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APR - 4 1923

MINERAL SURVEY No. 3865

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

TILLIE STARBUCK MINES COMPANY

KNOWN AS THE

LITTLE ROSS and KATHARINE Lodes

HASSAYAMPA Mining District,

YAVAPAI County, ARIZONA

Approx. Sections 2-3-10-11, Township 12 N., Range 2 W. unsurveyed

Surveyed under instructions dated Sept. 12, 19 22

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

Claim located SEE LOCATION NOTICES, 19

Survey commenced Sept. 18, 19 22

Survey completed Sept. 22, 19 22

Address of claimant Howard Cornick, Attorney for Claimant. Prescott Arizona.

DATES OF AMENDED LOCATIONS.

Feet.

MINERAL SURVEY NO. 3865

LITTLE ROSS lode.

Beginning at corner No.1, a boulder 1 x 1 x 0.5 feet exposed with a substantial mound of stone alongside; chiseled L R 1 3865 with cross on top for exact corner point, whence

U.S.L.M. No. 1691 Hassayampa District, brs. N.13°-31'W. 551.4 feet.

Thence S.54°-46'E.

✓ 303.0 NORTH CENTER END, a mound of stone.

✓ 606.0 TO COR. NO.2, a shist stone 4 x 8 x 22 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled L R 2 3865 with cross on top for exact corner point, whence,

A shist reef 2 x 2 x 0.5 feet exposed and chiseled BxR L R 2 3865, brs. S.39°-48'E. 18.5 feet.

Thence S. 43°-24'W.

352.5 Intersect line 1-5 Arctic lode Sur.No.3347, S.45°-43'E. 87.8 feet from Cor. No.1, said point of intersection being
Lot No.44
Cor.No.3 Plevnalode, a stone properly set.

514.05 Intersect line 1-2 Katharine lode of this survey, S.13°-54'W. 1.25 feet from the point for Cor.No.1 of said lode.

514.1 Intersect line 1-2 Arctic lode Sur.No.3347, S.15°-05'W. 185.1 feet from Cor. No.1

1499.5 TO COR. NO.3, a granite stone 6 x 12 x 24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled L R 3 3865 with cross on top for exact corner point, whence,

A pine tree twelve inches in diameter and scribed BxT L R 3 3865, brs. S.66°-23'E. 14.1 feet.

Thence N.54°-46'W.

✓ 300.3 SOUTH CENTER END, A substantial mound of stone.

603.3 TO COR. NO.4, a granite stone 4 x 8 x 24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled L R 4 3865 with cross on top

for exact corner point, whence,

A pine tree 24 inches in diameter and scribed BxT
L R 4 3865 brs. S.88°-00'E. 11.5 feet.

Thence N.43°-30'E.

1499.5 TO THE PLACE OF BEGINNING. All corners are identical with
their respective locations. variation at all corners
14°-30'E.

KATHARINE lode.

Beginning at the point for Cor.No.1, ^{on line 1-2 Arctic lode}
^{and N.15°05'E. 137.5 ft. from Cor.No.2}
Sur.No.3347 S.15°-05'W.183.8 ft.from Cor.No.1 where it was
impracticable to set a stone for corner due to the fact

that said point fell on a mine dump, so I established
a witness corner S.43°-22'W. 78.1 feet, a granite stone
8 x 12 x 30 inches long set twelve inches in the ground
with a substantial mound of stone alongside; chiseled
W C K 1 3865 with cross on top for exact corner point,
whence (from witness corner)

A maple tree ten inches in diameter and scribed
BxT K 1 3865, brs. S. 30°-44'W. 49.8 feet.

From true corner point, U.S.L.M. No. 1691 brs.
N.13°-10'W. 1287.3 feet.

Thence S.13°-54'W. (from true cor.)

1.25 Intersect line 2-3 Little Ross lode of this survey,
N.43°-24'E. 985.45 feet from Cor. No.3.

1332.6 Intersect line 2-3 Arctic lode identical with line 1-4
Corcoran lode both Sur.No. 3347, S.46°-30'E. 31.2 feet
from Cors. No. 2 and 1 respectively.

1497.1 TO COR. NO. 2, a granite stone 6 x 8 x 20 inches long set
twelve inches in the ground with a substantial mound of
stone alongside; chiseled K 2 3865 with cross on top for
exact corner point, whence,

Cor.No.1 Corcoran lode Sur.No. 3347 brs. N.5°-20'E
181.9 feet.

A pine tree 12 inches in diameter and scribed BxT
K 2 3865 brs. S.7°-44'W. 35.1 feet.

1512.15
1838
1513

Thence S.43°-22'W.

8.9 Intersect line 1-2 Corcoran lode Sur.No. 3347, S.7°-00'W.
189.0 feet from Cor.No.1

597.0 SOUTH CENTER END, a substantial mound of stone.

1193.6 TO COR. NO. 3, a shist stone 8 x 12 x 20 inches long set
twelve inches in the ground with a substantial mound of
stone alongside; chiseled K 3 3865 with cross on top for
exact corner point, whence,

A shist rock in place 4 x 4 x 4 feet exposed and
chiseled BxR K 3 3865 brs. S.36°-55'E. 24.6 feet.

whence N. 13°-54'E.

1497.1 TO COR. NO.4, a granite stone 6 x 12 x 24 inches long set
twelve inches in the ground with a substantial mound of
stone alongside; chiseled K 4 3865 with cross on top for
exact corner point, whence,

A porphyry reef 3 x 3 x 2 feet exposed and chiseled
BxR K 4 3865 brs. N.43°-22'E. 26.6 feet.

Thence N.43°-22'E.

207.1 Cor.No.3 Little Ross lode of this survey, previously
described.

596.6 NORTH CENTER END, a mound of stone
1115.5 Witness corner to Cor.No. 1, previously described.

1193.6 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;

LITTLE ROSS lode

N.43°-20'E. 70 feet and S.43°-20'W 1429.5 feet.

KATHARINE lode

N.13°-54'E. 60 feet and S.13°-54'W. 1437.1 feet.

AREAS

LITTLE ROSS lode

Total area - - - - -	acres	acres
		20.605 ✓
Area in conflict with		
Artic lode Sur.No.3347- - - -	0.163	
Katharine lode this survey- - -	0.007	

KATHARINE lode

total area - - - - -		20.180 ✓
Area in conflict with		
Artic lode Sur.No. 3347 - - - -	0.415 ✓	
Corcoran lode Sur.No.3347- - -	0.063 ✓	
Artic lode Sur.No.3347 less area		
in conflict with Little Ross lode	0.415 ✓	

LOCATION

This survey is located, ^{Approx.} in ~~Sec 23-10-N~~ T.12 N.R.2 W unsur.
 Gila and Salt River base and Meridian, within the
 Prescott National Forest, Hassayampa 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 ^{each of} these locations
 by the claimant or its grantors is less than five hundred
 dollars, and that said improvements consist of;

LITTLE ROSS lode

No.1 Discovery cut, the mouth of which brs. S.43^o-
 20'W. 70 feet from the North Center End, 4x14x10 foot face
 brs. South. Value \$100.00

KATHARINE lode

No.1 Discovery cut, the face of which brs. S.13^o-
 54'W. 60 feet from the North Center End, 4x18x10 foot face
 brs. southeast. Value \$100.00

OTHER IMPROVEMENTS

None.

ADJOINING CLAIMS.

This survey is bounded on the east by the Plevna
 lode lot.No.44, claimant unknown, Artic and Corcoran lodes
 Sur.No.3347, Tillie Starbuck Mines Company, claimant; on
 the south by U.S.Land ;on the west by the Red Ledge lode
 unsurveyed, Tillie Starbuck Mines Company claimant, and
 U.S.Land; and on the north by the Helen and Colonel lodes

unsurveyed, I. D. Sweet and F. Vierthaler, claimants.

INSTRUMENT

This survey was made with a Lietz Light Mountain transit theodolite No. 13-5929. The courses were deflected from the true meridian as determined by direct and Saegmuller Solar observations. The distances were measured with a 500 foot steel tape.

REPORT

U. S. L. M. No. 1691 H. D. is a diorite rock in place 4 x 6 x 4 feet exposed, properly chiseled and monumented.

Sur. No. 3347

All corners adjoining this survey are stones properly set and chiseled with the number of corner and survey. I do not agree with the course/and distance of lines 1-2 and 1-4 Arctic lode of this survey. I do not agree with the ties to U. S. L. M. No 1691

Lot No. 44 Plevna lode

All corners adjoining this survey are stones properly set and chiseled (very indistinctly).

The discrepancies found existing between the claims as marked by the location monuments and as described in the location notices are due to errors in the location notices.

The discrepancies between the lines of this survey and prior approved surveys are due to errors in the latter

William W. W. W.
U. 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
Tillie Starbuck Mines Company.
 known as the Little Ross and Katharine lodes
 and showing the respective capacities in which they acted.

- L. B. White , Chainman.
- R. T. Sloan , Chainman.
- , Axman.
- , Flagman.

FINAL OATHS OF ASSISTANTS.

We, L. B. White
 and R. T. Sloan , 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 Tillie Starbuck Mines Company
 known as the Little Ross and Katharine 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 United States Surveyor-General for Arizona

- L. B. White , Chainman.
- R. T. Sloan , Chainman.
- , Axman.
- , Flagman.

Subscribed and sworn to by the above-named persons before me this 4th
 day of October , 1922

J. C. Bauer
 Notary Public.

My commission expires
Jan 10th, 1925.



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, J. WILLIAM WAARA, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for ARIZONA, dated SEPT. 12, 1922, 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 Tillie Starbuck Mines Company, known as the Katharine and Little Ross lodes, situate in Hassayampa Mining District, Yavapai County, Arizona, in Sections Approx. 2-3-10-11, Township No. 12 N., Range No. 2 W. unsurveyed, and designated as Survey No. 3865, 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.

J. William Waara
U. S. Mineral Surveyor.

Subscribed and sworn to by the said J. William Waara
U. S. Mineral Surveyor, before me
a Notary Public this 12th
day of March, 19 23

E. J. Horne
Notary Public

My commission expires Apr 7, 1923.



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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

May 12, 1923.

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

Tillie Starbuck Mines Company

, known as the LITTLE ROSS and KATHARINE Lodes

, situate in Hassayampa

Mining District, Yavapai County,

Arizona, Approx., in Sections 2, 3, 10, 11, Township No. 12 N,

Range No. 2 W., unsurveyed, and designated as Survey

No. 3865, 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 less than 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, at time of survey, 2 cuts, value \$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.

Frank P. Trott

United States Surveyor General for Arizona.

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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,

May 12, 1923

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

Tillie Starbuck Mines Company

, known as the

LITTLE ROSS and KATHARINE Lodes

situate in Hassayampa mining district,

Yavapai County, Arizona, Approx.

in Sections 2, 3, 10, 11, Township No. 12 N., Range No. 2 W., unsur.,

designated as Survey No. 3865

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

Surveyor, September 18 - 22, 1922, under my instructions dated

September 12, 1922, 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.

[Handwritten signature]

U. S. Surveyor General for Arizona.

Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that Five Hundred Dollars' worth of labor has been expended or
improvements made by claimant or its grantors, ^{or for each of} upon the mining claim ~~of~~
Tillie Starbuck Mines Company

known as the LITTLE ROSS and KATHERINE lodes,
situate in Hassayampa mining district,
Yavapai County, Arizona

in ^{APPROX.} Section s 2, 3, 10, 11 Township No. 12 N., Range No. 2 W., Unsur.;

that said improvements consist of in addition to those reported at
time of survey, 2/6 of the value of a certain tunnel, the other
4/6 of which is apportioned to the Artic, Corcoran, Tillie Starbuck
and Clay Bank lodes, of Sur. No. 3347. Value of said 2/6 interest
\$1208.32.

, and that no portion of said labor or improvements has been
included in the estimate of expenditures upon any other claim. A copy of the report of
J. Wm. Neera, U. S. Deputy Mineral Surveyor, dated
February 5, 1924, 18, is hereto attached.

Charles M. Donohoe
U. S. Surveyor General for Arizona.

Office of U. S. Surveyor General,

Phoenix, Arizona,

February 12, 1924

FEB-9 1924

MINERAL SURVEY NO. 3865

SUPPLEMENTAL REPORT OF IMPROVEMENTS

I hereby certify that the value of labor performed and improvements made upon or for the benefit of the lodes embraced in Mineral Survey No. 3865, by the claimant or its grantors is not less than \$500.00 and that said improvements in addition to that which was reported at the time of making the survey consists of:-

New deep level tunnel

This tunnel has for its portal a point 300 feet lower than the Artic tunnel on the property of the claimant. This tunnel starts on a tract purchased for tunnel and mill site purposes by the claimant, and is appropriated land. The tunnel will be run to intercept the mine workings when extended below the Artic tunnel level, and to develop all veins traversing the property between said points. I consider this improvement, a common improvement of such nature as to redound to the benefit of the claims through which it will eventually pass, and those ~~to~~ lying claims which are their extensions on the vein, namely Little Ross, Katharine, Artic, Corcoran, Willie Starbuck and Clay bank, the last four being included in Survey No. 3347.

Total length to date 145 feet, size 5 x 7 1/2 feet, the portal brs. S.71°W. 465 feet from Cor. No.1 Little Ross lode. The course of the tunnel is S.34°-07'E. and will reach its objective point 2236.5 feet from the portal.

Value on Feb. 5, 1924 \$3625.00

To be credited to the Little Ross lode of this survey is an equal undivided one sixth interest in the above mentioned "Common Improvement"

value 1/6 interest \$604.16

To be credited to the Katharine lode of this survey is an equal undivided one sixth interest in the above mentioned "Common Improvement".

Value 1/6 interest \$604.16

J. William Waara
U. S. Mineral Surveyor

I, J. William Waara, U. S. Mineral Surveyor for the District of Arizona, first being duly sworn, depose and say that the above supplemental ~~map~~ report is true and correct and that the improvements mentioned therein were made and completed subsequent to the survey and prior to the date of the expiration of the publication of the notice of an Application for Patent to the lands embraced within Mineral Survey No. 3865.

J. William Waara
U. S. Mineral Surveyor

Feb. 5, 1924

State of Arizona)
County of Yavapai) ss

Subscribed and sworn to by said J. William Waara, before me a Notary Public in and for the County of Yavapai State of Arizona