh lt Grey lt Grn				.5	(w/ calc vn)		.01		
635			Ca										Green lt Grn				.1			.02	.001	
640		Fault	Ca xk										Green Flesh-Brn wht				.5	(trace xk)		.02	.004	
645			Ca xk										lt Green Green flesh				.5		X	.03	.003	
650			xk																	.08	.003	
655			xk																	.03	.006	
660			xk Ca										Green lt Grn wht					(Inner Calc) 3/18 3/19		.13	.092	.080	.086
665			xk Ca															Start Double Samples 3/19	X	.06	.013	.011	.012
670			xk Ca															mod xk		.03	.032		.032
675			xk																	.02	.001		.001
680		Frac	xk Ba															(w/ Barite and Wht Kaolin)		.76	.037		.037
685			xk															Grad over in dissem sulf	X	.15	.063	.056	.063
690			xk															Ran out of water 8:15 am Drilling at 11:10 am		.03	.001		
695			xk										Green lt Grey flesh							.02	.001		
700			xk														1			.02	.003		

SFR?
RD?
dry
wet
minor H2O

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

DRILL HOLE RL-258

Page 8 of 9

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

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.	Ag	Au	✓
																		Still taking "B" Bags				
			Ca										Green Lt Grey Flesh				1	SAA - Stng disseam sulf. & trace Calc vn	X	.01	<	
705																						
			Ca xk														1			.02	<	
710																						
			xk														1			.02	.001	
715																						
			xk														1			.02	.001	
720			xk										Lt Grey Flesh Lt Gm				1	(Slight incr in sulf and Qtz vn & Bleach)	X	.04	.001	
725																						
			xk														1	(wk Bx? or Calc		.04	.003	
730																						
			xk										Lt Gm Flesh				.5	Incr Qtz		.67	.036	.036
735																						
		Flesh	xk										Lt Green Flesh Lt Grey				1	(w/ wht & clear Qtz) w/ wht Kaolin		1.20	.025	
more H_2O ~30 GPM 740																						
			xk														1		X	.17	.008	
~40 GPM Quit Injecting 745																						
			xk														.5			.08	.009	.009
750																						
			xk										Lt Green Lt Grey Flesh-org				1			.04	.002	
755																						
			xk														.5			.10	.005	
760																						
			xk										Lt Grey Flesh-org				.5	(Strange looking stuff) (Silica flood incr.)	X	.06	.001	
765																						
			xk														.5			.06	.002	
770																						
			xk										Lt Grey Flesh-org Green				.5	(Trace Qtz w/ chlorite seams)		.02	.002	
775																						
			xk										Lt Grey Green Lt Green				.5			.02	<	
780																						
																	.5	(w/ chlorite seams)	X	.02	.001	.001
785																						
																				.02	.001	
790																						
																				.02	<	
795																						
																				.02	.001	
800																						

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

DRILL HOLE RL-258

Page 9 of 9

- 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 _____

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.	Ag	Au	✓
													Lt Grn Purp.				.1	SAA-Ct Chlorite seams (V. Wk. alt.)		.08	.005	.005
805													Lt Green Lt Grey				.1	(w/ strg chlorite seams)		.06	.003	
810																	.1			.02	.002	
815																				.02	.001	
820																		(Slightincr. sulf.)		.02	.001	
825																				.03	.002	.001
830																	.5	(trace Calc.) (Slight incr. sulf. & silica Flood)		.02	.001	
835			Ca														.5			.06	.004	
840																	.5			.02	.002	
845			Xk															trace Qtz				
850		? fault	Xk										trace Purp				.5	Stronger Bleach & Silica Flood ↓		.01	.001	
855													Dk Purp Brown				.1			<	<	
860													Purp Lt Grn Tan							.02	<	
865													Purp Lt Grn					3/19 3/20		<	<	
870													Green Lt Green Flesh									
875													Green Lt Green									
880			Ca										Green Lt Green Lt Grey					(Incr. Bleach trace silica Flood Calc vn)				
885			Ca										Dk Green Lt Green					(Slight incr Chlorite & sulf.)				
890																						
895																						
900																						

TD 9:15am 3/20/92

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

30-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 3
Copy: 1 of 3
Set : 2

Attn: Tim Kuhl
Project: Rosebud

PO #:

Received: 27-Apr-92 09:56

Job: 92627R

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
MS	: Missing
NA	: Not Analyzed

Job approved by:

Signed:

.....
Vernon K. Peterson
Laboratory Manager

cc: KRISTEN KENNER, LAC MINERALS

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

18-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Page: 2
Copy: 1 of 3
Set : 2

Attn: Tim Kuhl
Project: Rosebud

Received: 12-Mar-92 15:48

PO #:

Job: 92343R

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: Vern Peterson mr
Vernon K. Peterson
Laboratory Manager

cc: Kristen Kenner, LAC Minerals

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

18-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud

Received: 12-Mar-92 15:48

PO #:

Job: 92343R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-258 0 5	<0.0001	0.0001	0.006
BL- 001	~~<0.0001~~	~~<0.0001~~	~~NA~~
RL-258 5 10	<0.0001	NA	0.003
RL-258 10 15	<0.0001	NA	0.003
RL-258 15 20	<0.0001	NA	0.006
RL-258 20 25	0.0002	0.0002	0.003
RL-258 25 30	<0.0001	NA	<0.003
RL-258 30 35	<0.0001	NA	0.003
RL-258 35 40	<0.0001	NA	0.003
RL-258 40 45	<0.0001	<0.0001	0.006
RL-258 45 50	<0.0001	NA	0.003
RL-258 50 55	<0.0001	<0.0001	0.003
RL-258 55 60	0.0001	NA	<0.003
RL-258 60 65	<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

25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Page: 1
Copy: 1 of 3
Set : 1

Attn: Tim Kuhl
Project: Rosebud

PO #:

Received: 20-Mar-92 12:22

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 65 70	0.0002	0.0002	<0.003
BL 013	~~0.0537~~	~~NA~~	~~NA~~
RL258 70 75	<0.0001	NA	<0.003
RL258 75 80	<0.0001	NA	<0.003
RL258 80 85	<0.0001	NA	<0.003
RL258 85 90	<0.0001	NA	<0.003
RL258 90 95	<0.0001	NA	0.006
RL258 95 100	<0.0001	NA	<0.003
RL258 100 105	<0.0001	NA	0.003
RL258 105 110	0.0001	0.0002	0.006
RL258 110 115	0.0005	NA	0.035
RL258 115 120	0.0001	NA	0.003
RL258 120 125	<0.0001	NA	<0.003
RL258 125 130	<0.0001	NA	0.006
RL258 130 135	<0.0001	NA	0.006
RL258 135 140	<0.0001	NA	0.012
RL258 140 145	0.0048	0.0040	0.018
RL258 145 150	<0.0001	NA	0.003
RL258 150 155	0.0004	0.0004	0.018
BL 014	~~0.0468~~	~~NA~~	~~NA~~
RL258 155 160	0.0003	NA	0.006
RL258 160 165	<0.0001	NA	0.003
RL258 165 170	<0.0001	NA	0.012
RL258 170 175	0.0003	NA	0.020
RL258 175 180	0.0003	NA	0.020
RL258 180 185	0.0371	NA	0.067
RL258 185 190	0.0004	NA	0.012
RL258 190 195	<0.0001	<0.0001	0.006
RL258 195 200	0.0005	NA	0.035
RL258 200 205	0.0003	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

25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud

Received: 20-Mar-92 12:22

PO #:

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 205 210	0.0006	NA	0.187
RL258 210 215	0.0004	NA	0.006
RL258 215 220	<0.0001	NA	0.003
RL258 220 225	<0.0001	NA	0.006
RL258 225 230	0.0098	0.0093	0.105
RL258 230 235	0.0049	NA	0.055
RL258 235 240	0.0032	0.0028	0.055
BL 015	~~0.0223~~	NA	NA
RL258 240 245	0.1650	0.1560	1.752
RL258 245 250	0.0164	NA	0.190
RL258 250 255	0.0021	NA	0.076
RL258 255 260	0.0014	NA	0.067
RL258 260 265	0.0300	NA	0.076
RL258 265 270	0.0008	NA	0.018
RL258 270 275	0.0003	NA	0.003
RL258 275 280	0.0004	0.0001	0.003
RL258 280 285	0.0004	NA	0.003
RL258 285 290	0.0003	NA	0.006
RL258 290 295	0.0003	NA	0.012
RL258 295 300	0.0032	NA	0.079
RL258 300 305	0.0012	NA	0.029
RL258 305 310	0.1259	0.1280	0.774
RL258 310 315	0.1332	0.1320	2.453
RL258 315 320	0.0340	NA	0.800
RL258 320 325	0.0138	0.0135	0.429
BL 016	~~0.0219~~	NA	NA
RL258 325 330	0.0036	NA	0.152
RL258 330 335	0.0017	NA	0.047
RL258 335 340	0.0025	NA	0.061
RL258 340 345	0.0044	NA	0.108

BARRINGER LABORATORIES INC.

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25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud
PO #:

Received: 20-Mar-92 12:22

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 345 350	0.0009	NA	0.020
RL258 350 355	0.0006	NA	0.020
RL258 355 360	0.0020	NA	0.015
RL258 360 365	0.0018	0.0018	0.026
RL258 365 370	0.0006	NA	0.006
RL258 370 375	0.0010	NA	0.006
RL258 375 380	0.0005	NA	0.009
RL258 380 385	0.0022	NA	0.044
RL258 385 390	0.0011	NA	0.009
RL258 390 395	0.0005	NA	0.003
RL258 395 400	0.0003	NA	0.006
RL258 400 405	0.0016	NA	0.012
RL258 405 410	0.0004	0.0003	0.006
BL 017	~~0.0222~~	~~NA~~	~~NA~~
RL258 410 415	0.0006	NA	0.003
RL258 415 420	0.0006	NA	0.003
RL258 420 425	0.0003	NA	0.003
RL258 425 430	0.0015	NA	0.003
RL258 430 435	0.0004	NA	0.006
RL258 435 440	0.0008	NA	0.029
RL258 440 445	0.0018	NA	0.114
RL258 445 450	0.0012	0.0010	0.029
RL258 450 455	0.0004	NA	0.003
RL258 455 460	0.0012	NA	0.038
RL258 460 465	0.0011	NA	0.035
RL258 465 470	0.0167	0.0161	0.899
RL258 470 475	0.0014	NA	0.053
RL258 475 480	0.0004	NA	0.015
RL258 480 485	0.0001	NA	0.018
RL258 485 490	0.0001	NA	0.009

BARRINGER LABORATORIES INC.

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RENO, NEVADA 89511
PHONE: (702) 828-1158

25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud

Received: 20-Mar-92 12:22

PO #:

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 490 495	0.0002	0.0003	0.003
BL 018	~~0.0535~~	~~NA~~	~~NA~~
RL258 495 500	0.0002	NA	<0.003
RL258 500 505	0.0002	NA	<0.003
RL258 505 510	0.0001	NA	0.003
RL258 510 515	0.0001	NA	0.003
RL258 515 520	0.0001	NA	0.003
RL258 520 525	0.0001	NA	<0.003
RL258 525 530	0.0001	NA	<0.003
RL258 530 535	<0.0001	<0.0001	0.003
RL258 535 540	<0.0001	NA	<0.003
RL258 540 545	0.0013	0.0012	0.018
RL258 545 550	0.0004	NA	0.020
RL258 550 555	0.0001	NA	0.009
RL258 555 560	0.0001	NA	<0.003
RL258 560 565	0.0001	NA	0.009
RL258 565 570	0.0001	NA	<0.003
RL258 570 575	<0.0001	NA	<0.003
RL258 575 580	<0.0001	<0.0001	0.003
BL 019	~~0.0141~~	~~NA~~	~~NA~~
RL258 580 585	0.0001	NA	0.009
RL258 585 590	0.0001	NA	0.003
RL258 590 595	0.0002	NA	<0.003
RL258 595 600	0.0002	NA	0.018
RL258 600 605	0.0005	NA	0.055
RL258 605 610	0.0031	NA	0.234
RL258 610 615	0.0001	NA	0.015
RL258 615 620	0.0002	0.0002	0.015
RL258 620 625	0.0001	NA	0.012
RL258 625 630	0.0001	NA	0.012

BARRINGER LABORATORIES INC.

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RENO, NEVADA 89511
PHONE: (702) 828-1158

25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud

Received: 20-Mar-92 12:22

PO #:

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 630 635	0.0007	NA	0.020
RL258 635 640	0.0037	NA	0.023
RL258 640 645	0.0025	NA	0.029
RL258 645 650	0.0032	NA	0.076
RL258 650 655	0.0058	NA	0.026
RL258 655 660	0.0920	0.0801	0.134
RL258 660 665	0.0131	0.0112	0.058
BL 020	~~0.0219~~	~~NA~~	~~NA~~
RL258 665 670	0.0319	NA	0.029
RL258 670 675	0.0010	NA	0.020
RL258 675 680	0.0367	NA	0.756
RL258 680 685	0.0634	0.0560	0.152
RL258 685 690	0.0014	NA	0.032
RL258 690 695	0.0015	NA	0.020
RL258 695 700	0.0034	NA	0.018
RL258 700 705	0.0002	0.0002	0.009
RL258 705 710	0.0004	NA	0.015
RL258 710 715	0.0006	NA	0.015
RL258 715 720	0.0005	NA	0.018
RL258 720 725	0.0006	NA	0.035
RL258 725 730	0.0029	NA	0.035
RL258 730 735	0.0364	0.0360	0.666
RL258 735 740	0.0250	NA	1.197
RL258 740 745	0.0081	NA	0.169
RL258 745 750	0.0089	0.0090	0.076
Bl 021	~~0.0435~~	~~NA~~	~~NA~~
RL258 750 755	0.0023	NA	0.044
BL 022	~~0.0144~~	~~NA~~	~~NA~~
RL258 755 760	0.0052	NA	0.099
RL258 760 765	0.0011	NA	0.055

BARRINGER LABORATORIES INC.

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RENO, NEVADA 89511
PHONE: (702) 828-1158

25-Mar-92

LAC Minerals
P.O. Box 21390
Reno, Nv. 89515

Attn: Tim Kuhl
Project: Rosebud

PO #:

Received: 20-Mar-92 12:22

Job: 92391R

Status: Final

Cutting

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL258 765 770	0.0022	NA	0.058
RL258 770 775	0.0022	NA	0.023
RL258 775 780	0.0004	NA	0.018
RL258 780 785	0.0011	0.0010	0.026
RL258 785 790	0.0008	NA	0.026
RL258 790 795	0.0003	NA	0.020
RL258 795 800	0.0008	NA	0.023
RL258 800 805	0.0047	0.0052	0.076
RL258 805 810	0.0033	NA	0.064
RL258 810 815	0.0022	NA	0.023
RL258 815 820	0.0006	NA	0.015
RL258 820 825	0.0008	NA	0.018
RL258 825 830	0.0016	0.0013	0.026
RL258 830 835	0.0005	NA	0.020
RL258 835 840	0.0039	NA	0.058
BL 023	~~0.0204~~	~~NA~~	~~NA~~
RL258 840 845	0.0015	NA	0.020
RL258 845 850	0.0010	NA	0.012
RL258 850 855	0.0001	NA	0.003
RL258 855 860	0.0004	NA	0.015
RL258 860 865	0.0001	NA	0.003

File

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

30-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Page: 1
Copy: 1 of 3
Set : 1

Attn: Tim Kuhl
Project: Rosebud

PO #:

Received: 27-Apr-92 09:56

Job: 92627R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-258 665 670	0.0065	0.0078	0.026
BL-005	0.0152	NA	NA
RL-258 670 675	0.0028	NA	0.026
RL-258 675 680	0.0226	NA	0.619
RL-258 680 685	0.0700	NA	0.102
RL-258 685 690	0.0007	NA	0.038
RL-258 690 695	0.0003	NA	0.023
RL-258 695 700	0.0016	NA	0.020
RL-258 700 705	0.0001	NA	0.012
RL-258 705 710	0.0001	0.0001	0.020
RL-258 710 715	<0.0001	NA	0.018
RL-258 715 720	0.0002	NA	0.023
RL-258 720 725	0.0006	NA	0.038
RL-258 725 730	0.0035	NA	0.044
RL-258 730 735	0.0240	NA	0.634
RL-258 735 740	0.0300	0.0290	1.32
RL-258 740 745	0.0042	NA	0.184
RL-258 745 750	0.0189	NA	0.146
RL-258 750 755	0.0019	0.0015	0.038
BL-006	<0.0001	NA	NA
RL-258 755 760	0.0022	NA	0.064
RL-258 760 765	0.0024	NA	0.047
RL-258 765 770	0.0008	NA	0.061
RL-258 770 775	0.0007	NA	0.023
RL-258 775 780	0.0003	NA	0.009
RL-258 780 785	<0.0001	NA	0.032
RL-258 785 790	0.0006	NA	0.035
RL-258 790 795	0.0001	<0.0001	0.020
RL-258 795 800	<0.0001	NA	0.018
RL-258 800 805	0.0052	NA	0.076

05. 04. 92 10:51 AM *Barringer Labs, Inc. P01

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) 826-1158

30-Apr-92

LAC MINERALS
P O BOX 21390
RENO NV 89515

Attn: Tim Kuhl
Project: Rosebud

PO #:

Received: 27-Apr-92 09:56

Job: 92627R

Status: Final

Drill Core

Sample Id	Au FA/AA/AAS oz/ton	Au FA/AA oz/ton	Ag AA oz/ton
RL-258 805 810	0.0050	NA	0.064
RL-258 810 815	0.0022	NA	0.029
RL-258 815 820	0.0006	NA	0.018
RL-258 820 825	0.0007	NA	0.023
RL-258 825 830	0.0009	NA	0.038
RL-258 830 835	0.0004	NA	0.023
RL-258 835 840	0.0082	0.0076	0.064
BL-007	0.0537	NA	NA
RL-258 840 845	0.0010	NA	0.026
RL-258 845 850	0.0009	NA	0.012
RL-258 850 855	0.0002	NA	0.006
RL-258 855 860	0.0031	0.0023	0.041
RL-258 860 865	MS	MS	MS
RL-258 865 870	0.0027	NA	0.079
RL-258 870 875	0.0005	NA	0.006
RL-258 875 880	<0.0001	<0.0001	0.015
RL-258 880 885	0.0032	NA	0.012
RL-258 885 890	0.0008	NA	0.023
RL-258 890 895	0.0001	NA	0.009
RL-258 895 900	0.0032	NA	0.055
RL-258 900 905	MS	MS	MS
RL-258 905 910	MS	MS	MS
RL-258 910 915	MS	MS	MS
RL-258 915 920	MS	MS	MS

05. 04. 92 10:51 AM *Barringer Labs, Inc. P02

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
:.2 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7-MAY-92
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
Q2 RL 258 300-305		<0.001	0.03
Q2 RL 258 305-310		0.125	0.75
Q2 RL 258 310-315		0.134	2.60
Q2 RL 258 315-320		0.044	0.76
Q2 RL 258 320-325		0.015	0.44
Q2 RL 258 325-330		0.004	0.11
Q2 RL 258 330-335		0.007	0.04
Q2 RL 258 335-340		0.003	0.05
Q2 RL 258 340-345		0.005	0.08
Q2 RL 259 550-555		<0.001	<0.02
Q2 RL 259 555-560		<0.001	<0.02
Q2 RL 259 560-565		0.010	0.03
Q2 RL 259 565-570		0.014	0.07
Q2 RL 259 570-575		0.013	0.03
Q2 RL 259 575-580		0.018	0.06
Q2 RL 259 580-585		0.002	0.05
Q2 RL 259 585-590		0.037	0.14
Q2 RL 259 590-595		0.035	0.43
Q2 RL 259 595-600		0.036	4.14
Q2 RL 259 600-605		0.043	4.65
Q2 RL 259 605-610		0.063	3.76
Q2 RL 259 610-615		0.028	1.15
Q2 RL 259 615-620		0.042	0.49
Q2 RL 259 620-625		0.016	0.25
Q2 RL 259 625-630		0.006	0.54
Q2 RL 259 630-635		0.011	1.43
Q2 RL 259 635-640		0.002	0.10
Q2 RL 259 640-645		0.003	0.05
Q2 RL 261C 618-623		0.003	0.05
Q2 RL 261C 623-628		<0.001	0.07
Q2 RL 261C 628-633		0.004	0.09
Q2 RL 261C 633-638		0.002	0.11
Q2 RL 261C 638-641.2		0.007	1.76
Q2 RL 261C 641.2-643		0.010	0.39
Q2 RL 261C 643-648		0.011	2.18
Q2 RL 261C 648-651		0.010	6.40
Q2 RL 261C 651-656		0.191	3.99
Q2 RL 261C 656-661		0.116	0.31
Q2 RL 261C 661-666		0.014	0.09
Q2 RL 261C 666-671		0.036	0.05
Q2 RL 261C 671-675.2		0.796	0.83
Q2 RL 261C 675.2-681		0.684	2.18
Q2 RL 261C 681-686		0.085	0.14
Q2 RL 261C 686-691		0.225	0.42
Q2 RL 261C 691-696		0.129	0.17
Q2 RL 261C 696-701		0.118	0.13
Q2 RL 261C 701-706		0.042	0.07
Q2 RL 261C 706-711		0.104	0.15
Q2 RL 261C 711-716		0.067	0.07
Q2 RL 261C 716-721		0.065	0.08
Q2 RL 261C 721-726		0.067	0.05
Q2 RL 261C 726-730.2		0.008	0.03
Q2 RL 261C 730.2734.5		0.070	0.07

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
2 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7-MAY-92
PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Au OPT	AG OPT
ANALYTICAL BLANK		<0.001	<0.02
Number of Analyses		1	1
Mean Value		0.0005	0.010
Standard Deviation		-	-
Accepted Value		0.002	0.02
MISC STD		0.040	0.30
Number of Analyses		1	1
Mean Value		0.0400	0.300
Standard Deviation		-	-
Accepted Value		-	-

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
(359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R92-10528.4 (COMPLETE)

DATE PRINTED: 7-MAY-92
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT	AG OPT
RL 258 325-330		0.004	0.11				
Duplicate		0.004	0.08				
RL 259 590-595		0.035	0.43				
Duplicate		0.031	0.37				
RL 259 610-615		0.028	1.15				
Prep Duplicate		0.027	1.03				
RL 261C 618-623		0.003	0.05				
Duplicate		0.002	0.05				
RL 261C 666-671		0.036	0.05				
Duplicate		0.039	0.06				
RL 261C 691-696		0.129	0.17				
Prep Duplicate		0.122	0.15				
RL 261C 721-726		0.067	0.05				
Duplicate		0.066	0.06				

LAC Minerals – Rejects to Keep

Date Recieved	Work Order #	Rejects to Keep
4-10-92	92523	RL-260
	this entire hole is on job # 92523	25-30 → 150-155 225-230 → 395-400 660-665 → 795-800
5-8-92	92755	RL-266
	this interval is the only ☆ sequence from job # 92755	30-35 → 195-200
	92785	540-545 → 610-615 660-665 → 680-685
4-25-92	92620	RL-274
	all present on job # 92620	150-155 → 230-235 355-360 → 565-570
4-25-92	92619	RL-271
	all present on job # 92619	200-210 → 270-275 400-405 → 425-430 720-725 → 745-750
4-27-92	92627	RL-258
	92343 →	0-5 → 295-300
	92391 →	485-490 → 625-630
	This is the only interval from job # 92627	750-755 → 860-865
4-23-92	92603	RL-273
	this entire hole is on job # 92603	90-95 → 120-125 170-175 → 330-335 385-390 → 400-405 460-465 → 695-700

BOYLES-WELNAV
ELKO, NEVADA

GYROSCOPIC DIRECTIONAL SURVEY
BY MINIMUM CURVATURE

FOR

****
* LAC MINERALS *
****

JOB NUMBER: 029-0313-12CCGY

WELL NAME: RL-258

LOCATION: ROSEBUD PROPERTY

SURVEY DATE: 05-27-1992

SURVEY ENGINEER: PHIL GRAFFT

GYRO REFERENCE BEARING: 114.00

********** DEPTH MEASURED IN FEET **********

COMMENTS: 700 FT. PROJECTED
455 FT.

****
*** THIS DIRECTIONAL SURVEY REPORT IS ****
** CORRECT TO THE BEST OF MY KNOWLEDGE ***
* AND IS SUPPORTED BY ACTUAL FIELD DATA! *
**
**
**
**
****
****

BOYLES-WELNAV
ELKO,NEVADA

JOB NUMBER: 029-0313-12CCGY

WELL NAME: RL-258

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLOS.	INCL	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION
50.0	50.00	0.08	0.089	-89.72	048.07	0.08 N	0.09 E	0.56	0.28	0.12	AT 048.07
100.0	100.00	0.22	0.299	-89.70	067.57	0.21 N	0.30 E	0.20	0.10	0.37	AT 054.84
150.0	150.00	0.30	0.507	-89.79	073.75	0.29 N	0.51 E	0.19	0.09	0.59	AT 060.56
200.0	200.00	0.55	0.544	-89.47	348.35	0.54 N	0.55 E	1.11	0.55	0.77	AT 045.63
250.0	249.99	1.52	0.463	-88.29	358.62	1.51 N	0.49 E	2.38	1.19	1.59	AT 017.88
300.0	299.97	2.99	0.405	-88.34	358.83	2.98 N	0.46 E	0.10	0.05	3.02	AT 008.68
350.0	349.94	4.47	0.346	-88.27	358.57	4.46 N	0.42 E	0.14	0.07	4.48	AT 005.40
400.0	399.92	6.13	0.306	-87.92	000.45	6.12 N	0.41 E	0.71	0.36	6.14	AT 003.83
450.0	449.88	8.00	0.257	-87.79	358.50	7.99 N	0.39 E	0.30	0.15	8.00	AT 002.81
455.0	454.88	8.21	0.250	-87.47	359.65	8.20 N	0.39 E	6.47	0.32	8.21	AT 002.71
700.0	699.64	19.02	-0.001	-87.47	359.63	19.02 N	0.32 E	0.00	0.00	19.02	AT 000.97

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*                          ********                         *
*      THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF          *
*                          ********                         *
*   700.0 FEET EQUALS     19.02    FEET AT  000.97          *
*                          ********                         *
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