

Copied Aug. 20, 1909,

A. L. H.

JUL 31 1909

4-683.

MINERAL SURVEY No. 2684

LOT No.

ARIZONA

Land District.

# FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Live Oak Copper Mining and Smelting Company.

KNOWN AS THE

LIVE OAK NO. 2, LIVE OAK NO. 3, LIVE OAK NO. 4, LIVE OAK NO. 5.

Globe

Mining District,

Gila

County,

Arizona

Section 26 approx., Township 1 N, Range 14 E unsurveyed

Surveyed under instructions dated June 18, 1909

by *Howard P. Payne*

U. S. Mineral Surveyor.

Claim located see location notices, 1909.

Survey commenced June 26, 1909

Survey completed July 2, 1909.

6-522

Seth E. Hazzard, Attorney for claimant

Bisbee, Arizona.

see letter Aug. 16-09

FEET.

SURVEY NO. 2684.

## LIVE OAK NO.2 LODGE

Beginning at corner No.1, the S.E. corner, identical with location and with corner No.2, Survey No 2530, Copper King lode, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in amount of stone and scribed 1-2684-L.O.No.2., whence the S.W. corner of section 30, T I N R 15 E, G & SR B & M bears S 85° 15' E 8923.9 feet. No available witnesses.

THENCE N 80° 03' W

300.0 to S.E.C., identical with location, a nail, in a pine post 4 feet long 4 inches square, set 18 inches in the ground in a mound of stone and scribed 2684.

600.0 to corner No.2, the S.W. corner, identical with location, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in amount of stone and scribed 2-2684-L.O.No.2. No available witnesses.

THENCE N 09° 49' E

1475.0 to corner No.3, the N.W corner, identical with location, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 3-2684-L.O.No.2, whence rock croppings chiseled B R- X -2684 bear S 80° 05' E 131.8 feet.

THENCE S 80° 03' E

300.0 to N.E.C., a nail, in a pine post, 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684. Identical with location.

600.0 to corner No.4, the N.E. corner, identical with location and with corner No.3, survey No.2530, Copper King lode, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 4-2684-L.O.No.2. No available witnesses.

THENCE S 09° 49' W

1475.0 Coincident with line 3-2, Survey No.2530, Copper King L. to corner No.1, the point of beginning.

Variation 13° 45' to 14° E at all corners.

LEDGE.

The presumed course of the vein on this claim is from the N.E.C. of location S 09° 49' W 1475.0 ft.

## LIVE OAK NO.3 LODGE

Beginning at corner No.1, the S.E. corner, identical with location and with corner No.4 Live Oak No.2 lode this survey and with corner No.3, Survey No.2530, Copper King lode, a nail in a post as previously described, whence the S.W. corner of section 30, T I N R 15 E, G & S R B & M bears S 75° 46' E 8914.5 feet. No available witnesses.

THENCE N 80° 03' W

300.0 coincident with line 4-3 Live Oak No.2 lode, this survey. to S.E.C., identical with location and with N.E.C. Live Oak No.2 lode, a nail in a post as previously described.

600.0 to corner No.2, the S.W. corner, identical with location and with corner 3 Live Oak No.2 lode, this survey as described, whence rock croppings chiseled B R X 2684 bear S 80° 05' E 131.8 feet.

THENCE N 09° 28' E

1278.4 to intersection with south end of Philadelphia lode, unsurveyed, a nail in a 4 x 4 pine post set 18 inches in the ground, whence the S.E. corner of the Philadelphia lode bears S 78° 08' E 293.8 ft. and an agreement or compromise line between the Philadelphia

1499.1 and the Live Oak No.3 lodes, bears N 59° 56' E 343.2 ft to corner No.3, the N.W. corner, identical with location, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 3-2684-L.O.No.3., whence rock croppings chiseled B R- X -2684 bear S 75° 08' E 27.1 ft.

THENCE S 80° 03' E

264.7 to intersection with east side line of Philadelphia lode, unsurveyed, also the the N.W. corner of the Finis lode unsurveyed, a nail in a 4 x 4 pine post set 18 inches in the ground, whence the S.E. corner of the Philadelphia lode bears S 2° 19' W 232.6 ft and the S.W. corner of the Finis lode bears S 55° 03' E 100.0 ft., also the compromise line as previously described bears S 59° 56' W 343.2 ft.

300.0 to the N.E.C., a nail in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684. Identical with location.

600.0 to corner No.4, the N.W. corner, identical with location a nail, in a 2 inch wooden plug driven into a drill hole in solid rock ( it being impossible to set a post in the ground) whence a pine post 4 feet long 4 inches square set 18 inches in the ground bears S 09° 28' W 2.08 ft and scribed 4-2684-L.O.No.3 W.C.

THENCE S 09° 28' W

2.08 from true corner.  
1499.1 to witness corner  
33.64 to corner No.1, the point of beginning.  
Intersect the S side line of the Finis lode, unsurveyed, at N. 82° 04' W. 245.1 ft. from the S.W. Cor.

Variation 13° 45' to 14° E at all corners.

LEDGE.

The presumed course of the vein on this claim is from the N.E.C. of location S 09° 28' W 1499.1 feet.

FEET

SURVEY NO. 2684.

LIVE OAK NO.4 LODE

Beginning at corner No.1, the S.E. corner, identical with location and with corner No.3 Live Oak No.2 lode and corner No.2, Live Oak No.3 lode, this survey, a nail, in a post previously described, whence the S.W. corner of section 30, T 1 N, R 15 E, G & S R B & M bears S 76° 02' E 9514.0 feet. Rock croppings chiseled B R- X -2684 bear S 80° 05' E 131.8 feet.

THENCE N 80° 03' W

300.0 to S.E.C., a nail in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684. (identical with location)

564.0 to intersection with south side of Barney No.21 lode unsurveyed, whence the S.E. corner of the Barney No.21 lode bears N 79° 17' E 177.5 feet.

600.0 to corner No.2, the S.W. corner, identical with location a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2-2684-L 0 No.4. No available witnesses.

THENCE N 09° 28' E

612.9 to the N.E. corner of the Barney No.21 lode, unsurveyed whence the S.E. corner of the Barney No.21 bears S 10° 42' E 588.2 feet.

1499.1 to corner No.3, the N.W. corner, identical with location a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 3-2684-L 0 No.4. No available witnesses.

THENCE S 80° 03' E

267.5 to intersection west side of Philadelphia lode, unsurveyed, whence the S.W. corner of the Philadelphia bears S 2° 19' W 212.3 feet.

300.0 to N.E.C., a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684 Identical with location

600.0 to corner No.4 identical with location, the N.E. corner, and with corner No.3 Live Oak No.3 lode, this survey, a nail in a post previously described, whence rock croppings chiseled B R- X -2684 bear S 73° 08' E 27.1 feet.

THENCE S 09° 28' W

220.7 Coincident with line 3-2 Live Oak No.3 lode, this survey to intersection with south end of Philadelphia lode, unsurveyed, whence the S.W. corner of the Philadelphia lode bears N 78° 08' W 306.4 feet.

1499.1 to corner No.1, the point of beginning .

Variation 13° 30' to 14° E at all corners.

LEDGE.

The presumed course of the vein on this claim is from the N.E.C. of location S 09° 28' W 1499.1 feet.

## LIVE OAK NO.5 LODGE

Beginning at corner No.1, the S.E. corner, identical with location and on line 2-3 Live Oak No.2 lode, this survey, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 1-2684-L.O.No.5., whence the S.W. corner of section 30, T 1 N, R 15 E, G & S R B & M bears S 79° 39'E 9489.4 feet. No available witnesses.

THENCE N 69° 08' W

1347.0 to corner No.2, the S.W. corner, identical with location, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2-2684-L.O.No.5

THENCE N 09° 49' E

59.2 to intersection south side of Barney No.18 lode, unsurveyed, whence the S.E. corner of Barney No.18 lode bears N 78° 58' E 197.4 ft.

299.5 to W.E.C., a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684. Identical with location.

599.5 to corner No.3, the N.W. corner, identical with location, a nail, in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 3-2684-L.O.No.5. No available Witnesses.

THENCE S 69° 13' E

9.3 to intersection with the east end of Barney No.18 and the west end of Barney No.21 lodes, unsurveyed, whence the S.E. corner of Barney No.18 and the S.W. corner of Barney No.21 bears S 10° 42' E 500.1 ft.

734.7 to intersection line 2-3 Live Oak No.4 lode, this survey whence corner No.2 Live Oak No.4, bears S 09° 28' W 115.2 feet.

935.9 to intersection with east end of Barney No.21 lode, whence the south east corner of Barney No.21 bears S 10° 42' E 15.9 feet.

1346.6 to corner No.4, the N.E. corner, identical with location, and with corner No.3 Live Oak No.2 lode, with corner No.2 Live Oak No.3 lode, and corner No.1 Live Oak No.4 lode all of this survey, a nail, in a post as previously described, whence rock croppings chiselled B R- X -2684 bear S 80° 05' E 131.8 ft.

THENCE S 09° 49' W

298.5 along line 3-2 Live Oak No.2 lode, this survey to E.E.C., a nail in a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stone and scribed 2684. Identical with location.

601.3 to corner No.1, the point of beginning.

Variation 13° 45' to 14° E at all corners.

LEDGE.

The presumed course of the vein on this claim is from the E.E.C. of location N 69° 16' W 1346.2 feet.

SURVEY NO. 2684 con.

AREA.		Acres	Acres
Total and net area Live Oak No. 2 lode			20.315 ✓
Total area Live Oak No. 3 lode			20.648 ✓
Area in conflict with-			
Finis lode, unsurveyed	.257 ✓		
Philadelphia lode, unsurveyed	1.444 ✓		
Tract A, hereafter described, *	.671		
Total area Live Oak No. 4 lode			20.648 ✓
Area in conflict with-			
Philadelphia lode, unsurveyed	1.579 ✓		
Barney No. 21 lode, unsurveyed	1.452 ✓		
Total area Live Oak No. 5 lode			18.222 ✓
Area in conflict with-			
Live Oak No. 4 lode, this survey	.793 ✓		
Barney No. 18 lode, unsurveyed	1.189 ✓		
Barney No. 21 lode, "	4.678 ✓		
Common conflict Live Oak No. 4, Live Oak No. 5 and Barney No. 21 lode, unsurveyed,			.326

LOCATION.

These claims are located approx. in section 26, T 1N R 14 E, G & S R B & M, unsurveyed, in the Globe Mining District, Gila County, in the Crook Nat'l. Forest.

ADJOINING CLAIMS.

N	Philadelphia lode, unsurveyed, Keystone Copper Co. owner
	Race Horse, " " " " " "
	Finis lode, unsurveyed, Live Oak Copper Mg & Sm Co. "
E	Live Oak lode, " " " " " "
	Copper King lode, Survey No. 2530 " " "
S	Novelty lode, unsurveyed, owners not known
	Roman Eagle <sup>N<sup>th</sup></sup> lode, unsurveyed, Chas. Maybush owner
	Roman Eagle No. 2, " " "
	Pinyon lode, Unsur. " " "
W	Barney lodes No's 18, 19, 20, 21. <sup>Unsur</sup> J.D. Coplin, owner.

THE EXPENDITURE OF FIVE HUNDRED DOLLARS.

I do here by certify that the value of the labor and improvements made upon and for the benefit of these claims by the claimant or their grantors is not less than five hundred dollars and said improvements consist of the following:-

Live Oak No. 2 lode	
No. 1. A discovery cut 4 x 12 - 10 f, the mouth of which bears from N.E.C. S 09° 49' W. 196 feet.	Value of cut \$ 25.00
No. 2. A tunnel the mouth of which bears from the N.E.C. S 6° 39' E 189.0 ft., 4' x 6' - 20' running S 35° W	Value of tunnel 125.00
No. 3. A tunnel, the mouth of which bears from corner No. 4 S 57° 20' W 160.0 ft., 3' x 6' - 42' ft., running N 20° E.	Value of tunnel 275.00
No. 4. A tunnel, the mouth of which bears from corner No. 4 S 35° 26' W 170.0 ft., 4' x 7' - 36 ft., running N 22° E	Value of tunnel 235.00

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No. 5. A tunnel, the mouth of which bears from the N.E.C. S 17° 20' W 128 ft., 4 x 6 - 22 ft., running S 50° W

Value of tunnel 125.00

Live Oak No. 3 lode

No. 1. A discovery shaft 4 x 6 - 45 ft., the center of which bears from the N.E.C. S 09° 28' W 498.0 ft. (partly timbered)

Value of shaft 360.00

No. 2. A cut, the mouth of which bears from the S.E. C. N 38° E 23.0 ft., 6 x 8 - 10 ft.

Value of cut 20.00

No. 3. A tunnel, the mouth of which bears from the S.E.C. N 15° 08' W 119.0 ft., 4 x 6 - 22 ft., running N 40° E

Value of tunnel 125.00

No. 4. A tunnel, the mouth of which bears from corner No. 3 S 5° 45' E 580.0 ft

Live Oak No. 4 lode.

No. 1. A discovery cut 4 x 12 - 10 ft., the mouth of which bears from the N.E.C. S 09° 28' W 984.0 ft.

Value of cut 25.00

No. 2. A tunnel, the mouth of which bears from corner No. 2 N 51° 49' E 403.0 ft., 3 x 6 - 34 ft., running S 35° W

Value of tunnel 225.00

No. 3. A tunnel, the mouth of which bears from corner No. 2 N 54° 50' E 395.0 ft., 3 x 5 - 12 ft.,

Value of tunnel 40.00

No. 4. A tunnel, the mouth of which bears from corner No. 2 N 19° 34' E 360.0 ft., 6 x 6 - 72 ft., running S 64° W

Value of tunnel 500.00

No. 5. A tunnel, the mouth of which bears from corner No. 1 N 19° 24' W 412.0 ft., 4 x 6 - 23 ft., running N 40° E.

Value of tunnel 125.00

No. 6. A tunnel, the mouth of which bears from corner No. 3 S 5° 40' E 310.0 ft., 4 x 6 - 42 ft., running N 34° W

Value of tunnel 275.00

Live Oak No. 5.

No. 1. A discovery tunnel 4 x 6 - 12 ft. the mouth of which bears from the E.E.C. N 69° 16' W 7.0 ft

Value of tunnel \$ 60.00

NO.2. A tunnel, the mouth of which bears from the  
 E.E.C. N 69°W 27 ft., 4 x 5 - 55 ft. running north.  
 Value of tunnel \$330.00

NO.3. A tunnel, the mouth of which bears from the  
 E.E.C. N 72° W 214 ft., 4 x 6 - 25 ft., running N 40° E  
 Value of tunnel 150.00

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INSTRUMENT.

This survey was made with a W. & L.E. Gurley mount-  
 ain transit fitted with a Burt solar by which the true  
 meridian was obtained and checked upon previously  
 determined courses. Measurements were made with 100  
 and 500 foot steel tapes.

All the lines of this survey were run directly  
 upon the ground.

*Howard P. Wayne*  
 U. S. Mineral Surveyor.

*Globe Cruz*  
*July 28, '09.*

\* Description of Tract A.

Beginning at a point on line 2-3 of the Live Oak  
 No. 3 lode, 1278.4 ft. from Cor. No. 2, thence along  
 line 2-3 of the Live Oak No. 3 lode, 220.7 ft. to Cor.  
 No. 3 of the Live Oak No. 3 lode, thence S. 80° 03' E.  
 264.7 ft., to the intersection of line 3-4 of the Live  
 Oak No. 3 lode with the east side line of the Philadel-  
 phia lode, unsurveyed, thence S. 59° 56' W. 343.2 ft.  
 to the place of beginning, containing .671 acres.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Howard T. Wayne  
 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 \_\_\_\_\_  
LIVE OAK COPPER MINING AND SMELTING COMPANY  
 known as the LIVE OAK NO.2, LIVE OAK NO.3, LIVE OAK NO.4, LIVE OAK NO.5  
 and showing the respective capacities in which they acted.

\_\_\_\_\_  
J.M.Richards \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_  
D.S.Tovey \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Arman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, J.M.Richards  
 and D. S. Tovey, do solemnly swear that we assisted \_\_\_\_\_  
Howard T. Wayne, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Live Oak Copper Mining and Smelting Company  
 \_\_\_\_\_  
 known as the LIVE OAK NO.2, LIVE OAK NO.3, LIVE OAK NO.4, LIVE OAK NO.5.  
 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.

\_\_\_\_\_  
J.M. Richards \_\_\_\_\_, *Chainman.*  
D.S. Tovey \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Arman.*  
 \_\_\_\_\_, *Flagman*

Subscribed and sworn to by the above-named persons before me this 19<sup>th</sup>

day of July, 1909

J. W. Wemberger  
 Notary Public

My commission expires 3/26/1910.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Howard T. Wayne, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 18 1909, 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 Live Oak Copper Mining and Smelting Company, known as the LIVE OAK NO.2, LIVE OAK NO.3, LIVE OAK NO.4, LIVE OAK NO.5, situate in Globe Mining District, Gila County, Arizona, in Section 26 approx., Township No. 1 N, Range No. 14 E unsurveyed, and designated as Survey No. 2684, 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 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.

Howard T. Wayne
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Howard T. Wayne
U. S. Mineral Surveyor, before me C. M. Thorsen a
Notary Public this 26th
day of July, 1909

my commission expires May 27/13

C. M. Thorsen
Notary Public

Affidavit of Five Hundred Dollars Improvements.

We, J. M. Richards and Frank Carter,

of lawful age, being first duly sworn according to law, depose and say: That we are

acquainted with the LIVE OAK NO.2, LIVE OAK NO.3  
LIVE OAK NO.4, LIVE OAK NO.5 mining claim,

situate in Globe Mining district, Gila County,

Arizona Territory, for which Copper  
Live Oak Mining and Smelting Company

has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and its grantors exceed Five Hundred Dollars in value for each claim, and further that we are not personally interested in said mine.

J. M. Richards  
Frank Carter

TERRITORY OF ARIZONA, }  
County of Gila } ss:

Sworn to and subscribed before me, this 28th

day of July, 1907

F. J. E. ...  
Notary Public



NOTICE OF MINING LOCATION.

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Live Oak No 3 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 Geo. F. Wilson and J. B. Newman, citizens of the United States the undersigned on the 17th day of June 1908.

The length of this claim is 1500.0 feet and we claim 494.0 feet in a N. 09°27' E. direction and 1006.0 feet in a S. 09°27' W. direction, from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300.0 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 north to the south.

The claim is situated and located in the Globe Mining District, in Gila County in the Territory of Arizona, about 2 1/2 miles in a S. W. direction from Black Warrior and lies west of the Live Oak and North of the Live Oak No 2 claims. The S. W. corner of Section 30 T. 1 M R 15 E G & S R B&M bears approximately S 76°00' E. 952.0 feet from the S. W. Corner.

The surface boundaries of the claim are marked upon the ground as follows; beginning at a monument of stone at a point in a N 09° 27' E. direction 494.0 feet from the discovery shaft ( at which this notice is posted) being in the center of the north end line of said claim, thence N 80° 04' W. 300.0 feet to a post in a monument being the N. W. corner of said claim; thence S. 09°27' W. 1500.0 feet to a post in a monument being at the S. W. corner of said claim; thence S. 80°04' E. 300.0 feet to a monument of stones at the center of the South end of said claim; thence S 80° 04' E. 300.0 feet to a post in a monument being at the S. E. corner of said claim, thence N 09°27' E 1500.0 feet to a post in a monument at the N E corner of said claim; thence N 80° 04' W. 300.0 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 Live Oak No 3 Mining Claim, located by Frank Carter on the 18th day of April 1906, and recorded in Book 12 of Records of Mines, at page 135 in the office of the County Recorder of the aforesaid County of Gila 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 17th day of June 1908.

Witness

H. H. Huffer

J. W. Bandhauer

Geo. F. Wilson 1/2 interest

J. B. Newman 1/2 interest

Filed and recorded at the request of J. W. Bandhauer at 30 minutes past 4 o'clock P. M. on the 18 day of June A. D. 1908.

E. T. Stewart,

County Recorder.

TERRITORY OF ARIZONA, }  
COUNTY OF GILA } ss.

I. E. T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing contain and constitute a full, true and correct copy of

Amended Location Notice of Live Oak No 3 Mining Claim.

as the same appears of record in my office in Book 15 Records of Mines.

at page 181; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 14th day of

June A. D. 1909.

*E. T. Stewart*

County Recorder, Gila County, A. T.

AMENDED

NOTICE OF MINING LOCATION.

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Live Oak No.2 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 Geo. F. Wilson and J. B. Newman citizens of the United States, the undersigned, on the 17th day of June 1908.

The length of this claim is 1474.8 feet, and we claim 196.0 feet, in a N 09° 49' E. direction and 1278.8 feet in a S 09° 49' W direction from the center of the discovery cut, at which this notice is posted, lengthwise of the claim, together with 300.0 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 North to the South.

The claim is situated and located in the Globe Mining District, in Gila county, in the Territory of Arizona, about 2 1/2 miles in a S.W. direction from Black Warrior and crosses Live Oak Gulch. The S.W. Corner of section 30 T. 1 N.R. 15E. G.&S. R.B.&M. bears approximately S. 76° 00' E. 9520 feet from the N. W. Corner.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a N. 09° 29' E. direction 196.0 feet from the discovery cut (at which this notice is posted), being in the center of the north end line of said claim; thence N. 80° 04' W. 300.0 feet to a post in a monument being the N. W. corner of said claim, thence S. 09° 49' W. 1474.8 feet to a post in a monument, being at the S. W. corner of said claim; thence S. 80° 04' E. 300.0 feet to a monument of stone at the center of the South end of said claim; thence S. 80° 04' E. 300.0 feet to a post in a monument, being at the S. E. corner of said claim, thence N. 09° 49' E. 1474.8 feet to a post in a monument at the N. E. corner of said claim; thence N. 80° 04' W. 300.0 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXX11, 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 Live Oak No. 2 Mining Claim, located by Frank Carter on the 18th day of April 1906, and recorded in Book 12 of Records of Mines, at page 134, in the office of the County Recorder of the aforesaid County of Gila 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 17th day of June 1908.

Witness:

H. H. Huffer  
J. W. Bandhauer

Geo. F. Wilson 1/2 interest  
J. B. Newman 1/2 interest

Filed and recorded at the request of J. W. Bandhauer at 30 minutes past 4 o'clock P. M. on the 18 day of June A. D. 1908.

E. T. Stewart  
County Recorder.

TERRITORY OF ARIZONA, }  
COUNTY OF GILA } ss.

I, E. T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing contain and constitute a full, true and correct copy of

Amended Location Notice of the Live Oak No 2 Mining Claim.

as the same appears of record in my office in Book 15 Records Of Mines.

at page 180; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 14th day of

June A. D. 1909

*E. T. Stewart*  
County Recorder, Gila County, A. T.

NOTICE OF MINING LOCATION.

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Live Oak No 4 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 Geo. F. Wilson and J. B. Newman citizens of the United States, the undersigned on the 17th day of June 1908.

The length of this claim is 1500.0 feet and we claim 993.0 feet in a N 09°27' E. direction and 507.0 feet in a S 09°27' W. direction from the center of the discovery cut at which this notice is posted, lengthwise of the claim, together with 300.0 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode and premises is from the North to the South.

The claim is situated and located in the Globe Mining District, in Gila county, in the Territory of Arizona, about 2 1/2 miles in a S. W. direction from Black Warrior and lies betw en the Gila Monster No 1 and 2 and the Live Oak No 3 claims. The S. W. corner of Section 30 T. 1 N.R. 15 E. G&S R B&M bears approximately S. 76°00' E. 9520 feet from the S. E. Corner.

The surface boundaries of the claim are marked upon the ground as follows; Beginning at a monument of stone at a point in a N 09°27' E. direction 993.0 feet from the discovery cut (at which this notice is posted) being in the center of the north end line of said claim; thence N 80° 04' W. 300.0 feet to a post in a monument being the N. W. corner of said claim, thence S. 09° 27' W. 1500.0 feet to a post in a monument being at the S. W. corner of said claim; thence S. 80°04' E. 300.0 feet to a monument of stone at the center of the South end of said claim. thence S. 80° 04' E. 300.0 feet to a post in a monument being at the S. E. corner of said claim; thence N. 09° 27' E 1500.0 feet to a post in a monument at the N. E. corner of said claim; thence N 80° 04' W. 300.0 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 Live Oak No 4 Mining Claim, located by Frank Carter on the 18th day of April 1906, and recorded in Book 12 of records of Mines at page 136, in the office of the County Recorder of the aforesaid County of Gila 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 17th day of June 1908.

Witness

H. H. Huffer  
J. W. Bandhauer

Geo. F. Wilson 1/2 interest  
J. B. Newman 1/2 interest

Filed and recorded at the request of J. W. Bandhauer at 30 minutes past 4 o'clock P. M. on the 18 day of June A. D. 1908.

E. T. Stewart,

County Recorder.

TERRITORY OF ARIZONA, }  
COUNTY OF GILA } ss.

I. E. T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing contain and constitute a full, true and correct copy of

Amended Location Notice of the Live Oak No 4, Mining Claim.

as the same appears of record in my office in Book 15 Records of Mines

at page 182; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 17th day of

June A. D. 1908

*E. T. Stewart*

County Recorder, Gila County, A. T.

NOTICE OF MINING LOCATION.

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim the name of which is the Live Oak No 5 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 Geo. F. Wilson and J. B. Newman citizens of the United States the undersigned on the 17th day of June 1908

The length of this claim is 1353.0 feet, and we claim 6.0 feet in a S. 69°08' E. direction and 1347.0 feet in a N. 69°08' W. direction from the center of discovery cut at which this notice is posted lengthwise of the claim, together with 294.4 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 S. E. to the N. W.

The claim is situated and located in the Globe Mining District, in Gila County, in the Territory of Arizona, about 2 1/2 miles in a S. W. direction from Black Warrior and lies west of the Live Oak No 2 and laps the south end of Live Oak No 4 The S. W. corner of Section 30 T. 1 N. R. 15 E G. & S. R. B&M bears approximately S 70° 00' E. 9520 feet from the N.E corner.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at monument of stone at a point in a S. 69° 08' E, direction 6.0 feet from the discovery cut (at which this notice is posted) being in the center of the S. E. end line of said claim; thence N. 09° 49' E. 300.0 feet to a post in a monument being the N. E. corner of said claim; thence N. 69° 08' W. 1353.0 feet to a post in a monument being at the N. W. corner of said claim; thence S. 09° 49' W 300.0 feet to a monument of stone at the center of the N, W end of said claim; thence S. 09° 49' W. 300.0 feet to a post in a monument being at the S. W. corner of said claim; thence S. 69° 08' E. 1353.0 feet to a post in a monument at the S. E. corner of said claim; thence N. 09° 49' E. 300.0 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXXI, 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 Live Oak No 5 Mining Claim located by Frank Carter on the 18th day of April 1906, and recorded in Book 12 of Records of Mines, at page 137, in the office of the County Recorder of the aforesaid County of Gila to which reference is hereby made and this amended Location Notice is made to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 17th day of June 1908.

Witness

H. H. Huffer  
J. W. Bandhauer

Geo. F. Wilson 1/2 interest  
J. B. Newman 1/2 interest

Filed and recorded at the request of J. W. Bandhauer at 30 minutes past 4 o'clock P. M. on the 18 day of June A. D. 1908.

E. T. Stewart,  
County Recorder.

TERRITORY OF ARIZONA, }  
COUNTY OF GILA } ss.

I. E. T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing contain and constitute a full, true and correct copy of

Amended Location Notice of the Live Oak No 5 Mining Claim.

as the same appears of record in my office in Book 15 Records of Mines

at page 183; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 17th day of

June A. D. 1908,

*E. T. Stewart*

County Recorder, Gila County, A. T.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

September 30, 1909.

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 LIVE OAK COPPER MINING AND SMELTING COMPANY

known as the LIVE OAK NO. 2, LIVE OAK NO. 3, LIVE OAK NO. 4, LIVE OAK NO. 5.

situate in GLOBE

Mining District, GILA County, ARIZONA

in Section APPROX. 26, Township No. 1 N., Range No. 14 E., Unsur., and

designated as Survey No. 2684, 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 each of said mining claims by claimant or its grantors, and that said improvements consist of 14 tunnels, 3 cuts and 1 shaft, total value \$3020.00

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.

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,

September 30, 1909.

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

LIVE OAK COPPER MINING AND SMELTING COMPANY

known as the

LIVE OAK NO. 2, LIVE OAK NO. 3, LIVE OAK NO. 4, LIVE OAK NO. 5.

situate in GLOBE mining district,

GILA County, ARIZONA

in Section Approx. 26, Township No. 1 N., Range No. 14 E., Unsur.

designated as Survey No. 2684

executed by Howard T. Wayne, U. S. Deputy Mineral

Surveyor, June 26-July 2, 1909, under my instructions dated

June 18, 1909, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

*Frank D. Ingalls*

U. S. Surveyor-General for Arizona.