



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

12/02/85

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SAVANIC

ALTERNATE NAMES:

BRONZE L

MOHAVE COUNTY MILS NUMBER: 235A

LOCATION: TOWNSHIP 33 N RANGE 14 W SECTION 9 QTR. SW
LATITUDE:N 36DEG 16MIN 34SEC LONGITUDE:W 113DEG 48MIN 00SEC
TOPO MAP NAME: GRAND GULCH BENCH - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

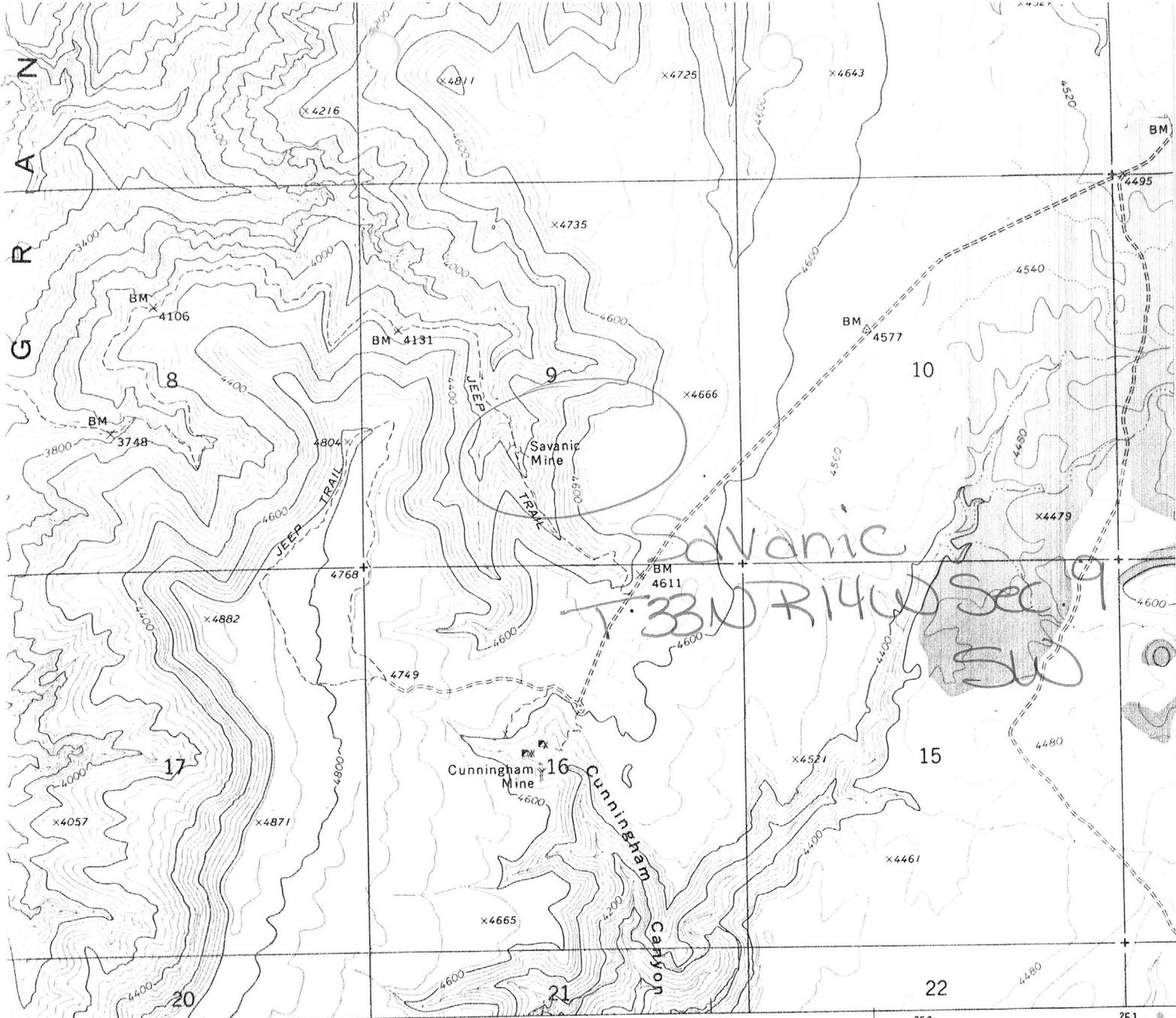
COMMODITY:

COPPER-PRIMARY

IRON-(M) FERROUS OXIDE-BYPROD. *V. R. W. W. W.*

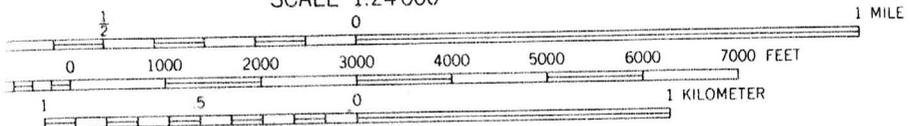
BIBLIOGRAPHY:

ADMMR SAVANIC MINE FILE
AZ MNG. JNL, VOL. XII, #10,11; OCT. 15,30
HILL, J.M. "GRND GLCH MNG RGN,AZ" USGS BULL
580D, 1914
BLM AZ. MIN. CLAIMS 49625
TENNEY, J.B. "2ND RPT ON MIN. IND. OF AZ" AZB
M BULL 129, P. 73; 1930
A.E.C. PRELIM RECONN. 172-485, P. 142
MALACH, R "MOH. CO. PLACE NAMES" P. 13; 1976
"PRODUCTION POSSIBILITIES OF THE MARGINAL COP
PER MINES IN ARIZONA" P. 84, 85; 1941
ECONOMIC GEOLOGY, VOL. 80, 1985, PP 1722-1735



(SNAP CANYON EAST)
3256 III NE

SCALE 1:24 000



CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL



QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242

Grand Gulch
Bench
7.5'

A-2

Primary hi
hard surfa
Secondary
hard surfa
Int

NAME OF MINE OR PROSP.	TOWNSHIP	RANGE	SECTION	PRIORITY
Savanic Mine	33N	14W	9 cad	B
Principal Minerals: Chalcocite, malachite, azurite, chalcopyrite	1:250,000 Quad Grand Canyon		7.5' - 15' Quad Grand Gulch Be	
Associated Minerals: Calcite, silver	District Colorado Plateau		Principal Product Copper	
Type of Operation: Underground: shaft	County Mohave	State Ar.	Type of Deposit Breccia Pipe	

Ownership or Controlling Interest:
5 M Corporation, P.O. Box 752, Hurricane, Utah; Leon and Jerry Glazer (1980)

Access: From Wildcat Ranch proceed north on Mt. Dellenbaugh trail. Turn left on Pigeon Wash trail and proceed west for 15 miles. The mine is shown on the topographic quadrangle.

Structural Control or Geological Association:

"The ore is contained in replacement bodies within a fault zone. Some of the bodies contain as much as 50 tons of ore in a single pocket or lens. Lenses appear to be connected to one another by either variable sized lenses or by small replacements in cracks or fissures. The country rock is limestone." ¹

"The Savanic mine is developed on a breccia pipe situated in the Pennsylvanian/Permi Pakoon Limestone facies of the Supai Formation. The mineralization occurs in fracture joints and bedding planes of brecciated limestone and sandstone fragments. The primary copper mineral is malachite with minor azurite. The original sulfide mineralization appears to have occurred in discontinuous veinlets and pods." ³

Age of Mineralization:

Production History	Geochemical Analyses
1910 - 1933 ¹ 25,000 tons ore 1933- 1946 ¹ 500 tons ore	<u>Radioactivity</u> ³ Background: 20-25 cps High: 30-35 cps
Shaft 200 foot steep 60° incline ⁵ 100 foot drifts 60' and 100' levels	<u>Geochemical Assay</u> ⁴ U ₃ O ₈ 0.0023% Ag 0.05 oz/ton Au trace Cu 1.025% Mo 0.084% Pb 0.0475% Zn 0.038% Co 0.002% Ni 0.005% Cr 0.0475%

References

- 1) ADMR file, Phoenix, Ar.
- 2) AEC (1970) p. 98.
- 3) Exploration Research Associates Inc. (1980) October, field reconnaissance.
- 4) Exploration Research Associates Inc. (1981) April, memo to W.H. Crutchfield, Jr.
- 5) Hill (1913) p. 53-56.
- 6) Billingsley in Breed and Roats (1974) p. 171-172.

A-3

SAVANIC MINE

MOHAVE COUNTY
BENTLEY DISTRICT

NJN WR 2/24/84: Fred Rothermel, geologist with the State Land Department, reported that Uranerz USA Inc (c) was drilling at the Savanic and Cunningham mines, both in the Bentley District of Mohave County.

USBM List 1968 lists Savanic Mine: McMURRIN WULFFENSTEIN
98 Diagonal Street
Saint George, Utah
84770

B-2

Matt



SAVANIC MINE (FILE)

START

Office of State Mine Inspector

1-24-84

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303* we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to ~~start~~^{start}/stop (please circle one) a mining operation.

COMPANY NAME URANERZ U.S.A., INC.

CHIEF OFFICER Dr. Bernhard Free^{NC}, General Manager

COMPANY ADDRESS 445 Union Blvd., Suite 230, Denver, CO. 80228

COMPANY TELEPHONE NUMBER (303) 985-1511

MINE OR PLANT NAME Savanic Mine

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

- Nearest town, St. George, Utah

- Located in Section 9, T33N, R14W, Mohave County, Arizona

Refer to attached plat for access

TYPE OF OPERATION surveying PRINCIPAL PRODUCT Exploration

STARTING DATE Jan. 24, 1984 CLOSING DATE Jan. 28, 1984

DURATION OF OPERATION Approximately 5 days

PERSON SENDING THIS NOTICE W.G. Houston

TITLE OF PERSON SENDING THIS NOTICE Operation Manager

DATE NOTICE SENT TO STATE MINE INSPECTOR Jan. 23, 1984

*A.R.S. Section 27-303 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.

B-3



DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date 6-22-1946

- 1. Mine: New Savanic
- 2. Location: Sec..... Twp..... Range..... Nearest Town St. George Wash
Distance 90 miles Direction South Road Condition Fair dirt road
- 3. Mining District & County: Bentley Mining Dist. Mohave Co Ariz
- 4. Former Name of Mine: Savanic - Benzell
- 5. Owner: Louis R. Lund
Address: Moapa Nevada
- 6. Operator: Not operating at present
Address:
- 7. Principal Minerals: Copper, Silver
- 8. Number of Claims: 2 Lode yes Placer.....
Patented no Unpatented yes
- 9. Type of Surrounding Terrain: Brush Mtns

10. Geology & Mineralization: Lime & Sandstone
veins very high grade copper and history
of mine is they drift into larger veins and
some big steps of ore

11. Dimension & Value of Ore Body: The vein at top is about
3 ft wide black manganese and copper with
small veins of good copper ore making out
from main vein.

12. Ore, "Blocked Out" or "In Sight": No ore blocked out but good prospects. Drains of from 8 to 24 inches wide of 30 to 50% copper ore

Ore Probable: Very good

13. Mine Workings—Amount and Condition: In good condition

No.	Feet	Condition
Shafts	90	Ladder all very good shape
Raises	,	
Tunnels	.	
Crosscuts		
Stopes	-	

14. Water Supply: Water has to be hauled 7 miles

15. Brief History: Mine has been in and out of production since 1915. Produced considerable copper some silver. Last work in 1937

16. Signature:

17. If Property for Sale, List Approximate Price and Terms:

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Capitol Building, Phoenix, Arizona

Name of property. Savanic

Location and accessibility of property.

This property is reached by County road from Saint George, Utah to Mount Trumbull, Arizona for first 55 miles, then the old Grand Gulch road to Grand Gulch, which is five miles from Savanic.

The present roads need repair (Estimated cost \$2,000.00)

History of ownership.

Mr. Harry Gentry bought the mine from an unknown prospector about the year of 1910. Mr Gentry operated the mine from then until the drop in price of ore soon after the first World War. He did not make patent proof of the property.

Mr. Louis R. Lund through an old prospector filed claim on the Mine in 1933.

I took a Bond and lease on the property May 1st 1941.

Production history.

Mr. Gentry took out of this mine not less than 25,000 tons. Leasers since this time have taken out about 500 tons since.

Mr. Babinaw took out three carloads in 1936. This was last ore shipped.

*Savanic can produce 10,000 py
year alone.*

General geology (brief)

The ore is coming up in the form of mostly Cuperite, Copper Glance, with some Azurite and Malachite. The ore is made in in replacement areas in the faulted lime. Some of these contain as much as 50 tons in a single pocket or kidney, and will be connected to another variable size pocket by small showings in cracks or small replacement bodies. The whole surrounding area is lime.

Ore occurrence.

Superite, Copper Glance , Azurite , and Malachite.

Ore reserve (quantities and values).

Ore reserve unknown but a very good showing in sight.

The ore that has been shipped has all averaged well over 25% Copper. When last shipments were made extra care in sorting made carload shipments of 35% ore.

There is very little other value in the ore. There is a little silver and very little Gold.. These values are too low to count on.

Accessory metals of value.

None

Development work done.

A working shaft of 190 feet is in good shape equipped with hoist and power unit for same.

From this shaft are two levels showing ore in all the workings .

Roads for last half mile down into the mine have all been washed away.

The only building yet standing is hardly usable.

Plants (with capacity) already on property.

No plant.

Note

IT WILL ONLY TAKE TWO WEEKS TO GET THIS PROPERTY INTO PRODUCTION. IF I MADE THE STATEMENT IN THE LAST QUESTIONAIR OF ONE YEAR IT WAS A MISTAKE.

As soon as machinery such as air Compressor etc can be put in production can start from first shift.

THIS MINE NEEDS ABOUT \$10,000.00 to get things going.

Good Paper 3, 1940

Date June 11, 1941

Signed *M. Rogers*

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property... Savanic Mine

Location... Ten miles north of Lake Mead, Fifteen miles from Nevada State Line ..

Ownership... Louis R. Lund ... sold to William Rogers on Bond and Lease

Name of Manager... William E. Rogers

Post Office address... Box 698 Saint George, Utah

Copper production (pounds) during each of the past five years:

1936... 80 tons ore (34 %) ... 1937... 40 tons ore (32 %) ... 1938.....

1939..... 1940.....

1941 rate of copper production based upon first four months... Mine not operating ..

How much copper could this property produce annually

on a 14 cent price?

on a 16 cent price? 10,000 tons of 25 % ore ...

on an 18 cent price?

on a 20 cent price?

500,000

What price copper is necessary for this property? ... 16

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured?

a 16 cent price could be assured? Regular mining equipment (no equipment now) ..

18 cent price?

20 cent price?

For what length of time would assurance of price and sale of full production be necessary? ... One year

How long would it take, after financing has been provided for, before production on the above basis could be reached? ...Sixty days (. Small production from start.)...

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated?No.....

If not, do you believe that your company would be amenable and agreeable to government financing?Yes.....

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement?Yes.....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes

If I were properly financed, I could bring this property into production of a few tons per day (probably 10 tons 25 % ore) within two weeks. This and two .. properties that are right close would together have a possible production of 125 tons per day of 25 % ore. The only thing that is keeping these properties from .. producing at present is road conditions. The road conditions are also the reason for an impossible transportation cost. The road to this one property can be built .. in a good hauling condition for not more than \$2,000.00 (two thousand dollars)

What would be your ideas on financing and carrying out such a plan as is indicated by these questions?....There is no reason why an amount of the shipment (or Percent.) cannot be deducted right at the smelter, to be applied on the money advanced on .. property. Personally I would be willing to turn 25% of the net smelter receipts to some such agency as could be provided to advance money to put this property .. into operation.....

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.. The Grand Gulch Copper Mine located five miles from property above mentioned is a very good mine , and can produce if .. cleaned up at least 35 tons per day of 25 % copper..... Copper Mountain 35 miles from Savanic can be made to produce 40 tons per day of .. 30 % Copper.....

These mines all produced during last worlds war, and were abandoned during the era of .5 and 6 cent copper.. The roads as were used then are washed .. away.

There are four good mines here in a small area that are capable of ... producing 150 tons per day of 25 % copper, with proper financing. I would say that a total finance of \$75,000.00 would be adequate for roads, machinery and all.

Date June 5, 1941..... Signed..... Williams Rogers

B-9

June 9, 1941

Mr. William E. Rogers
Box 698
St. George, Utah

Dear Mr. Rogers:

I am in receipt of your questionnaire regarding the Savanic Mine and we note that you could produce 10,000 tons of 25% ore if the price was 16¢ per pound. The one piece of information that you failed to give us and which is very important is the estimated cost of plant facilities necessary to make that production. We would greatly appreciate data on that subject as the government would want to know the cost of getting into operation.

There is one thing, however, that I do not understand and that is if only regular mining equipment were necessary, why it would take one year to get into production. That would indicate that considerable development work is necessary and it is not our idea to include within this report the mines in which development work is required. That report will come later.

Am I to assume that the report that you sent marked for the Savanic Mine includes the Grand Gulch and Copper Mountain, and that from all of these properties put together you could produce 10,000 tons of 25% ore?

Included within this report we anticipate putting a brief description of the properties which will be listed as potential producers. In order to have these brief reports uniform in their contents we have gotten up another questionnaire showing the points we want to cover, and it will be greatly appreciated if you will fill in one of these questionnaires for the Savanic Mine and return it to us.

Thanking you for an early reply, and with kindest personal regards,
I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

B-10

June 17, 1941

Mr. William E. Rogers
St. George, Utah

Dear Mr. Rogers:

I want to thank you for the final questionnaire on the Savanic Mine. This gives us the complete data for our report relative to that property.

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

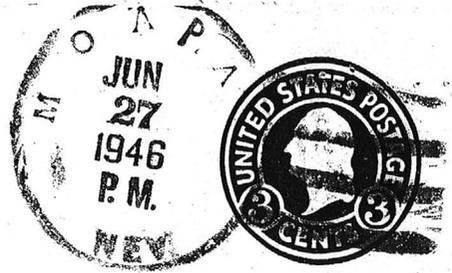
CFW:LP

B-11

I hold the four copper
properties mentioned in Data
under option, and am trying
to work out some way to
finance & operate all
under one head.

Rogers

Louis R. Lund
Mesa, Nevada



Dept of Mineral Resources
State of Arizona
304 Home Building Bldg
Phoenix Ariz

B-13

Copy of Envelope

USBM List 1968 lists Savanic Mine: McMURRIN WULFFENSTEIN
98 Diagonal Street
Saint George, Utah
84770

B-2

DEPT. MINE PHOENIX
JUN 29 1946
ARIZONA

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date 6-22-1946

- Mine: New Savanic
- Location: Sec..... Twp..... Range..... Nearest Town St. George Wash
Distance 90 miles Direction South Road Condition Fair dirt road
- Mining District & County: Bentley Mining Dist. Mohave Co Ariz
- Former Name of Mine: Savanic - Benzell
- Owner: Louis R. Lund Louis R. Lund
- Address: Moapa Nevada
- Operator: Not operating at present
Address:
- Principal Minerals: Copper, Silver
- Number of Claims: 2 Lode yes Placer.....
Patented no Unpatented yes
- Type of Surrounding Terrain: Brush Mtns

10. Geology & Mineralization: Lime & Sandstone
veins very high grade copper and history
of mine is they drift into larger veins and
some big steps of ore

11. Dimension & Value of Ore Body: The vein at top is about
3 ft wide black manganese and copper with
small veins of good copper ore making out
from main vein.

12. Ore "Blocked Out" or "In Sight": No ore blocked out but good prospects veins of from 8 to 24 inches wide of 30 to 50% copper ore

Ore Probable: Very good

13. Mine Workings—Amount and Condition: In good condition

No.	Feet	Condition
Shafts	90	Ladder all way good shape
Raises	'	
Tunnels	.	
Crosscuts		
Stopes	-	

14. Water Supply: Water has to be hauled 7 miles

15. Brief History: Mine has been in and out of production since 1915 Produced considerable Copper some silver East work in 1937

16. Signature:

17. If Property for Sale, List Approximate Price and Terms:

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Capitol Building, Phoenix, Arizona

Page 2.

Name of property. Savanic

Location and accessibility of property.

This property is reached by County road from Saint George, Utah to Mount Trumbull, Arizona for first 55 miles, then the old Grand Gulch road to Grand Gulch, which is five miles from Savanic.

The present roads need repair (Estimated cost \$2,000.00)

History of ownership.

Mr. Harry Gentry bought the mine from an unknown prospector about the year of 1910. Mr Gentry operated the mine from then until the drop in price of ore soon after the first World War. He did not make patent proof of the property.

Mr. Louis R. Lund through an old prospector filed claim on the Mine in 1933.

I took a Bond and lease on the property May 1st 1941.

Production history.

Mr. Gentry took out of this mine not less than 25,000 tons. Leasers since this time have taken out about 500 tons since.

Mr. Babinaw took out three carloads in 1936. This was last ore shipped.

Savanic can produce 10,000 per year alone.

General geology (brief)

The ore is coming up in the form of mostly Cuperite, Copper Glance, with some Azurite and Malachite. The ore is made in replacement areas in the faulted lime. Some of these contain as much as 50 tons in a single pocket or Kidney, and will be connected to another variable size pocket by small showings in cracks or small replacement bodies. The whole surrounding area is lime.

Ore occurrence.

Name of property.

Chalcopyrite, Copper Glance, Azurite, and Malachite.

Ore reserve (quantities and values).

History of ownership.

Ore reserve unknown but a very good showing in sight.

The ore that has been shipped has all averaged well over 25% Copper. When last shipments were made extra care in sorting made carload shipments of 35% ore.

There is very little other value in the ore. There is a little silver and very little Gold.. These values are too low to count on.

Accessory metals of value.

None

Production history.

Development work done.

A working shaft of 190 feet is in good shape equiped with hoist and power unit for same.

From this shaft are two levels showing ore in all the workings.

Roads for last half mile down into the mine have all been washed away.

The only building yet standing is hardly usable.

General location (series)

Plants (with capacity) already on property.

No plant.

Note

IT WILL ONLY TAKE TWO WEEKS TO GET THIS PROPERTY INTO PRODUCTION. IF I MADE THE STATEMENT IN THE LAST QUESTIONAIR OF ONE YEAR IT WAS A MISTAKE.

As soon as machinery such as air Compressor etc can be put in production can start from first shift.

THIS MINE NEEDS ABOUT \$10,000.00 to get things going.

Road Program 2, 1941

Date June 11, 1941

Signed *R. Rogers*

Arizona Department of Mineral Resources, Capitol Building, Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property... Savanic Mine

Location... Ten miles north of Lake Mead, Fifteen miles from Nevada State Line ..

Ownership... Louis R. Lund ... sold to William Rogers on Bond and Lease

Name of Manager... William E. Rogers

Post Office address... Box 698 Saint George, Utah

Copper production (pounds) during each of the past five years:

1936... 80 tons ore (34 %) .. 1937... 40 tons ore (32 %) .. 1938.....

..... 1939..... 1940.....

1941 rate of copper production based upon first four months... Mine not operating ..

How much copper could this property produce annually

..... on a 14 cent price?

..... on a 16 cent price? 10,000 tons of 25 % ore ...

..... on an 18 cent price?

..... on a 20 cent price?

500,000

What price copper is necessary for this property? ... 16 .. cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured?

..... a 16 cent price could be assured? Regular mining equipment (no equipment now) ..

..... 18 cent price?

..... 20 cent price?

For what length of time would assurance of price and sale of full production be necessary? ... One year

(Over)

B-8

How long would it take, after financing has been provided for, before production on the above basis could be reached? ... Sixty days. (Small production from start.)...

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? No.....

If not, do you believe that your company would be amenable and agreeable to government financing? Yes.....

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? Yes.....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes.....

If I were properly financed, I could bring this property into production of a... few tons per day (probably 10 tons 25 % ore) within two weeks. This and two .. properties that are right close would together have a possible production of ... 125 tons per day of 25 % ore. The only thing that is keeping these properties from .. producing at present is road conditions. The road conditions are also the reason for an impossible transportation cost. The road to this one property can be built .. in a good hauling condition for not more than \$2,000.00 (two thousand dollars)

What would be your ideas on financing and carrying out such a plan as is indicated by these questions?.... There is no reason why an amount of the shipment (or Percent) cannot be deducted right at the smelter, to be applied on the money advanced on .. property. Personally I would be willing to turn 25 % of the net smelter receipts to some such agency as could be provided to advance money to put this property into operation.....

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.. The Grand Gulch Copper Mine located five miles from property above mentioned is a very good mine , and can produce if cleaned up at least 35 tons per day of 25 % copper..... Copper Mountain 35 miles from Savanic can be made to produce 40 tons per day of 30 % Copper.....

These mines all produced during last worlds war, and were abandoned during the era of 5 and 6 cent copper.. The roads as were used then are washed away.

There are four good mines here in a small area that are capable of ... producing 150 tons per day of 25 % copper, with proper financing. I would say that a total finance of \$75,000.00 would be adequate for roads, machinery and all.

Date June 5, 1941..... Signed..... William Rogers.....

B-9

June 9, 1941

Mr. William E. Rogers
Box 698
St. George, Utah

Dear Mr. Rogers:

I am in receipt of your questionnaire regarding the Savanic Mine and we note that you could produce 10,000 tons of 25% ore if the price was 16¢ per pound. The one piece of information that you failed to give us and which is very important is the estimated cost of plant facilities necessary to make that production. We would greatly appreciate data on that subject as the government would want to know the cost of getting into operation.

There is one thing, however, that I do not understand and that is if only regular mining equipment were necessary, why it would take one year to get into production. That would indicate that considerable development work is necessary and it is not our idea to include within this report the mines in which development work is required. That report will come later.

Am I to assume that the report that you sent marked for the Savanic Mine includes the Grand Gulch and Copper Mountain, and that from all of these properties put together you could produce 10,000 tons of 25% ore?

Included within this report we anticipate putting a brief description of the properties which will be listed as potential producers. In order to have these brief reports uniform in their contents we have gotten up another questionnaire showing the points we want to cover, and it will be greatly appreciated if you will fill in one of these questionnaires for the Savanic Mine and return it to us.

Thanking you for an early reply, and with kindest personal regards,
I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

B-10

June 17, 1941

Mr. William E. Rogers
St. George, Utah

Dear Mr. Rogers:

I want to thank you for the final questionnaire on the Savanic Mine. This gives us the complete data for our report relative to that property.

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP

I hold the four copper
properties mentioned in Data
under option, and am trying
to work out some way to
finance & operate all
under one head.

W. Rogers

*Emilio P. Lunt
Mexico*



Dept of Mineral Resources
State of Arizona
304 Home Building Bldg
Phoenix
Ariz

B-14