

-REPORT ON-

THE TOMBOY GOLD MINES COMPANY
LIMITED

SAN MIGUEL COUNTY

For The Year 1900

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COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

MINE MANAGER'S REPORT

PAGE 585

STATE BUREAU OF MINES

STATE OF COLORADO

THE TOMBOY GOLD MINES COMPANY

LIMITED

Telluride, Colorado,
July 15th, 1900

Gentlemen,

I beg to report as follows concerning the operations at your property since the transfer to the new Company, September 1st, 1899.

THE MINE

During the period referred to, the development work in the Mine has been as follows:-

Drifts	...	...	...	...	...	2,401 feet
Raises	...	...	...	...	...	1,103 "
Cross-cuts	...	...	...	...	...	152 "
Shaft sinking	...	...	...	...	...	109 "

Total	...	...	...	...	...	5,765 feet

The greater part of this work has been done on the 300, 700 and 800 Levels. Very much better progress could have been made had we not been handicapped by imperfect hoisting facilities. I am pleased to report the satisfactory installation of a large double drum hoisting engine, and our progress, especially in the lower levels, from now on, should be much more rapid.

ORE RESERVES

To all intents and purposes the ore above the 200 Level is exhausted. Recently, however, in drawing from this portion of the Mine, we have discovered considerable ore which appears to have been lost in caves. We think we may be able to recover probably 10,000 tons of a milling grade from these stopes.

Over the 300 Level we now have in sight about 50,000 tons, most of which is of good grade. This amount may be increased by further development on this level.

Between the 300 and 600 Levels, a very large tonnage (probably 200,000 tons) has been opened up. With the exception, however, of occasional shoots of rich ore, this tonnage must be called low grade. Our comparatively high operating expenses preclude the possibility of milling very much of this ore under existing circumstances, but improved conditions will allow a large proportion to be milled at a profit. The ore between these levels varies in many respects from that in the upper Mine, being much harder and without the gouge or talc on the hanging wall, which was so persistent in the old stopes.

A short distance above the 600 Level there seems to be a return of the well-known Tomboy characteristics, and although sulphide ore is seen in large quantities, the general appearance of the quartz coincides with that in the upper Mine, and talc is again in evidence. This condition of affairs is still more marked below the 600 Level.

On the 700 Level two ore-bodies have been opened up, which appear to have their apexes at or near the 600 Level. In both of these the vein appears as in the upper Mine, and there is still more resemblance to the productive ore of past years in recent developments on the 800 Level, where the vein is stronger and more oxidised than it has been on any level below the 300.

It is as yet too early to estimate the tonnage below the 600 Level, but if the ore-bodies are as long on the 800 as on the 700, we should have at least 30,000 tons available, with prospects favourable for a larger tonnage and indications that the vein will be still better below the 800.

THE MILL

No change has been made in the mode of treatment or in the machinery pertaining to the milling plant. Much has, however, been done in repair work and in bringing the Mill up to the highest possible grade of efficiency. There have been few delays on account of accidents to machinery, and the results obtained have been highly satisfactory.

THE ARGENTINE, RED CLOUD, CHAMPION AND CHIEFTAIN MINING CLAIMS.

The Company has obtained a bond on four claims controlling the apex of what is known as the Elephant-Cincinnati-Argentine Vein. This is the strongest vein in the district, at least as far as surface indications are concerned. Very little work has been done on it, and all values heretofore found have consisted in small but very rich pockets of gold-bearing quartz. On the Red Cloud claim, the vein shows a good grade of smelting ore, and we expect to find a milling grade of sulphide ore in drifting to the east from the Argentine workings. The work that we have done to date, although not showing a milling grade of ore, is encouraging.

I attach hereto a statement showing the receipts and expenditures from September 1st, 1899, to June 30th, 1900, from which we obtain the following summary of

REVENUE AND EXPENSES.

46,716 dry tons ore milled, yielding bullion and concentrates,					
				worth,	\$457,219.09
72 tons crude, realized ... ..	...	...	...	...	1,533.02
Rents, sales of material, &c., &c..	...	...	...	...	4,931.33
					<hr/>
Total Revenue.	...	...	...	...	\$463,683.44
Mining Expenses, at \$3.77 per ton..	...	...	...	\$176,464.01	
Milling Expenses, at \$1.87 per ton.	...	...	...	87,250.43	
General Expenses at \$0.51 per ton..	23,668.03	
Improvement Account	15,692.91	
					<hr/>
					305,075.43
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Surplus	\$160,608.01
					<hr/>

Yours faithfully,

J. Herron, Manager.

Table of Returns from June, 1899, to September, 1900, inclusive.

Month	Tons of ore crushed	Value of Yield	Sundry Receipts	Total Receipts	Expenses	Profit
	1899	\$	\$	\$	\$	\$
June ...	4,063	51,912.27	1,070.60	52,982.87	35,108.94	17,873.93
July ...	4,500	54,525.23	5,300.00	59,825.23	36,942.31	22,882.92
August ...	5,000	53,527.41	624.27	54,151.68	36,824.04	17,327.64
September...	4,648	54,718.78	300.00	55,018.78	31,497.93	23,520.85
October ...	4,974	54,313.11	475.00	54,788.11	31,125.32	23,662.79
November ...	4,688	44,339.93	512.96	44,852.89	28,156.68	16,696.21
December ...	4,560	39,294.09	686.75	39,980.84	29,875.23	10,105.61
	1900					
January ...	4,942	38,646.64	925.72	39,572.36	27,117.72	12,454.64
February ...	4,048	28,895.31	390.82	29,286.13	26,756.10	2,530.03
March ...	4,846	44,599.97	882.04	45,482.01	26,416.02	19,065.99
April ...	4,966	54,758.44	554.81	55,313.25	33,047.67	22,265.58
May ...	4,605	45,766.65	1,325.00	47,091.65	33,144.78	13,946.87
June ...	4,439	51,886.17	411.25	52,297.42	39,324.68	12,972.74
July ...	4,282	49,923.83	333.76	50,257.59	35,246.54	15,011.05
August ...	4,330	59,193.86	1,791.16	60,985.02	35,820.87	25,164.15
September...	4,400	57,000.00	...	57,000.00	32,000.00	25,000.00

* This includes \$5,000 law costs recovered. † Approximate returns per cable

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