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MINERAL SURVEY NO. 1324

Claims	M & B Des. Page No.	Imps. Page No.	Loc. Notices Page No.
Copper Glance	4	17	5
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Sunset	6	17	7
Tourmaline	3	16	6

Recd Feb 1/99.

(4-683.)

Mineral Survey No. 1324

Lot No. _____

Prescott

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Lonia Copper Mining Company

KNOWN AS THE

Polu Star, Copperopolis, Fairplay, Defiance Copper Glance Tommaline, Sunset and
Manilla Lodes in Walnut Grove Mining District,

Yavapai County, Arizona
Section approximately, Township 11 N + 12 N, Range 4 W

Surveyed under instructions dated Nov. 9, 1898

by J. J. Fisher
U. S. Deputy Mineral Surveyor.

Claim located 7th Feb. 1895 & 22nd August, 1898.

Survey commenced Nov. 23rd, 1898.

Survey completed Nov. 28th, 1898

o 6-160

Address.

Geo. J. Hawkins
Atty. in fact for Claimants
Prescott
Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, E. H. Draper and C. McMahon,

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Mining Claim of Gonia Copper Mining Company,

known as the Polar Star Copperopolis Fairplay Defiance Copper Glance Tormaline Sunset & Manilla lodes situate in Walnut Grove mining district,

Yavapai County, Arizona, in Section _____, Township No. _____, Range No. _____.

E. H. Draper, Chainman.

C. McMahon, Chainman.

Subscribed and sworn to by the above-named persons before me this 23rd day of November, 1898.

My Commission expires May 10th 1900

J. J. Fisher
Notary Public

I, E. H. Draper, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of Gonia Copper Mining Company known as the Polar Star Copperopolis Fairplay Defiance Copper Glance Tormaline Sunset & Manilla lodes, more fully described in the preceding affidavit.

E. H. Draper, Axeman.

Subscribed and sworn to by the said E. H. Draper before me this 23rd day of November, 1898.

My Commission expires May 10th 1900

J. J. Fisher
Notary Public

I, C. McMahon, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of Gonia Copper Mining Company known as the Polar Star Copperopolis Fairplay Defiance Copper Glance Tormaline Sunset & Manilla lodes, more fully described in the preceding affidavit.

C. McMahon, Flagman.

Subscribed and sworn to by the said C. McMahon before me this 23rd day of November, 1898.

My Commission expires May 10th 1900

J. J. Fisher
Notary Public

Survey No 1324

Polar Star Lode

Feet

Beginning at Cor. No 1. on bulk west side line, line 2-3 of Arrastras Lode. Survey No 767. at S 51° E 480 feet from Cor. No 2. Arrastras.

Orig. location mon. bis N 43° 51' E 52 feet.
U.S. M. No 1. bis N 34° 17' W 529 feet.

A porphyry stone 8 x 12 x 30 ins. set one foot in ground, along side bulk a mon. of stones 3 feet on base and 3 feet high.

Stone marked P.S. No 1-1324. same stone marked M. No 4-1324 for Cor. No 4. of the Manila Lode of this survey.

A + on porphyry rock in place, marked B.R. P.S. No 1-1324 bis. N 38° 48' E 10.5 feet.

A + on porphyry rock in place, marked B.R. M. No 4-1324 bis. S 47° 20' W 48.8 feet.

Thence S 45° 30' W
14° E

980 To Cor. No 2. Identical with Cor. of location which is also loc. corner of the Journaline of this survey.

A porphyry stone 6 x 10 x 24 ins. set one foot in ground and surrounded by a mon. of stones. Stone marked P.S. No 2-1324, and same stone marked on opposite side. J, No 1-1324. for Cor. No 1. Journaline of this survey.

A + on a porphyry rock in place, marked P.S. No 2-1324 B.R. bis. S 18° 15' W 85 feet

A + on a porphyry rock in place, marked B.R. J. No 1-1324 bis. S 3° E 105 feet.

Thence S 48° 30' E
14° E

300 To bulk center end. Initial mon, identical with location. A mon. of stones 3 feet on base and 3 feet high, which is also bulk center end mon. of the Journaline. of

Survey No 1324

Feet.

Polar Star Lode

this survey.

600

Same course. to cor. No 3.
Identical with south east cor. of the location
and also of the north east cor. of the location
of the summation of this survey.

A porphyry stone 5x7x30 ins. set one
foot in ground and surrounded by
a mon. of stones. Stone marked
P.S. No 3-1324. same stone marked
on opposite side T. No 4-1324 for
cor. No 4. summation of this survey.

A + on a porphyry rock in place, marked
B.B. P.S. No 3-1324 bes. N 13° 55' W 30 feet.

A + on a porphyry rock in place, marked
B.B. T. No 4-1324 bes. N 70° 30' W 51 feet.

Hence N 45° 30' E
Nav. 140 E

980

To Cor. No 4.

Orig. loc. mon. bes. N 50° E 100 feet.

A porphyry stone 8x10x24 ins. set one foot
in ground and surrounded by a mon. of
stones. stone marked P.S. No 4-1324

A + on a porphyry rock in place, marked
B.B. P.S. No 4-1324 bes. S 25° 45' W 11.3 feet

A + on a pine tree 10 ins. diam. blazed &
marked B.T. P.S. No 4-1324 bes S 54° 50' E
19.4 feet.

Hence N 48° 30' W
Nav. 14° E

300

To north center of loc. mon. a mon of stones
3 feet in base and 3 feet high

600

Same course to cor. No 1. the place
of beginning survey of exterior
boundaries.

Survey No 1324

Int.

Journaline Lodge

Beginning at Corner No 1, identical with corner of the location, which is also Cor No 2. Draw Stave of this survey. U.S.M.M. No 1. bearing $N 19^{\circ} 38' E$ 1193.4 feet, corner described above.

Thence $S 40^{\circ} W$
 Var. $14^{\circ} E$

1120 To S.E. cor. Manila and N.E. cor. of Copperopolis of this survey.

1184 To wagon road, course N. & S.

1284 To cor. No 2, identical with S.W. cor. of the location.

A porphyry stone $8 \times 24 \times 30$ ins, set one foot in ground and surrounded by mon. of stones. Stone marked T. No 2-1324, same stone marked C.G. No 1-1324 for cor. No 1 - Copper Glance of this survey.

A + on a porphyry rock in place, marked B.R. T. No 2-1324 bearing $N 44^{\circ} 5' W$ 7.5 feet

A + on a porphyry rock in place, marked B.R. C.G. No 1-1324 bearing $N 84^{\circ} 45' W$ 10.5 feet.

Thence $S 48^{\circ} 30' E$
 Var. $14^{\circ} E$

300 To south center end toe, mon. a mon. of stones 3 feet on base and 3 feet high, which is also North center end mon. of Copper Glance Lodge of this survey.

395 To wagon road, general course N. & S.

600 same course to Cor. No 3, identical with cor. of the location.

A porphyry stone $4 \times 12 \times 30$ ins, set one foot in ground, along side built a mon. of stones 3 feet on base, stone marked T. No 3-1324, same stone marked on

opposite side C.G. No 4-1324 for cor. No 4, Copper Glance of this survey.

A + on a porphyry rock in place marked B.R. T. No 4-1324 bearing $S 57^{\circ} 30' E$ 23 feet

(4)
Survey No 1324

6

Feet

Tourmaline Lode

No other bearing rocks or trees available.

Thence $N 40^{\circ} E$
Var. $14^{\circ} E$

1284

To Cor. No 4, which is also Cor. No 3, Polar Star of this survey, Cor. described above

Thence $N 48^{\circ} 30' W$
Var. $14^{\circ} E$

300

To North-center end to. mon. which is also South-center end Polar Star, of this survey.

600

Same course to Cor. No 1. The place of beginning survey of exterior boundaries.

Copper Glance Lode

Beginning at Initial mon. at North-center end of Claim, a mon. of stones 3 feet on base and 3 feet high, identical with initial mon. of the location.

Thence $N 48^{\circ} 30' W$
Var. $14^{\circ} E$

300

To Cor. No 1. identical with loc. which is also Cor. No 2. Journaline, corner described above. U.S.M.M. No 1. br. $N 30^{\circ} 11' E$ 2437.9 feet.

Thence $S 40^{\circ} W$
Var. $14^{\circ} E$

636

To S.E. Cor. Copperopolis and N.E. Cor. Defiance.

1272

To Cor No 2. Identical with S.W. cor. of the location. A porphyry stone $4 \times 6 \times 24$ ins. set one foot in ground, and surrounded by a mon. of stones. Stone marked C.G. No 2. - 1324.

Survey No 1324

Feet

Copper Glance Lode

A + on porphyry rock in place, marked
 B.R. C.G. No 2-1324 bes. S $7^{\circ} 50' N$ 9.3 feet
 A + on a porphyry rock in place, marked
 B.R. C.G. No 2-1324 bes. N $79^{\circ} 10' E$ 14 feet.

Thence $N 48^{\circ} 30' E$

Var. $14^{\circ} E$

600

To Cor. No 3. Loc. mon. bes. S $40^{\circ} N$ 50 feet.
 A porphyry stone $3 \times 10 \times 24$ ins. set one foot
 in ground, along side built a mon of
 stones 3 feet on base and 3 feet high.
 Stone marked C.G. No 3-1324.
 A + on a porphyry rock in place, marked
 B.R. C.G. No 3-1324 bes. N $7^{\circ} 50' N$ 16.6 feet
 A + on porphyry rock in place, marked
 B.R. C.G. No 3-1324 bes. N $56^{\circ} 22' N$ 10.5 feet.

Thence $N 40^{\circ} E$

Var. $14^{\circ} E$

87
1105
1272

To S.W. corner Sunset Lode, of this survey.
~~wagon road course N. + S.~~
 To Cor. No 4, which is also Cor. No 3
 of Journaline of this survey, corner des-
 cribed above.

Thence $N 48^{\circ} 30' N$

Var. $14^{\circ} E$

205

To wagon road, course N. + S.

300

To North center end Initial mon. the
place of beginning survey of exterior
boundaries.

Survey No 1324

Feet

Sunset Lode

Beginning at Cor. No 1. Identical with the N.W. corner of the location.
 Cor No 3 Journaline and Cor. No 4 Copper Glance of this survey bes. S 19° 15' W 315 feet.
 A porphyry stone 3x18x30 ins. set one foot in ground and surrounded by mow. of stones. Stone marked S No 1-1324
 A + on porphyry rock in place, marked B.R. S No 1-1324 bes. N 69° E 63 feet
 A + on a porphyry rock in place, marked B.R. S No 1-1324 bes. S 27° 25' W 18 feet.
 U.S.M.M. No 1. bes. N 16° 57' E 2307.7 feet

Thence S 35° 41' W Nav. 14° E

292.7 To intersect line 2-3 Journaline at N 48° 30' W 89.5 feet from Cor. No 3 Journaline side of this survey.
 380 To wagon road, course N, T, S.
 1484.1 To Cor No 2. Identical with corner of the location, at N 40° E 87 feet from Cor. No 3 Copper Glance of this survey.
 A porphyry stone 5x10x40 ins. set one foot in ground and surrounded by a mow. of stones. Stone marked S No 2-1324. A + on a porphyry rock in place, marked B.R. S No 2-1324 bes. N 23° 27' W 45 feet.
 A + on a porphyry rock in place, marked B.R. S No 2-1324 bes. S 64° 10' W 43 feet.

Thence S 54° 19' E Nav. 14° E

300 To south center line, initial mow. of loc. A mow. of stones 3 feet on base and 3 feet high.
 600 Same course to Cor. No 3.

Survey No 1324

Feet

Sunset Lode

Loc. mon. bes. S 54° 19' E 30 feet, a mon. of
 stones 2 feet on base and 18 ins high.
 A porphyry stone 4 x 8 x 24 ins. set one
 foot in ground and surrounded by mon.
 of stones, stone marked S No 3-1324
 A + on a porphyry rock in place
 marked B.R. S No 3-1324 bes. S 29°
 35' E 66 feet, A + on porphyry rock
 in place, marked B.R. S No 3-1324
 bes. N 75° 55' E 100 feet.

Thence N 35° 41' E

Var. 14° E

1484.1

To Cor. No 4, Loc. mon. bes. N 35° 41' E 65 feet
 A mon. of stones 2 feet on base and 2 feet
 high.
 A porphyry stone 6 x 8 x 30 ins. set
 one foot in ground and surrounded
 by a mon. of stones, stone marked
 S No 4-1324,
 A + on a porphyry rock in place, marked
 B.R. S. No 4-1324 bes. N 32° 25' W 79 feet
 A + on a porphyry rock in place, marked
 B.R. S. No 4-1324 bes. N 11° 2' W 70.5 feet

Thence N 54° 19' W

Var. 14° E

478.4

To intersect line 3-4 Journaline Lode
 of this survey at N 40° E 304 feet from
 Cor. No 3, Journaline.
 600 Same course to Cor. No 1. The place
 of beginning survey of exterior
 boundaries.

Survey No 1324

Feet

Manilla Lode.

Beginning at Cor. No. 1, which is also Cor. No. 2, of the Arrastra Lode, Survey No 767. Original loc. mon. bes. $N 29^{\circ} 3' E$ 154.4 feet,

U.S. M.M. No. 1. bes. $N 29^{\circ} 3' E$ 154.4 feet.
A porphyry stone $6 \times 12 \times 24$ ins. set one foot in ground and surrounded by a mon. of stones. Stone marked M. No 1-1324.

A+ on a porphyry rock in place, marked B.R. M. No 1-1324 bes. $N 9^{\circ} 20' W$ 23.8 feet.

Thence $S 48^{\circ} 9' W$
Var. $14^{\circ} E$

650 To point, Original north side loc. mon, bes $N 51^{\circ} W$ 3 feet, a mon. of stones and stake.

1411.7 To Cor. No. 2. Identical with loc. of location, which is also the N.W. corner of the Copperopolis of this survey.
A porphyry stone $4 \times 8 \times 30$ ins, set one foot in ground and surrounded by a mon. of stones, stone marked M. No 2-1324, same stone marked on opposite side to No 1-1324 for Cor. No. 1. Copperopolis of this survey.

A+ on a porphyry rock in place, marked M. No 2-1324 B.R. bes. $S 38^{\circ} 3' E$ 12 feet

A+ on a porphyry rock in place, marked B.R. C. No 1-1324 bes. $S 86^{\circ} 15' W$ 13.1 feet.
U.S. M.M. No. 1. bes. $N 46^{\circ} 18' E$ 1558.7 feet

Thence $S 51^{\circ} E$
Var. $14^{\circ} E$

300 To south west center end, a mon. of stones and stake, Initial mon. bes. $N 43^{\circ} 51' E$

500 feet.

586 To Cor. No 3, which is also Cor No 4

Fect

Manilla Lodge

Copper poles bore of this survey. Identical with center of the location at south $40^{\circ} 16'$ 420 feet from Cor. No. 1. Journaline of this survey.

A porphyry stone $4 \times 15 \times 30$ ins. set one foot in ground and surrounded by a row of stones. Stone marked. M. No 3-1324 and on opposite side C. No 4-1324. A + on an oak tree 8" diam. Blazed and marked B. T. M. No 3-1324 bearing $N 66^{\circ} 48' E$ 5.5 feet.

A + on an oak tree 10" diam. blazed and marked B. T. C. No 4-1324 bearing $N 64^{\circ} 16'$ 9.7 feet.

Thence $N 43^{\circ} 51' E$
Var. $14^{\circ} E$

416.1 To intersect line 1-4 Journaline & line 2-3 Polar Star of this survey at $S 48^{\circ} 35' E$ 28.3 feet from Cor. 1 and 2

750 To south side loc. mon. a mon. of stones & stake.

1398.5 To Cor. No 4, Orig. loc. mon. bearing $N 43^{\circ} 51' E$ 52 feet. Cor. No 4 is identical with cor No 1 Polar Star of this survey. - corner described above.

Thence $N 51^{\circ} 16'$
Var $14^{\circ} E$

286 To south East center end. Orig. loc. mon bearing $N 43^{\circ} 51' E$ 100 feet. a mon. of stones and stake.

480 To Cor No 1. The place of beginning survey of exterior boundaries.

Survey No 1324

Feet

Copperopolis Lode

Beginning at N.E. center end, being
Initial mon. ^{of location} a mon. of stones 3 feet
on base and 3 feet high.

Thence N 51° W

Var. 14° E

300

To Cor. No 1. Identical with N.W. corner of
the location, which is also Cor. No 2, Mahilla
Lode and Cor. No 4 Fairplay Lode, of this
Survey.

U.S.M.M. No 1. bearing N 46° 18' E 1558.7 feet
Corner described above.

Thence S 40° W

Var. 14° E

1500

^{rough road corner N + S}
To Cor No 2, which is also Cor No 3, Fairplay
and Cor. No 1, Defiance of this survey.
Identical with to several locations.

A porphyry stone 6x10x24 ins. set one
foot in ground and along side built
a mon. of stones 3 feet on base and
3 feet high. Stone marked C. No 2-1324,
F. No 3-1324 and D. No 1-1324.

A + on a porphyry rock in place
marked B.R. C. No 2-1324 bearing N 70° 5' W
70 feet. A + on a porphyry rock in
place marked B.R. F. No 3-1324 bearing
S 70° W 35 feet. A + on a porphyry rock
in place marked B.R. D. No 1-1324
bearing S 72° 45' E 27.5 feet.

Thence S 51° E

Var. 14° E

300

To S.W. center end mon. a mon. of stones
3 feet on base and 3 feet high.

which is also Initial mon. of Defiance
Lode of this survey, identical with location.

586

To Cor. No 3, which is also Cor. No 4

Survey No 1324

Feet

Copperopolis Lode

Defiance Lode of this survey. Identical with corner of the location.

A granite stone 8x12x24 ins. set one foot in ground and surrounded by a mon. of stones. Stone marked C. No 3-1324 and on opposite side D. No 4-1324.

A + on a porphyry rock in place, marked B. R. C. No 3-1324 bis. N 14° 18' E 50 feet

A + on a porphyry rock in place, marked B. R. D. No 4-1324 bis. N 34° 25' W 105 feet.

Thence N 40° E

Var. 14° E

636 To Cor. No 1. Copper Glance and Cor. No 2.

Journaline of this survey.

736 To wagon road, corner N. and S.

1500 To Cor. No 4, Identical with corner of the location, which is also corner No 3.

Manilla, of this survey.

Corner described above.

Thence N 51° W

Var. 14° E

286 To N.E. center end Initial mon. to place of beginning survey of exterior boundaries.

Defiance Lode

Beginning at Initial mon. at N.E. center end of claim. a mon. of stones 3 feet on base and 3 feet high.

Thence N 51° W

Var. 14° E

300 To Cor. No 1, which is also Cor. No 2. Copperopolis, and Cor. No 3. Fairplay, corner described above.

Survey No 1324

Foot

Defiance LodeU.S.M. (U.S.P.) bes. N 43° 12' E 3053.5 feet,
thence S 40° W

Naw 14° E

1385

To cor. No 3. Identical with corner of
the location.A porphyry stone 5x10x30 ins. set
one foot in ground alongside
built a mon. of stones 3 feet on
base and 3 feet high.

Stone marked D No 2-1324.

A + on a porphyry rock in place
marked B.R.D. No 2-1324 bes. N 16°
25' E 47 feet. A + on a porphyry
rock in place, marked B.R.D.
No 2-1324 bes. N 19° 45' W 65 feet.

Thence S 51° E

Naw. 14° E

586

To cor No 3.

Loc. mon. bes. S 51° E 14 feet.

A porphyry stone 4x8x24 ins. set one
foot in ground and surrounded by
mon. of stones. Stone marked D. No 3-1324A + on a porphyry rock in place, marked
B.R.D. No 3-1324 bes. S 70° 20' W 27 feet.A + on a porphyry rock in place, marked
B.R.D. No 3-1324 bes. N 41° 5' W 18 feet.

Thence N 40° E

Naw. 14° E

749
1385

To cor. No 2. Copper Glance of this survey.

To cor No 4. Identical with corner of
the location. which is also cor.No 3. Copperopolis of this survey.
Corner described above.

Survey No 1324

Feet

Defiance Lode

Thence $N 51^{\circ} W$
 Run $14^{\circ} E$

286

To N.E. center end Initial mon.
 the place of beginning Survey of exterior
 boundaries.

Fairplay Lode

Beginning at initial mon. at N.E.
 center end of claim, a mon. of
 stones 3 feet in base and 3 feet
 high.

Thence $N 51^{\circ} W$
 Run $14^{\circ} E$

235

To intersect line 1-2 Quartzite Lode
 Survey No 1321, at $S 55^{\circ} 20' W$ 580 feet
 from Cor No 1, Quartzite.

300

To Cor. No 1. Identical with cor. of loc.
 A porphyry stone $4 \times 10 \times 24$ ins. set one
 foot in ground and surrounded
 by a mon. of stones. Stone marked
 T. No 1-1324.

A + on a porphyry rock in place
 marked B. R. T. No 1-1324 Cor.

$N 89^{\circ} W$ 105 feet.

U.S. M.M. No 1. Cor $N 66^{\circ} 18' E$ 1739.7 feet

Thence $S 44^{\circ} W$
 Run $14^{\circ} E$

235.9

To intersect line 1-2, Quartzite Lode
 Survey No 1321, at $N 55^{\circ} 20' E$ 674.2 feet
 from cor. No 2, Quartzite

1500

To Cor. No 2. Identical with cor. of
 location.

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Survey No 1324

Fut

Fairplay Lode

A Lava stone $8 \times 10 \times 24$ ins. set one foot in ground and surrounded by a mon. of stones. Stone marked F. No 2-1324.

A+ on a lava rock in place, marked B.R. F. No 2-1324 bes. $N 10^{\circ} 20' W$ 26.7 fut. A+ on a lava rock in place, marked B.R. F. No 2-1324 bes. $S 29^{\circ} 22' W$ 26 feet.

Thence $S 51^{\circ} W$
Var. $14^{\circ} E$

600

To Cor. No 3. which is also Cor No 1-Defiance and Cor. No 2. Copperopolis of this survey. Corner described below.

Thence $N 40^{\circ} E$
Var. $14^{\circ} E$

1350

To wagon road - course N. + S.

1500

To Cor. No 4. Identical with the location, and also with Cor No 1-Copperopolis and Cor. No 2, Manilla lodes of this survey.

A porphyry stone $4 \times 8 \times 30$ ins. set one foot in ground, and along side built a mon. of stones 3 feet on base and 3 feet high. Stone marked F. No 4-1324

A+ on a porphyry rock in place marked B.R. F. No 4-1324 bes. $S 86^{\circ} 15' W$ 13.1 fut.

Thence $N 51^{\circ} W$
Var. $14^{\circ} E$

150

To wagon road, course N. and S.

300

To N.E. corner and the place of beginning survey of exterior boundaries.

Survey No 1324

17

Areas.

Polar Star Lode	13.466 acres
Journaline Lode	17.675 acres.
Copper Glance Lode	17.515 acres.
Sunset Lode	
Total area	20.439 acres.
Less area in conflict with	
Journaline	0.723
Copper Glance	<u>1.217</u> <u>1.940</u> acres
Net area Sunset Lode	18.499 acres

Manilla

Total area	17.053 acres.
Less area in conflict with	
Polar Star	0.319 acres
Journaline	<u>0.272</u> acres. <u>.591</u> acres
Net area Manilla	16.462 acres

Copperopolis Lode 20.175 acres.

Defiance Lode 18.629 acres

Fairplay Lode

Total area	20.656 acres
Less conflict with	
Quartette Survey No 1321	0.176 acres.
Net area Fairplay,	<u>20.480</u> acres
Total Net area Lode claim	142.908 acres

Adjoining Claims.

Defiance Lode is bounded on the S.W. by the Black Prince, C. M. Mahan claimant, unsurveyed, and on the N.E. by Cuprite, C. M. Mahan claimant, which also bounds the Fairplay on the S.W. The Fairplay is bounded on the north by the Quartette, Survey No 1321. The Manilla is bounded on the north by the Great Spur, unsurveyed, and the Manilla and Polar Star are bounded on the east by the Arastra Survey No 767. No other adjoining claims.

Location

This claim is located on unsurveyed land, approximately in Township 11 North, Range 4 West, in Walnut Grove Mining District, Yavapai County, Arizona Territory.

Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and its grantors is not less than four thousand dollars, or equal to five hundred dollars for each location mapping up the entire claim, and that said improvements consist of:

Polar Star Lode.

Open cut. 4 x 18 feet, 10 foot face, from Cor. No 1. S 30° W 300 feet.
Value \$100

Journaline Lode.

Shaft No 1. 4 x 6 feet, 10 feet deep, which
bes. from Cor No 4. N 86° 30' W 360 feet
Value \$100.00

Shaft & Open cut No 2.

Open cut at mouth of shaft. 10 x 15 feet
10 foot face. Shaft 4 x 6 feet, 50 feet
deep, which bes. from Cor. No 4
S 54° W 390 feet.
Value \$700.00

Shaft No 3. 4 x 6 feet, 10 feet deep
which bes. from Cor. No 4, S 62° 35' W
600 feet
Value \$100.00

(17)
Survey No 1324

19

Improvements

Shaft No 4. 4 x 6 feet, 12 feet deep.
which bes. from Cor. No 2. N 73° 34' E 375 ft.
Value \$120.00

Tunnel No 5, from Cor. No 2, S 75° 45' E 285 feet.
Approach 4 x 20 feet 15 foot face,
Tunnel 4 x 6 feet 15 feet long.
Value \$300.

Copper Glance Lode.

Shaft No 1. 4 x 6 feet, 10 feet deep,
which bes. from N.E. Centre end
now, S 20° E 30 feet
Value \$100.00

Shaft No 2, 4 x 6 feet, 10 feet deep
which bes. from N.E. Centre end
now, S 63° 26' W 230 feet
Value \$100.

Bracing House No 3, 20 x 30 feet,
The North East corner of which bes.
from N.E. Centre end now, N 60° W
50 feet
Value \$500

Sunset Lode.

Quarry and Tunnel No 1.

Quarry 12 x 15 feet 12 foot face
Tunnel 4 x 6 feet 12 feet long.
Value \$320

which bes. from Cor. No 2, N 64° E 800 ft.

Quarry & Shaft No 2. Quarry 8 x 12 ft. 12 foot face
Shaft 4 x 6 feet 10 feet deep. which bes. from Cor.
No 2. N 70° E 700 ft.
Value \$200.

Survey No 1324

ImprovementsManilla Lode.

Dis. Shaft No 1. 4 x 6 feet, 10 feet deep
which bes. from S.W. center end now.
N 43° 51' E 500 feet
Value \$100.00

Open cut, No 2. 4 x 20 feet, 9 foot face
which bes. from Cor. No 2. Polar Star.
Lode of this survey. N 18° 15' E 525 feet.
Value \$100.00

Copperopolis Lode.

Quarry No 1. 24 x 25 feet, 12 foot
face, which bes. from N.E. center end
now. S 35° 45' W 510 feet.
Value \$650.00

Shaft & cut No 2.

cut 20 x 30 feet, 9 foot face
Shaft 4 x 6 feet 40 feet deep.
which bes. from N.E. center end now.
S 33° 15' W 515 feet.
Value \$800.00

Shaft No 3. 4 x 6 feet, 50 feet deep.
At bottom of shaft, level run to
the west. 4 x 6 feet 70 feet long.
which bes. from N.E. center end now. S 34° 45' W 650 feet.
Value \$1200.00

Shaft No 4. 4 x 6 feet, 10 feet deep.
which bes. from N.E. center end
now. S 36° 15' W 1085 feet.
Value \$100.00

Shaft No 5. 4 x 6 feet, 10 feet deep.
which bes. from Cor. No 3. N 7° 42' W
310 feet.
Value \$100.00

Improvements

Defiance Lode

Shaft & Cut,

cut 6x20 feet 5 feet deep,

Shaft 6x6 feet 12 feet deep

which lies from N.E. center end now,

S 40° W 80 feet.

Value \$200.00

Fairplay Lode.

Tunnel No 1. 4x6 feet, 20 feet long.

which lies from Cor. No 1. S 5° 15' W 550 ft.

Value \$200.

Shaft & Cut No 2.

Cut, 12x20 feet 10 foot face at
mouth of shaft.

Shaft 6x8 feet, 50 foot deep.

which lies from Cor. No 1. S 6° 45' E

600 feet.

Value \$700.00

Shaft & Quarry No 3.

Quarry 15x20 feet 5 feet deep.

Shaft 9x9 feet, 5 feet deep.

which lies from Cor. No 1. S 3° E 660 ft.

Wagon road built for the
benefit of all the claims, length
3500 feet, Cost \$500.00

(261)

Survey No 1324

Improvements

The work on the Journaline is intended for the development of the Polar Star and also the Copper Glance, being on the same vein or lode, and work or improvements any where on the lode tends to develop the entire lode. Of the work on the Journaline four hundred dollars thereof is to be accredited to the Polar Star, and three hundred dollars thereof to the Copper Glance. The boarding house on the Copper Glance is a necessary adjunct to the working of the Copper Glance, Journaline, Sunset, Defiance, Copperopolis and Fairplay Lodes.

The work on the Copperopolis tends to the development of the entire vein or lode of which the Manilla and Defiance are extensions. Of the work on the Copperopolis, three hundred dollars thereof is to be accredited to the Manilla lode and three hundred dollars thereof to be accredited to the Defiance vein or lode.

Since making the Survey for Louis Copper Mining Company have purchased the Arastra Claim Survey No 767, on which they are now erecting smelting and reduction works for the reduction of the ores of Surveys No 1324 and 1323 A, at an outlay exceeding \$15,000. Ten thousand dollars of which is to be accredited to Survey No 1324

Extent of Mineral Veins on Surface

Polar Star.

From discovery open cut N 45° 30' E 230 feet, and
S 45° 30' W 750 feet.

Journaline.

From dis. Shaft No. 1. N 40° E 215 feet and S 40° W 1069 feet.

Copper Glance

From dis. Shaft No. 1. N 40° E 20 feet and S 40° W 1252 feet.

(211)

Survey no 1324

Extent of Mineral Veins on surface
Sunset Lode

From dis. Tunnel No 1. N 35° 41' E 350 feet
and S 35° 41' W 700 feet.

Manilla Lode

From dis. shaft No 1. N 43° 55' E 1000 feet and
S 43° 51' W 500 feet.

Copperopolis Lode

From dis. Quarry No 1. N 40° E 500 feet and
S 40° W 1000 feet

Defiance Lode

From discovery shaft & cut N 40° E 80 feet and
S 40° W 1305 feet.

Fairplay Lode.

From discovery Tunnel No 1. N 40° E 460 feet
and S 40° W 630 feet.

Instrument

The survey was made with a Gurley Solar Transit. The courses were deflected from the true meridian as determined by solar and Polaris observations. The distances were measured with a 100 foot steel chain.

Note. I found an error in the course and distance of Stone A, No 1. of the Arrastra Lode Survey no 767 from U.S. M.M. No 1. which is given as N 65° 30' E 60 feet and which I found to be N 59° 45' E 75 feet

Omstead G. V.
Dec. 22-1898

J. J. Fisher
U.S. Dep. Min. Surveyor

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by J. J. Fisher
 United States Deputy 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 Zonia Copper Mining Company
 known as the Palau Stee Copperopolis Fairplay Defiance Copper Glance Journaline Sunset and Manilla
 and showing the respective capacities in which they acted.

- E. H. Draper , Chairman.
- C. McMahan , Chairman.
- E. H. Draper , Axman.
- C. McMahan , Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. H. Draper
 and C. McMahan , do solemnly swear that we assisted J. J. Fisher
Fisher , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Zonia Copper Mining
Company

....., known as the Palau Stee Copperopolis
Fairplay Defiance Copper Glance Journaline Sunset & Manilla , represented
 in the foregoing field notes as having been surveyed by said deputy 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 instructions furnished by the United States Surveyor-General for
Arizona

- E. H. Draper , Chairman.
- C. McMahan , Chairman.
- E. H. Draper , Axman .
- C. McMahan , Flagman.

J. J. Fisher

Subscribed and sworn to by the above-named persons before me
 this 1st day of December, 1898.

My commission Expires
 May 10th 1900

J. J. Fisher
 Notary Public

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, J. J. Fisher, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Nov. 9th, 1898, 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 Jonida Copper Mining Company known as The Polar Star, Coppurpolis, Fairplay, Defiance, Copper Glance, Immative, Sunset, and Manilla, situated in Walnut Grove Mining District, Yavapai County, Arizona, in Section Approximately, Township No. 11 N, Range No. 4 W. G + S. R. Meridian and designated as Survey No. 1324, 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.

J. J. Fisher
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said _____
U. S. Deputy Mineral Surveyor, before me _____
this 29
day of December, 1898.

J. A. Fittler
Register

UNITED STATES LAND OFFICE,
PRESCOTT, ARIZ.

Affidavit of Five Hundred Dollars Improvements.

We E. H. Draper and C. McMahon

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the ^{Polau Shau} ^{Choperepale} ^{Gairpley} ^{De France} ^{Blau} ^{Monnain} ^{Sumat} and Manilla mining claim, situated in

Walnut Grove Mining district, Yavapai County, Arizona Territory, for which Zonia Copper & Mining Company

has made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and its grantors exceed Five Hundred Dollars in value, ^{per claim} and further that we are not personally interested in said mine.

E. H. Draper
C. McMahon

TERRITORY OF ARIZONA,
County of Yavapai } ss.

SWORN to and subscribed before me, this 1st day of December 1898

J. J. FISHER

J. J. Fisher
Notary Public

My Commission expires
May 10th 1900

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS: That the undersigned, have this day Located Fifteen Hundred (1,500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all Mineral Deposits contained therein, and all Timber growing within the limits of said claim, and all Water and Water privileges thereon or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States, under which it is Located.

This claim commences at this Monument and Notice placed upon the ledge, and runs Fifteen Hundred (1,500) feet in a North-easterly direction along the ledge.

The Exterior boundaries are as follows, viz:

Commencing at this Monument and Notice, and running Three Hundred (300) feet in an easterly direction to monument at S.E. corner of claim; thence in a northeasterly direction parallel with the ledge Fifteen Hundred (1,500) feet to Monument at N.E. corner of claim; thence in a westerly direction at right angles across the ledge Six Hundred (600) feet to monument at N.W. corner of claim; thence parallel with the lode in a southwesterly direction Fifteen Hundred (1,500) feet to monument at S.W. corner of claim; thence at right angles across the ledge in an easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about one half Mile South east of United States M.M.No.1 placed and located in French Gulch. in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Polar Star Lode Mining Claim.

DATED ON THE GROUND, this seventh day of February, 1895.

Geo.T.Millner.

Recorded at request of Geo.T.Millner March 16th A.D.1895

at 1.40 o'clock P.M., in Book 37 of Mines, Page 357 Records of Yavapai County, Arizona.

(L.S.)

F.A. Tritle
County Recorder.

TERRITORY OF ARIZONA, |
 | SS:
COUNTY OF YAVAPAI. |

I, W.I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Polar Star Lode Mining Claim, as the same appears of record in Book 37 of Mines, page 357, Records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct. 1898.



W.I. Johnson
County Recorder
E. Avery
Deputy.

COPPEROPOLIS.

NOTICE OF LOCATION

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, have this day located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all mineral deposits contained therein, and all Timber growing within the limits of said claim, and all water and water privileges thereon or appurtenant thereto under and according to the provisions of the Mining Laws of the United States, under which it is located.

This claim commences at this monument and notice placed upon the ledge, and runs fifteen hundred (1500) feet in a Southwesterly direction along the ledge.

The Exterior boundaries are as follows, viz:

Commencing at this monument and notice, and running Three Hundred (300) feet in an Easterly direction to monument of stone at N.E. corner of claim; thence in a Southwesterly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at S.E. corner of claim; thence at right angles across the ledge in a Westerly direction Six Hundred (600) feet to monument at S.W. corner of claim; thence parallel with the lode in a Northeasterly direction Fifteen Hundred (1500) feet to monument at N.W. corner of claim; thence at right angles across the ledge in an Easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about 2000 feet in a Southwesterly direction from the United States M.M. No. 1 placed and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Copperopolis Mining Claim.

Dated on the ground, this Seventh day of February, 1895.

Geo T. Millner.

Recorded at request of Geo. T. Millner, March 16th A.D. 1895, at 1:40 o'clock P.M. in Book 38 of Mines, page 334, Records of Yavapai County, Arizona.

(L.S.) ~~XXXXX~~ F.A. Tritle,
By M.O. Archibald, Deputy. County Recorder.

TERRITORY OF ARIZONA,
COUNTY OF YAVAPAI. | SS

I, W.I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Copperopolis Mining Claim as the same appears of record in Book 38 of Mines, page 334, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct., 1895.

W.I. Johnson
County Recorder.
F.A. Tritle
Deputy.



FAIRPLAY.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned have this day located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all mineral Deposits contained therein, and all Timber growing within the limits of said claim, and all water and water privileges thereon or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States under which it is Located.

This claim commences at this Monument and Notice placed upon the ledge, and runs Fifteen Hundred (1500) feet in a Southwesterly direction along the ledge.

The Exterior Boundaries are as follows, viz:

Commencing at this Monument and Notice, and running Three Hundred (300) feet in an Easterly direction to monument of stone at N.E. corner of claim; thence in a Southwesterly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at S.E. corner of claim; thence at right angles across the ledge in a Westerly direction Six Hundred (600) feet to monument at S.W. corner of claim; thence parallel with the lode in a Northeasterly direction Fifteen Hundred (1500) feet to monument at N.W. corner of claim; thence at right angles across the ledge in an Easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about 1500 feet in a Westerly direction from United States M.M.No.1 place, and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona territory, and shall be known as the Fairplay Lode Mining Claim.

Dated on the ground, this Seventh day of February, 1895.

Geo. T. Millner.

Recorded at request of Geo. T. Millner, March 16th A.D. 1895, at 1:40 o'clock P.M. in Book 38 of Mines, page 332, Records of Yavapai County, Arizona.

By M.O. Archibald, (L.S.) F.A. Tritle,
deputy. County Recorder.

TERRITORY OF ARIZONA, |
COUNTY OF YAVAPAI. | SS:

I, W.I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Fairplay Lode Mining Claim as the same appears of record in Book 38 of Mines, page 332, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct. 1898.

W. I. Johnson
County Recorder.

By *E. C. Avery* deputy.



DEFIANCE.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned have this day Located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all Mineral Deposits contained therein, and all timber growing within the limits of said claim, and all water and water privileges thereon or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States, under which it is located.

This claim commences at this monument and notice placed upon the ledge, and runs Fifteen Hundred (1500) feet in a Southwesterly direction along the ledge.

The Exterior boundaries are as follows, viz:

Commencing at this monument and Notice, and running Three Hundred (300) feet in an Easterly direction to monument of stone at N.E. corner of claim; thence in a Southwesterly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at S.E. corner of claim; thence at right angles across the ledge in a Westerly direction Six Hundred (600) feet to monument at S.W. corner of claim; thence parallel with the lode in a Northeasterly direction Fifteen Hundred (1500) feet to monument at N.W. corner of claim; thence at right angles across the ledge in an Easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about three fourths of a mile Southwest from United States M.M. No. 1 placed and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Defiance Lode Mining Claim.

Dated on the Ground, this Seventh day of February, 1895.

Geo. T. Millner.

Recorded at request of Geo. T. Millner, March 16th A.D. 1895, at 1:40 o'clock P.M. in Book 38 of Mines, page 331, Records of Yavapai County, Arizona.

By M.O. Archibald, (L.S.) F.A. Tritle,
Deputy. County Recorder.

TERRITORY OF ARIZONA,

COUNTY OF YAVAPAI.

§§:

I, W. I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Defiance Lode Mining Claim, as the same appears of record in Book 38 of Mines, page 331, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th. day of Oct. 1898.

W. I. Johnson
County Recorder.
By *E. O. Avery* Deputy.



COPPER GLANCE.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned have this day located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all mineral deposits contained therein, and all timber growing within the limits of said claim, and all water and water privileges thereon, or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States, under which it is Located.

This claim commences at this monument and notice placed upon the ledge, and runs Fifteen Hundred (1500) feet in a Southwesterly direction along the ledge.

The exterior boundaries are as follows, viz:

Commencing at this monument and notice, and running Three Hundred (300) feet in an Easterly direction to monument of stone at N.E. corner of claim; thence in Southwesterly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at S.E. corner of claim; thence at right angles across the ledge in a Westerly direction Six Hundred (600) feet to monument at S.W. corner of claim; thence parallel with the lode in a Northeasterly direction Fifteen hundred (1500) feet to monument at N.W. corner of claim; thence at right angles across the ledge in an Easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about one half mile Southwest of United States M.M.No.1 placed and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Copper Glance Lode Mining Claim.

Dated on the ground, this Seventh day of February, 1895.

Geo. T. Millner.

Recorded at request of Geo. T. Millner, March 16th A.D. 1895, at 1;40 o'clock P.M. in Book 38 of Mines, page 330, Records of Yavapai County, Arizona.

By M.O. Archibald, Deputy. (L.S.) F.A. Tritle, County Recorder.

TERRITORY OF ARIZONA, |
| SS:
COUNTY OF YAVAPAI. |

I, W.I. JOHNSON, County Recorder in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Copper Glance Mining Claim, as the same appears of record in Book 38 of Mines, page 330, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct. 1898.

W.I. Johnson
County Recorder.

By *E. Avery* Deputy.



6
said claim.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS: That.....the undersigned, have this day Located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all ^{and all timber growing within the limits} Mineral Deposits contained therein, and all Water and Water Privileges thereon or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States, under which it is Located.

This claim commences at this Monument and Notice placed upon the ledge, and runs Fifteen Hundred (1,500) feet in a North-easterly direction along the ledge.

The Exterior boundaries are as follows, viz:

Commencing at this Monument and Notice, and running Three Hundred (300) feet in an easterly direction to monument at S.E. corner of claim; thence in a northeasterly direction parallel with the ledge Fifteen Hundred (1,500) feet to monument at N.E. corner of claim; thence in a westerly direction at right angles across the ledge Six Hundred (600) feet to monument at N.W. corner of claim; thence parallel with the lode in a southwesterly direction Fifteen Hundred (1,500) feet to monument at S.W. corner of claim; thence at right angles across the ledge in an easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about one half mile south of United States M.M.No.1 placed and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Tourmaline Lode Mining Claim.

DATED ON THE GROUND, this 7th day of February, 1895.

Geo. T. Millner.

Recorded at request of Geo. T. Millner Mch. 16 A.D. 1895, at 1:40 o'clock P.M., in Book 37 of Mines, Page 355, Records of Yavapai County, Arizona.

F. A. Tritle

(L.S.)

County Recorder.

TERRITORY OF ARIZONA, |
 COUNTY OF YAVAPAI. | SS:

I, W. I. JOHNSON, COUNTY RECORDER in and for said County, in said Territory, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Tourmaline Mining Claim as the same appears of record in Book 37 of Mines, page 355, Records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct. 1898.

W. I. Johnson
 County Recorder.

By *E. Blumery* Deputy.



SUNSET LODGE.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, have this day located Fifteen Hundred (1500) linear feet of this vein or lode, bearing precious metals, with all dips, spurs, angles and variations, with surface ground Three Hundred (300) feet on each side of the center of vein, with all Mineral Deposits contained therein, and all timber growing within the limits of said claim, and all water and water privileges thereon or appurtenant thereto, under and according to the provisions of the Mining Laws of the United States, under which it is located.

This claim commences at this monument and notice placed upon the ledge, and runs Fifteen Hundred (1500) feet in a Northeasterly direction along the ledge.

The Exterior boundaries are as follows, viz:

Commencing at this monument and notice, and running ~~thence~~ Three Hundred (300) feet in an Easterly direction to monument at S.E. corner of claim; thence in a Northeasterly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at N.E. corner of claim; thence in a Westerly direction at right angles across the ledge Six Hundred (600) feet to monument at N.W. corner of claim; thence parallel with the lode in a Southwesterly direction Fifteen Hundred (1500) feet to monument at S.W. corner of claim; thence at right angles across the ledge in an Easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about three fourths of a mile Southeast of (from) United States M.M. No. 1 placed and located in French Gulch, in Walnut Grove Mining District, Yavapai County, Arizona Territory, and shall be known as the Sunset Lode Mining Claim.

Dated on the ground, this Seventh day of February, 1895.

Geo. T. Millner.

Recorded at request of Geo. T. Millner, March 16 A.D. 1895 at 1:40 o'clock P.M. in Book 37 of Mines, page 358, Records of Yavapai County, Arizona.

(L.S.) F.A. Tritle,
County Recorder.

TERRITORY OF ARIZONA, }
 } SS:
COUNTY OF YAVAPAI. }

I, W. I. JOHNSON, County Recorder in and for said County, in said Territory and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with and the same is a full, true and correct copy of the Notice of Location of the Sunset Lode Mining Claim, as the same appears of record in Book 37 of Mines, page 358, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct., 1898.

W. I. Johnson
County Recorder
J. C. Avery
Deputy.



MANILLA LODE.

NOTICE OF MINING LOCATION.
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the Manilla Lode Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by John H. Canavan, the undersigned, on the 22 day of Aug. 1898.

The length of this claim is 1500 linear feet, said claim runs 500 feet in a South Westerly direction and 1000 feet in a North Easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North East to the South West.

The claim is situated and located in the Walnut Grove Mining District, in Yavapai County, in the Territory of Arizona, the N.E. corner is placed at U.S. Min. monument No. 1 Walnut Grove Min. Dist. Arizona.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument & stake placed on the ledge at a point in a South West direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the West end line of said claim; thence N.W. 300 feet to a Mon. & stake, being the N.W. corner of said claim; thence N.E. 750 feet to a mon. & stake at the center of the North side line of said claim; thence same course 750 feet to a mon. & stake being the N.E. corner of said claim; thence S.E. 300 feet to a mon. & stake at the center of the North end of said claim; thence same course 300 feet to a mon. & stake being the S.E. corner of said claim; thence South West 750 feet to a mon. & stake being at the center of the South side line of said claim; thence same course 750 feet to a Mon. & stake at the S.W. corner of said claim; thence N.W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines, approved March 20th, 1895.

Dated and posted on the ground this 22 day of Aug, 1898.
J.H. Canavan.

Witness Geo. Millner.

Filed and recorded at request of J.H. Canavan, October 24" A.D. 1898. at 9:00 o'clock A.M. in Book 50 of Mines, page 281 Records of Yavapai County, Arizona.

By J.H. Forbes, Deputy. (Seal) W.I. Johnson, County Recorder.



TERRITORY OF ARIZONA, |
COUNTY OF YAVAPAI. | SS

I, W.I. JOHNSON, County Recorder in and for the County of Yavapai, in said Territory and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the Notice of Location of the Manilla Lode Mining Claim as the same appears of record in Book 50 of Mines, page 281 Records of Yavapai County, Arizona.

In witness whereof, I have hereunto set my hand and affixed my official seal, this 25th., day of Oct., 1898.

By E. Canavan Deputy. W.I. Johnson County Recorder.

(4-687.)

Surveyor General's Certificate of Approval of Field Notes and Survey of Mining Claim.

Department of the Interior,

Office of U. S. Surveyor General,

Tucson, Arizona

March 11, 1899.

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 *Gonia Copper Mining Company*

known as the *Polar Star, Copperopolis, Fair*

play, Defiance, Copper Glance, Tourmaline, known as the

Sunset and Manila lodes,

situate in *Walnut Grove* mining district,

Yavapai County, *Arizona*,

in Section *approx.*, Township No. *11 N.*, Range No. *4 W., S. 1. R. D. 1. M.*

(unsurveyed), designated as Survey No. *1324*

executed by *J. J. Fisher*, U. S. Deputy Mineral

Surveyor, *Nov. 23-28*, 1898, under my instructions dated

Nov. 9, 1898, have been critically examined and the

necessary corrections and explanations made, and the said Field Notes and Return, and

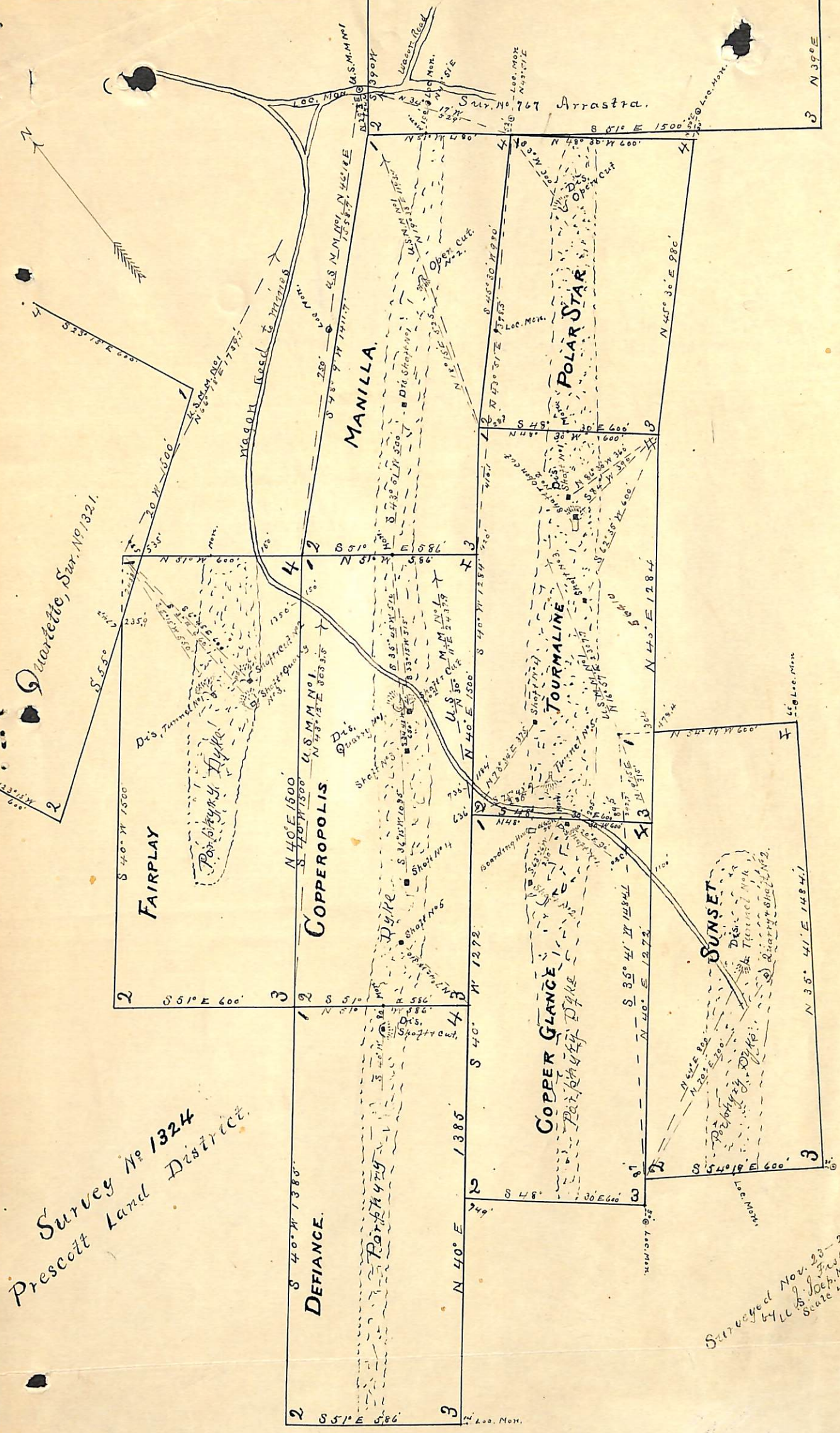
the Survey they describe, are hereby approved. A true copy of the copy of the location

certificate^s filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for *Arizona*.

Survey No 1324
Prescott Land District



Surveyed Nov. 23-28, 1898
by L. C. Fisher
J. C. Miller, Surveyor,
State 400ft. to the inch