



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.

PRINTED: 02-26-2009

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: FORTUNA

ALTERNATE NAMES:

PATENTED CLAIMS MS 3889

PINAL COUNTY MILS NUMBER: 86

LOCATION: TOWNSHIP 1 S RANGE 12 E SECTION 12 QUARTER SW

LATITUDE: N 33DEG 21MIN 03SEC LONGITUDE: W 111DEG 05MIN 28SEC

TOPO MAP NAME: SUPERIOR - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER

COPPER

GOLD LODE

BIBLIOGRAPHY:

ADMMR FORTUNA FILE

BLM MINING DISTRICT SHEET 607

CLAIMS EXTEND INTO SEC. 13

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Fortuna Mine

Date January 19, 1962

District Pioneer District, Pinal Co.

Engineer Lewis A. Smith

Subject: Reported by Bert Reed, Geologist for Inspiration Copper Co. and two older reports by Inspiration Geologists

Property: 19 claims
2 patented

Location: S. 12, 3, T. 1 S., R. 12 E.

Work: 3 tunnels
(a) Top: 44 feet - bad condition now.
(b) Middle: 450 feet - bad condition now.
(c) Lower: 1100(?) " - " " "

1 shaft 450 feet deep. The lower tunnel connects with the 175 foot level of this shaft.

Owner: Grace Middleton, Superior.

Geology: The area in which the mine is located consists of pre-Cambrian (Pinal) schist intruded by diabase, diorite and granodiorite. The ore zone is mainly composed of two fissure veins lying in the contact zone between the schist and diorite or granodiorite.

The No. 1 vein is a shear type which was traced by the upper tunnel for 400 feet along the strike. It strikes N 10 degrees W and dips 60 degrees northeast. This dip is close to the dip of the sedimentary block which overlies the pre-Cambrian. The foot-wall consists of schist and the hangingwall is badly altered diorite (?). The shear zone is weakly mineralized over a few inches to 1 foot of width, although high grade lenses, or kidneys, have been worked in a minor way.

The No. 2 vein strikes N 55 degrees W and dips 75 degrees southeast and thus far has not intercepted No. 1 vein. This shear zone ranges from a few inches up to 3 feet wide and is present intermittently in No. 2 tunnel. The gangue is country rock cemented by quartz and calcite. On the whole this vein, like No. 1 vein, has weak mineralization punctuated at wide intervals by lenses of high-grade material. These lenses contain galena, sphalerite, chalcopryrite, bornite, tetrahedrite (?) and possibly some argentite.

The local lenses in both veins are believed to have been localized by transverse slip faults or near to where the shear zones pinch. The lenses distribution is like "peas in a pod." The schist is usually highly chloritized or epidotized for several feet out from the contact.

The shaft and the reportedly 1100 foot tunnel contain little or no mineralization which could be classed as mineable. The shaft is largely inaccessible.

The mine is reported to have very good local pods of silver ore in addition to the other metals.

The ~~total~~ production has been estimated by a previous owner to have totaled \$17,000.

Mrs. Middletown previously reported that a lense in the upper tunnel was sampled and

Fortuna Mine (continued)

is reported to have assayed about 60 ounces silver and several percent of copper.

FORTUNA MINE

PINAL COUNTY

PIONEER DISTRICT

Mrs. Grace Middleton showed an assay from the Fortuna Mine which ran 140 oz. in silver and 3.5% copper. She said it came from a narrow(1 foot wide) vein from the upper tunnel. She wished a consultant to make a map of the old workings.

LEWIS A. SMITH - Superior Conf. - 10-19-61

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine FORTUNA MINE Date June 23, 1960
District PIONEER DISTRICT, PINAL COUNTY Engineer Lewis A. Smith
Subject: Interview with Mrs. Grace Middleton, Superior, Arizona

Mrs. Middleton has done her work for this year, but the road is now impassible to ordinary cars, although it was in repair last year.

The mine was developed by 4 tunnels, the longest being several hundred feet. 2 of the shorter tunnels are above the longer one. Mrs. Middleton said that an old report indicated that a vein, $1\frac{1}{2}$ feet wide, was encountered near the half way mark of the long lower tunnel. This vein is reported to have carried good silver values. The upper tunnels contained copper oxides in a sporadic distribution associated with iron oxides. The lower tunnel apparently had some bornite, chalcopyrite and considerable pyrite, as indicated by specimens. The values, according to Mrs. Middleton were associated with a shear pattern. The lower tunnel is now dangerous, and only accessible for 75 feet, and would require much timbering to rehabilitate it. She stated that she could not find the report but was still hunting for it. She wanted a list of companies who could examine it and was given one. She cannot afford to reopen the tunnels.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine FORTUNA MINE Date June 23, 1960
District PIONEER DISTRICT, PINAL COUNTY Engineer Lewis A. Smith
Subject: Interview with Mrs. Grace Middleton, Superior, Arizona

Mrs. Middleton has done her work for this year, but the road is now impassible to ordinary cars, although it was in repair last year.

The mine was developed by 4 tunnels, the longest being several hundred feet. 2 of the shorter tunnels are above the longer one. Mrs. Middleton said that an old report indicated that a vein, $1\frac{1}{2}$ feet wide, was encountered near the half way mark of the long lower tunnel. This vein is reported to have carried good silver values. The upper tunnels contained copper oxides in a sporadic distribution associated with iron oxides. The lower tunnel apparently had some bornite, chalcopyrite and considerable pyrite, as indicated by specimens. The values, according to Mrs. Middleton were associated with a shear pattern. The lower tunnel is now dangerous, and only accessible for 75 feet, and would require much timbering to rehabilitate it. She stated that she could not find the report but was still hunting for it. She wanted a list of companies who could examine it and was given one. She cannot afford to reopen the tunnels.

Active
Shipping
to Magma

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date 1-23-58

1. Mine: Fortuna (Not held by Iberri)
2. Location: Sec. _____ Twp. _____ Range _____ Nearest Town Superior Distance 3 1/2
Direction West Nearest R.R. Superior Distance 3 1/2
Road Conditions Good
3. Mining District and County: Pioneer (Pinal Co.)
4. Former Name of Mine: Fortuna
5. Owner: Grace Middleton Superior, Arizona
Address: Superior, Arizona Ray, Arizona
Rec'd. Hall and Rayshen, of Superior
6. Operator: Property leased from Grace Middleton (10% royalty
Address: on net smelter returns) (Now leasing Iberrian)
7. Principal Minerals: Chalcopyrite, Chrysocolla, Malachite and some cuprite
8. Number of Claims: Lode 3 Patented ☒ Unpatented _____
Placer _____ Patented _____ Unpatented _____
9. Type of Surrounding Terrain: Rough mountain side, approached
by cot. road.
10. Geology and Mineralization: Similar to Iberrian (Continuation
of same vein system on N-S Group.) Partly in
Schist and partly in granitic rock. Diabase present
to the north as sill between quartzite and limestone.
11. Dimension and Value of Ore Body: Not known
Grade last shipment: 3 1/2 % Copper and
2.0 % silver, 75% S.G., Gold shows Trace.

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)

12. Ore "Blocked Out" or "In Sight": *Not Known (guess a few thousand tons)*

Ore Probable:

Not Known (possible that some could be developed.)

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts. <i>1</i>	<i>15</i>	
Raises.		
Tunnels. <i>1</i>	<i>25</i>	
Crosscuts.		
Stopes.		

14. Water Supply:

Little.

15. Brief History:

Old Fortuna had been idle for many years except during Word War II when Charles Therru shipped 500 tons of 39% ore.

16. Remarks:

The present leasees

17. If Property for Sale, List Approximate Price and Terms:

18. Signature:

Ruby Hall