

MINERAL SURVEY No. 3573.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Cleopatra Copper and Gold Mines Company

KNOWN AS THE

Jefferson Mine, Somerset No. 2, Roosevelt, White Horse, Redbreast, Keystone, Cleopatra Lodes,

Owens Mining District,

Mohave County, Arizona,

Sections 4, 5, 9, Township 11 N., Range 14 W., G&S.R.M.

Surveyed under instructions dated February 27, 1919,

by C. C. Thompson, U. S. Mineral Surveyor.

Claim located (see location notices), 19

Survey commenced March 8, 1919.

Survey completed March 17, 1919.

Atty, C. W. Herndon, Address of claimant's, Kingman, Arizona.

DATES OF AMENDED LOCATIONS.

Redbreast: December 7, 1910.

Keystone: December 8, 1910.

Cleopatra: December 7, 1910.

| Claim. | Located. |
|-----------------|--------------------|
| Jefferson Mine, | April 26, 1907. |
| Somerset No. 3, | May 3, 1907. |
| Roosevelt, | May 3, 1907. |
| White Horse, | October 13, 1909. |
| Redbreast, | ----- 190-- |
| Keystone, | January 28, 1901. |
| Cleopatra, | February 16, 1901. |

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIMS OF

THE UNITED STATES

MINING CLAIMS

CLAIMS

SECTION

TO BE FILED IN THE OFFICE OF THE

U. S. GEOLOGICAL SURVEY

DATE OF DEPOSIT

BY

NAME

DATE OF AMENDMENT

BY

NAME

DATE

Mineral SURVEY NO. 3573.

JEFFERSON MINE LODE.

Beginning at Cor. No. 1.

On line 2-3 Redbreast lode of this survey.

A stone 7 x 12 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 1J-3573 and a cross at corner point,
whence,

U. S. L. M. No. 2584 bears N. 89° 44' 40" E. 6133.92 ft.

No other bearings available.

Feet.

Thence S. 55° 22' W.

300 The south end center, being a stone monument, on line.

600 To Cor. No. 2.

A stone 6 x 12 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 2J-3573 and a cross at corner point.

No bearings available.

Thence N. 29° 45' W.

750 The west side center, being a stone monument, on line.

1499.1 To Cor. No. 3.

A stone 10 x 14 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 3J-3573 and a cross at corner point,
whence,

Cor. to Secs. 4, 5, 8 and 9, T. 11 N., R. 14 W.,
G.&S. R. M., bears S. 2° 13' E. 615.3 ft.

No other bearings available.

Thence N. 55° 22' E.

300 The north end center, being a stone monument, on line.

600 To Cor. No. 4.

On line 2-3 Roosevelt lode of this survey, N. 21° 53' W.
561.1 ft. from Cor. No. 2.

A stone 6 x 8 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 4J-3573 and a cross at

SURVEY NO. 3573.

Feet. corner point.
 No bearings available.

Thence S. 29° 45' E.

549.26 Intersect lines 1-2 and 3-4, Roosevelt and Redbreast
 lodes respectively, both of this survey, N. 55° 22' E. 77.04 ft.
 from Cor. Nos. 2-3.

749.1 The east side center, being a stone monument, on line.

1499.1 To Cor. No. 1 the place of beginning.

SOMERSET NO. 2 LODE.

Beginning at Cor. No. 1.

Identical with the N. E. Cor. Palo Verde No. 2 lode,
 unsurveyed, claimant herein.

A stone 10 x 12 x 26 ins. set 16 ins. in the ground,
 with mound of stone, chiseled 1S2-3573 and a cross at
 corner point,

whence,

U. S. L. M. No. 2584 bears S. 82° 55' E. 4373.74 ft.

Cor. No. 1-1 Vermont and New Hampshire lodes, Sur.

No. 2584, bears S. 79° 46' 40" E. 4064.11 ft.

No other bearings available.

Thence S. 55° 22' W.

300 The south end center, being a stone monument, on line.

600 To Cor. No. 2.

Identical with Cor. No. 1-1 White Horse and Cleopa-
 tra lodes, both of this survey, and with the N. W. Cor.
 Palo Verde No. 2 lode unsurveyed.

A stone 12 x 14 x 26 ins. set 16 ins. in the ground,
 with mound of stone, chiseled 2S2-1WH-10-3573 and a
 cross at corner point,

whence,

The $\frac{1}{4}$ Sec. Cor. to Secs. 4 and 9, T. 11 N., R. 14 W.,

G.&S. R. M., bears N. 46° 58' E. 171.1 ft.

No other bearings available.

SURVEY NO. 3573.

Feet. Thence N. 34° 24' W.
 1499.4 To Cor. No. 3.
 Identical with Cor. No. 1-4 Keystone and Cleopatra lodes respectively, both of this survey, and with the S. W. Cor. Palo Verde lode unsurveyed, claimant herein.
 A stone 8 x 10 x 26 ins. set 16 ins. in the ground, with mound of stone, chiseled 1K-3S2-4C-3573 and a cross at corner point.
 No bearings available.

 Thence N. 55° 22' E.
 300 The north end center, being a stone monument, on line.
 600 To Cor. No. 4.

Identical with the S. E. Cor. Palo Verde lode, unsurveyed.
 A stone 9 x 10 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 4S2-3573 and a cross at corner point.
 No bearings available.

 Thence S. 34° 24' E.
 1499.4 To Cor. No. 1 the place of beginning.

ROOSEVELT LODGE.

Beginning at Cor. No. 1.

Identical with Cor. No. 3-3-4, Keystone, Cleopatra and Redbreast lodes respectively, all of this survey.

A stone 7 x 11 x 26 ins. set 16 ins. in the ground, with mound of stone, chiseled 1R-2K-3C-4R-3573 and a cross at corner point,
 whence,

U. S. L. M. No. 2584 bears S. 79° 57' E. 6271.05 ft.
 No other bearings available.

 Thence S. 55° 22' W.
 300 The south end center, being a stone monument, on line.

SURVEY NO. 3573.

| | |
|------------------------|--|
| Feet. 522.96 600 | <p>Intersect line 4-1 Jefferson Mine lode of this survey, S. 29° 45' E. 549.26 ft. from Cor. No. 4 To Cor. No. 2.</p> <p>Identical with Cor. No. 3 Redbreast lode of this survey.</p> <p>A stone 10 x 12 x 24 ins. set 16 ins. in the ground, with mound of stone, chiseled 2R-3R-3573 and a cross at corner point, whence,</p> <p>Cor. to Secs. 4, 5, 8 and 9, T. 11 N., R. 14 W., G.&S. R. M., bears S. 57° 20' 40" W. 806.49 ft.</p> <p>No other bearings available.</p> <p>-----</p> <p>Thence N. 21° 53' W.</p> |
| 561.1 1500 | <p>Cor. No. 4 Jefferson Mine lode of this survey on line. To Cor. No. 3.</p> <p>A stone 7 x 12 x 26 ins. set 16 ins. in the ground, with mound of stone, chiseled 3R-3573 and a cross at corner point.</p> <p>No bearings available.</p> <p>-----</p> <p>Thence N. 55° 22' E.</p> |
| 300 600 | <p>The north end center, being a stone monument, on line. To Cor. No. 4. Identical with Cor. No. 3 Keystone lode of this survey.</p> <p>A stone 8 x 8 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 3K-4R-3573 and a cross at corner point.</p> <p>No bearings available.</p> <p>-----</p> <p>Thence S. 21° 53' E.</p> |
| 1500 | <p>To Cor. No. 1 the place of beginning.</p> <p>-----</p> <p>WHITE HORSE LODGE.</p> <p>Beginning at Cor. No. 1.</p> <p>Identical with Cor. No. 1-2 Cleopatra and Somerset No. 2 lodes respectively, both of this survey, and with the N. W. Cor. Palo Verde No. 2 lode unsurveyed, previ-</p> |

Feet. ously described,
whence,

U. S. L. M. No. 2584 bears S. 87° 39' E. 4838.10 ft.

The $\frac{1}{4}$ Sec. Cor. to Secs. 4 and 9, T. 11 N., R. 14 W.,
G.&S. R. M., bears N. 46° 58' E. 171.1 ft.

Thence S. 55° 22' W.

300 The north end center, being a stone monument, on line.

600 To Cor. No. 2.

Identical with Cor. No. 1-2 Redbreast and Cleopatra
lodes respectively, both of this survey, and with the
N. E. Cor. Palo Verde No. 3 lode unsurveyed, claimant
herein.

A stone 9 x 14 x 24 ins. set 14 ins. in the ground,
with mound of stone, chiseled 1R-2C-2WH-3573 and a cross
at corner point.

No bearings available.

Thence S. 32° 53' E.

1500 To Cor. No. 3.

Identical with the S. E. Cor. Palo Verde No. 3 lode
unsurveyed.

A 1 x 2 ft. face of a solid cliff, with mound of
stone, chiseled 3WH-3573 and a cross at corner point.

No bearings available.

Thence N. 55° 22' E.

300 The south end center, being a stone monument, on line.

600 To Cor. No. 4.

Identical with the S. W. Cor. Palo Verde No. 2
lode unsurveyed.

A stone 8 x 12 x 24 ins. set 14 ins. in the ground,
with mound of stone, chiseled 4WH-3573 and a cross at
corner point.

No bearings available.

SURVEY NO. 3573.

| | |
|--------|---|
| | <p>Thence N. 32° 53' W.</p> |
| 1500 | <p>To Cor. No. 1 the place of beginning.</p> <p>-----</p> <p>REDBREAST LODE.</p> <p>Beginning at Cor. No. 1.</p> <p>Identical with Cor. No. 2-3 White Horse and Cleopatra lodes, both of this survey, and with the N. E. Cor. Palo Verde No. 3 lode, ^{unsurveyed} previously described, whence,</p> <p>U. S. L. M. No. 2584 bears N. 88° 28' E. 5329.62 ft.</p> <p>The $\frac{1}{4}$ Sec. Cor. to Secs. 4 and 9, T. 11 N., R. 14 W., G.&S. R. M., bears N. 53° 30' 20" E. 769.67 ft.</p> <p>-----</p> |
| | <p>Thence S. 55° 22' W.</p> |
| 300 | <p>The south end center, being a stone monument, on line.</p> |
| 600 | <p>To Cor. No. 2.</p> <p>Identical with the N. W. Cor. Palo Verde No. 3 lode unsurveyed.</p> <p>A stone 8 x 10 x 24 ins. set 14 ins. in the ground, with mound of stone, chiseled 2R-3573 and a cross at corner point.</p> <p>No bearings available.</p> <p>-----</p> |
| | <p>Thence N. 34° 24' W.</p> |
| 553.0 | <p>Cor. No. 1 Jefferson Mine lode of this survey on line.</p> |
| 750 | <p>The west side center, being a stone monument, on line.</p> |
| 1499.4 | <p>To Cor. No. 3.</p> <p>Identical with Cor. No. 2 Roosevelt lode of this survey, previously described.</p> <p>-----</p> |
| | <p>Thence N. 55° 22' E.</p> |
| 77.04 | <p>Intersect line 4-1 Jefferson Mine lode of this survey, N. 29° 45' W. 949.84 ft. from Cor. No. 1.</p> |
| 300 | <p>The north end center, being a stone monument, on line.</p> |
| 600 | <p>To Cor. No. 4.</p> <p>Identical with Cor. No. 1-2-3 Roosevelt, Keystone and Cleopatra lodes respectively, all of this survey,</p> |

SURVEY NO. 3573.

Feet. previously described.

Thence S. 34° 24' E.

749.4 The east side center, being a stone monument, on line.
1499.4 To Cor. No. 1 the place of beginning.

KEYSTONE LODGE.

Beginning at Cor. No. 1.

Identical with Cor. No. 3-4 Somerset No. 2 and Cleopatra lodes respectively, both of this survey, and with the S. W. Cor. Palo Verde lode unsurveyed, previously described,
whence,

U. S. L. M. No. 2584 bears S. 75° 49' 10" E. 5859.70 ft.

Thence S. 55° 32' W.

300 The south end center, being a stone monument, on line
600 To Cor. No. 2.

Identical with Cor. No. 1-3-4 Roosevelt, Cleopatra and Redbreast lodes respectively, all of this survey, previously described,
whence,

Cor. to Secs. 4, 5, 8 and 9, T. 11 N., R. 14 W., G.&S. R. M., bears S. 56° 30' W. 1403.19 ft.

Thence N. 21° 53' W.

750 The west side center, being a stone monument, on line.
1500 To Cor. No. 3.

Identical with Cor. No. 4 Roosevelt lode of this survey, previously described.

Thence N. 55° 32' E.

300 The north end center, being a stone monument, on line.
600 To Cor. No. 4.

Identical with the N. W. Cor. Palo Verde lode unsurveyed.

A stone 7 x 10 x 24 ins. set 14 ins. in the ground,

SURVEY NO. 3573.

Feet. with mound of stone, chiseled 4K-3573 and a cross at corner point.

No bearings available.

Thence S. 21° 53' E.

750 The east side center, being a stone monument, on line.
1500 To Cor. No. 1 the place of beginning.

CLEOPATRA LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 1-2 White Horse and Somerset No. 2 lodes respectively, both of this survey, and with the N. W. Cor. Palo Verde No. 2 lode unsurveyed, previously described,

whence,

U. S. L. M. No. 2584 bears S. 87° 39' E. 4838.10 ft.

The $\frac{1}{4}$ Sec. Cor. to Secs. 4 and 9, T. 11 N., R. 14 W., G.&S. R. M., bears N. 46° 58' E. 171.1 ft.

Thence S. 55° 22' W.

300 The south end center, being a stone monument, on line.
600 To Cor. No. 2.

Identical with Cor. No. 1-2 Redbreast and White Horse lodes respectively, both of this survey, and with the N. E. Cor. Palo Verde No. 3 lode unsurveyed, previously described.

Thence N. 34° 24' W.

750 The west side center, being a stone monument, on line.
1499.4 To Cor. No. 3.

Identical with Cor. No. 1-2-4 Roosevelt, Keystone and Redbreast lodes respectively, all of this survey, previously described.

Thence N. 55° 22' E.

300 The north end center, being a stone monument, on line.

SURVEY NO. 3573.

Feet.
600

To Cor. No. 4.

Identical with Cor. No. 1-3 Keystone and Somerset No. 2 lodes respectively, both of this survey, and with the S. W. Cor. Palo Verde lode unsurveyed, previously described.

Thence S. 34° 24' E.

749.4 The east side center, being a stone monument, on line.

1499.4 To Cor. No. 1 the place of beginning.

All corners of this survey are identical with the corners of the locations.

Variation at all corners of this survey 14° 40' E.

LODE LINES.

As near as can be determined from present developments the veins of the locations embraced in this survey extend as follows from their respective discovery points:

Jefferson Mine lode, 500 ft. N. 29° 45' W. and 999.1 ft. S. 29° 45' E.

Somerset No. 2 lode, 240 ft. N. 34° 24' W. and 1259.4 ft. S. 34° 24' E.

Roosevelt lode, 1500 ft. N. 21° 53' W.

White Horse lode, 32 ft. N. 32° 53' W. and 1468 ft. S. 32° 53' E.

Redbreast lode, 3 ft. N. 34° 24' W. and 1496.4 ft. S. 34° 24' E.

Keystone lode, 5 ft. S. 21° 53' E. and 1495 ft. N. 21° 53' W.

Cleopatra lode, 1 ft. N. 34° 24' W. and 1498.4 ft. S. 34° 24' E.

AREAS

Total area Jefferson Mine lode 20.574 Acres.

Area in conflict with Roosevelt lode of this survey

SURVEY NO. 3573.

0.484 Acres.

Area in conflict with Redbreast lode of this survey

0.836 Acres.

Total area Somerset No. 2 lode 20.653 Acres.

Total area Roosevelt lode 20.151 "

Total area White Horse lode 20.652 "

Total area Redbreast lode 20.653 "

Total area Keystone lode 20.151 "

Total area Cleopatra lode 20.653 "

~~Total area lode claim 145.367 Acres.~~

LOCATION.

This claim is located in the S. $\frac{1}{2}$ Sec. 4, the S. E. $\frac{1}{4}$ Sec. 5 and in the N. $\frac{1}{2}$ Sec. 9, T. 11 N., R. 14 W., G.&S. R. M., Owens Mining District, Mohave County, Arizona.

ADJOINING CLAIMS.

This claim is joined on the east by the Palo Verde and Palo Verde No. 2 lodes and on the west by the Palo Verde No. 3 lode, all unsurveyed, claimant herein.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of, each of the locations embraced in this claim, by the claimant or its grantors, is not less than five hundred dollars, and that said improvements consist of:

Jefferson Mine Lode.

No. 1 The discovery cut, the face of which being the discovery point, is on the center line 500 ft. from the center of line 3-4, 8 ft. face, 5 ft. wide running S. 60° W. 10 ft.

Value \$80.00

No. 2 A shaft which from the west side center bears N. 68° E. 140 ft., 4 $\frac{1}{2}$ x 7 ft. x 12 ft. deep.

Value \$120.00

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SURVEY NO. 3573.

No. 3 A shaft which from Cor. No. 3 bears S. 63° 15' E. 762 ft., 4 x 6 ft. x 31 ft. deep.

Value \$400.00

No. 4 2 cuts and 2 shafts connected. From Cor. No. 3 mouth of cut bears S. 62° 50' E. 795 ft., 5 ft. wide running S. 57° E. 20 ft. to a shaft 4 x 6 ft. x 20 ft. deep below floor of first cut and 28 ft. deep at upper side and at mouth of second cut also 5 ft. wide and running S. 57° E. 32 ft. to the second shaft, 5 x 12 ft. x 10 ft. deep below floor of cut and 20 ft. deep at upper end.

Value \$500.00

Somerset No. 2 Lode.

No. 1 The discovery cut and tunnel the face of cut and mouth of tunnel being the discovery point is on the center line 240 ft. from the center of line 3-4. Cut, 8 ft. face 4 ft. wide runs S. 38° W. 10 ft. Tunnel, 4 x 6 ft. runs N. 38° E. 16 ft.

Value \$250.00

No. 2 A cut the face of which from Cor. No. 3 bears S. 50° E. 270 ft., 10 ft. face, 10 ft. wide running N. 35° E. 32 ft.

Value \$450.00

No. 3 A cut the face of which from Cor. No. 3 bears S. 50° E. 355 ft., 10 ft. face, 6 ft. wide running N. 51° E. 15 ft., thence N. 30° E. 25 ft.

Value \$300.00

Roosevelt Lode.

No. 1 The discovery point is at the center of line 1-2. It is the point on which this location is based, ^{and consists of a} ~~no improvement~~ stone monument on the ore body. ~~made.~~

No. 2 A tunnel the mouth of which from Cor. No. 1 bears S. 74° W. 126 ft., 4 x 6½ ft. running N. 17° W. 18 ft.

Value \$180.00

SURVEY NO. 3573.

- No. 3 A cut and tunnel, the face of cut and mouth of tunnel which from Cor. No. 2 bears N. 40° E. 255 ft. Cut, 14 ft. face, 12 ft. wide runs S. 12° E. 15 ft. Tunnel, 4½ x 6½ ft. runs N. 12° W. 12 ft.
Value \$350.00
- No. 4 A shaft which from Cor. No. 2 bears N. 51° E. 210 ft., 4 x 6 ft. x 25 ft. deep.
Value \$250.00
- No. 5 A shaft, cut and tunnel. The face of cut and mouth of tunnel which from Cor. No. 2 bears N. 4° E. 112 ft. Tunnel, 4 x 6 ft. runs N. 50° E. 8 ft. Cut, 8 ft. face, 4 ft. wide runs S. 50° W. 6 ft. to side of shaft 4 x 6 ft. x 6 ft. deep.
Value \$175.00
-
- White Horse Lode.
- No. 1 The discovery shaft is on the center line 32 ft. from the center of line 1-2, 6½ x 22 ft. x 5 ft. deep.
Value \$200.00
- No. 2 A cut the face of which from Cor. No. 2 bears N. 87° E. 350 ft., 8 ft. face, 6 ft. wide running N. 12° W. 30 ft.
Value \$150.00
- No. 3 A cut the mouth of which from Cor. No. 2 bears N. 87° E. 149 ft., 4½ ft. wide running S. 35° W. 28 ft. to its 6 ft. face.
Value \$100.00
- No. 4 A cut the face of which from Cor. No. 2 bears S. 53° 15' E. 427 ft., 10 ft. face, 5 ft. wide running N. 40° W. 12 ft.
Value \$100.00
- No. 5 A shaft which from Cor. No. 1 bears S. 33° 30' W. 210 ft., 4 x 6 ft. x 10 ft. deep. From the N. W. side of this shaft a trench 5 ft. wide and 4 ft. deep runs N. 50° W. 15 ft. to the S. E. side of a shaft 4 x 6 ft. x 10 ft. deep.
Value \$250.00
-

SURVEY NO. 3573.

Redbreast Lode.

No. 1 The discovery point on which this location is based is on the center line 3 ft. from the center of line 3-4, and consists of a stone monument on the ore body. ~~No improvement made.~~

No. 2 A cut the face of which from Cor. No. 4 bears S. 23° W. 140 ft., 10 ft. face, 15 ft. wide running North 12 ft.

Value \$200.00

No. 3 A cut the face of which from Cor. No. 4 bears S. 32° W. 131 ft., 8 ft. face, 4½ ft. wide running N. 14° W. 14 ft.

Value \$100.00

No. 4 A cut and tunnel the face of cut and mouth of tunnel which from Cor. No. 3 bears N. 75° E. 185 ft., cut, 8 ft. face, 5 ft. wide running N. 3° W. 10 ft., tunnel, 4 x 6 ft. running S. 3° E. 34 ft.

Value \$400.00

No. 5 A cut and tunnel the face of cut and mouth of tunnel which from Cor. No. 3 bears N. 71° 30' E. 130 ft., cut, 8 ft. face, 4 ft. wide running N. 29° W. 12 ft., tunnel, 4 x 6 ft. running S. 29° E. 15 ft.

Value \$200.00

Keystone Lode.

No. 1 The discovery point on which this location is based is on the center line 5 ft. from the center of line 1-2, and consists of a stone monument on the ore body. ~~No improvement made.~~

No. 2 A shaft which from Cor. No. 1 bears S. 61° W. 320 ft., 5 x 20 ft. x 7 ft. deep.

Value \$200.00

No. 3 A shaft which from Cor. No. 1 bears S. 78° W. 328 ft., 4 x 6 ft. x 20 ft. deep.

Value \$200.00

No. 4 A trench the east end of which from Cor. No. 2 bears N. 35° E. 269 ft., 4½ ft. wide 6 ft. deep running N. 88° W. 50 ft.

Value \$350.00

No. 5 A tunnel the mouth of which from Cor. No. 2 bears N. 20°

SURVEY NO. 3573.

E. 273 ft., 4 x 6 ft. running N. 30° W. 12 ft.

Value \$120.00

Cleopatra Lode.

No. 1 The discovery point on which this location is based is on the center line 1 ft. from the center of line 3-4, and consists of a stone monument on the ore body.
~~No improvement made.~~

No. 2 A cut the face of which from Cor. No. 1 bears N. 53° 15' W. 788 ft., 10 ft. face, 4½ ft. wide running N. 34° W. 20 ft.

Value \$100.00

No. 3 A shaft which from Cor. No. 4 bears S. 15° 30' E. 542 ft., 4 x 6 ft. x 45 ft. deep.

Value \$500.00

No. 4 A cut the face of which from Cor. No. 4 bears S. 1° 15' W. 450 ft., 14 ft. face, 4½ ft. wide running S. 64° W. 85 ft.

Value \$850.00

No. 5 A shaft which from Cor. No. 4 bears S. 54° W. 300 ft., 4 x 6 ft. x 10 ft. deep.

Value \$100.00

OTHER IMPROVEMENTS.

None.

INSTRUMENT.

This survey was made with a C. L. Berger & Sons No. 4 transit. The courses were deflected from a meridian established by observing Polaris at western elongation. The distances were measured with a Lufkin 660 ft. steel tape.

REPORT.

U. S. L. M. No. 3584 is a solid rock face 4 x 5 ft. slightly elevated above the immediately surrounding ground, chiseled U. S. L. M. 2584 and a cross at the exact point.

Cor. to Secs. 4, 5, 8 and 9 and the ¼ Sec. Cor. to

SURVEY NO. 3573.

Secs. 4 and 9, T. 11 N., R. 14 W., G.&S. R. M., consist of the standard iron posts with brass caps which have been adopted for use on the public surveys by the U. S. General Land Office and are properly marked.

Cor. No. 1-1 Vermont and New Hampshire lodes, Sur. No. 2584 is a rock in place 10 x 16 ins. x 10 ins. above ground, chiseled VI, NHI, NCEM and a cross at corner point.

I find the line between Secs. 4 and 9, T. 11 N., R. 14 W., G.&S. R. M., to be N. 89° 56' W. the length of the East one half being 2640.5 ft. and the West one half 2638.6 ft.

This survey has been tied to U. S. L. M. No. 2584 as the survey of T. 11 N., R. 14 W., G.&S. R. M. is as yet unaccepted.

The disagreement between these field notes and the location notices is due to errors in the latter.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by C. C. Thompson,
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and
 boundaries described in the foregoing field notes of the survey of the mining claim of _____
 _____ Cleopatra Copper and Gold Mines Company,
 known as the Jefferson Mine, Somerset No. 2, Roosevelt, White Horse,
Redbreast, Keystone, Cleopatra Lodes,
 and showing the respective capacities in which they acted.

_____ John W. Johnson _____, *Chairman.*
 _____, *Chairman.*
 _____, *Aceman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, I, John W. Johnson,
 and _____, do solemnly swear that ^Iwe assisted C. C. Thompson,
 _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Cleopatra Copper and Gold Mines Company,

 known as the Jefferson Mine, Somerset No. 2, Roosevelt, White Horse,
Redbreast, Keystone, Cleopatra Lodes,
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the United States Surveyor-General for Arizona.

John W. Johnson _____, *Chairman.*
 _____, *Chairman.*
 _____, *Aceman.*
 _____, *Flagman*

Subscribed and sworn to by the above-named persons before me this 27
 day of March, 1919.

Tom Dodson

 _____, *Notary Public.*

My Commission expires March 29, 1922.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, C. C. Thompson, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated February 27, 1919, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Cleopatra Copper and Gold Mines Company,

known as the Jefferson Mine, Somerset No. 2, Roosevelt, White Horse, Redbreast, Keystone, Cleopatra Lodes, situate in Owens Mining District, Mohave County, Arizona, in Sections 4, 5, 9, Township No. 11 N., Range No. 14 W., G. & S. R. M., and designated as Survey No. 3573, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

C. C. Thompson, U. S. Mineral Surveyor.

Subscribed and sworn to by the said C. C. Thompson, U. S. Mineral Surveyor, before me Tom Dodson, Notary Public, this 27 day of March, 1919.

Tom Dodson

Notary Public.

My Commission expires March 29, 1922.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 19, 1919.

I, U. S. Surveyor-General for DISTRICT OF ARIZONA,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of CLEOPATRA COPPER and GOLD MINES COMPANY, known as the JEFFERSON MINE, SOMERSET NO. 2, ROOSEVELT, WHITE HORSE, REDBREAST, KEYSTONE, CLEOPATRA lodes,

situate in OWENS,

Mining District, MOHAVE County, ARIZONA

in Sections 4, 5, 9, Township No. 11 N., Range No. 14 W., and

designated as Survey No. 3573, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon each of said mining claims by claimant or its grantors, and that said improvements consist of 7 shafts, 17 cuts, 7 tunnels and 2 trenches, total value \$7175.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor-General for Arizona.

SURVEYOR GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR OFFICE OF U. S. SURVEYOR GENERAL

Phoenix, Arizona.

July 19, 1919

I, U. S. Surveyor General for DISTRICT OF ARIZONA,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

CLEOPATRA COPPER and GOLD MINES COMPANY known as the JEFFERSON MINE, SOMERSET NO. 2, ROOSEVELT, WHITE HORSE, REDBREAST, KEYSTONE, CLEOPATRA lodes

situate in OWENS mining district, MOHAVE County, ARIZONA,

in Sections 4, 5, 9, Township No. 11 N., Range No. 14 W., designated as Survey No. 3573

executed by C. C. Thompson, U. S. Mineral Surveyor, March 8-17, 1919, under my instructions dated February 27, 1919, have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the Survey they describe, are hereby approved.

The certified copy of the location certificate filed by the applicant for survey is on file in this office and a true copy of said certified copy of said location certificate is included and made a part of the transcript of the field notes.

Francis G. Frost

U. S. Surveyor General for Arizona.