

4-683

FEB 12 1921

MINERAL SURVEY No. 3741

MAR. 2, 1921

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF
JOSEPH L HOWELL AND JOHN LAWLER ESTATE

KNOWN AS THE

MUSCAL, 1ST SO. EXT. HILLSIDE and 2ND SO. EXT. HILLSIDE lodes

EUREKA

Mining District,

YAVAPAI

County,

ARIZONA

Section 21, Township 15 N., Range 9 W. (~~Cur.~~ unapproved)

Surveyed under instructions dated Jan. 22, 19 21

by J. WILLIAM WAARA

U. S. Mineral Surveyor.

Claim located SEE LOCATION NOTICES, 19

Survey commenced JAN. 30, 19 21

Survey completed FEB. 4, 19 21

Address of claimant Hammond & Eckert Attys, Box 344
Prescott Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3741

MUSCAL LODGE -

Beginning at Point for Cor. No. 1, where it was impracticable to set a stone for corner due to bed rock, so I established a witness corner N. 76° -23'W. 5.6 feet, a granite reef four feet high with a substantial mound of stone alongside; chiseled W C M 1 3741 with cross on top for exact witness point,

from the true point for corner, U.S.M.M. No. 2 Eureka District brs. N. 6° -31'E. 4066.2 feet.

A granite reef 15 feet exposed and chiseled BxR M 1 3741 brs. N. 13° -37'E. 29.7 ft.

Thence S. 3° -38'W.

951.9 TO COR. NO. 2, identical with the N.E. Cor Prince of Wales lode, unsurveyed, a granite stone 6 x 8 x 12 inches exposed with a substantial mound of stone alongside; chiseled M 2 3741, P.W 1 2361 with cross on top for exact corner point, whence,

A granite boulder 2 x 3 x 2 feet exposed and chiseled BxR M 2 3741, P W 1 2361 brs. S. 14° -19'W. 22.4 feet.

A granite boulder 3 x 2 x 1 foot exposed and chiseled BxR M 2 3741 brs. N. 67° -21'W. 23.4 feet.

Thence N. 76° -23'W.

294.0 North center end Prince of Wales lode, unsurveyed.

295.2 SOUTH CENTER END, a mound of stone

514.61 intersect line 1-2 Comstock lode Sur. No. 2293, S. 1° -00'W. 12.87 feet from Cor. No. 1.

572.63 Intersect line 4-1 Comstock Lode Sur. No. 2293, identical with line 2-3 2Nd SO. EXT Hillside lode of this survey, N. 89° -12'W. 56.62 feet from Cors No. 1 and 2 respectively.

600.8 TO COR. NO. 3 identical with N.W. Cor. Prince of Wales lode, unsurveyed, a malpais rock in place 6 x 12 x 6 inches exposed with a substantial mound of stone alongside; chiseled M 3 3741, P W 4 2361 with cross on top for exact cor-

ner point, whence

A malpais reef five feet exposed and chiseled BxR M 3 3741 brs. S. $73^{\circ}-25'E$. 19.1 feet.

Thence N. $10^{\circ}-00'E$.

936.4 TO COR. NO. 4, identical with Cor. No. 1 2Nd. So. Ext. Hillside lode and Cor. No. 2 1st. So. Ext. Hillside lode, both of this survey, a malpais stone 10 x 12 x 20 inches set twelve inches in the ground with a substantial mound of stone alongside; chiseled M 4, 1-2 S E H 3741, 2-1 S E H with cross on top for exact corner point, whence,

A malpais boulder 2 x 2 x 0.5 feet exposed and chiseled BxR M 4 3741 brs. S. $59^{\circ}-18'E$. 24.15 feet.

A malpais boulder 3 x 4 x 2 feet exposed and chiseled BxR M 4 3741 brs. N. $46^{\circ}-03'E$. 13.9 feet.

Thence S. $76^{\circ}-23'E$.

183.3 NORTH CENTER END, a mound of stone.

472.9 Witness Corner to Cor. No. 1 previously described.

478.5 TO THE PLACE OF BEGINNING. All corners are identical with their respective locations. Variation at all corners $15^{\circ}-00'E$.

1ST. SO. EXT. HILLSIDE LODE

Beginning at Cor. No. 1 identical with Cor. No. 3 Hillside lode Sur. No. 915, a granite stone 8 x 10 x 16 inches exposed with a substantial mound of stone alongside; chiseled 1-1 S E H 3741, H No. 3 with cross on top for exact corner point, whence

U. S. M. M. No. 2 Eureka District brs. N. $23^{\circ}-05'-30''E$. 2713.6 feet.

A cedar tree 12 inches in diameter and scribed BxT H No. 3 brs. N. $79^{\circ}-27'E$. 46.9 feet.

A granite rock in place 4 x 6 x 2 feet exposed and chiseled BxR 1-1 S E H 3741 brs. S. $2^{\circ}-13'W$. 12.8 feet.

Thence S. $5^{\circ}-30'E$.

80 Cross gulch, flows westerly.
156.82 Intersect line 4-5 Contact No. 1 lode Sur. No. 917, S. $85^{\circ}-00'E$. 27.17 feet from Cor. No. 5

1435.3 TO COR. NO. 2, identical with Cor. No. 1 2Nd. So. Ext. Hillside

and Cor. No.4 Muscal lode both of this survey, previously described.

Thence N. 89°-12'W.

- 296.2 SOUTH CENTER END, a mound of stone.
- 297.7 North Center End 2Nd. So. Ext. Hillside lode, a mound of stone.
- 598.0 TO COR. NO.3 identical with Cor. No.4 2Nd. So. Ext. Hillside lode of this survey, a malpais stone 8 x 10 x 24 inches long set twelve inches in the ground with a substantial mound of stone alongside; chiseled 3-1S E H 3741, 4-2 S E H with cross on top for exact corner point, whence
 - A malpais boulder 3 x 2 x 1 foot exposed and chiseled BxR 3-1 S E H 3741 brs. N.51°-00'E. 7.8 feet.
 - A malpais boulder two feet exposed and chiseled BxR 4-2 S E H 3741 brs. S.76°-12'E. 7.7 feet.

Thence N. 5°-30'W.

- 1099.0 ~~South East Cor. No. 3 Resurgam lode, unsurveyed, a mound of stone~~
- 1444.0 TO COR. NO.4 identical with Cor. No.5 Hillside Lode Sur. No. 915, ~~and Cor. No.2 Resurgam lode Sur. No. 3742~~ a ~~shist~~ ^{shist} stone 6 x 20 x 12 inches exposed with a substantial mound of stone alongside; chiseled 4-1 S E H, R2 3742/ 3741, H No.5/with cross on top for exact corner point, whence, the ~~west~~ ^{between} 1/4 cor. ^{sec. 21} Secs. 20, T.15 N.R.9 W, unapproved, brs. S.54°-40'W. 1189.8 ft.
 - A granite boulder 2 x 1 x 0.5 feet exposed and chiseled BxR 4 1 S E H 3741 brs. S.49°-59'E. 12.3 feet.

Thence S.89°-12'E.

- 301.8 TO COR. NO.5 identical with NORTH CENTER END of this lode ^{Corner No. 4} and ~~South Center End~~ of Hillside Lode Sur.No.915, a shist reef two feet exposed with a substantial mound of stone alongside; chiseled 5-1 S E H 3741, H No.4 with cross on top for exact Corner point, whence,
 - No bearings available.

Thence S.87°-32'E.

- 70.0 Cross gulch, flows northwesterly.
- 288.62 Intersect line 5-6 Contact No.1 lode Sur.No.917, N.1°-40'E. 154.13 feet from Cor. No. 5.
- 296.2 TO THE PLACE OF BEGINNING. All corners are identical with

their respective locations. Variation at all corners
15°-00'E.

2 ND. SO. EXT. HILLSIDE LODE.

Beginning at Cor. No.1 identical with Cor. No.2
1st. So. Ext. Hillside lode and Cor. No. 4 Muscal lode, both
of this survey, previously described, whence,

U.S.M.M.No.2 Eureka District, brs. N. 13°-16'-30"E.
4035.3 feet.

Thence S. 4°-50'W.

932.9 TO COR. NO.2, identical with Cor. No.1 Comstock lode Sur.
No. 2293, a malpais stone 10 x 12 x 12 inches exposed
with a substantial mound of stone alongside; chiseled
2-2 S E H-3741, C 1 2293 with cross on top for exact cor-
ner point, whence,

A malpais boulder 6 x 6 x 6 feet exposed and chisel-
ed BxR 2-2 S E H - 3741, C-1-2293 brs. S.83°-42'W. 10.7 ft.

A malpais boulder 3 x 4 x 1 foot exposed and chisel-
ed BxR 2-2 S E H-3741, C 1 2293 brs. N.26°-33'W. 11.9 feet.

Thence N.89°-12'W.

56.62 Intersect line 2-3 Muscal lode of this survey S.76°-23'E.
28.17 feet from Cor. No.3.

300.4 SOUTH CENTER END, a mound of stone, identical with North
center end Comstock lode Sur.No.2293.

600.7 TO COR. NO.3 identical with Cor. No.4 Comstock lode Sur No.
2293, a malpais stone 6 x 10 x 12 inches exposed with
a substantial mound of stone alongside; chiseled 3-2 S E
H 3741, C 4 2293 with cross on top for exact corner point,
whence,

A malpais boulder 2 x 2 x 2 ft exposed and chiseled
BxR 3-2 S E H 3741, C 4 2293, brs. N.51°-48'W. 12.5 ft.

A malpais boulder 2 x 2 x 1 foot exposed and chisel-
ed BxR 3-2 S E H 3741, C 4 2293 brs. N.38°-15'E. 10.5 ft.

Thence N,4°-59'E.

932.9 TO COR. NO.4 identical with Cor. No.3 1st. So. Ext. Hillside
lode of this survey, previously described.

Thence S.89°-12'E.

300.3 NORTH CENTER END, a mound of stone.
 301.8 South Center end 1st. So. Ext. Hillside lode.
 598.0 TO THE PLACE OF BEGINNING. All corners are identical with their respective locations. variation at all corners 15°-00'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.

Muscal lode

S. 2°-38'W. 213 ft. and N. 2°-38'E. 738.9 ft.

1st So. Ext. Hillside lode

N. 5°-30'W. 247.1 ft. and S. 5°-30'E. 1196.9 ft.

2nd So. Ext. Hillside lode.

S. 4°-59'W. 615 ft. and N. 4°-59'E. 317.9 feet.

AREAS

MUSCAL LODE

	Acres	Acres
total area - - - - -		11.577 ✓
Area in conflict with Comstock		
Comstock lode Sur.No. 2293- - -	0.008 ✓	
- 2ND. SO. EXT HILLSIDE LODE, - - -	0.907 ✓	
<small>This survey,</small>		

1ST. SO. EXT. Hillside lode

Total area - - - - -		19.657 ✓
Area in conflict with		
Contact No. 1 lode Sur.No. 917	0.062 ✓	

2ND. SO. EXT. Hillside lode.

Total area - - - - -		12.803 ✓
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LOCATION

This survey is located in sec: 21, T. 15 N. R. 9 W. (survey unapproved) of the Gila and Salt River base and Meridian; Eureka 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 location embraced in said mining claim, by the claimants or their grantors is not less than five hundred dollars, and that said improvements consist of;

MUSCAL Lode

No.1 Discovery shaft, the center of which brs. N.2°-38'E. 313 ft from the south center end, 4 x 6 x 30 ft. deep.

Value \$ 450.00

No.2 a shaft, the center of which brs. N.2°-38'E. 357 ft from the south center end, 4 x 6 x 30 ft deep, caved.

Value \$ 450.00

No.3, a cut, the center of which brs. N. 2° -38'E. 590 ft. from the south center end, 10 x 10 x 10 ft. face

value \$ 100.00

An undivided 1/3 d interest in improvement No.1 1st. So. Ext. Hillside lode of this survey, hereinafter described.

value. \$1828.33

1ST. SO. EXT. HILLSIDE Lode

No.1 discovery tunnel, the mouth of which brs. S.58°-18'W. 127 ft. from Cor. No.1, running thence S.4°-30'W. 151 ft to sta. 1; thence S.4°-40'W. 24 ft to face; also from sta. 1 S.61°-0'W. 121 ft to face; also from sta. 1 S.84°-0'W. 31 ft to sta. 2; thence S.84°-0'W. 184 ft to face, crossing the lode line at 122.3 feet from sta. No.2; also from sta. 2, S.8°-0'W. 37 ft to face; having a total length of 548 ft x 4 x 6.

Value \$5485.00

An undivided 1/3 d interest in improvement No.1 of this lode, above described.

Value \$1828.33

No.2 a cut, the center of which brs. S.56°-18'W. 418 ft. from Cor. No.1 30 x 6 x 8 foot face.

Value \$150.00

No.3 a cut, the center of which brs. S.43°-38'W. 244 ft. from Cor. No.1, 12 x 9 x 7 foot face.

Value \$100.00

2ND. SO. EXT. HILLSIDE Lode

No.1 discovery shaft, the center of which brs. N.4°-59'E. 615 ft. from the south center end, 4 x 6 x 10 ft. deep.

Value \$100.00

An undivided 1/3^d interest in Improvement No.1 1st. So. Ext. Hillside lode of this survey, heretofore described.
 value. \$1828.33

COMMON IMPROVEMENTS

Tunnel No.1 1st. So. Ext. Hillside lode of this survey was run to develop the several locations of this survey. It is situated in a gulch approximately five hundred feet lower than the highest point of this group situated on the west line of the Muscal lode. Drifts and cross cuts run from this tunnel could develop all the veins traversing these claims, and intercept them at greater depths than could be economically done by separate workings on the individual claims. I consider this improvement a common improvement and of such a character as to redound to the benefit of the following lodes of this survey to wit:-

- Muscal lode,
- 1st. So. Ext. Hillside lode
- 2nd So. Ext. Hillside lode

Total value of the common improvement heretofore described. value \$5485.00

Equal undivided 1/3rd interest in the above mentioned improvement Value \$1828.33

OTHER IMPROVEMENTS

None.

ADJOINING CLAIMS.

This survey is bounded on the north by the Hillside lode^{Sur.No.915} and Contact No.1 lode^{Sur.No.917} John Lawler estate claimant, on the east by U.S.Land, on the south by the Prince of Wales lode, ^{unsurveyed} J.Q Stephens, claimant and the Comstock lode Sur.No. 2293 claimant unknown, and on the west by U.S.Land and the Resurgam lode ^{Sur.No.3742} ~~unsurveyed~~, John Lawler Estate, claimant,

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 Solar

observations. The distances were measured with a 500 ft. steel tape.

REPORT

The west 1/4 cor. of sec. 21, T.15 N.R.9 W is an iron pipe with a brass cap marked 1/4 20-21

Sur.No. 915

The corners adjoining this survey are stones properly set and chiseled with the number of the corner as described in the field notes of said survey. I do not agree with the course and distance of line 3-4-5 of this survey nor the tie to the U.S.M.M No.2

Sur.No.917

The corners adjoining this survey are stones properly set and chiseled with the number of the corner as described in the field notes of said survey. I do not agree with the intersection distances of this survey with Survey No. 915 nor the tie to U.S.M.M.No.2

Sur. No.2293

The corners adjoining this survey are stones properly set and chiseled with the number of the corner and survey. I do not agree with the course and distance of line 4-1 nor the tie ^{to} the U.S.M.M.No.2

Prince of Wales lode, Unsur.

According to the records of the U.S. Surveyor General, no return has been made of the survey of the Prince of Wales lode. The corners of said lode are marked as required for mineral surveys, they being stones properly set and chiseled. I have considered ^{ed} this lode as unsurveyed in compiling these notes but where corners of said lode were identical with this survey, I described the markings thereon. These markings designate Survey No.2361.

Insert* on page 9

In executing this survey, I inadvertently marked the northeast corner of the Muscal lode as cor.No.1. The greater southing of the course of its end line as compared with the other two lodes of this survey caused this error. I did not know that Cor.No.4 was closer to the

U. S. M. M. No. 2 until making my calculations after return from the field.

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 Waara
U. S. MINERAL SURVEYOR

~~REPORT CONTINUED~~ (insert on page 8 before last paragraph)

* Sur. No. 3742

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

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
JOSEPH L HOWELL and JOHN LAWLER, ESTATE
ST.
 known as the MUSCAL, 1 SO. EXT. HILLSIDE and 2 ND SO. EXT. HILLSIDE lodes
 and showing the respective capacities in which they acted.

H. R. WOOD , Chainman.
 , Chainman.
 , Axman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~ I, H. R. WOOD
 and , do solemnly swear that ^I~~we~~ assisted J. WILLIAM
WAARA , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of JOSEPH L. HOWELL and JOHN LAWLER, ESTATE
 known as the MUSCAL, 1 ST SO. EXT. HILLSIDE, and 2 ND SO. EXT. HILLSIDE. 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

H. R. Wood , Chainman.
 , Chainman.
 , Axman.
 , Flagman.

Subscribed and sworn to by the above-named persons before me this 7th
 day of FEBRUARY , 1921

W. L. Hammond
 NOTARY PUBLIC

My Commission Expires June 3, 1924.

~~MY COMMISSION EXPIRES.~~

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
JAN. 22, 1921, 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 Joseph L. Howell and John Lawler Estate
, known as the
Muscal, 1st So. Ext. Hillside and 2nd So. Ext Hillside lodes,
situate in EUREKA Mining District,
YAVAPAI County, ARIZONA, in Section
31, Township No. 15 N., Range No. 9 W. (unapproved survey),
and designated as Survey No. 3741, 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 claimants or their 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. Z. Hammond
this 7th
day of February, 19 21

A. Z. Hammond

NOTARY PUBLIC

6-1044

~~MY COMMISSION EXPIRES~~

My Commission Expires June 3, 1924

1924

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

April 23, 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

Joseph L. Howell and John Lawler Estate

known as the MUSCAL, 1st SO. EXT. HILLSIDE, and 2nd SO. EXT. HILLSIDE Lodes situate in

Eureka

Mining District, Yavapai County, Arizona

in Section 21, Township No. 15 N., Range No. 9 W., Unapp'd, and

designated as Survey No. 3741, 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 claimantS or their grantors, and that said improvements consist of

[Dotted lines for listing improvements]

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

April 23, 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

Joseph L. Howell and John Lawler Estate

, known as the

MUSCAL, 1st SO. EXT. HILLSIDE, and 2nd SO. EXT. HILLSIDE Lodes

situate in Eureka mining district,

Yavapai County, Arizona

in Section 21, Township No. 15 N., Range No. 9 W., Unapp'd.

, designated as Survey No. 3741

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

Surveyor, January 30 - February 4, 1921, under my instructions dated

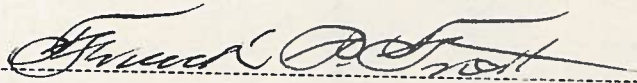
January 22, 1921, have been critically examined and the necessary cor-

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