

platted

Copied Oct. 3, 1916,  
A L H.

JUL 1- 1916

4-683.

Mineral Survey No. 3295

Lot No.

Arizona Land District.

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF  
The Arizona Copper Company

KNOWN AS THE

Ethel Lode

Greenlee Gold Mountain Mining District,

Greenlee County, Arizona

Section 27, Township 3 South, Range 29 E., G. & S. R. B. M. <sup>Unsurveyed</sup>

Surveyed under instructions dated May 16, 1916,

by E. T. Morton,  
U. S. Deputy Mineral Surveyor

Claim located see location notice, 1

Survey commenced May 30, 1916.

Survey completed May 31, 1916.

Address of Attorneys:  
Hampton & Arnold,  
Phoenix, Arizona.

## SURVEY NO. 3295.

Ethel Lode.

Beginning at Cor.No.1.

A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone, scribed E 1-3295, whence

U.S.M.M.No.2 bears S.31°56'W.1385 ft.

Feet.

Thence N.25°23'E.

694

To Cor.No.2.

On line 4-1 Sur.No.3108 Powerful lode at S.75°53'E.

515.7 ft. from Cor.No.1.

A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone, scribed E 2-3295.

No bearings available.

Thence S.75°53'E.

182.5

Cor.No.4 Sur.No.2484 Go-Between lode, whence Cor.No.5

said Go-Between lode bears S.16°38'E. 175.5 ft.

305.9

Northeast end center of the location and lode.

611.8

To Cor.No.3.

On line 4-1 Sur.No.3108 Powerful lode at N.75°53'W.

372.5 ft. from Cor.No.4.

A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone, scribed E 3-3295, whence

A cross (x) and B.R 3-3295 chiseled on basalt bluff

15 ft. high bears N.61°30'W. 9.1 ft.

Thence S.25°23'W.

661.57

Intersect line 3-4 Sur.No.1086 Copper King lode at

S.73°50'E.237.9 ft. from Cor.No.4.

694

To Cor.No.4.

A pine post, in place, 4 ins. square, 3 ft. high, with a mound of stone, scribed E 4-3295, whence Cor.No.4 Sur.No.1086

Copper King lode bears N.66°W.234.9 ft.

Thence N.75°53'W.

233.7

Intersect lines 5-6 and 1-4 Surveys Nos.2484 and 1086

Go-Between and Copper King lodes at S.17°21'W.530.8 ft.

and 40.4 ft. from Cors.Nos.5 and 4 respectively.

Feet.

305.9 Southwest end center of the location and lode.

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

Variation at all corners 13°40'E.

LODE LINE.

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

Ethel lode, 65 ft. N. 25° 23' E. and 629 ft. S. 25° 23' W.

AREA.

Acres.

Total area Ethel lode - - - - - 9.559

Area in conflict with-

Sur.No.2484 Go-Between lode - - - - - 4.978

Sur.No.1086 Copper King lode - - - - - 0.196

LOCATION.

This survey is located in the Greenlee Gold Mountain Mining District, Greenlee County, Arizona, approximately in Sec. 27 ~~Uns.~~ T. 3 S., R. 29 E. G. & S. R. B. M., and within the Apache National Forest <sup>Unsurveyed,</sup>

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon the location embraced in this 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 showing mineral in place is on the lode line 65 ft. from line 2-3.

No.2. A tunnel the mouth of which bears from Cor.No.1 S. 75° 53' E. 108 ft. 5x6 ft., running N. 19° E. 29 ft., thence N. 6° W. 40 ft.

Value - - - - - \$690.00

INSTRUMENT.

This survey was made with a Buff & Berger light Mountain transit. The courses were deflected from the true meridian as determined by polaris observations. The distances were measured with 5, 50, and 500 ft. steel tapes.



## ADJOINING CLAIMS.

This claim is bounded on the North by Sur.No.3108 Powerful lode,Stevens Copper Mining Company,claimant, on the East by the Public Domain,on the South by Sur.No. 1086 Copper King lode,Shannon Copper Company claimant, Sur.No.2484 Go-Between lode and on the West also by the Go-Between lode Sur.No.2484,The Arizona Copper Company claimant.

## REPORT.

U.S.M.M.No.2 is a pine post 6 ins.square properly set and scribed.

Sur.No.2484 Go-Between lode:

All corners are posts properly set and scribed.

Sur.No.3108 Powerful lode:

All corners are posts properly set and scribed.

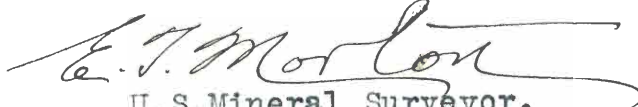
Sur.No.1086 Copper King lode:

All corners are posts properly set and scribed.

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

The differences between these field notes and the returns on previous surveys are due to errors in the latter.

The Northeast end center of this claim is a post 4 ins.square,3 ft.high,with a mound of stone.The Southwest end center is a mound of stone.

  
U.S.Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by E. T. Morton

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

The Arizona Copper Company

known as the Ethel lode

and showing the respective capacities in which they acted.

J. L. Awalt, Chainman.

Pablo Gonzales, Chainman.

Arman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

We, J. L. Awalt

and Pablo Gonzales, do solemnly swear that we assisted E. T. Morton

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

the boundaries of the mining claim of The Arizona Copper Company

known as the Ethel lode

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

J. L. Awalt, Chainman.

Pablo Gonzales, Chainman.

Arman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 16<sup>th</sup>

day of June, 1916.

A. R. Lynch

Notary Public

*My commission expires  
Sept. 30 - 1917 -*

(4-686.)

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, E.T. Morton, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 16, 1916, 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 Ethel lode, situate in Greenlee Gold Mountain Mining District, Greenlee County, Arizona, in Section 27, Township No. 3 S., Range No. 29 E. <sup>Unsurveyed.</sup> G. & S. R. B. M. and designated as Survey No. 3295, 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.

*E. T. Morton*  
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said E. T. Morton

U. S. ~~Deputy~~ Mineral Surveyor, before me A. R. Lynch a

Notary Public this 7<sup>th</sup>

day of June, 1916 -

My commission expires  
Sept. 30 - 1917 -

A. R. Lynch  
Notary Public

JAY 12 1916

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No. 6567

STATE OF ARIZONA, )  
( SS.  
COUNTY OF GREENLEE. )

I, RODNEY ELLIS, County Recorder in and for the County of Greenlee, State of Arizona, do hereby certify that the within and following is a full, true and complete copy of the within mentioned "NOTICE OF MINING LOCATION" OF THE ETHEL LODGE CLAIM", as the same appears of record in my office, in Book No. 5, Mining Locations, Transcribed Records, at page 266.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office, this 8th day of May, A. D. 1916.

*Rodney Ellis*  
County Recorder.





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N O T I C E   O F   M I N I N G   L O C A T I O N .  
L O D E   C L A I M .

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TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the ETHEL 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 J. C. Ottman, L. J. Broshears, citizens of the United States, the undersigned, on the 25th day of January 1902.

The length of this claim is Six Hundred Ninety Four and One Half feet, and we claim Sixty Five feet in a N. 26° 32' E. direction, and Six Hundred Twenty Nine One Half feet in a S. 26° 32' W. 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 Northeast to the Southwest.

The claim is situated and located in the Greenlee Gold Mountain Mining District, in Graham County, in the Territory of Arizona, about Two and One Half miles in a North Easterly direction from Metcalf, this claim lies against the POWERFUL on the Northeast, and conflicts with the COPPER KING, Patent No. 1086, the WEDGE and the NUGGET claims on the Southwest end.

The surface boundaries of the claim are marked upon the ground as follows:

Beginning at a 4" X 4" post, at a point in a N. 26° 32' E. direction Sixty-Five feet from the discovery shaft (at which this notice is posted) being in the center of the Northeast end line of said claim; thence S. 78° 58' E. 307.20 feet to a 4" X 4" post, being the Northeast corner of said claim; thence S. 26° 32' W. 694.50 feet to a 4" X 4" post, being at the Southeast corner of said claim; thence N. 78° 58' W. 307.20 feet to a 4" X 4" post at the center of the Southwest end of said claim; thence N. 78° 58' W. 307.20 feet to a 4" X 4" post, being at the Southwest corner of said claim; thence N. 26° 32' E. 694.50 feet to a 4" X 4" post, at the Northwest corner of said claim; thence S. 78° 28' E. 307.20 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 16th 1901.

Dated and posted on the ground this 25 day of January 1902.

C. E. Stevens, W.S.

J. C. Ottman,  
L. J. Broshears.



Filed and recorded at request of J. C. Ottman, April 11th 1902,  
at 9 A. M.

Thomas Smith,  
County Recorder.

By L. Stevenson,  
Deputy.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

October 5, 1916.

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 ETHEL LODGE.

situate in GREENLEE GOLD MOUNTAIN

Mining District, GREENLEE County, ARIZONA.

in Section 27, Township No. 3 S., Range No. 29 E. unsur., and

designated as Survey No. 3295, 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 tunnel, value \$690.

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.

October 5, 1916.

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

ETHEL LODE

situate in GREENLEE GOLD MOUNTAIN mining district,

GREENLEE

County,

ARIZONA.

in Section 27, Township No. 3 S., Range No. 29 E., unsur.

, designated as Survey No. 3295

executed by E. T. Morton, U. S. Deputy Mineral

Surveyor, May 30-31, 1916, under my instructions dated

May 16, 1916, 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.



U. S. Surveyor-General for Arizona.