

MINERAL SURVEY No. 3619

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

SUPERIOR AND BOSTON COPPER COMPANY.

KNOWN AS THE

MESCAL, HOUGHTON, CONCORDIA, FINIS, LIME BLUFF, DULUTH and

BERKELEY situate in the Globe

Mining District,

Gila

County, Arizona, in

Section s 11 and 14, Township 1 N., Range 15 $\frac{1}{2}$ E., G. & S.R.

B. & M.

Surveyed under ^{Amended} instructions dated October 17, 1919.

by Edwin T. Stewart

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced October 20, 1919.

Survey completed October 31, 1919.

Address of claimant's Attorneys, Morris & Malott,
Globe, Arizona.

DATES OF AMENDED LOCATIONS.

See Location Notices.

MINERAL SURVEY NO. 3619			
	M & B Desc.	Improvements	Loc. Notices
Claims	Pg. 1	Pg. 19	Pg. <u>Red</u> 11
Berkeley	9	20	5
Concordia	3	19	10
Duluth	7	20	7
Finis	10	20	3
Houghton	5	20	9
Lime Bluff	12	21	1
Mescal			

Mineral Survey No. 3619.

Berkeley. *Alh*

Beginning at Cor. No. 1, identical with N.E. Corner of the the location.

A 3 in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 1-B-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence

The quarter corner between Sections 11 and 14, T. 1 N., R. 15 1/2 E., G. & S. R. B. & M., bears S. 36° 59' W. 184.05 ft.

No other bearings available.

Thence S. 16° 40' E.

154.55 Intersect the section line between Sections 11 and 14, T. 1 N., R. 15 1/2 E., G. & S. R. B. & M., S. 89° 37' E. 155.05 ft. from the quarter corner and N. 89° 37' W. 2481.35 ft. from the section corner.

225.00 To Cor. No. 1, Finis lode, this survey.

Along line 1-4 of said Finis lode.

300.20 To N.E.E.C. monument of the location from which the discovery shaft bears S. 69° 54' W. 1468.70 ft.

A pine post, 4 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed N.E.E.C. -B-3619.

525.00 To S.W.E.C. of said Finis lode.

527.00 To center of shaft.

530.80 To Witness corner for S.W.E.C. of said Finis lode.

600.40 To Cor. No. 2, identical with S.E. Cor. of the location and Cor. No. 1, Duluth lode, this survey.

On line 4-1 of said Finis lode, N. 16° 40' W. 224.6 ft. from Cor. No. 4.

A 3 1/2 in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 2-B-3619 in the quadrant facing this claim, set 24 ins. in the ground, in concrete base.

No bearings available.

Thence S. 70° 24' W.

Along line 1-4 of said Duluth lode.

1499.00 To Cor. No.3, identical with S.W.Cor. of the location, Cor. No.4 of said Duluth lode, and Cors. 2 and 3, respectively of New-Port and Great Eastern lodes of Sur. 2297.

The post marking this corner of the New-Port and Great Eastern lodes, being badly rotted I remove it and set a 3 in. iron pipe, 4 ft. long, with iron cap divided in quadrants 24 ins. in the ground, in concrete base, and stamp the cap 2-2297-N in the quadrant facing the New-Port lode, 3-2297-G.E. in the quadrant facing the Great Eastern lode; and 3-B-3619 in the quadrant facing this claim.

A cedar tree, 10 ins. in diameter, blazed and scribed cross B.T. 3-2-2297, to which I add 3619, bears N.46° 14' E. 21.25 ft.

No other bearings available.

Thence N.16° 40' W.

Along line 2-3 of said New-Port lode.

287.00 To S.W.E.C. monument of the location, identical with N.E. E.C. of said New-Port lode.

A pine post, 4 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, with mound of stone, scribed S.W.E.C. Berk. 3619 for this claim.

568.90 To Cor. No.4, identical with N.W.Cor. of the location and Cor. No.3 of said New-Port lode.

On line 1-2, Mescal lode; this survey; N.69° 12' E. 124.2 ft. from Cor. No.2.

The post marking this corner of the New-Port lode, being badly rotted, I remove it and set a 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, 24 ins. in the ground, in concrete base, and stamp the cap 3-2297-N in the quadrant facing the New-Port lode and 4-B-3619 in the quadrant facing this claim.

A cross on diorite ledge about which is chiseled B.R.3-2297, to which I add 3619, bears N.16° 11' W. 115.9 ft. No other bearings available. Thence N.69° 12' E. Along line 2-1 of said Mescal lode. To Cor. No.1 of said Mescal lode. 652.90 To Cor. No.1 of said Mescal lode. 1079.70 Intersect the section line between Sections 11 and 14, T.1 N., R.15½ E., G. & S.R.B. & M., S.89° 28' W. 283.05 ft. from the quarter corner and N.89° 28' E. 2349.0 ft. from the section corner. To Cor. No.1, the place of beginning. 1500.90 To Cor. No.1, the place of beginning.

Duluth lode

Beginning at Cor. No.1, identical with N.E. Cor. of the location and Cor. No.2, Berkeley lode, this survey. On line 4-1, Finis lode, this survey, S.16° 40' E. 375.40 ft. from Cor. No.1. An iron pipe, with cap, previously described, to which I add 1-D-3619 in the quadrant facing this claim. The quarter corner between Sections 11 and 14, T.1 N., R.15½ E., G. & S.R.B. & M., bears N.33° 27' 20" W. 513.15 ft. Thence S.16° 40' E. Along line 1-4 of said Finis lode. To Cor. No.4 of said Finis lode and Cor. No.1, Concordia lode, this survey. Along line 1-4 of said Concordia lode. To N.E.E.C. monument of the location, from which the discovery shaft bears S.70° 24' W. 1458.0 ft. A pine post, 5 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed N.E.E.C. -D-3619. To S.W.E.C. of said Concordia lode. 524.60 To S.W.E.C. of said Concordia lode. 574.80 Intersect line 1-2, Lime Bluff lode, this survey, N.81° 24' E. 441.0 ft. from Cor. No.1. 594.20 To Cor. No.2, identical with S.E. Cor. of the location.

On line 4-1, of said Concordia lode, N.16° 40' W. 230.4 ft. from Cor. No.4.

A 3½ in. iron pipe, 4 ft. long, with iron cap, divided in quadrants, stamped 2-D-3619 in the quadrant facing the claim, set 24 ins. in the ground in concrete base. No bearings available.

Thence S.70° 24' W.

395.90 Intersect line, 3-4, Quo Vadis lode, Sur., 2297, S.42° 07' E. 56.75 ft. from Cor. 4, from which Cor., the intersection of line 4-1 of said Quo Vadis lode with line 4-1, Lime Bluff lode, this survey, bears S. 63° 48' W. 1.1 ft.

405.30 Intersect line 4-1, Lime Bluff lode, this survey, S. 34° 02' E. 106.9 ft. from Cor. No.1, and S. 34° 02' E. 54.0 ft., from the intersection of said line 4-1, Lime Bluff lode with line 4-1, Quo Vadis lode, Sur. 2297.

870.80 To, Cor. No.2, Houghton lode, this survey, from which Cor. No.1 of said Houghton lode bears N.41° 27' W. 152.80 ft., and intersect line 4-1, Quo Vadis lode, Sur. 2297, S. 63° 48' W. 456.20 ft. from Cor. No.4.

1499.00 To Cor. No.3, identical with S.W. Cor. of the location and Cor. No.2, Great Eastern lode, Sur. 2297.

The post marking this corner of the Great Eastern lode being badly rotted, I remove it and set a 3 in. iron pipe, 4 ft. long, with iron cap divided in quadrants, 24 ins. in the ground, in concrete base, and stamp the cap 2-2297-G.E. in the quadrant facing the Great Eastern lode and 3-D-3619 in the quadrant facing this claim.

A quartzite boulder, 1.5 x 1.5 x 3.5 ft., out of the ground chiseled cross B.R. 2-2297, to which I add 3619, bears N.52° 28' E. 4.75 ft.

No other bearings available.

Thence N.16° 40' W.

Along line 2-3 of said Great Eastern lode.

76.15 Intersect line 4-1, Houghton lode, this survey, S.63° 48' W. 571.25 ft. from Cor. No.1.

295.50 To S.W.E.C. monument of the location, identical with N.E. E.C. of said Great Eastern lode.

A pine post, 4 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, with mound of stone, scribed S.W.E.C.-D-3619, for this claim.

594.20 To Cor. No.4, identical with N.W. Cor. of the location, Cor. No.3, Berkeley lode, this survey, and Cors. 2 and 3, respectively of New-Port and Great Eastern lodes, both of Sur. 2297.

An iron pipe with cap, previously described, to which I add 4-D-3619, in the quadrant facing this claim.

Thence N.70° 24' E.

Along line 3-2 of said Berkeley lode.

1499.00 To Cor. No.1, the place of beginning.

Lime Bluff. *L.B.*

Beginning at Cor. No.1, identical with N.W. Cor. of the location.

A 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 1-L.B.-3619 in the quadrant facing this claim, set 24 ins. in the ground, in concrete base, whence

The quarter corner between Sections 11 and 14, T.1 N., R.15½ E., G. & S.R.B. & M., bears N.00° 38' 20" W. 1044.80 ft.

No other bearings available.

Thence N.81° 24' E.

441.00 Intersect line 1-2, Duluth lode and line 4-1, Concordia lode, both of this survey, N.16° 40' W. 19.4 ft. from Cor. No.2 of said Duluth lode and N.16° 40' W. 249.80 ft. from Cor. No.4 of said Concordia lode.

1293.60 Bed of gulch, draining southerly.

- 1499.60 To Cor. No.2, identical with N.E. Cor. of the location.
A 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 2-L.B.-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence
Cor. No.3, Concordia lode, this survey, bears S.60° 22' E. 103.1 ft.
No other bearings available.
Thence S.34° 02' E.
- 79.30 Intersect line 3-4, Concordia lode, this survey, N.71° 58' E. 1072.1 ft. from Cor. No.4.
- 300.00 To E.E.C. monument of the location from which the discovery shaft bears S.81° 24' W. 1208.60 ft.
A pine post, 4.5 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed E.E.C. -L.B.-3619.
- 600.00 To Cor. No.3, identical with S.E. Cor. of the location.
A 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 3-L.B.-3619 in the quadrant facing the claim, set 15 ins. in the ground, on bed rock, in concrete base.
No bearings available.
Thence S. 81° 24' W.
- 441.00 Bed of gulch, draining southerly.
- 1406.20 Intersect line 3-4, Quo Vadis lode, Sur. 2297, N.42° 07' W. 6.5 ft. from Cor. No.3 and S.42° 07' E. 593.0 ft. from Cor. No.4.
- 1499.60 To Cor. No.4, identical with S.W. Cor. of the location.
A 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 4-L.B.-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence

Cor. No.3, Quo Vadis lode, Sur. 2297, bears N.84° 37' E. 97.20 ft.

No other bearings available.

Thence N.34° 02' W.

300.00 To W.E.C.monument of the location.

A pine post, 5 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed W.E.C. -L.B.-3619.

493.10 Intersect line 2-3, Duluth lode, this survey, S. 70° 24' W. 405.30 ft. from Cor. No.2 and S. 70° 24' W. 9.4 ft. from the intersection of said line 2-3, Duluth lode with line 3-4, Quo Vadis lode, Sur. 2297.

547.10 Intersect line 4-1, Quo Vadis lode, Sur. 2297, S.63° 48' W. 1.1 ft. from Cor. No. 4, from which corner, the intersection of line 3-4 of said Quo Vadis lode with line 2-3, Duluth lode, this survey, bears S.42° 07' E. 56.75 ft.

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

Finis. *Lode*

Beginning at Cor. No.1, identical with N.W.Cor. of the location.

On line 1-2, Berkeley lode, this survey, S.16° 40' E. 225.0 ft. from Cor. No.1.

A 3 in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 1-F-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence

The quarter corner between Sections 11 and 14, T.1 N., R.15½ E., G.& S.R.B.& M., bears N.68° 39' W. 188.15 ft.

No other bearings available.

Thence N.71° 58' E.

213.20 Intersect the section line between Sections 11 and 14, T. 1 N., R.15½ E., G. S.R.B.& M., S.89° 37' E. 378.0 ft. from the quarter corner and N.89° 37' W. 2258.4 ft. from the section corner.

742.00 Bed of gulch, draining southeasterly.

1119.70 To Cor. No.2, identical with N.E. Cor. of the location.
 A 3½ in. iron pipe, 4 ft. long, with iron cap divided
 in quadrants, stamped 2-F-3619, in the quadrant facing
 the claim, set 24 ins. in the ground, in concrete base.
 No bearings available.

Thence S. 16° 40' E.

299.60 Intersect the section line between Sections 11 and 14,
 T.1 N., R.15½ E., G. & S.R.B. & M., S.89° 37' E. 1325.90
 ft. from the quarter corner and N.89° 37' W. 1310.50 ft.
 from the section corner.

300.00 To N.E.E.C. monument of the location from which the dis-
 covery shaft bears S.71° 58' W. 841.70 ft.

A pine post, 5 ft. long, 4 ins. sq., with nail at the
 exact point, set 18 ins. in the ground, in mound of
 stone, scribed N.E.E.C., Finis - 3619.

600.00 To Cor. No.3, identical with S.E. Cor. of the location and
 Cor. No. 2, Concordia lode, this survey.

A 3½ in. iron pipe, 4 ft. long, with iron cap divided in
 quadrants, stamped 3-F-3619 in the quadrant facing this
 claim, set 24 ins. in the ground, in concrete base.

No bearings available.

Thence S. 71° 58' W.

Along line 2-1 of said Concordia lode.

272.00 Bed of gulch, draining southeasterly.

1119.70 To Cor. No.4, identical with S.W. Cor. of the location and
 Cor. No.1 of said Concordia lode.

On line 1-2, Duluth lode, this survey, N.16° 40' W.

369.6 ft. from Cor. No.2.

~~To Cor. No.4, with~~ A 3½ in. iron pipe, 4 ft. long with iron cap
 divided in quadrants, stamped 4-F-3619 in the quadrant
 facing the claim, set 24 ins. in the ground in concrete base.
 Thence N.16° 40' W.

Along line 2-1 of said Duluth lode.

224.60 To Cor. No.1 of said Duluth lode, identical with Cor.
 No.2, Berkeley lode, this survey.

- Along line 2-1 of said Berkeley lode.
- 274.20 To Witness Cor. for S.W.E.C.
A pine post, 4 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed W.C.-S.W.E.C.-F-3619.
- 298.00 Center of shaft.
- 300.00 To S.W.E.C. Not set on account of being in shaft where it is not possible to establish a monument. Witness Cor. bears S.16° 40' E. 25.8 ft.
- 524.80 To N.E.E.C. of said Berkeley lode.
- 600.00 To Cor. No.1, the place of beginning.
Concordia. *lod*
- Beginning at Cor. No.1, identical with N.W. Cor. of the location and Cor. No.4, Finis lode, this survey.
On line 1-2, Duluth lode, this survey, S.16° 40' E. 224.60 ft. from Cor. No.1.
An iron pipe, with cap, previously described, to which I add 1-C-3619 in the quadrant facing this claim.
The quarter corner between Sections 11 and 14, T.1 N., R.15½ E., G. & S.R.B. & M., bears N.28° 21' 50" W. 731.05 ft.
Thence N.71° 58' E.
- Along line 4-3 of said Finis lode.
- 847.70 Bed of gulch, draining southeasterly.
- 1119.70 To Cor. No.2, identical with N.E. Cor. of the location and Cor. No. 3 of said Finis lode.
An iron pipe with cap, previously described, to which I add 2-C-3619 in the quadrant facing this claim.
Thence S.16° 40' E.
- 300.00 To N.E.E.C. monument of the location, from which the discovery cut bears S. 71° 58' W. 721.0 ft.
A pine post, 5 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, with mound of stone, scribed N.E.E.C.-C-3619.

- 600.0 To Cor. No.3, identical with S.E. Cor. of the location.
A 3½ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 3-C-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence
Cor. No.2, Lime Bluff lode, this survey, bears N.60° 22' W. 103.10 ft.
No other bearings available.
Thence S. 71° 58' W.
- 47.60 Intersect line 2-3, Lime Bluff lode, this survey, S.34° 02' E. 79.3 ft. from Cor. No.2.
- 286.00 Bed of gulch, draining southerly.
- 1119.70 To Cor. No.4, identical with S.W. Cor. of the location.
A 3 in. iron pipe, 4 ft. long, with iron cap divided in Quadrants, stamped 4-C-3619, in the quadrant facing the claim, set 18 ins. in the ground, in concrete base, whence
A cross on limestone in place about which is chiseled B.R. 3619 bears S.64° 12' W. 9.90 ft.
No other bearings available.
Thence N.16° 40' W.
- 230.40 To Cor. No.2, Duluth lode, this survey.
Along line 2-1 of said Duluth lode.
- 249.80 Intersect line 1-2, Lime Bluff lode, this survey, S.81° 24' W. 1058.60 ft. from Cor. No.2.
- 300.00 To S.W.E.C.monument of the location.
A pine post, 4 ft. long, 4 ins. sq., with nail at the exact point, set 24 ins. in the ground, scribed S.W.E.C. -C-3619.
- 525.90 To N.E.E.C. of said Duluth lode.
- 600.00 To Cor. No.1, the place of beginning.
Houghton. *Hd*
Beginning at Cor. No.1, identical with N.E. Cor. of the location.
A 3½ in. iron pipe, 4 ft. long, with iron cap divided

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in quadrants, stamped 1-H-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base, whence

The quarter corner between Sections 11 and 14, T.1 N., R.15 $\frac{1}{2}$ E., G. & S.R.B. & M., bears N.21° 43' 30" E. 1264.8 ft.

No other bearings available.

Thence S.41° 27' E.

68.0 To N.E.E.C. monument of the location, from which the discovery shaft bears S.63° 48' W. 944.4 ft.

A pine post, 5 ft. long, 4 ins. sq., with nail at the exact point, set 18 ins. in the ground, with mound of stone, scribed N.E.E.C. - H-3619.

152.80 To Cor. No.2, identical with S.E. Cor. of the location.

At the intersection of line 4-1, Quo Vadis lode, Sur. 2297 with line 2-3, Duluth lode, this survey, being N.70° 24' E. 628.20 ft. from Cor. No.3 of said Duluth lode.

A 3 $\frac{1}{2}$ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, stamped 2-H-3619 in the quadrant facing the claim, set 24 ins. in the ground, in concrete base. No bearings available.

Thence S. 63° 48' W.

1038.0 Intersect line 3-4, Vulcap lode, Sur. 2297, N.41° 27' W. 141.30 ft. from Cor. No.3.

1038.4 To Cor. No.3, identical with S.W. Cor. of the location and Cor. No. 1, Quo Vadis lode, Sur.2297.

The post marking this corner of the Quo Vadis lode being badly rotted, I remove it and set a 3 $\frac{1}{2}$ in. iron pipe, 4 ft. long, with iron cap divided in quadrants, 24 ins. in the ground, in concrete base, and stamp the cap 1-2297-Q.V. in the quadrant facing the Quo Vadis lode and 3-H-3619 in the quadrant facing this claim.

A cross on quartzite in place, about which is chiseled

B.R. 1-2297, to which I add 3619 for this survey, bears
N.50° 22' W. 14.90 ft.

No other bearings available.

Thence N.41° 27' W.

84.8 To S.W.E.C.monument of the location.

A pine post, 4.5 ft. long, 4 ins. sq., with nail at the
exact point, set 18 ins. in the ground, with mound of
stone, scribed S.W.E.C.-H-3619.

152.8 To Cor. No.4, identical with N.W.Cor. of the location.

On line 1-2, Great Eastern lode, Sur. 2297, S.73° 11' W.
460.7 ft. from Cor. No.2 and S. 73° 11' W. .43 ft. from
the intersection of said line 1-2, Great Eastern lode
with line 3-4, Vulcan lode, Sur. 2297.

A $3\frac{1}{2}$ in. ^{iron} pipe, 4 ft. long, with iron cap divided in
quadrants, stamped 4-H-3619 in the quadrant facing the
claim, set 24 ins. in the ground, in concrete base.

No bearings available.

Thence N.63° 48' E.

.40 Intersect line 3-4, Vulcan lode, Sur. 2297, S.41° 27' E.

304.8 ft. from Cor. No.4; N. 41° 27' W.294.1 ft. from
Cor. No.3 and N.41° 27' W. .07 ft. from the intersec-
tion of said line 3-4, Vulcan lode with line 1-2, Great
Eastern lode, Sur. 2297.

467.15 Intersect line 2-3, Great Eastern lode, Sur. 2297 and
line 3-4, Duluth lode, this survey, N.16° 40' W. 76.15
ft. from Cor. No.2 of said Great Eastern lode and Cor.
No.3 of said Duluth lode.

1038.40 To Cor. No.1, the place of beginning.

Mescal. *lode*

Beginning at Cor. No.1, identical with S.E. Cor. of the
location.

On line 4-1, Berkeley lode, this survey, S.69° 12' W.
848.0 ft. from Cor. No.1.

A $3\frac{1}{2}$ in. iron pipe, 4 ft. long, with iron cap divided
in quadrants, stamped 1-M-3619 in the quadrant facing the

claim, set 24 ins. in the ground, in concrete base,
whence

The quarter corner between sections 11 and 14, T.1 N.,
R.15 $\frac{1}{2}$ E., G. & S.R.B. & M., bears N.77° 16' E. 699.20 ft.

No other bearings available.

Thence S. 69° 12' W.

Along line 1-4, Berkeley lode, this survey.

652.90 To Cor. No.4 of said Berkeley lode, identical with Cor.
No.3, New-Port lode, Sur. 2297.

777.10 To Cor. No.2, identical with S.W.Cor. of the location.

A 3 in. iron pipe, 4 ft. long, with iron cap divided
in quadrants, stamped 2-M-3619 in the quadrant facing
the claim, set 24 ins. in the ground, in concrete base.
No bearings available.

Thence N.20° 48' W.

8.25 Intersect line 3-4, New-Port lode, Sur. 2297, S.73° 00'
W. 124.5 ft. from Cor. No.3, and intersect line 3-4,
Dewey lode, Sur. 2651, S. 49° 46' W: 492.0 ft. from
Cor. No.3.

30.00 To S.W.E.C.monument of the location, from which the dis-
covery cut and tunnel bears N.69° 12' E. 341.0 ft.
A pine post, 4.5 ft. long, 4 ins. sq., with nail at the
exact point, set 24 ins. in the ground, scribed S.W.E.C.
-M-3619.

88.90 To Cor. No.3, identical with N.W. Cor. of the location.
A 3 in. iron pipe, 4 ft. long, with iron cap divided in
quadrants, stamped 3-M-3619 in the quadrant facing the
claim, set 24 ins. in the ground, in concrete base.
No bearings available.

Thence N.69° 12' E.

485.35 To Cor. No.3, Dewey lode, Sur. 2651.

777.10 To Cor. No.4, identical with N.E. Cor. of the location.

A 3 $\frac{1}{2}$ in. iron pipe, 4 ft. long, with iron cap divided in
quadrants, stamped 4-M-3619 in the quadrant facing the
claim, set 24 ins. in the ground, in concrete base.

No bearings available.

Thence S. 20° 48' E.

58.9 To N.E.E.C.monument of the location.

A monument of stone, 3 ft. base, 3 ft. high.

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

Mean magnetic variation at all corners 14°15' E.

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Lode Lines.

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

Berkeley lode, N.69° 54' E. 1468.7 ft. and S.69°54' W. 31.0 ft.

Duluth lode, N.70° 24' E. 1458.0 ft. and S.70° 24' W. 41.0 ft.

Lime Bluff lode, N.81° 24' E. 1208.6 ft. and S.81° 24' W. 291.0 ft.

Finis lode, N.71° 58' E. 841.7 ft. and S. 71° 58' W. 278.0 ft.

Concordia lode, N.71° 58' E. 721.0 ft, and S.71° 58' W. 398.7 ft.

Houghton lode, N.63° 48' E. 944.4 ft. and S. 63° 48' W. 94.0 ft.

Mescal lode, N.69° 12' E. 436.1 ft. and S.69° 12' W. 341.0 ft.

.....

Areas.

	Acres	Acres.
Total Area Berkeley lode,		20.093 ✓
Total Area Duluth lode,		20.421 ✓
Area in conflict with:		
Quo Vadis lode, Sur.2297	0.286 ✓	
Quo Vadis lode, Sur. 2297, exclusive of the common conflict, 0.006 between said Quo Vadis lode, the Lime Bluff lode, this survey, and this claim.	0.280 ✓	
Lime Bluff lode, this survey,	0.579 ✓	
Lime Bluff lode, this survey, exclusive of the common conflict, 0.006 acres, between said Lime Bluff lode, the Quo Vadis lode, Sur.2297 and this claim,		0.573 ✓

Total Area Lime Bluff lode, 18.654 ✓
 Area in conflict with:
 Quo Vadis lode, Sur. 2297, 0.537 ✓
~~Quo Vadis lode, Sur. 2297, exclu-~~
~~sive of the common conflict, 0.006~~
~~acres, between said Quo Vadis lode,~~
~~the Duluth lode, this survey, and~~
~~this claim, 0.531 ✓~~

Total Area Finis lode, 15.418 ✓
 Total Area Concordia lode, 15.418 ✓
 Area in conflict with Lime Bluff
 lode, this survey, 3.943 ✓

Total Area Houghton lode, 3.514 ✓
 Area in conflict with:
 Vulcan lode, Sur. 2297, 0.001 ✓
 Vulcan lode, Sur. 2297, exclusive
 of the nominal common conflict be-
 tween said Vulcan lode, the Great
 Eastern lode, Sur. 2297, and this
 claim, 0.001 ✓
 Great Eastern lode, Sur. 2297, 0.403 ✓
 Great Eastern lode, Sur. 2297, exclu-
 sive of the nominal common conflict
 between said Great Eastern lode, the
 Vulcan lode, Sur. 2297, and this
 claim, 0.403 ✓
 Duluth lode, this survey, 1.515 ✓

Total Area Mescal lode, 1.586 ✓
 Area in conflict with:
 New-Port lode, Sur. 2297, 0.012 ✓
 Dewey lode, Sur. 2651, 0.449 ✓

.....
 Location.

This survey is located in Sections 11 and 14, T.1 N.,
 R.15½ E., G. & S.R.B. & M., Globe Mining District, Gila
 County, Arizona.

.....

Adjoining and Conflicting Claims.

The Dewey lode, Sur. 2651; and the Sliver and Defender
 lodes, unsurveyed, owned by the claimant of the claims in
 this survey; and the Riverside lode, unsurveyed, owned
 unknown, on the north. Unknown claims, owned by Roy
 Tucker, on the east. The Alameda lode, unsurveyed; and the
 Quo Vadis lode, Sur. 2297, owned by the claimant of the
 claims in this survey, on the south; The Vulcan, Great
 Eastern and New-Port lodes, Sur. 2297, owned by the claim-
 ant of the claims in this survey, on the west.

.....

Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements,
 made upon or for the benefit of, the claims in this survey,

by the claimant, or its grantors, is not less than Five hundred dollars, and that said improvements consist of;

. Common Improvement.

The claims in this survey are being developed and mined from levels run from a shaft, improvement No.2 on the Copper Money lode, Sur. 2651, now owned by the claimant of the claims in this survey.

This shaft and the workings from it are a common improvement through which the M.C., Total Eclipse, Hobson, Copper Money, Dewey and Dewey No.1 lodes, Survey No.2651; the New-Port, Great Eastern, Wedge, Cave, Vulcan, Limestone, Que Vadis, Iron King, Low Land, Denver, Boston, Black Oxide, Japan, Oregon, Highland, Copper Era, Mountain Key, Valley View and Annie Laure lodes, Sur. 2297, and the Sliver, Defender and Alameda lodes, unsurveyed, owned by the claimant, as well as the claims in this survey, are being developed and mined. The shaft has been extended to a depth well below the surface of all the claims of the claimant, and the development and mining of the entire group from it, and ~~the~~ the drifts and cross-cuts, is not only feasible, but advantageous. The value thereof, \$200,060.00 is therefore, distributed equally between the claims, 1/35th being credited to each.

The shaft is vertical, 7 x 20 x 1378 feet deep, timbered throughout, and the center of the southeast side bears N.80° 04' W. 1171.0 ft. from Cor. No.3 of the Berkeley lode. Value \$105,000.00.

At a depth of 425 feet below the collar of shaft, a level consisting of 637.5 ft. of crosscutting, 5 x 7 ft., extends from the northwest side of shaft, N.34° 06' W., 300 ft. And, from the southeast side of shaft, S.34° 06' E. 5.0 ft.; thence S. 25° 26' E. 13.9 ft.; thence S.17° 01' W. 22.8 ft.; thence S.43° 42' W. 31.1 ft.; thence S. 18° 13' W. 79.7 ft.; thence S. 12° 59' W. 185.0 ft. to face. Value \$6,360.00.

At a depth of 811 feet below the collar of shaft, a level consisting of 2481.1 ft. of drifting and cross-cutting, 6 x 8 ft., partially timbered, extends from the southeast side of shaft S. $19^{\circ} 28'$ E. 29.30 ft. to pt.1; thence S. $15^{\circ} 34'$ W. 131.33 ft. to pt.2; thence S. $20^{\circ} 21'$ E. 16.37 ft. to pt.3; thence S. $38^{\circ} 45'$ E. 73.61 ft. to pt.4; thence S. $71^{\circ} 08'$ E. 69.16 ft. to pt.5; thence S. $64^{\circ} 47'$ E. 70.55 ft. to pt.6; thence S. $71^{\circ} 14'$ E. 34.88 ft. to pt.7; thence S. $56^{\circ} 06'$ E. 80.91 ft. to pt.8; thence S. $13^{\circ} 10'$ E. 30.65 ft. to pt.9; thence S. $43^{\circ} 15'$ E. 24.49 ft. to pt.10; thence S. $65^{\circ} 27'$ E. 32.78 ft. to pt.11; thence N. $31^{\circ} 46'$ E. 32.75 ft. to pt.12; thence N. $76^{\circ} 34'$ E. 18.05 ft. to pt.13; thence S. $37^{\circ} 29'$ E. 41.46 ft. to pt.14; thence N. $78^{\circ} 51'$ E. 32.61 ft. to pt.15; thence N. $41^{\circ} 35'$ E. 17.17 ft. to pt.16; thence N. $79^{\circ} 45'$ E. 24.15 ft. to pt.17; thence N. $53^{\circ} 45'$ E. 62.76 ft. to pt.18; thence N. $71^{\circ} 52'$ E. 34.16 ft. to pt.19; thence N. $64^{\circ} 49'$ E. 24.84 ft. to pt.20; thence N. $62^{\circ} 59'$ E. 30.46 ft. to pt.21; thence N. $67^{\circ} 42'$ E. 25.71 ft. to pt.22; thence N. $52^{\circ} 04'$ E. 29.18 ft. to pt.23; thence N. $59^{\circ} 36'$ E. 54.63 ft. to pt.24; thence N. $60^{\circ} 39'$ E. 29.52 ft. to pt.25; thence N. $68^{\circ} 14'$ E. 30.75 ft. to pt.26; thence N. $57^{\circ} 55'$ E. 44.50 ft. to pt.27; thence S. $57^{\circ} 54'$ E. 32.00 ft. to pt.28; thence N. $86^{\circ} 50'$ E. 29.61 ft. to pt.29; thence N. $77^{\circ} 46'$ E. 41.88 ft. to pt.30; thence N. $43^{\circ} 37'$ E. 44.20 ft. to pt.31; thence N. $71^{\circ} 44'$ E. 109.00 ft. to pt.32; thence N. $71^{\circ} 43'$ E. 82.94 ft. to pt.33; thence N. $71^{\circ} 09'$ E. 78.71 ft. to pt.34; thence N. $71^{\circ} 06'$ E. 106.49 ft. to pt.35; thence N. $82^{\circ} 32'$ E. 28.03 ft. to pt.36; thence S. $48^{\circ} 41'$ E. 85.74 ft. to pt.37; thence S. $47^{\circ} 18'$ E. 84.85 ft. to pt.38; thence N. $66^{\circ} 00'$ E. 73.23 ft. to pt.39; thence N. $11^{\circ} 37'$ E. 22.14 ft. to pt.40; thence N. $07^{\circ} 17'$ W. 29.29 ft. to pt.41; thence N. $22^{\circ} 46'$ E. 25.72 ft. to pt.42; thence N. $67^{\circ} 33'$ E. 42.29 ft. to pt.43; thence N. $89^{\circ} 37'$ E. 29.39 ft. to pt.44; thence N. $37^{\circ} 19'$ E. 34.43 to

pt. 45; thence N.89° 37' E. 32.45 ft. to pt. 46;
 thence N.52° 12' E. 26.03 ft. to pt. 47; thence N.82°
 34' E. 32.55 ft. to pt. 48; thence N.63° 52' E. 34.70 ft.
 to pt. 49; thence N.65° 52' E. 51.80 ft. to pt. 50; thence
 S. 47° 35' E. 75.35 ft. to pt. 51; thence N.53° 19' E.
 31.75 ft. to pt. 52; thence N.71° 31' E. 41.6 ft. to pt.
 53; thence N.64° 37' E. 45.2 ft. to face. Value \$42,000.00.

At a depth of 971 feet below the collar of the shaft,
 a level consisting of 2747.1 ft. of drifting and cross-
 cutting, 6 x 8 ft., partially timbered, extends from the
 southeast side of the shaft S.28° 20' E. 56.2 ft. to pt.1;
 thence S.57° 33' E. 110.11 ft. to pt. 2; thence N.87° 15'
 E. 64.99 ft. to pt.3; thence N.77° 56' E. 33.34 ft. to pt.
 4; thence S.55° 59' E. 29.89 ft. to pt. 5; thence S.38°
 37' E. 23.98 ft. to pt. 6; thence S.62° 40' E. 144.34 ft.
 to pt. 7; thence N.55° 24' E. 47.13 ft. to pt.8; thence
 N.29° 48' E. 39.06 ft. to pt.9; thence N.42° 48' E. 23.48
 ft. to pt.10; thence N.07° 38' E. 26.21 ft. to pt.11;
 thence N.73° 35' E. 43.00 ft. to pt.12; thence N.22° 55'
 W. 11.15 ft. to pt.13; thence N.62° 23' E. 37.00 ft. to
 pt.14; thence N.86° 53' E. 26.47 ft. to pt.15; thence
 N.43° 47' E. 64.95 ft. to pt.16; thence N.77° 29' E.
 106.30 ft. to pt.17; thence N.77° 24' E. 187.47 ft. to pt.
 18; thence N.77° 23' E. 66.78 ft. to pt.19; thence N.74°
 36' E. 84.16 ft. to pt. 20; thence N.77° 36' E. 87.92 ft.
 to pt.21; thence S.88° 06' E. 28.93 ft. to pt. 22; thence
 N.77° 53' E. 85.75 ft. to pt. 23; thence N.73° 04' E.
 18.51 ft. to pt.24; thence N.77° 34' E. 189.30 ft. to pt.
 25; thence N.88° 26' E. 19.56 ft. to Pt. 26; thence S.
 48° 47' E. 30.93 ft. to pt. 27; thence N.71° 08' E. 80.10
 ft. to pt. 28; thence N.83° 33' E. 112.08 ft. to pt. 29;
 thence N.54° 10' E. 11.32 ft. to pt. 30; thence N.79° 25'
 E. 26.94 ft. to pt. 31; thence S. 75° 32' E. 68.45 ft. to
 pt. 32; thence S.23° 52' E. 25.50 ft. to pt. 33; thence
 S. 32° 54' E. 37.40 ft. to pt. 34; thence N.72° 44' E.

49.93 ft. to pt. 35; thence N.67° 44' E. 34.30 ft. to pt. 36; thence N.73° 53' E. 40.20 ft. to pt.37; thence N.67° 18' E. 68.30 ft. to pt. 38; thence N.46° 36' E. 28.95 ft. to pt. 39; thence N.69° 24' E. 162.74 ft. to pt. 40; thence N.64° 54' E. 81.28 ft. to pt. 41; thence N.59° 10' E. 83.70 ft. to pt. 42; thence N.54° 10' E. 149.0 ft. to face. Value \$46,700.00.

Berkeley.

No.1, the discovery, shaft, 9 x 11 x 3 ft. (caved), the center of which is on the lode line 31.0 ft. from the S.W.E.C. Value \$40.00.

No.2, shaft, 12 x 13 x 3.5 ft., (caved) the center of which bears S.37° 07' E. 126.5 ft. from a point on line 4-1, 223.0 ft. from Cor. 4. Value \$40.00.

No.3, shaft, 6 x 11 x 56 ft., partially timbered, the center of which bears N.16° 40' W. 73.4 ft. from Cor. No.2. Value \$1100.00.

This shaft being located partially on this claim and partially on the Finis lode of this survey, the value thereof is distributed equally between these two claims, \$550.00 being credited to each.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

Duluth.

No.1, the discovery, shaft, 8 x 9 x 4.5 ft., (caved) the S.W.Cor. of which is on the lode line, 41.0 ft. from the S.W.E.C. Value \$40.00.

No.2, shaft, 10 x 10 x 11 ft. (caved) the center of which bears S.72° 01' W. 558.4 ft. from the N.E.E.C. Value \$150.00.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

Lime Bluff.

No.1, the discovery, shaft, 5 x 7 x 7 ft., the N.W. Cor. of which is on the lode line 291.0 ft. from the W.E.C. Value \$40.00.

No.2, shaft, 6 x 11 x 63 ft., partially timbered, the N.E. Cor. of which bears S.65° 34' E. 92.3 ft. from Cor. No.1. Value \$1200.00.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

Finis.

No.1, the discovery, shaft, 4 x 6 x 8 ft., the center of which is on the lode line 278.0 ft. from the S.W.E.C. Value \$40.00.

No.2, shaft, 9 x 10 x 5 ft., (caved) the center of which bears N.28° 06' E. 403.2 ft. from Cor. No.4. Value \$40.00.

No.3, shaft, 6 x 8 x 4 ft., (caved), the center of which bears N.29° 30' E. 395.5 ft. from Cor. No.4. Value \$40.00.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

1/2 of the value of Improvement No.3 on the Berkeley lode which is credited to this claim. Value \$550.00.

Concordia.

No.1, the discovery, cut, 4 x 10 x 13 ft., the N.W. Cor. of which is on the lode line 398.7 ft. from the S.W.E.C. and which extends thence S.43° W. to toe. Value \$35.00.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

Houghton.

No.1, the discovery, shaft, 10 x 11 x 5 ft., (caved) the center of which is on the lode line 94.0 ft. from the S.W.E.C. Value \$45.00.

1/35th of the common improvement which is credited to this claim. Value \$ 5716.00.

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Mescal.

No.1, the discovery, 41 ft. of cut and tunnel, 4 x 6 ft., which is intersected by the lode line 341.0 ft. from the S.W.E.C., and which extends thence N.71° W. 10.0 ft. to toe of cut and S. 71° E. 31.0 ft. to face of tunnel. Value \$360.00.

1/35th of the common improvement which is credited to this claim. Value \$5716.00.

Other Improvements.

A shaft, 4.5 x 6 x 57 ft., the N.W. Cor. of which bears S.30° 30' W. 71.0 ft. from a point on line 3-4 of the Mescal lode, 485.35 ft. from Cor. No.3. The value of this improvement is not credited to the Mescal lode on account of its not having been made by the claimant or its grantors.

Instrument and Determination of Meridian.

This survey was made with a 6 $\frac{1}{4}$ inch Berger Engineer's Transit. The courses were deflected from the true meridian as determined by direct Solar observation, verified by Polaris observation. The distances were measured with a 660 ft. steel tape.

Report.

The side and end lines of the claims and all local tie lines were measured direct upon the ground. The tie from Cor. No.1 of the Finis lode to the quarter corner between Sections 11 and 14, T.1 N., R.15 $\frac{1}{2}$ E., was made direct upon the ground, N.68° 39' W. 188.15 ft. from said corner, and all other ties to the quarter corner were computed through the lines of the survey. That part of the section line between said sections 11 and 14 from the quarter corner to the S.W. and N.W. corner of said sections, respectively, was taped direct upon the ground, S.89° 28' W. 2632.05 ft. And that part of said section line between the quarter corner and the S.E. and N.E.

corner of said sections, respectively, was computed through the tie line from Cor. No.1 of the Finis lode to said quarter corner, the claim lines of said Finis lode, and a tie line run N.77° 09' E. 1255.8 ft. from Cor. No.3 of said Finis lode to the section corner.

The S.E. and N.E. Cor. of said sections 11 and 14, respectively, is a quartzite stone, showing 7 x 8 x 12 ins. out of the ground, chiseled one groove and 15½ E on the E. face and four grooves on the S. face, with mound of stone alongside. The quarter corner between said sections is a quartzite stone showing 8 x 10 x 12 ins. out of the ground, chiseled 1/4 on the N. face, with mound of stone alongside. The S.W. and N.W. Cor. of said sections is a diorite stone, showing 7 x 8 x 12 ins. out of the ground, chiseled two grooves and 15½ E on the E. face, four grooves on the S. face and 1 N. on the N. face.

Sur. 2297, New-Port, Great Eastern, Vulcan and Quo Vadis lodes:

Cors. Nos. 2 and 3 of said New-Port lode and Cors. 2 and 3 of said Great Eastern lode and Cor. No. 1 of said Quo Vadis lode were 4 x 4 posts properly set and scribed, but on account of having rotted to such an extent that they were no longer good substantial monuments, I removed them and set the iron pipe and concrete monuments described in these notes. Cor. No. 4 of said New-Port lode, Cor. No. 1 of said Great Eastern lode, Cors. 3 and 4 of said Vulcan lode and Cor. No. 3 of said Quo Vadis lode are 4 x 4 posts properly set and scribed. Cor. No. 4 of said Quo Vadis lode has been removed, and I reestablished the position of this corner in the old post hole and verified same by the tie to the bearing rock set for it. I find the bearing of line 3-4 of said New-Port lode correct as approved. The disagreement between these notes and lines 2-3, New-Port lode, 1-2-3, Great Eastern lode, 3-4, Vulcan lode and lines 3-4-1, Quo Vadis lode, is due to errors in Sur. 2297.

Corners 3 and 4, Dewey lode, Sur.2651 are 4 x 4 posts properly set and scribed. I find the bearing of line 3-4 of said Dewey lode correct as approved.

The disagreement between these notes and the location notices is due to errors in the notices.

Globe, Arizona, December 13th, 1919.

Edwin P. Stewart
United States Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edwin T. Stewart

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

Superior and Boston Copper Company

known as the Mescal, Houghton, Concordia, Finis, Lime Bluff, Duluth and Berkeley

and showing the respective capacities in which they acted.

Rudolph Wolf, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~, I, Rudolph Wolf

~~and~~, do solemnly swear that ~~we~~ ^I assisted

Edwin T. Stewart, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Superior and Boston Copper Company

known as the Mescal, Houghton, Concordia, Finis, Lime Bluff, Duluth and Berkeley,

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.

Rudolph Wolf, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 12th

day of December, 1919.

My Commission Expires
February 12, 1923.

S. B. Filand

Notary Public, Gila County,
Arizona.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edwin T. Stewart, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of ^{amended} instructions received from the United States
Surveyor General for Arizona, dated
October 20, 1919, 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 Superior and Boston Copper Company
, known as the
Mescal, Houghton, Concordia, Finis, Lime Bluff, Duluth and
Berkeley
situate in Globe Mining District,
Gila County, Arizona, in Section 11 and 14, Township No. 1 N., Range No. 15 1/2 E., G. & S. R. B. & M.,
and designated as Survey No. 3619, 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. *except the portion of common improvement*
shown in Sec 11 - 2651
shown in Sec 14 - 2651

Edwin T. Stewart
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edwin T. Stewart
U. S. Mineral Surveyor, before me L. B. Feland, a Notary Public.
this 12th
day of December, 1919.
My Commission Expires February 12, 1923.
L. B. Feland

Notary Public, Gila County,
Arizona.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

April 6, 1920, 191

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 Superior and Boston Copper Company

known as the Mescal, Houghton, Concordia, Finis, Lime Bluff, Duluth, and Berkeley Lodes situate in Globe

Mining District, Gila County, Arizona.

in Section 11 and 14, Township No. 1 N., Range No. 15 1/2 E., G. & S. R., and M. designated as Survey No. 3619

has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or its grantors, and that said improvements consist of 11 shafts, 2 cuts, 1 tunnel & 7/35 interest in common improvement. Value \$43,182.00

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 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,

April 6, 1920, 191

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 Superior and Boston Copper Company

known as the Mescal, Houghton, Concordia, Finis, Lime Bluff, Duluth, and Berkeley Lodes.

situate in Globe mining district, Gila County, Arizona

in Section 11 and 14, Township No. 1 N., Range No. 15 1/2 E., G. & S.R.B. & M., designated as Survey No. 3619

executed by Edwin T. Stewart, U. S. Mineral Surveyor, October 20-31, 1919, under my amended instructions dated

October 17, 1919, have been critically examined and the necessary corrections 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.