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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WREN

ALTERNATE NAMES:

PATENTED CLAIMS MS 3132

YAVAPAI COUNTY MILS NUMBER: 373

LOCATION: TOWNSHIP 8 N RANGE 3 W SECTION 10 QUARTER E2  
LATITUDE: N 34DEG 03MIN 05SEC LONGITUDE: W 112DEG 33MIN 11SEC  
TOPO MAP NAME: MORGAN BUTTE - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER OXIDE  
COPPER SULFIDE  
SILVER  
GOLD  
SILICON

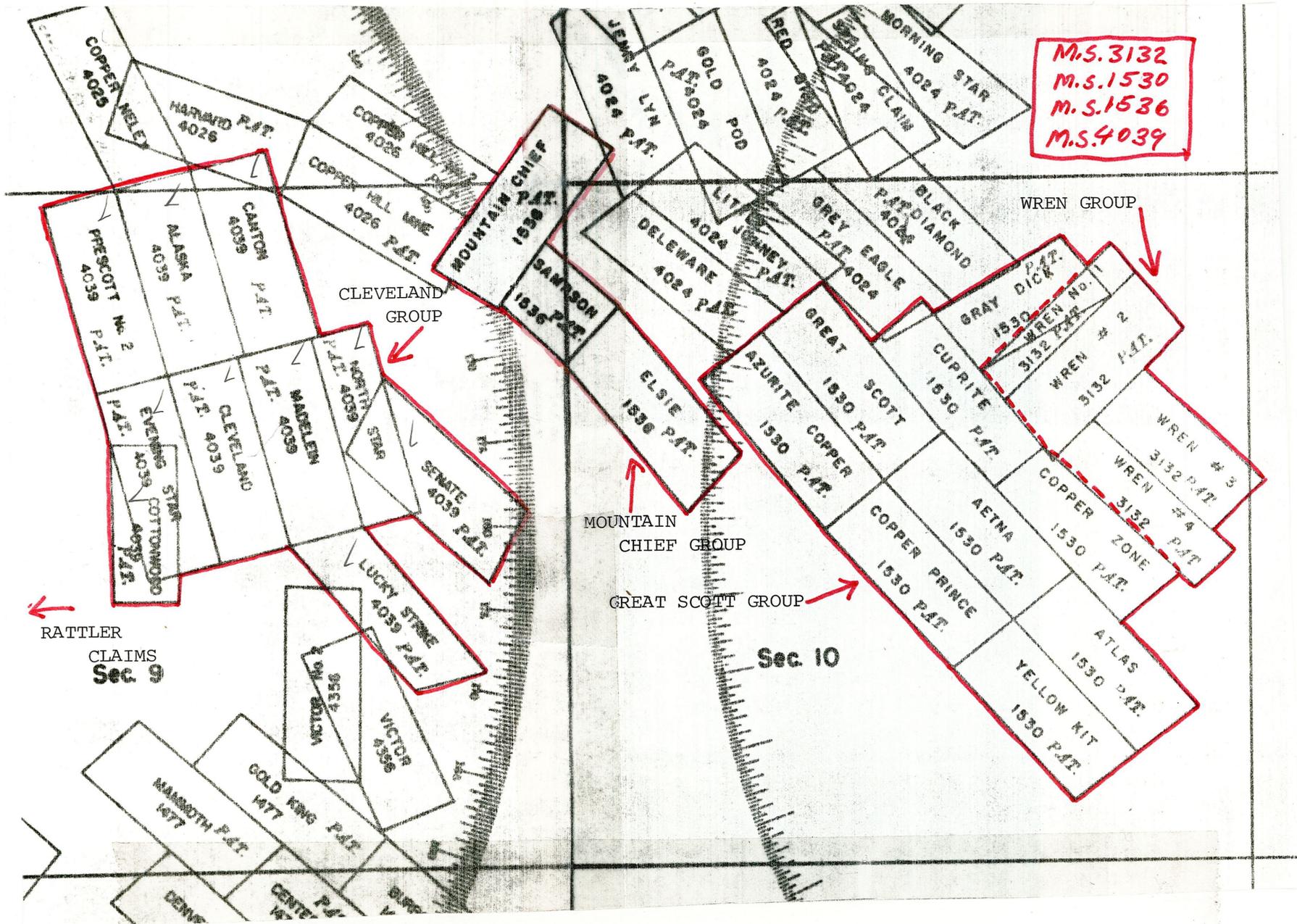
BIBLIOGRAPHY:

BLM MINING DISTRICT SHEET 255  
ADMMR WREN MINE FILE



MAP OF PATENTED CLAIM GROUPS WITHIN THE ZAHAV ENTERPRISES PROPERTY  
in Portions of Sections 3,4,9 & 10 T.8N., R.3W. GSRB&M

BLACK ROCK - BLUE TANKS MINING DISTRICT ARIZONA



## ARIZONA COPPER BELT MINING COMPANY

The Arizona Copper Belt Mining Company, whose property is a short distance northwest of Constellation, was formed in 1906.<sup>89</sup> The U. S. Mineral Resources state that it made a small production of gold-bearing copper ore in 1912. During the past few years, attempts have been made to develop gold ore on the property. A 25-ton Gibson plant, equipped with a rod mill, amalgamator, table, and flotation unit, was nearing completion in March, 1934, when operations were suspended.

The older openings include two shafts, reported to be 250 and 300 feet deep, together with several hundred feet of workings. At the time visited, one of these shafts was caved, and the other was full of water to the 100-foot level. More recent openings include a 200-foot inclined shaft with a few hundred feet of drifts. At this shaft, a vein in fine-grained, sheeted granite strikes S. 65° W., dips 45° N., and ranges in thickness from less than one foot to about 6 feet. Its filling consists typically of brecciated massive gray quartz, cemented with yellowish limonite.

## WHITE PICACHO DISTRICT

## GOLDEN SLIPPER MINE

The Golden Slipper property of seven claims, in the Wickenburg Mountains or White Picacho district of Southern Yavapai County, is accessible by one mile of road which branches north from the Castle Hot Springs Highway at a point 10 miles from Morristown.

This deposit was discovered many years ago but has been worked only intermittently and in a small way. According to data kindly supplied by P. C. Benedict, the known record of production within the last few years prior to March 15, 1934, is as follows:

Tons of Ore	Gross Value
0.5 approx.	\$5,000 )
30.0	600 )
30.0	1,000 ) With gold at \$20.67 per ounce
30.0	600 )
30.0	315 )
38.0	430 )
100.0	2,000 )
50.0	1,750 ) With gold at \$25 to \$35 per ounce
50.0	3,300 )

The mine is on a hilly pediment of platy to schistose rhyolite whose fracturing strikes northwestward and dips almost vertically. Detailed mapping by P. C. Benedict shows that the ore so far found is associated with a southeastward-trending syncline. The vein occurs within a brecciated fault zone that strikes southeastward and dips 20° or more NE. Its filling consists of brec-

<sup>89</sup> Weed, W. H., The Copper Handbook, vol. 11, p. 72, 1912-1913.

## KEYSTONE MINES CONSOLIDATED.

The Keystone Mines Consolidated consists of two groups, namely, the Keystone, situated in the Blue Tank district comprised of 15 claims, and the Great Scott property, consisting of 9 patented claims, situated in the Black Rock district.

These two groups are known as the Keystone Mines Consolidated, situated 12 and 15 miles, respectively, from the town of Wickenburg.

The Great Scott group is developed almost to the producing point, the development consists of 600 feet of vertical working shaft and about 700 feet of drifts, cross-cuts, etc. The ledge is as far as known at present not less than 200 feet wide, and how much wider we have never ascertained, not having cut to the walls.

The amount of ore in sight is variously estimated at from 400,000 to 700,000 tons on the first, or, 100-foot level now exposed by the above mentioned workings, with five times as much to be exposed by extending drifts and cross-cuts.

The property has recently been thoroughly sampled and assayed, giving an average value of \$11.34 in copper and gold per ton.

The ores are of a high concentrating character, which, according to a test made in Denver, Colo., will concentrate 10 into 1.

It is proposed now in the immediate future to put on a 500-ton concentrating plant, for the working of these upper level ores, while the above mentioned shaft is being pushed down to water level, where very large bodies of high grade ores are expected to be reached.

This property is already equipped with sufficient machinery to complete developments in the form of hoists, air compressor, etc.

The Keystone group in the Blue Tank district is being rapidly developed with almost positive assurance of success, as the Uncle Sam on the northwest end of the ledge has

opened up a 100-foot ledge of high grade ore, and both the properties will be producing at an early date.

## GIPSY AND ECLIPSE.

These 2 claims are owned by Messrs. Murphy and Cochran, and are a continuation of the great Mahoney vein, in an easterly direction.

The workings consist of a shaft 75 feet deep and a tunnel 80 feet long. Assays from the shaft give \$13.00 in gold.

## BLACK ROCK MINING CO.

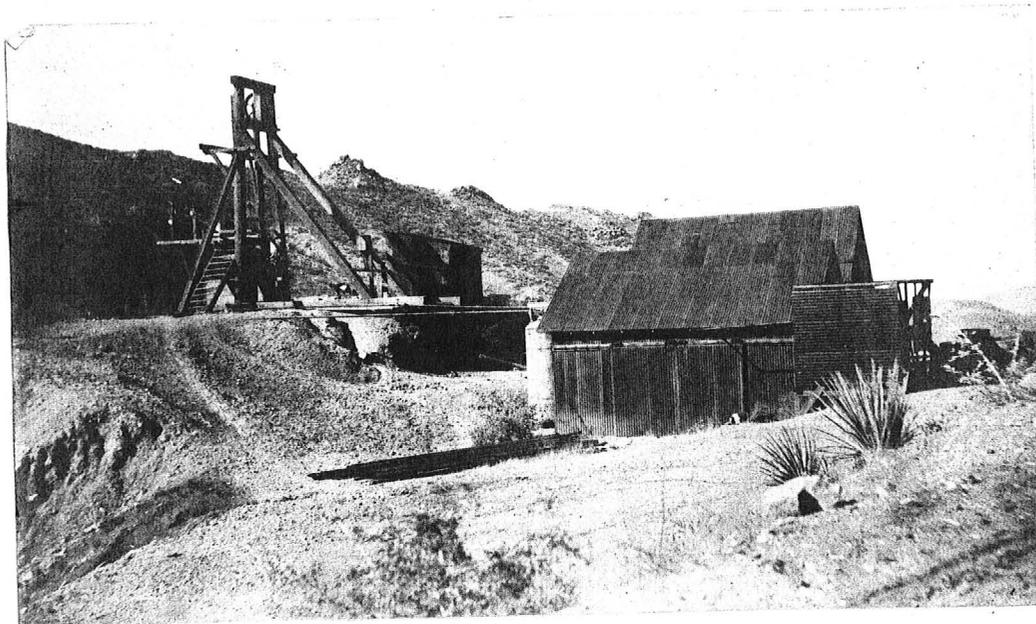
The Black Rock Co.'s property is a group of ten lode mining claims, named as follows: Olympia, Gold Bug, Mercury, Hobson's Choice, Cacti, Wisconsin, Rosalynd, Georgia, Rosalynd Extension and Brooklyn. On the Olympia, at a depth of 170 feet a tunnel was driven to the vein from Slim Jim creek, and a drift 200 feet long was made along one side of the vein. In this drift 170 feet below the surface a winze was sunk on the vein to a depth of 40 feet, which made a depth below the surface of 210 feet. The vein had here increased to a width of 60 inches with a pay streak of 30 inches, and assay values ranging from \$10.00 to \$618.00 per ton in gold.

A mill run which was made at the office of the Amalgamated Smelting & Refining Co., at Prescott, showed that the entire vein, including the quartz and the mineral zone, showed a value of \$27.00 in gold.

The ores which were oxidized at the surface gave way at a depth of 190 feet to a permanent sulphide containing lead.

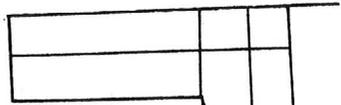
The Gold Bug and Extension are located on the same vein as the Olympia. The Rosalynd vein has been explored to a depth of 80 feet, and is a true fissure gold quartz vein, 4 feet wide at bottom of shaft.

The Brooklyn has been explored to a depth of 40 feet, is 3 feet wide. Assay values, \$45.00 per ton in gold.



Keystone Consolidated Mining Co.,  
Great Scott Group

Gallows frame-Engine house,  
blacksmith shop, etc.



Black Rock

O'Brien

Uncle Sam  
Sullivan Group

Profusion Group

McFarlane Group

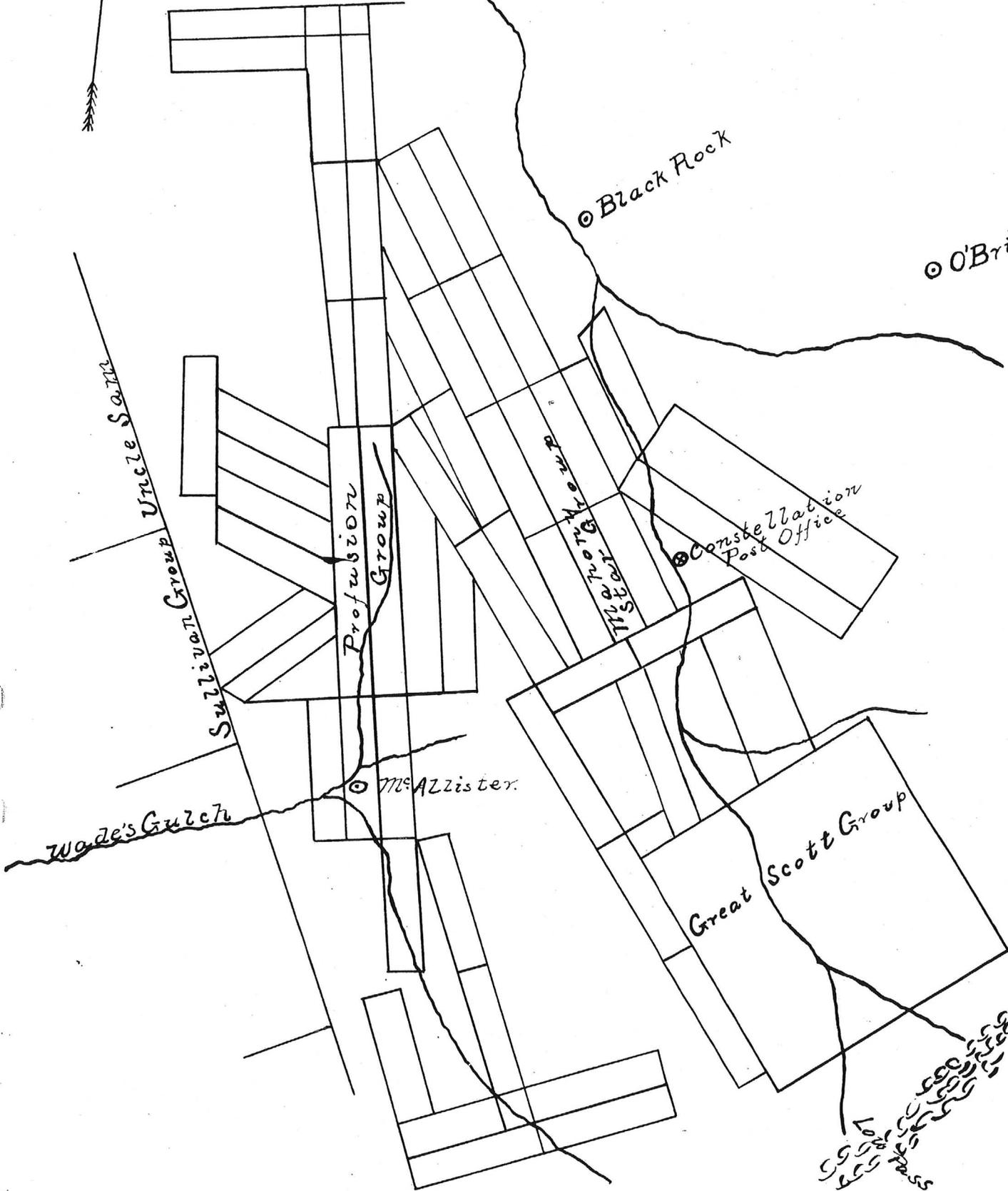
Constellation Post Office

Ms. AZZister

Wade's Gulch

Great Scott Group

Lois Pass



northwest and southeast dipping to the southwest. A 40 foot shaft shows a well mineralized vein of 15 inches carrying copper carbonates, iron oxides and sulphides, as far as accessible.

A sample from the dump shows:-

Sample No. 58.	%	Ounces per ton	
	Copper	Gold	Silver
	4.45	.08	.36

Lack of access to the shaft renders conclusion doubtful.

The Great Scott Group. (Keystone Consolidated Mining Co.)

The group consists of nine patented claims of which the Great Scott has been most developed. A shaft 600 feet deep has been sunk, but was filled to the 300 foot level at the time of our visit. No work has been done below the 200 foot level nor has the ore been crosscut here. Stations a lone have been cut in the shaft. On the 100 foot level about 430 feet of work has been done as shown on the plan herewith. The samples resulted as follows:-

No.	Cut	%	Ounces per ton	
		Copper	Gold	Silver
59.	39' cut	.20	.04	.42
60.	14' cut	1.30	.03	.48
61.	8.5' cut	.25	.02	.42
62.	33' cut	1.50	.02	.38

Concentration of an average of the above yielded concentrates carrying gold .02 oz silver .40 oz per ton and copper but % copper. Results thus far unsatisfactory.

In sinking the shaft the vein left the shaft between the 100 and 200 foot level. It does not appear proven that the ore thus far encountered is of pay character, or could pay in its location to handle as a whole. The presence of the shaft however certainly renders the crosscuts at levels imperative under the circumstances. Very elaborate and rosy reports of the property are in general circulation.

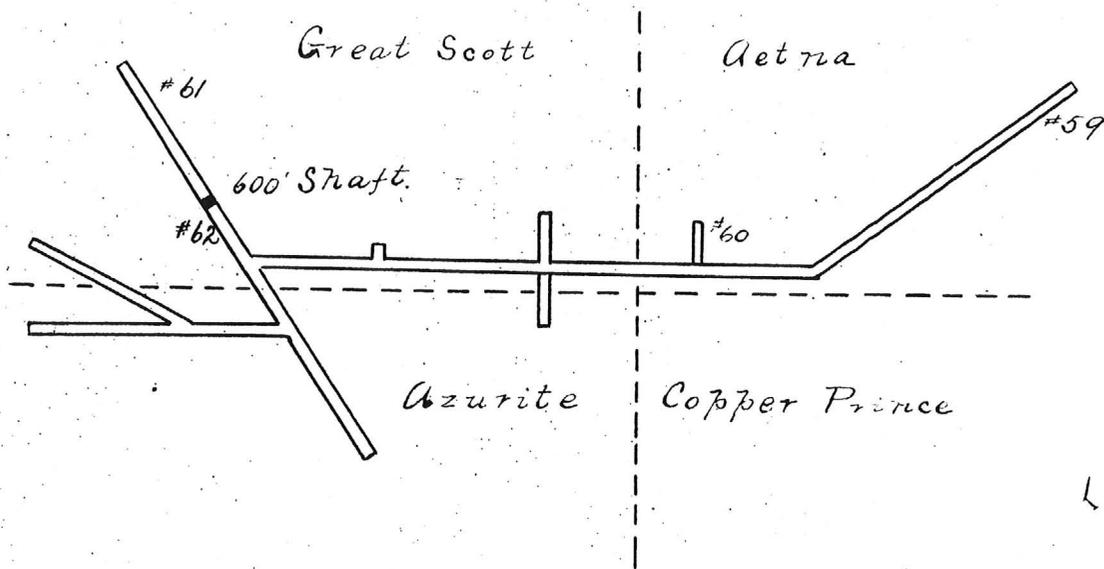
A selected sample and an average from the dump resulted:

	%	Oz. per Ton	
	Copper	Gold	Silver
No. 7. Selected ore from dump	11.34	.02	.72
No. 8. Average grab from dump	1.94	.06	.70

The titles have been for some time in litigation and work discontinued. It is stated that work will soon be resumed if new capital can be raised. The property is well equipped with hoist adapted to 1000 feet, Air compressor, pump, etc., and piping installed. A much more detailed examination with decidedly more favorable results would be required before the writers could believe in the future of the property except as the merest speculation on the crosscuts.

#### The Bisbee Belle.

This property is located in Buckhorn Gulch and consists of -- claims. The mineral showing is along a porphyry dyke carrying specular iron and sulphides. A tunnel 625 feet long follows the ledge matter and at the breast an up-raise is made to the surface. At 200 feet from the portal



Plan of workings on 100' level  
 Great Scott Mine  
 Keystone Consolidated Copper Mines Co.

WREN MINE

YAVAPAI COUNTY

KAP WR 8/21/81: Howard Baker, Comack, N.Y., reported that Alanco Limited (Anthony Lane etal) has acquired ownership of the Zahav Enterprises in Black Rock Blue Tank Mining District. Included are the (1) Wren Mine; Zahav Enterprises (2) Keystone Mine; Los Altos Yentos and (3) Gap Claims; Howard Baker. Mr. Baker was also a principal in Los Altos Yentos and Zahav Enterprises.

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NJN WR 10/15/82: Mike Hall with Alanco Lmtd. reported that Alanco has the patented Wren Claim Group (T8N R3W), Yavapai County. Their plans include a reconnaissance of the Slim Jim Creek Area.

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WREN MINE (FILE)

Yavapia Co.  
Black Rock District

CJH/WR 11/3/78 - John B. Rothermel, 3016 W. Mercer Lane & his brother hold a patented claim containing the Wren Mine near Constellation, about 14 miles NE. of Wickenburg. Will examine the property with them.  
11/22/78 a.p.

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CH/WR 4/27/79 - CH met with Glenn Miller & Messrs. Howard Baker, Attorney, and Murray Wachter, Garment Manufacturer, both of New York City, at the Wickenburg Inn and drove northeast to the Black Rock Mining District. Baker and Wachter have purchased the four Wren Patented claims from the Rothermels (Survey #3132) and have an option on the adjoining Great Scott, Aetna, Atlas, Yellow Kit, Copper Prince, Azurite Copper, Cuprite, Gray Dick and Copper Zone claims (Survey #1530). Additionally, they have first refusal rights on the Mountain Chief, Sampson and Elsie (Survey #1536) and, in the Blue Tank Mining District, the Canton, Alaska, Prescott #2, North Star, Madelein, Cleveland, Evening Star, Cottonwood, Senate and Lucky Strike (Survey #4039). These 26 patented claims embrace a total of 454.337 acres. We toured some of the claims and pointed out geologic features and some claim corners. They have retained a geologist, Tony Lane. As a next course of action, Glenn and I recommended that a geologic map and sampling program be conducted on the subject claims by a competent consultant. 5/9/79 a.p.

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KAP WR 9/29/80: Howard Baker from New York called to discuss activity in Blue Tanks District, Yavapai County. He and his associates own a block of claims in the District: Wren Mine. He went on to explain that his organization is not really doing any work on the patented ground at this time.

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KAP WR 11/7/80: In the company of Howard Baker, a visit was made to his Los Altos Yentos Mining Properties in the Blue Tank District, Yavapai County. While on this trip, the Wren Mine, Great Scott Mine, and Keystone Mine were visited. Los Altos Yentos properties are known by Zahav Enterprises, whose principles are Howard A. Baker, 12 Shelbourne Lane, Commack, New York 11725, phone (516) 499-4934, and Murray Wachter, 90 Cypress Drive, Woodbury, New York 11797.

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KAP WR 11/14/80 Howard A. Baker, part owner of Wren, Great Scott and Keystone Mines in Blue Tank/Black Rock District, Yavapai County, reported that he has been contacted by Jim Rogers of Uranex USA regarding his claims. He went on to report that Mr. Rogers stated that Uranex is acquiring properties in the district for exploration and that they have so far acquired 80 claims in one group and have staked an additional 62 claims under their own name.

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PROPERTY ZAHAV PROPERTY

PROJECT NO. 321

LOCATION Black Rock Mining District, Yavapai County, Arizona.  
11 Miles north of Wickenburg.

ACREAGE 1,074.32 Acres.

LAND STATUS 26 Patented Lode Claims and 26 Unpatented Lode Claims.

OWNERSHIP ALANCO LTD. (100%)

CURRENT ACTIVITIES Exploration-development.

COMMODITIES Gold, silver, copper and uranium.

RESERVES 500,000 tons (inferred)

VALUE \$5,000,000.00

COMMENTS Minerals Exploration Ltd. "81"



GEOLOGICAL REPORT ON THE ZAHAV ENTERPRISES PROPERTY

Black Rock Mining District  
Yavapai County, Arizona  
March 20, 1980

*INCLUDES*  
*WREN GROUP*  
*GREAT SCOTT GROUP*  
*MOUNTAIN CHIEF GROUP*  
*CLEVELAND GROUP*

Introduction

*SEC. 9410 8N. 3W*

The Zahav Enterprises has various equity and percentage interests in a series of patented and unpatented mining claims, located in Township 8 North, Range 3 West, Gila and Salt River Base and Meridian, Yavapai County, Arizona. The property has been examined in a sporadic evaluation program commencing in December of 1979 and extending through to the present. The purpose of the examination was to identify and evaluate the mineralization that exists on the property, particularly of the precious metals laying within this property claim block.

The work was authorized by Howard Baker, who is a principal in the Zahav Enterprises. In the initial conversations and the planning of this project, various phases of the mechanics of the program were discussed.

The separate patented claims, although located approximately on the ground, had not been defined as far as specific location and this was the first priority of the program. It was recommended that the claim corners of the patented land be established where possible and adequately marked. It was further recommended that aerial photography be employed where a photograph could be employed in conjunction with the claim boundary establishment. It had been found that the cost of field work was greatly reduced utilizing this system for the approximation of claim boundaries.

It had also been found that aerial photography aided and speeded geological mapping in the field, both by location identification and structural interpretation.

The specific program was established with the following phases:

- 1) The establishment of patent claim boundaries where possible.
- 2) The marking of claim boundaries for aerial photograph enlargement to scale.
- 3) Completion of aerial photography with enlargement to 1 to 400 feet to the inch.
- 4) The sampling of surface exposures as observed in the field, together with the mapping of structural features in the area of the sampling, together with the measurement and sampling of such dumps as exist within the claim area.

The geological assessment phase was the establishment of areas of mineralization, the geological features which effected these zones of mineralization and a sampling program determining the values of these areas of mineralization. The further geological interpretation was based upon the ascertainment of the extent and continuance of these structures containing the mineralization in an attempt to estimate potential mineral reserve within the property.

The work was undertaken by employees of Anthony Lane, including Charles Porter, Kevin Jones, Michael Hall and Larry Kersey. The contractual aspects of the operation for trenching of the dump material was undertaken by T & H Construction Company of Prescott, Arizona.

#### Property Location and Description

The property contained within this study represents a portion of 4 separate groups of mining claims, namely:

- 1) The Wren Group, consisting of 4 claims - Mineral Survey Number 3132.
- 2) The Great Scott Group, containing 9 claims under Mineral Survey Number 4580.1530
- 3) The Mountain Chief Group, containing 3 claims under Mineral Survey

Number 1536.

- 4) The Cleveland Group, consisting of 10 claims under Mineral Survey Number 4039.
- 5) An area, since located by the principals, of 26 unpatented lode claims lying between the patent claim group.

These various claim groups are contained in Section 9 and 10, Township 8 North, Range 3 West, Gila and Salt River Base and Meridian, Yavapai County, Arizona. The District is generally known as the Black Rock-Blue Tank Mining District.

The property is reached by following a gravel, county maintained road, known as the Constellation Road, North and East from Wickenburg, Arizona, towards Castle Hot Springs, an old remote tourist attraction. Wickenburg lies some 50 miles North-West of Phoenix, Arizona, the State Capitol. Phoenix houses many industrial supply facilities with readily available equipment and mining supply needs. The property is accessible by two side roads, the first of which is the turn-off to the Cleveland Group of claims, which is approximately 15.5 miles from U.S. Highway 60 and 89, Wickenburg. The second turn-off is approximately 1.5 miles further and leads to the Great Scott and Wren Group.

The area of the claim group ranges in elevation from 3,500 feet in the canyon and arroyo areas to 4,611 feet above sea level at Morgan Butte, the local prominent elevation. The terrain is moderate to rough, typical of the region, with some localized extreme relief.

The vegetation is typical to the Sonoran Desert Plain at this elevation, with desert cactus and grasses requiring the minimal rainfall of the region. There is no local timber for mining purposes.

The patented claim corners are marked in several manners, including

chisled rocks set into the ground, older monuments containing 4 X 4 posts, on which the Mineral Survey information is established. Much of this has weathered and deteriorated in either instance. Sufficient corners have been established to determine the location of the patented claims and these have been identified on the aerial photograph and the balance of the claim boundaries have been established in accordance with the field notes of the Mineral Survey as these have been approved. The Mineral Survey field note data was obtained from the Bureau of Land Management's State Office Public Records in Phoenix, Arizona. The unpatented mining claims have been located on a contiguous claim basis extending North-Easterly, flanking the Cleveland Claim Group, overlapping the Mountain Chief Group and extending to the Westerly side line, including some overlapping of the Great Scott Group. These claims have been located according to Arizona Statutes, as revised, and have been recorded with the Yavapai County Recorder's Office. At this time the claims have not been recorded with the Bureau of Land Management as required by law.

### History

The Wickenburg and Black Rock Mining Districts have historical repute as a gold-silver mining district, with particular prominence of the Vulture Mine, which was a major producer of gold in the district. The specific claims which are contained within the Patents, range in location dates from 1896 through 1920. Many of these claims have not been worked since the date of patent and must be credited with only minor production of record.

The major workings on the properties, as reflected by the patent field notes, are reflected in the following order:

- 1) The Great Scott - 250 feet deep with lateral workings.
- 2) The Cleveland (Evening Star) - 450 foot shaft with stopes and open cuts.
- 3) The Wren - 250 foot adit with stopes.
- 4) The Mountain Chief with an 80 foot deep shaft.

The mineralization within the district is particularly identified by the copper oxide content, which is exposed particularly in the Cleveland Group and the Wren Group. On the Cleveland Group, there has been an attempt for some copper leaching on a limited scale by a previous operator, although the economic results of the copper leaching is not known. Apart from this attempt for copper leaching, the properties generally have not been operated since the middle 1920's.

In recent years, there has been a fairly extensive exploration in two applications, the first being uranium, followed by a recent activity on precious metals with the increase in precious metal prices.

### Geology

The regional geological rock setting is an area of Precambrian granites with gneiss and schists exposed on a constant basis. One trending of the Precambrian granite gneiss systems is North-Westerly, which has established a drainage pattern towards to the Hassaympa River. The general relief is the result of erosion leaving ridges which contain resistant materials. These contain siliceous fissures and fault systems in which there is mineralization. This is the area on which the Great Scott Claims have been located. This particular relief system extends over a three mile strike with the Black Rock Mine being the Northern extremity of this system and the Abe Lincoln Mine being the Southernmost extension of this system.

The second trending is observed in the area of the Cleveland Group, which strikes approximately North  $10^{\circ}$  West and extends in a general direction towards the Black Rock Mine to the North. This system is particularly notable as being an erosion low and this zone contains a significant amount of copper oxide mineralization along the strike (1,600').

A third trending is noted of which strike lies Easterly. This system or systems contain the area of the Wren Claim development. This is significant in the copper oxidization.

The initial sampling of the area of the Wren, Great Scott and Cleveland Groups resulted in the determination that the precious metal occurrences were somewhat localized to the regional trending. Resulting from this determination, it was found that there is a subtle South-Easterly trending patterning, which affects the localization of the mineralization. This is very apparent in the Keystone Shaft area where the copper mineralization is trending North-North-West. However, the lateral extension on the regional trend resulted with little or no precious metal being contained. Sampling immediately in and around the intersection of the South-Easterly trending zone resulted in more precious metal being established.

Similar intersections are duplicated in the immediate area of the Great Scott Shaft where the original workings have been developed on a South-Easterly trending system, which dips to the North-East. The resulting shaft was sunk and crosscut to this zone, as reflected in the Mineral Survey Field Notes, although the regional trend is to the North-West. This zone was further confirmed after examination of the dump material with particular regard to the sulfide mineralization, which was last mined from the vertical

shaft, this material being identical to the material which was mined from the prior workings referred to in this paragraph. This zone continues to the South-East to a point where it intersects the Easterly trend of the Wren structure, although this intersection has not been developed.

Mineralization as exposed in these highly silicified structures is predominantly iron, with lesser amounts of manganeses with some copper.

The Great Scott dumps were trenched by backhoe to ascertain the quantity and grade of material within the dumps. The purpose of this evaluation was to determine the economic feasibility of processing the precious metal values by cyanide leach process. The results of this sampling did not reflect sufficient quantity to be of economic consideration.

The determination of the localization of this mineralization resulted in selective sampling of the areas of fault intersect. These results are contained in the assay certificates as included in this report.

#### Ore Reserves

The results of this assaying, sampling and examination have resulted in the following areas being established as containing mineral reserves for potential targets for further exploration and development:

##### Area 1 - The Great Scott

This target is the vein originally mined in the development and production of the Great Scott Claim Group. This system is exposed some 50 feet to the South of the Great Scott shaft, which at the time of the

Mineral Survey was reported at 250 feet in depth. The particular system that the original workings were sunk on is a highly silicious vein system, which strikes to the South-East and dips to the North-East. The surface exposure is quite heavy in sulfide mineralization

This system can be traced on surface a distance of some 600 feet to the South-West, where this interesects the trend of the Western extension of the Wren vein system. There is one small shaft sunk on the extension of this system and assays taken on this zone, representing from .15 to .18 ounces of gold to the ton. These samples represent surface exposures of this 600 foot structure.

Reports obtained from the Arizona Department of Mineral Resources reflect that back in the '20's, the Great Scott consisted of 600 feet of vertical shaft with 700 feet of drifts and crosscuts. There is a statement of ore in sight as being estimated upwards of 400,000 tons on the 100 foot level. The ore bodies are reported as being \$11.00 plus per ton in copper and gold.

Based upon the vein exposure to the surface, extending from 600 feet to the South-East and extending to the canyon floor to the North-West, representing a total of 1,000 feet in strike level across a viewable width of 7 feet representing the sample width and projecting to 250 feet, which is the known extent of the vertical shaft and calculated on the exposed strike length, this represents inferred reserve of 134,615 tons.

Based upon the assays taken across this system a value of \$67.50 per ton can be placed on this inferred ore body

#### Area 2 - The Wren

This area is the adit which has been developed on the Wren #2 Claim.

This is an extension of the system which is referred to in Area No. 1, however the system within the Wren Adit has been limited by a flat striking fault, which does not allow extension of the mineralization to the West from the portal of the adit.

The values are constant throughout the adit, with minable stoping width, with gold content ranging from 0.05 to 0.3 ounces to the ton. This average across the minable width is 0.2 ounces. This projected possible tonnage of this zone is reflected by 300 feet along the strike, with an average width of 3 feet to a projected depth of 150 feet, as limited by the limiting fault referred to above. This represents a reserve of 10,384 tons, which has to be classified as possible or inferred ore.

#### Area 3 - Cleveland

The Cleveland Group of patented claims are represented in the area which is located on a series of regional structures, which strike North 10° West. Careful examination of the exposed extent of the mineralization which was mined and is commercial, on the Northerly trend of these systems, resulted in the establishment of the intersecting fault pattern. These are two main systems, which extend across these claims on which inferred reserve can be established. System A extends South-Easterly from the Evening Star, extending a distance of some 2,000 feet. Several small workings expose the system on the Cleveland and Madelein Claims. Due to the brecciation of the area of the fault intersections, no clearly defined foot or hanging walls can be ascertained, therefore, vein widths can be approximated. The shaft and the open stope area reflect width of in excess of five feet, therefore for calculation purposes, four feet is used.

Based upon these exposures, this represents inferred ore reserve of

61,538 tons, calculated on a depth projection of 100 feet (Evening Star Shaft is 450 feet) with a width of four feet and strike length of 2,000 feet. Average grade represents 1.5 Cu., with .05 in gold, representing a potential value of \$67.50 per ton.

System B, which is 1,800 feet North of the Evening Star, lies on the Prescott No. 2 Lode, strikes South  $45^{\circ}$  East to South  $60^{\circ}$  East, extending to the South-East over a width of the claim, some 600 feet. The width of the vein system is indistinct due to extreme brecciation, however the minimum width observed is over 6 feet. The grade is comparable to that of System A, with an inferred reserve of 20,000 tons.

#### Conclusions

Although commercial mineralization has not been ascertained in proven quantity, the geological assessment has resulted in the determination of at least three major exploration targets, together with significant inferred ore reserves. The area of primary interest is that associated with the Great Scott Shaft, which contains significant amounts of precious metals. The amount of copper associated with this system is comparatively small as far as examination of this zone is concerned, however other reports reflect a commercial copper content contained in this mine at depth.

The Cleveland Group with the copper association is a multi-target area, which will involve significant exploration. The localization of the precious metal zoning should not preclude the consideration of the development of the copper mineralization along the North strike. The availability of the Keystone Shaft to its reported depth of 700+ feet, would afford

ready access to such mineralization so encountered.

This exploration target of the copper zone, however does not preclude the extension of exploring along the South-Easterly trend of the intersection zones identified from the field appraisal. It is indicated that the precious metal content will be significantly higher in the South-Easterly trending system.

The third target is the continuance of the Wren gold-copper vein system to depth. This has some depth limitations on the Westerly extension of this system as indicated by the faulting of this material.

There has been no inclusion of the reported uranium contained within these ore zones. Preliminary checks of radiation in the area indicate that these occurrences are extremely erratic and do not lend themselves particularly to an economic consideration at this time.

The property contained in the projected area, as defined in two major target areas do represent a viable exploration target for a small to medium program. These conclusions are based upon values established by assays from the selected samples throughout the property, together with the extension of the mineral systems as identified in this report.

Respectfully submitted,



Anthony Lane

**IRON KING ASSAY OFFICE**  
**ASSAY CERTIFICATE**

BOX 14 - PHONE 632-7410  
HUMBOLDT, ARIZONA 86329



ASSAY  
MADE  
FOR

[ *Atlanta*  
*Chas Porter* ]

*Dec 29-79*

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
12-7-3	<i>Wren # 1-S</i>	<i>.050</i>	<i>0.17</i>					<i>0.51</i>
14	<i>" Dump North # 2</i>	<i>.206</i>	<i>2.36</i>	②				<i>1.25</i>
15	<i>" Wd # 1</i>	<i>.025</i>	<i>0.10</i>					<i>22.40</i>
16	<i>" # 2</i>	<i>.036</i>	<i>Tr</i>					<i>0.11</i>
17	<i>" South # 1</i>	<i>.036</i>	<i>Tr</i>					<i>2.50</i>
18	<i>G-S Dump # 1</i>	<i>.156</i>	<i>Tr</i>	③				<i>0.17</i>
19	<i>" # 2</i>	<i>Tr</i>	<i>Tr</i>					<i>0.03</i>
20	<i>" # 3</i>	<i>Tr</i>	<i>Nil</i>					<i>0.63</i>
21	<i>" # 4</i>	<i>.010</i>	<i>Nil</i>					<i>0.20</i>
22	<i>" Vein # 5</i>	<i>.150</i>	<i>0.55</i>	①				<i>0.09</i>

CHARGES *# 102.50*

ASSAYER

IRON KING ASSAY OFFICE  
**ASSAY CERTIFICATE**

BOX 14 - PHONE 632 7410  
 HUMBOLDT, ARIZONA 86429



ASSAY  
 MADE  
 FOR

*aluminum*

*Jan. 3, 1980*

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag	% Fe	% Pb	% Zn	% Cu
14-15	# 2213	Nil	Tr				0.13
16	2214	Nil	0.26				0.14
17	2215	0.14	Nil				0.12

CHARGES *450.75*

ASSAYER

# Lucas Assay Office

## Registered Assayers

Since 1880



Tucson, Arizona

4 Feb.

1980

Sample Submitted by Mr.

*Anthony Lane*

Sample Marked	GOLD Ozs. per ton ore	GOLD Value <del>X</del> ton	SILVER Ozs. per ton ore	COPPER Per cent Weight	LEAD Per cent Weight	<del>Per cent Weight</del>	<del>Per cent Weight</del>	<del>Per cent Weight</del>
B-1	0.002	~	0.10	7				
B-2	0.005	~	0.10	6				
B-3	Trace	~	0.15					
B-4	0.180	~	0.15	4				
B-5	0.100	~	0.10	5				
				11				

\* Gold Figured \$300.00 per oz. Troy  
Charges \$ 30.00

Very respectfully,

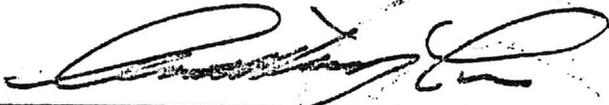
*W. S. Jacobs*

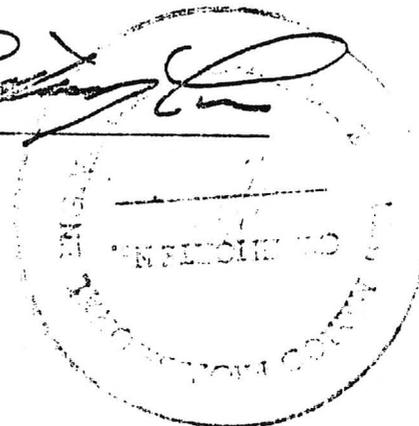
## CERTIFICATION

I, Anthony Lane, hereby certify that

1. I am a resident of Tucson, Arizona, U.S.A.
2. I hold a degree in Mining Engineering and Geology from the Royal School of Mines in England, graduating in 1950.
3. I have practiced my profession as a Geologist for thirty-one years and as a Mining Consultant for the last fifteen years.
4. I am a duly registered Geological Engineer in Arizona and New Mexico.
5. I was retained for the Property Appraisal of those properties known as the Zahav Project and have prepared a report to which this Certification is attached, containing Eleven (11) pages, Three (3) assay reports and Two (2) map exhibits, as prepared on March 20, 1980.
6. I have no interest in the Property and do not anticipate receiving any interest, either directly or indirectly.

The foregoing information is correct to the best of my knowledge.

  
\_\_\_\_\_  
Anthony Lane



## LOS ALTOS YENTOS ENTERPRISES

12 Shelbourne Lane  
Commack, New York 11725  
(516) 499-4934

Zahav Enterprises  
Attorney-in-Fact

March 19, 1981

Mr. Joseph Andrews  
Attorney  
Uranerz U.S.A., Inc.  
445 Union Blvd. - Suite 230  
Denver, Colorado 85073

Re: BLM Serial Numbers A MC 103927 - 103932  
(Gap #1 - 6); A MC 103933 (Gap #6A); A MC 103934  
through 103952 (Gap #7 through 25)

Gentlemen:

I have been advised that your company is engaging or may be about to engage in certain unauthorized activities affecting 26 unpatented mining claims located in Yavapai County, Arizona. You are trespassing upon and making ownership claims about those unpatented claims captioned above which were duly and properly staked and filed and recorded in my name.

You are fully aware that a representative of your company initiated telephone contact with me to ascertain whether I would be willing to consider a sale or other arrangement relating to these claims as well as certain adjoining patent claims in which I have an ownership interest. No agreement or permission to enter upon any of my claims was ever reached or given to your company. It is therefore despicable and contrary to law that, with complete knowledge of my ownership, you have resorted to such claim-jumping.

You are to immediately cease any and all activities which affect or may affect any of the above captioned unpatented claims without obtaining my prior written consent. I trust you understand the import of this matter and resolve to correct your actions without the need for additional legal redress.

Sincerely,



Howard A. Baker  
12 Shelbourne Lane  
Commack, New York 11725

cc: ✓ Arizona Department of Mineral Resources  
Bureau of Land Management  
E. Howard French  
Anthony Lane  
Los Altos Yentos and Zahav Enterprises

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Wren Mine, Sec. 10, T8N, R3W

Date November 13, 1978

District Black Rock District, Yavapai County

Engineer Clifford J. Hicks,  
Mineral Resources Specialist

Subject: Reconnaissance examination

Note: Subject area on Morgan Butte Quadrangle.

Met Richard Genova, 4728 N. 15th St., Apt. 100, Phoenix, AZ, Fred Rothermel, 6650 N. 46th Dr., Glendale, AZ 85301 and his brother John Rothermel, 6012 N. 47th Dr., Glendale, AZ 85301 at the Golden Nugget Restaurant, Wickenburg, AZ at 9:00 a.m. Monday, November 13, 1978.

From Wickenburg, we drove by 4-wheel drive Jeep 17 miles northeast on the Constellation Road to the Black Rock mining district near the old camp of Constellation. The road, paved to the Maricopa-Yavapai County line and graded dirt beyond, crosses, and is in, a number of dry washes and gains altitude in a Sonoran desert environment. The last few miles to the Wren and Great Scott claims would be impassable to an ordinary passenger car.

The Rothermel brothers (Rothco Mines) own three patented claims; the Great Scott and Aetna (end-line contiguous) with their long axes bearing northwest and the Wren #2, 450' north of the Aetna with its long axis bearing northeast. The Wren Mine is located almost on the centerline of the Wren #2 and 500' northeast of the southwest endline. It is 400' higher in elevation than the collar of the Great Scott Mine shaft (see claim map).

The Wren #2 claim (19,690 acres) is one of four old Wren claims acquired by the Arizona Copper Belt Mining Co. whose main office was in New York, NY and the mine office in Constellation, AZ. It was organized in 1906. Development work consists of a 200' adit whose portal is immediately fronted by an 8'x8'x80' un-timbered shaft half filled with water; a 20' tunnel, now completely caved, and a small prospect hole.

The 3'x5'x200' adit was entered by precariously walking around the open shaft on a 1½-2' berm. It is rather badly caved at the portal and in several other spots in its 200' length although very light mine car tracks were noted in one place along with a one-man side set on the northwest wall for passing. The last 30' of the adit was stoped to a height of approximately 20-25' above the sill with a small wooden chute still in place about 30' back from the face. Several stulls lying around indicated the method of wall support.

Five feet back from the adit face two 4'x4' drifts had been driven 6' south-east and northwest normal to the adit on a strong southwest dipping (70°) structure consisting of 18" of fault gouge. Fragments of limonite stained

granite (?) in a matrix of sericitic clay, also iron stained, characterized this structure. The altered granite gouge exhibited some boxworks. No copper minerals or stain were observed. A 10# sample taken across the structure was cut for assay purposes. Upon return to surface 1# was crushed and panned. Several gold colors were noted in the panned residue. Assay returns gave 0.26 oz. Au and 0.40 oz. Ag/st. to the larger sample.

The adit had been driven to the northeast on a weaker quartz vein bounded on the foot and hanging walls by minor faulting. The siliceous matrix contains some fibrous crystals of malachite plus a rather pervasive malachite stain. Chalcopyrite grains, oxidizing to cuprite provide the remaining observed copper mineralization. This vein is irregular ranging from one to three feet in width. John Rothermel reports an assay taken from the vein in the back immediately southwest of the beginning of stoping: 6.45% Cu, 0.30 oz. Ag, 0.20 oz. Au and 63.70% SiO<sub>2</sub>. This nearly vertical northeast striking vein is normal to the major mineralized zone mined on the Great Scott and Aetna claims by Keystone Mines Consolidated to the southwest. The strong fault gauge previously described, however, parallels it. Some ore was shipped to the Copper Queen smelter in Bisbee, AZ by the Arizona Copper Belt Mining Co.

The regional country rock appears to be an unaltered (Pre-Cambrian ?) granite gneiss, carrying 1-5" stringers of quartz oriented randomly to the banding, dissected by seasonally dry washes forming topographic lows which may be surface expressions of differential erosion along faults, veins or strong jointing.

cc: Tucson office

10-30-78

John:

Per our last visit, I recently cut a random  
ore sample from the Wren Mine near Constellation,  
Ariz. The property is listed in Woods Handbook  
under Ariz. Copper Belt Mining Co. The sample  
ran .20% in gold, 6.45% copper - malachite,  
chalcopryte, iron staining in a quartz gangue.  
I also kept 50 lbs. of the sample for you  
to examine. The silica content is approximately  
65%. I ~~do~~ would like to meet with regarding  
getting one of your engineers to look at the  
property with us. It is patented and approx.  
14 miles NE of Wickenburg. I will give you a call  
later this week. Thanks.

John B. Rotten  
271-3585

CLIFF - Please work with this man.  
when he comes in AND visit his property

Silica flux - no feldspar, hornblende or mica

Morgan Butte Fuel.

tract. Property shows numerous fissure veins, of which 4, under development, are said to average 30" in width. Mine has a 40' tunnel, and pits and shafts of 40', 70' and 100'. No returns secured.

#### ARIZONA CONSOLIDATED MINES CO.

ARIZONA

Mine office: Wellton, Yuma Co., Ariz. Organized Aug., 1909, capitalization \$3,000,000, shares \$10 par, by Geo. R. Bentel, F. M. Prescott and Thos. F. Bentel. Lands, 56 claims, 14 miles from Wellton, including lands bought of Hecla Consolidated Mining Co., and 2 adjoining properties. Mine is said to have about 4,000' of workings, and is claimed to have about 30,000 tons of ore on the dump, with 70,000 tons developed underground, with estimated average value, for entire 100,000 tons, of \$43.35 per ton, which figures are considered excessive. No trace of operations secured.

#### ARIZONA COPPER BELT MINING CO.

ARIZONA

Office: 25 Broad St., New York, N. Y. Mine office: Constellation, Yavapai Co., Ariz. Wm. J. Dilthey, pres.; J. C. Maugans, vice-pres. and treas.; Alex. S. McNear, sec.; preceding officers, Albert Ullman, and Samuel Bloom, directors; Chas. F. Dilthey, mine foreman. Organized Feb., 1906, under laws of Arizona, capitalization \$1,000,000, shares \$1 par, nonassessable; issued, \$655,673.

Lands, 14 claims, unpatented, area 240 acres, well watered, include the Wren group of 4 claims and Texas group of 10 claims near the Hassayampa river, in the Black Rock district about 17 miles northeast of Wickenburg, the nearest railroad point. The property shows granite and schist, said to carry numerous orebodies. The 8' Texas fissure vein, having shafts of 32', 80' and 200', and tunnels of 78', 90' and 120', shows mainly gold ore, reported by company to have average values of \$21 per ton.

The main camp was removed to the Wren group, July, 1910. Wren vein No. 1, of 5' estimated average width, shows mainly chalcopryrite, and occasional chalcocite, with some oxidized ores, estimated by company to average 5% copper, 2 oz. silver and \$8 gold per ton. Development includes an 80' shaft and tunnels of 40' and 300'. A shipment to the Copper Queen smelter recently averaged \$20.54 per ton in gold, silver and copper. Property as a whole has about 1,100' of workings, and is estimated by management to show 20,000 tons of ore, with 2,000 tons blocked out for stoping.

Equipment includes 5 small mine buildings, and work was started, 1909, on a 10-stamp mill, which remains uncompleted. Management planned installing a 30-ton smelter, but has decided to wait until the ore blocked out warrants a 100-ton smelter. A letter published in a prospectus of the company, and signed R. W. Groo, was stamped as unauthorized by R. W. Groo, Bingham Canyon, Utah, April, 1911, and demand made on the president of the company that alleged letter be withdrawn.

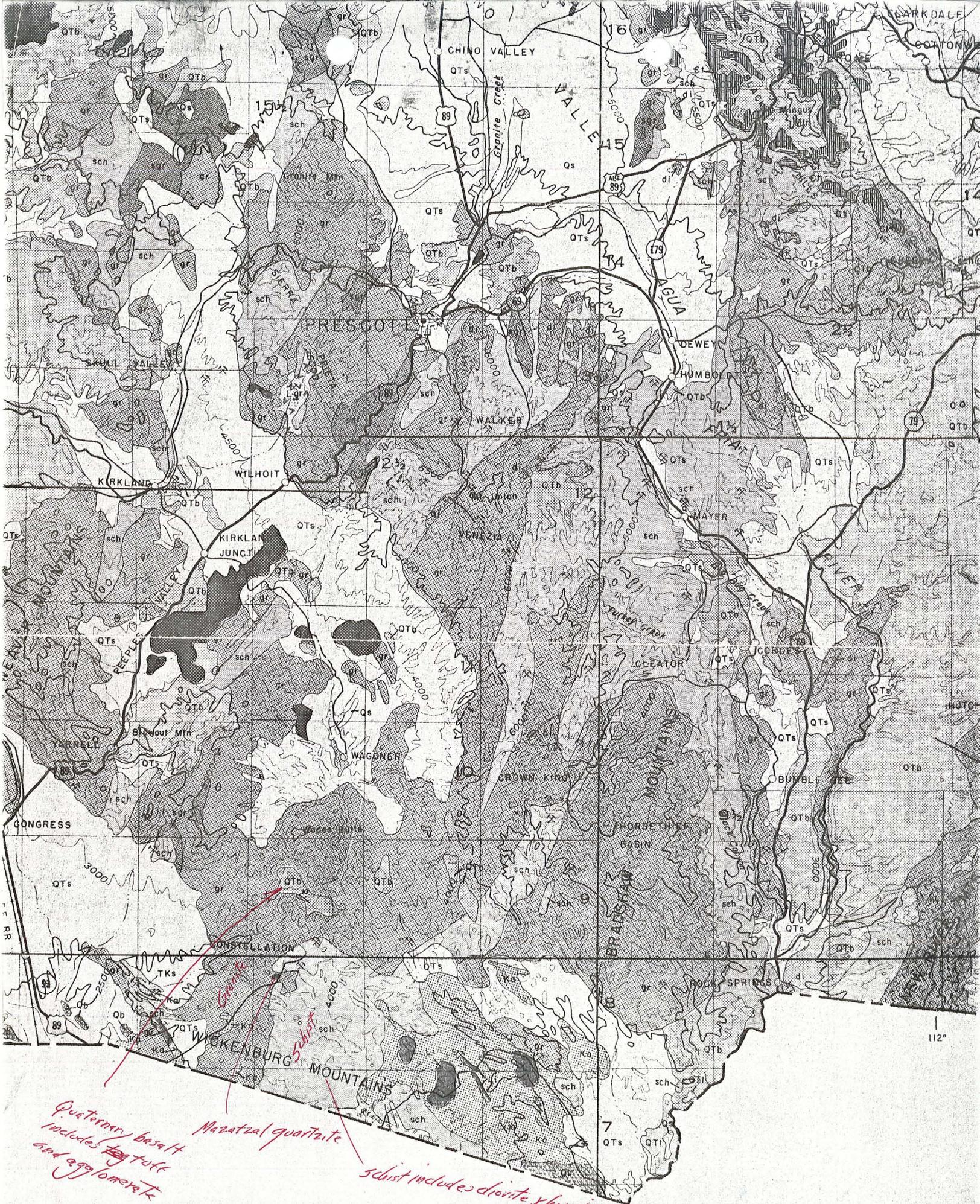
#### ARIZONA COPPER CO., LTD.

ARIZONA

Office: 29 St. Andrews Square, Edinburgh, Scotland. Mine and works office: Clifton, Greenlee Co., Ariz. John Wilson, chairman; P. Dickson, J. P., G. Readman, W. A. Carter, Y. J. Pentland, Alex. McNab, J. P., F. L. Macleod and Lord Salvesen, directors; Norman Carmichael, gen. mgr.; Wm. Exley Miller, sec.; L. D. Ricketts, cons. engr.; J. G. Cooper, cashier and purch. agt.

Organized Aug. 5, 1884, under laws of great Britain, capitalization £755,000, originally in £40,000 of A preference shares, 5s. par, upon which no calls have been made, but with £7,480 ls. paid in advance; £320,000 authorized and £316,530 issued in full paid preference stock; £320,000 authorized and £316,530 issued, shares 5s. par, of fully paid preferred stock, and £75,000 authorized, £63,444 issued, shares 5s. par, of fully paid





*Quaternary basalt  
includes tuff  
and agglomerate*

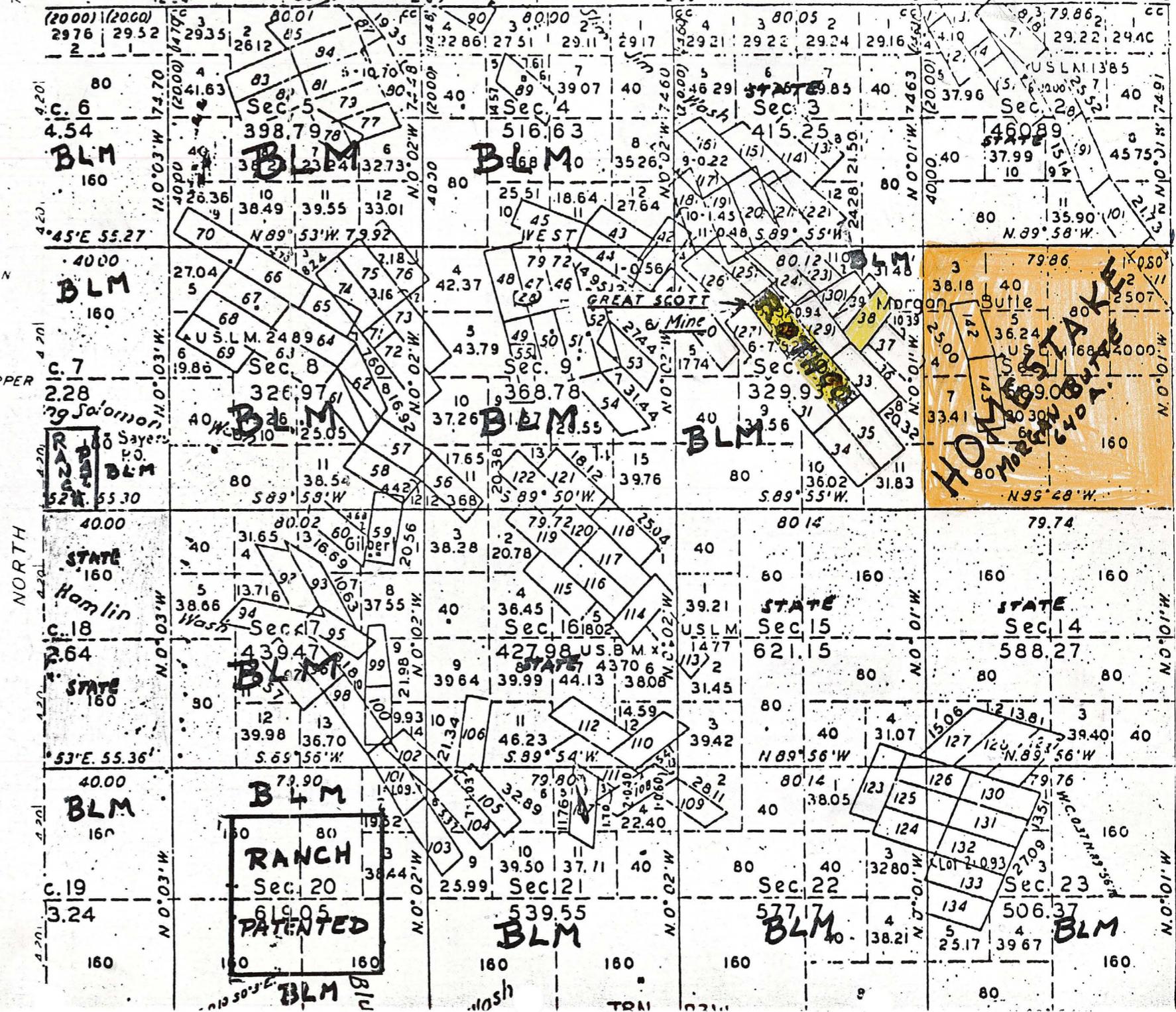
*Mazatzal quartzite*

*Schist includes diorite, rhyolite and  
gneiss*



**PATENTED MINES** SEC 10 T8N R3W Yavapai County

No	SUR	NAME	No	SUR	NAME
1	1553	BELLA 95	71	1993	COPPER KING
2		FLYING DUTCHMAN	72	1957	DENVER
3		HOMESTEAK	73		ST LOUIS
4		HOMESTEAK No 2	74		GRAVY
5		HOMESTEAK No 3	75		ST PAUL
6		LOVE STAR	76		YELLOW JACKET
7	1385	AMAZON	77	3321	TEXAS 15
8		SOUTH AMAZON	78	3675	TEXAS 9
9		CONGO	79		TEXAS 5
10		GYPSY	80		TEXAS 3
11	H	IRON HILL	81		TEXAS 1
12		COLA	82		TEXAS 2
13	M 024	HILL TOP	83		TEXAS 7
14	H	JACK PO	84		TEXAS 6
15	H	RISING SUN	85		TEXAS 8
16	H	ELIZABETH	86		TEXAS 4
17	H	S & J	87		TEXAS ADDITION
18	H	JENNY LYV	88	2719	NEW YORK
19	H	GOLD POB	89	1972	BROOKLYN
20	H	RED BIRD	90	1623	ROSLIND
21	H	SPRING	91	1973	OLYMPIA EXTENSION
22	H	MORNING STAR	92	2773	VASHTAI
23	H	BLACK DIAMOND	93		QUEEN ESTHER
24	H	GREY EAGLE	94		QUEEN OF SHEBA
25	H	LITTLE JOHNEY	95		KING SOLOMON No 1
26	H	DELAWARE	96	2418	LAWSON
27	ISSON	AZURITE COPPER	97		OLD HOMESTEAD
28	R	GREAT SCOTT	98		SCORPION
29	H	CUPRITE	99		AMALGAMATED COPPER
30	H	CRAY DICK	100		W.H. BURAGE
31	H	COPPER PRINCE	101		NOGI
32	H	AETNA	102		BATHOLDI
33	H	COPPER ZONE	103		METER HILL
34	H	YELLOW KIT	104		CHADWICK
35	H	ATLAS	105		MONTAI HILL
36	M 132	WREN No 4	106		THE ACCIDENT
37	H	WREN No 3	107	2649	BELITA
38	H	WREN No 2	108		CYCLE
39	H	WREN No 1	109		PERA
40	M 136	ELSIE	110		RAMONA
41		SAMPSON	111		DEMON
42		MOUNTAIN CHIEF	112		TEXAS
43	4026	COPPER HILL No 2	113	1477	DENVER No 3
44		COPPER HILL MINE	114		T.P. TOP
45		HARVARD	115		GOLD RING No 2
46	4039	CANTON	116		DENVER
47		ALASKA	117		DENVER No 2
48		PRESCOTT No. 2	118		BURRO
49		EVENING STAR	119		DENVER
50		CLEVELAND	120		CENTER
51		MADELEIN	121		GOLD KING
52		NORTH STAR	122		MAMMOTH
53		SENATE	123	2933	HOUSTON
54		LUCKY STRIKE	124		MARDIS
55		COTTONWOOD	125		COPPER KING
56	2973	SAN FRANCISCO	126		VICTORIA
57		GOLDEN STATE	127		KING EDWARD
58		BUCKHORN	128		COPPER PRINCE
59		GILBERT HOUSE	129		OZARK EXTENSION
60		BULLION	130		BLACK HORSE
61	2489	STARLIGHT	131		NEW DEPARTURE
62		TORINA	132		MONARCH
63		LINCOLN	133		WILD ROSE
64		LAURA	134		JUDGE B.
65		GREY EAGLE	135	1307	TRILBY
66		BLOO NELEY	136	2647A	WASHINGTON
67		UNIDA	137		DENVER
68		ROCKY MOUNTAIN	138		CARTHAGE
69		SITTING BULL	139		LUCK SURE
70	2490	HOME	140		SULPHURETT'S
			141		HAZEL
			142	1686	REPUBLIC
			143		HONEY SUCKLE
			144	1198	WASHINGTON



W-144 1198 WASHINGTON  
 OLDEST SEC. 1 - S.E. CORNER



SKETCH  
OF  
STAR GOUP OF MINES  
BLACK ROCK DIST.  
ARIZONA  
SCALE 1" = 1 MILE

Sec 10 - T8N R3W  
Yavapai Co.