

(4-683.)

Mineral Survey No. 3131

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Sullivan Copper Development Company

KNOWN AS THE

Michigan

California Mining District,

Cochise County, Arizona.

Sections, Approx. 27 & 28 Township 16 South, Range 30 E. G & S R B & M Unsurveyed.

Surveyed under instructions dated May 5th, 1914.

by Ralph I. Motz, U. S. Deputy Mineral Surveyor

Claim located see location notice, 1

Survey commenced May 7th, 1914.

Survey completed May 7th, 1914.

o 6-100

Postoffice address of claimant's attorney, Cleon T. Knapp, P. O. Box 829, Bisbee, Arizona.

MINERAL SURVEY NO 3131

MICHIGAN

Beginning at Cor No 1, the N W Cor, identical with location and with Cors Nos.1 and 1, of Michigan lode Sur No 2103 and Eclipse lode Sur No 2101, respectively, on south side line Boston lode, unsurveyed.

a pine post 4 ft. long 4 ins. sq set 18 ins. in the ground in a mound of stones and scribed 1-3131 ML,

whence a porphyry rock in place 15 x 24 x 14 ins high chiseled BR x 1-3131 brs N 19° E 35.3 ft, and a second porphyry rock in place 10 x 15 x 12 ins high with like chiseling brs N 21° 55' W 24.0 ft, and U. S. M. M. No 2099 California Mining District brs N 69° 35' W 869.8 ft.

thence S 9° 35' W

300.8 to original location for west end center, being a mound of stones 3 ft high with a 3 ft base,

601.6 same bearing to Cor No 2, the S W Cor, identical with location and with Cors Nos.2 and 2, Sur No 2101 Eclipse lode and Sur No 2103 Michigan lode, respectively,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3131 ML,

whence a limestone rock in place 24 x 36 x 3 ins high chiseled BR x 2-3131 brs S 16° 50' W 26.1 ft, and a second limestone rock 8 x 10 x 3 ins high with like chiseling brs S 63° 35' W 24.5 ft.

thence S 76° 13' E

1464.9 to Cor No 3, the S E Cor, identical with location and with Cor No 3, Sur No 2103 Michigan lode,

a pine post 4 ft. long 4 ins. sq set 18 ins. in the ground in a mound of stones and scribed 3-3131 ML,

whence a Juniper tree 18 ins in diameter blazed and scribed BT x 3-3131 brs N 2° 34' W 38.2ft, and an oak tree 8 ins in diameter blazed and scribed BT x 3-3131 brs N 48° 22' W 44.0 ft.

thence N 9° 35' E

300.8 to original location for east end center, being a mound of stones 3 ft. high with a 3 ft. base,

601.6 same bearing to Cor No 4, the N E Cor, identical with location and with Cor No 4, Sur No 2103 Michigan lode,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 4-3131 ML,

whence a limestone rock in place 6 x 8 x 10 ins high chiseled BR x 4-3131 brs N 16° 40' E 30.4 ft, and a second limestone rock in place 6 x 12 x 12 ins high with like chiseling brs S 2° 09' W 27.5 ft.

1464.9 To Cor. No. 1 the place of beginning ledge. Thence N 76° 13' W

The presumed course of the vein on this claim is from the west end center location S 76° 13' E 1464.9 ft.



AREA:

Total and net area - - - - - 20.177 A.  
 Conflict with Michigan lode, Sur.No.2103, 20.177

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements placed upon this claim by the claimant or its grantors is not less than five hundred dollars, and that said improvements are as follows:-

No.1.	Dis. Cut and tunnel. Open cut 5 x 12 x 20 ft long with tunnel at face 5 x 7 x 77 feet long brg S 60° E, the mouth of open cut brs from the west end center S 76° 13' E 100.0 ft.	Value	\$345.00
No.2.	Open cut 6 x 10 x 15 ft long brg N 67° W, the mouth of which brs. from Cor No. 2, W 42° 14' E 270.0 ft.	Value	\$ 45.00
No.3.	Shaft 4 x 12 x 10 ft. deep brs. from Cor No 2, N 44° 30' E 372.0 ft.	Value	\$ 75.00
No.4.	Shaft 4 x 6 x 15 ft deep brs from Cor No 2, N 62° E 331.0 ft.	Value	\$ 75.00
	Total improvements		\$540.00

Adjoining Claims.

- North. Boston lode, unsurveyed, owned by George H. Crosby.
- South. Claims and claimants unknown.
- East. Claims and claimants unknown.
- West. Sur No 2101, Eclipse lode.

Location.

This claim is located about 7 miles in a northwesterly direction from the town of Paradise on unsurveyed lands in the California Mining District, Cochise County, Arizona, approximately in <sup>secs. 27 & 28</sup> Tp 16 S, R 30 E, G & S R B & M, unsurveyed, within the Chiricahua National Forest.

Instrument.

This survey was made with a C. L. Berger & Sons No 6 Light Mountain Transit. The courses were deflected from the true meridian as determined by a Solar observation. The distances were measured with 300 foot steel tape. Magnetic variation 12° 30' East at all corners.

Report.

Sur No 2103, Michigan lode.

Cors Nos.1, 2, 3 and 4 are pine post properly set and scribed.

Bearing and distance of Line 1-2 I find to be S 9° 35' W 601.6 ft instead of S 9° 25' W 601.6 ft.  
 Bearing and distance of line 2-3 I find to be S 76° 13' E 1464.9 ft instead of S 76° 19' E 1453.5 ft.  
 Bearing and distance of line 3-4 I find to be N 9° 35' E 601.6 ft instead of N 9° 25' E 601.6 ft.  
 Bearing and distance of line 4-1 I find to be N 76° 13' W 1464.9 ft instead of N 76° 19' W 1453.5 ft.  
 Tie line I find to be N 69° 35' W 869.8 ft instead of N 69° 59' W 867.5 ft.

Sur No 2101 Eclipse lode,  
Cors No.1 and 2 are posts properly set and scribed.  
I find line 1-2 to be S 9° 35' W 601.6 ft instead of  
S 9° 25' W 601.6 ft.

U. S. M. M. No 2099 is a mound of stones with a 6 ft base  
4 ft high with a post in center partly destroyed, but with  
a part of the scribing remaining. Also identified a bearing  
tree, a bearing stump and a bearing rock of this monument.

*Ralph L. Mott*  
U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.  
May 25th, 1914.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

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

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

Sullivan Copper Development Company

known as the Michigan

and showing the respective capacities in which they acted.

G. T. Colvin, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

~~We~~, I, G. T. Colvin

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

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

Sullivan Copper Development Company

known as the Michigan

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

G. T. Colvin, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me this 22

day of May, 1914

J. Hancock  
Notary Public

My Commission expires March 22 1916



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

I, Ralph L. Motz, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 5th, 1914, 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 Sullivan Copper Development Company, known as the Michigan, situate in California Mining District, Cochise County, Arizona, in Sections approx 27 & 28, Township No. 16 S, Range No. 30 E? G & S P B & M Unsurveyed, and designated as Survey No. 3131, 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.

Ralph L. Motz  
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz,  
 U. S. ~~Deputy~~ Mineral Surveyor, before me Arch L. Le Rue, Notary  
Public this 26th  
 day of May, 1914.

Arch L. Le Rue  
 Notary Public, in and  
 for the County of Cochise, Arizona.  
 My Commission expires October 11, 1917

NOTICE OF MINING LOCATION  
LODE CLAIM

MAY 4- 1914

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Michigan 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 purpose of exploration and purchase by John Sullivan, -the undersigned on the 1st day of January, 1904.

The length of this claim is 1500 fifteen hundred feet and I claim one hundred feet, in a Westerly direction, and fourteen hundred feet in a 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 Westerly to the Easterly direction.

The claim is situated and located in the Chiricahua Mining District in Cochise County, in the Territory of Arizona, about 800 yards in a Southerly direction from White Tail on the Eastern Slope of the Chiricahua mountains and about three miles in a Westerly direction from the hipers and is a relocation of the Arizona mine and is the eastern extension of the Eclipse mine.

The surface boundaries of the claim are marked upon the ground as follows; Beginning at -----at a point in a southerly direction and about seventy feet from the discovery shaft (at which this notice is posted), being in the center of the Westerly end line of said claim; thence southerly 300 feet to a monument of Stones, being the Southwest corner of said claim thence Easterly 1500 feet to a monument of stones, being at the South East corner of said claim; thence northerly 300 feet to a Monument of stones at the center of the Easterly end of said claim; thence northerly 300 feet to a monument of stones, being at the North East corner of said claim; thence Westerly 1500 feet to a monument of stones at the north west corner of said claim; thence Southerly 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 an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona" approved March 16th, 1901.

Dated and posted on the ground this 1st day of January 1904.

Locator

John Sullivan

Filed and recorded at request of John Sullivan Mch. 9th, A.D.1904, at 1; P.M. in Book 30 page 224, Records of Mines.





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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,

August 22, 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

SULLIVAN COPPER DEVELOPMENT COMPANY

, known as the MICHIGAN

, situate in CALIFORNIA

Mining District, COCHISE County,

ARIZONA, Approx., in Sections 27 & 28, Township No. 16 S,

Range No. 30 E., Unsur., and designated as Survey No. 3131

, 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 2 cuts, 1 tunnel and 2 shafts, total value \$540.00

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 S. Ingalls,

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,

August 22, 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

SULLIVAN COPPER DEVELOPMENT COMPANY

, known as the

MICHIGAN

situate in CALIFORNIA Mining District,

COCHISE County, ARIZONA, Approx.

in Section s 27 & 28, Township No. 16 S., Range No. 30 E., Unsur.

, designated as Survey No. 3131

executed by Ralph L. Motz, U. S. Deputy Mineral

Surveyor, May 7, 1914, 190, under my instructions dated

May 5, 1914, 190, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank S. Ingalls

U. S. Surveyor-General for Arizona.