

OCT. 27. 1913

(4-683.)

Mineral Survey No. 3088

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

Arizona

Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Ray Consolidated Copper Company

KNOWN AS THE

Copper zone No 3

Mineral Creek

Mining District,

Pinal

County,

Arizona

*Approximately*

Section 112

, Township 35

, Range 136 unsurveyed

Surveyed under instructions dated July 17, 1913

by Olin C. Thompson,

U. S. ~~Deputy~~ Mineral Surveyor

Claim located See Location notes 1

Survey commenced Aug 11, 1913.

Survey completed Aug 15, 1913.

Address;

o 6-169

Chalmers & Kent;

Kent & Chalmers Attys

Phoenix, Arizona

FEET.

## S U R V E Y No. 3088.

## COPPER ZONE NO. 3.

Executed simultaneously with the survey of Copper Zone No. 1 lode Survey No. 3086 and Copper Zone "2 lode, Survey No. 3087.

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Beginning at Corner No. 1, identical with location which is a post 4 inches square 3 feet above ground, marked SW. cor. C.Z.3 in mound of stone. Also identical with Cor. No. 2 Copper Zone "2 lode, Survey No. 3087, a sandstone 10x14x26 inches set 14 inches in the ground, chiseled "2-CZ2-3087", X at exact corner point, to which I add "1-CZ3-3088" from which "U.S.M.M.No. 2718 bears S.15°34'21" 1803.07 feet. No other brs. available.

Thence N. 23° 30' W.

118.00 Road to Ray bears NW and SE.

171.00 WEC. Identical with location, a mound of stone.

344.93 Cor. No. 2, identical with location, a post 4 inches square 3 feet above ground marked "NW.cor. CZ3" I replace post with a sandstone boulder 10x12x24 inches, set 12 inches in the ground, chiseled "2-CZ3-3088", X on top at exact corner point. No brs. available.

This corner is on line 3-4 of Era No. 1 lode survey No. 2605; cor. No. 4, a post 4 inches square, 3 feet above ground marked "4-E.1-2605" in mound of stone, bears N. 74° 56' E. 354.61 feet.

Thence N. 71° 58' 41" E.

95.00 Foot of bluff 50 feet high bears N. and S.

175.00 Top of bluff, thence over ascending mesa.

827.00 18 inch supply pipe to Ray waterworks, bears NW and SE.

991.00 Top of mountain bears N. NW and S. SE.

1191.00 Foot of cliff bears N. and S.

1363.00 Gulch bears N.

1441.21 Corner No. 3, identical with location, a post 4 inches square 3 feet above ground, marked "NE cor. CZ3" in mound of stone. I replace post with a sandstone 6x14x26 inches, set 14 inches in the ground chiseled "3-CZ3-3088" X at exact corner point. No brs. available.

FEET.	Thence S. 23° 30' E.
102.33	E.E.C. identical with location, a mound of stone.
273.33	Cor. No. 4, identical with location, a post 4 inches square 3 feet above ground marked "SE cor. CZ3" in mound of stone. Also, identical with Corner No. 3 of Copper Zone "2 lode, Survey No. 3087, a sandstone 10x10x25 inches, chiseled "3-CZ2-3087" X at exact corner point to which I add "4-CZ3-3088" No brs. available.
	Thence S. 69° 08' West.
289.15	Gulch bears N.
325.15	Foot of cliff bears N.
426.15	Top of mountain bears NW. and SE.
515.15	18" supply pipe to Ray waterworks bears NW and SE.
1229.86	Intersect line 1-4 of Era No. 1 lode, survey No. 2605, cor. No. 4 bears N. 2° 04' E. 335.23 feet.
1326.15	Top of steep bluff bears N. NW and SE, descend.
1406.15	Foot of bluff, bears N. NW and SE.
1421.15	Road to Ray bears NW and SE.
1436.15	Cor. No. 1, place of beginning.

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#### VARIATION.

The magnetic variation at all corners is 14° E.

#### MERIDIAN.

Same as determined in Survey No. 3086 Copper Zone No. 1, executed simultaneously with this survey.

#### INSTRUMENT.

This survey was executed with a Buff & Buff transit No. 5998 having horizontal and vertical circles reading by verniers to single minutes. The measurements were made with 500 and 100 ft. steel tapes.

#### DISCREPANCIES.

The differences between this and adjoining surveys, are due to errors in the latter.

#### LOCATION.

This claim is located approximately in Section 11, T.3 S. R. 13 E. G.&S.R.B.& M. unsurveyed, in the Mineral Creek Mining District, Pinal County, Arizona.



FEET.

## LODE. LINE.

The presumed course of vein extends from the point of discovery S. 69 08'W. 70 feet to the W.E.C. and N. 69 08'E., 1366.15 feet to the E.E.C.

## IMPROVEMENTS.

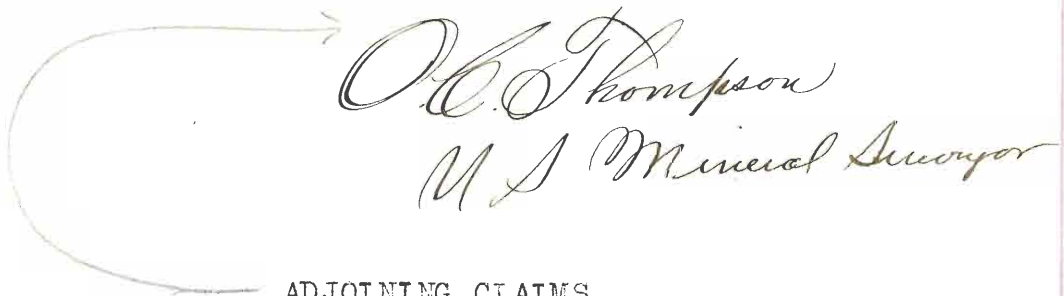
No. 1 - Discovery, Open cut, 4x18x12 feet and tunnel 4x6x42 $\frac{1}{2}$  feet, both bearing N. 86 E. Common face bears N. 69 08'E. 70 feet from W.E.C. Value \$ 415.00

Note:

One third of the improvement on Copper Zone No. 1 Survey No. 3086, noted in the return thereof as a common improvement for the benefit of this claim, <sup>the Copper Zone No. 1 lode, Sur. No. 3086,</sup> and Copper Zone "2 lode, Survey No. 3087, valued at \$6540. Value \$ 2180.00

## AREA.

Copper Zone No. 3, Survey No. 3088, 10,179 acres,  
Conflict with Era No. 1 lode, Survey No. 2605, 2.120 acres.



O. C. Thompson  
U. S. Mineral Surveyor

## ADJOINING CLAIMS.

This claim is bounded on the east by the Copper Zone No. 4 lode, unsurveyed; on the south by the Copper Zone No. "2 lode, Survey No. 3087; on the west by Era No. 1 lode, Survey No. 2605, and on the north by unsurveyed public land.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Oliver C. Thompson

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

Ray Consolidated Copper Company  
known as the Copper Zone No 3

and showing the respective capacities in which they acted.

- W R Clevenger....., Chainman.
- Geo Keller....., Chainman.
- G. H. Fraser....., Axman.
- ....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, W R Clevenger, Geo. Keller  
and G. H. Fraser....., do solemnly swear that we assisted Oliver C Thompson....., United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of

Ray Consolidated Copper Company  
known as the Copper Zone No 3

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

- W R Clevenger....., Chainman.
- Geo Keller....., Chainman.
- G H Fraser....., Axman.
- ....., Flagman.

Subscribed and sworn to by the above-named persons before me this 15th

day of August....., 1903.

S. O. Nolan

Notary Public

My commission expires  
Feb. 27. 1916



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

I, Olin C. Thompson, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 17 1913, 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 Ray Consolidated Copper Company, known as the Copper Zone No 3 Lode, situate in Mineral Creek Mining District, Pinal County, Arizona, approximately, in Section 11, Township No. 2 S., Range No. 13 E. 4th R. 10th W. unsurveyed and designated as Survey No. 3088, 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.

Olin C. Thompson  
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Olin C. Thompson  
U. S. ~~Deputy~~ Mineral Surveyor, before me R. M. Luckey  
this 25th  
day of October 1913,

R. M. Luckey  
Notary Public.

My commission expires Feb. 15, 1916



## NOTICE OF LOCATION.

Notice is hereby Given that the COPPER ZONE No.3 Mining Claim was located by John A. Tillman & R. W. McIntyre on this 25th day of November 1906, for mining purposes.

Said claim is 1,500 feet in length along this vein or deposit of mineral-bearing rock in place, and 300 feet in width on each side of the center of said vein or deposit, from end to end of said claim.

The general course of this claim is easterly & westerly and it is situated in the Mineral Creek Mining District, Pinal County, Arizona, about one mile northerly from Ray Mine on east side of Mineral Creek.

This claim runs from the discovery monument, or stake, on which this notice is posted, 100 feet in a westerly direction to the west center end monument, or stake, and 1400 feet in a easterly direction from the aforesaid location monument, or stake, to the east center end monument, or stake, and is also marked by two corner monuments, or stakes, at each end of said claim, one on each side of and 300 feet from the center end monuments, or stakes, making the claim in the form of a parallelogram.

John A. Tillman

R. W. McIntyre, Locators.

Filed and recorded at request of John A. Tillman, January 19th 1907, at 4.30 o'clock P. M.

G. F. Watson, Recorder.  
Recorder.



State of Arizona,) )  
( ss.  
County of Pinal. )

I, G. F. Watson, County Recorder in and for the County of Pinal, State of Arizona, do hereby certify that the within and foregoing is a full, true and correct copy of the COPPER ZONE No.3 Mining Claim, as the same appears of record in my office in Book No.24 of Records of Mines, at Pages 543; 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 3rd day of July, A. D. 1913.

*G. F. Watson*

Recorder.



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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

March 5, 1914.

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

RAY CONSOLIDATED COPPER COMPANY

, known as the COPPER ZONE No. 3

, situate in Mineral Creek

Mining District, Pinal County,

Arizona Approx. , in Section 11, Township No. 3 S.,

Range No. 13 E., Unsur., and designated as Survey

No. 3088, 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 <sup>or for</sup> said mining claim by claimant or its grantors, and  
that said improvements consist of 1 cut and tunnel, value \$415, and  
an undivided 1/3 interest, value \$2180, in improvement No. 1  
on the Copper Zone No. 1 lode, Survey No. 3086, (which is a  
common improvement for the benefit and development of said  
Copper Zone No. 1 lode, Copper Zone "2 lode, Survey No. 3087,  
and this claim), is properly credited to this claim.

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.

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.

March 5, 1914.

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

RAY CONSOLIDATED COPPER COMPANY

known as the

COPPER ZONE No. 3

situate in Mineral Creek mining district,

Pinal County, Arizona Approx.

in Section 11, Township No. 3 S., Range No. 13 E., Unsur.

designated as Survey No. 3088

executed by Oliver C. Thompson, U. S. Deputy Mineral

Surveyor, Aug. 11-15, 1913, 190, under my instructions dated

July 17, 1913, 190, 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 Ingalls

U. S. Surveyor-General for Arizona.



## Corrected Field Notes

Bdys. Mineral Survey No. 3088,

Copper Zone No.3 lode.

Beginning at Cor. No.1, identical with Cor. No.2  
Copper Zone No.2 lode, Survey No. 3087, whence U.S.L.M.  
No. 2718 brs. S. 15° 34' 21" W 1803.07 ft.

Thence N. 23° 30' W.

344.93 To Cor. No.2.

Thence N. 72° 00' E.

1433.30 To Cor. No. 3.

Thence S. 23° 30' E.

273.33 To Cor. No.4, identical with Cor. No.3 Copper Zone No.2  
lode, Sur. No. 3087.

Thence S. 69° 08' W.

1428.21 To Cor. No.1, the place of beginning.

U. S. Mineral Surveyor.

I, Oliver C. Thompson, being duly sworn, do depose  
and say that the notes of Copper Zone No.3 lode; Survey  
No. 3088, as originally returned by me are in error,  
and that the foregoing notes show the true boundaries  
thereof, and that said error occurred through the  
erroneous reduction of slope measurements to horizontal  
distance.



U. S. Mineral Surveyor.

Subscribed and sworn to before me, a Notary Public  
in and for Maricope County, Arizona, this 10 day of  
December, 1917.



Notary Public.

My Commission expires.

May 8<sup>th</sup> 1920