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MINERAL SURVEY No. 3468

A

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The United Verde Copper Company

KNOWN AS THE

Eclipse 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, 1917

Survey commenced March 9 & 10, 1918

Survey completed August 9, 1918

Address of claimant Anderson & Ellis Atty.  
Prescott Arizona.

DATES OF AMENDED LOCATIONS.

~~Dec 3, 1917~~

Feat.

Eclipse Lode

Beginning at Cor. No. 1.

A concrete monument, on which is a brass disk stamped + for exact corner point and E-1, 3468 whence

A cross on a malpais rock in place marked B+R E-1, 3468 bears S 10° 49' E 31.32 ft.

The 1/4 Sec. Cor. between Secs 22 & 23 T. 16 N. R. 2 E. G. & S. R. B. & M. bears N 84° 55' 55" E 3193.97 ft.

Thence S 7° 22' 30" E May Van 14° 30' E

264.65 Cross northeast end of the U. & C. Co's No. 4 Shaft.  
269.95 Cross southeast side of the shaft.

295.84 Intersect line 2-3 Sur. No. 592 Trade Hampton lode at N 28° 12' 30" E 4.66 ft from Cor. No. 2.

300.32 South end center, a concrete monument.

315.00 North side of wash runs east and west.

340.15 Intersect line 5-6 Sur. No. 1151-1888 lode, at S 5° 40' 15" E

24.44 ft from No. 4 said 1888 lode. Cor. No. 5 is N 83° 30' E 19 ft. from Cor.

375.00 South side of wash runs east and west.  
600.15 To Cor. No. 2.

A concrete monument. The brass disk is stamped + E. 2 3468, whence

A cross on a malpais rock in place marked B+R E-2 3468 bears N 84° 14' E 14.40 ft.

The center of 1888 Shaft bears N 4° 29' E 315.23 ft. and from this shaft Cor. No. 4 Sur. No. 1151-1888 lode bears S 46° 45' E 50 ft.

Thence N 37° 48' E May Van. N 15° 30' E

280.00 Center of wash, runs east and west  
754.43 Intersect line 1-2 Sur. No. 1151-1888 lode at S 3° 42' E

485.30 ft. from Cor. No. 2. Also intersect line 2-3 Sur. No. 1284 Fishie's Corner lode at S 3° 42' E 382.05 ft. from Cor. No. 3.

885.87 To Cor. No. 3.

On line 1-2 Sur. No. 1154 Red Line lode and on line 4-5 Sur. No. 1284 Fishie's Corner lode.

A concrete monument. The brass disk is stamped + E. 3. 3468, whence

Survey No. 3468 Continued.

- cut. A cross on a malpais rock in place marked B+R E-3-3468 bears S 8° 30' E 8.43 ft.  
 Mouth of location tunnel bears S 90° 41' 20" E 292.77 ft.  
 Thence S 7° 22' 30" E May Day 14° 30' E
- 279.68 Cov. No. 4. Sur. No. 1284 Fisher's Corner lode. A 2 in. iron pipe 18 in. long set in a hole drilled in limestone and surrounded by concrete. The brass disk in the cap is stamped F. C. 4, 1285, whence
- 304.37 Cov. No. 3 said lode br. S 89° 52' 30" E 20 ft.  
 North end center. Amount of stones.
- 383.61 Cov. No. 3 Sur. No. 1074A Warrior lode, identical with  
 Cov. No. 2 Sur. No. 1151-1888 lode  
 Cov. No. 1 Sur. No. 1154 Red line lode and  
 Cov. No. 5 Sur. No. 1417 Mineral Point lode,  
 A concrete monument. The brass disk is properly marked,  
 whence Cov. No. 3 said 1888 lode & Cov. No. 1 said  
 Mineral Point lode, br. S 85° 57' 15" E 102.33 ft.
- 557.91 Intersect line 2-3 Sur. No. 592 Wade Hampton  
 lode at S 28° 12' 30" E 1084.29 ft from Cov. No. 2.  
 and 159.04 ft. from its intersection with line 1-2 survey  
 No. 1417 Mineral Point lode
- 599.86 To Cov. No. 4.  
 A concrete monument. The brass disk is stamped + E. 4. 3468. whence
- Across on a malpais rock in place marked B+R E-4-3468 bears S 17° 15' E 10 ft.  
 Cov. No. 3 Sur. No. 1151-1888 lode identical with Cov. No. 1 Sur. No. 1417 Mineral Point lode,  
 bears S 19° 43' 35" E 220.16 ft, whence Cov. No. 4  
 said 1888 lode br. S 26° 33' 35" E 902.89 ft  
 Thence S 37° 48' 40" E May Day 14° 30' E
- 79.39 Intersect line 1-2 Sur. No. 1417 Mineral Point  
 lode at S 10° 43' 40" E 146.78 ft from Cov. No. 1, &  
 120.89 ft. from its intersection with line 2-3 Sur. No. 592 Wade  
 Hampton lode
- 885.57 To Cov. No. 1, the place of beginning.  
 Lode line.
- As near as can be determined from present developments the vein on this claim extends S 37° 34' 40" E 16.73 ft and S 37° 34' 40" E 872.16 ft from the discovery point.

Survey No 3468 Continued

Area	Acres
Total area, Eclipse lode	8.653
Area in conflict with -	
Sur. No. 592 Wade Hampton lode	2.436
Sur. No 1151 - 1888 lode	5.149
Sur. No 1284 Fishers Corner lode	0.386
Sur. No. 1417 Mineral Point lode	0.311
Sur. No 1417 Mineral Point lode (exclusive of its conflict with Sur. No 592 Wade Hampton lode)	0.215

The survey of this lode is identical with the amended location as staked upon the ground.

Location

This survey is located in Sec. 22 T16N. R. 2 E. G + S.P. B + M. and within the Prescott National Forest.

Expenditure of Five Hundred Dollars.

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

No 1. The discovery cut, the face of which being the discovery point is on the lode line 16.73 ft. from a point on line 3-4 304.37 ft from Cor. No. 3., 5 ft wide 10 ft high running S40° E 25 ft. to mouth.

From the face is a tunnel 4 x 7 ft running N 30° 34' E 15 ft to a point @ thence North 25 ft to a point B, thence N 31° 20' E 15 ft. to the face.

From a point 7 ft north of station @ a crosscut runs N 43° E 23 ft.

Value of cut and tunnel \$500.00

The cut is partly on the 1888 lode Sur No 1151 and the tunnel is partly on both the said 1888 lode and the Red Line lode Sur No 1154 but this work was done solely for the benefit and development of the Eclipse lode, of this survey.

## Survey No 3468 Continued.

## INSTRUMENT

This survey was made with a Buff and Berger mine transit No. 3126.

The courses were deflected from the true meridian as determined by direct solar observation.

The distances were measured with 200 ft and 660 ft steel tapes.

## Adjoining Claims

This claim is adjoined on the north by the Warrior lode Sur. No 1074 Hull Copper Co. claimant.

Mineral Point lode Sur. No 1417 Hull Copper Co. claimant.

Victory lode Unsur. Hull Copper Co. claimant.

On the east by the

Wade Hampton lode Sur. No 592 United Verde Copper Co. claimant.

Jessie lode Unsur. United Verde Copper Co. claimant.

Eureka lode Sur. No 280 United Verde Copper Co. claimant.

On the south by the

1888 lode Sur. No 1151 Hull Copper Co. claimant.

Fisher's Corner lode Sur. No 1284 Hull Copper Co. claimant.

On the west by the

Red Line lode Sur. No 1154 Hull Copper Co. claimant.

## Report

The corners are all concrete monuments, from 24 to 30 in. long 12 in diam. at the base and 8 in diam at the top, set in the ground, leaving 1 ft projecting above the surface. The core is a 2 in. iron pipe 18 in. long, topped by a cap containing a brass disk on which is stamped a + and the designation of the corner.

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

The  $\frac{1}{4}$  Sec Cor between Secs. 22 & 23 T. 16 N., R. 2 E. G. & R. B. & M. was found buried in drag st near Trust St in the town of Jerome and consists of a 1 in iron pipe, with a brass cap on which is stamped 22  $\frac{1}{4}$  23.

Cor. No. 4 of Sur. No 1151-1888 lode is reported in the field notes of that survey as being identical with Cor. No. 2 Sur. No. 592 Wade Hampton lode, but the original Cor. No. 2 of said Wade Hampton lode is reported as being a 20 X 10 X 10 in. Granite stone marked H. H. No. 2 while the corner reported on the

Survey No 3468 Continued

said 1888 lode survey is 4x4 in. pine post 5 ft. long.

Cov. No 4 of Sur. No 280 Gureka lode is reported as being 60 ft. from Bitter Creek, which is now only a dry wash or gully, but the position given for Cov. No 5 of the said 1888 lode is near the edge of the wash, and while the contour of this section has changed considerably since the original surveys were made, due to mining operations and the action of cloudbursts which are prevalent during "rainy season" in this region; the position reported in the 1888 lode, Sur. No. 1151 does not seem to coincide with the original reported position.

The United Verde Copper Co. had an iron rail at the point they recognized as being Cov. No 2 of Wade Hampton Sur. No 592 and which was 638 ft from Cov. No 6 of the same lode.

The company's maps give a bearing of  $S 83^{\circ} 01' W$  instead of  $S 83^{\circ} 30' W$  given in the official notes for line 6-2 of said Wade Hampton lode.

I find the bearing of the north end line 3-5 to be  $N 83^{\circ} 05' E$  638.19 ft. showing that the bearings are considerably in error in the Wade Hampton Sur. No. 592.

In 1905 when these discrepancies were first discovered Geo. H. Hull on the part of the Hull Copper Co. and H. G. Clark on the part of the United Verde Copper Co. examined this section and found the pine post 4x4 in. 5 ft long marked 1888-4-1151 but reported it was not marked H H No 2. This post Hull identified as being the accepted corner of the 1888 lode Sur. No. 1151.

They also found the iron rail, but no trace was found of a stone corner at either the point for Cov. No. 4. Gureka lode Sur. No. 280, recognized by United Verde Copper Co. said point being on line 2-6 of the Wade Hampton Sur. No 592 19 ft from Cov. No. 2; nor the point for Cov. No. 5 1888 lode Sur. No 1151.

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Survey No 3468 Continued

Duplicate corners exist on other claims in the district where corners are supposed to be identical, notably between the Chrome Southeastern Sur. No 591 and Eureka South Extension Sur. No 1153 and Silent Sur. No. 1285 where the claims lapped; but in this case a fraction is left and as neither company claimed this strip, the United Verde Copper Co desires this strip to be included in the Eclipse lode, this survey.

Sur. No. 1151-1888 lode:

Cors. 1 and 2 are concrete monuments similar to corners of the Eclipse lode, this survey, and replace the stone corners, properly marked.

Cov. 3 is identical with Cov. No. 1 Sur. No. 1417 Mineral Point lode and is a limestone rock 8x15x14 in above ground marked M.P. No 1417 and 1888 No. 3. 1151.

Cov. No. 4 is not in place and its position was determined from the center of the 1888 shaft. None of the other bearing objects from this corner can be identified.

Cov. No. 5 is not in place and its position is given as the call in the field notes of this survey from Cov. No. 4.

Cov. No. 6 is not in place, so its position was determined from the bearing rock +, on the side of a reef marked B+R 1888-6-1151 and which bears S 57° E 70 ft. from Cov. No. 6.

I find line 2-3 to be N 55° 57' 15" E 102.33 ft instead of N 86° 02' E 104.00 ft as reported.

I find line 3-4 to be S 26° 33' 35" E 902.89 ft instead of S 26° 30' E 922.00 ft as reported.

I find line 5-6 to be S 5° 40' 15" E 582.36 ft instead of S 6° 30' E 600.00 ft as reported.

Sur. No 1284 Fische's Corner lode:

Corners 2-3-5 are now concrete monuments similar to corners of the Eclipse lode this survey. Cov. 4 is practically the same in appearance, but the pipe is set in a hole drilled in solid rock and a conical frustum 1 ft base and 8 in. diam. of concrete, around it. Cors. are properly marked.

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Survey No 3468 Continued.

I agree with bearing of line 2-3  
I find line 3-4 to be  $S 89^{\circ} 52' 30'' E$  20.00 ft  
instead of  $S 89^{\circ} 35' E$  18.00 ft.

I find line 4-5 to have a bearing of  $S 70^{\circ} 22' 30'' E$   
instead of  $S 70^{\circ} E$ .

Survey No 1154 Red Line lode.

Corners 1-2 are concrete monuments similar  
to corners of the Eclipse lode this survey.

I find the bearing of line 1-2 to be  $S 70^{\circ} 22' 30'' E$   
instead of  $S 70^{\circ} 00' E$ .

Survey No. 1417 Mineral Point lode.

Cor. 1, heretofore described, identical with Cor 3 of the  
1888 lode sur. No. 1151.

Corners 2 and 5 are of concrete similar to corners  
of the Eclipse lode this survey.

I find the bearing of line 5-1 to be  $N 85^{\circ} 57' 15'' E$   
102.33 ft instead of  $N 86^{\circ} 02' E$  104.00 ft. as reported.

I find the bearing of line 1-2 to be  $N 10^{\circ} 03' 40'' E$   
519.50 ft. instead of  $N 8^{\circ} 34' E$  547.00 ft as reported.

Sur. No 592 Wade Hampton lode.

Cor 2 is not in place, its position being  
determined from the United Verde Copper Co's  
private maps and records.

The ground at the point for Cor. No. 2.  
has been excavated to make room for a  
switching platform in front of No 4 shaft.

The south end center of the Eclipse lode,  
this survey, is on the prolongation of line  
6-2 of the Wade Hampton lode sur. No. 592,  
and bears as I make it  $S 83^{\circ} 03' 30'' E$  2.80 ft.  
from Cor. No. 2.

The Company's private records show the point  
for Cor. No 2 to be  $S 83^{\circ} 01' E$  638.00 ft. I make  
it  $S 83^{\circ} 03' 30'' E$  638.00 ft from Cor. No. 6.

Cor. No. 6. is a concrete monument similar  
to the corners of the Eclipse and replaces  
the old corner which was a cross on a schut



Survey No 3468 Continued.  
 or slate reef marked It + It No 6.

This corner was not found by the Fed  
 Mineral Surveyor in the survey of the  
 Trossing Link Sur. No 1177 but was found by  
 C. V. Hopkins Chief Engineer of the United Verde  
 in his resurvey of the claims.

Cor No 3 is a concrete monument similar  
 to corners of the Eclipse lode this survey  
 and replaces the old stone monument  
 properly marked.

I find the bearing of line 2-3 to be  
 $N 28^{\circ} 12' 30'' E$  instead of  $N 26^{\circ} 30'' E$  and the  
 distance to be 1454.06 ft instead of 1500.00 ft.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Joseph M. 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 Eclipse lode  
 and showing the respective capacities in which they acted.

J. Edwin Wallace, Chairman.  
Philip S. Cowgill, Chairman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, J. Edwin Wallace Philip S. Cowgill  
 and \_\_\_\_\_, do solemnly swear that we assisted Joseph  
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 Eclipse 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 Arizona

J. Edwin Wallace, Chairman.  
Philip S. Cowgill, Chairman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me this Tenth  
 day of August, 19 18

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  
Eclipse lode,  
situate in Verde Mining District,  
Yavapai County, Arizona, in Section  
22 Unsu, Township No. 16 N, Range No. 2 E,  
and designated as Survey No. 3468, 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 etc 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

AMENDED  
 Notice of Mining Location  
 LODE CLAIM

FEB 10 1918

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Eclipse 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 organized under the laws of the State of Delaware, the undersigned, on the 3rd day of December, 1917.

The length of this claim is 1500 feet, and We claim 25 feet in a Northwesterly direction and 1475 feet in a Southeasterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three hundred (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 Northwest to the Southeast

The claim is situated and located in the Verde Mining District, in Yavapai County in the State of Arizona, about 1000 feet in a westerly direction from the United Verde Copper Company's No. 3 shaft being that fraction laying between the Fishers Corner, Red Line, 1888, Mineral Point, and Wade Hampton claims.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument at a point in a northwesterly direction 25 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, being the Northwest corner of said claim; thence 1500 feet to a monument, being at the Southwest 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 Southeast corner of said claim; thence 1500 feet to a monument at the northeast 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 to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Eclipse Mining Claim, located by Chas. W. Clark, on the 12th day of January, 1917, and recorded in Book 104 of Records of Mines, at page 353, 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 of said claim

Dated and posted on the ground this 3rd day of December, 1917.

J. C. Hayes,  
 Witness.

United Verde Copper Company  
 By C. V. Hopkins  
 Chief Engineer

Filed and recorded at request of LE ROY ANDERSON

DEC. 15th

A. D. 1917, at 3:45 o'clock

P. M., Book 99 OF MINES

pages 398

Records of Yavapai County, Arizona.

(SEAL)

E. A. McSWIGGIN,  
County Recorder.

By L. S. Colwell

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 AMENDED Location Notice of the  
ECLIPSE Lode Mining Claim

filed for record on Dec. 15th, 1917. and as the same appears of record in my office in Book 99 of Mines at pages 398 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.

By \_\_\_\_\_  
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 15, 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 ECLIPSE LODGE

situate in VERDE

Mining District, YAVAPAI County, ARIZONA,

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

designated as Survey No. 3468, 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, tunnel and crosscut, total value \$800.

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.

August 15, 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

ECLIPSE LODE,

situate in VERDE mining district,

YAVAPAI County, ARIZONA

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

, designated as Survey No. 3468

executed by Joseph McCarthy, United States Mineral

Surveyor, March 9 - August 9, 1918, under my instructions dated

February 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

[Handwritten signature]

U. S. Surveyor-General for Arizona.