

001.29.1913

(4-683.)

Mineral Survey No. 3087

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Ray Consolidated Copper Company

KNOWN AS THE

Copper Zone "2"

Mineral Creek Mining District,

Pinal County, Arizona

Approximately Section 11, Township 3 S, Range 13 E

Surveyed under instructions dated July 17, 1913

by Olin C. Thompson,
U. S. Deputy Mineral Surveyor

Claim located See location notes

Survey commenced Aug 11, 1913

Survey completed Aug 15, 1913

Address:
Chalmers & Kent,
Kent & Chalmers Atty's
Phoenix, Arizona.

FEET.

S U R V E Y No. 3087,
COPPER ZONE No. 2,

Executed simultaneously with the survey of Copper Zone No. 1 lode, Survey No. 3086 and Copper Zone No. 3 lode, Survey No. 3088.

Beginning Cor. No. 1; identical with location which is a post 4 inches square 3 feet above ground, marked "SW cor. CZ2" in mound of stone, also identical with cor. No. 2 of Copper Zone No. 1 lode, Survey No. 3086, which is an andesite stone 13x16x34 inches set 20 inches in the ground, marked "2-CZ1-3086", X at exact corner point, to which I add "1-CZ2-3087" mound of stone alongside, from which U.S.M.M. No. 2718 bears S. 31° 22' 05" W, 1389.62 feet. No other brs. available.

Thence N. 23 30' W.

29.12 Intersect line 2-3 of Era No. 2 lode, Survey No. 2605, Cor. No. 3 brs. N. 74° 56' E., 113.28 feet.

159.77 Intersect line 1-4 Era No. 1 lode Survey No. 2605, Cor. No. 4 brs. N. 2° 04' E. 812.74 feet.

300.00 W.E.C. identical with location, a post 4 inches square 3 feet above ground, marked "WEC CZ2"

600.00 Cor. No. 2 identical with location, ^{and Cor. No. 1, Copper Zone No. 3 lode, Sur. No. 3088} a post 4 inches square 3 feet above ground marked "NW cor. CZ2" in mound of stone I replace post with sandstone 10x14x26 inches, set 14 inches in the ground, chiseled "2-CZ2-3087" X at exact corner point mound of stone alongside. No brs. available.

Thence N. 69° 08' E.

15.00 Road to Ray brs. NW and SE.

30.00 foot of bluff 50 feet high, steep ascent.

110.00 Top of bluff, thence ascending over smooth mesa.

921.00 18 inch supply pipe to Ray waterworks bears NW and SE.

206.29 Intersect line 1-4 Era No. 1 lode survey No. 2605, Cor. No. 4 bears N. 2° 04' E. 335.23 ft.

1010.00 Top of mountain bears NW and SE., descend.

1115.00 Foot of cliff bears NW and SE.

1147.00 Gulch brs. north.

FEET.

- 1436.15 Corner No. 3, identical with location, a post 4 inches square 3 feet above ground marked "NE cor. CZ2" in mound of stone. I replace post with sandstone 10x10x25 inches set 12 inches in the ground, chiseled "3-CZ2-3087" mound of stone along side. No brs. available. Identical with Cor. No. 4 Copper Zone No. 3 lode, Sur. No. 3088.
Thence S. 23°30'E.
- 75.00 Gulch bears SW.
- 300.00 E.E.C. identical with location, a post 4 inches square 3 feet above ground marked "ECE CZ2" in mound of stone.
and Cor. No. 3 Copper Zone No. 1 lode, Sur. No. 3086.
- 600.00 Cor. No. 4 identical with location, a post 4 inches square 3 feet above ground marked "SE cor. CZ2". Also identical with corner No. 3, Copper Zone lode Survey No. 3086, a sand stone 8x14x24 inches set 12 inches in the ground chiseled "3-CZ1-3086" X at exact corner point to which I add "4-CZ2-3087", mound of stone alongside. No brs. available.
Thence S. 69°08'W:
- 320.85 18 inch supply pipe to Ray water works bears NW and SE, descending.
- 955.15 Edge of mesa and abrupt descent.
- 1074.15 Foot of descent.
- 1325.55 Intersect line 3-4 Era No. 2 lode Survey No. 2605; Cor. No. 3 a post 4 inches square 3 feet above ground marked "3-E 2-2605" in mound of stone, bears N. 18°27'28"W. 17.65 feet.
- 1368.15 Road to Ray bears NW and SE.
- 1436.15 Corner No. 1, place of beginning.

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.

FEET.

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.& Meridian, unsurveyed, in the Mineral Creek Mining District, Pinal County, Arizona.

LODE. LINE.

The presumed course of vein extends from the point of discovery S. 69°08'W. 261 feet to the W.E.C. and N. 69°08'E. 1175.15 feet to the E.E.C.

IMPROVEMENTS.

No. 1, Discovery open cut 4x13x12 feet bears N. 88°35'E. Tunnel 4x6x15 feet bears N. 88°35'E. Common face bears N. 69°08'E. 261 feet from W.E.C. Value \$200.00

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, ^{Copper Zone No. 1} and Copper Zone No. 3, Survey No. 3088, valued at \$6540.00, ^{is credited to this claim.} Value \$2180.00

AREA.

Area Copper Zone "2,	19.761 acres
Conflict with Era No. 2, Survey No. 2605,	0.060 acres,
" " Era No. 1, " " "	1.041 "

O. C. Thompson
U. S. Mineral Surveyor

ADJOINING CLAIMS.

This claim is bounded on the north by the Copper Zone No. 3 lode, Survey No. 3088; on the east by the Copper Zone No. 4 lode, unsurveyed; on the south by the Copper Zone No. 1, Survey No. 3086, and Era No. 2 lode, Survey No. 2605; on the west by Era No. 2 lode and Era No. 1 lode, Survey No. 2605, and an unknown claim, unsurveyed and also on the north by the Era No. 1 lode, Survey No. 2605.

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
Ray Consolidated Copper Company
 known as the Copper Zone "2"
 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
Ray Consolidated Copper Company
 known as the Copper Zone "2"
 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 , 1913

G. T. 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 Oregon, 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 "2", situate in Mineral Creek Mining District, Perial County, Oregon, approximately in Section 112, Township No. 3 S., Range No. 13 E. 42 N. R. B. M. unincorporated, and designated as Survey No. 3087, 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. Turkey
this 25th
day of October 1913,

R. M. Turkey
Notary Public

My commission expires Feb 15 1916

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AMENDED NOTICE OF MINING LOCATION.
LODE CLAIM.

JUL 17. 1913

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the COPPER ZONE "2 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 purchase by The Ray Central Copper Mining Co. a corporation organized under the laws of Delaware, the undersigned, on the 5th day of April, 1906.

The length of this claim is 1500 feet, and we claim 641 feet in an easterly direction, and 859 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 premise is from the East to the West.

The claim is situated and located in the Mineral Creek Mining District, in Pinal County, in the Territory of Arizona, about one mile in a Easterly direction from Ray Mill and runs easterly from Mineral Creek being bounded on west by Era claim, on North by Copper Zone #3, on east by Copper Zone #4, on South by Copper Zone #1.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument at a point in a N.69° 18'E. direction 641 feet from the discovery shaft (at which this notice is posted), being in the center of the East end line of said claim; Thence N.23° 18' W.300 feet to a Monument, being the North East corner of said claim; thence S.69° 18' W. 1500 feet to a monument, being at the North west corner of said claim; thence S.23° 18'E.300 feet to a monument, at the center of the West end of said claim; thence S.23°18'E.300 feet to a monument, being at the South west corner of said claim; thence N.69°18'E.1500 feet to a monument at the South east corner of said claim; thence N.23°18'W.300 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 COPPER ZONE #2. Mining Claim, located by John A. Tillman & R. W. McIntyre, citizens of the United States, on the 5th day of April 1906, and recorded in Book 24 of Records of Mines, at page 279, in the office of the County Recorder of the aforesaid County of Pinal, to which ~~second~~ 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 27th day of July, 1909.

The Ray Central Copper Mining Co. successors in interest of said John A. Tillman and R. W. McIntyre.

By Ralph B. Williams, its Agent.

Filed and recorded at request of Kibbey, Bennett & Behnett, August 6th, 1909 at 1 P. M.

G. F. Watson, 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 #2 Amended Location as the same appears of record in Book No. 1 of Mines Amended, Page 231; 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 "2"

, 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. 3087 , 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 ^{or for} said mining claim by claimant or its grantors, and that said improvements consist of 1 cut and tunnel, value \$200, 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, this claim, and the Copper Zone No. 3 lode, Sur. No. 3088), 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 "2"

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. 3087

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 D. Ingalls

U. S. Surveyor-General for Arizona.

Corrected Field Notes

Bdys. Mineral Survey No. 3087,

Copper Zone No.2 lode.

Beginning at Cor. No.1, identical with Cor. No.2
Copper Zone No.1 lode, Sur. No. 3086, whence U.S.L.M.
No. 2718 brs. S. 31° 22' 05" W. 1389.62 ft.

Thence N. 23° 30' W.

600. To Cor. No.2, identical with Cor. No.1 Copper Zone No.
3 lode, Survey No. 3088.

Thence N. 69° 08' E.

1428.21 To Cor. No. 3, identical with Cor. No.4 Copper Zone
lode, Sur. No. 3088.

Thence S. 23° 30' E.

600. To Cor. No.4, identical with Cor. No.3 Copper Zone No.1
lode, Sur. No. 3086.

Thence S. 69° 08' W.

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

I, Oliver C. Thompson, being duly sworn, do depose
and say that the notes of Copper Zone No.2 lode, Survey
No. 3087, 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 measurement to horizontal
distance.



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.



Notary Public.

My commission expires

May 31st 1920