6000 0572

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. RS-462
AUTHOR	D. School; Rogowski; C. Ballew; R. Vance; L. E. Mackedon; K. Child; R. Gray
DATE OF DOC(S)	1999
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Mining Co., LLC; Newmont Gold Co; Newmont Exploration, Ltd
COMMODITY If not obvious	gold; silver
NOTES	drill logs; geology; assay; total depth 585'; invoice; geochemistry; handwritten notes 31 p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DD 3/19/08
Initials Date
DB:
Initials Date
SCANNED:
Initials Date

Revised: 1/22/08

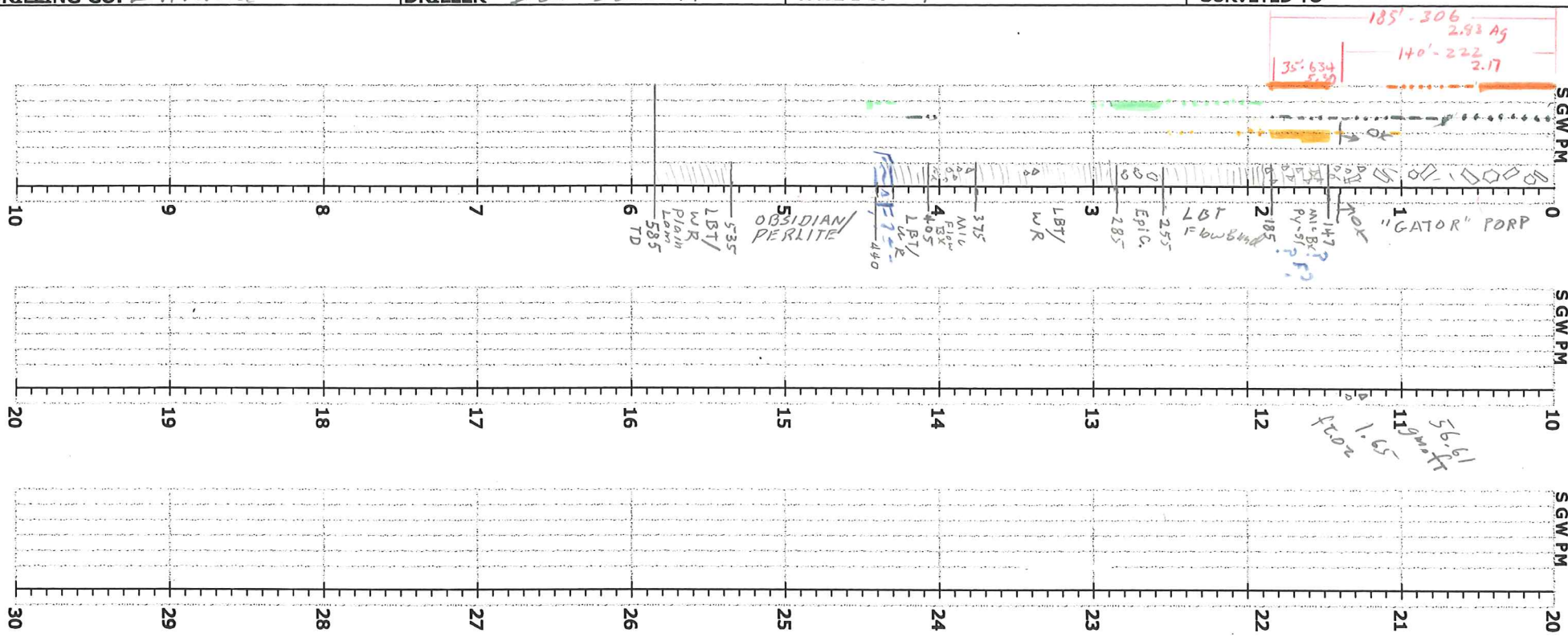
RS-462

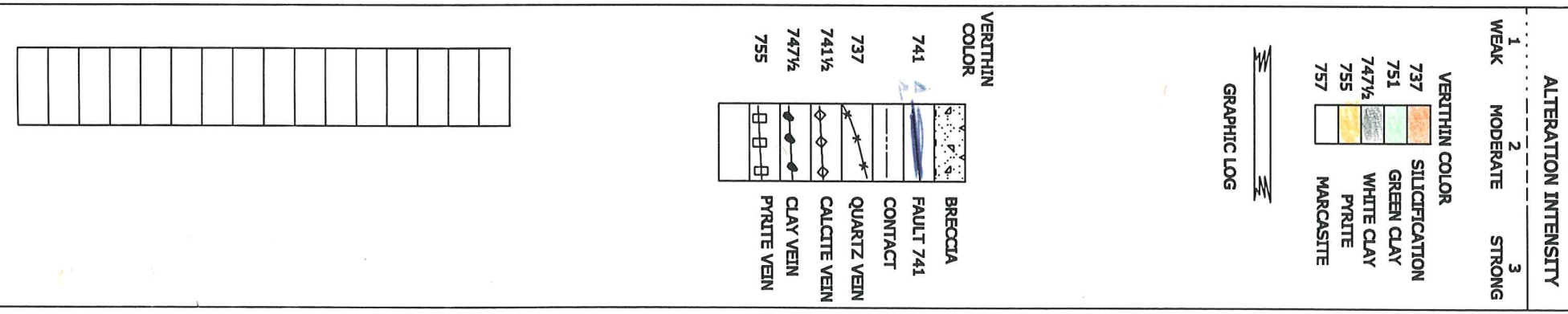
6000 0572
4010

ROSEBUD MINING COMPANY, LLC.

START HOLE: 15 June 99	FINISH HOLE: 16 Jun 99	HOLE #: RS-462	
HOLE TYPE: RC	LOGGED BY: Rogowski		
BEARING: S45E	ANGLE: -50	T.D: 585	
PAGE 1 OF 4	SURVEYED TO: 480		

COLLAR COORDINATES	
NORTH	2,215,563.0
EAST	480,269.2
ELEV	5,508.5
DRILLING CO. Eklund	DRILLER Don Schoorl





60000572

Newmont Gold Rotary Form

Hole# RS-462 **Az/Incl** -51°

Logged by Rogowski **Area** **Total Depth**

Date 15 June 99 **Coords** N- E- El- **Contractor** Eklund

Page 2 of

Footage	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	fault	breccia	vein	gouge	Comments	Silic	argillic	clay Grn	prop	Sericite	Chlorite		FEOX Hem	CO3	Sulfide	Pyrite %	Marcasite %	Calc/Dolo	Clay	Feot Jt6
		(Post RQL)									0-70 - "Gator" porphyry,	3	1						1	0		0				1
											Dom plag, some glmoP, next, sq	3	1						1							
											Equant Feld then poss sani	3	1													
											but not sure. Has Bio &	3	1													
											poss some Femags - All phenos	3	1													
											are strongly clay alt., but	3	1													
											matrix is strongly silicified.	3	1													
											also has mod to strong earthy	3	1													
											yellow alunite on fract up to	3	1													
50											2mm wide. Has fine 50	3	1													
											diss py - 0 to 5% all ox.	2	1						1	0		0				1
								—				2	1						1							2
												2	1						2							2
											70-125, Same "Gator porp,	2	1						2							1
											but much less silicification	1	2						2							2
											and an increase in clay in	1	2						2							2
											the matrix. OxPy very minor.	1	2						2							1
												1	2						3							1
								—				1	2						3							1
100								—			100	1	2						3			0				Tr
		"Gator" Porphyry	white, yellow & pink									2	1						2	0		3				
												1	1						3			0				
											125-147 - mix of G. Porp &	1	1						2							
											G. Porp Bx	2	1						3							
												1	1						3							
ox												3	1						3							
								—				3	1						2							
								—				2	2						1			Tr				
		Bx						—			147-185 Py & silica	2	2						Tr			5				Tr
150								X			cemented "micro Bx"? 150	3	1						Tr			+10				0
								X			Appears to be alt LBT micro Bx.	3	1						0	0		+20				
								X			matrix is silica & very fine xln,	3	Tr													
								X			py & poss other sulfides. There	3	1													
		LBT Bx	white & blk & Py yellow					X			is also some coarse Py. 90%	3	1									+10				
								X			of Py is cubic & 10% pyrh. The	3	2									+10				
								X			micro clasts < 2mm are 3 clay	3	2									5?				
								X			alt. for most but some are	3	1									10				
											silica	2	2									5				
												2		2								1				
											185-205, Alt. LBT & LBT Bx mix	1		2								1				
200											200															
											of clay & silica alt with unalt	2	1							0		Tr				
											red-brn LBT? frags.	1		Tr								Tr				
												1		Tr												
											205-255, wk to mod alt	1	1	1												
											LBT, flow banded & some	1		1												
		Tr Bx									micro Bx w/a matrix of SiO_2, Hem,	Tr		1						Tr						
		Planar Lam ? LBT ?	white spot alt								& a Tr of Py			1						1						
			Drk red Brn & grn											1						tr						
														1						Tr						
														1						tr						

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** _____ **Page** 3 of 4

Logged by Rogowski **Area** _____ **Total Depth** 585

Date 15 June 99 **Coords** N- E- El- **Contractor** _____

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: veln	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic W	Alteration: clay Grn	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX μm	Met.: CO3	Mineralogy: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite %	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Jarosite % Feox
250	Poss Layer within LBT/WR	Epiclastic	pale green								255 to 285, ? Epi Clastic? Bud like with ± 90% of clasts of ?LBT?, matrix is very soft, pale green, clay alt. material (could be sed or intrusive) with fresh Bio. & some epidot.	0		1				0	1		0				0
														1					Tr						
														3					Tr						
														3					2						
														3					1						
														3					1						
														3					Tr						
														1					0						
													0	0					0						
300													0	0					0						
			Drk Reddish Brown								285-345, Drk Red-Brn Aphyric vol., Flow, ?LBT? has either color or Bud Hem think this color may be primary, mottled dark & light pale yell alt (clay?) along fract very faint. some Bx Poss some flow banding. → see one fold (sani?)								0						
																			Tr						
																			Tr						
350												0	Tr						0						
			Drk Red Brn + Gray								345-375, Similar to 285 to 345 color is banded gray & Drk red-Brn From 360 to 375 has abt 10% soft poly green epiclastic, ? that may be contam.														
												0	Tr						0						
	LBT/WR/Idrose											0	Tr												
											375-405, same rock, but up to 50% micro? flow Bx? Drk Red Brn, monolithic becoming Bleached toward 405														
400																									
			Lt + Drk Red Brn									0	Tr						0		0				
											405-430, LBT to 420	Tr	2						0		2				
											420-430 micro bx - diss Py		1								1				
											405 to 415 w/ a few silica-Py		1								0				
											Rep of matrix														
											430-440 Poss fault, has 50% clay (alt LBT?) green clay			2											
			Yel grn											2											
												0	0	3											
450											440-535, Obsidian			0											
			Drk green to Black			OBSIDIAN					440 to 445 - waxy yell-green = Poss devit & clay alt 445 - glassy, black to drk olive green w/ concoid fract ** has Tr of micro glom plag Note: some perlitic text. going from obsidian to perlite? and becoming Lt green & waxy toward 535'. Lighter color reveals un alt Bio.														
																			0						
																			Tr						
																			Tr						
																			0						
500												0	0	0											

RBCROTFRM.DWG Revised 3/17/98

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** _____ **Page** 4 of 4

Logged by Rogowski **Area** _____ **Total Depth** 585

Date 16 June 99 **Coords** N- E- El- **Contractor** _____

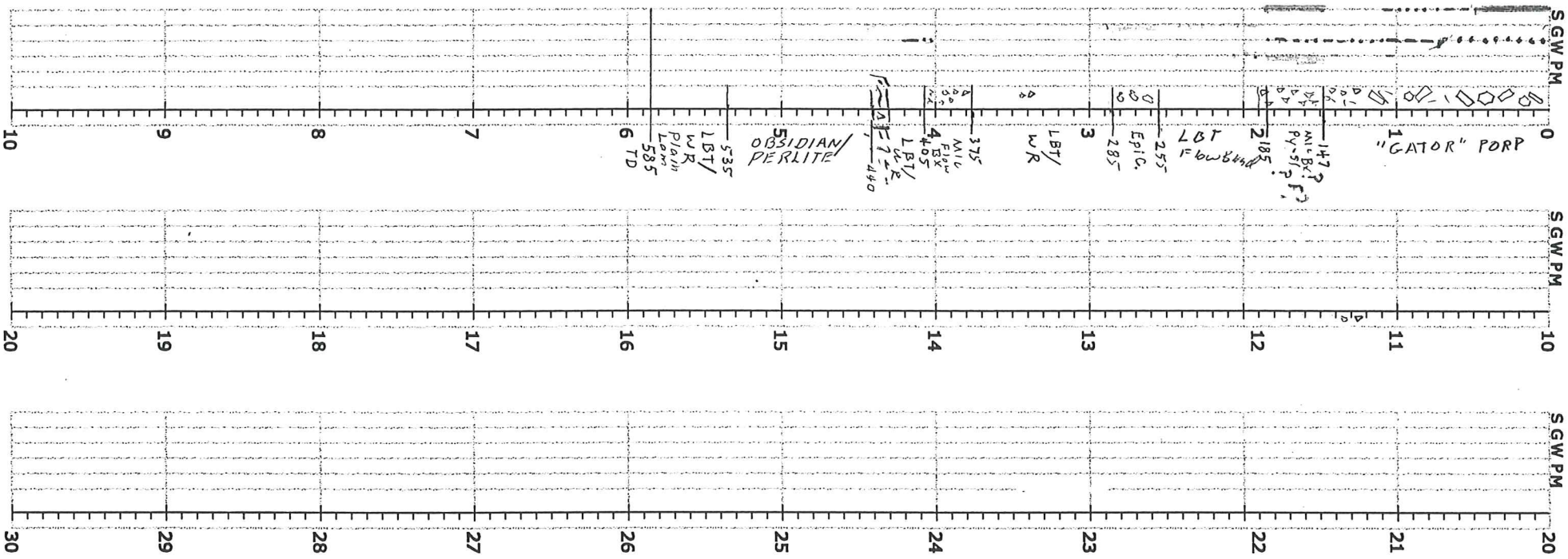
Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite %	Mineralogy: Calc/Dolo	Mineralogy: Clay
500	? Part of LBT/WR? or Chilled contact	glass? flow	Pale to med gray			OBSIDIAN					440 to 535 (cont) becoming more waxy + soft toward 435 but still shows perlitic rings	0	?												
											Not a fault contact	0	?												
											435 to 585; Planar Laminated LBT/wildrose shows light gray devit along laminations w/ some glassy spots.	0	0	0											
550	LBT/Wildrose	Rhyo flow																							
585											585 TD	0													

RDCROTFRM.DWG Revised 3/17/98

ROSEBUD MINING COMPANY, LLC.

START HOLE: 15 June 99	FINISH HOLE: 16 Jun 99	HOLE #: RS-462	
HOLE TYPE: RC	LOGGED BY: Rogowski		
BEARING: S45E	ANGLE: -50	T.D: 585	
PAGE 1 OF 4	SURVEYED TO: 480		

COLLAR COORDINATES	
NORTH	2,215,563.0
EAST	480,269.2
ELEV	5,508.5
DRILLING CO. Eklund	DRILLER Don School



ALTERATION INTENSITY

1 WEAK — 2 MODERATE — 3 STRONG

VERITHIN COLOR

737	SILICIFICATION
751	GREEN CLAY
747½	WHITE CLAY
755	PYRITE
757	MARCASITE

GRAPHIC LOG

VERITHIN COLOR

741	BRECCIA
	FAULT 741
737	CONTACT
741½	QUARTZ VEIN
747½	CALCITE VEIN
755	CLAY VEIN
	PYRITE VEIN

Newmont Gold Rotary Form

Hole# RS-462 | Az/Incl -51° | Page 2 of ___

Logged by Rogowski | Area ___ | Total Depth ___

Date 15 June 99 | Coords N- E- El- | Contractor Eklund

Footage	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	fault	breccia	vein	gouge	Comments	Silic	argillic	clay Grn	prop	Sericite	Chlorite		FEOX Hem	CO3	Sulfide	Pyrite %	Marcasite	Calc/Dolo	Clay	Feot JTG
		(Post RQL)									0-70 - "Gator" porphyry,	3	1						1	0		0				1
											Dom plag, some glmoP, next, sq	3	1						1							
											Equant Feld then poss sani	3	1													
											but not sure. Has Bio &	3	1													
											poss some Femags - All phenos	3	1													
											are strongly clay alt., but	3	1													
											matrix is strongly silicified.	3	1													
											also has mod to strong earthy	3	1													
											yellow alunite on fract up to	3	1													
											2mm wide. Has fine	3	1													
50											50															
											diss py - 0 to 5% all ox.	2	1						1	0		0				1
												2	1						1							2
												2	1						2							2
											70 - 125, Same "Gator porp,	2	1						2							1
											but much less silicification	1	2						2							2
											and an increase in clay in	1	2						2							2
											the matrix. OxPy very minor.	1	2						2							1
												1	2						3							1
												1	2						3							1
100											100	1	2						3			0				Tr
												2	1						2	0		3				
												1	1						3			0				
											125-147 - mix of G. Porp &	1	1						2							
											G. Porp Bx	2	1						3							
												1	1						3							
												3	1						3							
												3	1						2							
												2	2						1			Tr				
		Bx									147-185 Py & silica	2	2						Tr			5				Tr
150								X			cemented "micro Bx"? 150	3	1						Tr			10				0
								X			Appears to be alt LBT micro Bx.	3	1						0	0		20				
								X			Matrix is silica & very fine xln.	3	Tr													
								X			py & poss other sulfides. There	3	1													
								X			is also some coarse Py. 90%	3	1									10				
								X			of Py is cubic & 10% pyrh. The	3	2									10				
								X			micro clasts < 2mm are 3 clay	3	2									5?				
								X			alt. for most but some are	3	1									10				
											silica	2	2									5				
												2		2								1				
											185-205, Alt. LBT & LBT Bx mix	1		2								1				
200											200															
											of clay & silica alt with unalt	2	1						Colr LBT	0		Tr				
											red-brn LBT? frags.	1		Tr								Tr				
												1		Tr												
											205-255, wk to mod alt	1	1	1												
											LBT, flow banded & some	1		1												
											micro Bx w/a matrix of SiO_2, Hem,	Tr		1						Tr						
											& a Tr of Py			1						1						
														1						Tr						
														1						Tr						
														1						Tr						

Footage: 0 ox → 1 (170); 50; 100; 150; 200

Rock type: (Post RQL); "Gator" Porphyry; Bx; LBT Bx; Tr Bx; Planar Lam ? LBT ? Lut; white spot alt; Drk Red Brn bnd green

Color: white, yellow & pink; white & blk & Py yellow

Comments: 0-70 - "Gator" porphyry, Dom plag, some glmoP, next, sq Equant Feld then poss sani but not sure. Has Bio & poss some Femags - All phenos are strongly clay alt., but matrix is strongly silicified. also has mod to strong earthy yellow alunite on fract up to 2mm wide. Has fine diss py - 0 to 5% all ox.

70 - 125, Same "Gator porp, but much less silicification and an increase in clay in the matrix. OxPy very minor.

125-147 - mix of G. Porp & G. Porp Bx

147-185 Py & silica cemented "micro Bx"?

Appears to be alt LBT micro Bx. Matrix is silica & very fine xln. py & poss other sulfides. There is also some coarse Py. 90% of Py is cubic & 10% pyrh. The micro clasts < 2mm are 3 clay alt. for most but some are silica

185-205, Alt. LBT & LBT Bx mix of clay & silica alt with unalt red-brn LBT? frags.

205-255, wk to mod alt LBT, flow banded & some micro Bx w/a matrix of SiO_2, Hem, & a Tr of Py

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** _____ **Page** 3 of 4

Logged by Rogowski **Area** _____ **Total Depth** 585

Date 15 June 99 **Coords** N- E- El- **Contractor** _____

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay Grn	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX/Py	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Jarosite Feox
250	Layer LBT/LWR Poss within	F. Epi clastic	Pale green									0		1				0	1		0	%			0
											255 to 285, ? Epi Clastic? Bud like with ± 90% of clasts of ?LBT?, matrix, is very soft, pale green, clay alt. material (could be sed or intrusive) with fresh Bio. & some effer.			1					Tr					
														1					Tr						
														3					Tr						
														3					2						
														3					1						
														3					1						
														3					Tr						
														1					0						
													0	0					0						
300													0	0					0						
			Dark Reddish Brown								285-345, Drk Red-Brn Aphyric vol., Flow, ?LBT? has either color or End Hem think this color may be primary, mottled dark & light pale yell alt (clay?) along fract very faint. some Bx Poss some flow banding. → see one fold (sani?)								0						
																			Tr						
																			Tr						
350												0	Tr						0						
			Drk Red Brn Grey								345-375, Similar to 285 to 345 Color is banded gray & Drk red-Brn From 360 to 375 has abt 10% soft poly green epiclastic, ? that may be contam.														
												0	Tr						0						
												0	Tr												
											375-405, same rock, but up to 50% micro? flow Bx? Drk Red Brn, monolithic becoming Bleached toward bot 400															
400	LBT w/ Hydrose		Drk Red Brn									0	Tr						0		0				
											405-430, LBT to 420	Tr	2						0		2				
											420-430 micro bx - diss Py		1								1				
											405 to 415 w/ a few silica-Py		1								0				
											Rep of matrix														
			Lt & Drk								430-440 Poss fault, has 50% clay (alt LBT?) green clay			2											
														2											
			Yel grn									0	0	3											
450											440-535, Obsidian			0											
			Drk green to Black								440 to 445 - waxy yell-green = Poss devit & clay alt														
						OBSIDIAN					445 - glassy, black to drk olive green w/ concoid fract														
											** has Tr of micro glom plag								0						
											Note: some perlitic text.								Tr						
											going from obsidian to perlite?								Tr						
											and becoming Lt green &								0						
											waxy toward 535'. Lighter														
500											color reveals un alt Bio.	0	0	0											

RSCROTHOLD.DOC Revised 2/17/98

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** _____ **Page** 4 of 4

Logged by Rogowski **Area** _____ **Total Depth** 585

Date 16 June 99 **Coords** N- E- El- **Contractor** _____

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
500	Part of LBT/WR? or Chilled contact?	glass? flow	Pale to med grey			Obsidian					440 to 535 (cont) becoming more waxy + soft toward 435 but still showes perlitic rings	0	?										%		
											Not a fault contact	0	?												
											435 to 585; Planar Laminated LBT/wildrose showes light gray devit along laminations w/ some glassy spots.	0	0	0											
550	LBT/wildrose	Rhyo flow																							
585											585 TD	0													

RBCROTFRM.DWG Revised 2/17/98

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(775) 356-0606, Fax.(775) 356-1413

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-462 RECEIVED : 21 JUN 1999

No. SAMPLES : 118 REPORTED : 20 JUL 1999

MAIN SAMPLE TYPE : DRILL CUTTINGS

NEVADA LEGISLATIVE DISCLAIMER :-
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 geological 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.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	ppm	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Leonard E. Mackedon B.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-462

REPORTED : 20 JUL 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-462 000-005	131		0.004		2.5	0.07
RS-462 005-010	262		0.008		1.9	0.06
RS-462 010-015	163		0.005		4.6	0.13
RS-462 015-020	125		0.004		4.0	0.12
RS-462 020-025	159		0.005		2.6	0.08
RS-462 025-030	164		0.005		0.6	<0.02
RS-462 030-035	150	130	0.004	0.004	<0.5	<0.02
RS-462 035-040	198		0.006		1.2	0.04
RS-462 040-045	186		0.005		0.8	0.02
RS-462 045-050	295		0.009		1.5	0.04
RS-462 050-055	175		0.005		0.8	0.02
RS-462 055-060	195		0.006		1.0	0.03
RS-462 060-065	332		0.010		3.3	0.10
RS-462 065-070	189		0.006		1.6	0.05
RS-462 070-075	208		0.006		3.2	0.09
RS-462 075-080	231		0.007		0.7	0.02
RS-462 080-085	63		0.002		0.9	0.03
RS-462 085-090	249		0.007		2.0	0.06
RS-462 090-095	235		0.007		0.8	0.02
RS-462 095-100	201	215	0.006	0.006	0.8	0.02
RS-462 100-105	336		0.010		3.1	0.09
RS-462 105-110	567		0.017		2.1	0.06
RS-462 110-115	335		0.010		2.0	0.06
RS-462 115-120	191		0.006		2.8	0.08
RS-462 120-125	194	194	0.006	0.006	3.9	0.11

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-462

REPORTED : 20 JUL 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-462 125-130	201		0.006		4.5	0.13
RS-462 130-135	279		0.008		4.9	0.14
RS-462 135-140	198		0.006		3.4	0.10
RS-462 140-145	570	534	0.017	0.016	5.7	0.17
RS-462 145-150	1025		0.030		7.8	0.23
RS-462 150-155	447		0.013		3.1	0.09
RS-462 155-160	912		0.027		7.5	0.22
RS-462 160-165	665		0.019		5.8	0.17
RS-462 165-170	303		0.009		2.2	0.06
RS-462 170-175	515		0.015		4.4	0.13
RS-462 170-175B	1200	~~1060~~	0.035	~~0.031~~	0.7	0.02
RS-462 175-180	358	386	0.010	0.011	3.3	0.10
RS-462 180-185	130		0.004		1.3	0.04
RS-462 185-190	35		0.001		<0.5	<0.02
RS-462 190-195	<5		<0.001		<0.5	<0.02
RS-462 195-200	<5		<0.001		<0.5	<0.02
RS-462 200-205	82		0.002		<0.5	<0.02
RS-462 205-210	15		<0.001		<0.5	<0.02
RS-462 210-215	<5		<0.001		<0.5	<0.02
RS-462 215-220	32		<0.001		<0.5	<0.02
RS-462 220-225	26		<0.001		<0.5	<0.02
RS-462 225-230	53		0.002		<0.5	<0.02
RS-462 230-235	<5		<0.001		<0.5	<0.02
RS-462 235-240	<5		<0.001		<0.5	<0.02
RS-462 240-245	18		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-462

REPORTED : 20 JUL 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-462 245-250	42		0.001		0.5	<0.02
RS-462 250-255	<5		<0.001		<0.5	<0.02
RS-462 255-260	<5		<0.001		<0.5	<0.02
RS-462 260-265	<5		<0.001		<0.5	<0.02
RS-462 265-270	<5		<0.001		<0.5	<0.02
RS-462 270-275	<5		<0.001		<0.5	<0.02
RS-462 275-280	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-462 280-285	<5		<0.001		<0.5	<0.02
RS-462 285-290	<5		<0.001		<0.5	<0.02
RS-462 290-295	<5		<0.001		<0.5	<0.02
RS-462 295-300	<5		<0.001		<0.5	<0.02
RS-462 300-305	<5		<0.001		<0.5	<0.02
RS-462 305-310	5		<0.001		<0.5	<0.02
RS-462 310-315	<5		<0.001		<0.5	<0.02
RS-462 315-320	6		<0.001		<0.5	<0.02
RS-462 320-325	24		<0.001		<0.5	<0.02
RS-462 325-330	<5		<0.001		<0.5	<0.02
RS-462 330-335	<5		<0.001		<0.5	<0.02
RS-462 335-340	<5		<0.001		<0.5	<0.02
RS-462 340-345	<5		<0.001		<0.5	<0.02
RS-462 345-350	<5		<0.001		<0.5	<0.02
RS-462 350-355	<5		<0.001		<0.5	<0.02
RS-462 355-360	<5		<0.001		<0.5	<0.02
RS-462 360-365	<5		<0.001		<0.5	<0.02
RS-462 365-370	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
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REFERENCE : RS-462

REPORTED : 20 JUL 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-462 370-375	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-462 375-380	<5		<0.001		<0.5	<0.02
RS-462 380-385	<5		<0.001		<0.5	<0.02
RS-462 385-390	30		<0.001		0.7	0.02
RS-462 390-395	<5		<0.001		<0.5	<0.02
RS-462 395-400	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-462 400-405	<5		<0.001		<0.5	<0.02
RS-462 405-410	<5		<0.001		<0.5	<0.02
RS-462 410-415	48		0.001		0.5	<0.02
RS-462 415-420	<5		<0.001		<0.5	<0.02
RS-462 420-425	<5		<0.001		<0.5	<0.02
RS-462 425-430	7		<0.001		<0.5	<0.02
RS-462 430-435	<5		<0.001		<0.5	<0.02
RS-462 435-440	6		<0.001		<0.5	<0.02
RS-462 440-445	15		<0.001		<0.5	<0.02
RS-462 445-450	<5		<0.001		<0.5	<0.02
RS-462 450-455	<5		<0.001		<0.5	<0.02
RS-462 455-460	5		<0.001		<0.5	<0.02
RS-462 460-465	<5		<0.001		<0.5	<0.02
RS-462 465-470	35	38	0.001	0.001	<0.5	<0.02
RS-462 470-475	<5		<0.001		<0.5	<0.02
RS-462 475-480	8		<0.001		<0.5	<0.02
RS-462 480-485	<5		<0.001		<0.5	<0.02
RS-462 485-490	<5		<0.001		<0.5	<0.02
RS-462 490-495	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP053883

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-462

REPORTED : 20 JUL 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-462 495-500	<5		<0.001		<0.5	<0.02
RS-462 500-505	<5		<0.001		<0.5	<0.02
RS-462 505-510	<5		<0.001		<0.5	<0.02
RS-462 510-515	<5		<0.001		<0.5	<0.02
RS-462 515-520	<5		<0.001		<0.5	<0.02
RS-462 520-525	<5		<0.001		<0.5	<0.02
RS-462 525-530	<5		<0.001		<0.5	<0.02
RS-462 530-535	<5		<0.001		<0.5	<0.02
RS-462 535-540	<5		<0.001		<0.5	<0.02
RS-462 540-545	5		<0.001		<0.5	<0.02
RS-462 545-550	<5		<0.001		<0.5	<0.02
RS-462 550-555	15		<0.001		<0.5	<0.02
RS-462 555-560	50		0.001		<0.5	<0.02
RS-462 560-565	<5		<0.001		<0.5	<0.02
RS-462 565-570	<5		<0.001		<0.5	<0.02
RS-462 570-575	<5		<0.001		<0.5	<0.02
RS-462 575-580	<5		<0.001		<0.5	<0.02
RS-462 580-585	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	3	0.01	0.2	1	1	1	0.01	10	0.01	1	0.01	2	1	0.01	1	0.001	3	3	0.1	1	2	0.01	8	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP053883
METHOD:	AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (775) 356-0606
FAX: (775) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-462 000-020	3.4	1.07	51	4	119	< 3	0.18	0.2	1	29	12	2.64	2514	0.41	17	0.04	125	4	0.06	27	0.009	27	12	8.8	49	9	< .01	< 8	11	< 2	21
RS-462 020-040	1.2	0.83	29	< 3	110	< 3	0.02	< .2	1	16	7	2.09	954	0.4	20	0.01	93	3	0.03	13	0.005	16	11	14.1	26	10	< .01	< 8	6	< 2	19
RS-462 040-060	1.1	0.9	26	< 3	92	< 3	0.01	0.2	1	17	6	1.74	319	0.4	18	0.01	88	3	0.02	15	0.006	13	8	17.8	38	10	< .01	< 8	8	2	19
RS-462 060-080	1.8	0.96	53	< 3	98	< 3	0.01	0.3	1	13	7	2.44	1066	0.47	18	0.01	77	4	0.03	11	0.005	26	12	50.8	39	9	< .01	< 8	10	< 2	20
RS-462 080-100	0.9	0.9	39	< 3	134	< 3	0.01	0.3	1	4	3	3.26	33	0.31	21	0.01	49	3	0.02	3	0.004	19	9	22	16	11	< .01	< 8	5	< 2	8
RS-462 100-120	2	0.84	58	< 3	88	< 3	0.01	< .2	1	11	9	3.07	1033	0.48	14	0.01	88	7	0.02	7	0.006	10	15	33.1	42	7	< .01	< 8	7	< 2	13
RS-462 120-140	3.7	0.69	97	3	101	< 3	0.13	0.2	2	11	9	2.8	3125	0.28	15	0.02	86	13	0.03	6	0.011	17	20	46.7	45	7	< .01	< 8	16	< 2	18
RS-462 140-160	5.5	0.72	75	< 3	55	< 3	0.08	1.8	8	10	9	3.54	3739	0.12	23	0.02	76	16	0.03	7	0.016	16	27	21.5	32	6	< .01	10	2	< 2	57
RS-462 160-180	3.7	0.79	56	3	65	< 3	0.08	0.2	7	9	7	3.13	5135	0.1	20	0.02	66	9	0.02	6	0.022	14	23	15.1	86	6	< .01	< 8	2	< 2	87
RS-462 180-200	0.6	1.22	23	3	72	< 3	0.44	0.3	3	1	3	2.65	806	0.17	24	0.14	110	1	0.05	2	0.047	17	4	2.3	26	7	0.01	< 8	2	< 2	90
RS-462 200-220	< .3	0.89	12	< 3	83	< 3	0.42	0.2	2	5	4	2.66	251	0.17	25	0.07	185	2	0.05	2	0.052	16	4	2	19	7	0.01	< 8	3	< 2	64
RS-462 220-240	< .3	1.26	13	< 3	140	< 3	1	0.4	3	2	4	2.4	188	0.2	23	0.15	850	1	0.06	2	0.04	14	< 3	3.2	35	6	0.01	< 8	2	< 2	66
RS-462 240-260	0.4	1.57	3	< 3	48	< 3	1.29	0.3	3	6	4	1.79	134	0.19	27	0.24	645	1	0.07	3	0.038	14	< 3	0.5	50	7	< .01	< 8	1	< 2	55
RS-462 260-280	0.3	2.09	< 2	< 3	55	< 3	2.25	0.2	2	2	3	1.35	< 5	0.19	31	0.32	770	< 1	0.06	1	0.043	22	< 3	< .1	74	6	< .01	< 8	1	< 2	54
RS-462 280-300	0.3	1.06	3	< 3	40	< 3	0.91	0.2	4	13	7	2.48	< 5	0.19	38	0.16	765	1	0.07	8	0.042	16	< 3	< .1	38	9	0.01	< 8	24	< 2	95
RS-462 300-320	0.5	0.47	7	4	39	< 3	0.21	0.3	5	20	6	3.03	48	0.18	42	0.06	447	2	0.1	10	0.028	16	< 3	0.1	16	13	0.04	< 8	40	< 2	101
RS-462 320-340	0.5	0.45	5	4	34	< 3	0.31	0.2	4	21	8	3.28	38	0.16	42	0.06	569	3	0.08	11	0.027	15	< 3	0.1	14	13	0.04	< 8	40	2	88
RS-462 340-360	0.4	1.23	< 2	< 3	180	< 3	0.8	0.3	7	7	6	2.91	< 5	0.18	57	0.2	3811	< 1	0.08	5	0.023	17	< 3	< .1	29	11	0.01	< 8	23	< 2	159
RS-462 360-380	0.4	1.52	< 2	< 3	45	< 3	0.82	0.5	5	8	4	2.22	< 5	0.18	59	0.26	1983	< 1	0.08	5	0.02	9	< 3	< .1	32	10	< .01	< 8	15	< 2	130
RS-462 380-400	0.6	0.67	4	3	25	< 3	0.12	< .2	1	12	3	1.61	37	0.25	55	0.04	180	2	0.06	6	0.01	16	< 3	0.2	7	12	0.02	< 8	8	< 2	58
RS-462 400-420	0.4	0.55	19	< 3	79	< 3	0.16	0.3	2	6	3	1.57	120	0.21	67	0.04	360	4	0.03	4	0.01	21	< 3	0.8	8	12	0.01	< 8	3	2	175
RS-462 420-440	0.4	0.76	6	< 3	50	< 3	0.27	0.5	2	13	5	1.33	104	0.27	65	0.06	278	2	0.05	8	0.01	17	< 3	0.4	13	12	< .01	< 8	4	< 2	100
RS-462 440-460	< .3	0.96	< 2	< 3	51	< 3	0.59	0.3	1	3	3	0.74	16	0.3	37	0.14	639	2	0.78	3	0.006	8	< 3	0.2	36	7	< .01	< 8	2	< 2	51
RS-462 460-480	< .3	0.52	4	< 3	43	< 3	0.4	0.2	1	7	3	0.85	55	0.21	18	0.06	503	2	1.18	3	0.005	7	< 3	0.9	26	3	< .01	< 8	2	< 2	35
RS-462 480-500	< .3	0.46	< 2	4	31	< 3	0.29	0.2	< 1	6	6	0.95	< 5	0.21	12	0.03	706	2	1.52	4	0.002	5	< 3	0.1	31	2	< .01	< 8	1	< 2	36
RS-462 500-520	0.5	0.74	< 2	3	27	< 3	1.2	0.3	< 1	5	3	0.57	< 5	0.26	35	0.07	726	2	1.08	2	0.004	8	< 3	< .1	40	7	< .01	< 8	1	< 2	21
RS-462 520-540	0.5	1.05	< 2	< 3	31	< 3	1.14	0.3	1	7	3	0.8	< 5	0.2	54	0.1	1291	2	0.44	3	0.007	14	< 3	0.1	45	10	< .01	< 8	1	< 2	28
RS-462 540-560	0.4	0.6	2	< 3	25	< 3	0.12	< .2	1	10	4	1.49	33	0.34	55	0.03	204	1	0.1	5	0.006	11	< 3	0.3	7	12	0.01	< 8	3	3	47
RS-462 560-580	0.6	0.53	2	< 3	20	< 3	0.1	0.3	1	6	3	1.38	< 5	0.26	58	0.02	201	2	0.09	3	0.007	12	< 3	< .1	6	15	0.02	< 8	3	3	75
RS-462 580-585	0.3	0.61	2	< 3	18	< 3	0.12	0.3	1	6	2	1.6	< 5	0.26	58	0.02	161	1	0.09	4	0.008	12	< 3	< .1	6	15	0.02	< 8	4	3	69
STANDARD C3/DS2	5.7	1.82	56	18	149	22	0.57	23.5	13	170	64	3.35	286	0.16	19	0.62	781	26	0.04	37	0.087	37	13	2.5	29	19	0.1	21	82	20	165
STANDARD G-2	< .3	0.95	< 2	< 3	226	< 3	0.65	< .2	5	80	3	2.06	< 5	0.46	8	0.62	558	1	0.07	8	0.094	5	< 3	< .1	71	5	0.14	< 8	42	3	43

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431-5902

(775) 356-0606

* INVOICE NO: SP 0053883-IN
INVOICE DATE: 07/21/99

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-462	ROSEBUD	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
110	SAMPLES RECEIVED	.00	.00
1	NO PREPARATION REQUIRED	.00	.00
117	DRYING	1.00	117.00
117	JAW CRUSHING CHARGE	1.30	152.10
117	SPLITTING CHARGE	1.20	140.40
117	FINE MILLING CHARGE	2.00	234.00
118	Au (1 A.T. FIRE ASSAY)	8.00	944.00
118	HYDROCHLORIC/NITRIC DIGESTION	2.00	236.00
118	Ag ANALYSES	1.00	118.00
116	COMPOSITE CHARGE	1.00	116.00
30	MULTI-ELEMENT ICP PACKAGE	9.80	294.00
30	Se ANALYSES	7.15	214.50

#1667.90

NET INVOICE:	2,566.00
LESS DISCOUNT:	898.10
FREIGHT:	.00
INVOICE TOTAL	1,667.90

COPY

CUSTOMER----------: NEWMONT GOLD COMPANY
MINE SITE----------: ROSEBUD
HOLE NO.----------: RS-462
DATE----------: 6/16/99

SILVER STATE SURVEYS, INC.

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

KENT CHILD
==========

PROJECTED DEPTH--: 480-600

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	-50.01	139.47	0.00	0.00	0.00	0.00	0.00	74.7
50	38.38	32.04	-50.28	141.21	-24.66	20.45	1.14	32.04	140.34	74.7
100	76.81	64.03	-50.16	141.28	-49.61	40.48	0.13	64.03	140.79	74.7
150	115.39	95.83	-50.85	141.54	-74.47	60.32	0.71	95.83	140.99	74.7
200	154.30	127.23	-51.35	139.98	-98.79	80.18	1.10	127.23	140.94	75.6
250	193.76	157.93	-52.87	138.82	-122.10	100.16	1.68	157.93	140.64	75.6
300	233.68	188.03	-53.09	141.08	-145.15	119.53	0.23	188.03	140.53	75.6
350	274.18	217.34	-55.10	142.40	-168.16	137.69	1.08	217.34	140.69	75.6
400	315.12	246.04	-54.82	139.80	-190.50	155.72	0.76	246.04	140.74	75.6
450	356.23	274.50	-55.78	142.38	-212.64	173.59	0.88	274.50	140.77	76.5
480	381.09	291.28	-56.16	140.56	-225.77	184.05	1.81	291.28	140.81	75.6
500	397.71	302.42	-56.20	140.64	-234.37	191.11	0.16	302.42	140.81	
550	439.29	330.19	-56.32	139.78	-255.71	208.89	0.04	330.19	140.76	
600	480.96	357.81	-56.59	139.50	-276.77	226.78	0.16	357.81	140.67	

VERTICAL PROJECTION

Survey File: RS-462

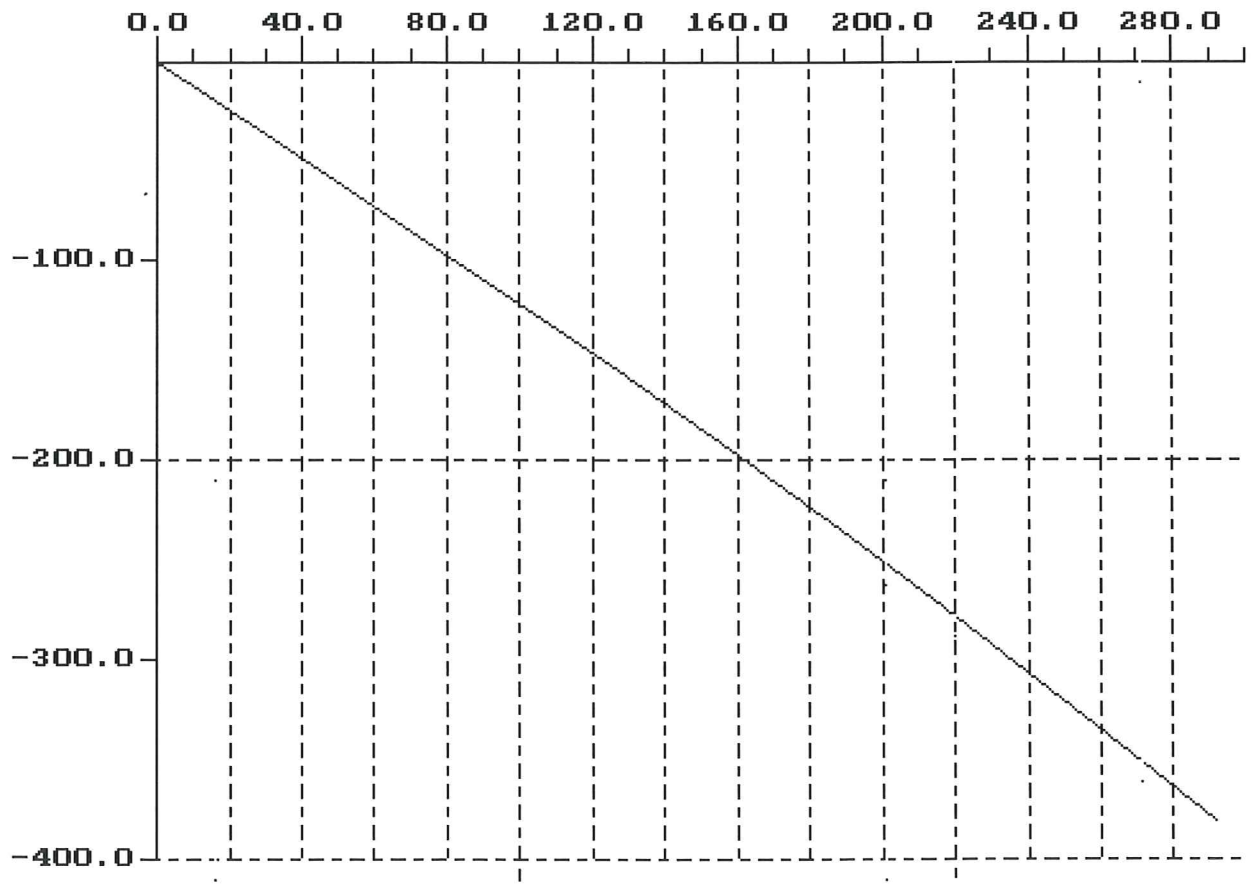
Customer: NEWMONT

Section direction: 140.8

Starting from 0.0 E/W 0.0 N/S

Time: 07:23:40

Date: 6-16-99



Horiz Data Max: 291.3

Horiz Data Min: 0.0

(scale in feet)

Vert Data Max: 0.0

Vert Data Min: -381.1

HORIZONTAL PROJECTION

Survey File: RS-462

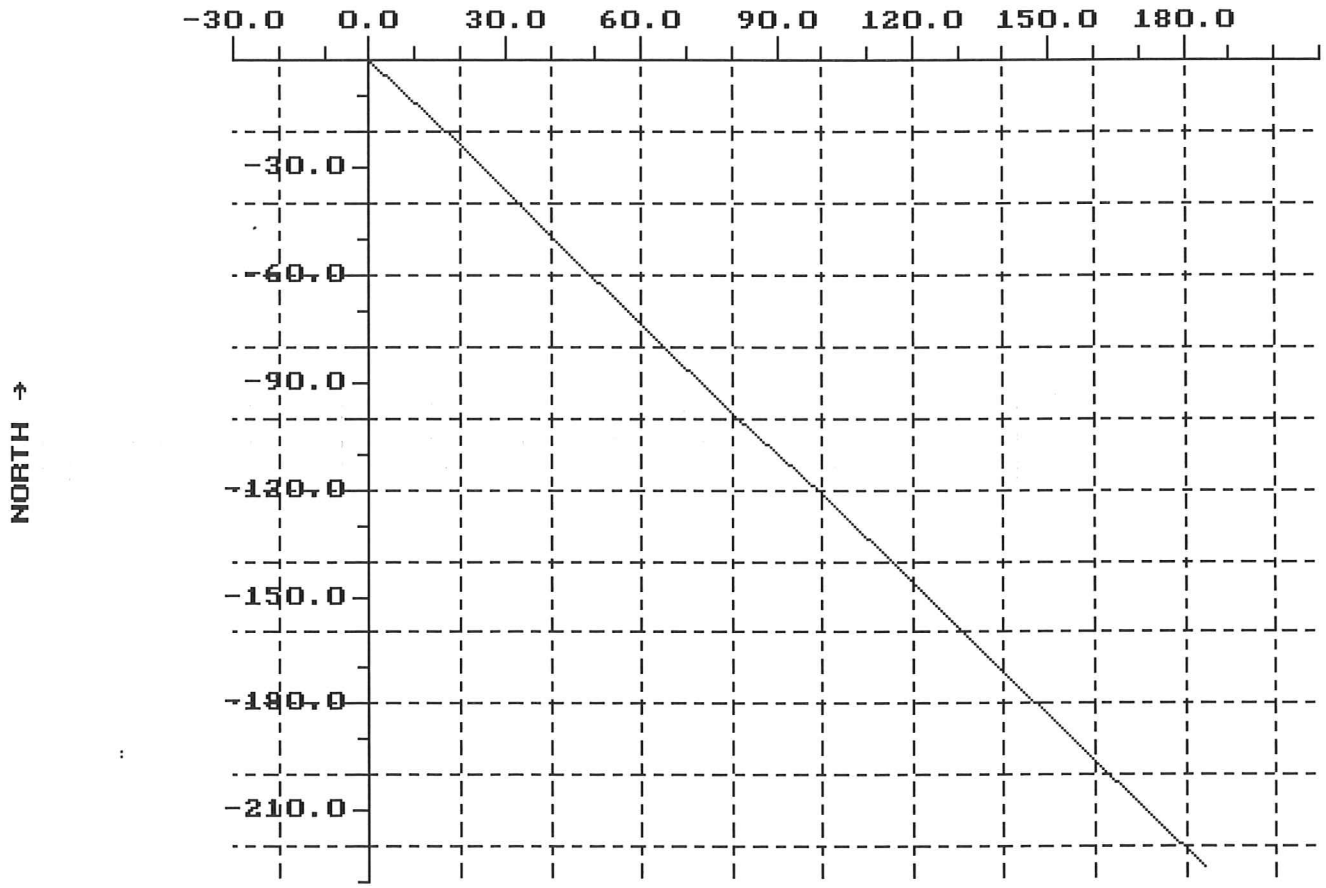
Customer: NEWMONT

Starting from 0.0 E/W 0.0 N/S

Bottom closure direction: 140.8

Time: 07:23:40

Date: 6-16-99



E/W Data Max: 184.0

E/W Data Min: 0.0

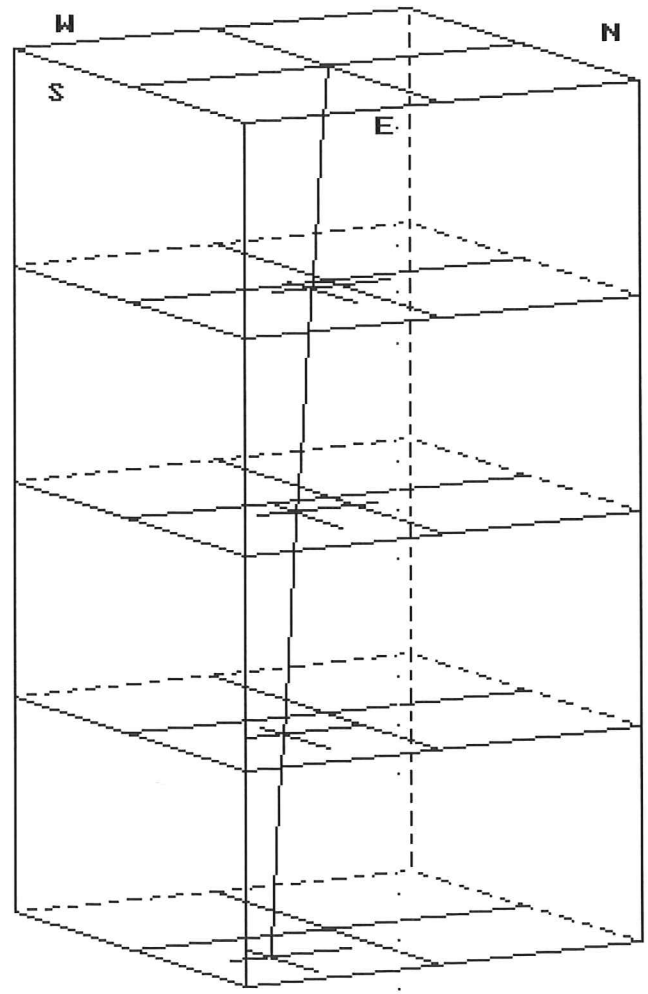
(scale in feet)

N/S Data Max: 0.0

N/S Data Min: -225.8

©

3D PROJECTION



0.00 feet

-95.27 feet (140.91)

-190.54 feet (140.66)

-285.81 feet (140.70)

-381.08 feet (140.81)

Survey File: RS-462
Customer: NEWMONT
Date: 6-16-99
Time: 07:23:40

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co

Address: 861 W. 6th St

City Winnemucca State NV Zip 89445

Telephone Number: ( ) _____ Fax Number: ( ) _____

Project Name: Rosebud Purchase Order Number: _____

Date Submitted: 16 Jun 99 Number of Samples: 117 + 1 standard.

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-462	RC	FA 30Au Ag D210 every
		sample
0 - 585		
		ICP 20 Foot composites
		AAL 1/2 + Se
1 Standard 175B		
Au-Ag only (No ICP)		0-20 to 560-580
RS-462		
MS-3		
(RMG1)		
175B		

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
in Winn

Results to:

Randy Vance, Winn
Charlotte Ballew, Winn

Comments:

Newmont Standard
Sample prep.

CLIENT FILE COPY

RS-462	0	139.47	-50.01
RS-462	50	141.21	-50.28
RS-462	100	141.28	-50.16
RS-462	150	141.54	-50.85
RS-462	200	139.98	-51.35
RS-462	250	138.82	-52.87
RS-462	300	141.08	-53.09
RS-462	350	142.40	-55.10
RS-462	400	139.80	-54.82
RS-462	450	142.38	-55.78
RS-462	480	140.56	-56.16
RS-462	500	140.64	-56.20
RS-462	550	139.78	-56.32
RS-462	600	139.50	-56.59

Eklund Drilling Company, Inc.
P.O. Box 2748 Elko, Nevada 89803
Ph. (702) 738-1980 Fax: (702) 753-9229

Client Newmont

Date 6-15-99 (TU) Shift Day

Drill # 46 Water Trk. # 44

Pickup # 45 ATV #

Booster # 111 Hours Used 6

Aux. Comp. # Hours Used

Hole # RS462 (Angle 50° /Vertical) (TD@)
(Use a New Log When You Start a New Hole)

Hours Equipment Repair 1 Repair Retract

Mob./Demob. Miles Hours

Location Rosebud

Footage End Shift 405

Footage Start Shift 0

Footage Drilled 405

Hours Drilled 8 1/2

Hours Hauling Water During Shift 1/2 # of loads 1

Hours Hauling Water After Shift # of loads

Hours Casing 1 Hours Cementing

Hours Hole Abandonment 1

Actual Hours Moving Between Holes

Hours Standby 1 survey Hours Cat Work

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

Hole Condition Log

From	To	Condition/Code
0	405	RS462 - 50°A
		4,5,6,9,10
		H_2O @ 265'
		5-9pm

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: We same Drill site
just move Derrik to 50°A

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 #
Con Det	1	5gal	

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #
Abandonite	18	50lb	RS461
Cement	2	94lb	"

CASING

Size	Type	Hole #
94lb	Cement 1 Bag	RS462
50lb	W-60 1 Bag	"

(Circle All Items Chargeable To Client)

Driller Don School

Helper Carl Hymon

Helper Richard Grey

Approved By:

Eklund Drilling Company, Inc.
P.O. Box 2748 Elko, Nevada 89803
Ph. (702) 738-1980 Fax: (702) 753-9229

Client Newmont

Date 6-16-99 Shift Day

Drill # 46 Water Trk. # 44

Pickup # 45 ATV #

Booster # 111 Hours Used 7

Aux. Comp. # Hours Used

Hole # RS 462 463 (Angle 50 TD /Vertical) (TD@)
(Use a New Log When You Start a New Hole)

Hours Equipment Repair

Mob./Demob. Miles Hours

Location Rosebud

Footage End Shift 0 - 185

Footage Start Shift 405 - 585

Footage Drilled 365

Hours Drilled 10

Hours Hauling Water During Shift 1 # of loads 2

Hours Hauling Water After Shift # of loads

Hours Casing . Hours Cementing

Hours Hole Abandonment

Actual Hours Moving Between Holes 1/2

Hours Standby 1/2 Survey Hours Cat Work

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

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:

Materials Used

DRILL BITS (new)

Size	Type	Hole #	Ser. #	Manuf.
1	wiper Rubber			

DRILL BITS (previously used and billed to client)

Size	Type	Hole #	Ser. #	Manuf.

DRILLING MATERIALS

Description	# of Sacks	Size	Hole #
Foam	1		

ABANDONMENT MATERIALS

Description	# of Sacks	Size	Hole #
Abandonite	20	50lb	462
Cement	2	94/lb	

CASING

Size	Type	Hole #

(Circle All Items Chargeable To Client)

Driller Jon School

Helper Carl Hymon

Helper Richard Gray

Approved By:

RS-462

1" = 200'

ROSEBUD MINING COMPANY, LLC.

START HOLE 15th June 99	FINISH HOLE 16 June 99	HOLE # RS-462	
HOLE TYPE RC	LOGGED BY Rogowski		
BEARING S45E	ANGLE -50	T.D 585	
		SURVEYED TO 480	
PAGE 1 OF 4			

COLLAR COORDINATES

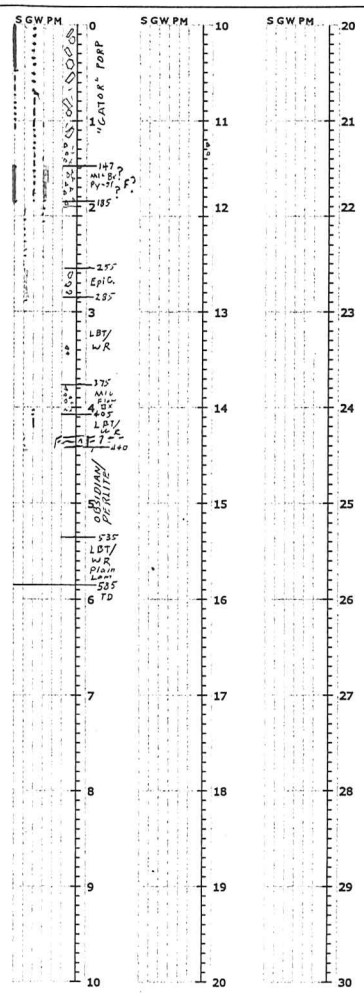
NORTH

EAST

ELEV

DRILLING CO. Ehlund

DRILLER Don Schoerl



ALTERATION INTENSITY

1 WEAK	2 MODERATE	3 STRONG

VERITHIN COLOR

737	SILICIFICATION
751	GREEN CLAY
747½	WHITE CLAY
755	PYRITE
757	MARCASITE

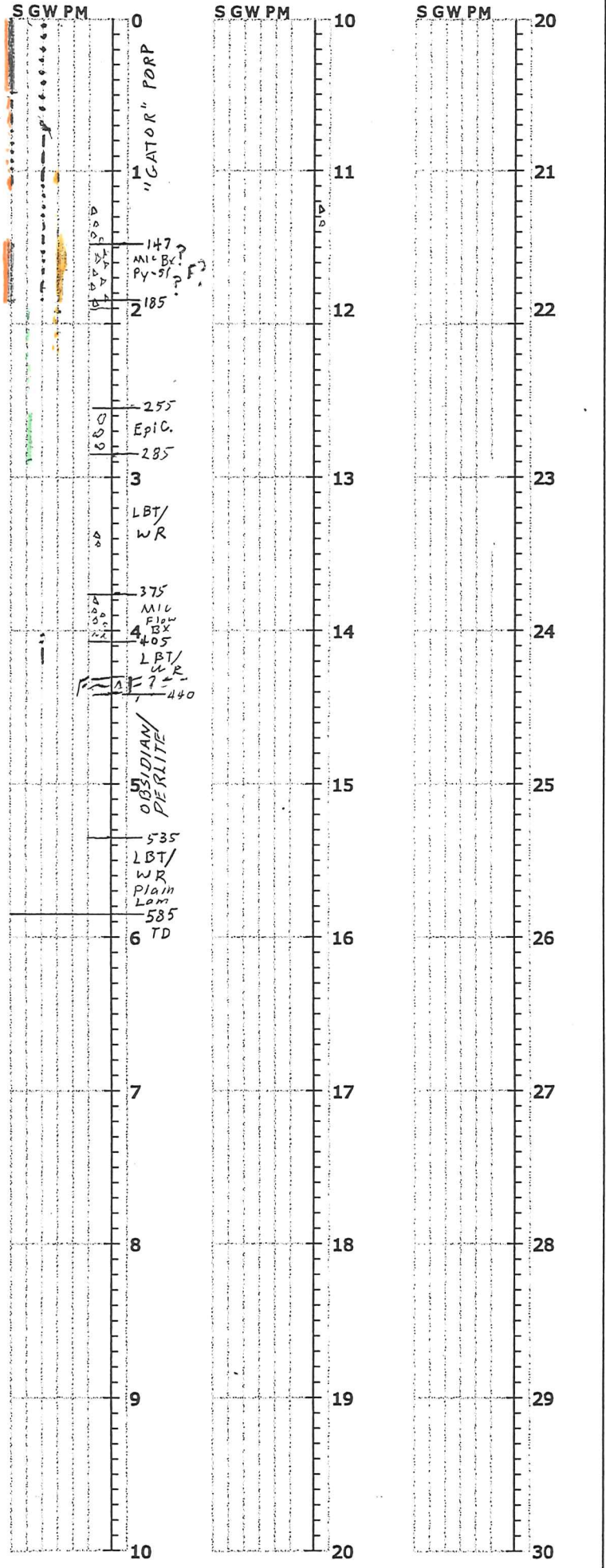
GRAPHIC LOG

VERITHIN COLOR

	BRECCIA
741	FAULT 741
	CONTACT
737	QUARTZ VEIN
741½	CALCITE VEIN
747½	CLAY VEIN
755	PYRITE VEIN

ROSEBUD MINING COMPANY, LLC.

HOLE #	RS-462
START HOLE	15 June 99
FINISH HOLE	16 Jun 99
T.D	585
HOLE TYPE	RC
LOGGED BY	Rogowski
BEARING	S45E
ANGLE	-50
SURVEYED TO	480
PAGE 1 OF	4
COLLAR COORDINATES	
NORTH	
EAST	
ELEV	
DRILLING CO.	Eklund
DRILLER	Don Schoorl



ALTERATION INTENSITY

1 WEAK	2 MODERATE	3 STRONG

VERITHIN COLOR

737	SILICIFICATION
751	GREEN CLAY
747½	WHITE CLAY
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757	MARCASITE

GRAPHIC LOG

VERITHIN COLOR

	BRECCIA
741	FAULT 741
	CONTACT
737	QUARTZ VEIN
741½	CALCITE VEIN
747½	CLAY VEIN
755	PYRITE VEIN

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** -51°

Logged by Rogowski **Area** **Total Depth**

Date 15 June 99 **Coords** N- E- El- **Contractor** Eklund

Page 2 of

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Feet Jtg
											0-70 - "Gator" porphyry,	3	1						1	0		0				1
											Dom plag, some glmor, next, sq	3	1						1							
											Equant Feld then poss sani	3	1						1							
											but not sure. Has Bio &	3	1						1							
		(Post RQL)									poss some Femags - All phenos	3	1						1							
											are strongly clay alt., but	3	1						1							
											matrix is strongly silicified.	3	1						1							
											also has mod to strong earthy	3	1						1							
											yellow alunite on fract up to	3	1						1							
50											2mm wide. Has fine 50	3	1						1							
											diss py - 0 to 5% all ox.	2	1						1	0		0				1
								—				2	1						1							2
												2	1						2							2
											70 - 125, Same "Gator porp,	2	1						2							1
											but much less silicification	1	2						2							2
											and an increase in clay in	1	2						2							2
											the matrix. OxPy very minor.	1	2						2							1
											70-85 - blk coatings on fract, ?	1	2						3							1
								—			? Metacinnabarite	1	2						3							1
100								—			100	1	2						3			0				Tr
												2	1						2	0		3				
												1	1						3			0				
											125-147 - mix of G. Porp &	1	1						2							
											G. Porp Bx	2	1						3							
												1	1						3							
												3	1						3							
								—				3	1						2							
								—				2	2						1			Tr				
		Bx						—			147-185 Py & silica	2	2						Tr			5				Tr
150								X			cemented "micro Bx"? 150	3	1						Tr			+10				0
								X			Appears to be alt LBT micro Bx.	3	1						0	0		+20				
								X			Matrix is silica & very fine xln	3	Tr													
								X			py & poss other sulfides. There	3	1													
		LBT Bx	w/ white & blk Py yellow					X			is also some coarse Py. 90%	3	1									+10				
								X			of Py is cubic & 10% pyrh. The	3	2									+10				
								X			micro clasts < 2mm are 3 clay	3	2									5?				
								X			alt. for most but some are	3	1									10				
											silica	2	2									5				
												2		2								1				
											185-205, Alt. LBT & LBT Bx mix.	1		2								1				
200											200															
											of clay & silica alt with unalt	2	1						Colr LBT	0		Tr				
											red-brn LBT? frags.	1		Tr								Tr				
												1		Tr												
											205-255, wk to mod alt	1	1	1												
											LBT, flow banded & some	1		1												
		Tr Bx									micro Bx w/a matrix of SiO_2, Hem,	Tr		1						Tr						
		Planar Lam ? LBT ?	white spot alt								& a Tr of Py			1						1						
			Drk red Brn and green											1						Tr						
														1						Tr						
														1						Tr						

Newmont Gold Rotary Form

Hole# RS-462
Logged by Rogowski
Date 15 June 99
Area
Coords N- E- El-
Az/Incl
Total Depth 585
Contractor

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay Grn	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Jarosite Feox
250	Poss layer within LBT/WR	Epiclastic	Pale green								255 to 285, ? Epi Clastic? Bud like with ± 90% of clasts of ?LBT?, matrix is very soft, pale green, clay alt. material (could be sed or intrusive) with fresh Bio. & some effer.	0		1					0	1		0				0
														1						Tr						
														3						Tr						
														3						2						
														3						1						
														3						1						
														3						Tr						
														1						0						
													0	0						0						
300													0	0						0						
			Drk Reddish Brown								285-345, Drk Red-Brn Aphyric vol., Flow, ?LBT? has either color or 2nd Hem think this color may be primary, mottled dark & light pale yell alt (clay?) along fract very faint. some Bx. Poss some flow banding → see one feld (sani?)									0						
																				Tr						
																				Tr						
350												0	Tr							0						
	Poss LBT/WR		Drk Red-brn								345-375, Similar to 285 to 345 Color is banded gray & Drk red-Brn From 360 to 375 has abt 10% soft poly green epiclastic, or that may be contam.	0	tr							0						
			Red Brn					?			375-405, same rock, but up to 50% micro? flow Bx? Drk Red Brn, monolithic becoming Bleached toward 405	0	Tr													
								?																		
								?																		
								?																		
400								?																		
	LBT		Lt & Drk Red					?			405 405-430, LBT to 420 420-430 micro bx - diss Py 405 to 415 w/a few silica-Py Rep of matrix	0	tr							0			0			
												Tr	2							0			2			
													1										1			
													1										0			
								?																		
								?																		
							?				430-440 Poss fault, has 50% clay (alt LBT?) green clay			2												
							?							2												
			Vel grn									0	0	3												
450											440-535, Obsidian			0												
			Drk green to Black			OBSIDIAN					440 to 445 - waxy yell-green = Poss devit & clay alt 445 - glassy, black to drk olive green w/ concoid fract ** has Tr of micro glom plag Note: some perlitic text. going from obsidian to perlite? and becoming Lt green & waxy toward 535'. Lighter color reveals un alt Bio.										0						
																				Tr						
																				Tr						
																				0						
500												0	0	0												

Hole# RS-462 **Newmont Gold Rotary Form** **Az/Incl** _____ **Page** 4 of 4

Logged by Rogowski **Area** _____ **Total Depth** 585

Date 16 June 99 **Coords** N- E- El- **Contractor** _____

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite %	Mineralogy: Marcasite %	Mineralogy: Calc/Dolo	Mineralogy: Clay
500	? Part of LBT/WR? or chilled contact	glass? flow	Pale to med gray			OBSIDIAN					440 to 535 (cont) becoming more waxy + soft toward 435 but still shows perlitic rings	0	?												
											Not a fault contact	0	?												
											435 to 585; Planar Laminated LBT/wildrose shows light gray devit along laminations w/ some glassy spots.	0	0	0											
550	LBT/wildrose	Rhyo flow																							
585											585 TD	0													

RSCROTFIELD.DPG Revised 3/17/98

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP053883
METHOD: AAL 01-2 + Se

462

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (775) 356-0606
FAX: (775) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-462 000-020	3.4	1.07	51	4	119	< 3	0.18	0.2	1	29	12	2.64	2514	0.41	17	0.04	125	4	0.06	27	0.009	27	12	8.8	49	9	< .01	< 8	11	< 2	21
RS-462 020-040	1.2	0.83	29	< 3	110	< 3	0.02	< .2	1	16	7	2.09	954	0.4	20	0.01	93	3	0.03	13	0.005	16	11	14.1	26	10	< .01	< 8	6	< 2	19
RS-462 040-060	1.1	0.9	26	< 3	92	< 3	0.01	0.2	1	17	6	1.74	319	0.4	18	0.01	88	3	0.02	15	0.006	13	8	17.8	38	10	< .01	< 8	8	2	19
RS-462 060-080	1.8	0.96	53	< 3	98	< 3	0.01	0.3	1	13	7	2.44	1066	0.47	18	0.01	77	4	0.03	11	0.005	26	12	50.8	39	9	< .01	< 8	10	< 2	20
RS-462 080-100	0.9	0.9	39	< 3	134	< 3	0.01	0.3	1	4	3	3.26	33	0.31	21	0.01	49	3	0.02	3	0.004	19	9	22	16	11	< .01	< 8	5	< 2	8
RS-462 100-120	2	0.84	58	< 3	88	< 3	0.01	< .2	1	11	9	3.07	1033	0.48	14	0.01	88	7	0.02	7	0.006	10	15	33.1	42	7	< .01	< 8	7	< 2	13
RS-462 120-140	3.7	0.69	97	3	101	< 3	0.13	0.2	2	11	9	2.8	3125	0.28	15	0.02	86	13	0.03	6	0.011	17	20	46.7	45	7	< .01	< 8	16	< 2	18
RS-462 140-160	5.5	0.72	75	< 3	55	< 3	0.09	1.8	8	10	9	3.54	3739	0.12	23	0.02	76	16	0.03	7	0.016	16	27	21.5	32	6	< .01	10	2	< 2	57
RS-462 160-180	3.7	0.79	56	3	65	< 3	0.08	0.2	7	9	7	3.13	5135	0.1	20	0.02	66	9	0.02	6	0.022	14	23	15.1	36	6	< .01	< 8	2	< 2	87
RS-462 180-200	0.6	1.22	23	3	72	< 3	0.44	0.3	3	1	3	2.65	806	0.17	24	0.14	110	1	0.05	2	0.047	17	4	2.3	26	7	0.01	< 8	2	< 2	90
RS-462 200-220	< .3	0.89	12	< 3	83	< 3	0.42	0.2	2	5	4	2.66	251	0.17	25	0.07	185	2	0.05	2	0.052	16	4	2	19	7	0.01	< 8	3	< 2	64
RS-462 220-240	< .3	1.26	13	< 3	140	< 3	1	0.4	3	2	4	2.4	188	0.2	23	0.15	850	1	0.06	2	0.04	14	< 3	3.2	35	6	0.01	< 8	2	< 2	66
RS-462 240-260	0.4	1.57	3	< 3	48	< 3	1.29	0.3	3	6	4	1.79	134	0.19	27	0.24	645	1	0.07	3	0.038	14	< 3	0.5	50	7	< .01	< 8	1	< 2	55
RS-462 260-280	0.3	2.09	< 2	< 3	55	< 3	2.25	0.2	2	2	3	1.35	< 5	0.19	31	0.32	770	< 1	0.06	1	0.043	22	< 3	< .1	74	6	< .01	< 8	1	< 2	54
RS-462 280-300	0.3	1.06	3	< 3	40	< 3	0.91	0.2	4	13	7	2.48	< 5	0.19	38	0.16	765	1	0.07	8	0.042	16	< 3	< .1	38	9	0.01	< 8	24	< 2	95
RS-462 300-320	0.5	0.47	7	4	39	< 3	0.21	0.3	5	20	6	3.03	48	0.18	42	0.06	447	2	0.1	10	0.028	16	< 3	0.1	16	13	0.04	< 8	40	< 2	101
RS-462 320-340	0.5	0.45	5	4	34	< 3	0.31	0.2	4	21	8	3.28	38	0.16	42	0.06	569	3	0.08	11	0.027	15	< 3	0.1	14	13	0.04	< 8	40	2	88
RS-462 340-360	0.4	1.23	< 2	< 3	180	< 3	0.8	0.3	7	7	6	2.91	< 5	0.18	57	0.2	3811	< 1	0.08	5	0.023	17	< 3	< .1	29	11	0.01	< 8	23	< 2	159
RS-462 360-380	0.4	1.52	< 2	< 3	45	< 3	0.82	0.5	5	8	4	2.22	< 5	0.18	59	0.26	1983	< 1	0.08	5	0.02	9	< 3	< .1	32	10	< .01	< 8	15	< 2	130
RS-462 380-400	0.6	0.67	4	3	25	< 3	0.12	< .2	1	12	3	1.61	37	0.25	55	0.04	180	2	0.06	6	0.01	16	< 3	0.2	7	12	0.02	< 8	8	< 2	58
RS-462 400-420	0.4	0.55	19	< 3	79	< 3	0.16	0.3	2	6	3	1.57	120	0.21	67	0.04	360	4	0.03	4	0.01	21	< 3	0.8	8	12	0.01	< 8	3	2	175
RS-462 420-440	0.4	0.76	6	< 3	50	< 3	0.27	0.5	2	13	5	1.33	104	0.27	65	0.06	278	2	0.05	8	0.01	17	< 3	0.4	13	12	< .01	< 8	4	< 2	100
RS-462 440-460	< .3	0.96	< 2	< 3	51	< 3	0.59	0.3	1	3	3	0.74	16	0.3	37	0.14	639	2	0.78	3	0.006	8	< 3	0.2	36	7	< .01	< 8	2	< 2	51
RS-462 460-480	< .3	0.52	4	< 3	43	< 3	0.4	0.2	1	7	3	0.85	55	0.21	18	0.06	503	2	1.18	3	0.005	7	< 3	0.9	26	3	< .01	< 8	2	< 2	35
RS-462 480-500	< .3	0.46	< 2	4	31	< 3	0.29	0.2	< 1	6	6	0.95	< 5	0.21	12	0.03	706	2	1.52	4	0.002	5	< 3	0.1	31	2	< .01	< 8	1	< 2	36
RS-462 500-520	0.5	0.74	< 2	3	27	< 3	1.2	0.3	< 1	5	3	0.57	< 5	0.26	35	0.07	726	2	1.08	2	0.004	8	< 3	< .1	40	7	< .01	< 8	1	< 2	21
RS-462 520-540	0.5	1.05	< 2	< 3	31	< 3	1.14	0.3	1	7	3	0.8	< 5	0.2	54	0.1	1291	2	0.44	3	0.007	14	< 3	0.1	45	10	< .01	< 8	1	< 2	28
RS-462 540-560	0.4	0.6	2	< 3	25	< 3	0.12	< .2	1	10	4	1.49	33	0.34	55	0.03	204	1	0.1	5	0.006	11	< 3	0.3	7	12	0.01	< 8	3	3	47
RS-462 560-580	0.6	0.53	2	< 3	20	< 3	0.1	0.3	1	6	3	1.38	< 5	0.26	58	0.02	201	2	0.09	3	0.007	12	< 3	< .1	6	15	0.02	< 8	3	3	75
RS-462 580-585	0.3	0.61	2	< 3	18	< 3	0.12	0.3	1	6	2	1.6	< 5	0.26	58	0.02	161	1	0.09	4	0.008	12	< 3	< .1	6	15	0.02	< 8	4	3	69
STANDARD C3/DS2	5.7	1.82	56	18	149	22	0.57	23.5	13	170	64	3.35	286	0.16	19	0.62	781	26	0.04	37	0.087	37	13	2.5	29	19	0.1	21	82	20	165
STANDARD G-2	< .3	0.95	< 2	< 3	226	< 3	0.65	< .2	5	80	3	2.06	< 5	0.46	8	0.62	558	1	0.07	8	0.094	5	< 3	< .1	71	5	0.14	< 8	42	3	43

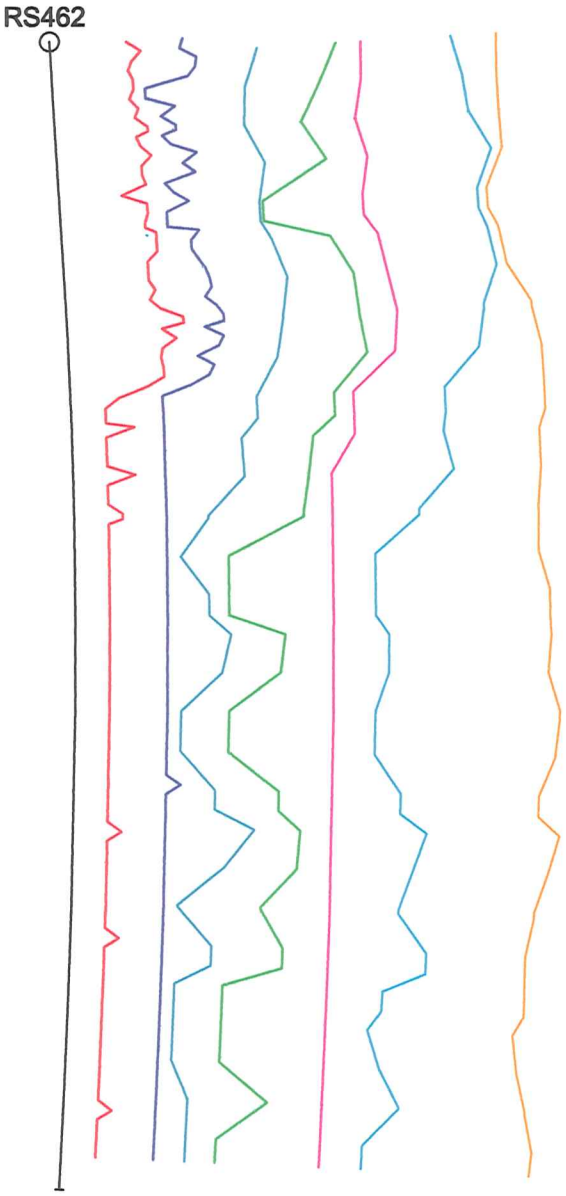
Newmont Gold Company

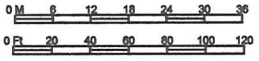
ROSEBUD J.V.

GATOR TARGET MAP

RS462

Au ozt, Ag ozt, As ppm, Sb ppm, Hg ppb, Se ppm, Zn ppm Log10 Line Plots



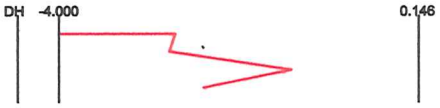


Scale 1:1,200 (1" = 100')

EXPLANATION

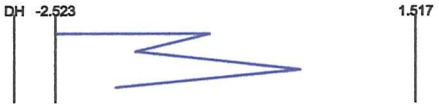
Downhole Aufa_log from auag-log

Line Graph (Arith)



Downhole Agfa_log from auag-log

Line Graph (Arith)



Downhole As_log from icp-log

Line Graph (Arith)

Downhole Hg_log from icp-log

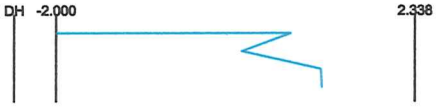
Line Graph (Arith)

Downhole Sb_log from icp-log

Line Graph (Arith)

Downhole Se_log from icp-log

Line Graph (Arith)



Downhole Zn_log from icp-log

Line Graph (Arith)