

4-683

MINERAL SURVEY No. 3906

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Berthold Gmehle and W. R. Tonkin

KNOWN AS THE

Little Chief lode

Warren Mining District,

Cochise County, Arizona

Section 36, Township 23 S., Range 24 E. G & S R B & M

Surveyed under instructions dated July 17th, 1923.

by Ralph L. Motz U. S. Mineral Surveyor.

Claim located see location notice attached

Survey commenced July 19th, 1923.

Survey completed July 20th, 1923.

Address of claimant Berthold Gmehle, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

Feet.

LITTLE CHIEF lode.

Beginning at Cor. No. 1, the N. E. Cor., identical with location and with Cor. No. 2 of Sur. No. 2172 Good Luck lode, an iron post 3 inches in diameter by 4 feet long set 18 inches in the ground in concrete, copper tag on side marked 1-3906 LC, whence the 1/4 Cor. between Secs. 25 and 36, T. 23 S., R. 24 E., G & S R B & M bears N. 57° 03' E. 653.9 feet.

thence S. 3° 14' E.

301.6 to original location for east end center, being a mound of stones 3 feet high with a 3 foot base,

305.2 to Cor. No. 2, the S. E. Cor., situated on line 1-2 of Sur. No. ~~1953~~<sup>1753</sup> Strumm lode at N. 78° 57' W. 1254.3 feet from Cor. No. 1 thereof and S. 78° 57' E. 244.4 feet from Cor. No. 2 thereof, an iron pipe 3 inches in diameter 4 feet long set 18 inches in the ground in concrete, copper tag on side marked 2-3906 LC, whence the original location for southeast corner, being a mound of stones 3 feet high with a 3 foot base bears S. 3° 14' E. 298.0 feet.

thence S. 75° 00' W.

423.9 intersect lines 1-2 and 2-3 of Sur. No. ~~1953~~<sup>1753</sup> Irene and Strumm lodes, respectively, at S. 47° 17' W. 230.8 feet from Cors. No. 1 and 2 of Sur. No. ~~1953~~<sup>1753</sup> Irene and Strumm lodes, respectively,

943.0 intersect line 3-4 of Sur. No. ~~1953~~<sup>1753</sup> Irene lode at S. 16° 34' W. 415.1 feet from Cor. No. 4 thereof. Cor. No. 1 Sur. No. ~~1953~~<sup>1753</sup> Irene lode bears S. 79° 03' E. 562.9 feet from Cor. No. 4 thereof.

959.6 to Cor. No. 3, identical with Cor. No. 3 Sur. No. 2113 Ruby Jewell lode, an iron pipe 3 inches in diameter 4 feet long set 18 inches in the ground in concrete, copper tag on side marked 3-3906 LC. No bearings available.

thence N. 84° 31' W.

558.7 along line 3-2 Sur. No. 2113 Ruby Jewell lode to Cor.



Feet.

No. 4, the S. W. Cor., situated on lines 2-3 Sur. No. 2172 Railroad lode and 2-3 Sur. No. 2113 Ruby Jewell lode, an iron pipe 3 inches in diameter 4 feet long set 18 inches in the ground in concrete, copper tag on side marked 4-3906 LC, whence Cor. No. 2 Sur. No. 2113 Ruby Jewell lode bears N. 84° 31' W. 49.7 feet, Cor. No. 3 Sur. No. 2172 Railroad lode bears S. 3° 14' E. 9.9 feet, and the original location for the southwest corner, being a mound of stones 3 feet high with a 3 foot base, bears S. 3° 14' E. 28.8 feet.

thence N. 3° 14' W.

272.8 along line 3-2 Sur. No. 2172 Railroad lode to original location, for west end center, being a mound of stones 3 feet high with a 3 foot base,

574.4 to Cor. No. 5, the N. W. Cor., identical with location and with Cors. No. 2 and 3 of Sur. No. 2172 Railroad and Good Luck lodes, respectively, an iron pipe 3 inches in diameter 4 feet long set 18 inches in the ground in concrete, copper tag on side marked 5-3906 LC. No bearings available.

thence S. 87° 11' E.

1500.0 along line 3-2 Sur. No. 2172 Good Luck lode to Cor. No. 1, the place of the beginning.

LEDGE.

Presumed course of the vein on this claim is from the east end center location N. 87° 11' W. 1500.0 feet.

AREA.

Total area - - - - - 17.214 A.

Area in conflict with

Sur.No. ~~1953~~<sup>1753</sup> Irene lode - - - - - 3.309 A.

Sur.No. ~~1953~~<sup>1753</sup> Strumm lode - - - - - 0.522 A.

LOCATION.

This survey is situated in Sec. 36, T. 23 S., R. 24 E., G & S R B & M. in the Warren Mining District, Cochise County, Arizona.



MINERAL SURVEY NO. 3906 (Cont'd.)

IMPROVEMENTS.

I hereby certify that value of the improvements placed upon this claim by the claimants or their grantors is not less than \$500.00 and that said improvements consist of:-

- No.1. Discovery shaft 4 x 6 x 20 feet deep brs from west end center on lode line 400. feet. Value \$125.00
  - No.2. Open cut 4 x 10 x 15 feet long bearing S. 25° E. , mouth of which bears from west end center location S. 79° 30' E. 542.0 feet. Value \$ 75.00
  - No.3. Shaft 4 x 6 x 10 feet deep bears from west end center N. 89° 50' W. 370.0 feet. Value \$ 50.00
  - No.4. Shaft 4 x 6 x 20 feet deep bears from west end center S. 85° 55' E. 370.0 feet. Value \$125.00
  - No.5. Shaft 4 x 6 x 10 feet deep bears from west end center on lode line 346.0 feet. Value \$ 50.00
  - No.6. Shaft 4 x 6 x 10 feet deep bears from west end center on lode line 322.0 feet. Value \$ 50.00
  - No.7. Shaft 4 x 6 x 10 feet deep bears from west end center S. 81° 10' E. 343.0 feet Value \$ 50.00
  - No.8. Shaft 5 x 7 x 25 feet deep timbered with shaft in bottom 4 x 6 x 20 feet deep, total depth 45.0 feet, bears from west end center S. 89° 15' E. 270.0 feet. Value \$675.00
  - No.9. Shaft 4 x 6 x 10 feet deep bears from Cor. No. 4 N. 25° 05' E. 226 feet. Value \$ 50.00
  - No.10. Open cut 5 x 10 x 22 feet long bearing N.60° W. with shaft at face 4 x 7 x 6 feet deep, mouth of open cut bears from west end center on lode line 125 feet. Value \$175.00
- Total value of improvements \$1425.00

ADJOINING CLAIMS.

- North. Sur. No. 2172 Good Luck lode
- East. Mount Diablo, <sup>lode</sup> unsurveyed owned by the Ivanhoe Copper Co.,
- South. Sur. No. <sup>1753</sup> ~~1953~~ Irene and Strumm lodes. Sur. No. 2113 Ruby Jewell lode.
- West. Sur. No. 2172 Railroad lode.

INSTRUMENT.

This survey was made with a Gurley Light Mountain transit. Courses <sup>were</sup> deflected from the true meridian as determined by a direct solar observation. Distances were measured with 100 and 300 foot steel tapes. Magnetic variation 12° 30' east at all corners.

REPORT.

1/4 Cor. between Secs. 25 and 36 T. 23 S., R. 24 E., G



& S R B & M is an iron pipe with brass cap marked 1/4 S. 36- S 25.

Sur. No. 2172 Good Luck lode. Cors. No. 2 and 3 were monuments of rocks posts missing, <sup>which have</sup> been replaced by iron pipes with copper tags properly marked.

Sur. No. 2172 Railroad lode. Cor. No. 2 is now an iron pipe set in concrete with copper tag properly marked. Cor. No. 3 is a monument of rocks post missing.

Sur. No. 2113 Ruby Jewell lode. Cor. No. 2 is a monument of rocks post missing. Cor. No. 3 was a monument of rocks post missing, <sup>which has</sup> been replaced with iron pipe set in concrete, copper tag on side properly marked.

Sur. No. <sup>1753</sup> ~~1955~~ Strumm lode. Cors. 1, 2 and 3 are monuments of rocks post missing. Irene, Cors. 1, 2, 3 and 4 are monuments of rocks post missing.

*Ralph L. Mott*

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

July 31, 1923.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Ralph L. Motz

United States 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

Berthold Gmehle and W. R. Tonkin

known as the Little Chief lode

and showing the respective capacities in which they acted.

- R.A. Ziesemer....., *Chainman.*
- ....., *Chainman.*
- ....., *Arman.*
- ....., *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, I, R.A. Ziesemer

~~and~~....., do solemnly swear that ~~we~~ <sup>I</sup> assisted

Ralph L. Motz....., United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of

Berthold Gmehle and W. R. Tonkin

known as the Little Chief lode

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of <sup>my</sup> ~~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.A. Ziesemer....., *Chainman.*
- ....., *Chainman.*
- ....., *Arman.*
- ....., *Flagman*

Subscribed and sworn to by the above-named persons before me this 31st

day of July....., 19 23.

Margaret Irving  
 Notary Public in and for the  
 County Cochise, State of Arizona.  
 My Commission Expires May 10, 1924



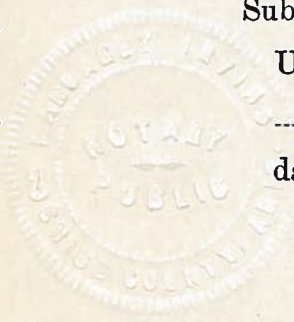


FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 17th, 1923, 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 Barthold Gmehle and W. R. Tonkin, known as the Little Chief lode, situate in Warren Mining District, Cochise County, Arizona, in Section 36, Township No. 23 S., Range No. 24 E. G. & S. R. B. & M, and designated as Survey No. 3906, 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 claimants or their 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.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me Margaret Irving, Notary Public
this 31st
day of July, 1923.



Margaret Irving
Notary Public in and for the County
of Cochise State of Arizona.

My Commission expires May 10, 1924



JUL 17 1923

Amended  
NOTICE OF MINING LOCATION.

Lode Claim

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the **LITTLE CHIEF** 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 BERTHOLD GMEHLE and Wm. BYWATER the undersigned, on the 23rd day of June, 1906.

The length of this claim is Fifteen hundred feet, and we claim four hundred feet in a westerly direction and eleven hundred feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the east to the west.

The claim is situated and located in the WARREN MINING DISTRICT, in Cochise County, in the Territory of Arizona, about four miles in a southeastern direction from the city of Bisbee and adjoins the Railroad Mining Claim of the Portage Lake and Bisbee Mining Company on the east.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stones at a point in a westerly direction 400 feet from the discovery shaft (at which this notice is posted), being in the center of the west end line of said claim; thence Northerly 300 feet to a monument of stones being the northwest corner of said claim; thence easterly 1500 feet to a monument of stones being at the North East corner of said claim; thence southerly 300 feet to a monument of stones at the center of

M. L. HUTCHINSON  
COUNTY RECORDER  
COCHISE COUNTY  
TOMBSTONE, ARIZONA



the east end of said claim; thence southerly 300 feet to a monument of stones being at the southwest corner of said claim; thence westerly 1500 feet to a monument of stones at the southwest corner of said claim, thence northerly 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

Dated and posted on the ground this 23rd day of June, 1906

This is an amended notice of the Little Chief Mining Claim.

BERTHOLD GMEHLE 2/3 Interest

WM. BYWATER 1/3 Interest

Dated - - - - 190- -.

Filed and Recorded at request of S. K. Williams, JUNE 25, 1906 at 9 A. M. In Book 36 Record of Mines at page 601.

By H. Hare, Deputy

FRANK HARE, County Recorder.

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H. J. HUTCHISON  
COUNTY RECORDER  
COCHISE COUNTY  
REGISTERED ATTORNEY

H. L. HUTCHISON,  
COUNTY RECORDER

OFFICE OF  
**THE COUNTY RECORDER**  
COCHISE COUNTY, ARIZONA

**Certificate**

STATE OF ARIZONA, {  
County of Cochise }ss

I, H. L. HUTCHISON, County Recorder in and for the County of Cochise, State of Arizona, do hereby certify that the annexed and foregoing is a full, true and correct copy of the Location Notice of the **LITTLE CHIEF** Mining Claim, located by **BERTHOLD GMEHLE** 2/3 Interest and **WM. BYWATER** 1/3 Interest dated the 23rd day of June, 1906, as appears of record now in this office in Book 36 Rec. of Mines at Page 601.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in Tombstone, this 10 day of July

A. D. 1923

**H. L. Hutchison**

COUNTY RECORDER

By

*R. E. Kolb.*

Deputy





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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

October 10, 1923.

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

Berthold Guehle and W.R. Tonkin

, known as the LITTLE CHIEF Lode

, situate in Warren

Mining District, Cochise County,

Arizona, in Section 36, Township No. 23 S,

Range No. 24 E., and designated as Survey

No. 3906, 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 their grantors, and that said improvements consist of 9 shafts and 2 cuts, total value \$1425.00

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 P. Trott

United States Surveyor General for Arizona.

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**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,.....

.....October 10....., 1923

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 .....

.....Berthold Gmehele and W.R.Tonkin.....

....., known as the

.....LITTLE CHIEF Lode.....

situate in .....Warren..... mining district,

.....Cochise..... County, .....Arizona.....

in Section .....36....., Township No. ....23 S....., Range No. ....24 E.....

....., designated as Survey No. ....3906.....

executed by .....Ralph L. Notz....., U. S. Mineral

Surveyor, .....July 19 - 20....., 1923, under my instructions dated

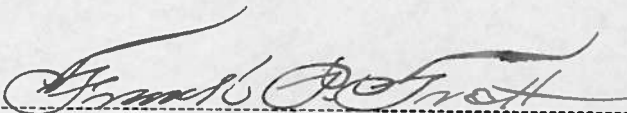
.....July 17....., 1923, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.



U. S. Surveyor General for .....Arizona.....