

JUL 25 1917

NOV 12 1917

1

*Platted*

MINERAL SURVEY No. 5405 A & B.

LOT No. ....

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Agnes Scanlon

KNOWN AS THE

Empire, Manhattan lodes and Empire Millsite

Lost Basin Mining District,

Mohave County, Arizona

Section s 28 & 33, Township 30 N, Range 17 W - Unapproved  
32, Township 31 N

Surveyed under instructions dated June 18, 19 17

by O.M. Enslow  
U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced July 10, 19 17

Survey completed July 15, 19 17

Address of claimant's att'y, Hotel Brunswick, Kingman, Arizona.

DATES OF AMENDED LOCATIONS.

*see letter 4-19-18*

NOV 12 1917

Feet

Survey No. 3405 A &amp; B.

Empire lode.

Beginning at Cor. No. 1.

A granite stone, 24x12x10 ins., set on solid bedrock in mound of stone, 4 ft. base by 1½ ft. high, with conical mound of stone 2 ft. base, 1½ ft. high, alongside, chiseled E-1-3405 A, with cross for exact center point. Whence U.S.M.M. No. 1 (erected in connection with Survey No. 822), bears S. 73° 50' W. 42 47 ft. The section corner common to sections 28, 29, 32 & 33 T. 30 N. R. 17 W. G. & S. R. M. (unapproved survey) bears N. 19° 29' W., 420 ft. A granite boulder 2x4 ft., 2 ft. above ground, bears N. 71° 30' W., 19.5 ft., Chiseled E. 1-3405-A-B-R, with cross for exact center point. A granite boulder 3x4 ft., 4 ft. above ground bears S. 58° 00' E. 17.5 ft., chiseled E-1-3405-A-B-R, with cross for exact center point.

Thence N. 3° 12' W.

1500.00 To Cor. No. 2, identical with Cor. No. 1, Manhattan lode of this survey. A granite stone 24x12x8 ins., set 18 ins. in the ground, with conical mound of stone 1½ ft. high, 2 ft. base alongside, chiseled, E-2-M-1-3405 A, with cross at exact center point. No bearings available.

Thence N. 86° 48' E.

300.00 N.E.C., identical with S.E.C. Manhattan lode of this survey. A granite stone 36x10x6 ins., set on solid ledge formation, on the summit of a sharp ridge bearing E. & W., with mound of stone 1½ ft. high, 4 ft. base surrounding same. A conical mound of stone 1½ ft. high, 2 ft. base alongside, chiseled, E.N.E.C.-M.S.E.C. 3405 A, with cross for exact center point. Whence a granite rock in place, 6x12 ft., 2 ft. above ground, chiseled E.N.E.C. 3405 A-B-R-, with cross for exact center point, bears S. 52° 50' E. 6.5 ft. No other bearings available.

600.00 To Cor. No. 3, identical with Cor. No. 4 Manhattan lode of this survey.

A granite stone 30x12x10 ins., set 18 ins. in the ground, with conical mound of stone 1½ ft. high, 2 ft. base alongside,

Feet Survey No.3405 A & B continued.

chiseled,E.3.M.4-3405 A,with cross at exact center point.  
No bearings available.

Thence S.3°12'E.

1500.00 To Cor.No.4.

A granite rock 26x14x10 ins.,set 18 ins.in the ground,  
with conical mound of stone,1½ ft.high,2 ft.base alongside,  
chiseled,E.4.3405-A,with cross at exact center point.  
No bearings available.

Thence S.86°48'W.

300.00 To S.E.C.

A granite stone 24x8x8 ins.,set on solid bedrock,in mound  
of stone 1½ ft.high,4 ft.base,with a conical mound of stone  
1½ ft.high,2 ft.base alongside,chiseled,E.S.E.C.3405 A,  
with cross at exact center point.

A granite boulder 4x4 ft.,4 ft.above ground,chiseled,  
E.S.E.C.3405 A,B.R. with cross at exact center point,  
bears N.75°45'W.30 ft.No other bearings available.

600.00 To Cor.No.1,the point of beginning.

Manhatan. lo de.

Beginning at Cor.No.1,identical with Cor.No.2 Empire lode  
of this survey,previously described,whence U.S.M.M.No.1,  
(survey No.822)bears S.56°08'W.4809 ft.

Thence N.4°46'E.

1500.00 To Cor.No.2.

A granite rock 28x16x8 ins.,set 18 ins.in the ground,with  
a conical mound of stone 1½ ft.high,2 ft.base alongside,  
chiseled,M-2-3405 A,with a cross at exact center point.  
No bearings available.

Thence N.86°48'E.

300.00 N.E.C.

A granite rock 24x10x6 ins.,set 18 ins.in the ground,with  
a conical mound of rock 1½ ft.high,2 ft.base alongside,  
chiseled M.N.E.C.3405 A,with a cross at exact center point.  
No bearings available.

600.00 To Cor.No.3.

Feet Survey No.3405 A & B. Manhattan lode continued.

A granite rock 30x14x10 ins., set 18 ins. in the ground, with a conical mound of stone  $1\frac{1}{2}$  ft. high, 2 ft. base alongside, chiseled, M-3-3405 A, with a cross at exact center point.

No bearings available.

Thence S.  $4^{\circ}46'$  W.

1500.00 To Cor. No. 4, identical with Cor. No. 3, Empire lode of this survey, previously described.

Thence S.  $86^{\circ}48'$  W.

300.00 S.E.C., identical with N.E.C. Empire lode of this survey, previously described.

600.00 To Cor. No. I, the point of beginning.

Variation at all corners  $15^{\circ}55'$  E.

Lode lines.

As near as can be determined from present developments, the veins of the several locations embraced in this survey, extend as follows from their respective discovery points.

EMPIRE LODGE--1498 ft. S.  $3^{\circ}12'$  E. and 2 ft. N.  $3^{\circ}12'$  W.

MANHATTAN LODGE--1498 ft. N.  $4^{\circ}46'$  E. and 2 ft. S.  $4^{\circ}46'$  W.

EMPIRE MILL SITE.

Survey No. 3405 B.

Beginning at Cor. No. 1, identical with a corner of the location, and with Cor. No. 3, Survey No. 823 Golden Gate Mill Site.

A pine post 4 ft. long, 4 ins. square, set 2 ft. in the ground, in mound of stone, scribed E-1-3405-B. Whence U.S.M.M. No. 2, (erected in connection with survey No. 823 Golden Gate M.S.) bears N.  $27^{\circ}10'$  W. 1620 ft. The  $\frac{1}{4}$  section corner between sections 31 and 32, T. 31 N. R. 17 W. G. & S. R. M. (unapproved survey), bears N.  $33^{\circ}27'$  W. 1378 ft. Cor. No. 2 Manhattan lode Sur. No. 3405 A, bears S.  $10^{\circ}32'$  E. 25704 ft.

No other bearings available.

Thence S.  $46^{\circ}40'$  E.

330.00 To Cor. No. 2, identical with a corner of the location and with Cor. No. 4, Survey No. 823 Golden Gate Mill Site.

A pine post post 4 ft. long, 4 ins. square, set 2 ft. in the ground, in mound of stone, scribed, E.M.S. 2-3405 B.

Feet Survey No.3405 B- Empire Mill Site continued.

No bearings available.

Thence S.43°20'W.

660.00 To Cor.No.3, identical with corner of location and with Cor.No.5, Sur.No.823 Golden Gate M.S.

A pine post 4 ft.long, 4 ins.square, set 2 ft.in the ground, in mound of stone, scribed, E.M.S.3-3405 B.

No bearings available.

Thence N.46°40'W.

330.00 To Cor.No.4, identical with corner of location and with Cor.No.2, Sur.No.823 Golden Gate M.S.

A pine post 4 ft.long, 4 ins.square, set 2 ft in the ground, with mound of stone, scribed, E.M.S.4-3405 B.

No bearings available.

Thence N.43°20'E.

660.00 To Cor.No.1, the point of beginning.

Variation at all corners 15' 55" E.

AREAS.

Acres.

Total area EMPIRE lode 20.661

Total area MANHATAN lode 20.462

Total area Empire M.S. 5.000

Area in conflict with

Golden Gate M.S.Sur.No.823 5.000

The survey of each lode of this location is identical with the respective location as monumented upon the ground.

Location.

in

This survey is located the lodes N.W.¼ of the N.W.¼ of sec.

33 and the W.½ of the S.W.¼ of sec.28 T.30 N.R.17 W., and

the M.S.in the S.W.¼ of sec.32, T.31 N.R.17 W.G.& S.R.M.

(unapproved survey).

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of, each of the locations embraced in said mining claim by the claimant or her grantors is not less than five hundred dollars, and that said improvements consist of:

Sur.No.3405 A & B,Continued.

Manhatan lode

No.1-The discovery cut of the Manhatan lode,the top of the cut being the discovery point,is on the center line 2 ft. from the center of line I-4,5 ft.wide,10 ft.face,running N.4°46'E.20 ft.to mouth.

Value of cut \$ 50.00

No.2-A tunnel,the mouth of which is on the center line, 700 ft.from the center of line I-4,bearing S.4°46'W. 100 ft.4x6 ft.,in hard ledge matter.

Value of tunnel \$ 700.00

Empire lode.

No.1-The discovery cut of the Empire lode,the center of which is the discovery point,is on the center line 2 ft. from the center of line 2-3,4x5 ft.,2 ft.deep,bearing N.3°12'W.2 ft.,and S.3°12'E.2 ft.,Cut is a cross cut across projecting ledge to even with the surface of the ground.

Value, \$5.00

No.2--A cut,the face of which is on the center line,200 ft. from the center of line 2-3,5 ft.wide,10 ft.face,bearing S.3°12'E.,20 ft.to mouth.

Value of cut \$50.00

No.3--A tunnel,the mouth of which is on the center line, 320 ft.from the center of line 2-3,4x6 ft.,bearing N.3°12'W. 100 ft.

Value of tunnel \$600.00

No.4--A tunnel,the mouth of which is on the center line, 406 ft.from the center of line 2-3,4x6 ft.,bearing S.3°12'E. 210 ft.

Value of tunnel \$1050.00

No.5-- A cut,the mouth of which is on the center line, 1079 ft.from the center of line 2-3,4 ft.wide,10 ft.face, bearing S.3°12'E.20 ft.

Value of cut \$50.00

INSTRUMENT.

This survey was made with a Lietz Mining Transit,No.460. The courses were deflected from the true meridian,as

Sur.No.3405 A & B. Instrument continued.

determined by direct astronomical observations.The distances were measured with 50 and 200 ft.steel tapes.

MERIDIAN.

July 10,1917,I wish to observe Polaris at eastern elongation.

My latitude,U.S.G.S.is 35°58'

	H.	M.
U.C.July 10,Nautical Almanac	6---	20.0 A.M.
Time to subtract for elongation	5---	55
	-----	
	00	25.0

About 12pm I commence observing the eastern progress of Polaris;when the star begins to recede I mark the maximum position in azimuth upon the ground.From Table IV the corresponding azimuth is 1°24'.July 11,I lay off the meridian 1°24' to the west of the line of sight.

Meridian in survey of Empire M.S. Sur.No.3405-B.

July 9,1917,I wish to observe Polaris at eastern elongation;

My latitude is,U.S.G.S.36°02'

	H.	M.
U.C.July 9,Nautical Almanac	6----	23.9 A.M.
Time to subtract for elongation	5 ---	55
	-----	
	0----	28.9

About 12pm I commence observing the eastern progress of Polaris;when the star begins to recede I mark the maximum position in azimuth upon the ground.From Table IV the corresponding azimuth is found to be 1°24'.July 10 I lay off the meridian 1°24' to the west of the line of sight.

REPORT.

The lode line of each location of this claim was run directly upon the ground,and the several corners established by means of offsets from the lode lines.All tie lines were run either directly upon the ground or by traverses run upon the ground and submitted in a separate report herewith.

The two U.S.Mineral Monuments ,Nos.1 and 2 erected in the year 1887 in connection with the official surveys of the Golden Gate and Golden Gate Mill Site,surveys Nos.822 and 823 respectively,are each standing and in first class condition.U.S.M.M.No.1 is a conical mound of rock well

Survey No.3405 A & B--Report continued.

laid, 6 ft. in diameter at base and six feet in height, with a pine post 6 ins. square projecting 4 ft. above the top of the mound. No markings legible. Corner No. 2, survey No. 822 bears N. 45° 05' E. 706 ft. A large Yucca tree 12 ins. in diam., bears N. 58° 70' W. 2902 ft., scribed U.S.M.M. No. 1 L.B.M.D.-B.P.I.

U.S. Mineral Monument No. 2, is a conical mound of rock, 6 ft. in diam. at base, 6 ft in height, with a limestone rock 30x18x10 ins., firmly embedded in top of mound, chiseled U.S.M.M. No. 2. No other markings visible. A point on north edge of a narrow ledge of sandstone, overhanging a small cave, chiseled, U.S.M.M. No. 2-L.B.M.D.-B.P. 2, bears N. 61° 50' E. 809 ft. The Empire mill site is identical with survey No. 823, Golden Gate mill site. The old posts are still standing, but the markings can be made out with difficulty.

There are no buildings or machinery upon the ground at this time. The  $\frac{1}{4}$  section corner between sections 31 and 32 T. 31 N. R. 17 W. is a three quarter <sup>inch</sup> iron pipe projecting one ft. above a stone mound, with brass cap, stamped  $\frac{1}{4}$  S. Sec. 31 and Sec. 32. (unapproved survey).

The corner common to sections 28, 29, 32 and 33 T. 30 N. R. 17 W. G. & S. R. M. (unapproved survey) is an iron pipe 2 ins. diam., projecting one ft. above a rock mound, with brass cap, stamped Sec. 28, Sec. 29, Sec. 32, Sec. 33, T. 30 N. R. 17 W.

The nearest official where the assistant could be sworn, was over 50 miles, so I took his affidavit upon the ground.

*O. M. Enslow*

U.S. Mineral Surveyor.

JUL 25 1917

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by J. M. Enselow  
 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 \_\_\_\_\_

Agnes Scoulon  
 known as the Empire, Manhattan Lodes & Empire Mill Site  
 and showing the respective capacities in which they acted.

John Caswell \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, J. John Caswell  
 and \_\_\_\_\_, do solemnly swear that we assisted \_\_\_\_\_

J. M. Enselow, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Agnes Scoulon

known as the Empire, Manhattan Lodes and Empire Mill Site  
 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 ~~my~~ 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

\_\_\_\_\_, Chainman.  
John Caswell \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman

Subscribed and sworn to by the above-named persons before me this 13th

day of July, 1917

J. M. Enselow  
 U.S. Mineral Surveyor

(4-686.)

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

I, O. M. Enslow, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 18, 1917, 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 Agnes Scanlon, known as the Empire, Manhattan Lodes and Empire Hillside, situate in Lost Basin Mining District, Mohave County, Arizona, in Sections 28 & 33, Township No. 30 N 31 N, Range No. 17 W 17 W } unapproved, and designated as Survey No. 5405 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 her 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.

O. M. Enslow  
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said O. M. Enslow  
 U. S. ~~Deputy~~ Mineral Surveyor, before me a notary public in  
and for the State of Arizona this 24<sup>th</sup>  
 day of July, 1917.

My commission  
 expires Jan. 10, 1920.  
 o 3-164

D. D. Stewart  
 Notary Public

# NOTICE OF MINING LOCATION

## LODE CLAIM

JUN 18 1917

TO ALL WHOM IT MAY CONCERN:

This Mining Claim; the name of which is the Empire 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 Agnes Scanlan, who is a citizen of the United States.

(Locator must insert either "a citizen of the United States" or "who has declared his intention to become a citizen of the United States.")

the undersigned, on the first day of January 1912.

The length of this claim is Fifteen Hundred (1500) feet, and I claim fifteen hundred feet in a Southerly direction and

~~this monument~~ ~~the center of the discovery shaft~~ ~~to the center of the discovery shaft~~ 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 Lost Basin Mining District, in Mohave County, in the State of Arizona, about six miles in a southerly direction from the mouth of Wallapai Wash where it enters the Colorado River.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

~~at a point~~ ~~the monument~~ ~~the discovery shaft~~ direction North feet from the monument (at which this notice is posted), being in the center of the North end line of said claim; thence Three Hundred feet to a monument of stone, being the North West corner of said claim: thence Fifteen Hundred feet to a monument being at the South west corner of said claim; thence three hundred feet to a monument at the center of the South end of said claim; thence Three Hundred feet to a monument being at the South East corner of said claim; thence fifteen hundred feet to a Monument, at the North East, corner of said claim; thence three hundred 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 first day of January 1912.

Witness

C. D. Childers.

Locator,

Agnes Scanlan.

Filed and recorded at request of Mrs A. Scanlan, this 7th day of Febry 19 12 at 9:50 o'clock A M. in Book HH at page 12.

J. W. Morgan,  
County Recorder.

# NOTICE OF MINING LOCATION

## LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim; the name of which is the Manhatan 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 Agnes Scanlan, a citizen of the United States.

(Locator must insert either "a citizen of the United States" or "who has declared his intention to become a citizen of the United States.")

the undersigned, on the First day of January 19 12.

The length of this claim is Fifteen Hundred (1500) feet, and I claim Fifteen Hundred (1500) feet in a Northerly direction from ~~the center of the discovery shaft~~ monument ~~XXXX~~ direction XXXX 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 Lost Basin Mining District, in Mohave County, in the Territory State of Arizona, about six miles in a Southernly direction from the mouth of the Walapai Wash where it enters the Colorado River, it is a relocation of the Mono Mining claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

~~XXXXXX~~ direction ~~XXXXXX~~  
the monument XXXXXX  
~~the discovery shaft~~ (at which this notice is posted), being in the center of the south end line of said claim; thence three hundred feet to a Monument of stone being the south west corner of said claim; thence fifteen hundred feet to a monument being at the North west corner of said claim; thence three hundred feet to a monument at the center of the North end of said claim; thence three hundred feet to a Monument, being at the North East corner of said claim; thence Fifteen hundred feet to a monument at the South East corner of said claim; thence Three hundred 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 First day of January 1912

Locator

Agnes Scanlan.

Witness

C. D. Childers

Filed and recorded at request of Mrs A. Scanlan, this 7th day of Febry A.D. 1912 at 9:50 o'clock A. M. in Book HH at page 13.

J. W. Morgan,

County Recorder.

NOTICE OF LOCATION  
of a  
Mill Site.

Notice is hereby given that the undersigned citizen of the United States, has located a Mill Site, under the provisions of Chapter Six Title thirty two, of the Revised Statutes of the United States in connection with the Empire and Manhattan quartz mines in the County of Mohave, State of Arizona. I also claim the waters on said Mill Site known as the Empire Mill Site, and the water flowing from the spring or springs on said mill site, sometimes known as Gans Spring. The use of said water is for mining and milling purposes to be used upon the ground, the exterior boundaries being described as follows:

Beginning at this monument and notice, and running 165 ft in a westerly direction to a monument of stone at the South Westerly corner of claim, Thence in a Northerly direction 660 feet to a monument of Stone, at the northwesterly corner of claim. Thence easterly 330 feet to a monument of stone at the north east corner of claim. Thence southerly 660 feet to a monument of stone, at the south east corner of claim, Thence westerly 165 feet to the point of beginning.

Dated on the ground this first day of June, 1917, This claim is located on the south side of Wallapai Wash about one half mile above where said wash empties into the Colorado River.

Agnes Scanlon.

Locator.

Filed and recorded at request of Agnes Scanlon, June 15th, AD 1917 at 55 minutes past 11 o'clock A.M. in Book 2 of Mill Sites & Water Rts., pages .... Records of Mohave County, Arizona

H. L. Underwood,  
County Recorder.

STATE OF ARIZONA }  
County of Mohave } ss.

I, .....H. L. Underwood,....., Recorder of Mohave County, State of Arizona,  
do hereby certify that I have compared the foregoing copy of location notices of.....  
Manhatan and Empire mining claim and Empire mill site.....  
and of the endorsement thereon with the original records of the same on file in this office, and  
that the same are correct transcripts therefrom and of the whole  
of said original records.

WITNESS my hand and the seal of said office this ...15th.

day of .....June..... 1917.

*H. L. Underwood*  
Recorder of Mohave County, Arizona.



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

April 24, 1918

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

Agnes Scanlon

known as the EMPIRE, MANHATAN LODES AND EMPIRE MILL SITE.

situate in LOST BASIN

Mining District, MOHAVE County, ARIZONA.

in Section S 28 & 33, Township No. 30 N., Range No. 17 W., unapp'd. and Sec. 32, " 31 N., " 17 W., " designated as Survey No. 3405, 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 each of said mining claims by claimant or her grantors, and that said improvements consist of 4 cuts and 3 tunnels, total value \$2505.

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.