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4—683

MINERAL SURVEY No. 3906

Arizona *Land District.*

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Berthold Gmehle and Wm 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, *19* 23.

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

Claim located see location notice attached *19*

Survey commenced July 19th, *1923.*

Survey completed July 20th, *1923.*

Address of claimant Berthold Gmehle,
Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

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MINERAL SURVEY NO.3906.

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~~ 1753 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~~ 1753 Irene and Strumm lodes, respectively, at S. 47° 17' W. 230.8 feet from Cors. No. 1 and 2 of Sur. No. ~~1953~~ 1753 Irene and Strumm lodes, respectively,

943.0 intersect line 3-4 of Sur. No. ~~1953~~ 1753 Irene lode at S. 16° 34' W. 415.1 feet from Cor. No. 4 thereof. Cor. No. 1 Sur. No. ~~1953~~ 1753 Irene lode~~s~~ 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~~ 1753 Irene lode- - - - - -3.309 A.

Sur.No.~~1953~~ 1753 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 lo x 15 feet long bearing S. 25° E., mouth of which bears from west end center ~~location~~ S. 79° 30' E. 542.o feet. Value $ 75.00

No.3. Shaft 4 x 6 x lo feet deep bears from west end center N. 89° 50' ~~W.~~ E. 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 lo feet deep bears from west end center on lode line 346.o 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 lode, unsurveyed owned by the Ivanhoe Copper Co.,

South. Sur. No. ~~1953~~ 1753 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 were deflected from the true meridian as determined by a direct solar observation. Distances were measured with loo and 3oo 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, which have 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, which has been replaced with iron pipe set in concrete, copper tag on side properly marked.

Sur. No. ~~1957~~ 1753 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. Moss
U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.
July 31, 1923.

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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.*

, *Axman.*

, *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~We~~, I, R.A.Ziesemer ~~and~~, do solemnly swear that ~~we~~ I 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 ~~our~~ my 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.*

, *Axman.*

, *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

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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 Berthold 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

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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 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., 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 ~~s~~ 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 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., designated as Survey No. 3906 executed by Ralph L. Motz, 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.

Frank P. Trott

U. S. Surveyor General for Arizona.