



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.

04/30/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLUE COPPER PATENTED GROUP

ALTERNATE NAMES:

AZURITE
DESERT LAKE
JACK DURHAM

PINAL COUNTY MILS NUMBER: 604

LOCATION: TOWNSHIP 8 S RANGE 12 E SECTION 7 QUARTER SE
LATITUDE: N 32DEG 44MIN 53SEC LONGITUDE: W 111DEG 08MIN 27SEC
TOPO MAP NAME: TORTOLITA MTS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE

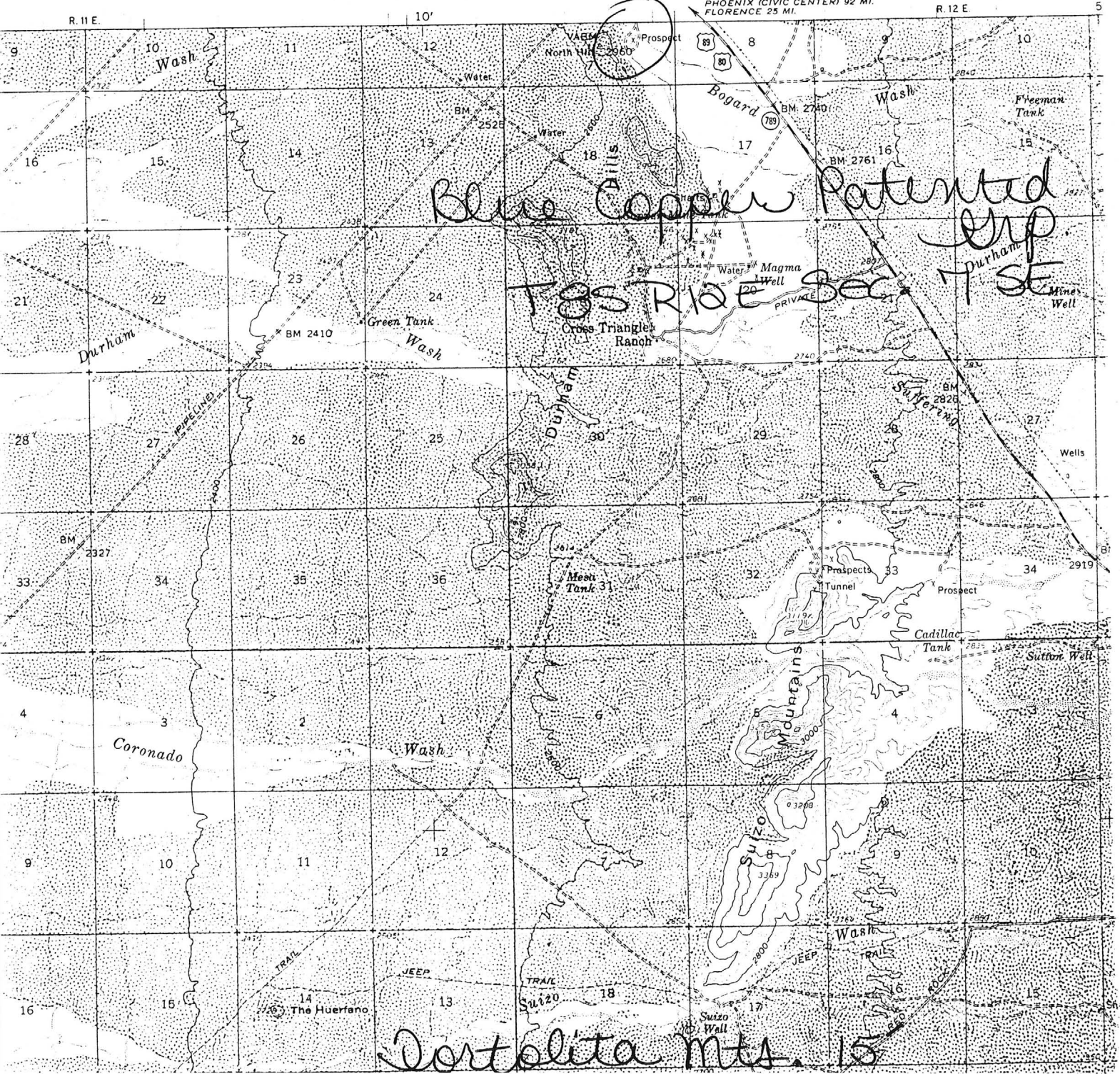
BIBLIOGRAPHY:

ADMMR BLUE COPPER PATENTED GROUP FILE
ADMMR BLUE COPPER MINE FILE
BARTER, C.F. "GEOL OF OWL HEAD MNG DIST, PINA
L, AZ" (ADMMR GEOLOGY FILE)

ERIOR

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

PHOENIX (CIVIC CENTER) 92 MI.
FLORENCE 25 MI.



Blue Copper Patented
TOS RIDE Sec 7 SE

Dortolita Mts. 15

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Blue Copper Patented Group

Date June 13, 1962

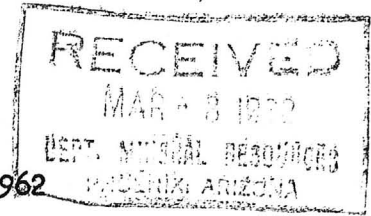
District Black Mountain (Owl Head) Dist., Pinal Co. Engineer Axel L. Johnson

Subject: Information from Larry Drake et al

References: Reports of Feb. 14, 1962 and Dec. 19, 1961.

Present Activity: Mine is closed down. Operators, Guzman & Schwarz Mining Co., Superior, Ariz., are reported to have closed down operations about two months ago. They are now reported to be operating the old North Star Mine, said to be located about 3 miles north and about 9 miles west of the Tom Mix monument on Hwy. #80.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Blue Copper Patented Group

Date Feb. 14, 1962

District Black Mountain (Owl Head) Dist., Pinal Co. Engineer Axel L. Johnson

Subject: Information from 2 workers at the mine and from Larry Drake.

References Report of Dec. 19, 1961

Location See report of Dec. 19, 1961

Number of Claims 1/2 a section (320 acres) of patented land (Desert Homesite), with mineral rights purchased from the person patenting same. Mr. Larry Drake informs me that the patent was issued with exclusions for several old mining claims existing at the time of issuance of the patent, and that Mr. R. J. Edwards, the purchaser, in order to obtain added protection, relocated the old existing claims.

Owner R. J. Edwards, Coolidge, Ariz.

Lessees Guzman & Schwarz Mining Co., Superior, Ariz.

Mike Guzman, Sr., Superior

Mike Guzman, Jr., "

W. M. Schwarz, Live Oak St.k, Miami, Ariz.

Date of lease -- May 27, 1961. Date of posting same -- Aug. 29, 1961

Superintendent ----- Mike Guzman, Superior.

(Previous foreman, James Lambert, is not now with the company)

Principal Minerals Siliceous copper ores, mostly oxides.

Present Mining Activity Open pit mining operations. 3 men working. No production at present. Stockpiling being done for future shipment.

Geology & Ore Values See report of Dec. 19, 1961.

Milling & Marketing Facilities Operators were shipping to Magma Copper Co. smelter in Superior, for use as silica flux, before the smelter closed down in December on account of the fire in the Magma Mine. Now, the smelter is expected to start up again in a week or two, and, when the smelter resumes operations, the ore, now being stockpiled, will be shipped, in addition to ore excavated from normal operations.

Mr. Larry Drake informs me that the operators are, also considering shipping the ore to the A. S. & R. smelter at Hayden.

Reported that Blue Copper Patented Claims had closed down.

AXEL L. JOHNSON - Weekly Report - 5-5-62

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Blue Copper Patented Group Date Dec. 19, 1961
District Black Mountain (Owl Head) Dist., Pinal Co. Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from James Lambert and personal visit.

Location Approx. Sec. 7- T 8 S - R 12 E. About 1/4 miles NW of Tucson. Starting from Tucson, drive NW on Hwy. 80-89 for a distance of 43 miles to 0.2 miles NW of mile post 108 or 1.2 miles SE of SW Iron & Steel turnout. Turn left (SW) and drive about 1 mile on dirt road to the mine.

No. of Claims 1/2 section (320 acres) of patented land (Desert Homestead), with the mineral rights privately owned.

Owners R. J. Edwards, Coolidge, Ariz. owns the mineral rights, having purchased same from one of the previous homestead owners. Dave Owens owns the surface.

Lessees • W. M. Schwarz, 603 Live Oak St., Miami, Ariz.
• Mike Guzman, Sr., Superior, Ariz.
• Mike Guzman, Jr., Superior, Ariz.
Date of lease --- May 27, 1961. Date of posting --- Aug. 29, 1961.
Foreman --- James Lambert, Miami, Ariz.

Principal Minerals Silicious copper ores, mostly oxides.

Present Mining Activity Open pit mining operations. 3 men working. Production about 50 tons per day, when operating.

Geology Ore lenses and ore fissures in quartzite rock, overlaying a granite formation.

Ore Values Ore is reported to average about 2 % copper, with about 80% silica.

Milling & Marketing Facilities Direct shipping to Magma Copper Co. smelter in Superior, for use as silica flux.

Old Mine Workings Several old vertical shafts ---- 1 reported to be 100 ft. deep, 1 reported to be about 80 ft. deep, 1 about 50 ft. deep, and 1 about 12 ft. deep.

New Mine Workings Open pit about 300 ft. x 500 ft., and 25 to 50 ft. deep.

Review of Recent Operations The lessees made an agreement, under date of Sept. 1, 1961, with H. C. Smith, Globe, Ariz., providing for Mr. Smith to mine the ore on a contract at a fixed price per ton. Mr. Smith started mining operations about Sept. 19, and continued, with some minor interruptions, until about 3 weeks ago, when the contract was terminated. The lessees, shortly thereafter, made arrangements to do their own mining, and engaged James Lambert as foreman to supervise the operations.

The mining equipment in use at the present time consists of a 105 c.f.m air compressor, several jackhammers, one HD-5 crawler loader, and one 18 ton truck.

The blast holes are drilled with jackhammers to a depth of 6 to 7 ft., and 45 % gelatin dynamite is used for the blasting charge. The ore is loaded with the HD-5 loader into the 18 ton truck, and hauled a distance of about 57 miles to the Magma Copper Co. smelter at Superior.

Mr. Lambert reports that high silica smelter rates are obtained from Magma Copper.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Blue Copper ~~Mine~~ Patented Group

Date 9-21-61

District Owl's Head Dist., Pinal Co.

Engineer Lewis A. Smith

Subject: Interview with Mike Guzman

Location: On Bogart Wash, (approx. Sec. 12T8S R11E and Sec. 7T8S R12E)
(The property is 1 mile west of Hwy 80 and 1 mile north from a point
28 miles Southeast of Florence) It adjoins Omega.

Property: 3 Groups of Claims, Azurite (4) Desert Lake (11) Jack Durham Gr (6) (unpatented)

Operators: Guzman & Schwartz Mining Co., Superior.
H. C. Smith, Foreman (Globe)

Work and Geology is described in the Files by Arthur Flagg and McFarland in (unpatented)
reports in the files.

Present Work: Open pitting of copper ore is being done by H. C. Smith for
Guzman and Schwartz. They are shipping 1 car a day to Magma Copper
Company for flux. Thus far the ore has ranged from 1.5 percent to 4 percent
copper and 70-75 percent Silica. The haul to Superior, by truck, is
about 60 miles. Equipment consists of a front loader, R.D.8 cat and
trucks. Mr. Guzman states that the granite and quartzite country rock
has been variable silicified out ^{from} fractures. The fractures carry, narrow,
but good grade ore, furnishing sweetness for the intervening areas.
In places, however, the stringers are too far apart to make commercial
ore.