

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY	Pershing
If different from written on document	
TITLE	Rosebud Drill Hole File-Hole No RS-474
If not obvious	
AUTHOR	D. Schaefer; R. Vance; C. Ballou; R. Kellner S. Lantaigne; D. Williams; C. Hunor; R. Gray
DATE OF DOC(S)	1999
MULTI_DIST Y / N?	<input checked="" type="radio"/>
Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Mining Co., LLC; Newmont Mining Corp.; Hecla Mining Co.; Newmont Gold Co.; Degerstrom Hole
COMMODITY	gold; silver
If not obvious	
NOTES	drill logs; assay; geology; photographs; geochemistry; total depth 2246.5'; handwritten notes; invoices; correspondence 130 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)

Revised: 1/22/08

SS: DD 2/20/08
Initials Date
DB:
Initials Date
SCANNED:
Initials Date

RS-474 (Degerstrom)

60000584
4010

6000 0584

ROSEBUD MINING COMPANY, LLC.

Degerstrom Hole

COLLAR COORDINATES

NORTH 2205100 2205285

EAST 475950 475732

ELEV 5440 5570

DRILLING CO. Eklund Longyear DRILLER Schorl

PAGE 1 OF

SURVEYED TO

START HOLE

FINISH HOLE

HOLE #

R S - 474

HOLE TYPE

LOGGED BY

T.D

RC core tool

RC/BBG Core

BEARING

ANGLE -90°

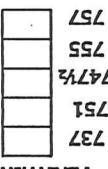
T.D

ALTERATION INTENSITY

WEAK	MODERATE	STRONG
1	2	3
VERTHIN COLOR	SILICIFICATION	GREEN CLAY
737	751	755
VERTHIN COLOR	WHITE CLAY	PYRITE
741	754	757
BRUECKA	MARCASTE	MARCASTE
Fault 741		
QUARTZ VEN		
CALCITE VEN		
CLAY VEN		
PYRITE VEN		

GRAPHIC LOG

W



COLOR

741

741½

741¾

741⅓

741⅔

741⅕

741⅖

741⅗

741⅘

741⅙

741⅚

741⅛

741⅜

741⅝

741⅞

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741⅝

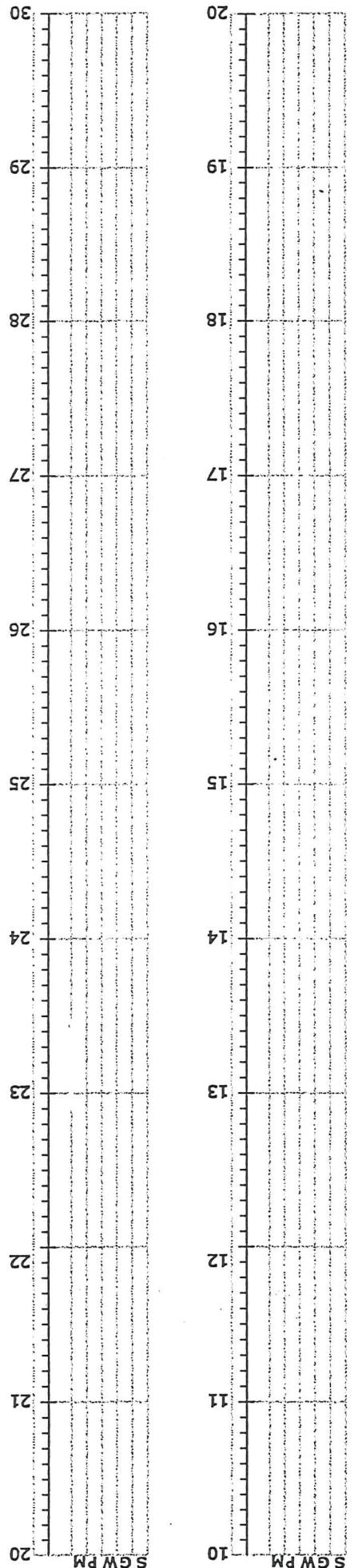
741⅞

741⅛

741⅜

741⅝

741⅞



Hole#	RS-474		Newmont Gold Rotary Form				Az/Incl	-90°		Page 1 of 4									
Logged by	R. Vance		Area		Degerstrom		Total Depth												
Date			Coords				Contractor	EKlund											
Footage	Litho	Formation	Rock type	Graphic	Structure		Comments				Met.	Mineralogy							
						fault	breccla	vein	gouge	Silic	argilllic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite
0	RQL																		
50																			
100																			
150																			
200																			
250																			
300																			
350																			
400																			
450																			
500																			

Newmont Gold Rotary Form							Az/Incl _____				Page _____												
Hole#	RS-474			Area			Degerstrom			Total Depth _____			2 of 4										
Logged by				Coords						Contractor													
Footage	Litho		Formation	Structure			Comments				Alteration		Met.	Mineralogy									
	Rock type	Color		Au oz/st	Ag oz/st	Graphic	fault	breccia	vein	gouge	Silic	argillic			clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfido	Pyrite	Marcasite
500																							
600																							
700																							
800																							
900																							
1000																							

Newmont Gold Rotary Form								Az/Incl				Page																	
Hole#	RS-474			Area			Total Depth			Contractor			3 of 4																
Logged by																													
Date				Coords																									
Footage	Litho		Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure		Comments						Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
	Fault	Breccia							Vein	Gouge																			
1000																													
1100																													
1200																													
1300																													
1400																													
1500																													

Hole# RS-474

Newmont Gold Rotary Form

Area _____

Az/Incl _____

Total Depth _____

Contractor _____

Page

4 of 4

Footage	Litho			Graphic	Structure				Comments	Alteration				Met.	Mineralogy								
	Formation	Rock type	Color		Au oz/st	Ag oz/st	Fault	breccla	vein	gouge	Silic	argilllic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
1500	RQL ?																						
	vitr.						3	2	3		major flt.												
											green glassy vitrophyre. Black bio(fresh). Reaction rims around clasts or phenos.												
1550	epi	green and red					3	1	3		glauconitic or chloritic epiclastic w/ red hematitic clasts and matrix.												
1600																							
1650	RQL										bladed mar (f.g.) in white alt'd dike or sill. This may be RQL or similar unit. Free atz xtls, kelly green to emerald green mafics, granular texture. Twinned feldspar pheno @ 1665-70, may be sanidine												
							2	2	2		minor Fault												
1700											very coarse-gr. and granular.												
Tos?	epi										green epiclastic w/ a few clasts of black phyllite (ALS).												
1800																							
1850							12	1	2														
											py is bladed, but more commonly disseminated.												
											Precollar ended at 1860'.												

RBV
8/6/99

RL-474 Quick Log

- 0 - 280 ± RQL
- 280 - 350 Tct? or upper TbV
- 350 - 445 green
TbV >> Tbe Flt 360-65',
" 395-405'
- 445 - 500 purple + grn
TbV
- 500 - 520 purple Tct or TbV
- 520 ± 780' Altered RQL PY2-3, Arg 2, Si 1-2
- 825
- 825 - 1210 Tct specularite in vfg aphanitic flow
- 1210 - 1385 green Bud epi/volc.
- 1385 - Twr planar-lam rhy.
- 1635 - 1740 white rql w/ py-mar vnlts Si 2, Arg 2, py 2
- 1740 - 1820 Pale green volc bxa; Twr?

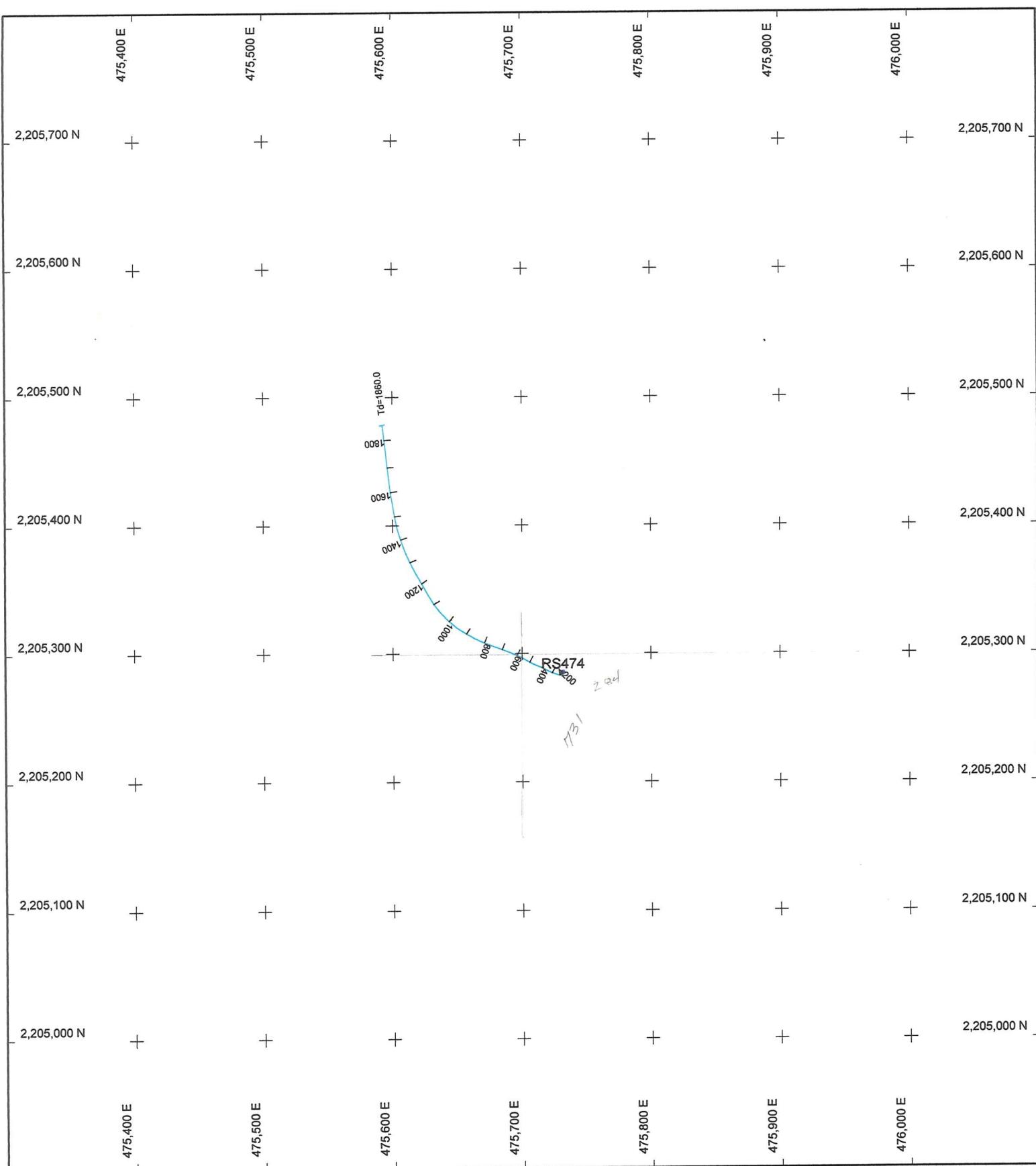
Degens from

HECLA MINING COMPANY

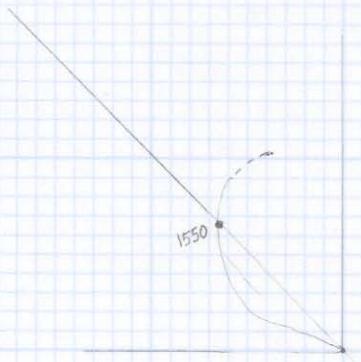
COEUR D'ALENE, IDAHO 83815

BY <u>SDA</u>	DATE <u>8/20/79</u>	JOB TITLE	JOB NO.
CHK.	DATE		DIVISION
DWG. NO.		RS - 474	SHEET OF

RQL	0- 180	- S.Dz + Bleached	RQL - slightly porphyritic unit w) plagi ± SANASINE w/RARE quartz phenos - unit is commonly flow banded.
	180- 205	- mod st to str S.Dz	RQL
	205- 280	- Blasted ± S.Dz	RQL
	280- 310	- Hem	RQL - flow banded to BRECCIATED to BOTRIODIAL TEXTURES
	310- 320	- Hem	RQL same as above w/increased Botriodial texture (Upper phase act?) w/ 50% of chips consisting of dark yellow clay.
F	320- 350	- Hem w/ink Rep	RQL (Continued as above)
	350- 360	- Prop	" "
F	360-365	- Clayey Prop	Fault
Bud Type Volc	365- 445	- Prop	Glossy Bud "type" volcanic
	445- 505	- Hem + Prop	Bud type volcanic
S.Dz Elt Zone	505- 735	- Bleached/Hem tszn	very slightly porphyritic unit w/ moderately rare plagi phenos TC ??
	735- 755	- S.Dz	SAA (745-750 - Chalcopyrite → looks good)
BMB Type	755- 825	- S.Dz + Arg + Bx	SAA (large clasts from 255-805' - common Anelite)
	825- 935	- Hem + Bleached	BMB Type porphyry
Bud Type	935- 1140	- Hem	FEMAG Flow & Bx
	1140- 1140	- Hem	Epiclastic Bx w/ clasts Dominated by Planar comminuted rock
Ep.	1140- 1210	- Hem	Epiclastic
	1210- 1320	- Prop	Epiclastic Bud type Volcanic
Ep.	1320- 1385	- Prop + Hem	" " "
	1385- 1525	- Hem	Fg pl at LBT w/Bxs
Ep.	1525- 1530	- Fault	
	1530- 1550	- Prop	Fg glassy unit
TOS	1550- 1560	- Fault	
	1560- 1585	- Prop	Epiclastic
Ep.	1585- 1625	- Hem	"
	1625- 1635	- Prop	"
TOS	1635- 1740	- Bleached/Prop	Slightly porphyritic A.Kf/Sd
	1740- 1745	- Hem	Epiclastic
TOS	1745- 1830	- Prop	Epiclastic
	1830- 1835	- Prop	clayey Fault
TOS	1835- 1860	- Prop	Epiclastic O.L
	1860	-	



Newmont Mining Corp.
ROSEBUD JV
Scale 1:1,200 (1" = 100')

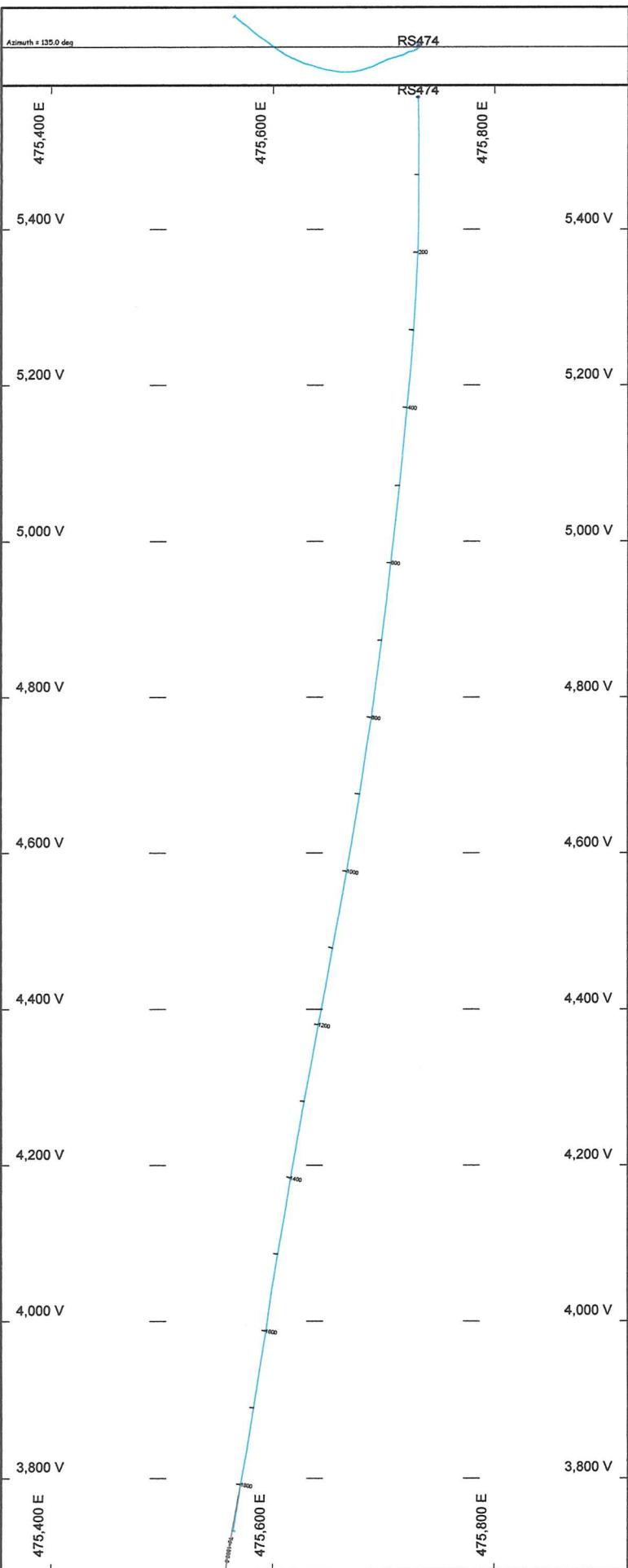


2205200N

Degerstrom

RL - 474

475, 732 E
2205, 285 N
5570' elev

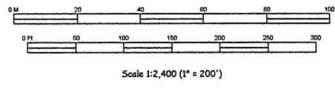


EXPLANATION

RBW-17 ~ 5217' collar
- 2180
3037' elev.

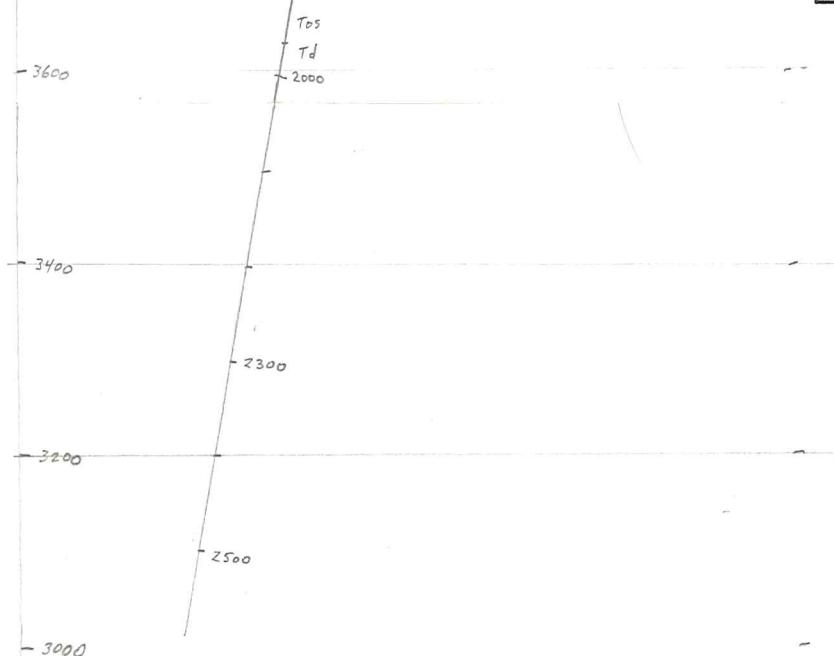
SECTION PLANE:
Origin X/Y/Z: 475,355 / 2,205,660 / 3,680
Azm/Inc: 135 / 90
Length: 800
Height: 1,905
Thickness: 50 (on each side)

Units are feet.



NEWMONT MINING CORPORATION	Newmont Mining Corp.
ROSEBUD JV	
RS474 Cross Section showing down hole deviation	

NEWMONT MINING CORPORATION PROPRIETARY INFORMATION Series 4.0 Ver 1.08
R:\Temp\plan\Jrm Monday, August 23, 1999 13:26:04



Hole# RS-474
 Logged by R. VANCE
 Date 9/21/99

Area Degerstrom
 Coords N
 E



Az/Inc

Total Depth
 Contractor Boart Longyear

Page

1 of 7

Core Form

Comments

Footage 1850	% Rec	RQD	Litho		Graphic	Attitudes	Structure	Comments	Alteration				Mineralogy											
			Formation	Rock type					Fault	Breccia	Vein	Gouge	Silic	Argill	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Manganese	Calc/Doku
1860	2.8	1.3	Tos	epi (cgl)	light grayish-green w/ white clasts	1859.7																		
100	6.0	4.4																						
84	73	3.5																						
1870	8.8	10.5																						
83	33	1.3																						
1880	6.2	7.5																						
104	17	1.2																						
103	22	91.5																						
1900	7.7	6.0																						
102	80	9.6																						
1910	10.1	91																						
1920	10.6	9.4																						
1930	101	89																						

Hole# RS-474
 Logged by R. Vance
 Date 9/22/99

Area Degerstrom
 Coords N
 E

Newmont
 Gold
 Company

Az/Inc _____
 Total Depth _____
 Contractor _____

Page
 2 of 7

Core Form

Footage 1920	% Rec	RQD	Litho			Au oz/st	Ag oz/st	Graphic	Attitudes	Structure			Comments	Alteration			Met.	Mineralogy			
			Formation	Rock type	Color					Fault	Breccia	Vein		Silic	Argillite	Clay	Prop	Sericite	Chlorite	Pyrite	Marcasite
1920																					
1924																					
1930																					
1934.8																					
1936.5																					
1938.5																					
1940			Tos	epi + (cg)	Pale greenish - white																
1942.2																					
1943.8																					
1946.6																					
1950																					
1952																					
1955																					
1959																					
1960																					
1970																					
1980																					
1990																					

Hole# RS-474
Logged by P. Butterfield
Date 9-30-99

Area Degerstrom
Coords N
E



Core Form

Az/Incl _____
Total Depth _____
Contractor _____

Page 3 of 7

Footage 1960	% Rec	RCB	Litho	Comments				Met.	Mineralogy	Mag Sec.		
				Formation	Rock type	Color	Attitudes	Fault	Breccia	Vein	Gouge	
6.7	6.5	1960.5										
83.7	81	7d	phy	Auto Bx	Pale greenish white							
1970	10.5	10.5										
105	105											
1980	10.5	10.3										
100	98											
1990	10.5	12.5										
100	100											
2000		1999.5										

Hole# RS-474
 Logged by P. Butterfield
 Date 9-30-99

Area Degerstrom
 Coords _____ N
 _____ E



Az/Incl _____
 Total Depth _____
 Contractor _____

Page 4 of 7

Core Form

Comments

Footage 1991.5	% Rec	RQD 10.0 10.0 10.4 9.6 9.8 9.8 100	Litho	Formation Rhy Pale Green Pale Green	Rock type Color	Au oz/st	Ag oz/st	Graphic	Attitudes	Structure	Fault	Breccia	Vhn	Gouge		Silic	Alteration				Met.	Mineralogy				
			Footage													Silic	Argill	Clay	Prop	Sediment	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite
10.4		10.0 10.4																								
9.6	96	78		Rhy				X																		
9.8		9.8 9.8	2010																							
100																										
10	10	9.9 10	2020																							
100	99		Pale	Green				X																		
10	10	10 10	2030																							
100	100		2030																							
10	10	5.6 10	2040																							
100	56		2040																							
10.2	10.2	8.5 10.2	2050																							
102		8.3																								
10		8.2 10	2060																							
100	82																									
10		8.2 10	2060																							
100	82		2060																							
			2063 ¹																							
			2063 ²																							
			2063 ³																							
			2063 ⁴																							
			2063 ⁵																							
			2063 ⁶																							
			2063 ⁷																							
			2064 ¹																							
			2064 ²																							
			2064 ³																							
			2064 ⁴																							
			2064 ⁵																							
			2064 ⁶																							
			2064 ⁷																							
			2065 ¹																							
			2065 ²																							
			2066 ¹																							
			2066 ²																							
			2067 ¹																							
			2067 ²																							
			2067 ³																							
			2067 ⁴																							
			2067 ⁵																							
			2067 ⁶																							
			2067 ⁷																							
			2067 ⁸																							
			2067 ⁹																							
			2067 ¹⁰																							

Hole# RS-474

Area Degerstrom.

**Newmont
Gold
Company**

Az/Incl _____

Logged by P. Butterfield

Coords N

Total Depth _____

Date 10/11/99

E

Contractor _____

Page

5 of 7

Core Form

Footage 2070.	% Rec	RQD	Litho		Graphic	Attitudes	Structure	Comments				Met.	Mineralogy	
			Formation	Rock type				Au oz/st	Ag oz/st	Fault	Breccia	Vein	Gouge	
2070	9.8 10	9.1 9.9												
2071	98	93	Td	Rhy	2071.8									
2080	10 10	9.7 10	Auto Bxa		1/2 Lt Green			X						
2090	100	97												
2090	9.7 10	9.3 9.7			2090									
2093	97	96			2093.6									
2100	10.5 10.5	10.5 10.5			2100.5									
2100	100	100												
2105	10.8 10.5	10.3 10.3			2105.5									
2110	98	100												
2110	10.9 10.5	10.3 10.3			2110.5									
2120	99	96												
2120	10.2 10.6	10.2 10.2			2121									
2130	97	100												
2130	10.2 10.6	10.2 10.2			2131.5									
2140	97	100												

Hole# 12S-474
Logged by P. Butterfield
Date 10-1-99

Area Degerstrom
Coords _____ N _____ E



Az/Incl

Total Depth Contractor

Page

6 of 7

Core Form

Footage	% Rec	RQD	Formation	Litho	Rock type	Color	Au oz/zt	Ag oz/zt	Graphic	Attitudes	Structure	Fault	Breccha	Vein	Gouge	Comments					Mineralogy				
																Silic	Argillitic	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite
2140																									
2142																									
2142																									
2142	10.6 10.5	3.9 7.6		Td	12phy	Pkg Green			X																
2142																									
2147.9																									
2150																									
2152.9																									
2152.9	10.6 10.5	7.6 10.6																							
2155																									
2157.5																									
2160																									
2163																									
2163	10.5 10.5	9.8 10.5																							
2170																									
2173.5																									
2173.5	9.9 10	4.0 9.9																							
2174.5																									
2179.3																									
2181.1																									
2184.1																									
2194																									
2194	10.4 10.5	9.0 10.4																							
2204.5																									
2204.5	9.8 10.5	9.2 9.5																							
2204.5	9.3	8.3																							

Hole# RS-474

Area Degerstrom

**Newmont
Gold
Company**

Az/Incl _____

Logged by P. Butterfield

Coords N

Total Depth _____

Date 10-1-99

E

Contractor _____

Page

7 of 7

Core Form**Comments**

Footage	% Rec	RQD	Litho		Formation	Rock type	Color	Graphic	Attitudes	Structure			Comments	Alteration						Mineralogy			
			Fault	Breccia						Silic	Argillite	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Cebo/Dolo	Mg Susc.	
2210			9.8 10.5	8.2 9.8																			
			9.3	8.3																			
			10.2 10.8	10.2 10.2	2215																		
2220	97	100																					
			10 10	10 10	2225																		
2230	100	100																					
			7.7 10.5	7.7 7.7	2236																		
2240	73	100																					
			2246.5																				
(1)																							

Hole# RS-474
ged by R. Vance
Date 9/21/99

Area Degerstrom
Coords _____ N
_____ E

**Newmont
Gold
Company**

Az/Incl _____
Total Depth _____
Contractor Boat Longyear

Page
1 of 7

Core Form

Hole# RS-474

Logged by R. Vance

Date 9/22/99

Area Degerstrom

Coords _____ N

**Newmont
Gold
Company**

Az/Ind

Total Depth _____

Contractor _____

Page

Core Form

Hole# RS-474

Logged by P. Butterfield

Date 9-30-99

Area Degerstrom

Coords N

E

**Newmont
Gold
Company**

Core Form

Az/Ind

Total Depth

Contractor

Page

3 of 7

Footage	% Rec	R/RD	Litho			All clast	Ag clast	Graphic	Attitudes	Structure			Comments	Alteration			Met.	Mineralogy						
			Formation	Rock Type	Color					Fault	Breccia	Vein		Silic	Argill	Clay	Prop	Sericite	Chlorite	FEQX	CO3	Sulfide	Pyrite	Marcasite
1960																								
1965	6.7	6.5	1965.5																					
1970	83.7	81	TJ	Rhy	part greenish white																			
			Auto	Brk																				
1975	105	105	105	105	1975.5																			
1980	100	98	100	100	1980.5	Green + off whites																		
1985	100	100	100	100	1985.5																			
1990	100	100	100	100	1990.5																			
1995																								
2000																								

Comments

Dozer Auto br w/ disseminated py in some clasts (~40%). Non discrete zones of silicate dozer rhy. Green clays in matrix + peruvian into clasts (strongest on clast rims)

Caco3 in matrix, minor amount.

Finer rhy + auto br. Slight lessening of clays in alter.

Low % caco3 + py + wh. clay units. 1 unit is ~1/4"

Still low % units of caco3, wh. clay + mln. py. Peruvian green clays, stronger on clast rims.

Hole# RS-4174
ged by P. Butterfield
Date 9-30-99

Area Degerstrom
Coords _____ N

E

**Newmont
Gold
Company**

Az/Incl _____
Total Depth _____
Contractor _____

Page
4 of 7

Core Form

Hole# RS-474
ed by P. Butterfield
Date 10/17/99

Area Degerstrom.
Coords N
E

**Newmont
Gold
Company**

Core Form

Az/Incl _____
Total Depth _____
Contractor _____

Page 5 of 7

Hole# 125-474
 Logged by P. Butterfield
 Date 10-1-99

Area Degerstrom
 Coords N
 E

Newmont
Gold
Company

Az/Incl _____
 Total Depth _____
 Contractor _____

Page
 6 of 7

Core Form

Footage	% Rec	R.D.	Litho	Comments								Silic	Alteration	Met.	Mineralogy			
				Formation	Rock type	Color	Au az/st	Aq az/st	Graphic	Attitudes	Structure	Fault	Breccia	Vein	Gauge			
2140																		
2142																		
2142	3.9	7.6	Td	Rhy	Pale green		X											
2142	10.6	10.5																
2142	7.6	10.6																
2150																		
2152.5																		
2152.5	7.6	10.6																
2152.5	10.6	10.5																
2155																		
2155	5	215.5																
2160																		
2163																		
2163	9.8	21.5																
2163	10.3	10.5																
2170																		
2173.5																		
2173.5	4.0	9.9																
2173.5	10	9.9																
2174.5																		
2174.5																		
2179.3																		
2181.1																		
2184.1																		
2190																		
2194																		
2194	9.6	10.4																
2194	10.5	10.4																
2200																		
2204.5																		
2204.5	9.2	10.2																
2204.5	10.5	9.2																
2204.5	9.3	8.3																
2210																		
2210	93	83																

Hole# RS-474
Logged by P. Butterfield
Date 10-1-99

Area Degerstrom
Coords N
E



Az/Incl _____
Total Depth _____
Contractor _____

Page
7 of 7

Core Form

Frogtage	% Rec	RQD	Litho		All czt/ct	Ag czt/ct	Graphic	Altitudes	Structure			Comments	Alteration			Met.	Mineralogy			Mag Spec			
			Formation	Rock type					Brackets	Fault	Breccia		Sericic	Argillite	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrile	Marcasite
2210	9.8 10.5	8.2 9.8																					
	93	83																					
	10.2 10.8	10.2 10.2			2215																		
2220	97	100																					
	10 10	10 10			2225f																		
2230	100	100																					
	7.7 10.5	7.7 7.7			2236																		
2240	73	103																					
(1)					2246.5																		



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: (775) 828-1158

11-Oct-99

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Page: 1
Copy: 1 of 2
Set : 1

Attn: Randy Vance
Project: RS-474 1850-1855

Received: 27-Sep-99 11:05

PO #:

Job: 993537R

Status: Final

Reject

Sample Id	Au FA oz/ton
RS-474 1850-1855	0.130

*Check from original coarse reject,
using coarse gold prep.*



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11-Oct-99

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Page: 2
Copy: 1 of 2
Set : 2

Attn: Randy Vance
Project: RS-474 1850-1855

PO #:

Received: 27-Sep-99 11:05

Job: 993537R

Status: Final

Abbreviations:

Parameters:

Au : Gold

Methods:

FA : Fire Assay/Gravimetric Finish

Units:

oz/ton : ounces per ton



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11-Oct-99

CHARLOTTE BALLEW
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Page: 3
Copy: 1 of 2

Attn: Randy Vance
Project: RS-474 1850-1855

Received: 27-Sep-99 11:05

PO #:

Job: 993537R

Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed: 
Rich Grondin



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INVOICE

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Date : 11-Oct-99

Authority: Randy Vance
Project: RS-474 1850-1855

Job : 993537R

Terms:

Invoice: 41031R

PO #:

Preparation Charges:

1 Reject	2.00	\$ 2.00
----------	------	---------

Analyses:

1 Au FA	8.50	\$ 8.50
---------	------	---------

Sub Total: 8.50
Discount: -30.00
\$ -3.15

TOTAL DUE: \$ 7.35

COPY

Remit to: Barringer Laboratories, Inc.
Department 0297
Denver, CO 80291-0297

--- Remittance Copy ---



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CHARLOTTE BALLEW
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29-Sep-99

Page: 1
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA oz/ton
RS-474 1859.7-1862	578	0.017
RS-474 1862-1864	317	0.009
RS-474 1864-1866.5	851	0.025
RS-474 1866.5-1870	96	0.003
RS-474 1870-1875.5	46	0.001
RS-474 1875.5-1880	44	0.001

Pulp

STD 1880 "B" 1288 0.038

Rock

RS-474 1880-1883.6	58	0.002
RS-474 1883.6-1887	59	0.002
RS-474 1887-1889	240	0.007
RS-474 1889-1891.5	89	0.003
RS-474 1891.5-1894.5	66	0.002
RS-474 1894.5-1899	39	0.001
RS-474 1899-1904	10	0.000
RS-474 1930.5-1934.8	12	0.000
RS-474 1934.8-1936.5	47	0.001
RS-474 1936.5-1938.5	48	0.001
RS-474 1938.5-1942.2	23	0.001
RS-474 1942.2-1943.8	17	0.000
RS-474 1943.8-1946.6	23	0.001
RS-474 1946.6-1950	147	0.004

Pulp

STD 1950 "B" 148 0.004



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29-Sep-99

Page: 2
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA oz/ton
RS-474 1950-1952	57	0.002
RS-474 1952-1955	46	0.001
RS-474 1955-1959	6	0.000



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29-Sep-99

Page: 3
Copy: 1 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Abbreviations:

Parameters:

Au : Gold

Methods:

FA/AA : Fire Assay/Atomic Absorption Finish
FA : Fire Assay/Gravimetric Finish

Units:

ppb : Parts per billion
oz/ton : ounces per ton



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29-Sep-99

Page: 4
Copy: 1 of 3

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:

A handwritten signature in blue ink that reads "Richard A. Grondin". Below the signature, the name "Rich Grondin" is printed in a smaller, sans-serif font.

cc: RANDY VANCE, NEWMONT MINING CORP.



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INVOICE

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Date : 29-Sep-99

Authority: Randy Vance
Project: RS-474

Job : 993518R

Terms:

Invoice: 40918R

PO #:

Preparation Charges:

25 Dcore 11-15 Lbs	4.25	\$ 106.25
--------------------	------	-----------

Analyses:

25 Au FA/AA	7.50	\$ 187.50
-------------	------	-----------

Sub Total: \$ 293.75
Discount: -30.00 \$ -88.13

TOTAL DUE: \$ 205.63

COPY

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Department 0297
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I N V O I C E

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Date : 14-Sep-99

Job : 993209R

Authority: Randy Vance
Project: RS-474

Invoice: 40807R

PO #: .
Terms:

Preparation Charges:

200 Rock 11-15 Lbs	4.25	\$ 850.00
200 Composite - ICP Pkg.	1.00	\$ 200.00

Analyses:

200 Au FA/AA	7.50	\$1500.00
50 30 Element ICP Pkg.	7.45	\$ 372.50

Sub Total:		\$2922.50
Discount:	-30.00	\$-876.75

TOTAL DUE:		\$2045.75
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14-Sep-99

Page: 1
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1005	7	0.000
RS-474 1010	13	0.000
RS-474 1015	20	0.001
RS-474 1020	10	0.000
RS-474 1025	<2	0.000
RS-474 1030	11	0.000
RS-474 1035	<2	0.000
RS-474 1040	14	0.000
RS-474 1045	8	0.000
RS-474 1050	3	0.000
RS-474 1055	4	0.000
RS-474 1060	3	0.000
RS-474 1065	5	0.000
RS-474 1070	2	0.000
RS-474 1075	2	0.000
RS-474 1080	<2	0.000
RS-474 1085	13	0.000
RS-474 1090	19	0.001
RS-474 1095	4	0.000
RS-474 1100	24	0.001



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Page: 2
Copy: 1 of 3
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Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1105	4	0.000
RS-474 1110	8	0.000
RS-474 1115	3	0.000
RS-474 1120	4	0.000
RS-474 1125	5	0.000
RS-474 1130	4	0.000
RS-474 1135	7	0.000
RS-474 1140	5	0.000
RS-474 1145	3	0.000
RS-474 1150	10	0.000
RS-474 1155	4	0.000
RS-474 1160	<2	0.000
RS-474 1165	2	0.000
RS-474 1170	6	0.000
RS-474 1175	4	0.000
RS-474 1180	5	0.000
RS-474 1185	<2	0.000
RS-474 1190	<2	0.000
RS-474 1195	19	0.001
RS-474 1200	<2	0.000



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Page: 3
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

<u>Sample Id</u>	Au FA/AA ppb	Au FA/AA oz/ton
STD #1200.0B	105	0.003
RS-474 1205	<2	0.000
RS-474 1210	2	0.000
RS-474 1215	<2	0.000
RS-474 1220	15	0.000
RS-474 1225	9	0.000
RS-474 1230	11	0.000
RS-474 1235	5	0.000
RS-474 1240	3	0.000
RS-474 1245	17	0.000
RS-474 1250	5	0.000
RS-474 1255	8	0.000
RS-474 1260	17	0.000
RS-474 1265	17	0.000
RS-474 1270	3	0.000
RS-474 1275	2	0.000
RS-474 1280	3	0.000
RS-474 1285	8	0.000
RS-474 1290	10	0.000
RS-474 1295	6	0.000



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Page: 4
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1300	5	0.000
RS-474 1305	8	0.000
RS-474 1310	2	0.000
RS-474 1315	8	0.000
RS-474 1320	<2	0.000
RS-474 1325	2	0.000
RS-474 1330	<2	0.000
RS-474 1335	4	0.000
RS-474 1340	2	0.000
RS-474 1345	9	0.000
RS-474 1350	8	0.000
RS-474 1355	3	0.000
RS-474 1360	3	0.000
RS-474 1365	3	0.000
RS-474 1370	<2	0.000
RS-474 1375	<2	0.000
RS-474 1380	<2	0.000
RS-474 1385	2	0.000
RS-474 1390	6	0.000
RS-474 1395	4	0.000



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14-Sep-99

Page: 5
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1400	3	0.000
RS-474 1405	16	0.000
RS-474 1410	<2	0.000
RS-474 1415	3	0.000
RS-474 1420	2	0.000
RS-474 1425	6	0.000
RS-474 1430	5	0.000
RS-474 1435	<2	0.000
RS-474 1440	4	0.000
RS-474 1445	5	0.000
RS-474 1450	8	0.000
RS-474 1455	5	0.000
RS-474 1460	2	0.000
RS-474 1465	6	0.000
RS-474 1470	9	0.000
RS-474 1475	<2	0.000
RS-474 1480	2	0.000
RS-474 1485	6	0.000
RS-474 1490	15	0.000
RS-474 1495	2	0.000



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14-Sep-99

Page: 6
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1500	<2	0.000
RS-474 1505	21	0.001
RS-474 1510	36	0.001
RS-474 1515	9	0.000
RS-474 1520	11	0.000
RS-474 1525	3	0.000
RS-474 1530	<2	0.000
RS-474 1535	2	0.000
RS-474 1540	4	0.000
RS-474 1545	23	0.001
RS-474 1550	13	0.000
RS-474 1555	12	0.000
RS-474 1560	7	0.000
RS-474 1565	4	0.000
RS-474 1570	5	0.000
RS-474 1575	19	0.001
RS-474 1580	6	0.000
RS-474 1585	7	0.000
RS-474 1590	9	0.000
RS-474 1595	<2	0.000



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14-Sep-99

Page: 7
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project:

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1600	12	0.000
STD #1600.0B	936	0.027
RS-474 1605	28	0.001
RS-474 1610	7	0.000
RS-474 1615	4	0.000
RS-474 1620	5	0.000
RS-474 1625	3	0.000
RS-474 1630	<2	0.000
RS-474 1635	<2	0.000
RS-474 1640	8	0.000
RS-474 1645	42	0.001
RS-474 1650	76	0.002
RS-474 1655	20	0.001
RS-474 1660	10	0.000
RS-474 1665	20	0.001
RS-474 1670	3	0.000
RS-474 1675	16	0.000
RS-474 1680	14	0.000
RS-474 1685	65	0.002
RS-474 1690	67	0.002



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14-Sep-99

Page: 8
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1695	24	0.001
RS-474 1700	6	0.000
RS-474 1705	80	0.002
RS-474 1710	25	0.001
RS-474 1715	60	0.002
RS-474 1720	17	0.000
RS-474 1725	42	0.001
RS-474 1730	65	0.002
RS-474 1735	55	0.002
RS-474 1740	30	0.001
RS-474 1745	6	0.000
RS-474 1750	7	0.000
RS-474 1755	10	0.000
RS-474 1760	10	0.000
RS-474 1765	45	0.001
RS-474 1770	41	0.001
RS-474 1775	27	0.001
RS-474 1780	33	0.001
RS-474 1785	20	0.001
RS-474 1790	13	0.000



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14-Sep-99

Page: 9
Copy: 1 of 3
Set : 1

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1795	19	0.001
RS-474 1800	16	0.000
RS-474 1805	35	0.001
RS-474 1810	13	0.000
RS-474 1815	13	0.000
RS-474 1820	10	0.000
RS-474 1825	10	0.000
RS-474 1830	16	0.000
RS-474 1835	28	0.001
RS-474 1840	18	0.001
RS-474 1845	68	0.002
RS-474 1850	44	0.001
RS-474 1855	7103	0.207
RS-474 1860	72	0.002



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14-Sep-99

Page: 10
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
Project:

PO #:

Received: 16-Aug-99 12:24

Status: Final

Job: 993208R

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 1000-1020	<0.1	0.32	<2	27	95	3	1.00	0.7	<1	10	61
RS-474 1020-1040	<0.1	0.36	<2	25	67	5	1.25	0.9	<1	12	90
RS-474 1040-1060	<0.1	0.35	<2	25	76	6	1.25	1.0	<1	7	38
RS-474 1060-1080	<0.1	0.31	<2	19	92	3	1.12	0.7	<1	6	27
RS-474 1080-1100	<0.1	0.39	<2	21	148	7	0.99	0.8	<1	11	60
RS-474 1100-1120	0.5	0.40	<2	23	143	3	1.08	1.7	1	28	8
RS-474 1120-1140	<0.1	0.35	<2	24	107	5	0.60	1.3	1	40	2
RS-474 1140-1160	<0.1	0.44	<2	23	134	2	1.07	1.2	1	23	2
RS-474 1160-1180	<0.1	0.68	<2	22	262	5	1.00	1.6	1	21	3
RS-474 1180-1200	0.1	0.98	<2	28	290	5	1.61	1.3	1	21	2
RS-474 1200-1220	0.4	0.60	<2	21	255	7	1.34	1.5	1	26	4
RS-474 1220-1240	0.2	0.56	<2	15	214	6	1.53	1.4	<1	15	5
RS-474 1240-1260	0.3	0.78	<2	11	191	4	2.16	0.9	<1	6	3
RS-474 1260-1280	0.4	0.53	<2	11	901	8	2.93	1.3	<1	6	4
RS-474 1280-1300	0.1	0.58	<2	22	432	4	1.97	1.5	<1	10	4
RS-474 1300-1320	0.2	0.91	<2	21	363	4	1.88	1.5	<1	20	4
RS-474 1320-1340	<0.1	0.78	3	23	250	3	1.55	2.2	<1	24	4
RS-474 1340-1360	0.2	0.80	<2	13	928	4	1.98	1.6	<1	5	4
RS-474 1360-1380	0.3	0.90	<2	16	636	8	2.19	1.8	<1	8	5
RS-474 1380-1400	<0.1	0.46	<2	22	382	3	1.13	2.5	<1	17	3



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14-Sep-99

Page: 11
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 1400-1420	0.1	0.37	<2	25	120	4	1.10	1.7	<1	15	89
RS-474 1420-1440	<0.1	0.34	<2	25	80	5	1.06	1.5	<1	13	81
RS-474 1440-1460	<0.1	0.29	<2	20	102	5	0.87	0.9	<1	11	68
RS-474 1460-1480	<0.1	0.29	<2	21	199	5	0.95	0.9	<1	9	44
RS-474 1480-1500	<0.1	0.62	<2	21	157	<1	0.98	1.0	1	39	6
RS-474 1500-1520	0.3	0.44	<2	25	113	7	0.99	1.3	<1	26	33
RS-474 1520-1540	0.2	0.55	<2	17	259	4	1.67	1.6	<1	18	15
RS-474 1540-1560	<0.1	0.60	<2	18	309	7	1.09	0.9	<1	13	10
RS-474 1560-1580	0.1	0.69	<2	19	175	<1	1.25	1.0	3	17	3
RS-474 1580-1600	<0.1	0.47	<2	17	133	4	1.08	0.7	<1	17	3
RS-474 1600-1620	0.1	0.49	<2	16	175	6	1.54	1.1	1	16	2
RS-474 1620-1640	0.2	0.70	<2	18	162	2	1.51	1.2	1	7	5
RS-474 1640-1660	0.2	0.92	<2	23	66	7	0.54	1.2	<1	3	14
RS-474 1660-1680	<0.1	0.77	<2	22	64	4	0.73	1.1	<1	3	13
RS-474 1680-1700	0.5	0.40	3	27	87	2	0.78	1.5	<1	4	21
RS-474 1700-1720	0.7	0.38	8	16	78	5	0.70	0.9	<1	12	15
RS-474 1720-1740	<0.1	0.51	<2	22	78	3	0.74	1.0	1	58	5
RS-474 1740-1760	0.2	0.97	<2	19	129	7	2.02	0.9	<1	15	19
RS-474 1760-1780	0.3	0.87	8	23	148	6	0.80	0.8	1	42	6
RS-474 1780-1800	<0.1	0.91	<2	22	73	8	0.97	0.9	1	21	5



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Page: 12
Copy: 1 of 3
Set : 2

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Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 1800-1820	0.1	1.12	<2	27	138	8	1.25	0.7	1	24	6
RS-474 1820-1840	0.3	0.89	6	27	69	5	1.33	1.3	2	29	3
RS-474 1840-1860	1.0	0.83	86	24	101	6	0.62	0.9	<1	32	4



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Page: 13
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
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Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 1000-1020	1.71	34	0.31	17	0.03	281	1	<0.01	1	141	37
RS-474 1020-1040	2.00	47	0.35	18	0.04	374	<1	0.01	1	140	43
RS-474 1040-1060	1.96	75	0.31	18	0.05	329	<1	<0.01	0	200	29
RS-474 1060-1080	1.48	103	0.30	18	0.04	369	1	<0.01	1	164	24
RS-474 1080-1100	1.79	144	0.35	19	0.05	392	1	<0.01	1	187	34
RS-474 1100-1120	1.89	132	0.34	18	0.05	553	1	<0.01	2	183	22
RS-474 1120-1140	1.86	22	0.36	19	0.04	341	1	<0.01	2	185	18
RS-474 1140-1160	1.93	50	0.40	21	0.05	468	1	<0.01	2	262	21
RS-474 1160-1180	1.77	200	0.49	20	0.09	407	1	<0.01	1	241	21
RS-474 1180-1200	2.01	41	0.64	19	0.10	743	<1	<0.01	1	380	22
RS-474 1200-1220	1.66	157	0.63	28	0.06	767	1	<0.01	2	158	31
RS-474 1220-1240	1.16	276	0.70	28	0.04	648	1	<0.01	1	184	32
RS-474 1240-1260	0.77	94	0.97	29	0.04	699	<1	<0.01	1	185	30
RS-474 1260-1280	0.85	97	0.75	33	0.04	942	<1	0.01	2	304	29
RS-474 1280-1300	1.84	135	0.67	28	0.04	672	<1	<0.01	1	240	32
RS-474 1300-1320	1.75	106	0.96	30	0.07	609	<1	<0.01	2	317	40
RS-474 1320-1340	2.03	103	0.74	27	0.07	514	1	<0.01	3	266	40
RS-474 1340-1360	1.09	34	0.58	28	0.07	658	<1	0.88	2	311	25
RS-474 1360-1380	1.28	47	0.67	30	0.09	806	<1	0.54	2	295	27
RS-474 1380-1400	1.85	41	0.57	26	0.04	448	1	<0.01	1	253	24



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Page: 14
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
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Received: 16-Aug-99 12:24

Job: 993208R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 1400-1420	2.14	56	0.47	23	0.03	642	<1	0.01	1	248	47
RS-474 1420-1440	2.09	25	0.47	22	0.03	610	<1	0.02	1	240	43
RS-474 1440-1460	1.67	100	0.46	23	0.02	442	<1	0.01	1	221	37
RS-474 1460-1480	1.66	56	0.45	22	0.03	379	<1	0.02	1	223	31
RS-474 1480-1500	1.69	72	0.65	23	0.04	518	<1	<0.01	2	207	24
RS-474 1500-1520	2.09	53	0.51	20	0.03	557	1	<0.01	1	191	33
RS-474 1520-1540	1.46	53	0.50	23	0.05	500	2	0.21	2	243	25
RS-474 1540-1560	1.21	41	0.55	24	0.06	404	1	0.27	1	221	20
RS-474 1560-1580	1.57	53	0.52	22	0.17	684	<1	<0.01	2	269	17
RS-474 1580-1600	1.30	66	0.50	22	0.05	356	<1	<0.01	1	294	19
RS-474 1600-1620	1.31	60	0.53	22	0.07	491	1	<0.01	1	294	22
RS-474 1620-1640	1.38	78	0.61	20	0.11	526	<1	<0.01	1	271	20
RS-474 1640-1660	1.92	78	0.84	20	0.03	290	<1	<0.01	1	153	31
RS-474 1660-1680	1.85	63	0.79	19	0.03	383	<1	<0.01	1	154	37
RS-474 1680-1700	2.38	150	0.64	14	0.01	291	<1	<0.01	1	162	35
RS-474 1700-1720	1.32	132	0.60	23	0.01	341	1	<0.01	1	172	34
RS-474 1720-1740	1.79	122	0.61	20	0.03	266	1	<0.01	2	190	30
RS-474 1740-1760	1.56	28	0.87	20	0.11	705	<1	<0.01	1	288	24
RS-474 1760-1780	1.92	66	0.73	22	0.08	406	1	<0.01	3	321	33
RS-474 1780-1800	1.81	50	0.71	26	0.12	596	<1	<0.01	1	355	26



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Page: 15
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 1800-1820	2.11	38	0.86	26	0.13	810	<1	<0.01	1	341	33
RS-474 1820-1840	2.03	47	0.68	20	0.10	616	<1	<0.01	1	339	22
RS-474 1840-1860	1.96	34	0.70	18	0.06	297	<1	<0.01	1	276	23



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14-Sep-99

Page: 16
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 1000-1020	4	<0.5	55	0.02	<0.5	4	<1	37
RS-474 1020-1040	2	<0.5	74	0.02	<0.5	4	<1	32
RS-474 1040-1060	<2	<0.5	90	0.02	<0.5	6	<1	36
RS-474 1060-1080	2	<0.5	71	0.01	<0.5	4	<1	38
RS-474 1080-1100	<2	<0.5	67	0.02	<0.5	5	<1	54
RS-474 1100-1120	<2	<0.5	73	0.02	<0.5	5	<1	85
RS-474 1120-1140	<2	<0.5	56	0.03	<0.5	5	<1	72
RS-474 1140-1160	<2	<0.5	104	0.02	<0.5	10	<1	71
RS-474 1160-1180	<2	<0.5	116	0.01	<0.5	7	<1	94
RS-474 1180-1200	<2	<0.5	132	0.03	<0.5	12	<1	75
RS-474 1200-1220	<2	<0.5	129	0.01	<0.5	4	<1	96
RS-474 1220-1240	<2	<0.5	119	<0.01	<0.5	2	<1	65
RS-474 1240-1260	<2	<0.5	147	<0.01	<0.5	2	<1	47
RS-474 1260-1280	<2	<0.5	218	<0.01	<0.5	2	<1	45
RS-474 1280-1300	2	<0.5	157	0.01	<0.5	4	<1	81
RS-474 1300-1320	<2	<0.5	173	0.01	<0.5	5	<1	95
RS-474 1320-1340	<2	<0.5	189	0.02	<0.5	7	<1	94
RS-474 1340-1360	2	<0.5	637	0.01	<0.5	4	<1	56
RS-474 1360-1380	<2	<0.5	469	0.01	<0.5	4	<1	65
RS-474 1380-1400	<2	<0.5	129	0.02	<0.5	7	<1	77



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Page: 17
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew
Project:

Received: 16-Aug-99 12:24

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 1400-1420	<2	<0.5	105	0.02	<0.5	4	<1	35
RS-474 1420-1440	<2	<0.5	100	0.02	<0.5	4	<1	32
RS-474 1440-1460	2	<0.5	99	0.01	<0.5	2	<1	33
RS-474 1460-1480	2	<0.5	108	0.02	<0.5	3	<1	27
RS-474 1480-1500	<2	<0.5	95	0.01	<0.5	4	<1	49
RS-474 1500-1520	4	<0.5	92	0.01	<0.5	3	<1	56
RS-474 1520-1540	<2	<0.5	219	0.01	<0.5	4	<1	70
RS-474 1540-1560	<2	<0.5	302	0.01	<0.5	4	<1	62
RS-474 1560-1580	<2	<0.5	174	0.01	<0.5	6	<1	72
RS-474 1580-1600	<2	<0.5	216	0.01	<0.5	5	<1	39
RS-474 1600-1620	<2	<0.5	253	0.01	<0.5	4	<1	39
RS-474 1620-1640	<2	<0.5	172	<0.01	<0.5	3	<1	53
RS-474 1640-1660	5	<0.5	58	<0.01	<0.5	2	<1	106
RS-474 1660-1680	8	<0.5	69	<0.01	<0.5	2	<1	91
RS-474 1680-1700	11	<0.5	55	<0.01	<0.5	<2	<1	82
RS-474 1700-1720	10	<0.5	56	<0.01	<0.5	<2	<1	90
RS-474 1720-1740	6	<0.5	79	<0.01	<0.5	2	<1	81
RS-474 1740-1760	<2	<0.5	164	<0.01	<0.5	4	<1	52
RS-474 1760-1780	3	<0.5	103	<0.01	<0.5	3	<1	75
RS-474 1780-1800	4	<0.5	97	<0.01	<0.5	2	<1	74



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Page: 18
Copy: 1 of 3
Set : 2

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project:

PO #:

Job: 993208R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 1800-1820	<2	<0.5	122	<0.01	<0.5	4	<1	77
RS-474 1820-1840	<2	<0.5	147	<0.01	<0.5	3	<1	74
RS-474 1840-1860	2	<0.5	93	<0.01	<0.5	<2	<1	68



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14-Sep-99

Page: 19
Copy: 1 of 3
Set : 3

Attn: Charlotte Ballew

Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Abbreviations:

Parameters:

Au	:	Gold
Ag	:	Silver
Al	:	Aluminum
As	:	Arsenic
B	:	Boron
Ba	:	Barium
Bi	:	Bismuth
Ca	:	Calcium
Cd	:	Cadmium
Co	:	Cobalt
Cr	:	Chromium
Cu	:	Copper
Fe	:	Iron
Hg	:	Mercury
K	:	Potassium
La	:	Lanthanum
Mg	:	Magnesium
Mn	:	Manganese
Mo	:	Molybdenum
Na	:	Sodium
Ni	:	Nickel
P	:	Phosphorus
Pb	:	Lead



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14-Sep-99

Page: 20
Copy: 1 of 3
Set : 3

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Received: 16-Aug-99 12:24

Project: PO #:

Job: 993208R

Status: Final

Sb	:	Antimony
Se	:	Selenium
Sr	:	Strontium
Ti	:	Titanium
Tl	:	Thallium
V	:	Vanadium
W	:	Tungsten
Zn	:	Zinc

Methods:

FA/AA	:	Fire Assay/Atomic Absorption Finish
ICP	:	Inductively Coupled Plasma

Units:

ppb	:	Parts per billion
oz/ton	:	ounces per ton
ppm	:	Parts per million
%	:	percent

Quality codes:

<	:	Less than
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Page: 21
Copy: 1 of 3

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The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:

Chuck Whipple
Richard Grondin

cc: RANDY VANCE, NEWMONT MINING CORP.



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: (775) 828-1158

INVOICE

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Authority: Charlotte Ballew
Project:

Date : 14-Sep-99

Job : 993208R

Invoice: 40806R

PO #: .

Terms: .

Preparation Charges:

174 Rock 11-15 Lbs	4.25	\$ 739.50
--------------------	------	-----------

Analyses:

174 Au FA/AA	7.50	\$1305.00
43 30 Element ICP Pkg.	7.45	\$ 320.35

Sub Total:	\$2364.85
Discount:	\$-709.46

TOTAL DUE:	\$1655.40
------------	-----------

Remit to: Barringer Laboratories, Inc.
Department 0297
Denver, CO 80291-0297

--- Remittance Copy ---



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CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

29-Sep-99

Page: 1
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA oz/ton
RS-474 1859.7-1862	578	0.017
RS-474 1862-1864	317	0.009
RS-474 1864-1866.5	851	0.025
RS-474 1866.5-1870	96	0.003
RS-474 1870-1875.5	46	0.001
RS-474 1875.5-1880	44	0.001

Pulp

STD 1880 "B"	1288	0.038
--------------	------	-------

Rock

RS-474 1880-1883.6	58	0.002
RS-474 1883.6-1887	59	0.002
RS-474 1887-1889	240	0.007
RS-474 1889-1891.5	89	0.003
RS-474 1891.5-1894.5	66	0.002
RS-474 1894.5-1899	39	0.001
RS-474 1899-1904	10	0.000
RS-474 1930.5-1934.8	12	0.000
RS-474 1934.8-1936.5	47	0.001
RS-474 1936.5-1938.5	48	0.001
RS-474 1938.5-1942.2	23	0.001
RS-474 1942.2-1943.8	17	0.000
RS-474 1943.8-1946.6	23	0.001
RS-474 1946.6-1950	147	0.004

Pulp

STD 1950 "B"	148	0.004
--------------	-----	-------



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29-Sep-99

Page: 2
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA oz/ton
RS-474 1950-1952	57	0.002
RS-474 1952-1955	46	0.001
RS-474 1955-1959	6	0.000



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29-Sep-99

Page: 3
Copy: 1 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 24-Sep-99 00:30

PO #:

Job: 993518R

Status: Final

Abbreviations:

Parameters:

Au : Gold

Methods:

FA/AA : Fire Assay/Atomic Absorption Finish
FA : Fire Assay/Gravimetric Finish

Units:

ppb : Parts per billion
oz/ton : ounces per ton



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CHARLOTTE BALLEW
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Attn: Randy Vance
Project: RS-474

29-Sep-99

Page: 4
Copy: 1 of 3

PO #:

Received: 24-Sep-99 00:30

Job: 993518R

Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:


.....
Rich Grondin

cc: RANDY VANCE, NEWMONT MINING CORP.



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PHONE: (775) 828-1158

I N V O I C E

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Date : 29-Sep-99

Job : 993518R

Invoice: 40918R

Authority: Randy Vance
Project: RS-474

Terms:

PO #:

Preparation Charges:

25 Dcore 11-15 Lbs	4.25	\$ 106.25
--------------------	------	-----------

Analyses:

25 Au FA/AA	7.50	\$ 187.50
-------------	------	-----------

Sub Total: \$ 293.75
Discount: -30.00 \$ -88.13

TOTAL DUE: \$ 205.63

COPY

Remit to: Barringer Laboratories, Inc.
Department 0297
Denver, CO 80291-0297

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PHONE: (775) 828-1158

19-Oct-99

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Page: 1
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474 Composites

PO #:

Received: 12-Oct-99 10:04

Job: 993635R

Status: Final

Pulp

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm
RS-474 1859.9-1870	4.1	0.90	476	43	63	<1	1.24	1.2	1	17
RS-474 1870-1887	1.5	0.54	47	18	40	<1	0.85	0.7	3	6
RS-474 1887-1904	0.4	0.44	50	27	43	<1	0.50	0.9	3	4
RS-474 1904-1930.5	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
RS-474 1930.5-1946.6	0.2	0.47	44	28	65	1	0.86	0.8	3	12
RS-474 1946.6-1959	0.3	0.69	55	16	24	<1	0.66	0.7	1	105

Sample Id	Cu ICP ppm	Fe ICP %	Hg HYG ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm
RS-474 1859.9-1870	18	4.44	24	0.57	9	0.07	468	4	2.29	4
RS-474 1870-1887	18	1.65	27	0.48	30	0.06	269	2	1.40	8
RS-474 1887-1904	14	2.58	107	0.37	17	0.04	225	2	1.74	9
RS-474 1904-1930.5	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
RS-474 1930.5-1946.6	15	2.80	65	0.39	17	0.03	465	<1	1.25	10
RS-474 1946.6-1959	8	1.41	72	0.44	9	0.02	231	3	0.18	5



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19-Oct-99

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Page: 2
Copy: 1 of 3
Set : 1

Attn: Randy Vance
Project: RS-474 Composites'

PO #:

Received: 12-Oct-99 10:04

Job: 993635R

Status: Final

Pulp

Sample Id	P ICP ppm	Pb ICP ppm	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 1859.9-1870	295	38	2	4.0	235	<0.01	<0.5	<2	<1	105
RS-474 1870-1887	245	28	<2	<0.5	181	<0.01	<0.5	3	<1	69
RS-474 1887-1904	178	27	<2	<0.5	136	<0.01	<0.5	2	<1	70
RS-474 1904-1930.5	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
RS-474 1930.5-1946.6	197	28	<2	<0.5	157	<0.01	<0.5	3	<1	64
RS-474 1946.6-1959	41	20	2	<0.5	136	<0.01	<0.5	<2	<1	33

19-Oct-99

CHARLOTTE BALLEW
NEWMONT GOLD CO.
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Page: 3
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Set : 2

Attn: Randy Vance
Project: RS-474 Composites

Received: 12-Oct-99 10:04

PO #:

Job: 993635R

Status: Final

Abbreviations:

Parameters:

Ag	:	Silver
Al	:	Aluminum
As	:	Arsenic
B	:	Boron
Ba	:	Barium
Bi	:	Bismuth
Ca	:	Calcium
Cd	:	Cadmium
Co	:	Cobalt
Cr	:	Chromium
Cu	:	Copper
Fe	:	Iron
Hg	:	Mercury
K	:	Potassium
La	:	Lanthanum
Mg	:	Magnesium
Mn	:	Manganese
Mo	:	Molybdenum
Na	:	Sodium
Ni	:	Nickel
P	:	Phosphorus
Pb	:	Lead
Sb	:	Antimony



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19-Oct-99

Page: 4
Copy: 1 of 3
Set : 2

Attn: Randy Vance Received: 12-Oct-99 10:04
Project: RS-474 Composites PO #:

Job: 993635R

Status: Final

Se : Selenium
Sr : Strontium
Ti : Titanium
Tl : Thallium
V : Vanadium
W : Tungsten
Zn : Zinc

Methods:

ICP : Inductively Coupled Plasma
HYG : Hydride Generation

Units:

ppm : Parts per million
% : percent
ppb : Parts per billion

Quality codes:

< : Less than
MS : Missing



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19-Oct-99

Page: 5
Copy: 1 of 3

Attn: Randy Vance Received: 12-Oct-99 10:04
Project: RS-474 Composites PO #:

Job: 993635R Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:

.....
Dave Francisco
Laboratory Manager

cc: RANDY VANCE, NEWMONT MINING CORP.



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PHONE: (775) 828-1158

INVOICE

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

Date : 19-Oct-99

Authority: Randy Vance *OK*
Project: RS-474 Composites

Job : 993635R

PO #:
Terms:

Invoice: 41079R

Preparation Charges:

5 Pulp

Analyses:

5 30 Element ICP Pkg.
5 Hg HYG

7.45	\$	37.25
4.00	\$	20.00

Sub Total: \$ 57.25
Discount: -30.00 \$ -17.18
TOTAL DUE: \$ 40.08

COPY

Remit to: Barringer Laboratories, Inc.
Department 0297
Denver, CO 80291-0297

--- Remittance Copy ---

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

INSPECTORATE AMERICA CORPORATION

840 Greg Street

Sparks, Nevada 89431

Tel: 775-359-6311

Fax: 775-359-2944

3-Nov-99

Page: 1
Copy: 1 of 3
Set : 1

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

PO #:

Received: 14-Oct-99 10:31

Job: 993643R

Status: Final

Drill Core

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 1904-1909	14	0.000
RS-474 1909-1914	11	0.000
RS-474 1914-1919	12	0.000
RS-474 1919-1924	<2	0.000
RS-474 1924-1930.5	9	0.000
RS-474 2030-2033.9	15	0.000
RS-474 2033.9-2036.1	14	0.000
RS-474 2036.1-2040	24	0.001
RS-474 2040-2041.5	17	0.000
RS-474 2041.5-2046	12	0.000
RS-474 2046-2050.1	14	0.000
RS-474 2050.1-2054.8	18	0.001
RS-474 2054.8-2062.2	27	0.001
RS-474 2062.2-2063.6	150	0.004
RS-474 2063.6-2064.9	26	0.001
RS-474 2064.9-2066.4	257	0.008
RS-474 2066.4-2071.8	38	0.001
STD 2071.8 "B"	597	0.017
RS-474 2090-2093.6	14	0.000
RS-474 2147.9-2152.5	26	0.001



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3-Nov-99

Page: 2
Copy: 1 of 3
Set : 1

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

Received: 14-Oct-99 10:31

PO #:

Job: 993643RStatus: Final

Drill Core

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 2174.5-2179.3	14	0.000
RS-474 2179.3-2181.1	97	0.003
RS-474 2181.1-2184.1	24	0.001



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3-Nov-99

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Page: 3
Copy: 1 of 3
Set : 2

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

PO #:

Job: 993643R

Status: Final

Drill Core

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm
RS-474 1904-1930.5	0.5	0.00	37	40	38	9	3.52	<0.5	4	25
RS-474 2030-2046	0.3	0.25	23	29	23	6	1.48	<0.5	1	24
RS-474 2046-2062.2	0.2	0.19	13	24	16	6	2.39	<0.5	1	26
RS-474 2062.2-2071.8	0.9	0.22	30	66	25	16	1.60	0.9	<1	27
RS-474 2090-2152.5	0.8	0.21	16	35	8	9	6.26	<0.5	<1	18
RS-474 2174.5-2184.1	<0.1	0.23	16	27	26	6	1.18	<0.5	<1	14

Sample Id	Cu ICP ppm	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm
RS-474 1904-1930.5	14	3.65	57	0.63	28	0.11	540	<1	0.91	20
RS-474 2030-2046	5	2.42	118	0.57	25	0.02	317	<1	1.02	4
RS-474 2046-2062.2	3	1.96	75	0.55	22	0.01	369	<1	0.73	3
RS-474 2062.2-2071.8	6	5.36	100	0.53	10	0.01	282	<1	0.96	3
RS-474 2090-2152.5	3	2.97	65	0.53	15	0.01	1019	<1	0.76	2
RS-474 2174.5-2184.1	2	2.23	125	0.67	31	0.01	149	<1	0.82	1



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INSPECTORATE AMERICA CORPORATION

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Tel: 775-359-6311

Fax: 775-359-2944

3-Nov-99

CHARLOTTE BALLEW
 NEWMONT GOLD CO.
 861 W. 6TH STREET
 WINNEMUCCA NV 89445

Page: 4
 Copy: 1 of 3
 Set : 2

Certificate of Analysis

Attn: Randy Vance
 Project: RS-474 1904-2184.1

Received: 14-Oct-99 10:31
 PO #:

Job: 993643R

Status: Final

Sample Id	P	Pb	Sb	Se ICP ppm	Sr	Ti	Tl	V	W	Zn
	ICP ppm	ICP ppm	ICP ppm		ICP ppm	ICP %	ICP ppm	ICP ppm	ICP ppm	ICP ppm
RS-474 1904-1930.5	312	28	4	<0.5	56	<0.01	<0.5	6	<1	84
RS-474 2030-2046	91	29	4	<0.5	41	<0.01	<0.5	<2	<1	92
RS-474 2046-2062.2	36	23	3	<0.5	41	<0.01	<0.5	<2	<1	69
RS-474 2062.2-2071.8	40	28	13	<0.5	40	<0.01	<0.5	<2	<1	83
RS-474 2090-2152.5	14	18	<2	<0.5	67	<0.01	<0.5	<2	<1	65
RS-474 2174.5-2184.1	63	22	2	<0.5	35	<0.01	<0.5	<2	<1	73

Drill Core
why?



INSPECTORATE AMERICA CORPORATION

840 Greg Street

Sparks, Nevada 89431

Tel: 775-359-6311

Fax: 775-359-2944

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

3-Nov-99

Page: 5
Copy: 1 of 3
Set : 3

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

Received: 14-Oct-99 10:31

PO #:

Job: 993643R

Status: Final

Abbreviations:Parameters:

Au	: Gold
Ag	: Silver
Al	: Aluminum
As	: Arsenic
B	: Boron
Ba	: Barium
Bi	: Bismuth
Ca	: Calcium
Cd	: Cadmium
Co	: Cobalt
Cr	: Chromium
Cu	: Copper
Fe	: Iron
Hg	: Mercury
K	: Potassium
La	: Lanthanum
Mg	: Magnesium
Mn	: Manganese
Mo	: Molybdenum
Na	: Sodium
Ni	: Nickel
P	: Phosphorus
Pb	: Lead

CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

INSPECTORATE AMERICA CORPORATION

840 Greg Street

Sparks, Nevada 89431

Tel: 775-359-6311

Fax: 775-359-2944

3-Nov-99

Page: 6
Copy: 1 of 3
Set : 3

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

PO #:

Received: 14-Oct-99 10:31

Job: 993643R

Status: Final

Sb : Antimony
Se : Selenium
Sr : Strontium
Ti : Titanium
Tl : Thallium
V : Vanadium
W : Tungsten
Zn : Zinc

Methods:

FA/AA : Fire Assay/Atomic Absorption Finish
ICP : Inductively Coupled Plasma

Units:

ppb : Parts per billion
oz/ton : ounces per ton
ppm : Parts per million
% : percent

Quality codes:

< : Less than



INSPECTORATE

INSPECTORATE AMERICA CORPORATION

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CHARLOTTE BALLEW
NEWMONT GOLD CO.
861 W. 6TH STREET
WINNEMUCCA NV 89445

3-Nov-99

Page: 7
Copy: 1 of 3

Certificate of Analysis

Attn: Randy Vance
Project: RS-474 1904-2184.1

Received: 14-Oct-99 10:31

PO #:

Job: 993643R

Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:

.....
Dave Francisco
Laboratory Manager



RECEIVED
NOV 18 1999

ROCKY MOUNTAIN GEOCHEMICAL

A MEMBER OF THE INSPECTORATE GROUP OF COMPANIES
840 GREG STREET • SPARKS, NEVADA 89431 • PHONE (775) 359-6311 • FAX (775) 359-2944

Randy Vance
Newmont Gold Co.
861 W6th ST
Winnemucca, NV 89445 US

Invoice No: 33100065
Invoice Date: 11/9/99
Job No: 99-37-09
Account No: 00007302 793643R

Client PO:

INVOICE

Terms: Net 30 days

Item Description	Qty	Unit Price	Amount
Prep	23	\$3.50	\$80.50
Composites	23	\$1.00	\$23.00
Au FA/AA	23	\$7.50	\$172.50
Hg	23	\$4.00	\$92.00
30 element ICP	6	\$7.45	\$44.70

PLEASE REMIT TO:
Inspectorate America Corp.
P.O. Box 201901
Houston, TX 77216-1901

Sub Total: \$412.70
Discount: \$123.81
Invoice Total: \$288.89

RS-474
1904-2184.1

COPY

NEC	PROJECT NUMBER	EXPERIMENT ELEMENT	AMOUNT
1			\$ 288.89
2			
3			
APR BY			DATE



BARRINGER LABORATORIES INC.

RANDY VANCE
NEWMONT MINING CORP.
861 WEST 6th STREET
WINNEMUCCA NV 89445

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

5301 LONGLEY LANE
BUILDING E, SUITE 178
RENO, NEVADA 89511
PHONE: (775) 828-1158

14-Sep-99

Page: 1
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 5	42	0.001
RS-474 10	71	0.002
RS-474 15	25	0.001
RS-474 20	23	0.001
RS-474 25	13	0.000
RS-474 30	33	0.001
RS-474 35	14	0.000
RS-474 40	<2	0.000
RS-474 45	9	0.000
RS-474 50	17	0.000
RS-474 55	20	0.001
RS-474 60	10	0.000
RS-474 65	13	0.000
RS-474 70	26	0.001
RS-474 75	32	0.001
RS-474 80	17	0.000
RS-474 85	30	0.001
RS-474 90	151	0.004
RS-474 95	95	0.003
RS-474 100	233	0.007



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14-Sep-99

Page: 2
Copy: 3 of 3
Set : 1

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Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 105	56	0.002
RS-474 110	52	0.002
RS-474 115	18	0.001
RS-474 120	20	0.001
RS-474 125	16	0.000
RS-474 130	32	0.001
RS-474 135	37	0.001
RS-474 140	29	0.001
RS-474 145	45	0.001
RS-474 150	25	0.001
RS-474 155	25	0.001
RS-474 160	15	0.000
RS-474 165	19	0.001
RS-474 170	34	0.001
RS-474 175	28	0.001
RS-474 180	20	0.001
RS-474 185	19	0.001
RS-474 190	32	0.001
RS-474 195	28	0.001
RS-474 200	31	0.001



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Page: 3
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

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Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 205	20	0.001
RS-474 210	18	0.001
RS-474 215	40	0.001
RS-474 220	15	0.000
RS-474 225	55	0.002
RS-474 230	45	0.001
RS-474 235	19	0.001
RS-474 240	15	0.000
RS-474 245	32	0.001
RS-474 250	12	0.000
RS-474 255	33	0.001
RS-474 260	47	0.001
RS-474 265	41	0.001
RS-474 270	34	0.001
RS-474 275	23	0.001
RS-474 280	36	0.001
RS-474 285	32	0.001
RS-474 290	32	0.001
RS-474 295	15	0.000
RS-474 300	10	0.000



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Page: 4
Copy: 3 of 3
Set : 1

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Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 305	10	0.000
RS-474 310	18	0.001
RS-474 315	22	0.001
RS-474 320	17	0.000
RS-474 325	14	0.000
RS-474 330	22	0.001
RS-474 335	15	0.000
RS-474 340	8	0.000
RS-474 345	9	0.000
RS-474 350	11	0.000
RS-474 355	9	0.000
RS-474 360	17	0.000
RS-474 365	24	0.001
RS-474 370	13	0.000
RS-474 375	83	0.002
RS-474 380	10	0.000
RS-474 385	10	0.000
RS-474 390	11	0.000
RS-474 395	22	0.001
RS-474 400	12	0.000



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14-Sep-99

Page: 5
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
STD #400.0B	111	0.003
RS-474 405	21	0.001
RS-474 410	15	0.000
RS-474 415	17	0.000
RS-474 420	34	0.001
RS-474 425	17	0.000
RS-474 430	MS	0.000
RS-474 435	15	0.000
RS-474 440	12	0.000
RS-474 445	12	0.000
RS-474 450	7	0.000
RS-474 455	13	0.000
RS-474 460	9	0.000
RS-474 465	16	0.000
RS-474 470	22	0.001
RS-474 475	14	0.000
RS-474 480	21	0.001
RS-474 485	9	0.000
RS-474 490	10	0.000
RS-474 495	16	0.000



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14-Sep-99

Page: 6
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 500	6	0.000
RS-474 505	7	0.000
RS-474 510	7	0.000
RS-474 515	13	0.000
RS-474 520	41	0.001
RS-474 525	66	0.002
RS-474 530	13	0.000
RS-474 535	35	0.001
RS-474 540	23	0.001
RS-474 545	19	0.001
RS-474 550	18	0.001
RS-474 555	33	0.001
RS-474 560	78	0.002
RS-474 565	64	0.002
RS-474 570	MS	0.000
RS-474 575	67	0.002
RS-474 580	55	0.002
RS-474 585	40	0.001
RS-474 590	81	0.002
RS-474 595	131	0.004



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14-Sep-99

Page: 7
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 600	62	0.002
RS-474 605	50	0.001
RS-474 610	18	0.001
RS-474 615	59	0.002
RS-474 620	84	0.002
RS-474 625	69	0.002
RS-474 630	34	0.001
RS-474 635	39	0.001
RS-474 640	52	0.002
RS-474 645	41	0.001
RS-474 650	45	0.001
RS-474 655	10	0.000
RS-474 660	16	0.000
RS-474 665	MS	0.000
RS-474 670	18	0.001
RS-474 675	13	0.000
RS-474 675 A	21	0.001
RS-474 680	33	0.001
RS-474 685	24	0.001
RS-474 690	49	0.001



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Page: 8
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 695	44	0.001
RS-474 700	98	0.003
RS-474 705	68	0.002
RS-474 710	33	0.001
RS-474 715	32	0.001
RS-474 720	25	0.001
RS-474 725	66	0.002
RS-474 730	29	0.001
RS-474 735	45	0.001
RS-474 740	14	0.000
RS-474 745	12	0.000
RS-474 750	27	0.001
RS-474 755	24	0.001
RS-474 760	13	0.000
RS-474 765	20	0.001
RS-474 770	30	0.001
RS-474 775	12	0.000
RS-474 780	5	0.000
RS-474 785	8	0.000
RS-474 790	8	0.000



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14-Sep-99

Page: 9
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 795	13	0.000
RS-474 800	12	0.000
STD #800.0B	998	0.029
RS-474 805	15	0.000
RS-474 810	4	0.000
RS-474 815	12	0.000
RS-474 820	24	0.001
RS-474 825	16	0.000
RS-474 830	12	0.000
RS-474 835	49	0.001
RS-474 840	3	0.000
RS-474 845	10	0.000
RS-474 850	5	0.000
RS-474 855	6	0.000
RS-474 860	31	0.001
RS-474 865	10	0.000
RS-474 870	11	0.000
RS-474 875	7	0.000
RS-474 880	10	0.000
RS-474 885	7	0.000



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14-Sep-99

Page: 10
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 890	3	0.000
RS-474 895	3	0.000
RS-474 900	5	0.000
RS-474 905	9	0.000
RS-474 910	7	0.000
RS-474 915	4	0.000
RS-474 920	8	0.000
RS-474 925	7	0.000
RS-474 930	6	0.000
RS-474 935	12	0.000
RS-474 940	6	0.000
RS-474 945	12	0.000
RS-474 950	6	0.000
RS-474 955	4	0.000
RS-474 960	9	0.000
RS-474 965	8	0.000
RS-474 970	6	0.000
RS-474 975	49	0.001
RS-474 980	33	0.001
RS-474 985	8	0.000



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14-Sep-99

Page: 11
Copy: 3 of 3
Set : 1

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Au FA/AA ppb	Au FA/AA oz/ton
RS-474 990	<2	0.000
RS-474 995	8	0.000
RS-474 1000	20	0.001



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Page: 12
Copy: 3 of 3
Set : 2

Attn: Randy Vance
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PO #:

Received: 16-Aug-99 12:24

Job: 993209R

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Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 0-20	<0.1	0.63	17	24	106	3	0.07	0.7	<1	77	5
RS-474 20-40	<0.1	0.43	12	27	82	5	0.02	0.8	<1	64	5
RS-474 40-60	<0.1	0.58	4	25	75	6	0.02	<0.5	<1	66	6
RS-474 60-80	<0.1	0.63	1	29	75	9	0.01	0.8	<1	50	5
RS-474 80-100	<0.1	0.60	13	28	59	4	0.01	0.8	<1	64	4
RS-474 100-120	<0.1	0.58	11	30	56	6	0.01	0.7	<1	58	5
RS-474 120-140	<0.1	0.52	22	27	42	3	0.01	1.9	2	71	6
RS-474 140-160	<0.1	0.48	20	27	16	8	0.01	1.5	8	77	7
RS-474 160-180	<0.1	0.46	18	22	10	5	0.01	5.4	9	126	9
RS-474 180-200	<0.1	0.59	26	20	14	5	0.01	6.3	8	108	7
RS-474 200-220	<0.1	0.53	16	26	17	5	0.01	9.9	26	78	5
RS-474 220-240	<0.1	0.46	6	30	39	7	0.01	3.7	26	80	4
RS-474 240-260	<0.1	0.49	20	26	21	6	0.01	1.3	11	54	4
RS-474 260-280	<0.1	0.46	5	26	21	2	0.02	1.2	11	69	5
RS-474 280-300	<0.1	0.58	9	25	34	4	0.03	0.9	8	74	5
RS-474 300-320	<0.1	1.16	<2	15	135	8	0.32	0.4	<1	31	4
RS-474 320-340	<0.1	0.67	<2	16	116	1	0.26	<0.5	<1	33	4
RS-474 340-360	<0.1	0.67	<2	19	51	3	0.18	1.1	<1	31	3
RS-474 360-380	0.2	0.76	<2	16	249	5	0.57	0.9	<1	31	5
RS-474 380-400	0.2	1.02	<2	14	458	3	0.75	0.3	<1	34	5



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Page: 13
Copy: 3 of 3
Set : 2

Attn: Randy Vance
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Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 400-420	1.5	0.79	2	13	303	6	1.21	0.7	<1	20	6
RS-474 420-440	0.2	0.77	<2	14	300	4	1.39	0.6	<1	23	5
RS-474 440-460	0.2	0.87	<2	18	162	12	1.35	0.8	<1	33	6
RS-474 460-480	0.5	0.69	<2	15	85	4	2.12	0.8	<1	22	4
RS-474 480-500	<0.1	0.63	<2	27	131	4	0.32	1.4	1	38	5
RS-474 500-520	<0.1	0.52	<2	28	106	6	0.34	1.7	1	35	5
RS-474 520-540	<0.1	0.50	<2	30	56	7	0.17	1.6	3	26	4

Repeat NA NA

Rock

RS-474 540-560	<0.1	0.49	<2	31	33	9	0.16	1.1	2	20	4
RS-474 560-580	<0.1	0.49	5	41	34	8	0.14	1.3	4	35	5
RS-474 580-600	<0.1	0.39	11	44	18	7	0.11	1.4	5	31	4
RS-474 600-620	<0.1	0.48	3	45	26	4	0.12	1.5	5	29	5
RS-474 620-640	<0.1	0.47	5	51	38	9	0.12	2.0	6	38	6
RS-474 640-660	<0.1	0.43	<2	43	23	4	0.12	1.6	6	29	4



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Page: 14
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

PO #:

Received: 16-Aug-99 12:24

Job: 993209R

Status: Final

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 660-680	<0.1	0.48	<2	39	59	7	0.12	1.2	4	41	4
RS-474 680-700	<0.1	0.40	6	38	38	6	0.12	1.4	6	25	4
RS-474 700-720	<0.1	0.46	<2	39	33	5	0.11	1.4	8	33	4
RS-474 720-740	<0.1	0.47	2	35	63	1	0.14	1.5	6	48	6
RS-474 740-760	<0.1	0.49	13	36	62	5	0.16	1.6	3	41	5
RS-474 760-780	<0.1	0.45	23	33	31	5	0.10	1.4	3	69	5
RS-474 780-800	<0.1	0.56	6	31	59	2	0.12	1.1	5	69	6
RS-474 800-820	0.1	0.50	7	33	45	5	0.11	1.3	4	79	7
RS-474 820-840	<0.1	0.37	<2	21	46	<1	0.17	0.8	1	27	3
RS-474 840-860	<0.1	0.39	<2	23	80	1	0.54	0.5	1	13	2
RS-474 860-880	<0.1	0.40	<2	22	83	5	0.19	0.6	1	9	2
RS-474 880-900	<0.1	0.37	<2	22	56	<1	0.13	0.6	<1	9	2

Repeat NA NA

Rock

RS-474 900-920	<0.1	0.35	<2	21	43	4	0.12	0.6	1	7	2
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Page: 15
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Ag ICP ppm	Al ICP %	As ICP ppm	B ICP ppm	Ba ICP ppm	Bi ICP ppm	Ca ICP %	Cd ICP ppm	Co ICP ppm	Cr ICP ppm	Cu ICP ppm
RS-474 920-940	<0.1	0.44	<2	26	70	4	1.11	0.8	1	6	1
RS-474 940-960	<0.1	0.37	<2	25	91	5	1.14	0.7	1	7	1
RS-474 960-980	<0.1	0.35	<2	23	111	3	0.97	0.8	1	12	1
RS-474 980-1000	<0.1	0.37	<2	22	98	2	0.96	<0.5	1	8	1



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Page: 16
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

PO #:

Received: 16-Aug-99 12:24

Job: 993209R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 0-20	1.63	3320	0.67	15	0.03	17	1	0.04	3	161	21
RS-474 20-40	1.61	2631	0.59	12	<0.01	6	1	0.03	2	68	23
RS-474 40-60	1.35	1409	0.62	16	<0.01	8	1	0.02	2	109	19
RS-474 60-80	1.75	1629	0.61	16	<0.01	5	<1	0.02	2	104	22
RS-474 80-100	1.73	2850	0.73	15	<0.01	6	1	0.01	2	60	20
RS-474 100-120	1.90	2474	0.78	16	<0.01	7	<1	0.03	2	80	19
RS-474 120-140	1.75	2913	0.54	14	<0.01	7	1	<0.01	3	37	24
RS-474 140-160	1.60	2177	0.25	14	<0.01	7	1	<0.01	4	37	28
RS-474 160-180	1.57	1989	0.25	16	<0.01	7	2	<0.01	5	51	43
RS-474 180-200	1.45	1644	0.25	14	<0.01	8	2	<0.01	5	53	25
RS-474 200-220	1.51	1065	0.27	11	<0.01	7	2	<0.01	5	44	19
RS-474 220-240	1.91	808	0.21	9	<0.01	3	1	<0.01	4	27	20
RS-474 240-260	1.59	839	0.21	9	<0.01	3	<1	<0.01	3	40	25
RS-474 260-280	1.64	833	0.23	12	<0.01	12	1	<0.01	3	45	22
RS-474 280-300	1.52	940	0.22	13	<0.01	19	1	<0.01	4	88	18
RS-474 300-320	1.05	28	0.55	18	0.05	68	<1	<0.01	2	93	21
RS-474 320-340	0.95	13	0.52	18	0.03	47	<1	0.02	1	83	16
RS-474 340-360	1.44	94	0.56	20	0.03	819	<1	<0.01	1	115	20
RS-474 360-380	1.22	144	0.66	23	0.06	576	<1	0.02	2	150	26
RS-474 380-400	0.78	94	0.80	21	0.08	222	<1	0.11	2	131	25



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14-Sep-99

Page: 17
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24
PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 400-420	0.71	97	0.61	24	0.09	623	<1	0.08	1	141	23
RS-474 420-440	0.80	135	0.59	23	0.07	627	<1	0.02	2	156	34
RS-474 440-460	1.41	25	0.53	18	0.08	850	<1	0.01	1	269	36
RS-474 460-480	1.14	16	0.43	17	0.07	1424	<1	0.03	2	266	51
RS-474 480-500	1.94	50	0.49	23	0.04	678	<1	<0.01	2	360	28
RS-474 500-520	2.28	1174	0.38	20	0.04	836	<1	<0.01	1	280	35
RS-474 520-540	2.35	1234	0.28	16	0.02	552	<1	<0.01	1	273	31

Repeat	NA										
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Rock

RS-474 540-560	2.59	1441	0.27	16	0.01	318	<1	<0.01	1	321	29
RS-474 560-580	2.96	1206	0.22	14	0.01	126	<1	<0.01	2	326	30
RS-474 580-600	3.21	2020	0.23	14	0.01	58	1	<0.01	1	297	33
RS-474 600-620	3.22	1221	0.25	13	0.01	287	<1	<0.01	1	318	32
RS-474 620-640	3.69	1049	0.23	13	0.01	310	<1	<0.01	2	331	36
RS-474 640-660	3.11	417	0.24	12	0.01	445	<1	<0.01	1	285	33



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Page: 18
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 660-680	2.73	940	0.21	12	0.01	321	<1	<0.01	2	268	27
RS-474 680-700	2.68	1049	0.26	12	0.01	441	<1	<0.01	1	248	25
RS-474 700-720	3.05	1018	0.24	13	0.01	209	<1	<0.01	2	296	35
RS-474 720-740	2.80	852	0.23	13	0.01	328	<1	<0.01	2	282	31
RS-474 740-760	2.53	833	0.22	15	0.02	636	<1	<0.01	2	256	31
RS-474 760-780	2.15	1071	0.13	11	0.02	702	1	<0.01	3	232	25
RS-474 780-800	2.12	457	0.14	11	0.02	1269	1	<0.01	3	225	21
RS-474 800-820	2.53	489	0.14	11	0.02	1032	<1	<0.01	4	224	29
RS-474 820-840	1.42	225	0.29	13	0.02	500	1	<0.01	1	94	20
RS-474 840-860	1.41	63	0.35	15	0.03	522	<1	<0.01	<1	103	19
RS-474 860-880	1.66	125	0.36	15	0.03	1313	<1	<0.01	1	97	22
RS-474 880-900	1.40	75	0.31	14	0.02	524	1	<0.01	1	109	23

Repeat NA NA

Rock

RS-474 900-920	1.29	47	0.31	14	0.02	368	<1	<0.01	1	102	20
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Page: 19
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Fe ICP %	Hg ICP ppb	K ICP %	La ICP ppm	Mg ICP %	Mn ICP ppm	Mo ICP ppm	Na ICP %	Ni ICP ppm	P ICP ppm	Pb ICP ppm
RS-474 920-940	1.81	50	0.36	18	0.04	321	<1	<0.01	<1	160	19
RS-474 940-960	1.58	34	0.31	15	0.03	254	<1	<0.01	<1	115	19
RS-474 960-980	1.55	94	0.34	18	0.03	312	<1	<0.01	1	146	20
RS-474 980-1000	1.42	44	0.34	18	0.03	341	<1	<0.01	1	131	19



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Page: 20
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 0-20	12	<0.5	54	<0.01	<0.5	3	<1	18
RS-474 20-40	11	<0.5	9	<0.01	<0.5	<2	<1	13
RS-474 40-60	11	<0.5	28	<0.01	<0.5	<2	<1	21
RS-474 60-80	12	<0.5	25	<0.01	<0.5	<2	<1	22
RS-474 80-100	13	<0.5	13	<0.01	<0.5	<2	<1	22
RS-474 100-120	9	<0.5	16	<0.01	<0.5	<2	<1	17
RS-474 120-140	9	<0.5	9	<0.01	<0.5	<2	<1	31
RS-474 140-160	8	<0.5	8	<0.01	<0.5	<2	<1	35
RS-474 160-180	9	<0.5	13	<0.01	<0.5	<2	<1	53
RS-474 180-200	16	<0.5	22	<0.01	<0.5	<2	<1	66
RS-474 200-220	12	<0.5	29	<0.01	<0.5	<2	<1	60
RS-474 220-240	10	<0.5	14	<0.01	<0.5	<2	<1	91
RS-474 240-260	11	<0.5	28	<0.01	<0.5	<2	<1	171
RS-474 260-280	8	<0.5	23	<0.01	<0.5	<2	<1	128
RS-474 280-300	8	<0.5	76	<0.01	<0.5	2	<1	86
RS-474 300-320	6	<0.5	103	0.01	<0.5	3	<1	74
RS-474 320-340	3	<0.5	91	0.01	<0.5	2	<1	43
RS-474 340-360	4	<0.5	59	<0.01	<0.5	2	<1	119
RS-474 360-380	3	<0.5	228	<0.01	<0.5	<2	<1	79
RS-474 380-400	2	<0.5	669	<0.01	<0.5	<2	<1	35



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Page: 21
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

PO #:

Received: 16-Aug-99 12:24

Job: 993209R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 400-420	4	<0.5	246	<0.01	<0.5	<2	<1	31
RS-474 420-440	2	<0.5	171	<0.01	<0.5	<2	<1	31
RS-474 440-460	2	<0.5	119	<0.01	<0.5	5	<1	39
RS-474 460-480	3	<0.5	156	<0.01	<0.5	4	<1	35
RS-474 480-500	4	<0.5	39	0.01	<0.5	7	<1	60
RS-474 500-520	5	<0.5	58	0.01	<0.5	7	<1	106
RS-474 520-540	6	<0.5	18	<0.01	<0.5	4	<1	129

Repeat NA <0.5 NA NA NA NA NA NA

Rock

RS-474 540-560	7	<0.5	13	<0.01	<0.5	3	<1	140
RS-474 560-580	10	<0.5	11	<0.01	<0.5	2	<1	125
RS-474 580-600	23	<0.5	6	<0.01	<0.5	3	<1	222
RS-474 600-620	13	<0.5	8	<0.01	<0.5	3	<1	234
RS-474 620-640	11	<0.5	9	<0.01	<0.5	3	<1	193
RS-474 640-660	7	<0.5	8	<0.01	<0.5	3	<1	141



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14-Sep-99

Page: 22
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 660-680	4	<0.5	9	<0.01	<0.5	3	<1	120
RS-474 680-700	11	<0.5	11	<0.01	<0.5	2	<1	188
RS-474 700-720	9	<0.5	8	<0.01	<0.5	2	<1	162
RS-474 720-740	7	<0.5	13	<0.01	<0.5	3	<1	141
RS-474 740-760	9	<0.5	20	0.01	<0.5	3	<1	93
RS-474 760-780	11	<0.5	7	0.01	<0.5	3	<1	89
RS-474 780-800	7	<0.5	11	0.01	<0.5	3	<1	158
RS-474 800-820	8	<0.5	8	0.01	<0.5	4	<1	136
RS-474 820-840	4	<0.5	14	0.01	<0.5	2	<1	80
RS-474 840-860	2	<0.5	48	0.02	<0.5	2	<1	71
RS-474 860-880	4	<0.5	20	0.02	<0.5	2	<1	104
RS-474 880-900	4	<0.5	13	0.02	<0.5	<2	<1	75

Repeat NA <0.5 NA NA NA NA NA NA

Rock

RS-474 900-920	4	<0.5	10	0.02	<0.5	2	<1	67
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Page: 23
Copy: 3 of 3
Set : 2

Attn: Randy Vance
Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

Status: Final

Rock

Sample Id	Sb ICP ppm	Se ICP ppm	Sr ICP ppm	Ti ICP %	Tl ICP ppm	V ICP ppm	W ICP ppm	Zn ICP ppm
RS-474 920-940	2	<0.5	72	0.02	<0.5	6	<1	42
RS-474 940-960	2	<0.5	61	0.02	<0.5	2	<1	41
RS-474 960-980	5	<0.5	60	0.02	<0.5	5	<1	47
RS-474 980-1000	4	<0.5	59	0.02	<0.5	3	<1	38



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Page: 24
Copy: 3 of 3
Set : 3

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Project: RS-474

Received: 16-Aug-99 12:24

PO #:

Job: 993209R

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Abbreviations:

Parameters:

Au	: Gold
Ag	: Silver
Al	: Aluminum
As	: Arsenic
B	: Boron
Ba	: Barium
Bi	: Bismuth
Ca	: Calcium
Cd	: Cadmium
Co	: Cobalt
Cr	: Chromium
Cu	: Copper
Fe	: Iron
Hg	: Mercury
K	: Potassium
La	: Lanthanum
Mg	: Magnesium
Mn	: Manganese
Mo	: Molybdenum
Na	: Sodium
Ni	: Nickel
P	: Phosphorus
Pb	: Lead



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Page: 25
Copy: 3 of 3
Set : 3

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PO #:

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Sb : Antimony
Se : Selenium
Sr : Strontium
Ti : Titanium
Tl : Thallium
V : Vanadium
W : Tungsten
Zn : Zinc

Methods:

FA/AA : Fire Assay/Atomic Absorption Finish
ICP : Inductively Coupled Plasma

Units:

ppb : Parts per billion
oz/ton : ounces per ton
ppm : Parts per million
% : percent

Quality codes:

< : Less than
MS : Missing
NA : Not Analyzed



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Page: 26
Copy: 3 of 3

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Received: 16-Aug-99 12:24

PO #:

Job: 993209R

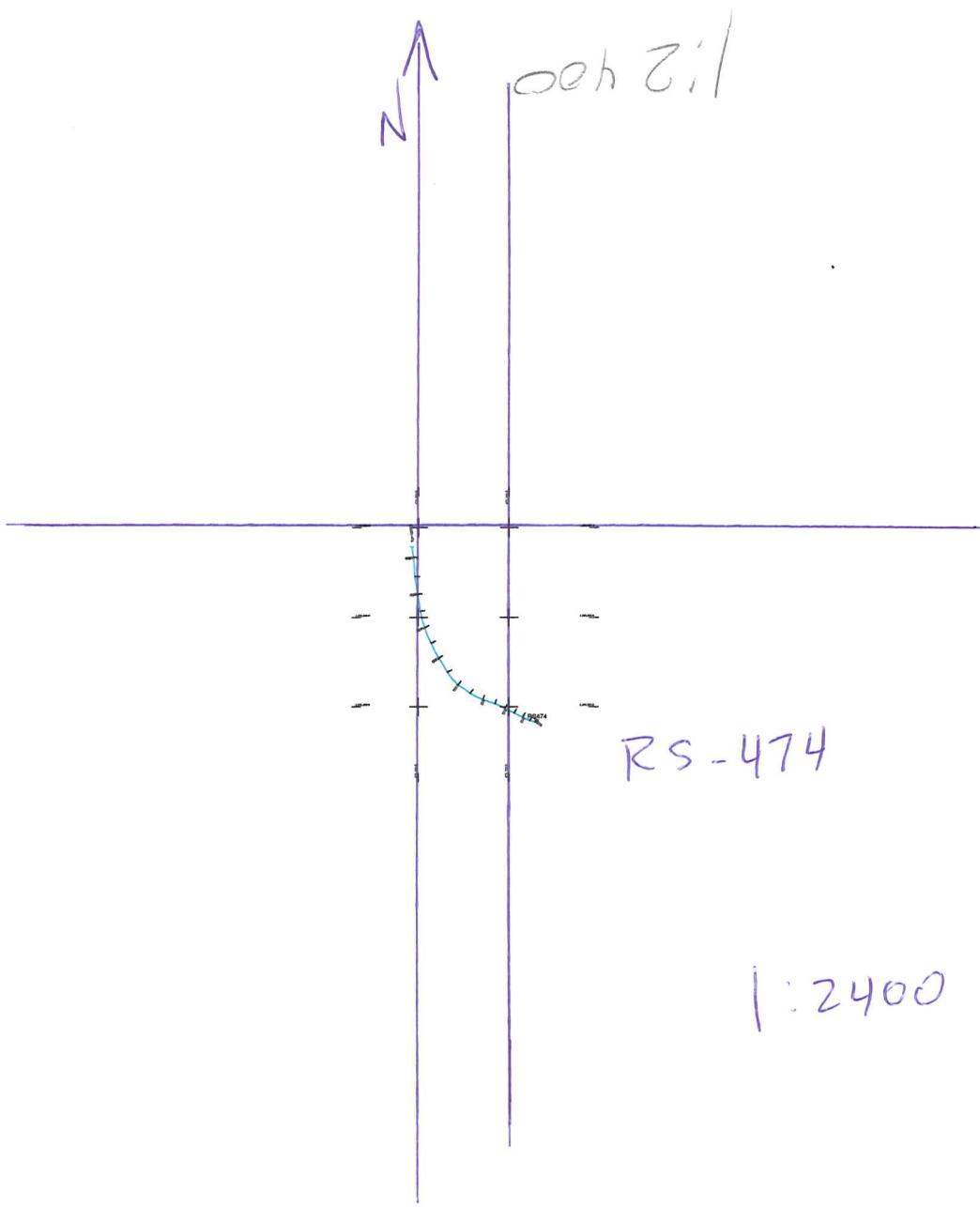
Status: Final

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

Job approved by:

Signed:

Chuck Whipple
Richard Grondin



ICP Sample Intervals for RS-474

RC	0	1205	none
	1205	1225	20
	1225	1250	25
	1275	1850	25 composite every 25 feet
	1850	1860	10
Core	Gold Intervals	Width	ICP
	1859.9	1862	2.1
	1862	1864	2
	1864	1866.5	2.5
	1866.5	1870	3.5
	1870	1875.5	5.5
	1875.5	1880	4.5
	1880	1883.6	3.6
	1883.6	1887	3.4
	1887	1889	2
	1889	1891.5	2.5
	1891.5	1894.5	3
	1894.5	1899	4.5
	1899	1904	5
	1904	1909	5
	1909	1914	5
	1914	1919	5
	1919	1924	5
	1924	1930.5	6.5
	1930.5	1934.8	4.3
	1934.8	1936.5	1.7
	1936.5	1938.5	2
	1938.5	1942.2	3.7
	1942.2	1943.8	1.6
	1943.8	1946.6	2.8
	1946.6	1950	3.4
	1950	1952	2
	1952	1955	3
	1955	1959	4
	2030	2033.9	3.9
	2033.9	2036.1	2.2
	2036.1	2040	3.9
	2040	2041.5	1.5
	2041.5	2046	4.5
	2046	2050.1	4.1
	2050.1	2054.8	4.7
	2054.8	2062.2	7.4
	2062.2	2063.6	1.4
	2063.6	2064.9	1.3
	2064.9	2066.4	1.5
	2066.4	2071.8	5.4

2071.8 B

RS-475-99

Depth From	To	Interval	Au	Ag	ICP	Composite	Sample	Pulps
						Interval	Number	
2850	2854	4	x	x			1	
2854	2857.5	3.5	x	x			2	
2857.5	2861.5	4	x	x			3	
2861.5	2863.2	1.7	x	x	x	13.2	4	
2863.2	2866	2.8	x	x			5	
2866	2868.8	2.8	x	x	x	5.6	6	
2868.8	2872	3.2	x	x	x	3.2	7	
2872	2876.5	4.5	x	x			8	
2876.5	2879.5	3	x	x	x	7.5	9	
2879.5	2883.5	4	x	x	x	4	10	
2883.5	2884.7	1.2	x	x			11	
2884.7	2886	1.3	x	x	x	2.5	12	
2886	2888.4	2.4	x	x	x	2.4	13	2888.4B
2888.4	2890.5	2.1	x	x	x	2.1	14	
2890.5	2894.5	4	x	x			15	
2894.5	2899	4.5	x	x	x	8.5	16	
2899	2901	2	x	x			17	
2901	2903.5	2.5	x	x	x	4.5	18	
2903.5	2906.5	3	x	x	x	3	19	
2906.5	2911.5	5	x	x			20	
2911.5	2915	3.5	x	x	x	8.5	21	
2915	2920	5	x	x			22	
2920	2924.5	4.5	x	x			23	
2924.5	2928	3.5	x	x	x	13	24	
2928	2931	3	x	x			25	
2931	2933	2	x	x			26	
2933	2938	5	x	x	x	10	27	2938.0B
2938	2941.5	3.5	x	x			28	
2941.5	2944	2.5	x	x			29	
2944	2948	4	x	x			30	
2948	2951	3	x	x			31	
2951	2955	4	x	x	x	17	32	
2955	2959	4	x	x			33	
2959	2963.5	4.5	x	x	x	8.5	34	
2963.5	2965.5	2	x	x			35	
2965.5	2970.5	5	x	x			36	
2970.5	2975.5	5	x	x			37	
2975.5	2978	2.5	x	x			38	
2978	2981.4	3.4	x	x	x	17.9	39	
2981.4	2982.9	1.5	x	x			40	
2982.9	2987	4.1	x	x			41	
2987	2990.5	3.5	x	x			42	
2990.5	2995.5	5	x	x			43	
2995.5	3000	4.5	x	x	x	18.6	44	

NEWMONT MINING CORPORATION

GEOLOGY DEPARTMENT WINNEMUCCA EXPLORATION

861 West 6th Street
Winnemucca, NV 89445
Tel 775/623-3493
Fax 775/625-5655

FAX COVER SHEET

TO: Rich - Barringer FAX: (775) 828-1263

FROM: Randy Vance

DATE: 10/12/99

TIME: _____

Total Number of Pages including this page: 3

MESSAGE:
ICP instructions: RS-474 details attached. (AQUA ICP)
RS-475 2850-3000 details attached.
Logging of 1600-2850' is in progress. (AQUA ICP)
RS-476 partial digestion as instructed. (AQUA ICP)

If all pages are not received in legible condition, please call 775/625-5600

Sample Intervals for RS-474

2030 - 2033.9

2033.9 - 2036.1

- 2040

- 2041.5

- 2046

- 2050.1

- 2054.8

- 2062.2

- 2063.6

- 2064.9

- 2066.4

- 2071.8

2090 - 2093.6

2147.9 - 2152.5

2174.5 - 2179.3

- 2181.1

- 2184.1

End.

RS-474

- 1 1859.7 - 1862
- 2 1862 - 1864
- 3 1864 - 1866.5
- 4 1866.5 - 1870
- 5 1870 - 1875.5
- 6 1875.5 - 1880
- 7 1880 - 1883.6
- 8 1883.6 - 1887 1887-1889
- 9 ~~1887-1891~~ 1889-1891.5
- 10 1891.5 - 1894.5
- 11 1894.5 - 1899
- 12 1899 - 1904

1904 - 1909
1909 - 1914
1914 - 1919
1919 - 1924
1924 - 1930.5

} shipped later

- 14 1930.5 - 1934.8
- 15 1934.8 - 1936.5
- 16 1936.5 - 1938.5
- 17 1938.5 - 1942.2
- 18 1942.2 → 1943.8 1946.6
- 19 1946.6 - 1950
- 20 1950 - 1952
- 21 1952 - 1955
- 22 1955 - 1959

475
RS ~~475~~

993485R 2850-3000' Partial ICP as stated. ✓
SFA (2876.5-2901)

0-1600' RS-475 selected intervals for Au
45-50, 95-100, 110-150 (5), (1205-1600 every 5.) }

✓
1205-1220
1220-40.....
1580-1600'

1600-2427 as shown, partial, to be shipped later this week.
$$\begin{array}{r} 160 \\ 5 \times 300 \\ \hline 1500 \\ 5 \\ \hline 20 \end{array}$$

2427-2850' To be shipped.

RS - 474 (Degerstrom)

0-1860: instructed 9/3/99; core:
RC

- ① 1859.9 - ~~1870~~, Composite for ICP!
② 1870 → ~~1887~~ 1887
③ 1887 → ~~1889~~ → 1904

1904 - 1930.5

1930.5 - 1946.6

1946.6 - 1959

BARRINGER LABORATORIES, INC.

RENO, NEVADA, U.S.A., 5301 Longley Lane, Bldg. E, Reno, NV, 89511, TEL: 702-828-1158, FAX: 702-828-1263

BARRINGER LABORATORIOS
de MEXICO, S.A. de C.V.

Carretera Panamericana, KM 10445
Durango, Durango, Mexico C.P. 34030
TEL/FAX (52)(18) 12-00-52

BARRINGER LABORATORIES
del PERU S.A.

Avenida Domingo Orué 489
Surquillo, Lima 34, Peru
TEL (011-51-1) 222-2801
FAX (011-51-1) 442-7195

BARRINGER de COLOMBIA
Calle 80 Sur N. 47D-65, L-106

Sabaneta, Colombia
TEL (574) 301-0704

BARRINGER LABORATORIOS
de MEXICO, S.A. de C.V.

Bvd. Garcia Morales 829-A, Bodega #2
Colonia La Manga
Hermosillo, Sonora, Mexico C.P. 83210
TEL/FAX (011-52-6) 261-0415

BARRINGER LABORATORIES
NICARAGUA

COMPLEJO OCAL
Km 7.5 Carretera Norte
Managua, Nicaragua
TEL (011-50-5) 883-0778

MCCLELLAND/BARRINGER
LABORATORIOS HONDURAS

Kilometro 5,
Boulevard Suyapa
Tegucigalpa, M.D.C., Honduras
TEL (011-50-4) 231-1841

Work Order #	_____
Date Received	_____
Purchase Order #	_____
Project #	_____
Date Shipped	9/23/99
Shipped Via	_____
# of Cartons	_____
# of Samples	_____

Geochemical Laboratory Instruction Sheet

Page 1 of 2

Copy of Results:	Results And Invoice To:
Randy Vance Newmont Mining Corp 861 West 6th St Winnemucca NV 89445	Charlotte Ballow SAME
	AUTHORITY:

No. of Samples	Sample Type	List of Sample Numbers	Elements Requested
	Core	RS-474: 1859.7-1862 1862-1864 1864-1866.5 <u>1866.5-1870</u>	Au, 30g FA+AA 1889-1891.5 1891.5-1894.5 1894.5-1899 1899-1904
RS-474 MS-3 (RMG1) <u>1880 B</u>		1870-1875.5 1875.5-1880	{ continues on p. 2}
	pulp	1880 B 1880-1883.6 1883.6-1887 <u>1887-1889</u>	

COARSE REJECT (Free storage for 30 days)

- Return/collect after analysis
- Return/collect after 30 days
- Discard after 30 days

IF NOT MARKED, REJECT DISCARDED AFTER 30 DAYS

PULP (Free storage for 6 months)

- Return/collect after analysis
- Return/collect at 6 months
- Discard at 6 months

IF NOT MARKED, PULP IS DISCARDED AFTER 6 MONTHS

COARSE REJECTS/PULPS WILL BE DISCARDED
UNLESS OTHERWISE REQUESTED

Au - GOLD METHOD

- Fire Assay/A.A.
- Fire Assay/Gravimetric
- NaCN/A.A.

RESULTS REPORTED IN:

- | | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> ppb | <input type="checkbox"/> PPM |
| <input checked="" type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

TRACE ELEMENT METHOD

- Wet Chem./A.A.
- Wet Chem./ICP

RESULTS REPORTED IN:

- | | |
|-------------------------------|------------------------------------|
| <input type="checkbox"/> ppm | <input type="checkbox"/> Percent % |
| <input type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

ADDITIONAL INSTRUCTIONS:

Standard prep. 48-hour Rush

ICP instructions to follow later

BARRINGER LABORATORIES, INC.

RENO, NEVADA, U.S.A., 5301 Longley Lane, Bldg. E, Reno, NV, 89511, TEL: 702-828-1158, FAX: 702-828-1263

BARRINGER LABORATORIOS
de MEXICO, S.A. de C.V.

Carretera Panamericana, KM 10445
Durango, Durango, Mexico C.P. 34030
TEL/FAX (52) (18) 12-00-52

BARRINGER LABORATORIES
del PERU S.A.

Avenida Domingo Orué 489
Surquillo, Lima 34, Peru
TEL (011-51-1) 222-2801
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Bvd. García Morales 829-A, Bodega #2
Colonia La Manga
Hermosillo, Sonora, Mexico C.P. 83210
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BARRINGER LABORATORIES
NICARAGUA

COMPLEJO OCAL
Km 7.5 Carretera Norte
Managua, Nicaragua
TEL (011-50-5) 883-0778

McCLELLAND/BARRINGER
LABORATORIOS HONDURAS

Kilometro 5,
Boulevard Suyapa
Tegucigalpa, M.D.C., Honduras
TEL (011-50-4) 231-1841

Work Order #	_____
Date Received	_____
Purchase Order #	_____
Project #	_____
Date Shipped	9/23/99
Shipped Via	_____
# of Cartons	_____
# of Samples	_____

Geochemical Laboratory Instruction Sheet

Page 2 of 2

Copy of Results:	Results And Invoice To:
Randy Vance	
	AUTHORITY:

No. of Samples	Sample Type	List of Sample Numbers	Elements Requested
	Core	RS-474: 1930.5-1934.8	Au, 30 g FA+AA
		1934.8-1936.5	
		1936.5-1938.5	
		1938.5-1942.2	
		1942.2-1943.8	
		1943.8-1946.6	
		1946.6-1950	
	pulp	1950 B	
		1950-1952	
		1952-1955	
		1955-1959 end	

COARSE REJECT (Free storage for 30 days)

- Return/collect after analysis
- Return/collect after 30 days
- Discard after 30 days

IF NOT MARKED, REJECT DISCARDED AFTER 30 DAYS

PULP (Free storage for 6 months)

- Return/collect after analysis
- Return/collect at 6 months
- Discard at 6 months

IF NOT MARKED, PULP IS DISCARDED AFTER 6 MONTHS

**COARSE REJECTS/PULPS WILL BE DISCARDED
UNLESS OTHERWISE REQUESTED**

Au - GOLD METHOD

- Fire Assay/A.A.
- Fire Assay/Gravimetric
- NaCN/A.A.

RESULTS REPORTED IN:

- | | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> ppb | <input type="checkbox"/> PPM |
| <input checked="" type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

TRACE ELEMENT METHOD

- Wet Chem./A.A.
- Wet Chem./ICP

RESULTS REPORTED IN:

- | | |
|-------------------------------|------------------------------------|
| <input type="checkbox"/> ppm | <input type="checkbox"/> Percent % |
| <input type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

ADDITIONAL INSTRUCTIONS:

48-hour Rush

CUSTOMER-----: NEWMONT GOLD COMPANY
 MINE SITE-----: ROSEBUD
 HOLE NO.-----: RS474
 DATE-----: 08/16/1999



BILVER STATE
SURVEYS, INC.

Survey Certified By

Ryan Kellner

PROJECTED DEPTH-- 1800-1860

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL SHOTION (FEET)	NO. HOLE	DIRECTION	RECTANGULAR COORDINATES		Bearing 50 FT	ANGLE DEGREES	EXPOSURE DISTANCE	CL. CURVE DIR.	HOLE ID
					NAT. (FEET)	FMS (FEET)					
0	0.00	0.00	-88.81	91.63	0.00	0.00	0.00	0.00	0.00	0.00	69.4
50	49.99	0.77	-89.30	132.75	-0.22	0.74	0.81	0.77	108.61	69.4	
100	99.98	1.20	-89.21	188.49	-0.77	0.91	0.70	1.20	130.13	69.4	
150	149.98	1.41	-87.97	250.60	-1.41	0.03	1.80	1.41	178.93	70.3	
200	199.93	2.62	-87.18	273.58	-1.63	-2.06	1.28	2.62	231.58	70.3	
250	249.85	4.90	-86.38	289.07	-1.03	-4.78	1.17	4.90	267.85	70.3	
300	299.74	7.93	-85.83	298.32	0.27	-7.93	0.11	7.93	271.92	71.2	
350	349.57	11.74	-84.87	297.69	2.08	-11.55	0.49	11.74	280.22	71.2	
400	399.34	16.42	-84.07	294.88	4.21	-16.87	0.42	18.42	284.85	72.1	
450	449.06	21.63	-83.80	298.29	6.49	-20.84	0.16	21.63	287.46	72.1	
500	498.78	27.00	-83.77	298.21	8.88	-25.49	0.03	27.00	289.21	73.0	
550	548.45	32.54	-83.41	297.03	11.39	-30.48	0.37	32.54	280.48	73.0	
600	598.12	38.22	-83.44	298.66	14.08	-35.54	0.02	38.22	281.58	73.0	
650	647.78	44.05	-83.11	294.28	16.86	-40.78	0.30	44.05	292.22	73.8	
700	697.38	50.47	-82.12	288.97	19.01	-46.76	0.80	50.47	292.12	74.7	
750	746.85	57.64	-81.39	289.82	21.39	-53.52	0.37	57.64	291.79	74.7	
800	796.26	65.26	-81.07	291.80	24.10	-60.64	0.22	65.26	291.87	75.6	
850	845.68	73.00	-81.05	298.65	27.41	-67.86	0.53	73.00	292.05	75.6	
900	895.04	80.75	-80.86	301.29	31.31	-74.43	0.21	80.75	292.82	76.5	
950	944.39	88.66	-80.49	308.45	35.81	-81.11	0.48	88.66	293.82	77.3	

CUSTOMER: NEWMONT GOLD COMPANY
 MINE SITE: ROSEBUD
 HOLE NO.: RS474
 DATE: 08/15/1999



Survey Certified By

Ryan Kelner

PROJECTED DEPTH: 1800-1880

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION DEPTH	TRUE HORIZONTAL DEPTH	DIRECTION ANGLE (AZIMUTH)	RECTANGULAR COORDINATES	ELEVATION FEET	Tilted Elevation FEET	CLOSURE DEGREES	CLOSED DISTANCE FEET	CLOSED ANGLE DEGREES	CLOSED TEMP
W	E	N	S								
1000	893.86	88.91	-79.94	310.10	41.07	-87.77	0.41	96.91	285.08	77.3	
1050	1042.86	105.38	-79.38	319.03	47.38	-94.13	0.85	105.38	298.71	80.0	
1100	1092.00	113.68	-79.37	327.85	84.75	-98.81	0.81	113.68	298.79	80.9	
1150	1141.11	121.88	-79.03	329.29	82.74	-104.49	0.22	121.88	300.98	80.9	
1200	1190.22	130.25	-79.22	329.75	70.87	-109.28	0.10	130.25	302.97	81.7	
1250	1239.35	138.30	-79.38	332.43	3	79.00	-113.76	0.26	138.50	304.78	81.7
1300	1288.45	146.82	-78.92	334.55	2	87.42	-117.96	0.31	146.82	306.54	81.7
1350	1337.53	155.22	-78.97	337.98	3	96.19	-121.82	0.33	155.22	308.30	82.6
1400	1386.63	163.34	-79.24	341.84	4	105.06	-126.07	0.39	163.34	310.03	82.6
1450	1435.74	171.25	-79.11	344.92	3	114.05	-127.76	0.30	171.25	311.76	82.6
1500	1484.83	179.03	-79.00	350.16	6	123.31	-129.79	0.50	179.03	313.63	83.5
1550	1533.91	186.72	-78.98	351.50	1	132.74	-131.31	0.13	186.72	315.31	84.4
1600	1582.99	194.41	-78.01	353.41	2	142.20	-132.57	0.18	194.41	317.01	83.2
1650	1632.07	202.30	-78.03	350.07	3	151.82	-133.93	0.32	202.30	318.54	94.0
1700	1681.04	210.76	-77.82	354.78	4	161.84	-135.24	0.85	210.76	320.08	94.9
1750	1729.87	219.58	-77.49	355.07	1	172.37	-136.19	0.07	219.58	321.69	96.7
1800	1778.76	228.65	-78.31	351.86	4	182.78	-137.38	0.53	228.65	323.07	98.4
1850	1827.74	237.44	-78.55	353.08	2	192.72	-138.69	0.17	237.44	324.26	
1860	1837.54	230.17	-78.80	353.67	2	194.69	-138.82	0.11	238.17	324.49	

Survey File: RS 474

VERTICAL PROJECTION

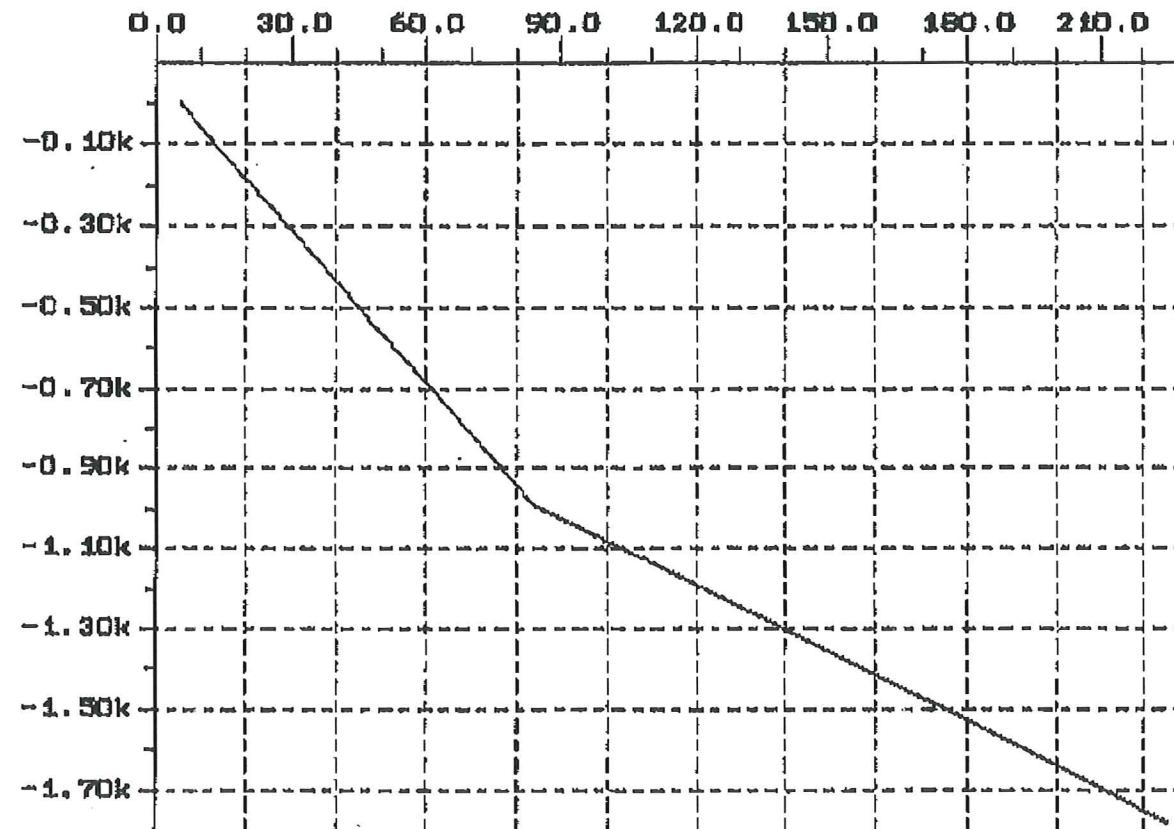
Time: 11:26:33

Customer: NEWMONT

Section direction: 325.7

Date: 8-15-99

Starting from 5.6 E/W -7.4 N/S



Horiz Data Max: 225.1

Vart Data Max: 0.0

Horiz Data Min: 5.6

(scale in feet)

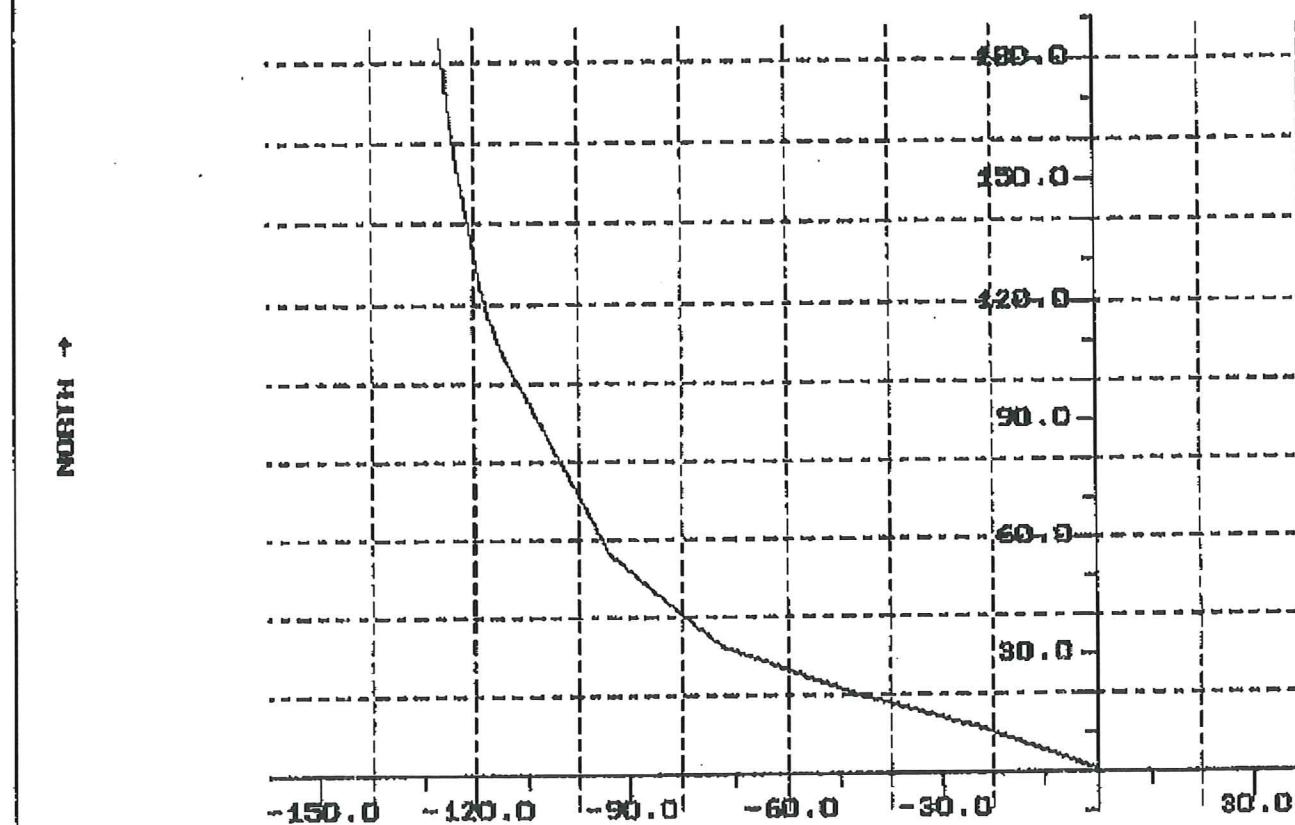
Vart Data Min: -1779.1

Survey File: RS 474
Customer: NEWMONT

HORIZONTAL PROJECTION

starting from 0.0 E/N 0.0 N/S
Bottom closure direction: 325.7

Time: 11:26:38
Date: 8-15-99



E/N Data Max: 1.0
E/N Data Min: -127.0

(scale in feet)

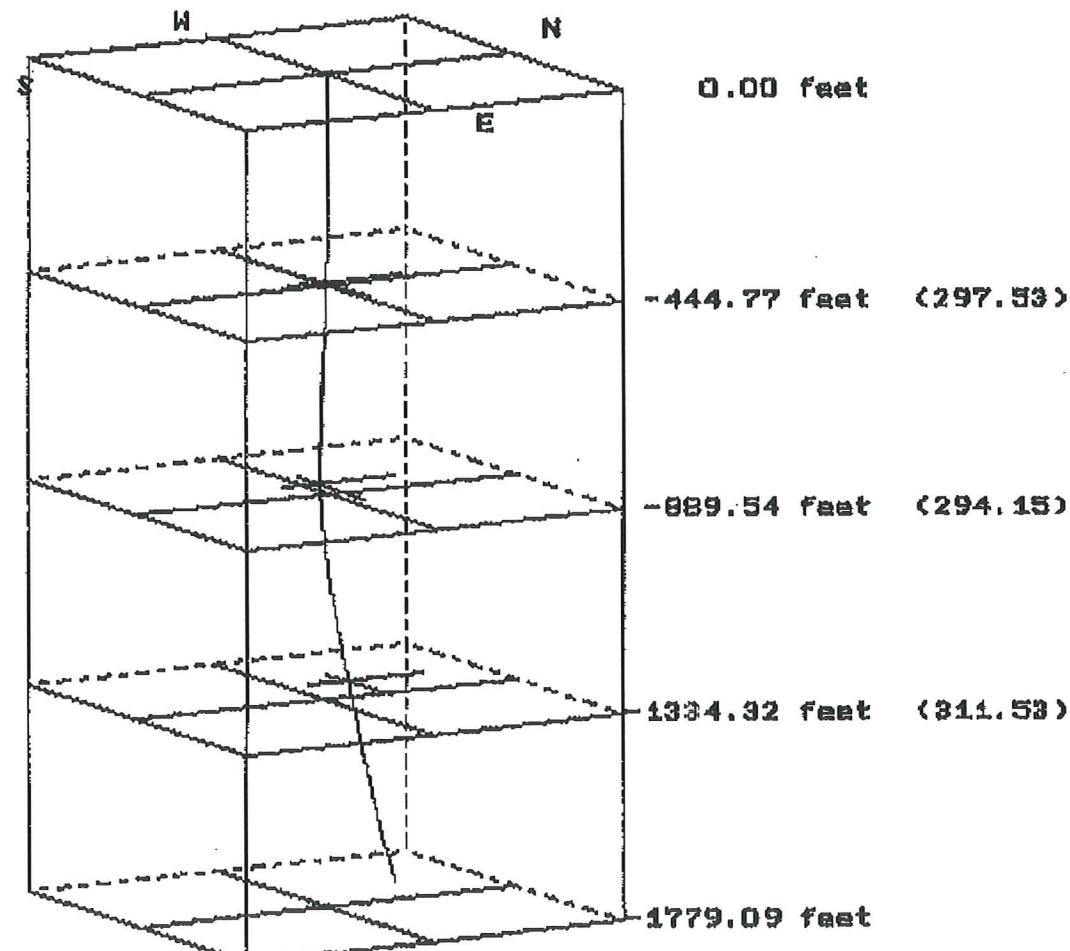
N/S Data Max: 185.9
N/S Data Min: -0.2

AUG-17-99 06:48
AUG-17-99 06:46 FROM: NGC DRILL SRV
FRUM : DDS BM OFFICE

P.06 R-608 Job-230
ID: 7756354291 PAGE 6/6
PHONE NO. : 702 635 3224 Aug. 16 1999 10:11AM PS

Survey File: RS474
Customer: NEWMONT
Date: 8-15-99
Time: 11:26:33

3D PROJECTION



NEWMONT GOLD COMPANY LONE TREE COMPLEX

FACSIMILE TRANSMITTAL SHEET

TO: Randy Vance FROM: Drilling Services
COMPANY: Newmont Exp DATE: 8/17/99
FAX NUMBER: 625-5655 TOTAL NO. OF PAGES INCLUDING COVER: 6
PHONE NUMBER: 625-5613 SENDER'S REFERENCE NUMBER: 775-635-4291
RE: 775-635-4315 YOUR REFERENCE NUMBER: 775-635-4315

URGENT FOR REVIEW PLEASE COMMENT PLEASE RECYCLE

NOTES/COMMENTS:

Survey for RS. 474

Jesse

CUSTOMER: NEWMONT GOLD COMPANY
 MINE SITE: ROSEBUD
 HOLE NO.: RS 474
 DATE: 9/23/99



SILVER STATE
SURVEYS, INC.

Survey Certified By

Steve Lantaigne

PROJECTED DEPTH:-

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES		DOGLEG 50/FT	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) 702 635 3224
					N+S. (FEET)	E+W. (FEET)				
0	0.00	0.00	-88.81	91.63	0.00	0.00	0.00	0.00	0.00	69.4
50	49.99	0.77	-89.30	132.75	-0.22	0.74	0.81	0.77	106.61	69.4
100	99.99	1.20	-89.21	188.49	-0.77	0.91	0.70	1.20	130.13	69.4
150	149.98	1.41	-87.97	250.60	-1.41	0.03	1.80	1.41	178.93	70.3
200	199.93	2.62	-87.16	273.58	-1.63	-2.05	1.26	2.62	231.58	70.3
250	249.85	4.90	-86.36	289.07	-1.03	-4.79	1.17	4.90	257.85	70.3
300	299.74	7.93	-85.83	295.32	0.27	-7.93	0.11	7.93	271.92	71.2
350	349.57	11.74	-84.87	297.69	2.08	-11.55	0.49	11.74	280.22	71.2
400	399.34	16.42	-84.07	294.88	4.21	-15.87	0.42	16.42	284.85	72.1
450	449.06	21.63	-83.80	296.29	6.49	-20.64	0.15	21.63	287.46	72.1
500	498.76	27.00	-83.77	296.21	8.88	-25.49	0.03	27.00	289.21	73.0
550	548.45	32.54	-83.41	297.03	11.39	-30.48	0.37	32.54	290.48	73.0
600	598.12	38.22	-83.44	298.66	14.06	-35.54	0.02	38.22	291.58	73.0
650	647.78	44.05	-83.11	294.28	16.66	-40.78	0.30	44.05	292.22	73.8
700	697.36	50.47	-82.12	288.97	19.01	-46.76	0.60	50.47	292.12	74.7
750	746.85	57.64	-81.39	289.82	21.39	-53.52	0.37	57.64	291.79	74.7
800	796.26	65.26	-81.07	291.80	24.10	-60.64	0.22	65.26	291.67	75.6

CUSTOMER: NEWMONT GOLD COMPANY
 MINE SITE: ROSEBUD
 HOLE NO.: RS 474
 DATE: 9/23/99



SILVER STATE
SURVEYS, INC.

Survey Certified By

Steve Lantaigne

PROJECTED DEPTH:-

MEAS DEPTH (FEET)	TRUE DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH) (DEG)	RECTANGULAR COORDINATES		DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
					N+S: (FEET)	E-W: (FEET)				
850	845.66	73.00	-81.05	298.65	27.41	-67.66	0.53	73.00	292.05	75.6
900	895.04	80.75	-80.96	301.29	31.31	-74.43	0.21	80.75	292.82	76.5
950	944.39	88.66	-80.49	306.45	35.81	-81.11	0.48	88.66	293.82	77.3
1000	993.66	96.91	-79.94	310.10	41.07	-87.77	0.41	96.91	295.08	77.3
1050	1042.85	105.38	-79.38	319.03	47.36	-94.13	0.85	105.38	296.71	80.0
1100	1092.00	113.66	-79.37	327.85	54.75	-99.61	0.81	113.66	298.79	80.9
1150	1141.11	121.88	-79.03	329.29	62.74	-104.49	0.22	121.88	300.98	80.9
1200	1190.22	130.25	-79.22	329.75	70.87	-109.28	0.10	130.25	302.97	81.7
1250	1239.35	138.50	-79.38	332.43	79.00	-113.76	0.26	138.50	304.78	81.7
1300	1288.45	146.82	-78.92	334.55	87.42	-117.96	0.31	146.82	306.54	81.7
1350	1337.53	155.22	-78.97	337.98	96.19	-121.82	0.33	155.22	308.30	82.6
1400	1386.63	163.34	-79.24	341.84	105.06	-125.07	0.39	163.34	310.03	82.6
1450	1435.74	171.25	-79.11	344.92	114.05	-127.75	0.30	171.25	311.76	82.6
1500	1484.83	179.03	-79.00	350.18	123.31	-129.79	0.50	179.03	313.53	83.5
1550	1533.91	186.72	-78.98	351.50	132.74	-131.31	0.13	186.72	315.31	84.4
1600	1582.99	194.41	-79.01	353.41	142.20	-132.57	0.18	194.41	317.01	83.2
1650	1632.07	202.30	-79.03	350.07	151.62	-133.93	0.32	202.30	318.54	84.0

CUSTOMER: NEWMONT GOLD COMPANY
 MINE SITE: ROSEBUD
 HOLE NO.: RS 474
 DATE: 9/23/99



SILVER STATE
SURVEYS, INC.

Survey Certified By

Steve Lantagne

PROJECTED DEPTH--:

MEAS DEPTH (FEET)	TRUE DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES		DOGLEG 50/FT	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
					N/S (FEET)	E-NW (FEET)				
1700	1681.04	210.76	-77.62	354.78	161.64	-135.24	0.85	210.76	320.08	94.9
1750	1729.87	219.68	-77.49	355.07	172.37	-136.19	0.07	219.68	321.69	96.7
1800	1778.78	228.65	-78.31	351.88	182.78	-137.38	0.53	228.65	323.07	98.4
1850	1827.67	237.89	-77.79	348.98	192.98	-139.10	0.40	237.89	324.22	102.0
1900	1876.52	247.69	-77.52	347.64	203.45	-141.27	0.20	247.69	325.22	104.6
1950	1925.30	257.85	-77.16	347.71	214.16	-143.61	0.18	257.85	326.15	104.6
2000	1974.05	268.24	-77.17	346.69	224.99	-146.07	0.11	268.24	327.01	107.2
2050	2022.85	278.56	-77.82	346.11	235.59	-148.63	0.23	278.56	327.75	109.0
2100	2071.68	288.88	-77.34	345.62	246.10	-151.28	0.15	288.88	328.42	108.1
2150	2120.47	299.26	-77.67	344.54	256.55	-154.06	0.20	299.26	329.01	111.6
2200	2169.34	309.50	-77.83	344.18	266.77	-156.92	0.09	309.50	329.53	112.5
2230	2198.67	315.57	-78.05	344.06	272.80	-158.64	0.14	315.57	329.82	113.4

HORIZONTAL PROJECTION

Survey File: RS-474

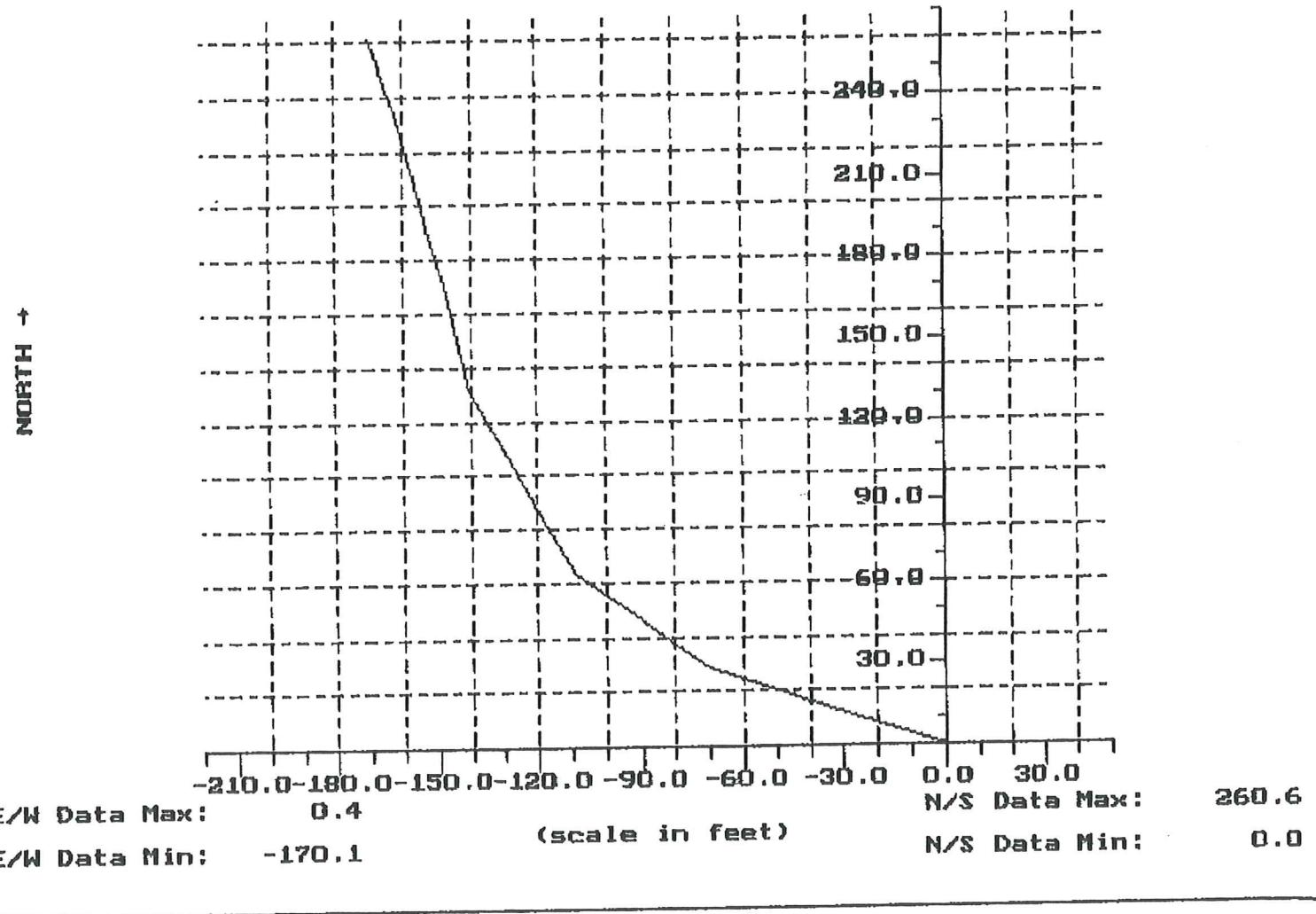
Starting from 0.0 E/W 0.0 N/S

Time: 05:51:43

Customer: NEWMONT GOLD CO

Bottom closure direction: 326.9

Date: 9-23-99



VERTICAL PROJECTION

Survey File: RS-474

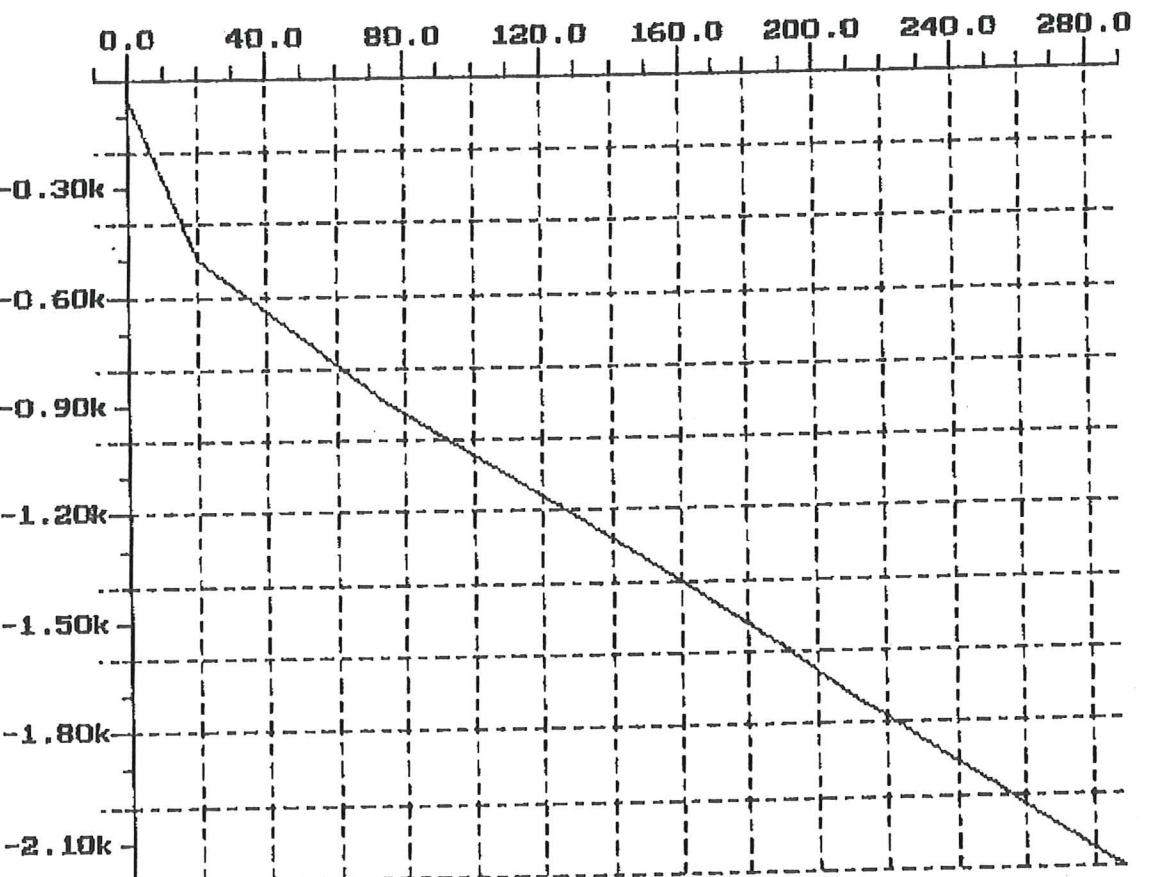
Time: 05:51:43

Customer: NEWMONT GOLD CO

Section direction: 305.0

Date: 9-23-99

Starting from 0.0 E/W 0.0 N/S



Horiz Data Max: 288.8

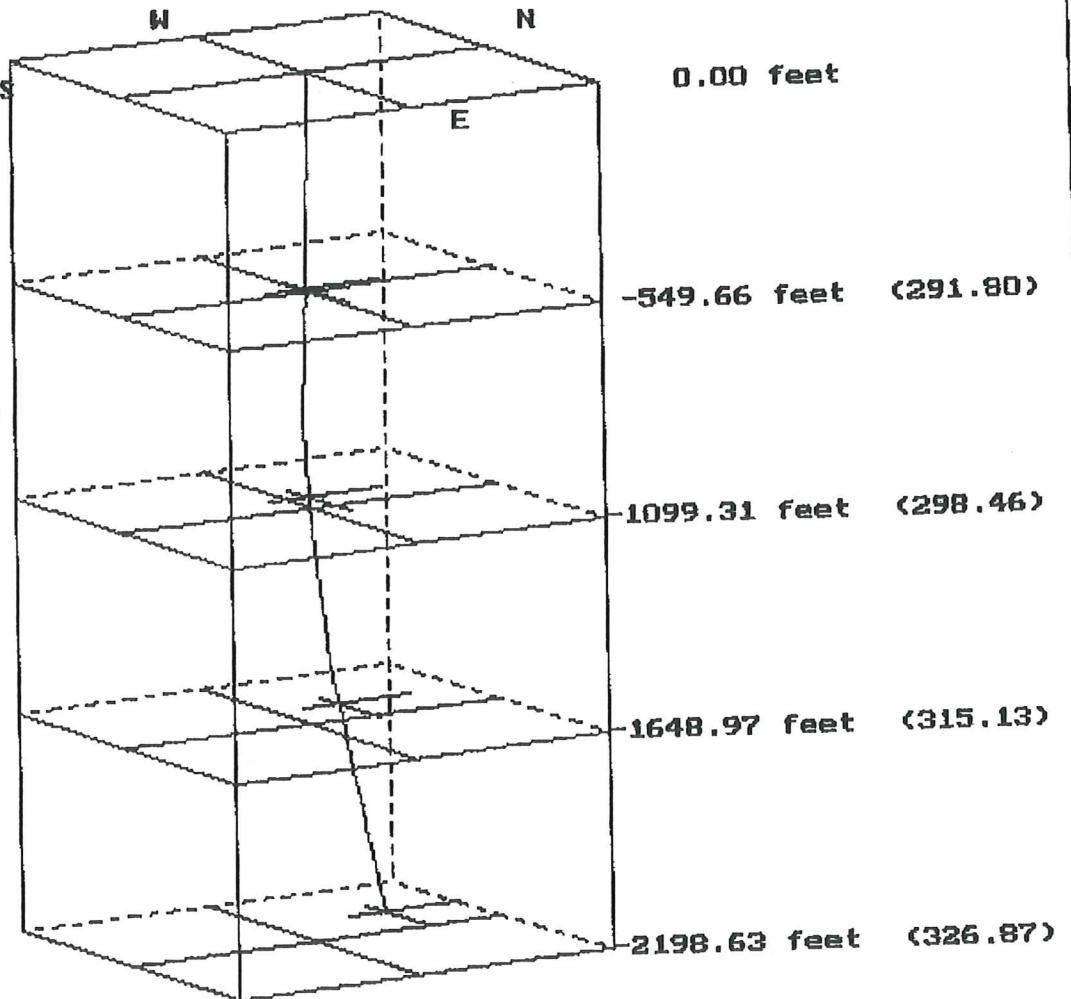
Vert Data Max: 0.0

Horiz Data Min: -0.3

Vert Data Min: -2198.6

(scale in feet)

3D PROJECTION



Newmont Gold Company

GEOLOGY DEPARTMENT WINNEMUCCA EXPLORATION

861 West 6th Street
Winnemucca, NV 89445
Tel 702/623-3493
Fax 702/625-5655

FAX COVER SHEET

TO: David Williams, Barringer Labs FAX: 775-828-1263

FROM: Randy Vane

DATE: 8/30/99

TIME: _____

Total Number of Pages including this page: 1

MESSAGE: Re: Job # 993208R (RS-474)

Please retrieve the coarse reject for 1850-1855 and make
a new pulp using the Rosebud mine prep procedure. Assay
using A 30g FA+Grav. Also, please repeat Assay the
existing pulp using a 30g FA+Grav finish.

*Thanks,
Randy*

If all pages are not received in legible condition, please call 702/625-5600

Newmont Mining Corp. - Rosebud
Winnemucca, Nevada

Memorandum

To: Rich
Barringer Laboratories, Inc.
via Fax: 775-828-1263

Date: September 3, 1999

Fr: Randy Vance

Subj: Geochemical Analyses for Pending Rosebud Drill Holes

I spoke with David Williams today and clarified the rate quotes for the various analytical choices. You asked me the other day to provide instructions on proceeding with the drill holes that were put on hold.

<u>Hole</u>	<u>Depth</u>	<u>Instruction</u>
RS-473	0-1345	Aqua/ICP on 20 foot composites: If not already done, composite original pulps to 0-20, 20-40, etc., 1320-1340'
RS-474	0-1860	Aqua/ICP on 20 foot composites: If not already done, composite original pulps to 0-20, 20-40, etc., 1820-1840 , then individually run 1840-45, 1845-50, 1850-55, and 1855-60'.
RS-475	0-1600	Instructions to follow



BARRINGER LABORATORIES, INC.

RENO, NEVADA, U.S.A., 5301 Longley Lane, Bldg. E, Reno, NV, 89511, TEL: 702-828-1158, FAX: 702-828-1263

Post-it™ Fax Note	7671	Date	8/16/99	# of pages	1
To	Barringer	From	Randy Vance		
Co./Dept.		Co.	Newmont		
Phone #		Phone #	625-5613		
Fax #	775-828-1263	Fax #			

BARRINGER de COLOMBIA
Calle 80 Sur N. 47D-65, L-106
Sabaneta, Colombia
TEL (574) 301-0704

McCLELLAND/BARRINGER
LABORATORIOS HONDURAS
Kilometro 5,
Boulevard Suyapa
Tegucigalpa, M.D.C., Honduras
TEL (011-50-4) 231-1841

Hermosillo, Sonora, Mexico C.P. 83210
TEL/FAX (011-52-6) 261-0415

Nicaragua, Nicaragua
TEL (011-50-5) 883-0778

Work Order #	
Date Received	
Purchase Order #	
Project #	
Date Shipped	
Shipped Via	
# of Cartons	
# of Samples	

Geochemical Laboratory Instruction Sheet

Copy of Results:	Results And Invoice To:
Randy Vance Newmont Mining Corp 861 W. 6th St Winnemucca NV 89445	Charlotte Ballou (same)
	AUTHORITY:

No. of Samples	Sample Type	List of Sample Numbers	Elements Requested
372	RC	RS-474 0-1860' (5, 10, 15, etc.)	Au: 1AT FA/AA and NGC 30 element ICP TOTAL digestion
4	pulps	400B, 800B, 1200B, 1600B	
			<i>Put on hold until further notice</i>

COARSE REJECT (Free storage for 30 days)

- Return/collect after analysis
- Return/collect after 30 days
- Discard after 30 days

IF NOT MARKED, REJECT DISCARDED AFTER 30 DAYS

PULP (Free storage for 6 months)

- Return/collect after analysis
- Return/collect at 6 months
- Discard at 6 months

IF NOT MARKED, PULP IS DISCARDED AFTER 6 MONTHS

**COARSE REJECTS/PULPS WILL BE DISCARDED
UNLESS OTHERWISE REQUESTED**

Au - GOLD METHOD

- Fire Assay/A.A.
- Fire Assay/Gravimetric
- NaCN/A.A.

RESULTS REPORTED IN:

- | | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> ppb | <input type="checkbox"/> PPM |
| <input checked="" type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

TRACE ELEMENT METHOD

- Wet Chem./A.A.
- Wet Chem./ICP

RESULTS REPORTED IN:

- | | |
|-------------------------------|------------------------------------|
| <input type="checkbox"/> ppm | <input type="checkbox"/> Percent % |
| <input type="checkbox"/> oz/T | <input type="checkbox"/> grams/T |

ADDITIONAL INSTRUCTIONS:

BARRINGER LABORATORIES, INC.

RENO, NEVADA, U.S.A., 5301 Longley Lane, Bldg. E, Reno, NV, 89511, TEL: 702-828-1158, FAX: 702-828-1263

BARRINGER LABORATORIOS
de MEXICO, S.A. de C.V.
Carretera Panamericana, KM 10445
Durango, Durango, Mexico C.P. 34030
TEL/FAX (52)(18) 12-00-52

BARRINGER LABORATORIOS
de MEXICO, S.A. de C.V.
Bvd. Garcia Morales 829-A, Bodega #2
Colonia La Manga
Hermosillo, Sonora, Mexico C.P. 83210
TEL/FAX (011-52-6) 261-0415

BARRINGER LABORATORIES
del PERU S.A.
Avenida Domingo Orué 489
Surquillo, Lima 34, Peru
TEL (011-51-1) 222-2801
FAX (011-51-1) 442-7195

BARRINGER LABORATORIES
NICARAGUA
COMPLEJO OCAL
Km 7.5 Carretera Norte
Managua, Nicaragua
TEL (011-50-5) 883-0778

BARRINGER de COLOMBIA
Calle 80 Sur N. 47D-65, L-106
Sabaneta, Colombia
TEL (574) 301-0704

MCCLELLAND/BARRINGER
LABORATORIOS HONDURAS
Kilometro 5,
Boulevard Suyapa
Tegucigalpa, M.D.C., Honduras
TEL (011-50-4) 231-1841

Work Order #	_____
Date Received	_____
Purchase Order #	_____
Project #	_____
Date Shipped	_____
Shipped Via	_____
# of Cartons	_____
# of Samples	_____

Geochemical Laboratory Instruction Sheet

Copy of Results:	Results And Invoice To:
Randy Vance Newmont Mining Corp 861 W, 6th St Winnemucca NV 89445	Charlotte Ballou (same)

AUTHORITY:

No. of Samples	Sample Type	List of Sample Numbers	Elements Requested
372	RC	RS-474 0-1860' (5, 10, 15, etc.)	Au: 1AT FA/AA and NGC 30 element ICP
4	pulps	400B, 800B, 1200B, 1600B	TOTAL digestion
RS-474 MS-2 (RMG1)	RS 474 MS-3 (RMG1)	RS-474 MS-2 (RMG1)	RS-474 MS-3 (RMG1)
400.0B	800.0B	1200.0B	1600.0B

COARSE REJECT (Free storage for 30 days)

- Return/collect after analysis
- Return/collect after 30 days
- Discard after 30 days

IF NOT MARKED, REJECT DISCARDED AFTER 30 DAYS

PULP (Free storage for 6 months)

- Return/collect after analysis
- Return/collect at 6 months
- Discard at 6 months

IF NOT MARKED, PULP IS DISCARDED AFTER 6 MONTHS

COARSE REJECTS/PULPS WILL BE DISCARDED
UNLESS OTHERWISE REQUESTED

Au - GOLD METHOD

- Fire Assay/A.A.
- Fire Assay/Gravimetric
- NaCN/A.A.

RESULTS REPORTED IN:

- ppb
- PPM
- oz/T
- grams/T

TRACE ELEMENT METHOD

- Wet Chem./A.A.
- Wet Chem./ICP

RESULTS REPORTED IN:

- ppm
- Percent %
- oz/T
- grams/T

ADDITIONAL INSTRUCTIONS:

CUSTOMER: NEWMONT GOLD COMPANY
 MINE SITE: ROSEBUD
 HOLE NO.: RS474
 DATE: 8/11/99



Survey Certified By

Ryan Kellner

PROJECTED DEPTH: N/A

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+S (FEET)	E+W (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR. (DEG)	HOLE TEMP (F) (DEG)
0	0.00	0.00	-88.81	91.63	0.00	0.00	0.00	0.00	0.00	69.4
50	49.99	0.77	-89.30	132.75	-0.22	0.74	0.81	0.77	106.61	69.4
100	99.99	1.20	-89.21	188.49	-0.77	0.91	0.70	1.20	130.13	69.4
150	149.98	1.41	-87.97	250.60	-1.41	0.03	1.80	1.41	178.93	70.3
200	199.93	2.62	-87.16	273.58	-1.63	-2.05	1.26	2.62	231.58	70.3
250	249.85	4.90	-86.36	289.07	-1.03	-4.79	1.17	4.90	257.85	70.3
300	299.74	7.93	-85.83	295.32	0.27	-7.93	0.11	7.93	271.92	71.2
350	349.57	11.74	-84.87	297.69	2.08	-11.55	0.49	11.74	280.22	71.2
400	399.34	16.42	-84.07	294.88	4.21	-15.87	0.42	16.42	284.85	72.1
450	449.06	21.63	-83.80	296.29	6.49	-20.64	0.15	21.63	287.46	72.1
500	498.76	27.00	-83.77	296.21	8.88	-25.49	0.03	27.00	289.21	73.0
550	548.45	32.54	-83.41	297.03	11.39	-30.48	0.37	32.54	290.48	73.0
600	598.12	38.22	-83.44	298.66	14.06	-35.54	0.02	38.22	291.58	73.0
650	647.78	44.05	-83.11	294.28	16.66	-40.78	0.30	44.05	292.22	73.8
700	697.36	50.47	-82.12	288.97	19.01	-46.76	0.60	50.47	292.12	74.7
750	746.85	57.64	-81.39	289.82	21.39	-53.52	0.37	57.64	291.79	74.7
800	796.26	65.26	-81.07	291.80	24.10	-60.64	0.22	65.26	291.67	75.6
850	845.66	73.00	-81.05	298.65	27.41	-67.66	0.53	73.00	292.05	75.6
900	895.04	80.75	-80.96	301.29	31.31	-74.43	0.21	80.75	292.82	76.5
950	944.39	88.66	-80.49	306.45	35.81	-81.11	0.48	88.66	293.82	77.3
1000	993.66	96.91	-79.94	310.10	41.07	-87.77	0.41	96.91	295.08	77.3
1050	1042.85	105.38	-79.38	319.03	47.36	-94.13	0.85	105.38	296.71	80.0
1100	1092.00	113.66	-79.37	327.85	54.75	-99.61	0.81	113.66	298.79	80.9
1150	1141.11	121.88	-79.03	329.29	62.74	-104.49	0.22	121.88	300.98	80.9

CUSTOMER_____ : NEWMONT GOLD COMPANY
 MINE SITE_____ : ROSEBUD
 HOLE NO._____ : RS474
 DATE_____ : 8/11/99



===== Survey Certified By =====

Ryan Kellner

PROJECTED DEPTH-: N/A

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+S- (FEET)	E+N- (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
1200	1190.22	130.25	-79.22	329.75	70.87	-109.28	0.10	130.25	302.97	81.7
1250	1239.35	138.50	-79.38	332.43	79.00	-113.76	0.26	138.50	304.78	81.7
1300	1288.45	146.82	-78.92	334.55	87.42	-117.96	0.31	146.82	306.54	81.7
1350	1337.53	155.22	-78.97	337.98	96.19	-121.82	0.33	155.22	308.30	82.6
1400	1386.63	163.34	-79.24	341.84	105.06	-125.07	0.39	163.34	310.03	82.6
1450	1435.74	171.25	-79.11	344.92	114.05	-127.75	0.30	171.25	311.76	82.6
1500	1484.83	179.03	-79.00	350.18	123.31	-129.79	0.50	179.03	313.53	83.5
1550	1533.91	186.72	-78.98	351.50	132.74	-131.31	0.13	186.72	315.31	84.4

VERTICAL PROJECTION

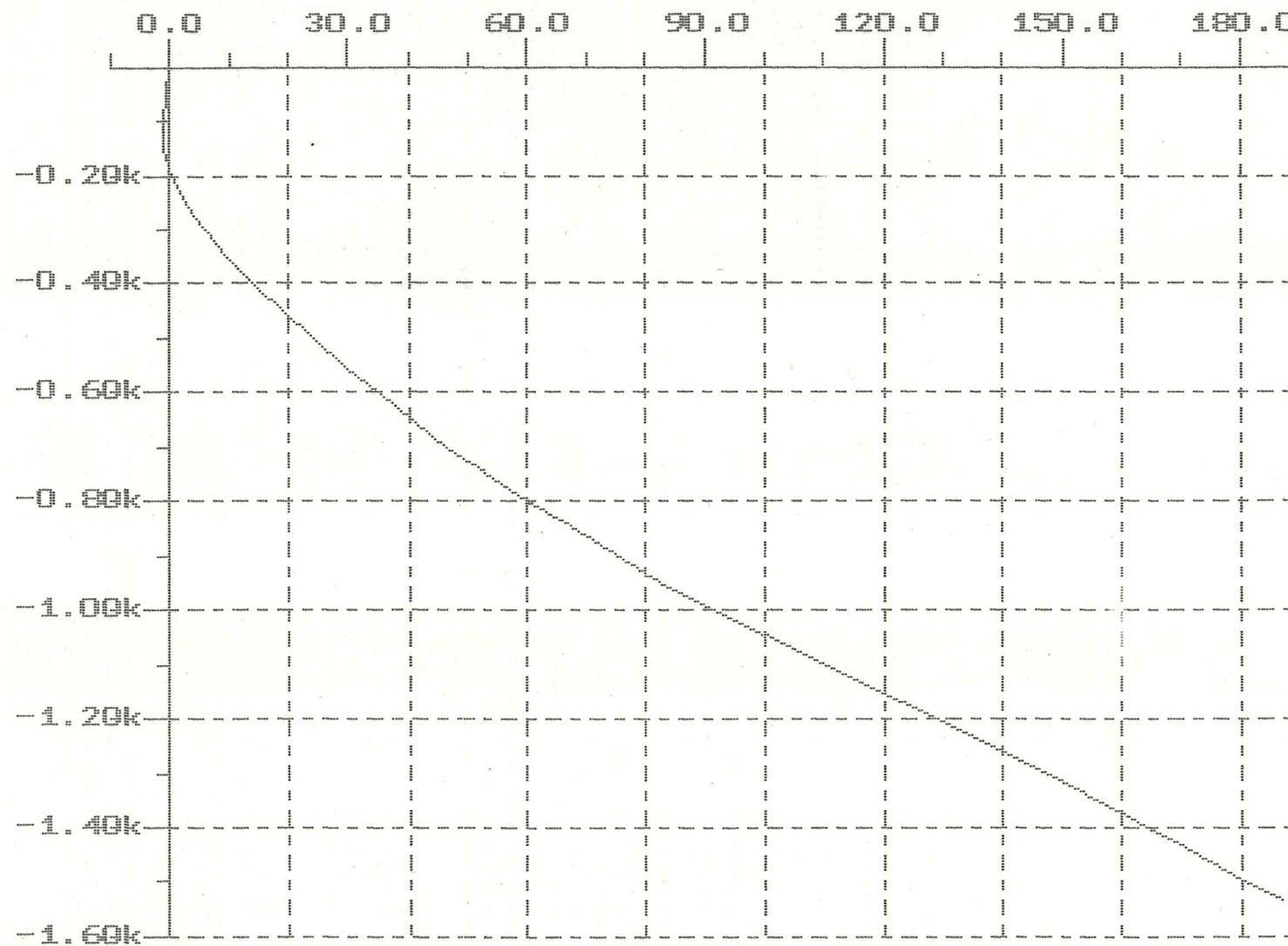
Survey File: RS474

Time: 00:00:53

Customer: NEWMONT

Date: 1-1-90

Starting from 0.0 E/W 0.0 N/S



Horiz Data Max: 186.7

Vert Data Max: 0.0

Horiz Data Min: -1.2

Vert Data Min: -1533.9

(scale in feet)

Survey File: RS 474

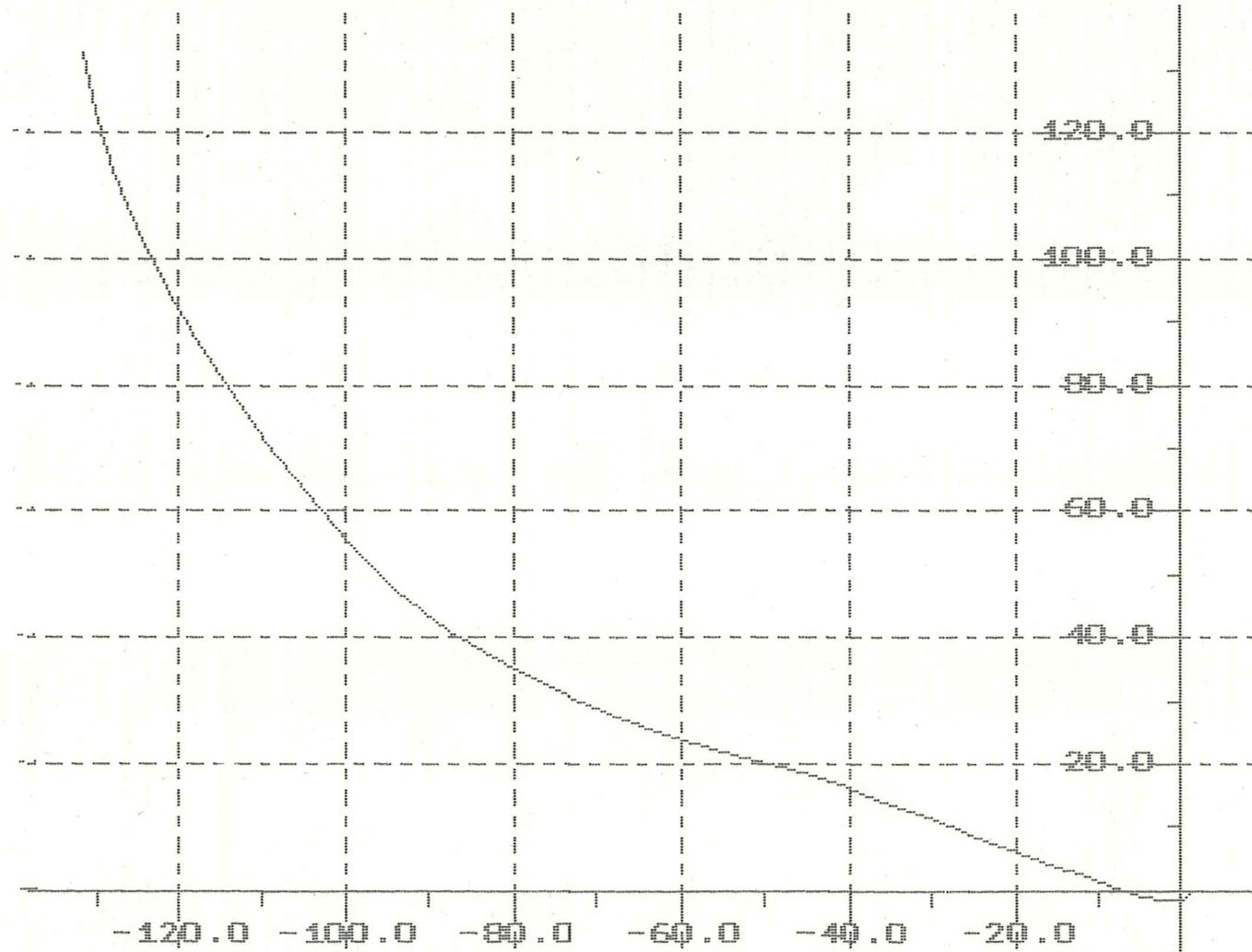
Customer: NEWMONT

HORIZONTAL PROJECTION

Starting from 0.0 E/W 0.0 N/S
Bottom closure direction: 315.3

Time: 00:00:53

Date: 1-1-90

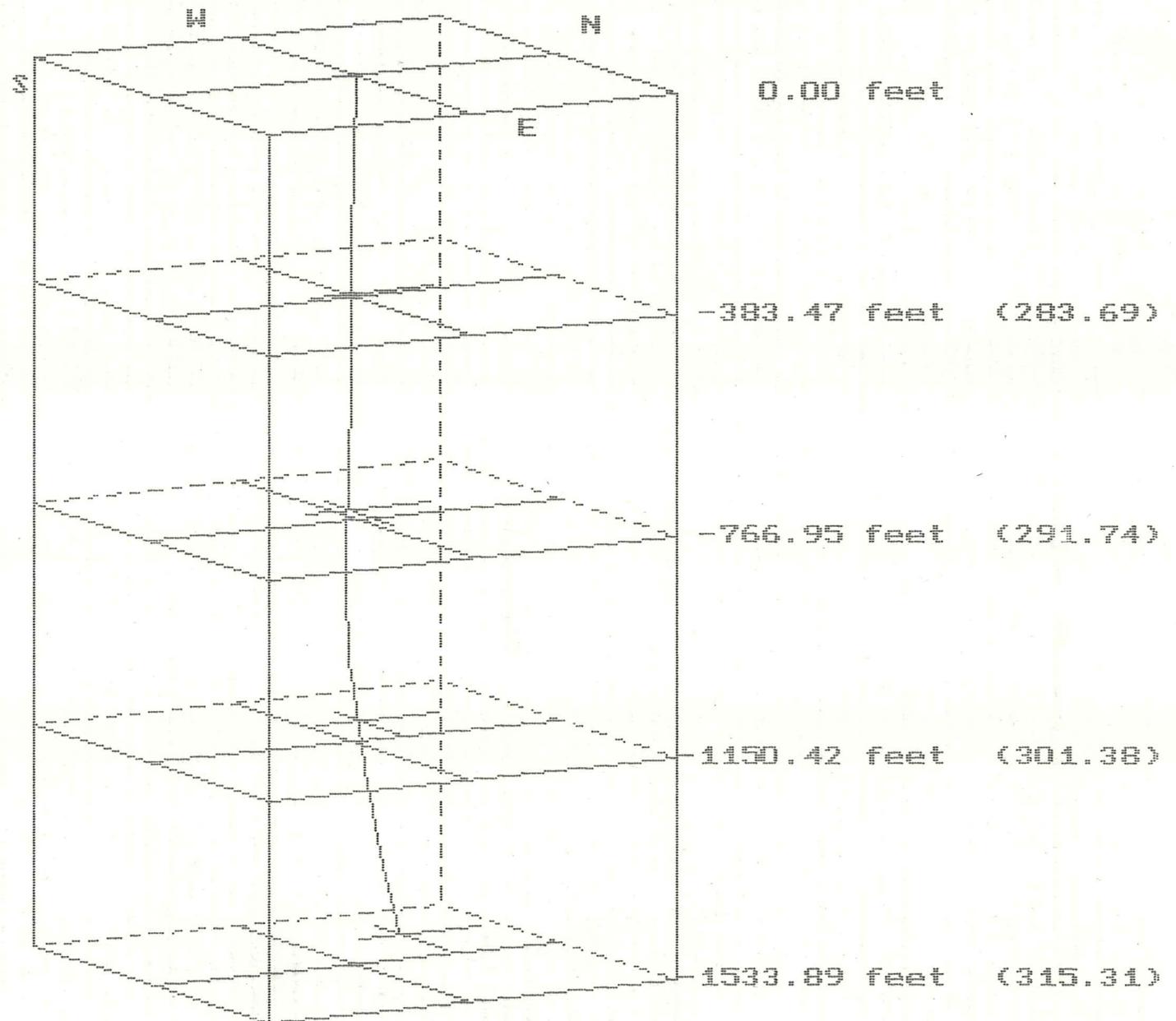


E/W Data Max: 0.9
E/W Data Min: -131.3

(scale in feet)

N/S Data Max: 132.7
N/S Data Min: -1.6

3D PROJECTION



Survey File: RS474
Customer: NEWMONT
Date: 4- 1-90
Time: 00:00:53

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date 8-4-99 Shift Day
Drill # 46 Water Trk. # 44
Pickup # 45 ATV #
Booster # 44 Hours Used
Aux. Comp. # Hours Used
Hole # RS460 (Angle Vertical) (TD @ 474)
(Use a New Log When You Start a New Hole)
Hours Equipment Repair
Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code

CONDITION CODE
1. Clay
2. Swelling Clay
3. Alluvium
4. Fractured Ground
5. Abrasive Rock

6. Hard Rock
7. Cavities
8. Caving Ground
9. Encountered Water
10. Hammer Drilling
11. Rock Bit Drilling

Comments: 3 hrs Standby
lightning storm and
then fires, evacuate
equipment down to mine.

Location Roseland
Footage End Shift 60
Footage Start Shift 0
Footage Drilled 60
Hours Drilled 2
Hours Hauling Water During Shift # of loads
Hours Hauling Water After Shift # of loads
Hours Casing 5 pull and set Hours Cementing
Hours Hole Abandonment
Actual Hours Moving Between Holes 2
Hours Standby 3 Hours Cat Work
Hours Other Total Hours 12
(Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)				
Size	Type	Hole #	Ser. #	Manuf.
6"	PR54	RS474	LB10	Premier
5 3/8"	Schroubd			
1	wiper rubber			

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #
Abandonite	28	50lb	460
Cement	2	94lb	

CASING

Size	Type	Hole #
.188x16" x 14'		474
2	casing seal	
1	Cement	

(Circle All Items Chargeable To Client)

Driller Don School

Helper Carl Herron

Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
 Date 8-5-99 Shift Day
 Drill # 46 Water Trk. # 44
 Pickup # 45 ATV #
 Booster # 111 Hours Used 12
 Aux. Comp. # Hours Used
 Hole #RS474 (Angle /Vertical) (TD @ 5')
 (Use a New Log When You Start a New Hole)
 Hours Equipment Repair
 Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code
<u>600</u>	<u>700</u>	<u>RS474 - ✓</u>
		<u>1,4,5,6,9,10</u>
		<u>1/20 @ 5.5 API</u>
		<u>10 gpm</u>
		<u>45-50 gpm by end of day</u>

CONDITION CODE
 1. Clay
 2. Swelling Clay
 3. Alluvium
 4. Fractured Ground
 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments:

Location Rosebud
 Footage End Shift 700
 Footage Start Shift 60
 Footage Drilled 640
 Hours Drilled 12
 Hours Hauling Water During Shift # of loads
 Hours Hauling Water After Shift # of loads
 Hours Casing Hours Cementing
 Hours Hole Abandonment
Actual Hours Moving Between Holes
 Hours Standby Hours Cat Work
 Hours Other Total Hours 12
 (Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #
<u>Tacum</u>	<u>1</u>	<u>5gal</u>	<u>474</u>

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don Schow

Helper Carl Herron

Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
 Date 8-6-99 Shift 0AM
 Drill # 46 Water Trk. # 44
 Pickup # 45 ATV # (4)
 Booster # 111 Hours Used (4)
 Aux. Comp. # Hours Used _____
 Hole # RS474 (Angle Vertical) (TD @ 1000 ft)
 (Use a New Log When You Start a New Hole)
 Hours Equipment Repair 1
 Mob./Demob. Miles Hours _____

Hole Condition Log

From	To	Condition/Code
<u>700</u>	<u>900</u>	<u>RS474</u>
		<u>1,4,5,6,9,10,11</u>
		<u>H2O (~ 100gpm)</u>
		<u>960</u>

CONDITION CODE

- 1. Clay
- 2. Swelling Clay
- 3. Alluvium
- 4. Fractured Ground
- 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: make BT trip
to 820', Put used
 Jurnal Boiling on.

Location Rosebud
 Footage End Shift 960
 Footage Start Shift 700
 Footage Drilled 260
 Hours Drilled 9 1/2
 Hours Hauling Water During Shift # of loads _____
 Hours Hauling Water After Shift # of loads _____
 Hours Casing Hours Cementing _____
 Hours Hole Abandonment _____
 Actual Hours Moving Between Holes _____
 Hours Standby Hours Cat Work _____
 Hours Other 1 1/2 hr Total Hours 12
 (Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)				
Size	Type	Hole #	Ser. #	Manuf.
<u>5 3/4</u>	<u>STD 34</u>	<u>RS474</u>		<u>Varvel</u>

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don Schwab
 Helper Cal Nason
 Helper Ruth Gray
 Approved By: _____

11

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date 8-7-99 Shift Day
Drill # 46 Water Trk. # 44
Pickup # 45 ATV # (4)
Booster # 111 Hours Used 8
Aux. Comp. # Hours Used
Hole # PS474 (Angle 0 Vertical) (TD @ 1160)
(Use a New Log When You Start a New Hole)
Hours Equipment Repair
Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code
<u>960</u>	<u>1160</u>	<u>PS474 -V</u>
		<u>1,4,6,11</u>
		<u>H2O @ 100gpm</u>

CONDITION CODE
1. Clay
2. Swelling Clay
3. Alluvium
4. Fractured Ground
5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments:

Location Rosebud

Footage End Shift 1160

Footage Start Shift 960

Footage Drilled 200

Hours Drilled 8

Hours Hauling Water During Shift # of loads

Hours Hauling Water After Shift # of loads

Hours Casing Hours Cementing

Hours Hole Abandonment

Actual Hours Moving Between Holes

Hours Standby Hours Cat Work

Hours Other Total Hours (8)
(Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don Schow

Helper Carl Ferron

Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date Sun 8-8-99 Shift DAY
Drill # 46 Water Trk. # 44
Pickup # 45 ATV # (12)
Booster # 111 Hours Used (12)
Aux. Comp. # Hours Used
Hole # RS474 (Angle Vertical) (TD @ (Use a New Log When You Start a New Hole))
Hours Equipment Repair _____
Mob./Demob. Miles _____ Hours _____

Hole Condition Log

From	To	Condition/Code
<u>1160</u>	<u>1330</u>	<u>RS474 - v</u> <u>1,5,6,11</u>
		<u>H2O @ 100 gpm</u>

CONDITION CODE

- 1. Clay
- 2. Swelling Clay
- 3. Alluvium
- 4. Fractured Ground
- 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: Drilling good all day. At 1300' rock got very hard and abrasive. Then at 1327' a little softer.

Location Rosebud
Footage End Shift 1330
Footage Start Shift 1160
Footage Drilled 170
Hours Drilled 12
Hours Hauling Water During Shift _____ # of loads _____
Hours Hauling Water After Shift _____ # of loads _____
Hours Casing _____ Hours Cementing _____
Hours Hole Abandonment _____

Actual Hours Moving Between Holes

Hours Standby _____ Hours Cat Work _____
Hours Other _____ Total Hours (12)
(Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #
Quik Gel	4	50lb	474
EZ mud	1	5gal	

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don School
Helper Carl Surron
Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date 8-9-99 Shift Day
Drill # 46 Water Trk. # 44
Pickup # 45 ATV # (12)
Booster # 111 Hours Used 12
Aux. Comp. # Hours Used
Hole # RS474 (Angle Vertical) (TD @ 150)
(Use a New Log When You Start a New Hole)
Hours Equipment Repair
Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code
<u>1330</u>	<u>1480</u>	<u>RS474-U</u>
		<u>5,6,11</u>
		<u>H2O @ 100 fpm</u>

CONDITION CODE
1. Clay
2. Swelling Clay
3. Alluvium
4. Fractured Ground
5. Abrasive Rock

6. Hard Rock
7. Cavities
8. Caving Ground
9. Encountered Water
10. Hammer Drilling
11. Rock Bit Drilling

Comments: ATTN. JAN.
Got 191 gal Diesel
From Rosebud mine.

Location Rosebud
Footage End Shift 1480
Footage Start Shift 1330
Footage Drilled 150
Hours Drilled 12
Hours Hauling Water During Shift # of loads
Hours Hauling Water After Shift # of loads
Hours Casing Hours Cementing
Hours Hole Abandonment
Actual Hours Moving Between Holes
Hours Standby Hours Cat Work (12)
Hours Other Total Hours (Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)				
Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)				
Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS				
Description	# of Sacks	Size	Hole #	
<u>Quik Gel</u>	<u>4</u>	<u>50lb</u>	<u>RS474</u>	
<u>PAK-R</u>	<u>1</u>	<u>50lb</u>		

ABANDONMENT MATERIALS				
Description	# of Sacks	Size	Hole #	

CASING				
Size	Type	Hole #		

(Circle All Items Chargeable To Client)

Driller Don Schow
Helper Carl Ferron
Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date 8-10-99 Shift DAY
Drill # 46 Water Trk. # 44
Pickup # 45 ATV # (10)
Booster # 111 Hours Used (10)
Aux. Comp. # Hours Used
Hole # RS474 (Angle Vertical) (TD@
(Use a New Log When You Start a New Hole)
Hours Equipment Repair
Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code
1480	1550	RS474 - v
		1, 5, 6, 11
		H2O @ 125 -
		150 gpm

CONDITION CODE

- 1. Clay
- 2. Swelling Clay
- 3. Alluvium
- 4. Fractured Ground
- 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: * 6 Clay Zone

@ 1555 - 1560

Thunder and
lightning storm directly
over head. Shut rig
down.

Location Roselbud

Footage End Shift 1580

Footage Start Shift 1480

Footage Drilled 100

Hours Drilled 10

Hours Hauling Water During Shift # of loads

Hours Hauling Water After Shift # of loads

Hours Casing Hours Cementing

Hours Hole Abandonment

Actual Hours Moving Between Holes

Hours Standby Hours Cat Work

Hours Other Total Hours (10)
(Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)				
Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS				
Description	# of Sacks	Size	Hole #	
Quic Gel	3	50 lb	RS474	
El mud	1	5 gal		

ABANDONMENT MATERIALS			
Description	# of Sacks	Size	Hole #

CASING		
Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don School

Helper Rich Gray

Helper

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
Date 8-11-99 Shift DAY
Drill # 46 Water Trk. # 44
Pickup # 45 ATV # (circle)
Booster # 111 Hours Used 7 1/2
Aux. Comp. # Hours Used
Hole # RS474 (Angle Vertical) (TD @ 1580)
(Use a New Log When You Start a New Hole)
Hours Equipment Repair _____
Mob./Demob. Miles _____ Hours _____

Hole Condition Log

From	To	Condition/Code
<u>1580</u>	<u>1660</u>	<u>RS474 - V</u>
		<u>5,6,11</u>
		<u>H2O @ 125-150</u>

CONDITION CODE
1. Clay
2. Swelling Clay
3. Alluvium
4. Fractured Ground
5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: ④ Survey hole
@ 1580'
Make Bit trip @ 1595' Use 55/8"
Jernal From RS467

Location Rosebud

Footage End Shift 1660

Footage Start Shift 1580

Footage Drilled 80

Hours Drilled 7 1/2

Hours Hauling Water During Shift # of loads _____

Hours Hauling Water After Shift # of loads _____

Hours Casing Hours Cementing _____

Hours Hole Abandonment _____

Actual Hours Moving Between Holes

Hours Standby 1 1/2 Survey Hours Cat Work _____

Hours Other 3 Trip Total Hours 12
(Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.
<u>2</u>	<u>wipers</u>			

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.
<u>55/8"</u>	<u>Jernal</u>	<u>RS467</u>	<u>141485</u>	<u>Jeral</u>

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Don School

Helper Carl Ferron

Helper Rich Gray

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
 Date 8-12-98 Shift 04
 Drill # 46 Water Trk. # 44
 Pickup # 45 ATV #
 Booster # 111 Hours Used (10)
 Aux. Comp. # Hours Used
 Hole # RS 474 (Angle Vertical) (TD @ 1860)
 (Use a New Log When You Start a New Hole)
 Hours Equipment Repair
 Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code
<u>1660</u>	<u>1860</u>	<u>RS 474 - V</u>
		<u>1,6,11</u>
		<u>1/20 @ 150 gpm</u>

CONDITION CODE

- 1. Clay
- 2. Swelling Clay
- 3. Alluvium
- 4. Fractured Ground
- 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: Drill to 1860

Panel decided to
case hole on Tuesday
mud hole up.

Location Roseland
 Footage End Shift 1860 ± 0
 Footage Start Shift 1660
 Footage Drilled 200
 Hours Drilled 10
 Hours Hauling Water During Shift # of loads
 Hours Hauling Water After Shift # of loads
 Hours Casing 1 mud up hole Hours Cementing
 Hours Hole Abandonment

Actual Hours Moving Between Holes

Hours Standby Hours Cat Work
 Hours Other Total Hours (11)
 (Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)				
Size	Type	Hole #	Ser. #	Manuf.
DRILL BITS (previously used and billed to client)				
Size	Type	Hole #	Ser. #	Manuf.
DRILLING MATERIALS				
Description	# of Sacks	Size	Hole #	
Quik Gel	3	50lb	474	
22 mud	1	55gal		
ABANDONMENT MATERIALS				
Description	# of Sacks	Size	Hole #	
Abandonite	18	50lb	474	
CASING				
Size	Type	Hole #		

(Circle All Items Chargeable To Client)

Driller Don Schuer
 Helper Carl Herron
 Helper Rich Gray
 Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 • Elko, Nevada 89803
Ph: (775) 738-1980 • Fax: (775) 753-9229

Client Newmont
 Date TU 8-17-99 Shift 0M
 Drill # 46 Water Trk. # 44
 Pickup # 45 ATV #
 Booster # 31 Hours Used
 Aux. Comp. # Hours Used
 Hole # RSY14 (Angle Vertical) (TD@ 1860)
 (Use a New Log When You Start a New Hole)
 Hours Equipment Repair
 Mob./Demob. Miles Hours

Hole Condition Log

From	To	Condition/Code

CONDITION CODE

- 1. Clay
- 2. Swelling Clay
- 3. Alluvium
- 4. Fractured Ground
- 5. Abrasive Rock

- 6. Hard Rock
- 7. Cavities
- 8. Caving Ground
- 9. Encountered Water
- 10. Hammer Drilling
- 11. Rock Bit Drilling

Comments: trip hole in Am
Set Casing and Abandon
Good hole.

Location Rosebud

Footage End Shift

Footage Start Shift

Footage Drilled

Hours Drilled

Hours Hauling Water During Shift # of loads

Hours Hauling Water After Shift # of loads

Hours Casing 11 Hours Cementing

Hours Hole Abandonment 1

Actual Hours Moving Between Holes

Hours Standby Hours Cat Work

Hours Other Total Hours 12
 (Circle All Items Chargeable To Client)

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #
ABandonme	18	501b	474
Casing Seal	2	501b	

CASING

Size	Type	Hole #
4 1/2" x 20'	93 joints rur eading	474

(Circle All Items Chargeable To Client)

Driller Don Sharp

Helper Tom Lenson

Helper Dick Gray

Approved By:



BARRINGER LABORATORIES, INC.

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LABORATORIOS HONDURAS
Kilometro 5,
Boulevard Suyapa
Tegucigalpa, M.D.C., Honduras
TEL (011-50-4) 231-1841

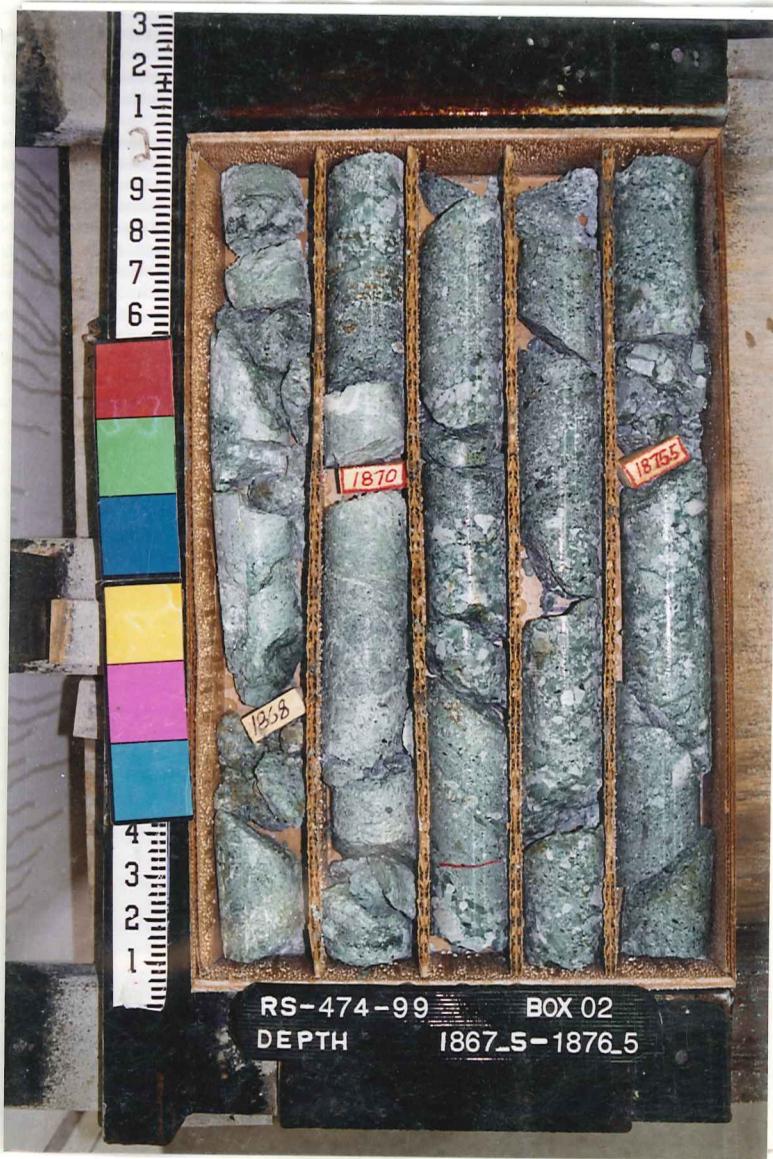
Work Order #	_____
Date Received	_____
Purchase Order #	_____
Project #	_____
Date Shipped	10-13-99
Shipped Via	_____
# of Cartons	_____
# of Samples	_____

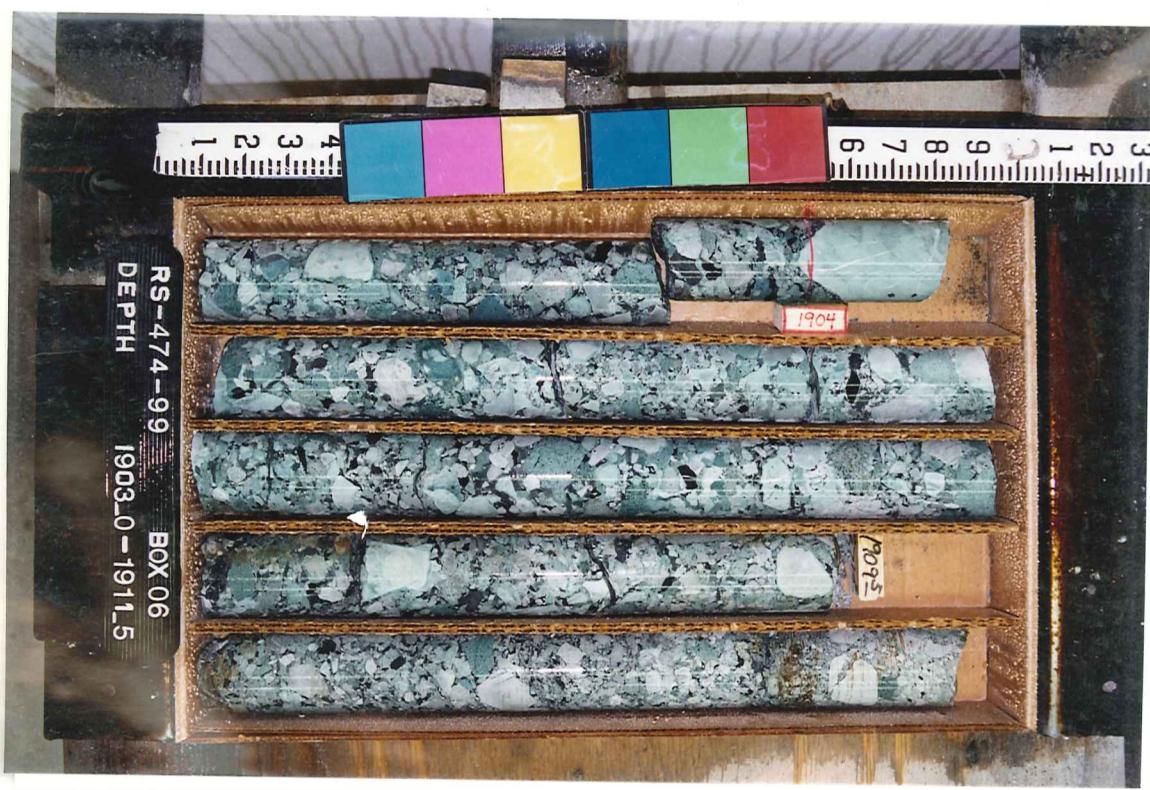
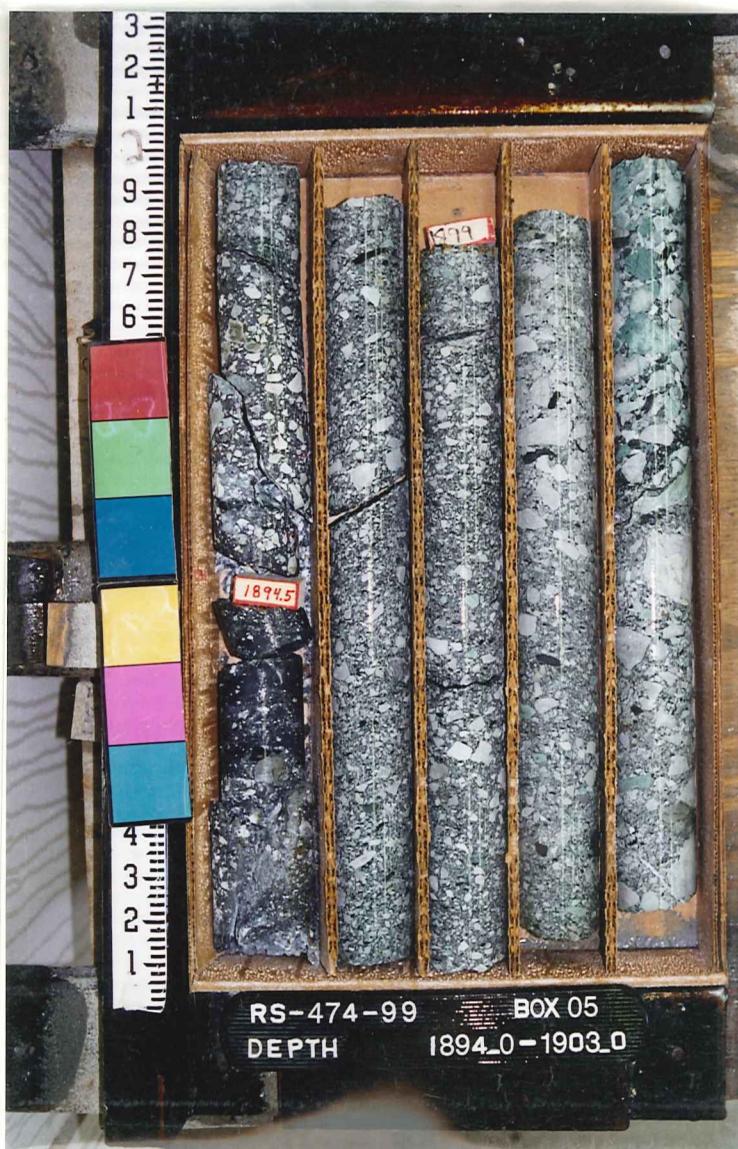
Geochemical Laboratory Instruction Sheet

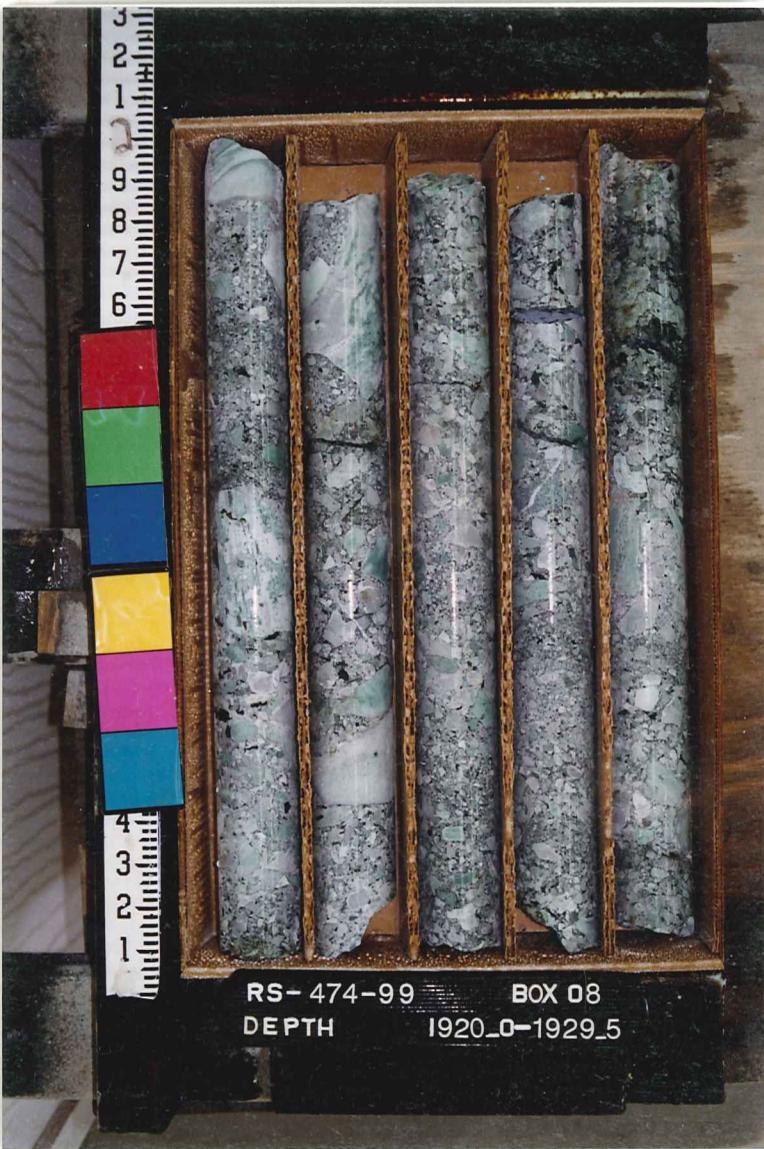
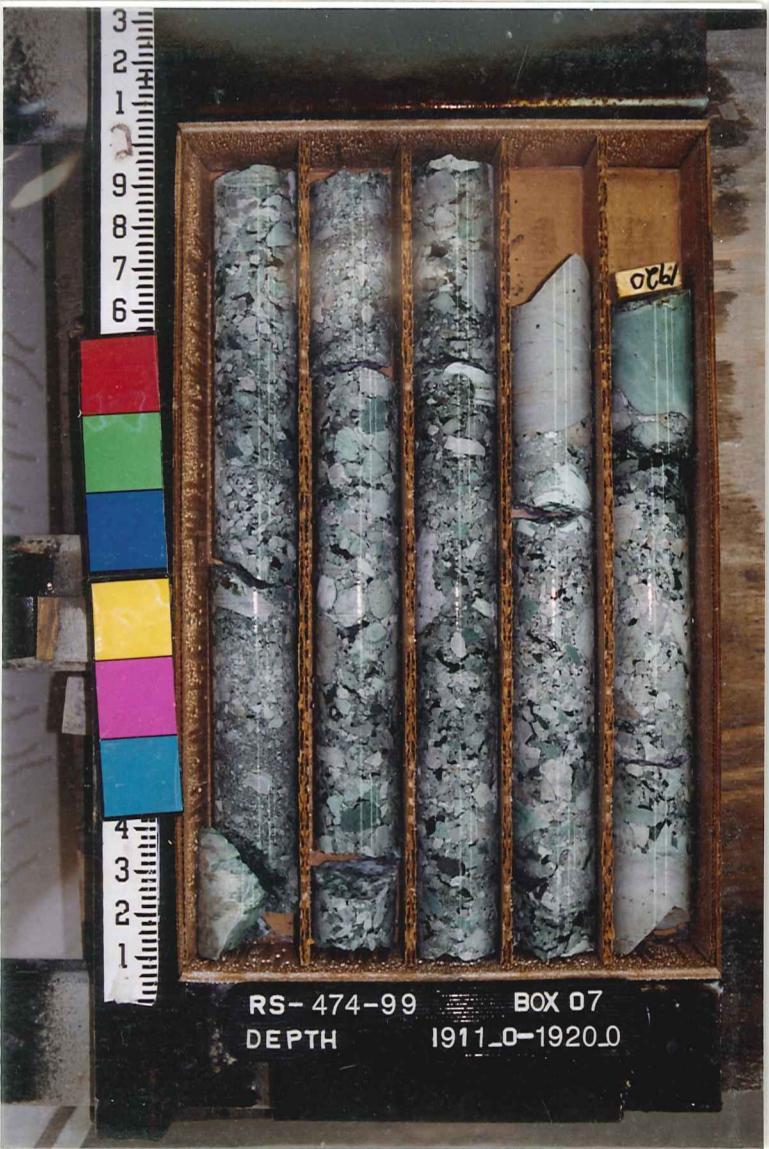
Copy of Results:	Results And Invoice To:
Randy Vance Newmont Mining Corp 861 W. 6th St Winnemucca NV 89445	Charlotte Ballou Same
	AUTHORITY:

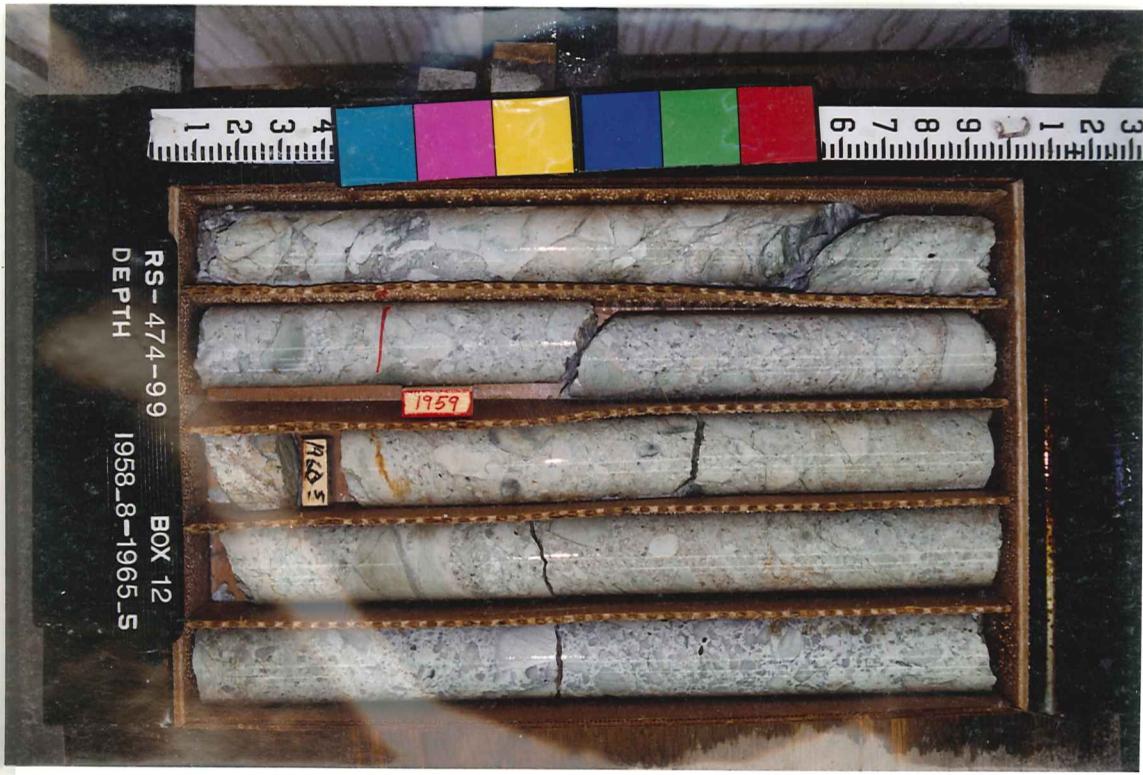
No. of Samples	Sample Type	List of Sample Numbers	Elements Requested
5	core	RS-474: 1904 - 1930.5'	FA + AA, Au
17	core	and 2030 - 2184.1' (As shown on the attached sheet)	"
			Plus ICP on composites as shown.
1	pulp	2071.8 <u>B</u> (standard)	PEEL HERE MS-3 (RMG1) RS-474: 2071.8 <u>B</u>

COARSE REJECT (Free storage for 30 days)	Au - GOLD METHOD	TRACE ELEMENT METHOD
<input type="checkbox"/> Return/collect after analysis	<input checked="" type="checkbox"/> Fire Assay/A.A.	<input type="checkbox"/> Wet Chem./A.A.
<input type="checkbox"/> Return/collect after 30 days	<input type="checkbox"/> Fire Assay/Gravimetric	<input checked="" type="checkbox"/> Wet Chem./ICP
<input checked="" type="checkbox"/> Discard after 30 days	<input type="checkbox"/> NaCN/A.A.	
IF NOT MARKED, REJECT DISCARDED AFTER 30 DAYS	RESULTS REPORTED IN:	RESULTS REPORTED IN:
PULP (Free storage for 6 months)	<input checked="" type="checkbox"/> ppb	<input type="checkbox"/> ppm
<input checked="" type="checkbox"/> Return/collect after analysis	<input type="checkbox"/> oz/T	<input type="checkbox"/> Percent %
<input type="checkbox"/> Return/collect at 6 months	<input type="checkbox"/> PPM	<input type="checkbox"/> oz/T
<input type="checkbox"/> Discard at 6 months	<input type="checkbox"/> grams/T	<input type="checkbox"/> grams/T
IF NOT MARKED, PULP IS DISCARDED AFTER 6 MONTHS	ADDITIONAL INSTRUCTIONS:	
COARSE REJECTS/PULPS WILL BE DISCARDED UNLESS OTHERWISE REQUESTED	Standard prep	















5
4
3
2
1



5
4
3
2
1



4
3
2
1

RS-474-99 BOX 24
DEPTH 2062.0-2070.5

9
8
7
6
5
4
3
2
1





RS-474-99 BOX 25
DEPTH 2070.5-2079.0



RS-474-99 BOX 26
DEPTH 2079.0-2088.5



RS-474-99 BOX 27
DEPTH 2088.5-2097.0

5
4
3
2
1



RS-474-99 BOX 28
DEPTH 2097_0-2106_0

5
4
3
2
1



RS-474-99 BOX 29
DEPTH 2106_0-2115_0

5
4
3
2
1



RS-474-99 BOX 30
DEPTH 2115_0-2124_0



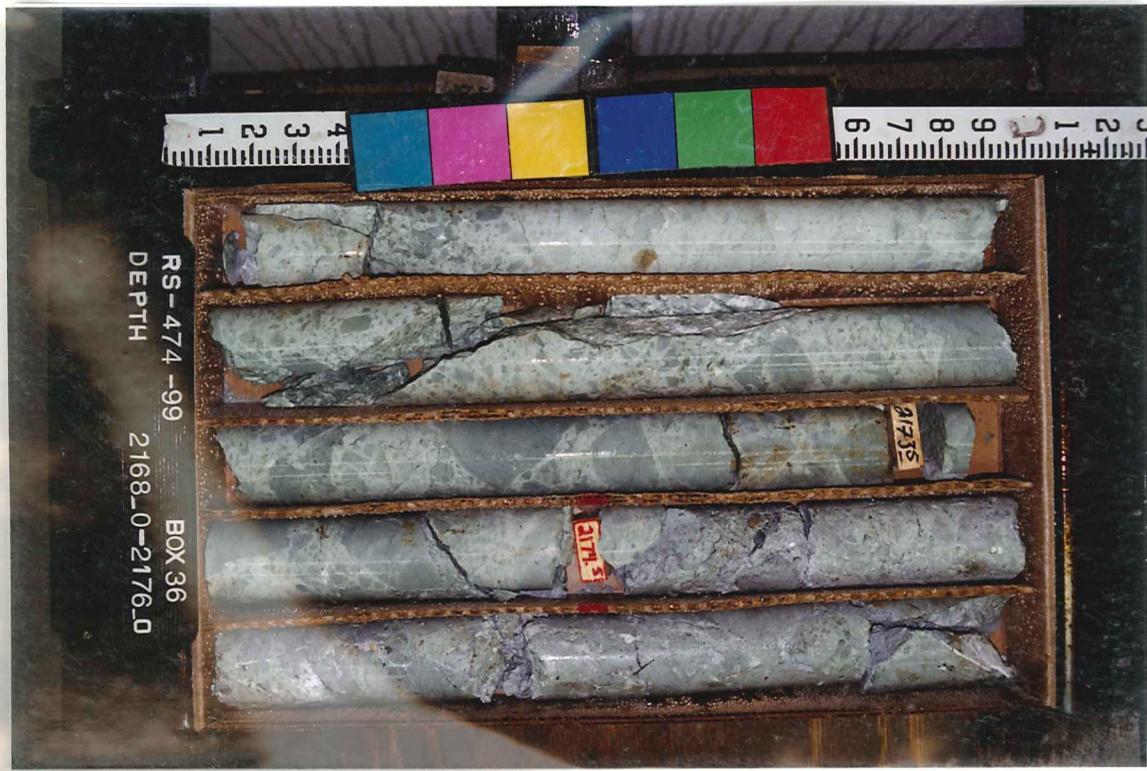
RS-474-99 BOX 31
DEPTH 2124.0-2133.5



RS-474-99 BOX 32
DEPTH 2133.5-2142.5



RS-474-99 BOX 33
DEPTH 2142.5-2151.0







RS-474-99 BOX 40
DEPTH 2203.5-2213.0



RS-474-99 BOX 41
DEPTH 2213.0-2223.0



RS-474-99 BOX 41
DEPTH 2223.0-2231.0



