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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LEADVILLE-ARIZONA

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 180B

LOCATION: TOWNSHIP 5 N RANGE 10 W SECTION 16 QUARTER SE
LATITUDE: N 33DEG 46MIN 18SEC LONGITUDE: W 113DEG 17MIN 37SEC
TOPO MAP NAME: GLADDEN - 15 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:
SILVER
LEAD
GOLD LODE

BIBLIOGRAPHY:
USGS GLADDEN QUAD
ADMMR LEADVILLE-ARIZONA MINE FILE

Leadville - Arizona Mines Company

at s. corner of Block 10, T. 13 N., R. 10 E., S. 10 E.,
Maricopa County

reference: Arizona Dept. of Mineral Resources
Leadville - Arizona Mines Company (file)

property includes Offagain, Onagain, Genagain,
Finnegan, Leadville, and Leadville No. 2

present owner:

minerals: gold, silver, lead

history of the area:

in 1918 the property belonged to the Leadville -
Arizona Mines Company. It was reported
at that time that gold values were as high
as \$12.40 per ton, lead was 6%, and
silver was 27 ounces.

geology:

the ore occurs in a 300 feet wide fissure
in a granitic rock and strikes E-W.
The fissure is filled with diorite, andeolite,
thycite porphyry and highly altered
thycite porphyry.

property consists of 6 lode claims

Phoenix, Arizona, February 19, 1918.

To the Honorable
Board of Corporation Commissioners,
Phoenix, Arizona.

Gentlemen:

You will kindly permit the introduction of the property taken over by the Leadville-Arizona Mines Company, consisting of six lode claims, namely:

Offagan, Onagain, Gonagain, Finnegan, Leadville
and Leadville No. 2,

situated at the south base of the Big Harqua Hala Mountain in Maricopa County, about one mile east of Yuma County line and sixteen miles in an easterly direction from Wenden, and not far from midway between the Vulture and Harqua Hala mines.

The ore occurs in a fissure about three hundred feet in width, in granitic rock, striking easterly-westerly and filled principally with diorite, andesite, rhyolite porphyry and highly altered rhyolite porphyry. What is supposed to be the main ore occurrence is in the latter. It has diorite for a hanging-wall and a dike of very highly metamorphosed basalt, four feet in width, for a foot-wall. Under the latter is thirty feet of altered, highly silicified and replaced diorite, having gone through the second stage of alteration and still showing a replacement of black oxide of manganese and carrying low values in silver, lead and gold, assays having been made running as high as 27 ounces silver and 6% lead. The



basalt dike, having been a later ^{intrusive} ~~invasive~~, was forced up through the contact and the ore deposition was evidently associated with or followed ~~the~~ the eruption of the dike. At first sight, before any work was done, it could have been reasonably assumed that the alteration and mineralization of the diorite might have been due to influence arising from the ore deposition in the porphyry. But, however, the changes and improvements made in the shaft will not support this conclusion. The first forty feet of the shaft was not so encouraging, but from this point down it became increasingly interesting. The last five feet produced open, crystallized and very highly silicified ground, showing some fair gold values, running as high as \$12.40 per ton, but as the latter can only be depended upon as a by-product, it is quite certain that the shaft will have to reach the enriched zone before the predominating silver and lead values and shipping ore are found. It was impossible to sink the shaft in the porphyry ore deposit without timbers and lagging and consequently it was sunk in the replaced diorite under the basalt dike to a depth of sixty-five feet at an angle of thirty-six degrees to the north. After cutting through the latter, the cross-cut was driven forty-five feet in the ore-bearing porphyry. Two feet of talc and clay rests on the foot-wall and from there to the face of the cross-cut it shows an aggregation of mineralized seams and gouges and looks like it had been drenched with

liquid solutions. It all carries low values in silver, zinc and lead. The ore-occurrence is situated in a depression, or saddle. On driving the cross-cut, the large mineralized seams and gouges were found to be lying flat and some, indeed, were dipping slightly at the opposite angle, but on driving ahead they gradually straightened up and turned down. It would convey the idea to one on the job that the deserted portions of the deposit had tilted and settled into space made vacant by the departure of other portions. Judging from surrounding conditions, it is quite probable that water-level may be reached at somewhere from three to four hundred feet, and it is there that we may confidently expect to find large bodies of shipping ore.

Water Supply.

There is plenty of water in a shaft close by for camp use and the "fissure" can probably be depended upon to furnish all the water needed for all purposes, and I am afraid much more than we will need.

General Characteristics.

The property absolutely shows nothing in common with any of the other properties in the general section of country in which it is situated, but it does show a close relationship to many of the mines in Colorado and Utah, although a gentleman from Chloride, Arizona, says it reminds him of home. An engineer incidentally walking over the ground, prior to the location of the claims, would first observe that

the altered rhyolite porphyry is in vein structure instead of dike structure and, also, the loose, soft and decomposed condition of the associated dikes within the confines of the fissure; and since the work has been done, he would not lose sight of the physical greatness of the deposits associated with volcanics and occupying what is supposed to be a deep seated fissure. And after having made an examination of the shaft and cross-cuts, he would become well satisfied that the indications on the surface will never deceive him.

In conclusion.

As I am an officer of the company submitting this paper to you, you will not expect strong personal opinions from me; but there are engineers in this town who have seen the property, and some of the wealthiest and most prominent mining men on the Coast have been anxious to take it over. And also, some of the miners in that section, including two who did the work already done on the property, are ready to quit their jobs and go to work on this property and take stock for their wages.

Very respectfully submitted,

J. H. Finnegan E. M.