

4-683

*Platted*

NOV 17 1917

MINERAL SURVEY No. 3380

LOT No. \_\_\_\_\_

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Ray Development Company

KNOWN AS THE

Virginia, Portland, Monument, Gold Coin and Independence  
Lodes

Mineral Creek Mining District,

Pinal County, Arizona

Sections 34 and 35, Township 2 S, Range 13 E unapproved

Surveyed under instructions dated April 4, 1917

by Oliver C. Thompson  
U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced April 12, 1917

Survey completed April 20, 1917

Address of claimant's Atty., Hampton & Arnold, Phoenix, Ariz

DATES OF AMENDED LOCATIONS.

All amended March 29, 1917

MINERAL SURVEY NO. 3380.

VIRGINIA Lode.

Beginning at Cor. No.1, an andesite stone 7 x 7 x 16 ins. set 4 inches in the ground to bedrock, surrounded by a mound of stone, and chiseled 1-V-3380, X at corner point and mound of stone alongside.

A X chiseled on an andesite rock in place with the letters BR-1-V-3380 brs. N. 16° 58' 30" E. 12.51 ft.

The 1/4 Cor. between Secs. 34 and 35, T. 2 S., R. 13 E., unapproved, bears N. 43° 12' W. 522.51 ft.

U.S.L.M. No. 3380 bears N. 37° 15' 23" E. 2567.95 ft.

Thence S. 46° 08' 30" W.

300.00S. E. End Center, a monument of stone.

600. To Cor. No.2, an andesite stone 5 x 9 x 23 ins., set 12 ins. in the ground, chiseled 2-V-3380, X at corner point, mound of stone alongside.

A X chiseled on an andesite rock in place 4 x 6 x 2 ft. above ground, with the letters BR-2-V-3380, brs. N. 49° 12' 30" E. 3.60 ft.

Cor. No.3, Monument lode of this survey bears N. 19° 30' W. 460.23 ft.

Thence N 43° 21' 30" W.

251. cross 14 in. pipe line, brs. SW and NE

277. Center of Mineral Creek, flows SW.

1495.81 To Cor. No.3, a sandstone 7 x 11 x 19 ins., set 12 ins. in the ground, chiseled 3-V-3380, X at corner point, mound of stone alongside. No bearings available.

Thence N. 46° 08' 30" E.

300. N. W. End Center, a monument of stone.

600. To Cor. No.4, an andesite stone 6 x 10 x 21 ins., set 12 ins. in the ground, chiseled 4-V-3380, X at corner point, mound of stone alongside.

A X chiseled on andesite boulder 10 x 18 x 9 ft. above ground, with the letters BR-4-V-3380, brs. S. 25° 55' 30"



E. 45.89 ft.

Thence S.  $43^{\circ} 21' 30''$  E.

- 710.96 Intersect line 3-4 Monument lode of this survey at N.  $4^{\circ} 54'$  E. 554.51 ft. from Cor. No.3.
- 1031.00 Cross 14 in. pipe line brs. SW and NE.
- 1080.00 Center of Mineral Creek, flows SW.
- 1391.32 Intersect line 2-3 Monument lode of this survey at N.  $83^{\circ} 35'$  E. 517.77 ft. from Cor. No.3.
- 1495.81 To Cor. No.1, the place of beginning.

PORTLAND Lode.

Beginning at Cor. No.1, a sandstone 6 x 8 x 17 ins., set 10 ins. in the ground chiseled 1-P-3380, X at Cor. point, mound of stone alongside. A screw driven into a X cut on a mesquite tree, 7 ins. diam., scribed with the letters BT 1-P-3380 brs. N.  $47^{\circ} 59'$  E. 51.87 ft. Whence

The S. Corner of the Greenwood lode, unsurveyed, bears S.  $59^{\circ} 30'$  W. 529.22 ft.

Cor. No.2 of the Independence lode of this survey bears S.  $58^{\circ} 11'$  E. 580.89 ft.

U. S. L. M. No. 3380 bears N.  $81^{\circ} 03' 30''$  E. 200.87 ft.

Thence S.  $4^{\circ} 54'$  W.

- 239.90 Intersect line 2-3 of the Independence lode of this survey at S.  $82^{\circ} 33'$  E. 981.53 ft. from Cor. No.3.
- 300.00 E. End Center, a mon. of stone.
- 600.00 To Cor. No.2, a sandstone 8 x 8 x 16 ins., set 8 ins. in the ground, chiseled 2-P-3380, X at corner point, mound of stone alongside. No bearings available.

Thence S.  $83^{\circ} 35'$  W.

- 300.00 Cor. No.1 of the Gold Coin lode of this survey.
- 730.00 Center of Mineral Creek, flows South.
- 800.00 Center of Devil's Canon flows SE.
- 947.00 Cross 14 in. pipe, course NNE and SSW.
- 1500.00 To Cor. No.3, an andesite stone 11 x 12 x 20 ins., set on bed rock securely in a mound of stone, chiseled 3-P-



3380, X at Cor. point. Mound of stone alongside.

A X on an andesite boulder 30 x 34 x 24 ins. above ground chiseled BR-3-P-3380 bears S. 52° 38' E. 9.85 ft.

Thence N. 4° 54' E.

300.00 W. End Center, a monument of stone.

590.00 S. Bank Devil's Cañon.

600.00 To Cor. No.4, an andesite boulder in place 30 x 40 x 60 ins ins., chiseled 4-P-3380, X at corner point. A mon. of stone alongside.

A X on an andesite boulder 5 x 5 x 2½ ft. above ground chiseled BR-4-P-3380 bears S. 80° 31' W. 43.34 ft.

Thence N. 83° 35' E.

40.00 N. bank of Devil's Cañon.

500.00 Cor. No.3 of the Independence lode of this survey.

644.53 Intersect south line of Greenwood lode, unsurveyed, at N. 66° 18' W. 430.46 ft. from the S. corner, and 123.80 ft. from its intersection with line 2-3 of the Independence lode of this survey.

781.00 Cross 14 in. pipe line, course SW and NE.

850.00 Center of Mineral Creek flows SW.

1417.13 Intersect E. line of Greenwood lode, unsurveyed, at N. 55° 14' E. 454.80 ft. from its S. corner (and ~~327.11 ft. from its intersection with line 2-3 of the Independence lode of this survey.~~)

1500.00 To Cor. No.1, the place of beginning.

MONUMENT Lode.

Beginning at Cor. No.1, identical with Cor. No.2 of the Gold Coin lode of this survey, an andesite stone 6 x 11 x 14 ins., set 6 ins. in the ground to bedrock, chiseled 1-M-2-GC-3380, X at corner point, and mound of stone alongside.

A X on a brown limestone ledge 6 x 10 x 4 ft. above ground, chiseled BR-1-M-3380, bears S. 64° 39' E. 65.13 ft.

U.S.L.M. No. 3380 brs. N. 25° 25' 24" E. 1395.50 ft.



Thence S.  $4^{\circ} 54' W.$   
 300.00 To E. End Center, a mon. of stone.  
 600.00 To Cor. No.2, a sandstone 6 x 14 x 20 ins., set 12 ins. in the ground, chiseled 2-M-3380, X at corner point, mound of stone alongside.

A X on a brown sandstone boulder 6 x 6 x 10 feet above ground, chiseled BR-2-M-3380, bears N.  $59^{\circ} 04' E.$   
 89.62 ft.

Thence S.  $83^{\circ} 35' W.$

982.23 Intersect line 4-1 of the Virginia lode of this survey at S.  $43^{\circ} 21' 30'' E.$  1391.32 ft. from Cor. No.4, ~~and 680.36 ft. from its intersection with line 3-4 of this lode.~~

1340.00 Center of Mineral Creek flows SSW.

1390.00 Cross 14 in. pipe line, course SSW and NNE.

1500.00 To Cor. No.3, an andesite stone 7 x 12 x 21 ins., set on exposed bedrock in mound of stone, (A X is chiseled on bedrock at corner point,) chiseled 3-M-3380, X at corner point, mound of stone alongside.

A X chiseled on an andesite stone in place 10 x 20 x 4 ft. above ground, chiseled BR-3-M-3380 brs. N.  $21^{\circ} 28'$   
 E. 17.75 ft.

Thence N.  $4^{\circ} 54' E.$

300.00 W. End Center, a mon. of stone.

554.51 Intersect line 4-1 of the Virginia lode of this survey at S.  $43^{\circ} 21' 30'' E.$  710.96 ft. from Cor. No.4.

600.00 To Cor. No.4, identical with Cor. No.3 of the Gold Coin lode of this survey. An andesite stone 6 x 10 x 19 ins., set 12 ins. in the ground, chiseled 4-M-3-GC-3380, X at corner point, mound of stone alongside.

A X on an andesite rock in place 4 x 8 x 2 ft. above ground, chiseled BR-3-GC-3380 brs. N.  $54^{\circ} 32' E.$   
 21.02 ft.

Thence N.  $83^{\circ} 35' E.$

635.00 Cross 14 in. pipe, course SSW and NNE.

995.00 Center of Mineral Creek, from N. and flows SW.



1500.00 To Cor. No.1, the place of beginning.

INDEPENDENCE Lode.

Beginning at Cor. No.1, a sandstone 6 x 11 x 20 ins., set 12 ins. in the ground, chiseled 1-I-3380, X at corner point, mound of stone alongside.

A X on a sandstone boulder 3 x 5 x 1.5 ft. above ground chiseled BR-1-I-3380 brs. N. 53° 56' E. 32.68 ft.

U. S. L. M. No. 3380 brs. S. 53° 04' 37" W. 433.34 ft.

Thence S. 4° 54' W.

300.00 TO E. End Center, a mon. of stone.

350.00 Gulch, course WNW.

600.00 To Cor. No.2, a diabase stone 6 x 9 x 24 ins., set 12 ins. in the ground, chiseled 2-I-3380, X at corner point.

No bearings available.

Thence N. 82° 33' W.

518.47 Intersect line 1-2 Portland lode of this survey at S. 4° 54' W. 239.90 ft. from Cor. No.1.

851.89 Intersect east line of Greenwood lode, unsurveyed, at N. 55° 14' E. 127.69 ft. from its South Cor.

1190.00 Center of Mineral Creek flows SSW.

1240.82 Intersect S. line Greenwood lode, unsurveyed, at S. 66° 18' E. 265.81 ft. from its West Corner, and N. 66° 18' W. 306.66 ft. from its S. Cor.

1500.00 To Cor. No.3, on line 4-1 Portland lode of this survey, at S. 83° 35' W. 1000 ft. from Cor. No.1. Cor. No.3 is a banded white and pink sandstone 6 x 12 x 19 ins., set on bedrock securely in a mound of stone, chiseled 3-I-3380, X at corner point.

A X on an andesite rock in place 2 x 4 x 1 ft. above ground brs. N. 36° 58' E. 17.27 ft.

W. Cor. of Greenwood lode, unsurveyed, brs. N. 10° 31' E. 74.48 ft.

Thence N. 4° 54' E.

- 300.00 W. End Center, a mon. of stone.
- 600.00 To Cor. No.4, an andesite stone 8 x 8 x 15 ins., set on bedrock securely in a mound of stone, chiseled 4-I-3380, X at corner point, a mound of stone alongside.
- A X on an andesite rock in place 1.5 x 2.5 x 1 ft. above ground brs.S.59° 10' W. 11.14 ft.
- Thence S. 82° 33' E.
- 609.29 Intersect west line of Greenwood lode, unsurveyed, at N. 55° 14' E. 781.34 ft. from the west corner.
- 773.00 Cross 14 in. pipe, course SW and NE.
- 870.00 Center of Mineral Creek flows SW.
- 1335.43 Intersect the east line of Greenwood lode, unsurveyed, at N. 56° 14' E. 1019.71 ft. from the S. corner, (~~892.02 ft. from its intersection with line 2-3 of this lode, and 564.91 ft. from its intersection with line 4-1 of the Portland lode of this survey.~~)
- 1500.00 To Cor. No.1, the place of beginning.

GOLD COIN Lode.

Beginning at Cor. No.1, on line 2-3 Portland lode of this survey, at S. 83° 35' W. 300 ft. from Cor. No.2. A sandstone 5 x 10 x 17 ins., set 8 ins. in the ground to bedrock, chiseled 1-GC-3380, X at Cor. point. No bearings available.

U.S.L.M. No. 3380 bears N. 39° 35' 07" E. 859.70 ft.

Thence S. 4° 54' W.

- 300.00 E. End Center, a mon. of stone.
- 600.00 To Cor. No.2, identical with Cor. No.1 of the Monument lode of this survey, previously described.
- Thence S. 83° 35' W.
- 505.00 Center of Mineral Creek from N and flows SW
- 865.00 Cross 14 in. pipe, course SSW and NNE
- 1500.00 To Cor. No.3, identical with Cor. No.4 of the Monument lode of this survey, previously described.



Thence N. 4° 54' E.

- 300.00 To W. End Center, a mon. of stone.  
 600.00 To Cor. No.4, an andesite stone 6 x 7 x 20 ins., set 12 ins. in the ground, chiseled 4-GC-3380, X at cor. point, mound of stone alongside.

A X on an andesite boulder 8 x 15 x 4 ft. above ground, chiseled 4-GC-3380 brs. N. 88° 41' E. 17.05 ft.

Thence N. 83° 35' E.

- 300.00 To Cor. No.3 of the Portland lode of this survey.  
 853.00 Cross 14 in. pipe, course SSW and NNE.  
 1000.00 Center of Devil's Cañon, flows SE.  
 1070.00 Center of Mineral Creek flows S.  
 1500.00 To Cor. No.1, the place of beginning.

Magnetic variation at all corners 14° 20' E.

All the corners of this survey are identical with their respective locations.

#### LODE LINES.

As nearly as can be determined from present developments, the veins of the several locations embraced in this claim extend as follows from their respective discovery points and terminate at their respective end centers;

Independence lode, S. 82° 33' E. 270 ft., and N. 82° 33' W. 1230 ft.

Portland lode, N. 83° 35' E. 100 ft. and S. 83° 35' W. 1400 ft.

Gold Coin lode, N. 83° 35' E. 370 ft. and S. 83° 35' W. 1130 ft.

Monument lode, N. 83° 35' E. 1000 ft. and S. 83° 35' W. 500 ft.

Virginia lode, S. 43° 21' 30" E. 280 ft. and N. 43° 21' 30" W. 1215.81 ft.



## AREAS.

Total area Independence lode,	20.641 Acs.
Area in conflict with	
Portland lode, this survey,	2.700 ✓
Greenwood lode, unsurveyed,	9.704
Greenwood lode, unsurveyed, exclusive of its conflict with Portland lode of this survey,	8.173 ✓
Total area Portland lode,	20.654 ✓
Area in conflict with	
Greenwood lode, unsurveyed,	1.915 ✓
Total area Gold Coin lode,	20.654 ✓
Total area Monument lode,	20.654 ✓
Total area Virginia lode,	20.603 ✓
Area in conflict with	
Monument lode of this survey,	3.231 ✓

## LOCATION.

This survey is located in the E $\frac{1}{2}$  of Sec. 34 and the W $\frac{1}{2}$  of Sec. 35, T. 2 S., R. 13 E., unapproved.

## EXPENDITURE OF FIVE HUNDRED DOLLARS.

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

## Independence.

No.1, the discovery cut and tunnel, the mouth of which is on the lode line N. 82° 33' W. 270 ft. from the E.E.C., the cut is 5 x 9 x 12 ft. face and its center line bears S. 38° 08' W. 9 ft. to face, thence same course, tunnel 4 x 6 x 77 ft. At 44 ft. from portal there is a cross cut on left 4 x 6 x 5 ft.

Value, \$850.00

## Portland.

No.1, the discovery cut and tunnel, the mouth of which is on the lode line S. 83° 35' W. 100 ft. from



E.E.C. Cut is 5 x 15 x 8 ft. face, brg. S. 52° 42' W. 15 ft. to face, thence, same course, tunnel 4 x 6 x 99 ft. At 38 ft. from portal there is a cross cut on left 4 x 6 x 12 ft.

Value, \$1130.00

#### Gold Coin.

No.1, the discovery cut and tunnel, the mouth of which is on the lode line S. 83° 35' W. 370 ft. from the E.E.C. Cut 4 x 16 x 12 ft. face, brg. N. 62° 10' E. 16 ft. to face, thence, same course, tunnel 4 x 6 x 70 ft. At 43 ft. from portal there is a crosscut on left 4 x 4 x 6 ft.

Value, \$ 980.00

#### Monument.

No.1, the discovery cut and tunnel, mouth of which is on the lode line S. 83° 35' W. 1000 ft. from E.E.C. Cut 6 x 12 x 9 ft. face, brg. S. 5° 20' E. 12' to face, thence same course tunnel 4 x 6 x 83 ft.

Value, \$880.00

#### Virginia lode.

No.1, discovery cut and tunnel, the portal of tunnel is on lode line N. 43° 21' 30" W. 280 ft. from the S.E.E.C. brg. S. 55° E. Tunnel is 4 x 6 x 10 ft. Cut is 25 x 40 x 30 ft. face, mouth of cut bears N. 43° 21' 30" W. 300 ft. from S.E.E.C., and the bottom of cut inclines from mouth irregularly upward, the tunnel being driven into a vertical face about 10 ft. high.

Value, \$655.00

No.2, open cut 25 x 50 x 25 ft. face, brg. N. 55° W., S. W. Cor. of cut bears N. 9° W. 465 ft. from Cor. No.2.

Value, \$600.00

#### Other Improvements.

A tent house on the Gold Coin lode, 12 x 20 ft., the N. W. Cor. of which bears S. 87° E. 350 ft. from Cor. No. 3 of the Portland lode, long side bears N. 60° E.



INSTRUMENT.

This survey was made with a Buff & Buff transit No. 5998. The angles were deflected from the true meridian as determined by direct solar observation. The distances were measured with 100 and 500 ft. steel tapes.

ADJOINING CLAIMS.

None known except the Greenwood lode, unsurveyed, on the north, owner John Tillman.

REPORT.

The  $\frac{1}{2}$  Cor. between Secs. 34 and 35, T. 2 S., R. 13 E. is of the standard form and lettering now used by the G. L. O. in public land surveys.

The corners of the Greenwood lode, unsurveyed, are monuments of stone identified by the claimant, John Tillman.



Field Notes of the establishment of U. S. L. M.  
No. 3380, in Mineral Creek Mining District, Pinal  
County, Arizona.

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There being no U. S. Location Monument or corner of an approved public land survey within two miles of Mineral Survey No. 3380, I proceed to establish and erect a U. S. Location Monument as follows;

At latitude  $33^{\circ} 13' 04''$  N., Long.  $110^{\circ} 59' 45''$  W. as determined approximately from the U.S.G.S. map of the Ray Quadrangle, on the top of a small sandstone hill about 500 feet east of Mineral Creek, and on the south bank of the first principal gulch from the east that empties into Mineral Creek north of the mouth of Devil's Canon, I cut a X for the exact point of monument on a sandstone in place  $22 \times 24 \times 6$  ins. above the general surface, with the letters U.S.L.M. No. 3380 neatly chiseled thereon. Accurately centered over the X I placed in a truly vertical position an iron pipe 3 ins. in diam. and 9 ft.  $2\frac{3}{4}$  ins. long, having the letters U.S.L.M. No. 3380 chiseled around its upper end, and surrounded said pipe with a monument of stone 7 ft. base and 4 ft. high.

From said monument a prominent headland on the east side of Mineral Creek bears N.  $12^{\circ} 57'$  E. approximately  $1\frac{1}{4}$  miles.

A conical peak about 4700 ft. high bears <sup>N  $69^{\circ} 54'$  E</sup> approximately  $1\frac{3}{4}$  miles.

The south end of the crest of a high mountain bears S.  $72^{\circ} 45'$  E. approximately  $1\frac{1}{2}$  miles.

The top of a mountain bears S.  $39^{\circ} 22'$  E. approximately  $\frac{1}{2}$  mile.

The east end of the crest of Teapot mountain bears S.  $49^{\circ} 56'$  W. approx.  $2\frac{1}{2}$  miles.

A conspicuous needle or pichaco on sky line, bears N  $75^{\circ} 54'$  W approx. 2 miles.

A high point on the W. side of Mineral Creek brs. N.  $33^{\circ} 10'$  W approx. 1600 ft.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Oliver C. Thompson

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

The Ray Development Company

known as the Virginia, Portland, Monument, Independence, Gold Coin lodes

and showing the respective capacities in which they acted.

Clyde Newman, Chainman.

H. Graham, Chainman.

Arman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

We, Clyde Newman

and H. Graham, do solemnly swear that we assisted Oliver C.

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

the boundaries of the mining claim of The Ray Development Company

known as the Virginia, Portland, Monument, Independence, Gold Coin lodes

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

Clyde Newman, Chainman.

Harold Graham, Chainman.

Arman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 1

day of May, 1917

R. B. Boyett

Notary Public





AUG. 17. 1917 <sup>14</sup>

(4-686.)

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

I, Oliver C. Thompson, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 4 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 The Ray Development Company, known as the Virginia, Portland Monument, Gold Coin and Independence Lodes, situate in Mineral Creek Mining District, Pinal County, Arizona, in Sections 34 and 35, Township No. 2 S, Range No. 13 E unapproved, and designated as Survey No. 3380, 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.

Oliver C. Thompson  
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Oliver C. Thompson,  
U. S. ~~Deputy~~ Mineral Surveyor, before me H. S. Pinner  
Notary Public this 17<sup>th</sup>  
day of August 1917,

H. S. Pinner  
Notary Public



My Commission expires May 3, 1920.



AMENDED  
Notice of Mining Location  
LODE CLAIM

APR 13-1917

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the VIRGINIA  
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 The Ray Development Company, a Corporation organized and existing  
under and by virtue of the laws of the State of Arizona

(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 29th day of March, 1917.

The length of this claim is 1500 feet,  
and 79 claim 300 feet,  
in a S 43°14"E direction and

1200 feet in a N-43°14"W direction from  
mouth of the discovery tunnel 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  
east end center N 43° 14" W 1500-ft to the West end center

The claim is situated and located in the Mineral Creek Mining District, in  
Pinal County in the State of Arizona, about 3 miles  
in a northerly direction from the Town of Ray, Arizona.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at  
a point from which the quarter corner between sections 34 and 35 T 2-S R-13-E  
unapproved, bears N 43°04"E 520.51', thence S-46°16"W 300', thence N 43°14"W  
1500'; thence N-46°16"E 600', thence S-43°14"E 1500' to place of beginning. All  
corners marked by substantial monuments of sante.

at a point in a \_\_\_\_\_ direction \_\_\_\_\_ feet from  
the discovery shaft (at which this notice is posted), being in the center of the \_\_\_\_\_  
end line of said claim; thence \_\_\_\_\_ feet to a \_\_\_\_\_  
\_\_\_\_\_, being the \_\_\_\_\_ corner of said claim; thence  
\_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the center of the \_\_\_\_\_ end of said claim;  
thence \_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the \_\_\_\_\_ corner of said claim;  
thence \_\_\_\_\_ feet to the place of beginning.

All done under the provisions of the laws of the United States, and of the State of Arizona.

This is an Amended Location Notice of the Virginia  
Mining Claim, located by W.P. Dunham

on the 18th day of  
August, 1906, and recorded in Book A of Records of Mines, at  
page 20, in the office of the County Recorder of the aforesaid County of Pinal  
to which reference is hereby made, and this amended Location Notice is made and posted to correct  
errors in the description in the said original Location Notice

Dated and posted on the ground this 29th day of March, 1917.

BY THE RAY DEVELOPMENT COMPANY  
W.P. Dunham  
General Manager.

CEAN



STATE OF ARIZONA,

County of ..... } ss.

I, ....., County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at ..... o'clock ..... M., on this ..... day of ....., 19....., and duly recorded in Book No. .... of ..... Records of ..... County, Arizona, at pages .....

WITNESS my hand and official seal the day and year first above written.

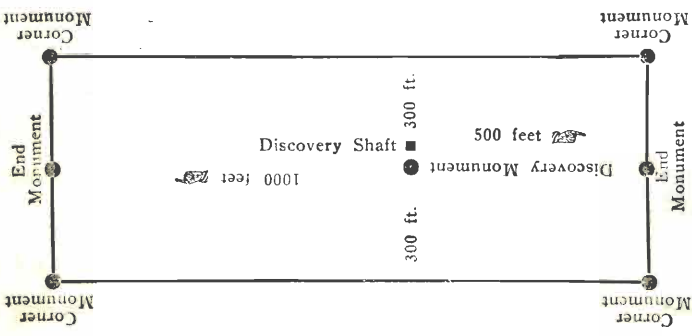
.....  
County Recorder.

INDEXED

COMPARED

AMENDED  
**Notice of Location**  
**LODE CLAIM**

Dated ....., 19.....  
Filed and Recorded at request of .....  
..... A. D. 19.....  
at ..... M.,  
Book .....  
Pages .....  
County Recorder.  
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

STATE OF ARIZONA, } ss.  
County of Pinal }  
I, W. L. BROWN, Recorder in and for the County of Pinal, State aforesaid, do hereby certify that the annexed instrument was filed and recorded at request of Ariz Hercules Copper on the ..... day of MAR 3 1917 A. D., 191... at 9 minutes past ..... o'clock A.M. in Book No. ... of MINES Page 10  
WITNESS my hand and official seal ..... day of MAR 3 1917 A. D. 191...  
By W. L. BROWN Recorder.  
W. L. BROWN Deputy.



APR 15 - 1917

AMENDED  
Notice of Mining Location  
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the PORTLAND  
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 The Ray Development Company, a Corporation, organized and existing  
under and by virtue of the laws of the State of Arizona.

(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 29th day of March, 1917.

The length of this claim is 1500 feet,  
and we claim 100 feet,  
in a N 83°42½"E direction and 1400  
feet in a S 83°42½"W direction from  
the mouth of the tunnel 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  
east end center S 83°42½"W 1500' to the west end center

The claim is situated and located in the Mineral Creek Mining District, in  
Pinal County in the State of Arizona, about 3½ miles  
in a northerly direction from the Town of Ray

The surface boundaries of the claim are marked upon the ground as follows: Beginning at  
a point from which the quarter corner, between sections 34 and 35, unapproved  
T-2-S-R-13-E, bears S 11°19'W, 892.86', thence N 5°01½'E 600', thence N-83°42½'E  
1500', thence S 5°01½'W 600', thence S 83°42½'W 1500' to place of beginning. All  
corners marked by substantial monuments of state.  
at a point in a \_\_\_\_\_ direction \_\_\_\_\_ feet from

the discovery shaft (at which this notice is posted), being in the center of the \_\_\_\_\_  
end line of said claim; thence \_\_\_\_\_ feet to a \_\_\_\_\_  
\_\_\_\_\_, being the \_\_\_\_\_ corner of said claim; thence  
\_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the center of the \_\_\_\_\_ end of said claim;  
thence \_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the \_\_\_\_\_ corner of said claim;  
thence \_\_\_\_\_ feet to the place of beginning.

All done under the provisions of the laws of the United States, and of the State of Arizona.

This is an Amended Location Notice of the PORTLAND  
Mining Claim, located by W.P. Dunham  
on the 18th day of  
August, 1906, and recorded in Book A of Records of Mines, at  
page 19, in the office of the County Recorder of the aforesaid County of Pinal  
to which reference is hereby made, and this amended Location Notice is made and posted to correct  
errors in the description in the said original Location Notice \_\_\_\_\_

Dated and posted on the ground this 29th day of March, 1917.

THE RAY DEVELOPMENT COMPANY  
BY [Signature]  
General Manager.



STATE OF ARIZONA,

County of ..... ss.

I, ....., County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at ..... o'clock ..... M., on this ..... day of ....., 19....., and duly recorded in Book No. .... of ..... Records of ..... County, Arizona, at pages .....

WITNESS my hand and official seal the day and year first above written.

County Recorder.

AMENDED  
Notice of Location  
LODE CLAIM

Dated ....., 19.....

Filed and Recorded at request of .....

..... A. D. 19.....

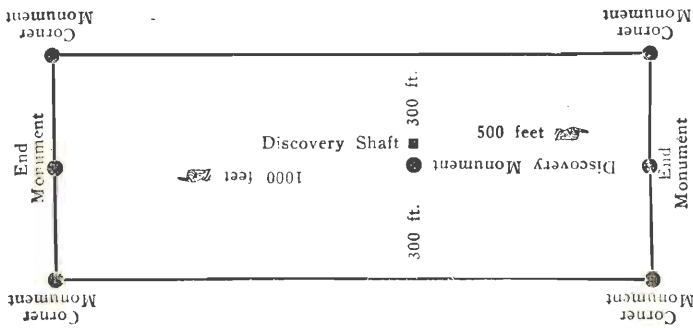
at ..... M.,

Book .....

Pages .....

County Recorder.

Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

STATE OF ARIZONA, } ss.  
County of Pinal

I, W. L. BROWN, Recorder in and for the County of Pinal, State aforesaid, do hereby certify that the annexed instrument was filed and recorded at request of Arizona Hercules Copper Co on the MAR 3 1 1917 day of MAR 3 1 1917 at Mines 9 o'clock A M., in Book No. 57 of MINES Page 9

WITNESS my hand and official seal day of MAR 3 1 1917, 1917  
W L BROWN  
Recorder.

By W L BROWN Deputy.

INDEXED

8858

4115-1917

AMENDED  
Notice of Mining Location  
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Monument  
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 The Ray Development Company, a Corporation, Organized and existing  
under and by virtue of the laws of the State of Arizona.

(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 29th day of March, 1917.

The length of this claim is 1500 feet,  
and we claim 1000 feet,  
in a N 83°42½" E direction and 500  
feet in a S 83°42½" W 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  
East end center S-83°42½" W to the west end center

The claim is situated and located in the Mineral Creek Mining District, in  
Pinal County in the State of Arizona, about 3½ miles  
in a northerly direction from the Town of Ray, Arizona.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at  
a point from which the quarter corner between sections 34 and 35, T-3 S R-13-E unapproved  
bears N-32°52"E 420.17', thence N 5°01½"E 600', thence N 83°42½"E 1500-ft, thence S  
50°1½"W 600', thence S-83°42½"W 1500' to place of beginning. All corners marked  
by substantial monuments of stone at a point in a \_\_\_\_\_ direction \_\_\_\_\_ feet from  
the discovery shaft (at which this notice is posted), being in the center of the \_\_\_\_\_  
end line of said claim; thence \_\_\_\_\_ feet to a \_\_\_\_\_  
\_\_\_\_\_, being the \_\_\_\_\_ corner of said claim; thence  
\_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the center of the \_\_\_\_\_ end of said claim;  
thence \_\_\_\_\_ feet to a \_\_\_\_\_ being at the  
\_\_\_\_\_ corner of said claim; thence \_\_\_\_\_ feet  
to a \_\_\_\_\_ at the \_\_\_\_\_ corner of said claim;  
thence \_\_\_\_\_ feet to the place of beginning.

All done under the provisions of the laws of the United States, and of the State of Arizona.

This is an Amended Location Notice of the Monument  
Mining Claim, located by W.P. Dunham  
August on the 18th day of  
19.06, and recorded in Book A of Records of Mines, at  
page 17, in the office of the County Recorder of the aforesaid County of Pinal  
to which reference is hereby made, and this amended Location Notice is made and posted to correct  
errors in the description in the said original Location Notice

Dated and posted on the ground this 29th day of March, 1917.

BY THE RAY DEVELOPMENT COMPANY  
W.P. Dunham  
General Manager



STATE OF ARIZONA,

County of ..... ss.

I, ....., County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at ..... o'clock ..... M., on this ..... day of ....., 19....., and duly recorded in Book No. .... of ..... Records of ..... County, Arizona, at pages .....

WITNESS my hand and official seal the day and year first above written.

County Recorder.

AMENDED  
Notice of Location  
LODE CLAIM

Dated ....., 19.....

Filed and Recorded at request of .....

..... A. D. 19.....

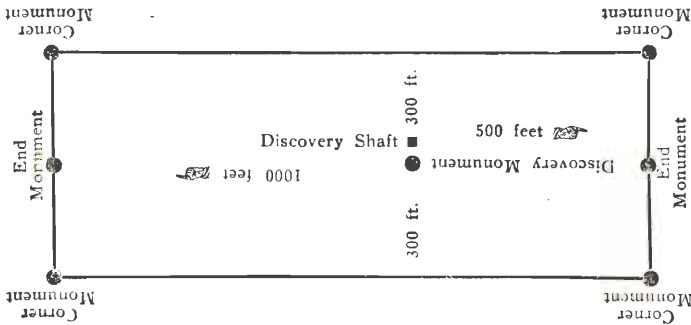
at ....., M.,

Book .....

Pages .....

County Recorder.

By ..... Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

STATE OF ARIZONA, } ss.

County of Pinal

I, W. L. BROWN, Recorder in and for the County of Pinal, State aforesaid, do hereby certify that the annexed instrument was filed and recorded at request of

*Arizona Hercules Coppens*

on the day of MAR 3 1 1917

A. D., 191..... at .....

9 o'clock A. M., in Book No. 34

of MINES Page 8

WITNESS my hand and official seal

day of MAR 3 1 1917, 191.....

W. L. BROWN

Recorder.

By *W. L. Brown* Deputy

20  
Amended-1917

AMENDED  
**Notice of Mining Location**  
**LODE CLAIM**

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Gold Coin  
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 The Ray Development Company, a Corporation organized and existing  
under and by virtue of the laws of the State of Arizona

(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 29th day of March, 1917.

The length of this claim is 1500 feet,  
and we claim 370 feet,  
in a N-82° 42½" E. direction and 1130  
feet in a S-83° 42½" W direction from  
the ~~center~~ mouth of the discovery tunnel 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 East end center 1500-ft  
to the West end center

The claim is situated and located in the Mineral Creek Mining District, in  
         County in the State of Arizona, about 3½ miles  
in a northerly direction from Ray Mines

The surface boundaries of the claim are marked upon the ground as follows: Beginning at  
a point from which the quarter corner between sections 34 and 35, T2S R-13-R  
unapproved bears S 35° 38" E 301.21', thence N 5° 01½" E 600', thence N 83° 42½" E 1500'  
thence S 5° 01½" W 600-ft, thence S 83° 42½" W 1500-ft to the place of beginning.  
All corners marked by substantial monuments of stone.

at a point in a          direction          feet from  
the discovery shaft (at which this notice is posted), being in the center of the           
end line of said claim; thence          feet to a           
        , being the          corner of said claim; thence  
         feet to a          being at the  
         corner of said claim; thence          feet  
to a          at the center of the          end of said claim;  
thence          feet to a          being at the  
         corner of said claim; thence          feet  
to a          at the          corner of said claim;  
thence          feet to the place of beginning.

All done under the provisions of the laws of the United States, and of the State of Arizona.

This is an Amended Location Notice of the Gold Coin  
Mining Claim, located by W.P. Dunham

on the 18th day of  
August, 1906, and recorded in Book A of Records of Mines, at  
page 16, in the office of the County Recorder of the aforesaid County of Pinal  
to which reference is hereby made, and this amended Location Notice is made and posted to correct  
errors in the description in the said original Location Notice         

Dated and posted on the ground this 29th day of March, 1917.

THE RAY DEVELOPMENT COMPANY  
BY W.P. Dunham  
General Manager.



STATE OF ARIZONA,

County of \_\_\_\_\_

ss.

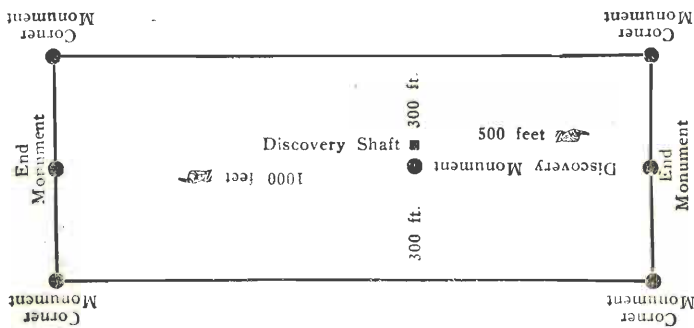
I, \_\_\_\_\_, County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at \_\_\_\_\_ o'clock \_\_\_\_\_ M., on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, and duly recorded in Book No. \_\_\_\_\_ of \_\_\_\_\_ Records of \_\_\_\_\_ County, Arizona, at pages \_\_\_\_\_.

WITNESS my hand and official seal the day and year first above written.

\_\_\_\_\_  
County Recorder.

AMENDED  
**Notice of Location**  
**LODE CLAIM**

Dated \_\_\_\_\_, 19\_\_\_\_  
Filed and Recorded at request of \_\_\_\_\_  
\_\_\_\_\_ A. D. 19\_\_\_\_  
at \_\_\_\_\_ M.,  
Book \_\_\_\_\_  
Pages \_\_\_\_\_  
County Recorder.  
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

STATE OF ARIZONA, } ss.  
County of Pinal

I, W. L. BROWN, Recorder in and for the County of Pinal, State aforesaid, do hereby certify that the annexed instrument was filed and recorded at request of

*Arizona Hercules Coppere*  
on the \_\_\_\_\_ day of MAR 3 1917

A. D. 1917 at \_\_\_\_\_ minutes of \_\_\_\_\_ o'clock. MINES in Book No. 6 Page \_\_\_\_\_

WITNESS my hand and official seal day of MAR 3 1917

W. L. BROWN Recorder.

By MOT Lense Deputy





STATE OF ARIZONA,

County of \_\_\_\_\_ } ss.

I, \_\_\_\_\_, County Recorder in and for the County and State aforesaid, do hereby certify that the within instrument was filed for record at \_\_\_\_\_ o'clock \_\_\_\_\_ M., on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, and duly recorded in Book No. \_\_\_\_\_ of \_\_\_\_\_ Records of \_\_\_\_\_ County, Arizona, at pages \_\_\_\_\_.

WITNESS my hand and official seal the day and year first above written.

\_\_\_\_\_  
County Recorder.

AMENDED  
**Notice of Location**  
LODE CLAIM

Dated \_\_\_\_\_, 19\_\_\_\_

Filed and Recorded at request of \_\_\_\_\_

\_\_\_\_\_ A. D. 19\_\_\_\_

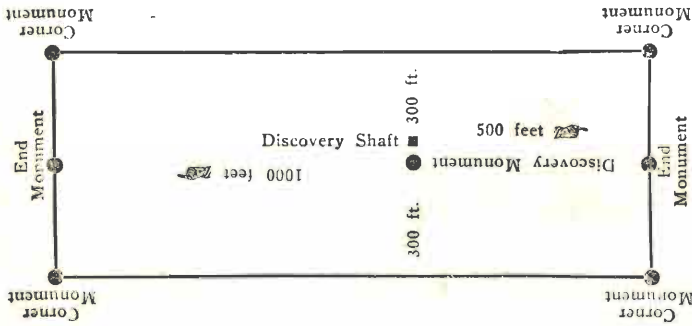
at \_\_\_\_\_ M.,

Book \_\_\_\_\_

Pages \_\_\_\_\_

\_\_\_\_\_  
County Recorder.

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



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

STATE OF ARIZONA, } ss.  
County of Pinal

I, W. L. BROWN, Recorder in and for the County of Pinal, State aforesaid, do hereby certify that the annexed instrument was filed and recorded at request of Gregoria Hercules Coppello on the \_\_\_\_\_ day of MAR 3 1 1917 A. D., 191\_\_\_\_\_ at \_\_\_\_\_

\_\_\_\_\_ at \_\_\_\_\_ minutes  
\_\_\_\_\_ o'clock A. M., in Book No. 54 of MINES Page 7

WITNESS my hand and official seal \_\_\_\_\_ day of MAR 3 1 1917, 191\_\_\_\_\_

W. L. BROWN  
Recorder.  
By W. L. Brown  
Deputy.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 3, 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

THE RAY DEVELOPMENT COMPANY

known as the VIRGINIA, PORTLAND, MONUMENT, GOLD COIN AND INDEPENDENCE LODES.

situate in MINERAL CREEK

Mining District, PINAL County, ARIZONA.

in Sections 34 & 35, Township No. 2 S., Range No. 13 E. unapp'd., and

designated as Survey No. 3380, 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 its grantors, and that said improvements consist of 6 cuts, 5 tunnels and 3 crosscuts, total value \$5095.

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,

June 3, 1918

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

THE RAY DEVELOPMENT COMPANY

, known as the  
VIRGINIA, PORTLAND, MONUMENT, GOLD COIN AND INDEPENDENCE LODES.

situate in MINERAL CREEK mining district,

PINAL County, ARIZONA.

in Section s 34 and 35, Township No. 2 S., Range No. 13 E., unapp'd.

, designated as Survey No. 3380

executed by Oliver C. Thompson, United States Mineral

Surveyor, April 12-20, 1917, under my instructions dated

April 4, 1917, 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.



U. S. Surveyor-General for Arizona.