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(4-683.)

Mineral Survey No. 3151 A & B

Lot No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Sanford Rowe

KNOWN AS THE

HIGHLAND MARY, HIGHLAND MARY MILL-SITE

Grand Canyon Mining District,

Cocconino County, Arizona.

Millsite in Section 33, Township 31 N., Range 2 E.
Lode in Section 4 & 5, Township 30 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 26th., 1914

Survey completed October 1st., 1914.

o 6-100

Address

Fen S. Hildreth, Attorney, for Claimant.

Phoenix, Arizona.

31-2
37

MINERAL SURVEY No. 3151 A & B.

Feet.	HIGHLAND MARY:
	Beginning at Cor. No. 1. A limestone 7 x 14 x 25 in. long set 12 in. in the ground and chiseled HM-1-3151A on N.W. face with cross on top for exact cor. pt. and a substantial mound of stone along side. From cor. 1/4 cor. of Secs. 4 and 5 T. 30 N. R.2 E. brs. N. 4°-20' E. 416 ft. A pine tree 16 in. diam. blazed and scribed HM-1-3151A BT. brs. N. 20°-48' E. 60 ft.
	Thence N. 41°-21' E.
51.18	Intersect line between secs. 4 and 5 T.30 N. R.2 E. S. 0°-21' E. 376.49 ft. from the 1/4 Sec. ^{Cor.} and N. 0°-21' W. 2263.51 ft. from the cor. of secs. 4, 5, 8 and 9, T. 30, R.2 E.
1245.00	Cross wagon road, course easterly and westerly.
1405.00	Cross wagon road, course northerly and southerly.
1489.00	Cor. No. 2. A limestone 3 x 4 x 34 in. long set 14 in. in the ground and chiseled HM-2-3151A on northwest face with cross on top for exact corner pt. and substantial mound of stone along side. From Cor. a pine tree 18 in. diam. blazed and scribed HM-2-3151 A BT. brs. S. 18°-40' E. 35 ft. A pine tree 10 in. diam. blazed and scribed HM-2-3151A BT. brs. S. 68°-0' W. 60 ft.
	Thence N. 48°-39' W.
20.00	Cross wagon road, course northeasterly and southwesterly.
300.00	N. center end, a post in mound of stone
600.00	Cor. No. 3. A sandstone 3 x 16 x 24 in. long set 12 in. in the ground and chiseled HM-3-3151A on S.E. face with cross on top for exact cor. pt. and with substantial mound of stone along side. From cor. a cedar tree 8 in. diam. blazed and scribed HM-3-3151A BT. brs. S. 82°-15' E. 10 ft. A pine tree 12 " diam. blazed and scribed HM-3-3151 A BT. brs. N. 49°-15' W. 31 ft.
	Thence S. 41°-21' W.
764.40	Intersect line between secs. 4 and 5, T.30 N. R.2 E. N. 0°-21' W. 525.45 ft. from the 1/4 Sec. cor. and S. 0°-21' E. 2123.07 ft. from the cor. secs. 32, 33, 4 and 5.
1489.00	Cor. No. 4. A limestone 4 x 8 x 26 in. long set 12 in. in the ground and chiseled HM-4-3151A on N.E. face and with substantial mound of stone along side, from cor. a piñon tree 10 in. diam, blazed and scribed HM-4-3151A BT. brs. N. 16°-15' W. 22.5 ft. A cedar tree 7 in. diam. blazed and scribed HM-4-3151A BT. brs. S. 79°-0' E. 17.5 ft.
	Thence S. 48°-39' E.
300.00	S. center end. A post in mound of stone.
390.00	Cross wagon road, course southwesterly and northeasterly.
600.00	Cor. No. 1, the place of beginning. All corners are identical with their respective locations. Magnetic declination at each cor. is 15° to E.

Feet.

HIGHLAND MARY MILL-SITE.

HIGHLAND MARY MILL-SITE.

Beginning at Cor. No. 1 a limestone 6 x 8 x 24 in. long set 12 in. in the ground and chiseled HM-1-3151B on S.E. face with a cross on top for exact cor. pt. and with substantial mound of stone along side. From cor. a cedar tree 8 in. diam. blazed and scribed HM-1-3151B BT. brs. S. 31° E. 21.8 ft. A cedar tree 16 in. diam. blazed and scribed HM-1-3151B BT. brs. S. 71° W. 19 ft. The 1/4 sec. cor. for secs. 28 and 33 T. 31 N. R. 2 E. brs. N. 74° 59' W. 382 ft. Cor. No. 3 of the Highland Mary Lode survey No. 3151-A brs. S. 20° 22' W. 7174.3 ft.

Thence S. 00° 27' W.

466.50 Cor. No. 2. A limestone 3 x 10 x 24 in. long set 12 in. in the ground and chiseled HM-2-3151B with a cross on top for exact cor. pt. and with substantial mound of stone along side. From cor. a pine tree 16 in. diam. blazed and scribed HM-2-3151B BT. brs. N. 63° E. 27.2 ft.

Thence S. 89° 33' E.

466.50 Cor. No. 3. A limestone 6 x 12 x 26 in. long set 12 in. in the ground and chiseled HM-3-3151B with a cross on top for exact cor. pt. and a substantial mound of stone along side. From cor. a pine tree 15 in. diam. blazed and scribed HM-3-3151B BT. brs. S. 71° 45' W. 12.6 ft. A cedar tree 8 in. diam. blazed and scribed HM-3-3151B BT. brs. S. 49° 15' E. 10.8 ft.

Thence N. 00° 27' E.

351.00 Cross wagon road, course northwesterly and southeasterly.

466.50 Cor. No. 4. A limestone 6 x 8 x 25 in. long set in a substantial mound of earth and stone. It was impossible to bury the stone any great depth on account of the hard rock at this pt. so I walled around with stone, filled in around the cor. stone with earth and rock, making it firm and secure. The cor. stone was chiseled HM-4-3151B on southwest face with cross on top for exact cor. pt. from which a pine tree 14 in. diam. blazed and scribed HM-4-3151B BT. brs. N. 86° W. 45.8 ft. A pinon tree 14 in. diam. blazed and scribed HM-4-3151B BT. brs. S. 10° 45' W. 30 ft.

Thence N. 89° 33' W.

250.00 Cross wagon road, course northwesterly and southeasterly.

466.50 Cor. No. 1, the place of beginning. All cors are identical with their respective locations, magnetic declination at each cor. is 15° to E.

L E D G E.

The presumed course of the Highland Mary Ledge as near as can be traced upon the ground is from a pt. on Line 1-4 S. 48° 39' E. 300 ft. from Cor. No. 4 thence N. 41° 21' E. 1489.00 ft. to intersection of Line 2-3

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

I certify that the value of the labor and improvements upon this claim placed thereon by the claimant and his grantor is not less than Five Hundred (\$500.00) Dollars and that said improvements consist of;

- No. 1 Discovery monument. A post 6 in. diam. and standing 4 ft. high, surrounded by a substantial mound of stone located on presumed course of ledge from which cor. No. 1 brs. S. 1° 37' E. 440 ft.
- No. 2 A shaft, 4 x 4 x 10 ft. deep from center of which cor. No. 1 brs. S. 17° 43' E. 562 ft.
Value..... \$ 20.00
- No. 3 Open cut 4 x 124 x 9 ft. face. Course for first 75 ft. is N. 34° E. The last 49 ft. has a course of N. 20° E. From beginning of cut Cor. No. 1 brs. S. 14° 04' W. 410 ft.
Value..... \$100.00
- No. 4 Open cut and tunnel. Course N. 26° E. 76 ft. to pt. A where tunnel goes under cover. Open cut will average 8 ft. wide and 6 ft. high, thence from A, N. 8° W. 14 ft. to B pt. in tunnel, thence from B, N. 30° E. 8 ft. to face. Tunnel will average 5 ft. wide and 5 ft. high. From beginning of cut cor. No. 1 brs. S. 25° 52' W. 370 ft.
Value..... \$ 500.00
- No. 5 Shaft, 5 x 10 x 9 ft. deep, from center of which cor. No. 1 brs. S. 31° 16' W. 709 ft.
Value..... \$ 100.00
- No. 6 Open cut, and shaft. From beginning of cut course S. 53° 30' W. 52 ft. to face, averages 5 x 8 ft. (12 ft. face) At 36 ft. in is a shaft 5 x 5 x 7 ft. deep. At the right of the face of open cut is an excavation 13 x 15 x 5 ft. deep. From beginning of open cut cor. No. 1 brs. S. 33° 28' W. 826 ft.
Value..... \$ 500.00

O T H E R I M P R O V E M E N T S.HIGHLAND MARY:

About 1300 linear ft. of wagon road.

A dam, 12 ft. high and 100 ft. long, from easterly end cor. No. 1 brs. S. 17° 20' E. 322 ft.

HIGHLAND MARY MILL-SITE.

About 300 linear ft. of wagon road.

Log cabin 16 x 30 ft. from southeasterly cor. cor. No. 4 brs. N. 84° 05' E. 269 ft.

Log cabin 12 x 16 ft. from southeasterly cor. cor. No. 4 brs. N. 73° E. 286 ft.

Well, 4 x 6 x 18 ft. deep from center of which cor. No. 1 brs. N. 43° 15' W. 233 ft.

A well, 4 x 6 x 17 ft. deep from the bottom of which a drift is run in a northeasterly direction 16 ft. Another drift is run in a southerly direction 8 ft. From center of well cor. No. 1 brs. N. 33° 40' W. 260 ft.

(4)

OTHER IMPROVEMENTS. Con't.

An old smelter furnace about 4 ft. diam. from center of which Cor. No. 1 brs. N. 37° 10' W. 298 ft.

Dam, 100 ft. long and 12 ft. high for the purpose of storing flood waters to be used in milling purposes. From westerly end of dam cor. No. 2 brs. S. 80° 30' W. 208 ft.

A R E A.

	Acres.
Total area of Highland Mary Lode.....	20.509
Highland Mary Mill-site.....	4.996

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

There are no known claims adjoining the Highland Mary and so far as known the ground surrounding this claim is public domain and subject to entry. On the north side of the Highland Mary mill-site the ground is located for a Ranger Station ^(Rowe Well Ranger Station) and occupied by United States Department of Agriculture. The balance of the ground however is public domain and subject to entry.

L O C A T I O N.

The Highland Mary is located in Secs. 4 and 5, T. 30 N. R. 2 E. The Highland Mary mill-site is located in Sec. 33, T. 31 N. R. 2 E. Both are located in the Grand Canyon Mining District, Coconino County, Arizona within the Tusayan National Forest.

I N S T R U M E N T.

This survey was made with a C.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 these claims as marked upon the ground by their 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 survey, that the improvements accredited to the Highland Mary Lode were made by the claimant and his grantors.

The Highland Mary mill-site has been proven non-mineral. There has been much prospecting upon this ground but no mineral has been disclosed by the grading of the road, digging of the well or building of the dam, nor by any other similar work.

The corners of the public survey referred to in these notes were found properly marked and well preserved.

Herbert C. Shattuck
U.S. Mineral Surveyor.

(5)

REPORT continued.

Improvement No. 1. of this claim is a Discovery Monument located on the Mineral bearing formation. This formation is a blanket which extends over the area of the claim and the Discovery point was so located upon this Mineral bearing formation as to cover with the claim the most desirable mineral ground.

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
Sanford Rowe
 known as the HIGHLAND MARY, HIGHLAND MARY MILL-SITE
 and showing the respective capacities in which they acted.

H.H.King , Chainman.
 , Chainman.
 , Axman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

W. I., H. H. King
 and do solemnly swear that we assisted Herbert C.
Shotwell United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Sanford Rowe
 known as the HIGHLAND MARY, HIGHLAND MARY MILL-SITE
 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 1st
October, 1904

day of October, 1904
L. L. Furrall
Notary Public

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 Sanford Rowe, known as the HIGHLAND MARY, HIGHLAND MARY MILL-SITE, situate in Grand Canon Mining District, Coconino County, Arizona, in Section 33 4 & 5 Township No. 31 N., Range 2 E. and Sections Township No. 30 N., Range No. 2 E. In the Tusayan National Forest, and designated as Survey No. 3151 A & B, 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.

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 2nd
day of October 1914.

Richard Jensen
Notary Public

Entire premises relocated as abandoned property. The former location known as the (Grand Chance.)

Notice of Mining Location.

SEP 18 1914

Lode Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Highland Mary 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 purpose of exploration and purchase by Sanford Rowe of Williams Arizona, a Citizen of the United States, the undersigned, on the 19th. day of March, 1901.

The length of this claim is 1500 feet and I claim 300 feet in a Southerly direction, and 1200 feet in a Northerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 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 South to the North.

The claim is situated and located in the Francis Mining District, in Coconino County, in the Territory of Arizona, about one & one half mile in a Southerly direction from Rowes Well and at the North End of what is known as "North Park".

The surface boundries of the claim are marked upon the ground as follows: Beginning at a Post, in a Southerly direction 400 feet from the discovery shaft (at which this notice is posted), being in the center of the South end line of said claim; thence 300 feet to a Post, being the South West corner of said claim; thence 750 feet to a Post at the center of the West side line of said claim; thence 750 feet to a Post, being at the North West corner of said claim; thence 300 feet to a Post at the center of the North end of said claim; thence 300 feet to a Post, being at the South East corner of said claim; thence 750 feet to a Post being at the center of the East side line of said claim; thence 750 feet to a Post at the

South East corner of said claim; thence 300 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 Concerning Mines", approved March 20th. 1895, and amended March 2d. 1899.

Dated and posted on the ground this 19th. day of March, 1901.

Witness; Sanford Rowe.

Alex Chisholm

James Francis

Filed and recorded at request of Sanford Rowe
Apl 16 A.D. 1901 at ..minutes past 9 o'clock A.M.
In Book 4 Page 29, Records of Coconino County,
Arizona Territory.

H.C. Hibben,
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 *16th* day of *April* A. D. 19*01* at *4* M., in Book *4* of *Mines Record* at page *29*, 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. 19*01*.

Dan J. Cronin
County Recorder.
By _____ Deputy.

Location Notice
of
The Highland Mary.

SEP 18 1914

Mill-Site Claim and Water Right.

Know All Men By These Presents: That I, the undersigned, have this day located a Mill-site for the purpose of erecting suitable works for reducing the ores of the Highland Mary & Blue Nose Mining Claims, Situated in Francis Mining District, Coconino County, Arizona Territory.

The exterior boundaries of said Highland Mary Mill-Site claim are as follows: viz: Commencing at a monument of stone at N.E. corner of claim, and running thence in a westerly direction, $466\frac{1}{2}$ feet to monument of stone at N.W. corner of claim, thence in a southerly direction $466\frac{1}{2}$ feet to monument of stone at S.W. corner of claim, thence in an easterly direction $466\frac{1}{2}$ feet to monument of stone at S.E. corner of claim, thence in a northerly direction $466\frac{1}{2}$ feet to monument of stone at N.E. corner of claim and place of beginning.

This location may be more generally described as being situated about four miles South East of Rowes Point and also "known" as Rowes Well. That we have also located in connection with the said Mill-Site claim about two inches miner's measure of the water of this Rowes Well under and in accordance with the laws of the Territory of Arizona, regulating the location and possession of Water Rights.

Dated on the ground, this 19th. day of March, 1901.

Witness; Sanford Rowe.

Alex G. Chisholm

James Francis

Recorded at at request of Sanford Rowe.

April 16 A.D. 1901 at 9 oclock A.M.

H.C. Hibben

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 Location Notice of Highland Mary Mill Site Claim and State Right filed for record in my said office on the 16th day of April A. D. 1901 at 9:00 M., in Book 1 of Mill Sites, at page 219, and that the same is a full, true, correct and complete copy of such Records and of the whole thereof.

WITNESS my hand and seal of office this 17th day of September A. D. 1901.
Dan J. Cronin
County Recorder.

By _____ Deputy.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

May 1, 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

SANFORD ROWE

known as the HIGHLAND MARY, HIGHLAND MARY MILL SITE.

situate in GRAND CANYON

Mining District, COCONINO County, ARIZONA.

Sec. 33 T. 31 N., R. 2 E. in Sections 4 & 5, Township No. 30 N., Range No. 2 E., and

designated as Survey No. 3151 A&B, 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 claimant or his grantors, and that said improvements consist of 3 shafts, 3 cuts, 1 tunnel and 1 excavation, total value \$1220.00

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.

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,

May 1, 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

SANFORD ROWE

known as the

HIGHLAND MARY, HIGHLAND MARY MILL SITE

situate in GRAND CANYON mining district,

COCCHINO

County,

ARIZONA

Sec. 33, T 31 N., R 2 E.
in Sections 4 & 5, Township No. 30 N., Range No. 2 E.

designated as Survey No. 3151 A&B

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 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 S. Ingalls

U. S. Surveyor-General for Arizona.