

shown by this work as numerous heavy veins can be seen both above and below, where the formation has been uncovered by natural process. Where the work has been done on the ledge several veins of rich ore are exposed. I have made a number of assays from samples of this ore and have found it to contain from 7.60 to 76.56 ounces of silver and from a trace to \$2.00 in gold to the ton of 2000 lbs. Samples of the same were assayed for lead and found to contain from 2½ to 60 per cent. of that metal. Several of these samples were taken from the ledge by myself.

The ore is of a character easily smelted, for the treatment of which smelting firms will undoubtedly made very low charges.

The location of the ledge on the side of a steep slope is such that its development and drainage, to a great depth, by tunnels can be very economically accomplished.

Its close proximity to the lines of two railroads gives it unexcelled transportation facilities. It is my opinion that the several veins of ore now exposed on the surface will unite and form a large and valuable ore body with depth.

I would advise that a shaft be sunk, to a limited depth, on the ore chute now exposed and that the manner of prosecuting future tunneling operations be decided upon when the nature, strike and dip of the chute can be more definitely determined from such work.

I regard the surface indications as favorable for the development of profitable ore bodies with depth. Respectfully submitted,

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