CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

04/16/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: LA PAZ

ALTERNATE NAMES:
AMERICAN GOLD STAR

MOHAVE COUNTY MILS NUMBER: 19D

LOCATION: TOWNSHIP 19 N RANGE 20 W SECTION 8 QUARTER N2
LATITUDE: N 35DEG 02MIN 50SEC LONGITUDE: W 108DEG 25MIN 54SEC
TOPO MAP NAME: OATMAN - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
GOLD

BIBLIOGRAPHY:
ADMMR LA PAZ FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
RANSOME, F.L. "GEOL. OF OATMAN GOLD DIST, AZ"
USGS BULL 743, P 8 (MAP), 1923
WEED'S MINE HANDBOOK VOL. XIV, P 266, 1920
AZ STATE MINE INSP. 5TH ANL RPT, P 8, 15, 24

D ARTMENT OF MINERAL RESOU ES
STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine LA PAZ (5 claims). Date January 5, 1940.

District San Francisco Dist., Mohave County. Engineer Elgin B. Holt.
Owner R. A. Martin, Oatman, Ariz.

Subject: Box 186

SYNOPSIS REPORT

LOCATION: Property located 3 miles N. W. of Oatman, in Mohave County.

METALS: Gold.

VEIN: Main vein, with quartz and calcite gangue, is 60 feet wide, runs parallel and adjacent to a quartz-porphyry dike, also 60 feet wide, both vein and dike occurring on contact between Andesite on hanging and quartz-monzonite on foot wall. Strike of both vein and dike N. 80 deg. W; dip nearly vertical. The said vein and dike also traverse an adjoining mine known as the Gilpin, or Times Mine, described in another report I have written on this date. These two groups should be handled together in the event of a deal.

OTHER VEINS: The main vein above mentioned is intersected by two other veins of same type, gangue matter being also quartz and calcite. These intersecting veins, striking N. E. and S. W., are each 30 feet wide, outcropping boldly above the surface, showing gold values at intervals.

DEV. WORK: One shaft 150 feet deep is sunk near the intersection of the main vein and one of the said intersecting veins. This shaft shows no values as it was put down in country rock. Also, a tunnel 70 feet in length was driven on an intersecting vein, and shows assays, per Martin, of 0.5 ounce gold per ton. Other work consists of open cuts and pits along vein outcrops, some of which show gold ore in place.

This property, in conjunction with the Gilpin mine (file), has all the ear-marks that it will make a large and valuable milling proposition, if developed along intelligent and aggressive lines. Both these properties are recommended as attractive gold prospects to any company willing to risk some money in their development.

"Exhibit A"

R E P O R T

on the property of the

ARIZONA GOLD STAR MINING COMPANY.

TOM REED - GOLDROAD DISTRICT.

Mohave County, Arizona.

---0---

Oatman, Arizona,

Oct. 11, 1915.

Officers & Directors,

Arizona Gold Star Mining Company,

Los Angeles, California.

Gentlemen:-

I herewith submit for your consideration the following report on the property of the Arizona Gold Star Mining Company situate in the Tom Reed - Gold Road Mining District, Mohave County, Arizona.

THE TOM REED-GOLD ROAD DISTRICT.

The Tom Reed- Gold Road District is located in the western part of Mohave County and is reached by good auto roads from Kingman, Arizona, or Needles, California. The distances from those points vary in the different portions of the district from eighteen to twenty-five miles. The district extends for about twenty miles along the west flank of the Black Range Mountains, with a width of about four miles.

The district has maintained a large production of gold for a number of years but has recently come into more prominence due to the development of the United Eastern mine.

PROPERTY OF THE ARIZONA GOLD STAR MINING COMPANY.

The property of the Arizona Gold Star Mining Company is located in the western part of the Tom Reed-Gold Road District and consists of two claims, namely, the Valkerie and the LaPaz,- comprising approximately forty acres.

The property is well located in a proven mineralized area and is surrounded by well known and active properties.

To the north and east are the Times, Hercules, Jerome Oatman, Neglected, and Hardy properties, all situated on the contact of andesite and granite porphyry, which extends through the LaPaz claim of your company and continues on through these other properties in a northeasterly direction.

Immediately adjacent on the east side, and on the same quartz porphyry dyke that extends through the Valkerie claim, is the property of the Ivanhoe Consolidated Mines Company, which is now under active development and showing evidence of becoming a producer. Continuing on to the south and east we have the Pittsburg, Crown City, United Western, United Eastern, Tom Reed, etc., all in the same andesite area that is found on your property.

To the south are the Bendigo, Midnight, Pioneer, etc., on all of which more or less good ore has been found.

A good road runs through the property so that supplies and machinery can be placed on any part of it without the expense of road building.

GEOLOGY AND ORE OCCURENCE.

The most important geological formations in the Tom Reed-Gold Road District when considering their relation to ore occurrence are the andesites. Of these there appear to be two or more flows and two of them have been designated locally as earlier and later andesites according to the sequence of their origin. It seems to have been proven in the old producing mines of the district that both these andesites contain ore bodies of commercial value as the ore shoots originally discovered in the later andesites in these mines have persisted with depth into the earlier andesite.

The andesite area is large in extent and contains many ledges with a generally northwest and southeast strike. These ledges in the andesite are remarkably similar in character and are made up principally of quartz and calcite with enclosures of decomposed and altered andesite and with hematite, manganese oxide and various alteration products of quartz and calcite.

There have been some ore shoots exposed under different geological conditions in various parts of the district but the conditions described are typical of the big mines of the district.

GEOLOGICAL FEATURES AND VEIN SYSTEMS ON THE ARIZONA GOLD STAR PROPERTY.

The property of the Arizona Gold Star Mining Company is located largely in an area of earlier andesite, but shows on the western portion of the property exposures of granite, porphyry, and an imperfect granite or micro-pegmatite. The contact of these formations with each other, and of the granite porphyry with the earlier andesite, are well defined and easily traced across the western portion of the LaPaz Claim. Both of these contacts have been shown to be Gold bearing in this section of the district. It is on the contact of the andesite and granite porphyry extending through the western portion of this property and in a northeasterly direction that the Times, Hercules, Neglected, Jerome Oatman, Hardy and other properties are located. On all of these properties good values in gold have been obtained in this contact, and on some of them considerable ore of good grade has been obtained.

Also the contact of the granite and granite porphyry has been proven ore bearing as evidenced by the operation of dry washers for placer gold close to this contact on the LaPaz claim, and on the same contact farther to the north.

However, it has been shown in the development of the large mines of the district, i.e.; the Tom Reed, United Eastern, and Gold Roads properties, that the profitable ore bodies are confined principally to the quartz and calcite ledges in the andesite itself. The occurrence of gold in the contacts, as above noted, is merely mentioned because it is

interesting in a geological sense and worthy of some attention in the future development of the property. Passing that phase of the subject, therefore, I will proceed to the consideration of the ledges or veins in the andesite itself.

In considering these veins in the andesite itself, mention should first be made of the large dykes of quartz porphyry cutting through the Valkerie claim of your company. These dykes have approximately an east and west strike with a dip of about 80° to the north, and the larger one enters your ground a few feet north of the east end center of the Valkerie. The same dykes traverse the holdings of the Ivanhoe Company immediately adjacent to your property on the east, being consolidated into one larger dyke at a point several hundred feet west of the Ivanhoe shaft. This dyke has been named locally the Ivanhoe Dyke. (These features will be more apparent by consulting the plat attached hereto.)

This Ivanhoe Dyke seems to have had an important bearing on the genesis of the veins in the andesite in this section of the district as it is usually accompanied by a vein of quartz and calcite on one or both of its walls,- while at various points cross-fissures are shown extending out into the andesite country rock, filled with vein matter of similar character to the vein or veins of the dyke itself. There is reason to believe that these cross-fissures are formed by fault planes

which have cut the dyke and formed the opening in which the veins have been deposited. There is evidence that the Bendigo vein (shown on sketch) has been formed in this way by a fault plane with a northeast and southwest strike and a dip to the southeast.

This Bendigo vein is one well worthy of consideration in developing your property and its outcrop can be plainly traced from the openings on the Bendigo claim to a point about two hundred feet within the Valkerie side lines. Produced along its strike it would intersect the Ivanhoe Dyke well within the Valkerie claim, and such intersection, if found, might prove to be ore bearing.

Besides this Bendigo vein there are several other veins in the andesite showing quartz and calcite with hematite, manganese oxide and other secondary minerals in evidence.

Several of these are noted on the plat accompanying this sketch, with their strike and dip indicated, and, by referring thereto, it will be evident that the supposition that they are formed in cross-fissures intersecting the Ivanhoe Dyke is onewwhich will be borne out by the facts.

There is a well defined vein, showing six feet of mixed quartz and calcite, with an east and west strike and a dip of 70° to the north exposed in the discovery shaft in the center of the Valkerie claim. The

outcrop of this vein can be plainly traced to the west, but as it proceeds eastward, is covered by the alluvial deposits of the wash. It would seem evident that this vein is formed as a split or cross-fissure from the Ivanhoe Dyke and produced along its strike would intersect that dyke at a point close to where the best values in the Ivanhoe are exposed on surface. So there are some grounds for the theory that the Ivanhoe vein may have left the dyke at or near this point and continued on through the fissure exposed in the Valkerie discovery shaft. These veins are all more or less gold bearing and there is a reasonable chance that ore bodies of commercial value might be exposed in any of them under proper development.

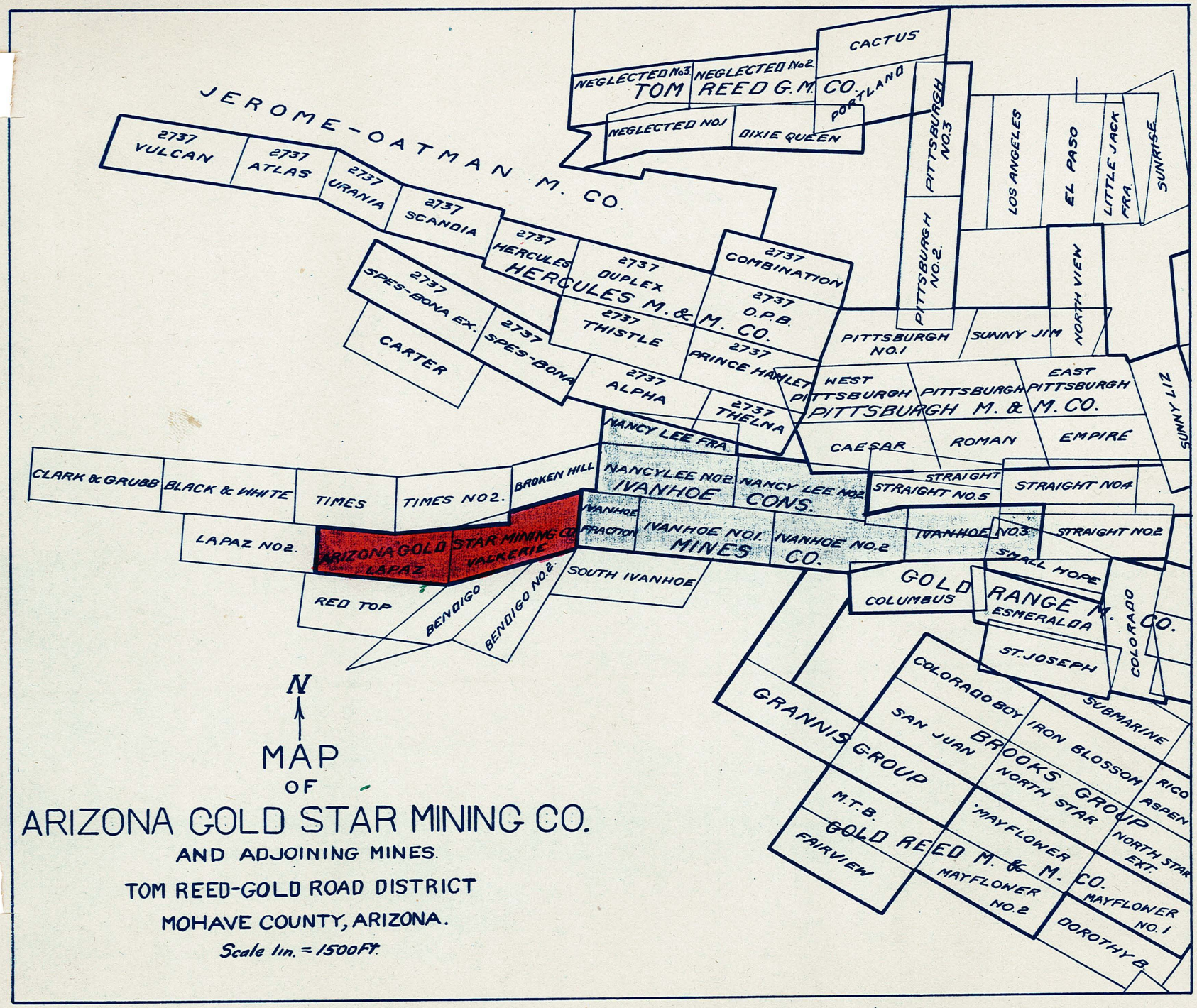
SUMMARY.

The property of the Arizona Gold Star Mining Company, about forty acres in extent, is well situated in a proven mineralized section. It is surrounded by properties of considerable merit and is traversed by several ledges that are similar in character to the proven ore bearing veins of the district.

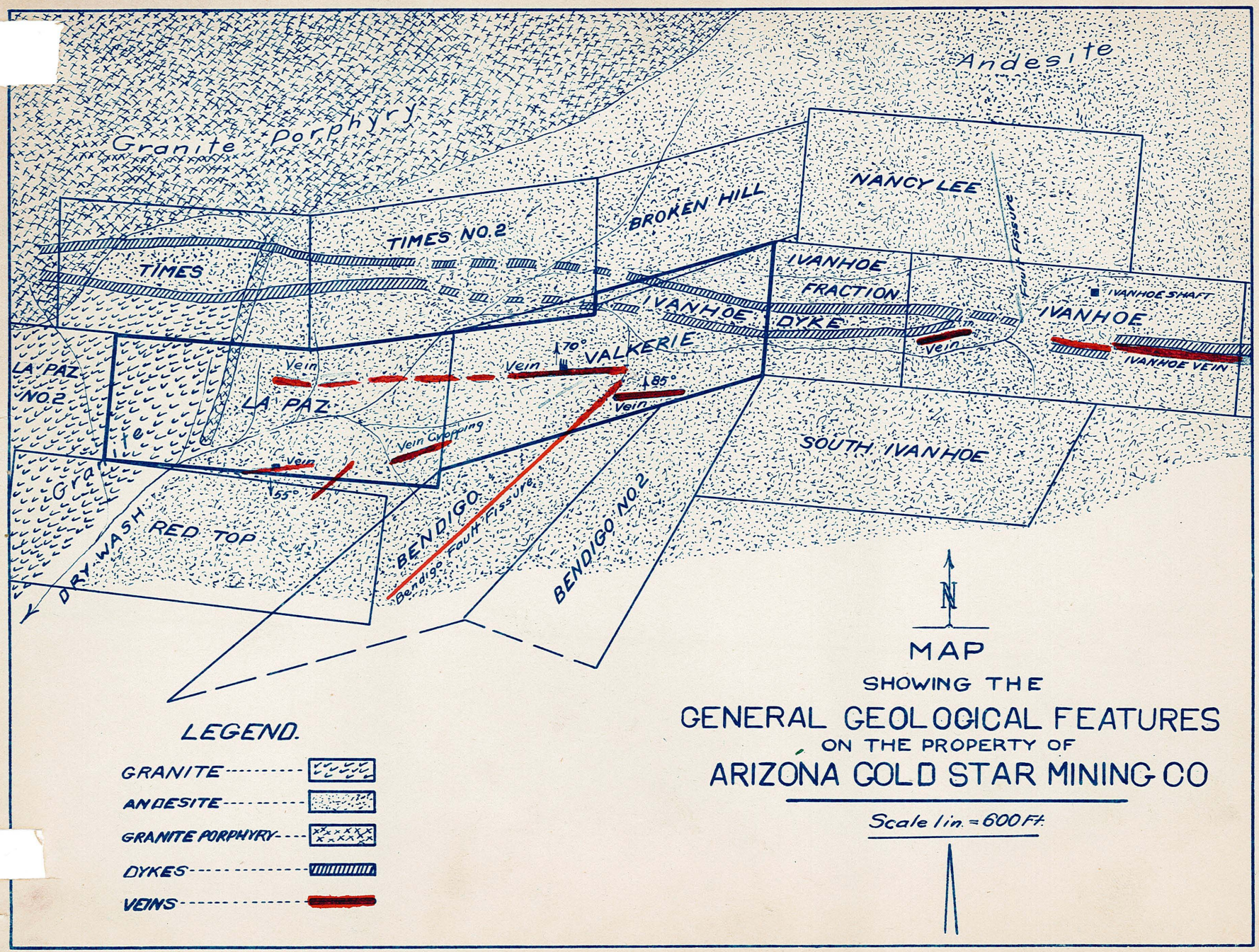
The large Ivanhoe Dyke, which seems to be an important factor in the mineralization of that section, passes through part of your property and several ledges which seem to be cross-fissures from this dyke outcrop on your property. Considering all these facts, one is forced to assume that there is a reasonable chance of opening up ore bodies of value on your property.

(Signed)

R. L. D'Arcy, E.M.



MAP
OF
ARIZONA GOLD STAR MINING CO.
AND ADJOINING MINES.
TOM REED-GOLD ROAD DISTRICT
MOHAVE COUNTY, ARIZONA.
Scale 1in. = 1500Ft.



MAP
SHOWING THE
GENERAL GEOLOGICAL FEATURES
ON THE PROPERTY OF
ARIZONA GOLD STAR MINING CO

Scale 1 in. = 600 Ft.