

097.14 1914

Sept. 1, 1915

(4-683.)

Mineral Survey No. 3152

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Maude J. Hamilton and Sanford Rowe

KNOWN AS THE

LUCKY STRIKE, LITTLE MAMIE

Grand Canyon Mining District,

Coconino County, Arizona

Section 33, Township 31 N., Range 2 E.

Surveyed under instructions dated Sept. 19th., 1914,

by Herbert C. Shotwell, U. S. Deputy Mineral Surveyor.

Claim located see location notices, 1

Survey commenced September 26 th., 1914.

Survey completed October 1st., 1914.

o 6-100

Address

Fen S. Hildreth; attorney for Claimant.

Phoenix, Arizona.

(1)

MINERAL SURVEY # 3152.

Feet.

LITTLE MAMIE;

Beginning at Cor. No. 1 identical with Cor. No. 1 of the Lucky Strike Lode of this survey a sandstone 4 x 7 x 30 in. long set 14 in. in the ground and chiseled LM-1-3152 on southeast face and LS-1-3152 on northwest face, with a cross on top for exact corner point and a substantial mound of stone along the side. From corner the corner of Secs. 27, 28, 33, and 34, T. 31 N. and Range 2 E. brs. north 34°-25' E. 929.0 ft. A pine tree 22 in. diam. blazed and scribed LS-1-3152 BT. brs. south 74°-45' W. 18.2 ft. A pine tree 12 in. diam. blazed and scribed LM-1-3152 BT. brs. S. 31°-15' E. 59.7 ft.

Thence S. 40°-58' W.

200 Cross wagon road, course Northwesterly and South-easterly.  
1500.0 Cor. No. 2 identical with Cor. No. 4 of the Lucky Strike Lode of this survey, a sandstone 4 x 8 x 24 in. long set 12 in. in the ground and chiseled LM-2-3152 on S.E. face and LS-4-3152 on N.W. face with a cross on top for exact corner point, and substantial mound of stone along side. From corner a pine tree 12 in. diam. blazed and scribed LS-4-3152 BT. brs. N. 35°-45' W. 18.1 ft. A cedar tree 12 in. diam. blazed and scribed LM-2-3152 Bt. brs. N. 63°-30' E. 21.1 ft.

Thence S. 44°-37' E.

300.00 South center end, a post in mound of stone.  
600.00 Cor. No. 3. A limestone 5 x 7 x 24 in. long set 12 in. in the ground and chiseled LM-3-3152 on N.W. face with a cross on top for exact cor. pt. and with substantial mound of stone along side. From corner a cedar tree 16 in. diam. blazed and scribed LM-3-3152 BT. brs. S. 6°-30' W. 21.7 ft.

THENCE N. 40°-58' E.

1490.00 Cross wagon road, course Easterly and Westerly.  
1500.00 Cor. No. 4. This point fell very near a much traveled wagon road where it would interfere with traffic and be in danger of being destroyed, so I established a Witness Cor. for this corner. Said Witness Cor. is on the Northeasterly end line of the Little Mamie claim N. 44°-37' W. 10 ft. from the true point for cor. I set a limestone 2 x 10 x 35 in. long 15 in. in the ground and chiseled LM-4-3152 W.C. on southeast face with a cross on top for exact Witness pt. and with a substantial mound of stone along side. From Witness pt. a pine tree 18 in. diam. blazed and scribed LM-4-3152 BT. W.C. brs. N. 32°-45' E. 13.5 ft.

THENCE N. 44°-37' W.

10.00 From true point for corner  
300.00 To Witness Cor., heretofore described.  
600.00 N. center end a point from which the original N. center end monument brs. N. 40°-58' E. 62 ft. Cor. No. 1 the place of beginning. All corners are identical with their respective location unless otherwise designated.

FEET. LITTLE MAMIE; Con't.

Magnetic declination at each cor. is 15° to E.

LUCKY STRIKE:

Beginning at Cor. No. 1-identical with Cor. No. 1 of the Little Mamie Lode of this survey, cor. described above, from which Cor. of Secs. 27, 28, 33 and 34 T.31 N. R. 2 E. brs. N. 34°-25' E. 929.0 ft.

Thence N. 44°-37' W. 300.00  
 N. center end, a point from which the original  
 N. center end monument brs. N. 40°-58' E. 160 ft.  
 600.00 Cor. No. 2, a limestone 4 x 8 x 24 in. long set  
 12 in. in the ground and chiseled LS -2-3152 on  
 S.E. face with cross on top for exact cor.pt. and  
 substantial mound of stone along side. From Cor.  
 a pine tree 20 in. diam. blazed and scribed  
 LS-2-3152 BT. brs. S. 88°-45' E. 21.2 ft.

Thence S. 40°-58' W.  
 290.00 Cross wagon road, course northwesterly and southeasterly.  
 1500.00 Cor. No. 3, a limestone 3 x 12 x 24 in. long set 12 in.  
 in the ground and surrounded by a substantial mound  
 of stone and earth. This corner fell on solid rock  
 not suitable for marking so I built a substantial  
 wall of stone about 4 ft. diam. and 1 ft. high around  
 this corner, filling the same with earth and rock  
 which made the stone set for the corner firm and  
 secure. The said cor. stone was chiseled LS-3-3152  
 on S.E. face with a cross on top for exact cor. pt.  
 from which a pine tree 10 in. diam. blazed and  
 scribed LS-3-3152 BT. brs. N. 5°-15' E. 32.1 ft.  
 A pine tree 14 in. diam. blazed and scribed LS-3-3152  
 BT. brs. S. 89°-15' W. 40 ft.

THENCE S. 44°-37' E.  
 300.00 S. center end. A post in mound of stone.  
 600.00 Cor. No. 4, identical with cor. No. 2 of the Little  
 Mamie Lode of this survey, cor. described above.

Thence N. 40°-58' E.  
 1300.00 Cross wagon road, course northwesterly and southeasterly.  
 1500.00 Cor. No. 1, the place of beginning.  
 All corners are identical with their respective  
 location unless otherwise designated.  
 Magnetic declination at each corner is 15° to E.

L E D G E S.

The presumed courses of the ledges of  
 this survey as near as can be traced upon the  
 ground, are as follows:

LITTLE MAMIE:  
 Course of ledge is from a point on line  
 2-3 S. 44°-37' E. 300 ft. from cor. No. 2. thence  
 N. 40°-58' E. 1500 ft. to intersection of line 4-1

LUCKY STRIKE:  
 Course of ledge is from point on line  
 3-4 S. 44°-37' E. 300 ft. from cor. No. 3 thence  
 N. 40°-58' E. 1500 ft. to intersection of Line 1-2

A R E A.

	Acres.
Total area of Little Mamie.....	20.599
Total area of Lucky Strike .....	20.599

I M P R O V E M E N T S.

I certify that the value of the labor and improvements upon these claims, placed thereon by the claimants and their grantors is not less than Five Hundred Dollars (\$500.00) for each claim and that said improvements consist of ;  
LITTLE MAMIE:

Discovery point, a point on the ledge in open cut No. 1 from which cor. No. 1 brs. N. 10° 25' E. 589 ft.

No. 1 Open cut and tunnels, course S. 45° W. 36 ft. to Sta. A. This portion of the cut is 4 ft. wide and averages 5 ft. high. Thence from A, N. 45° W. 22 ft. to face of cut to right. This portion of the cut is 9 ft. high and 6 ft. wide. Thence also from A S. 45° W. 10 ft. to beginning of tunnel, 41 ft. to face of tunnel. The cut from A to tunnel is 6 ft. wide and 9 ft. high. The tunnel will average 6 ft. high and 6 ft. wide. From beginning of cut Cor. No. 1 brs. N. 8° 14' E. 562 ft.

Value .....\$ 1,000.00

No. 2 Open cut and tunnel; course S. 11° E. 30 ft. to tunnel 41 ft. to face of tunnel. Tunnel will average 7 ft. high and 5 ft. wide, from beginning of which cor. No. 1 brs. N. 19° 3' E. 560 ft.

VALUE ..... \$ 300.00

No. 3 Open cut 5 x 30 x 7 ft. face, course N. 75° W. From beginning of cut true point for cor. No. 4 brs. N. 48° 23' E. 475 ft.

Value..... \$ 100.00

This improvement is common to both claims of this survey for the reason that it is started at a low point, the balance of the country rising above this cut. This work is also located at a convenient point for an outlet to both the railroad and wagon-road and if this work was continued it would cut and develop the ore bodies of both claims. Therefore to be accredited to this claim is only a one-half interest in this improvement, the other one-half interest being accredited to the Lucky Strike lode.

Value of one-half interest .. \$ 50.00

No. 4 A storage dam for the purpose of storing flood waters. This dam is 16 ft. high and 110 ft. long. From the westerly end of dam cor. No. 2 brs. S. 66° 34' W. 455 ft.

Total value of improvements.. \$ 900.00

This improvement is common to both claims of this survey for the reason that the reservoir is to store water to be used in the development and treatment of the ores of both claims. This reservoir is designed to store flood waters, the only water available for mining purposes. The country is dry and water is just as important for the success of these mines as the ore itself. To be accredited to this claim is an undivided one-half interest in said improvement No. 4, the other one-half interest being accredited to the Lucky Strike lode.

Value of one-half interest.. \$450.00

IMPROVEMENTS, Con't.LUCKY STRIKE:

- No. 1           Discovery Monument located on presumed course of ledge, a substantial mound of stone 3 ft. base and 3 ft. high, from which cor. No. 4 brs. S. 6°38' E. 405 ft.
- No. 2           Shaft, 6 x 11 x 6 ft. deep from center of which cor. No. 4 brs. S. 3°38' E. 389 ft.  
Value..... \$ 70.00
- No. 3           Open cut 5 x 40 x 12 ft. face, course S. 16°48' W. From beginning of cut cor. No. 4 brs. S. 16°48' W. 508 ft.  
Value ..... \$ 225.00
- No. 4           Open cut 6 x 32 x 8 ft. *face*, course N. 75° W. From beginning of cut cor. No. 1 brs. N. 60°58' E. 309 ft.  
Value..... \$ 125.00
- Note:           Also to be accredited to this claim is an undivided one-half interest in improvement No. 3 of the Little Mamie Lode of this survey  
Value..... \$ 50.00
- Note:           Also to be accredited to this claim is an undivided one-half interest in improvement No. 4 of the Little Mamie lode of this survey.  
Value..... \$ 450.00

OTHER IMPROVEMENTS.

About 1350 ft. wagon road.

A D J O I N I N G C L A I M S.

So far as known the ground surrounding these claims is public domain and subject to entry.

L O C A T I O N.

These claims are located in Sec. 33 T. 31 N. R. 2 E. of the G. & S. R.B. & M. in the Grand Cañon Mining District of Coconino Co. Arizona, within the Tusayan National Forest.

I N S T R U M E N T.

This survey was made with a G.L. Burger & Sons transit, No. 1 C.; The distances were measured with a 600 and a 100-foot steel tape. All courses were deflected from true meridian as determined by direct solar observation.

R E P O R T.

The discrepancies between the claims of this survey as marked upon the ground by the respective location monuments and as described in the location notices are due to error in the location notices.

I thoroughly satisfied myself while on the ground making the survey that the improvements mentioned above and accredited to these claims were made by the claimants and their grantors.

The cor. of the public survey mentioned in these notes was a stone properly marked and in good preservation.

Report continued.

Improvement No. 1 of the Lucky Strike lode is a Discovery Monument located on the Mineral bearing formation. This formation is limestone with the ore lying in a blanket form and extends over the area of this claim. This Discovery Point was located upon this Mineral bearing formation so as to most advantageously cover the mineral formation with the claim.

*Herbert C. Shotwell*  
U.S. Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Herbert C. Shotwell

United States ~~Deputy~~ 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

Maude J. Hamilton and Sanford Rowe

known as the LUCKY STRIKE, LITTLE MAMIE

and showing the respective capacities in which they acted.

H.H. King, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

## FINAL OATHS OF ASSISTANTS.

No. 1

*H. H. King*

and....., do solemnly swear that **I** assisted Herbert C.

Shotwell

....., United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Maude J. Hamilton and Sanford Rowe

known as the LUCKY STRIKE, LITTLE MAMIE

represented in the foregoing field notes as having been surveyed by said ~~deputy~~ 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 instructions

furnished by the United States Surveyor-General for Arizona

*H. H. King*

....., Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 1<sup>st</sup>

day of October, 1914

*L. L. Gerrall*

*Notary Public*

(4-686.)

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

I, Herbert C. Shotwell, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Sept. 19th. 1914, 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 Maude J. Hamilton and Sanford Rowe, known as the LUCKY STRIKE, LITTLE MAMIE, situate in Grand Cañon Mining District, Coconino County, Arizona, in Section 33, Township No. 31 N., Range No. 2 E., in the Coconino National Forest. and designated as Survey No. 3152, 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 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.

Herbert C. Shotwell  
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Herbert C. Shotwell  
 U. S. ~~Deputy~~ Mineral Surveyor, before me \_\_\_\_\_  
 \_\_\_\_\_ this 2<sup>nd</sup>  
 day of October 1914.

Richard Lanson  
 Notary Public

o 3-154

My Commission expires March 3-1917

737

## Notice of Mining Location.

St. 18.1314

TO ALL WHOM IT MAY CONCERN:

Lode Claim.

This Mining Claim, the name of which is the Lucky Strike 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 Irvin L. Sanders & Sanford Rowe citizens of the United States the undersigned, on the 7 day of August, 1911. The length of this claim is fifteen Hundred feet, and we claim two Hundred feet in a southerly direction, and thirteen hundred feet in a Northerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred 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 Francis Mining District, in Coconino County, in the Territory of Arizona, about three miles in a Southerly direction from Bright Angel trail and joining the Little Mamie Mining Claim on the West.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at Post at a point in a Southerly direction 200 feet from the discovery shaft (at which this notice is posted), being in the center of the South end line of said claim; thence East 300 feet to a Post, being the South East corner of said claim; thence North 1500 feet to a Post, being at the North East corner of said claim; thence West 300 feet to a Post being at the center of the North <sup>of said</sup> end claim; thence West 300 feet to a Post, being at the North West corner of said claim; thence South 1500 feet to a Post being at the South West corner of said claim; thence East 300 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.

Dated and posted on the ground this 7 day of August, 1911.

Irvin L. Sanders

Sanford Rowe

Locators.

Recorded at request of Irvin L. Sanders

Aug. 28, 1911 at 9 A.M.

Jesse L. Boyce

County Recorder.

STATE OF ARIZONA, }  
COUNTY OF COCONINO, } ss.

I, DAN J. CRONIN, County Recorder in and for the County and State aforesaid, hereby certify that I have compared the foregoing copy with the Record of Notice of Mining Location filed for record in my said office on the 28th day of August A. D. 1911 at 9 A.M., in Book 7 of Mines at page 149, and that the same is a full, true, correct and complete copy of such Record and of the whole thereof.

WITNESS my hand and seal of office this 17th day of September A. D. 1911.

Dan J. Cronin  
County Recorder.

By \_\_\_\_\_ Deputy.

Amended.

No.576 Notice of Mining Location.  
Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Little Mamie 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 Sanford Rowe and Irvin L. Sanders, Both citizens of the United States, the undersigned, on the 14<sup>th</sup> day of January, 1904.

The length of this claim is fifteen hundred feet, and we claim five hundred feet in a North Easterly direction, and one thousand feet in a South Westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred 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 East to the South West.

The claim is situated and located in the What is known as Francis Mining District, in Coconino County, in the Territory of Arizona, about three miles in a Southerly direction from the Bright Angel Trail and about 1/3 mile East Rowes Well.

The surface boundries of the claim are marked upon the ground as follows: Beginning at a Monument at a point in a North Easterly direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence East 300 feet to a Monument of stone, being the North East corner of said claim; thence.....feet to a ..... at the center of the side line of said claim; thence South 1500 feet to a Monument, being at the South East corner of said claim; thence West 300 feet to a post being at the center of the South end of said claim; thence West 300 feet to a Post being at the

South West corner of said claim;thence .....feet to a.....  
being at the center of the said side line of said claim;thence  
North 1500 feet to a monument at the North West corner of said  
claim,thence East 300 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 Concerning Mines",  
approved March 20th.1895,and amended March 2d.1899.

Dated and posted on the ground,this 5 day of July,1912.

Sanford Rowe

Irvin L.Sanders.

This is an Amended Location Notice of the "Little Mamie" Mining  
Claim,located by Sanford Rowe and Irvin L.Sanders on the 14th.  
day of January,1904,and recorded in Book 5 of Records of Mines,  
at page 484 in the office of the County Recorder of the afore-  
said County of Coconino,to which reference is hereby made,and  
this Amended Location Notice is made and posted to correct errors  
inthe description in the said Original Location Notice.

Recorded at request of Irvin L.Sanders  
July 6,1912 at 9 o'clock A.M.

Dan J.Cronin

County Recorder.

STATE OF ARIZONA, }  
COUNTY OF COCONINO, } ss.

I, DAN J. CRONIN, County Recorder in and for the County and State aforesaid, hereby certify  
that I have compared the foregoing copy with the *Record of Amended*  
*Notice of Mining Location*  
filed for record in my said office on the *6th* day of *July* A. D. 191*2*  
at *9:00* M., in Book *7* of *Mines* at page *153*, and that the same is a  
full, true, correct and complete copy of such *Record* and of the whole thereof.

WITNESS my hand and seal of office this *17th* day of  
*September* A. D. 191*2*.

*Dan J. Cronin*  
County Recorder.  
By \_\_\_\_\_ Deputy.

4-688.

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

**Department of the Interior,**

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

April 24, 1915

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

Maude J. Hamilton and Sanford Rowe

known as the Lucky Strike, Little Mamie.

situate in Grand Canyon

Mining District, Coconino County, Arizona.

in Section 33, Township No. 31 N., Range No. 2 E., and

designated as Survey No. 3152, 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, or for each of said mining claims by claimants or their grantors, and that said improvements consist of 5 cuts, 2 tunnels, 1 storage dam and 1 shaft, total value \$2720. An undivided one-half interest, value \$50.00, in cut No. 3 on the Little Mamie lode, and an undivided one-half interest, value \$450, in storage dam No. 4 on the Little Mamie lode, are credited to each of the claims in this survey, said improvements being common improvements for the benefit and development of said lodes.

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.

4-687.

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 24, 1915.

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

Maude J. Hamilton and Sanford Rowe

, known as the

Lucky Strike, Little Mamie.

situate in Grand Canyon mining district,

Coconino

County,

Arizona

in Section 33, Township No. 31 N., Range No. 2 E.

, designated as Survey No. 3152

executed by Herbert C. Shotwell, U. S. Deputy-Mineral

Surveyor, September 26-October 1, 1914, under my instructions dated

September 19, 1914, 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. A true copy of the copy of the location certificate filed by the applicant<sup>s</sup> for survey is included in the field notes.

*Frank S. Ingalls*

U. S. Surveyor-General for Arizona.