

R E P O R T O N

OPHIR PROPERTY

West Cliff,

Custer County,

Colorado.

by

W. J. Martine E. M.

LIBRARY
COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

Report furnished by: W. J. Martine, Denver, Colorado.

Denver, Colo., Oct. 19, 1929.

Mr. Roy C. Salsbury,

I herewith present for your consideration the following data I have gathered on the Ophir lode mining claims:

LOCATION

The property is located in the hard ^H ^Sscrabble mining district, Custer County, Colorado, six miles South east of West Cliff. Querida is the post office one and one-half miles from the mine.

NUMBER OF CLAIMS

The property consists of four patented claims. Bertha and Elizabeth claims are fractions, not full claims. All the claims are contiguous.

CAMP IMPROVEMENTS

The improvements have been removed with the exception of a small frame building 14' X 15'.

FUEL

Coal, wood and electric power can be had. Electric power lines are within one hundred feet of the shaft.

Coal delivered at the mine would cost about \$12.00 per ton.

WATER

There is a good supply of water at the mine for all mining purposes and domestic water is about one hundred yards distant.

TRANSPORTATION

There is a good road close to the mine. The mine road, which connects with the main road is in need of repair, but otherwise transportation is good to the Rail Road.

CLIMATE

The climate is healthful and work can be prosecuted all the year round when preparations are made for winter.

ELEVATION

The elevation is about 8600 ft. at the mine.

TIMBER

Timber for all mining purposes can be secured near the camp. The Ophir property has been cut off.

FORMATION

The formation is Porphyretic Andesite, an eruptive rock of a grayish color similar to trachyte.

This camp is in the blanket formation and is cut by the intrusive fissure veins. This district is purely volcanic and geyseritic. The subterranean waters enrich the vein matter in the chimney and extends along the

vein at times for a considerable distance.

The ore seems to be found in the Bunker Andesite, the top member of the three strates.

GEOLOGICAL STRUCTURE

The structure in which the ore is found is in the Cambrian or Paleozoic, the source of much rich ore.

CHARACTER OF THE ORE

The ore is made up of the Oxides and Sulphides, Pyrites and lead carbonates are closely associated and at times combined. Gold float is found on the ground and by prospecting a good gold vein should be opened in conjunction with the other ore.

DEVELOPMENT

The property has been opened up by shafts wings and a tunnel.

The main shaft is 225' deep, so the workman told me, but is caved in. The tunnel is 90' long and cuts the vein at the point where good ore was encountered. The new shaft is on the level with the portal of the tunnel and is about 90', so I was told, and a drift driven north east to the vein should cut the ore in the floor of the tunnel and give considerable back stoping.

This shaft makes lots of water but I think a bunk head properly installed would shut off the water and make a dry mine, as this water is from a water course that does not belong to this vein.

The Ophie vein is a dry vein and cheap mining can be carried on with this water cut off.

ORE TREATMENT

The treatment of these ores could be easily established by selecting the high grade and using the floatation on the low grade.

LABOR

Labor is plentiful at \$4.00 per day. Most of the work can be contracted under proper supervision and reduce all cost to a minimum and when the ore is encountered it can be taken out by days pay.

All buildings and installation of machinery can be installed under proper guidance.

PROVISIONS

All supplies and provisions can be had at West Cliff and can be hauled to the mine by trucks.

CONCLUSION

With proper economy there should be ore enough uncovered in four months to return the investment many times. The ore is unquestionably there and all it needs is money to develop the property scientifically and keep development ahead of the production, then you know in advance what you are doing.

Sincerely yours,

(Signed) W. J. Martine,
47 Corona St.,
Denver, Colo.