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MAY 25 1906

(4-683.)

Mineral Survey No. 2228

Lot No.

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

THE MANHATTAN DEVELOPMENT COMPANY

Frank H. Hereford Atty.

KNOWN AS THE

"Lois" "Copper Glance" "Copper Top" "Copper Bell" "Aetna" "Bull Dog"

California

Mining District,

Cochise

County, Territory of Arizona

Section approx, Township 17 S, Range 30 E G&SRB&M

Surveyed under instructions dated April 14 1906, 1

by I. J. Stauber

U. S. Deputy Mineral Surveyor.

Claim located see location notices, 1

Survey commenced May 12 1906, 1

Survey completed May 14 1906, 1

o 6-160

Postoffice address of claimants attorney.

Frank H. Hereford Tucson Pima County, Arizona.

*The Aetna out for visit.
Ledges ✓
x's ✓
areas ✓*

COPPER GLANCE, et al LODES.

FEET

BULL DOG

Beginning at Cor. No. 1, the N. E. Cor., identical with location, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 1-2228 E D L, whence a pine post of same dimensions and scribed B P 1-2228, brs. N. $67^{\circ} 51' \frac{W}{Z}$, 50ft. and a second pine post of same dimensions and scribing brs. S. $50^{\circ} 54' W$, 50 ft. and U. S. M. M., No. 1823, California Mining District, brs. S. $43^{\circ} 18' 30'' E$. 5797.1 ft., no bearing monuments available.

Thence S. $50^{\circ} 54' W$.

300.0 to original location for S. E. E. C., identical with Cor. No. 4, Copper Bell lode of this survey

600.0 same bearing, to Cor. No. 2, the S. E. Cor., identical with location and with Cor. No. 1, Copper Trust lode, Survey No. 2220, a ^{NE} pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones and scribed 2-2228 E D L, whence a pine post of same dimensions and scribed B P 2-2228 brs. N. $50^{\circ} 54' E$, 50ft., and a second pine post of same dimensions and scribing brs. N. $67^{\circ} 51' W$, 50 ft., and a white pine tree 14 in. in diameter and scribed B T 2-2228 brs. N. $51^{\circ} E$, 9 ft.

Thence N. $67^{\circ} 51' W$.

1497.4 along line 1-4, Copper Trust lode, Survey No. 2220, to Cor. No. 3, the S. W. Cor., identical with location and with Cors. No. 1, 2 and 4, respectively, of Iron Cap, Smith No. 1, and Copper Trust lodes, Survey No. 2220, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground in a mound of stones and scribed 3-2228 E D L, whence a pine post of same dimensions and scribed B P 3-2228 brs. S. $67^{\circ} 51' E$. 50 ft., and second pine post of same dimensions and scribing brs. N. $50^{\circ} 54' E$, 50 ft., no bearing monuments available.

Feet

Thence N. 50° 54' E.

300.0 to original location for N.W.E.C.

600.0 same bearing, to Cor. No. 4, the N. W. Cor., identical with location, and with Cor. No. 1, of Smith No. 1 lode Survey No. 2220, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 4-2228 B D L, whence a pine post of same dimensions and scribed B P 4-2228 brs. S. 50° 54' W. 50 ft. and a second pine post of same dimensions and scribing brs. S. 67° 51' E. 50 ft., and a juniper tree, 12 in. in diameter scribed B T 4-2228 brs. N. 30° E. 4.2 ft.

Thence S. 67° 51' E.

1497.4 to Cor. No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the N. W. E. C., S. 67° 51' E, 1497.4 ft.

----- COPPER BELL -----

Beginning at Cor. No. 1, the N. E. Cor., identical with location, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones and scribed 1-2228 C B L, whence a pine post of same dimensions and scribed B P 1-2228 brs. N. 61° 3' W. 50 ft., and a second pine post of same dimensions and scribing brs. S. 50° 54' W. 50 ft. and U. S. M. M. No. 1823, California Mining District, brs. S. 41° 15' E. 4397.2 ft., no bearing monuments available.

Thence S. 50° 54' W.

X 244.5 to Cor. No. 6, of Lois lode *of this survey*

300.0 same bearing, to original location for S.E.E. C.

600.0 same bearing, to Cor. No. 2, the S. E. Cor., identical with location and with Cor. No. 1, of Copper Bluff lode Survey No. 2220, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 2-2228 C B L, whence a pine post of same dimensions and

Feet

and scribed B P 2-2228 brs. N. 50° 54' E. 50 ft., and a second pine post of same dimensions and scribing brs. N. 61° 6' W. 50 ft.; no bearing monuments available.

Thence N. 61° 6' W.

1496.7 along line 1-4 Copper Bluff lode, Survey No. 2220, to Cor. No. 3, the S. W. Cor., identical with location and *and on line 1-3 Copper Trust lode* with Cor. No. 4, Copper Bluff lode, Survey No. 2220, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground in a mound of stones, and scribed 3-2228 C B L, whence a pine post of same dimensions and scribed B P 3-2228 brs. S. 61° 6' E., 50 ft., and a second pine post of same dimensions and scribing brs. N. 50° 54' E. 50 ft., no bearing monuments available.

Thence N. 50° 54' E.

300.0 to original location for N. W. E. C., identical with Cors. No. 1 and 2, respectively of Copper Trust lodes, Survey No. 2220, and Bull Dog lode of this survey

600.0 same bearing, to Cor. No. 4, the N. W. Cor., identical with location, and with the S. E. E. C. of Bull Dog lode of this survey, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 4-2228 C B L, whence a pine post of same dimensions and scribed B P 4-2228 brs. S. 50° 54' W., 50 ft., and a second pine post of same dimensions and scribing brs. S. 61° 6' E., 50 ft., no bearing monuments available.

Thence S. 61° 6' E.

1496.7 to Cor. No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the N.W.E.C. S. 61° 6' E. 1496.7 ft.

----- LOIS -----

Beginning at Cor. No. 1, the S. E. Cor., a pine post 4 ft. long, 4 in. sq, set 18 in. in the ground in a mound of stones, and scribed 1-2228 L L, whence a

Feet

pine post of same dimensions and scribed B P 1-2228, hrs. N. $40^{\circ} 1' W.$ 50 ft., and a second pine post of same dimensions and scribing hrs. S. $44^{\circ} 58' W.$ 50 ft., and original location for S. E. Cor. hrs. S. $40^{\circ} 1' E.$, 201 ft., and U. S. M. M. No. 1823, California Mining District hrs. S. $44^{\circ} 42' E.$, 4153.0 ft., no bearing monuments available.

Thence S. $44^{\circ} 58' W.$

463.6 to Cor. No. 2, identical with Cor. No. 4 of Copper Gance lode, of this survey, and the N. W. Cor. of Juniper lode unsurveyed, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 2-2228 L L, whence a pine post of same dimensions and scribed B P 2-4-2228 hrs. N. $44^{\circ} 58' E.$ 50 ft., and a second pine post of same dimensions and scribing hrs. S. $38^{\circ} 55' W.$ 50 ft., no bearing monuments available.

Thence S. $38^{\circ} 55' W.$

453.5 to Cor. No. 3, identical with Cor. No. 3 of Copper Gance lode of this survey and the N. E. Cor. of Venture lode *manu* a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, ~~xxx~~ in a mound of stones, and scribed 3-2228 L L, whence a pine post of same dimensions and scribed B P 3-3-2228 hrs. N. $38^{\circ} 55' E.$ 50 ft., and a second pine post of same dimensions and scribing hrs. S. $45^{\circ} 28' W.$, 50 ft., no bearing monuments available.

Thence S. $45^{\circ} 28' W.$

594.8 to Cor. No. 4, the S. W. Cor., identical with location and with the N. W. Cor. of Venture lode, unsurveyed, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground in a mound of stones, and scribed 4-2228 L L, whence a pine post of same dimensions and scribed B P 4-2228, hrs. N. $45^{\circ} 28' E.$, 50 ft., and a second pine post of same dimensions and scribing hrs. N. $40^{\circ} 1' W.$ 50 ft., no bearing monuments available.

Feet

Thence N. 40° 1' W.

500.0 to original location for S.W.E.C.

459.4 same bearing, to Cor. NO. 5, the N.W. Cor., identical with location and with Cor. No. 2, Copper Top lode, of this survey, a pine post 4 ft. long, 4 in. sq., set 13 in. in the ground, in a mound of stones, and scribed 5-2228 L L; whence a pine post of same dimensions and scribed B. P 2-3-2228 hrs. S. 40° 1' E., 50 ft., and a second pine post of same dimensions and scribing hrs. N. 40° 1' W., 50 ft., no bearing monuments available.

Thence N. 50° 54' E.

294.5 to location for S.E.E.C. of Copper Top lode of this survey

544.5 same bearing, to Cor. No. 1 and 2, respectively, of Copper Top lode of this survey, and Copper Bluff lode, Survey No. 2220

1144.5 same bearing, to Cor. No. 2 and 1, respectively, of Copper Bell lode of this survey and Copper Bluff lode of Survey No. 2220

1444.5 *S.E.E.C. Copper Bell lode of this survey.*

1500.0 same bearing, to Cor. No. 6, the N. E. Cor., identical with location, a pine post 4 ft. long, 4 in. sq., set 13 in. in the ground, in a mound of stones, and scribed 6-2228 L L, whence a pine post of same dimensions and scribed B P 6-2228 hrs. S. 50° 54' W. 55.5 ft., and a second pine post of same dimensions and scribing hrs. S. 40° 1' E., 50 ft., no bearing monuments available.

Thence S. 40° 1' E.

159.4 to original location for N. E. E. C.,

261.1 same bearing, to Cor. NO. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the N. E. E. C., S. 50° 54' W., 1500.00 ft.

Feet

COPPER GLANCE

Beginning at Cor. No. 1, the S. E. Cor., identical with location and with Cor. No. 2, Oak lode, Survey No. 1823, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 1-2228 C G L, whence a pine post of same dimensions and scribed B P 1-2228 brs. N. 45° 4' W. 50 ft., and second pine post of same dimensions and scribing brs. S. 44° 54' W. 50 ft. and U. S. M. M., No. 1823, California Mining District, brs. S. 51° 58' E., 3633.4 ft., no bearing monuments available.

Thence S. 44° 54' W.

449.5 along line 2-3 Oak lode, Survey No. 1823, to Cor. No. 3, Oak lode, Survey No. 1823, *and intersect E. side line* ~~from which point Cor. No. 3 of Venture lode unsurveyed, at S. 45° 14' E. 498.8 ft. from N.E. Cor. Copper Glance lode brs. N. 45° 14' W. 498.8 ft.~~

451.0 to Cor. No. 2, the S. W. Cor., identical with location a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones and scribed 2-2228 C G L, whence a pine post of same dimensions and scribed B P 2-2228 brs. N. 44° 54' E. 50 ft., and second pine post of same dimensions and scribing brs. N. 45° 4' W., 50 ft, no bearing monuments available.

Thence N. 45° 4' W.

250 to original location for S. W. E. C.

498.8 to Cor. No. 3, the N. W. Cor., identical with location *and the N.E. Cor. Venture lode unsurveyed* and with Cor. No. 3 of Lois lode, this survey, a pine post, etc., scribed 3-2228, C. G. L, no bearing monuments available.

Thence N. 38° 55' E.

453.5 to Cor. No. 4, the N. E. Cor., identical with location and with Cor. No. 2 and the N. W. Cor., respectively, of Lois lode of this survey and Juniper lode, unsurveyed, a pine post, etc., scribed 4-2228 C G L, no bearing monuments available.

Feet

Thence S. 45° 4' E.

296.0 to original location for N. E. E. C.

546.0 same bearing, to Cor. No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the N. E. E. C., S. 44° 54' W., 451.0 ft.

----- COPPER TOP -----

Beginning at Cor. No. 1, the N. E. Cor., identical with location and with Cor. No. 2, of Copper Bluff lode, Survey NO. 2226, and situated on line 5-6 Lois lode of this survey at N. 50° 54' E., 544.5 ft., from Cor. No. 5, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 1-2228 C TL, whence a pine post of same dimensions and scribed B P 1-2228 brs. N 50° 54' E. 50 ft., and a second pine post of same dimensions and scribing brs. S. 50° 54' W., 50 ft. and U. S. M. M. No. 1823, California Mining District brs. S. 56° 21' E. 4601.0 ft., no bearing monuments available.

Thence S. 50° 54' W.

250.0 *along line 5-6 Lois lode of this survey* to original location for S.E.E.C.,

544.5 same bearing, along line 6-5 Lois lode of this survey to Cor. No. 2, the S. E. Cor., identical with location and with Cor. No. 5, Lois lode of this survey, a pine post, etc., scribed 2-2228 C T L, no bearing monuments available.

Thence N. 40° 1' W.

630.3 to Cor. No. 3, identical with Cor. No. 1, Aetna lode of this survey, a pine post etc., scribed 3-2228 C T L,

Thence N. 61° 6' W.

817.0 to Cor. NO. 4, the S. W. Cor., identical with location and with Cor. No. 5, and the S. E. Cor., respectively, of Aetna lode of this survey and Copper King lode, unsurveyed, a pine post 4 ft. long, 4 in. sq., set 18 in. in the ground, in a mound of stones, and scribed 4-2228 C T L, whence a pine post of same dimensions and scribed B P 4-5-2228 brs. S. 61° 6' E. 50 ft., and a second pine post

Feet

of same dimensions and scribing brs. N. 67° 51' W., 50 ft., no bearing monuments available.

Thence N. 50° 54' E.

50.0 to original location for N.W.E.C.,

300.0 same bearing, to Cor. No. 5, the N. W. Cor., identical with location and with Cor. No. 3, Copper Bluff lode, Survey No. 2220, a pine post 4 ft. long 4in. sq., set 18 in. in the ground, in a mound of stones, and scribed 5-2228 C T L, whence a pine post of same dimensions and scribed B P 5-2228 brs. S. 50° 54' W., 50 ft., and a second pine post of same dimensions and scribing brs. S. 61° 6' E., 50 ft., no bearing monuments available.

Thence S. 61° 6' E.

1496.7 along line 3-2 Copper Bluff lode, Survey No. 2220, to Cor. No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim is from the N.W.E.C., S. 61° 6' E., 1496.7 ft.

AETNA

Beginning at Cor. No. 1, the N. E. Cor., identical with Cor. No. 3, Copper Top lode of this survey; a pine post 4 ft. long, 4 in. sq.; set 18 in. in the ground in a mound of stones and scribed 1-2228 A L, whence a pine post of same dimensions and scribed B P 1-3-2228 brs. N. 61° 6' W., 50 ft., and a second pine post of same dimensions and scribing brs. S. 40° 1' E. 50 ft., and a white oak tree, 12 in. in diameter and scribed B T 1-2228 brs. N. 56° 30' E. 24.6 ft., and original location for N.E. Cor. brs. N. 27° 54' E., 96.7 ft. and U.S.M.M. No. 1823, California Mining District, brs. S. 60° 0' 30" E., ^{5378.4}~~5300.7~~ ft.
n

Thence S. 27° 54' W.

203.3 to original location for S.E.E.C.

503.3 same bearing, to Cor. No. 2, the S. E. Cor., identical with location, a pine post 4 ft. long, 4in. sq., set 18

Feet in. in the ground, in a mound of stones, and scribed
 2-2228 A L, whence a pine post of same dimensions and
 scribed B P 2-2228 brs. N. 27° 54' E., 50 ft., and a
 second pine post of same dimensions and scribing brs.
 N. 67° 51' W., 50 ft., no bearing monuments available.

Thence ~~N~~ 67° 51' W.

1500 to Cor. No. 3, the S. W. Cor., identical with location
 a pine post 4 ft. long, 4 in. sq., set 18 in. in the
 ground, in a mound of stones and scribed 3-2228 A L,
 whence a pine post of same dimensions and scribed B P
 3-2228 brs. S. 67° 51' E., 50 ft., and a second pine
 post of same dimensions and scribing brs. N. 27° 54' E.
 50 ft., no bearing monuments available.

Thence N. 27° 54' E.

300.0 to original location for N.W.E.C.

600.0 same bearing, to Cor. No. 4, the N. W. Cor., identical
 with location and with the N. E. Cor. of Union lode, un-
 surveyed, a pine post 4 ft. long, 4 in. sq., set 18 in.
 in the ground, in a mound of stones, and scribed 4-2228
 A L, whence a pine post of same dimensions and scribed
 B P 4-2228 brs. S. 27° 54' W., 50 ft., and a second pine
 post of same dimensions and scribing brs. S. 67° 51' E.,
 50 ft., no bearing monuments available.

Thence S. 67° 51' E.

678.8 to Cor. No. 5, identical with Cor. No. 4 and the S. E.
 Cor., respectively, of Copper Top lode of this survey,
 and Copper King lode, unsurveyed, a pine post, etc., scribed
 5-2228 A L, no bearing monuments available.

Thence S. 61° 6' E.

817.0 to Cor. No. 1, the place of beginning.

LEDGE

The presumed course of the vein on this claim
 is from the N.W.E.C. S. 67° 51' E., 1500.0 ft.

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on this group, placed thereon by the claimant or its grantors, is as follows;

BULL DOG

No. 1 Discovery cut, 4 x 12 x 10 ft. brs. from S.E.E.C
N. 67° 51' W., 50 ft., Value, \$100.00

COPPER BELL

No. 1 Discovery cut, 4 x 12 x 15 ft., brs. from
S. E. E. C., N. 61° 6' W., 746.0 ft. Value, \$125.00

LOIS

No. 1 Discovery cut, 5 x 15 x 10 ft., brs. from
N.E.E.C., S. 50° 54' W., 100.0 ft. Value, \$100.00

COPPER GLANCE

No. 1 Discovery cut, 4 x 12 x 10 ft., brs. from
N.E.^E.C., S. 44° 54' W., 75 ft. Value, \$100.00

COPPER TOP

No. 1, Discovery shaft, 4 x 6 x 10 ft., brs. from
S.E.E.C., N. 61° 6' W., 748 ft. Value, \$100.00

AETNA

No. 1 Discovery cut, 4 x 15 x 10 ft., brs. from
S.E.E.C., N. 67° 51' W., 751.0 ft. Value, \$100.00

Total improvements on group \$625.00

AREAS

Total and Net area of Bull Dog lode,	18.683 ✓
Total and Net area of Copper Bell lode,	19.115 ✓
Total and Net area of Lois lode,	12.529 ✓
Total and net area of Copper Top lode,	11.326 ✓
Total and Net area of Aetna lode,	19.648 ✓
Total area of Copper Glance	5.409 ✓
Less Venture ^{reflect} lease, unsurveyed,	<u>0.009</u> ✓
Net area of Copper Glance,	<u>5.400</u> ✓
Net area of group,	36.107 ✓

ADJOINING CLAIMS.

- North Unsurveyed claims, claims and claimants unknown.
- East Juniper, and Venture lodes, unsurveyed, and Oak lode
Survey No. 1823, owned by applicant herein.
- South Unsurveyed claims, claims and claimants unknown.
- West Smith No.1, Iron Cap, and Copper Trust lodes, Survey
No. 2220, and Copper King lode, unsurveyed, owned
by applicant herein; Union lode, unsurveyed, owned by
J. Cummings.

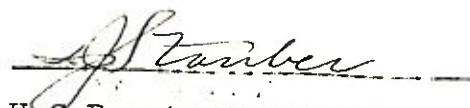
LOCATION

This group is located about three and one-half miles in a Northwesterly direction from the town of Paradise, on unsurveyed lands in the California Mining District, Cochise County, Territory of Arizona, approximately in Tp. 17 S., R. 30 E., G. & S., R. E. & M.

INSTRUMENT.

This survey was made with the C. L. Berger & Sons No. 1 C Transit, the courses were deflected from the true meridian as determined by solar observation, checked by an observation on Polaris. The distances were measured with a 300 ft. steel tape.

Magnetic variation 12° 30' E. at all corners.



U.S. Deputy Mineral Surveyor

Dated at Bisbee, Arizona, May 23, 1906.

Note: Complete affidavit of \$500.00 worth of improvements for each location will be furnished prior to the expiration of the period of publication of the notice of application for patent.

Note: After noting the discrepancy between the course and distance of line 2-3 Oak lode, Survey No. 1823, as reported in Survey No. 1823, and this survey, the posts were again fully identified, the distance and bearing re-determined. I report the following discrepancy in line 2-3 Oak lode, Survey No. 1823. Line 2-3 Oak lode,

Survey No. 1823, brs. S. 44° 54' W., 449.5 ft., instead of S. 45° W., 450.0 ft., as reported in Survey No. 1823.

The tie lines of this survey agree with the tie lines of Survey No. 2220.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by I. J. Stauber

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~~ Manhattan Development Company

known as the "Lois" "Copper Glance" "Copper Top" "Copper Bell" "Aetna" "Bull Dog"

and showing the respective capacities in which they acted.

J. P. Chiado, Chairman.

Harry Locke, Chairman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, J. P. Chiado

and Harry Locke, do solemnly swear that we assisted

I. J. Stauber, United States Deputy Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of

~~The~~ Manhattan Development Company

known as the "Lois" "Copper Glance" "Copper Top" "Copper Bell" "Aetna" "Bull Dog"

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

J. P. Chiado, Chairman.

Harry Locke, Chairman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 23rd

day of May, 1906

Frank Petter
NOTARY PUBLIC

In and for the County of Cochise, Territory of Arizona.
My Commission Expires March 12, 1910.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, I. J. Stauber, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 14 1906, 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 Manhattan Development Company, known as the "Loss" "Copper Glance" "Copper Top" "Copper Bell" "Aetna" "Eull Dog", situate in California Mining District, Cochise County, Arizona, in Section approx., Township No. 17 S., Range No. #30. E. G. & S. R. B. & M. unsur. and designated as Survey No. 2228, 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.

I. J. Stauber
 U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said I. J. Stauber,
 U. S. Deputy Mineral Surveyor, before me Frank Pittce
 this 33rd
 day of May, 1906,

Frank Pittce
 NOTARY PUBLIC
 In and for the County of Cochise, Territory of Arizona.
 My Commission Expires March 12, 1910.

AMENDED

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Bull Dog 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 J. J. Stauber, a citizen of U.S.

for the Manhattan Development Co.
(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 5 day of April 1906.

The length of this claim is 1500 feet, and avg. claim 1150 feet, in a North Westerly direction and 570 feet in a South easterly 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 North west to the Southeast.

The claim is situated and located in the Chiricahua Mining District, in Cochoise County, in the Territory of Arizona, about 500 ft.

in a Easterly direction from Smith's Tunnel and is joined on the East by the Copper Trust on the South by the Copper Trust, and on the west by the Smith No. 1 Mining Claims.

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

at a point in a Southeasterly direction 300 feet from the discovery shaft (at which this notice is posted,) being in the center of the southeast end line of said claim; thence South west 300 feet to a monument of stone, being the Southerly corner of said claim; thence North west 1500 feet to a monument, being at the westerly corner of said claim; thence northeasterly 300 feet to a monument of stone at the center of the north west end of said claim; thence North east 300 feet to a monument, being at the Northerly corner of said claim; thence Southeast 1500 feet to a monument at the Easterly corner of said claim; thence South West 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.

This is an Amended Location Notice of the Bull Dog Mining Claim, located by A. B. Cobb

on the 4 day of April 1905, and recorded in Book 24 of Records of Mines, at

page 1011, in the office of the County Recorder of the aforesaid County of Cochoise 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 5 day of April 1906 Manhattan Development Co. by J. J. Stauber

Filed and recorded at request of Frank H. Hereford Apr. 11, 1906 at 10 a. m. Book 36 Record of Mines page 210.

TERRITORY OF ARIZONA, }
 County of..... } ss.

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., 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.
 LODGE CLAIM.

Dated.....190.....

Filed and Recorded at request of

..... A. D. 190.....

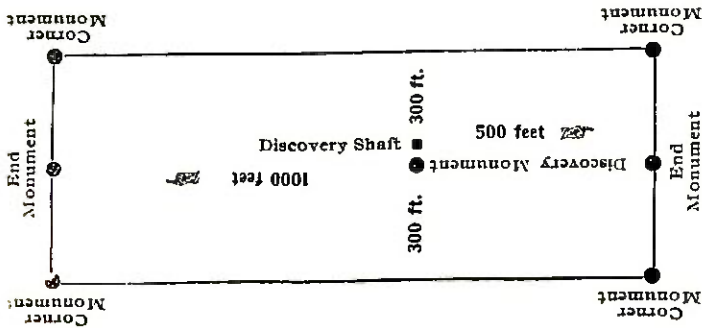
at.....M.

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.

POOR QUALITY

The following pages are scanned at the best possible quality setting. The original pages are of poor quality and this is the best possible reproduction.

NOTICE OF THE LOCATION.
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This mining claim, the name of which is the COPPER HILL 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 P. L. Smith, the undersigned, on January 25, 1905.

The length of this claim is fifteen hundred feet and I claim seven hundred and fifty feet in a northeasterly direction and seven hundred and fifty feet in a southeasterly direction from the center of this 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 veins is from the northwest to the southeast.

The claim is situated and located in the California mining district, in the county of Coconino, in the Territory of Arizona, about two miles in a northwesterly direction from the town of Paradise, and is bounded on the east by the Copper Bluff and on the northwest by the Copper Trust and building claims.

The surface boundaries of the claim were marked upon the ground as follows: Beginning at a post at a point seven hundred and fifty feet in a southeasterly direction from the discovery shaft (at which this notice is posted) being in the center of the southeasterly end of said claim; thence three hundred feet to a post at the ^{line} westerly corner of said claim; thence fifteen hundred feet to a post ^{being} at the northerly corner of said claim; thence three hundred feet to a post, being the corner of the northwesterly end of said claim; thence three hundred feet to a post, at the westerly corner of said claim; thence fifteen hundred feet to a post at the southerly corner of said claim; thence three hundred feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXVII of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Codify and revise the Laws of the Territory of Arizona", approved March 16, 1901.

Dated and posted on the ground this 25th day of January 1905.

P. L. Smith.

Filed and Recorded at the request of P. L. Smith, March 25, 1905. at 11 A. M.
Book 33 Record of Mines page 195

Copy

Location Notice.

COBPER BELL.

Located by P. L. Smith.

January 25, 1905.

Faint handwritten notes, possibly describing the location or details of the discovery.

Territory of Arizona)
) ss
County of Cochise)

19

I, Frank Hare, County Recorder in and for said County, hereby certify that I have compared the foregoing copy with the original location notice of the Aetna mining claim, filed and recorded in my office on the 20 day of Mar. 1905 in Book 33 of Record of Mines at page 142, and that the same is a full, true and correct copy of the such original, and of the whole thereof.

Witness my hand and seal of office, this 15th day of Feb., A. D. 1906.

Frank Hare
County Recorder.

Notice of Mining Location

Quartz
LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Actua
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 Ulrich Rieder

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

by the undersigned, on the 25th day of January 1905.

The length of this claim is fifteen hundred (1500) feet,
and I claim seven hundred and fifty (750) feet,
in a north westerly direction and seven
hundred and fifty feet in a south easterly direction from
the center of the discovery shaft, at which this notice is posted lengthwise of the claim, together
with three hundred (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

North west to the southeast

The claim is situated and located in the California Mining District, in
Cochise County, in the Territory of Arizona, about 2 1/2 miles
in a north westerly direction from the town of Paradise
and joins at the Northwest end with the
south east end of the El Paso mine and the southeast
end with the north west end of the Union mine.

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

a monument

at a point in a north westerly direction 750 feet from
the discovery shaft (at which this notice is posted), being in the center of the north west
end line of said claim; thence three hundred (300) feet to a monument of
stone, being the northerly corner of said claim; thence
fifteen hundred (1500) feet to a monument of stone, being at the
easterly corner of said claim; thence three hundred feet
to a monument of stone being at the center of the south east end of said claim;
thence three hundred (300) feet to a monument, being at the
southerly corner of said claim; thence 1500
feet to a monument of stone at the westerly corner of said claim;
thence three hundred (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
^{Codify} ^{Revise}
~~Revise~~ and ~~Codify~~ the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 25th day of January 1905.

Witness
P. L. Smith.

Ulrich Rieder

Filed and recorded at request of S. E. Hazard Mar. 20
1905 at 10:30 A. M. Book 33 Record of Mines, at page 142.

TERRITORY OF ARIZONA, }
County of..... } ss

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., and duly recorded in Book No..... of.....Records of.....County, Arizona, at pages.....

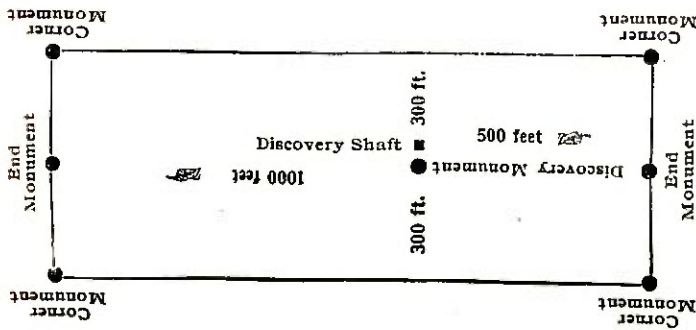
WITNESS my hand and official seal the day and year first above written.

.....
County Recorder.

Notice of Location

LODE CLAIM

Dated.....190.....
Filed and Recorded at request of.....
.....A. D. 190.....
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.

Notice of Mining Location

Quartz LOBE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Copper Top 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 Ulrich Reeder

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

by the undersigned, on the 25th day of January 1905.

The length of this claim is fifteen hundred (1500) feet, and I claim seven hundred and fifty (750) feet, in a south easterly direction and seven hundred and fifty feet in a northwesterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred (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 North west to the southeast

The claim is situated and located in the California Mining District, in Cochise County, in the Territory of Arizona, about one mile in a northwesterly direction from Capt. Burns old camp and is between the Copper Bluff and the Union Mines, and is about two miles in a northwesterly direction from Paradise.

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

a monument of stones

at a point in a south easterly direction seven hundred and fifty (750) feet from the discovery shaft (at which this notice is posted), being in the center of the southeast end line of said claim; thence three hundred (300) feet to a monument of stone, being the southerly corner of said claim; thence fifteen hundred (1500) feet to a monument, being at the westerly corner of said claim; thence three hundred feet to a monument of stone, ^{being} at the center of the northwest end of said claim; thence three hundred (300) feet to a monument, being at the northerly corner of said claim; thence 1500 feet to a monument at the easterly corner of said claim; thence three hundred (300) feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes on the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to ^{Codify} ~~Revise~~ and ^{Revise} ~~Codify~~ the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 25th day of January 1905

Witness

P. L. Smith

Ulrich Reeder

Filed and recorded at request of S. E. Haggard Mar. 20-1905 at 10:30 A. M. Book 33 Record of Mines at page 141.

TERRITORY OF ARIZONA, }
County of..... } ss

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., 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.

Notice of Location

LODE CLAIM

Dated..... 190.....

Filed and Recorded at request of

..... A. D. 190.....

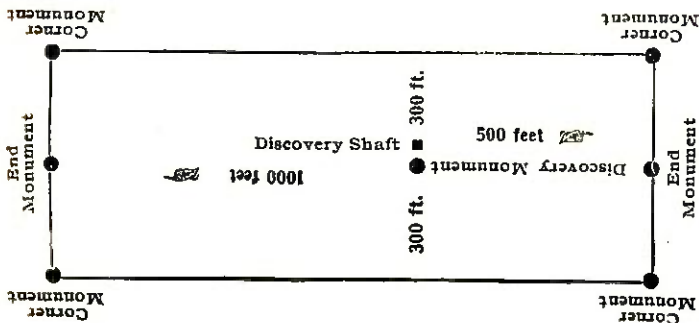
at..... M.

Book.....

Pages.....

.....
County Recorder.

.....
Deputy Recorder.



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POOR QUALITY

The following pages are scanned at the best possible quality setting. The original pages are of poor quality and this is the best possible reproduction.

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Lois 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 J. J. Stauber, a citizen of U.S. for the Manhattan Development Co.

(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 8th day of March 1906.

The length of this claim is 1500 feet, and one claim 100 feet, in a North Easterly direction and 1400 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 600 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 Northeast to the Southwest.

The claim is situated and located in the California Mining District, in Cochise County, in the Territory of Arizona, about 1/2 mile in a Easterly direction from Smiths Tunnel and one mile North Westerly from the Chiricahua Mine, and adjoins the Copper Blance Mine.

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

at a point in a North Easterly direction 100 feet from the discovery shaft (at which this notice is posted), being in the center of the North East end line of said claim; thence South East 300 feet to a monument of stone, being the Easterly corner of said claim; thence Southwesterly 1500 feet to a monument of stone being at the Southerly corner of said claim; thence North Westerly 300 feet to a monument at the center of the Southwest end of said claim; thence North Westerly 300 feet to a monument, being at the westerly corner of said claim; thence North Easterly 1500 feet to a monument at the Northerly corner of said claim; thence South 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 8th day of March 1906

Witness
W. H. Stanford

Manhattan Dev. Co.
by J. J. Stauber

TERRITORY OF ARIZONA, }
County of..... } ss

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190..., 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.

Carpenter

Notice of Location

LODE CLAIM

Leah

Dated.....190.....

Filed and Recorded at request of.....

.....A. D. 190.....

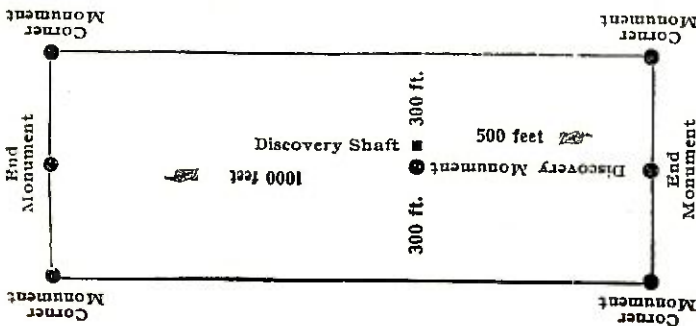
at.....M.

Book.....

Pages.....

.....County Recorder.

By.....Deputy Recorder.



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Territory of Arizona,)

:SS.

25

County of Cochise.)

I, Frank Hare County Recorder in and for said county, hereby certify that I have compared the annexed copy with the amended location notice of the Copper Blance mining claim, filed and recorded in my office on the 22 day of March 1906 in Book 36 of Record of Mines, at page 22 and that the same is a full, true and correct copy of such original and of the whole thereof.

Witness my hand and seal of office, this 24th day of March 1906.

Frank Hare
County Recorder.

Dated and posted on the ground this 10 day of March 1906.

Witness:
J. J. Chiado
Harry Locke.

Manhattan Development Co.
by J. J. Stauber

AMENDED

Notice of Mining Location

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Copper Glance 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 J. J. Stauber, a citizen of U.S. for the Manhattan Development Co.

(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 16 day of March 1906.

The length of this claim is 1500 feet, and we claim 750 feet, in a North Easterly direction and 750 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 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 North East to the South West.

The claim is situated and located in the California Mining District, in Cochise County, in the Territory of Arizona, about 1/4 mile in a Easterly direction from Smith's Tunnel and comprises the ground between the Juniper, Oak, Venture & Lois Claims.

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

at a point in a North Easterly direction 750 feet from the discovery shaft (at which this notice is posted,) being in the center of the North East end line of said claim; thence South West 300 feet to a monument of stone, being the Easterly corner of said claim; thence South westerly 1500 feet to a monument, being at the Southerly corner of said claim; thence North West 300 feet to a monument at the center of the South West end of said claim; thence North West 300 feet to a monument, being at the Westerly corner of said claim; thence North Easterly 1500 feet to a monument at the Northerly corner of said claim; thence South West 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.

This is an Amended Location Notice of the Copper Glance Mining Claim, located by Ulrich Pieder

on the 25th day of Jan. 1905, and recorded in Book 33 of Records, of Mines, at page 143, in the office of the County Recorder of the aforesaid County of Cochise 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 16 day of March 1906

Witness; J. I. Chiado Harry Locke.

Manhattan Development Co. by J. J. Stauber

TERRITORY OF ARIZONA,

County of..... } ss.

I,....., County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at.....o'clock,.....M., on this.....day of.....190...., 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

AMENDED
Notice of Location.
LODE CLAIM.

Coffey Glance

Dated.....190.....

Filed and Recorded at request of.....

.....A. D. 190.....

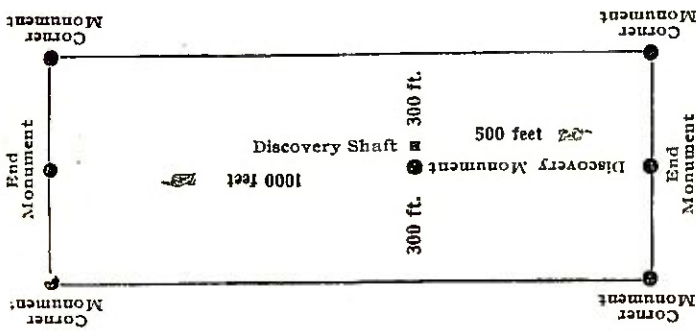
at.....M.....

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.

4-688.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 29th, 1906.

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 Manhattan Development Company

known as the Lois, Topper Glance, Copper Top, Copper Bell, Aetna, Bull Dog situate in California

Mining District, Cochise County, Arizona

in Section APPROX., Township No. 17 S., Range No. 30 E., and

designated as Survey No. 2228, 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 less than five hundred dollars' worth of labor has been expended or improvements made upon said mining claims by claimant or its grantors, and that said improvements consist of 5 cuts and 1 shaft at a total value of \$625.00, at

time of survey

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,

June 29, 1906

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 Manhattan Development Company

known as the Lois, Copper Glance, Copper Top, Copper Bell, Aetna, Bull Dog

situate in California Mining District,

Cochise County, Arizona

in Section APPROX, Township No. 17 S, Range No. 30 E

designated as Survey No. 3238

executed by I. J. Stauber, U. S. Deputy Mineral

Surveyor, May 12-14, 1906, under my instructions dated

April 14, 1906, 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

LOIS et al LODES.

situated in the California Mining District, Cochise County, Arizona and owned by the Manhattan Development Company,

AFFIDAVIT OF \$500.00 IMPROVEMENTS.

I hereby certify that the value of the labor and improvements upon or for the benefit of each claim of this group placed thereon by the claimant or its grantors is not less than \$500.00 for each location thereof and *I further certify that the improvements for each location as stated below were made by the said applicants prior to* the expiration of the period of publication of the notice of application for patent.

This work to the value of \$100.00 or more has been done on each location. The remainder has been concentrated on seven (7) long tunnels and two deep shafts designed to develop the entire group of claims owned by the Manhattan Development Company. The seven long tunnels and two deep shafts are located as follows:

Main tunnel, mouth of which hrs. from Cor. No. 1, Copper Trust lode, Survey No. 2220, identical with Cor. No. 2, Bull Dog lode of this survey, S. 70° 24' W., 722.2 ft., has the following underground workings:

Mouth to Station 1, S. 55° 25' W., 224.4 ft.

Station 1 to Station 2, S. 55° 52' W., 100.2 ft.

Station 2 to Station 3, S. 73° 29' W., 220.9 ft.

Station 3 to Face, S. 73° 19' W., 87.0 ft.

At 164.0 ft. from the mouth of tunnel, there is a drift 9 ft. long to the left.

At 15.0 ft. in from Station No. 2, there is a winze 15.0 ft. deep

Total workings, 752.1 ft. of 5 x 7 ft. drifting and 15 ft. of 4 x 4 ft. winze.

Total value, \$10,500.00

Tunnel No. 1, 4 x 3 x 125 ft. long hrs. S. 84° 0' W., the mouth of which hrs. from Cor. No. 3, Copper Bluff

lode, Survey No. 2220, S. 73° 52' E., 391.0 ft.,

Value, \$1350.00

Tunnel No. 2, 4 x 6 x 175 ft. long brg. N. 83° 0' W., brs. from Cor. No. 2, Iron Cap lode, Survey No. 2220, S. 85° 5' W., 150.0 ft. . . .

Value, \$1750.00

Tunnel No. 3, 4 x 6 x 140 ft. long brs. S. 89° W. brs. from S.E.F.O. Rodea lode, Survey No. 2220 N. 88° W., 471.0 ft.

Value, \$1400.00

Tunnel No. 4, or Rieder tunnel, the mouth of which brs. from Cor. No. 3, Hidden Treasure lode, Survey No. 2220, N. 59° 0' E., 144.0 ft. and has the following underground workings.

Mouth to Station No. 1, S. 58° 25' E., 76.0 ft.

Station No. 1 to Station No. 2, S. 7° 30' E., 21.0 ft.

Station No. 2 to Station No. 3, S. 38° 30' E., 90.0 ft.

Station No. 3 to Station No. 4, S. 61° 45' E., 23.0 ft.

Station No. 4 to Station No. 5, S. 82° 30' W., 41.0 ft.

Station No. 5 to Station No. 6, S. 49° 0' E., 47.0 ft.

Station No. 6 to Station No. 7, N. 82° 30' E., 18.0 ft.

Station No. 7 to Station No. 8, S. 39° 15' E., 24.0 ft.

Station No. 8 to Face, S. 44° 30' E., 50.0 ft.

At 11 ft. from Station No. 6, a drift brs. S. 47° 30' E. 44.0 ft. long.

At 25 ft. from Station No. 6, a drift brs. N. 47° 30' W., 53 ft. long.

Total workings, 462.0 ft. of 5 x 7 ft. drifting.

Total value, \$8,910.00

Tunnel No. 5, 4 x 6 x 200 ft. long brs. N. 72° 0' W. ^(The mouth of which) brs. from Cor. No. 1, Queen lode, Survey No. 2220, N. 55° 56' W., 236.0 ft.

Value, \$3000.00

Tunnel No. 6, 4 x 6 x 110 ft. long brg. S. 90° W., the mouth of which brs. from Cor. No. 3, Rodea lode, ^{Sur. No. 2220} N. 51° E., 9.0 ft.

Value, \$1,100.00

Deep shaft No. 1, 4 x 6 x 125 ft. deep, well timbered brs. from Cor. No. 3, Rodea lode, Survey

No. 2220, N. 05° 56' E., 371.0 ft. Value, \$2,500.00

Deep shaft No. 2, 4 x 6 x 100 ft. deep, well timbered brs. from Cor. No. 4, Joe Wheeler lode, Survey No.

2220, S. 10° 37' E., 131.0 ft. Value, \$2,000.00

Total value of work in seven (7) tunnels and two (2) shafts, \$29,430.00

The property of the Manhattan Development Company embraces thirty-eight (38) claims as follows:

- 24 claims in Survey No. 2220
- 6 claims in Survey No. 2228
- 1 claim in Survey No. 2229
- 1 claim in Survey No. 2230
- 3 claims in Survey No. 2231
- 3 claims in Survey No. 2232

No part of the \$29,430.00 has been used for patenting claims, being expressly reserved to apply on the thirty-eight (38) claims in Surveys No. 2220, 2228, 2229, 2230, 2231 and 2232.

Twenty-four thirty-eighths (24/38) of this \$29,430.00 has been used for the improvements on Mineral Survey No. 2220, expressly reserving at that time a six-thirty-eighths (6/38) interest of the above amount for the claims of this survey.

The seven (7) long tunnels in connection with the two (2) main shafts are so located that it is possible to explore and develop to the best advantage this entire group of thirty-eight (38) claims; from an economic standpoint, the locations are the most favorable the group affords as they are well accessible from the source of supplies, both in the matter of grade and distance.

The claims of Survey No. 2220, 2228, 2229, 2230, 2231, 2232 are a compact group and it is believed by the seven (7) tunnels and the two (2) main shafts the mineral possibilities can be developed to the best advantage and each claim benefited equally by the work and therefore the seven (7) tunnels and the two (2) main

shafts must be justly considered as tending to develop the entire group of claims owned by the Manhattan Development Company, and thus the claims of this survey.

DULL DOG

No. 1 Discovery cut, 4 x 12 x 10 ft. brs. from S.E.E.C.,
N. 37° 51' E., 50.0 ft. Value, \$100.00

An undivided 1/38th interest in the seven long
tunnels and two main shafts. \$775.00

Total Improvements, \$875.00

COPPER BELL

No. 1 Discovery cut, 4 x 12 x 15 ft. brs. from S.E.E.C.
N. 61° 31' E., 746.0 ft. Value, \$125.00

No. 2 Cut, 4 x 10 x 15 ft. brs. from S.E.E.C. N. 57° 30'
E., 30.0 ft. Value, \$100.00

An undivided 1/38th interest in the seven long
tunnels and two main shafts. \$775.00

Total Improvements, \$1000.00

LOIS

No. 1 Discovery cut, 5 x 15 x 10 ft. brs. from S.E.E.C.
N. 50° 54' E., 100.0 ft. Value, \$100.00

An undivided 1/38th interest in the seven long
tunnels and two main shafts. \$775.00

Total Improvements, \$875.00

COPPER GLANCE

No. 1 Discovery cut, 4 x 12 x 10 ft. brs. from S.E.E.C.
S. 44° 54' E., 75.0 ft. *value* \$100.00

An undivided 1/38th interest in the seven long
tunnels and two main shafts, \$775.00

Total Improvements, \$875.00

COPPER TOP

No. 1 Discovery shaft, 4 x 6 x 10 ft. deep brs. from
S.E.E.C. location N. 61° 31' E., 748.0 ft. Value, \$100.00

No. 2 Shaft, 4 x 6 x 12 ft. deep brs. from Cor. No. 5,
S. 59° 47' E., 617.0 ft. Value, \$100.00


No. 3 Shaft, 4 x 6 x 12 ft. deep brs. from Cor. No. 5,

	S. 58° 34' E., 421.0 ft.	Value, \$180.00
No. 4	Shaft, 4 x 6 x 75 ft. deep hrs. from Cor. No. 5,	
	S. 57° 10' E. 598.0 ft.	Value, \$750.00
No. 5	Cut, 4 x 12 x 10 ft. hrs. from Cor. No. 1, N. 72°	
	46' W., 519.0 ft.	Value, \$100.00
	An undivided 1/38th interest in the seven long	
	tunnels and two main shafts,	<u>\$775.00</u>
	Total Improvements,	\$1965.00

AETNA

No. 1	Discovery cut 4 x 15 x 10 ft. hrs. from S.L.M.C.	
	N. 67° 51' E., 751.0 ft.	Value, \$100.00
	An undivided 1/38th interest in the seven long	
	tunnels and two main shafts,	<u>\$775.00</u>
	Total Improvements,	\$875.00

TOTAL IMPROVEMENTS OF GROUP, \$2,840.00



 U.S. Deputy Mineral Surveyor

Dated at Bisbee, Arizona,
 August 15th, 1906.

Affidavit of Five Hundred Dollars Improvements.

We, J. P. Chiado and Harry Locke

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Bull Dog, Copper Bell, Lois, Copper Glance, Copper Top and Aetna mining claim, situate in California

mining district, Cochise County, Arizona Territory, for which

The Manhattan Development Company

has made application for survey prior to application for patent under the provisions of the Act of Congress approved May 10, 1872; and that the labor done and improvements made thereon by the applicant... and (for each location thereof) its grantor exceed five hundred dollars in value, and further that we are not personally interested in said mine.

J. P. Chiado
Harry Locke

TERRITORY OF ARIZONA, }
COUNTY OF Cochise } ss:

Sworn to and subscribed before me this 15th day of August, 1906

[SEAL.]

Frank J. [Signature]

NOTARY PUBLIC

In and for the County of Cochise, Territory of Arizona.
My Commission Expires March 12, 1910.

Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

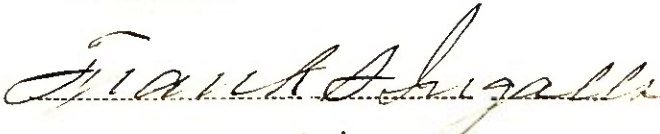
I, U. S. Surveyor General for District of Arizona, do hereby certify that Five Hundred Dollars' worth of labor has been expended or improvements made by claimant or its ^{or for each of} grantors, upon the mining claims of Manhattan Development Company

known as the Bull Dog, Copper Bell, Lois, Copper Glance, Copper Top, and Aetna, situate in California mining district, Cochise County, Arizona

in Section _____, Township No. _____, Range No. _____;

that said improvements consist of Bull Dog, 1 cut, valued at \$100.00; Copper Bell, 2 cuts, valued at \$225.00; Lois, 1 cut, valued at \$100.00; Copper Glance, 1 cut, valued at \$100.00; Copper Top, 4 shafts and 1 cut, valued at \$1190.00; Aetna, 1 cut, valued at \$100.00, and an undivided 6/32th interest in the seven long tunnels and two deep shafts, situated on Survey No. 2320, value \$4650.00, total value on group \$6465.00.

_____ , and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim. A copy of the report of I. J. Stauber, U. S. Deputy Mineral Surveyor, dated August 15, 1906, 18____, is hereto attached.


U. S. Surveyor General for Arizona

Office of U. S. Surveyor General,
Phoenix, Arizona,

August 27, 1906, 1 _____

Large
maps