

JUN 5- 1914

4-683.

MINERAL SURVEY No. 3125

LOT No.

Arizona Land District.

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Sullivan Copper Development Company

KNOWN AS THE

New Year, Duluth, Minnesota, California, Sullivan

California Mining District,

Cochise County, Arizona

Sections approx 21 & 28, Township 16 South, Range 30 E. G & S. R B  
& M, unsurveyed.

Surveyed under instructions dated May 5th, 1914.

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

Claim located see location notices, 19

Survey commenced May 17, 1914.

Survey completed May 19, 1914.

6-822

Postoffice address of claimant's attorney,

Cleon T. Knapp,  
P. O. Box 829,  
Bisbee, Arizona.

NEW YEAR

Beginning at Cor No 1, the N E Cor, identical with location and situated on line 3-4 Duluth lode of this survey at N 87° 52' E 536.0 ft from Cor No 3,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 1-3125 NYL,

whence a limestone rock in place 12 x 12 x 3 ins high chiseled B R x 1-3125 brs S 69° 15' E 16.1 ft, and a second limestone rock in place 8 x 10 x 3 ins high with like chiseling brs N 10° 10' E 19.1 ft, and U. S. M. M. No 2099 California Mining District Brs S 35° 54' E 1729.1 ft.

thence S 30° 10' W

- 704.4 intersect line 1-2 Duluth lode of this survey at N 87° 52' E 234.1 ft from Cor No 2, line 2-3 said Duluth lode is N. 5° E. 666ft. Also intersect north side line Portland lode, unsurveyed, at N 87° 52' E 234.1 ft. from N.W. Cor.
- 1352.3 same bearing to Cor No 2, the S E Cor, identical with location and situated at the intersection of the west end line of Portland lode unsurveyed and line 4-1 Sur No 2100 Colorado lode, northwest corner Portland lode unsurveyed brs from this point N 9° 25' E 559.1 ft and Cor No 4 Sur No 2100 Colorado lode brs N 46° 05' W 170.3 ft,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3125 NYL,

whence a porphyry rock in place 10 x 12 x 4 ins high chiseled BR x 2-3125 brs S 52° 30' W 24.9 ft, and a second porphyry rock in place 8 x 8 x 3 ins high with like chiseling brs S 31° E 20.7 ft.

thence N 46° 05' W

- 170.3 to Cor No 4 Sur No 2100 Colorado lode, and also intersect line 4-1 Sur No 2099 Arizona lode-at S 7° 19' W 895.0 ft from Cor No 4,

- 235.5 same bearing to original location for south end center, being a mound of stones 3 ft high with a 3 ft base,

- 255.5 same bearing to Cor No 3, the S W Cor,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3125 NYL,

whence an oak tree 12 ins in diameter blazed and scribed BT 3-3125 brs N 89° E 12.1 ft., and a second oak tree 18 ins in diameter with like scribing brs S 68° E 30.9 ft, and original location for S W Cor brs N 46° 05' W 165.0 ft. a cedar post 4 ft long 4 ins sq. set 18 ins. in the ground in a mound of stones and marked SW NY.

thence N 11° 57' E

- 847.0 to Cor No 4, identical with Cor No 4 Sur No 2099 Arizona lode,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 4-3125 NYL,

whence a limestone rock in place 10 x 12 x 3 ins high chiseled BR x 4-3125 brs N 33° 05' E 16.8 ft, and a second limestone rock in place 15 x 24 x 6 ins high with like chiseling brs N 89° E 28.0 ft.

thence N 22° 09' E

- 640.6 to Cor No 5, the N W Cor, identical with location,



a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 5-3125 NYL,

whence a limestone rock in place 40 x 48 x 24 ins high chiseled BR x 5-3125 brs N 9° W 53.2 ft, and a second limestone rock in place 12 x 12 x 3 in high with like chiseling brs S 18° 50' W 17.1 ft.

thence S 46° 05' E

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

620.0 same bearing to Cor No 1 the place of the beginning.

Ledge.

The presumed course of the vein on this claim is from the south end center N 27° 09' E 1371.6 ft.

#### DULUTH

Beginning at Cor No 1, the S E Cor, identical with location and with Cor No 1 Minnesota lode of this survey,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 1-3125 DL,

whence a granite rock in place 36 x 36 x 30 ins high chiseled BR x 1-3125 brs S 25° 55' E 33.7 ft, and a second granite rock in place 14 x 24 x 12 ins high with like chiseling brs S 76° 10' W 25.9 ft, and U. S. M. M. No 2099 California Mining District brs S 17° 46' E 874.4 ft.

thence S 87° 52' W

1101.9 intersect line 1-2 New Year lode of this survey at S 30° 10' W 704.4 ft from Cor No 1,

1336.0 same bearing to Cor No 2, the S W Cor, identical with location and with the northwest corner of Portland lode unsurveyed,

a pine post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3125 DL,

whence an oak tree 18 ins in diameter blazed and scribed BT x 2-3125 brs S 57° E 5.9 ft, and a second oak tree 9 ins in diameter with same scribing brs N 80° 10' W 17.9 ft.

thence N 5° E

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

600.0 same bearing to Cor No 3, the N W Cor, identical with location,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3125 DL,

whence a limestone rock in place 18 x 12 x 4 ins high chiseled BR x 3-3125 DL brs N 28° E 18.1 ft, and a second limestone rock in place 8 x 8 x 4 ins high with like chiseling brs N 52° 10' W 37.0 ft.

DULUTH LODGE (Cont'd)

thence N 87° 52' E

- 536.0 to Cor No 1, New Year lode of this survey,  
 1336.0 same bearing to Cor No 4, the N E Cor, identical with  
 location <sup>and S. E. Cor. Wisconsin lode, unsurveyed,</sup> and situated on line 1-2 Minesota lode of this  
 survey at N 5° E 600.0 ft from Cor No 1,  
 a pine post 4 ft long 4 ins sq set 18 ins in the ground  
 in a mound of stones and scribed 4-3125 DL,  
 whence a porphyry rock in place 8"x 12"x 3" high chiseled  
 BR x 4-3125 brs S 74° 55' W 25.4 ft, and a limestone rock  
 12 x 12 x 6 ins high with like chiseling brs N 16° 32' E  
 36.7 ft.

thence S 5° W

- 300.0 to original location for east end center, being a mound  
 of stones 3 ft high with a 3 ft base,  
 600.0 same bearing to Cor No 1, the place of the beginning.

Ledge.

The presumed course of the vein on this claim is from the  
 east end center S 87° 52' W 1336.0 ft.

MINNESOTA

Beginning at Cor No 1, the S W Cor, identical with  
 location and with Cor No 1 Duluth lode of this survey,  
 heretofore described to which I add 1-3125 ML for this  
 claim. U. S. M. M. No 2099 California Mining District  
 brs S 17° 46' E 874.4 ft.

thence N 5° E

- 300.0 to east end center Duluth lode of this survey,  
 600.0 same bearing to Cor No 4, Duluth lode of this survey,  
 1200.0 same bearing to northeast corner Wisconsin lode unsurveyed,  
 1500.0 same bearing to Cor No 2, the N W Cor, identical with  
 location,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground  
 in a mound of stones and scribed 2-3125 ML,

whence a porphyry rock in place 12 x 15 x 5 ins high chisel-  
 ed BR x 2-3125 brs N 28° 15' W 16.5 ft, and a second porphyry  
 rock in place 30 x 36 x 20 ins high with like chiseling brs  
 S 52° 30' E 15.2 ft.

thence N 87° 52' E

- 300.0 to original location for north end center, being a mound  
 of stones 3 ft high with a 3 ft base,  
 600.0 same bearing to Cor No 5, the N E Cor, identical with  
 location and with Cor No 2 California lode of this survey,  
 a juniper post 4 ft long 4 ins sq set 18 ins in the ground  
 in a mound of stones and scribed 3-3125 ML,  
 whence a porphyry rock in place 10 x 18 x 4 ins high chiseled  
 BR x 3-3125 brs S 12° 10' W 18.2 ft and a second porphyry



rock in place 15 x 15 x 6 ins high with like chiseling brs  
N 42° W 14.0 ft.

thence S 5° W

1500.0 to Cor No 4, the S E Cor, identical with location and with  
Cor No 1 California lode of this survey and situated on  
line 2-3 Sullivan lode of this survey at N 87° 52' E .  
436.0 ft from Cor No 2,

a juniper post 4 ft long 4 ins sq set 18 ins the ground  
in a mound of stones and scribed 4-3125 ML,

whence a porphyry rock in place 40 x 48 x 50 ins high  
chiseled BR x 4-3125 brs N 81° 46' E 33.9 ft, and a granite  
rock in place 12 x 14 x 12 ins high with like chiseling  
brs N 23° 45' E 27.4 ft.

thence S 87° 52' W

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

436.0 same bearing to Cor No 2, Sullivan lode of this survey,  
and N. E. Cor. Portland lode, unsurveyed.

600.0 same bearing to Cor No 1 the place of the beginning.

Ledge.

The presumed course of the vein on this claim is from the  
south end center N 5° E 1500.0 ft.

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CALIFORNIA

Beginning at Cor No 1, the S W Cor, identical with  
location and with Cor No 4 Minnesota lode of this survey,  
heretofore described and to which I add 1-3125 CL for  
this claim. U. S. M. M. No 2099 California Mining Dis-  
trict brs S 21° 16' W 917.5 ft.

thence N 5° E

1500.0 to Cor No 2, the N W Cor, identical with location and with  
Cor No 3, Minnesota lode of this survey, heretofore described  
to which I add 2-3125 CL for this claim,

thence N 87° 52' E

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

600.0 same bearing to Cor No 3, the N E Cor, identical with  
location,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground  
in a mound of stones and scribed 3-3125 CL,

whence a porphyry rock in place 15 x 20 x 8 ins high  
chiseled BR x 3125-3 brs N 38° 20' E 19.5 ft, and a second  
porphyry rock in place 18 x 24 x 10 ins high with like  
chiseling brs S 83° 30' E 18.1 ft.

thence S 5° W

1500.0 to Cor No 4, the S E Cor, identical with location and  
situated on line 2-3 Sullivan lode of this survey at S  
87° 52' W 464.0 ft from Cor No 3,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground  
in a mound of stones and scribed 4-3125 CL,

## MINERAL SURVEY NO 3125 (Cont'd)

CALIFORNIA LODE (Cont'd)

whence a porphyry rock in place 20 x 24 x 8 ins high chiseled BR x 4-3125 brs S 21° 45' W 27.1 ft, and a second porphyry rock in place 12 x 14 x 5 ins high with like chiseling brs N 4° 10' W 22.5ft.

thence S 87° 52' W

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

600.0 same bearing to Cor No 1, the place of the beginning.

Ledge.

The presumed course of the vein on this claim is from the south end center N 5° E 1500.0 ft.-

SULLIVAN

Beginning at Cor No 1, the S W Cor, identical with location and with the Southeast corner of Portland lode unsurveyed, and situated on the north side line of Baltimore lode unsurveyed,

a juniper post 4 ft long 4 ins sq set 18 ins the ground in a mound of stones and scribed 1-3125 SL,

whence a porphyry rock in place 14 x 30 x 5 ins high chiseled BR x 1-3125 brs S 70° 20' E 62.0 ft, a second porphyry rock in place 30 x 36 x 18 ins high with like chiseling brs N 84° 55' E 74.3 ft, and U. S. M. M. No 2099 California Mining District brs S 39° 09' E 318.4 ft.

thence N 9° 25' E

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

600.0 same bearing to Cor No. 2, the N W Cor, identical with location and situated on line 4-1 Minnesota lode of this survey at N 87° 52' E 164.0 ft from Cor No 1,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 2-3125 SL,

whence a porphyry rock in place 18 x 24 x 10 ins high chiseled BR x 2-3125 brs S 31° 30' E 14.5 ft, and a second porphyry rock in place 24 x 24 x 15 ins high with like chiseling brs S 67° 12' W 16.5 ft,

thence N 87° 52' E

136.0 to south end center Minnesota lode of this survey,

436.0 same bearing to Cors No 4 and 1, Minnesota and California lodes of this survey, respectively,

736.0 same bearing to south end center California lode of this survey,

1036.0 same bearing to Cor No 4, California lode of this survey,

1500.0 same bearing to Cor No 3, the N E Cor, identical with location,

a juniper post 4 ft long 4 ins sq set 18 ins in the ground in a mound of stones and scribed 3-3125 SL,



whence a porphyry rock in place 18 x 24 x 24 ins high chiseled BR x 3-3125 brs S 52° 15' W 29.5 ft, and a second porphyry rock in place 18 x 24 x 6 ins high with like chiseling brs N 64° 12' E 20.5 ft,

thence S 9° 25' W

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

600.0 same bearing to Cor No 4, the S E Cor, identical with location and situated on the north line of Boston lode unsurveyed,

a juniper post 4 ft. long 4 ins. sq set 18 ins. in the ground in a mound of stones and scribed 4-3125 SL;

whence a porphyry rock in place 14 x 30 x 5 ins high chiseled BR x 4-3125 brs S 70° 20' E 62.0 ft, and a second porphyry rock in place 30 x 36 x 18 ins high with like chiseling brs N 84° 55' E 74.3 ft.

thence S 87° 52' W

798.0 to northwest corner and northeast corner of Boston and Baltimore lodes unsurveyed, respectively,

1500.0 same bearing to Cor No 1, the place of the beginning.

Ledge.

The presumed course of the vein on this claim is from the west end center N 87° 52' E 1500.0 ft.

AREAS.

Total area New Year Lode - - - - -	-14.303 A.
Conflict vs Sur No 2099	
Arizona lode - - - - -	-0.703 A.
Conflict vs Portland lode	
unsurveyed - - - - -	-1.472 A.
Conflict vs Duluth lode,	
of this survey - - - - -	-5.263 A.
Total area Duluth lode - - - - -	-18.260 A.
Total area Minesota lode - - - - -	-20.501 A.
Total area California lode - - - - -	-20.501 A.
Total area Sullivan lode - - - - -	-20.243 A.

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on each claim of this survey, placed thereon by the claimant or its grantors is not less than five hundred dollars for each location thereof, and that said improvements consist of:-

New Year Lode.

No.1. Discovery open cut and tunnel. Cut 5 x 10 x 15 ft long with tunnel at face 5 x 7 x 48 ft long brg S 15° E, the mouth of open cut brs from the south end center N 27° 09' E 470 ft.  
Value \$525.00

Duluth Lode.

No.1. Discovery cut 4½ x 8½ x 13 ft long brg S 25° W, brs from east end center S 87° 52' W 15 ft.  
Value \$ 25.00

No.2. Open cut 5 x 8 x 14 ft long with tunnel at face 5 x 7 x 60 ft long brg S 85° E, the  
( 6.)

MINERAL SURVEY NO 3125 (Cont'd)

	mouth of open cut brs from Cor No 2 N 35° 17' E 534.1 ft.	Value	\$625.00
No.3.	Open cut 5 x 10 x 16.5 ft long with tunnel in face 4 x 7 x 6 ft long brg S 80° E, the mouth of open cut brs from Cor No 2 N 47° 31' E 311.4 ft.	Value	\$100.00
No.4.	Open cut 4 x 8 x 20 ft long brg S 75° E, the mouth of open cut brs from Cor No 2 N 56° 03' E 371.2 ft.	Value	\$ 50.00
No.5.	Open cut 5 x 10 x 12 ft long brg S 60° E, the mouth of open cut brs from Cor No 2 N 59° 20' E 281.8 ft.	Value	\$ 35.00
No.6.	Shaft 4 x 6 x 8 ft deep brs from Cor No 2, N 66° 01' E 375.9 ft.	Value	\$ 50.00
No.7.	Shaft 4 x 6 x 8 ft deep brs from Cor No 2, N 77° 16' E 370.0 ft.	Value	\$ 50.00
No.8.	Open cut 5 x 10 x 22 ft long with tunnel at face 5 x 7 x 13 ft long brg N 72° W, the mouth of open cut brs from Cor No 2 N 80° 21' E 407.5 ft.	Value	\$125.00
Total improvements			\$1060.00

Minnesota lode.

No.1.	Discovery cut 5 x 10 x 32 ft long brg S 25° W with tunnel at face 5 x 7 x 63 ft long brg S 45° W, the mouth of open cut brs from south end center N 5° E 345.0 ft.	Value	\$ 730.00
No.2.	Shaft 5 x 7 x 15 ft deep brs from Cor No 1 N 37° 08' E 592.5 ft.	Value	\$ 150.00
Total Improvements			\$ 880.00

California Lode.

No.1.	Discovery cut 4 x 10 x 22 ft long brg S 12° W with tunnel at face 5 x 6 x 53 ft long brg S 12° W, the mouth of open cut brs from south end center N 5° E 80 ft.	Value	\$ 575.00
No.2.	Shaft 4 x 6 x 25 ft deep brs from Cor No 1 N 55° E 492.0 ft.	Value	\$ 250.00
No.3.	Shaft 5 x 7 x 80 ft deep brs from Cor No 1 N 44° 03' E 188.4 ft.	Value	\$ 800.00
No.4.	Open cut 5 x 8 x 28 ft long with tunnel at face 5 x 7 x 64 ft long brg S 13° W, the mouth of open cut brs from Cor No 4, N 12° 35' W 490.0 ft.	Value	\$ 345.00
No.5.	Shaft 4 x 6 x 10 ft deep brs from Cor No 4 N 9° W 550.0 ft.	Value	\$ 25.00
Total improvements			\$1995.00

Sullivan Lode.

No.1.	Open cut 4½ x 8 x 12 ft long brg S 87° W, mouth brs from west end center N 87° 52' E 30.0 ft.	Value	\$ 25.00
No.2.	Open cut 5 x 10 x 13 ft long with tunnel at face 5 x 7 x 53.5 ft long brg S 30° W, the ( 7. )		



mouth of open cut hrs from Cor No 2 S 57°  
45' E 298.1 ft.

Value. \$560.00

Total improvements \$ 585.00

Total Improvements on group \$5045.00

ADJOINING CLAIMS.

North. Wisconsin lode, unsurveyed owned by George H. Crosby.

East. Claims and claimants unknown.

South. Boston, Baltimore and Portland lodes unsurveyed, owned by George H. Crosby. Survey No 2100 Colorado lode.

West. Survey No 2099 Arizona lode.

LOCATION.

This group of claims is located about 7 miles in a north-westerly direction from the town of Paradise on unsurveyed lands in the California Mining District, Cochise County, Arizona, approximately in Tp 16 S, R 30 E, G & S R B & M, unsurveyed, within the Chiricahua Natl. Forest. <sup>secs 21 & 28</sup>

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 from a Solar observation. The distances were measured with a 300 foot steel tape. Magnetic variation 12° 30' East at all corners.

REPORT.

Sur No 2099 Arizona lode.

Cor No 4 is a juniper post 6 ins in diameter scribed 4/2099 A.L.

Cor No 1 is a juniper post 6 ins in diameter scribed 1/2099 A.L.

I find line 4-1 to be S 7° 19' W 1338.1 ft. instead of S 7° 09' W 1393.6

Sur No 2100 Colorado lode.

Cor No 4 is an oak post 4 x 4 ins scribed 4/2100 CL.

Cor No 1 is an oak post 4 x 4 ins scribed 1/2100 CL.

I find line 4-1 to be S 46° 05' E 1262.9ft instead of S 46° 05' E 1275.0 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 a part of the scribing remaining. Also identified a bearing tree, a bearing stump and a bearing rock of this monument.

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

Dated at Bisbee, Arizona.  
May 27th, 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 New Year, Duluth, Minnesota, California, and Sullivan  
 and showing the respective capacities in which they acted.

G. T. Colvin ..... , *Chainman.*  
 ..... , *Chainman.*  
 ..... , *Arman.*  
 ..... , *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~WE~~ <sup>I</sup> 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 New Year, Duluth, Minnesota, California, Sullivan  
 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.*  
 ..... , *Arman.*  
 ..... , *Flagman.*

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

day of May 1914

W. Hancock  
 Notary Public

*My Commission expires March 22 1916*



(4-686.)

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 New Year, Duluth, Minncota, California, Sullivan, situate in California Mining District, Cochise County, Arizona, in Sections 21 & 28 approx, Township No. 16 S, Range No. 30 E, G & S R B & M, un- surveyed, and designated as Survey No. 3125, 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 27th  
day of May 1914.

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



AMENDED  
Notice of Mining Location  
LODE CLAIM

MAR 4-1914

To all Whom it may Concern:

This Mining Claim, the name of which is the New Year  
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 Sullivan Copper Development Company, a corporation, organized and existing under the laws of the State of Minnesota,

Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States."

the undersigned, on the 21<sup>st</sup> day of April, 19 14

The length of this claim is 1500 feet,  
and it claim is 470 feet,  
in a southwesterly direction and 1030  
feet in a northeasterly direction from  
the center of the discovery cut 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 premises is from the southwest to the northeast

The claim is situated and located in the California Mining District, in  
Cochise County, in the State of Arizona, about 1700 feet  
in a northwesterly direction from U.S.M.M. No. 2099. It is  
bounded on the north by Wisconsin claim; on the east by Duluth  
and Portland claims; on south by Colorado claim; on west by  
Arizona claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stones,

at a point in a southwesterly direction 470 feet from  
the discovery cut shaft (at which this notice is posted,) being in the center of the south  
end line of said claim; thence northwesterly 200 feet to a monument of  
stones & post, being the S.W. corner of said claim; thence  
northerly 1500 feet to a pine post & monument, being at the  
N.W. corner of said claim; thence S.E. 310 feet  
to a post & monument of stones, at the center of the north end of said claim;  
thence southeasterly 310 feet to a pine post & monument, being at the  
N.E. corner of said claim; thence southwesterly 1500  
feet to a pine post & monument at the S.E. corner of said claim;  
thence northwesterly 250 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 New Year  
Mining Claim, located by J.G. Sweeney,

on the 1st day of  
January, 19 08, and recorded in Book 41 of Records of Mines, at  
page 443, in the office of the County Recorder of the aforesaid County of Cochise,  
to which 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 21<sup>st</sup> day of April 19 14

Witness: A.J. Balmforth,

Sullivan Copper Development Company  
By: Clayton T. Knapp  
Attorney in Fact.



STATE OF ARIZONA,

County of COCHISE } ss.

I, Queen S. Murphy, County Recorder in and for the County and

State aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P.

on this APR 24 1914 day of APR 24 1914, 1914, and duly recorded in Book No. 52

of MINING Records of COCHISE County, Arizona, at pages 594

Witness my hand and official seal the day and year first above written.

Queen S. Murphy  
County Recorder.

150  
COMPARED  
2233  
INDEXED

AMENDED  
Notice of Location  
LODE CLAIM

New Year

Dated \_\_\_\_\_, 19\_\_\_\_

Filed and Recorded at request of

C. J. Strappo

APR 24 1914 A. D. 19\_\_\_\_

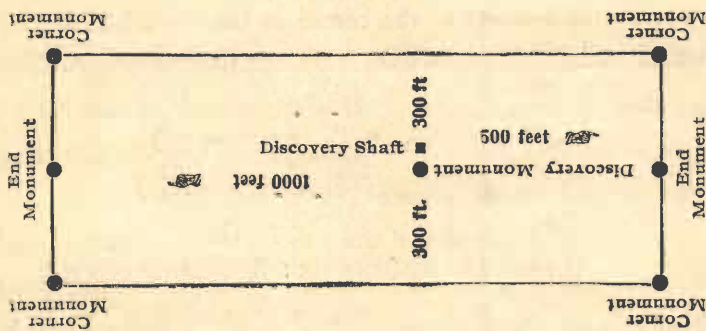
at \_\_\_\_\_ M.,

Record of Mines

Book 52

Pages 594

Queen S. Murphy  
County Recorder.  
Geo. W. Hall  
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.



6K

14

AMENDED  
**Notice of Mining Location**  
 LODGE CLAIM

To all Whom it may Concern:

This Mining Claim, the name of which is the Duluth  
 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 Sullivan Copper Development Company, a corporation organized and existing under the laws of the state of Minnesota.

Locator must insert either "a citizen of the United States," or, "who has declared his intencion to become a citizen of the United States."

the undersigned, on the 20<sup>th</sup> day of April, 19 14  
 The length of this claim is 1500 feet,  
 and it claims 15 feet,  
 in a easterly direction and 1485  
 feet in a westerly direction from  
 the center of the discovery cut 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 premises is from the east to the west.

The claim is situated and located in the California Mining District, in Cochise County, in the State of Arizona, about 1000 feet in a northwesterly direction from U.S.M.M.No.2099. It is bounded on north by the Wisconsin claim, on east by Minnesota claim, on south by the Portland claim, and on west by New Year claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stone

at a point in a easterly direction 15 feet from the discovery cut shaft (at which this notice is posted,) being in the center of the east end line of said claim; thence southerly 300 feet to a pine post and monument, being the S.E. corner of said claim; thence westerly 1500 feet to a pine post & monument, being at the S.W. corner of said claim; thence northerly 300 feet to a post & monument of stones, at the center of the west end of said claim; thence northerly 300 feet to a pine post & monument, being at the N.W. corner of said claim; thence easterly 1500 feet to a pine post & monument at the N.E. 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 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 Duluth,  
 Mining Claim, located by Sullivan Copper Development Company,  
 on the 8th day of October, 1914, and recorded in Book 40 of Records of Mines, at page 408, in the office of the County Recorder of the aforesaid County of Cochise to which 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 20<sup>th</sup> day of April 1914

Witness: A. J. Balmforth

Sullivan Copper Development Company  
 By: Charles T. Krapp  
 Attorney in fact



STATE OF ARIZONA,

County of COCHISE } ss.

I, Queen E. Murphy, County Recorder in and for the County and

State aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P,

on this APR 24 1914 day of APR 24 1914, 1914, and duly recorded in Book No. 52

of MINING Records of COCHISE County, Arizona, at pages 596

Witness my hand and official seal the day and year first above written.

Queen E. Murphy  
County Recorder.  
Geo M. Hales Dep

SEARCHED  
INDEXED  
COMPARED  
2235

AMENDED  
**Notice of Location**  
**LODE CLAIM**

Duluth

Dated APR 24 1914, 1914

Filed and Recorded at request of  
C. J. Snapp

APR 24 1914 A. D. 1914

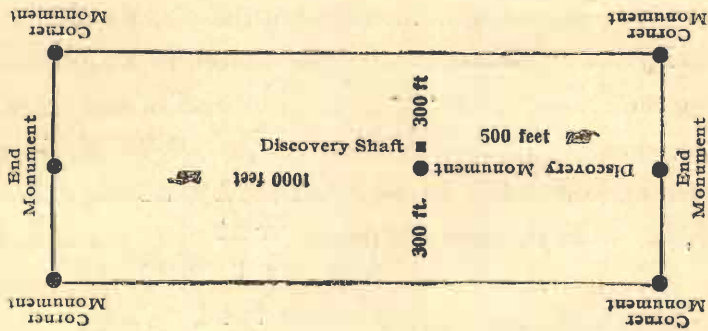
at 1 P M.

Book 52 Record of Mines

Pages 596

Queen E. Murphy  
County Recorder.

By Geo M. Hales  
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.



OK

AMENDED  
Notice of Mining Location  
LODE CLAIM

To all Whom it may Concern:

This Mining Claim, the name of which is the Minnesota  
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 Sullivan Copper Development Company, a corporation, organized and existing under the laws of the State of Minnesota.

Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States."

the undersigned, on the 20th day of April, 1914

The length of this claim is 1500 feet,  
and it claims 345 feet,

in a southerly direction and 1155  
feet in a northerly direction from

the center of the discovery cut ~~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 premises is from the

south to the north

The claim is situated and located in the California Mining District, in Cochise County, in the State of Arizona, about 1000 feet

in a northerly direction from U.S.M.M.No.2099, It is bounded on the east by California claim; on the south by the Sullivan; and Portland claims; on west by Duluth, and Wisconsin claims;

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stones,

at a point in a southerly direction 345 feet from the discovery cut ~~shaft~~ (at which this notice is posted,) being in the center of the south

end line of said claim; thence westerly 300 feet to a pine post and monument, being the S.W. corner of said claim; thence

northerly 1500 feet to a pine post & monument, being at the N.W. corner of said claim; thence easterly 300 feet

to a monument of stones, & post at the center of the north end of said claim; thence easterly 300 feet to a pine post & monument, being at the

N.E. corner of said claim; thence southerly 1500 feet to a pine post & monument at the S.E. corner of said claim;

thence westerly 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 Minnesota Mining Claim, located by John Sullivan,

on the 20th day of February, 1904, and recorded in Book 30 of Records of Mines, at page 278, in the office of the County Recorder of the aforesaid County of Cochise

to which 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 20th day of April 1914

Witness: AJ Balmforth

Sullivan Copper Development Company  
By: Clow T. Knapp  
Attorney in fact.



STATE OF ARIZONA,

COCHISE

ss.

County of .....

I, Qua S Murphy, County Recorder in and for the County and

State aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P.

on this 24 day of APR 1914, 1914, and duly recorded in Book No. 572

of MINING Records of APR 24 1914 County, Arizona, at pages 592

Witness my hand and official seal the day and year first above written.

Qua S Murphy  
Qua S Murphy  
County Recorder

SEARCHED  
INDEXED  
2231  
100

AMENDED  
**Notice of Location**  
**LODE CLAIM**

Minnesota.

Dated ....., 19.....

Filed and Recorded at request of

A. J. Straffe

APR 24 1914 A. D. 19.....

at 1:10 M.,

Book 572 Record of Mines

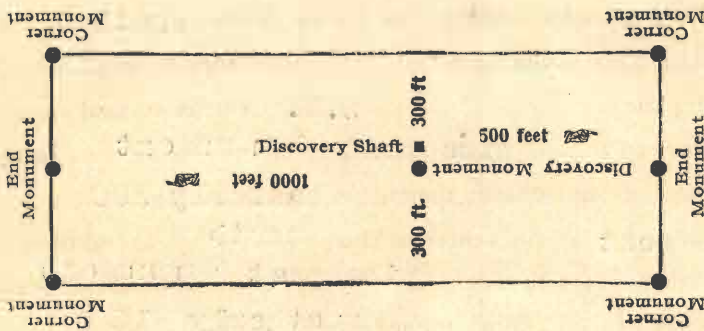
Pages 592

County Recorder.

Qua S Murphy  
Deputy Recorder.

By .....

Bieber



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.



AMENDED  
Notice of Mining Location  
LODE CLAIM

To all Whom it may Concern:

This Mining Claim, the name of which is the California  
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 Sullivan Copper Development Company, a corporation, organized and existing under the laws of the State of Minnesota.

Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States."

the undersigned, on the 21<sup>st</sup> day of April, 19 14

The length of this claim is 1500 feet,  
and it claims 80 feet,  
in a southerly direction and 1420

feet in a northerly 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 premises is from the south to the north

The claim is situated and located in the California Mining District, in Cochise County, in the State of Arizona, about 1000 feet in a northeasterly direction from U.S.M.M. No. 2099. It is bounded on west by Minnesota claim, and on south by Sullivan claim;

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stones

at a point in a southerly direction 80 feet from the discovery shaft (at which this notice is posted,) being in the center of the south end line of said claim; thence westerly 300 feet to a pine post and monument, being the S.W. corner of said claim; thence northerly 1500 feet to a pine post & monument, being at the N.W. corner of said claim; thence easterly 300 feet to a post & monument of stones, at the center of the north end of said claim; thence easterly 300 feet to a pine post & monument, being at the N.E. corner of said claim; thence southerly 1500 feet to a pine post & monument at the S.E. corner of said claim; thence westerly 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 California Mining Claim, located by John Sullivan,

on the 7<sup>th</sup> day of March, 19 04, and recorded in Book 30 of Records of Mines, at page 459, in the office of the County Recorder of the aforesaid County of Cochise

to which 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 21<sup>st</sup> day of April 19 14

Witness: A. J. Balmforth

Sullivan Copper Development Company  
By: Clow K. Knapp  
Attorney in fact.



STATE OF ARIZONA,

County of COCHISE } ss.

I, *Queen E. Murphy*, County Recorder in and for the County and

State aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P.M.,

on this APR 24 1914 day of 19, and duly recorded in Book No. 52

of MINING Records of COCHISE County, Arizona, at pages 593

Witness my hand and official seal the day and year first above written.

*Queen E. Murphy*

County Recorder.

*By Gus M. Hales Dep*

INDEXED  
COMPARED  
2232

AMENDED  
Notice of Location  
LODE CLAIM

California,

Dated \_\_\_\_\_, 19\_\_\_\_

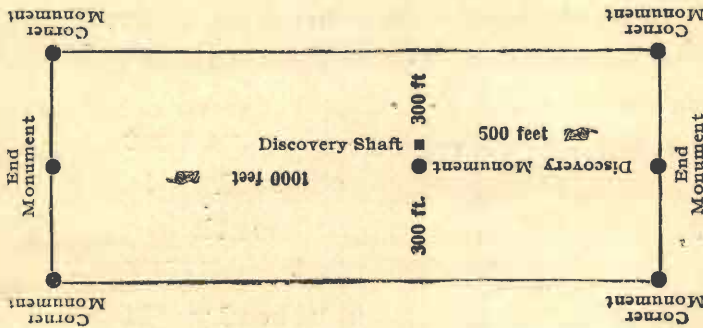
Filed and Recorded at request of  
*A. J. Strapp*

at \_\_\_\_\_ A. D. 19\_\_\_\_ M.,  
APR 24 1914  
*1: P*

Book 52 Record of Mines

Pages 593

By *Queen E. Murphy* County Recorder.  
*Gus M. Hales* Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.



OK

3125

20

AMENDED  
**Notice of Mining Location**  
 LODGE CLAIM

To all Whom it may Concern:

This Mining Claim, the name of which is the Sullivan  
 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 Sullivan Copper Development Company, a corporation, organized and existing under the laws of the State of Minnesota,

Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States."

the undersigned, on the 20<sup>th</sup> day of April, 1914

The length of this claim is 1500 feet,  
 and it claim 1470 feet,  
 in a easterly direction and 30  
 feet in a westerly direction from  
 the center of the discovery <sup>cut</sup> 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 premises is from the west  
 to the east

The claim is situated and located in the California Mining District, in  
Cochise County, in the State of Arizona, about 300 feet  
 in a northerly direction from U.S.M.M.No. 2099; it is  
bounded on north by the Minnesota and California claims; on the  
south by the Boston and Baltimore; on the west by Portland claim;

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stones,

at a point in a westerly direction 30 feet from  
 the discovery <sup>cut</sup> 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 pine post  
and monument, being the N.W. corner of said claim; thence  
easterly 1500 feet to a pine post & monument, being at the  
N.E. corner of said claim; thence southerly 300 feet  
 to a monument of stones, at the center of the east end of said claim;  
 thence southerly 300 feet to a pine post & monument, being at the  
S.E. corner of said claim; thence westerly 1500  
 feet to a pine post & monument at the S.W. 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.

This is an Amended Location Notice of the Sullivan,  
 Mining Claim, located by E. Sweeney,

on the 11th day of  
July, 1904, and recorded in Book 51 of Records of Mines, at  
 page 524, in the office of the County Recorder of the aforesaid County of Cochise

to which 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 20<sup>th</sup> day of April, 1914

Witness: A. J. Balmforth,

Sullivan Copper Development Company  
 BY: Chas. T. Krapp  
 Attorney in fact



STATE OF ARIZONA,

County of COCHISE } ss.

I, Queen E. Murphy, County Recorder in and for the County and

State aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock P.

on this APR 24 1914 day of APR 24 1914, 1914, and duly recorded in Book No. 52

of MINING Records of COCHISE County, Arizona, at pages 595

Witness my hand and official seal the day and year first above written.

Queen E. Murphy  
County Recorder  
By Esrs on State Dep

SEARCHED  
INDEXED  
COMPARED  
2234

AMENDED  
**Notice of Location**  
**LODE CLAIM**

Sullivan

Dated \_\_\_\_\_, 19\_\_\_\_

Filed and Recorded at request of

E. J. Strapp

APR 24 1914 A. D. 19\_\_\_\_

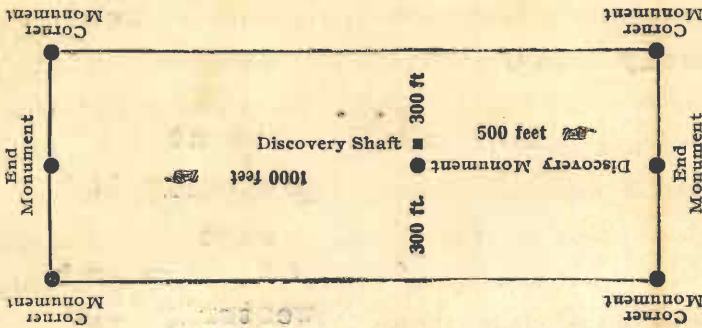
at 1:15 P. M.

Book 52 Record of Mines

Pages 595

County Recorder.

Esrs on State Dep  
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.



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

DEPARTMENT OF THE INTERIOR,  
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

August 20, 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 NEW YEAR, DULUTH, MINESOTA, CALIFORNIA,

SULLIVAN, situate in CALIFORNIA

Mining District, COCHISE County,

ARIZONA, Approx. in Sections 21 & 28, Township No. 16 S,

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

No. 3125, 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 <sup>each of</sup> said mining claim<sup>s</sup> by claimant or its grantors, and  
that said improvements consist of 12 cuts, 8 tunnels and 6 shafts, total  
value \$5045.00

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.



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,

August 20, 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

NEW YEAR, DULUTH, MINNESOTA, CALIFORNIA, SULLIVAN.

situate in CALIFORNIA Mining District,

COCHISE County, ARIZONA, Approx.

in Sections 21 & 28, Township No. 16 S., Range No. 30 E., Unsur.

, designated as Survey No. 3125

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

Surveyor, May 17-19, 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.