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*Albert F. Bolton* 1890

C

*Howell Geo. ...  
platted Jan 29/00 T.A.*

(4-683.)

Mineral Survey No. 1617

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

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Troy Copper Company

KNOWN AS THE

Last Chance and 91 Lodes

Riverside Mining District,

Prinal County, Arizona Territory

Section unsurveyed, Township 3 S unsurveyed, Range 14 unsurveyed

Surveyed under instructions dated Dec. 18, 1901,

by Albert F. Bolton

U. S. Deputy Mineral Surveyor.

Claim located Aug. 28 - 1891 + April 20, 1892 +

Survey commenced June 25, 1902

Survey completed June 24, 1902

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, R. Hammer and Alex B. Wolven, 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 Tray Copper Company, known as the Last Chance and 91 Lodes situate in Riverside mining district, Prinal County, Arizona in Section —, Township No. —, Range No. unsurveyed

R. Hammer, Chainman.  
 \_\_\_\_\_, Chainman.

Subscribed and sworn to by the above-named persons before me this 25<sup>th</sup> day of June, 181902

Albert T. Colton

My commission expires Feb. 18, 1905 Notary Public in and for Prinal County, Arizona, Terr.

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 Tray Copper Company known as the Last Chance and 91 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 25 day of June, 181902

Albert T. Colton

My commission expires Feb. 18, 1905 Notary Public in and for Prinal County, Arizona, Terr.

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 \_\_\_\_\_



Feet

Last Chance lode.

Beginning at Cor. No. 1.  
 Northeastly Cor. of Claim  
 Identical with loc. Cor.  
 I set a pine post 3 feet long, 4 ins  
 square, 18 ins. in the ground.  
 Scribed 1-1617. Whence  
 U.S.S. M. No. 1. bears. N.  $24^{\circ}42'$  E.  
 1847 feet.  
 No other bearings available.

Thence S.  $66^{\circ}15'$  W.  
 40 <sup>center of</sup> Deep wash 10 feet wide on bottom  
 course N.  $79^{\circ}$  E.  
 1500 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 2-1617.  
 No bearings available.

Thence S.  $23^{\circ}45'$  E.  
 300 Loc. Mon. for westerly end center.  
 600 To Cor. No. 3.  
 Identical with Cor. of location  
 I set a pine post 3 feet long,  
 4 ins. square. 18 ins. in the ground  
 Scribed 3-1617.  
 No bearings available.

Thence N.  $66^{\circ}15'$  E.  
 1500 To Cor. No. 4.  
 Identical with Cor. of location  
 I set a pine post 3 feet long  
 4 ins. square. 18 ins. in the ground.  
 Scribed 4-1617.  
 No bearings available.

Feet Thence N.  $23^{\circ} 45'$  W.  
 300 To loc. Mon. for Easterly end center.  
 350 Center of wash 10 feet wide  
 on bottom, course N.  $70^{\circ}$  E.  
 580 Center of deep wash, 10 feet wide on  
 bottom, course N.  $79^{\circ}$  E.  
 600 To car. no. 1. the place of beginning.

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### 91 Lode.

Beginning at car. no. 1.  
 Identical with car. of location,  
 Northeastly corner of claim.  
 I set a pine post 3 ft. long, 4 ins. square,  
 18 ins. in the ground. Scribed 1-1617.  
 Whence U. S. L. M. no. 1 bears  
 N.  $41^{\circ} 50'$  E. 1512.3 feet.  
 no bearings available.

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1500 Thence S.  $66^{\circ} 15'$  W.  
 To car. no. 2.  
 Identical with car. of location.  
 I set a pine post 3 feet long, 4 ins.  
 square, 18 ins. in the ground  
 Scribed 2-1617.  
 no bearings available.

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300 Thence S.  $23^{\circ} 45'$  W.  
 To loc. Mon. for westerly end center.  
 600 To car. no. 3.  
 Identical with car. of location  
 and car. no 2. Last Cronce lode  
 of this survey.

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1460 Thence N.  $66^{\circ} 15'$  E.  
 Center of deep wash, 10 ft. wide on  
 bottom, course N.  $79^{\circ}$  E.  
 1500 To car. no 4.  
 Identical with car. of location  
 and car. 1. of Last Cronce lode,  
 of this survey.



Feet-

Thence N.  $28^{\circ}45'$  W.  
 300 See mon. for easterly end  
 center of claim.  
 600 To corner no. 1 the place of beginning.

Variation at all corners, on  
 Last-Clone and 91 lodes. N.  $14^{\circ}8'$ .

### Area

Last-Clone lode	20.66 acres
91 lode	<u>20.66 "</u>
Total	41.32 Acres.

The survey of the Last-Clone  
 and 91 lodes are identical  
 with respective locations

### Location

This claim is located on unsurveyed  
 land, approximately what would  
 be if surveyed. Sec. 20, T. 3. S. R. 14. E.  
 Riverside Mining District,  
 Pinal County, Arizona Territory.

Adjoining claims  
 This claim is joined on  
 the north by the Samwell,  
 on the west by the Buckeye,  
 and Bullett, and on the  
 south by the Tiger and  
 Fraktion, <sup>all unsurveyed</sup> all owned by  
 the Prag Copper Company.

Expenditure of five hundred  
 dollars.

I certify that the value of the  
 labor and improvements  
 upon this claim placed there  
 on by the claimant or its grantors  
 is not less than five hundred  
 dollars, <sup>for each location</sup> and that said im-  
 provements consist of:



- 1- Misc. Shaft. Last Chance lode.  
 Heals from cor. no. 2. S.  $43^{\circ}47'$  E.  
 320 feet,  $4 \times 6 \times 10$  feet deep  
 Value. \$100.00
- 2- A. Tunnel  $4 \times 7$  ft. Cause S.  $60^{\circ}$  W.  
 length. 375 feet.  
 Mouth heals from ~~W.~~<sup>E.</sup> end center  
 of Last Chance. S.  $60^{\circ}$  W. 10 feet  
 Value \$3750.00
3. A Tunnel  $4 \times 7$  feet cause  
 S.  $60^{\circ}$  E. length 720 feet,  
 Mouth heals from ~~W.~~<sup>E.</sup> end center  
 of Last Chance. S.  $60^{\circ}$  W. 300 feet.  
 At 325 feet from Mouth a wing.  
 $4 \times 6.55$  feet deep  
 Value \$7700.00
- 4- A. Tunnel  $4 \times 7$  ft. cause S.  $60^{\circ}$  W  
 length 450 feet.  
 at 250 feet from mouth a wing.  
 $4 \times 6$  ft. 77 feet deep. connects with  
 no. 2.  
 Mouth of tunnel heals from  
 E end center of Last Chance.  
 S.  $60^{\circ}$  W. 475 feet  
 Value \$5270.00
- 5- A. Tunnel.  $4 \times 7$  ft. Cause S.  $60^{\circ}$  W  
 length 100 feet, at face. a  
 wing  $4 \times 6.51$  feet deep. Can be  
 raised  $4 \times 6.55$  feet to surface.  
 Mouth of tunnel heals from  
 E end center of Last Chance.  
 S.  $60^{\circ}$  W. 600 feet  
 Value \$2000.00
- On 91 lode.  
 no. 1. <sup>Quarry</sup> A Tunnel (location work)  
 $4 \times 7$  ft. Cause South.  
 length. 155 feet  
 Mouth heals from cor. no. 1.  
 S.  $39^{\circ}45'$  W. 950 feet.  
 Value. \$1500.00

2- A shaft 6x7 ft. 375 feet deep timbered  
 center of shaft bears from cor.  
 no. 1. S. 43.15' W. 1225 feet.  
 At 92 ft depth. cross cut 4x6 ft. 125 ft.  
 N. 30 ft. at face of N. cross cut  
 a drift 4x6 ft. west 175 ft.  
 and drift 4x6. East. 250 ft.  
 At depth 198 ft. cross cut 4x6  
 S. 105 ft. and N. 80 ft. at  
 face of N. cross cut drift 4x6  
 East. 85 feet.  
 At 300 ft. depth cross cut 4x6 ft  
 S. 20 ft. at face of cross cut  
 drift W. 107 ft. and E. 25 ft.  
 4x6 ft. and cross cut 4x6 ft  
 N. 180 ft. at face. drift 4x6  
 E. 125 ft. and west. 175 ft.  
 At 350 ft. depth cross cut  
 4x6 S. 95 feet -

Value \$23480.00  
 Gealing hoist and building  
 at shaft.

Value \$3200.00

Sedges.

On last course  
 a ledge traceable from disc.  
 shaft. N. 66° 15' E. 100. and outcrop  
 at E end center.

On 91 Rod  
 ledge wide and prominent -  
 from west end center  
 N 66° 15' E. 600 feet.

Instruments

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 distances  
 were measured with a 100 ft steel tape

Albert S. Colton  
 U.S. Deputy Mineral Surveyor



U. S. LOCATION MONUMENT NO.1,  
RIVERSIDE MINING DISTRICT,  
PINAL COUNTY, ARIZONA.

There being no corners of public land surveys nor no location monument within two miles of survey No. 1617, I establish Location Monument No. 1, Riverside Mining District, Pinal County, Arizona.

A syenite rock in place showing 24 X 24 X 20 inches above ground, chiseled U. S. L. M. No. 1.

X on top of rock, a monument of stone 4 feet high and 6 feet base alongside.

LOCATION.

Top of hill at head of Cane Spring Canon, about two miles above Cane Spring ( a well known point on the Florence and Globe wagon road), at Troy Mining camp, 660 feet west of the Florence and Globe wagon road, in approximately what would be if surveyed Section 17, T. 3 S. R. 14 E. G & S. R. B & M.

BEARINGS.

Highest point of Troy Mt. bears S. 27 52' W. about 1 mile Dist.

Highest point on Manhattan Mt. bears S. 49 10' E. about 1 1/2 miles Dist.

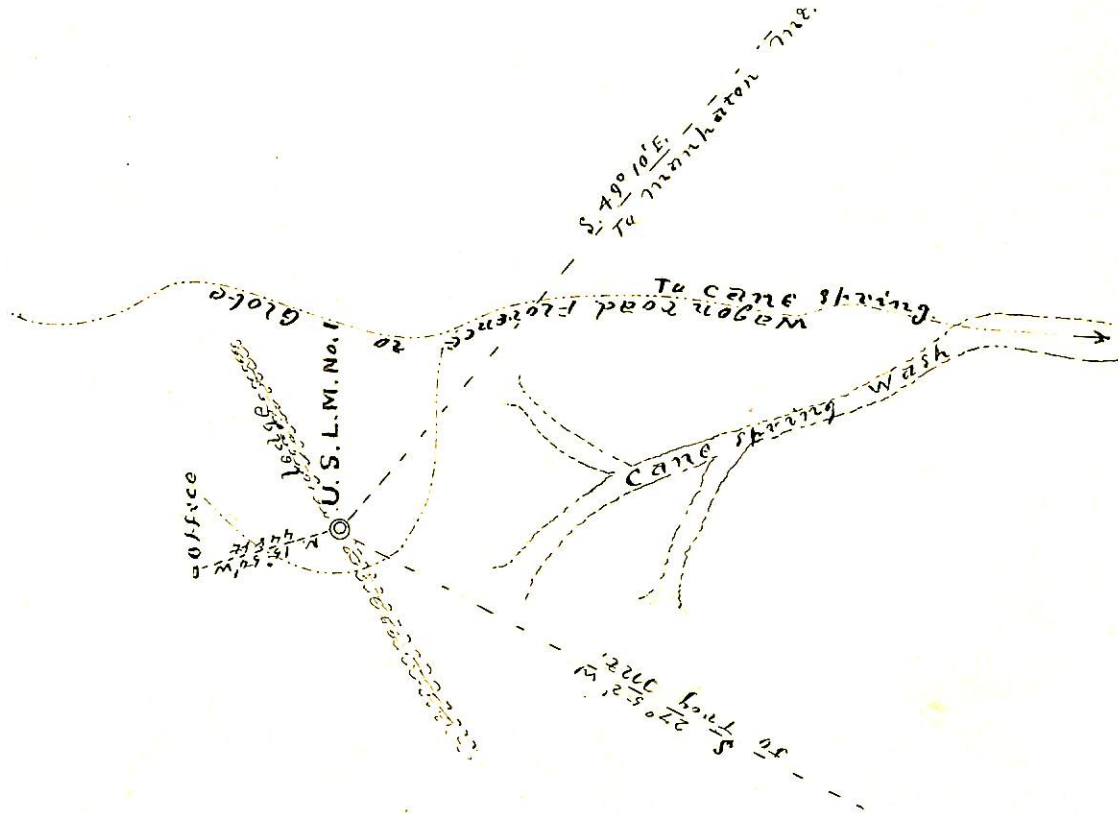
S. E. corner of Troy Copper Co. office, bears N. 15 50' W. 448 feet.

Established June 23rd, 1902.

*Albert S. Colton*

U. S. Depty. Min. Surveyor.





PLAT OF  
 LOCATION OF U.S.L.M. No. 1.  
 RIVERSIDE MINING DIST.  
 PINAL COUNTY ARIZ.  
 Established June 23rd, 1902  
 By Albert T. Colton  
 U. S. Deputy Min. Surveyor.



## Location Notice

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress, approved May 10 1872 and all Acts amendatory thereto, have this day located and claim 1500 hundred linear feet along the course of this lead lode or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead lode or vein, situate in the Riverside Mining District Pinal County Arizona, and more particularly described as follows to wit.

Commencing at this monument of stones being the center of the West end of claim, and upon which this notice is posted. thence south 300 feet to a monument of stones, thence East 1500 feet to a monument of stones, thence North 300 feet to a monument of stones, being the center of the East End of claim thence 300 North feet to a monument of stones thence West 1500 feet to a monument of stones



thence South 300 feet to the place  
of beginning.

This Claim Located about 3 three  
miles north East of Riverside and  
about 1 mile north of Cane Springs  
and about  $\frac{1}{2}$  mile north of the  
road and shall be known as  
the 91 Mine. Located Aug the 28<sup>th</sup>  
1891.

Locators J. H. Shoemaker  
Harry Bowen

Witness

Ben Fox.

Filed and recorded at request  
J. H. Shoemaker October 7th. A.D. 1891  
at 9:30 A.M.

A. G. Williams Recorder.



Territory of Arizona }  
 County of Pinal } ss.

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

91 mining<sup>claims</sup> as the same  
 appears of record in Book No 12  
 at Page 504 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.



## Location Notice.

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10 1872, and all Acts amendatory thereto, have this day located and claim 1500 linear feet along the course of this lead, lode, or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead lode or vein. situate in the Riverside Mining District County of Pinal Arizona, and more particularly described as follows to wit. Commencing at this monument of stones being the center of the South West end of claim, and upon which this notice is posted, thence Southerly 300. feet to a monument of stones, thence Easterly 1500 feet to a monument of stones, thence northerly 300 feet to a monument of stones being the center of north west end of claim, thence Northerly 300 feet to a monument of stones, thence Westerly 1500 feet to a monument



of stones, thence southerly 300 feet to place of beginning.

This claim is about 4 miles east of Riverside and about  $\frac{1}{2}$  mile north of Globe and Riverside Road and are parallel with the q, on the South side and shall be known as the Last Chance Mine Located April 20th 1892.

J. H. Shormaker

Harry Bowen

Witness F. Libby.

Filed and recorded at request J. H. Shormaker June 20th A.D. 1892 at 8.30 A.M.

A. G. Williams Recorder.

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 Last Chance mining<sup>claim</sup>, as the same appears of record in Book No 13 at Page 65 Records of Mines of Pinal County Arizona Territory.

Witness my hand and official seal this 22 day of Oct  
A.D. 1901 -

Thos. G. Peyton  
County Recorder.



# 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 Tracy Copper Company  
 known as the Last Chance and 91 Lode  
 and showing the respective capacities in which they acted.

R. Hammer ..... , Chainman.  
 ..... , Chainman.  
Alex B. Waluen ..... , Axman.  
 ..... , Flagman.

## FINAL OATHS OF ASSISTANTS.

We, R. Hammer  
 and Alex B. Waluen ..... , 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 Tracy Copper Company  
 ..... , known as the  
Last Chance and 91 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 .....

R. Hammer ..... , Chainman.  
 ..... , Chainman.  
Alex B. Waluen ..... , Axman .  
 ..... , Flagman.

Subscribed and sworn to by the above-named persons before me  
 this 26 day of June, 1902

Albert T. Colton

Notary Public in and for Final  
 My commission expires Feb. 18, 1902  
 County, Arizona, Terr.



(4-686.)

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

I, Albert T. Calton, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Dec. 18<sup>th</sup>, 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 Tracy Lepper Company, known as the Last Leland and 91 Lodes, situate in Pinal Mining District, Pinal County, Arizona, in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. Unsurveyed, and designated as Survey No. 1617, 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. Calton  
U. S. Deputy Mineral Surveyor.

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

Daniel C. Stevens  
Clerk, District 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 Last Chance and 91 mining claim, situate  
in Riverside Mining District, Pinal County,  
Arizona Territory, for which The Troy Copper 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 improve-  
ments 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. DeGroot

Justice of the Peace.



(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. 12, 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 *Last Chance and 91 Lodes*

situate in *Riverside* mining district,

*Pinal* County, *Arizona*,

in Section ....., Township No. ...., Range No. ....

....., designated as Survey No. *1617*

executed by *Albert T. Colton*, U. S. Deputy Mineral

Surveyor, *June 25-26, 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 N<sup>o</sup> 1617  
GILA LAND DISTRICT

Surveyed June 26-26-1902

By Albert J. Colton

U.S. Dep. Min. Surveyor

