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(4-683.)

Mineral Survey No. 1323 A+B.

Lot No. _____

Prescott

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Jonia Copper Mining Company

KNOWN AS THE

Sun Flow, Lone Pine, Truccion, Iron Hat & Iron Hat Mill-site, Walnut Grove Mining District,

Yavapai County, Arizona.

Section Approx. in, Township 17 N, Range 4 W.

Surveyed under instructions dated Nov. 9th, 1898,

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

Claims located Jan. 14/98, Oct 14/98, July 24/98 & Oct 14/98, 1898.

Survey commenced Nov. 28th, 1898.

Survey completed Nov. 30th, 1898.

o 6-160

Mrs. J. Hawkins
Atty in fact for Claimant
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 Iron Copper Mining Company

known as the Sunflower Iron Hat Line Pines & Fracture holes & Iron Hat Mill site situate in Walmuch Grove mining district, Jarapae 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 28th 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 Iron Copper Mining Company

known as the Sunflower Iron Hat Line Pines & Fracture holes & Iron Hat Mill site more fully described in the preceding affidavit.

E. H. Draper, Axeman.

Subscribed and sworn to by the said E. H. Draper before me this 28th day of

My commission expires May 10th 1900

November, 1898.

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 Iron Copper Mining Company

known as the Sunflower Iron Hat Line Pines & Fracture holes & Iron Hat Mill site known as the _____ more fully described in the preceding affidavit.

C. McMahon, Flagman.

Subscribed and sworn to by the said C. McMahon before me this 28th day of

November, 1898.

My commission expires May 10th 1900

J. J. Fisher
Notary Public



(1)

3

Survey No 1323 A.T.B

Feet

Sun Flower Lode.

Beginning at Cor. No. 1, which is also Cor. No. 3, Fountain Survey No 762. The south ~~East~~ ^{West} cor. of claim, identical with Co. mine. A porphyry stone 8x12x24 ins. set one foot in ground along side of Stake F. No. 3, and along side built a mon. of stones 3 feet on base and 3 feet high. Stone marked S.F. No 1-1323 A. A+ on a porphyry rock in place. Marked B.R. S.F. No 1-1323 A. $\text{Bearing } N 20^{\circ} 40' W$ 19.2 feet, A+ on a porphyry rock in place. Marked B.R. S.F. No 1-1323 A. $\text{Bearing } S 15^{\circ} 40' E$ 23.3 feet. U.S.M.M. No 1. $\text{Bearing } S 63^{\circ} 33' W$ 373.5 feet

Thence $N 60^{\circ} E$

Var $14^{\circ} E$

- 30.4 To Cor. No. 1. Fraction of this survey at intersection of line 5-6 Arveston, Survey No 767. at $S 51^{\circ} E$ 140.5 feet from Cor. No 6
- 800 To south side ^{loc.} mon. a mon. of stones and stake
- 850 To wagon road. course. N. and S.
- 1500 To Cor No 2. Orig. loc. mon. a mon. of stones and stake $\text{Bearing } N 60^{\circ} E$ 125 feet. A porphyry stone 9x10x24 ins. set one foot in ground and surrounded by mon. of stones. Stone marked S.F. No 2-1323 A. A+ on porphyry rock in place, marked B.R. S.F. No 2-1323 A. $\text{Bearing } N 22^{\circ} E$ 17.8 ft. A+ on porphyry rock in place, marked B.R. S.F. No 2-1323 A. $\text{Bearing } S 85^{\circ} W$ 45.6 ft.

Thence $N 22^{\circ} W$

East Var $14^{\circ} E$

- 195.5 To North west corner of Fraction Lode of this survey.

Survey No 1323 A

- Feet
- 300 To N.E. center end mon. a mon. of stones 3 feet on base and 3 feet high.
Orig loc. mon. bes $N 60^{\circ} E$ 130 feet a mon. of stones and stake.
- 600 To Cor. No 3, Orig loc. mon bes $N 60^{\circ} E$ 100 feet, an oak post set in mound of stones.
A low stone $6 \times 10 \times 30$ ins, set one foot in ground, surrounded by a mon. of stones. Stone marked S. F. No 3-1323 A.
A + on a lava rock in place, marked B. R. S. F. No 3-1323 A bes. $N 54^{\circ} 17' E$ 70 ft.
A + on a lava rock in place, marked B. R. S. F. No 3-1323 A bes. $N 38^{\circ} 55' E$ 49 feet.
Cor. No 3 is identical with N.E. cor. of Lone Pine Location.

Thence $S 60^{\circ} W$ Var. $14^{\circ} E$

- 700 To north side mon. and stake of the loc.
- 1500 To Cor No 4, Identical with loc. being also Cor. No 5. Fountain Survey No 762.
A porphyry stone $6 \times 6 \times 24$ ins, set one foot in ground along side of stone F. No 5. surrounded by mon. of stones.
Stone marked S. F. No 4-1323 A.
A + on a pine tree 8" diameter, blazed and marked B. R. S. F. No 4-1323 A bes. $N 88^{\circ} 55' W$ 90 feet. No other bearing available.

Thence $S 22^{\circ} E$ Var. $14^{\circ} E$

- 300 To south west center end mon. a stake in mound of stones. Identical with location.
- 541.5 To intersect line 6-5. Arrastre Code at $S 51^{\circ} E$ 78.5 feet from Cor. No 6.

(31)

5

Survey No 1323 A

Feet

600

Sewer Flow Lode

To cor. No 1. the place of beginning survey of exterior boundaries.

Note, - The disagreement between these field notes, and the location certificate of the Sewer Flow, with regard to courses and distances are due to errors in the latter.

Lone Pine Lode

Beginning at the S.W. corner of claim. Identical with the S.W. cor. of the location, Cor. No 1

A porphyry stone $4 \times 8 \times 24$ ins. set one foot in ground and surrounded by a mon. of stones, stone marked L.P. No 1-1323 A.

A+ on a porphyry rock in place, marked B.R. L.P. No 1-1323 A bes. $S 13^{\circ} 40' E$ 220 feet.

U.S.M.M. No 1. bes. $S 55^{\circ} 50' E$ 625.9 feet.
No other bearings available.

Thence $N 60^{\circ} E$ Var. $14^{\circ} E$

60

To wagon road, course N. + S.

200

To Cor No 5. Fountain Survey No 762. and Cor. No 4 Sewer Flow of this survey.

1000

To south side loc. mon, a stake in mound of stones. Identical with ~~some~~

1500

To Cor. No 2. Orig loc. mon, a stake in mound of stones. bes $N 60^{\circ} E$ 200 feet.
A porphyry stone $6 \times 8 \times 24$ ins. set one foot in ground and surrounded by a mon. of stones, stone marked L.P. No 2-1323 A.

A+ on a porphyry rock in place marked B.R. L.P. No 2-1323 A bes.

Survey No 1323 A

Feet

Love Pine Lode

N 77° 46' E 40 feet

A + on a porphyry rock in place, marked
B.R.L.P. No 2-1323 A bes S 81° 30' W 35.5 ft.

Thence N 22° W

Var. 14° E

300

To east center end mon. a mon. of
stones 3 feet in base and 3 feet
high. Orig. East center end mon. of
the location bes. N 60° E 100 feet.

600

Same course to cor. No 3

Orig. N. E. cor. mon. of the location bes.
N 8° W 16 feet.A lava stone 6 x 12 x 24 ins. set one
foot in ground and surrounded by
a mon. of stones. Stone marked
L.P. No 3-1323 A.A + on a lava rock in place, marked
B.R.L.P. No 3-1323 A bes. N 54° 2' W
35.1 feet. A + on a lava rock in
place, marked B.R.L.P. No 3-1323 A
bes. N 70° 3' E 135 feet.

Thence S 60° W

Var. 14° E ^{location}

800

To north side mon. a stake in mon.

of stones. Identical with same

1385

To wagon road, course N. T. L

1500

To Cor. No 4

Orig loc. corner, a mon. of stones
and stake bes. S 60° W 125 feet.A porphyry stone 4 x 10 x 24 ins. set one
foot in ground and surrounded
by a mon. of stones. Stone marked
L.P. No 4-1323 A.A + on a porphyry rock in place
marked B.R.L.P. No 4-1323 A bes.N 82° 45' E 31.8 feet. A + on a porphyry
rock in place, marked B.R.L.P.

Survey No 1323 A

Fut.

Love Pine Lode

No 4-1323 A base S 51° 20' W 105 feet.

Hence S 22° E

Var. 14° E

300

To west center end mon. a mon. of stones, 3 feet on base and 3 feet high Orig. Lode, mon. base S 60° W 65 feet.

572.2

To intersect line 5-6. Fountain hole Survey No 762 at S 68° W 198 feet from cor. No 5.

600

To cor. No 1. the place of beginning survey of exterior boundaries.

Fracture Lode

Beginning at Mon. and Stake being the south-west center end of claim.

At a point on line 6-5 Arastria Lode, at S 51° E 440.5 feet from cor. No 6. Identical with the location.

Hence N 51° W

Var. 14° E

300

To Cor. No 1. Identical with cor. of the location, at the intersection of line 1-2. Sun Flower Lode of this survey with line 5-6. Arastria Lode. Survey No 767 being N 60° E 30.4 ft from cor. No 1 Sun Flower

A porphyry stone 6 x 6 x 24 ins. set one foot in ground and surrounded by a mon. of stones, marked F. No. 1-1323 A

A + on a porphyry rock in place marked B.R. F. No 1-1323 A base.

S 47° 35' E 41.7 feet.

A + on a porphyry rock in place, marked B.R. F. No 1-1323 A base.

S 0° 45' E 37 feet.

U.S.M.M. No 1 base S 63° 15' W 408.5 feet.

Survey No 1323 A

Feet

Fraction Lode

Thence N 52° 36' E

Var. 14° E

900

To wagon road; course N. r S.

925

To north side mon. a mon. of stones and stake, identical with same.

1504.2

To cor. No 2. at intersection of line 2-3. See Flower Lode of this survey at N 22° W 195.5 ft. from cor. No 2. Orig. loc. mon. bis. N 24° 24' E 180 feet, a mon. of lines + stake. A lava stone 5x10x24 ins, set one foot in ground ~~and surrounded~~ and surrounded by a mon. of stones, stone marked F. No 2-1323 A, no trees or rocks in place available for bearings.

Thence S 51° E

Var. 14° E

235

To north east, center end mon. a mon. of stones 3 feet on base and 3 feet high. Orig. loc. mon bis. north 30 feet.

400

same course to cor. No 3. Identical with the N.E. corner of the location, which is also the N.W. corner of the location of the Iron Hat Lode of this survey. A porphyry stone 4x12x24 ins. set one foot in ground and surrounded by a mon. of stones, stone marked F. No 3-1323 A. Same stone marked J.H. No 2-1323 A. for Cor. No 2. Iron Hat of this survey. A + on a porphyry rock in place, marked B.R. F. No 3-1323 A bis. S 29° 10' E 150 feet. A + on a slate reef, marked B.R. J.H. No 2-1323 A bis. S 13° 45' E 175 feet.

Thence S 45° W

Var. 14° E

720

To south east side, ^{location} mon. of stones and stake. Identical with same.

1470

To corner No 4. Identical with S.E. cor. of the location, on line 5-6 of Anastria Survey No 767 at N 51° W 7659.5 feet from cor. No 5 Anastria. which is also

V

Survey No 1323 A

Feet

Fraction Lode

the S.W. corner of the location of the Iron Hat lode of this survey.

A pine post 4x4 ins x 4 feet long set 18 ins in ground and surrounded by a mon. of stones. Post marked F. No 4-1323 A, same post marked on opposite side, I.H. No 1-1323 A for Cor. No 1. Iron Hat of this survey.

A + on a porphyry rock in place. Marked B.R. F. No 4-1323 A by N 34° W 36 feet.

A + on a porphyry rock in place marked B.R. I.H. No 1-1323 A by S 4° W 34 feet.

Thence N 51° W
Tan. 14° E

- 50 To Laboratory
- 110 To wagon road to smelter, course South East.
- 250 To wagon road to mines, course North East & S.W.
- 300 To S.W. center end, the place of beginning survey of exterior boundaries.

Iron Hat Lode

Beginning at Corner No 1. the S.W. corner of claim. Identical with the South West corner of the location which is also Cor. No 4. Fraction of this survey. Corner described above.

U.S. M.M. No 1. by N 76° 53' W
849.3 feet.

Survey No 1323 A

Feet

Crow Hat Lode.

Thence $N 45^{\circ} E$

West Var. $14^{\circ} E$

750

To north side mon. & stake, identical with loc.

1470

To Cor. No 2. Identical with loc.

Also with cor. No 3. Fraction of this survey. Corner described above.

Thence $S 51^{\circ} E$

Var. $14^{\circ} E$

300

To north east center end ^{loc.} mon. and stake

600

To Corner No 3. Orig. loc. mon. bes. $S 51^{\circ} E$

$E 140$ feet. a mon. of stones and stake.

A porphyry stone $4 \times 10 \times 24$ ins. set one

foot in ground and surrounded by

a mon. of stones. Stone marked

J. H. No 3 - 1323 A.

A+ on a porphyry rock in place, marked

B. R. J. H. No 3 - 1323 A bes. $S 31^{\circ} 5' W$

40.5 feet. No other bearing available.

Thence $S 45^{\circ} W$

East Var. $14^{\circ} E$

670

To south ^{loc.} side mon. and stake.

1470

To Cor. No 4. Orig loc. mon. bes $S 51^{\circ} E$

30 feet, a mon. of stones and stake.

A porphyry stone $4 \times 10 \times 24$ ins. set

one foot in ground and surrounded

by a mon. of stones. Stone marked

J. H. No 4 - 1323 A.

A+ on a porphyry rock in place

marked B. R. J. H. No 4 - 1323 A bes.

$S 33^{\circ} 48' W 40.5$ feet.

A+ on a porphyry rock in place

marked B. R. J. H. No 4 - 1323 A bes.

$S 73^{\circ} 38' E 39.5$ feet.

Cor No 5 Arastu Lode. Survey No 767

bes. $S 51^{\circ} E 159.5$ feet.

Survey No 1323 A

Feet

Iron Hat Lodge

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

- 300 To south-west corner end ^{loc.} now, and stake
600 To Cor. No 1. the place of beginning
survey of exterior boundaries.

Survey No 1323 B.

Iron Hat Mill-site.

Beginning at a now, and post
Identical with Stone A, No 4. Arastua
Survey No 767.

Thence $N 39^{\circ} E$ Var. $14^{\circ} E$

- 75 To Cor. No 1. Identical with cor. of
the location. U.S.M.M. No. 65, $N 56^{\circ} 01' W$ 15.55 feet
A slate stone $6 \times 8 \times 30$ ins. set one
foot in ground and surrounded
by a now. of stones. Stone marked
I.H. No 1-1323 B.

A + on a slate ref. marked I.H. No 1-
1323 B, B.R. bes. $S 47^{\circ} 10' E$ 22.1 feet
A + on a slate ref. marked B.R. I.H.
No 1-1323 B bes. $S 14^{\circ} 43' E$ 44.9 feet,
Cor. No 4. Iron Hat Lodge, Survey No 1323 A. bes. $N 3^{\circ} 36' E$ 276 feet.

Thence $S 65^{\circ} E$ Var. $14^{\circ} E$

- 750 To Cor. No 2. Identical with corner
of the location.
A slate stone $3 \times 8 \times 24$ ins. set one
foot in ground and surrounded by
a now. of stones. Stone marked
I.H. No 2-1323 B.
A + on a porphyry rock in place.

Survey No 1323 B

Feet

From Hat Mills site

Marked B.R.I.H. No 2-1323 B. bes.

N 69° 46' W 14.8 feet.

A + on a stable reef, marked B.R.I.H.

No 2-1323 B bes. S 38° 43' E 25 feet.

Thence S 39° W

Var. 14° E

200

To French Gulch, course south East
width 50 feet.

290.4

To Cor. No 3. Identical with location Cor.

A porphyry stone 6 x 8 x 30 ins, set
one foot in ground and surrounded
by a mon. of stones. Stone marked
I.H. No 3-1323 B.A + on a porphyry rock in place
marked B.R.I.H. No 3-1323 B bes.S 39° W 27 feet. No other bearings
available.

Thence N 65° W

Var. 14° E

750

To Cor. No 4. Identical with cor.
of location.But a + for corner point on a
slate rock in place and I.H. No 4-
1323 B. Along side built a mon
of stones.Stone A. No 3. Arrastra hole
Survey No 767 bes S 39° W 4.6 feet
No bearing available.

Thence N 39° E

Var. 14° E

100

To French Gulch, course S.E. width 50 feet

215.4

To Initial mon. & stake the place of
beginning survey of exterior
boundaries.

Survey No 1323 A + B

Area

Sun Flower Lode

Gross area 20,459 acrs.
 Less Area in conflict with
 Arriatia Survey No 767 0.02 + acrs
 Net area Sun Flower Lode 20,439 acrs.

Lone Pine Lode

Gross area 20,459 acrs.
 Less conflict with Fournain
 Lode Survey No 762 0.060 acrs
 Net area Lone Pine Lode 20,399 acrs.

Fractious Lode

Gross Area 16,781 acrs.
 Less conflict with Sun Flower
 Lode of this Survey 3.321 acrs
 Net area Fractious Lode 13,460 acrs.
 Total net area.

Iron Hat Lode 20,138 acrs

Iron Hat Mill site 4,851 acrs.
 Total ^{and} Net area ~~to~~ claims 79,287 acrs

Location

This claim is located on unsurveyed land, approximately in Township 11 North Range 4 West, G + S. R. meridian, in Walnut Grove Mining District, Yavapai County Arizona. The adjoining claims are the Arriatia Survey No 767, Fournain Survey No 762 and the Congress, unsurveyed all to the south and west, no other adjoining claims at time of survey.

Two thousand

Expenditure of Five hundred dollars

I certify that the value of the labor and improvements upon this claim, per cent thereon by the claimant and its grantors is not less than two thousand dollars or an amount equal to \$500 for each lode claim embraced in the application and that said improvements consist of.

Survey No 1323 A+B
Improvements

Sun Flower Lode.

Discovery Tunnel No 1.

which bis. from Cor. No 1, N 77° E 970 feet
Course of Tunnel East, 4 x 6 feet 70 feet long.

Value \$700

Shaft & Cut No 2.

which bis. from Cor. No 2 S 87° 30' W 680 feet.
Cut 12 x 14 feet 10 foot face
Shaft 6 x 8 feet 65 feet deep.

Value \$900.00

Tunnel No 3.

which bis. from Cor. No 2. S 86° W 650 feet
Course N. W 4 x 6 feet 35 feet long.

Value \$350

Steam hoist at mouth of Tunnel No 3.

Value \$2000.00

Tunnel No 4.

which bis. from Cor. No 2. S 82° 15' W 680 feet
Course North, 4 x 6 feet, 34 feet long.

Value \$340.00

Lone Pine Lode

Shaft & Cut.

which bis. from Cor. No 4. Sun Flower
Lode of this survey, N 21° 15' E 390 feet.

Cut, 4 x 27 feet 15 foot face

Shaft 4 x 6 feet 5 feet deep.

Value \$150.00

Survey No 1323 A+B Improvements

Fraction Lode

Shaft + cut, Discovery,
which lies from Cor No 4 N 15° 30' E 525 ft.
Cut 10 x 12 feet, 10 foot face
Shaft 4 x 6 feet 5 feet deep
Value \$100.

Chemical Laboratory

The south ^{west} corner of which lies,
from Cor No 4 N 50° 10' W 50 feet, building
20 x 30 feet.
Value \$500

Iron Hat Lode

Discovery Quarry and Shaft No 1
which lies from Cor. No 2.
S 26° 30' E 450 feet.
Quarry 4 x 22 feet, 12 foot face.
Shaft 4 x 6 feet 4 feet deep.
Value \$150

Quarry No 2.

which lies from Cor. No 2 South 340 feet.
8 x 12 feet, 5 feet deep
Value \$100

Cut No 3.

which lies from Cor. No 2.
S 20° 15' E 540 feet.
4 x 10 feet 5 foot face
Value \$50.00

A wayon road to mines for the
benefit of all the claims of this
survey, about 3000 feet in length
Value \$500
To be accreted to each claim \$125.

Survey No 1323 A. & B

Improvements

A smelting and reduction plant which
 lies from Cor. No 4 Fraction S 45° W 110 feet.
 Value to exceed \$15,000.00

The Zonia Copper ^{mining} Company has acquired
 by purchase, the Anastra lode, Survey No 767
 upon which they are now building a smelter
 and reduction works and now have machinery
 and smelter ~~on~~ the ground, exceeding the
 value of \$15,000.00. This improvement and
 expenditure is made for the benefit of all the
 mines of this group and also for the benefit
 of all the mines of Survey No 1324, and is
 for the reduction of the cost of all the different
 mines in the said groups. \$1250.00 is to be
 accredited to each lode claim of this
 Survey and \$250.00 is to be accredited to
 each lode claim of Survey No 1324. These two
 groups of mines, Survey's Nos 1323 A and 1324
 together with the Anastra Survey No 767, are
 contiguous and are owned by the Zonia
 Copper Mining Company.

Survey No 1323 A+B
Improvements

Iron Hat Mill site

At the time of making the survey, there were no improvements upon the ground. But before the time of publication expires, the claimants expect to be in use of the water and occupying the ground for smelter purposes.

Course and Length of mineral veins lodes
Sun Flower Lode

From discovery tunnel No. 1. The vein or lode runs in a north easterly direction 535 feet
And in a south westerly direction 965 feet.

Lone Pine Lode

From discovery shaft and open cut, vein or lode runs in a north easterly direction 1030 feet
And in a south westerly direction 100 feet.

Fraction Lode.

From discovery shaft + open cut vein or lode runs in a north easterly direction 1000 feet
And in a south westerly direction 500 feet

Iron Hat Lode or Deposit

From north-center end mon. the lode or deposits, which is iron ore, appears on the surface for 800 feet in a south westerly direction

Instrument

The survey was made with a Gunley 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.

Prescott Arizona
Dec. 28th 1898.

J. J. Fisher
U. S. Dep. Mineral Survey

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 Hor Copper Mining Company
 known as the San Lucas, Iron Hat, Lime Pine, Frachin, Iron Hat Millsite
 and showing the respective capacities in which they acted.

E. H. Draper , Chainman.
C. McMahon , Chainman.
E. H. Draper , Axman.
C. McMahon , Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. H. Draper
 and C. McMahon , do solemnly swear that we assisted J. J. 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 San Lucas Iron
Hat Lime Pine & Frachin base & Iron Hat Millsite , 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 , Chainman.
C. McMahon , Chainman.
E. H. Draper , Axman .
C. McMahon , Flagman.

Subscribed and sworn to by the above-named persons before me

my commission this 1st day of December, 1898
 at Phoenix May 10th 1900

J. J. Fisher
 Notary Public

J. J. Fisher

(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 November 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 the Jonica Copper Mining Company

, known as the Seven Snow Lone Pine, Fraction, Iron Hat and Iron Hat Mill-site situate in Walnut Grove Mining District,

Apache County, Arizona, in Section Approx. X, Township No. 11 N, Range No. 4 W, T & S. B. Mendocino and designated as Survey No. 1323 A & B,

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. Tritter
Registrar

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 Sum Horn Iron Hat Lone Pine & Trachin Iron & Sulphur 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 grantor ^{per claim} exceed Five Hundred Dollars in value, 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

21st day of December 1898

J. J. Fisher
Notary Public.

J. J. Fisher

My commission
exp. May 10th 1900

NON-MINERAL AFFIDAVIT.

TERRITORY OF ARIZONA,

County of Yavapai } ss.

E. H. Draper and C. M. Mahan of said

County and Territory, being first duly sworn, each for himself and not one for the other, deposes and says; that he is well acquainted with the land of the Iron Hat mill-site claim, situated in Walnut Grove

District, Gila and Salt River Meridian, in the County of

Yavapai and Territory of Arizona, claimed by Iron Copper Mining Company

applicant for United States patent therefor; that he is well acquainted with the character of said described land included within the boundary lines as officially surveyed by J. J. Fisher United States Deputy Mineral Surveyor, having frequently passed over the same; that his knowledge of such land is such as to enable him to testify understandingly with regard thereto; that there is not to his knowledge, within the limits thereof, any vein or lode of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin or copper, or any deposit of coal; that there is not within the limits of said land, within his knowledge, any placer, cement, gravel or other valuable mineral deposit; that no portion of said land is claimed under the local customs or rules of miners or otherwise; that no portion of said land is worked for minerals during any part of the year by any person or persons; that said land is essentially non-mineral land, and that there is within the boundaries of said claim improvements, to-wit:

and that he has no interest whatever in said described mill-site claim.

E. H. Draper
C. M. Mahan

Subscribed and Sworn to before me this 1st day of December A. D. 1898, and I hereby certify that the foregoing affidavit was read to the said E. H. Draper and C. M. Mahan

previous to their names being subscribed thereto, and that deponents are reputable persons to whose affidavits full faith and credit should be given.

J. J. Fisher

My Commission Expires May 10th 1900

J. J. Fisher
Notary Public

LOCATION NOTICE.

TER. OF ARIZONA }
 COUNTY OF YAVAPAI }
 SS:

KNOW ALL MEN BY THESE PRESENTS, That the undersigned have this 4th day of January, A.D. 1898 relocated and claimed, and by these presents, do relocate and claim by right of discovery and location in compliance with the Mining Acts of Congress, approved May 10th, 1872 and all subsequent acts, with local customs, laws and regulations 1500 linear feet and horizontal measurement on the Sun Flower lode, vein, ledge or mineral deposit, along the vein thereof, with all its' dips, spurs, angles and variations, as allowed by law together with 300 ft. on the South side and 300 ft. on the North side of the middle of said vein; and all veins, ledges or mineral deposits and surface grounds within the lines of said claim 604 ft. running N. 61° E. from mouth of discovery tunnel and 896 ft. running S. 61° W. from mouth of discovery tunnel, said discovery tunnel being run and situate upon said lode of vein, and within the lines of said claim, all of which is situate, lying and being on the North side of French Gulch in the Walnut Grove Mining District, County of Yavapai and Ter. of Arizona, the exterior boundaries of said claim are placed and marked on the ground by substantial posts, as follows, to-wit:

Beginning at corner No. 1 the S.W. cor. the same being S.E. corner No. 3 of the Fountain Lode, U.S. Mineral Survey No. 37, whence discovery tunnel of Sun Flower Lode bears N. 43° 43' E. 1001 ft. thence N. 61° E. 750 ft. to South side line center stake on same course 1500 ft. to S.E. corner No. 2, a pine post set in mound of stone, thence N. 17° 30' W. 306.2 ft. to center stake on East end of claim on same course 612.4 ft. to N.E. corner No. 3, an oak post set in mound of stones thence S. 61° W. 750 ft. to North side line center stake on same course 1500 ft. to N.W. corner No. 4 a pine post set in mound of Iron ore, thence S. 17° 30' E. 306.2 ft. along the east end line of Fountain Lode to west end center stake on same course 612.4 ft. to place of beginning.

Assumed variation 14° E.. A part of the ground located

was formerly known as the Blue Jay Lode.

Dated on the ground this 4th day of January, A.D. 1898.

Geo. T. Millner

Locator.

Recorded at request of Geo. T. Millner, M'ch. 15th, A.D. 1898, at 9:00 o'clock A.M. in Book 48 of Mines, pages 535 to 537, Records of Yavapai County, Arizona.

W. I. Johnson

(SEAL)

County Recorder.

By E. C. Averyt

Deputy.

TERRITORY OF ARIZONA §

COUNTY OF YAVAPAI §

§ SS:
§

I, W. I. JOHNSON, Recorder in and for the County of Yavapai in the Territory of Arizona 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 SUN FLOWER Mining Claim as the same appears of record in my Office in Book 48 of Mines pages 535 to 537, Records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of my office this the 26th day of October, A.D. 1898.

W. I. Johnson

County Recorder.

By *E. C. Averyt*
Deputy



LONE PINE.

NOTICE OF MINING LOCATION.
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim the name of which is the Lone Pine 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 Zonia Copper Mining Co., by their agent John H. Canavan, the undersigned, on the 14th day of October, 1898.

The length of this claim is fifteen hundred feet running 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, about 1200 feet in a North Easterly direction from U.S. mineral monument No 1 Walnut Grove Min. Dist.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument and stake placed at a point in a South Westerly direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the South West end line of said claim; thence N. Westerly 300 feet to a Monument & stake being the N.W. corner of said claim; thence N. Easterly 750 feet to a mon. & stake at the center of the North side line of said claim; thence same course 1500 feet to a monument & stake being at the N. East corner of said claim; thence South Easterly 300 feet to a monument & stake at the center of the N. East end ~~line~~ of said claim; thence same course 600 feet to a monument & stake, being at the S.E. corner of said claim; thence S. Westerly 750 feet to a monument & stake being at the center of the South side line of said claim; thence same course 1500 feet to a monument & stake at the S. West corner of said claim; thence N. Westerly 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 14th day of October, 1898.

Witness: Geo. T. Millner. Zonia Copper Mining Co.,
J. H. Canavan, Agent.

Filed and recorded at request of John H. Canavan, Nov. 3rd A.D. 1898, at 9:15 o'clock A.M. in Book 50 of Mines, page 294, Records of Yavapai County, Arizona.

W. I. Johnson, County, ~~County~~ Recorder,
Seal)

By J. H. Forbes, Deputy recorder.

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

I, W. I. JOHNSON, County Recorder in and for the 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 Lone Pine Lode Mining Claim as the same appears of record in Book 50 of Mines, page 294, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have herunto set my hand and affixed my Official Seal this 5th day of Nov. 1898.

By E. C. Avery Deputy.



W. I. Johnson
County Recorder.

FRACTION.NOTICE OF MINING LOCATION.
Quartz Claim

to all whom it may concern;

This mining claim, the name of which is the Fraction 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 Zonia Copper Mining Co. by their agent John H. Canavan, the undersigned, on the 14th day of October, 1898.

The length of this claim is fifteen hundred feet, running 400 feet in a S. Westerly direction and 1100 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 N. East to the South West.

The claim is situated and located in the ~~Walnut~~^{Walnut Grove} Mining District, in Yavapai County, in the Territory of Arizona, about 1000 feet in an Easterly direction from U.S. Mineral Monument No. 1 Walnut Grove Min. Dist.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument & stake placed at a point in a South Westerly direction 400 feet from the discovery shaft (at which this notice is posted), being in the center of the S. West end line of said claim; thence North Westerly 300 feet to a Mon. & stake, being the N. West corner of said claim; thence N. Easterly 750 feet to a Mon. & stake at the center of the North side line of said claim; thence same course 1500 feet to a Mon. & stake being at the N. East corner of said claim; thence S. Easterly 300 feet to a Mon. & stake at the center of the N. East end of said claim; thence same course 600 feet to a Mon. & stake, being at the S. East corner of said claim; thence South Westerly 750 feet to a Mon. & stake being at the center of the South side line of said claim; thence same course 1500 feet to a mon. & stake at the S. West corner of said claim; thence North Westerly 400 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 on and posted on the ground this 14th day of October, 1898.

Witness: Geo. T. Millner.

Zonia Copper Mining Co.,
J. H. Canavan, Agent.

Filed and recorded at request of John H. Canavan, Nov. 3, A.D. 1898 at 9:15 o'clock A.M. in Book 50 of Mines, page 293, Records of Yavapai County, Arizona.

(Seal) W. I. Johnson, County Recorder,

By J. H. Forbes, Deputy 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 Fraction Lode Mining Claim as the same appears of record in Book 50 of Mines, page 293, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, this 5th., day of Nov. 1898.



W. I. Johnson
County Recorder,
By *J. H. Forbes* Deputy.

IRONHAT.

NOTICE OF MINING LOCATION.

<Quartz Claim>

TO ALL WHOM IT MAY CONCERN:

This mining claim the name of which is the Iron Hat 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 26th day of July, 1898.

The length of this claim is 1500 linear feet, and said claim runs 1325 feet in a South Westerly direction and 175 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, about 2200 feet in an Easterly direction from U.S. Min. monument No. 1 Walnut Grove Mining Dist.

The surface boundaries of the claim are marked upon the ground as follows. Beginning at a monument & stake placed at a point in a N. Easterly direction 175 feet from the discovery shaft (at which this notice is posted), being in the center of the Easterly end line of said claim; thence S. Easterly 300 feet to a monument & stake, being the S.E. corner of said claim; thence S. Westerly 750 feet to a mon. & stake at the center of the South side line of said claim; thence same course 750 feet to a mon. & stake being at the S.W. corner of said claim; thence N. Westerly 300 feet to a mon. & stake at the center of the West end line of said claim; thence same course 300 feet to a mon. & stake, being the N. West corner of said claim; thence N. Easterly 750 feet to a mon. & stake being the center of the North side line of said claim; thence same course 750 feet to a mon. & stake at the N.E. corner of said claim; thence South Easterly 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 26 day of July, 1898.

Witness:

J.H. Canavan.

Geo. T. 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 280 Records of Yavapai County, Arizona.

(Seal)

W.I. Johnson,

County Recorder.

By J.H. Forbes, Deputy.

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 Iron Hat Mining Claim as the same appears of record in Book 50 of Mines, page 280 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. Blum* Deputy.

IRON HAT.

NOTICE OF MILL SITE LOCATION.

The undersigned in accordance with the acts of Congress do hereby locate and claim five (5) acres of land for Mill-site purposes; the same to known as the Iron Hat Mill S-site, being located in connection with and for the "Iron Hat" Lode Mining Claim all of which is lying, being and situate in the Walnut Grove Mining District, County of Yavapai and Territory of Arizona.

The Exterior boundaries of said Mill Site are marked by posts and monuments on the ground as follows: Beginning at a monument & stake which is the center end monument of the east end of the Arastra Lode Claim, U.S. Min. Survey No. 38; thence Northeasterly along the end line of the Arastra Claim 75 feet to corner No. 1; thence in a Southeasterly direction 750 feet to corner No. 2; thence in a Southwesterly direction 290.5 feet to corner No. 3; thence in a Northwesterly direction 750 feet to corner No. 4; thence along the East end line of the Arastra Claim 215.5 feet to place of beginning.

The S.W. corner of the Iron Hat Lode is about 500 feet in a North East direction from corner No. 1 of the Mill Site.

Dated on the ground this 14th day of October A.D. 1898.

J.H. Canavan.

Witness

Geo. T. Millner.

Recorded at request of J.H. Canavan, Oct. 24th A.D. 1898, at 9:00 o'clock A.M. in Book 3, Mill-Sites and Water Rights, page 284 Records of Yavapai County, Arizona.

(Seal) W.I. Johnson,
County Recorder.

By J.H. Forbes, Deputy.

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 Iron Hat Mill Site and Water Right, as the same appears of record in Book 3, Mill-Sites and Water Rights, page 284 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.



(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

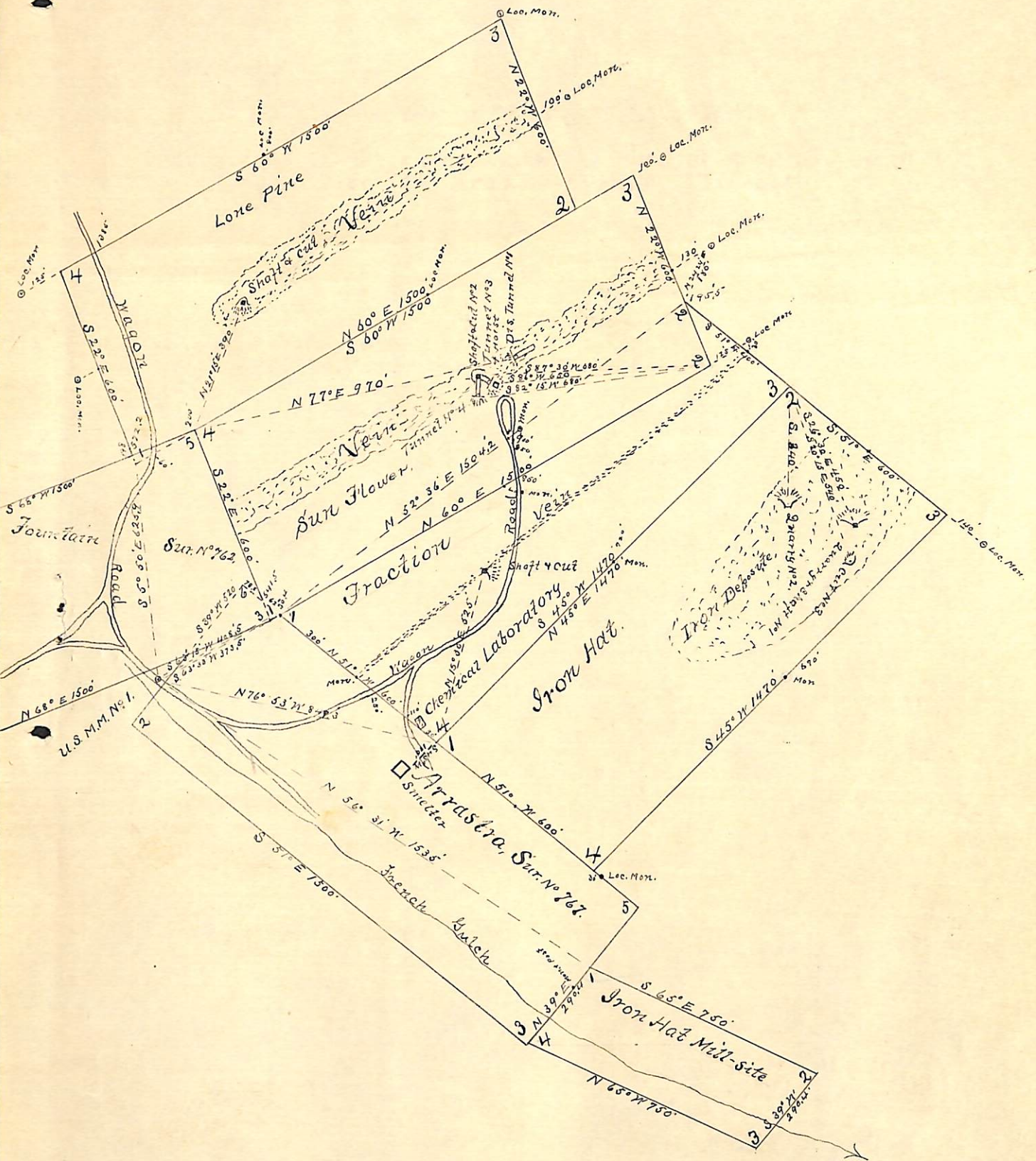
March 1st, 1899.

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 Sun Flower, Lone Pine, Fraction, & Iron Hat lodes, & Iron Hat millsite, situate in Walnut Grove mining district, Yavapai County, Arizona, in Section approx, Township No. 11 N, Range No. 4 W, G. & I. R. B. & Meridian, designated as Survey No. 1323 A. & B. executed by J. J. Fisher, U. S. Deputy Mineral Surveyor, Nov. 28-30, 1898, under my instructions dated Nov 9th, 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 filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for Arizona.

Survey N^o 1823 A+B
 Prescott Land District



Surveyed Nov. 25-30-1898
 by J. J. Fisher
 U.S. Dep. Min. Surveyor.
 Scale 400' to an inch

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 1323B
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Iron Hat Mill-site, Mineral Survey No. 1323B, located in section 12, Township 11 North, Range 4 West, Gila and Salt River Meridian, Arizona, is hereby canceled.


This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Iron Hat Mill-site, M.S. 1323B, was canceled November 15, 2002, by memo 9605 (956) M.S. 1323B, which is now a part of the original field notes."

November 15, 2002
Date



Chief Cadastral Surveyor of Arizona