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item 5

EBERHARDT AND OTHERS
HAMILTON DISTRICT
WHITE PINE COUNTY, NEVADA.

July 14, 1919.
June 16, 1920.

W. H. BLACKBURN.

EBERHARDT AND OTHER PROPERTIES.

LOCATION:

Hamilton District, White Pine County, Nevada. This is one of the old-time camps in Nevada and is located about thirty miles due West of Ely, the nearest railroad point.

GENERAL DESCRIPTION:

The principal old mines considered in the proposition by Mr. Kent E. Keller are the Eberhardt, South Aurora and North Aurora. Mr. Keller claims all the old-time producers in his deal except the Hidden Treasure and Stafford.

It is generally conceded that the Hamilton district is located on a dome formed by an uplift of the limestone. This uplifting caused a breaking up of the lime across the stratification.

The Eberhardt workings at the surface followed one of these breaks or faults that strikes East-West and dips to the South at a 78° angle. The hanging-wall side of the fault is badly crushed. The mining was irregular in this crushed zone thru a vertical shaft.

The South Aurora and North Aurora apparently mined along a N. 30° W. break which pitched slightly to the West. In these mines as well as in the Eberhardt the ore occurred in irregular chambers to a depth of about 250 feet. None of the mines at the

time of best production have found any pay ore below that depth.

An English Company while operating these mines drove what is called the Eberhardt tunnel under the Eberhardt, and also to the East of the Auroras. They went to the East of the Auroras on the idea that the vein pitched strongly to the East on its downward course. This tunnel is at least 1500 feet below the surface workings.

It is said that 11000 feet of work was done in this tunnel. Its principal drive went straight into the hill for about 6000 feet with numerous laterals, one of which went under the Eberhardt workings. From the main drive a long incline to the West, going upward, connected with the central shaft of the North Aurora at a depth of 290 feet.

Two crushed zones were encountered in the tunnel but no commercial ore, under working conditions, at that time was encountered. A strong vein does occur in one of the laterals but doubt its being commercial ore even today. This tunnel at the present time is of no particular benefit to the property but would be very useful if ore could be discovered in connection with the upper workings. It would be ideal as to getting ore out to a mill located at the old mill settlement of Eberhardt.

Mr. Keller gives the production of the camp as about 450,000 tons, with a silver content averaging about 70 ounces per ton.

Water for milling could probably be developed in Applegarth and Illapah Canyons. No power available.

TERMS:

Mr. Keller's terms are \$20,000.00 down. He has a total of \$148,000.00 to meet. He would probably increase this amount if he made a deal so as to give him a profit for getting the properties together.

CONCLUSIONS:

Any cash payment is out of the question. While there may be some ore adjacent to old workings and in surface dump that would pay under present conditions, development work would have to be done before a mill would be assured of an ore supply that would return the mill investment. The original work was done by Cornish foremen and miners and they probably went the limit in extracting pay ore.

Taking everything into consideration these properties cannot be recommended for revival by our Company.

Respectfully submitted,

W. T. Blackburn

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