

4-683

1

MINERAL SURVEY No. 4026

LOT No. ~~4026~~

ARIZONA. Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Mary P. O'Brien, administratrix Estate of F. X. O'Brien deceased.

KNOWN AS THE

Harvard, Copper Hill Mine, Copper Hill No. 2 lodes.

Black Rock Mining District,

Yavapai County, Arizona.

Sections 4 and 9, Township 8 N., Range 3 W., Unsur.

Surveyed under instructions dated Oct. 22, 1926

by J. WILLIAM WAARA U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced Nov. 3, 1926

Survey completed Nov. 23, 1926

Address of claimant Mary P. O'Brien, administratrix, Wickenburg Arizona.

DATES OF AMENDED LOCATIONS.

Feet

## MINERAL SURVEY NO. 4026

HARVARD Lode.

Beginning at Cor. No.1 situated on line 1-2 Copper Nely lode Sur. No. 4025, N.26°-16'W. 1000.1 ft. from Cor. No.2 (~~and 881.2 feet from its intersection with line 3-4 of this lode~~) a granite stone 4x6x24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled H 1 4026 with cross on top for exact corner point, whence,

U.S.L.M. No. 1623 Black Rock Mining District, brs. N. 6°-18'W. 3954.4 feet.

A granite reef 6x8x3 feet exposed and chiseled BxR H 1 4026 brs. N.8°-58'W. 51.3 feet.

Thence S.69°-09'-30"E.

1499.0 TO COR. NO. 2 identical with Cor. Nos. 1 Copper Hill Mine lode and 4 Copper Hill No.2 lode, a granite stone 6x12x24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled H 2, C H M 1. C H 2<sup>a</sup>-4026 with cross on top for exact corner point, whence,

A granite rock in place 6x6x6 feet exposed and chiseled BxR H 2 4026 brs. S.7°-34'E. 44.5 ft.

Thence S.21°-30'W.

300.0 SOUTHEAST CENTER END, a mound of stone., identical with northwest center end Copper Hill Mine Lode of this survey.

570.0 Cross old road brs. southeast to northwest.

600.0 TO COR. NO.3 identical with Cor. No.4 Copper Hill Mine lode of this survey, a granite stone 8x10x26 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled CHM 4 4026 H 3, with cross on top for exact corner point, whence,

A granite rock in place 2x2x1 foot exposed and chiseled BxR C H M 4 4026 brs. S. 78°-22'W. 28.7 ft.

Thence N.69°-10'W.

600.0 Cross old road brs. east to west.

846.6 Intersect line 1-2 Copper Nely lode Sur. No. 4025, N.26°-

- 16'W. 118.9 feet from Cor. No.2
- 1499.0 TO COR. NO.4, a granite stone 6x8x24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled H 4 4026 with cross on top for exact corner point.
- No bearings available.
- Thence N. 21°-30'E
- 299.9 NORTHWEST CENTER END, a mound of stone.
- 599.9 TO THE PLACE OF BEGINNING All corners are identical with their respective locations. Variation at all corners 14°-30'E.
- COPPER HILL MINE Lode. Beginning at Cor. No.1, identical with Cor. No. 2 Harvard lode and Cor.No.4 Copper Hill No.2 lode both of this survey, previously described, whence;
- U.S.L.M.No . 1623 brs. N. 22-21'W. 4825.6 feet.
- Thence S.58°-00'E.
- 1438.3 Intersect line 3-4 Mountain Chief lode Sur. No. 1536, N. 36°-00'E. 427.8 feet from Cor. No.3
- 1483.5 Witness Corner to Cor.No.2 of this lode and Cor. No.3 Copper Hill No.2 lode both of this survey.hereafter described.
- 1497.3 Point for Cor.No.3 Copper Hill No.2 lode of this survey, hereafter described.
- 1498.9 TO POINT FOR COR. NO.2 where it was impracticable to set a stone for corner due to point falling on old road, so I established a witness corner N.58°-00'W. 15.4 feet, said witness corner to serve as a witness cor for Cor. No.3 Copper HillNo.2 lode for like reason, a granite stone 8x8x26 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled W C C H M 2, C H 2 3 4026 with cross on top for exact corner point.
- No bearings available.
- Cor.No.3 Mountain Chief lode Sur. No. 1536 brs.

S.43°-58'W. 436.2 feet.

Thence S.21°-30'W.(from true Cor.)

15.0 Leave old road brs. west.

305.3 SOUTHEAST CENTER END, a mound of stone.

446.2 Intersect line 2-3 Mountain Chief lode Sur. No. 1536, S.54°-00'E. 172.2 feet. from Cor. No.3.

539.8 A point from which U.S.L.M.No.1477 brs.(approximately) S.5°-47'E.

603.2 Witness cor. to Cor. No.3. hereafter described.

610.6 TO POINT FOR COR,NO.3 where it was impracticable to set a stone for corner due to bed rock so I established a witness corner N.21°-30'E. 7.4 feet, a granite outcropping, 2x2x1 foot exposed with a substantial mound of stone alongside; chiseled W C C H M 3 4026 with cross for exact corner point.

A granite outcropping 6x10x6 feet exposed and chiseled BxR C H M 3 4026 brs. S.28°-25'E. 43.4 feet.(from true cor.)

Cor.No.3 Mountain Chief lode Sur.No.1536 brs.

N.17°-17'W. 266.2 feet. from true Cor.

Thence S.57°-36'W. from true Cor.

1500.0 TO COR. NO.4 identical with Cor. No.3 Harvard lode of this survey, previously described.

Thence N.21°-30'E.

30.0 Cross old road brs. northwest.

300.0 NORTHWEST CENTER END, a mound of stone.

600.0 TO THE PLACE OF BEGINNING. All corners are identical with their respective locations. Variation at all corners 14°-30'E.

COPPER HILL NO.2 lode.

Beginning at Cor. No.1, a granite stone 4x12x26 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled C H 2 1 4026 with cross on top for exact corner point, whence,

A granite rock in place 4x10x4 feet exposed and chiseled BxR C H 2 4026 brs: S.42°-48'E. 55.0 ft.

U.S.L.M.No. 1623 brs. N.  $27^{\circ}-36'W.$  4645.7 feet.

Thence S.  $55^{\circ}-29'-30''E.$

- 1381.7 Intersect line 3-4 Mountain Chief lode Sur. No. 1536 N.  $36^{\circ}-00'E.$  831.3 feet from Cor. No. 3 ~~and 405.5 feet from its intersection with line 1-2 Copper Hill Mine lode, identical with line 3-4 of this lode.~~
- 1460 Cross old road brs. northeast to southwest.
- 1486.6 TO POINT FOR COR. NO. 2 where it was impracticable to set a stone for corner due to bedrock, so I established a witness corner S.  $42^{\circ}-32'W.$  4.5 feet, a quartzite stone 8x8x26 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled W C C H 2 4026 with cross on top for exact corner point.
- No bearings available.
- Thence S.  $42^{\circ}-32'W.$  (from true cor.)
- 4.5 Witness corner to Cor. No. 2 previously described.
- 300.0 SOUTHEAST CENTER END, a mound of stone.
- 375.0 Enter road, brs northeast to southwest.
- 404.6 TO POINT FOR COR. NO. 3, situated on line 1-2 Copper Hill Mine lode of this survey, N.  $58^{\circ}-00'W.$  1.6 ft. from Cor. No. 2, where it was impracticable to set a stone for corner due to point falling on old road so I established a witness corner N.  $58^{\circ}-00'W.$  13.8 feet identical with witness corner to cor. No. 2 Copper Hill Mine lode of this survey, previously described.
- Thence N.  $58^{\circ}-00'W.$  (from true cor.)
- 5.0 leave old road. brs northwest to southeast.
- 12.8 Witness cor to Cor. No. 3 this lode identical with witness corner for Cor. No. 2 Copper Hill Mine lode, previously described.
- 59.0 Intersect line 3-4 Mountain Chief lode Sur. No. 1536, N.  $36^{\circ}-00'E.$  427.8 ft from Cor. No. 3.
- 1497.3 TO COR. NO. 4 identical with Cor. No. 1 Copper Hill Mine lode and Cor. No. 2 Harvard lode both of this survey, previously described.

Thence N.  $42^{\circ}-32'E.$

170.8 NORTHWEST CENTER END, Amount of stone.  
 470.8 TO THE PLACE OF BEGINNING. All corners are identical with their respective locations. Variation at all corners 14° 30'E.

LODE LINES.

As near as can be determined from the present developments, the veins on the respective lodes extend as follows from their discoveries.:

HARVARD Lode.

N. 69°-09'-30"W. 634 feet and S. 69°-09'-30"E. 865.0 ft.

COPPER HILL MINE Lode

N. 57°-48'W. 769.8 ft and S. 57°-48'E. 730.0 ft.

COPPER HILL NO. 2 lode

N. 55°-29'-30"W. 1106.6 feet and S. 55°-29'-30"E. 380.0 ft

AREAS

HARVARD LODE	Acres	Acres
Total area - - - - -		20.644
Area in conflict with Copper Neley lode Sur.No.4025	4.492	
COPPER HILL MINE Lode		
Total area - - - - -		20.479
Area in conflict with Mountain Chief lode Sur. No. 1536	1.151	
COPPER HILL NO. 2 lode		
Total area - - - - -		14.791
Area in conflict with Mountain Chief lode Sur.No.1536	0.755	

LOCATION

This survey is located approximately in sections 4 and 9, T.8 N.R.3 W. unsurveyed, Gila and Salt River Base and Meridian, in the Black Rock Mining District, Yavapai County State of Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I hereby certify that the value of the labor and improvements made upon or for the benefit of the several locations embraced in this survey, by the claimant

or thier grantors is not less than five hundred dollars,  
and that said improvements consist of:

HARVARD Lode

No.1 Discovery cut the face of, which hrs.  
N.69°-9'-30"W. 865 feet from the southeast center end,  
cut 4x18x11 foot face hrs. northeast.

Value \$100.00

No.2 a shaft, the center of which hrs.  
S.87°-20'W. 780 feet from Cor. No.2, 4x6x10 feet deep.

Value \$100.00

No.3, a shaft, the center of which hrs.  
S.37°-15'W. 315 feet from Cor. No.2, 4x6x100 feet deep,  
estimated.

Value \$1000.00

No.4, a cut and tunnel, the mouth of cut hrs.  
S35°-30'E. 610 feet from Cor. No.1, cut 4x20x10 foot face,  
tunnel 4x6<sup>ft.</sup> running southeast 48 feet to fork, thence  
same course 52 feet, also east 24.0 ft. having a total  
length of 124 feet.

Value \$1350.00

No.5 a cut and tunnel, the mouth of cut hrs.  
S.35°-30'E. 580 feet from Cor. No.1, cut 4x15x10 foot  
face, tunnel 4x6<sup>ft.</sup> running northeast 40 feet to fork,  
whence drift hrs southeast 63 feet, thence from fork north-  
east, 23 feet, thence southeast 32 feet, having a total  
length of 158 feet.

Value \$1700.00

COPPER HILL MINE Lode.

No.1 discovery cut, the face of which hrs.  
S.57°-48'E. 769.8 feet from northwest center end, 4x16x  
10 foot face, hrs. southwest.

Value \$100.00

No.2 a cut and tunnel, the mouth of cut hrs.  
N.82°-50'W. 628 feet from Cor. No.2, cut 4x15x10 foot  
face, tunnel 4x6x50 feet hrs. southwest.

Value \$600.00

No.3, cut and tunnel, the mouth of cut hrs.  
N.76°W. 608 feet from Cor. No.2, cut 4x18x10 foot face,  
tunnel 4x6 running northwest 30 feet to fork, thence

west 38 feet, also north 20 feet, having a total length of 88 feet.

Value \$1000.00

No.4, cut and tunnel, the mouth of cut brs. N.78°-50'W. 594 feet from Cor. No.2, cut 4x25x12 foot face, tunnel 4x6 running northwest 56 feet to fork, thence west 17.0feet also north 37 feet. having a total length of 110 feet.

Value \$1200.00

No.5 cut and tunnel, also shaft, the mouth of cut brs. S.28°-30'E. 510 feet, <sup>from Cor. No.1,</sup> cut 4x18x10 foot face, tunnel 4x6 running southeast 50 feet to upraise to surface 4x6x20 feet and winze 4x6x70 feet estimated, thence same course 50 feet to face, having a total length of tunnel <sup>(or raise & winze)</sup> 100 feet and depth of shaft (from surface) of 100 feet.

Value cut tunnel \$1100.00  
Shaft 1000.00

No.6 a shaft, the center of which brs. S.21°-50'E. 300 feet from Cor. No.1, 4x6x12 feet deep.

Value \$120.00

No.7 a shaft, 4x6x15 feet deep, the center of which brs. S.6°-40'E. 320 feet from Cor. No.1.

Value \$150.00

#### COPPER HILL NO.2 lode

No.1 Discovery shaft, the center of which brs. N.55°-29'-30"W. 380 feet from southeast center end, 4x6x40 feet deep, estimated.

Value \$400.00

No.2 a cut, the face of which brs. N.42°W. 350 feet from Cor. No.3, 4x13x8 foot face, brs. southeast.

Value \$80.00

No.3 a cut and tunnel, the mouth of cut brs. N.42°W. 415 feet from Cor. No.3, cut 4x18x10 foot face, tunnel 4x6 running southwest 36 feet to fork, thence south 10 feet, also west 38 feet thence south at 15 feet winze, depth unknown, 26 feet to face., having a total length of tunnel of 110 feet.

Value \$1200.00



## OTHER IMPROVEMENTS.

None.

## ADJOINING CLAIMS

This survey is bounded on the east by the Mountain Chief lode Sur. No. 1536, Ezra W. Thayer claimant, on the south by the Louise lode, J.W. Band Hauer claimant, and U.S. Land, on the west by the Copper Meley lode Sur. No. 4025, Estate of F.X. O'Brien, and Ezra W. Thayer claimants, on the north by the Maybelle and Copper Hill No. 3 lodes, J.W. Bandhauer claimant, Mountain View lode Monte Cristo Mining and Milling Company, claimant, and by U.S. Land.

## INSTRUMENT

This survey was made with a Lietz Light Mountain transit No. 5905. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 500 foot steel tape.

## REPORT

U.S.L.M. No. 1623 is a post properly set and scribed as shown by the calls in the field notes of said monument.

Mineral Survey No. 1536.

All the corners adjoining this survey are stones properly set and chiseled with the number of the corner and survey.

Mineral Survey No. 4025.

All corners adjoining this survey are stones properly set and chiseled with the number of the corner and survey.

The discrepancies found existing between the claims as marked by the location monuments, <sup>and</sup> as described by the location notices are due to errors in the latter.

Owing to the fact that a Notary Public was not available and to avoid delays and expense to obtain an acknowledgment of my assistants in filling out Final

Oath for Surveys, I took the acknowledgment of my assistants.

*William Wason*  
J. S. MINERAL SURVEYOR

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by J. William Waara  
 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 \_\_\_\_\_  
 \_\_\_\_\_ <sup>deceased</sup>  
Mary P.O'Brien administratrix of the Estate of F.X.O'Brien  
 known as the Harvard, Conper Hill Mine, and Conper Hill No.2 lodes  
 and showing the respective capacities in which they acted.

\_\_\_\_\_Albert E. Parrett\_\_\_\_\_, Chainman.

\_\_\_\_\_V.H. LeMay\_\_\_\_\_, Chainman.

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

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

## FINAL OATHS OF ASSISTANTS.

We, Albert E. Parrett  
 and V.H. LeMay, do solemnly swear that we assisted J. William  
Waara, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Mary P.O'Brien, administratrix of the Estate  
of F.X.O'Brien deceased.  
 known as the Harvard, Conper Hill Mine and Conper Hill No.2 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 instruc-  
 tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.  
~~United States Surveyor-General for~~

Albert E. Parrett, Chainman.

V.H. LeMay, Chainman.

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

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

Subscribed and sworn to by the above-named persons before me this 23 rd.

day of November, 19 26

J. William Waara  
 U.S. MINERAL SURVEYOR

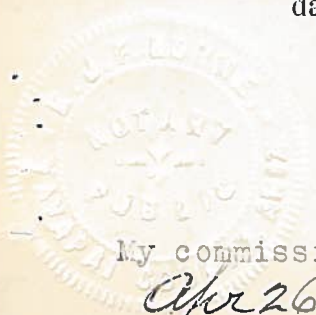
FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, J. William Waara, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United Office Cadastral Engineer at Phoenix Arizona. States Surveyor General for Oct. 22, 1926, dated Oct. 22, 1926, 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 Mary P. O'Brien administratrix Estate of F. X. O'Brien deceased, known as the Harvard, Copper Hill Mine and Copper Hill No. 2 lodes, situate in Black Rock Mining District, Yavapai County, Arizona, in Sections 4 & 9, Township No. 8 N., Range No. 3 W. unsurveyed, and designated as Survey No. 4026, 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 his 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.

J. William Waara  
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said J. William Waara,  
U. S. ~~Deputy~~ Mineral Surveyor, before me \_\_\_\_\_  
this 8th  
day of January 1927,

E. J. Horne  
Notary Public



My commission expires.  
Apr 26 1927

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

Department of the Interior,

~~OFFICE OF U. S. SURVEYOR GENERAL,~~

Phoenix, Arizona

February 14, 1927.

I, ~~U. S. Surveyor General for~~ Office Cadastral Engineer

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Mary P. O'Brien, Administratrix of the Estate of F. X. O'Brien, Deceased

known as the HARVARD, COPPER HILL MINE, COPPER HILL NO. 2 lodes

situate in Black Rock

Mining District, Yavapai County, Arizona

in Section 4 & 9, Township No. 8 N., Range No. 3 W., Unsur., and

designated as Survey No. 4026, 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 improved each of  
ments made upon said mining claim by claimant or her grantors, and that said improvements consist of 6 shafts, 10 cuts, 7 tunnels, 2 winzes, 1 drift and 1  
raise, total value \$11,200.

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.

John D. Adams

Office Cadastral Engineer

~~United States Surveyor General for~~

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

DEPARTMENT OF THE INTERIOR  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

February 14, 1927.

I, Office Cadastral Engineer at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of \_\_\_\_\_

Mary P. O'Brien, Administratrix of the Estate of F.X. O'Brien, Deceased,

\_\_\_\_\_, known as the

HARVARD, COPPER HILL MINE, and COPPER HILL NO. 2 lodes

situate in Black Rock mining district,

Yavapai County, Arizona

in Section S 4 & 9, Township No. 8 N., Range No. 3 W., Unsur.

\_\_\_\_\_, designated as Survey No. 4026

executed by J. William Waara, U. S. Mineral

Surveyor, November 3 - 23, 1926, under my instructions dated

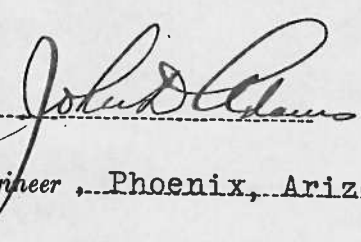
October 22, 1926, have been critically examined and the necessary

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

are hereby approved. 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.

  
\_\_\_\_\_  
Office Cadastral Engineer, Phoenix, Arizona

Prescott, Arizona,  
July 27, 1927.

District Cadastral Engineer,  
Phoenix, Arizona.

Dear Sir;

Referring to your letter of the 18th  
inst. Harvard et al lodes, Sur. No. 4026.

During the progress of this survey, two  
corners were established for Cor. No. 3 Harvard  
and Cor. No. 4 Copper Hill Mine. In making my cal-  
culations for the width of the claims, I noted that  
Cor. No. 4 Copper Hill Mine was too far out, and  
this resulted in assuming Cor. No. 3 Harvard for a  
common corner with said Cor. No. 4 Copper Hill Mine.  
My assistant was instructed to proceed to the locus  
of these corners, destroy the stone marked CHM 4-4026,  
and mark the stone H 3 4026 with the additional mark-  
ings CHM4. It is evident, without further examina-  
tion, that my instructions had not be followed out.

I wish to report now that Cor. Stone No.  
CHM 4-4026 as referred to in Mr. Kinderman's report  
has been destroyed, and that Cor. 3 Harvard has been  
scribed with the additional markings CHM4, thus making  
conditions on the ground to comply with my return as  
reported.

Very respectfully,

J. William Waara

U. S. Mineral Surveyor

*Kinderman's Sur. 4039 reports Sur. 4026 in error.  
Waara called upon for exam. & report 7-18-27  
Waara reports corr. made*

*Orig. filed with letters*