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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 07-20-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: RAINBOW 1 TO 7

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 808

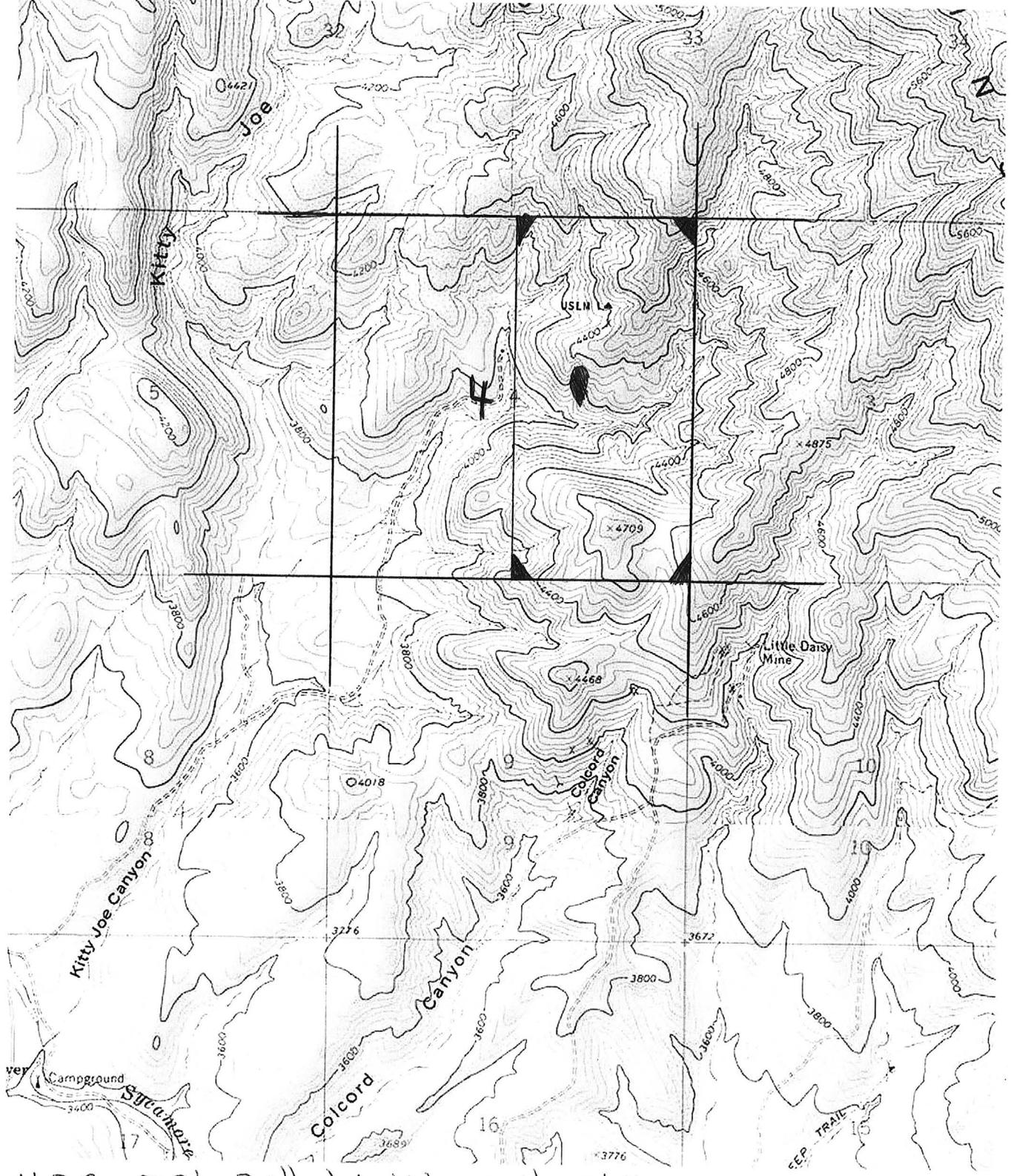
LOCATION: TOWNSHIP 6 N RANGE 9 E SECTION 4 QUARTER E
LATITUDE: N 33DEG 53MIN 30SEC LONGITUDE: W 111DEG 26MIN 24SEC
TOPO MAP NAME: RENO PASS 7.5 - MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
GOLD LODE
SILVER
LEAD
VANADIUM

BIBLIOGRAPHY:
ADMMR RAINBOW 1 TO 7 MINE FILE

Reno Pass - 7.5 min



N 33 53' 30" W 111 26' 24"

Rainbow 1 to 7

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 1/8/40

Mine Rainbow 1 to 7 ✓
District sunflower
Former name
Owner Rainbow Mining & Milling Co
Operator
President A. O. Richardson ✓
Mine Supt. R. B. Borkel Tenpe Ariz
Principal Metals Gold Silver Lead
Production Rate Vanadium
Power: Amt. & Type
Operations: Present none

Location on the southwestern
slope of mt Ord in Maricopa
county about 75 miles
Address northeast of Phoenix
Address
Gen. Mgr.
Mill Supt.
Men Employed
Mill: Type & Cap.

Operations Planned ^{DEVELOPE} sink to 400' or 500' and drift to
Dipstate and Black out ore for mill also
good sight for a tunnel but would be
a longer distance to reach the ore body
Number Claims, Title, etc. 7 Location of the same and are
Recorded in the Recorder office at Phoenix
Ward has been kept up to date

Description: Topog. & Geog.

Mine Workings: Amt. & Condition location on all claims also a
Incline shaft 85' also one tunnel 85' which is on
a Quartz ledge 20' wide
one tunnel 66' which shows Quartz at the Face

(over)

Geology & Mineralization

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

Ore: Positive & Probable, Ore Dumps, Tailings

We believe with the development we will have a ore Body of a large size when we have sunk to 300' or 400' which is our intention or do if we can raise enough money to do the same

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

East of mesa to the Stewart Mt Dan road to Stewart Dan then the Bush Highway to Calcard store a fairly good Road then north east up the Kitty Joe

Water Supply

wash to mine

Brief History

there is a Domestic well at camp there is also 2 Big Spring on the Property but would have to be cleaned out & walled up

Special Problems, Reports Filed

Remarks

We have assay from \$180 to \$21000 which is from seams that have come up from below and which is what we are going to follow down to the Dykes below

If property for sale: Price, terms and address to negotiate.

Will sell

A.O. Richardson Juniper Ariz R.R. 1 Box 61

Signed

A.O. Richardson Pres

Use additional sheets if necessary.

Rainbow Mine & Milling Co
Juniper Ariz R.R. 1 Box 61

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 1/8/40

Mine Rainbow 1 to 7

District Sunflower

Former name

Owner Rainbow Mining & Milling Co.

Operator

President A. O. Richardson
R.R.1, Box 61, Tempe, Ariz

Mine Supt.

Principal Metals Gold, silver, lead, vanadium

Production Rate

Power: Amt. & Type

Operations: Present None

Location On the southwestern slope of
Mt. Bid in Maricopa County about
75 miles northeast of Phoenix

Address

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned Sink to 400' or 500' and drift to develop and block out ore for mill,
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Number Claims, Title, etc. 7-location of the same and are recorded in the Recorder's office
at Phoenix. Work has been kept up to date

Description: Topog. & Geog.

Mine Workings: Amt. & Condition Location on all claims; also an incline shaft 85'; also
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Geology & Mineralization

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Mine, Mill Equipment & Flow Sheet

Road Conditions, Route East of Mesa to the Stewart Mt. Dam road to Stewart Dam, then the Bush Highway to Calcard store, a fairly good road, then northeast up the Kitty Joe wash to mine

Water Supply There is a domestic well at camp; there are also 2 big springs on the property, but would have to clean out and wall up

Brief History

Special Problems, Reports Filed

Remarks We have assay from \$1.80 to \$2.10 which is from seams that have come up from below and which is what we are going to follow down to the dykes below.

If property for sale: Price, terms and address to negotiate.

Will sell A. O. Richardson, Tempe, Ariz. R.R.1, Box 61

Signed..... A. O. Richardson, Pres.
Rainbow Mining & Milling Co.

Use additional sheets if necessary.

Tempe, Ariz. R. 1, Box 61

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date 1/8/40

1. Mine **Rainbow 1 to 7**
2. Location **On the southwestern slope of Mt. Bid in Maricopa County about 75 miles northeast of Phoenix.**
3. Mining District & County **Sunflower**
4. Former name
5. Owner **Rainbow Mining & Milling Co.**
6. Address (Owner)
7. Operator
8. Address (Operator)
9. President, Owing Co. **A. O. Richardson**
- 9A. President, Operating Co.
10. Gen. Mgr. **R. R. 1, Box 61, Tempe Ariz.**
14. Principal Minerals **Gold, Silver, lead, Vanadium**
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type
18. Operations: Present **None**
19. Operations: Planned **Sink to 400' or 500' and drift to develop and block out ore for mill, also good sight for a tunnel but would be longer distance to reach the ore body.**
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Signature (Signed) **A. O. Richardson Pres.**
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Geology & Mineralization

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STATE OF ARIZONA
MINE OWNER'S REPORT

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We believe with the development we will have an ore body of a large size when we have sunk to 300' or 400', which is our intention to do if we can raise enough money to do the same.

A. Dimensions and Value of Ore body

6. Address (Owner)

Rainbow Mining & Milling Co.

8. Address (Operator)

Mine, Mill Equipment & Flow-Sheet

14. Principal Minerals: Gold, Silver, Lead, Vanadium

15. Production Rate

Road Conditions, Route

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Brief History

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Special Problems, Reports Filed

Remarks

~~XXXX~~

We have assay from \$180 to \$210 which is from seams that have come up from below and which is what we are going to follow down to the dykes below.

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32. Signature (Signed) A. O. Richardson Pres.

- Rainbow Mining & Milling Co.
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24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet

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STATE OF ARIZONA
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DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date Dec. 1944
 Name of Mine Rainbow #1-7"
 Owner or Operator Rainbow Mining + Milling Co
 Address Tempe Ariz
 Mine Location Sunflower Mining District Maricopa Co

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing ; Sale of mine.....;
 Experimental (sampling).....; Owner's occasional trip.....;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 If in distant future check (X) here

EQUIPMENT OPERATED:

| Type | Quantity or Horse Power | Miles or Hours Per Month | Gallons Required Per Month |
|--------------------------|-------------------------|--------------------------|----------------------------|
| Personal Cars | <u>1 car</u> | <u>250</u> | <u>20</u> |
| Light or Service Trucks | | | |
| Ore Hauling Trucks | | | |
| Compressors | | | |
| Other Mine or Mill Eqpt. | | | |

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Fluorine ore

REMARKS:

Operation recommended.
Owner needs 85 more tons or three tons per month

By Chas H. Downing

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 1/8/40

Mine Rainbow 1 to 7

District Sunflower

Location On the southwestern slope of
Mt. Bid in Maricopa County about
75 miles northeast of Phoenix

Former name

Owner Rainbow Mining & Milling Co.

Address

Operator

Address

President A. O. Richardson
R.R.1, Box 61, Tempe, Ariz

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Gold, silver, lead, vanadium

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present None

Operations Planned Sink to 400' or 500' and drift to develop and block out ore for mill, also good sight for a tunnel but would be a longer distance to reach the ore body

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(over)

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Mine, Mill Equipment & Flow Sheet

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Brief History

Special Problems, Reports Filed

Remarks We have assay from \$1.80 to \$210 which is from seams that have come up from below and which is what we are going to follow down to the dykes below.

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Will sell A. O. Richardson, Tempe, Ariz. R.R.1, Box 61

Signed..... A. O. Richardson, Pres.
Rainbow Mining & Milling Co.
Tempe, Ariz. R. 1, Box 61

Use additional sheets if necessary.

COPY OF A
BRIEF REPORT ON THE
MINING CLAIMS
OF THE
RAINBOW MINING & MILLING COMPANY

BY

W. W. WEISSBACH
ENGINEER OF MINES.

LOCATION:

The Rainbow group of mining claims is located about 60 miles N.E. from Phoenix, Arizona, in the Sunflower mining district. Ore is usually hauled to Superior Smelter of the Magma Copper Company, a distance of 90 miles.

ECONOMIC CONDITIONS:

The property is situated about five miles from the Bush Highway with a desert road connecting the highway with the property. Water can be easily developed and plenty of competent labor can be had.

The group consists of seven claims, about 140 acres, as follows:

Rainbow #1 - 7 - inclusive.

GEOLOGY:

The general formation is a primary granite with porphyry dykes intruding. The general strike of the formation is north-east and south-west with a dip of approximately 45° to the S. W. On the surface are outcroppings of quartz oxidized zones carrying the values.

VEINS, ORES, & VALUES:

There have been 4 or 5 veins uncovered, and assays run from \$1.80 for 20 feet of vein up to \$210.00 for picked samples.

DEVELOPMENT:

On the Rainbow #1 a shaft has been sunk, but it has not followed the dyke down. An old arasta had been in operation in the early days. There are also several prospect holes on the vein. On Rainbow #2 a tunnel was run 80 feet to cross out the dyke, but as yet it has not done so. In this tunnel 20 feet of quartz was cross cut which assayed \$1.80, but most values have been dissolved by the manganese. On other claims only prospect holes have been dug.

MINEROLOGY & METALLURGY:

The minerals in the ores are gold and silver, copper is also found. The ore can be treated by plating followed by cyanide or flotation processes.

RECOMMENDATIONS:

The writer recommends the development of this property by sinking the shaft in #1 and cross cutting to dyke. This conclusion was reached after an examination of the adjoining group of claims known as the Little Daisy, and confined after talking to the original developer of the said Little Daisy claims. On these claims a shaft has been sunk and much highgrade has been shipped, both from the 50 ft. and the 100 ft. levels. The vein has opened up to about 9 feet of the very high-grade milling ore, \$17.50 per ton, with highgrade on contact averaging \$60.00 per ton. The developer considers the Rainbow group as a better proposition than the Little Daisy and the Writer concurs in his opinion. Of course, all mining operations must have efficient management, and this is one property that requires just that. Owing to the similarity of formations of both groups and seeing how the veins have widened out in the Little Daisy, I see no reason why the same if not better results cannot be obtained on the Rainbow group.

CONCLUSIONS:

The Rainbow group is worthy of development and should become a big producer.

Respectfully submitted,

W. W. Weissbach E. M.

EXHIBIT A

RAINBOW MINING & MILLING COMPANY

4. HISTORY, MANAGEMENT, ETC.

The mining property was located March 4, 1934. At that time there was an incline shaft on this property about 65 feet, which is full of water and also an arraster and some work done north of the incline where they took the ore to arraster. There is a small ledge about 10" to 12" wide here that assays about \$12.60 gold. To the north of the incline shaft there is ore showing about 100-ft. 3 ft. to 8" in width. There are 7 claims located and recorded as follows, viz:

- Claim No. 1, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 433. Amended and recorded June 22, 1935 in Book 39 at page 155.
- Claim No. 2, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 434.
- Claim No. 3, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 435.
- Claim No. 4, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 436.
- Claim No. 5, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 437.
- Claim No. 6, located April 25, 1935, recorded June 22, 1935 in Book 39 of Mines at page 156.
- Claim No. 7, located August 10, 1937, recorded Nov. 17, 1937 in Book 40 of Mines at page 205.

All recorded in the office of the County Recorder of Maricopa County, Phoenix, Arizona.

The location work was done in the spring of 1934 by A. O. Richardson, L. E. Miller and A. B. Sims. They then did about three weeks of road work. In the summer they started a tunnel which they ran for 80 feet on #2 claim in a quartz ledge about 20 feet wide, then drifted to the foot wall, then to the hanging wall. We do not believe we were far enough in the hill to pick up the ledge that runs high in free gold and hemetite.

Claim #3 lays to the west of #2 and has a quartz ledge, but as yet has shown no high grade ore. Camp is located on this claim, consisting of a tent and some cooking utensils and a shallow well.

Claim #6 is to the north east of #1, joining it on the end. At the edge of the bluff there is an out cropping of quartz and there are 2 or 3 small dykes in a northeasterly to southwesterly direction. That is why we believe that to the northeast of the incline is where the main dyke is located.

Claim #7 is located southeast of #1 and #6 claims and joins #4 and #5 on the southwest but does not show any ledges on the surface.

Claim #4 is the southeasterly claim of the group and it is mostly copper out croppings.

Claim #5 joins #4 on the northeasterly end, is the northeasterly claim of the group. There is a large ledge on #5 that runs almost northerly and southerly direction and we believe, runs south to two properties southerly that are developing. One is the New Year Gift and the other is the Arizona Comstock Gold Co. All of the location work has been done on these claims and the assessment work has been done when specified by law. We have filed exemption two years and last June we commenced annual work and ran a tunnel for 20 feet. A. B. Sims gave a quit claim deed to A. O. Richardson, of the portion belonging to him, which is recorded in the County Recorder's Office, Maricopa County, Arizona.

This property has not involved in Receivership, reorganization proceedings, or bankruptcy, nor has there been any assignment for the benefit of, or effected a compromise with creditors.

EXHIBIT B.

RAINBOW MINING & MILLING COMPANY

TECHNICAL DATA:

D. PROPOSED DEVELOPMENT.

1. We expect to put hoist on incline shaft and take the water out which is surface or rain water, put and go to the bottom and drift to the north along the ledge to the dyke, and then sink to the 400 or 500 ft. level and drift to the southeasterly where, we believe, the main ore dyke lays, or under #5. Shipping of ore is \$6.00 to Superior, Arizona smelter. I believe the cost will be about \$4.00 per ton, depending on the ore, and size of the ledge.

2. There has been no production but we would like to be able to do 50 ton per day.

3. Workings will be dry until we get down level with the creek on the northerly and southerly directions.

EXHIBIT B

RAINBOW MINING & MILLING COMPANY

TECHNICAL DATA:

G. POWER

Gasoline or diesel. The mine has not been in operation.

H. COST

The mine has not been in operation and we estimate that after one year of development work, it will be running approximately 50 ton per day.

EXHIBIT A

RAINBOW MINING & MILLING COMPANY

4. HISTORY, MANAGEMENT, ETC.

The mining property was located March 4, 1934. At that time there was an incline shaft on this property about 65 feet, which is full of water and also an arraster and some work done north of the incline where they took the ore to arraster. There is a small ledge about 10" to 12" wide here that assays about \$12.60 gold. To the north of the incline shaft there is ore showing about 100 ft. 3 ft. to 8" in width. There are 7 claims located and recorded as follows, viz:

Claim No. 1, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 433. Amended and recorded June 22, 1935 in Book 39 at page 155.

Claim No. 2, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 434.

Claim No. 3, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 435.

Claim No. 4, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 436.

Claim No. 5, located Mar. 4, 1934, recorded July 18, 1934 in Book 38 of Mines at page 437.

Claim No. 6, located April 25, 1935, recorded June 22, 1935 in Book 39 of Mines at page 156.

Claim No. 7, located August 10, 1937, recorded Nov. 17, 1937 in Book 40 of Mines at page 205.

All recorded in the office of the County Recorder of Maricopa County, Phoenix, Arizona.

The location work was done in the spring of 1934 by A. O. Richardson, L. E. Miller and A. B. Sims. They then did about three weeks of road work. In the summer they started a tunnel which they ran for 80 feet on #2 claim in a quartz ledge about 20 feet wide, then drifted to the foot wall, then to the hanging wall. We do not believe we were far enough in the hill to pick up the ledge that runs high in free gold and hematite.

Claim #3 lays to the west of #2 and has a quartz ledge, but as yet has shown no high grade ore. Camp is located on this claim, consisting of a tent and some cooking utensils and a shallow well.

Claim #6 is to the north east of #1, joining it on the end. At the edge of the bluff there is an out cropping of quartz and there are 2 or 3 small dykes in a northeasterly to southwesterly direction. That is why we believe that to the northeast of the incline is where the main dyke is located.

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All recorded in the office of the County Recorder of Maricopa County, Phoenix, Arizona.

The location work was done in the spring of 1934 by A. O. Richardson, L. E. Miller and A. B. Sims. They then did about three weeks of road work. In the summer they started a tunnel which they ran for 30 feet on #2 claim in a quartz ledge about 20 feet wide, then drifted to the foot wall, then to the hanging wall. We do not believe we were far enough in the hill to pick up the ledge that runs high in free gold and hemetite.

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COPY OF A

BRIEF REPORT ON THE

MINING CLAIMS

OF THE

RAINBOW MINING & MILLING COMPANY

BY

W. W. WEISSBACH
ENGINEER OF MINES.

LOCATION:

The Rainbow group of mining claims is located about 60 miles N.E. from Phoenix, Arizona, in the Sunflower mining district. Ore is usually hauled to Superior Smelter of the Magna Copper Company, a distance of 90 miles.

ECONOMIC CONDITIONS:

The property is situated about five miles from the Bush Highway with a desert road connecting the highway with the property. Water can be easily developed and plenty of competent labor can be had.

The group consists of seven claims, about 140 acres, as follows:

Rainbow #1 - 7 - inclusive.

GEOLOGY:

The general formation is a primary granite with porphyry dykes intruding. The general strike of the formation is north-east and south-west with a dip of approximately 45° to the S. W. On the surface are outcroppings of quartz oxidized zones carrying the values.

VEINS, ORES, & VALUES:

There have been 4 or 5 veins uncovered, and assays run from \$1.80 for 20 feet of vein up to \$210.00 for picked samples.

DEVELOPMENT:

On the Rainbow #1 a shaft has been sunk, but it has not followed the dyke down. An old arasta had been in operation in the early days. There are also several prospect holes on the vein. On Rainbow #2 a tunnel was run 80 feet to cross out the dyke, but as yet it has not done so. In this tunnel 20 feet of quartz was cross cut which assayed \$1.80, but most values have been dissolved by the manganese. On other claims only prospect holes have been dug.

MINEROLOGY & METALLURGY:

The minerals in the ores are gold and silver, copper is also found. The ore can be treated by plating followed by cyanide or flotation processes.

RECOMMENDATIONS:

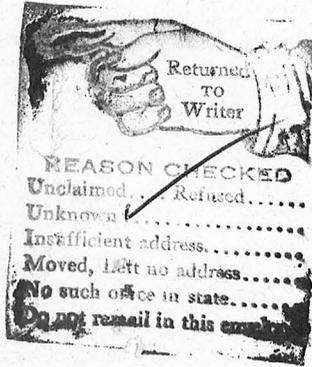
The writer recommends the development of this property by sinking the shaft in #1 and cross cutting to dyke. This conclusion was reached after an examination of the adjoining group of claims known as the Little Daisy, and confined after talking to the original developer of the said Little Daisy claims. On these claims a shaft has been sunk and much highgrade has been shipped, both from the 50 ft. and the 100 ft. levels. The vein has opened up to about 9 feet of the very high-grade milling ore, \$17.50 per ton, with highgrade on contact averaging \$60.00 per ton. The developer considers the Rainbow group as a better proposition than the Little Daisy and the Writer concurs in his opinion. Of course, all mining operations must have efficient management, and this is one property that requires just that. Owing to the similarity of formations of both groups and seeing how the veins have widened out in the Little Daisy, I see no reason why the same if not better results cannot be obtained on the Rainbow group.

CONCLUSIONS:

The Rainbow group is worthy of development and should become a big producer.

Respectfully submitted,

W. W. Weissbach E. M.



Mr. A. O. Richardson
R.R. 1, Box 61
Tempe, Arizona

7/14/58

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

July 11, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Rainbow 1 to 7 (Maricopa County) gold, silver, lead, vanadium
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

RAINBOW 1 to 7

Au, Ag, Pb

Maricopa

7 - 2

T 8 N, R 9 E

Sec 4

A.O. Richardson, R.R. 1, Box 61, Tempe

'44

3027#

EAST

WEST

NORTH

