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Plotted  
1

MINERAL SURVEY No. 3473

Phoenix Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The United Verde Copper Company

KNOWN AS THE

Safety Fraction Lode  
Verde

Mining District,

Yavapai County, Arizona

Section 22 (unsub), Township 16 N., Range 2 E.

Surveyed under instructions dated Feb 11, 1918.

by Joseph McCarthy  
U. S. Mineral Surveyor.

Claim located See location notice, 1915

Survey commenced Feb 25, 1918

Survey completed Mar 9, 1918

Address of claimant Anderson & Ellis, Attys.  
Prescott, Arizona.

DATES OF AMENDED LOCATIONS.

December 19, 1917.

Safety Traction Lode.

Feet.

Beginning at Cor. No. 1.

A 2 in. iron pipe 18 in long set in a hole drilled in rock in place and surrounded by concrete 24 in. by 14 in. and 10 inches high.

The pipe is surmounted by a cap and reducer containing a brass disk 2.6 inches in diameter, on which is stamped S. F. No. 1. 3473 and a + for exact corner point. Alongside placed a 3 1/2 in. by 5 in. post, 4 ft. long in a mound of stones, whence from corner

Across on a malapaia rock in place 2 x 4 x 3 ft. marked B + R S. F. 1. 3473 bears S 21° 23' E 18.82 ft.

The 1/4 Cor. between Secs. 22 and 23 T. 16 N. R. 26. of the G. + S. R. B + M. bears N 76° 02' 40" E 1879.27 ft.

Cor. No. 2. Sur. No. 867 Azure Southeastern No. 1 lode

(~~The United Verde Copper Company claimants~~) bears N 79° 25' 30" W 351.42 ft.

Face of discovery cut bears S 11° 46' 50" W 622.41 ft.

Thence S 5° 43' 15" E  
Mag. Var. 13° 15' E.

189.87

Water pipe line supplying mines and town of Jerome, course East and West.

200.50

Sluice box between tanks containing storage water, course East and West

225.05

Water pipe line supplying mines and town of Jerome, course East and West.

267.63

Ditch, course Northeast and Southwest

889.02

Summit of hill.

1371.87

To Cor. No. 2.

A concrete monument 30 in. long set 15 in. in the ground; the part above the surface being the frustum of a cone 1 ft. diameter at the base

MAR 12 1919

# Survey No 3473 Continued.

Sut

and 8 in diam. at the top; containing a 2 in. iron pipe 18 in. long surmounted by a cap and reducer containing a brass disk stamped A. S. No. 3, 867 for Cor. No. 3 of the Figure Southeastern<sup>No. 1</sup> lode, and S. S. No 1, 1285 for Cor. No. 1 of the Sunny South lode, The Cleopatra Copper Company claimant. I stamped it S. F. No. 2 3473 for Cor. No. 2 of this survey, + for exact corner point, all corners being identical, whence

A cross on schist rock in place marked B+R S. F. 2 3473 bears N 55° 26' W 21.69 ft.

Cor. No. 3 Sur. 1285 Silent lode bears N 19° 05' 20" W 706.10 ft

Thence S 58° 32' W

Mag. Var 14° 45' E

207.36

To S. E. C, a mound of stones.

271.42

To Cor. No. 3.

Identical with Cor. 5 Sur 1285 Silent lode, and Cor. 3 Sur. No 591 Chrome No. One Southeastern lode ~~United Verde Copper Company claimant.~~

A concrete monument constructed similar to Cor. No. 2 of this survey, alongside placed a 3 1/2 in. x 5 in. post 4 ft. long in a mound of stones. The brass disk is stamped C. S. No. 3 - 591 and S. No. 5 - 1285.

I stamped it S. F. No. 3 - 3473 for Cor. No. 3 of this survey, + for exact corner point, whence

A cross on schist rock in place marked B+R S. F. 3 - 3473 bears S 13° 27' W 13.01 ft. Cor. No. 4 Sur. 1285 Silent lode The Cleopatra

~~Copper Company claimant~~ bears N 3° 17' 30" W 793.57 ft. From Cor. No. 4 said Silent lode Cor. No. 3 thereof bears N 70° 07' 50" E. 49.10 ft.

Thence N 5° 44' W

Mag. Var. 15° 00' E

621.86

Summit of hill

1184.80

Intersect line 2-3 Sur. No. 867 Figure Southeastern No. 1 lode at N 18° 38' 25" W 1094.61 ft. from Cor. No. 3.

# Survey No 3473 Continued

Feet.  
1234.10

Water pipe line to mines and town of Jerome course Northeast and Southwest.

1265.00

Water pipe line to mines and town of Jerome course Northeast and Southwest.

1371.84

To Cor. No. 4.

A concrete monument similar to Cor. No. 2 of this survey, alongside is a 3 1/2 by 5 in post 4 ft. long in a mound of stones.

I put a cross on the concrete for exact corner point and stamped the brass disk S. J. No. 4 3473 for Cor. No. 4 of this survey, whence from point for Cor.

A cross on a malpais rock 3 ft. by 4 ft. by 6 ft. marked B+R S. J. 4- 3473 bears N. 74° 14' W. 11.26 ft.

Cor. No. 2 of Survey No 591 Chrome No One 1 identical with corner of location and Cor. No. 6 Chrome Northwestern No. 1 lode, Sur. No. 594, bears N 5° 44' W 0.17 ft.

The brass disk is stamped C. S. No. 2, 591 for Cor. No 2 of the Chrome No One South eastern lode and C. N. No. 6 - 594 for Cor No 6 of the Chrome Northwestern lode

64.06

True point for hence N 58° 32' E

70.00

N. E. C also pipe line, whence N. C for N. E. C. brs. N 58° 32' E 5.94 ft.

271.99

To Cor No 1 the place of beginning

## Lode Line.

As near as can be determined from present development the direction of the vein extends as follows from the discovery point.

N 5° 44' W 503.28 ft. and S 5° 44' East 868.56 ft.

All corners are identical with the location corners except Cor. No. 4. which was moved in 0.17 ft to make the end lines parallel

Survey No 3473 Continued

Area	Acres
Total area Safety Traction lode	7.707
Area in conflict with	
Survey No. 867 Azure Southeastern <sup>No. 1</sup> lode	4.382
Survey No. 1285 Silent lode	2.577

Location

This survey is located in unsurveyed ground in what would be Sec. 22 T. 16 N. R. 2 E. 9. & S. R. 27 N. within the Prescott National Forest.

Expenditure:-

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

- No. 1. The discovery cut, the face of which being the discovery point, is on the lode line 503.25 ft. from a point on line 1-4 207.93 ft from Cor. No. 1. 5 ft. wide, 10 ft. face sloping to 1 ft. at the mouth, at N 25° W 24 ft from the discovery point. A tunnel 4 ft. by 7 ft. runs S 40° 30' E. 63 ft from said discovery point.

Value of cut and tunnel \$730<sup>00</sup>

Instrument:-

This survey was made with a Duff and Berger Mine Transit No. 3126.

The courses were deflected from the true meridian as determined by direct solar observation. The meridian checking with the U. S. G. Co's. triangulation system.

The distances were measured with 200 ft. and 500 ft. steel tapes

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### Adjoining Claims

This claim is joined on the north and east by the Azure Southeastern No. 1 lode, Sur. No. 867, claimant herein, on the south by the Silent lode, Sur. No. 1285, the Cleopatra Mining Co., claimant, and on the west by the Chrome No. 1 Southeastern lode, Sur. No. 591, claimant herein.

Survey No. 3473 Continued

Report.

The lines of this claim were run upon the ground by a closed traverse and the conflicting claims tied in from the several traverse points.

The  $\frac{1}{4}$  Cor. between Secs. 22 (unsec) and 23 T. 16 N. R. 2 E. G. & S. R. B. & M., is an iron pipe 1 in. diam. on which is a brass top about  $2\frac{1}{2}$  in. diam. marked S 22  $\frac{1}{4}$  - 23 and was found buried in Diaz St. near 1st St of the town of Jerome.

Cor. No. 2 of Sw. 867 Azue Southeastern<sup>No. 1</sup> lode is a concrete monument 15 in. by 14 in. flush with the ground having a  $3\frac{1}{2} \times 5$  in post projecting 2 ft. therefrom.

An iron pin imbedded in the concrete shows the exact corner point, and the concrete is chiseled A. S. No 2-867 and A. N. No 6-866 the corner being identical with Cor No 6-866 Azue Northwestern.

I do not agree with bearing or distance of line 2-3 of this lode.

Survey No. 591 Chrome No. One Southeastern lode:- I do not agree with bearing or distance of line 2-3 of this lode.

Survey No. 1285 Silent lode:-

Corners No 3 and No 4 are concrete monuments similar to Cor. No. 2. of this survey and properly marked. This lode must have been surveyed by stadia as even the bearing rocks are in error, about the amount of the stadia constant.

Cor No 1 of the Sunny South Sw. No. 1285

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Survey No 3473 Continued 8

has been identified in the field notes of that survey as being on line 2-3 of the Silent lode, and bearing and distance given to Cor No 3 of the Silent lode.

I do not agree with bearing or distance so given nor do I agree with bearings and distances of lines 3-4, - 4-5 of the Silent lode.

The discrepancies found existing between the lode as marked by the location monuments and described in the location notice are due to errors in the location notice.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Joseph McCarthy  
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and  
 boundaries described in the foregoing field notes of the survey of the mining claim of \_\_\_\_\_  
The United Verde Copper Company  
 known as the Safety Fraction lode  
 and showing the respective capacities in which they acted.

J. Edwin Wallace, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, J. Edwin Wallace  
 and \_\_\_\_\_, do solemnly swear that we assisted Joseph McCarthy  
McCarthy, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of The United Verde Copper Company  
 known as the Safety Fraction lode  
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his  
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully  
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-  
 tions furnished by the United States Surveyor-General for \_\_\_\_\_

J. Edwin Wallace, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me this Tenth  
 day of August, 1918

C. S. Gardner  
 Yavapai, County, Arizona

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Joseph McCarthy, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the United States  
Surveyor General for Arizona, dated  
Feb 11, 1918, 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 United Verde Copper Company  
, known as the  
Safety Traction Lode  
situate in Verde Mining District,  
Yavapai County, Arizona, in Section  
22 Unsur, Township No. 16 N., Range No. 2 E.  
and designated as Survey No. 3473, 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 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.

Joseph McCarthy  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Joseph McCarthy  
U. S. Mineral Surveyor, before me C. S. P. Gardner, a NOTARY PUBLIC  
in and for Yavapai County, Arizona. this Tenth  
day of August, 19 18

C. S. P. Gardner  
NOTARY PUBLIC

Dec. 1917

Additional  
and  
AMENDED  
Notice of Mining Location  
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the "Safety Fraction" 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 purposes of exploration and purchase by The United Verde Copper Company, a corporation existing under the laws of the State of Delaware, the undersigned, on the 19th day of December, 1917.

The length of this claim is 1500 feet, and we claim 550 feet in a northerly direction and 950 feet in a southerly 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 Verde Mining District, in Yavapai County in the State of Arizona, about 1500 feet in a southeasterly direction from the United Verde Copper Company's No 3 Shaft

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument at a point in a northerly direction 550 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence easterly 300 feet to a monument being the northeast corner of said claim; thence southerly 1500 feet to a monument, being at the southeast corner of said claim; thence westerly 300 feet to a monument at the center of the south end of said claim; thence westerly 300 feet to a monument being at the southwest corner of said claim; thence northerly 1500 feet to a monument at the northwest corner of said claim; thence 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 to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Safety Fraction Mining Claim, located by Will L. Clark, on the 15th day of April, 1915, and recorded in Book 97 of Records of Mines, at page 445, in the office of the County Recorder of the aforesaid County of Yavapai, to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 19th day of December, 1917.

United Verde Copper Company  
By C. V. Hopkins  
Chief Engineer, As Agent

Witness, J. C. Hayes

Filed and recorded at request of ANDERSON & ELLIS

FEBRUARY 8th.,

A. D. 1918, at 11:15 o'clock

A. M., Book 99 of Mines

pages 403

Records of Yavapai County, Arizona.

(SEAL)

E. A. McSWIGGIN,  
County Recorder.

By Lula McIntosh

Deputy Recorder.

STATE OF ARIZONA, }  
COUNTY OF YAVAPAI, } ss

I, E. A. McSwiggin, County Recorder in and for the County of Yavapai, State of Arizona, and custodian of the records of such office, do hereby certify that I have compared the foregoing copy with, and that the same is a full, true and correct copy of Additional and Amended Notice of Mining Location of the "SAFETY FRACTION" Lode Claim

filed for record on February 8th., 1918 and as the same appears of record in my office in Book 99 of MINES at pages 403 and of the whole thereof.



IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal this 8th day of February A. D. 191 8

*E. A. McSwiggin*  
County Recorder.



Deputy Recorder.

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

## Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 19, 1919.

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

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

THE UNITED VERDE COPPER COMPANY

known as the SAFETY FRACTION lode

situate in VERDE

Mining District, YAVAPAI County, ARIZONA,

in Section 22 (Unsur), Township No. 16 N., Range No. 2 E., and

designated as Survey No. 3473, 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 said mining claim by claimant or its grantors, and that said improvements consist of 1 cut and tunnel, total value \$730.00

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

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

Frank P. Trott.

United States Surveyor-General for Arizona.

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

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

Phoenix, Arizona,

July 19, 1919

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

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

THE UNITED VERDE COPPER COMPANY

, known as the

SAFETY FRACTION lode

situate in VERDE mining district,

YAVAPAI County, ARIZONA,

in Section 22 (Unsurveyed), Township No. 16 N., Range No. 2 E.,

designated as Survey No. 3473

executed by Joseph McCarthy, U. S. Mineral

Surveyor, Feb. 25-Mar. 9, 1918, under my instructions dated

Feb. 11, 1918, 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. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and made

a part of the transcript of the field notes.

Frank J. Frost

U. S. Surveyor General for Arizona.