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copied, July 1, 1909.
A. L. H.

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Platted

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4-683.

MINERAL SURVEY No. 2620

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

CALUMET & ARIZONA MINING CO.

KNOWN AS THE

COPPER GIANT MINE, COPPER PRINCE MINE, BURICKA MINE,

GLOBE MINE, BUNKER HILL Mining District,

PINAL County, ARIZONA

Section Approx. Township 8 S, Range 18-E. Unsur

Surveyed under instructions dated JAN. 2, 19 09

by F. A. Bordwell
U. S. Mineral Surveyor.

Tucson

Claim located See Location Notices, 19

Survey commenced MARCH 16, 19 09

Survey completed MARCH 21, 19 09

6-822

Address:

Frank H. Hereford, Atty.,

Tucson, Arizona.

Feet.

SURVEY NO. 2620.GLOBE MINE LODE.

Beginning at Cor. No. 1, a redwood post 4" x 6", 4 1-2 ft long, set 18 inches in the ground with mound of stone, scribed 1 2620 G being identical with the location corner, whence,

U.S.L.M. No. 2577 bears N. 43° 24½' W. 2414.3 ft.

An iron bar set in concrete marked C bears S. 73° 02' E. 98.4 ft.

Thence N. 45° 02' E. Var 13° 30' E.

150 Wash-30' wide-course southeasterly

302.9 Westerly End Center Monument, a pine post 4" x 6" 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed W.E.C.-2620-G being identical with location monument.

605.8 To Cor. No. 2, a pine post 4" x 6" 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed 2-2620-G. being identical with location corner, whence.

An iron bar set in concrete marked A bears S 3° 37' E. 236.4 ft.

Thence S. 52° 58' E. Var. 14° 00' E.

60 Top ridge

620 Wash 25' wide-course southeasterly

715 Road-course southeasterly

1100 Top ridge

1500 To Cor. No. 3, a pine post 4" x 6", 4 1-2 ft long, set 18" in the ground, with mound of stone, scribed 3-2620-G being identical with location corner, whence,

A rock outcropping chiseled D.R.3-2620-G. bears N. 35° 04' W. 10.8 ft.

Thence S. 45° 02' W. Var. 13° 30' E.

148 Road to Mammoth-course westerly

282 W.E.C. monument Copper Prince Mine lode of this survey

302.9 Easterly and center monument, a pine post 4" x 6", 4 1-2 ft set 18 inches in the ground with mound of stone, scribed E.E.C. 2620-G being identical with location monument

416 Wash 25-wide, course southeasterly

605.8 To Cor. No. 4, pine post 4"x6", 4 1-2 ft. long, set 18" in the ground, with mound of stone, scribed 4-2620-G being identical with location corner, whence,

A + on the southwesterly sill of collar of the Copper Prince shaft bears S. 89° 30' E. 483.8 ft.

Thence N. 52° 58' W. Var. 14° 00' E.

75 Road to Mammoth--course--northwesterly

400 Top mound

500 Bottom saddle

850 Road

900 Top ridge

950 Road course northerly

1065 Ravine

1190 Top ridge

1365 Wash-30' wide course southwesterly

1500 To Cor No 1, the place of beginning.

EURICKA MINE LODE.

Beginning at Cor. No. 1, a pine post 4" x 6" 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed 1-2620-E being identical with location corner and with corner No. 2 of Globe Mine lode of this survey, whence,

U.S.L.M. No. 2577 bears N. 57° 35' W. 2473.1 ft.

Thence N. 45° 02' E. Var 14° 00' E.

25 Top ridge

200 Shallow ravine

302.9 Westerly and center monument a red wood post 4"x 6", 4 1-2 ft long set 18 inches in the ground, with mound of stone, scribed W. E. C.-2620-E. being identical with location monument.

335 Top ridge

515 Wash course southeasterly

Handwritten mark: a stylized 'H' with an arrow pointing right.

- 3
- 560 Road
 605.8 To Cor. No. 2, a pine post 4" x 6", 4 1-2 ft. long, set 18 inches in the ground, with mound of stone, scribed 2-2620-E. whence
 The location corner, a 4" x 4" mesquite post with a mound of stone bears N. 45° 02' E. 7.0 ft,
 An iron bar set in concrete and marked A bears S. 31° 56' W. 782.2 ft.
 Thence S. 52° 58' E. Var 14° 00' E.
- 280 Ravine
 550 Top ridge
 710 Ravine
 1040 Top ridge
 1259 intersect the west end line of the Dorothy Lode unsurveyed, whence
 S.W.cor. Dorothy claim unsurveyed
 Calumet and Arizona Mining Co. claimant, bears S. 37° 04' W. 60.6 ft.
- 1500 To Cor. No. 3, a pine post 4" square, 4 1-2 ft long, set 18 inches in the ground, with mound of stone, scribed 3-2620-E. being identical with location corner and on the south side line Dorothy Lode unsurveyed, whence
 A + on face of tunnel chiseled B.R. 3-2620-E bears S. 47° 08' E. 121.3 ft.
 S.W.Cor. Dorothy claim bears N. 67° 05' W. 248.5 ft,
 Thence S. 45° 02' W. Var 13° 15' E.
- 100 Bottom descent
 240 Top ridge
 240.2 W.E.C. monument Copper Giant Mine lode of this survey,
 302.9 Easterly and center monument, a pine post 4" x 6", 4 1-2 ft. long, set 18 inches in the ground, with mound of stone, scribed E.E.C.-2620-E. being identical with location monument.
- 480 Mouth small ravine
 564.0 Cor. No. 1, Copper Giant Mine lode of this survey
 580 Top ridge
 605.8 To Cor. No. 4, a pine post 4" x 6" 4 1-2 ft. long set 18 inches in the ground with mound of stone scribed 4-2620-E. being identical with location corner, and with Cor. No. 3 Globe Mine lode of this survey
 Thence N. 52° 58' W. Var. 13° 30' E.
- 400 Top ridge
 785 Road
 880 Wash 25' wide-course southeasterly
 1400 Top ridge
 1500 To Cor. No. 1, the place of beginning.

COPPER GIANT MINE LODE.

- Beginning at Cor. No. 1, a pine post 4" x 6", 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed 1-2620-C.G. being identical with location corner, whence
 U.S.L.M. No. 2577 bears N. 56° 26' W. 3978.2 ft
 A + on rock outcropping chiseled B.R. -1-2620-C.G. bears S. 59° 11' E. 22.1 ft.
 Thence N. 45° 02' E. Var. 13° 30'
- 84 Mouth small ravine
 261.1 E.E.C. monument Euricka Mine Lode of this survey
 323.8 Top ridge and westerly end center monument a pine post 4" square set 18 inches in the ground with mound of stone scribed W.E.C.-2620-C.G. being identical with location monument.
- 464 Bottom Descent
 564.0 Cor. No. 3 Euricka Mine Lode of this survey, whence

- 647.6 S.E. Cor. 4 Dorothy claim, unsurveyed-Calumet and Arizona Mining Co. claimant--bears S 67° 05' E. 1251.5 ft. This latter corner as well as S.W. Cor of the Dorothy claim, is a 4" x 4" mesquite post with mound of stones.
To Cor No. 2, a pine post 4" x 6", 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed 2-2620 G.G. being identical with location corner, whence,
A 12" mesquite blazed and scribed B.T. 2-2620-C.G. bears N. 35° 13' E. 35.7 ft.
Thence S. 67° 05' E. Var. 13° 15' E.
- 50 Bottom descent
125 Centre wash 30' wide course southwesterly
210 Beginning ascent
750 Top ridge
885 Bottom ravine
1140 Top ascent
1239.5 intersect the east end line of the Dorothy Lode unsurveyed, whence
S. E. Cor. Dorothy lode bears S. 37° 04' W. 79.9 ft.
- 1350 Beginning descent
1500 To Cor. No. 3 a pine post 4" x 4", 4 1-2 ft long set 18 inches in the ground with mound of stone, scribed 3-2620 C.G., whence.
Location corner, a 4" x 4" mesquite post with mound of stone bears S. 67° 05' E. 10.7 ft.
A rock outcropping chiseled B.R. 3-2620CG. bears N. 21° 22' W. 66.6 ft.
Thence S. 45° 02' W. Var. 13° 30' E.
- 58.8 I intersect the west end line Giant Extension Lode unsurveyed, whence,
N.W. Cor. Giant Extension lode unsurveyed Theo. T. Swift claimant bears N. 52° 53' E. 192.5 ft. W.E.C. monument Giant Extension claim bears S. 52° 53' W. 93.7 ft.
- 264.1 I intersect the west end line Giant Extension Lode, unsurveyed, whence,
S.W. Cor Giant Extension lode bears S. 38° 32' W. 163.9 ft W.E.C. monument Giant Extension lode bears N. 38° 32' E. 113.2 ft; Giant Extension monuments are 4" x 4" mesquite post with a mound of stones.
- 280 Top ridge
323.8 Easterly end center monument, a pine post 4" x 4", 4 1-2 ft long, set 18" in the ground with mound of stones, scribed E.E.C. 2620 C.G. whence,
Location monument a 4" x 4" mesquite post with a mound of stones bears S. 67° 05' E. 10.5 ft.
- 647.6 To Cor. No. 4, a pine post 4" x 6" 4 1-2 ft long, set 18 inches in the ground with mound of stone, scribed 4-2620 C.G., whence,
Location corner, a 4" x 4" mesquite post with a mound of stone bears S. 67° 05' E. 10.5 ft.
Thence N. 67° 05' W. Var. 13° 30' E.
- 470 Top ridge
1375 Wash-30' wide course southwesterly
1403 Road to Mammoth bearing southwesterly
1427 Telephone line bearing N. 0° 45' E.
1500 To Cor, No. 1, the place of beginning.

COPPER PRINCE MINE LODE.

- Beginning at Cor. No. 1, a pine post 4" x 6", 4 1-2 ft long, set 18 inches in the ground with mound of stone scribed 1-2620-C.P. being identical with location corner and Cor. No. 4, Globe Mine Lode of this survey, whence,
U.S.L.M. NO. 2577 bears N. 47° 04' W. 3901.4 ft.
Thence N. 45° 02' E. Var. 14° 00' E.
- 190 Wash-30' wide course southeasterly
302.9 E.E.C. monument Globe Mine lode of this survey.
323.8 Westerly end center monument, a pine post 4" x 4", 4 1-2 ft long, set 18" in the ground with mound of stone, scribed W.E.C. 2620-C.P. being identical with location monument.

Feet

- 458 Road to Mammoth bearing easterly.
- 605.8 Cor. No. 3 Globe lode of this survey
- 647.6 To Cor. No. 2, a pine post 4" x 6", 4 1-2 ft long set 18" in the ground with mound of stone, scribed 2-2620-C.P. being identical with location corner and Cor. No. 1, Copper Giant Mine lode of this survey.
Thence S. 67° 05' E. Var. 13° 30' E.
- 73 Tel. line bearing N. 0° 45' E.
- 97 Road to Mammoth bearing southwesterly
- 125 Wash 30' wide course southwesterly
- 1030 Top ridge
- 1500 To Cor. No. 3, a pine post 4" x 6", 4 1-2 ft long, set 18 inches in the ground with mound of stone, scribed 3-2620 C.P., being identical with Cor. No. 4, Copper Giant Mine lode of this survey, whence
Location corner, a 4" x 4" mesquite post with a mound of stone bears S. 67° 05' E. 10.5 ft.
A rock outcropping, chiseled B.R. 3-2620-C.P. bears N. 51° 04' E. 86.9 ft.
Thence S. 45° 02' W. Var. 13° 30' E.
- 125 Shallow Ravine
- 323.8 Easterly end center monument, a pine post 4" x 4", 4 1-2 ft long, set 18 inches in the ground with mound of stone scribed E.E.C. 2620 C.P. whence
Location monument a 4" x 4" mesquite post with mound of stone bears S 67° 05' E. 10.2 ft.
- 550 Top ridge
- 647.6 To Cor. No. 4, a pine post 4" x 4", 4 1-2 ft long, set 18" in the ground with mound of stone, scribed 4-2620-C.P. whence
Location corner, a 4" x 4" mesquite post with a mound of stones bears S 67° 05' E. 10.0 ft.
A 10" mesquite tree blazed and scribed B.T. 4-2620-C.P. bears S 40° 04' E. 48.6 ft.
Thence N. 67° 05' W. Var. 13° 15' E.
- 300 Shallow Ravine
- 425 Top ridge
- 1227 Telephone line bears N. 30° 11' E.
- 1340 Wash 30' wide course southerly
- 1500 To Cor. No. 1, the place of beginning.

AREA.

	Acres.
Total area Globe Mine lode	20.658
" " Buricka Mine lode	20.658
Area in conflict with Dorothy lode mining claim unsurveyed	0.168
Total area Copper Giant Mine lode	20.660
Area in conflict with Dorothy lode mining claim, unsurveyed	2.215
Area in conflict with Giant Extension lode mining claim unsurveyed	0.030
Total area Copper Prince Mine lode	20.660

LOCATION.

This claim is located in approximately unsurveyed T. 8 S.R. 18 E. of the Gila and Salt River Base and Meridian. Bunker Hill Mining District, Pinal Co. Arizona.

ADJOINING CLAIMS.

This claim is bounded on the northeast by the

Feet

Superior and Dorothy claims, on the southeast by the Giant Extension, Theo. T. Swift, claimant, Childs and Childs No. 1, claims, E. W. Childs, claimant, on the southwest by the Malcome and Gertrude claims and on the northwest by the Nellie and Zella claims, all unsurveyed. Unless otherwise noted, Calumet & Arizona Mining Co. claimant of adjoining claims.

COURSE OF VEIN.

The presumed course of vein of the Globe lode is from the Westerly End Center Monument S 52° 58' E. 1500 ft. to the Easterly End Centre Monument.

The presumed course of vein of the Euricka lode is from the Westerly End Centre monument S 52° 58' E, 1500 ft. to the Easterly End Center monument

The presumed course of vein of the Copper Giant lode is from the Westerly End Centre monument S. 67° 05' E. 1500 to the Easterly End Centre monument.

The presumed course of vein of the Copper Prince lode is from the Westerly End Centre monument S. 67° 05' E., 1500 ft to the Easterly End Centre Monument.

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 is said mining claim by the claimant or its grantors is not less than five hundred dollars, and that said improvements consist on the

No. 1, The discovery cut of the Globe Mine lode, the mouth of which, being the discovery point, is on the center line 325 ft. from the ^{Globe Mine Lode} W. E. C. 4 ft wide, 6 ft deep, running N. 45° E. 30 ft.

Value \$52.

No. 2, A tunnel, the mouth of which bears from Cor. No. 2, Globe Mine lode S. 9° 30' E. 390 ft, 4 x 6 ft, running S. 10° E. 15 ft.

Value \$52

No. 3, A cut, the face of which bears from Cor No. 2, Globe Mine lode, S, 15° 30' E. 390 ft, 4ft wide, 6ft face, running N. 5° W. 10 ft.

Value \$16

No. 4, A shaft which bears from Cor. No. 1, Globe Mine lode, S. 86° 10' E. 505 ft, 5 x 7.5 ft, 373 ft deep, timbered.

Value \$8000

No. 5, A tunnel, the mouth of which bears from Cor. No. 1, Globe Mine lode, S. 83° E. 232 ft, 4 x 6 ft, running N. 83° 30' E. 330 ft.

Euricka Mine Lode Value \$3200

No. 1, The discovery cut of the Euricka Mine lode, the face of which, being the discovery point, is in the center line, 15 ft. from the ^{E. E. C.} 12 ft. wide, 4 ft face, running S. 53° E. 10 ft.

Value \$36

No. 2, A cut, the face of which bears from Cor. No. 3, Euricks Mine lode, S. 70° 30' W. 210 ft. 4ft wide, 6 ft face, running S. 21° E. 12 ft.

Value \$ 24

No. 3, A cut, the face of which bears from Cor. No. 3, Euricka Mine lode, S. 75° 45' W. 105 ft, 17 ft wide, 12 ft face, running N. 80° E. 11 ft. From the face is a tunnel 6 x 6 ft, running S 80° W. 12 ft.

Value of cut and tunnel \$232

No. 4, A cut, the face of which bears from Cor. No. 3, Euricks Mine lode, S. 59° 30' W. 222 ft, 4ft wide, 6 ft

face, running N, 87° E. 16 ft.

Value \$76

No. 5, A shaft which bears from E. E. C. Mon. Euricka Mine lode, S. 71° 30' W. 165 ft. 6 x 8 ft, 8 ft deep.

Value \$60

No. 6, A shaft which bears from E. E. C. Mon. Euricka Mine lode S. 71° W. 153 ft., 6 x 7 ft, 10 ft, deep.

Value \$ 64

No. 7, A shaft which bears from E. E. C. Mon. Euricka Mine lode, S. 61° W. 172 ft. 4 x 6 ft 10 ft deep.

Value \$36

No. 8, A shaft which bears from E. E. C. Mon. Euricka Mine lode S. 81° 30' W. 73 ft, 4 x 6 ft 15 ft deep.

Value \$ 56

No. 9, A shaft which bears from E. E. C. Mon, Euricka Mine lode, S. 58° 30' W. 52 ft. 6 x 6 ft 5 ft. deep.

Copper Giant Mine Lode Value \$28

No. 1, The discovery cut of the Copper Giant Mine lode, the face of which, being the discovery point, is in the center line, 430 ft. from the W. E. C. 6 ft wide, 11 ft face, running N. 67° W. 25 ft.

Value \$130

No. 2, A cut, the face of which bears from Cor. No. 2 Copper Giant Mine lode S. 26° 30' E. 388 ft, 9ft wide, 8ft face running N. 30° W. 13 ft,

Value \$72

No. 3, A cut, the face of which bears from Cor. No. 2, Copper Giant Mine lode S. 23° 30' E. 160 ft, 8 ft wide, 8 ft face, running N. 25° W. 18 ft.

Value \$84

No. 4, A tunnel, the mouth of which bears from Cor. No. 2, Copper Giant Mine lode S. 10° 30' E. 148 ft, 5 x 6 ft, running S. 35° E. 200 ft.

Value \$2200

No. 5, A tunnel, the mouth of which bears from Cor. No. 2, Copper Giant Mine lode S. 5° E. 187 ft, 4 x 6 ft, running S 46° 30' E. 120 ft.

Value \$1200

No. 6, A shaft, which bears from Cor. No. 2, Copper Giant Mine lode, S. 24° 25' E. 340 ft. 4.5 x 6 ft, 204 ft, deep, timbered.

Copper Prince Mine Lode Value \$3100

No. 1, The discovery cut of the Copper Prince Mine lode, the face of which, being the discovery point, is on the center line, 415 ft from the W. E. C. 4 ft wide, 10 ft face, running N. 67° 05' W. 15 ft.

Value \$44

No. 2, A cut, the face of which bears from W. E. C. Mon. Copper Prince Mine lode S. 62° E. 425 ft, 5ft wide, 17 ft face, running N. 70° W. 17 ft.

Value \$108

No. 3, A shaft which bears from Cor. No. 1, Copper Prince Mine lode S. 89° 30' E. 484 ft, 4.5 x 6 ft, 414 ft, deep, timbered.

Value \$7300

Drifts, crosscuts, etc. from No. 4, shaft, Globe Mine lode.

150 ft Level.

From center of shaft N. 55° 30' W. 19 ft, thence N. 16° 30' W. 20 ft; thence N. 83° 30' E. 10 ft; thence N. 9° 30' W. 62 ft; thence N. 22° W. 41 ft; thence N. 4° 30' W. 130 ft. At point on course No 6, 69 ft, from the beginning, drift runs N. 38° W. 70 ft.

From center of shaft S. 55° 30' E. 22 ft; thence S. 8° E. 108 ft; thence S. 62° E. 280 ft; At point on course No. 1, 22 ft. from the beginning, drift runs N. 35° E. 22

125

Feet ft.,; thence N. 15° 30' E. 31 ft; thence N. 21° W. 40 ft.
thence N. 57° W. 25 ft. From the beginning of this last
course, drift runs due west 30 ft.

Total length 150 ft level 910 ft.

Value \$8700

250 ft Level.

From center of shaft S. 49° E. 312 ft; thence N. 64° E. 25 ft., thence N. 43° E. 19 ft., thence S. 57° 30' E. 14 ft., thence S. 8° 30' E. 50 ft, At point on course No. 1, 17 ft. from the shaft, drift runs N. 1° W. 30 ft. at 195 ft. drift runs N. 45° 30' E. 100 ft., at 267 ft. drift runs S. 16° 30' W. 70 ft., at 284 ft. drift runs N. 66° E. 30 ft. at 312 ft, drift runs S. 4° 30' W. 30 ft. At point on same course 15 ft., from shaft, cross cut runs S. 34° 30' W 38 ft.,*thence S. 24° 30' E. 66 ft., thence S. 14° 30' W. 70 ft., At a point 12 ft from the beginning of course No. 2 of this latter crosscut, drift runs S. 37° 30' E. 45 ft., and 35 ft., from beginning of course No. 3, drifts run S. 38° W. 65 ft., and S. 85° W. 35 ft., while from end of course No. 3, drift runs S. 77° E. 35 ft. (At*insert "thence S. 1° 30' W. 185 ft.")

From center shaft N. 49° W. 15 ft., thence N. 14° E. 19 ft., thence N. 48° E. 10 ft., thence N. 6° E. 55 ft., At point on course No. 2, 19 ft from beginning, drift runs N. 75° W. 40 ft, and at 36 ft from beginning of course No. 4, drift runs S. 51° E. 35 ft.

Total length 250 ft, level 1393 ft,

Value \$13300

350 Level.

From center of shaft S. 54° E. 190 ft.,

Value \$1800

Drifts, cross cuts, etc, from No, 6, Shaft, Copper Giant Mine lode.

190 ft. Level.

At point N. 35° W. 40 ft from center of shaft, drift runs from tunnel S. 22° 30' W. 20 ft., thence S. 13° W. 110 ft., thence S. 8° 30' E. 20 ft., thence S. 4° W. 35 ft. At end of course No. 1, drift runs S. 34° E. 25 ft, and at end of course No. 3, drift runs S. 47° 30' E. 20 ft.

At point N. 35° W. 30 ft. from center of shaft, drift runs from tunnel N. 15° E. 50 ft.

From center of shaft, cross cut runs S. 35° E. 52 ft., thence S. 1° 30' E. 135 ft, and at the end of course No. 1, drifts runs S. 77° 30' W. 25 ft.

Total length level 492 ft.

Value \$5400

Drifts, cross cuts, etc, from No. 3, Shaft, Copper Prince Mine lode,

100 ft Level.

From center of shaft N. 70° 30' E. 125 ft., thence N. 47° E. 30 ft. At point on course No. 1, 50 ft, from center of shaft, drift runs S. 62° E. 28 ft., thence S. 32° E. 27 ft., thence S. 12° E. 31 ft., thence S. 20° 30' E. 39 ft., thence S. 42° W. 25 ft., thence S. 75° W. 25 ft. thence N. 60° 30' W. 26 ft., thence N. 8° W. 15 ft., thence N. 30° W. 45 ft., thence N. 5° 30' E. 15 ft. From same point on course No. 1, 50 ft., from center of shaft, drift runs N. 12° 30' W. 80 ft., thence N. 19° W 65 ft.,

Total length 100 ft level 576 ft.

Value \$5500

200 ft Level.

From center of shaft S. 75° W. 18 ft., thence N 81° 30' W. 31 ft., thence N. 57° W. 110 ft.,

From center of shaft N. 75° 30' E. 85 ft., thence S. 73° E. 80 ft., thence S. 81° 30' E. 185 ft., thence S. 55° E.

35 ft., thence S 81° 30' E. 40 ft. At point on course No. 1, 35 ft., from center of shaft, drift runs N. 4° W. 110 ft., thence N. 72° E. 15 ft., thence S. 67° 30' E. 30 ft., thence S. 34° E. 35 ft., thence S. 10° E. 30 ft. From same point on course No. 1, 35 ft from center of shaft, drift runs S. 22° 30' E. 25 ft., thence S. 15° 30' E. 130 ft., From this latter drift at end of course No. 1, drift runs S. 60° 30' E. 28 ft., thence S. 50° E. 30 ft. and at point 33 ft. from the beginning of course No. 2, drift runs S 66° W. 50 ft.

At point in course No 3. of the second cross cut running from the center of shaft and 90 ft from the beginning, drift runs N. 29° 30' E. 12 ft., thence N. 42° E. 20 ft., thence S. 89° 30' E. 13 ft., thence S. 46° 30' E. 25 ft., thence N. 82° 30' E. 40 ft. At same point, 90 ft. from beginning of course No 3, drift runs S. 2° E. 23 ft., thence S. 41° E. 15 ft. At point 165 ft, from beginning of course No 3, drift runs S 29° E. 30 ft.

Total length 200 ft level 1245 ft.

Value \$11900

300 ft Level.

From center of shaft, N. 79° 30' E. 85 ft., thence S. 80° E. 78 ft., thence S 84° E. 170 ft., At point on course No 1, 41 ft from center of shaft, drift runs S. 31° 30' E. 80 ft., and at point on latter 50 ft. from beginning cross cut runs S. 64° 30' W. 75 ft. At point on course No 1. 50 ft. from center shaft, drift runs N 1° W. 95 ft. thence N. 44° E. 65 ft., thence N. 34° 30' E. 55 ft.

Total length 300 ft. level 703 ft.

Value \$6700

OTHER IMPROVEMENTS.

A corrugated iron engine house the north east corner of which bears from Cor. No. 2 Euricka Mine lode S. 17° 59' W. 935 ft, 14 x 20 ft. Course of long sides S 70° E.

A corrugated iron boiler house, the southwest corner of which bears from Cor, No. 1, Globe Mine lode S 80° 53' E. 545 ft., 15 x 18 ft. Course of long sides S 70° E.

A corrugated iron blacksmith house, the southwest corner of which bears from cor. No. 4, Globe Mine lode N. 14° 05' E. 62 ft. 14 x 14 ft. Course of west side N. 14° E.

A frame store house, the southeast corner of which bears from Cor. No. 4, Globe Mine lode, N. 21° 42' W. 96 ft, 12 x 16 ft. Course of long sides N. 5° W.

A corrugated iron boiler house, the north west corner of which bears from Cor. No. 1, Copper Prince Mine lode, S. 86° 08' E. 505 ft. 14 x 14 ft. Course of south side N. 75° E.

A corrugated iron engine house, the north west corner of which bears from Cor. No. 1, Copper Prince Mine lode S. 88° 56' E. 520 ft. 12 x 14 ft. Course of long sides N. 80° E.

A frame shed, the northwest corner of which bears from Cor. No. 1, Copper Prince Mine lode, N. 84° 26' E. 520 ft., 9 x 10 ft. Course of long sides N. 80° E.

A cut, the face of which bears due west from a point on line 3-4 of Copper Giant Mine lode 127.8 ft, from Cor. No. 3, 5 ft wide, 10 ft face, running due east 16 ft, excavated by Theo. T. Swift.

A shaft which bears from Cor, No. 3, Copper Giant Mine lode S 49° W. 140 ft, 6 x 6 ft, 5 ft deep, dug by Theo. T. Swift, claimant Giant Extension lode.

INSTRUMENT.

This survey was made with a Lietz Mining Transit. The courses were deflected from the true meridian as

determined by Polaris observation, The distances were measured with 50 ft, 100 ft and 200 ft, steel tapes.

POLARIS OBSERVATION.

March 16, 1909.

At Cor. No. 1, of the Eurick~~and~~Lode at 7h. 46 m. P.M. L.M.T. I observe Polaris at western elongation. I mark the line thus established by a point on a stake driven in the ground 300 ft. north of the corner.

March 17, 1909.

At 6h. 30m. A.M. L.M.T. I deflect the azimuth of Polaris 1° 24' to the East and from the true meridian thus established, I deflect the course of the lines of this survey.

F. A. Bordwell

U.S. Deputy Mineral Surveyor.

 Affidavit of Five Hundred Dollars Improvements signed by

O. T. Nichols
 L. H. Hyer

 Chairman O. T. Nichols
 Chairman L. H. Hyer
 Axman L. H. Hyer
 Flagman O. T. Nichols

 Subscribed to before O. T. Richey, U. S.
 Commissioner, March 26, 1909.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by F. A. Bordwell

United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and

boundaries described in the foregoing field notes of the survey of the mining claim of Calumet

& Arizona Mining Co

known as the Copper Giant Mine, Copper Prince Mine, Euricha Mine, Globe Mine

and showing the respective capacities in which they acted.

O. E. Nichols, Chainman.

L. H. Hyer, Chainman.

L. H. Hyer, Axman.

O. E. Nichols, Flagman.

FINAL OATHS OF ASSISTANTS.

We, O. E. Nichols

and L. H. Hyer, do solemnly swear that we assisted

F. A. Bordwell, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Calumet and Arizona Mining Co.

known as the Copper Giant Mine, Copper Prince Mine, Euricha Mine, Globe Mine

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

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

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

furnished by the United States Surveyor-General for Arizona

O. E. Nichols, Chainman.

L. H. Hyer, Chainman.

L. H. Hyer, Axman.

O. E. Nichols, Flagman.

Subscribed and sworn to by the above-named persons before me this 26th

day of March, 1909

W. H. Fleming
U. S. Commissioner

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, F. A. Bordwell, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
Jan 2, 1909, 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 Calmest & Arizona Mining Co.
, known as the
Copper Giant Mine, Copper Prince Mine, Euricka Mine, Globe Mine
situate in Bunker Hill Mining District,
Pinal County, Arizona, approximately in Section
, Township No. 85., Range No. 18 E. N. 6. & S. R. B. & M.
and designated as Survey No. 2620, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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.

F. A. Bordwell
U. S. Mineral Surveyor.

Subscribed and sworn to by the said F. A. Bordwell
U. S. Mineral Surveyor, before me O. J. Richey
U. S. Commissioner this 26th
day of March, 1909

O. J. Richey
U. S. Commissioner

Affidavit of Five Hundred Dollars Improvements.

We, O. E. Nichols and L. H. Hyer

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Copper Giant ^{Mine,} Copper Prince ^{Mine,} Erica ^{Mine,} Globe ^{Mine} mining claim, situate in Bunker Hill Mining district, Pinal County, Arizona Territory, for which Calumet & Arizona Mining Co.

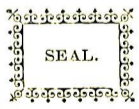
has made application for survey prior to application for patent under the provisions of the act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicants and has grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

O. E. Nichols
L. H. Hyer

TERRITORY OF ARIZONA, }
County of Yuma } ss:

Sworn to and subscribed before me, this 26th

day of March, 1909



[Signature]
[Signature]

Location Notice.

Notice is Hereby Given that the undersigned in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872 we have this day located and claim Fifteen Hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz and 600 feet in width 300 three Hundred feet in width on each side of the middle of said lead, lode, or vein situate in the Bunker Hill Mining District, County of Pinal, Territory of Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stones, being the North west end of claim and upon which this notice is posted : thence Northerly three hundred feet to a monument of stones,; thence easterly Fifteen Hundred feet to a monument of stones,: thence Southerly three hundred feet to a monument of stones being the center of the east end of claim: thence southerly three hundred feet to a monument of stones,: thence westerly Fifteen Hundred feet to a monument of stones, thence northerly Three Hundred feet to place of beginning.

This claim is situated about one mile North of Copper Creek cañon and 3 miles north of the Oak Grove ranch and about 1 1/2 miles west from Achloys mine and is re-located in default of the Assessment work for the year 1889, and shall be known as the COPPER GIANT MINE.

Located January, 1st, 1890.

John Scanlon

E. A. Clark.

Filed and recorded at request of E. A. Clark, January, 7th, A. D. 1890. at 1:25 P. M.

A. G. Williams, Recorder.

Records of Mines Book 12 at pages. 43 and 44

Territory of Arizona.

County of Pinal. ss

I, G. F. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do hereby certify that the above and foregoing Location Notice of the Copper Giant Mine, is a full, true and correct copy of the original, as the same appears of record, in this office in Book No. 12 of Records of Mines, at page. 43.

Witness my hand and seal of office this the 16th day of November, A. D. 1908.

Recorder..... *G. F. Watson*

ps

Location Notice.

Notice is Hereby Given , that the undersigned, in compliance with the requirements, of the Mining Act of Congress, approved May, 10th 1872, we have this day located and claim Fifteen Hundred linear feet along the course of this lead, lode or vein, of Mineral bearing quartz, and 600 feet in width 300 three hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Bunter Hill Mining District, County of Pinal, Territory of Arizona, and more particularly described as follows, to-wit: Commencing at this monument of stones, being the center of the north west end of claim, and upon which this notice is posted: thence northerly three hundred feet to a monument of stones; thence easterly fifteen hundred feet to a monument of stones,: thence Southerly three hundred feet to a monument of stones, being the center of the east end of claim: thence southerly three hundred feet to a monument of stones ; thence westerly fifteen hundred feet to a monument of stones,: thence northerly three hundred feet to the place of beginning.

This claim joins the Copper Giant on the South and was known as the Gagocala Mine and is re-located in default of the Assessment work for the Year 1889, and shall be known as the COPPER PRINCE MINE.

Located January, 1st, 1890.

P. A. Clark

John Scanlon Locators.

Filed and recorded at request of E. A. Clark, January, 7th, A. D. 1890 at 1:30 P. M.

A. G. Williams, Recorder.

Records of Mines... Book 12 at pages... 44 and 45.

Territory of Arizona

County of Pinal ss

I, G. F. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do hereby certify that the above and foregoing Location Notice of the Copper Prince Mine, is a full, true and correct copy of the original as the same appears on record, in this office in Book No. 12 Records of Mines, at page 44.

Witness my hand and seal of office this the 13th day of November, A. D. 1908

Recorder.....*G. F. Watson*

Location Notice.

Notice is hereby Given , that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, we have this day located and claim fifteen hundred linear feet along the course of this lead, lode, or vein of Mineral bearing quartz, and 600 feet in width, Three Hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Bunker Hill Mining District, County of Pinal, Territory of Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stones, being the center of the East end of claim, and upon which this notice is posted; thence Northerly three hundred feet to a Monument, of stones, thence westerly fifteen hundred feet to a monument of stones: thence Southerly three hundred feet to a monument of stones: being the center of the North West end of claim: thence Southerly three hundred feet to a monument of stones,: thence easterly fifteen hundred feet to a monument of stones,: thence Northerly three hundred feet to the place of beginning.

This claim is the West Extention of the Copper Giant Mine, and was known as the Mohawk Mine and is relocated in default of the assessment work for the year 1889. and shall be known as the EURICKA MINE..... Located January, 1st, 1890,

E. A. Clark.

John Scanlon. Locators

Filed and recorded at request of E. A. Clark, January, 7th, A. D. 1890 at 1:35 P. M.

A. G. Williams, Recorder.

Records of Mines.... Book 12 at pages 45 and 46.

Territory of Arizona.

County of Pinal ss.

I. G. F. Watson, County Recorder in and for the County of Pinal, Territory of Arizona, do hereby certify that the above and foregoing Location Notice of the "Euricka" Mine, is a full, true and correct copy of the original as the same appears of record, in this office, in Book 12 of Records of Mines, at page. 45

Witness my hand and seal of office this the 16th day of November A. D. 1908

Recorder.....*I. G. F. Watson*.....

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Location Notice.

Notice is hereby given that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872, we have this day located and claim Fifteen Hundred linear feet along the course of this lead, lode, or vein of Mineral bearing quartz, and three Hundred feet in width on each side of the middle of said lead, lode or vein, situate in the **Bunker Hill Mining District**, County of Pinal, Territory of Arizona, and more particularly described as follows, to-wit:

Commencing at this monument of stones, being the middle of claim, and upon which this notice is posted: thence in a westerly direction 750 feet to a monument of stones, being the north west end of claim: thence Southerly three hundred feet to a monument of stones, : thence easterly Fifteen Hundred feet to a monument of stones, : (thence northerly three hundred feet to a monument of stones,) being the center of the east end of claim, thence Northerly three Hundred feet to a Monument of stone : thence westerly fifteen Hundred feet to a monument of stones, thence Southerly Three Hundred feet to a monument of stones being the west end end of claim .

This claim is bounded on the East by the Copper Prince, mine and about 1500 feet west of the Copper Giant Mine and was Known as the **World Mine** and is re-located in default of Assessment work for the year 1889 and shall be known as the **GLOBE MINE**.

E. A. Clark

John Scanlon Locators

Located January, 1, 1890

Filed and recorded at request of E. A. Clark, January, 7th, A. D.
at 1:20 P. M.

A. G. Williams.... Recorder..

Records of Mines... Book 12 at pages. 42 and 43

Territory of Arizona.

County of Pinal ss.

I, G. P. Watson, County Recorder, in and for the County of Pinal, Territory of Arizona, do hereby certify that the above and foregoing Location Notice of the Globe Mine, is a full, true and correct copy of the original, as the same appears on record in this office in Book 12 of Records of Mines at page 42, Witness my hand and seal of office this the 15th day of November, A. D. 1908.

Recorder..... *G. P. Watson*

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 24, 1909.

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

Calumet & Arizona Mining Co.

known as the COPPER GIANT MINE, COPPER PRINCE MINE, EURICKA MINE, GLOBE MINE.

situate in BUNKER HILL

Mining District, PINAL County, ARIZONA

in Section APPROX., Township No. 8 S., Range No. 18 E., Unsur. and designated as Survey No. 2620

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 not less than five hundred dollars' worth of labor has been expended or improvements made upon each of said mining claims by claimant or its grantors, and that said improvements consist of 11 cuts, 8 shafts, 5 tunnels & 5319 feet of workings, total value \$79470.00

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,

July 24, 1909.

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

Calumet & Arizona Mining Co.

, known as the

COPPER GIANT MINE, COPPER PRINCE MINE, EURECKA MINE, GLOBE MINE.

situate in BUNKER HILL mining district,

PINAL

County,

ARIZONA

in Section APPROX., Township No. 8 S., Range No. 18 E., Unsur.

, designated as Survey No. 2620

executed by F. A. Bordwell, U. S. Deputy Mineral

Surveyor, March 16-21, 1909, under my instructions dated

January 2, 1909, 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 A. Ingalls

U. S. Surveyor-General for Arizona.

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Map

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