

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey Number
4578

State
Arizona

Land District
Arizona

FIELD NOTES

Of the Survey of the Mining Claim of *(Name & address of Claimant)*

John Philip Zannaras
Constantine Philip Zannaras
John Pierce Robinson

Congress, Arizona

Known as the *(Name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

| NAME OF LOCATION | DATE | |
|---------------------|---------|---------|
| | LOCATED | AMENDED |
| Mineral Dyke No. 2 | 3/8/53 | 9/2/61 |
| Mineral Dyke No. 3 | 3/8/53 | 9/2/61 |
| Mineral Dyke No. 4 | 3/8/53 | 9/2/61 |
| Mineral Dyke No. 20 | 6/1/53 | 9/2/61 |
| Mineral Dyke A | 2/26/55 | 9/2/61 |
| Mineral Dyke M | 1/30/56 | 9/2/61 |
| Mineral Dyke L | 1/30/56 | 9/2/61 |

| | | |
|---------------------------|-------------------|--------------------------|
| Mining District Eureka | County Yavapai | Section 19, 25 and 30 |
|---------------------------|-------------------|--------------------------|

| | | | |
|-------------------|----------------------|-------------------------------|---|
| Township 14 N. | Range 9 and 10 W. | Meridian Gila & Salt River | Surveyed under order dated Sept. 7, 1961 |
|-------------------|----------------------|-------------------------------|---|

| | | |
|-----------------------------------|----------------------------------|--|
| Survey commenced Sept. 8, 1961 | Survey completed Oct. 6, 1961 | Name of Mineral Surveyor Richard L. Merritt |
|-----------------------------------|----------------------------------|--|

1913

Arizona

Arizona

Arizona

Arizona

| Section | Range | County | Remarks |
|---------|-------|---------|---------|
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |
| 36/36 | 36/36 | Yavapai | |

Section 19,
T2S and 30

Yavapai

Arizona

Surveyed under other date
Sept. 7, 1901

State of Arizona

Yavapai

Arizona

Richard L. Karpis

Sept. 7, 1901

~~Chains~~
Feet

This survey was made with a Burger transit No. 17503 with horizontal limb 5 1/8 ins. diam., having two double verniers and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc; a prismatic eyepiece with colored glass was attached to the eyepiece of the transit for making direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in the record were determined by the method of deflection angles referred to the meridian determined by direct observation on the sun.

September 20, 1961, at cor. No. 3 of the Mineral Dyke A lode, in latitude 34° 31' N., and longitude 113° 14' W., turning from cor. No. 2 of the Mineral Dyke A lode to the right to the sun.

True bearing of line 3-2 of Mineral Dyke A lode
-- N. 25° 02' E.

The lines were measured with a Lufkin steel tape 300 ft. in length, graduated every foot, the first and last foot being graduated to tenths and hundredths; the tape was compared with a Lufkin standard tape at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods. The magnetic declination observed at each corner of the survey gave a uniform value of 15° 30' E.

MINERAL DYKE NO. 4 LODE

At cor. No. 1 of the Mineral Dyke No. 4 lode.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD4-1 4578; from which

The northwest cor. set. 30, T. 14 N., R. 9 W., Gila and Salt River Meridian, bears N. 13° 34' E., 235.1 ft. dist., an iron post, marked and witnessed as described in the official record.

Thence N. 74° 50' E.

304.595 Lode line; discovery point bears S. 5° 12' E., 600 ft. dist.

609.19 Cor. No. 2.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD4-2 4578.

Thence S. 5° 12' E.

890.0 Center of wash, 10 ft. wide, course S. 62° E.

1500.0 Cor. No. 3.

On line 2-3 Mineral Dyke No. 3 lode of this survey.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD4-3 4578.

Thence S. 74° 50' W.

25.0 Cor. No. 2 Mineral Dyke No. 3 lode of this survey.

304.595 Lode line; discovery point bears N. 5° 12' W., 900 ft. dist.

609.19 Cor. No. 4.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the

3

Survey No. 4578

2.

| Other Feet | |
|------------|--|
| | ground, mkd. MD4-4 4578. |
| | Thence N.5°12' W. |
| 1500.0 | Cor. No. 1, and place of beginning. |
| | MINERAL DYKE NO. 3 LODE |
| | At cor. No. 1 of the Mineral Dyke No. 3 lode. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins in the ground, mkd. MD3-1 4578; from which |
| | The west one quarter corner sec. 30, T.14 N., R.9 W., Gila and Salt River Meridian, bears S.57°15'25" W., 876.03 ft. dist., an iron post marked and witnessed as described in the official record. |
| | Thence N.8°47' W. |
| 301.87 | Lode line; discovery point bears N.74°50' E., 900 ft. dist |
| 603.74 | Cor. No. 2. |
| | On line 3-4 Mineral Dyke No. 4 lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD3-2 4578. |
| | Thence N.74°50' E. |
| 25.0 | Cor. No. 3 Mineral Dyke No. 4 lode of this survey. |
| 526.0 | Center of wash, 15 ft. wide, course S.50° E. |
| 896.26 | Cor. No. 3, Mineral Dyke L lode of this survey. |
| 951.0 | Center of wash, 15 ft. wide, course S.15° W. |
| 1500.0 | Cor. No. 3. |
| | On line 1-2 Mineral Dyke L lode of this survey, and line 3-4 Mineral Dyke M lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD3-3 4578. |
| | Thence S. 8°47' E. |
| 70.0 | Center of wash, 5.0 ft. wide, course S.30° W. |
| 301.87 | Lode line, discovery point bears S.74°50' W., 600 ft. dist |
| 375.92 | Cor. No. 2 Mineral Dyke L lode of this survey. |
| 603.74 | Cor. No. 4, identical with cor. No. 3 Mineral Dyke M lode of this survey. |
| | On line 1-2, Mineral Dyke No. 2 lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD3-4, MDM-3 4578. |
| | Thence S.74°50' W. |
| 180.0 | Center of wash, 10 ft. wide, course S.17° W. |

Survey No. 4578

3.

| Chains Feet | |
|----------------|--|
| 585.99 | Center of wash, 20 ft. wide, course S.42° E. |
| 1235.99 | Cor. No. 1 Mineral Dyke No. 2 lode of this survey. |
| 1500.0 | Cor. No. 1, and place of beginning. |
| | MINERAL DYKE L LODE |
| | At cor. No. 1 of Mineral Dyke L lode. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDL-1 4578; from which |
| | The north one-quarter cor. sec. 30, T. 14 N., R. 9 W., Gila and Salt River Meridian, bears N.73°00'20" E., 686.57 ft. dist., an iron post, marked and witnessed as described in the official record. |
| | A cor. of the location bears N.8°47' W., 133.79 ft. dist. |
| | Thence S.8°47' E. |
| 93.95 | Cor. No. 4 of the Mineral Dyke M lode of this survey. |
| 990.21 | Cor. No. 3 of the Mineral Dyke No. 3 lode of this survey. |
| 1060.21 | Center of wash, 5 ft. wide, course S.30° W. |
| 1366.21 | Cor. No. 2. |
| | On line 3-4 Mineral Dyke M, and on line 3-4 Mineral Dyke No. 3 lodes of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDL-2 4578. |
| | Thence N.71°33' W. |
| 100.0 | Center of wash, 5 ft. wide, course S.5° W. |
| 337.4 | Lode line; discovery point bears N.8°47' W., 300 ft. dist. |
| 634.0 | Center of wash, 15 ft. wide, course S.15° W. |
| 674.8 | Cor. No. 3. |
| | On line 2-3 Mineral Dyke No. 3 lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDL-3 4578; from which |
| | A cedar, 10 ins. diam., bears S.87°32' W., 81.13 ft. dist., mkd. X-MDL-3 4578-BT. |
| | Thence N.8°47' W. |
| 122.0 | Center of wash, 15 ft. wide, course S.43° E. |
| 1330.0 | Center of wash, 30 ft. wide, course S.7° E. |
| 1366.21 | Cor. No. 4. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDL-4 4578; from which |
| | A cedar, 16 ins. diam., bears N.36°49' W., 51.31 ft. dist., mkd. X-MDL-4 4578 BT. |
| | A cor. of the location bears N.8°47' W., 133.79 ft. dist. |

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| | Thence S.71°33' E. |
| 60.0 | Center of wash, 30 ft. wide, course S.75° W. |
| 337.4 | Lode line; discovery point bears S.8°47' E., 1066.21 ft. dist. |
| 674.8 | Cor. No. 1, and place of beginning. |
| | MINERAL DYKE M LODE |
| | At Cor. No. 1 of the Mineral Dyke M lode. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDM-1 4578; from which |
| | The north one-quarter cor. sec. 30, T. 14 N., R. 9 W., Gila and Salt River Meridian, bears N.23°42'25" E., 148.06 ft. dist. |
| | Thence S.8°47' E. |
| 643.0 | Center of road, bears N.71°15' W., and S.71°15' E. |
| 1420.0 | Center of wash, 8 ft. wide, course S.50° W. |
| 1500.0 | Cor. No. 2. |
| | On line 5-6 Mineral Dyke No. 20 lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDM-2 4578. |
| | Thence S.74°50' W. |
| 50.0 | Center of wash, 15 ft. wide, course S.17° E. |
| 301.87 | Lode line; discovery point bears N.8°47' W., 10 ft. dist. |
| 339.73 | Cor. No. 2, Mineral Dyke No. 2, identical with cor. No. 5, Mineral Dyke No. 20 lodes of this survey. |
| 603.74 | Cor. No. 3, identical with cor. No. 4, Mineral Dyke No. 3 lode of this survey. |
| | Thence N.8°47' W. |
| 227.82 | Cor. No. 2, Mineral Dyke L lode of this survey. |
| 533.74 | Center of wash, 5 ft. wide, course S.30° W. |
| 603.74 | Cor. No. 3, Mineral Dyke No. 3 lode of this survey. |
| 1500.0 | Cor. No. 4. |
| | On line 1-2 Mineral Dyke L lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDM-4 4578. |
| | Thence N.74°50' E. |
| 200.0 | Center of road, bears N.59° W., and S.59° E. |
| 301.87 | Lode line; discovery point bears S.8°47' E., 1490 ft. dist. |
| 384.0 | Center of wash, 15 ft. wide, course N.45° W. |

Survey No. 4578

5.

X
Feet

603.74 Cor. No. 1, and place of beginning:

MINERAL DYKE NO. 20 LODE

At cor. No. 1 of Mineral Dyke No. 20 lode.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-20-1 4578; from which

The north one-quarter cor. sec. 30, T.14 N., R.9 W., Gila and Salt River Meridian, bears N.49°01' W., 1137.56 ft. dist.

Thence S.37°09' E.

323.52 Lode line; discovery point bears S.30°52' W., 952.45 ft. dist.

647.04 Cor. No. 2.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-20-2 4578; from which

A cedar, 10 ins. diam., bears N.77°17' W., 36.19 ft. dist., mkd. X-MD-20-2 4578 BT.

Thence S.30°52' W

952.45 Cor. No. 3.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-20-3 4578; from which

A cedar, 4 ins. diam., bears S.9°28' E., 10.35 ft. dist. mkd. X-MD-20-3 4578 BT.

Thence S.74°50' W.

547.55 Cor. No. 4, identical with cor. No. 3 Mineral Dyke No. 2 lode of this survey.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground mkd. MD-20-4, MD-2-3 4578

Thence N.37°09' W.

128.04 Center of wash, 12 ft. wide, course S.36° W.

323.52 Lode line; discovery point bears N.74°50' E., 547.55 ft. dist.

647.04 Cor. No. 5, identical with cor. No. 2, Mineral Dyke No. 2 lode of this survey.

On line 2-3, Mineral Dyke M lode of this survey.

Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-20-5, MD-2-2 4578.

Thence N.74°50' E.

289.73 Center of wash, 15 ft. wide, course S.17° E.

339.73 Cor. No. 2, Mineral Dyke M lode of this survey.

547.55 Cor. No. 6.

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| Feet | <p>Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-20-6 4578.</p> <p>Thence N.30°52' E.</p> <p>952.45 Cor. No. 1, and place of beginning,</p> <p>MINERAL DYKE NO. 2 LODE</p> <p>At cor. No. 1 of the Mineral Dyke No. 2 lode.</p> <p>On line 4-1 Mineral Dyke No. 3 lode of this survey.</p> <p>Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground mkd. MD-2-1 4578; from which</p> <p>The West one-quarter cor. sec. 30, T.14 N., R.9 W., Gila and Salt River Meridian, bears S.61°18'05" W., 1130.52 ft. dist.</p> <p>Thence N.74°50' E.</p> <p>650.0 Center of wash, 20 ft. wide, course S.42° E.</p> <p>1055.99 Center of wash, 10 ft. wide, course S.17° W.</p> <p>1235.99 Cor. No. 4 Mineral Dyke No. 3, identical with cor. No. 3 Mineral Dyke M lodes of this survey.</p> <p>1500.0 Cor. No. 2, identical with cor. No. 5 Mineral Dyke No. 20 lode of this survey.</p> <p>Thence S.37°09' E.</p> <p>323.52 Lode line; discovery point bears S.74°50' W., 900 ft. dist.</p> <p>519.0 Center of wash, 12 ft. wide, course S.36° W.</p> <p>647.04 Cor. No. 3, identical with cor. No. 4 Mineral Dyke No. 20 lode of this survey.</p> <p>Thence S.74°50' W.</p> <p>178.0 Center of wash, 12 ft. wide, course S.17° W.</p> <p>909.0 Center of road, bears N.33° W., and S. 33° E</p> <p>1003.0 Center of wash, 20 ft. wide, course S.21° E.</p> <p>1278.57 Cor. No. 2, Mineral Dyke A lode of this survey.</p> <p>1500.0 Cor. No. 4.</p> <p>On line 1-2 Mineral Dyke A lode of this survey.</p> <p>Set an iron pipe 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD-2-4 4578.</p> <p>Thence N.37°09' W.</p> <p>323.52 Lode line; discovery point bears N.74°50' E., 600 ft. dist.</p> <p>647.04 Cor. No. 1, and place of beginning.</p> <p>MINERAL DYKE A LODE</p> <p>At cor. No. 1 of the Mineral Dyke A lode.</p> |
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| | At. cor. No. 1 of the Mineral Dyke A lode. |
| 18.41 | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MD A-1 4578; from which |
| | The West one-quarter cor. sec. 30, T.14 N., R.9 W., Gila and Salt River Meridian bears N.81°49'15" W., 846.54 ft. dist. |
| | A cedar, 10 ins. diam., bears S.59°12' E., 9.47 ft. dist., mkd. X-MDA-1 4578 BT. |
| | Thence N.74°50' E. |
| 10.0 | Center of wash, 4 ft. wide, course S.50° E. |
| 392.77 | Lode line; discovery point bears S.25°02' W., 750 ft. dist. |
| 564.11 | Cor. No. 4 Mineral Dyke No. 2 lode of this survey. |
| 785.54 | Cor. No. 2. |
| | On line 3-4 Mineral Dyke No. 2 lode of this survey. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDA-2-4578. |
| | Thence S.25°02' W. |
| 557.0 | Center of wash; 6 ft. wide, course S.35° E. |
| 584.0 | Center of wash, 8 ft. wide, course N.82° E. |
| 1400.0 | Center of wash, 22 ft. wide, course S.78° E. |
| 1500.0 | Cor. No. 3. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground, mkd. MDA-3 4578. |
| | Thence S.74°50' W. |
| 230.0 | Center of wash, 10 ft. wide, course S.70° E. |
| 392.77 | Lode line, discovery point bears N.25°02' E., 750 ft. dist. |
| 492.77 | Center of wash, 10 ft. wide, course N.37° E. |
| 785.54 | Cor. No. 4. |
| | Set an iron pipe, 2 ft. long, 1 in. diam., 18 ins. in the ground mkd., MDA-4 4578; from which |
| | A cedar, 4 ins. diam., bears N.59°21' W., 52.98 ft. dist., mkd. X-MDA-4 4578 BT. |
| | Thence N.25°02' E |
| 1500.0 | Cor. No. 1, and place of beginning. |

Chains

AREAS

Acres

| | |
|--|--------|
| Total area, Mineral Dyke No. 4 lode | 20.661 |
| Total area, Mineral Dyke No. 3 lode | 20.661 |
| Total area, Mineral Dyke L lode | 18.818 |
| Area in conflict with | |
| Mineral Dyke No. 3 lode of this survey | 2.589 |
| Total area, Mineral Dyke M lode | 20.661 |
| Total area, Mineral Dyke No. 20 lode | 20.661 |
| Total area, Mineral Dyke No. 2 lode | 20.661 |
| Total area, Mineral Dyke A lode | 20.661 |

LOCATION

This survey is located in the NE $\frac{1}{4}$ sec. 25, T.14 N., R.10 W., and the SW $\frac{1}{4}$ sec. 19; NW $\frac{1}{4}$, SW $\frac{1}{4}$ and NE $\frac{1}{4}$ sec. 30, T.14 N., R.9 W., Gila and Salt River Meridian.

The survey of all lodes of this survey, excepting the north location monuments of Mineral Dyke L lode, is identical with the respective location or amended location as marked on the ground. The location monuments at the corners of each lode were rebuilt alongside of the pipes set.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim, by the claimants or their grantors are as follows:

- No. 1 The discovery of Mineral Dyke No. 4 lode is on the lode line S.5°12' E., 600 ft. from the center of line 1-2.
No value.
- No. 2 A trench, the north end of which bears S.32°55' W., 525 ft. from cor. No. 2 of the Mineral Dyke No. 4 lode, 10 ft. wide, 5 ft. deep, running S.17° W. 40 ft.
Value, \$240.
- No. 1 The discovery of the Mineral Dyke No. 3 lode is on the lode line, N.74°50' E., 900 ft. from the center of line 1-2.
No value.
- No. 2 A trench, the south end of which bears N.84°20' E., 630 ft. from cor. No. 2 of the Mineral Dyke No. 3 lode, 7 ft. wide, 5 ft. deep, running N. 25° E., 102 ft.
Value, \$400.
- No. 3 A trench, the north end of which bears S.84°40' W., 635 ft. from cor. No. 4 of the Mineral Dyke No. 3 lode, 7 ft. wide, 5 ft. deep, running S. 50 ft.
Value, \$225.
- No. 1 The discovery of the Mineral Dyke L lode is on the lode line, N.8°47' W., 300 ft. from the center of line 2-3.
No value.
- No. 2 A shaft, the center of which bears S.2°15' E., 265 ft. from cor. No. 1 of the Mineral Dyke L lode, 16 x 6 ft., 6 ft. deep.
Value, \$100.
- No. 3 A trench, the south end of which bears N.16°45' W., 474 ft. from a point on line 1-2 of the Mineral Dyke L lode, said point bears S.8°47' E. 990.21 ft. from cor. No. 1 of Mineral Dyke L lode, 10 ft. wide, 5 ft. deep, running N. 36 ft.
Value, \$200.

| Chains | |
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| No. 1 | The discovery of the Mineral Dyke M lode is on the lode line, S.8°47'E., 1490 ft. from the center of line 4-1. No value. |
| No. 2 | A trench, the north end of which bears S.37°30'W., 665 ft. from cor. No. 1 of the Mineral Dyke M lode, 5 ft. wide, 5 ft. deep, running S.30°W., 22 ft. Value, \$70. |
| No. 3 | A trench, the west end of which bears S.22°W., 617 ft. from cor. No. 1 of the Mineral Dyke M lode, 6 ft. wide, 5 ft. deep, running East 30 ft. Value, \$100. |
| No. 4 | A shaft, the center of which bears N.38°15'W., 1094 ft. from cor. No. 2 of the Mineral Dyke M lode, 5 x 5 ft., 6 ft. deep. Value, \$50. |
| No. 1 | The discovery of the Mineral Dyke No. 20 lode is on the lode line, N.74°50'E., 547.55 ft. from the center of line 4-5. No value. |
| No. 2 | A trench, the east end of which bears N.39°20'E., 454 ft. from cor. No. 6 of the Mineral Dyke No. 20 lode, 10 ft. wide, 1 ft. deep, running West 65 ft. Value, \$75. |
| No. 3 | A trench, the east end of which bears N.41°15'E., 305 ft. from cor. No. 6 of the Mineral Dyke No. 20 lode, 10 ft. wide, 1 ft. deep, running West 50 ft. Value, \$60. |
| No. 4 | A trench, the east end of which bears N.75°15'E., 182 ft. from cor. No. 6 of the Mineral Dyke No. 20 lode, 6 ft. wide, 5 ft. deep, running West 48 ft. Value, \$150. |
| No. 5 | A shaft, the center of which bears N.87°30'E., 380 ft. from cor. No. 6 of the Mineral Dyke No. 20 lode, 6 x 7 ft., 6 ft. deep. Value, \$50. |
| No. 6 | A shaft, the center of which bears N.24°55'E., 465 ft. from cor. No. 4 of the Mineral Dyke No. 20 lode, 8 x 10 ft., 5 ft. deep. Value, \$100. |
| No. 1 | The discovery of the Mineral Dyke No. 2/lode is on the lode line, N.74°50'E., 600 ft. from the center of line 4-1. No value. |
| No. 2 | An interest in a common improvement described as follows: A drill hole, the center of which bears N.58°30'E., 565 ft. from cor. No. 4 of the Mineral Dyke No. 2 lode, 2 ins. diam., 297 ft. deep. Value, \$1190. Value of one-seventh interest, \$170. Except as above stated, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode. |
| No. 3 | An interest in a common improvement described as follows: A drill hole, the center of which bears N.50°10'E., 571 ft. from cor. No. 4 of the Mineral Dyke No. 2 lode, 2 ins. diam., 285 ft. deep. Value, \$1120. Value of one-seventh interest, \$160. |

Chains

These improvements are in the course of construction for the development of the seven lodes of this survey, all contiguous lode claims, and a one-seventh interest of each of these two common improvements is credited to each lode of this survey, the purpose of the drill holes being the location of the ore bodies, and from the information obtained, a method of mining the entire group will be developed.

Except as above stated, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode.

No. 4 A trench, the north end of which bears S.87°06'W., 983 ft. from cor. No. 3 of the Mineral Dyke No. 2 lode, 8 ft. wide, 5 ft. deep, running South 24 ft.

Value, \$100.

No. 1 The discovery of the Mineral Dyke A lode is on the lode line, S. 25°02'W., 750 ft. from the center of line 1-2.

No value.

No. 2 A trench, the west end of which bears N.52°30'E., 751 ft. from cor. No. 4 of the Mineral Dyke A lode, 7 ft. wide, 5 ft. deep, running N.70°E., 16 ft.

Value, \$60.

No. 3 A trench, the west end of which bears N.49°55'E., 760 ft. from cor. No. 4 of the Mineral Dyke A lode, 7 ft. wide, 4 ft. deep, running N.80°E., 84 ft.

Value, \$250.

No. 4 A trench, the south end of which bears N.15°30'W., 315 ft. from cor. No. 3 of the Mineral Dyke A lode, 12 ft. wide, 4 ft. deep, running North 24 ft.

Value, \$120.

No. 5 A shaft, the center of which bears N.12°35'W., 311 ft. from cor. No. 3 of the Mineral Dyke A lode, 5 x 6 ft., 9 ft. deep.

Value, \$100.

No. 6 A trench, the west end of which bears S.2°20'E., 150 ft. from cor. No. 1 of the Mineral Dyke A lode, 6 ft. wide, 5 ft. deep, running N.50°E., 30 ft.

Value, \$120.

No. 7 An interest in a common improvement described as follows:

A drill hole, the center of which bears N.11°29'E., 72.82 ft. from cor. No. 3 of the Mineral Dyke A lode, 2 ins. diam., 152 ft. deep.

Value, \$609.

Value of one-seventh interest, \$87.

This improvement is in the course of construction for the development of the seven lodes of this survey, all contiguous lode claims, and a one-seventh interest of this common improvement is credited to each lode of this survey, the purpose of the drill hole being the location of the ore body, and from the information obtained, a method of mining the entire group will be developed.

Except as above stated, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode.

OTHER IMPROVEMENTS

None.

Chains

11.11.11

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None

FIELD ASSISTANTS

| Name | Capacity |
|-------------------|----------|
| J. D. Bowers | Chainman |
| J. D. Bowers, Jr. | Chainman |
| Joe Matli | Chainman |

Chains

Chains

OTHER CORNER DESCRIPTIONS AND SUGGESTIONS

Notes

FIELD ASSISTANTS

Surveyor

Name

Station

1. 1. 1. 1. 1.

Station

2. 2. 2. 2. 2.

Station

3. 3. 3. 3. 3.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

25 September, 1961

I, Richard L. Merritt,
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the office
of Cadastral Engineer, at Phoenix, Arizona

dated 7 September 1961, I have faithfully and correctly executed the survey of

the mining claim of John Philip Zannaras, Constantine Philip Zannaras and John Pierce Robinson Jr

known as the Mineral Dyke No. 2 Mineral Dyke No. 4 Mineral Dyke A
Mineral Dyke No. 3 Mineral Dyke No. 20 Mineral Dyke M Lodes,
(Lode, placer, or mill site) Mineral Dyke L

situate in Eureka Mining District, Yavapai County, Arizona

T. 14 N., R. 9 and 10 W., G. and S.R.M. Meridian, Arizona, and
(State)

designated as Survey No. 4578, which is represented in the foregoing field notes as having been
executed by me and under my direction, and that said survey has been made in strict conformity with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by
(Lode or placer)

claimant(s) or their grantors are fully stated in my report therein, and that the character,
extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no
portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Prescott, Arizona
(Place)

Richard L. Merritt
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office
(Office)
Phoenix, Arizona December 5, 1961
(Place) (Date)

The foregoing field notes of mineral survey No. 4578, in Eureka Mining District
NE 1/4, Sec. 25 14 N. 10 W.
N 1/2 & SW 1/4, Sec. 30, T. 14 N., R. 9 W., G. & S. R. Meridian,
SW 1/4, Sec. 19 14 N. 9 W.
Arizona, executed by Richard L. Merritt, Mineral Surveyor,
(State)

under order dated September 7, 1961, having been critically examined and the necessary
corrections made prior to their certification by the surveyor, the field notes and the survey therein described
are hereby approved.

Fred J. Weiler
Fred J. Weiler
State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____
is a true copy of the original field notes.

(Title)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

13

CERTIFICATE OF SURVEYOR

I, Richard E. Warrick, Surveyor, hereby certify upon honor that in pursuance of an order received from the office of Industrial Business, at Tucson, Arizona, dated July 22, 1952, I have faithfully and correctly executed the survey of the mining claim of Richard E. Warrick, containing 1.00 acre, located in Maricopa County, Arizona, known as the Richard E. Warrick claim, Mineral Rights No. 20, Industrial Type I, Block 1000, Lot 1, Section 10, T. 13 N., R. 10 E., S. 10 N., Arizona, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the plan of boundaries for the survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made upon said land in the pursuit of the Richard E. Warrick claim, Industrial Type I, Block 1000, Lot 1, Section 10, T. 13 N., R. 10 E., S. 10 N., Arizona are fully stated in my report thereon, and that the character, extent, location, and amount of said labor and improvements are specified therein with particularity and full detail, and that no portion of or interest in said labor and improvements is withheld from said claim as provided in the estimate of expenditures upon any other claim.

Richard E. Warrick
Surveyor

CERTIFICATE OF APPROVAL

The foregoing field notes of mineral survey No. 20, in Maricopa County, Arizona, dated July 22, 1952, by Richard E. Warrick, Surveyor, Maricopa County, Arizona, having been critically examined and the necessary corrections made prior to their certification by the Surveyor, the field notes and the survey therein described are hereby approved.

Richard E. Warrick
Surveyor

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 20, is a true copy of the original field notes.

Richard E. Warrick
Surveyor