

S.C.F. 1  
SEP. 7, 1920  
DE. - 3 1920

4-683

MINERAL SURVEY No. 3679

LOT No. ....

Arizona Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

~~Stratton Consolidated Copper Company~~

KNOWN AS THE

APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET,  
OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO 2, KEENEY and WILSON Lodes.

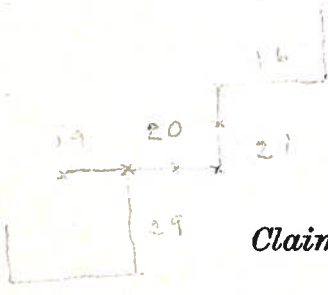
Old Hat Mining District,

Pima County, Arizona

Sections 17-18-19-20 <sup>Unsur.</sup>, Township 11 S., Range 16 E. G. & S.R.M.

Surveyed under instructions dated May 20, 1920

by J. N. Stevens  
U. S. Mineral Surveyor.



Claim located See location notices, 19

Survey commenced June 20, 1920

Survey completed July 1, 1920

Address of claimant Chas N. Wilson, Sec'y, Tucson, Ariz.

#### DATES OF AMENDED LOCATIONS.

See location notices

Claims  
Alabama  
Apex  
Apex No. 2  
Bornite  
Contact  
Cuprite  
Emberseite  
Epidote  
Garnet  
Keeney  
Over The Top  
Valley  
Wilson  
Yellow Copper

MINERAL SURVEY NO. 3679  
M & B Desc.  
Pg. 2  
1  
16  
4  
5  
6  
9  
7  
11  
17  
13  
15  
19  
15

Improvements  
Pg. 22  
22  
27  
22  
22  
23  
24  
24  
24  
24  
25  
28  
25  
22  
26  
28  
25

Loc. Notices  
Pg. 2 Red  
1  
12  
3  
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7  
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13  
11  
11  
14  
10

MINERAL SURVEY NO. 3679

Feet

APEX LODGE.

Beginning at Cor.No.1, identical with Cor.Nos.2,3, and 4 Contact, Over The Top and Apex No.2 lodes respectively, of this Sur.

A porphyry rock 8x10x10 ins. above ground, set 12 ins. in the ground, chiseled with a cross (x) 1A,2C,30T and 4 A.No.2 - 3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside,whence the NW Cor. Sec 29., T.11 S.,R. 16 E. brs S 17° 02' E. 5032.2 ft.

No other bearings are available

Thence N 82° 16' W  
Va 13° 30' E

300. To S. end center, identical with N. end center, Apex No.2 lode of this Sur.

An oak post 4' ins. diam by 4 ft high, set firmly in the ground and surrounded with a md of stone  $3\frac{1}{2}$  ft base by 3 ft high, Scribed S Cr.A and N.Cr A.No.2.

600 To Cor.No.2 identical with Cor.No.3 Apex No.2 lode of this Sur.

A quartzite rock 8x12x12 ins. above ground set 12 ins. in the ground and chiseled with a cross (X) 2-A, 3-A No.2, 3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside.

No bearings are available

Thence N.1° 18' E.  
Va. 13° 30' E

1180 Gulch brs westerly .

1500 To Cor.No.3.

A concrete monument 10 ins.sq. by 12 ins. above ground, set on concrete base 14 ins. sq, 12 ins. in the ground, with brass cap on top 2 ins.sq. stamped with cross (X) 3A,3679.

An oak tree 12 ins. diam. brs N 61° 15' W.16 ft., blazed and scribed 3-3679 BT.

## SURVEY NO. 3679

## APEX, LODE

Feet

No other bearings are available.

Thence S. 82° 16' E.  
Va. 13° 30' E

300 To N. end Center.

An oak post 4 ins. diam. by 4 ft high, set firmly in the ground and surrounded with a md of stone 3½ ft base by 3 ft high. Scribed N.Cr.A.

600 To Cor.No.4 identical with Cor.No.3 Contact lode of this Sur.

A limestone 8x12x8 ins.above ground, set 12 ins. in the ground and chiseled with a cross (X) 4A, 3C-3679 with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

Thence S 1° 18' W.  
Va. 13° 30' E.

360 Gulch brs West.

1500 To Cor.No.1, the place of beginning.

ALABAMA LODE

Beginning at Cor.No.1, identical with Cor.Nos. 2, 3 and 4 Keeney, Bornite and Cuprite lodes respectively of this Sur.

A limestone in place 12x24 ins., showing 24 ins. above ground, chiseled with cross (X) 1A, 2K 3B and 4C 3679, with md of stone 3½ ft base by 3 ft high alongside, whence the NW Cor. Sec.29, T.11 S., R.16 E., brs S 3° 30' E., 4658.6 ft.

No other bearings are available.

Thence N. 82° 16' W  
Va. 13° 30' E.

300 To S. end center identical with N. end center Cuprite lode of this Sur.

An oak post 4 ins. diam, by 4 ft high, set firmly in the ground and surrounded with md of stone 3½ ft base

SUR. NO. 3679

Feet

ALABAMA LODE, Cont'd

by 3 ft high. Scribed S Cr.A and N.Cr.C.

600

To Cor.No.2, identical with Cor.Nos. 3, 4, and 1 Cuprite  
Over the Top and Contact lodes respectively of this  
Sur.

A limestone in place 14x12 ins., showing 12  
ins. above ground, chiseled with cross (X) 2A,3C,4 OT  
and 1C, with md of stone 3½ ft base by 3 ft high  
alongside.

- No bearings are available

Thence N. 1° 18' E  
Va. 13° 30' E.

1000

Gulch brs NW

1500

To Cor.No.3 identical with Cor.No.4 Contact lode of  
this Sur.

A limestone 12x14x12 ins. above ground set 12  
ins. in the ground, chiseled with cross (X) 3A,4C-3679  
with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available

Thence S 82° 16' E.  
Va. 13° 30' E.

300

To N.end center. An oak post 4 ins. diam by 4 ft high  
set firmly in the ground and surrounded with md of  
stone 3½ ft base by 3 ft high. Scribed N.Cr.A.

600

To Cor.No. 4, identical with Cor.No.3 Keeney lode of  
this sur.

A quartzite rock 6x8x10 ins. above ground, set  
12 ins. in the ground, chiseled with a cross (X) 4A  
3K - 3679, with md of stone 3½ ft base by 3 ft high.

No bearings are available

Thence S 1° 18' W  
Va 13° 30' E

1500

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

SUR .NO.3679

BORNITE LODE

Feet

Beginning at Cor.No.1, identical with W.end Center Valley lode of this sur.

A Quartzite rock 7x10x6 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 1B, W Cr V - 3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside; Whence the NW Cor. Sec. 29 T. 11 S. R. 16 E. brs S  $5^{\circ}34'$  W. 2782.8 ft

A juniper tree 24 ins diam brs. S.  $16^{\circ}30'$  W. 7.5 ft, blazed and scribed 1-W Cr V-3679 BT.  
Thence N.  $82^{\circ}16'$  W.  
300 To S. end Center. Va. 13 30' E.

An oak post 4 ins. diam by 4 ft high, set firmly in the ground and surrounded with md of stone  $3\frac{1}{2}$  ft base by 3 ft high, Scribed S Cr. B.

600 To Cor.No.2, identical with Cor.No.1 Cuprite lode of this Sur.

A quartzite rock 8x10x10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 2B, 1C 3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside.

No bearings are available.

Thence N.  $1^{\circ}18'$  E.  
Va.  $13^{\circ}30'$  E.

640 Gulch brs East.

1500 To Cor.No.3, identical with Cor.Nos.4, 1 and 2 Cuprite, Alabama and Keeney lodes respectively, of this sur., heretofore described.

Thence S.  $82^{\circ}16'$  E  
Va  $13^{\circ}30'$  E.

300 To N.end center, identical with S end center Keeney lode of this Sur.

An oak post 4 ins. diam by 4 ft high set firmly in the ground, and surrounded with md of stone  $3\frac{1}{2}$  ft base by 3 ft high; Scribed N Cr B and S Cr K.

SURVEY No. 3679

BORNITE LODE Cont'd

Feet

600

To Cor.No.4, identical with Cor.Nos. 1 and 4 Keeney and Yellow Copper lodes respectively of this Sur. and Cor.No.3 Sur.No.3499 Katherine lode, Daily Arizona Consolidated Copper Co., Claimant.

A quartzite rock 6x6x12 ins. above ground, set 12 ins. in the ground, chiseled with Cross (X) 4B, 1K, 4YC-3679 and 3K-3499, with md of stone 3 1/2 ft base by 3 ft high alongside.

No bearings are available.

Thence S 1° 18' W  
Va. 13° 30' E.

300

To W. end Center Yellow Copper lode of this Sur. hereinafter described.

365  
600

Gulch brs. southeast  
To Cor.No.3 Yellow Copper and Cor.No.2 Garnet lodes both of this Sur., hereinafter described.

900

To W. end Center Garnet lode of this Sur. hereinafter described.

1060  
1200

Gulch brs. east  
To Cor.No.1 Garnet lode of this Sur. hereinafter described.

1500

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

CONTACT LODE.

Beginning at Cor.No.1 identical with Cor.Nos.2, 3, and 4, Alabama, Cuprite and Over the Top lodes respectively of this Sur, heretofore described, whence the NW Cor. of Sec 29, T. 11 S. R. 16 E. brs S 10° 32' E, 4811.2 ft.

Thence N 82° 16' W  
Va. 13° 30' E.

300

To S. end Center identical with N. end Center, Over the Top lode of this Sur.

An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3 1/2 ft base by 3 ft high; Scribered S Cr C and N Cr Of.

SURVEY No. 3679

Feet

CONTACT LODE Cont'd

600 To Cor.No.2, identical with Cor.Nos. 3, 4, and 1 Over The Top, Apex No.2 and Apex lodes respectively, of this Sur, heretofore described.

Thence N 1° 18' E  
Va. 13° 30' E.

1140 Gulch brs west.

1500 To Cor.No.3 identical with Cor.No.4 Apex lode of this Sur, heretofore described.

Thence S 82° 16' E  
Va. 13° 30' E.

300 To N. end Center.

An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with a md of stone 3½ ft base, 3 ft high, scribed N Cr.C.

600 To Cor.No.4 identical with Cor.No.3 Alabama lode, of this Sur. heretofore described.

Thence S 1° 18' W  
Va. 13° 30' E.

500 Gulch brs NW.

1500 To Cor.No.1 the place of beginning.

CUPRITE LODE

Beginning at Cor.No.1 identical with Cor.No.2 Bornite lode of this Sur heretofore described, whence the NW Cor. of Sec. 29 T.11 S.R., 16 E., Brs S 5° 47' E 3166.7 ft.

Thence N. 82° 16' W  
Va. 13° 30' E.

300 To S end center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed S Cr C.

600 To Cor.No. 2, identical with Cor.No.1 Over The Top lode of this Sur.

A quartzite rock 10x12x8 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 2C 1-OT 3679, with md of stone 3½ ft base by 3 ft <sup>high</sup> alongside.



SURVEY NO. 3679

Feet

CUPRITE Lode Cont'd

No bearings are available.

Thence N 1° 18' E  
Va 13° 30' E.

1500 To Cor.No.3 identical with Cor. Nos. 1,2, and 4, Contact, Alabama and Over The Top lodes, respectively, of this Sur. heretofore described.

Thence S 82° 16' E.  
Va. 13° 30' E.

300 To N. end Center, identical with S End Center Alabama lode of this Sur. heretofore described.

600 To Cor.No.4, identical with Cor.Nos 1, 2, and 3 Alabama Keeney and Bornite lodes respectively of this sur. heretofore described.

Thence S 1° 18' W  
Va. 13° 30' E.

860 Gulch brs. East.

1500 To Cor. No.1, the place of beginning.

EPIDOTE LODGE.

Beginning at Cor. No.1 on line 2-3, Sur. No.3499 , Katherine lode, at N.82° 16'W, 649.78 ft from Cor.No.2 and S.82° 16' E, 789.12 ft from Cor.No.3.

A limestone 5x8x12 ins. above ground set 12 ins. in the ground, chiseled with a cross (X) 1-E-3679, with md, of stone 3½ ft base by 3 ft high alongside, whence the NW Cor.Sec.21 T.11 S.,R.16 E prs N.78° 54' E.,4169.0 ft.

No other bearings are available

Thence N.82° 16' W.  
Va. 13° 30' E.

357 To S. end center, an oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, scribed S.Cr.E.

714 To Cor.No.2.

A quartzite rock 5x8x10 ins. above ground, set 12

SURVEY NO. 3679

Feet

EPIDOTE LODE, CONT'D

ins. in the ground, chiseled with Cross (X) 2E-3679 with md of stone 3½ ft base by 3 ft high alongside.

Loc.Mon. brs N.82°16' W. 32 ft

No other bearings are available.

Thence N.18°22' W.  
Va. 13°30' E.

221.8 Intersect line 3-4, Sur.No.3499 Katherine lode, at N 1°18'E 200.45 ft from Cor.No.3 and S.1 18' W 293.55 ft from Cor.No.4; also line 4-1 Keeney lode of this Sur. S.1 18'W., 1299.55 ft from Cor.No 4  
1403.38 To Cor.No.3.

A limestone in place showing 8x12x6 ins. above ground, chiseled with cross (X) 3E-3679, with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

Thence S 82° 16 ' E  
Va. 13° 30' E.

161.0 To N. end Center.

A pine post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with a md of stone 3½ ft base by 3 ft high, scribed N.Cr.E.

400 To Cor.No.4 on line 3-4 Sur. No.3499 Wedge No.3 lode, at N 1°18'E. 174.27 ft. from Cor.No.4 and S 1°18'W 425.73 ft from Cor.No.3; also on line 4-1 Keeney lode of this Sur, - S 1 18'W., 231.73 ft. from Cor. No.4

A limestone 6x8x10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 4 E-3679 with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available

Thence S. 28° 44' E  
Va. 13° 30' E.

215.34 Intersect lines 4-1 Sur.No.3499 Wedge No.3 and Wedge No. 2 lodes at S.82°16' E. 108.26 ft. from Cor.No.4 and N.82°16' W. 1330.61 ft. from Cor.No.1.

## SURVEY NO. 3679

Feet

## EPIDOTE Lode, Cont'd

956.72 Intersect line 2-3 and 4-1 Sur.No.3499 Wedge No.2 and Katherine lodes respectively, at S 82° 16' E. 481.68 ft from Cor.Nos.3, 4, and N 82° 16' W. 957.22 ft from Cor.Nos. 1-2. Cor.No.4 said Wedge No.2 lode, brs. N. 1° 18' E. 600 ft. from Cor. No. 3 thereof.

1567.08 To Cor.No.1 the place of beginning.

EMBERSITE LODE

Beginning at Cor.No.1

A granite rock 6x8x10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 1-E 3679, with md of stone 3½ ft base by 3 ft high alongside, whence the W¼ Cor. Sec.21, T.11 S.R.16 E. brs S 73° 54' E. 3020.7 ft.

Cor.Nos.1-2 and 4 Sur. No.3056 Copper Head, Giant and Centennial lodes respectively, Copper Queen Consolidated Mining Company, claimant, Brs S 20° 51' E. 172.19 ft.

An oak tree 15 ins. diam. brs N 14° 30' E., 12.8 ft, blazed and scribed 1-E-3679 BT. Cor. No.9 Sur No.363 Saint Nicholas lode, Claimant unknown, brs S.86° 09' W., 59.55 ft. No other bearings are available.

Thence N 58° 01' W.

Va. 13° 30' E.

79.06 Intersect line 9-3 Sur. No.363 Saint Nicholas lode at N.9°-28' W/ 46.51 ft. from Cor. No.9 and S 9°-28'E/ 367.22 ft from Cor. No.3.

548.84 To S. end center.

An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft. high. Scribed S. Cr. E.

681.28 Intersect line 3-5 Sur. No.363 Saint Nicholas lode at S 84°-31' W., 452.48 ft. from Cor. No.3

697.67 To Cor.No.2, on line 3-4 Sur.No.3056, Copper Head lode, at N.83° 22' E. 495.21 ft from Cor.No.3 and S.83° 22' W. 548.26 ft. from Cor.No.4; also on line 1-2 Yellow Copper lode of this Sur.

A concrete monument 10 ins. sq. by 12 ins. above ground, set on concrete base 14 ins. sq. and 12 ins. in the ground, with brass cap on top 2 ins. sq. stamped. with Cross (X) 2-E-3679, with md of stone 3½ ft base by

## SURVEY NO. 3679

Feet

## EMBERSITE LODE, Cont'd

3 ft high alongside.

An oak tree 8 ins. diam. brs S 37° E. 5 ft. blazed and scribed 2-3679 BT.

Loc.Mon. brs S. 1° 18' W. 31.38 ft

No other bearings are available.

Thence N 1° 18' E  
Va 13° 30' E.

- 268.62 To E. end center, Yellow Copper lode of this Sur. hereinafter described.
- 568.62 To Cor.No.1 Yellow Copper lode of this Sur. hereinafter described and Cor.No.2, Sur.No. 3499 Katherine lode.
- 762.62 To Cor.No.3 identical with Cor.No. 3 Sur.No.3499 Calumet lode.

A porphyry rock showing 8x8x6 ins. above ground chiseled with cross (X) 3E 3679 and 3C-3499 with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available

Thence S 58° 01' E  
Va. 13°-30' E.

- 348.83 To N. end center, identical with S. end Center Sur.No.3499 Calumet.lode. An ironwood post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, scribed N.Cr E and S Cr C.
- 697.67 To Cor.No.4, identical with Cor.No.4 Sur.No.3499 Calumet lode; on line 3-4 Sur.No.3056 Wedge lode at N. 1° 18' E. 405.14 ft from Cor.No.3 and S. 1° 18' W., 892.4 ft from Cor.No.4

A limestone showing 6 x 18 x 6 ins. above ground chiseled with cross (X) 4 E-3679 and 4 C-3499, with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

Thence S 1° 18' W.  
Va. 13° 30' E.

- 398.97 Intersect line 3-4 Sur.No.3056 Giant lode, at S 57° 35' E 57.27 ft from Cor.No.3 and N. 57° 35' W. 1122.13 ft from

SURVEY NO. 3679

EMBERSITE LODE, Cont'd

Feet

Cor. No.4.

405.14 To Cor. No.3 Sur. No.3056 Wedge lode

607.23 Intersect line 4-1 Sur.No.3056, Copper Head lode, at S 10° 21'E. 282.1 ft from Cor.No.4, and N.10° 21'W. 321.5

ft from Cor.No.1. Also intersect line 2-3 Sur. No. 3056 Giant lode at S 10° 21' E., 242.9 ft. from Cor. No. 3.

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

GARNET LODE.

Beginning at Cor.No.1, identical with Cor.No.2 Valley lode and on line 4-1 Bornite lode, both of this Sur.

A quartzite rock 10x12x10 ins. above ground set 12 ins. in the ground chiseled with cross (X) 1-G, 2 V-3679 with md. of stone 3½ ft base by 3 ft high alongside, whence the NW Cor. Sec. 29 T.11 S.R. 16 E brs. S 4° 48' W. 3380.7 ft.

No other bearings are available

Thence N. 1° 18' E.

Va. 15° 30' E.

140.0 Gulch brs.east.

300 To W. end center.

An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed W Cr.G.

600 To Cor.No.2 identical with Cor.No.3 Yellow Copper lode of this Sur.

A limestone 8x10x12 ins. above ground, set 12 ins. in the ground and chiseled with cross (X) 2G, 3 YC 3679, with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

Thence S 82° 16' E.

Va 15° 30' E.

140.0 Gulch brs SE.

338.9 Trail brs SE.

1313.64 Intersect line 3-4 Sur.No.3056 Copper Head lode, at N.83° 22'E., 369.54 ft. from Cor.No.3

1346.22 Intersect line 3-5 Sur. No. 363 Saint Nicholas lode at N, 84° 31' E.,

## SURVEY No. 3679

Feet

## GARNET LODE, Cont'd

401.17 ft from Cor. No. 5.

1438.9 To Cor.No.3, identical with Cor.No.2 Yellow Copper lode of this Sur.

A porphyry ledge 15 ft long by 10 ft. high, Corner point at south end, chiseled with cross (X) 3G 2 YC-3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside. Cor.No.3 Sur.No.3056 Copper Head lode brs S. 87° W., 491.87 ft.

No other bearings are available.

Thence S 1° 18' W  
Va. 13° 30' E.

300 To E end Center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with a md of stone  $3\frac{1}{2}$  ft base by 3 ft high, scribed E cr. G.

478.91 Intersect line 8-9 Sur. No.363 Saint Nicholas lode at N.75° 54'E. 59.54 ft from Cor No8 and S 75° 54'W.560.89 ft from Cor No 9.

482.14 Intersect line 1-2 Sur.No.3056, Copper Head lode, at S 88° 32'E. 395.53 ft from Cor.No.2 and N.88° 32' W.664.92 ft from Cor.No.1. Also line 3-4 Sur.No.3056 Centennial lode at S 88° 32'E 215.53 from Cor.No.3, and N.88° 32' W. 664.92 ft from Cor.No.4. From Cor. No.2 said Copper Head lode Cor. No. 3 thereof brs. N. 10° 46' W. 454.10 ft.

600 To Cor.No.4, identical with Cor. No.3 Valley lode of this Sur.

A granite rock 10x10x12 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 4G, 3V-3679 with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside.

Cor. No.3 Sur. No.3056 Centennial lode. brs N.59° 54' W. 245.95 ft.

An oak tree 14 ins. diam. brs S 20° W. 11.5 ft.

No other bearings are available

Thence N.82° 16'W.  
Va. 13° 30' E.

76.69 Intersect line 2-3 Sur.No.3056 Centennial lode, at

S 50° 26'E. 177.45 ft from Cor.No.3 and N. 20° 28' E.

281.16 Intersect line 7-8 Sur No. 363 Saint Nicholas lode at N.72° 55'E., 108.33 ft. from Cor. No.7 & S.72° 55'W. 233.93 ft. from Cor. No. 8.

393.62 Intersect line 5-7 Sur. No.363 Saint Nicholas lode at S, 9° 32'E., 528.39 ft. from Cor. No. 5.

675.0 Trail brs NE.

1078.9 Gulch brs SE.

SURVEY NO. 3679

Feet

GARNET LODE Cont'd.

1438.9 To Cor.No.1, the place of beginning.

OVER THE TOP Lode.

Beginning at Cor.No. 1, identical with Cor.No.2 Cuprite lode of this Sur. heretofore described, whence the NW Cor. of Sec.29 T. 11 S.R. 16 E. brs S 15° 47' E.3357.8 ft.

Thence N.82° 16' W  
Va. 13° 30' E

300 To S. end center, an oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed S Or OT.

600 To Cor.No.2, identical with Cor.No.1 Apex No.2 lode of this sur.

A quartzite rock 8x10x8 ins. above ground set 12 ins.in the ground, chiseled with cross (X) 1-A No.2, 2 OT-3679, with md of stone 3½ ft base by 3 ft high alongside.

An oak tree 8 ins. diam. brs. S 60° 30' E.10 ft blazed and scribed 1-2-3679 BT.

No other bearings are available.

Thence N.1° 18' E  
Va. 13° 30' E.

1500 To Cor.No.3, identical with Cor.Nos.1, 2, and 4, Apex Contact and Apex No.2 lodes respectively of this Sur. heretofore described.

Thence S 82° 16' E  
Va. 13° 30' E.

300 To N. end Center, identical with S end Center, Contact lode of this Sur. heretofore described.

600 To Cor.No.4, identical with Cor.Nos.1,2 and 3 Contact, Alabama and Cuprite lodes respectively of this Sur. heretofore described.

Thence S 1° 18' W  
Va. 13° 30' E.

SURVEY No. 3679	
Feet	<u>OVER THE TOP LODE, Cont'd.</u>
1500	To Cor.No.1 the place of beginning.
<u>YELLOW COPPER LODE.</u>	
Beginning at Cor.NO.1 identical with Cor.No.2 Sur. No.3499 Katherine lode, on line 2-3 Embersite lode of this Sur.	
A limestone 8x12x10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 1 YC 3679 and 2K-3499, with md of stone $3\frac{1}{2}$ ft base by 3 ft high alongside, whence the NW Cor. Sec 21 T.11 S.R. 16 E brs N.75° 31' E. 3560.3 ft.	
No other bearings are available	
Thence S.1° 18' W Va. 13° 30' E.	
300	To E end center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with a md of stone $3\frac{1}{2}$ ft base by 3 ft high, Scribed E Cr YC.
568.62	To Cor.No.2 Embasite lode of this Sur. Also intersect line 3-4 Sur.No.3056 Copper Head lode at N.83° 22' E. 495.21 ft from Cor.No.3 and S.83° 22' W. 548.26 ft from
578.66	Intersect line 3-5 Sur No. 363 Saint Nicholas lode at S.84° 31' W., 466.67 ft from Cor No.3.
600	To Cor.No.2 identical with Cor.No.3 Garnet lode of this Sur. heretofore described.
Thence N 82° 16' W. Va. 13° 30' E. 16' W.	
92.68	Intersect line 3-5 Sur. No.363 Saint Nicholas lode at N.84° 31' E., 401.17 ft. from Cor. No.5, and S.84° 31' W. 559.42 ft. from Cor No.3.
125.26	Intersect line 3-4 Sur.No.3056, Copper Head lode at N.83° 22' E. 369.54 ft from Cor.No.3 and S.83° 22' W. 678.93 ft. from Cor.No.4
1100	Trail brs NW.
1298.9	Gulch brs SE.
1438.9	To Cor.No.3 identical with Cor. No. 2 Garnet lode of this Sur. heretofore described.
Thence N.1° 18' E. Va.13° 30' E.	
235	Gulch brs. SE.



SURVEY NO. 3679

Feet

YELLOW COPPER LODE Cont'd.

- 300 To W.end Center. An oak post 4 ins. diam. by 4 ft high set firmly in the ground and surrounded with a md of stone 3½ ft base by 3 ft high, scribed W Cr.YC.
- 600 To Cor.No.4 identical with Cor.Nos. 4 and 1 Bornite and Keeney lodes respectively of this Sur. and Cor. No.3 Sur.No.3499 Katherine lode, heretofore described.  
Thence S 82° 16' E  
Va. 13° 30' E.
- 75.12 To Cor. No.2 Epidote lode of this Sur. heretofore described.
- 432.12 To S. end center Epidote lode of this Sur. heretofore described.
- 789.12 To Cor.No.1 Epidote lode of this Sur. heretofore described.
- 1438.9 To Cor.No.1, the place of beginning.

VALLEY LODE

Beginning at Cor.No. 1 identical with Cor.No.2 Wilson lode of this Sur.

A granite ledge 15 ft high by 50 ft long, chiseled with cross (X) 1V, 2W-3679, with md of stone 3½ ft base by 3 ft high alongside. Whence NW Cor. of Sec 29 T. 11 S.R 16 E. brs S 5° 34'W. 2782.8 ft.

No other bearings are available.

Thence N 1° 18' E  
Va 13° 30' E.

- 300 To W. end Center, identical with Cor.No.1 Bornite lode of this Sur heretofore described.
- 600 To Cor.No.2 identical with Cor.No. 1 Garnet lode of this Sur. heretofore described.  
Thence S 82° 16' E  
Va. 13° 30' E.
- 360 Gulch brs SE.
- 763.9 Trail brs NE.
- 1045.28 Intersect line 5-7 Sur. No.363 Saint Nicholas lode at N.9-32'W., 47.61 ft. from Cor. No.7.
- 1157.74 Intersect line 7-8 Sur. No.363 Saint Nicholas lode at N.72-55'E., 108.33 ft. from Cor. No. 7.

## SURVEY NO. 3679

VALLEY LODE CONT'd

Feet	
1362.21	Intersect line 2-3, Sur. No. 3056 Centennial lode at S 50° 26' E. 177.45 ft from Cor. No. 3 and N. 50° 26' W. 1296.65 ft from Cor. No. 2.
1438.9	To Cor. No. 3 identical with Cor. No. 4 Garnet lode of this Sur. heretofore described.
	Thence S 1° 18' W. Va. 13° 30' E
51.52	Intersect line 2-3 Sur. No. 3056, Centennial lode, at S 50° 26' E. 274.51 ft from Cor. No. 3 and N. 50° 26' W. 1199.59 ft from Cor. No. 2.
300	To E. end Center.
	A pine post 4 ins. sq. by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high, Scribed E Cr. V.
350	Road brs East.
425	Road Brs. East
490	Gulch brs SE
600	To Cor. No. 4 identical with Cor. No. 3 Wilson lode of this Sur.
	A granite rock 10x10x12 ins. above ground set 12 ins. in the ground, chiseled with cross (X) 4 V, 3W-3679 with md of stone 3½ ft base by 3 ft high alongside.
	No bearings are available
	Thence N. 82° 16' W Va., 13° 30' E.
75.0	Road brs SE.
610	Gulch br's NE.
1438.9	To Cor. No. 1 the place of beginning.

APEX NO. 2 Lode

Beginning at Cor. No. 1, identical with Cor. No. 2 Over the Top lode of this Sur. heretofore described, whence the N.W. Cor. Sec. 29 T. 11 S. R. 16 E. brs S. 24° 29' E. 3638.8 ft.

Feet

## SURVEY NO. 3679

## APEX NO.2 Lode, Cont'd

Thence N.  $82^{\circ}16'$  W.  
Va.  $13^{\circ}30'$  E.

300 To S. end center. An oak post 4 ins. diam by 4 ft. high set firmly in the ground and surrounded with a md of stone  $3\frac{1}{2}$  ft base by 3 ft high. Scribed S.Cr.A.No.2

600 To Cor.No.2

A granite rock  $8 \times 10 \times 12$  ins. above ground set 12 ins. in the ground, chiseled with cross (X) 2A2-3679, with md of stone  $3\frac{1}{2}$  ft base by 3 ft high alongside.

An oak tree 18 ins. diam brs S  $80^{\circ}$  W. 25 ft.

No other bearings are available.

Thence N.  $1^{\circ}18'$  E  
Va.  $13^{\circ}30'$  E.

1500 To Cor.No.3, identical with Cor.No.2 Apex lode of this Sur heretofore described.

Thence S  $82^{\circ}16'$  E.  
Va.  $13^{\circ}30'$  E.

300 To N. end Center, identical with S. end center Apex lode of this Sur. heretofore described.

600 To Cor.No.4, identical with cor. Nos 1, 2, and 3 Apex, Contact and Over The Top lodes respectively of this Sur. heretofore described.

Thence S  $1^{\circ}18'$  W.  
Va.  $13^{\circ}30'$  E

1500 To Cor. No.1, the place of beginning.

KEENEY LODGE

Beginning at Cor.No.1, identical with Cor. Nos. 4 Yellow Copper and Bornite lodes of this Sur. and Cor. No.3 Sur. No.3499 Katherine lode heretofore described, whence the NW Cor.of Sec.29 T. 11 S. Range 16 E. brs S.  $3^{\circ}53'$  W. 4580.6. ft

Thence N.  $82^{\circ}16'$  W.  
Va.  $13^{\circ}30'$  E.

## SURVEY NO. 3679

Feet

KEENEY Lode, Cont'd

- 300 To S end center, identical with N. end Center Bornite lode of this Sur. heretofore described.
- 600 To Cor.No.2, identical with Cor. Nos. 1-4 and 3 Alabama Cuprite and Bornite lodes respectively <sup>of this Survey</sup> heretofore described:
- Thence N. 1° 18' E.  
Va. 13° 30' E.
- 1500 To Cor.No.3, identical with Cor.No.4 Alabama lode of this Sur. heretofore described.
- Thence S 82° 16' E.  
Va. 13° 30' E.
- 300 To N. end Center. A pine post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed N.Cr.K.
- 600 To Cor.No.4, on line 3-4, Sur.No.3499 Wedge No.3 lode, at S.1-18'W., 194 ft. from Cor. No.3.
- An iron pipe 1 in. diam, by 24 ins. high set 18 ins. in concrete base 14 ins. diam with brass cap on top, 2 in.sq, stamped with Cross (X) 4-K-3679, with md of stone 3½ ft base by 3 ft high alongside:
- No. bearings are available.
- Thence S 1° 18' W.  
Va. 13° 30' E.
- 106 To W. end Center Sur.No.3499 Wedge No.3 lode.
- 251.73 To Cor.No.4 Epidote lode of this Sur. heretofore described.
- 406.0 To Cor. Nos. 4, Sur.No.3499 Wedge No.2 and Wedge No.3 lodes.
- 706 To W. end Center Sur.No.3499 Wedge No.2 lode.
- 1006 To Cor.Nos. 3-4 Sur.No. 3499 Wedge No.2 and Katherine lodes respectively.
- 1200 To W.end Center Sur. 3499 Katherine lode.
- 1299.55 Intersect line 2-3 Epidote lode of this Sur.; at S.18-22'E. 1181.58 ft from Cor. No 3.
- 1500 To Cor.No.1, the place of beginning.

SURVEY NO. 3679

WILSON LODGE.

Beginning at Cor.No.1.

A granite rock 10x12x5 ins. above ground, set 12 ins in the ground, chiseled with cross (X) 1-W-3679, with md of stone 3½ ft base by 3 ft high alongside, whence the NW Cor. of Sec. 29 T. 11 S.R. 16 E. brs S 6°44'W, 2184.8 ft.

No other bearings are available

Thence N. 1°18' E  
Va. 13°30' E.

300 To W. end Center.

An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed W Cr.W.

560 Gulch brs East.

600 To Cor.No.2, identical with Cor.No.1 Valley lode of this Sur. heretofore described.

Thence S 82°16' E  
Va. 13°30' E.

828.9 Gulch brs NE.

1563.9 Road brs SE.

1438.9 To Cor. No.3, identical with Cor.No.4 Valley lode of this Sur heretofore described.

Thence S 1°18' W.  
Va. 13°30' E

50. Road brs SE.

300 To E. end Center. An oak post 4 ins. diam by 4 ft high set firmly in the ground and surrounded with md of stone 3½ ft base by 3 ft high. Scribed E Cr W.

600 To Cor.No.4

A concrete monument 10 ins. sq. by 12 ins. above ground, set on concrete base 14 ins. sq. 12 ins in the ground, with brass cap on top 2 ins. sq, stamped with cross (x) 4W, 3679, with md of stone 3½ ft base by 3 ft high alongside.

No bearings are available.

SURVEY NO. 3679

Feet

WILSON LODE, Cont'd

Thence N. 82° 16' W.  
Va. 13° 30' E.

1438.9 To Cor.No.1, the place of beginning.

LODE LINES

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

- APEX Lode, S 1° 18' W, 25 ft and N. 1° 18' E. 1475. ft
- ALABAMA Lode, S 1° 18' W, 50 ft and N. 1° 18' E 1450 ft
- BORNITE Lode N. 1° 18' E, 100 ft and S 1° 18' W. 1400 ft.
- CONTACT Lode N. 1° 18' E 345 ft and S 1° 18' W. 1155 ft.
- CUPRITE Lode S 1° 18' W 12 ft and N 1° 18' E. 1488 ft
- EPIDOTE Lode, S 25° 06' 20" E 50 ft and N 25° 06' 20" W 1450 ft.
- EMBERSITE Lode, S 1° 18' W 300 ft and N 1° 18' E 462.62 ft
- GARNET Lode, N. 82° 16' W 600 ft and S 82° 16' E. 838.9 ft
- OVER THE TOP Lode N. 1° 18' E 30 ft and S 1° 18' W. 1470 ft
- YELLOW COPPER Lode N. 82° 16' W 180 ft and S 82° 16' E, 1258.9 ft
- VALLEY Lode, S 82° 16' E 50 ft and N. 82° 16' W 1388.9 ft
- APEX No. 2 Lode, N. 1° 18' E 25 ft and S 1° 18' W. 1475 ft
- KEENEY Lode S 1° 18' W 25 ft and N. 1° 18' E 1475 ft.
- WILSON Lode S 82° 16' E 50 ft and N 82° 16' W. 1388.9 ft

AREA.

	Acres
Total area Apex Lode - - - - -	20.531 ✓
Total area Alabama Lode - - - - -	20.531 ✓
Total area Bornite lode - - - - -	20.531 ✓
Total area Contact lode - - - - -	20.531 ✓
Total area Cuprite lode - - - - -	20.531 ✓

SURVEY NO. 3679  
AREA Cont'd

Acres

Total Area Epidote lode - - - - - - - - - - -16.115 ✓  
Area in Conflict with  
Sur.No.3499 Wedge No.3 lode-0.215 ✓  
Sur.No.3499 Wedge No.2 lode-4.037 ✓  
Sur.No.3499 Katherine Lode -6.989 ✓  
Keeney lode of this Sur. ---4.872 ✓

Total area Embersite lode - - - - - - - - - -10.504 ✓  
Area in conflict with  
Sur.No.363 Saint Nicholas lode-1.903 ✓  
Sur No.3056 Giant lode - - - - 0.012 ✓  
Sur No.3056 Copper Head lode - 2.842 ✓  
Sur No.3056 Copper Head lode  
(exclusive of its conflict with  
Sur.No.363 Saint Nicholas lode)0.939 ✓

Total area Garnet lode - - - - - - - - - - 19.695 ✓  
Area in conflict with  
Sur.No.3056 Copper Head lode 4.861 ✓  
Sur.No.3056 Centennial lode 0.374 ✓  
Sur.No.363 Saint Nicholas lode 5.358 ✓

Sur.No.3056 Copper Head lode,  
(exclusive of its conflict  
with Sur.No.363, Saint Nicholas  
lode, .000+

Sur. No.3056 Centennial lode,  
(exclusive of its conflict  
with Sur.363, Saint Nicholas  
lode, .269

Total area Over The Top lode - - - - - - - - - 20.531 ✓

Total area Yellow Copper Lode - - - - - - - - - 19.695 ✓

Area in conflict with  
Sur.No.3056 Copper Head lode 0.045 ✓  
Sur.No.3056 Copper Head lode  
(exclusive of its conflict with  
Sur.No. 363 Saint Nicholas  
Lode) - - - - - 0.022 ✓  
Sur. No. 363 Saint Nicholas 0.023 ✓

Total area Valley lode - - - - - - - - - - 19.695 ✓

Area in conflict with  
Sur.No.3056 Centennial lode - 0.045 ✓  
Sur.No.363 Saint Nicholas lode 0.059 ✓

Total area Apex No.2 lode - - - - - - - - - -20.531 ✓

Total area Keeney lode - - - - - - - - - - 20.531 ✓

Total area Wilson lode - - - - - - - - - - 19.695 ✓

The survey of this claim is identical with  
the original locations, all corners of which were found  
where  
in place, except/shown in the foregoing field notes.

LOCATION.

This Survey is located in W $\frac{1}{2}$  Sec.20; SW $\frac{1}{4}$  SW $\frac{1}{4}$  Sec.  
17; S $\frac{1}{2}$  of S $\frac{1}{2}$  Sec.18 and NE $\frac{1}{4}$  Sec.19, all unsurveyed, T.11  
S.,R.16 E. in the Coronado National Forest.

## SURVEY NO. 3679

## EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of each of the locations embraced in said mining claim by the Claimant or its grantors, is not less than Five Hundred Dollars, and that said improvements consist of

APEX

No. 1 The discovery cut of the Apex lode, the mouth of which being the discovery point is on the center line 25 ft from center of line 1-2, 5 ft wide, 8 ft face, running N. 55° W. 15 ft to face.

Value \$100.00

An undivided 1/14 interest in improvement No. 2 Valley lode hereinafter described, credited to this lode.

Value \$2000.00

ALABAMA Lode.

No. 1. The discovery cut of the Alabama lode the mouth of which being the discovery point, is on the center line 50 ft from center of line 1-2, 5 ft wide, 8 ft face, running N. 60° W 15 ft to face.

Value \$100.00

An undivided 1/14 interest in improvement No. 2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.00

BORNITE Lode.

No. 1 The discovery cut of the Bornite lode, the mouth of which being the discovery point, is on the center line, 100 ft from the center of line 3-4, 5 ft wide, 8 ft face, running N: 75° W. 15 ft to face.

Value \$100.00

No. 2. A shaft the center of which brs. from Cor. No. 4 Bornite lode, S. 71° 45' W., 300 ft. 5 x 6 ft, 8 ft deep.

Value 480.00



SURVEY NO.3679

EXPENDITURE OF FIVE HUNDRED DOLLARS

BORNITE LODE Cont'd

An undivided 1/4 interest in improvement No.2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.

CONTACT Lode

No.1 The discovery cut of the Contact lode, the face of which being the discovery point, is on the center line 345 ft from the center of line 3-4, 5 ft wide 8 ft face running S 60° E 12 ft to mouth.

Value \$100.

No.2 A cut the mouth of which brs. from Cor.No.3 Contact lode, S 33° E. 325 ft. 5 ft wide 10 ft face running east 20 ft to face.

Value \$150.00

No.3 An inclined shaft, the center of which brs from Cor. No.4 Contact Lode, S 22° 40' W. 300 ft 5x6 ft 30 ft deep.

Value \$300.00

No.4 A tunnel, the mouth of which brs from Cor. No.2 Contact lode N 8° 45' E., 610 ft. 4x6 ft, running East 12 ft to face.

Value \$120.00

No.5 A cut the mouth of which brs from Cor.No.2 Contact lode N. 13° 30' E., 350 ft, 5 ft wide, 8 ft face running East 12 ft to face.

Value \$100.00

An undivided 1/14 interest in improvement No.2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.

## SURVEY NO. 3679

## EXPENDITURE OF FIVE HUNDRED DOLLARS, Cont'd.

CUPRITE LODE.

No.1 The discovery cut of the Cuprite lode, the mouth of which being the discovery point, is on the center line 12 ft from the center of line 1-2, 5 ft wide 8 ft face, running N 34° W. 12 ft to face.

Value \$100.00

An undivided 1/14 interest in improvement No. 2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.00

EPIDOTE LODE

No.1 The discovery cut of the Epidote lode, the face of which being the discovery point, is on the lode line, 50 ft from a point on line 1-2, 3570 ft from Cor. No.1, 5 ft wide, 10 ft face running S. 1° W. 12 ft to mouth.

Value \$100.00

An undivided 1/14 interest in improvement No.2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.00

EMBERSITE Lode

No.1 The discovery tunnel of the Embersite lode, the face of which being the discovery point is on the center line 300 ft from the center of line 1-2 4x6 ft running S 50° W. 75 ft to mouth.

Value \$750.00

An undivided 1/14 interest in improvement No.2 Valley lode, hereinafter described, credited to this lode

Value \$2000.00

SURVEY. NO. 3679  
EXPENDITURE OF FIVE HUNDRED DOLLARS, Cont'd  
GARNET LODE

No. 1 The discovery point of the Garnet lode is at the collar of an incline shaft on the center line 600 ft from the center of line 1-2; 4x6 ft 95 ft deep

Value \$950.00

An undivided 1/14 interest in improvement No. 2 Valley Lode, hereinafter described, credited to this lode.

Value \$2000.00

OVER THE TOP Lode

No.1 The discovery cut of the Over The Top lode the mouth of which being the discovery point is on the center line, 30 ft from the center of line 3-4, 5 ft wide, 8 ft face, running S 38° E 12 ft. to face.

Value \$100.00

An undivided 1/14 interest in improvement No.2 Valley Lode, hereinafter described, credited to this lode.

Value \$2000.00

YELLOW COPPER LODE

No.1 The discovery tunnel of the Yellow Copper lode the mouth of which being the discovery point is on the center line 180 ft. from the center of line 3-4, 5x6 ft running N.50° E 50 ft.

Value \$500.00

No.2 A tunnel the mouth of which brs from Cor.No.4 Yellow Copper lode, S 20° 30' E. 300 ft, 4x6 ft running North 45 ft.

Value \$450.00

No.3 A cut the mouth of which brs from Cor.No.3 Yellow Copper lode, N 79° E. 275 ft. 5 ft wide, 8 ft. face, running N.50° E 12 ft to face.

Value \$100.00

SUR. No. 3679

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

YELLOW COPPER LODE, Cont'd

No.4 A cut the mouth of which brs from Cor.No.2 Yellow Copper lode, N 71° W 380 ft, 5 ft wide 8 ft face running N.49° E 12 ft to face.

Value \$100.00

An undivided 1/14 interest in improvement No. 2 Valley lode, hereinafter described, credited to this lode.

Value \$2000.00

VALLEY LODE

No. 1 The discovery cut of the Valley lode the face of which being the discovery point, is on the center line 50 ft from the center of line 3-4, 5 ft wide, 8 ft face running South 12 ft to mouth.

Value \$100.00

No.2 A road, 14 ft wide by 8260 ft long, the west end of which brs from Cor.No.4 Valley lode, N.33°45' W. 435 ft, and extending in a north easterly direction to a point which brs from NW Cor.Sec. 21 T. 11 S. R.16 E., N 48°30'E 950 ft. and connecting with the end of Road from Daily Arizona Consolidated Copper Company, to Tucson, at a total cost of \$28,000.00

An undivided 1/14 interest is assigned to this claim.

Value \$2000.00

This road was constructed in good faith by the Claimant and for the manifest purpose of aiding in the conduct of mining operations for the 14 claims of this group, for transporting machinery and materials to and ore from the mine. Owing to the topography of the country it is impracticable to reach the other claims of the group by a road. This group of claims is inaccessible

SURVEY NO. 3679

EXPENDITURE OF FIVE THOUSAND DOLLARS Cont'd

VALLEY LODGE, Cont'd

from any other roads, and this road extends to no other mining properties, and is actually used as the only road to and from the group. During the year 1919 this road was extended to the summit of Mt Lemon, a distance of about five miles, by the U.S. Department of Agriculture and Pima County, jointly, for pleasure purposes only, and the above described road constitutes a portion of the location known as the Oracle-Apache Road, Section 1 from Station 0+00 to Station 77+60, and was improved at an additional cost of about \$10,000. No portion of this additional amount is accredited to any claim of the group.

This improvement is therefore a common improvement for the benefit of each claim of this group and a 1/14 undivided interest of the total value of this improvement (\$2,000) is properly accredited to each lode claim of the group.

APEX No.2 Lode

No.1. The discovery cut of the Apex No.2 lode, the mouth of which being the discovery point is on the center line 25 ft from the center of line 3-4, 5 ft wide, 8 ft face, running west 12 ft to face.

Value \$100.00

No.2 A cut, the mouth of which brs from Cor.No.2 Apex No.2 lode N.35°15'E. 990 ft, 5 ft wide, 10 ft face, running N. 35°E 18 ft to face; at face is a tunnel 4x6 ft running N. 35°E. 12 ft to face.

Value of cut and tunnel \$225.00

No.3 A cut, the mouth of which brs from Cor.No.2 Apex No.2 lode N.37°E. 1000 ft. <sup>5ft</sup> wide 8 ft face running N. 35°E.15 ft. to face.

Value \$120.00

## SURVEY No. 3679

## EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd

APEX No.2 Lode Cont'd.

An undivided 1/14 interest in improvement No.2 Valley Lode, heretofore described, credited to this lode.

Value \$2000.00

KEENEY LODE

No.1. The discovery cut of the Keeney lode, the mouth of which being the discovery point is on the center line 25 ft from the center of line 1-2, 5 ft wide, 8 ft face running North 12 ft. to face.

Value \$100.00

An undivided 1/14 interest in improvement No.2 Valley lode, heretofore described, credited to this lode.

Value \$2000.00

WILSON LODE

No.1. The discovery cut of the Wilson lode, the mouth of which being the discovery point, is on the center line 50 ft from the center of line 3-4, 5 ft wide, 8 ft face running south 12 ft to face.

Value \$100.00

No.2 A cut the mouth of which brs from Cor, No. 4 Wilson lode, N.19° W 325 ft., 5 ft wide, 8 ft face, running South 20 W. 15 ft to face.

Value \$120.00

An undivided 1/14 interest in improvement No.2 Valley lode, heretofore described, credited to this lode.

Value \$2000.00

OTHER IMPROVEMENTS.

A frame, iron clad blacksmith shop, the northwest Cor. of which brs from Cor.No.4 Yellow Copper lode, S.17° 45' E., 320 ft., 12 x 12 ft, course of sides N. 50 E.

## SURVEY NO. 3679

## EXPENDITURE OF FIVE HUNDRED DOLLARS, Cont'd

OTHER IMPROVEMENTS Cont'd

A frame cottage, the NE Cor. of which brs from Cor.No.3 Wilson lode, S 88° 15' W, 720 ft. 10 x 18 ft. Course of long sides N 55° W.

A frame cottage, the SE Cor. of which brs from Cor No.4 Valley lode, N. 74° 15' W, 250 ft. 10 x 18 ft. Course of long sides West.

A frame cottage the SE Cor. of which brs from Cor. No.4 Valley lode, N. 68° 45' W., 870 ft. 10 x 18 ft. Course of long sides S 87° W.

A frame cottage, the SE Cor. of which brs from Cor. No.4 Valley lode, N. 66° 15' W. 625 ft., 10 x 18 ft Course of long sides S 87° W.

A frame store and office building the SE Cor. of which brs from Cor.No.4 Valley lode N. 50° 45' W. 460 ft 30x40 ft. Course of long sides S 79° 30' W.

A frame boiler and engine house the SE Cor. of which brs from Cor.No. 4 Valley lode, N 38° W. 400 ft, 34x40 ft. Course of long sides S 79° 30' W.

A frame garage the SE Cor. of which brs from Cor. No.4 Valley lode, N. 20° 45' W. 365 ft, 10x16 ft. Course of long sides North. All of which belong to Claimant.

INSTRUMENT

This survey was made with a Gurley Mountain Transit. The courses were deflected from the true Meridian, as determined by direct solar observations. The distances were measured with a 500 ft steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground and the corners established by running around the claims.

## SURVEY NO. 3679

## REPORT, Cont'd

All the lines were run directly upon the ground.

The NW Cor. of Sec. 21. T.11 S.R., 16 E., consists of a porphyry stone, 10x10x6 ins. above ground, chiseled with four notches on the E. face, and three notches on the south face. Near it are two witness trees, blazed and scribed.

The  $W\frac{1}{4}$  Cor. Sec. 21. T.11 S.R. 16 E., consists of a granite rock 8x10x12 ins. above ground, chiseled with  $\frac{1}{4}$  on W. face.

The NW Cor. Sec. 29, T.11 S.R.16 E., consists of a quartzite rock 8x10x10 ins. above ground, chiseled with five notches on the East face and <sup>one</sup> two notches on the South face.

These are the nearest corners of the public survey that can be found and identified.

A diligent search was made for the  $N\frac{1}{4}$  Cor. Sec. 29, and the  $N\frac{1}{4}$  Cor. Sec. 30 but I failed to find same.

Survey No.3056, Wedge, Giant, Centennial and Copper Head lodes; all of the corners are pine posts, properly set and scribed with the number of the corner and the survey.

Line 3-4 Sur. No.3056 Wedge lode, fails to furnish the distance as approved (1261.5 ft).

Lines 1-2, 2-3 and 3-4, Sur.No.3056, Copper Head lode, fail to furnish the courses and distances, as approved.( N.88°46'W., 1083.3 ft; N.10°21'W.,458.6 ft; and N.83°33'E., 1063.7' ft respectively).

Line 3-4 Sur. No.3056, Centennial lode fails to furnish the course and distance as approved (S.88°46'E. 900 ft) and same are properly given in these field notes.

Sur.No. 3499, Calumet, Katherine, Wedge No.2 and Wedge No.3 lodes; All of the corners are stone, properly set and chiseled with the number of the corner and the Survey. I find all courses and distances to be correct as approved.



## SURVEY NO. 3679

## REPORT Cont'd

I am unable to identify any of the original corners of Sur No.

363 Saint Nicholas lode except cor No.5 which is identical with

Cor. No.3 Sur. No.3056 Copper Head lode, and therefore compute the inter-  
sections using the following bds, which have been computed from the record which  
does not close. (See below\*)

As my assistant lives in the vicinity of  
this group of claims, and as there is no Notary Public  
within a long distance, a great delay, expense and in-  
convenience would result from strict compliance with  
the rule. I therefore proceeded to administer the  
necessary oath.

ADJOINING CLAIMS.

On the North by Survey No. 3499, Wedge No.3,  
Wedge No.2, Katherine and Calumet lodes.

On the East by Survey No. 3056, Wedge, Giant,  
Copper Head and Centennial lodes.

There are no other adjoining or conflicting  
claims known.

\*S. 84° 31' W. 690.59; S. 9° 32' E. 576; N. 72° 55' E. 342.26;  
N. 75° 54' E. 620.43; N. 9° 28' W. 413.73

SURVEY NO. 3679

SOLAR OBSERVATIONS.

Direct Solar Observation taken Monday June 28th 1920.

Sun bisected,

Lat  $32^{\circ} 28'$ Lon.  $110^{\circ} 45'$ 

Difference in time 4 h. 30 m.

Apparent declination  $23^{\circ} 17' 25.7''$  ✓Dec'l =  $23^{\circ} 16' 54.7''$  ✓

$$\sin \frac{1}{2}A = \sqrt{\frac{\sin(S-L) \sin(S-H)}{\cos L \cos H}}$$

$$P = 90 - \text{Dec'l} = 66^{\circ} 43' 06'' \checkmark$$

L =  $32^{\circ} 28'$ H =  $50^{\circ} 36'$  Vertical Angle diminished by refraction.P =  $66^{\circ} 43' 06''$ 2)  $149^{\circ} 47' 06''$ S =  $74^{\circ} 53' 32''$ S - L =  $42^{\circ} 25' 32''$  ✓S - H =  $24^{\circ} 17' 32''$  ✓

9.8289930 ✓

9.6142451 ✓

0.0738099 ✓

0.1974106 ✓

2)  $19.7144586$  $9.8572293 \checkmark = 46^{\circ} 02' 30'' \checkmark = \frac{1}{2}A$  $92^{\circ} 04' \checkmark = A$ 

180.

 $92^{\circ} 04'$ S.  $87^{\circ} 56'$  ✓ E = Course of sun $5^{\circ} 40'$  = Ang. to rightS.  $82^{\circ} 16'$  ✓ E = Course of line

Set up at Cor. No.2 Bornite. FS Cor. No.1 Bornite.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of

Stratton Consolidated Copper Company

known as the APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET, OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO 2, KEENEY, and WILSON Lodes.

and showing the respective capacities in which they acted.

Ramon Leon, Chainman.

Chainman.

Aceman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

~~XXXX~~ I. Ramon Leon

~~XXXX~~, do solemnly swear that <sup>I</sup>~~we~~ assisted

T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Stratton Consolidated Copper Company

known as the APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET, OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO 2, KEENEY and WILSON Lodes.

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

tions furnished by the United States Surveyor-General for Arizona

Ramon Leon, Chainman.

Chainman.

Aceman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 2nd

day of July, 1920

T.N. Stevens

United States Mineral Surveyor

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 20, 1920, 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 Stratton Consolidated Copper Company, known as the APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET, OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO 2, KEENEY and WILSON Lodes, situate in Old Hat Pima Mining District, Arizona County, in Section 17-18-19-20 Unsur., Township No. 11 S., Range No. 16 E. G. & S.R. M., and designated as Survey No. 3679, 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.

T.N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. STEVENS
U. S. Mineral Surveyor, before me Isabel M. Lauder, a Notary Public
in and for Pima County, Arizona, this 4th
day of September, 19 20

My Com. Expires June 4 1924.

Isabel M. Lauder

Notary Public, Pima County, Arizona

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

## Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

February 18, 1921

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 STRATTON CONSOLIDATED COPPER CO., known as the APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET, OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO. 2, KEENEY, and WILSON Lodes, situate in OLD HAT

Mining District, PIMA County, ARIZONA,

in Sections 17-18 Unsur., 19-20, Township No. 11 S., Range No. 16 E., and

designated as Survey No. 3679, 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 claims by claimant or its grantors, and that said improvements consist of 18 cuts, 5 tunnels, 3 shafts and 8260 ft. of road, total value \$33,165.

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.

February 18, 1921

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 STRATTON CONSOLIDATED COPPER CO., known as the APEX, ALABAMA, BORNITE, CONTACT, CUPRITE, EPIDOTE, EMBERSITE, GARNET, OVER THE TOP, YELLOW COPPER, VALLEY, APEX NO. 2, KEENEY and WILSON LODES,

situate in OLD HAT mining district, PIMA County, ARIZONA.

Unsur.

in Sections 17-18-19-20, Township No. 11 S., Range No. 16 E.,

G. & S. R. B. & M, designated as Survey No. 3679

executed by T. N. Stevens, U. S. Mineral

Surveyor, June 20 - July 1, 1920, under my instructions dated

May 20, 1920, 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. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and made

a part of the transcript of the field notes.

[Handwritten signature]

U. S. Surveyor General for Arizona.