

copied August 13, 1909.

A. L. H.

JUL 24 1909

4-683.

MINERAL SURVEY No. 2681.

LOT No.

Arizona Land District.

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

M.A. Mercer

KNOWN AS THE

ASTONISHMENT

Globe Mining District,

Gila County, Arizona

Sections 9 and 10, Township 1 N., Range 15 E., G. & S. R. Mer.  
Crook National Forest.

Surveyed under instructions dated June 15, 19 09

by Howard C. Hopkins

U. S. Mineral Surveyor.

Claim located See location notice, 19 09

Survey commenced June 17, 19 09

Survey completed June 30, 19 09

8-822

Address of Agent,  
M.E. Leverich, Atty.,  
Phoenix, Arizona.

1-2681.

## SURVEY No.2681.

## Astonishment Lode.

Beginning at Cor.No.1.

A pine post,4 ins.square,4 ft.long,set 18 ins.in  
the ground,in mound of stone,scribed 1-2681-A,whence  
The Cor.of Secs.3,4,9 and 10,T.1 N.,R.15 E.,G.& S.R.  
Mer.bears N.23°47'E. 1006.8 ft.  
No bearings available.

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Thence S.69°56'E.

Feet.  
242. To Cor.No.4,Sur.No.2672,Orient lode.  
430.1 Intersect line between Secs. 9 and 10 at S.00°06'W.  
1069 ft.from the Cor.of Secs. 3,4,9 and 10;N.00 06'E.  
1507 ft.from the 1/4 Sec.Cor.between Secs. 9 and 10.  
1499.7 To Cor.No.2.  
On line 3-4,Sur.No.2672,Orient lode;on line 4-1,  
Sur.No.2672,Orient No.2 lode,at N. 64°30'E. 289.2 ft.  
from Cor.No.4.  
A redwood post,4 ins.square,6 ft.long,set 2 ft.in  
the ground,in mound of stone,scribed 2-2681-A,  
No bearings available.

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Thence S.30°12'W.

295 To Cor.No.2,Sur.No.2290A,Deliverance lode.  
On line 3-4,Sur.No.2672,Orient No.2 lode,S.40°44'E.  
172.5 ft.from Cor.No.4.  
303.5 To the east end center of the location,a pine post,4 ins.  
square,4 ft.long,in mound of stone.  
607 To Cor.No.3.  
A pine post,4 ins.square,4 ft.long,set 18 ins. in  
the ground in mound of stone,scribed 3-2681-A,whence  
A lime boulder,projecting 1 x 2 x 1 ft.above the  
ground,chiseled BR x 3-2681-A,bears N.46°36'E. 76 ft.

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Thence N.69°56'W.

82.2 Intersect line 2-3,Sur.No.2290A,Deliverance lode,at  
S.44°07'W. 336.3 ft. from Cor.No.2.  
745.7 Intersect line between Secs.9 and 10 at S.00°06'W. 1704.8  
ft. from Cor.of Secs.3,4,9 and 10;N.00°06'E. 871.2  
ft. from the 1/4 Sec.Cor.between Secs.9 and 10.  
1499.7 To Cor.No.4.  
A pine post,4 ins.square,4 ft.long,set 18 ins.in the  
ground,in mound of stone,scribed 4-2681-A.  
No bearings available.

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Thence N.30°12'E.

303.5 To the west end center of the location,a pine post,4 ins.  
square,4 ft.long,in mound of stone.  
607. To Cor.No.1,the place of beginning.

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Variation at all corners 13°50'E.

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2-2681.

## Lode Line.

As near as can be determined from present developments the vein of this location extends from the discovery point S.69° 56' E. 200 ft., and N.69° 56' W. 1299.7 ft.

## Area.

	Acres.
Total area Astonishment Lode	20.572
Area in conflict with:	
Sur.No.2290A, Deliverance Lode	0.290
Sur.No.2672, Orient No.2 Lode.	0.552

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

## Location.

This survey is located in Secs. 9 and 10, T.1 N., R.15 E., G. & S.R. Mer., Globe Mining District, Gila County, Arizona Territory, in Crook National Forest.

This claim lies on a limestone hill on the southwest side of Pinal Creek and parallel to it.

## Improvements.

No.1. A ledge, <sup>dis.</sup> outcropping 30 ft. wide, the discovery point being on the lode line 200 ft from the east end center.

No.2. A cut, the mouth of which bears from Cor.No.1 S.25° 31' E. 516 ft., 4 ft. wide, 11 ft. face, running N.85° E. 16 ft. Value \$100.00

Improvements of a value of \$500 have not yet been completed and I request that I be allowed to make a supplemental report of improvements made prior to the period of publication.

## Instrument.

This survey was made with C.L. Berger mining transit No.7180. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 650-ft steel tape.

Adjoining Claims.

This claim is bounded on the north by Sur.No.2672, Orient lode and the Homestead lode,unsur.,M.A.Mercer claimant;on the east by Sur.No.2672,Orient No.2 lode,and and Sur.No.2290A.Deliverance lode;on the south by Sur.No.2290A,Deliverance lode,A.M.Lockwood and Thomas Fuller owners,Homestead No.2 lode,unsur.,M.A.Mercer claimant, and unknown claims,<sup>claimants unknown,</sup>;on the west by Homestead and Homestead No.2 claims.

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Report.

The Cor.of Secs. 3,4,9 and 10,T.1 N.,R.15 E.,G.& S.R. Mer. is a schist stone chiseled five notches on the south face,three notches on the east face.

The 1/4 Cor.between Secs.9 and 10 is a schist stone chiseled 1/4 S on the west face.

From Cor.Secs.3,4,9 and 10 to the 1/4 Sec.Cor.between Secs.9 and 10 I find to be S.00°06'W. 2576 ft.

Sur.No.2290A,Deliverance Lode:

Cors.Nos.2 and 3 are pine posts properly set and scribed with the number of corner and survey. Line 2-3 I find to be S.44°07'W.

Sur.No.2672:

Cors.3 and 4,Orient lode,and Cors. 1,3 and 4,Orient No.2 lode are pine and redwood posts,properly set and scribed with the number of the corner and survey. All courses are correct as returned.

The discrepancies between these field notes and the field notes of Sur.No.2290A,Deliverance lode,the amended location notices,and the survey of the section line, are due to errors in the latter.

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# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Howard C. Hopkins

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 M.A. Mercer

known as the ASTONISHMENT

and showing the respective capacities in which they acted.

E.H. Hetherington, Chainman.

Jesse B. Fox, Chainman.

....., Axman.

....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, E.H. Hetherington

and Jesse B. Fox, do solemnly swear that we assisted Howard C. Hopkins, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of M.A. Mercer

known as the ASTONISHMENT

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.

E. H. Hetherington, Chainman.

Jesse B. Fox, Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 17<sup>th</sup>

day of July, 1909

E. G. Clark

My commission expires August 23, 1910.

Notary Public

# FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Howard C. Hopkins, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 15, 1909, 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 M.A. Mercer, known as the ASTONISHMENT, situate in Globe Mining District, Gila County, Arizona, in Section s 9 & 10, Township No. 1 N., Range No. 15 E., G. & S.R. Mer., and designated as Survey No. 2681, 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 her 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.

*Howard C. Hopkins*  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Howard C. Hopkins  
U. S. Mineral Surveyor, before me a notary public in and for  
the County of Gila, Territory of Arizona, this Seventeenth  
day of July, 1909

*My commission expires August 23, 1910.*

*E. G. Clark*  
Notary Public

AMENDED  
NOTICE OF MINING LOCATION  
LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Astonishment 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 purchased by W.H. Mercer on the 5th day of February 1907 and amended by M. A. Mercer a citizen of the United States the undersigned, on the 25 day of May 1909.

The length of this claim is 1500 feet, and I claim 200 feet, in an easterly direction and 1300 feet in a westerly 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 east to the west.

The claim is situated and located in the Globe Mining District, in Gila, County, in the Territory of Arizona, about 4 miles in a north westerly direction from Globe and in Secs. 8 and 9, Tp. 1 N R 15 E. G & S R Mer.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post at a point in an easterly direction 200 feet from the discovery shaft (at which this notice is posted), being in the center of the east end line of said claim; thence S.30°16'W. 304 feet to a post, being the south east corner of said claim; thence N.69°50'W.1500 feet to a post, being at the south west corner of said claim; thence N.30°16'E. 304 feet to a post at the center of the west end of said claim; thence N.30°16'E. 304 feet to a post, being at the north west corner of said claim; thence S.69°50'E. 1500 feet to a post at the north east corner of said claim; thence S.30°16'W. 304 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 Astonishment Mining Claim, located by W. H. Mercer, a citizen of the United States on the 7 day of February 1907, and recorded in Book 13 of Records of Mines, at page 131, in the office of the County Recorder of the aforesaid County of Gila 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 25 day of May 1909.

M. A. Mercer

Filed and recorded at the request of W. H. Mercer at 25 minutes past 2 o'clock P. M. on the 25 day of May A.D. 1909.

E. T. Stewart County Recorder.

TERRITORY OF ARIZONA, }  
COUNTY OF GILA } ss.

I. E. T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing contain and constitute a full, true and correct copy of Amended Location Notice of the "ASTONISHMENT" Mining Claim,

as the same appears of record in my office in Book 15, Records of Mines

at page 335; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 25th day of

May A. D. 1909.

*E. T. Stewart*

County Recorder, Gila County, A. T.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

September 14, 1909.

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

M. A. Mercer

known as the ASTONISHMENT

situate in GLOBE

Mining District, Gila County, Arizona

in Section s 9 and 10, Township No. 1 N., Range No. 15 E., G&SRMer., and

designated as Survey No. 2681, 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 less than five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or her grantors, and that said improvements consist of, at time of survey, 1 cut, value \$100.00.

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 S. Ingalls,

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

September 14, 1909.

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

M. A. Mercer

, known as the

ASRONISHMENT.

situate in GLOBE mining district,

Gila County, Arizona

in Sections 9 and 10, Township No. 1 N., Range No. 15 E.,

G & S R Mer., designated as Survey No. 2681

executed by Howard C. Hopkins, U. S. Deputy Mineral

Surveyor, June 17-1909, under my instructions dated

June 15, 1909, 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.

Frank S. Lyzala

U. S. Surveyor-General for Arizona.

DEC. 29. 1909

SURVEY NO. 2681

ASTONISHMENT LODE

SUPPLEMENTAL AFFIDAVIT

OF

IMPROVEMENTS

## SUPPLEMENTAL AFFIDAVIT OF IMPROVEMENTS.

I, Howard C. Hopkins, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor general for Arizona, dated June 15, 1909, I have in strict conformity with the laws of the United States, the official regulations and instructions thereunder, and the instructions of the said Surveyor General, faithfully and correctly executed the survey of the mining claim of M. A. Mercer, known as the Astonishment lode,-----  
 ----- designated as Survey No. 2681, situated in Globe Mining District, Gila County, Arizona in secs. 9 and 10, T.1 N. R.15 E. G.& S.R. Meridian, Crook National Forest, and that the labor expended and improvements made upon or for the benefit of each of the locations embraced in said mining claim, by the claimant or her grantors, are as herein fully stated, and that no portion of, or interest in said labor or improvements so credited to this claim has been included in the estimate of expenditure upon any other claim, and that said improvements consist of;

No.1 A tunnel 3-1/2 x 6 x 12 ft., the mouth of which is located at the discovery point, which is a ledge outcropping 30 ft. wide on the lode line 200 ft. from the east end center, course west from mouth to face.

Value \$120

No.2 A cut the mouth of which bears from Cor. No.1 S.25 31'E. 516 ft., 4 ft. wide, 11 ft. face, course from mouth to face N.85° 00E 16 ft.

Value \$100

No.3 40 ft. of tunnel, <sup>4 ft. wide and 6 ft. high,</sup> the mouth of which bears N.66° 00'W. 507 ft. from Cor. No.2, course from mouth S.38° 13'W. 43 ft., thence N.56° 00'W. 15 ft., thence S.8° 23'W. 135 ft., thence S.10° 00'W. 10 ft. to face. The first 126 ft. of this Tunnel was driven by claimant unknown. The work from 126 to 136 ft and from 148 to 178 ft, was

done by claimants herein. The remaining work was done by other claimants

Value of work done by claimant \$480

OTHER IMPROVEMENTS.

A cut, 4 x 18 ft., the mouth of which bears from Cor. No.1 S.31° 51'E. 438 ft., course N.85° 00'E. from mouth to face.

A cut 4-1/2 x 10 ft., the mouth of which bears from the east end center, N.61° 30'W. 198 ft., course from mouth to face S.80° 00'W. 17 ft

A cut 3 x 10 ft., the mouth of which bears from the east end center, N.48° 30'W. 128 ft. course from mouth to face S.50° 30'W. 17 ft

A tunnel from the face of above cut, 3 x 6 ft., course S.50° 00'W. 44 ft. to face.

Claimants of other improvements, unknown.

*Howard C. Hopkins*

U. S. Mineral Surveyor.

Subscribed and sworn to by Howard C. Hopkins, United States Mineral Surveyor, before me, a Notary <sup>Public</sup> for Gila County, Arizona

this <sup>20<sup>th</sup></sup> day of <sup>December</sup> 1909

My commission expires <sup>July 10, 1912.</sup>

*Chas. Cardin*

Notary Public.

Affidavit of Five Hundred Dollars Improvements.

We, J.H. Stemm and A.C. Carlson

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Astonishment mining claim, situate in Globe Mining district, Gila County, Arizona Territory, for which M.A. Mercer

has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and her grantor exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

*J.H. Stemm*  
*A.C. Carlson*

TERRITORY OF ARIZONA, }  
County of Gila } ss:

Sworn to and subscribed before me, this thirty-first

day of January, 1910



My Commission expires 1-10-1914

*George R. Stuee*

Notary Public.

(4-691.)

# Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

I, U. S. Surveyor General for the District of Arizona,  
do hereby certify that Five Hundred Dollars' worth of labor has been expended or  
improvements made by claimant or her grantors, upon the mining claim of

M. A. Mercer

known as the Astonishment,  
situate in Globe mining district,  
Gila County, Arizona

in Sections 9 & 10, Township No. 1 N., Range No. 15 E.;

that said improvements consist of 1 cut and 2 tunnels, total value,  
\$700.00

and that no portion of said labor or improvements has been  
included in the estimate of expenditures upon any other claim. A copy of the report of  
Howard C. Hopkins, U. S. Deputy Mineral Surveyor, dated  
December 20, 1909, is hereto attached.

Frank S. Ingalls,

*U. S. Surveyor General for* Arizona.

*Office of U. S. Surveyor General,*

Phoenix, Arizona,

February 4, 1910.