



## **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](mailto: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.

06/18/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: TULE MINE

ALTERNATE NAMES:

T BONE MINE  
PATENTED CLAIM MS 2016

GRAHAM COUNTY MILS NUMBER: 159

LOCATION: TOWNSHIP 5 S RANGE 20 E SECTION 31 QUARTER SE  
LATITUDE: N 32DEG 57MIN 03SEC LONGITUDE: W 110DEG 19MIN 54SEC  
TOPO MAP NAME: COBRE GRANDE MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD SULFIDE  
ZINC SULFIDE  
COPPER SULFIDE  
SILVER SULFIDE

BIBLIOGRAPHY:

USGS PP. 461, GEOLOGY OF THE KLONDYKE QUAD,  
P. 141, 1964  
BLM AMC FILE 6032  
ADMMR TULE MINE FILE

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Not for publication

Mine T Bone Mine

Date Sept. 5, 1957

District Aravaipa District, Graham County

Engineer Axel L. Johnson

Subject: Present Status. Information from Borden Burleson. Not Visited.

References Report of June 5, 1957.

Changes and additions from last report:

Present Mining Activity Shaft sinking. 4 men working.

Mining Operations since last report

- (1) Built 2 miles of road.
- (2) Built ore bin.
- (3) Installed hoist, skip and air compressor.
- (4) Sank shaft an additional 30 ft. Now down to a depth of about 55 ft.

Proposed Plans

- (1) To sink the shaft down to a depth of 100 ft., and then drift east on the vein.
- (2) To make some kind of arrangements to have the ore milled at the Athletic Mill.

Note : I did not visit the property, as I was informed by Mr. Burleson that there was no one working at the property ~~on September 5~~ the day I made the trip to Klondyke. The men, it was stated had gone to town for supplies. I hope to be able to visit the mine on my next visit to the area the first week in November.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Not For Publication

Mine T Bone Mine

Date June 5, 1957

District Aravaipa District, Graham County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Borden Burleson. Not Visited.

References Report of April 4, 1957.

Location Near Aravaipa. About 1,000 feet due east of Tule Springs.

Number of Claims 31 patented claims. (20 claims in the Hollis Gr & 13 cls in the Rio Tinto Group)

Owners Glen Dowdle Estates, Klondyke, Ariz.

Lessees Saber Mining Co., Richard M. Rutledge, et. al., Safford, Ariz.  
Raymond Pointer, Box 515, Thatcher, Ariz. ---- Manager.  
Mr. Gleed, Mine Foreman.

(Borden Burleson and Frank Tapia, former holders of the lease, transferred same to the Saber Mining Co. with the provision that they receive 1/4 of all operating profits)

Principal Minerals Lead, Zinc, Copper, Silver. All sulphides. Practically all sulphides, even on the surface.

Present Mining Activity No mining activity at the property at the present time. Operators expect to start operations some time before July 1st, or as soon as they wind up their operations at the Oriana Mine.

Geology and Mineralization Mr. Burleson reports that the ore is found along a rhyolite-limestone contact, with widened out replacements in the limestone. He reports that the shaft, which he and Mr. Tapia was sinking (now down to depth of 25 ft.) shows about 8 ft. wide of milling grade ore. This shaft was sunk on the rhyolite-limestone contact, which strikes approx. east and west and dips about 70 degrees to the north. He explained that exploration work on this property in the past has been on copper showings, and has all been in the rhyolite, or along a rhyolite-porphry contact, leaving the rhyolite-limestone contact undisturbed. Minerals are lead, zinc, and copper sulphides.

Ore Values Samples taken on 3 to 4 width of the ore showings give Lead -- 11 %; Zinc -- 16 %; Copper -- 1 %.

Ore in Sight and Probable Not known. Exploration just starting.

Milling and Marketing Facilities Company expects to be able to make arrangements to have the ore milled at the Klondyke mill of the Athletic Mining Co. (mill not working at full capacity milling the Athletic ore). Company hopes to mine 500 tons per month of ore averaging from 7 to 8 % lead, and 13 to 15 % zinc.

Past History and Production

(1) Past exploration work has been in the rhyolite and along a rhyolite-porphry contact, mostly on copper showings.

(2) No ore shipments have been reported from the property in the past.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Not for publication

Mine T Bone Mine (continued)

Date June 5, 1957

District Aravaipa District, Graham County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Borden Burleson. Not visited.

Old Mine Workings & Condition

- (1) 3 or 4 long adits (mostly caved)
- (2) 3 or 4 shallow shafts.
- (3) several open cuts.

New Mine Workings

(1) Shaft (incl. 70 deg.) -- 25 ft. deep --- sunk recently by Borden Burleson and Frank Tapia, who held the lease until recently; work being done week ends on spare time.

Proposed Plans Plans of the new operator's are as follows:

- (1) To ~~sink~~ build a new road into the property a distance of about 2 miles. The present road is too steep and rough.
- (2) To bring in and install mining equipment necessary for the mine operation.
- (3) To sink the present 25 ft. shaft, started by Burleson and Tapia, down to a depth of 100 to 200 ft. This shaft is on the rhyolite-limestone contact and in ore.
- (4) To sink a second shaft, about 150 ft. to the east and in the limestone.
- (5) To mine ore and have same milled at the Klondyke mill of the Athletic Mining Co.

Remarks I did not visit the property, as there was no one working at the time, and the road is reported to be bad. Will visit this property on my next trip to Klondyke.

Further remarks Remarks by Borden Burleson -- "Please withhold any publicity on the property until such a time as actual mine shipments have been made."

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

Not For Publication

FIELD ENGINEERS REPORT

Mine T Bone Mine Date June 5, 1957  
District Aravaipa District, Graham County Engineer Axel L. Johnson  
Subject: Field Engineers Report. Information from Borden Burleson. Not Visited.

References Report of April 4, 1957.

Location Near Aravaipa. About 1,000 feet due east of Tule Springs.

Number of Claims 31 patented claims. (20 claims in the Hollis Gr & 13 cts in the Rio Tin o@Group)

Owners Glen Dowdle Estates, Klondyke, Ariz.

Lessees Saber Mining Co., Richard M. Rutledge, et. al., Safford, Ariz.  
Raymond Pointer, Box 515, Thatcher, Ariz. ---- Manager.  
Mr. Gleed, Mine Foreman.

(Borden Burleson and Frank Tapia, former holders of the lease, transferred same to the Saber Mining Co. with the provision that they receive 1/4 of all operating profits)

Principal Minerals Lead, Zinc, Copper, Silver. All sulphides. Practically all sulphides, even on the surface.

Present Mining Activity No mining activity at the property at the present time. Operators expect to start operations some time before July 1st, or as soon as they wind up their operations at the Oriana Mine.

Geology and Mineralization Mr. Burleson reports that the ore is found along a rhyolite-limestone contact, with widened out replacements in the limestone. He reports that the shaft, which he and Mr. Tapia was sinking (now down to depth of 25 ft.) shows about 8 ft. wide of milling grade ore. This shaft was sunk on the rhyolite-limestone contact, which strikes approx. east and west and dips about 70 degrees to the north. He explained that exploration work on this property in the past has been on copper showings, and has all been in the rhyolite, or along a rhyolite-porphry contact, leaving the rhyolite-limestone contact undisturbed. Minerals are lead, zinc, and copper sulphides.

Ore Values Samples taken on 3 to 4 width of the ore showings give Lead -- 11 %; Zinc -- 16 %; Copper -- 1 %.

Ore in Sight and Probable Not known. Exploration just starting.

Milling and Marketing Facilities Company expects to be able to make arrangements to have the ore milled at the Klondyke mill of the Athletic Mining Co. (mill not working at full capacity milling the Athletic ore). Company hopes to mine 500 tons per month of ore averaging from 7 to 8 % lead, and 13 to 15 % zinc.

Past History and Production

(1) Past exploration work has been in the rhyolite and along a rhyolite-porphry contact, mostly on copper showings.

(2) No ore shipments have been reported from the property in the past.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Not for publication

Mine T Bone Mine (continued)

Date June 5, 1957

District Aravaipa District, Graham County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Borden Burleson. Not visited.

Old Mine Workings & Condition

- (1) 3 or 4 long adits (mostly caved)
- (2) 3 or 4 shallow shafts.
- (3) several open cuts.

New Mine Workings

(1) Shaft (incl. 70 deg.) -- 25 ft. deep --- sunk recently by Borden Burleson and Frank Tapia, who held the lease until recently; work being done week ends on spare time.

Proposed Plans Plans of the new operator's are as follows:

- (1) To ~~etc~~ build a new road into the property a distance of about 2 miles. The present road is too steep and rough.
- (2) To bring in and install mining equipment necessary for the mine operation.
- (3) To sink the present 25 ft. shaft, started by Burleson and Tapia, down to a depth of 100 to 200 ft. This shaft is on the rhyolite-limestone contact and in ore.
- (4) To sink a second shaft, about 150 ft. to the east and in the limestone.
- (5) To mine ore and have same milled at the Klondyke mill of the Athletic Mining Co.

Remarks I did not visit the property, as there was no one working at the time, and the road is reported to be bad. Will visit this property on my next trip to Klondyke.

Further remarks Remarks by Borden Burleson -- "Please withhold any publicity on the property until such a time as actual mine shipments have been made."

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine T Bone Mine

Date April 4, 1957

District Aravaipa District, Graham Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Borden Burleson. Not visited.

Location Near Aravaipa. About 1,000 ft. due east of Tule Springs.

Owner Glen Dowdle

Lessees & Operators Borden Burleson and Frank Tapia, Klondyke, Ariz.

Principal Minerals Lead and Zinc.

Present Mining Activity Shaft sinking, sinking an incline shaft on the vein.

Present Mining Operations Shaft sinking. Shaft is down about 15 ft. now. Operators are working part time only as they are employed with the Athletic Mining Co., Borden Burleson, being Mill Foreman for the Athletic.

Remarks Did not visit the property on account of lack of time. Will visit the property on my next visit to Klondyke and Aravaipa in June, and make a report on same.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine T Bone Mine

Date April 4, 1957

District Aravaipa District, Graham Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Borden Burleson. Not visited.

Location Near Aravaipa. About 1,000 ft. due east of Tule Springs.

Owner Glen Dowdle

Lessees & Operators Borden Burleson and Frank Tapia, Klondyke, Ariz.

Principal Minerals Lead and Zinc.

Present Mining Activity Shaft sinking, sinking an incline shaft on the vein.

Present Mining Operations Shaft sinking. Shaft is down about 15 ft. now. Operators are working part time only as they are employed with the Athletic Mining Co., Borden Burleson, being Mill Foreman for the Athletic.

Remarks Did not visit the property on account of lack of time. Will visit the property on my next visit to Klondyke and Aravaipa in June, and make a report on same.

Claim Located

190

Mineral Survey No. 2438

Lot No.

Land District.

# PLAT

OF THE CLAIM OF

KNOWN AS THE

IV MINING DISTRICT,

COUNTY,

Containing an Area of \_\_\_\_\_ Acres.  
Scale of 500 Feet to the inch.

SURVEYED 190 BY

U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of  
Known as the

from which this plat has been made under my direction, have been examined and approved, and are on file in this office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or grantors, and that said improvements consist of

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office.

U.S. Surveyor General for

190

## Sheet No. 2.



### Improvements

- Tinto lode - from W.E.G.  
 No. 1 dis. cut - 4-6-6 ft. - N. 64° 23' E. - 640 ft.  
 from Cor. N. 91.  
 No. 2 tunnel - 5-7-40 ft. - S. 42° E. - 180 ft.  
 No. 3 cut - 6-6-20 ft. - S. 16° 10' W. - 354 ft.  
 No. 4 shaft - 4-6-50 ft. - S. 22° 50' W. - 367 ft.  
 No. 5 cut - 6-8-30 ft. - S. 24° 50' W. - 400 ft.  
 No. 6 shaft - 4-6-105 ft. - S. 31° 40' W. - 593 ft.  
 Sandy lode - from E.E.G.  
 No. 1 dis. open cut - 4-6-6 ft. - N. 72° 51' W. - 706 ft.  
 from Cor. N. 91.  
 No. 2 shaft - 4-6-10 ft. - S. 77° 20' W. - 180 ft.  
 No. 2 open cut - 10-10-20 ft.  
 from Cor. N. 95.  
 No. 3 cut - 5-8-10 ft. - S. 72° 51' E. - 325 ft.  
 No. 4 cut - 8-20-20 ft. - N. 61° 15' E. - 365 ft.  
 No. 5 shaft - 4-6-20 ft. - N. 64° E. - 280 ft.  
 No. 6 cut - 5-10-30 ft. - N. 68° E. - 235 ft.  
 No. 7 cut - 4-6-6 ft. - N. 72° E. - 255 ft.  
 No. 8 cut - 4-6-15 ft. - N. 79° E. - 235 ft.