



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: 10-19-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MONTEZUMA AND MARGARITA MINES

ALTERNATE NAMES:

HILLTOP
FLATS

PIMA COUNTY MILS NUMBER: 362

LOCATION: TOWNSHIP 17 S RANGE 10 E SECTION 35 QUARTER SE
LATITUDE: N 31DEG 54MIN 09SEC LONGITUDE: W 111DEG 17MIN 04SEC
TOPO MAP NAME: PALO ALTO RANCH - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER
LEAD SULFIDE
SILICON FLUX

BIBLIOGRAPHY:

FULL, ROY P., INDIAN CLAIMS COMM DOCKET 345,
V. I, P. 141-145, 1970
USGS BULL. 725, P. 407-428
ADMMR MONTEZUMA-MARGARITA MINE FILE

Date Printed: 07/31/98

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION SUMMARY

Information from: John Heim

Company:

Address:

City, State ZIP: Tucson Arizona

Phone: 520-323-5157

MINE: Montezuma & Margarita Mines

ADMMR Mine File: Montezuma-Margarita Mine

County: Pima

AzMILS Number: 362

SUMMARY

John Heim is a real estate agent and considers himself somewhat of a title specialist. He is trying to sort out the ownership of three patented claims that were once part of the Banner Sierritas Mining Company's property in Section 2, T.20S., R10E. The properties are the Banner No. 1, Second To None and Olympia.

It appears that the people paying taxes on the properties are not actually the owners, and there may be some confusion in county assessor records and/or county recorder indexes. Such problems are often compounded by privately compiled title abstract service databases.

It was suggested that he search all of the mining deeds, and mineral lands related documents at the recorder's office beginning with the patent. The three patented properties are related to the Banner Mine file [Pima AZMILS 205], the Sunshine Group file [Pima AZMILS 210], and the Montezuma-Margarita Mine file [Pima AZMILS 362].

Ken A. Phillips, Chief Engineer Date: July 31, 1998

R/h

MONTEZUMA MINE

PIMA COUNTY

CJH WR 6/3/83: Visitor: Edward A. Madson, Real Estate Appraiser, Jay V. Vance & Associates, Inc., 4626 E. Fort Lowell Rd., Suite K, Tucson, AZ 85712. Research the Montezuma Mine file, Papago District, Pima County, Section 35, T17S R10E. The mine and millsite (patented) are still for sale for \$20,000.

MG WR 2/27/81: Visited the Montezuma Mine, Papago Mining District, Pima County. The property is inactive.

CJH WR 12/2/83: Kenneth G. Watson, 4200 E. Benson Hwy., Apt. J-1, Tucson, AZ 85706. Tel: 574-0477. He reported that he has purchased the Montezuma patented claim and a patented mill site, Papago mining district, Sec. 35. T17S R10E, Pima County. He will come to the office to examine the mine file.

~~AEOLIAN MONTEZUMA MINE~~

13 MONTEZUMA MINE
T175 R1E¹⁰ S43S

PIMA CO.

GI/WR 3/14/79 - Jack Redman Realty Executives located on Sasabe Road, 795-3884, wanted info. on the Montezuma Mine, located in the Papago Dist. This is the number 5 pat in Arizona. Not much info. available. His Client wants approximately \$19000 for the 23 acres in 2 claims involved. Bill Hirt for info on the Montezuma, the info is in the Indian Claims Docket 345, Vol. 1, pages 141-145 (1970) by Roy T. Full. 143 & 144 missing. 4/19/79 a.p.

1. Information from: Mr. Ken Watson and mine visit.
Address: 1940 E. Bantam Rd., Tucson, AZ; phone 294-5748
2. Mine: MONTEZUMA 3. No. of Claims - Patented 2
(Pima Co.) Unpatented _____ (Stevens Mtn.)
4. Location: east on WildHorse Ranch road from Highway 286; approx. 9 miles (7½' Quad.)
5. Sec 35 Tp 17S Range 10E 6. Mining District Papago
7. Owner: Ken Watson
8. Address: same as above
9. Operating Co.: _____
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: Lead & silver 14. No. Employed: _____
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down ☒ (b) Assessment work ☐ (c) Exploration ☐
(d) Production ☐ (e) Rate _____ tpd.
17. New Work Planned: Eventually Mr. Watson plans to sample the vein underground and prepare a map of the workings.
18. Misc. Notes: The property consists of the Montezuma lode claim and the Montezuma mill site. There are two shafts on the zone of quartz veining. The vertical north shaft is 100 feet deep and in good condition with no support; the upper 20 feet are inclined about 75° W. There is no water. At the bottom is a drift trending southeasterly. The south shaft is caved and is now about 15 feet deep. The quartz vein, or zone of stranded veins, strikes about N 32° W and reportedly contains silver-bearing galena. Abundant manganese was observed with minor pyrite, malachite, and azurite. Host rock consists of limestone and siltstone.

Date: October 10, 1985

(Signature)

Michael W. Greeley
(Field Engineer)

PAPAGO DISTRICT

The Papago district is situated on the western slope of the Sierrita Mountains, and was organized on July 3, 1873. The district was originally described as being 10 miles square with the main shaft of the Montezuma mine as the center point.^{1/} The mines of the district were apparently known prior to the 1870's, and have been worked intermittently on a small scale to the present time.

Patented claim No 5

Montezuma and Margarita Mines

The Montezuma and Margarita mines are situated adjacent to each other in Section 35, T. 17 S., R. 10 E., and Section 2, T. 18 S., R. 10 E. (Figure 9).^{2/} Tenney inferred that the mines of the Papago district had been discovered at least as early as 1860 by the Arizona Land & Mining Company,^{3/} and that the Montezuma and Margarita were probably among the earliest locations. The Montezuma was relocated in 1871 by Samuel Hughes, who was working four men, and had shipped a small lot of ore by July 1871.^{4/}

Encouraging results were reported in 1872 when rich ore was being developed in a new shaft.^{5/} The claims were surveyed for patent early in 1873,^{6/} and in May it was stated:^{7/}

"Two furnaces are nearly completed at Sierrita mines, and the work of smelting silver and lead ores will soon commence. Samuel Hughes & Co. sent some experienced smelters this week to examine the mines, with a view of putting up works as soon as possible. About thirty men are at work there now, and if the ores pay as assays and tests indicate, this will soon become one of the most populous and prosperous camps in the Territory. Mr. Hughes has had from the commencement great confidence in this district, and has kept men steadily at work there for a year and a half. We hope and believe that he will receive a rich reward for his enterprise."

1/ Arizona Citizen, July 5, 1873 (Plf. Exh. No. F-2, p. 12)

2/ Plf. Exh. No. F-4, p. 56

3/ Tenney, J. B., op. cit., pp. 260-261 (Plf. Exh. No. F-6, p. 32)

4/ Arizona Citizen, July 22, 1871 (Plf. Exh. No. F-2, p. 4)

5/ Ibid, Sept. 28; Oct. 12 and 19, 1872 (Plf. Exh. No. F-2, pp. 6-7)

6/ Ibid, April 19, 1873 (Plf. Exh. No. F-2, p. 10)

7/ Ibid, May 10, 1873 (Plf. Exh. No. F-2, p. 11)

Later in 1873 it was reported that both the Montezuma and Margarita had been well developed for that time,^{1/} and at the end of the year the Margarita had three shafts at depths of 25, 20, and 18 feet. The Montezuma had two shafts, one 32 and the other 25 feet deep.^{2/} Assays from the Margarita showed \$153.91 per ton in silver, while assays from the Montezuma showed \$70.68.

The mines were being worked together early in 1874, and shipments of ore were made in February^{3/} and June.^{4/} The progress was reported as follows:^{5/}

"At the Sierrita mines three arrastras are being run on gold rock and three on silver rock. We saw this week 8 ounces of gold which was taken from 5400 pounds of ore, and several other lots of gold and silver were brought in from this district. One furnace is in operation and from a run that has been made, satisfactory results were obtained. Samuel Hughes has a number of men at work sinking shafts and running tunnels, and Bennett and Smith sent out a force of men this week to sink a shaft."

Only one mine was being worked by Hughes later in the year^{6/} when four men were doing development work.^{7/} Early in 1875 a tunnel was being driven in the Margarita,^{8/} and in February a vein six feet wide was being developed at 112 feet from the portal.^{9/} Work continued in 1876 with the tunnel advanced to 142 feet, and another vein expected soon.^{10/}

The Margarita millsite was patented on May 27, 1876, and the Margarita claim and Montezuma claim and millsite were patented on January 19, 1877.^{11/}

-
- 1/ Arizona Citizen, Dec. 6, 1873 (Plf. Exh. No. F-2, p. 14)
 - 2/ Mineral Resources, op. cit., 1873, p. 346 (Plf. Exh. No. F-9, p. 15)
 - 3/ Arizona Citizen, Feb. 7, 1874 (Plf. Exh. No. F-2, p. 18)
 - 4/ Ibid, June 13, 1874 (Plf. Exh. No. F-2, p. 28)
 - 5/ Ibid, June 20, 1874 (Plf. Exh. No. F-2, p. 29)
 - 6/ Ibid, Oct. 3, 1874 (Plf. Exh. No. F-2, p. 40)
 - 7/ Ibid, Dec. 19, 1874 (Plf. Exh. No. F-2, p. 44)
 - 8/ Ibid, Jan. 16, 1875 (Plf. Exh. No. F-2, p. 45)
 - Ibid, Jan. 30, 1875 (Plf. Exh. No. F-2, p. 47)
 - 9/ Ibid, Feb. 13, 1875 (Plf. Exh. No. F-2, p. 48)
 - 10/ Ibid, July 29, 1876 (Plf. Exh. No. F-2, p. 92)
 - 11/ Plf. Exh. No. F-17, p. 32

The Montezuma in 1881 was credited with a substantial production of silver,^{1/} and in 1883 it was reported that a 50-foot shaft showed a three-foot vein of copper and silver.^{2/}

The Olympia mine was located on generally the same ground as the Margarita mine in later years, and Ransome reported:^{3/}

"About a mile north of the Banner is the Olympia shaft, apparently about 200 feet deep. This is on the Olympia group of 14 claims, which adjoins the Banner on the north and is reported to be owned by the Olympia Mining Co., of Chicago. No work was in progress at the time of visit. The Olympia is on the same belt of partly silicified limestone as the Banner and McKinley mines, which here determines the crest of a rather prominent ridge. No persistent vein could be seen, but the limestone has been irregularly fissured, contains bunchy quartz veins, and is itself more or less silicified."

Sunshine-Sunrise Group

The Sunshine-Sunrise group was described by Ransome as follows:^{4/}

"The most southerly of the principal groups examined is the Sunshine-Sunrise group, comprising about seventeen claims and two mill sites and owned principally by Judge S. W. Purcell, of Tucson. This group has a length of 6,500 feet and an average width of 2,200 feet. The principal exploratory work has been done on the Sunshine No. 1 claim and includes a shaft 140 feet deep with a short drift and crosscut at the 100-foot level. (See Pl. XVII, A.) South of the shaft, as the illustration shows, is an open crosscut, and south of this, at the south end of the ridge in which the workings are situated, is another open cut and under it a tunnel run in a northerly direction into the hill, from Ash Creek. The ore occurs in beds of limestone, apparently about 50 feet in total thickness, which strike N. 20° W. and dip about 65° W. This limestone, which does not appear to cross Ash Creek to the south, is apparently a lenticular member of the schistose series. On Sunshine Hill it lies about 800 feet west of the granite, from which it is separated by a belt of the gray schist described on page 410. West of the limestone are alternations of similar schistose and slaty rocks with belts of schistose rhyolite. The ore consists mainly of galena with a little chalcocite and occurs partly as a filling of irregular fractures in the limestone and partly as a replacement of their walls. At the slight depth attained the galena is generally accompanied by cerusite, anglesite, cerargyrite, and other products of oxidation. Surface cuts and pits along the outcrop of the limestone show the presence of more or less galena for a length of 500 to 700 feet, but not enough work has been done to prove the existence of a continuous ore body along the line of these

1/ Report of the Director of the Mint, op. cit., 1881, p. 309 (Plf. Exh. No. F-10, p. 12)

2/ Hamilton, P., op. cit., 1883, p. 133 (Plf. Exh. No. F-18, p. 58)

3/ Ransome, F. L., op. cit., p. 416 (Plf. Exh. No. F-11, p. 30)

4/ Ibid, pp. 414-415 (Plf. Exh. No. F-11, p. 29)

Feb. 25, 1943

MEMORANDUM

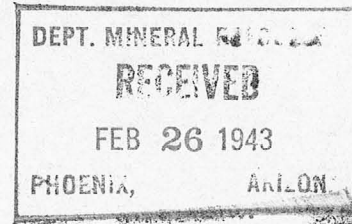
Flat Claims
(Geo. Lieben)

To: Director, Dept. Mineral Resources
From: George A. Ballam

✓
Lieben has made application for a loan on this property. It is located near the Yellow Bird on the west side of the Sierritas, in Pima Mng. Dist. Brent Rickard told me this morning that this ore, a quartzite gangue, is exceptionally good flux and desirable at the Hayden plant. This might have some bearing on consideration of the application.

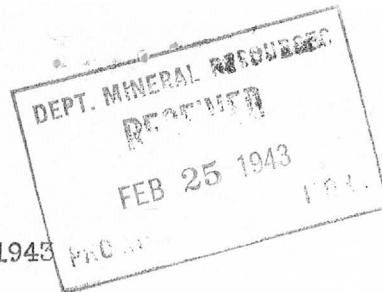
There is a large tonnage of ore in these three parallel quartz-site ledges if the 3% Cu could be considered. In the application, Lieben was considering only the known ore shoot developed by 100' inclined shaft. Here the ore runs about 6% or better. There is a possibility of increasing tonnage materially if lower grade ore could be mined at increased price.

George A. Ballam



C

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Hilltop Mine "Flats"

Date Feb. 24, 1943

District Papago *sec 35 19 S, 10 E*

Engineer George A. Ballam

Subject: Mine examination

These two claims are located about 30 miles SW Tucson in the west slope of the Sierritas in the Papago Min. Dist. They were re-located by Geo. Lieben, Rt. 4, Box 358, Tucson. They lie between the Yellow Bird and Banner mines. H
C

There are several quartzite veins, four or five feet wide, striking NW -SE in the schist. Three of these, 100 feet apart, have copper values in the outcrop. The most northerly is developed by a shaft, 100', incline 75° SW. This cuts an ore shoot which has been mined to 45' raking to W but little work in wall. Mineral is chalcopyrite with some carbonate together with oxide and glance. Runs about 7% Cu.

This should be X-cut on 100' to S to two other veins at 100' intervals, both of which are showing similar values in shallow surface cuts. Average assays are Cu, 5 to 7%, Ag, 8 to 13 ozs., and Au, .11 to .03. The ore is siliceous, averaging 74% SiO₂.

The property is reached by a good road 8 miles off the Sasabi highway. Water for mining purposes is obtained from a nearby ranch.

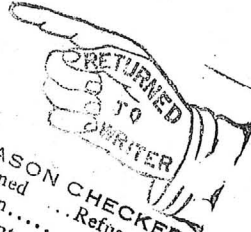
George A. Ballam

RAL RESOURCES

zona

airgrounds

ZONA



RETURNED
TO
WRITER

REASON CHECKED
Unclaimed
Unknown.....Refused.....
Insufficient address.....
Moved, Left no address.....
No such office in state.....
Do not remail in this envelope

Call me
at 414-1111
for more information



Mr. George Lieben

Rt. 4, Box 358

Tucson, Arizona

no Box
C 3267A

Wob RY

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

September 29, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Flat Claims
(Property)

copper
(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report



HIRE
IT

Mr. George Lieben
Rt. 4, Box 358
Tucson, Arizona

unknown
328. mfb



REASON CHECKED
Unclaimed ☒ Refused ☒
Unknown ☒
Insufficient address ☒
Moved, Left no address ☒
No such office in city ☒
No return address ☒

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

February 24, 1958

To the Owner or Operator of the Arizona Mining Property named below:

HILLTOP MINE	COPPER	SILVER	GOLD
(Property)	(ore)		

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report