

4-683

MINERAL SURVEY No. 3943

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Arizona Copper Company

KNOWN AS THE

EAST EXTENSION TIP TOP Lode.

Greenlee Gold Mountain Mining District,

Greenlee County, Arizona.

Section 33, Township 3 S., Range 29 E.

Surveyed under instructions dated March 21, 19 24

by J. N. Stearns U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced April 27, 19 24

Survey completed April 27, 19 24

Address of claimant The Arizona Copper Company, Morenci, Arizona

DATES OF AMENDED LOCATIONS.

Feet.

## MINERAL SURVEY NO.3943

## EAST EXTENSION TIP TOP LODE.

Beginning at Cor. No.1, identical with Loc. Mon. on line 4-5 Sur. No.2484 Trinidad No. 2 lode at S.35° W., 675.8 ft. from Cor. No.5 and N.35° E., 633.61 ft. from Cor. No.4. Also on line 2-3 Sur. No. 1088 El Paso lode at N. 69° 22' W., 308.4 ft. from Cor. No.3 and S. 69° 22' E., 271.60 ft. from Cor. No.2, Both belonging to claimant herein.

A pine post 4 x 6 ins, 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, scribed 1 E E T T-3943, whence the 1/4 Cor. bet. Secs. 33-34 T. 3 S., R.29 E. brs. S. 53° 28' E., 1514.6 ft.

Cor. No.4 Sur. No.2484 Keystone No.3 lode brs. S. 34°51'20" W., 368.5 ft.

No other bearings are available.

Thence N. 69° 22' W.  
Va. 13° 30' E.

40.10 To N. end center, identical with Loc. Mon.

An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed N. Cr. E E T T.

90.10 To Cor. No.2, identical with Loc. Mon. On line 15-16 Sur. No.1088 Tip Top lode at S. 26° 52' W., 769.8 ft. from Cor. No 16. and N. 26° 52' E., 617.45 ft. from Cor. No.15. On line 2-3 Sur. No.1088 El Paso lode at S. 69° 22' E., 181.5 ft. from Cor. No.2

No bearings are available.

Thence S. 26° 52' W.  
Va. 13° 30' E.

435.95 To Cor. No.1 Sur. No.2484 Camino No.3 lode.

617.45 To Cor. No.15 Sur. No.1088 Tip Top lode, also Cor. No.4 Sur. No. 2484 Trinidad No. 2 lode.

771.58 To Cor. No.3, identical with Loc. Mon.

A granite ledge 5 ft. long by 5 ft. high, chiseled with cross (x) S E E T T - 3943, with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Feet.

MINERAL SURVEY NO. 3943

EAST EXTENSION TIP TOP Lode.

Thence S. 69° 22' E.  
Va. 13° 30' E.

50.0 To S. end center, identical with Loc. Mon.  
An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground  
and surrounded with md of stone 3 1/2 ft. base by 3 ft. high,  
scribed S. Cr. E E T T

55.0 Gulch brs. westerly.

101.7 To Cor. No.4, identical with loc. mon. On line 1-2 Sur. No.2484  
Camino No. 3 lode. at S. 9° 34' W., 339.97 ft. from Cor. No.1  
and N. 9° 34' E., 1074.93 ft. from Cor. No. 2.

A pine post 4 x 6. ins. 4 ft. high, set firmly in the ground and  
surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed  
4 E E T T - 3943

No bearings are available.

Thence N. 26° 00' 30"E.  
Va. 13° 30' E.

1.66 Intersect line 3-4 Sur. No. 2484 Keystone No. 3 lode at S.18°02'W.,  
408.61 ft. from Cor. No.4 and N.18° 02' E., 1091.39 ft. from Cor.  
No. 3.

15.00 Gulch brs. westerly

128.93 Intersect line 3-4 Sur. No. 2484 Trinidad No. 2 lode at S. 55° E.,  
100.26 ft. from Cor. No.4 and N. 55° W., 474.64 ft. from Cor. No.3

414.26 Intersect line 4-1 Sur. No. 2484 Keystone No. 3 lode at S.71°58'E.,  
57.24 ft. from Cor. No.4 and N. 71° 58' W., 542.76 ft. from Cor. No.  
1.

770.42 To Cor. No.1, the place of beginning.

-----000-----

LODE LINE.

As near as can be determined from the present development, the  
vein of the location embraced in this claim extends as follows from  
its discovery point:

21.0 ft. N. 26° 52' E., and 750.58 ft. S. 26° 52' W.

AREA.

Total area East Extension Tip Top lode - ----- Acres  
1.689

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EAST EXTENSION TIP TOP Lode.

AREA - Cont'd.

Area in conflict with-

Sur. No.2484 Camino No.3 lode -----	0.389
Sur. No.2484 Trinidad No.2 lode -----	0.729
Sur. No.2484 Trinidad No.2 lode (exclusive of its conflict with Sur. No.2484 Camino No.3 lode) -----	0.643
Sur. No.2484 Trinidad No.2 lode (exclusive of its conflict with Sur. No.2484 Keystone No.3 lode)-----	0.487
Sur. No.2484 Trinidad No. 2 lode (exclusive of its conflict with Sur. No.2484 Camino No.3 & Keystone No.3 lodes,	0.401
Sur. No.2484 Keystone No.3 lode -----	0.268

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

LOCATION.

This survey is located in the N.E. 1/4 Sec. 33, T. 3 S., R.29 E.,

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimant or its grantors is not less than five hundred dollars and that said improvements consist of :

No. 1, the discovery cut, the mouth of which being the discovery point, on the lode line 21 ft. from a point on line 1-2, 40.1 ft. from Cor. No. 1, 5 ft. wide, 10 ft. face, running N. 13° E., 21 ft. to face.

Value \$200.0

No. 2, A shaft, the center of which brs. from Cor. No. 3 N. 31°30' E., 428 ft. 4 x 6 ft. 8 ft. deep.

Value \$80.0

No.3 A tunnel, the mouth of which brs. from Cor. No.3 N.24°07'E., 316 ft. 4 x 6 ft. running N. 32°38' E., 73.6 ft. to Sta. 1, thence N. 17° 03' E., 65.5 ft. to Sta. 2, thence N. 26° E., 77.3 ft. to Sta. 3, thence N. 4° E., 28.9 ft. to Sta. 4, thence north 88.2 ft. to face.

From Sta. 1 A cross Cut 4 x 6 ft. running S. 75° E., 26.5 ft. to face

Total length 360.0 ft.

Total value \$3600.00

An undivided 1/4 interest is assigned to this claim.

Value \$ 900.00

## MINERAL SURVEY NO. 3943

## EAST EXTENSION TIP TOP Lode.

## EXPENDITURE OF FIVE HUNDRED DOLLARS- Cont' d.

This tunnel is a practicable and feasible main working tunnel for the East Extension Tip Top lode of this Sur., together with Sur. No. 2484 Camino No. 3 lode, Sur. No. 1088 Tip Top and El Paso lodes, as by drifting and cross-cutting therefrom in different directions, towards and under the several mentioned claims they may be advantageously developed and ore extracted therefrom, as their discoveries are above the present floor of this tunnel.

This improvement is therefore a common improvement for the benefit of each of the four mentioned claims, and an undivided  $1/4$  interest of the total value of this improvement (\$900.0) is properly accredited to each claim.

This improvement cannot consistently be considered an improvement for the benefit of any other claims of Sur. No. 2484 or Sur. No. 1088 as the north end line of the east extension Tip Top lode is near the summit of a high mountain and the country from this point descends rapidly in all directions to an elevation of from 800 to 1000 feet lower.

## INSTRUMENT

This survey was made with a Gurley mountain transit. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

## REPORT.

The lode line of the location of this claim was run directly upon the ground, and the corners were established by running around the claim. All tie lines were run directly upon the ground.

The  $1/4$  Cor. bet. Secs. 33-34 T. 3 S. R. 29 E. is an iron post with brass cap on top, stamped  $1/4$  S. 33 S 34.

Sur. No. 2484 Trinidad No. 2, Keystone No. 3 and Camino No. 3 lodes  
All corners are pine posts 4 x 6 ins. properly set and scribed with the number of the corner and the survey.

## MINERAL SURVEY NO. 3943

## REPORT Cont'd.

Sur. No.1088 Tip Top and El Paso lodes. All corners consist of pine posts 4 ins sq by 4 ft. high, properly set and scribed with the number of the corner and the survey.

I find all courses and distances to be correct as approved.

## ADJOINING CLAIMS.

On the north by Sur. No.1088 El Paso lode.

On the east by Sur. No. 2484 Trinidad No.2 and Keystone No.3 lodes.

On the south by Sur. No.2484 Keystone No.3 and Camino No.3 lodes.

On the West by Sur. No. 2484 Camino No.3 and Sur. No. 1088 Tip Top lode.

*(do not include in transcript)*  
SOLAR OBSERVATION.

Direct solar observation taken Sunday April 27 at 3:27 P.M. solar time. Lat.  $33^{\circ} 07'$  Lon.  $109^{\circ} 29'$  - Sun bisected.

Difference in time 10h 45' - Apparent declination  $13^{\circ} 50' 2.5''$   
 $\text{Dec}'1 = \frac{8'33''}{13^{\circ} 58'36''}$

$p = 90^{\circ} - \text{Dec}'1 - 76^{\circ} 01' 24''$

$L = 33^{\circ} 07'$   
 $H = 38^{\circ} 14'$   
 $P = 76^{\circ} 01' 24''$   
 $2) \frac{147^{\circ} 22' 24''}{S = 73^{\circ} 41' 12''}$

$$\text{Sin } 1/2 A = \frac{\text{Sin}(S-L) (S-H)}{\text{Cos } L \text{ Cos. } H}$$

$S-L = 40^{\circ} 34' 12''$  ✓  $9.8131650$  ✓  
 $S-H = 35^{\circ} 27' 12''$  ✓  $9.7634578$  ✓  
 $0.0769842$  ✓  
 $0.1048555$  ✓  
 $2) \frac{19.7584625}{9.8792312} = 49^{\circ} 13' 20'' = 1/2 A$   
 $98^{\circ} 26' 40'' = A.$

$180^{\circ} - 98^{\circ} 26' 40'' = S. 81^{\circ} 33' 20'' \text{ W.} - \text{bearing of Sun.}$   
 $\frac{54^{\circ} 41' 20''}{S. 26^{\circ} 52' \text{ W.} \text{ Course of line.}}$  Ang. to left from Sun.

Set up at Cor. No.2, F. S. to Cor. No. 3.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens  
 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 Arizona Copper Company  
 known as the EAST EXTENSION TIP TOP Lode  
 and showing the respective capacities in which they acted.

\_\_\_\_\_I. P. Campbell\_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Asman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~We, I. P. Campbell~~  
~~and~~ \_\_\_\_\_, do solemnly swear that we assisted  
T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of The Arizona Copper Company  
 known as the EAST EXTENSION TIP TOP 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

I. P. Campbell, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Asman.*  
 \_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 6<sup>th</sup>  
 day of May, 1924

[Signature]  
 \_\_\_\_\_  
Notary Public



# FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T. N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 21, 1924, 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 Arizona Copper Company, known as the East Extension Tip Top Lode, situate in Greenlee Gold Mountain Mining District, Greenlee County, Arizona, in Section 33, Township No. 3 S, Range No. 29 E., G. & S. R. M., and designated as Survey No. 3943, 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.

*T. N. Stevens*  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said

U. S. Mineral Surveyor, before me

Public in and for Pima Co, Arizona this 20<sup>th</sup>

day of June, 1924

*T. N. Stevens*  
*R. W. Langworthy* a Notary  
*R. W. Langworthy*  
Notary Public, Pima Co. Ariz

*my copy copied  
Feb 19 1928*



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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

July 25, 1924.

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 Arizona Copper Company

, known as the EAST EXTENSION TIP TOP lode

, situate in Greenlee Gold Mountain

Mining District, Greenlee County,

Arizona, in Section 33, Township No. 3 S.,

Range No. 29 E., and designated as Survey

No. 3943, 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 <sup>or for</sup> said mining claim by claimant or its grantors, and that said improvements consist of 1 cut, 1 shaft, and a 1/2 interest in a tunnel, value \$1180.

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.

Charles M. Donohoe

United States Surveyor General for Arizona.

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**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 25, 1924

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 Arizona Copper Company

known as the

EAST EXTENSION TIP TOP lode

situate in Greenlee Gold Mountain mining district,

Greenlee County, Arizona

in Section 33, Township No. 3 S., Range No. 29 E.

designated as Survey No. 3943

executed by T. N. Stevens, U. S. Mineral

Surveyor, April 27, 1924, under my instructions dated

March 21, 1924, 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. 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.

*Charles M. Donohoe.*

U. S. Surveyor General for Arizona.