

1
JUN 12 1911

4-683.

MINERAL SURVEY No. 2914

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

John W. Dougherty,

KNOWN AS THE

LITTLE COPPER NO. 2, AND LITTLE COPPER NO. 3.,

Hassayampa Mining District,

yavapai County, Arizona

Sections 1 & 36, Townships 12 & 13 N., Range 3 West, unsur.
within the Prescott National Forest.
Surveyed under instructions dated April 26th., 19 11

by Herbert C. Shotwell,
U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced April 28th., 19 11

Survey completed May 2 nd., 19 11

6-822
Address:
John. J. Hawkins, Attorney,
Prescott, Arkzona.

Feet

Mineral Survey No. 2914LITTLE COPPER NO. 2 lode:

Beginning at Cor. No. 1, a porphyry stone, 10x 12 X 24 in. long set one half in ground and chiseled L.C.2-1-2914 on north west face with + on top for exact corner point and substantial mound of stone alongside, from which the theoretical point for the S.W. Cor. of Sec. 31, T. 13 N., R. 2 W, on the Third Standard Parallel North brs. S. 85° 13' E. 458.6 ft., U.S.L.M.No. 2024 brs. S. 88° 23' E. 5682.3 ft. an oak 8 in. in diam, blazed and scribed B.T.- L.C.2-1-2914 brs. S. 87° 00' E. 14.5 ft., an oak 7 in. in diam. blazed and scribed B.T.L.C.2-1-2914, brs. N. 25° 00' W. 18.8 ft.

Thence N. 66° 46' W.

300.00 North center end, a mound of stone.

510.00 Cross creek, flows southerly.

600.00 Cor. No. 2, a quartz stone 12 x 7 x 24 in. long, set one half in ground and chiseled L.C.2-2-2914 on south face with + on top for exact corner point and a substantial mound of stone alongside, from which an oak 6 in. in diam. blazed and scribed B.T. L.C.2-2-2914 brs. S. 38° 15' E. 32.5 ft; an oak 5 in. in diam. blazed and scribed B.T.L.C.2-2-2914 brs N. 46° 30' W. 40.3 ft.

Thence S. 23° 14' W.

200.00 Cross creek, flows southeasterly.

648.00 Cross creek, flows southeasterly.

722.60 West side center, from which the original west side center monument brs. N. 66° 46' W. 13.9 ft., a mound of stone.

773.00 Cross creek, flows easterly.

1500.00 Cor. No. 3, a porphyry stone 6 x 8 x 24 in. long set one half in ground and chiseled L.C.2-3-2914 on S.E. face with + on top for exact corner point and a substantial mound of stone alongside, from which an oak 7 in. in diam. blazed and scribed B.T.L.C.2-3-2914 brs. S. 49° 00' W. 28.5 ft. no more bearings available.

Thence S. 66° 46' E.

300.00 South center end, a mound of stone.

600.00 Cor. No. 4, on line 3-2 of Little Copper No. 3 lode of this survey, N. 23° 14' E. 315.0 ft. from cor. No. 3, a ^{porphyry} stone 5 x 12 x 24 in. long set one half in ground and chiseled L.C.2-4-2914 on N.W. face with + on top for exact corner point and substantial mound of stone alongside; an oak 14 in. in diam. blazed and scribed B.T.L.C.2-4-2914, brs. N. 24° 00' W. 20.0 ft. a juniper 10 in. in diam. blazed and scribed B.T.L.C.

LITTLE COPPER NO. 2 continued;

2-4-2914 brs. N.73° 00' E. 43.0 ft.

Thence N.23° 14' E.

- 873.00 East side center a mound of stone.
- 955.00 Cross Little Copper Creek flows easterly.
- 1185.00 Cor. No. 2 of Little Copper No.3 lode of this survey.
- 1500.00 Cor. No. 1 the place of beginning; all corners are identical with their respective locations except the west side center. Magnetic declination at all corners is 15° to east.

LITTLE COPPER NO. 3 ~~lode;~~

Beginning at Cor. No. 1, a por. stone 8 x 8 x 24 in. long set one half in ground and chiseled L.C.3-1-2914 on N.W. face with + on top for exact corner point and substantial mound of stone alongside, from which the theoretical point for the south west cor. of sec. 31, T.13 N., R.2 W. on the Third Standard Parallel North brs. N.3° 31' E. 491.1 ft. U.S.L.M.No. 2024 brs. N.86° 01' E. 5265.7 ft, no more bearings available.

Thence N.66° 46' W.

- 300.00 North center end a mound of stone.
- 600.00 Cor. No. 2 on line 1-4 of Little Copper No. 2 lode of this survey S.23° 14' W. 315.0 ft. from cor. No 1. a por. stone 14 x 12 x 24 in. long set one half in ground and chiseled L.C.3-2-2914 on S.E. face with + on top for exact corner point and a substantial mound of stone alongside; an oak 4 in. in diam. blazed and scribed B.T.L.C.3-2-2914 brs. north 12.1 ft., an oak 8 in. in diam. blazed and scribed B.T.L.C.3-2-2914 brs. N.85° 45' W. 8.2 ft.

Thence S.23° 14' W.

- 230.00 Cross Little Copper Creek, flows easterly.
- 312.00 East side center of Little Copper No 2 lode of this survey, a mound of stone.
- 1185.00 Cor No 4 of Little Copper No.2 lode of this survey.
- 1500.00 Cor. No 3, a por. stone 7 x 12 x 24 in. long set one half in ground and chiseled L.C.3-3-2914 on S.E. face with + on top for exact corner point and a substantial mound of stone alongside, from which an oak 10 in. in diam. blazed and scribed B.T.L.C.3-3-2914 brs. N.56° 00' E. 49.7 ft.; an oak 6 in. in diam. blazed and scribed B.T.L.C.3-3-2914 brs. S.38° 45' E. 20.5 ft.

Thence S.66° 46' E.

Feet LITTLE COPPER NO. 3 lode continued;
 300.00 South center end, a mound of stone.
 600.00 Cor. No. 4, a por. stone 6 x 12 x 24 in. long set one half in ground and chiseled L.C.3-4-2914 on N.W. face with a + on top for exact corner point and a substantial mound of stone alongside from which an oak 7 in. in diam. blazed and scribed B.T.L.C.3-4-2914 brs. S.70° 00' E. 5.0 ft., an oak 8 in. in diam. blazed and scribed B.T.L.C.3-4-2914 brs. S.78° 45' W. 20.4 ft.

Thence N.23° 14' E.

1052.00 Cross Little Copper Creek, flows easterly.

1500.00 Cor No. 1 the place of beginning. The corners and end centers are all identical with their respective locations. I was unable to find the side center monuments. Magnetic declination at all corners 15° to E.

L E D G E S

The presumed course of the ledges of this survey as near as can be traced upon the ground are as follows:

LITTLE COPPER NO. 2 lode.

Course of ledge is from a point on line 1-2, N.66° 46' W. 300.00 ft. from Cor. No. 1; thence S.23° 14' W. 1500.00 ft to the intersection of line 3-4;

LITTLE COPPER NO. 3 lode:

Course of ledge is from a point on line 1-2, N.66° 46' W. 300.00 ft from Cor. No. 1; thence S.23° 14' W. 1500.00 ft. to the intersection of line 3-4.

I M P R O V E M E N T S

I certify that the value of the labor and improvements upon the claims embraced in this survey, placed thereon by the claimant and his grantors, is not less than \$500.00 for each claim, and that said improvements consist of:

LITTLE COPPER NO. 2 lode.

- No.1. Discovery monument, a mound of stone with three foot base and three feet high, located on the presumed course of ledge, from which Cor. No.1 brs. N.45° 04'E. 807.8 ft.
- No.2. Tunnel 3½ x 7 x 100 ft. long, course N.35°.00' W. from mouth of which Cor. No. 1 brs N.40° 59' E. 683.4 ft.
Value. \$1200.00
- No.3. Shaft 4 x 6 x 25 ft. deep, from center of which cor. no.1 brs. N.44° 20' E. 789.00 ft.
Value. \$ 375.00

Improvements continued.

- No.4. Shaft 4 x 6 x 10 ft. deep, from center of which
Cor. No. 1 brs. N.42° 20' E. 807.8 ft.
Value. \$ 100.00
- No.5. Shaft 4 x 6 x 10 ft. deep, from center of which
cor No. 1 brs. N.44° 20' E. 838.0 ft.
Value. \$ 100.00
- No.6. Shaft 5 x 9 x 50 ft. deep, from center of which
Cor. No. 1 brs. N.46° 30' E. 748.0 ft.
Value. \$1100.00

LITTLE COPPER NO. 3 lode.

- No.1. Dis. Monument, a mound of stone with three foot
base and three feet high located on the presumed
course of ledge, from which cor. No. 1. brs.
N.59° 22' E. 508.8 ft.
- No.2. Tunnel 4 x 6 x 178 ft. long, course S.20° 00' W.
from mouth of which Cor. No. 1. brs. N.43° 00' E.
460.0 ft.
Value. \$1780.00
- No.3. Open cut 4 x 6 x 10 ft. face, from face of which
Cor. No.1.brs. N.66° 35' E. 398.0 ft.
Value. \$ 50.00

A R E A

Acres

Total area of Little Copper No. 2 lode.....20.661

Total area of Little Copper No. 3 lode.....20.661

A D J O I N I N G C L A I M S .

There are no claims adjoining this group
and so far as known the ground surrounding is
Public Domain and subject to entry.

L O C A T I O N

These claims are located upon unsurveyed land
~~approximately~~ in secs. 1 & 36, Twps. 12 & 13 N., R.3 W.
of the G. & S.R.B. & M., in the Hassayampa Mining
District, Yavapai County Arizona, within the
Prescott National Forest.

I N S T R U M E N T

This survey was made with a Lietz Light Mountain
transit; the distances were measured with a 600
and a 100 foot steel tape; all courses were
deflected from true meridian as determined by direct
solar observation.

R E P O R T

The discrepancies between the claims of this
survey, as marked upon the ground by the location
monuments and as described in their respective
location notices, are due to error in the location
notices.

I thoroughly satisfied myself while on the

Report Continued.

ground making the survey, that the improvements mentioned above and accredited to these claims, were made by the claimant and his grantors.

I have tied Cor. No.1. of each of the claims of this survey to the U.S.L.M. No. 2024 and to the theoretical point for the S.W.Cor. of Sec. 31, T.13 N.,R.2 W. for the reason that I was unable, after a diligent search, to find a corner of the public survey within a distance of two miles of these claims. At the time I made the survey for the Gibraltar lode Sur. No.2835, I ran the line west from the 1/4 sec.cor. of Sec. 33, T.13 N.,R.2 W. on the Third Standard Parallel North, along said Third Standard Parallel, to the theoretical point for the S.W.Cor of Sec. 31 and was unable to find any corners of the public survey along this line. In connection with this survey I extended this line north from the point for the S.W.Cor. of Sec. 31 and after a diligent search was unable to locate any Cor. of the public survey within a distance of two miles of these claims. I have therefore tied to the theoretical point for the S.W.Cor. of Sec. 31, which was established from the field notes for the Third Standard Parallel North as are on record in the Surveyor General's office. I have also tied these claims to the U.S.L.M. No. 2024 for the reason that it is within a reasonable distance from these claims and all the other claims in this section are, and undoubtedly will be, tied to this Mineral Monument.

While making the survey, I made a thorough search for the side center monuments of the Little Copper No.3 lode but was unable to find them. The hill sides are very steep and many rock slides are present. The corners and end centers have been kept up from year to year while the side centers have been neglected and have likely fallen over so that we could not recognize them on the rocky hillsides. (See affidavit of Geo. C. Waddell, attached hereto.)


U.S. Mineral Surveyor.

AUG 3-1911

TERRITORY OF ARIZONA }
COUNTY OF YAVAPAI. } ss.

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Geo. C. Waddell, being first duly sworn, deposes and says that he is familiar with the LITTLE COPPER NO. 3 lode mining claim, situate in the Hassayampa Mining District, Yavapai County, Arizona, for which John W. Dougherty has made application to the Surveyor-General for the District of Arizona for an official survey, as a basis for an application for patent to said claim; that he has actually been on this mining claim and has seen all of the monuments of location defining the boundaries thereof, as are described in the location notice of said lode claim on which this survey is based; that the original (~~xxxxxx~~) side center monuments of location were actually established on the ground by the locators at the approximate centers of the (~~xxxxxx~~) side lines of this claim; that said (~~xxx~~ ~~xx~~) side center monuments of location were not situate within the boundaries of said lode claim, as defined by straight lines connecting the respective corner monuments; and furthermore that he is not interested in said claim in any manner whatsoever.

Geo. C. Waddell
Affiant.

Subscribed and sworn to before me this 2nd day of August 1911

My Commission
(SEAL) *Expires May 13, 1912.*

[Signature]
Notary Public

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Herbert C. Shotwell

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

John W. Dougherty,

known as the LITTLE COPPER NO. 2 LITTLE COPPER NO. 3

and showing the respective capacities in which they acted.

Harold E. Adams, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

W&I, Harold E. Adams,

do solemnly swear that we assisted Herbert C.

Shotwell, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of John W. Dougherty

known as the LITTLE COPPER NO. 2 LITTLE COPPER NO. 3

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

Harold E Adams, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

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

day of June, 1911

My Commission Expires May 13, 1912
J. Mitchell
Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Herbert C. Shotwell, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
April 26th, 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 John W. Dougherty,
known as the
LITTLE COPPER NO. 2, & LITTLE COPPER NO. 3,
situate in Hassayampa Mining District,
Yavapai County, Arizona, approx, in Section s
1 & 36, Township No. 12&13N, Range No. 3 west unsurveyed,
within the Prescott National Forest.
and designated as Survey No. 2914, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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 his 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.

Herbert C. Shotwell
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Herbert C. Shotwell
U. S. Mineral Surveyor, before me

this 15th
day of June, 1911

[Signature]
Notary Public

*My Commission Expires
May 13, 1912*

"Little Copper No 2"

Notice of Mining Location.
Quartz Claim.

APR 26 1911

To All Whom It May Concern:

This mining claim, the name of which is the Little Copper No.2. 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 Dougherty and C.J.McNulty the undersigned, on the second day of Dec. 1898

The length of this claim is fifteen hundred feet, and We claim seven hundred and fifty feet in a Northernly direction and seven hundred and fifty feet in a Southernly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred 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 to the south

The claim is situated and located in the Hassayampa Mining District, in Yavapai County, in the Territory of Arizona, about four thousand feet in a north westerly direction from the Hassayampa River, and is located on Little Copper Creek.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a northernly direction seven hundred & fifty feet from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence three hundred feet to a monument of stone, being the North East corner of said claim; thence 750 feet to a monument of stone at the center of the East side line of said claim; thence 750 feet to a monument of stone being at the South East corner of said claim; thence 300 feet to a monument of stone at the center of the South end of said claim; thence 300 feet to a monument of stone, being at the South West corner of said claim; thence 750 feet to a monument of stone being at the center of the West side line of said claim; thence 750 feet to a monument of stone at the North West corner of said claim; thence 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 second day of Dec 1898

John W.Dougherty
 $\frac{3}{4}$ interest.
C.J.McNulty $\frac{1}{4}$ interest.

Filed and recorded at request of John W Dougherty February 17" A.D.1899 at 3:30 oclock P.M. Book 50 of Mines Page 438, Records of Yavapai County, Arizona.

(SPAL) W.I.Johnson
County Recorder.
By E.C Averyt
Deputy Recorder.

"Little Copper No 3"Notice of Mining Location.
Quartz Claim.

To All Whom It May Concern:

This mining claim, the name of which is the Little Copper No 3 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 Daugherty and C.J McNulty the undersigned, on the 2nd day of December 1898

The length of this claim is 1500 feet, and We claim 300 feet in a Northernly direction and 1200 feet in a Southernly 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 to the South

The claim is situated and located in the Hassayampa Mining District, in Yavapai County, in the Territory of Arizona, about 3400... in a Northwesternly direction from Hassayampa river and is located on little Copper Creek

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a Monument of Stone at a point in a Northernly direction 300 feet from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence 300 feet to a Monument of Stone, being the North E. corner of said claim; thence 750 feet to a Monument of Stone at the center of the East side line of said claim; thence 750 feet to a Monument being at the South E. corner of said claim; thence 300 feet to a Monument at the center of the South end of said claim; thence 300 feet to a Monument, being at the South West corner of said claim; thence 750 feet to a Monument being at the center of the West side line of said claim; thence 750 feet to a Monument at the North West corner of said claim; thence 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 2nd day of Dec 1898

John W Daugherty $\frac{3}{4}$ interest
C.J. McNulty $\frac{1}{4}$ interest

Filed for recorded at request of John W Daugherty Febuary 17th
A.D. 1899 at 3:30 Oclock P M. Book 50.....Pages 439- Records of
Yavapai County, Arizona.

W.I. Johnson
County Recorder.

By _____
Deputy Recorder.

TERRITORY OF ARIZONA,)
 : ss.
County of Yavapai.)

I, J.C. Bradbury, County Recorder in and for the afore-
said County of Yavapai, and Custodian of the Records of such office,
Do Hereby Certify that I have compared the foregoing with, and that
the same are true and correct copies of the Notices of Location, (as
the same appear of record in my said office), of the following named
lode mining claims, situated and being in the Hassayampa Mining Dis-
trict, Yavapai County, Arizona, to-wit:

LITTLE COPPER NO.2, the notice of location whereof is of record
in Book 50 of Mines, at page 438, Records of Yavapai County, Arizona.

LITTLE COPPER NO.3, the notice of location whereof is of record
in Book 50 of Mines, at page 439, of said records.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
Official Seal, this 25th day of April, A.D.1911.



J. C. Bradbury
County Recorder.

By A. C. Gilmore,
Deputy Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

August 5, 1911., 190

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of John W. Dougherty,

known as the LITTLE COPPER NO. 2, LITTLE COPPER NO. 3,

situate in Hassayampa

Mining District, Yavapai County, Arizona,

in Sections 1 and 36, Township Nos 12 & 13 N Range No. 3 W., unsurveyed and designated as Survey No. 2914

has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon each of said mining claims by claimant or his grantors, and that said improvements consist of 2 tunnels, 4 shafts and 1 cut, total value, \$4705.00

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

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona,

is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor-General for Arizona.

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,

Phoenix, Arizona,

August 5, 1911., 190

I, U. S. Surveyor-General for Arizona,

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

John W. Dougherty

known as the

LITTLE COPPER NO. 2, LITTLE COPPER NO. 3.

situate in Hassayampa Mining District,

Yavapai County, Arizona

in Sections 1 and 36, Township No. 12 and 13 N., Range No. 3 W., unsurveyed

designated as Survey No. 2914

executed by Herbert C. Shotwell, U. S. Deputy Mineral

Surveyor, April 28 - May 2, 1911, 190, under my instructions dated

April 26, 1911, 190, have been critically examined and the necessary cor-

rections 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.

Frank H. Sigala

U. S. Surveyor-General for Arizona.