

## Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY	Pershing
If different from written on document	
TITLE	Monthly Progress Report; Rosebud Mine -
If not obvious	October 1999; November 11, 1999
AUTHOR	Booth, B; Brown, A; Fudge, T; Camron, D; Hartman, S; [REDACTED] Walde, L; Kaufman, R; Miller, C; Stilwell, J; Summers, A; Mullin, J; Wilson, E; Wollant, D; Dean, D; Santti, S; Tempel, T; Shumway, L; Lisle, R; Clayton, R; Dunston, J; Berezny, R; Allen, K; Vance, R; Dexter, M
DATE OF DOC(S)	1999
MULTI_DIST Y / (N?)	
Additional Dist. Nos:	
QUAD_NAME	Sulphur 7.5
P_M_C_NAME	Rosebud Mine; Hecla Mining Co.; Newmont Gold Co., (mine, claim & company names) Rosebud Mining Co., LLC; North Zone; Wildrose
COMMODITY	gold; silver
If not obvious	
NOTES	Monthly progress report; production; correspondence; statements of operation; assay; geology, geologic maps; cross-section  13 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 7/28/08  
Initials Date

DB: \_\_\_\_\_  
Initials Date

SCANNED: \_\_\_\_\_  
Initials Date

HECLA MINING COMPANYMEMORANDUM

November 11, 1999

TO: Ron Clayton  
FROM: Mike Dexter  
SUBJECT: Monthly Progress Report, Rosebud Mine – October 1999

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Attached is the October 1999 Monthly Progress Report for the Rosebud Mine.

MD:lmz

Attachments

cc: Bill Booth

Arthur Brown

Tom Fudge

Don Cameron

Scott Hartman

Mike Callahan

Roger Kauffman - JV Mgmt. Committee

Cindy Miller

John Stilwell

Al Summers

Ed Wilson

Douglas Wollant

Dale Dean

Rick Berezay

Scott Santti - JV Mgmt. Committee

Newmont Gold Company

P.O. Box 669

Carlin, NV 89822

Trent Tempel - JV Mgmt. Committee

Twin Creeks Mine

P.O. Box 69

Golconda, NV 89414

Jim Dunstan - Manager for Milling

Twin Creeks Mine

P.O. Box 69

Golconda, NV 89414

Rick Lisle - Manager for Exploration

Newmont Exploration Limited

861 West Sixth St.

Winnemucca, NV 89445

Patty Bowman - Controller

Newmont Gold Company

PO Box 669

Carlin, NV 89822

Jim Mullin – Sr. Vice President

Newmont Gold Company

555 5<sup>th</sup> St.

Elko, NV 89801



**MINE PERSONNEL AND SAFETY**

**Staff**

During the month, three hourly employees were terminated. Hourly employment is now 65. One salary employee was terminated, reducing salary employment to 24. Total employment is 89.

**Safety**

The great safety record continued and there were no injuries at Rosebud in October. Rosebud employees have now worked 768 days without an MSHA lost-time injury and 129 days without an MSHA reportable injury.

**OPERATIONS**

**Development**

The development crews started stope 12 access. Stope 12 access was advanced 27 feet and stope 12 muckbay was advanced 33 feet for a total of 60 feet.

**Production**

Production from stope #13 was 1,395 tons at a gold grade of .305 opt and a silver grade of 5.46 opt.

Production from stope #31 was 1,637 tons at a gold grade of .420 opt and a silver grade of 0.54 opt.

Production from stope #32 was 4,350 tons at a gold grade of .161 opt and a silver grade of 0.29 opt.

Production from stope #33 was 4,494 tons at a gold grade of .300 opt and a silver grade of 1.39 opt.

Production from stope #34 was 3,283 tons at a gold grade of .198 opt and a silver grade of 0.37 opt

Production from stope #41 was 29 tons at a gold grade of 2.33 opt and a silver grade of 4.68 opt.

Production from stope #42 was 4,936 tons at a gold grade of .294 opt and a silver grade of 1.27 opt.

Production from stope #43 was 4,704 tons at a gold grade of .490 opt and a silver grade of 1.00 opt.

An additional 4,437 tons of waste at a gold grade of .076 opt was mined from the stopes and sorted to the waste pile.

Total ore stockpiled at month's end was 24,828 tons grading .307 Au opt and 1.14 opt silver. Shipment of this material to the Pinon Mill began on October 21.

◆ Hecla Mining Company Rosebud Mine October Monthly Report

**GEOLOGY**

**Production**

Mine calculated (geology) tonnage and grade for ore shipped during the month of October (September's production - October's milling) was overestimated by 569 tons (+3.0%) as compared to survey, and outperformed the model by 1,911 ounces of gold (37.7%) and by 7,593 ounces of silver (122.7%) in the East Zone. Mill results have not been received.

**ENGINEERING**

**Environmental**

It was tentatively decided to not construct the bioremediation pad this year. The program will be evaluated again next year and compared with the option of shipping material off-site to an approved landfill. Permitting efforts for the Water Pollution Control Permit continue, with a meeting planned on site in November. A flowmeter/totalizer was replaced on one of the water wells along Jungo Road as required by state regulations.

**Batch Plant**

A total of 18,759 tons of cemented backfill was placed in the mine during the month. The fill amount and location for each stope are listed below:

Location	High Strength (10% cement)	Medium Strength (4% cement)	Low Strength (3% cement)	Total
Stope 33		2,942 tons	434 tons	3,376 tons
Stope 31		800 tons	1,227 tons	2,027 tons
Stope 41			2,911 tons	2,911 tons
Stope 42		4,064 tons	386 tons	4,450 tons
Stope 34	1,072 tons	1,739 tons	1,074 tons	3,885 tons
Stope 43		635 tons		635 tons
Stope 13		1,382 tons	94 tons	1,475 tons
Total	1,072 tons	11,562 tons	6,125 tons	18,759 tons

◆ Hecla Mining Company Rosebud Mine October Monthly Report

**Mine Planning & General**

One of the water wells, RBW15, was shut down and tagged out because the well has essentially been pumped dry. This was expected to occur sometime this year, which is why RBW17 was brought on line last year.

Instead of putting on another lift to the existing waste dump, it was decided to begin a new waste dump adjacent to portal #1 (behind the batch plant). The new dump road and initial waste pile was constructed.

A preliminary layout for the new St. Louis drift was completed and reviewed by management and operations folks. The engineering group assisted tech services in reviewing a preliminary Greens Creek ore model, and some recommendations were made.

One of the surveyors terminated employment during the month, and he was replaced with an hourly employee from the mine who had prior surveying experience.

**PERFORMANCE**

There were no expensed or capitalized discretionary costs during October. Capitalized costs year-to-date total \$99,818, \$370,182 less than budget. Expensed discretionary costs year-to-date total \$109,191, \$9,191 more than budget.

The mine produced 24,828 ore tons during October, 321 more than budget. The gold grade mined was 0.307 opt, 0.141 less than budget. The silver grade was 1.14 opt, which was 1.38 less than budget. Year-to-date mine production is 237,846 ore tons, 1,957 less than budget, at a gold grade of 0.421 opt, 0.046 opt better than budget, and a silver grade of 1.32 opt, 0.66 opt less than budget.

During October, the mill recovered 6,856 gold ounces and 14,397 silver ounces, 3,553 less gold ounces and 12,817 less silver ounces than budget. Recoveries during the month were 95.7% for gold and 57.1% for silver which is equal to 0.3% less and 2.0% better than budget, respectively.

Year-to-date, the mill has recovered 99,416 gold ounces and 221,633 silver ounces, 15,092 more gold ounces and 37,371 less silver ounces than budget. Year-to-date recoveries are 95.3% for gold and 59.7% for silver, which are 0.7% worse and 4.7% better than budget, respectively.

Production costs for October totaled \$1,643,474 (\$66.20 per ore ton), \$178,240 less than budget (\$8.13 per ore ton less than budget). Year-to-date production costs total \$17,768,903 (\$74.71 per ore ton), \$710,140 less than budget (\$2.34 per ore ton better than budget).

◆ Hecla Mining Company Rosebud Mine October Monthly Report

Joint Venture exploration costs for October totaled \$10,884, which is \$28,716 less than budget. Year-to-date Joint Venture exploration costs total \$1,356,292, which is \$263,392 more than budget. Hecla 100% exploration costs for October and year-to-date totaled \$232,322 and \$343,257, all unbudgeted.

The per gold ounce produced costs achieved during October were:

- |  |           |          |                  |
|--|-----------|----------|------------------|
| • Cash operating cost per gold ounce   | \$ 230.29 | \$ 67.87 | more than budget |
| • Total cash cost per gold ounce       | \$ 246.06 | \$ 65.12 | more than budget |
| • Total production cost per gold ounce | \$ 342.53 | \$ 90.92 | more than budget |

The per-gold-ounce produced costs achieved year-to-date are:

- |  |           |          |                  |
|--|-----------|----------|------------------|
| • Cash operating cost per gold ounce   | \$ 169.87 | \$ 35.61 | less than budget |
| • Total cash cost per gold ounce       | \$ 185.79 | \$ 36.08 | less than budget |
| • Total production cost per gold ounce | \$ 263.03 | \$ 30.20 | less than budget |



The Rosebud Mining Company, LLC (HMC, operator)  
Statements of Operations - Variances to Budget (LLC Agreement Basis of Accounting)

	MONTH			QUARTER TO DATE			YEAR TO DATE		
	Actual	Budget	Variance	Actual	Budget	Variance	Actual	Budget	Variance
October 1999									
Gross production value (GPV)	\$ 88.94	\$ 133.53	\$ (44.59)	\$ 88.94	\$ 133.53	\$ (44.59)	\$ 120.35	\$ 111.43	\$ 8.92
Less: Euro Nevada royalty	(3.56)	(5.34)	1.78	(3.56)	(5.34)	1.78	(4.81)	(4.46)	(0.35)
Less: Shipping and refining	(0.56)	(0.61)	0.05	(0.56)	(0.61)	0.05	(0.67)	(0.57)	(0.10)
Net production value	84.82	127.58	(42.76)	84.82	127.58	(42.76)	114.87	106.40	8.47
Cost of production									
Mine production costs	23.93	21.00	(2.93)	23.93	21.00	(2.93)	23.96	21.00	(2.96)
Fixed mining costs	8.44	8.16	(0.28)	8.44	8.16	(0.28)	9.11	8.34	(0.77)
L.L.C. Development	0.57	5.78	5.21	0.57	5.78	5.21	1.92	4.21	2.29
Milling costs	13.26	17.57	4.31	13.26	17.57	4.31	16.14	18.39	2.25
Trucking and site processing	6.38	9.71	3.33	6.38	9.71	3.33	10.23	10.61	0.38
Site and general administration	7.34	9.57	2.23	7.34	9.57	2.23	9.44	10.36	0.92
Geology	1.71	1.64	(0.07)	1.71	1.64	(0.07)	1.91	1.67	(0.24)
Delineation drilling	-	1.02	1.02	-	1.02	1.02	0.26	0.71	0.45
Engineering	1.19	1.46	0.27	1.19	1.46	0.27	1.25	1.49	0.24
Change in ore stockpile and in-circuit inventory	3.38	(1.58)	(4.96)	3.38	(1.58)	(4.96)	0.49	0.27	(0.22)
Total cost of production	66.20	74.33	8.13	66.20	74.33	8.13	74.71	77.05	2.34
Other costs									
Property taxes	0.30	0.41	0.11	0.30	0.41	0.11	0.32	0.42	0.10
Net proceeds taxes	0.80	2.53	1.73	0.80	2.53	1.73	1.84	1.31	(0.53)
Reclamation expense	1.05	0.91	(0.14)	1.05	0.91	(0.14)	1.13	0.99	(0.14)
Interest (income)	(0.32)	(0.27)	0.05	(0.32)	(0.27)	0.05	(0.22)	(0.27)	(0.05)
(Gain) loss on the sale of fixed assets	-	-	-	-	-	-	(0.04)	-	0.04
Depreciation	25.59	29.11	3.52	25.59	29.11	3.52	31.15	24.10	(7.05)
Total other costs	27.42	32.69	5.27	27.42	32.69	5.27	34.18	26.55	(7.63)
Total operating costs	93.62	107.02	13.40	93.62	107.02	13.40	108.89	103.60	(5.29)
Exploration expenditures - Joint Venture	0.44	1.62	1.18	0.44	1.62	1.18	5.70	4.56	(1.14)
Exploration expenditures - 100% Hecla	9.36	-	(9.36)	9.36	-	(9.36)	1.44	-	(1.44)
Discretionary expenditures	-	-	-	-	-	-	0.46	0.42	(0.04)
Total costs	103.42	108.64	5.22	103.42	108.64	5.22	116.49	108.58	(7.91)
Net income (loss) to Exhibit B	\$ (18.60)	\$ 18.94	\$ (37.54)	\$ (18.60)	\$ 18.94	\$ (37.54)	\$ (1.62)	\$ (2.18)	\$ 0.56
Cash operating cost per gold ounce	\$230.29	\$162.42	(\$67.87)	\$230.29	\$162.42	(\$67.87)	\$169.87	\$205.48	\$35.61
Total cash costs per gold ounce	\$246.06	\$180.94	(\$65.12)	\$246.06	\$180.94	(\$65.12)	\$185.79	\$221.87	\$36.08
Total production costs per gold ounce	\$342.53	\$251.61	(\$90.92)	\$342.53	\$251.61	(\$90.92)	\$263.03	\$293.23	\$30.20
<u>Summary of Production</u>									
Tons of ore mined:	24,828	24,507	321	24,828	24,507	321	237,846	239,803	(1,957)
Gold - ounces per ton	0.307	0.448	(0.141)	0.307	0.448	(0.141)	0.421	0.375	0.046
Silver - ounces per ton	1.14	2.52	(1.38)	1.14	2.52	(1.38)	1.32	1.98	(0.66)
Tons of ore milled:	21,003	22,545	(1,542)	21,003	22,545	(1,542)	237,540	241,199	(3,659)
Gold - ounces per ton	0.335	0.481	(0.146)	0.333	0.481	(0.148)	0.438	0.364	0.074
Silver - ounces per ton	1.23	2.19	(0.96)	1.24	2.19	(0.95)	1.55	1.95	(0.40)
Mill recovery rate - gold	95.7%	96.0%	-0.3%	95.7%	96.0%	-0.3%	95.3%	96.0%	-0.7%
Mill recovery rate - silver	57.1%	55.1%	2.0%	57.4%	55.1%	2.3%	59.7%	55.0%	4.7%
Products produced:									
Gold - ounces	6,856	10,409	(3,553)	6,856	10,409	(3,553)	99,416	84,324	15,092
Silver - ounces	14,397	27,214	(12,817)	14,397	27,214	(12,817)	221,633	259,004	(37,371)
Employees at end of period:									
Hourly	65	75	10	65	75	10	65	75	10
Salary	24	27	3	24	27	3	24	27	3
Capitalized expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,818	\$ 470,000	\$ 370,182

The Rosebud Mining Company, LLC (HMC, operator)  
Statements of Operations - Variances to Budget (LLC Agreement Basis of Accounting)

	MONTH			QUARTER TO DATE			YEAR TO DATE		
	Actual	Budget	Variance	Actual	Budget	Variance	Actual	Budget	Variance
October 1999									
Gross production value (GPV)	\$ 2,208,167	\$ 3,272,377	\$ (1,064,210)	\$ 2,208,167	\$ 3,272,377	\$ (1,064,210)	\$ 28,624,022	\$ 26,721,724	\$ 1,902,298
Less: Euro Nevada royalty	(88,327)	(130,895)	42,568	(88,327)	(130,895)	42,568	(1,144,961)	(1,068,870)	(76,091)
Less: Shipping and refining	(13,816)	(15,049)	1,233	(13,816)	(15,049)	1,233	(159,718)	(137,333)	(22,385)
Net production value	2,106,024	3,126,433	(1,020,409)	2,106,024	3,126,433	(1,020,409)	27,319,343	25,515,521	1,803,822
Cost of production									
Mine production costs	594,068	514,647	(79,421)	594,068	514,647	(79,421)	5,699,646	5,035,863	(663,783)
Fixed mining costs	209,652	200,075	(9,577)	209,652	200,075	(9,577)	2,166,931	2,000,750	(166,181)
L.L.C. Development	14,228	141,750	127,522	14,228	141,750	127,522	457,274	1,009,750	552,476
Milling costs	329,162	430,533	101,371	329,162	430,533	101,371	3,837,873	4,410,401	572,528
Trucking and site processing	158,314	237,886	79,572	158,314	237,886	79,572	2,432,455	2,545,035	112,580
Site and general administration	182,165	234,625	52,460	182,165	234,625	52,460	2,245,731	2,483,950	238,219
Geology	42,438	40,100	(2,338)	42,438	40,100	(2,338)	455,216	401,000	(54,216)
Delinquent drilling	-	25,000	25,000	-	25,000	25,000	61,222	170,000	108,778
Engineering	29,544	35,800	6,256	29,544	35,800	6,256	297,015	358,000	60,985
Change in ore stockpile and in-circuit inventory	83,903	(38,702)	(122,605)	83,903	(38,702)	(122,605)	115,540	64,294	(51,246)
Total cost of production	1,643,474	1,821,714	178,240	1,643,474	1,821,714	178,240	17,768,903	18,479,043	710,140
Other costs									
Property taxes	7,500	10,000	2,500	7,500	10,000	2,500	75,000	100,000	25,000
Net proceeds taxes	19,752	61,915	42,163	19,752	61,915	42,163	437,815	313,615	(124,200)
Reclamation expense	26,023	22,243	(3,780)	26,023	22,243	(3,780)	269,596	237,969	(31,627)
Interest (income)	(7,910)	(6,500)	1,410	(7,910)	(6,500)	1,410	(53,080)	(65,000)	(11,920)
(Gain) loss on the sale of fixed assets	-	-	-	-	-	-	(8,981)	-	8,981
Depreciation	635,358	713,390	78,032	635,358	713,390	78,032	7,409,081	5,779,224	(1,629,857)
Total other costs	680,723	801,048	120,325	680,723	801,048	120,325	8,129,431	6,365,808	(1,763,623)
Total operating costs	2,324,197	2,622,762	298,565	2,324,197	2,622,762	298,565	25,898,334	24,844,851	(1,053,483)
Exploration expenditures - Joint Venture	10,884	39,600	28,716	10,884	39,600	28,716	1,356,292	1,092,900	(263,392)
Exploration expenditures - 100% Hecla	232,322	-	(232,322)	232,322	-	(232,322)	343,257	-	(343,257)
Discretionary expenditures	-	-	-	-	-	-	109,191	100,000	(9,191)
Total costs	2,567,403	2,662,362	94,959	2,567,403	2,662,362	94,959	27,707,074	26,037,751	(1,669,323)
Net income (loss) to Exhibit B	\$ (461,379)	\$ 464,071	\$ (925,450)	\$ (461,379)	\$ 464,071	\$ (925,450)	\$ (387,731)	\$ (522,230)	\$ 134,499
Cash operating cost per gold ounce	\$230.29	\$162.42	(\$67.87)	\$230.29	\$162.42	(\$67.87)	\$169.87	\$205.48	\$35.61
Total cash costs per gold ounce	\$246.06	\$180.94	(\$65.12)	\$246.06	\$180.94	(\$65.12)	\$185.79	\$221.87	\$36.08
Total production costs per gold ounce	\$342.53	\$251.61	(\$90.92)	\$342.53	\$251.61	(\$90.92)	\$263.03	\$293.23	\$30.20
<b>Summary of Production</b>									
Tons of ore mined:	24,828	24,507	321	24,828	24,507	321	237,846	239,803	(1,957)
Gold - ounces per ton	0.307	0.448	(0.141)	0.307	0.448	(0.141)	0.421	0.375	0.046
Silver - ounces per ton	1.14	2.52	(1.38)	1.14	2.52	(1.38)	1.32	1.98	(0.66)
Tons of ore milled:	21,003	22,545	(1,542)	21,003	22,545	(1,542)	237,540	241,199	(3,659)
Gold - ounces per ton	0.335	0.481	(0.146)	0.333	0.481	(0.148)	0.438	0.364	0.074
Silver - ounces per ton	1.23	2.19	(0.96)	1.24	2.19	(0.95)	1.55	1.95	(0.40)
Mill recovery rate - gold	95.7%	96.0%	-0.3%	95.7%	96.0%	-0.3%	95.3%	96.0%	-0.7%
Mill recovery rate - silver	57.1%	55.1%	2.0%	57.4%	55.1%	2.3%	59.7%	55.0%	4.7%
Products produced:									
Gold - ounces	6,856	10,409	(3,553)	6,856	10,409	(3,553)	99,416	84,324	15,092
Silver - ounces	14,397	27,214	(12,817)	14,397	27,214	(12,817)	221,653	259,004	(37,371)
Employees at end of period:									
Hourly	65	75	10	65	75	10	65	75	10
Salary	24	27	3	24	27	3	24	27	3
Capitalized expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,818	\$ 470,000	\$ 370,182



The Rosebud Mining Company, LLC  
Hecla Mining Company, Operator  
Discretionary Cost Statement  
(LLC Agreement Basis of Accounting)

October 1999	MONTH			YEAR TO DATE			INCEPTION TO DATE		
	Actual	Budget	Variance	Actual	Budget	Variance	Actual	Budget	Variance
Capitalized Discretionary									
Total Capital Spending through 1998	-	-	-	-	-	-	18,977,867	25,615,591	6,637,724
Vehicles:									
Light pickup trucks (0402) 92-2210-672	-	-	-	-	60,000	60,000	-	60,000	60,000
Equipment:									
Water Well #4 (0402) 92-2210-605	-	-	-	-	60,000	60,000	-	60,000	60,000
U/G equipment (0402) 92-2210-xxx	-	-	-	-	-	-	-	-	-
Development:									
U/G development (0401) 92-2110-xxx and (0402) 92	-	-	-	99,818	350,000	250,182	99,818	350,000	250,182
Total Capitalized Discretionary	\$ -	\$ -	\$ -	\$ 99,818	\$ 470,000	\$ 370,182	\$ 19,077,685	\$ 26,085,591	\$ 7,007,906
Expensed Discretionary									
Total Discretionary Spending through 1998	-	-	-	-	-	-	405,140	407,506	2,366
Bioremediation Site (9126) 99-0001-xxx	-	-	-	-	40,000	40,000	-	40,000	40,000
Underground equipment rebuilds (9126) 99-0002-xxx	-	-	-	109,191	60,000	(49,191)	109,191	60,000	(49,191)
	-	-	-	-	-	-	-	-	-
Total Expensed Discretionary	\$ -	\$ -	\$ -	\$ 109,191	\$ 100,000	\$ (9,191)	\$ 514,331	\$ 507,506	\$ (6,825)

480750 E

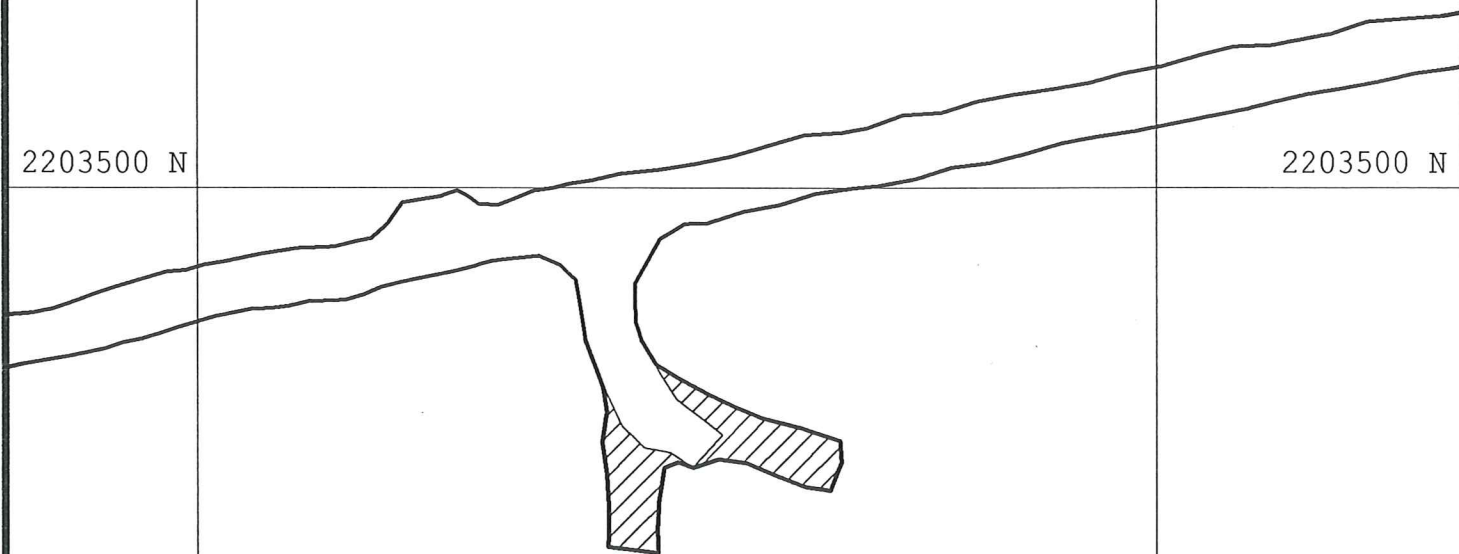
481000 E

2203500 N

2203500 N

480750 E

481000 E



HECLA MINING COMPANY - ROSEBUD MINE

Development  
October 1999 - Stope 12

DATE:

03-Nov-99

DRAWN BY:

MJB

**Newmont Mining Corporation  
Rosebud Mining Company LLC**

**To:** Mike Dexter  
cc: Kurt Allen  
Ron Clayton

**Date:** November 8, 1999

**Fr:** R. B. Vance

**Subj:** Rosebud Exploration Monthly Report: **October, 1999**

### **Geology**

Peter Mitchell has nearly completed delineation of a drill target at the **Wildrose** prospect. A target is identified down-plunge of a flexure in the Wildrose (aka Sulphur Duke or Lizard) fault, where a classic dilational jog increases the width of intense alteration and structural complexity to approximately 350 feet (Figures 1 and 2). Individual fault planes within the fault zone show varied strike and dips, and average N35°E, 45°NW. The bend in the fault strikes N10°E. Numerous mullions and slickensides within the silicified and argillized rhyolite plunge northwest. The Wildrose fault is interpreted to be a complex detachment fault that formed in response to extensional normal faulting along the western flank of the Kamma Mountains. The timing of this movement, relative to Rosebud and the nearby Hycroft deposits, is not yet well-defined.

From individual faults outward, the alteration mineral assemblages are zoned kaolinite-silica-alunite-pyrite to kaolinite ( $\pm$  silica-montmorillonite) to montmorillonite.

Rock sampling of fracture coatings and veinlets along the 1.5-mile strike length yielded a sample of 3 ppm gold within the core of the target, which is second only to a 6.8 ppm sample collected earlier. Mercury is strongly anomalous (3-20 ppm is common), whereas As (30-200 ppm), Sb (10-60 ppm), and Se (2-10 ppm) are similar to Rosebud ore.

Five rock samples were submitted to Chris Henry of the Nevada Bureau of Mines and Geology for radiometric age-dating using the  $^{40}\text{Ar}/^{39}\text{Ar}$  method. The age-dates will give us the age of the Chocolate Formation (near the top of the Kamma Mountain volcanic stratigraphic sequence), the age of BMP and RQL intrusive events, and possibly the age of mineralization of the Rosebud deposits. Three of the samples contain sanidine phenocrysts; the two from the deposits are illite and alunite. Results are expected before the end of the year. The age-dating was summarized in a two-page memo.

### **Near-Mine Exploration**

Underground hole RS-D365-99, drilled by Hecla down-dip of the North Zone deposit, intersected 16 feet of 0.445 oz/st Au and 1.32 oz/st Ag. A lower intercept contained 9 feet of 0.245 oz/st Au and 1.11 oz/st Ag. These intercepts occur at the same elevation and



400 feet southwest of encouraging intercepts in RS-D345-99, an exploration hole drilled in April that contained four intervals of ore-grade gold, including 12 feet of 0.522 oz/st Au. Follow-up holes by Hecla are planned during November.

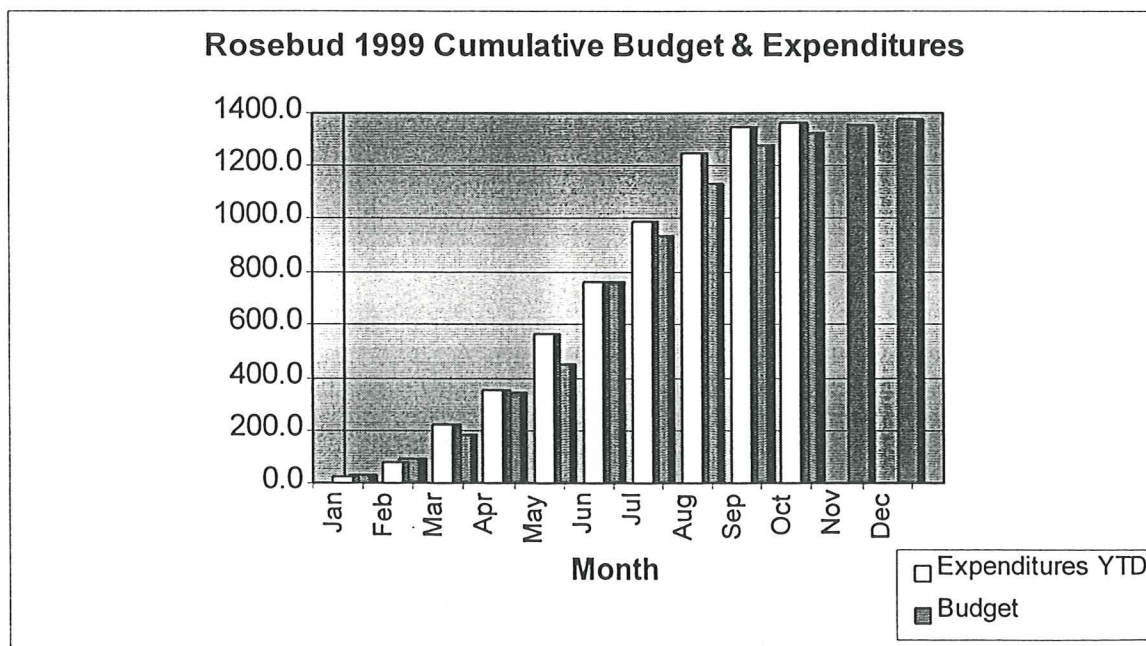
### Reclamation

Approximately 8 acres of exploration disturbance will be reclaimed during November. This amount is nearly equal to the amount disturbed in 1999.

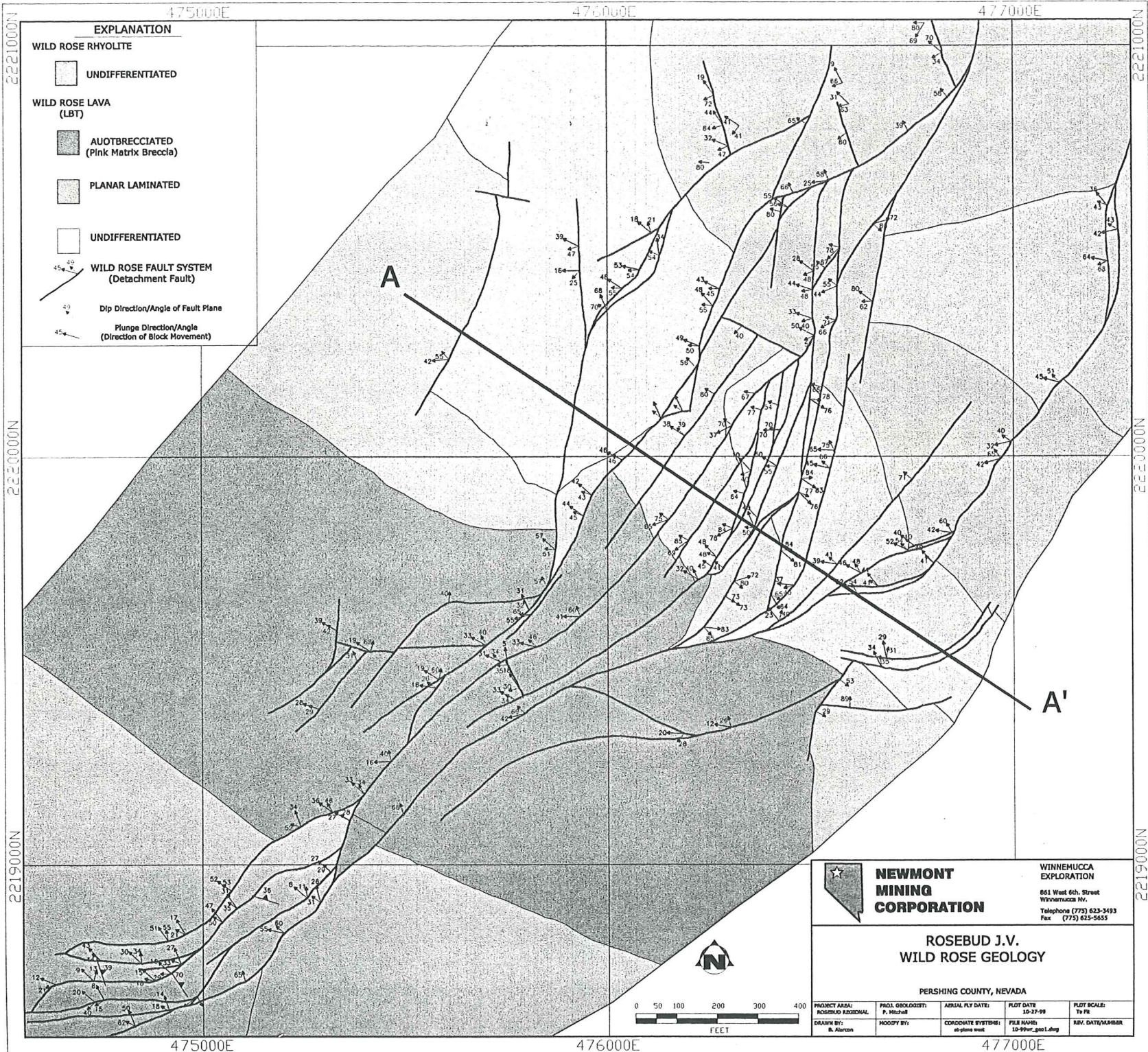
### Administration

The Rosebud exploration expenditure during October was \$10,884, bringing the YTD expenditure to \$1,356,294 (98.6% of the revised budget) (Table 1). The last major expenditure for the year is reclamation, where \$20,000 is budgeted. Salaries are expected to continue to decrease, as activities by Newmont staff wind down for the year.

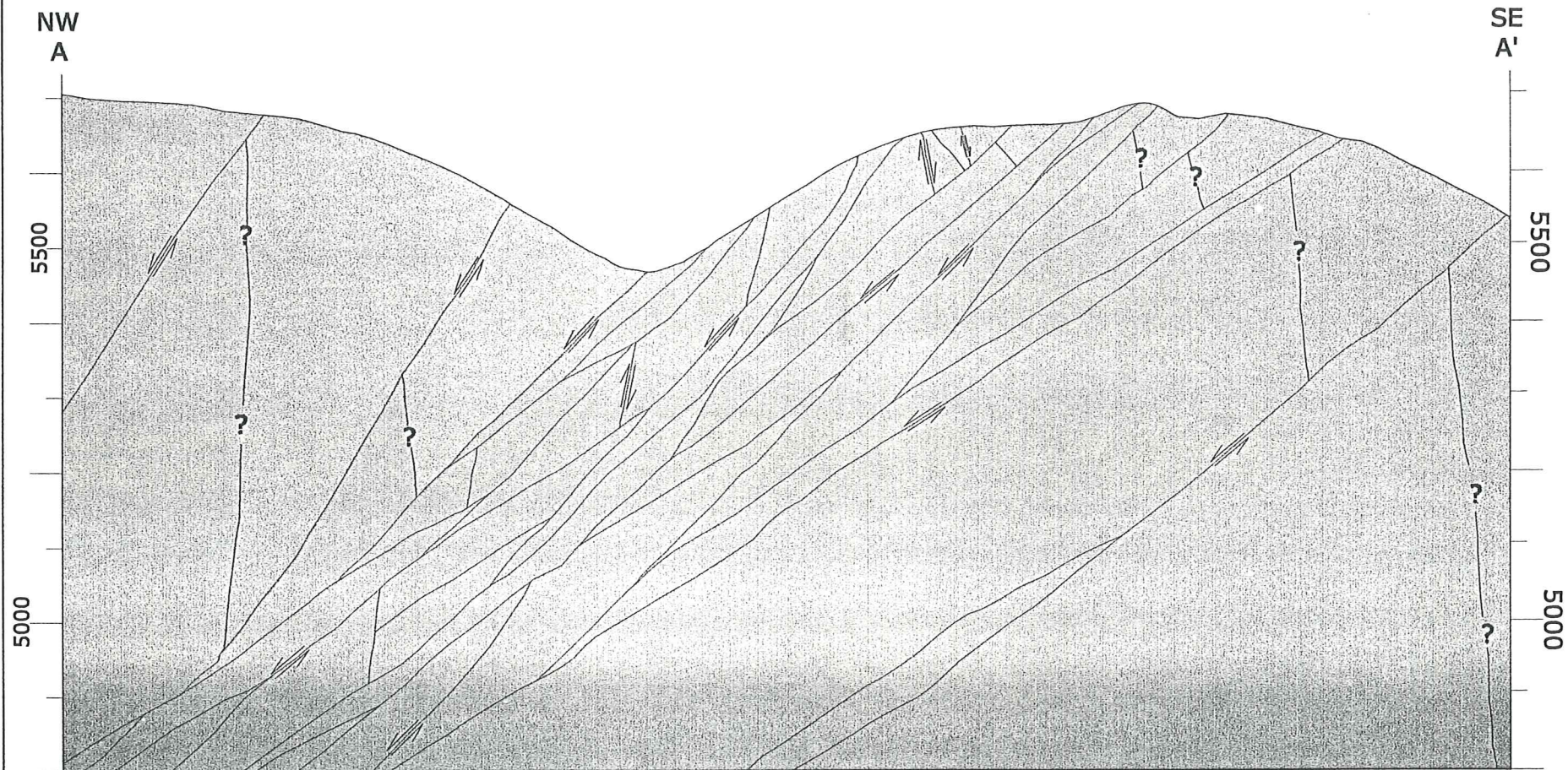
Table 1.











# EXPLANATION

WILD ROSE RHYOLITE



UNDIFFERENTIATED

WILD ROSE LAVA  
(LBT)



PLANAR LAMINATED



**NEWMONT  
MINING  
CORPORATION**

WINNEMUCCA  
EXPLORATION

861 West 6th Street  
Winnemucca, NV.  
Telephone (775) 623-3493  
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**ROSEBUD J.V.  
WILD ROSE GEOLOGY**

PERSHING COUNTY, NEVADA

PROJECT AREA: ROSEBUD REGIONAL	PROJ. GEOLOGIST: P. Mitchell	AERIAL FLY DATE: 10-27-99	PLAT DATE: 10-27-99	PLAT SCALE: 1" = 100'
DRAWN BY: B. Alcorn	MOODY BY:	COORDINATE SYSTEMS: NAD 83	FILE NAME: wrm-rosebud.dwg	REV. DATE/NUMBER: