

AUG 13 1911
OCT 19 1911

4-683.

MINERAL SURVEY No. 2944

LOT No. _____

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

TUCSON-GLOBE COPPER COMPANY

KNOWN AS THE

ANNEX, HARDCRABBLE, SYCAMORE, APEX, CRACKER JACK, OAK SPRING,
WESTBROOK AJAX

GLOBE Mining District,

GILA County, ARIZONA

Sections 20, 21, 28, 29, Township 1 S., Range 14 E.

Crock National Forest
Surveyed under instructions dated July 15, 1911

by Edgar C. Dietrich
U. S. Mineral Surveyor.

Claim located See Location Notices, 19

Survey commenced July 27, 19 11

Survey completed July 31, 19 11

6-822

Address:

Philip Contzen,
Attorney,
Tucson, Arizona.
P.O.Box 435.

SURVEY NO. 2944
Annex

Beginning at cor.No.1, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high, set a porphyry stone, 24x8x8 ins., 12 ins. in the ground. I chisel same, A-1-2944, and raise a mound of stone along side; whence
¼ cor. bet. secs. 21 and 28, T.1 S., R.14 E., G. & S.R.B. & M., brs. S. 26° 02' E., 1146 ft. dist. Watershed Peak, brs. N. 55° 58' W. No other bearings available..

Thence N. 66° 19' E.
Var. 14° E.

- 70. Gulch, course NW
- 675. To side line monument, identical with the location, which is a post, 4x4 ins. 3 ft. above ground, set in mound of stone.
- 1185. Gulch, course NE.
- 1341.3 To cor.No.2, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high. Set a porphyry stone, 24x8x10 ins., 12 ins. in the ground I chisel same, A-2-2944, and raise a mound of stone alongside. No bearings available.

Thence N. 55° 00' W.
Var. 14° E.

- 300. To E. End center, ment, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
- 330. Gulch, course NW
- 600 To cor.No.3, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high. Set a porphyry stone, 24x6x8 ins., 12 ins. in the ground I chisel same A-3-2944 on S. face, and raise a mound of stone alongside. No bearings available.

Thence S. 61° 03' W.
Var. 14° E.

- 675. Side line monument, which is a mound of stone, 3 ft. base, 2½ ft. high.
- 1211.5 Gulch, course NW.
- 1275.4 To cor.No.4, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high. Set a porphyry stone, 24x6x6 ins., 12 ins. in the ground. I chisel same On E. face A-4-2944. No bearings available.

Thence S. 55° 00' E.
Var. 14° E.

- 243. To West End Center monument, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
- 463. To cor.No.1, the place of beginning.

CRACKER JACK

Beginning at Cor.No.1, identical with the location, and with cor.No.3 of the Little Jim Lode, Survey No. 2848,

which is a redwood post, 4x4 ins., set firmly in the ground, and surrounded by mound of stone.
 I scribe same C J-1-2944 on E. face; whence
 1/4 sec. cor. bet. secs. 20 and 21, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. N. 52° 51' W., 1650.44 ft. dist.
 An oak, 5 ins. diam., blazed and scribed 1-3-2944 B T
 brs. S. 86° E., 23.5 ft. dist.
 A cross (X) chiseled on a porphyry stone, 3x2 ft., 6 ins. above ground, and also chiseled B R-1-3-2944, brs. N. 7° W., 32.6 ft. dist.

Thence N. 58° 53' E.
 Var. 14° E.

- 23. Gulch, course NW.
- 209. Gulch, course NW.
- 230.18 Intersect line 2-3, Little Mans Lode, Survey No. 2219, at S. 32° 38' W.
- 660. Side line monument, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
- 1253.06 To cor. No. 2, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
 Set a porphyry stone, 24x6x8 ins., 12 ins. in the ground.
 I chisel same, C J-2-2944 on S. face, and raise a mound of stone alongside; whence
 An oak, 6 ins. diam., brs. S. 14° E., 87.5 ft. dist.
 An oak, 5 ins. diam., brs. N. 20° 45' E., 104 ft. dist.
 Both blazed and scribed, 2-3-2944 B T

Thence S. 55° 00' E.
 Var. 14° E.

- 95. Gulch, course Northerly.
- 390. To E. end center, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
- 580. To cor. No. 3, identical with the location, and with cor. No. 3 of the Annex Lode of this survey, heretofore desc.
 I chisel on stone C J-3-2944 on W. face
 Thence S. 61° 03' W.
 Var. 14° E.

- 675. Side Line monument, identical with the location, and with side line monument of the Annex Lode of this Survey, heretofore described.
- 1275.4 To cor. No. 4, identical with the location, and with cor. No. 4 of the Annex Lode of this Survey, heretofore described.
 I chisel stone on N. face C J-4-2944

Thence N. 55° 00' W.
 Var. 14° E.

- 259. To W. End Center monument, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
- 425.12 Intersect line 2-3 of the Little Mans Lode, Survey No. 2219; from which
 Cor. No. 2 of the Little Mans Lode brs. N. 32° 38' E., ~~32.47~~ ^{1142.52} ft. dist.
 Point of intersection of line 2-3 Little Mans Lode, Survey No. 2219 and line 1-2 of the Cracker Jack Lode, brs. N. 32° 38' E., 210.67 ft. dist.
- 527. To cor. No. 1, the place of beginning.

HARDSCRABBLE

Beginning at cor. No. 1, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
 Set a pine post 4 ins. sq., 4 ft. long, 2 ft. in ground, and surround same with a mound of stone.
 I scribe same H-1-2944 on E. face; whence
 1/4 sec. cor. bet. secs. 20 and 21, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. N. 61° 22' W., 1507.48 ft. dist.

An oak, 8 ins. diam., brs. N. 55° 40' E., 25. ft. dist.
An oak, 6 ins. diam., brs. S. 65° 38' E., 39.5 ft. dist.
Both blazed and scribed 1-2944 B T

Thence N. 47° 00' E.
Var. 14° E..

190 Gulch, course SW.
506. Side Line monument, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
933.16 Intersect. line 1-2 of the Little Mans and Summit Lodes, Survey No. 2219; from which
Cor. No. 2, brs. S. 53° 54' E., 11.83 ft. dist.
Cor. No. 1, brs. N. 53° 54' W., 475.27 ft. dist.

972.63 To cor. No. 2, identical with the location, and with the SW cor. of the Sundown Lode. (unsurveyed), which is a redwood post, 4x4 ins., 2 ft. above ground in mound of stone, and on line 2-3 Summit lode, Survey No. 2219
I scribe same, H-2-2944 on S. face; whence
Cors. No. 2 of the Little Mans and Summit Lodes, Survey No. 2219, brs. S. 29° 40' W., 39. ft. dist.
No other bearings available.

Thence S. 50° 40' E.
Var. 14° E.

220. To East End Center monument, identical with the location, which is a pine post, 4 ins. sq., 18 ins. above ground
257.5 To SE cor. of Sundown Lode, unsurveyed.

457.5 To cor. No. 3, identical with the location, and with Cor. No. 2 of the Cracker Jack Lode of this survey, heretofore described
I chisel stone. H-3-2944 on W. face

Thence S. 47° 00' W.
Var. 14° E.

472. Side Line Monument, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high

935. Gulch, course W.
972.63 To cor. No. 4, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
Set a pine post, 4 ins. sq., 5 ft. long, set 2 ft. in the ground, and surround same with mound of stone.
I scribe same H-4-2944 on N. face.
No bearings available.

Thence N. 50° 40' W.
Var. 14° E.

40.5 Gulch, course NW.
212.5 To W. End Center monument, which is a mound of stone, 3 ft. base, 2½ ft. high. At which point line 1-2 Cracker Jack Lode crosses said monument; from which
Cor. No. 1 brs. S. 58° 53' W., 230.18 ft. dist..
Cor. No. 2 brs. N. 58° 53' E., 1022.88 ft. dist..
At this point it also crosses line 2-3 of the Little Mans Lode, Survey No. 2219; from which
Cor. No. 3, brs. S. 32° 38' W., 243.14 ft. dist.
Cor. No. 2, brs. N. 32° 38' W., 931.86 ft. dist.

400. Gulch, course SW.
457.5 To cor. No. 1, the place of beginning.

SYCAMORE

Beginning at cor. No. 1, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
Set a pine post 4 ins. sq., 5 ft. long, 2 ft. in the ground, scribed S-1-2944 on N. face, and surround same with a mound of stone; whence
Cor. of secs. 20, 21, 28 and 29, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. S. 47° 51' W., 927.27 ft. dist.
No other bearings available.

Thence N. 57° 32' E.
Var. 14° E.

- 60. Gulch, course NW.
- 710. Side Line Monument, identical with the location, which is a mound of stone.
- 1259.2 To cor. No. 2, identical with the location, and with cors. No. 4 of the Annex and Cracker Jack Lodes of this Survey, here- I chisel stone S-2-2944 on W. face. (tofore described
Thence N. 55° 00' W.
Var. 14° E.
- 259. To E. End center Monument, identical with the location, and with the West Center Monument of the Cracker Jack Lode of this Survey, heretofore described
- 425.12 Intersect line 2-3 of the Little Mans Lode, Survey No. 2219; from which
Cor. No. 3 brs. S. 32° 38' W., 32.47 ft. dist.
Cor. No. 2 brs. N. 32° 38' E., 1142.53 ft. dist.
- 527. To Cor. No. 3, identical with the location, and identical with Cor. No. 3 of the Little Jim Lode, Survey No. 2848, and Cor. No. 1 of the Cracker Jack Lode of this Survey. I scribe post S-3-2944 on S. face.
Thence S. 56° 49' W.
Var. 14° E.
- 32.57 Intersect line 3-4 of the Little Mans Lode, Survey No. 2219; from which
Cor. No. 3, brs. S. 53° 54' E., 115.34 ft. dist.
Cor. No. 4, brs. N. 53° 54' W., 484.66 ft. dist.
- 620. Side Line Monument, identical with the location, which is a mound of stone 3 ft. base 2½ ft. high.
- 1203. Gulch, course NW.
- 1252.8 To cor. No. 4, identical with the location, and with cor. No. 4 of the Little Jim Lode, Survey No. 2848, which is an oak stump, 4 ins. sq., 3 ft. above ground, surrounded with a mound of stone.
I scribe same S-4-2944 on E. face; whence
An oak, 8 ins. diam., brs. N. 51° 00' W., 18.5 ft. dist.
A cedar, 24 ins. diam., brs. S. 50° E., 23. ft. dist.
Both blazed and scribed 3-4-2944 B T
Thence S. 55° 00' E.
Var. 14° E.
- 272. To West End Center Monument, identical with the location, which is a mound of stone 4 ft. base, 3½ ft. high.
- 430. Gulch, course N.
- 510. To cor. No. 1, the place of beginning.

APEX LODE.

- Beginning at Cor. No. 1, identical with the locatin, which is a mound of stone, 3 ft. base, 2½ ft. high.
Set a pine post 4 ins. sq., 5 ft. long, 2 ft. in the ground, and surround the same with a mound of stone.
I scribe post A-1-2944 on N. face; whence
cor. of secs. 20, 21, 28, 29, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. S. 73° 18' W., 1152.1 ft. dist.
No other bearings available.
Thence N. 55° 37' E.
Var. 14° E.
- 195. Gulch, course NW.
- 642. Side Line Monument, which is identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.
- 1242.7 To cor. No. 2, identical with the location, and with Cor. No. 1, of the Annex Lode of this Survey, heretofore described. I chisel stone A-2-2944 on W. face.

Thence N. 55° 00' W.
Var. 14° E.

220. To East End Center Monument, identical with the location, and with the West End Center Monument of the Annex Lode of this Survey, heretofore described.

463. To cor. No. 3, identical with the location, and identical with Cor. No. 4 of the Annex Lode, and with Cor. No. 4 of the Cracker Jack Lode and with Cor. No. 2 of the Sycamore Lodes of this Survey, heretofore described. I chisel stone A-3-2944 on S. face.

Thence S. 57° 32' W.
Var. 14° E.

549.2 Side Line Monument, identical with the location and with the Side Line Monument of the Sycamore Lode of this Survey, heretofore described

1259.2 To cor. No. 4, identical with the location, and with Cor. No. 1 of the Sycamore Lode of this Survey, heretofore described. I scribe post A-4-2944 on E. face.

Thence S. 55° 00' E.
Var. 14° E.

268. To West End Center Monument, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high.

508. To cor. No. 1, the place of beginning.

WESTBROOK AJAX

Beginning at Cor. No. 1, identical with the location, which is a mound of stone, 3 ft. base, 2½ ft. high. Set a porphyry stone, 24x6x6 ins., 12 ins. in the ground. I chisel same W-A-1-2944 on N. face, and raise a mound of stone alongside; from which Cor. of Secs. 20, 21, 28 and 29, T. 1 S., R. 14 E., G. & S. R. P. & M., brs. N. 9° 18' W., 205.3 ft. dist. No other bearings available.

Thence N. 63° 30' E.
Var. 14° E.

455.39 Intersect Sec. line bet. secs. 21 and 28; from which Cor. to secs. 20, 21, 28 and 29, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. S. 89° 56' W., 440.39 ft. dist. ¼ sec. cor., bet. secs. 21 and 28, T. 1 S., R. 14 E., G. & S. R. B. & M., brs. N. 89° 56' E., 2191.61 ft. dist.

1196. To cor. No. 2, identical with the location, and identical with Cor. No. 1 of the Apex Lode of this Survey, heretofore desc. I scribe post W-A-2-2944 on W. face.

Thence N. 55° 00' W.
Var. 14° E.

240. To East End Center Monument, identical with the location, and with the West End Center Monument of the Apex Lode of this Survey, heretofore described.

508. To cor. No. 3, identical with the location, and with Cor. No. 4 of the Apex Lode of this Survey and Cor. No. 1 of the Sycamore Lode of this Survey, heretofore described. I scribe post W-A-3-2944 on S. face.

Thence S. 63° 30' W.
Var. 14° E.

65. Gulch, course N.

- 767.64 Intersect sec.line bet.secs.20 and 21; from which cor/of secs.20,21,28 and 29,T.1 S.,R.14 E.,G.& S.R. B.& M., brs.S.0° 05' W., 279.83 ft. dist. 1/4 sec.cor.bet. secs.20 and 21 brs. N.0° 05' E., 2315.77 ft. dist.
 - 1196. To cor.No.4, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high. Set a porphyry stone, 24x6x8 ins., 12 ins. in the ground, I chisel same W-A-4- 2944 on E. face, and raise a mound of stone alongside; whence An oak, 5 ins. diam., blazed and scribed 1-4-2944 B T brs. N. 9° E., 20.5 ft. dist. Round Hill, brs. N. 71° W.
- Thence S. 55° 00' E.
Var. 14° E.
- 154.64 Intersect sec.line bet.secs.20 and 29; from which cor.of secs.20,21,28 and 29,T.1 S.,R.14 E.,G.& S.R. B.& M., brs. E. 256.27 ft. dist. 1/4 sec.cor.bet.secs.20 and 29 brs.W. 2374.73 ft. dist.
 - 268. To West End Center Monument, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
 - 467.8 Intersect sec.line bet.secs.28 and 29; from which cor.of secs.20,21,28 and 29,T.1 S.,R.14 E.,G.& S.R. B.& M., brs.N0° 05' E., 179.62 ft. dist. 1/4 sec.cor.bet.secs.28 and 29, brs.S.0°05'W.2464.38 ft. dist.
 - 508. To cor. No. 1, the place of beginning.

OAK SPRING

Beginning at cor.No.1, identical with the location, and with cor.No.4 of the Westbrook Ajax lode of this Survey, heretofore described
I chisel stone O-S-1-2944; whence cor.of secs.20,21,28 and 29,T.1 S.,R.14 E.,G.& S.R. B.& M., brs.S.76°57' E., 393.08 ft. dist.

Thence N. 63° 30' E.
Var. 14° E.

- 428.36 Intersect sec.line bet.secs.20 and 21; from which Cor.of secs.20,21,28 and 29,T.1 S.,R.14 E.,G & S.R. B & M., brs. S. 0° 05' W., 279.83 ft. dist. 1/4 sec.cor.bet.secs.20 and 21, brs.N.0°05'E.,2315.77 ft. dist.
 - 602. Side Line Monument, identical with the location, which is a mound of stone, 3 ft. base, 2 1/2 ft. high.
 - 1196. To cor.No.2, identical with the location and with Cor. No.3 of the Westbrook Ajax lode, Cor.No.4 of the Apex lode and Cor.No.1 of the Sycamore lode of this Survey. I scribe post O S-2-2944 on W. face.
- Thence N. 55° 00' W.
Var. 14° E.
- 80. Gulch, course N.
 - 238. To East End Center Monument, identical with the location, and with the West End Center Monument of the Sycamore lode of this Survey, heretofore described.
 - 510. To Cor.No.3, identical with the location, and with Cor.No. 4 of the Little Jim Lode, Survey No.2848, and identical with Cor.No.4 of the Syacamore lode of this Survey, heretofore I scribe post O S-3-2944 on S. face. (described.)

- Feet
- Thence S. 63° 30' W.
Var. 14° E.
- 300.01 Intersect line bet. secs. 20 and 21; from which
Cor. of secs. 20, 21, 28 and 29, T. 1 S., R. 14 E. G. & S. R. B. & M.
brs. S. 0° 05' W., 781.01 ft. dist.
¼ sec. cor. bet. secs. 20 and 21, brs. N. 0° 05' E., 1814.59
ft. dist.
580. Side Line Monument, identical with the location, which is
a mound of stone, 3 ft. base, 2½ ft. high.
1196. To Cor. No. 4, identical with the location, which is a mound
of stone, 3 ft. base, 2½ ft. high.
Set a pine post, 4x6 ins., 5 ft. long, 2 ft. in the ground,
surrounded with a mound of stone.
I scribe same O S-4-2944 on E. face; whence
An oak, 4 ins. diam., brs. N. 34° 15' W., 26 ft. dist.
An oak, 4 ins. diam., brs. S. 27° 00' E., 32 ft. dist.
Both blazed and scribed 4-2944 B T
- Thence S. 55° 00' E.
Var. 14° E.
55. Gulch, course N. 65° W.
106. Same gulch, course N. 40° W.
272. West End Center Monument, identical with the location,
which is a mound of stone, 3 ft. base, 2½ ft. high.
510. To cor. No. 1, the place of beginning.

AREA.

Annex	Lode, -----	13.981	Acres
Cracker Jack	" -----	14.559	"
Cracker Jack Lode in con-			
flict with Little Mans Lode,			
Survey No. 2219, -----	0.246	Acres	
Hardscrabble Lode, -----	10.124		"
Hardscrabble Lode in con-			
flict with Little Mans			
Lode, Survey No. 2219, -----	2.727		"
Hardscrabble Lode in con-			
flict with Cracker Jack			
Lode, -----	2.351		"
Hardscrabble Lode in con-			
flict with Summit Lode,			
Survey No. 2219, -----	0.005		"
Sycamore Lode, -----	13.844		"
Sycamore Lode in conflict			
with Little Mans Lode, Sur-			
vey No. 2219, -----	0.079		"
Apex Lode, -----	12.963		"
Westbrook Ajax Lode, -----	12.258		"
Oak Spring Lode, -----	12.306		"
	90.035		"

LOCATION.

This claim is located in Sections 20, 21, 28 and 29,
Township 1 South, Range 14 East, Gila and Salt River
Base and Meridian, and also within the Crook National
Forest ~~xxxxxxx~~ in the Globe Mining District, Gila
County, Arizona.

ADJOINING CLAIMS.

The Hardscrabble lode is bounded on the north by the Little Mans lode, ^{and Summit} Survey No. 2219, and on the east by the Sundown lode, unsurveyed, (Gibson Copper Co. claimant); the Sycamore lode is bounded on the north by the Little Jim lode, Survey No. 2848, (Gibson Copper Co. claimant) Claims adjoining on the east, south and west, names of claims and owners unknown.

PRESUMED COURSE OF VEIN.

The presumed course of vein on the Annex lode is from the West End Center to the East End Center, N.63°18'E., 1301.5 ft.

The presumed course of vein of the Cracker Jack lode is from the West End Center to the East End Center, N.60°12'E., 1266.3 ft.

The presumed course of vein of the Hardscrabble lode is from the West End Center to the East End Center, N.45°22'E., 969 ft.

The presumed course of vein of the Sycamore lode is from the West End Center to the East End Center, N.56°39'E., 1251.3 ft. NOTE: This course has been determined from the outcrop, which is visible along the presumed course.

The presumed course of vein of the Apex lode is from the West End Center to the East End Center, N.56°28'E., 1249.9 ft.

The presumed course of vein of the Westbrook Ajax lode is from the West End Center to the East End Center, N.63°30'E., 1196 ft.

The presumed course of vein of the Oak Spring lode is from the West End Center to the East End Center, N.63°30'E., 1196 ft.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I hereby certify that the value of the labor and improvements on the lodes embraced in Survey No. 2944 by the claimant, or its grantors, is not less than Five Hundred Dollars for the benefit of each lode, and that improvements consist of the following.

ANNEX LODE.

From West Center:

No.1. Discovery shaft, 4x6x10 ft., hrs. N.63°18'E., 70 ft. dist. Value \$ 100.00

NOTE: An undivided 1/7th interest in improvement No.3 on the Sycamore Lode is credited to this claim Value \$ 500.00

CRACKER JACK LODE.

From West Center:

No.1. Discovery cut, 4x6x10 ft., hrs. N.60°12'E., 50 ft. Value \$ 100.00

NOTE: An undivided one-seventh interest in improvement No.3 on the Sycamore lode is credited to this claim Value \$ 500.00

HARDSCRABBLE

From West Center:

- No.1. Discovery shaft, 4x6x10 ft., brs. N.45°22'E.,
480 ft. Value \$ 100.00
- No.2. Cut, 4x6x10 ft. long, brs. N.42°10'E., 426 ft.
Value \$ 100.00
- No.3. Tunnel, 4x6x100 ft. long, course NE, brs. N.39°15'E.,
422 ft. Value \$1000.00
- No.4. Shaft, 6x6x30 ft. deep, brs. N.49°15'E., 512 ft.
Value \$ 300.00
- No.5. Tunnel, 4x6x100 ft. long, course NE, brs. N.55°45'E.,
600 ft. Value \$1000.00

From Cor. No. 2:

- No.6. Cut, 4x6x10 ft. long, brs. S.6°E., 153 ft.
Value \$ 100.00

NOTE: An undivided 1/7th interest in improvement No.3
on the Sycamore lode is credited to this claim.

Value \$ 500.00

SYCAMORE

From West Center:

- No.1. Discovery cut, 4x6x10 ft. long, brs. N.37°34'E.,
55 ft. Value \$ 100.00

From Cor. No.3:

- No.2. Tunnel, 4x6x54 ft. long, course S.7°E., brs. S.55°E.,
146 ft. Value \$ 600.00
- No.3. Tunnel, 4x6x300 ft. long, course S.40°E., bears
S.56°49'W., 180 ft. Value \$3500.00

NOTE: This tunnel has been driven so as to cut the
veins approximately at right angles, and also to sink
shafts and winzes and extend drifts and cross-cuts at
different levels along the veins, and thereby develop
the ore bodies in a more advantageous and economical
manner, and \$500.00 worth of work in this tunnel, (an
undivided one-seventh interest), has been credited to
each lode embraced in Survey No.2944.

The claims embraced in this Survey are situated along
the N. slope of a high ridge, extending easterly and west-
erly, and the above tunnel has been driven at a central
point into said ridge so as to divide the workings to be
initiated from same, thereby facilitating the development
of the ore bodies within the above claims.

APEX

From West Center:

- No.1. Discovery cut, 4x6x10 ft. long, brs. N.56°28'E.,
300 ft. Value \$ 100.00

NOTE: An undivided one-seventh interest in improvement
No.3 on the Sycamore lode is credited to this claim.

Value \$ 500.00

WESTBROOK AJAX

From East Center:

- No.1. Discovery shaft, 4x6x10 ft. deep, brs. S.63°30'W.,
365 ft. Value \$ 100.00

NOTE: An undivided one-seventh interest in improvement
No.3 on the Sycamore lode is credited to this claim.

Value \$ 500.00

OAK SPRING

From East Center:

- No.1. Discovery cut, 4x6x10 ft., brs. S.63°30'W., 3 ft.
Value \$ 100.00

NOTE: An undivided one-seventh interest in improvement
No.3 on the Sycamore lode is credited to this claim.

Value \$ 500.00

INSTRUMENT.

This Survey was made with a Young & Sons Light Mountain Transit, with a Smith Solar attachment. The courses were deflected from the true meridian and checked with the lines of Surveys Nos. 2219 and 2848, and which agreed within 01'

The distances were measured with a one-hundred foot steel tape.

Edgar C. Dietrich

U. S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich

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 _____

Tucson-Globe Copper Company

known as the Annex, Hardscrabble, Sycamore, Apex, Cracker Jack, Oak Spring, Westbrook Ajax

and showing the respective capacities in which they acted.

Budd Dozier, Chainman.

Arthur Pogue, Chainman.

Budd Dozier, Axman.

Arthur Pogue, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Budd Dozier

and Arthur Pogue, do solemnly swear that we assisted Edgar C.

Dietrich, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Tucson-Globe Copper Company,

Annex, Hardscrabble, Sycamore, Apex, Cracker Jack, Oak Spring,
known as the Westbrook Ajax

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 instructions furnished by the United States Surveyor-General for Arizona

Budd Dozier, Chainman.

Arthur Pogue, Chainman.

Budd Dozier, Axman.

Arthur Pogue, Flagman.

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

day of August, 1911, 19

H. G. Power

Notary Public

My commission expires
May 16th, 1912.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edgar C. Dietrich, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 15th, 1911, 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 Tucson-Globe Copper Company

, known as the Annex, Hardscrabble, Sycamore, Apex, Cracker Jack, Oak Spring, Westbrook Ajax, situate in Globe Mining District,

Gila County, Arizona, in Sections 20, 21, 28, 29, Township No. 1 S., Range No. 14 E., and designated as Survey No. 2944

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.

Edgar C. Dietrich
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edgar C. Dietrich U. S. Mineral Surveyor, before me W.G. Power, a Notary Public in and for Pima County, Arizona, this Fifth day of August, 1911, 190

W G Power

Notary Public.

My commission expires May 16th, 1912.

JUL 15 1911

LOCATION NOTICE.

NOTICE IS HEREBY GIVEN, that the HARDSCRABBLE Mining Claim, containing mineral-bearing quartz, earth or rock in place, located by W.F.Westbrook and R.J.Williams citizen of the United States on this 15th day March 1901, has been located for Mining purposes. Said claim is 1,500 feet in length, and we claim 300 feet on each side of the center of discovery shaft, for full length of claim. The general course of this lode, deposit or premises is North East and South West.

This claim is situated in Mineral Creek Mining District, Gila County, Territory of Arizona, about 16 miles in a Southwesterly direction from the town of Globe and lies East and joins the Little Jim Mine in East End.

This claim is bounded and marked as follows, to-wit: Beginning at the Northeasterly center end post or monument, being 1000 feet Northeasterly of the center of discovery shaft upon which the notice is posted; thence 300 feet in a Southeasterly direction to a post or monument; thence 750 feet in a Southwesterly direction to a post or monument at the center of the Southeasterly side line of claim; thence 750 feet in a Southwesterly direction to a post or monument; thence 300 feet in a Northwesterly direction to a post or monument, being the center end post or monument of Southwesterly end of said claim and 1500 feet Southwesterly from the center of discovery shaft; thence 300 feet in a Northwesterly direction to a post or monument; thence 750 feet in a Northeasterly direction to a post or monument, being the center of the Northwesterly side line of claim; thence 750 feet in a Northeasterly direction to a post or monument; thence 300 feet in a Southeasterly direction to the place of beginning.

Done under and by virtue of the laws of the United States and the laws of the Territory of Arizona.

W.F.Westbrook
R.J.Williams, Locators.

Recorded at request of R.J.Williams at 30 minutes past 8 o'clock A.M. June 28, 1901.

R.J.Williams, County Recorder.
By D.W.Fuller, Deputy.

Territory of Arizona,)
 : SS
County of GILA.)

I, E.T.Stewart, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing is a full, true and correct copy of the Location Notice of the HARDSCRABBLE Mining Claim, as the same appears of record in my office in Book 7, Records of Mines, at page 354; that I have compared the same with the original record, and that the same is a true transcript, and of the whole thereof.

GIVEN under my hand and seal of office, this 14th day of June A.D. 1911.

E. T. Stewart
County Recorder.

LOCATION NOTICE.

JUL 15 1911

NOTICE IS HEREBY GIVEN, that the "CRACKER JACK" Mining Claim, containing mineral-bearing quartz, earth or rock in place, located by R.J. Williams and W.F. Westbrook citizens of the United States on this 11th day of July, 1901, has been located for mining purposes. Said claim is 1,500 feet in length, and we claim 300 feet on each side of the center of discovery shaft, for full length of claim. The general course of this lode, deposit or premises is Northeasterly and Southwesterly. This claim is situated in Globe or Pinto Creek Mining District, Gila County, Territory of Arizona, about sixteen miles in a Westerly direction from Globe and about $\frac{1}{2}$ mile south of divide dividing Mineral and Pinto Creeks and is the Northeast extension of the Sycamore.

This claim is bounded and marked as follows, to-wit: Beginning at the Northeast center end post or monument, being -- feet Northeast of the center of discovery shaft upon which the notice is posted; thence 300 feet in a Southeasterly direction to a post or monument, thence 750 feet in a Southwesterly direction to a post or monument at the center of the Southeasterly side line of claim; thence 750 feet in a Southwesterly direction to a post or monument; thence 300 feet in a Northwesterly direction to a post or monument, being the center end post or monument of Southwesterly end of said claim and 1500 feet Southwesterly from the center of discovery shaft; thence 300 feet in a Northwesterly direction to a post or monument; thence 750 feet in a Northeasterly direction to a post or monument, being the center of the Northwesterly side line of claim; thence 750 feet in a Northeasterly direction to a post or monument; thence 300 feet in a Southeasterly direction to the place of beginning.

Done under and by virtue of the laws of the United States, and the laws of the Territory of Arizona.

R.J. Williams

W.F. Westbrook, Locators.

Recorded at request of R.J. Williams at 30 minutes past 2 o'clock P.M. September 20th, 1901.

R.J. Williams, County Recorder.

Territory of Arizona,)
: SS
County of GILA.)

I, E.T. Stewart, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing is a full, true and correct copy of the Location Notice of the CRACKER JACK Mining Claim, as the same appears of record in my office in Book 7, Records of Mines, at page 409; that I have compared the same with the original record and that the same is a true transcript, and of the whole thereof.

GIVEN under my hand and seal of office, this 14th day of June, A.D. 1911.

E. T. Stewart
County Recorder.

LOCATION NOTICE.

JUL 15 1911

NOTICE IS HEREBY GIVEN, that the "OAK SPRING" Mining Claim, containing mineral-bearing quartz, earth or rock in place, located by R.J. Williams and W.F. Westbrook citizens of the United States on this 11th day of July, 1901, has been located for mining purposes. Said claim is 1,500 feet in length and we claim 300 feet on each side of the center of discovery shaft, for full length of claim. The general course of this lode, deposit or premises is Northeasterly and Southwesterly. This claim is situated in Globe or Pinto Creek Mining District, Gila County, Territory of Arizona, about sixteen miles in a Westerly direction from Globe and about 1/2 mile south of the divide of Mineral Creek from Pinto Creek and lies Southwest of the Sycamore.

This claim is bounded and marked as follows, to-wit: Beginning at the Northeast center end post or monument, being -- feet Northeast of the center of discovery shaft upon which the notice is posted; thence 300 feet in a southeast direction to a post or monument; thence 750 feet in a Southwest direction to a post or monument at the center of the Southeast side line of claim; thence 750 feet in a Southwest direction to a post or monument; thence 300 feet in a Northwest direction to a post or monument, being the center end post or monument of Southwest end of said claim and 1500 feet Southwest from the center of discovery shaft; thence 300 feet in a Northwest direction to a post or monument; thence 750 feet in a Northeast direction to a post or monument being the center of the Northwest side line of claim; thence 750 feet in a Northeast direction to a post or monument; thence 300 feet in a Southeast direction to the place of beginning.

Done under and by virtue of the laws of the United States, and the laws of the Territory of Arizona.

R.J. Williams,
W.F. Westbrook, Locators.

Recorded at request of R.J. Williams, at 30 minutes past 2 o'clock P.M. September 20th, 1901.

R.J. Williams, County Recorder.

Territory of Arizona,)
 : SS
County of GILA.)

I, E.T. STEWART, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing is a full, true and correct copy of the Location Notice of the OAK SPRING Mining Claim, as the same appears of record in my office in Book 7, Records of Mines, at page 409; that I have compared the same with the original records, and that the same is a true transcript and of the whole thereof.

GIVEN under my hand and seal of office, this 14th day of June A.D. 1911.

E. T. Stewart
County Recorder.

NOTICE OF MINING LOCATION.

Lode Claim.

JUL 15 1911

To ALL Whom It May Concern:

This Mining Claim, the name of which is the Westbrook Ajax 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 W.F.Westbrook & P.C.Robertson, the undersigned, on the 5th day of February, 1906.

The length of this claim is 1500 feet, and we claim 450 feet in a Northeast direction and 1050 feet in a Southwest 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 North East to the South West.

The claim is situated and located in the Summit Mining District, in Gila County, in the Territory of Arizona, about 17 miles in a Southwest direction from Town of Globe and 3700 feet South West from Gibson hoist joins Sycamore Mine on the South & Apex mine of the Southwest.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at -----at a point in a Northeast direction 450 feet from the discovery shaft (at which this notice is posted) being in the center of the Northeast end line of said claim; thence 300 feet to a monument, being the North East corner of said claim; thence 1500 feet to a monument, being at the South West corner of said claim; thence 300 feet to a Monument at the center of the Southwest end of said claim; thence 300 feet to a Monument, being at the Southwest corner of said claim; thence 1500 feet to a Monument at the Northwest corner of said claim; thence 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 -----day of----- 190--

W.F.Westbrook
P.C.Robertson

Filed and recorded at the request of Frank Westbrook, on the 23rd day of February, A.D. 1906, at ~~minutes-past~~ 2 o'clock P.M.

W.D.Fisk, County Recorder.
By Richard Fleming,
Deputy Recorder.

Territory of Arizona, }
County of Gila. } ss.

I, E.T.Stewart, County Recorder in and for the County of Gila, Territory of Arizona, do hereby certify that the above and foregoing, is a full, true and correct copy of the Location Notice of the WESTBROOK AJAX Mining Claim, as the same appears of record in my office in Book 11, Records of Mines, at page 96; that I have compared the same with the original record, and that the same is a true transcript and of the whole thereof.

Given under my hand and seal of office this 14th day of June, A.D. 1911.

E. T. Stewart
County Recorder.

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

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

November 28, 1911.

I, U. S. Surveyor General for Arizona,
do hereby certify that the foregoing transcript of the Field Notes, return and approval
of the Survey of the mining claim of

Tucson-Globe Copper Company,
known as the ANNEX, HARDCRABBLE, SYCAMORE, APEX, CRACKER
JACK, OAK SPRING, WESTBROOK, AJAX, situate in

GLOBE
Mining District, GILA County,

ARIZONA, in Section s. 20, 21, 28, 29 Township No. 1 S.,

Range No. 14 E., Crook National Forest, and designated as Survey

No. 2944, 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 ^{or for each of} said mining claim ^{by claimant} or its grantors, and
that said improvements consist of 4 shafts, 6 cuts and 4 tunnels, total
value \$7300.00. Tunnel No. 3 on the Sycamore lode being a
common improvement for the benefit and development of all seven
of the claims of this survey, an undivided 1/7 interest therein,
value \$500.00, is properly credited to each of the lodes in
this 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,

November 28, 1911.

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of

Tucson-Globe Copper Company,

known as the

ANNEX, HARDCRABBLE, SYCAMORE, APEX, CRACKER JACK, OAK SPRING, WESTBROOK AJAX,

situate in Globe mining district,

Gila County, Arizona,

in Sections 20, 21, 28, 29, Township No. 1 S., Range No. 14 E., Crook

National Forest, designated as Survey No. 2944,

executed by Edgar C. Dietrich, U. S. Deputy Mineral

Surveyor, July 27 - 31, 1911, under my instructions dated

July 15, 1911, 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. Lyall

U. S. Surveyor-General for Arizona.