

Platted

OCT. 27. 1913

(4-683.)

Mineral Survey No. 3086

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 1

Mineral Creek

Mining District.

Pinal

County,

Arizona

Approximately

Section 11

Township 3 S.

Range 13 E.

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:

Chalmers Kent

Attys

Phoenix Arizona

FEET.

S U R V E Y No. 3086
COPPER ZONE No. 1.

Conducted simultaneously with Survey No. 3087
Copper Zone "2 lode and Survey No. 3088, Copper Zone
No. 3 lode.

Beginning at Corner No. 1, identical with location
which is a post four (4) inches square, 3 feet above
ground, marked "SW cor. CZ No. 1", in a mound of stone
which I replace with an andesite boulder 13x11x29 inches, set
16 inches in the ground, chiseled 1-CZ1-3086 with X at
exact corner point, mound of stone along side, and from
which U.S.M.M.No. 2716 bears S.56°32'30"W. 1153.60 feet.
No other brs. available.

Thence N. 23°30'W.

300.00 W.E.C. identical with location, mound of stone.
600.00 Cor. No. 2, identical with location, ^{and Cor. No. 1 Copper Zone 2, Sur. 3087,} a post 4 inches sq.

3 feet above ground, marked "NW cor. CZ1", which I replace
with an andesite boulder 13x16x34 inches, set 20 inches in the
ground, chiseled "2-CZ1-3086" with X at exact corner point
Mound of stone alongside. No brs. available.

Thence N. 69°08'E.

68.00 Wagon road to Ray bears NW & SE.

110.60 Intersect line 3-4 of Fra No. 2 lode, Survey 2605; Cor.
No. 3 bears N. 18°27'28"W. 17.65 feet.

402.00 Foot of steep bluff, bears NW & SE.

481.00 Top of bluff; thence ascending gradually.

1115.30 18 inch supply pipe to Ray water works, NW & SE.
^{and Cor. No. 4 Copper Zone 2, Sur. 3087,}

1436.15 To Cor. No. 3, identical with location, which is a post
4 inches square, 3 feet above ground, marked "NE-Cor. CZ1"
and set in mound of stone. I replace post with a sand
stone 8x14x24 inches, set 12 inches in the ground, chiseled
3-CZ1-3086 and X at exact corner point, mound of stone
alongside. No brs. available.

Thence S. 23°30' E.

300.00 E.E.C. identical with location, a post 4 inches square
3 feet above ground, marked "CZ1 E.C.E.", in mound of stone.

514.76	FEET. SW cor. Copper Zone No. 4 lode, unsurveyed, a post 4 inches square, 3 feet above ground in mound of stone, marked "SW cor. CZ4" Also intersect line 2-3 of Blue Bell lode Survey No. 2605, Cor. No. 2 bears S. $76^{\circ}42'W$ 150.1 feet. Said corner is a post 4 inches square, 3 feet above ground, marked 2 - B.B.-2605.
600.00	Cor. No. 4, identical with location which is a post 4 inches square, 3 feet above ground marked "SE cor CZ No. 1" in mound of stone, I replace same with a sand stone 8x18x24 inches set 12 inches in the ground, chiseled "4-CZ1-3086" and X at exact cor. point, mound of stone along side. No hrs. available. Thence S. $69^{\circ}08' W$.
202.93	Cor. No. 4. Spartan lode survey No. 2605, a post 4 inches square 3 feet above ground, marked "4-S-2605" in mound of stone; whence cor. No. 3, same lode bears S. $74^{\circ}58'W$. 635.81ft. Also intersect line 1-2 Blue Bell lode, Survey No. 2605, whence Cor. No. 2 bears N. $4^{\circ}44'E$. 116.33 feet.
209.80	18 inch supply pipe to Ray water works.
810.00	Top of mountain bears NW and SE.
866.41	Intersect line 2-3 Spartan lode Survey No. 2605, ^{whence} Cor. No. 3, bears N. $4^{\circ}44'E$. 71.66 feet. Also intersect line 3-4 Eagle Brand lode, Survey No. 2884; Cor. No. 3 bears S. $89^{\circ}50'W$. 538.69 feet. Said corner is a post 4 inches square, 3 feet above ground, marked "3-E.B.-2605" in mound of stone. Thence descending steep slope of mountain.
1061.00	foot of same bears NW and SE.
1378.33	Intersect line 2-3 Eagle Brand lode, Survey No. 2884 and line 3-4 Era No. 2 lode, Survey No. 2605, Cor. No. 3 Eagle Brand lode bears N. $18^{\circ}27'28"W$. 190.58 feet, Cor. No. 3, Era No. 2 lode, a post 4 inches square 3 feet above ground bears N. $18^{\circ}27'28"W$. 617.55 feet.
1394.00	Road to Ray bears NW and SE.
1436.15	Cor. No. 1, place of beginning.

FEET.

LODE LINE.

From the point of discovery, the common face of open cut and tunnel, the presumed course of vein bears S. $69^{\circ}08'W$. 434 feet to W.E.C. and N. $69^{\circ}08'E$. 1002.15 feet to E.E.C.

IMPROVEMENTS.

No. 1, Discovery, Open cut 4x17x12 feet, bearing N. 71 E.

Tunnel 4x6x271 feet " " "

Cross cut at point on tunnel 169 feet from mouth, 4x6x160 feet, bears N. $11^{\circ}E$.

From W.E.C. common face of Open Cut and tunnel bears N. $69^{\circ}08'E$. 434 feet.

Value \$6540.00

(See Note next page)

This being a common improvement tending to the development of Copper Zone lode "2 Survey 3087 and Copper Zone lode No. 3 Survey No. 3088, both owned by the claimants hereof, one third of the foregoing valuation, \$ 2180.00 is credited to this lode, and one third thereof to each of the lodes before named.

MERIDIAN.

At approximately 10:30 p.m., August 12, 1913, I observe Polaris at its eastern elongation. The latitude being about $33^{\circ}08'N$. I deflect $1^{\circ}22'30''$ West from the observed elongation to obtain true meridian.

VARIATION.

The magnetic variation at all corners is $14^{\circ}E$.

DISCREPANCIES.

The differences between this survey and those of adjoining and conflicting claims are due to errors in the latter.

AREAS.

Copper Zone No. 1, Survey 3086 19.761 acres

Conflict Copper Zone No. 1, Survey 3086

with Era No. 2 lode Survey No. 2605, 1.159 acres

Eagle Brand lode " " 2884, 1.119 "

Spartan lode " " 2605, 0.492 "

Blue Bell lode, " " " 0.389 "

FEET.

INSTRUMENT.

This survey was made 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 foot steel tapes.

LOCATION.

This survey is located in approximately Sec. 11, T. 3 S. R. 13 E., unsurveyed, in the Mineral Creek Mining District, Pinal County, Arizona.

ADJOINING CLAIMS.

This claim is bounded on the north by the Copper Zone "2" lode ~~Survey~~ Survey 3087, on the east by Copper Zone No. 4^{lode} unsurveyed, and Blue Bell lode, Survey No. 2605; on the south by the Blue Bell lode, Survey No. 2605, Spartan lode Survey No. 2605, Eagle Brand lode Survey No. 2884, and Era No. 2 lode, Survey No. 2605, on the west by Era No. 2 lode, Survey No. 2605.

O. H. Thompson
M. S. Mineral Surveys

Note: Improvement No. 1, the discovery on Copper Zone No. 1, is designated as a Common Improvement for the benefit of the said Copper Zone No. 1 lode, the Copper Zone "2" lode, Sur. No. 3087, and Copper Zone No. 3 lode, Survey No. 3088, because the topography of the claims, the main feature of which is a ridge or mountain extending across the three claims, from northwest to southeast, favors the working of all from a single opening. By extending the crosscut now a part of this improvement the two latter claims will be intersected and said cross cut with the tunnel will afford the easiest means of removing the ore therefrom.

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 1

and showing the respective capacities in which they acted.

W R Clevenger, Chainman.

Geo H Keller, Chainman.

G. H. Fraser, Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, W R Clevenger, Geo H 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 1

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

G. O. Nolan

Notary Public

My commission expires

Feb. 27. 1916



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

I, Olivier 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 1, situate in Mineral Creek Mining District, Pinal County, Arizona, approximately in Section 11, Township No. 3 S, Range No. 13 E Ar S R B T M and designated as Survey No. 3086, 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.

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

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

R M Truckey
Notary Public

My commission expires Feb 15, 1916

NOTICE OF LOCATION.

JUL 17 1913

Notice is Hereby Given that the COPPER ZONE No.1 Mining Claim was located by R. W. McIntyre and John A. Tillman on this 5th day of April 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 and Westerly and it is situated in the Mineral Creek Mining District, Pinal County, Arizona, about

This claim runs from the discovery monument, or stake, upon which this notice is posted, 500 feet in a westerly direction to the west center end monument, or stake, and 1000 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.

R. W. McIntyre

John A. Tillman Locators.

Filed and recorded at request of J. A. Tillman, on July 3rd 1906 at 9 A, M.

E. B. Devine, Recorder.

By N. N. Wells, Deputy.

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.1 Mining Claim as the same appears of record in my office in Book No.24 of Records of Mines, at Page 278 & 279; 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.

4-600.

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. 1

, 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. 3086, 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 claim by claimant or its grantors, and that said improvements consist of 1 cut, tunnel and crosscut, total value \$6540. As this improvement is a common improvement for the benefit and development of this claim, the Copper Zone "2" lode, Sur. No. 3087, and the Copper Zone No. 3 lode, Sur. No. 3088, an undivided 1/3 interest, value \$2180, is apportioned to this survey, the remaining 2/3, value \$4360, being reserved for said Copper Zone "2" and Copper Zone No. 3 lodes.

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, 190

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. 1

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. 3086

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 S. Lyall

U. S. Surveyor-General for Arizona.

Corrected Field Notes

Bdys. Mineral Survey No. 3086.

COPPER ZONE NO. 1 Lode.

Beginning at Cor. No.1, whence U.S.L.M. No.2718
bears S. 56° 32' 30" W. 1153.60 ft.

Thence N. 23° 30' W.

600. To Cor. No.2, identical with Cor. No.1 Copper Zone No.2
lode, Sur. No. 3087.

Thence N. 69° 08' E.

1428.21 To Cor. No.3, identical with Cor. No.4 Copper Zone No.2
lode, Sur. No. 3087.

Thence S. 23° 30' E.

600.00 To Cor. No. 4.

Thence S. 69° 08' W.

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

Oliver C. Thompson
U. S. Mineral Surveyor.

I, Oliver C. Thompson, being duly sworn, do depose a
and say that in the matter of discrepancy between the
notes of my Survey No. 3086 and the survey of Paul E.
Fernald, U. S. Mineral Surveyor, Mineral Survey No. 3367,
both in Mineral Creek Mining District, Pinal County,
Arizona, as reported by the said Paul E. Fernald, the
true notes are as shown above, and further, that the
error of which the above notes are a correction occurred
through an erroneous calculation in the reduction of
slope measurement to horizontal distance.

Oliver C. Thompson
U. S. Mineral Surveyor

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

J. H. Finney
Notary Public.

My Commission expires

May 3rd 1920