

MINERAL SURVEY No. 3720

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Solomon Springs Copper Company

KNOWN AS THE

MANILA, CENTER and PENOBSCOTT lodes

Warren Mining District,

Cochise County, Arizona

Section 31, Township 23 S, Range 25 E, G & S R B & M

Surveyed under instructions dated November 4, 1920

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

Claim located see location notices, 19

Survey commenced November 8, 1920

Survey completed November 10, 1920

Address of claimant's attorney, Cleon T. Knapp, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3720

Feet

CENTER lode.

Beginning at Cor. No. 1, the N. W. Cor., identical with location and with Cor. No. 2, Survey No. 1729 El Paso lode, a pine post 4 inches square 36 inches above ground in a mound of stones and scribed 1-3720 C, whence the 1/4 Cor. between Secs. 30 and 31, T 23 S, R 25 E, G & S R B & M brs N 45° 34' W 977.6 ft.

thence N 72° 20' E

92.9 along line 2-1 Survey No. 1729 El Paso lode intersect line 1-2 Survey No. 3437 National Progressive lode at N 51° 45' W 8.4 ft. from Cor. No. 2 thereof

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

600.0 to Cor. No. 2, the N. E. Cor., identical with location and with Cor. No. 3 Survey No. 1915 Safeguard lode and situated on line 1-2 Survey No. 1729 El Paso lode, a pine post 4 inches square 36 inches above ground in a mound of stones and scribed 2-3720 C, whence Cor. No. 1 Survey No. 1729 El Paso lode brs N 72° 20' E 70.0 ft.

thence S 43° 39' E

591.9 along line 3-2 Survey No. 1915 Safeguard lode to Cors. 2 and 4 of Survey No. 1915 Safeguard and Coggin lodes respectively

856.9 along line 4-3 Survey No. 1915 Coggin lode to Cors. 3 and 4 of Survey No. 1915 Coggin lode and Survey No. 1749 Promise lode respectively

1500.0 along line 4-3 Survey No. 1749 Promise lode to Cor. No. 3, the S. E. Cor., identical with location, with Cor. No. 3 Survey No. 1749 Promise lode and with the north end center of Manila lode this survey, a pine post 4 inches square 36 inches above ground scribed 3-3720 C, no bearings available

thence S 72° 20' W

274.1 along line 4-3 Manila lode this survey to witness corner for Cors. 3 and 4 of Manila and Penobscott lodes this survey respectively and for the south end center of this claim, being a pine post 4 feet long 4 inches square set



18 inches in the ground in a mound of stones and scribed  
 Wit. Cor. S E Ct 3720 C  
 300.0 to point for location for south end center now in center  
 of deep shaft. W. C., heretofore described, brs. N.  $72^{\circ} 20'$  E. 25.9 ft.  
 322.5 W. C., hereafter described, brs. S.  $72^{\circ} 20'$  W. 22.5 ft.  
 along line 4-3 Penobscott lode this survey, to witness  
 corner for Cors. 3 and 4 of Manila and Penobscott lodes  
 this survey respectively and the south end center of  
 this claim, a pine post 4 feet long 4 inches square set  
 18 inches in the ground in a mound of stones and scribed  
 Wit. Cor. S E Ct 3720 C  
 600.0 to Cor. No. 4, the S. W. Cor., identical with location  
 and with the north end center of Penobscott lode this  
 survey and situated on line 2-3 Survey No. 3437 Montana  
 lode, a pine post 4 feet long 4 inches square set 18  
 inches in the ground in a mound of stones and scribed  
 4-3720 C, whence Cor. No. 3 Survey No. 3437 Montana  
 lode brs S  $43^{\circ} 39'$  E 20.7 ft.  
 thence N  $43^{\circ} 39'$  W  
 1479.3 along line 3-2 Survey No. 3437 Montana lode to Cor. No.  
 2 Survey No. 3437 Montana lode also intersect line 2-3  
 Survey No. 3437 National Progressive lode at S  $64^{\circ} 49'$  W  
 89.3 ft. from Cor. No. 2 thereof  
 1500.0 to Cor. No. 1, the place of the beginning.

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 MANILA lode.

Beginning at Cor. No. 1, the S. E. Cor., identical with  
 location and with Cor. No. 3 Survey No. 1703 St. Elmo  
 lode, a pine post 4 inches square 36 inches above ground  
 in a mound of stones and scribed 1-3720 M whence a lime-  
 stone ledge with 12 x 22 x 4 inches high exposure chis-  
 eled B R x 1-3720 brs N  $15^{\circ} 28'$  E 4.9 ft. and a second  
 limestone ledge with 18 x 20 x 2 inches high exposure  
 with like chiseling brs S  $52^{\circ} 14'$  W 11.0 ft. and the 1/4  
 Cor. between Secs. 31 and 32, T 23 S, R 25 E, G & S R B  
 & M brs N  $1^{\circ} 19' 30''$  E 348.2 ft.

thence S  $72^{\circ} 20'$  W



Mineral Survey No. 3720 (Cont)

300.0 along line 3-2 Survey No. 1703 St. Elmo lode to south end center identical with location and with the north end center of Survey No. 1703 St. Elmo lode, being a mound of stones 3 ft. high with 3 ft. base

600.0 to Cor. No. 2, the S. W. Cor., identical with location and with Cors. 2, 2 and 1 of Survey No. 1703 St. Elmo and Emerald lodes and Penobscott lode this survey respectively, a pine post 4 inches square 36 inches above ground in a mound of stones and scribed 2-3720 M, whence a limestone rock in place 15 x 22 x 11 inches high above ground chiseled B R x 2-3720 brs S 2° 41' E 8.8 ft. and a second limestone rock in place 9 x 14 x 4 inches high above ground with like chiseling brs S 80° 02' W 11.0 ft.

thence N 2° 47' W

1464.0 along line 1-4 Penobscott lode this survey to witness corner for Cor. No. 3, being a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed Wit Cor 3-3720 M

1500.0 to point of location for Cor. No. 3, the N. W. Cor., now in center of deep shaft. W.C's, heretofore and hereafter described, br. S. 2° 47' E. 36 ft. and N. 72° 20' E. 25.9 ft.  
thence N 72° 20' E

25.9 along line 4-3 Center lode this survey to witness corner for corner No. 3, identical with witness corner for the south end center of Center lode this survey heretofore described to which I add Wit Cor 3-3720 M for this claim

300.0 to north end center, identical with location and with Cor. No. 3 of the Center lode this survey heretofore described to which I add N E Ct M 3720 for this claim

600.0 to Cor. No. 4, the N. E. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 4-3720 M, whence a limestone ledge with 20 x 25 x 4 inches high exposure chiseled B R x 4-3720 brs N 22° 12' E 11.1 ft and a second limestone ledge with 15 x 22 x 6 inches high exposure with like chiseling brs S 74° 32' E 16.3 ft.



thence S 2° 47' E  
1500.0 to Cor. No. 1, the place of the beginning.

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PENOBSCOTT lode.

Beginning at Cor. No. 1, the S. E. Cor., identical with location and with Cor. No. 2 Manila lode, this survey, heretofore described, to which I add 1-3720 P for this claim. The 1/4 Cor. between Secs. 31 and 32, T 23 S, R 25 E, G & S R B & M brs N 47° 33' 30" E 785.6 ft.

thence S 72° 20' W  
300.0 along line 2-3 Survey No. 1703 Emerald lode to south end center identical with location and with the north end center of Survey No. 1703 Emerald lode being a mound of stones 3 ft. high with 3 ft. base

600.0 to Cor. No. 2, the S. W. Cor., identical with location and with Cor. No. 3, Survey No. 1703 Emerald lode, a pine post 4 inches square 36 inches above ground in a mound of stones and scribed 2-3720 P, whence a limestone rock in place 10 x 15 x 5 inches high above ground chiseled B R x 2-3720 brs N 43° 55' W 9.0 ft. and a limestone ledge with 7 x 29 x 6 inches high exposure with like chiseling brs S 80° 02' W, 11.0 ft.

thence N 2° 47' W  
787.4 to N. E. Cor., of Warren Extension No 15 lode, unsurveyed, also intersect line 1-2 Survey No. 3437 Colorado lode at S 64° 49' W 143.3 ft. from Cor. No. 1 thereof

995.3 intersect line 4-1 Survey No. 3437 Colorado lode at N 43° 39' W 202.7 ft. from Cor. No. 1 thereof

1436.3 intersect line 3-4 Survey No. 3437 Montana lode at S 64° 49' W 328.2 ft. from Cor. No. 3 thereof

1500.0 to Cor. No. 3, the N. W. Cor., identical with location a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-3720 P, no bearings available

thence N 72° 20' E  
300.0 to North end center, identical with location and with Cor



## MINERAL SURVEY NO. 3720 (Con't)

No. 4 Center lode this survey heretofore described to which I add N E Ct P 3720 for this claim, also intersect line 2-3 Survey No. 3437 Montana lode at N 43° 39' W 20.7 ft. from Cor. No. 3 thereof

577.5 along line 4-3 Center lode this survey to witness corner for Cor. No. 4, identical with witness corner for the south end center of Center lode this survey, heretofore described to which I add Wit Cor 3-3720 P for this claim  
600.0 to point for original location of Cor. No. 4, the N. E.

Cor., now in center of deep shaft, W. C's heretofore and hereafter described, br. S. 72° 20' E. 22.5 ft. and S. 2° 47' E. 36 ft. respectively.  
thence S 2° 47' E

36.0 along line 3-2 Manila lode this survey to witness corner for Cor. No. 4, identical with witness Corner for Cor. No. 3, Manila lode this survey, heretofore described to which I add Wit Cor 4-3720 P for this claim  
1500.0 to Cor. No. 1, the place of the beginning.

## LEDGES

Center:- the presumed course of the vein on this claim is from the south end center N 43° 39' W 1500.0 ft.

Manila:- the presumed course of the vein on this claim is from the south end center N 2° 47' W 1500.0 ft.

Penobscott:- the presumed course of the vein on this claim is from the south end center N 2° 47' W 1500.0 ft.

## AREAS

Center lode - - total area - - - - - 18.573 A ✓

Area in conflict with

Survey No. 3437 National Progressive

lode - - - - - 0.028 A ✓

Manila lode - - total ~~and net~~ area - - - - - 19.968 A ✓

Penobscott lode - - total area - - - - - 19.968 A ✓

Area in conflict with

Survey No. 3437 Montana lode - 0.286 A ✓

Survey No. 3437 Colorado lode 0.316 A ✓



LOCATION

This survey is situated in Sec. 31, T 23 S, R 25 E, G & S R B & M, in the Warren Mining District, Cochise County, Arizona.

IMPROVEMENTS

I hereby certify that the value of the labor and the improvements placed upon these claims by the claimant or its grantors is not less than five hundred dollars for each location and that said improvements consist of:-

CENTER

- No. 1 Discovery shaft 4 x 6 x 10 ft deep brs from south end center location on lode line 20.0 ft. Value \$ 60.00
- No. 2 Shaft 4 x 12 x 7 ft. deep brs from Cor. No. 2 S 9° 30' E 180.0 ft. Value - - - - - 85.00
- No. 3 Open cut 8 x 9 x 12 ft. long brg S 23° W mouth of which brs from point on line 2-3 S 43° 39' E 856.9 ft from Cor. No. 2 S 23° 05' W 50.0 ft. Value - - 110.00
- No. 4 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 77° 05' W 351.00 ft. Value - - - - - 60.00
- No. 5 Shaft 4 x 12 x 10 ft. deep brs from Cor. No. 3 N 77° 15' W 322.0 ft. Value - - - - - 120.00
- No. 6 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 80° 30' W 318.0 ft. Value - - - - - 60.00
- No. 7 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 77° 30' W 310.0 ft. Value - - - - - 60.00
- No. 8 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 80° 35' W 299.0 ft. Value - - - - - 60.00
- No. 9 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 82° 45' W 288.0 ft. Value - - - - - 60.00
- No. 10 Shaft 4 x 6 x 10 ft. deep brs from Cor. No. 3 N 84° 01' W 311.0 ft. Value - - - - - 60.00
- No. 11 Open cut 4 x 10 x 10 ft. long with tunnel at face 4 x 6 x 8 ft. long, both brg S 45° W, mouth of open cut brs from Cor. No. 3 S 88° 04' W 247.0 ft. Value - - - - - 100.00



MINERAL SURVEY NO. 3720 (Cont')

No. 12 Shaft 6 x 6 x 12 ft. deep, timbered, 4 x 6 x 40 ft. Total depth 52.0 ft. Center of shaft is at the point for the original location of the south end center. Total Value \$600.00. As this shaft is situated on the three claims of this survey, a 1/3 interest has been allotted to each claim of this survey.

A 1/3 allotted to this claim - - - - - \$ 200.00

Total Value of Improvements - - - - - \$ 1035.00

PENOBSCOTT

- No. 1 Discovery shaft 4 x 6 x 10 ft. deep brs from North end center on lode line 120.0 ft. value - \$ 60.00
  - No. 2 Shaft 4 x 6 x 10 ft. deep brs from north end center S 4° 30' E 140.0 ft. Value - - - - - 60.00
  - No. 3 Shaft 4 x 6 x 10 ft. deep brs from north end center S 5° 45' E 175.0 ft. Value - - - - - 60.00
  - No. 4 Shaft 5 x 7 x 10 ft. deep brs from north end center S 1° 30' W 151.0 ft. Value - - - - - 90.00
  - No. 5 Shaft 4 x 6 x 10 ft. deep brs from north end center S 4° 28' W 139.0 ft. Value - - - - - 70.00
  - No. 6 Shaft 5 x 7 x 10 ft. deep brs from north end center S 12° 15' W 126.0 ft. Value - - - - - 90.00
  - No. 7 Shaft 4 x 6 x 10 ft. deep brs from north end center S 23° 01' W 121.0 ft. value - - - - - 60.00
  - No. 8 Shaft 4 x 6 x 10 ft. deep brs from north end center S 32° 30' W 119.0 ft. Value - - - - - 60.00
  - No. 9 Shaft 4 x 6 x 10 ft. deep brs from north end center S 38° 05' W 117.0 ft. Value - - - - - 60.00
  - No. 10 Open cut 6 x 8 x 10 ft. long brg N 40° E shaft in bottom 8 x 10 x 3 ft. deep, mouth of open cut brs from north end center S 50° 10' W 151.0 ft. Value - - - - - 120.00
- a 1/3 interest in improvement no. 12 Center lode this survey allotted to this claim - - - - - 200.00
- Total Value of Improvements - - - - - \$ 930.00



(1903) STATE OF YUKON TERRITORY

MANILA	
No. 1	Discovery shaft 4 x 6 x 10 ft. deep brs from north end center on lode line 635.0 ft. Value - - - - - \$ 60.00
No. 2	Shaft 4 x 6 x 10 ft. deep brs from north end center S 12° 30' E 10.0 ft. Value - - - - - 60.00
No. 3	Shaft 4 x 8 x 7 ft. deep brs from point on lode line 625.0 ft. from north end center N 89° 25' E 154.0 ft. Value - - - - - 55.00
No. 4	Shaft 4 x 6 x 10 ft. deep brs from same point N 89° 02' E 174.0 ft. Value - - - - - 60.00
No. 5	Shaft 4 x 7 x 10 ft. deep brs from same point S 88° 05' E 181.0 ft. Value - - - - - 70.00
No. 6	Shaft 4 x 6 x 10 ft. deep brs from same point N 86° 24' E 188.0 ft. Value - - - - - 60.00
No. 7	Shaft 5 x 6 x 10 ft. deep brs from same point N 87° 37' E 204.0 ft. Value - - - - - 75.00
No. 8	Shaft 4 x 6 x 10 ft. deep brs from same point N 85° 03' E 213.0 ft. Value - - - - - 60.00
No. 9	Shaft 5 x 6 x 10 ft. deep brs from same point N 83° 29' E 228.0 ft. Value - - - - - 75.00
No. 10	Shaft 5 x 7 x 10 ft. deep brs from same point N 81° 30' E 243.0 ft. Value - - - - - 90.00
No. 11	Shaft 4 x 6 x 10 ft. deep brs from same point N 80° 06' E 255.0 ft. Value - - - - - 60.00
No. 12	Shaft 4 x 7 x 10 ft. deep brs from same point N 78° 48' E 271.0 ft. Value - - - - - 70.00
	a 1/3 interest in Improvement No. 12 Center lode this survey allotted to this claim - - - - - <u>200.00</u>
	Total value of Improvements \$ 995.00

ADJOINING CLAIMS

North-	Survey No. 1729 El Paso lode
East	Survey No. 1915 Safeguard and Coggin lodes
	Survey No. 1749 Promise lode
South	Survey No. 1703 Emerald and St. Elmo lodes



## Mineral Survey No. 3720 (Con't)

West

Survey No. 3437 National Progressive, Montana and Colorado lodes

Warren Extension No. 15 lode unsurveyed owned by John Treg et al

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## INSTRUMENT

This survey was made with a C. L. Berger & Sons No. 1 c transit. The courses were deflected from the true meridian as determined for Survey No. 3437. Distances were measured with 100 and 300 ft. steel tapes. Magnetic variation  $12^{\circ} 30' E$  at all corners.

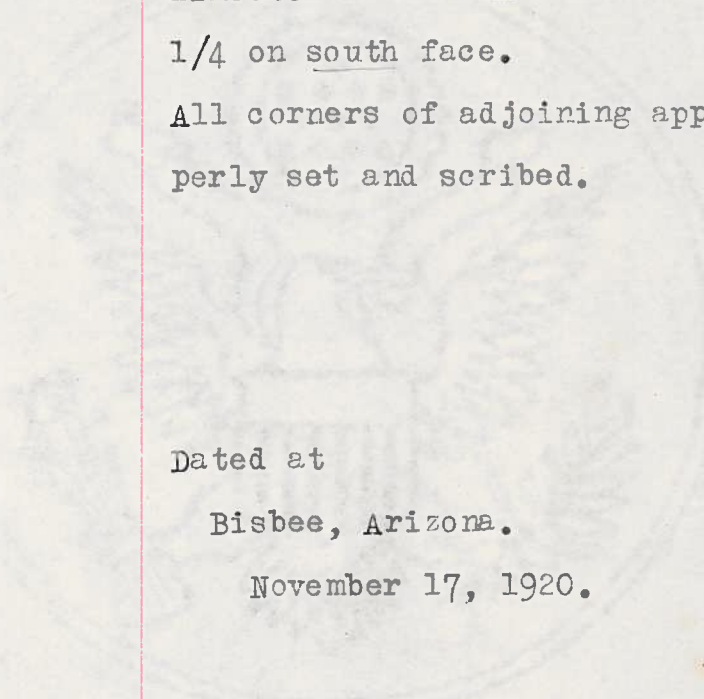
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## REPORT

1/4 Cor. between Secs. 31 and 32, T 23 S, R 25 E is a limestone rock 6 x 10 x 12 inches above ground chiseled 1/4 on west face.

1/4 Cor. between Secs. 30 and 31, T 23 S, R 25 E is a limestone rock 8 x 8 x 10 inches above ground chiseled 1/4 on south face.

All corners of adjoining approved surveys are posts properly set and scribed.

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

Dated at

Bisbee, Arizona.

November 17, 1920.



# 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

Solomon Springs Copper Company

known as the MANILA, CENTER and PENOBSCOTT lodes

and showing the respective capacities in which they acted.

Phillip Dupen, *Chainman.*

....., *Chainman.*

....., *Axman.*

....., *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~WX~~ I. Phillip Dupen

and ....., do solemnly swear that we assisted Ralph L. Motz

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

Solomon Springs Copper Company

known as the MANILA, CENTER and PENOBSCOTT lodes

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 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

Phillip Dupen, *Chainman.*

....., *Chainman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to by the above-named persons before me this 17th

day of November, 19 20

JW Ross  
Notary Public, in and for the County of  
Cochise, State of Arizona.

My commission expires Feb. 21, 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 November 4, 1920, 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 Solomon Springs Copper Company, known as the MANILA, CENTER and PENOBSCOTT lodes, situate in Warren Mining District, Cochise County, Arizona, in Section 31, Township No. 23 S, Range No. 25 E, G & S R B & M, and designated as Survey No. 3720, 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. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz  
U. S. Mineral Surveyor, before me Ch. J. W. Ross, Notary Public  
this 17th  
day of November, 19 20

*Ch. J. W. Ross*  
Notary Public, in and for the County of  
Cochise, State of Arizona.  
My commission expires Feb. 21, 1924.



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

January 15, 1921.

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

Solomon Springs Copper Company

known as the MANILA, CENTER, and PENOBSCOTT Lodes

situate in Warren

Mining District, Cochise County, Arizona

in Section 31, Township No. 23 S., Range No. 25 E., and

designated as Survey No. 3720, 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 claims by claimant or its grantors, and that said improvements consist of 32 shafts, 3 cuts and 1 tunnel, total value \$2960.

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



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,

January 15, 1921

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

Solomon Springs Copper Company

, known as the

MANILA, CENTER, and PENOBSCOTT Lodes

situate in Warren mining district,

Cochise County, Arizona

in Section 31, Township No. 23 S., Range No. 25 E.

, designated as Survey No. 3720

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

Surveyor, November 8 - 10, 1920, under my instructions dated

November 4, 1920, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. 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.

[Handwritten signature]

U. S. Surveyor General for Arizona