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*History and formation of field*

(4-683.)

Mineral Survey No. 1621

Lot No. \_\_\_\_\_

Gila Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Troy Copper Company

KNOWN AS THE

Troy and Homstake lodes

Revsdale Mining District,

Pinal County, Arizona

Section unsurveyed, Township 3 S unsurveyed, Range 14 E unsurveyed

Surveyed under instructions dated Dec. 18, 1901,

by Albert J. Colton,

U. S. Deputy Mineral Surveyor.

Claim located Aug. 22, 1900 - Jan 4, 1896

Survey commenced June 23 rd, 1902

Survey completed June 24 th, 1902

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, J. R. Hammer and \_\_\_\_\_,  
do solemnly swear that we will well and faithfully execute the duties of chain carriers;  
that we will level the chain upon even and uneven ground and plumb the tally-pins,  
either by sticking or dropping the same; that we will report the true distance to all  
notable objects, and the true length of all lines that we assist in measuring, to the best  
of our skill and ability, and in accordance with instructions given us, in the survey of  
the Mining Claim of The Troy Copper Company  
\_\_\_\_\_, known as the  
Troy and Hornstake Lodes  
situate in Reverside mining district,  
Prinal County, Arizona  
in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. Unsurveyed  
R. Hammer, Chairman.  
\_\_\_\_\_, Chairman.

Subscribed and sworn to by the above-named persons before  
me this 23 day of June, 1890<sup>2</sup>

Albert T. Patton

My commission expires Feb. 18, 1903 Notary Public in and for the  
County of Arizona, Territory of Arizona

I, Alex B. Wolven, do solemnly swear that I will well and  
truly perform the duties of axeman, in the establishment of corners and other duties,  
according to instructions given me and to the best of my skill and ability, in the survey  
of the Mining Claim of The Troy Copper Company  
\_\_\_\_\_  
known as the Troy and Hornstake Lodes,  
more fully described in the preceding affidavit.

Alex B. Wolven, Axeman.

Subscribed and sworn to by the said Alex B.  
Wolven before me this 23 day of  
June, 1890<sup>2</sup>

Albert T. Patton

My commission expires Feb. 18, 1903 Notary Public in and for the  
County of Arizona, Territory of Arizona

I, \_\_\_\_\_, do solemnly swear that I will  
well and truly perform the duties of flagman, in the establishment of corners and other  
duties, according to instructions given me and to the best of my skill and ability, in the  
survey of the Mining Claim of \_\_\_\_\_  
\_\_\_\_\_  
known as the \_\_\_\_\_,  
more fully described in the preceding affidavit.

\_\_\_\_\_, Flagman.

Subscribed and sworn to by the said \_\_\_\_\_  
\_\_\_\_\_ before me this \_\_\_\_\_ day of  
\_\_\_\_\_, 18 \_\_\_\_\_

(1)

Feet

## Tray Lode

Beginning at Cor. No. 1.  
Southeasterly Cor. of Claim.  
Identical with location Cor.  
A pine post 3 feet long, 4 inches square.  
Set 18 ins. in the ground.  
Scribed 1-1621. Whence  
U. S. S. M. No. 1. bears S.  $38^{\circ}50'$  W,  
670 feet,  
No other bearings available.

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Thence N.  $29^{\circ}55'$  W.

300 To loc. Mon. Easterly end center of claim.

600 To Cor. No. 2.

Identical with cor. of location.  
I set a pine post 3 feet long, 4 ins.  
square, 18 ins. in the ground.  
Scribed 2-1621.  
No bearings available.

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Thence S.  $60^{\circ}05'$  W.

130 A wagon road bears N. & S.

750 E. Mon. for northerly side center.

1400 Center of wash. 10 feet wide on bottom.  
Cause East.

1500 To Cor. No. 3.

Identical with northeasterly Cor.  
of Claim, loc. Mon.  
I set a pine post 3 feet long, 4 ins.  
square, 18 ins. in the ground.  
Scribed 3-1621.  
No bearings available.

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Thence S.  $29^{\circ}55'$  E.

300 Loc. Mon. for westerly end center of claim.

600 To Cor. No. 4.

Identical with loc. Mon. for south-  
westerly cor. of claim.  
I set a pine post 3 feet long, 4 ins. square.  
18 ins. in the ground Scribed 4-1621.  
No bearings available.

Feet

- Thence N.  $60^{\circ} 05'$  E.
- 100 Center of wash, 10 feet wide on bottom  
cause S.  $47^{\circ}$  W.
- 150 A wagon road, bears N  $52^{\circ}$  E + S.  $52^{\circ}$  W.
- 600 A wagon road bears E. + W.
- 750 Loc. Mon. for southerly side center.
- 1150 A wagon road bears N. + S.
- 1500 To Car. no. 1, the place of beginning
- 

### Homstake Lode.

Beginning at Car. no. 1.  
Identical with Loc. Mon. for  
northeasterly cor. of claim, and Car.  
no. 1. Tray lode of this survey.  
scribed post 1-1621.

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- Thence S.  $29^{\circ} 55'$  E.
- 100 wagon road from Tray to Globe  
bears N.  $60^{\circ}$  E + S.  $60^{\circ}$  W.
- 300 Loc. Mon. for Easterly end center of  
claim.
- 560 wagon road from Florence to Globe.  
bears N. +  $26^{\circ} 40'$  W.
- 600 To car. no. 2.  
Identical with Loc. Mon. for South-  
easterly cor. of claim.  
I set a pine post 3 feet long, 4 ins. square.  
18 ins in the ground. Scribed 2-1621.  
no bearings available.
- 

- Thence S.  $60^{\circ} 05'$  W.
- 60 wagon road from Florence to Globe.  
bears N.  $26^{\circ} 40'$  E + S.  $26^{\circ} 40'$  W.
- 600 Wagon road from Florence to Tray.  
bears N.  $24^{\circ}$  W. + S.  $24^{\circ}$  E.
- 750 Loc. Mon. for southerly side center.
- 900 into wash 10 feet wide on bottom.  
Cause South.

(3)

Feet-

1300 To Car. no. 3.  
 Identical with Loc. Mon. for  
 Southwesterly Cor. of Claim  
 I set a pine post 3 feet long 4 ins.  
 square. 18 ins. in the ground.  
 I ciked 3-1621.  
 No bearings available.

Thence N. 29° 55' W.

300 Loc. Mon. for westerly end center.  
 500 Center of wash 10 feet wide on bottom  
 cause. S. 42° W.  
 550 a wagon road, bears N 60° E. + S. 60° W.  
 600 To Car. No. 4.

Identical with Loc. Mon. for North-  
 westerly Cor. of Claim, and Car. No. 4  
 of Tray lode of this survey.  
 scribed feet 4.

Thence N. 60° 05' E.

100 Center of wash 10 feet wide on bottom.  
 cause. S. 42° W.  
 150 A wagon road bears. N. 52° E. S. 52° W.  
 600 A wagon road bears. E. + W.  
 750 Loc. Mon. for northerly side center of  
 Claim.  
 1150 A wagon road bears. N. + S.  
 1300 To Car. No. 1. the place of beginning.

Variation at all corners of Tray  
 and Hornstake lodes. N. 14° E.

Area.

Tray lode	20.66 Acres
Hornstake	20.66 "
Total	41.32 Acres.

The survey of the Tray and Hornstake  
 lodes are identical with respective  
 location.

### Location.

This claim is located on unsurveyed land approximately what would be if surveyed. Sec 17, T. 3 S, R. 14 E. in Riverside Lode Mining District, Pinal County, Arizona Territory.

### Adjoining Claims.

The Esser and Jay joins the Troy on the North. and the Westfield joins the Troy and Hornstate on the west - all unsurveyed - all owned by the Troy Copper Company.

### Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant - and <sup>its</sup> ~~the~~ <sup>is</sup> ~~is~~ <sup>is</sup> not less than five hundred dollars, and that said improvements consist of.

- 1- Dike shaft of Troy lode, bears from Cor. No 3. S.  $47^{\circ}30'$  E. 316 feet.  $4 \times 6$  ft. 10 ft. deep in rock  
Value \$100.
- 2- A shaft bears from Cor. No 1. N.  $66^{\circ}40'$  W. 385 feet.  $4\frac{1}{2} \times 6$  ft. 50 feet deep. Timbered 10 feet from top.  
Value. \$625.
- 3- Dike shaft of Hornstate lode, bears from Cor. No. 4. S.  $87^{\circ}35'$  E. 558 feet.  $4 \times 6$  ft. 10 feet deep. in rock  
Value \$100.
- 4- A shaft bears from Cor No 1. S.  $41^{\circ}35'$  W. 945 feet -  $4 \times 6$  ft. 35 feet deep, at bottom of shaft a cross cut N. 10 feet - and S. 15 feet.  
Value. \$650

### Other Improvements,

Assay office, a frame building  
 14 x 18 ft. S.E. Cor. bears from cor. No 1,  
 S.  $80^{\circ}$  W. 520 feet.

Office, a frame building  
 22 x 48 ft. S.E. Cor. bears from cor. No 1  
 S.  $78^{\circ}$  W. 560 feet.

Dwelling, a frame building  
 14 x 18 ft. S.E. Cor. bears from cor. No 1,  
 S.  $76^{\circ}$  W. 440 feet.

Store, a frame building  
 22 x 30 ft. N.E. Cor. bears from cor. No 1,  
 S.  $49^{\circ}$  W. 360 feet.

### Ledges

Ledge on Tray lode, is traceable from  
 W.E.C., N.  $60^{\circ}05'E$ . through <sup>at</sup> center of claim  
~~300 ft. <sup>at</sup> N.  $60^{\circ}05'E$  350 feet. and from~~  
~~at No. 2. S.  $60^{\circ}$  W. 50 feet. and N.  $60^{\circ}05'E$  100 feet.~~

Ledge on Hornstake lode, is very  
 prominent - from westerly end  
 center N.  $60^{\circ}05'E$  entire length of claim.

### Instrument.

This survey was made with  
 a Young & Sons Light Mountain  
 Transit. the Courses were deflected  
 from a true Meridian determined  
 by observation on Polaris.  
 The distance were measured with  
 a 100 foot steel tape.

Albert T. Dalton,  
 U.S. Deputy Mineral Surveyor.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Albert T. Colton  
 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 Troy Copper Company  
 known as the Troy and Newstate Lodes  
 and showing the respective capacities in which they acted.

T. Hammer, Chairman.  
 \_\_\_\_\_, Chairman.  
Alex B. Wolven, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, T. Hammer  
 and Alex B. Wolven, do solemnly swear that we assisted Albert T. Colton,  
 United States Deputy Mineral Surveyor, in marking the corners and  
 surveying the boundaries of the mining claim of The Troy Copper  
Company

known as the Troy and Newstate 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.

T. Hammer, Chairman.  
 \_\_\_\_\_, Chairman.  
Alex B. Wolven, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me  
 this 24 day of June, 1902

Albert T. Colton

My commission expires Feb. 18, 1905

Notary Public in and for Final  
 County, Arizona, 1902

(4-686.)

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

I, Albert T. Colton, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 18, 1901, 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 Tray Copper Company, known as the Tray and Horse Lake Lodes, situate in Prusside Mining District, Pinal County, Arizona, in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. Unsurveyed and designated as Survey No. 1621, 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.

Albert T. Colton  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Albert T. Colton  
U. S. Deputy Mineral Surveyor, before me Daniel C. Stevens  
Stevens this 28th  
day of June, 1902.

Daniel C. Stevens  
Clerk, Federal Court, Second Judicial  
District of Arizona, in and for  
Pinal County.

Affidavit of Five Hundred Dollars Improvements.

We, T. S. MacLay, and S. B. Williams

of lawful age, being first duly sworn according to law, depose and say: That we are

acquainted with the Troy and Hornstate mining claim, situate

in Riverside Mining District, Pinal County,

Arizona Territory, for which The Troy Lessor Company

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 its grantors exceed Five Hundred Dollars in value, and further, that we are not personally interested in said mine.

T. S. MacLay

S. B. Williams

TERRITORY OF ARIZONA,  
County of Pinal } ss:

Sworn to and subscribed before me, this 16

day of August, 1902

J. N. De Groot

Justice of the Peace.

Copy this

### Location Notice.

Notice is hereby given, that the Troy mining claim, containing mineral bearing quartz, earth or rock in place, located by Charles H. Cutting on this 27th day of August 1900, has been located for mining purposes. Said claim is 1500 feet in length, and we claim 300 feet on each side of the center of discovery shaft, for full length of claim. The general course of this lode deposit or premises, is North east and South west.

This claim is situated in Riverside Mining District, Pinal County, Territory of Arizona, about 7 miles in a northerly direction from Riverside Stage Station - Globe and Kelvin wagon road crossing east end of said claim and lays north and is parallel to the Homestake.

This claim is bounded and marked as follows, to wit: Beginning at the West center end post or monument, being 100 feet West of the center of

discovery shaft upon which the notice is posted: thence 300 feet in a southerly direction to a post or monument; thence 750 feet in a easterly direction to a post or monument at the center of the south side line of claim; thence 750 feet in a easterly direction to a post or monument; thence 300 feet in a northerly direction to a post or monument, being the center end post or monument of east end of said claim and 1400 feet east from the center of discovery shaft; thence 300 feet in a northerly direction to a post or monument; thence 750 feet in a westerly direction to a post or monument, being the center of the north side line of claim; thence 750 feet in a westerly direction to a post or monument; thence 300 feet in a southerly direction to the place of beginning. Done under and by virtue of the laws of the United States, and the laws of the Territory Arizona.

Witness: Charles H. Cutting.  
 Thos. Kavanaugh.  
 J. H. Wellington.  
 J. C. Clark.

Filed and recorded at request  
 of Chas. H. Cutting on the 1<sup>st</sup> day  
 of December A. D. 1900 at 9 o'clock A.M.  
 F. A. Chamberlain Recorder  
 by Thos. G. Peyton Deputy.

Territory of Arizona } ss.  
 County of Pinal }  
 I, Thos. G. Peyton County  
 Recorder in and for Pinal County  
 Territory of Arizona, do hereby certify  
 that the above and foregoing  
 is a full true and correct copy  
 of the Troy mining claim, as the  
 same appears of record in Book  
 No 18 at Page 44 Records  
 of Mines of Pinal County Arizona  
 Territory.

Witness my hand and official  
 seal this 22nd day of Oct A.D. 1901  
 Thos. G. Peyton  
 County Recorder

## Location Notice.

Notice is hereby given that the  
 Hornstake Mining claim. Contain-  
 ing Mineral bearing quartz, earth  
 or rock in place, located by J. H.  
 Billington on this 4 day of January,  
 1896. has been located for Mining  
 purposes. Said claim is 1500 feet in  
 length and we claim 300 feet on  
 each side of the center of Discovery  
 Shaft. for full length of claim.  
 The general course of this lode, deposit  
 or premises is North East and South  
 West. This claim is situated in  
 Riverside Mining District, Pinal  
 County, Territory of Arizona. about  
 seven miles from Riverside in a  
 North east direction from and corners  
 on or near the Globe and Riverside  
 wagon road. and joins on the North  
 East end of the Climax Copper Mine  
 No 1. and shall be known as one  
 of the Climax Group of Copper Mines.  
 This claim is bounded and  
 marked as follows. to wit: Beginning  
 at the South West Center end post  
 or monument being about 500 feet  
 South West of the center of discovery

done  
 1/6/96

shaft. upon which this Notice is posted: thence 300 feet in a Southerly direction to a post or monument: thence 750 feet in a Easterly direction to a post or monument at the center of the South side line of claim: thence 750 feet in a Easterly direction to a post or monument: thence 300 feet in a Northerly direction to a post or monument being the center end post or monument of Easterly end of said claim and about 1000 feet North East from the center of discovery shaft: thence 300 feet in a Northerly direction to a post or monument: thence 750 feet in a Westerly direction to a post or monument, being the center of the North side line of claim: thence 750 feet in a Westerly direction to a post or monument: thence 300 feet in a Southerly direction to the place of beginning.

Done under and by virtue of the laws of the United States, and the laws of the Territory of Arizona.

J. H. Billington.



Witness.

E. G. Griffith.

W. H. Sutherland.

Filed and recorded at request  
of J. H. Willington February 4<sup>th</sup>  
1896 at 1 - P. M.

Jose M. Ochoa. Recorder  
G. G. Thurston Deputy.

Territory of Arizona } s.s.  
County of Pinal }

I, Thos. G. Peyton County Recorder  
in and for Pinal County Territory of  
Arizona, do hereby certify that the  
above and foregoing is a full true  
and correct copy of the Homestake  
Mining <sup>claim</sup>, as the same appears  
of record in Book No 14 at Page  
371 Records of Mines of Pinal County  
Arizona Territory

Witness my hand and official  
seal this 22<sup>nd</sup> day of Oct A.D. 1901  
Thos. G. Peyton  
County Recorder.

(4-687.)

# 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*

*Feb. 11<sup>th</sup> 1903, 18*

I, U. S. Surveyor General for

*Dist. of Arizona*

do hereby certify that the foregoing and hereto attached Field Notes and Return of the

Survey of the Mining Claim of

*The Troy Copper Company*

....., known as the

*Troy and Hornstake*

situate in

*Riverside*

..... mining district,

*Pinal*

County,

*Arizona*

in Section

....., Township No.

....., Range No.

....., designated as Survey No.

*1621*

executed by

*Albert T. Colton*

....., U. S. Deputy Mineral

Surveyor,

*June 23-24, 1902, 18*

....., under my instructions dated

*Dec. 18, 1901, 18*

....., 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. A true copy of the copy of the location

certificate filed by the applicant for survey is included in the field notes.

*Hugh H. Price*

U. S. Surveyor General for

*Arizona*

SURVEY W<sup>o</sup> 1621  
 GILA LAND DISTRICT  
 Surveyed 23-24, 1907  
 by Albert J. Bolton  
 and W. J. Min. Juvayga

