

MINERAL SURVEY No. 3712

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Bunker Hill Mines Company

KNOWN AS THE

"EMERALD SOUTH MINE" LODE

Tombstone Mining District,

Cochise County, Arizona

Sections 14 & 23, Township 20 S, Range 22 E. G & S R B & M

Surveyed under instructions dated October 20, 1920

by Ralph L. Motz

U. S. Mineral Surveyor.

Claim located see location notice, 19

Survey commenced November 1, 1920, 19

Survey completed November 1, 1920

Address of claimant's attorney: Ellinwood & Ross, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS.

## MINERAL SURVEY NO. 3712

Feet.

## "EMERALD SOUTH MINE" LODE

Beginning at Cor. No. 1, the N. E. Cor., identical with location and with Cors. 6 and 7 of Survey No. 608 Emerald lode and Lot NO. 65 Silver Plume lode respectively, a pine post 6 inches square 40 inches above top of large monument, scribed 1-3712 E S M, whence a limestone ledge with 28 x 45 x 7 inches high exposure chiseled B R x 1-3712 brs S  $43^{\circ} 39'$  E 22.0 ft. and a second limestone ledge with 4 x 33 x 37 inches high exposure with like chiseling brs N  $65^{\circ} 31'$  E 16.5 ft. Cor. No. 3 Survey No. 637 Waubun lode brs S  $21^{\circ} 24'$  W 123.0 ft. The 1/4 Cor. between Secs. 14 and 23, T 20 S, R 22 E, G & S R B & M brs N  $80^{\circ} 03'$  E 262.4 ft.

thence S  $22^{\circ} 12'$  W

29.0 to Cor. No. 2, the S 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 2-3712 E S M, no bearings available

thence N  $65^{\circ} 21'$  W

170.3 to original location for south end center, being a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed S E Ct E S M 3712

174.6 intersect line between sections 14 and 23, T 20 S, R 22 E at N  $89^{\circ} 55'$  W 428.1 ft from the 1/4 Cor. between Secs. 14 and 23 and S  $89^{\circ} 55'$  E 2215.1 ft. from the Cor. of Secs. 14, 15, 22 and 23

352.0 cross road, Tombstone to Silver Plume Mine, course northerly and southerly

417.3 to Cor. No. 3, the S. W. Cor., identical with location and with Cors. 3 and 5 of Lot No. 65 Silver Plume lode and Survey No. 676 Hidden Treasure lode, respectively, a pine post 4 ft. long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-3712 E S M, no bearings available

thence N  $22^{\circ} 12'$  E

29.0 along line 5-6 Survey No. 676 Hidden Treasure lode to Cor. No. 4, the N. W. Cor., identical with location and with Cor. No. 4 of Survey No. 608 Emerald lode, a pine post 4 ft. long 4 inches square set 18 inches in the ground in a mound of stones and scribed 4-3712 E S M, whence Cor. No. 6 of Survey No. 676 Hidden Treasure lode brs N 22° 12' E 523.5 ft.

thence S 65° 21' E

63.0 along line 4-6 Survey No. 608 Emerald lode cross raad Tombstone to Silver Plume Mine, course northerly and southerly

247.0 to original location for the north end center being a pine post 4 ft. long 4 inches square set 18 inches in the ground in a mound of stones and scribed N E Ct E S M 3712

307.3 intersect line between Secs. 14 and 23, T 20 S, R 22 E at N 89° 55' W 358.4 ft. from the 1/4 Cor. between Secs 14 and 23 and S 89° 55' E 2284.8 ft. from the Cor. of Secs. 14, 15, 22 and 23, T 20 S, R 22 E

417.3 to Cor. No. 1, the place of the beginning.

LEDGE

The presumed course of the vein on this claim is from the north end center S 22° 12' W 29.0 ft.

AREAS

Total area Emerald South Mine lode - - - - - 0.278 A

Area in conflict with

Lot No. 65 Silver Plume lode - - - 0.139 A

LOCATION

This survey is situated in Secs. 14 and 23, T 20 S, R 22 E, G & S R B & M, in the Tombstone Mining District, Cochise County, Arizona.

IMPROVEMENTS

MINERAL SURVEY NO. 3712 (Con't)

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 consist of:-

No. 1	Discovery shaft 4 x 6 x 10 ft. deep brs from north end center on lode line 9.0 ft. Value - - - - -	\$ 75.00
No. 2	Open cut 5 x 12 x 25 ft. long, tunnel at face 4 x 6 x 36 ft. long brgs 40° E point in open cut S 40° E 14.0 ft. from the mouth brs from Cor. No. 4 S 65° 21' E 284.0 ft. 11 ft. of the open cut and 8 ft. of the tunnel are on this claim.	
	Value of above portion - - - - -	133.00
No. 3	Drift - 500' level from Emerald shaft to Silver Plume shaft - 4 x 6 x 16 ft. on this claim brg S 6° 45' E, drift crosses line 4-1 at S 65° 21' E 212.0 ft. from Cor. No. 4. Value - - - - -	160.00
No. 4	Drift - 600' level from Emerald shaft to Silver Plume shaft - 4 x 6 x 18.7 ft. on this claim brg S 3° 30' E, drift crosses line 4-1 at S 65° 21' E 171.0 ft. from Cor. No. 4. Value - - - - -	187.00
No. 5	Winze from 600' level, 4 x 6 x 35 ft. deep, center brs from Cor. No. 4 S 63° 45' E 168.0 ft. Value - - - - -	350.00
No. 6	Inclined raise from 600' level to 500 level, 4 x 6 x 100 ft. high brg N 86° 30' E, inclined 71°, bottom of raise brs from Cor. No. 1 N 69° 20' W 235.0 ft. Value - - - - -	1000.00
Total improvements - - - - -		\$ 1905.00

Note:- Shaft No. 1 and open cut of No. 2 have been filled by a dump from the Silver Plume shaft in recent years. Improvements No. 3, 4, 5 and 6 are now inaccessible from the caving of the mouths of the Emerald and Silver Plume shafts. I am enclosing herewith affidavit of the Superintendent of the Bunker Hill Mines Co. as to their existence.

ADJOINING CLAIMS

North Survey No. 608 Emerald lode  
 South Lot No. 65 Silver Plume lode  
 West Survey No. 676 Hidden Treasure lode

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 by a direct Solar observation. The distances were measured with 100 and 300 ft. steel tapes. Magnetic variation 12° 15' east at all corners.

REPORT

The 1/4 cor. between Secs. 14 and 23, T 20 S, R 22 E G & S R B & M is a limestone rock 5 x 7 x 4 inches high -above-ground chiseled 1/4 on west face. Monument of rocks 3 ft. west.  
 Cor. of Secs. 14, 15, 22 and 23, T 20 S, R 22 E is a quartzite rock 6 x 8 x 9 inches above ground chiseled II on east face, and III on south face. Monument of rocks 2 ft. west.  
 Lot No. 65 Silver Plume lode. Cor. No. 3 was a monument of rocks, now 4 x 4 post marked 3-SP. Cor. No. 7 is a 6 x 6 post marked S P M C No. 7  
 Survey No. 608 Emerald lode. Cor. No. 4 was a monument of rocks now 4 x 4 post marked 4-608 E. Cor. No. 5 is under a deep dump. Cor. No. 6 is a 6 x 6 post marked E M C No. 6.  
 Survey No. 676. Hidden Treasure lode. Cor. No. 5 was a monument of rocks now 4 x 4 post marked 5-676 H T. Cor. No. 6 is a 4 x 4 post marked H T M C No. 6

Ralph L. Mott

U. S. Mineral Surveyor.

Dated at

Bisbee, Arizona.

Nov. 5th, 1920<sup>3</sup>

I, John H. Davis, Superintendent of the Bunker Hill Mines Company, do hereby certify that the improvements as shown by Ralph L. Motz, U. S. Mineral Surveyor, in his notes on Survey No. 3712 Emerald South Mine and listed below were actually made upon this claim subsequent to the date of location by the claimant or its grantors, and that I have personal knowledge of their existence:-

- No. 1 Discovery shaft 4 x 6 x 10 ft. deep brs from north end center on lode line 9.0 ft. Now covered by dump.
- No. 2 Open cut 5 x 12 x 25 ft. long now covered by dump.
- No. 3 Drift - 500' level from Emerald shaft to Silver Plume shaft 4 x 6 x 16 ft. on this claim, crosses line 4-1 at S 65° 21' E 212.0 ft. from Cor. No. 4, now inaccessible due to caving of collars of shafts.
- No. 4 Drift - 600' level from Emerald shaft to Silver Plume shaft - 4 x 6 x 18.7 ft. on this claim, drift crosses line 4-1 at S 65° 21' E 171.0 ft. from Cor. No. 4, now inaccessible due to caving of collars of shafts.
- No. 5 Winze from 600' level, 4 x 6 x 35 ft. deep, center brs from Cor. No. 4 S 63° 45' E 169.0 ft. Now inaccessible due to caving of collars of shafts.
- No. 6 Inclined raise from 600 to 500 level 4 x 6 x 100 ft. high, bottom of raise brs from Cor. No. 1 N 69° 20' W 235.0 ft. Now inaccessible due to caving of collars of shafts.

John H. Davis.  
Superintendent.

Bunker Hill Mines Cpmpany.

Subscribed and sworn to by the said John H. Davis, before me C. J. Wynn Notary Public, this 11th day of November, 1920.

C. J. Wynn  
Notary Public, in and for the County of Cochise, State of Arizona.

My commission expires  
March 6, 1922.

# 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 \_\_\_\_\_  
Bunker Hill Mines Company  
 known as the "EMERALD SOUTH MINE" lode  
 and showing the respective capacities in which they acted.

Philip Dupen \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Asman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~We~~ I, Philip Dupen  
 and \_\_\_\_\_, do solemnly swear that we ~~we~~ assisted Ralph L. Motz  
 \_\_\_\_\_, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Bunker Hill Mines Company  
 known as the "EMERALD SOUTH MINE" 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 knowledge and belief, faithfully  
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-  
 tions furnished by the United States Surveyor-General for Arizona.

Philip Dupen \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Asman.*  
 \_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 5th  
 day of November, 19 20

Charles Woods  
 Notary Public, in and for the County  
 of Cochise, State of Arizona.

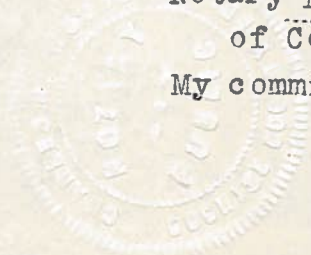
# FINAL OATH OF U. S. MINERAL SURVEYOR.

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  
October 20, 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 Bunker Hill Mines Company  
, known as the  
"EMERALD SOUTH MINE" LODE"  
situate in Tombstone Mining District,  
Cochise County, Arizona, in Sections  
14 & 23, Township No. 20 S, Range No. 22 E. G & S R B & M  
and designated as Survey No. 3712, 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 per-  
petuated in strict accordance with the law, official regulations and instructions there-  
under; 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 Charles R. Woods, Notary Public  
this 5th  
day of November, 1920.

Charles R. Woods  
Notary Public, in and for the County  
of Cochise, State of Arizona.  
My commission expires May 23, 1921.





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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona

January 27, 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

Bunker Hill Mines Company

known as the "EMERALD SOUTH MINE" Lode

situate in Tombstone

Mining District, Cochise County, Arizona

in Sections 14 & 23, Township No. 20 S., Range No. 22 E., and

designated as Survey No. 3712, 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

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 27, 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

Bunker Hill Mines Company

, known as the

"EMERALD SOUTH MINE" Lode

situate in Tombstone mining district,

Cochise County, Arizona

in Sections 14 & 23, Township No. 20 S., Range No. 22 E.

, designated as Survey No. 3712

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

Surveyor, November 1, 1920, under my instructions dated

October 20, 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.



U. S. Surveyor General for Arizona.