

THE GOLD QUARTZ MINING COMPANY

LOCATION

The claims of the Gold Quartz Mining Company are located in the Cortez Mountains, in the Bullion Mining District, Eureka County, Nevada.

The District lies twenty-five miles South of Beowawe, a station on the Southern Pacific about 276 miles West of Odgen.

There are two towns in the District, Bullion, or as it is now named, Lander, and Tenabo. These towns are separated by a low range, and are one and one half miles apart on a straight line, but four miles apart by wagon road.

The Gold Quartz Mine is about one half mile from the town of Tenabo.

GEOLOGY

The country rock of the District is quartzite and limestone. These are cut by intrusive porphyry dikes.

There seems to be three distinct mineral belts. The one in which the Gold Quartz Mine is located is a free milling gold belt. This is about one mile wide. Then comes a belt with the principal values in silver and copper, finally a belt very similar to the first, the values being entirely of gold and free milling.

HISTORICAL For some time the presence of rich silver ore was known in the District, and in two places this was mined and the ore was shipped to Salt Lake. It was, however, only within the last year and a half that the presence of gold was discovered.

THE PROPERTY The property of the Gold Quartz Mining Company consists of thirteen full claims. These are divided into three groups. The principal group consists of five claims: The Jumbo, Boulder, Giant, Azax (j) and Hercules, as shown on tracing 2, attached, and it is on these that the principal development has been done.

TITLE These claims were the first located in this part of the District, and have therefore prior title over all other claims.

GEOLOGY The country rock is quartzite. This is cut by intrusive porphyry dikes. This seems to have shattered and altered the quartzite and later ascending waters deposited the mineral from solution in the crevices so formed. There is a marked absence of anything that could be called a vein, there being no hanging nor foot wall visible, nor anything that could be called a gangue or vein filling.

PRESENT DEVELOPMENT In several places on the property pockets of rich ore were found and three cars of ore were shipped, which assayed from \$50.00 to \$75.00. Small values were found on the surface near

where the present shaft is situated. This was \$8.00, but on following it down fifteen feet the values increased to \$40.00. This preliminary shaft is shown in tracing 1. Then a working shaft was started with a hoisting compartment four feet by four feet (4' x 4') and a manway four feet by eighteen inches (4' x 18").

When this was down thirty-five feet (35') a crosscut was run from the shaft, and at a distance of fifteen feet (15') ore was encountered. Drifts were run as shown on tracing 1. At the points marked A and B the ore was in the bottom of the drifts, and for this reason a winze was sunk at A. Out of the ore which was extracted in running these drifts, which is estimated at 400 tons, three cars, or a total of sixty tons of high grade ore were shipped to the smelter and the returns from the first two cars are enclosed, while the returns from the last car have not been received. Considering that the ore shipped assayed over \$100.00 this is a remarkable showing.

The big block of ore as shown in the plan of tracing 1 remains intact, and if one-seventh of this will assay \$100.00 it is worth many thousand dollars.

There is ore in the winze to within five feet of the bottom, when a barren quartzite horse comes in and cuts off the values. (This is now in ore. pencil note)

Samples taken from these workings were as follows:

No. 1	25 feet down, winze across five ft. two in.	\$36.80
No. 2	10 " " " five ft.	68.00
No. 3	10 " from " " four feet	69.60
No. 4	15 " " " four ft.	78.40
No. 5	at intersection of drifts across six ft.	85.20
No. 6	15 feet from No. 5 across six feet	21.60
No. 7	at end of drift at B across three ft.	296.40
No. 8	Sample of second grade dump	7.60

Nos. 1-5, inclusive are of high grade ore and No. 6 is a random sample across the side of the drift.

The points from which these samples were taken are shown on tracing 1.

The shaft was continued to the one hundred and twenty-five foot level and on the one hundred foot level a cross-cut has been run twenty-five feet north to cut the ore shoot. It will probably have to go seventy-five feet from the shaft to reach the ore.

LEASES

In addition to the Company work three leasers are at work as shown on tracing 2, and all have ore, though no great quantity of it as yet. But this shows that the adjoining ground carries values that will pay to mill.

THE ORE

The ore near the surface is free milling. A little arsenopyrite is coming in and if the values run in this, as is very likely, it will make a fine concentrating proposition.

CONCLUSION

Water can no doubt be developed, and as the railroad is but twenty-five miles distant, over a good level road, mining can be carried on very profitably. The presence of this sized ore bodies so near the surface is extraordinary.

There does not seem to be any reason to doubt but that the ore will continue in depth, and the values should even increase, as is shown by the fact that they continued to get better from the surface to the thirty-five foot level.

It is one of the best prospects in the State, and has every chance of making a mine.

Respectfully submitted,

(Signed)

R. M. Jones, E.M.

SMELTER RETURNS

August shipment	Received A.S. & R. September 4th
Gross Weight	Salt Lake 38,000 pounds
Net Weight	33,837 pounds
Assay 5.48 oz. Gold per ton.	Gold at \$19.50 per oz.
Gross per ton	- - - - \$ 106.86
Less treatment	- - - - 5.62
Net per ton	- - - - 101.24
Total	- - - - \$ 1,712.83
Freight	- - - - 141.55
Check received	- - - - \$1,571.28

In addition was a cost of \$6.00 per ton hauling from Mine to Railroad.

September shipment. Received Taylor & Brunton
Salt Lake October 10th

Gross Weight	44,020 pounds
Net weight	39,300 pounds
Gold 5.845 oz. gold per ton	
Total - - - - -	\$2,022.78
Less Freight	<u>163.97</u>
	\$1,918.77
	\$1,858.81 ?

October shipment. Returns not received to date.
Gross Weight 42,000 pounds
Assay 5.0 oz gold per ton.