

REPORT ON OCCIDENTAL SILVER MINES AND MILLING CO OF NEVADA.

GENERAL DESCRIPTION

ITEM 157

The property consists of the following patented mining claims; OCCIDENTAL, SOUTH OCCIDENTAL, WEST OCCIDENTAL, EDWARDS, DEAN, STAR KIND, and SILVER KIND, in all 103 acres.

The group is situated in the Washoe Mining District near Virginia City, Nevada, and covers a portion of what is known as the Brunswick or Occidental Lode, At about one mile East of the Comstock Lode.

The mine was owned and originally worked by the late Senator James G. Fair, and under his management it is generally known in the district to have been a large producer of high silver values. Unfortunately the old records are not available at present time, same having been lost at the time of the San Francisco Earthquake in 1906, when the company's city office was destroyed, however judging from the amount of work done and the size of the openings under-ground, it would be fair to say that the mine has produced over \$2,000,000 .

There are three known veins on the property, two of these veins have been largely developed in the Occidental and West Occidental Claims; The principal vein known as the East Vein has a strike of nearly north and south and dips about 45 degrees to the East and outcrops boldly throughout the Occidental claim, the other, which is known as the West Vein, strikes north, and East about 25 degrees, with a similar dip as the East Vein, All of the ore that has been extracted from the mine, has come from these two veins, the third Vein known as the Edwards Vein strikes about north and south through the Edwards Claim, and at about 500 feet to the East of the Occidental workings, This Vein has practically no development work done upon it, excepting for a shaft 110 feet deep and a cross-cut to the vein at that level, The vein at that point showing a width of 23 feet, and an

average value of \$7.00 per ton, as given in the superintendent's weekly report at that time. However I have not been able to verify this report as the works at this point are badly caved. No further work was done on this vein, as the entire property was closed down shortly afterwards, in 1898, owing to the low price of silver, and has remained down to date.

The main workings on the Occidental and Dean Claims are opened by two adits driven on the main or East Vein, One on the 350 level, 1500 feet in length, and the other on the 550 level, 2700 feet. At a point about 2000 feet in on the 550 level an incline winze has been sunk, developing the 650 and 750 levels. Altogether there has been about 22000 feet of workings opened up in the mine.

The mine on all levels is in splendid condition, and could resume working condition within 30 days.

GEOLOGY

The Vein is a fault fissure in what is termed as the 'Augite Andesite'; The gangue minerals are quartz and calcite. The quartz is often from 20 to 30 feet thick, with a heavy gouge on the hanging, and a distinct parting with little gouge on the foot-wall. Only two faults thus far noted in the mine, and these of no apparent economic importance.

VALUE

The Occidental property is a large mine, containing as it does several miles of underground workings, A thorough sampling of which would take months of time, and a large force of men. Therefore with the exception of a few key samples taken on the lower levels, which disclosed several ore-shoots, giving assays of from .10 Ounces gold, and 2.80 ounces silver, to .16 ounces gold and 12.24 ounces silver, most of my work has been confined to the upper tunnel or 350 level. On this level, a considerable number of samples have been taken of the remaining ore-bodies, along the strike for

(3)

something over 1000 feet, The Pro Rata of the samples taken on this level, give as a general average of the workable ore-bodies a value of .14 ounce gold and 4.80 ounces silver per ton, over an average width of vein of 9 feet 3 inches.

Milling tests made on this ore has resulted as follows; Taking ore of the lowest grade for the purpose of tests by flotation process; Head sample .03 ounces gold and 2.05 ounces silver, Giving returns of 2.45 per cent concentrates, valued at .92 gold and 73.10 ounces silver per ton, Thus showing that even ore of such low grade as the above mentioned heads, could be worked at a profit by the company, as mining and milling cost should not exceed \$2.00 per ton.

COST

MINING	\$.75
MILLING	1.00
MAINTENANCE AND DEPRECIATION	.15
MANAGEMENT AND GENERAL EXPENSE	<u>.10</u>
Total	\$ 2.00

Capital required; for necessary equipment of property and working fund;

MILL	\$60.000
MINE	40.000
WORKING BALANCE	<u>50.000</u>
Total	150.000

IN CONCLUSION

Wish to state that the Occidental is a large low grade mine, with sufficient ore in sight to keep a milling plant of two hundred tons per day, in operation for several years, and

(4)

is a safe commercial investment.

In addition to this, it offers very attractive possibilities from the speculative point of view, for the following reasons, - 1st, The great main vein of this group has not been developed to any great depth, only 750 feet, If we take into account the fact that the best of the ore-bodies on the Comstock have been developed at, and below the 1000 foot levels, We can realize that the Occidental may have a great future below present levels,

2nd; - The Star King, Silver King and Edwards Claims, Of this group are all virgin ground, well Mineralized, And well worth exploration, and should prove a valuable asset to the company.

Respectfully submitted

(Signed) CHAS. F. EUVAL.

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