



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the Cambior Exploration USA Inc. records

### **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.

THE COLORADO ASSAYING COMPANY  
2013 Welton Street  
Denver 1, Colo.  
Dec. 16, 1953

Report on Spectrographic Analysis submitted by Mr. W.D. Smith,  
El Monte, Calif.

<u>Elements Present</u>	<u>Approximate Percentages</u>
Silicon - - - - -	major
Copper - - - - -	10.-20.
Iron - - - - -	5.-15.
Aluminum - - - - -	2.-5.
Uranium - - - - -	.2-1.
Sodium - - - - -	.1-1.
Potassium - - - - -	.1-1.
Lead - - - - -	.05-.2
Calcium- - - - -	.05-2.
Magnesium - - - - -	.1-.3
Titanium - - - - -	.01-.1
Lithium - - - - -	.01-.1
Nickel - - - - -	.01-.05
Vanadium - - - - -	.01-.05
Manganese - - - - -	.001-.01
Strontium - - - - -	.01-.05

Gold trace

Silver .40 oz. per ton - 36¢ per ton

REMARKS: This sample consists chiefly of hard white Quartz (silica).  
The white to pale green flaky mineral is mica (complex potassium sodium silicate).  
The brown mineral is Limonite (hydrrous iron oxide).  
The blue mineral is Azurite (copper carbonate) while the green is Malachite (also copper carbonate).  
The metallic yellow mineral is Chalcocite (copper iron & sulphur).  
The uranium is probably present as pale green copper uranium carbonate and is probably a primary mineral as no secondary fluorescent uranium minerals are present.  
This ore is valuable for the copper and uranium contents.

Respectfully submitted,

THE COLORADO ASSAYING COMPANY

(Signed) Edmund Phillips

STAR ROUTE

GABRIELSON  
3021 East Whitton Avenue  
Phoenix 16 Arizona.  
April 9th 1962.

Mr. J.V. Rustamento,  
P.O. Box 1714,  
Globe Arizona.

Dear Mr. Rustamento:

It is axiomatic that "the best place to seek a big and rich mine is where there are big and rich mines". Your Star Route (formerly Bronx Copper) property fully qualifies, for it adjoins and is between some of the largest and richest mines of Arizona, mines with records of production and profits, which prove this Miami-Superior area to be one of the richest mineralized regions of earth; with active production for the past 50 years - and as yet what appears to be its infancy.

These mines are rich and productive because they were mineralized by hydrothermal solutions emanating from ore magma reservoirs miles-deep below the upper cooled-off portion of a batholithic intrusive granite; from these vast ore magma reservoirs originated the Magma, Silver King, Miami, Inspiration, Castle Dome and other numerous rich ore deposits. Crustal fractures which reached great depths tapped these reservoirs, permitting ore bearing solutions and ores to ascend to form the ore deposits of the region - these ore deposits being vertically ranged in zones according to temperatures and pressures - the character and grade of the ores also influenced by chemical reactions with the various types of rocks bordering the fracture zones.

On your property the surface formation is a coarse textured Pre Cambrian granite, cut by dikes of fine grained granitic porphyry. This Pre Cambrian granite is but a shell or cap rock of unknown thickness, underlain by the batholithic intrusive (Schultze granite) of the region, considered to be the main source of mineralization of the region. Abundant evidence shows this Pre Cambrian formation was formerly covered by a vertical thickness of thousands of feet of sedimentary and other rock formations; the combination of extensive faulting and erosion have since removed most of this strata. Thus, what can today be seen of the mineralization exposed in the working of your property, was, AT THE TIME OF MINERALIZATION, thousands of feet below the then surface. This is important, because study of the geology, the types of mineralization, etc, provide a sound basis for estimating the future mineralization and economic potential after further development of your property - which must be to depth below existing workings.

Your property covers an area about 4,000 X 4,500 feet, but my examination was largely centered upon an intensely sheared zone about 600 ft wide. Workings and mineralization of this sheared zone provided ample evidence of the past history of the property - and of the types of mineralization which demonstrate the economic potential of the property.

Appearances indicate that the former owners held the property for many years; they merely walked down a gulch - today less than one mile from paved highway - and, within a width of 600 ft, in three places where veins and ores were exposed in the gulch, started drifting on ore. This exposed ore was rich enough to ship, they started work, shipped ALL the ore they mined - and made a sufficient living from these shipments.

airtrack holes intersected copper oxide mineralization scattered over an area roughly 3000 feet square. Mapping and collection of 23 samples covered an area encompassing approximately two sections. Sampling focused on linear zones of elevated fracture hematite and on several prospects exposing fracture chrysocolla and variable amounts of silicification. Peripheral to these copper showings and some one to two miles distant are several reported gold and silver prospects.

Much of the area exposes well-developed planar silicification, chlorite/sericite alteration and mylonitic textures in granodiorite, and strongly suggests a detachment setting.

Sampling yielded seven assays exceeding 2500 ppm Cu with a high of 1.7% over three feet. Additional testing will require trenching or drilling.

Dripping Springs/Alice Mine Area, Pinal & Gila Counties: This area is dominated by extensive exposures of carbonates with lesser diabase and interbedded quartzites. Magnetite and local copper skarn mineralization were evaluated in several areas where andesite porphyry dikes intrude the carbonate sequence. Workings expose mostly discontinuous and poddy replacement-type mineralization. Structurally prepared quartzite and diabase appear to be the most prospective host lithologies for copper oxide mineralization in this area and will be the focus of any further work.

Prospect adjacent to Suizo & Copper Cadillac, Pinal County: Several prospect showings approximately one mile north of Copper Cadillac appear to be discovery posts and do not expose any mineralization.

Of most interest are several prospect showings of matrix chrysocolla in poorly graded, mixed lithology sedimentary units interpreted to be gravels deposited on the paleosurface between Tertiary volcanic flows. Four samples collected to date averaged 2.8% Cu including 20 feet of 2.7% Cu. Mineralization here appears to be exotic. Further work is anticipated in April.

Discussions with William Lacey, Tucson: Attempts to gain information on a reported drill intercept of oxide copper mineralization in the vicinity of Suizo were unsuccessful. However, Mr. Lacey has strongly recommended investigation of the Johnson Camp area along the east flank of the Laramide age Texas Canyon intrusive. Previous drilling efforts are reported to have partially outlined extensive copper mineralization hosted by carbonate and quartzite lithologies. Mr. Lacey will be sending additional data on this area.

Sections 1 & 2 and 6 & 7 T1S

R13 114E

Star Route Claims, Gila County: These claims, located approximately .5 miles southwest of the proposed Carlotta pit were submitted to Cambior by Richard Amado. Two to four foot wide quartz veins in Schultz granite host pyrite, chalcopryrite, molybdenite, aranzinite(?), and local azurite and malachite. Gold

Note: These claims had been earlier evaluated by Dale Armstrong while working on the Carlotta Project



and copper production is reported from approximately 600 feet of workings. Mineralization appears poddy and restricted to vein structures. No further work is recommended.

Mr. Amodo is well-acquainted with claimholders in the Globe area and has submitted several additional properties to Cambior. It is anticipated that these properties will be visited in early April. Of particular interest at this time is a volcanic breccia hosted copper oxide occurrence close to Oracle, Arizona.

DA Claims, Pinal County: Limited initial evaluation of this property has defined a broad color anomaly hosted by PreCambrian granites and Laramide age diorite and rhyolite porphyry. Elevated iron oxides appear related to widely occurring, disseminated specular hematite. Copper mineralization has not yet been located along several linear trends marked by strong clay-sericite alteration and weak silicification. This area is complexly dissected by intersecting(?) structures. Additional work is anticipated in April.

Nicholas Barr  
Geologist

NB:lat

Accuracy and realism demand that this property be viewed from a geologic perspective rather than from past human performance. Former owners obviously were handicapped by lack of mining equipment - and far more badly handicapped by lack of mining vision and business ability. This valuable property was permitted to remain unknown and undeveloped, while surrounding mines with similar or lesser geological conditions and economic potential were more properly handled - and so became fabulously productive and profitable mines.

The entire 600 ft. width visited is evidently the upper periphery of large scale mineralization at greater depth; it is an intensely sheared zone, ribboned with very numerous closely spaced veins and veinlets. Some veins are over four feet wide. The rocks bordering the veins were bleached and softened by solutions accompanying the various successive invasions of ore.

Ore exposed in workings directly indicates changing temperatures and three successive waves of ore invasion ascending the fractured zones.

1. Quartz with molybdenite and minor chalcopyrite. Fairly high temperature.
2. Gold bearing quartz-pyrite, with chalcopyrite, etc. A "Gold ore".
3. Massive pyrite with chalcopyrite, bornite, etc. A Copper ore.

The foregoing paragenesis is substantiated by the facts that former owners drifted on one vein from which they are reported to have shipped gold ore that brought them over \$60,000 - and samples of the other types of ore were taken from dumps and workings.

On this property correlation of the geology and mineralization indicates that where any two types of the above ore are present, right there an ore shoot is indicated that can be followed to depth with confidence - and every reasonable expectation that value of ore will increase, that volume of ore will increase - and eventually lead into large bodies of copper ore at depth.

A factor of real importance has NOT YET been mentioned in this letter. It is known that in Post Cambrian times the region was invaded by a major basic (diabasic) batholith, and this diabase probably underlies the Pre Cambrian surface rocks. The diabase and other formations were later invaded by the Schultze granite, and, as in the Maga and numerous other mines of the region, IN THE CHANNELS where ore and ore bearing solutions ascended from the still-uncooled portions of the granite, the miles-deep ore reservoirs, where these solutions passed up through the diabase, chemical reactions precipitated both sulphides and metals to form large and rich deposits of ore.

This brief outline does not assume to convey more than an elementary concept of the geological conditions of your property - which apparently REQUIRES ONLY PROPER GUIDANCE, for financing, outline a drilling campaign; selection of shaft site, and sinking to depth. While this shaft is being sunk enough ore should be produced to largely defray its cost, and, at depth, permit lateral development in ore to definitely place this property among the large and profitable mines of the region.

Respectfully,

*C.W. Gabrielson*  
C.W. Gabrielson.

ADDED DATA. Since the above report was written exploration and development on the Stovall property has definitely demonstrated the geological statements herein to be correct.



**URANIUM:**

The writer discovered that the dump on #6 tunnel was very active, and also the 24-inch vein in place at the portal. The discovery specimen taken off the dump activated the geiger beyond its capacity. Dr. S.J. Broadwell, Nuclear Physicist, unlocked the uranium in a specimen he took from the dump. It ran in excess of 4% uranium, primary, with no thorium and no secondary uranium. One other area of activity on the property has not been explored.

Colorado Assaying Co. (sampler from the dump) gave approximate percentages of Uranium .2-1%; Copper 10-20%. No thorium.

This caved tunnel was opened up and extended 117 ft. It shows continuous improvement in mineralization. We encountered considerable molybdenum impregnated with copper. A 20 inch vein of chalcopyrite exposed on the hanging wall widened to 4 ft. at the floor level of a 15' winze. On the floor of the tunnel, approximately 10' from this vein, there is a steady radiometric activity which gave a full scale reading.

**HISTORY:**

Within 15 miles of the property are 3 producing mines which have contributed millions to the world's wealth during the last 25 years, viz, Inspiration Consolidated Copper, Miami Copper, Magma Copper.

The property, formerly known as the Bronx Copper Mine, consisting of 16 claims owned by Frederic Weiss, a German geologist graduate of Heidelberg University, was kept in good standing by his widow until her death, after which it was taken over by L. Chidley, who added two claims and changed the name to "Star Route Mine". In the 90's the claims were worked for high grade copper, silver and gold, proving profitable. Tunnel #6 was worked as a silver mine, the ore being carried by pack-mule to the Old Dominion Mine and Mill at Globe.

On claim #2 there is a quartz vein some 1500 ft. in length, carrying copper sulphides on the surface outcrops. This is a very promising vein and takes the same strike and dip as all the other mineralized areas, of which there are many on the property. Claim #3 is said to have produced \$60,000 in gold alone. It has a 210' tunnel at first level and 130' at the 70-foot winze level. At this lower level of #2 tunnel the mine was worked following a very high grade gold stringer which appeared to be the bottom. It was there that 1.77% molybdenite was said to have occurred in white quartz.

On Claim #5 is the 110' moly tunnel with a winze 37' and a drift of 65'. The vein proper is approximately 7' wide and is said to have carried 1.04% MO. The 5' hanging wall of practically pure muscovite (85-95%) is said to have carried .25-1% MO. In this #5 tunnel molybdenite is said to have occurred in fissure veins of muscovite and white quartz. Recently a geologist said he traced this quartz vein more than 2000 ft. Muscovite is encountered most any place where the pegmatite porphyry cap is penetrated. One geologist described the zone as a big bubble in the cooling of the earth's surface with the workings sitting on top of an unusually large body of molybdenite.

Respectfully submitted  
MAJOR METALS MINING CORP.

COPY

The following quotations are excerpts from a report made January 27, 1941, by Mr. E. Hoekstra, E. E., a partner in the Electrical Mine Survey Company of South Pasadena, California.

"We have conducted a complete Geophysical Electrical Survey of the Bronx Copper Mine, extending over a period of many months, from June to September 1940, the results of which were very gratifying, enabling us to outline topographically a number of substantial ore-bodies.

"In November 1940, we returned and directed the sinking of a shaft, and after reaching a depth of 20 ft. we encountered a two and one-half foot vein, or ledge matter, which upon assay for molybdenum at the International Smelter & Refining Company at Miami assayed Mo62 14%, which is 280 lbs. pr. ton.

"In January 1941 we dewatered the 25 ft. shaft and took a good representative sample across the ledge, which we had assayed for copper at the Miami Copper Company at Miami. The assay showed 25% copper, which is 500 lbs. per ton."



<u>NAME</u>	<u>BOOK</u>	<u>PAGE</u>
Molybdenum No. 1	50	179
Molybdenum No. 2	50	180
Molybdenum No. 3	50	181
Molybdenum No. 4	50	182
Bronx Copper No. 1	50	183
Bronx Copper No. 2	50	184
Bronx Copper No. 3	50	185
Bronx Copper No. 4	50	186
Bronx Copper No. 5	50	187
Bronx Copper No. 6	50	188
Bronx Copper No. 7	50	189
Santa Rosa No. 1	50	190
Santa Rosa No. 2	50	191
Santa Rosa No. 3	50	192
Santa Rosa No. 4	50	193
Bronx Copper No. 8	50	216
Bronx Copper No. 9	50	217
Bronx Copper No. 10	50	218
Bronx Fraction (Docket)	1	1
Little Joe (Docket)	4	242

University of Arizona  
Tucson

February 7, 1951

Mr. L. Chidley  
11236 E. Dodson St.  
El Monte, California

Dear Mr. Chidley:

Replying to your letter of February 2, we find very little in our files on the Bronx Copper Company.

A brief description of the property in 1928 appears as follows:

"Veins, Schultz granite. Contact with Pinal schist about a mile west of the main workings. Some of the veins are about on the contact. Pegmatite and aplite occur. Veins strike NE and dip SE; carry pyrite, chalcopyrite, and molybdenite. 1/8 flakes of muscovite seem to be common hydrothermal alteration product. Little fluorite. Veins ranging from 0" to a few feet in width."

"We have no production data on this property."

Yours very truly

SIGNED: J. W. Anthony  
Mineralogist

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

TONTO NATIONAL FOREST  
Globe Ranger District  
Globe, Arizona

2810 Mining Claims  
Star Route Claims

August 15, 1979



Mr. John V. Bustamante  
406 Sullivan Street  
Miami, Arizona 85539

Dear Mr. Bustamante:

Enclosed are three copies of an operating plan that you should carefully review and sign if it meets your needs. Mining Engineer Mark Roberts prepared this plan after talking with you on the phone on August 14, 1979. This plan should adequately describe your intended operations as well as meet our requirements.

If this plan is agreeable to you, please sign all three copies at the bottom of page 4 and again at the bottom of page 5. Be sure to date them, then return two copies to us, keeping one copy for your records. This plan is not approved until we receive the two signed copies from you.

Be sure to call Mark Roberts at 425-7189 if you have any questions or problems with this plan.

Sincerely,

DAVID M. STEWART  
District Forest Ranger

Enclosures

۱۰  
 ۹  
 ۸  
 ۷  
 ۶  
 ۵

1937-1938

100

o n

[illegible]

DATE	DESCRIPTION	AMOUNT	BALANCE
1903	TO BALANCE	100.00	100.00
1903	BY CASH	50.00	50.00
1903	BY CASH	50.00	100.00
1903	BY CASH	50.00	150.00
1903	BY CASH	50.00	200.00
1903	BY CASH	50.00	250.00
1903	BY CASH	50.00	300.00
1903	BY CASH	50.00	350.00
1903	BY CASH	50.00	400.00
1903	BY CASH	50.00	450.00
1903	BY CASH	50.00	500.00
1903	BY CASH	50.00	550.00
1903	BY CASH	50.00	600.00
1903	BY CASH	50.00	650.00
1903	BY CASH	50.00	700.00
1903	BY CASH	50.00	750.00
1903	BY CASH	50.00	800.00
1903	BY CASH	50.00	850.00
1903	BY CASH	50.00	900.00
1903	BY CASH	50.00	950.00
1903	BY CASH	50.00	1000.00



THE UNIVERSITY OF CHICAGO PRESS



APRIL 9

2010

10.0000000000

S G

JB #1 Between Vols

JB #2

JB Vols

JB Vols

10.0000000000

10.0000000000

10.0000000000

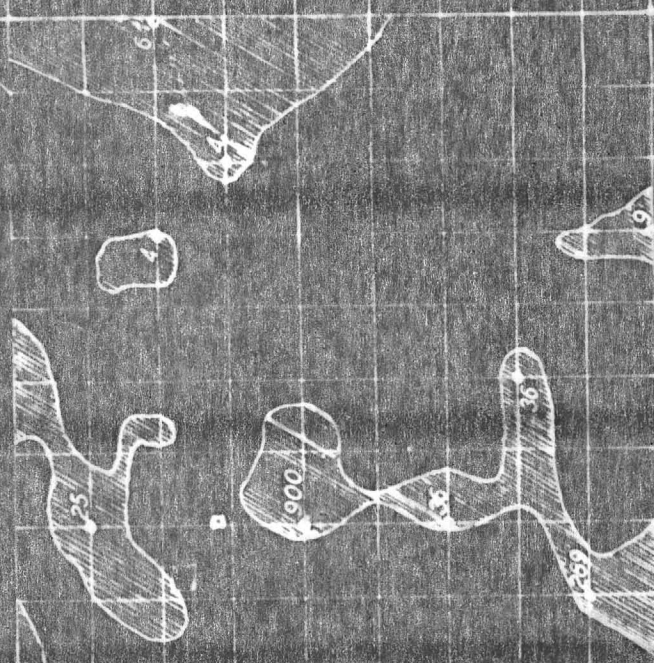
10.0000000000

10.0000000000  
10.0000000000  
10.0000000000  
10.0000000000  
10.0000000000

X  
X

20.00

# GEOPHYSICAL SURVEY OF **BRONX MINES** GILA COUNTY, ARIZ.



THIS SPACE RESERVED FOR  
 Cross section and plan of tunnel #2

SUBJECT TO TRANSIT  
 CORRECTION

Blacksmith  
 Shop

DUMP

LOWER LEVEL

PLAN VIEW

1st LEVEL

200 FT.

150 FT.

2nd Elevation

Water surface

3104  
2300 K A

April  
3 1897

*All Reports on Big Tunnels.*

IN 10000 31000

Silver

Gold

301 VERM CUR	03	5000 21403
302 VERM CUR	01	6000 21403
303 VERM CUR	03	10000 21403
304	103	0 2075 002 1000

22000 ✓

Tunnel

21/4

Creek.

still here

Gold & Copper  
not replaced

1,40 Gold. @ 2 ft  
about 12 percent silver  
9 ounces + more



STAR ROUTE MINE

# #5 WORKINGS

## 1<sup>ST</sup> LEVEL

68' OF 5'x7' DRIFT. 42' OF 10'x15' DRIFT TREND N. 20° 00' E  
25' 4" OF 6'x10' SHAFT

## LOWER LEVEL

45' OF 7'x10' DRIFT N. 20° 00' E OF SHAFT  
20' OF 7'x10' DRIFT S. 20° 00' W OF SHAFT  
12' OF 6'x10' SUMP

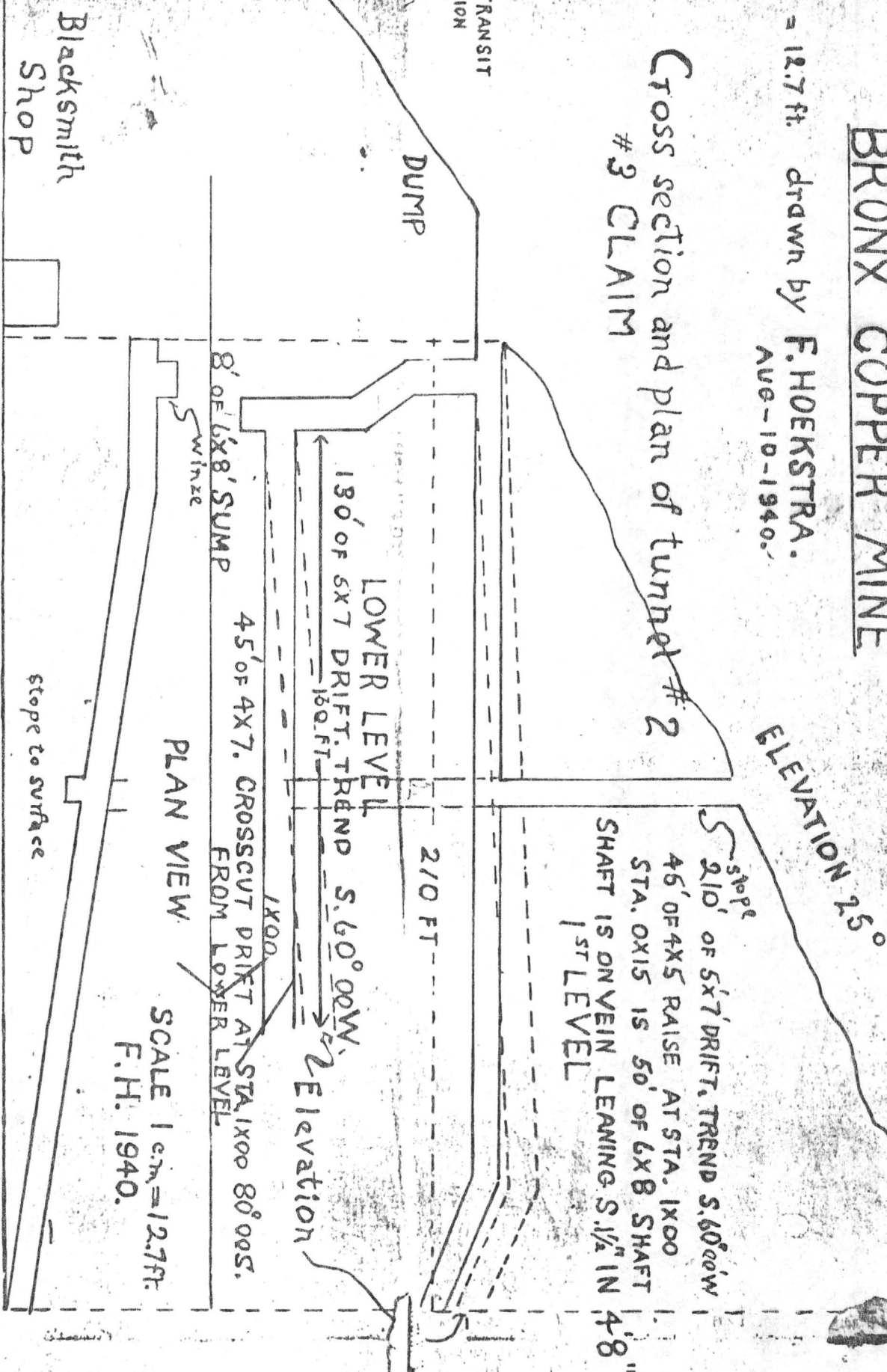


STAR ROUTE MINE

# BRONX COPPER MINE

Scale 1 cm. = 12.7 ft. drawn by F. HOEKSTRA.  
Aug-10-1940.

## Cross section and plan of tunnel #2 #3 CLAIM



## OPERATING PLAN

Date Received \_\_\_\_\_

Tonto National Forest

Globe

Ranger District

Gila

County

Summit

Mining District

This Operating Plan is submitted pursuant to 36 CFR 252 by the below-listed operator, for review and approval by the authorized officer of the Tonto National Forest.

## A. OPERATOR

Name of Operator

John V. Bustamante

Telephone No.

473-4381

Address of Operator

406 Sullivan StreetMiami, Arizona 85539

Name of Field Representative

same

(if other than Operator)

Address and phone of Field Representative \_\_\_\_\_

## B. CLAIM IDENTIFICATION

The name(s) of the claim(s) on which the operation will be conducted are:

NAME OF CLAIM TO BE WORKED <input checked="" type="checkbox"/> Lode ( ) Tunnel Site ( ) Placer ( ) Mill Site	LOCATION (Sec., Township & Range)	LOCATION DATE	Recorded	
			Docket	Page
<u>Star Route Mining Claims</u>	<u>Secs. 1 &amp; 12</u>		<u>Book</u>	<u>rp</u>
	<u>6 &amp; 7</u>		<u>50</u>	<u>179-</u>
<u>Molybdenum #1-4</u>	<u>T. 1 S.,</u>			<u>218</u>
<u>Bronx Copper #1-10</u>	<u>R. 13 &amp; 14 E</u>			
<u>Bronx Fraction</u>				
<u>Santa Rosa #1-4</u>				

C. CLAIM OWNER

The owner(s) of the above claim(s) are as follows:

John V. Bustamante  
406 Sullivan Street  
Miami, Arizona 85539 → 473-4381  
 (Name) (Address) (Phone)

The above owner has authorized this operation through (check one): ( ) lease,  
 ( ) contract, ☒ direct employment, ( ) Other (explain)

D. MAPS

Attached as Exhibit A to this Operating Plan is a map of all claims listed under item B. (a 2" = 1 mile quad map or a U.S.G.S. topographic map). An optional attachment is a sketch map showing the claim grouping, and details of the operation.

E. ACCESS

The proposed route of access is: U.S. Highway 60-70  
 (describe access from point of  
1 mile East of Sutton Summit. See  
 entry into National Forest, using road numbers when available)  
attached Map.

which consists of existing roads shown as solid lines and proposed roads shown as dashed lines in Exhibit A. (Note: Construction, reconstruction, or restoration of a road is a means of access to mining claims will be authorized separately by a special use permit.)

F. VEHICLES AND EQUIPMENT

The following vehicles and equipment listed by type and size, will be used in connection with this operation:

Type & Size of Vehicle	License or Serial No. (where known)	Location
Pickup truck		on claims
TD-14 cable dozer		

G. TYPE OF OPERATION

Describe the type and magnitude of the operation to be performed. Detailed information is required for any earth moving and site clearance operations. A separate surface disturbance map will be submitted as Exhibit B if such operations are extensive. Tie all operations to claim maps.

I. The dozer will be used on the existing road to improve it to a usable standard. An 18" culvert will be placed in a washed out drainage. The road will be smoothed, rocks removed, to make it passable.

II. Hand tools will be used to dig several small pits 2 to 3 feet deep in order to test the mineralization along a vein.



H. ENVIRONMENTAL PROTECTION MEASURES

Describe actions taken to minimize adverse environmental impacts. State plans for reclamation of disturbed areas and for erosion control, including provisions for filling excavations, grading of soil banks, blocking of access roads, reseeding, etc.

All dozer work will be done on existing roads to improve it up to standards to prevent erosion.

The hand work will not create a significant disturbance.

I. PERIOD OF OPERATION

This operation will begin on Aug 20, 1979 (a date not prior to date of approval. This operation will be completed on Aug 20, 1980 (a date not to exceed 12 months from approval date). If operations are proposed to exceed one year, an addendum to this plan should be filed. A substantially changed operation will be covered by a new Operating Plan.

J. ANTIQUITIES

The operator agrees to notify the authorizing officer of any discovery of cultural or natural history resources within the area covered by the plan. This authorization to proceed does not constitute permission so as to relieve the operator from criminal prosecution under the Antiquities Act (P.L. 59-209).

K. ENCLOSURES (list as appropriate)

1. Exhibit A - map
- 2.

Submitted by:

John H. Burdick  
Signature

8/23/79  
Date

H. ENVIRONMENTAL PROTECTION MEASURES

Describe actions taken to minimize adverse environmental impacts. State plans for reclamation of disturbed areas and for erosion control, including provisions for filling excavations, grading of soil banks, blocking of access roads, reseeding, etc.

All dozer work will be done on existing roads to improve it up to standards to prevent erosion.

The hand work will not create a significant disturbance.

I. PERIOD OF OPERATION

This operation will begin on Aug 20, 1979 (a date not prior to date of approval. This operation will be completed on Aug 20, 1980 (a date not to exceed 12 months from approval date). If operations are proposed to exceed one year, an addendum to this plan should be filed. A substantially changed operation will be covered by a new Operating Plan.

J. ANTIQUITIES

The operator agrees to notify the authorizing officer of any discovery of cultural or natural history resources within the area covered by the plan. This authorization to proceed does not constitute permission so as to relieve the operator from criminal prosecution under the Antiquities Act (P.L. 59-209).

K. ENCLOSURES (list as appropriate)

1. Exhibit A - map
- 2.

Submitted by:

John P. B. [Signature]  
Signature

8/23/79  
Date

APPROVAL

## 1. Approval of this Operating Plan:

- (a) Does not constitute recognition or certification of ownership by any person named as owner herein.
- (b) Does not constitute now or in the future recognition or certification of the validity of any mining claim to which it may relate or to the mineral character of the land on which it lies.

2. When another party asserts a title interest in the area covered by this plan, it will be the sole responsibility of the concerned parties to resolve such conflict before proceeding with claim development.

3. A bond ( ) is, ☒ is not required. This bond in the amount of \_\_\_\_\_ in the form of cash or surety is required to assure reclamation of the disturbed area.

4. Other stipulations (explain or attach).

a. All dozer operations will be conducted on previously disturbed areas.

b. The road will be improved to the standards shown on the attached sheet.

(1) No berms will be left on the road edges

(2) Water bars will be placed as required to prevent runoff from running down the road.

Proposal Evaluated by:

Mark C. Roberts  
Signature of Forest Service  
Evaluator

8-14-79  
Date

Approved by:

David M. Stewart  
Signature of Authorized  
Officer

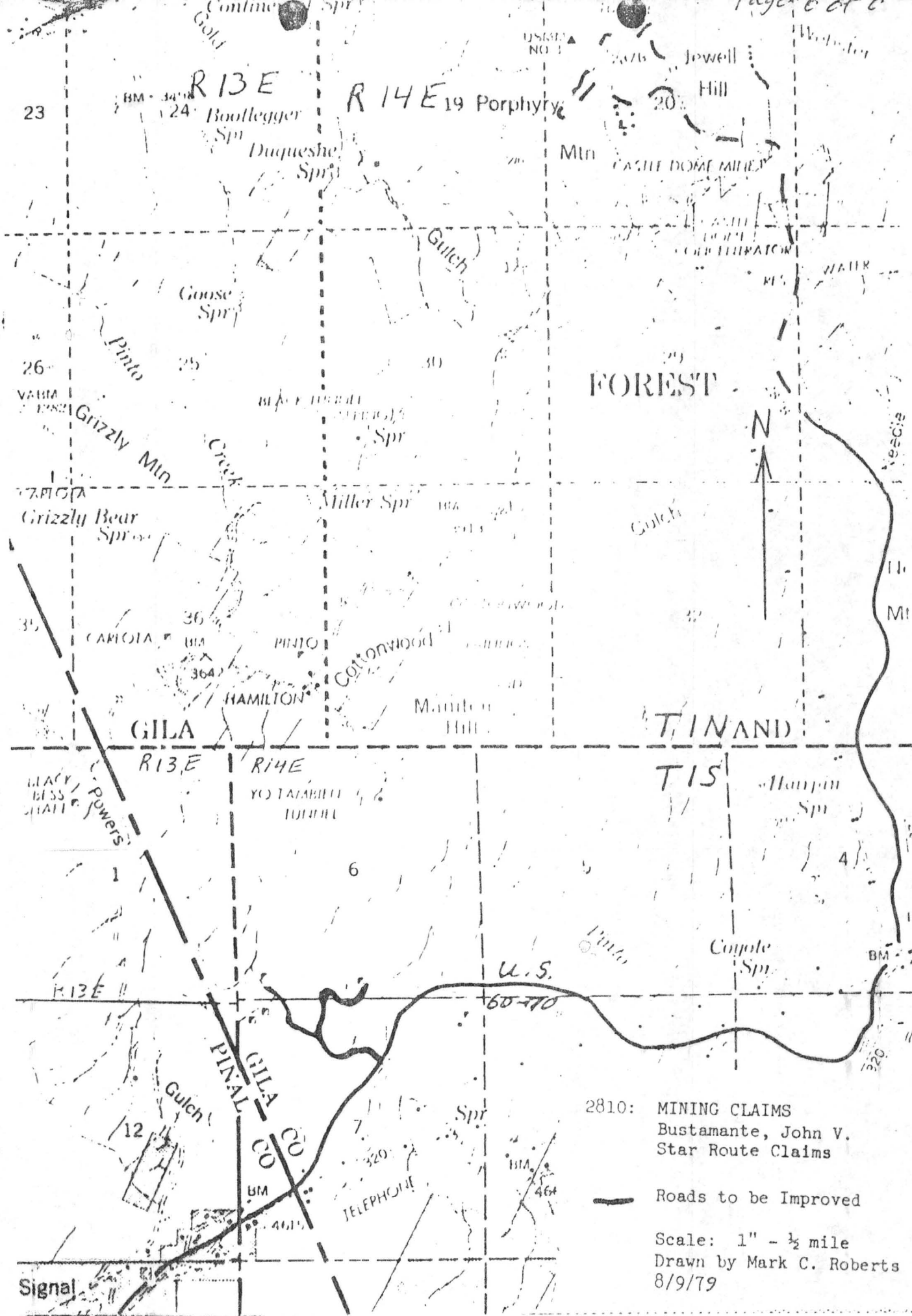
8-14-79  
Date

ACCEPTANCE OF STIPULATIONS

The stipulations and/or modifications to this plan attached hereto have been reviewed, and will be incorporated into and become a part of this Operating Plan.

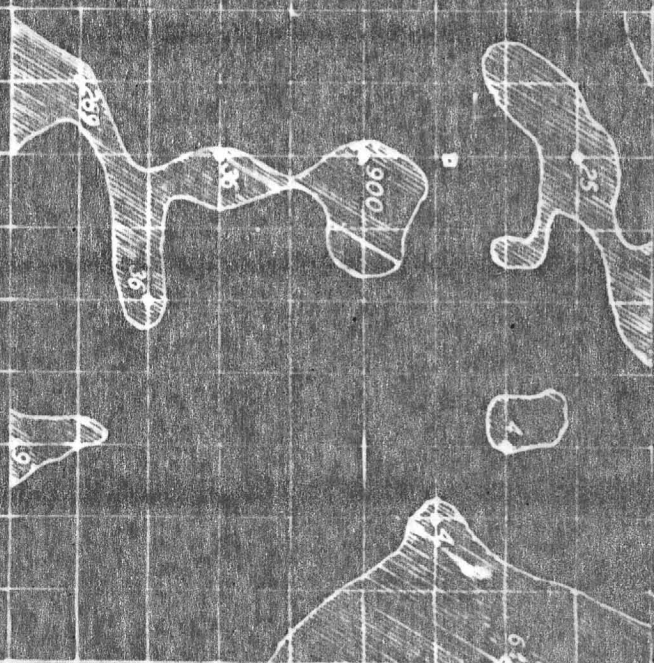
John P. Burkhardt  
Signature of Operator

8/23/79  
Date





# GEOPHYSICAL SURVEY OF BRONX MINES GILA COUNTY, ARIZ.



THIS SPACE RESERVED FOR  
CROSS SECTION AND PLAN OF TUNNEL 2

1<sup>ST</sup> LEVEL

LOWER LEVEL

200 FT.

Elevation

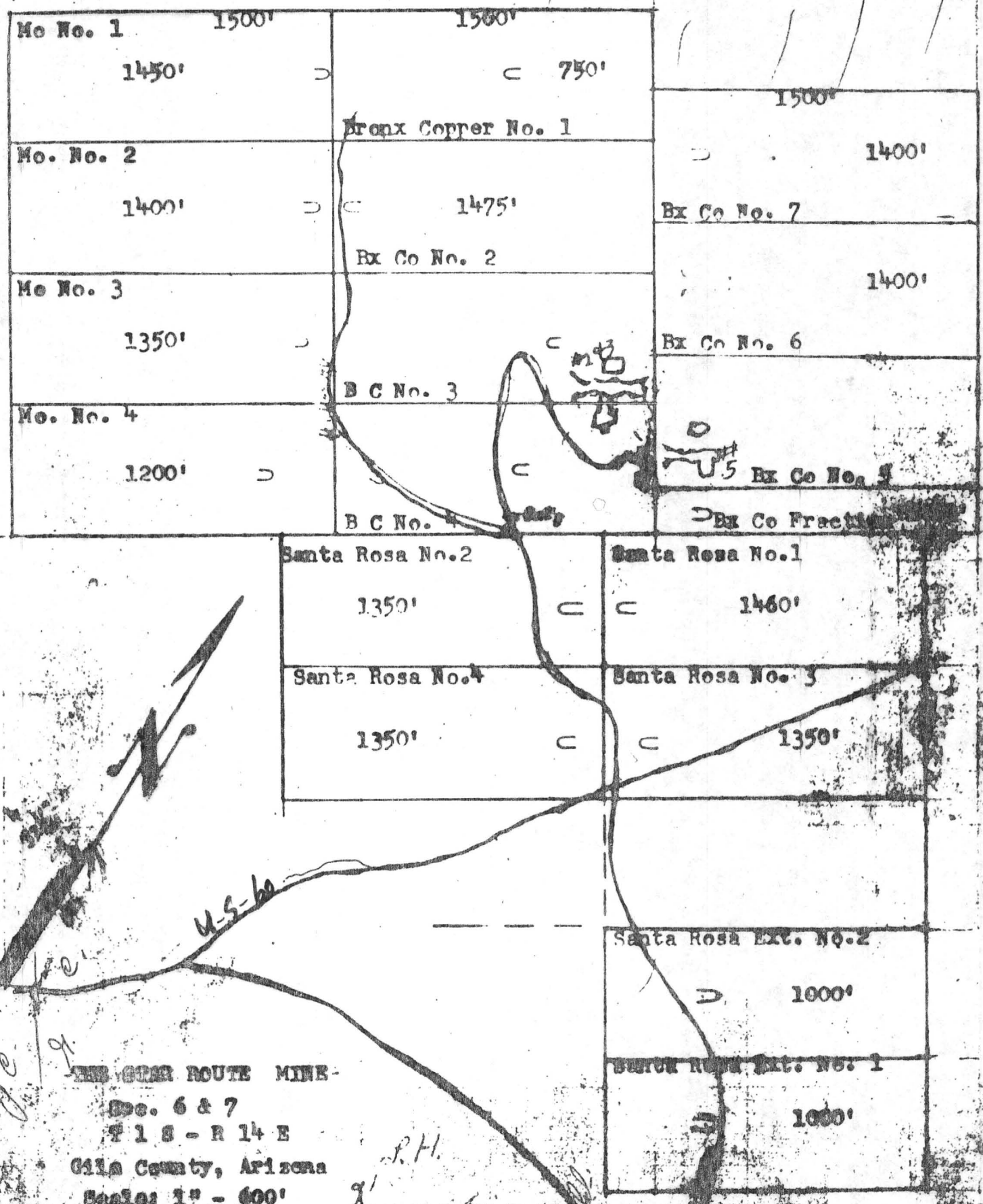
PLAN VIEW

Blacksmith Shop

SUBJECT TO TRANSIT  
CORRECTION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

*7 New Claims added  
in this Area*



**THE GAR ROUTE MINE**  
 Sec. 6 & 7  
 T 1 S - R 14 E  
 Gila County, Arizona  
 Scale: 1" = 400'

*R.H.*  
*Plined 37 2012*



COPY

The following quotations are excerpts from a report made January 27, 1941, by Mr. E. Hoekstra, E. E., a partner in the Electrical Mine Survey Company of South Pasadena, California.

"We have conducted a complete Geophysical Electrical Survey of the Bronx Copper Mine, extending over a period of many months, from June to September 1940, the results of which were very gratifying, enabling us to outline topographically a number of substantial ore-bodies.

"In November 1940, we returned and directed the sinking of a shaft, and after reaching a depth of 20 ft. we encountered a two and one-half foot vein, or ledge matter, which upon assay for molybdenum at the International Smelter & Refining Company at Miami assayed MoS<sub>2</sub> 14%, which is 280 lbs. pr. ton.

"In January 1941 we dewatered the 25 ft. shaft and took a good representative sample across the ledge, which we had assayed for copper at the Miami Copper Company at Miami. The assay showed 25% copper, which is 500 lbs. per ton."

2607  
2311 K A

30 APRIL 1961

11.00/12.00

S

C

100.

J B  
E/MS JBN # 200 21

100001 100 1000

000 1 2 1 100 1000 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 1 2 1 100 1000

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000 10.00 000 12.00

000

000

000

000

000

000

000

000

000

X Trace

X 035

X 012

X 048

X 035

X 035

X 035

X 035

X 035

X 035

01.00 10.00 # 2011 K A





2010.1.1

6 April 1997

10:00 AM

S G

	COPIES	NO.
J B # 1 Between Vols	1.00	1
J B # 2	2.00	2
J B Vols # 3	7.00	3
J B Vols # 4	30.00	4

20.00 ✓

31.4  
1003 R A

April  
3 1003 R 1007

All Reports on Big Tunnels.

MEADON SYSTEM

Silver

Gold

3-1 VERNI CUP	63	6000 H1403	007 1000
3-2 VERNI CUP	61	6000 H1403	007 1000
3-3 VERNI CUP	62	6000 H1403	007 1000
3-4	63	6000 H1403	007 1000

23.00

Tunnel

20/4

Creek.

still here

Gold & Copper  
not replaced

1,40 Gold. @ 2 ft  
about 12 percent silver  
9 ounces + more.

STAR ROUTE MINE

# #5 WORKINGS

## 1<sup>ST</sup> LEVEL

68' OF 5'x7' DRIFT. 42' OF 10'x15' DRIFT TREND N. 20°00'E  
25'4" OF 6'x10' SHAFT

## LOWER LEVEL

45' OF 7'x10' DRIFT N. 20°00'E OF SHAFT  
20' OF 7'x10' DRIFT S. 20°00'W OF SHAFT  
12' OF 6'x10' SUMP

STAR ROUTE MINE

# BRONX COPPER MINE

Scale 1 cm = 12.7 ft. drawn by F. HOEKSTRA.  
Aug-10-1940.

ELEVATION 25°

## Cross section and plan of tunnel #2 #3 CLAIM

SUBJECT TO TRANSIT  
CORRECTION

DECLINATION

14°

DUMP

Blacksmith  
Shop

8' OF 6X8' SUMP

Winze

45' OF 4X7. CROSSCUT DRIFT AT STA. 1000 80° 00'S.

FROM LOWER LEVEL

LOWER LEVEL

130' OF 5X7 DRIFT. TREND S. 60° 00' W.

180 FT.

Elevation

210 FT

PLAN VIEW

SCALE 1 cm = 12.7 ft.  
F.H. 1940.

stope to surface

210' OF 5X7' DRIFT. TREND S. 60° 00' W.  
45' OF 4X5 RAISE AT STA. 1000  
STA. 0X15 IS 50' OF 6X8 SHAFT  
SHAFT IS ON VEIN LEANING S. 1/2" IN 4' 8"  
1<sup>ST</sup> LEVEL



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES

Southwest Experiment Station

P. O. Box 4097  
Tucson 5, Arizona

January 14, 1959

Mr. L. Chidley  
Box 52  
Superior, Arizona

RADIOACTIVE SAMPLE REPORT

Sample Reference No.: UP-5031

Name and Location of Property: Vicinity of Superior  
County of Gila, Arizona.

Nature and Analysis of Sample: Radiometric analysis of your sample indicates it contains 1.34 percent U3O8. The uranium and its decay elements are not in equilibrium.

Microscopic examination reveals that your sample is composed of quartz, chalcophyrite, malachite, azurite, limonite, pyrite, feldspar, chrysocolla, metatorbernite and uraninite.

REMARKS:

Possible buyers of high-grade uranium specimens are as follows:

S. W. Shattuck Company, Denver, Colorado

Ward's Natural Science Establishment, Inc.,  
3000 Ridge Road East  
Rochester 9, New York

(Signed) Lamar G. Evans

Lamar G. Evans  
Extractive Metallurgist

University of Arizona  
Tucson

February 7, 1951

Mr. L. Chidley  
11236 E. Dodson St.  
El Monte, California

Dear Mr. Chidley:

Replying to your letter of February 2, we find very little in our files on the Bronx Copper Company.

A brief description of the property in 1928 appears as follows:

"Veins, Schultz granite. Contact with Pinal schist about a mile west of the main workings. Some of the veins are about on the contact. Pegmatite and aplite occur. Veins strike NE and dip SE; carry pyrite, chalcopyrite, and molybdenite. 1/8 flakes of muscovite seem to be common hydrothermal alteration product. Little fluorite. Veins ranging from 0" to a few feet in width."







"We have no production data on this property."

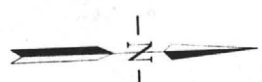
Yours very truly

SIGNED: J. W. Anthony  
Mineralogist



STAR ROUTE

-  Westmont Mining Inc. Owned Claims
-  Magma Copper Co. Leased to Westmont 3/90
-  Area of Joint Operation with Magma
-  Sherwood Owens Leased to Westmont
-  Westmont Mining Inc. Cyprus Purchase
-  Magma Copper Co. Leased to Westmont 6/91



SCALE IN FEET  
500 250 0 500 1000

**WESTMONT**  
MINING INC.  
Gila County, Arizona  
Carolina Project  
Claim Map

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES

Southwest Experiment Station

P. O. Box 4097  
Tucson 5, Arizona

January 14, 1959

Mr. L. Chidley  
Box 52  
Superior, Arizona

RADIOACTIVE SAMPLE REPORT

Sample Reference No.: UP-5031

Name and Location of Property: Vicinity of Superior  
County of Gila, Arizona.

Nature and Analysis of Sample: Radiometric analysis of your sample indicates it contains 1.34 percent  $U^{238}$ . The uranium and its decay elements are not in equilibrium.

Microscopic examination reveals that your sample is composed of quartz, chalcopryrite, malachite, azurite, limonite, pyrite, feldspar, chrysocolla, metatorbernite and uraninite.

REMARKS:

Possible buyers of high-grade uranium specimens are as follows:

S. W. Shattuck Company, Denver, Colorado

Ward's Natural Science Establishment, Inc.,  
3000 Ridge Road East  
Rochester 9, New York

(Signed) Lamar G. Evans

Lamar G. Evans  
Extractive Metallurgist



# APPENDIX A

## CLAIMS OWNED BY CARLOTA COPPER COMPANY

Unpatented mining claims situated in Sections 25, 26, 35, and 36,  
Township 1 North, Range 13 East, G&SRB&M,  
Globe-Miami Mining District, Gila and Pinal Counties, Arizona

### CLAIM NAMES AND NUMBERS

<u>Name</u>	<u>Date Located</u>	<u>Date Recorded</u>	<u>County Recordation Docket</u>	<u>Page</u>	<u>Date Filed w/BLM</u>	<u>BLM AMC Serial No.</u>
Grizzly #1	7/18/89	7/24/89	774	120	9/1/89	298647
Amended		11/22/89	785	119	12/13/89	
Grizzly #2	7/18/89	7/24/89	774	123	9/1/89	298648
Amended		11/22/89	785	119	12/13/89	
Grizzly #3	7/18/89	7/24/89	774	126	9/1/89	298649
Amended		11/22/89	785	119	12/13/89	
Grizzly #4	7/18/89	7/24/89	774	129	9/1/89	298650
Amended		11/22/89	785	119	12/13/89	
Grizzly #5	7/18/89	7/24/89	774	132	9/1/89	298651
Amended		11/22/89	785	119	12/13/89	
Grizzly #6	7/18/89	7/24/89	774	135	9/1/89	298652
Amended		11/22/89	785	119	12/13/89	
Grizzly #7	7/18/89	7/24/89	774	138	9/1/89	298653
Amended		11/22/89	785	119	12/13/89	
Grizzly #8	7/18/89	7/24/89	774	141	9/1/89	298654
Amended		11/22/89	785	119	12/13/89	
Grizzly #9	7/18/89	7/24/89	774	144	9/1/89	298655
Amended		11/22/89	785	119	12/13/89	
Grizzly #10	7/18/89	7/24/89	774	147	9/1/89	298656
Amended		11/22/89	785	119	12/13/89	
Grizzly #11	7/18/89	7/24/89	774	150	9/1/89	298657
Amended		11/22/89	785	119	12/13/89	
Grizzly #12	7/18/89	7/24/89	774	153	9/1/89	298658
Amended		11/22/89	785	119	12/13/89	
Grizzly #13	7/18/89	7/24/89	774	156	9/1/89	298659
Amended		11/22/89	785	119	12/13/89	
Grizzly #14	7/18/89	7/24/89	774	159	9/1/89	298660
Amended		11/22/89	785	119	12/13/89	

Claims owned by Carlota Copper Company (continued):

Unpatented Mining Claims located in the Pinto Creek (Miami) Mining District,  
in Sections 26, 27, 33, 34, 35, and 36, T1N, R13E,  
and Sections 1, 2, 3, 4, 11, and 12, T1S, R13E G&SRB&M,  
Gila and Pinal Counties, Arizona

Claim Name	Original Loc. Date	County	Original Recordation		Amended Recordation		BLM AMC Serial No.
			Book	Page	Book	Page	
Tip Top	3/2/29	Pinal	45	142	648	830	52265
Tip Top #1	8/1/30	Pinal	46	275			52266
Tip Top 2	3/2/29	Pinal	45	144	648	831	52267
Tip Top 3	3/10/29	Pinal	45	145	48	832	52268
Tip Top #4	8/1/30	Pinal	46	301			52269
Eder #10	4/21/69	Pinal	569	819			52270
Eder #11	4/21/69	Pinal	569	820			52271
Eder #12	4/21/69	Pinal	569	821			52272
Eder #13	4/25/69	Pinal	569	818			52273
Eder 14	9/27/71	Pinal	645	51			52274
		Gila	308	309			52275
Eder 15	9/27/71	Pinal	645	52			
		Gila	308	310			52276
Eder 16	9/27/71	Pinal	645	53	721	95	
		Gila	308	311	348	10	52277
Eder 17	9/27/71	Pinal	645	54	721	96	
		Gila	308	312	348	9	52278
Eder 18	9/27/71	Pinal	710	228			
		Gila	308	313			52279
Eder 19	9/27/71	Pinal	710	229	721	715	
		Gila	308	314	348	275	52280
Eder 22	9/27/71	Pinal	645	56			
		Gila	308	317			52281
Eder #23	1/4/73	Pinal	691	416			52282
Eder 27	9/11/73	Pinal	720	440			52283
Eder 31	6/12/73	Pinal	710	923			52284
Eder 32	6/12/73	Pinal	710	924			52285
Eder 34	6/14/73	Pinal	710	926			52286
Eder 35	6/14/73	Pinal	710	927			52287
Eder 36	6/14/73	Pinal	710	928			52288
Eder 38	6/13/73	Pinal	710	930			52289
Eder 39	6/13/73	Pinal	710	931			52290
Eder 40	6/14/73	Pinal	710	932			52291
Eder 42	6/13/73	Pinal	710	934			52292
Eder 43	6/13/73	Pinal	710	935			52293
Eder 44	6/14/73	Pinal	710	936			52294
Eder 45	6/13/73	Pinal	710	937			52295
Eder 46	6/13/73	Pinal	710	938			52296
Eder 47	6/13/73	Pinal	710	939			

Claims owned by Carlota Copper Company (continued):

Claim Name	Original Loc. Date	County	Original Recordation		Amended Recordation		BLM AMC Serial No.
			Book	Page	Book	Page	
Eder 48	6/13/73	Pinal	710	940	721	97	52297
Eder 49	6/12/73	Pinal	710	941			52298
Eder 50	6/12/73	Pinal	710	942			52299
Eder 51	6/12/73	Pinal	710	943			52300
Eder 52	6/12/73	Pinal	710	944			52301
Eder 53	6/12/73	Pinal	710	945			52302
Eder 54	6/13/73	Pinal	710	946			52303
		Gila	341	802			
Eder 55	6/13/73	Pinal	710	947			52304
		Gila	341	803			
Eder 56	6/13/73	Pinal	710	948			52305
		Gila	341	804			
Eder 57	6/12/73	Pinal	710	949	721	98	52306
		Gila	341	805	348	8	
Eder 59	6/14/73	Pinal	710	951			52307
		Gila	341	807			
Eder 62	9/7/73	Pinal	721	716			52308
Eder 63	9/7/73	Pinal	721	717			52309
		Gila	348	276			
Eder 64	9/7/73	Pinal	721	718			52310
		Gila	348	277			
Eder 65	9/7/73	Pinal	721	719			52311
		Gila	348	278			
Eder 66	9/7/73	Pinal	721	720			52312
		Gila	348	279			
Eder 67	9/7/73	Pinal	721	721			52313
		Gila	348	280			
Eder 68	9/7/73	Pinal	721	722			52314
		Gila	348	281			
Eder 69	9/7/73	Pinal	721	723			52315
		Gila	348	282			
Eder 70	9/24/73	Gila	348	283			52316
Ghost 16	12/29/66	Pinal	497	450			52317
Ghost 27	3/10/64	Pinal	387	137			52318
Ghost 28	5/18/64	Pinal	387	138			52319
Ghost 29	3/10/64	Pinal	387	139			52320
Ghost 30	5/18/64	Pinal	387	140			52321
Ghost 31	3/10/64	Pinal	387	141			52322
Ghost 32	12/29/66	Pinal	497	451			52323
Ghost 33	3/10/64	Pinal	387	142			52324
Ghost 34	5/4/64	Pinal	387	143			52325
Ghost 38	12/29/66	Pinal	497	452			52326
Ghost 40	12/29/66	Pinal	497	453			52327
Ghost 48	12/29/66	Pinal	497	455			52329
Ghost 50	12/29/66	Pinal	497	456			52330

Claims owned by Carlota Copper Company (continued):

Claim Name	Original		Original Recordation		Amended Recordation		BLM AMC
	Loc. Date	County	Book	Page	Book	Page	Serial No.
							52331
							52332
							52333
							52328
							52334
							52335
							52336
							52337
							52338
							52339
							52340
							52341
							52342
							52343
							52344
							52345
							52346
							52347
							52348
							52349
							52350
							52351
							52352
							52353
							52354
							52355
							52356
							52357
							52358
							52359
							52360
							52361
							52362
							52363
							52364
							52365
							52366
							52367
							52368
							52369
							52370
							52371
Ghost 61	3/12/64	Pinal	387	165			
Ghost 62	3/12/64	Pinal	387	166			
Ghost 63	3/12/64	Pinal	387	167			
Ghost 42	12/29/66	Pinal	497	454			
Ghost 64	3/12/64	Pinal	387	168			
Ghost 65	3/12/64	Pinal	387	169			
Ghost 66	3/12/64	Pinal	387	170			
Ghost 90	12/29/66	Pinal	497	457			
Ghost 91	12/29/66	Pinal	497	458			
Ghost 92	12/29/66	Pinal	497	459			
Ghost 93	3/16/64	Pinal	387	194			
Ghost 94	4/17/69	Pinal	569	798			
Ghost 95	3/16/64	Pinal	387	195			
Ghost 96	4/17/69	Pinal	569	799			
Ghost 97	4/17/69	Pinal	387	196			
Ghost 98	3/16/64	Pinal	569	800			
Ghost 99	4/17/69	Pinal	387	197			
Ghost 100	3/16/64	Pinal	569	801			
Ghost 101	4/17/69	Pinal	387	198			
Ghost 102	3/16/64	Pinal	569	802			
Ghost 104	4/17/69	Pinal	569	803			
Ghost 106	4/17/69	Pinal	569	804			
Ghost 108	4/17/69	Pinal	569	805			
Ghost 110	4/17/69	Pinal	569	806			
Ghost 112	4/17/69	Pinal	569	807			
Ghost 114	4/17/69	Pinal	569	808			
Ghost 116	4/17/69	Pinal	569	809			
Ghost 118	4/17/69	Pinal	569	810			
Ghost 121	4/17/69	Pinal	569	811			
Ghost 122	4/17/69	Pinal	569	812			
Ghost 123	4/17/69	Pinal	569	813			
Ghost 124	4/17/69	Pinal	569	814			
Ghost 125	4/17/69	Pinal	569	815			
Ghost 126	4/17/69	Pinal	569	816			
Ghost 127	4/17/69	Pinal	569	817			
Ghost 131	9/23/65	Pinal	429	515			
Ghost 132	9/23/65	Pinal	429	516			
Ghost 133	9/23/65	Pinal	429	517			
Ghost 134	9/23/65	Pinal	429	518			
Ghost 135	9/23/65	Pinal	429	519			
Ghost 136	9/23/65	Pinal	429	520			
Ghost 137	9/23/65	Pinal	429	521			



Claims owned by Carlota Copper Company (continued):

Claim Name	Original Loc. Date	County	Original Recordation		Amended Recordation		BLM AMC Serial No.
			Book	Page	Book	Page	
Ghost 140	4/15/64	Pinal	387	209			52372
Ghost 141	4/15/64	Pinal	387	210			52373
Ghost 142	4/15/64	Pinal	387	211			52374
Ghost 143	4/15/64	Pinal	387	212			52375
Ghost 144	4/15/64	Pinal	387	213			52376
Rim Rock	12/15/15	Pinal			648	821	52377
		Gila	29	282			
Rim Rock 1	9/25/21	Pinal			648	822	52378
		Gila	36	230			
Rim Rock 2	9/25/21	Pinal			648	823	52379
		Gila	36	231			
Rim Rock 3	1/5/22	Pinal			648	824	52380
		Gila	36	370			
Rim Rock 4	7/16/22	Pinal			716	575	52381
		Gila	37	179			
Rim Rock #5	8/1/30	Pinal	46	304	721	93	52382
Annex #5	8/1/30	Pinal	46	305	721	92	52383
Annex 6	8/1/30	Pinal	46	306	648	818	52384
Annex 7	8/1/30	Pinal	46	306	721	94	52385
Cap 130	7/24/30	Pinal	46	311			52386
Cap 131	7/25/30	Pinal	46	311			52387
"Moon Rise"	2/15/1899	Gila	6	401			52388
Promoter	11/14/29	Gila	44	5	348	7	52389
Stars and Stripes	1/2/02	Gila	7	466	308	307	52390
Providence	7/1/28	Gila	40	444	309	649	52391
Sixty Four		Pinal	716	573			52392
Extension	1/1/12	Gila	22	356			
Eder 71	11/24/87	Gila	726	416			279919
Eder 72	11/24/87	Gila	726	419			279920
Eder 73	11/24/87	Gila	726	422			279921
		Pinal	1497	441			
Eder 74	11/24/87	Pinal	1497	443			279922
Eder 75	11/24/87	Pinal	1497	445			279923
Eder 76	11/24/87	Pinal	1497	447			279924

CLAIMS OWNED BY SHERWOOD B. OWENS, P.O. BOX 769, TUCSON, AZ 85702 AND UNDER LEASE  
BY CARLOTA COPPER COMPANY

Unpatented Mining Claims located in the Pinto Creek (Miami) Mining District,  
in Section 36, T1N, R13E, G&SRB&M, Gila County, Arizona

<u>Name</u>	<u>Location Date</u>	<u>County Recordation Book</u>	<u>Page</u>	<u>BLM AMC Serial No.</u>
Brewery	3/12/1892	4	145	39932
Clipper	1/20/1906	11	286	39933
Old Abe	9/1/39	48	70	39934
Thomas Jefferson	9/1/39	48	71	39935
Blue Jay Fraction	11/21/42	48	357	39936
Vat	11/25/59	112	344	39937
Lost Knife #1	5/23/59	100	416	39938
Amended	3/17/68	230	418	
Lost Knife #2	10/28/59	108	133	39939
Amended	3/17/68	230	415	
Manganese Cap	5/06/65	176	507	39940
Amended	3/17/68	230	419	
Galena	5/06/65	176	508	39941
Amended	3/17/68	230	416	
Dew	6/1/68	237	635	39942
Lad	6/1/68	237	636	39943

**CLAIMS OWNED BY MAGMA COPPER COMPANY, P.O. BOX 100, MIAMI, AZ 85530 AND UNDER LEASE  
BY CARLOTA COPPER COMPANY**

Unpatented Mining Claims located in the Pinto Creek (Miami) Mining District,  
in Section 36, T1N, R13E, G&SRB&M, Gila County, Arizona

<u>Claim Name</u>	<u>Location Date</u>	<u>Recordation Book Page</u>	<u>County BLM AMC Serial No.</u>
Overside	6/17/59	102 43	27989
Crown Point Ext. No. 1	6/17/59	102 37	27990
Crown Point Ext. No. 2	6/17/59	102 38	27991
Old Abe	6/17/59	102 39	27992
Old Abe No. 1	6/17/59	102 41	27993

Unpatented mining claims situated in  
Section 36, Township 1 North, Range 13 East;  
Section 31, Township 1 North, Range 14 East;  
Section 1, Township 1 South, Range 13 East;  
and Section 6, Township 1 South, Range 14 East,  
Gila and Salt River Meridian, Gila County, Arizona

<u>Claim Name</u>	<u>Recorded Book/Docket</u>	<u>Page</u>	<u>BLM Serial No.</u>
Lizard No. 27 (West ½) <sup>1</sup>	47	348	AMC 28018
Rejected No. 1	31	415	AMC 28020
Rejected No. 2	31	416	AMC 28019
Rejected No. 2 Amended	52	374	
Rejected No. 3	53	184	AMC 28016
Rejected No. 4	493	569	AMC 97634
Rejected No. 5	493	571	AMC 97635
Rejected No. 6	493	573	AMC 97636
Rejected No. 7	493	575	AMC 97637
Rejected No. 8	493	577	AMC 97638
Rejected No. 9	493	579	AMC 97639
Rejected No. 10	493	581	AMC 97640
Rejected No. 11	493	583	AMC 97641
Rejected No. 12	493	585	AMC 97642
Rejected No. 13	493	587	AMC 97643

<sup>1</sup> The west one-half of the Lizard No. 27 is defined as being the portion of said claim that lies north and west of a line equal distance from the respective end lines of the claim and parallel with said end lines.

Claims owned by Magma Copper Company and leased by Carlota Copper Company  
(continued):

Patented Mining Claims located in the Pinto Creek (Miami) Mining District,  
in Section 36, T1N, R13E, G&SRB&M, Gila County, Arizona

<u>Claim Name</u>	<u>Mineral Survey No.</u>	<u>Patent No.</u>
Lucky Charlie	2525	81193
Charlie No. 2	2525	81193
Red Wing	2676	167985
Alto	2676	167985
Pinto	2690	190563
Crown Point No. 1	2840	282165
Crown Point No. 5	2840	282165
Crown Point No. 6	2840	282165
Crown Point No. 8	2840	282165

Patented mining claims and fee property situated in  
Section 36, Township 1 North, Range 13 East;  
Section 31, Township 1 North, Range 14 East;  
Section 1, Township 1 South, Range 13 East;  
and Section 6, Township 1 South, Range 14 East,  
Gila and Salt River Meridian, Gila County, Arizona

#### Patented Claims and Fee Property

<u>Claim Name</u>	<u>Mineral Survey No.</u>	<u>Patent No.</u>
Lost Coon	2667	282164
Wedge	2667	282164
Monroe Doctrine	2667	282164
Dan and Mac	2667	282164
Hal and Al	2667	282164
Greater Republic	2667	282164
Buick	3839	937557
Clare	3839	937557
Pine Tree	2667	282164
White Horse	2676	167985
Hobo	2676	167985



Claims owned by Magma Copper Company and leased by Carlota Copper Company  
(continued):

All of those portions of the following listed patented claims and patented Tract No. 40 (Patent No. 02-72-0067) situated south and west of a straight line between the northwest corner of the Lizard No. 27 unpatented claim (previously described) and the northeast corner of the Alto patented claim (Mineral Survey No. 2676, Patent No. 167985):

<u>Claim Name</u>	<u>Mineral Survey No.</u>	<u>Patent No.</u>
Virginia	2667	282164
Wonder	2667	282164
Tarmon	3836	934869