

*Clated*  
Copied 8-18-1917,  
A L H  
4-683

1  
JUN 18 1917

3-7-1917

MINERAL SURVEY No. 3362

LOT No.

Arizona Land District.

## FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Detroit Copper Mining Company of Arizona

KNOWN AS THE

SUMMIT and SENECA lodes

Copper Mountain Mining District,

Greenlee County, Arizona

Section 17 Uns., Township 4 South, Range 29 E., G. & S. R. B. & M.

Surveyed under instructions dated January 12, 1917.

by E. T. Morton

U. S. Mineral Surveyor.

*Claim*  
Claim located see location notices, 19

Survey commenced January 15, 1917.

Survey completed January 31, 1917.

Address of claimant Ellinwood & Ross, Attys.,  
Box 879, Globe, Arizona.

DATES OF AMENDED LOCATIONS.

Feet.	SURVEY NO. 3362.
	Summit lode.
	Beginning at Cor.No.1.
	A redwood post, in place, 4x6 ins., 3.5 ft. high, with a mound of stone scribed Sum 1-3362, whence U.S.L.M.No.1654 bears N.41°58'E.2923.6 ft.
	Thence S.13°36'E.
496.76	Cor.No.23 Sur.No.1172 Oregon lode, also intersect line 22-23 Sur.No.1030A Hoodoo lode at S.71°36'E.294.4 ft. from Cor.No.23.
	Cor.No.22 said Oregon lode bears S.5°59'W.777 ft.
1342.5	To Cor.No.2.
	A redwood post, in place, 4x6 ins. 3.5 ft. high, with a mound of stone scribed, Sum 2-3362.
	No bearings available.
	Thence S.47°08'W.
93.04	Intersect line 21-22 and 16-17 Sur.No.1172 Oregon and Nevada lodes at S.62°00'E. 239.74ft. from Cors.Nos.16 and 22 respectively.
295.8	South end center of the location and lode.
430.8	Cor.No.15 Sur.No.1172 Nevada lode, whence Cor.No.22 <sup>16</sup> said Nevada lode bears N.5°59'E.344.2 ft.
621.7	To Cor.No.3.
	Identical with Cor.No.2 Seneca lode of this survey, also on line 14-15 Sur.No.1172 Nevada lode at S.47°08'W.190.9 ft. from Cor.No.15.
	A pine post, in place, 4x6 ins., 3.5 ft. high, with a mound of stone scribed Sen 2- Sum 3-3362 whence a cross (x) and B R 2-3-3362 chisled on porphyry 3x6 ft. facing the West bears S.77°37'E.12.7 ft.
	Thence N.13°36'W.
1216.3	Cor.No.1 Seneca lode of this survey, also intersect line 25-26 Sur.No.1030A Kupfer lode at S.37°19'W.827.21 ft.

Feet.

from Cor.No.25.

1342.5 To Cor.No.4.

A redwood post, in place, 4x6 ins., 3.5 ft. high, with a mound of stone scribed Sum 4-3362.

No bearings available.

Thence N.47°08'E.

325.9 North end center of the location and lode.

574.3 Intersect line 25-26 and 23-24 Sur.No.1030A Kupfer and Hoodoo lodes at S.37°19'W 181.8 ft. and N.19°40' E. 379.8 ft. from Cors. Nos. 25 and 23 respectively.

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

Seneca lode.

Beginning at Cor.No.1.

On line, Summit lode of this survey at S.13°36'E. 126.2 ft. from Cor.No.4 and line 25-26 Sur.No.1030A Kupfer lode at N.37°19'E. 672.79 ft. from Cor.No.26.

A redwood post, in place, 4x6 ins. 3.5 ft. high, with a mound of stone scribed Sen 1-3362 whence

U.S.L.M. No.1654 bears N.41°12'E. 3613.7 ft.

Thence S.13°36'E.

1216.3 To Cor.No.2.

Identical with Cor.No.3 Summit lode of this survey heretofore described, also on line 14-15 Sur.No.1172 Nevada lode at S.47°08'W. 190.9 ft. from Cor.No.15.

Thence S.47°08'W.

318.5 South end center of the location and lode.

621.7 To Cor.No.3.

On line 14-15 Sur.No.1172 Nevada lode at S.47°08'W 812.6 ft. from Cor.No.15.

A redwood post, in place, 4x6 ins., 3.5 ft. high, with a mound of stone scribed Sen 3-3362.

No bearings available.

Feet.  
 1106.83 Thence N.13°36'W.  
 Intersect line 26-27 Kupfer lode<sup>Sur. No. 1030A</sup> at N.75°26'W.22.8 ft.  
 from Cor.No.26.

1216.3 To Cor.No.4.  
 A redwood post, in place, 4x6 ins., 3.5 ft. high, with a mound of stone, scribed Sen 4-3362.

No bearings available.

303.2 Thence N.47.08'E.  
 North end center of the location and lode.  
 621.7 To Cor.No.1, the place of beginning.

Variation at all corners 13°40'E.

LODE LINES.

As near as can be determined from present developments the veins of the locations embraced in this claim extend as follows from their respective discovery points:  
 Summit lode, 209 ft. N.13°36'W. and 1133.5 ft. S.13°36'E.  
 Seneca lode, 90.7 ft. N.13°36'W. and 1125.6 ft. S.13°36'E.

AREAS.

	Acres.
Total area Summit lode - - - - -	16.715
Area in conflict with-	
Sur.No.1030A Kupfer lode - - - - -	0.725
Sur.No.1030A Hoodoo lode - - - - -	1.519
Sur.No.1127 Oregon lode - - - - -	2.770
Sur.No.1127 Nevada lode - - - - -	0.878
Total area Seneca lode - - - - -	15.143
Area in conflict with-	
Sur.No.1030A Kupfer lode - - - - -	0.844

ADJOINING LODES.

This mining claim is bounded on the North by Sur.No. 1030A Kupfer lode, on the East by Sur.No.1030A Hoodoo lode, Sur.No.1172 Oregon lode, on the South by Sur.No.1172 Nevada lode and on the West by the Whyoming lode unsurveyed, claimant herein.

LOCATION.

This survey is located in the Copper Mountain Mining District, Greenlee County, Arizona, approximately in Sec. 17 Uns., T.4 S., R.29 E., G.& S.R.B.& M.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

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

Summit lode.

No.1. The discovery shaft, which is on the lode line 209 ft. from the North end center 4x6 ft. 8 ft. deep.

Value - - - - - \$80.00

Note: An undivided 1/12 interest in the Lone Star tunnel is accredited to this lode.

Value 1/12 interest \$2758.33

Seneca lode.

No.1. The discovery tunnel, the mouth of which is on the lode line 90.7 ft. from the North end center, 5x6 ft. running N.46°E. 23 ft.

Value - - - - - \$230.00

Note: An undivided 1/12 interest in the Lone Star tunnel is accredited to this lode.

Value 1/12 interest \$2758.33

This claim is a part of the Lone Star Group, claimant herein, twelve of the lodes viz.: Lone Star Sur.No.1030A, Nevada Sur.No.1172, Butler Sur.No.1030A, Diamond uns., London Sur.No.1030A, Porto Rico uns., Hoodoo Sur.No.1030A, Summit and Seneca Sur.No.3362, Wyoming uns., Kupfer Sur.No.1030A, and West End uns. can be developed advantageously by the Lone Star tunnel, the adit of which is on the lone Star lode, as may be seen upon inspection of the accomp-

anying map marked "Contour Map Survey No.3362 (contours were taken from the U.S.G.S.topographical sheet.) The adit of said tunnel bears from Cor.No.2 Summit lode S.48°29'E.1083 ft., 5½ x 7 ft., running N.17°45'W.630 ft. thence N.31°W.1025 ft., value \$33,100.00.

#### INSTRUMENT.

This survey was made with a Buff 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.

#### REPORT.

U.S.L.M.No.1654 is a post 7 ins. square properly set and scribed.

Sur.No.1030A Kupfer and Hoodoo lodes:

I found mounds of stones with evidence of posts at all corners.

Survey No.1172 Oregon and Nevada lodes:

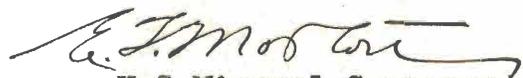
All corners are posts properly set and scribed.

The survey of the two lodes embraced in this mining claim are identical with the respective locations 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 differences between these field notes and the location notices are due to errors in the latter.

All end centers monuments are mounds of stone.

  
U.S. Mineral Surveyor.

JUN 18 1917 7

# 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

Detroit Copper Mining Company of Arizona

known as the Summit and Seneca lodes

and showing the respective capacities in which they acted.

J.L.Awalt, Chainman.

Chainman.

Arman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

~~we~~, I, J.L.Awalt

and \_\_\_\_\_, do solemnly swear that ~~I~~ assisted E.T.Morton

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

the boundaries of the mining claim of Detroit Copper Mining Company of Arizona

known as the Summit and Seneca lodes

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.

Chainman.

Arman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 11th

day of June, 19 17.

My Commission expires Feby. 23, 1920.

Wade Hampton

Notary Public,

JUN 18 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 January 12, 1917, 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 Detroit Copper Mining Company of Arizona, known as the Summit and Seneca lodes, situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section 17 Uns., Township No. 4 S., Range No. 29 E., G. & S. R. B. & M., and designated as Survey No. 3362, 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 Louis T. Payne  
Notary Public this 11th  
 day of June 1917.

Louis T. Payne  
 Notary Public

• 6-154  
My commission expires Feb. 20 - 1919.



# Amended Location Notice

JAN 12 1917

NOTICE IS HEREBY GIVEN THAT THE UNDERSIGNED

The Detroit Copper Mining Company of Arizona

a corporation, ~~the assignor~~

who on the 25th day of January 1898, ~~to~~, located the Seneca

mining claim situated in the Copper Mountain Mining District Greenlee  
(Formerly Graham)

County, Arizona, the location notice of which claim is of record in the office of the Recorder of said County in Book 9, Record of Mines, page 452 & 453, has on this 26th day of December, 1916, made an amended location of said claim, by virtue of which

and of said original location, it claims as a mining claim the following described lead, lode or vein of mineral bearing earth, rock or quartz and premises situated in the Copper Mountain Mining District, in the County of Greenlee Arizona, to-wit:

The name of said claim is the Seneca Mining Claim. The name of the locator is The Detroit Copper Mining Company of Arizona

The length of the claim along said vein or lode is 1216.3 feet; the width of said claim is 300 feet on each side of the middle of said lead, lode or vein. The general course of said lode and claim is North to South. The distance from the Point of Discovery to the North end center monument of said claim is 90.7 feet. The distance from said Point of Discovery to the South end center monument is 1125.6 feet.

This Location Notice is posted in the monument of stones erected at said Point of Discovery upon said claim, which monument is hereinafter referred to as the Location Monument.

Said claim is bounded and described as follows, to-wit: Beginning at the monument of stones placed at the center of the North end of the claim, which monument is 90.7 feet N.13°36'W. from said Location Monument; thence N.47°08'E. 318.5 feet to a post, being the Northeast corner of the claim, thence S.13°36'E. 1216.3 feet to a post, being the Southeast corner of the claim; thence S.47°08'W. 318.5 feet, to a monument of stones, being the center of the South end of the claim; thence again S.47°08'W. 303.2 feet to a post, being the Southwest corner of the claim; thence N.13°36'W. 1216.3 feet to a post, being the Northwest corner of the claim; thence N.47°08'E. 303.2 feet to the place of beginning.

To more fully identify the claim its general location is described as follows:

From the N.E. Cor. of this claim Cor. No. 25 Mineral Sur. No. 1030A Kupfer lode bears N.37°19'E. 827.2 ft.

Amended and posted on the ground  
this 26th day of

December 1916.

Witness:

*W.P. Asmbie*

The Detroit Copper Mining Company of Arizona

By

*W. J. M. Kear*

*General Manager*

County of \_\_\_\_\_

88

I, \_\_\_\_\_, County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at \_\_\_\_\_ o'clock, \_\_\_\_\_ M., on this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, and duly recorded in Book No. \_\_\_\_\_ of \_\_\_\_\_ Records of \_\_\_\_\_ County, Arizona, at pages \_\_\_\_\_

WITNESS my hand and official seal the day and year first above written.

County Recorder

No. 7673  
**Amended Location**

**Notice**

Yuma  
Co.

H. L. M. Co.  
Dated Dec 26th 1916

Filed and recorded at request of

H. L. M. Co.  
Dec 27 A. D. 1916

at 9 o'clock A.M.  
Book 3 Loc. Nten.

Pages 220  
Rodney Ellis  
County Recorder.

By L. N. Gallicotte  
Deputy Recorder.

# Amended Location Notice

JAN 12 1917

11

NOTICE IS HEREBY GIVEN THAT THE UNDERSIGNED

The Detroit Copper Mining Company of Arizona

a corporation, ~~the assignee of~~

who on the 3rd day of May 1897, ~~7th~~, located the Summit

mining claim situated in the Copper Mountain Mining District Greenlee  
(Formerly Graham)

County, Arizona, the location notice of which claim is of record in the office of the Recorder of said County in Book 9, Record of Mines, page 213, has on this 26th day of December, 1916, made an amended location of said claim, by virtue of which

and of said original location, it claims as a mining claim the following described lead, lode or vein of mineral bearing earth, rock or quartz and premises situated in the Copper Mountain Mining District, in the County of Greenlee Arizona, to-wit:

The name of said claim is the Summit Mining Claim. The name of the locator is The Detroit Copper Mining Company of Arizona

The length of the claim along said vein or lode is 1342.5 feet; the width of said claim is 300 feet on each side of the middle of said lead, lode or vein. The general course of said lode and claim is North to South. The distance from the Point of Discovery to the North end center monument of said claim is 209 feet. The distance from said Point of Discovery to the South end center monument is 1133.5 feet.

This Location Notice is posted in the monument of stones erected at said Point of Discovery upon said claim, which monument is hereinafter referred to as the Location Monument.

Said claim is bounded and described as follows, to-wit: Beginning at the monument of stones placed at the center of the North end of the claim, which monument is 209 feet N.13°36'W. from said Location Monument; thence N.47°08'E. 295.8 feet to a post, being the Northeast corner of the claim, thence S.13°36'E. 1342.5 feet to a post, being the Southeast corner of the claim; thence S.47°08'W. 295.8 feet, to a monument of stones, being the center of the South end of the claim; thence again S.47°08'W. 325.9 feet to a post, being the Southwest corner of the claim; thence N.13°36'W. 1342.5 feet to a post, being the Northwest corner of the claim; thence N.47°08'E. 325.9 feet to the place of beginning.

To more fully identify the claim its general location is described as follows:

From the S.W. Cor. of this claim Cor. No. 15 Mineral Sur. No. 1172 Nevada lode bears N.47°08'E. 190.9 ft.

Amended and posted on the ground  
this 26th day of  
December 1916.

The Detroit Copper Mining Company of Arizona

By

*W. J. W. Hayes*  
General Manager

Witness: *MR. Crombie*

County of \_\_\_\_\_

I, \_\_\_\_\_, County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at \_\_\_\_\_ o'clock, \_\_\_\_\_ M., on this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, and duly recorded in Book No. \_\_\_\_\_ of \_\_\_\_\_ Records of \_\_\_\_\_ County, Arizona, at pages \_\_\_\_\_

WITNESS my hand and official seal the day and year first above written.

\_\_\_\_\_  
County Recorder

No. 7672  
**Amended Location  
Notice**

Summit  
By  
S. O. M. Co  
Dated Dec 26th 1916

Filed and recorded at request of  
S. O. M. Co  
Dec 27 A. D. 1916  
at 12 o'clock A.M.  
Book 390c. Notices  
Pages 219-220  
Rodney Collins  
County Recorder.  
By L. N. Calverton  
Deputy Recorder.

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

**Department of the Interior,**

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

October 4, 1917.

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

Detroit Copper Mining Company of Arizona

known as the SUMMIT and SENECA lodes

situate in Copper Mountain

Mining District, Greenlee County, Arizona

in Section 17 Unsur., Township No. 4 S., Range No. 29 E., and

designated as Survey No. 3362, 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 claims by claimant or its grantors, and that said improvements consist of 1 shaft, 1 tunnel and 2/12 interest in the Lone Star tunnel, total value \$5826.66. An undivided one-twelfth interest, value \$2758.33, in the tunnel on the Lone Star lode, Sur.No.1030 A, is properly credited to each of the claims in this survey and to the said Lone Star lode, the Nevada lode, Sur.No.1172 Butler lode, Sur.No.1030 A, Diamond lode, unsurveyed, London, Hoodoo and Kupfer lodes, Sur.No.1030A, Porto Rico lode, unsurveyed, Wyoming and West End lodes, unsurveyed, as said improvement is a common improvement for the benefit and development of each of said claims. 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 4, 1917.

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

DETROIT COPPER MINING COMPANY OF ARIZONA

, known as the

SUMMIT AND SENECA LODES

situate in COPPER MOUNTAIN mining district,

GREENLEE County, ARIZONA.

in Section 17 uns., Township No. 4 S., Range No. 29 E.

, designated as Survey No. 3362

executed by E. T. Morton, United States Mineral

Surveyor, January 15-31, 1917, under my instructions dated

January 12, 1917, 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.