

May 4, 1929

MINERAL SURVEY No. 4095

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MAGMA COPPER COMPANY

Known As The

Elm No.1, Elm, Hard Rock No.10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No.12, Aldridge, Hard Rock No.8, Hard Rock No.9, Windsor, Golden Eagle, Sacramento and Rain Cloud mill sites

Pioneer

Mining District,

Pinal

County, Arizona

34 and 35

1 S.

Section 3

3

Township

2 S.

Range 12 E.,

Surveyed under instructions dated February 25, 19 29.

by Edwin T. Stewart

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced March 1, 19 29.

Survey completed March 15, 19 29.

Address of claimant's attorneys Rice & Mathews, Globe, Arizona.

DATES OF AMENDED LOCATIONS.

Feet

SURVEY NO. 4095.

Elm No. 1 Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, Elm mill site, this survey.

On the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M., and line 1-2 Rail Cloud mill site, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-E.1-4095 in the quarter facing this claim, nailed on top, set 21 ins. in the ground, whence The southeast corner of Elm No. 1 lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.85°-43'-50" E.6971.2.ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G. & S.R.M., bears N. 89°-53'W. 1180.4 ft.

No other bearings available

Thence North.

Along line 4-3 of said Elm mill site.

95.00 Center of earth dam, 10 ft. wide, courses northwesterly.

511.00 Edge of pond.

1303.50 Center of standard gauge rail road, course northeasterly.

1922.3 Center of standard gauge rail road, course northwesterly.

1981.40 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3 of said Elm mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-E.1-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

109.70 To Cor. No. 3, identical with N.E. Cor. of the location.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 3-E.1-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence

A diabase stone, 3 x 11 x 13 ins. out of the ground, chiseled cross B.R. 4095 bears N.08°-39'W. 48.52 ft.

No other bearings available.

Thence South.

- 138.00 Center of standard gauge railroad, course northwesterly.  
 549.75 Center of standard gauge railroad, course northeasterly.  
 1626.80 Edge of pond.  
 1929.60 Center of earth dam, 10 ft. wide, course northwesterly.  
 1981.60 To Cor. No. 4, identical with S.E. Cor. of the location.

On line 1-2, Rain Cloud mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M., N.89°-53'W. 100.2 ft. from Cor. No. 2 of said Rain Cloud mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 4-E.1-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence

A dacite stone, 5 x 9 x 18 ins. out of the ground, chiseled cross B.R. 4095, bears S. 39°-22'E. 14.89 ft.

No other bearings available.

Thence N.89°-53'W.

Along said township line and line 2-1 of said Rain Cloud mill site.

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

Elm Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, Hard Rock No. 10 mill site, this survey.

On line 1-2, Rain Cloud mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.,

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-E.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence  
 The N.E. Cor. of the Elm lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N. 85°-48'E. 7080.6 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R.M., bears N.89°-53'W. 1070.7 ft.

A quartzite stone, 3 x 9 x 9 ins. out of the ground,  
 chiseled cross B.R. 4095, bears N.75°-56'E. 22.14 ft.  
 No other bearings available.

Thence North.

Along line 4-3 of said Hard Rock No. 10 mill site.

144.55 Center of earth dam, 10 ft. wide, course northwesterly.

336.50 Edge of pond.

419.00 Edge of pond.

470.00 Edge of pond.

1175.10 Center of standard gauge railroad, course northeasterly.

1973.90 To Witness corner for Cor. No. 2, identical with witness  
 corner for Cor. No. 3 of said Hard Rock No. 10 mill site.  
 A redwood post, 3.5 ft. long, 4 ins. sq., with copper  
 plate stamped Wit. Cor.2-E.-4095 for this claim, nailed  
 on top, set 20 ins. in the ground.

1981.15 To Cor. No. 2, identical with point for N.W. Cor. of the  
 location and Cor. No. 3 of said Hard Rock No. 10 mill site.  
 Corner not set on account of falling on railroad track.  
 Course of track northwesterly.

A limestone showing 5 x 9 x 12 ins. out of bank of rail-  
 road cut bears S.64°-02'W. 10.78 ft.  
 Witness Cor. bears South 7.25 ft.  
 No other bearings available.

Thence East.

5.00 Center of standard gauge railroad, course northwesterly.

109.70 To Cor. No. 3, identical with N.E. Cor. of the location  
 and Cor. No. 2, Elm No. 1 mill site, this survey.  
 A redwood post, previously described, with copper plate  
 stamped 3-E.-4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said Elm No. 1 mill site.

59.10 Center of standard gauge railroad, course northwesterly.

677.90 Center of standard gauge railroad, course northeasterly.

1470.40 Edge of pond.

1886.40 Center of earth dam, 10 ft. wide, course northwesterly.

1981.40 To Cor. No. 4, identical with S.E. Cor. of the location

- and Cor. No. 1 of said Elm No. 1 mill site.
- On line 1-2, Rain Cloud mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.
- A redwood post, previously described, with copper plate stamped 4-E.-4095 in the quarter facing this claim.
- Thence N.89°-53'W.
- Along said township line and line 2-1 of said Rain Cloud mill site.
- 109.70 To Cor. No. 1, the place of beginning.
- Hard Rock No. 10 Mill Site.
- Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4 San Francisco mill site, this survey.
- On line 1-2, Rain Cloud mill site, this survey and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.
- A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-H.R.10-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence The N.W. Cor. of the Hard Rock No. 10 lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.75°-35'-30"E. 6529.6 ft.
- Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R.M., bears N.89°-53'W. 961.0 ft.
- No other bearings available.
- Thence North.
- Along line 4-3 of said San Francisco mill site.
- 190.65 Center of earth dam, 10 ft. wide, course northwesterly.
- 392.60 Edge of pond.
- 1046.75 Center of standard gauge railroad, course northeasterly.
- 1080.85 Center of standard gauge railroad, course northeasterly.
- 1980.95 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3 of said San Francisco mill site.
- A redwood post, 3.5 ft. long, 4 ins. sq., with copper

plate stamped 2-H.R. 10-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

109.70 point for  
To Cor. No. 3, identical with point for N.E. Cor. of the location and Cor. No. 2, Elm mill site, this survey.

Corner not set on account of falling on railroad track.

Witness corner bears South 7.25 ft.

Thence South.

From true point for Cor.  
Along line 2-1 of said Elm mill site.

7.25 To witness corner for Cor. No. 3, identical with witness corner for Cor. No. 2 of said Elm mill site.

A redwood post, previously described, with copper plate stamped Wit.Cor.3-H.R.10-4095 for this claim.

806.05 Center of standard gauge railroad, course northeasterly.

1511.15 Edge of pond.

1562.15 Edge of pond.

1644.65 Edge of pond.

1836.60 Center of earth dam, 10 ft. wide, course northwesterly.

1981.15 To Cor. No. 4, identical with S.E. Cor. of the location and Cor. No. 1 of said Elm mill site.

On line 1-2, Rain Cloud mill site, this survey and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate stamped 4-H.R.10-4095 in the quarter facing this claim.

Thence N.89°-53'W.

Along said township line and line 2-1 of said Rain Cloud mill site.

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

San Francisco Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cors. 1, 2 and 4, respectively, of Rain Cloud, Sacramento and Queen Fraction mill sites, this survey.

On the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-S.F.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence Cor. No. 3, San Francisco lode, Sur. 2930A, the lode claim in conjunction with which this mill site is held, bears N.29°-19'-50"E, 4665.0 ft.

Angle point No. 1, Section 35, T. 1 S., R. 12 E., G.&S.R.M., bears N.89°-53'W. 851.3 ft.

A limestone, 12 x 24 ins., flush with the ground, chiseled cross B.R.. 4095, bears N.89°-53'W. 5.35 ft.

No other bearings available.

Thence North.

Along line 4-3, of said Queen Fraction mill site.

- 373.00 Edge of pond.
- 442.60 Edge of pond.
- 918.10 Center of standard gauge railroad, course northeasterly.
- 1030.20 Center of standard gauge railroad, course northeasterly.
- 1980.70 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3 of said Queen Fraction mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-S.F.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

- 109.70 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 2, Hard Rock No. 10 mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-S.F.-4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said Hard Rock No. 10 mill site.

- 900.10 Center of standard gauge railroad, course northeasterly.
- 934.20 Center of standard gauge railroad, course northeasterly.
- 1588.35 Edge of pond.

1790.30 Center of earth dam, 10 ft. wide, course northwesterly.

1980.95 To Cor. No. 4, identical with E.E. Cor. of the location and Cor. No. 1, of said Hard Rock No. 10 mill site.

On line 1-2, Rain Cloud mill site, this survey and the township line between sections 35 and 3, T's 1 and 2 S., R. 12E., G.&S.R.M.

A redwood post, previously described, with copper plate stamped 4-S.F.-4095 in the quarter facing this claim.

Thence N.89°-53'W.

Along said township line and line 2-1 of said Rain Cloud mill site.

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

Queen Fraction Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, Oversight mill site, this survey.

On line 1-2, Sacramento mill site, this survey and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G.&S.R.M.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-Q.F.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 1, Queen Fraction lode, Sur. 2930A., the lode claim in conjunction with which this mill site is held, bears N.30°-29'-30"E. 4719.5 ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G.&S.R.M., bears N.89°-53'W. 741.6 ft.

No other bearings available.

Thence North.

Along line 4-3 of said Oversight mill site.

778.50 Center of standard gauge railroad, course northeasterly.

1011.70 Center of standard gauge railroad, course easterly.

1938.95 To witness corner for Cor. No. 2, identical with witness Cor. for Cor. No. 3 of said Oversight mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped Wit.Cor.2-Q.F.-4095 for this claim, nailed

on top, set 20 ins. in the ground.

1980.50 To Cor. No. 2, identical with point for N.W. Cor. of the location and Cor. No. 3 of said Oversight mill site.

Corner not set on account of falling on railroad. Course of railroad northeasterly.

Witness corner bears South 41.55 ft.

No other bearings available.

Thence East.

109.70 To Cor. No. 3, identical with N.E. Cor of the location and Cor. No. 2, San Francisco mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-Q.F.-4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said San Francisco mill site.

950.50 Center of standard gauge railroad, course northeasterly.

1062.60 Center of standard gauge railroad, course northeasterly.

1538.10 Edge of pond.

1607.70 Edge of pond.

1980.70 To Cor. No. 4, identical with S.E. Cor. of the location and Cors. 1, 2 and 1, respectively, of San Francisco, Sacramento and Rain Cloud, millsites, this survey.

On the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G.&S.R.M.

A redwood post, previously described, with copper plate stamped 4-Q.F.-4095 in the quarter facing this claim.

Thence N.89°-56'W.

Along line 2-1 of said Sacramento mill site and said township line,

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

Oversight Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, New Calumet mill site, this survey.

On line 1-2, Sacramento mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S.,

R. 12 E., G. & S. R. M.

A redwood post, 3.5 ft. long 4 ins. sq., with copper plate stamped 1-0.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 1, Oversight lode, Sur. 2930A., the lode claim in conjunction with which this mill site is held, bears N. 32°-51'E. 5562.1 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R. M., bears N. 89°-53'W. 631.9 ft.

No other bearings available.

Thence North.

Along line 4-3 of said New Calumet mill site.

528.45 Center of standard gauge railroad, course northeasterly.

536.45 Center of standard gauge railroad, course northeasterly.

1001.95 Center of standard gauge railroad, course easterly.

1923.15 Center of standard gauge railroad, course northeasterly.

1980.25 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3, of said New Calumet mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-0.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

103.00 Center of standard gauge railroad, course northeasterly.

point for

109.70 To Cor. No. 3, identical with point for N.E. Cor. of the location and Cor. No. 2, Queen Fraction mill site, this survey.

Corner not set on account of falling on railroad. Course of railroad northeasterly.

Witness corner bears South 41.55 ft.

Thence South.

Along line 2-1 of said Queen Fraction mill site.

41.55 To witness corner for corner No. 3, identical with witness corner for Cor. No. 2 of said Queen Fraction mill site.

A redwood post, previously described, with copper plate stamped Wit. Cor. 3-0.-4095 for this claim.

968.80 Center of standard gauge railroad, course easterly.

1202.00 Center of standard gauge railroad, course northeasterly.

1980.50 To Cor. No. 4, identical with S.E. Cor. of the location and Cor. No. 1 of said Queen Fraction mill site.

On line 1-2, Sacramento mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate stamped 4-0.-4095 in the quarter facing this claim.

Thence N. 89°-53' W.

Along line 2-1 of said Sacramento mill site and said township line.

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

New Calumet Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 5, Excelsior mill site, this survey.

On line 1-2, Sacramento mill site, this survey and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-N.C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 2, New Calumet lode; Sur. 2860, the lode claim in conjunction with which this mill site is held, bears N. 85°-33'-10" E. 5752.8 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R.M., bears N. 89°-53' W. 522.2 ft.

No other bearings available.

Thence North.

Along line 5-4 of said Excelsior mill site.

268.70 Center of standard gauge railroad, course northeasterly.

140.05 Road, course northwesterly.

375.50 Center of standard gauge railroad, course northeasterly.

11.

- 968.75 Center of standard gauge railroad, course northeasterly.
- 973.45 Center of standard gauge railroad, course northeasterly.
- 1490.75 Center of standard gauge railroad, course northeasterly.
- 1807.25 Center of standard gauge railroad, course northeasterly.
- 1980.05 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 4 of said Excelsior mill site.
- A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-N.C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence
- A quartzite stone, 7 x 18 ins., flush with the ground, chiseled cross B.R. 4095, bears N.86°-30'W. 24.55 ft.
- No other bearings available.
- Thence East.
- 109.70 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 2, Oversight mill site, this survey.
- A redwood post, previously described, with copper plate stamped 3-N.C.-4095 for this claim.
- Thence South.
- Along line 2-1 of said Oversight mill site.
- 57.10 Center of standard gauge railroad, course northeasterly.
- 978.30 Center of standard gauge railroad, course easterly.
- 1443.80 Center of standard gauge railroad, course northeasterly.
- 1451.80 Center of standard gauge railroad, course northeasterly.
- 1980.25 To Cor. No. 4, identical with S.E. Cor. of the location and Cor. No. 1 of said Oversight mill site.
- On line 1-2, Sacramento mill site, this survey, and the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.
- A redwood post, previously described, with copper plate stamped 4-N.C.-4095 in the quarter facing this claim.
- Thence N.89°-53'W.
- Along line 2-1 of said Sacramento mill site and said township line.
- 76.20 Road, course northwesterly.
- 109.70 To Cor. No. 1, the place of beginning.
- Excelsior Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 1, Sacramento mill site, this survey.

At the intersection of line 2-3, Golden Eagle mill site, this survey, with the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-E.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 3, Excelsior lode, Sur. 2860, the lode claim in conjunction with which this mill site is held, bears  $N.85^{\circ}38'20''E.$  5862.0 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S.R.M., bears  $N.89^{\circ}53'W.$  412.7 ft.

A quartzite stone, 12 x 24 ins., flush with the ground, chiseled cross B.R. 4095, bears  $N.0^{\circ}02'W.$  11.29 ft.

No other bearings available.

Thence  $N.0^{\circ}02'W.$

Along line 3-2 of said Golden Eagle mill site.

.27.00 To Cor. No. 2, identical with monument of the location and Cors. 2 and 4, respectively, of Golden Eagle and Gold Crown mill sites, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-E.-4095 in the half facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence North.

Along line 4-3 of said Gold Crown mill site.

44.20 Center of standard gauge railroad, course northeasterly.

124.00 Road, course northwesterly.

274.30 Center of standard gauge railroad, course northeasterly.

516.00 Road, course northeasterly.

673.50 Road, course northwesterly.

860.80 Center of standard gauge railroad, course northeasterly.

877.70 Center of standard gauge railroad, course northeasterly.

912.70 Center of standard gauge railroad, course northeasterly.

1261.80 Center of standard gauge railroad, course northeasterly.  
 1285.50 Center of standard gauge railroad, course northeasterly.  
 1603.60 Center of standard gauge railroad, course northeasterly.  
 1952.80 To Cor. No. 3, identical with N.W. Cor. of the location  
 and Cor. No. 3 of said Gold Crown mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper  
 plate stamped 3-E.-4095 in the quarter facing this claim,  
 nailed on top, set 18 ins. in the ground.

No bearings available.

Thence East.

109.50 To Cor. No. 4, identical with N.E. Cor. of the location  
 and Cor. No. 2, New Calumet mill site, this survey.

A redwood post, previously described, with copper plate  
 stamped 4-E.-4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said New Calumet mill site.

172.80 Center of standard gauge railroad, course northeasterly.  
 489.30 Center of standard gauge railroad, course northeasterly.  
 1006.60 Center of standard gauge railroad, course northeasterly.  
 1011.30 Center of standard gauge railroad, course northeasterly.  
 1604.55 Center of standard gauge railroad, course northeasterly.  
 1711.35 Center of standard gauge railroad, course northeasterly.  
 1940.00 Road, course northwesterly.

1980.05 To Cor. No. 5, identical with S.E. Cor. of the location  
 and Cor. No. 1, of said New Calumet mill site.

On line 1-2, Sacramento mill site, this survey, and the  
 township line between sections 35 and 3, T's 1 and 2 S.,  
 R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate  
 stamped 5-E.4095 in the quarter facing this claim.

Thence N.89°-53'W.

Along line 2-1 of said Sacramento mill site and said  
 township line.

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

Gold Crown Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, Golden Eagle Extension mill site, this survey.

On line 1-2, Golden Eagle mill site, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-G.C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 4, Gold Crown lode, Sur. 2860, the lode claim in conjunction with which this mill site is held, bears N.86°-10'-30"E. 5408.0 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R.M., bears S.84°-59'-30"W. 302.55 ft.

No other bearings available.

Thence North.

Along line 4-3, of said Golden Eagle Extension mill site.

243.85 Center of standard gauge railroad, course easterly.

667.30 Center of standard gauge railroad, course northeasterly.

699.20 Center of standard gauge railroad, course northeasterly.

771.30 Center of standard gauge railroad, course northeasterly.

857.70 Center of standard gauge railroad, course northeasterly.

1002.40 Center of standard gauge railroad, course northeasterly.

1105.30 Center of standard gauge railroad, course northeasterly.

1133.40 Center of standard gauge railroad, course northeasterly.

1422.80 Center of standard gauge railroad, course northeasterly.

1952.60 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3, of said Golden Eagle Extension mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-G.C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

111.30 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 3, Excelsior mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-G.C.-4095 in the quarter facing this claim.

Thence South.

Along line 3-2 of said Excelsior mill site.

349.20 Center of standard gauge railroad, course northeasterly.

667.30 Center of standard gauge railroad, course northeasterly.

691.00 Center of standard gauge railroad, course northeasterly.

1040.10 Center of standard gauge railroad, course northeasterly.

1075.10 Center of standard gauge railroad, course northeasterly.

1092.00 Center of standard gauge railroad, course northeasterly.

1272.30 Road, course northwesterly

1438.80 Road, course northeasterly

1678.50 Center of standard gauge railroad, course northeasterly.

1828.80 Road, course northwesterly.

1908.60 Center of standard gauge railroad, course northeasterly.

1952.80 To Cor. No. 4, identical with S.E. Cor. of the location and Cors. 2 and 2, respectively, of Excelsior and Golden Eagle mill sites, this survey.

A redwood, post, previously described, with copper plate stamped 4-G.C.-4095 in the quarter facing this claim.

Thence N.89°-54'W.

Along line 2-1, of said Golden Eagle mill site.

28.50 Center of standard gauge railroad, course northeasterly.

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

Golden Eagle Extension Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 4, Caledonia mill site, this survey.

On line 1-2, Golden Eagle mill site, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-G.E.E.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence Cor. No. 3, Golden Eagle Extension lode, Sur. 2860, the lode claim in conjunction with which this mill site is held, bears N.86°-15'-10"E. 5519.1 ft.

Angle point No. 1, section 35, T. 1 S., R. 12 E., G. & S. R.M., bears S.82°-02'W. 191.95 ft.

No other bearings available.

Thence North.

Along line 4-3 of said Caledonia mill site.

1279.30  
1438.80

- 240.70 Center of standard gauge railroad, course easterly.
- 247.30 Center of standard gauge railroad, course northwesterly.
- 518.50 Center of standard gauge railroad, course northeasterly.
- 732.40 Center of standard gauge railroad, course northeasterly.
- 741.90 Center of standard gauge railroad, course northeasterly.
- 974.10 Center of standard gauge railroad, course northeasterly.
- 1117.50 Center of standard gauge railroad, course northwesterly.
- 1952.40 To Cor. No. 2, identical with N.W. Cor. of the location  
and Cor. No. 3 of said Caledonia mill site.
- A redwood post, 3.5 ft. long, 4 ins. sq., with copper  
plate stamped 2-G.E.E.-4095 in the quarter facing this  
claim, nailed on top, set 20 ins. in the ground, whence  
A dacite stone, 12 x 18 x 30 ins. out of the ground,  
chiseled cross B.R..4095, bears S.06°-43'E. 30.65 ft.
- No other bearings available.
- Thence East.
- 111.30 To Cor. No. 3, identical with N.E. Cor. of the location  
and Cor. No. 2, Gold Crown mill site, this survey.
- A redwood post, previously described, with copper plate  
stamped 3-G.E.E.-4095 in the quarter facing this claim.
- Thence South.
- Along line 2-1 of said Gold Crown mill site.
- 529.80 Center of standard gauge railroad, course northeasterly.
- 819.20 Center of standard gauge railroad, course northeasterly.
- 847.30 Center of standard gauge railroad, course northeasterly.
- 950.20 Center of standard gauge railroad, course northeasterly.
- 1094.90 Center of standard gauge railroad, course northeasterly.
- 1181.30 Center of standard gauge railroad, course northeasterly.
- 1253.40 Center of standard gauge railroad, course northeasterly.
- 1285.30 Center of standard gauge railroad, course northeasterly.
- 1708.75 Center of standard gauge railroad, course easterly.
- 1952.60 To Cor. No. 4, identical with S.E. Cor. of the location  
and Cor. No. 1 of said Gold Crown mill site.
- On line 1-2, Golden Eagle mill site, this survey.
- A redwood post, previously described, with copper plate

stamped 4-G.E.E.-4095 in the quarter facing this claim.

Thence N.89°-54'W.

Along line 2-1 of said Golden Eagle mill site.

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

Caledonia Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cors. 1, 1 and 4, respectively, of Golden Eagle, Windsor and Safety mill sites, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

Cor. No. 2, Caledonia lode, Sur. 2860; the lode claim in conjunction with which this mill site is held, bears N.71° 46'-40"E. 5158.1 ft.

Angle point No. 1, section 35, T. 1 S.; R. 12 E., G. & S. R.M., bears S.71°-14'W. 83.2 ft.

No other bearings available.

Thence North.

Along line 4-3 of said Safety mill site.

250.80 Center of standard gauge railroad, course northeasterly.

285.65 Center of standard gauge railroad, course northeasterly.

337.00 Center of standard gauge railroad, course northeasterly.

551.75 Center of standard gauge railroad, course northeasterly.

1157.30 Center of standard gauge railroad, course easterly.

1952.25 To Cor. No. 2, identical with N.W. Cor. of the location and Cor. No. 3 of said Safety mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-C.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence East.

111.30 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 2, Golden Eagle Extension mill site, this survey.

A redwood post, previously described, with copper plate

stamped 3-C.4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said Golden Eagle Extension mill site.

834.90 Center of standard gauge railroad, course northwesterly.

978.30 Center of standard gauge railroad, course northeasterly.

1210.50 Center of standard gauge railroad, course northeasterly.

1220.00 Center of standard gauge railroad, course northeasterly.

1433.90 Center of standard gauge railroad, course northeasterly.

1705.10 Center of standard gauge railroad, course northwesterly.

1711.70 Center of standard gauge railroad, course easterly.

1952.40 To Cor. No. 4, identical with S.E. Cor. of the location

and Cor. No. 1 of said Golden Eagle Extension mill site.

On line 1-2, Golden Eagle mill site, this survey.

A redwood post, previously described, with copper plate

stamped 4-C.-4095 in the quarter facing this claim.

Thence N.89°-54'W.

Along line 2-1 of said Golden Eagle mill site.

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

Safety Mill Site.

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

location and Cor. No. 1, Republic mill site, this survey.

At the intersection of line 4-1, Windsor mill site, this

survey, with the section line between sections 34 and 35,

T. 1 S., R. 12 E., G. & S.R.M., said section line being

also the west boundary of Exchange Survey No. 648.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-S.-4095 in the quarter facing this claim,

nailed on top, set 20 ins. in the ground, whence

Cor. No. 3, Safety lode, Surs. 2479 and 2860, the lode

claim in conjunction with which this mill site is held,

bears N.53°-41'-30"E. 5034.7 ft.

The standard corner for sections 34 and 35, T. 1 S., R.

12 E., G. & S.R.M., which is also a corner of Exchange

Survey No. 648, bears S. 0°-02'-30"E. 26.9 ft.

A quartzite stone, 11 x 18 ins., flush with the ground,

-19.

chiseled cross B.R. 4095, bears N.00°-02'W. 6.20 ft.

No other bearings available.

Thence N.00°-02'-30"W.

Along said section line, the west boundary of said Exchange Survey No. 648, and line 1-4 of said Republic mill site.

295.70 Center of standard gauge railroad, course northwesterly.

352.50 Center of standard gauge railroad, course northwesterly.

1292.40 To Cor. No. 4 of said Republic mill site.

1952.05 To Cor. No. 2, identical with N.W. Cor. of the location.

On the section line between sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M., and the west boundary of Exchange Survey No. 648, S.0°-02'-30"E. 659.65 ft. from the quarter corner.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-S.-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence

A quartzite stone, showing 9 x 9 x 14 ins. out of the ground, chiseled cross B.R. 4095, bears S.63°-42'E. 27.10 ft.

A granite stone, 3 x 12 x 18 ins. out of the ground, chiseled cross B.R. 4095, bears N.11°-55'E. 23.75 ft.

No other bearings available.

Thence East.

112.20 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 2, Caledonia mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-S.-4095 in the quarter facing this claim.

Thence South.

Along line 2-1 of said Caledonia mill site.

794.95 Center of standard gauge railroad, course easterly.

1400.50 Center of standard gauge railroad, course northeasterly.

1615.25 Center of standard gauge railroad, course northeasterly.

1666.60 Center of standard gauge railroad, course northwesterly.

1701.45 Center of standard gauge railroad, course northwesterly.

1952.25 To Cor. No. 4, identical with S.E. Cor. of the location

and Cors. 1, 1 and 1, respectively, of Caledonia, Golden Eagle and Windsor mill sites, this survey.

A redwood post, previously described, with copper plate stamped 4-S.-4095 in the quarter facing this claim.

Thence N.89°-54'W.

Along line 1-4 of said Windsor mill site.

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

Republic Mill Site:

Beginning at Cor. No. 1, identical with S.E. Cor. of the location and Cor. No. 1, Safety mill site, this survey.

At the intersection of line 4-1 Windsor mill site, this survey with the section line between sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M., said section line being also the west boundary of Exchange Survey No. 648.

A redwood post, previously described, with copper plate stamped 1-R.-4095 in the quarter facing this claim, whence Cor. No. 2, Republic lode, Survey No. 2860, the lode claim in conjunction with which this mill site is held, bears N.73°-17'E. 5673.6 ft.

The standard corner for sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M., which is also a corner of Exchange Survey No. 648, bears S.0°-02'-30"E. 26.9 ft.

Thence N.89°-54'W.

Along line 1-4 of said Windsor mill site.

165.30 To Cor. No. 2; identical with S.W. Cor. of the location and Cor. No. 1, Skyward mill site, this survey.

On line 4-1 of said Windsor mill site:

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-R.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence N.00°-02'-30"W.

Along line 1-4 of said Skyward mill site.

397.90 Center of standard gauge railroad, course northwesterly.

455.40 Center of standard gauge railroad, course northwesterly.

- 644.30 Center of standard gauge railroad, course northwesterly.  
 1292.40 To Cor. No. 3, identical with N.W. Cor. of the location  
 and Cor. No. 4 of said Skyward mill site.  
 A redwood post, 3.5 ft. long, 4 ins. sq., with copper  
 plate stamped 3-R.-4095 in the quarter facing this claim,  
 nailed on top, set 20 ins. in the ground.  
 No bearings available.  
 Thence S.89°-54'E.  
 165.30 To Cor. No. 4, identical with N.E. Cor. of the location.  
 On line 1-2, Safety mill site this survey, the section  
 line between sections 34 and 35, T. 1 S., R. 12 E., G.&  
 S.R.M., and the west boundary of Exchange Survey No. 648.  
 A redwood post, 3.5 ft. long, 4 ins. sq., with copper  
 plate stamped 4-R.-4095 in the quarter facing the claim,  
 nailed on top, set 20 ins. in the ground, whence  
 A quartzite stone, 5 x 9 x 12 ins, out of the ground,  
 chiseled cross B.R.4095, bears S.83°-08'W. 29.77 ft.  
 No other bearings available.  
 Thence S.00°-02'-30"E.  
 Along line 2-1 of said Safety mill site, said section  
 line, and the west boundary of Exchange Survey No. 648.  
 939.90 Center of standard gauge railroad, course northwesterly.  
 996.70 Center of standard gauge railroad, course northwesterly.  
 1292.40 To Cor. No. 1, the place of beginning,  
 Skyward Mill Site.  
 Beginning at Cor. No. 1, identical with S.E. Cor. of the  
 location and Cor. No. 2, Republic mill site, this survey.  
 On line 4-1, Windsor mill site, this survey.  
 A redwood post, previously described, with copper plate  
 stamped 1-S.-4095 in the quarter facing this claim, whence  
 Cor. No. 2, Skyward lode, Sur. 2860, the lode claim in  
 conjunction with which this mill site is held, bears N.84°  
 22'-50"E. 6427.6 ft.  
 The standard corner of sections 34 and 35, T. 1 S., R. 12  
 E., G.& S.R.M., bears S.80°-40'E. 167.55 ft.

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Thence N.89°-54'W.

Along line 1-4 of said Windsor mill site.

51.90 To Cor. No. 4 of said Windsor mill site, identical with Cor. No. 1, Hard Rock No. 9 mill site, this survey.

Along line 1-4 of said Hard Rock No. 9 mill site.

70.00 To witness corner for Cor. No. 2.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped Wit. Cor. 2-S.-4095 for this claim, nailed on top, set 20 ins. in the ground.

132.00 Edge of slag dump.

165.30 To <sup>pt for</sup> Cor. No. 2, identical with point for S.W. Cor. of location and Cor. No. 1, Oak No. 12 mill site this survey.

Corner not set on account of falling on the slope of slag dump where a permanent corner could not be maintained.

Witness corner bears S.89°-54'E. 95.3 ft.

No other bearings available.

Thence N.00°-02'-30"W.

Along line 1-4 of said Oak No. 12 mill site.

247.00 Center of standard-gauge railroad, course northeasterly.

298.00 Edge of slag dump.

751.90 Edge of pond.

936.50 Edge of pond.

1292.40 To Cor. No. 3, identical with N.W. Cor. of the location and Cor. No. 4 of said Oak No. 12 mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 3-S.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

A quartzite stone, 4 x 12 x 18 ins., out of the ground, chiseled cross B.R.4095, bears N.53°-15'E. 21.33 ft.

No other bearings available.

Thence S.89°-54'E.

165.30 To Cor. No. 4, identical with N.E. Cor. of the location and Cor. No. 3 Republic mill site, this survey!

A redwood post, previously described, with copper plate stamped 4-S.-4095 in the quarter facing this claim.

Thence S.00°-02'-30"E.  
 Along line 3-2 of said Republic mill site.  
 648.10 Center of standard gauge railroad, course northwesterly.  
 837.00 Center of standard gauge railroad, course northwesterly.  
 894.50 Center of standard gauge railroad, course northwesterly.  
 1292.40 To Cor. No. 1, the place of beginning.

Oak No. 12 Mill Site.  
 Beginning at Cor. No. 1, identical with point for S.E. Cor. of the location and Cor. No. 2. Skyward mill site, this survey.  
 Not set on account of falling on the slope of slag dump where a permanent corner could not be maintained.

On line 4-1, Hard Rock No. 9 mill site, this survey.  
 The S.W. Cor. of the Oak No. 12 lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.74°-30'-40"E. 8287.6 ft.  
 The standard corner for sections 34 and 35, T. 12 S., R. 12 E., G. & S.R.M., bears S.85°-15'E. 331.75 ft.  
 Witness corner bears N.89°-54'W. 134.00 ft.  
 No other bearings available.

Thence N.89°-54'W.  
 Along line 1-4 of said Hard Rock No. 9 mill site.

111.50 Center of standard gauge railroad, course northeasterly.  
 134.00 To witness corner for Cor. No. 1.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped Wit. Cor. 1-0.12-4095, nailed on top, set 20 ins. in slag dump.  
 165.30 To Cor. No. 2, identical with S.W. Cor. of the location and Cor. No. 4, Aldridge mill site, this survey.

On line 4-1 of said Hard Rock No. 9 mill site.  
 A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-0.12-4095 in the quarter facing this claim, nailed on top, set 20 ins. in slag dump.  
 No bearings available.

Thence N.00°-02'-30"W.

Along line 4-3 of said Aldridge mill site.

235.00 Edge of slag dump.

1292.40 To Cor. No. 3, identical with N.W. Cor. of the location and Cor. No. 3 of said Aldridge mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 3-0.12-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence S.89°-54'E.

165.30 To Cor. No. 4, identical with N.E. Cor. of the location and Cor. No. 3, Skyward mill site, this survey.

A redwood post, previously described, with copper plate stamped 4-0.12-4095 in the quarter facing this claim.

Thence S.00°-02'-30"E.

Along line 3-2 of said Skyward mill site.

355.90 Edge of pond.

540.50 Edge of pond.

994.40 Edge of slag dump.

1045.40 Center of standard gauge railroad, course northeasterly.

1292.40 To Cor. No. 1, the place of beginning.

-Aldridge Mill Site.

Beginning at Cor. No. 1, identical with S.W. Cor. of the location and Cor. No. 3, Hard Rock No. 8 mill site, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-A.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in slag dump, whence

The S.E. Cor. of the Aldridge lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.75°-06'-10"E. 8606.5 ft.

The closing corner for sections 3 and 4, T. 2 S., R. 12 E., G. & S.R.M., bears S.82°-52'W. 213.55 ft.

No other bearings available.

Thence N.00°-01'-30"W.

334.00 Edge of slag dump.

- 1292.40 To Cor. No. 2, identical with N.W. Cor. of the location.  
 A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-A.-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence  
 A granite stone, 4 x 9 x 16 ins. out of the ground, chiseled cross B.R. 4095, bears N.81°-39'W. 11.15 ft.  
 A dacite stone, 2.5 x 3.5 ft., flush with the ground, chiseled cross B.R.4095, bears N.16°-48'W. 29.35 ft.  
 No other bearings available.  
 Thence S.89°-54'E.
- 164.90 To Cor. No. 3, identical with N.E. Cor. of the location and Cor. No. 3, Oak No. 12 mill site, this survey.  
 A redwood post, previously described, with copper plate stamped 3-A.-4095 in the quarter facing this claim.  
 Thence S.00°-02'-30"E.  
 Along line 3-2 of said Oak No. 12 mill site.
- 1057.40 Edge of slag dump.
- 1292.40 To Cor. No. 4, identical with S.E. Cor. of the location and Cor. No.2 of said Oak No. 12 mill site.  
 On line 4-1, Hard Rock No. 9 mill site, this survey.  
 A redwood post, previously described, with copper plate stamped 4-A.-4095 in the quarter facing this claim.  
 Thence N.89°-54'W.  
 Along line 1-4 of said Hard Rock No. 9 mill site.
- 49.20 To Cor. No. 4 of said Hard Rock No. 9 mill site, identical with Cor. No. 4, Hard Rock No. 8 mill site, this survey.  
 Along line 4-3 of said Hard Rock No. 8 mill site.
- 165.30 To Cor. No. 1, the place of beginning.  
 Hard Rock No. 8 Mill Site.  
 point for  
 Beginning at Cor. No. 1, identical with N.W. Cor. of the location and the closing corner for sections 3 and 4, T. 2 S., R. 12 E., G.& S.R.M., which is also corner of Exchange Survey No. 648.  
 On the township line and the south boundary of Section 34 between T's 1 and 2 S., R. 12 E., G.& S.R.M.

A dacite stone showing 8 x 8 x 8 ins. out of the ground, chiseled cross at the exact corner; three grooves on the East side and three grooves on the West side with mound of stone alongside, whence

The N.W. Cor. of the Hard Rock No. 8 lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.84°-40'E. 8988.9 ft.

Witness corner bears South 8.05 ft.

No other bearings available.

Thence S.89°-54'E.

From true point for Cor.

Along said township line and the north boundary of said Exchange Survey No. 648.

98.00 Edge of slag dump.

211.90 To Cor. No. 2, identical with monument of the location.

On said township line and the north boundary of said Exchange Survey No. 648.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-H.R.8-4095 in the quarter facing the claim, nailed on top, set 20 ins. in slag dump, whence

A granite stone, 7 x 7 x 15 ins., set flush with top of slag dump bears N.00°-02'W. 12.04 ft.

No other bearings available.

Thence N.00°-01'-30"W.

26.90 To Cor. No. 3, identical with monument of the location and Cor. No. 1, Aldridge mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-H.R.8-4095 in the quarter facing this claim.

Thence S.89°-54'E.

Along line 1-4 of said Aldridge mill site.

116.10 To Cor. No. 4, identical with N.E. Cor. of the location and Cor. No. 4, Hard Rock No. 9 mill site, this survey.

On line 4-1 of said Aldridge mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 4-H.R.8-4095 in the quarter facing this claim, nailed on top, set 20 ins. in slag dump.

No bearings available.

Thence S.00°-02'E.

Along line 4-3 of said Hard Rock No. 9 mill site.

26.90 Intersect the township line between sections 34 and 3, T's 1 and 2 S., R. 12 E., G.& S.R.M., and the north boundary of Exchange Survey No. 648, S.89°-54'E. 328.0 ft. from the closing corner for sections 3 and 4 which is also a corner of said Exchange Survey No. 648.

175.00 Center of standard gauge railroad, course northeasterly.

292.00 Edge of slag dump.

644.80 To Cor. No. 5, identical with S.E.Cor. of the location and Cor. No. 3 of said Hard Rock No. 9 mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 5-H.R.8-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.

No bearings available.

Thence N.89°-54'W.

328.40 To Cor. No. 6, identical with S.W.Cor. of the location. On the section line between sections 3 and 4, T. 2 S., R. 12 E., G.& S.R.M. and the west boundary of Exchange Survey No. 648, North.1932.3 ft. from the quarter corner which is identical with Cor. No. 24 of said Exchange Survey No. 648.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 6-H.R.8-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence

A limestone, 8 x 12 x 15 ins., set 10 ins. in the ground, chiseled cross B.R. 4095, bears North 16.63 ft.

A limestone, 8 x 9 x 13 ins., set flush with the ground, chiseled cross B.R. 4095, bears N.89°-54'W. 7.56 ft.

No other bearings available.

Thence North.

Along said section line and west boundary of said Exchange Survey No. 648.

609.75 To witness corner for Co. No. 1.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped Wit. Cor. 1-H.R.8-4095, nailed on top, set 20 ins. in the ground.

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

Hard Rock No. 9 Mill Site.

Beginning at Cor. No. 1, identical with N.E. Cor. of the location and Cor. No. 4, Windsor mill site, this survey. On line 1-2, Skyward mill site, this survey.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 1-H.R.9-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence The N.W. Cor. of the Hard Rock No. 9 lode, unsurveyed, the lode claim in conjunction with which this mill site is held, bears N.77°-56'-50"E. 8227.8 ft.

The standard corner for sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M., bears S.82°-50'-30"E. 218.9 ft.

No other bearings available.

Thence S.00°-02'E.

Along line 4-3 of said Windsor mill site.

26.90 Intersect the township line between sections 34 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M. and the north boundary of Exchange Survey No. 648, S.89°-54'E. 655.9 ft. from the closing corner for sections 3 and 4 which is also a corner of said Exchange Survey No. 648.

644.80 To Cor. No. 2, identical with S.E. Cor. of the location and Cor. No. 3 of said Windsor mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-H.R.9-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground, whence

A dacite stone, 7 x 6 ins., flush with the ground, chiseled cross only (too rough for further chiseling) bears N.78°-18'W. 13.51 ft.

The northwest corner of concrete powder magazine bears S.22°-39'E. 85.00 ft.

No other bearings available.

Thence N.89°-54'W.

327.90 To Cor. No. 3, identical with S.W. Cor. of the location and Cor. No. 5, Hard Rock No. 8 mill site, this survey.

A redwood post, previously described, with copper plate stamped 3-H.R.9-4095 in the quarter facing this claim.

Thence N.00°-02'W.

Along line 5-4 of said Hard Rock No. 8 mill site.

352.80 Edge of slag dump.

469.80 Center of standard gauge railroad, course northeasterly.

617.90 Intersect the township line between sections 34 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M. and the north boundary of Exchange Survey No. 648, S.89°-54'E. 328.0 ft. from the closing corner for sections 3 and 4 which is also a corner of said Exchange Survey No. 648.

644.80 To Cor. No. 4, identical with N.W. Cor. of the location and Cor. No. 4 of said Hard Rock No. 8 mill site.

On line 4-1, Aldridge mill site, this survey.

A redwood post, previously described, with copper plate stamped 4-H.R.9-4095 in the quarter facing this claim.

Thence S.89°-54'E.

Along line 1-4 of said Aldridge mill site.

49.20 To Cor. No. 4 of said Aldridge mill site, identical with Cor. No. 2, Oak No. 12 mill site, this survey.

Along line 2-1 of said Oak No. 12 mill site.

80.50 To witness corner for Cor. No. 1 of said Oak No. 12 mill site.

103.00 Center of standard gauge railroad, course northeasterly.

214.50 To Cor. No. 1 of said Oak No. 12 mill site, identical with Cor. No. 2, Skyward mill site, this survey.

Along line 2-1 of said Skyward mill site.

247.80 Edge of slag dump.

309.80 To witness corner for Cor. No. 1 of said Skyward mill site.

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

Windsor Mill Site.

Beginning at Cor. No. 1, identical with N.E. Cor. of the location and Cors. 4, 1 and 1, respectively, of Safety, Caledonia and Golden Eagle mill sites, this survey.

A redwood post, previously described, with copper plate stamped 1-W-4095 in the quarter facing this claim, whence The N.E. Cor. of the Windsor lode, Lot 37, the lode claim in conjunction with which this mill site is held, bears N.71°-46'-40"E. 5158.1 ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G. & S.R.M., bears S.71°-14'W. 83.2 ft.

Thence S.00°-02'E.

Along line 1-4 of said Golden Eagle mill site.  
408.00 Center of standard gauge railroad, course northeasterly.  
644.80 To Cor. No. 2, identical with S.E. Cor. of the location and Cor. No. 4 of said Golden Eagle mill site.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-W.-4095 in the quarter facing this claim, nailed on top, set 20 ins. in the ground.  
No bearings available.

Thence N.89°-54'W.

100.50 Center of standard gauge railroad, course northerly.  
177.30 Center of standard gauge railroad, course northeasterly.  
327.90 To Cor. No. 3, identical with S.W. Cor. of the location and Cor. No. 2, Hard Rock No. 9 mill site, this survey.  
A redwood post, previously described, with copper plate stamped 3-W.-4095 in the quarter facing this claim.

Thence N.00°-02'W.

Along line 2-1 of said Hard Rock No. 9 mill site.  
617.90 Intersect the township line between sections 34 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M., and the north boundary of Exchange Survey No. 648, N.89°-54'W. 217.2 ft. from the standard corner for sections 34 and 35, which is also a corner of said Exchange Survey No. 648.

644.80 To Cor. No. 4, identical with N.W. Cor. of the location and Cor. No. 1 of said Hard Rock No. 9 mill site.

On line 1-2, Skyward mill site, this survey.

A redwood post, previously described, with copper plate stamped 4-W.-4095 in the quarter facing this claim,

Thence S.89°-54'E,

Along line 2-1, of said Skyward mill site.

51.90 To Cor. No. 1 of said Skyward mill site, identical with Cor. No. 2, Republic mill site, this survey.

Along line 2-1 of said Republic mill site.

217.20 To Cor. No. 1 of said Republic mill site, identical with Cor. No. 1, Safety mill site, this survey, and intersect

the section line between sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M. and the west boundary of Exchange

Survey No. 648, N.00°-02'-30"W. 26.9 ft. from the standard corners for said sections 34 and 35, which is

also a corner of said Exchange Survey No. 648.

Along line 1-4 of said Safety mill site.

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

Golden Eagle Mill Site.

Beginning at Cor. No. 1, identical with N.W. Cor. of the location and Cors. 1, 4 and 1, respectively, of Windsor

Safety and Caledonia mill sites, this survey.

A redwood post, previously described, with copper plate stamped 1-G.E.-4095 in the quarter facing this claim,

whence

Cor. No. 3, Golden Eagle lode, Sur. 2860, the lode claim in conjunction with which this mill site is held, bears

N.71°-46'-40"E. 5158.10 ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G. & S.R.M., bears S.71°-14'W. 83.2 ft.

Thence S.89°-54'E.

Along line 1-4 of said Caledonia mill site.

111.30 To Cor. No. 4 of said Caledonia mill site, identical with Cor. No. 1, Golden Eagle Extension mill site, this

survey.

Along line 1-4 of said Golden Eagle Extension mill site.

222.60 To Cor. No. 4 of said Golden Eagle Extension mill site, identical with Cor. No. 1 Gold Crown mill site, this survey.

Along line 1-4 of said Gold Crown mill site.

305.40 Center of standard gauge railroad, course northeasterly.

333.90 To Cor. No. 2, identical with N.E. Cor. of the location and Cors. 4 and 2, respectively, of Gold Crown and Excelsior mill sites, this survey.

A redwood post, previously described, with copper plate stamped 2-G.E.-4095 in the quarter facing this claim.

Thence S.00°-02'E.

Along line 2-1 of said Excelsior mill site.

27.00 To Cor. No. 1 of said Excelsior mill site, identical with Cor. No. 1 Sacramento mill site, this survey, and

intersect the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

Along line 1-4 of said Sacramento mill site.

423.40 Road, course northeasterly.

644.80 To Cor. No. 3, identical with point for S.E. Cor. of the location.

A 1/2 in. square spike, 8 ins. long, driven 2 in. below the surface of the road. Course of road northwesterly.

Witness corner bears N.89°-54'W. 49.85 ft.

No other bearings available.

Thence N.89°-54'W.

49.85 To witness corner for Cor. No. 3.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped Wit. Cor. 3-G.E.-4095 in the half facing the true corner, nailed on top, set 20 ins. in the ground.

333.90 To Cor. No. 4, identical with S.W. Cor. of the location and Cor. No. 2, Windsor mill site, this survey.

A redwood post, previously described, with copper plate stamped 4-G.E.-4095 in the quarter facing this claim.

Thence N.00°-02'W.

Along line 2-1 of said Windsor mill site.

236.80 Center of standard gauge railroad, course northeasterly.  
644.80 To Cor. No. 1, the place of beginning.

Sacramento Mill Site.

Beginning at Cor. No. 1, identical with N.W. Cor. of the location and Cor. No. 1, Excelsior mill site, this survey. At the intersection of line 2-3, Golden Eagle mill site, this survey, with the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate stamped 1-S.-4095 in the quarter facing this claim, whence

Cor. No. 2, Sacramento lode, Sur. 2930A., the lode claim in conjunction with which this mill site is held, bears N.37°-43'-10"E. 3966.9 ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G. & S.R.M., bears N.89°-53'W. 412.7 ft.

Thence S.89°-53'E.

Along said township line and line 1-5 of said Excelsior mill site.

109.50 To Cor. No. 5 of said Excelsior mill site, identical with Cor. No. 1, New Calumet mill site, this survey.

Along line 1-4 of said New Calumet mill site.

143.00 Road, course northwesterly.

219.20 To Cor. No. 4 of said New Calumet mill site, identical with Cor. No. 1 Oversight mill site, this survey.

Along line 1-4 of said Oversight mill site.

328.90 To Cor. No. 4 of said Oversight mill site, identical with Cor. No. 1 Queen Fraction mill site, this survey.

Along line 1-4 of said Queen Fraction mill site.

438.60 To Cor. No. 2, identical with N.E. Cor. of the location and Cors. 4, 1 and 1, respectively, of Queen Fraction, San Francisco and Rain Cloud mill sites, this survey.

On said township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate

- stamped 2-S.-4095 in the quarter facing this claim.
- Thence S.31°-58'W.
- Along line 1-6 of said Rain Cloud mill site.
- 288.90 To Cor. No. 3, identical with monument of the location, Cor. No. 6 of said Rain Cloud mill site, Cor. No. 15 Exchange Survey No. 648 and the N.W. Cor. of the railroad station grounds of the Magma Arizona Railroad Company.
- A 1½ inch iron pipe, showing 10 ins. above the ground, with brass cap stamped 15-E.S.648-1926, alongside of which is a 4 x 6 in. redwood post, showing 5 ft. above the ground, to which is nailed a copper plate stamped 3-S.-4095 for this claim and survey.
- No bearings available.
- Thence S.27°-46'W.
- Along line 15-16 of said Exchange Survey No. 648 and the northwest boundary of the railroad station grounds of the Magma Arizona Railroad Company.
- 495.00 Road, course northwesterly.
- 612.20 To Cor. No. 4, identical with S.W. Cor. of the location. On line 15-16 of said Exchange Survey No. 648 and the northwest boundary of the railroad station grounds of the Magma Arizona Railroad Company, N.27°-46'E. 233.750 ft. from Cor. No. 16 of said Exchange survey No. 648.
- A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 4-S.-4095 in the quarter facing the claim, nailed on top, set 20 ins. in the ground, whence
- A quartzite stone, 9 x 9 x 15 ins., set flush with the ground, chiseled cross B.R.4095, bears N.00°-02'W. 8.29 ft.
- No other bearings available.
- Thence N.00°-02'W.
- 169.90 <sup>pt. for</sup> To Cor. No. 3, Golden Eagle mill site, this survey, and cross road, course northwesterly.
- Along line 3-2 of said Golden Eagle mill site.
- 391.30 Road, course northeasterly.
- 787.70 To Cor. No. 1, the place of beginning.

## Rain Cloud Mill Site.

Beginning at Cor. No. 1, identical with N.W. Cor. of the location and Cors. 2, 4 and 1, respectively, of Sacramento, Queen Fraction and San Francisco mill sites, this survey.

On the township line between sections 35 and 3, T's 1 and 2 S., R. 12 E., G. & S.R.M.

A redwood post, previously described, with copper plate stamped 1-R.C.-4095 in the quarter facing this claim, whence

Cor. No. 2, Rain Cloud lode, Sur. 2930A., the lode claim in conjunction with which this mill site is held, bears N.29°-19'-50"E. 4665.00 ft.

Angle point No. 1, Sec. 35, T. 1 S., R. 12 E., G. & S.R.M., bears N.89°-53'W. 851.3 ft.

Thence S.89°-53'E.

Along said township line and line 1-4 of said San Francisco mill site.

109.70 To Cor. No. 4 of said San Francisco mill site, identical with Cor. No. 1, Hard Rock No. 10 mill site, this survey.

Along line 1-4 of said Hard Rock No. 10 mill site.

219.40 To Cor. No. 4 of said Hard Rock No. 10 mill site, identical with Cor. No. 1 Elm mill site, this survey.

Along line 1-4 of said Elm mill site.

329.10 To Cor. No. 4 of said Elm mill site, identical with Cor. No. 1 Elm No. 1 mill site, this survey.

Along line 1-4 of said Elm No. 1 mill site.

438.80 To Cor. No. 4 of said Elm No. 1 mill site.

539.00 To Cor. No. 2, identical with N.E. Cor. of the location.

At the intersection of said township line with line 11-12 Exchange Survey No. 648, N.89°-53'W. 1221.8 ft. from the standard quarter corner for section 35, T. 1 S., R. 12 E., G. & S.R.M., and S.06°-52'W. 1.85 ft. from Cor. No. 11 of said Exchange Survey No. 648.

A redwood post, 3.5 ft. long, 4 ins. sq., with copper plate stamped 2-R.C.-4095 in the quarter facing the

claim, nailed on top, set 21 ins. in the ground.

No bearings available.

Thence  $S.06^{\circ}-52'W.$

Along line 11-12 of said Exchange Survey No. 648.

200.30 To Cor. No. 3, identical with monument of the location and Cor. No. 12 of said Exchange Survey No. 648.

A  $1\frac{1}{2}$  in. iron pipe, showing 10 ins. above the ground, with brass cap stamped 12-E.S.648-1926, alongside of which is a 4 x 6 in. redwood post, showing 5 ft. above the ground, to which is nailed a copper plate stamped 3-R.C.-4095 for this claim and survey.

No bearings available.

Thence  $S.71^{\circ}-34'W.$

Along line 12-13 of said Exchange Survey No. 648.

258.90 To Cor. No. 4, identical with monument of the location and Cor. No. 13 of said Exchange Survey No. 648.

A limestone showing 6 x 7 x 7 ins. out of the ground chiseled cross at the exact corner and 13-E.S.648, alongside of which is a 4 x 6 in. redwood post, showing 5 ft. above the ground, to which is nailed a copper plate stamped 4-R.C.-4095 for this claim and survey.

A quartzite stone, 6 x 8 x 12 ins. set flush with the ground, bears  $S.71^{\circ}-34'W.$  7.90 ft. from the true corner point.

No other bearings available.

Thence  $S.42^{\circ}-18'W.$

Along line 13-14 of said Exchange Survey No. 648.

169.30 To Cor. No. 5, identical with S.E. Cor. of the location and Cor. No. 14 of said Exchange Survey No. 648.

On north east boundary of the railroad station grounds of the Magma Arizona Railroad Company.

A  $1\frac{1}{2}$  in. iron pipe showing 10 ins. above the ground, with brass cap stamped 14-E.S.648-1926, alongside of which is a 4 x 6 in. redwood post showing 5 ft. above the ground, to which is nailed a copper plate stamped 5-R.C. 4095 for this claim and survey.

No bearings available.

Thence N.62°-18'W.

Along line 14-15 of said Exchange Survey No. 648 and the northeast boundary of the railroad station grounds of the Magma Arizona Railroad Company.

169.30 Center of standard gauge railroad, course northwesterly.

348.40 To Cor. No. 6, identical with S.W. Cor. of the location, Cor. No. 3, Sacramento mill site, this survey, Cor. No. 15 of said Exchange Survey No. 648 and N.W. Cor. of the railroad station grounds of the Magma Arizona Railroad Company.

An iron pipe, with brass cap, previously described, alongside of which is set a redwood post, to which is nailed a brass plate stamped 6-R.C.-4095 for this claim and survey.

Thence N.31°-58'E.

Along line 3-2 of said Sacramento mill site.

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

Mean magnetic variation at all corners 14°-05'E.

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AREA.

	Acres.	Acres.
Total area Elm No. 1 mill site, Area in conflict with Exchange Survey No. 648,	4.990	4.990
Total area Elm mill site, Area in conflict with Exchange Survey No. 648,	4.990	4.990
Total area Hard Rock No. 10 Mill site, Area in conflict with Exchange Survey No. 648,	4.989	4.989
Total area San Francisco mill site, Area in conflict with Exchange Survey No. 648,	4.988	4.988
Total area Queen Fraction mill site, Area in conflict with Exchange Survey No. 648,	4.988	4.988
Total area Oversight mill site, Area in conflict with Exchange Survey No. 648,	4.987	4.987
Total area New Calumet mill site, Area in conflict with Exchange Survey No. 648,	4.987	4.987

Total area Excelsior mill site, Area in conflict with Exchange Survey No. 648,	4.978 4.978	4.978
Total area Gold Crown mill site, Area in conflict with Exchange Survey No. 648,	4.989 4.989	4.989
Total area Golden Eagle Extension mill site, Area in conflict with Exchange Survey No. 648,	4.989 4.989	4.989
Total area Caledonia mill site, Area in conflict with Exchange Survey No. 648,	4.988 4.988	4.988
Total area Safety mill site, Area in conflict with Exchange Survey No. 648,	4.995 4.995	4.995
Total area Republic mill site,		4.904
Total area Skyward mill site,		4.904
Total area Oak No. 12 mill site,		4.904
Total area Aldridge mill site,		4.898
Total area Hard Rock No. 8 mill site, Area in conflict with Exchange Survey No. 648,	4.727 4.655	4.727
Total area Hard Rock No. 9 mill site, Area in conflict with Exchange Survey No. 648,	4.854 4.651	4.854
Total area Windsor mill site, Area in conflict with Exchange Survey No. 648,	4.854 4.720	4.854
Total area Golden Eagle mill site, Area in conflict with Exchange Survey No. 648,	4.943 4.943	4.943
Total area Sacramento mill site, Area in conflict with Exchange Survey No. 648,	3.817 3.817	3.817
Total area Rain Cloud mill site, Area in conflict with Exchange Survey No. 648,	4.186 4.186	4.186

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#### LOCATION

This survey is located in sections 34 and 35, T. 1 S., R. 12 E., and section 3, T. 2 S., R. 12 E., G. & S.R.M., Pioneer Mining District, Pinal County, Arizona, in the Crook National Forest.

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#### ADJOINING AND CONFLICTING CLAIMS.

This survey is bounded on the north by the N.E.  $\frac{1}{4}$  of the S.E.  $\frac{1}{4}$  of section 34, T. 1 S., R. 12 E., G. & S.R.M.,

and the land included in Exchange Survey No. 648, owned by the claimant, On the East by the land included in Exchange Survey No. 648 and the Whitefoot mill site, unsurveyed, owned by the claimant. On the south by the railroad station grounds of the Magma Arizona Railroad Company; and the land included in Exchange Survey No. 648, owned by the claimant. And on the west by the N.E.  $\frac{1}{4}$  of the N.E.  $\frac{1}{4}$  of section 4, T. 2 S., R. 12 E., the W  $\frac{1}{2}$  of the S.E.  $\frac{1}{4}$  of the S.E.  $\frac{1}{4}$  and the N.E.  $\frac{1}{4}$  of the S.E.  $\frac{1}{4}$  of section 34, T. 1 S., R. 12 E., G. & S.R.M., owned by the claimant.

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IMPROVEMENTS.

The standard gauge railroad tracks as they appear located on the plat and by the intersecting claim lines.

A storage pond, <sup>of</sup> irregular shape, impounded by an earth dam with concrete core, located on the Elm No. 1, Elm, Hard Rock No. 10, San Francisco and Queen Fraction mill sites as shown on the plat.

A brick office, 51 x 62 ft., course of long sides, N.19°W., the S.E. corner of which bears N.21°-03'W. 122.2 ft. from Cor. No. 4, Gold Crown mill site.

A watchmens' house of corrugated iron 12 x 14 ft., course of long sides N.35°E., the S.W. corner of which bears N.08°-04'E. 148.2 ft. from Cor. No. 2 of the Excelsior mill site.

A brick sample grinding room, 22 x 28 ft., course of long sides N.31°-39'E., the S.W. corner of which bears N.07°-12'E. 178.6 ft. from a point on line 1-2, New Calumet mill site, 375.5 ft. from Cor. No. 1.

A brick assay office, 46 x 54 ft., course of long sides N.31°-39'E., the S.E. corner of which bears N.17°-56'E., 292.7 ft. from a point on line 2-3, Excelsior mill site, 274.3 ft. from Cor. No. 2.

A brick change room, 26 x 52 ft., course of long sides N.31°-39'E., the N.E. corner of which bears N.25°-30'W.

168.6 ft. from the above described point.

A brick ware house, 45 x 60 ft., course of long sides N.31°-39'E., the N.W. corner of which bears S.88°-22'W. 209.5 ft. from a point on line 3-4, Gold Crown mill site, 1213.3 ft. from Cor. No. 3.

A corrugated iron oil storage house, 20 x 30 ft., course of long sides N.65°E., the S.W. corner of which bears N.27°-07'W. 181.2 ft. from the above described point.

A concrete bedding bin, 108 x 112 ft., course of long sides N.58°-31'W., the S.E. corner of which bears S.88°-15'W. 86.1 ft. from a point on line 3-4, Gold Crown mill site, 767.8 ft. from Cor. No. 3.

A corrugated iron junction house, 20 x 20 ft., course of sides N.31°-39'E., the N.E. corner of which bears N.06°-43'E. 156.9 ft. from the above described point.

A corrugated iron crushing plant, 145 x 60 ft., course of long sides N.58°-21'W., the S.E. corner of which bears N.11°-50'E., 191.4 ft. from the above described point.

A corrugated iron filter plant, 50 x 72 ft., course of long sides, N.58°-21'W. the N.W. corner of which bears N.49°-45'E. 160.0 ft. from the above described point.

A framed trestle, supporting three concentrates receiving tanks, 10 x 43 ft., course of long sides, N.31° 39'E., the S.E. corner of which bears N.81°-45'E. 90.35 ft. from a point on line 1-2, New Calumet mill site, 751.9 ft. from Cor. No. 2.

A concrete ore bin, 20 x 102 ft., course of long sides N.31°-39'E., the S.W. corner of which bears N.60°-10'W. 17.9 ft. from a point on line 3-4, Gold Crown mill site, 366.0 ft. from Cor. No. 3.

A concrete concentrates bin, 20 x 24 ft., course of long sides S.58°-21'E., the N.W. corner of which bears S.37°-48'W. 201.7 ft. from the above described point.

A transformer station, unenclosed, 70 x 90 ft., course

of long way N.01°-08'E., the S.W. corner of which bears S.83°-15'E. 95.6 ft. from a point on line 1-2, Safety mill site, 1094.1 ft. from Cor. No. 1.

A brick switch house, 14 x 18 ft., course of long sides, N.58°-21'W., the S.E. corner of which bears S.77°-20'E. 176.0 ft. from the above described point.

A wood stave water tank, 14 ft. diameter, 10 ft. high, the center of which bears S.12°-14'E. 129.5 ft. from the above described point.

A wood stave water tank, 26 ft. diameter, 20 ft. high, the center of which bears S.09°-31'W. 183.2 ft. from the above described point.

A corrugated iron roaster building, 62 x 75 ft., course of long sides, N.31°-39'E., the N. E. corner of which bears S.68°-07'W. 34.7 ft. from a point on line 3-4, Caledonia mill site, 884.3 ft., from Cor. No. 4.

A corrugated iron Cottrell Plant, 32 x 44 ft., course of long sides N.58°-21'W. the S.E. corner of which bears S.41°-08'W. 178.6 ft. from the above described point.

A brick power house, 81 x 128 ft., course of long sides N.31°-39'E., the S.E. corner of which bears N.38°-21'W. 33.75 ft. from a point on line 1-2, Caledonia mill site, 511.95 ft. from Cor. No. 1.

A brick machine shop, 62 x 128 ft., course of long sides N.31°-39'E., the S.W. corner of which bears N.85°-02'E. 19.60 ft. from the above described point.

A corrugated iron engine house, 40 x 69 ft., course of long sides N.31°-39'E., the S.W. corner of which bears S.66°-01'E. 100.7 ft. from the above described point.

A corrugated iron converter building, 88.75 x 144 ft., course of long sides N.58°-21'W., the S.E. corner of which bears N.51°-29'W. 63.4 ft., from a point on line 4-1 of the Republic mill site, 295.7 ft. from Cor. No. 1.

A corrugated iron boiler building, 54 x 90 feet, course of long sides, S.58°-21'E., the S.W. corner of which bears S.48°-58'E. 100.2 ft. from a point on line 2-3,

Republic millsite, 628.3 ft. from Cor. No. 2.

A corrugated iron furnace building, 54 x 84.25 ft., course of long sides N.31°-39'E., which is located between the converter building and the boiler building, the S.W. corner being S.58°-21'E. 10.0 ft. from the N.W. corner of the converter building.

A brick smoke and fume stack, 36 feet in diameter, 300 ft. high, the center of which bears N.87°-14'E. 88.8 ft. from a point on line 2-3, Republic mill site, 538.3 ft. from Cor. No. 3.

A brick flue, 13 ft. square which extends from the center of the S.W. end of the roaster building S.31°-39' W. through the Cottrell Plant, 136.0 ft.; thence S.76°-39'W. 76.5 ft.; thence N.58°-11'W. 54.0 ft. to junction point with flue leading to the stack. A brick flue, 16 x 16 ft., the S.E. end of which is located opposite the N.E. corner of the boiler building and which extends thence N.58°-11'W. 153.0 ft.; thence N.31°-39'E. 72.0 ft. to junction with flue from Roaster building and Cottrell Plant. At the junction point the flue is 23.0 ft. wide, and extends thence N.13°-11'W. 23.0 ft. to its junction with the stack, where it is 12 ft. wide.

A wood stave water tank, 24 ft. diameter, 16 ft. high, the center of which bears S.09°-46'W. 139.2 ft. from Cor. No. 4 Skyward mill site.

A cooling pond, of irregular shape, impounded by a concrete dam, the south end of which bears N.62°-50'E. 11.4 ft. from a point on line 4-1. of the Oak No. 12 mill site, 550.1 ft. from Cor. No. 4, located on the Skyward and Oak No. 12 mill sites, as shown by the plat.

A slag dump, of irregular shape, located on the Skyward, Oak No. 12, Aldridge, Hard Rock No. 8 and Hard Rock No. 9 mill sites, as shown on the plat.

An iron oil tank, 70 ft. diameter, 30 ft. high, the center of which bears S.75°-19'W. 330.1 ft. from Cor. No.

2 of the Golden Eagle mill site.

A corrugated iron oil pump house, 14 x 16 ft., course of long sides, S.75°W., the N.E. corner of which bears S.77°-09'W. 275.1 ft. from Cor. No. 2, of the Golden Eagle mill site.

A corrugated iron garage, 12 x 18 ft., course of long sides S.53°E., the S.W. corner of which bears S.27°-24'W. 532.1 ft. from a point designated as Pt. 1, on line 2-3, Golden Eagle mill site, 27.0 ft. from Cor. No. 2.

A corrugated iron garage, 12 x 18 ft., course of long sides, S.53°E., the S.W. corner of which bears S.26°-11'W. 473.2 ft. from Pt. 1.

A corrugated iron garage, 12 x 18 ft., course of long sides S.53°E., the S.W. corner of which bears S.24°-45'W. 417.3 ft. from Pt. 1.

A corrugated iron garage, 12 x 18 ft., course of long sides, S.53°E., the S.W. corner of which bears S.22°-45'W. 358.9 ft. from Pt. 1.

A corrugated iron garage, 12 x 18 ft., course of long sides S.53°E., the S. W. corner of which bears S.16°-51'W. 255.7 ft. from Pt. 1.

A corrugated iron garage, 12 x 20 ft., course of long sides, S.53°E., the S. W. corner of which bears S.11°-06'W. 201.6 ft. from Pt. 1.

A corrugated iron garage, 12 x 18 ft., course of long sides S.53°E., the S.W. corner of which bears S.10°-31'E. 119.0 ft. from Pt. 1.

A brick residence, 31.5 x 48.5 ft., course of long sides N.53°W., the S.E. corner of which bears N.26°-05'E. 230.9 ft. from a point, designated as Pt.2, on line 4-1, Sacramento mill site, 437.2 ft. from Cor. No. 4.

A brick residence 24.5 x 38 ft., course of long sides N.53°W., the S.E. corner of which bears N.07°-08'E. 80.05 ft. from Pt. 2.

A brick residence, 24.5 x 38 ft., course of long sides, N.53°W., the S.E. corner of which bears N.39°-38'W. 41.1

ft. from Pt. 2.

A brick residence, 24.5 x 38 ft., course of long sides N.53°W., the S.E. corner of which bears S.75°-28'W. 64.2 ft. from Pt.2:

A brick residence, 24.5 x 38 ft., course of long sides N.53°W., the S.E. corner of which bears S. 57°-00'W. 117.5 ft. from Pt.2.

A brick residence. 20 x 34 ft., course of long sides N.53°W., the S.E. corner of which bears S.52°-55'W. 175.4 ft. from Pt.2.

A brick residence, 20 x 34 ft., course of long sides N.53°W., the S.E. corner of which bears S.48°-51'W. 233.3 ft. from Pt.2.

A brick residence, 20 x 34 ft., course of long sides S.53°E., the S.W. corner of which bears S.01°-00'E. 136.7 ft. from Pt.2.

A brick residence, 20 x 34 ft., course of long sides S.53°E., the S.W. corner of which bears S.23°-25'E. 96.6 ft. from Pt.2.

A brick residence, 20 x 34 ft., course of long sides, S.53°E., the S.W. corner of which bears S.61°-21'E. 84.8 ft. from Pt.2.

A brick residence, 20 x 34 ft., course of long sides S.53°E., the S.W. corner of which bears N.86°-14'E. 110.8 ft. from Pt. 2.

A corrugated iron garage, 12 x 18 ft., course of long sides N.53°W., the S.E. corner of which bears S.72°-42'W. 84.5 ft. from a point, designated as Pt.3, on line 3-4, Sacramento mill site, 294.2 ft. from Cor. No. 4.

A corrugated iron garage, 12 x 18 ft., course of long sides N.53°W., the S.E. corner of which bears N.63°-12'W. 50.0 ft. from Pt.3.

A corrugated iron garage, 12 x 18 ft., course of long sides N.53°W., the S.E. corner of which bears N.06°-58'W. 71.05 ft. from Pt.3.

A corrugated iron garage, 12 x 18 ft., course of long

sides, N.53°W., the S.E. corner of which bears N.13°-01'E. 121.6 ft. from Pt.3.

A corrugated iron pump house, 12 x 14 ft., course east, the S.W. corner of which bears S.39°-13'E. 222.2 ft. from a point on line 1-2, Rain Cloud mill site, 329.1 ft. from Cor. No. 1.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 123 ft. long, which extends from the center of the northwest side of the Junction House N58°-21'W. to the Concentrates bin.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 116 ft. long, which extends from the center of the southeast side of the Junction House S.58°-21'E. to the Filter Plant.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 40 ft. long, which extends from the center of the northeast side of the Junction House N.31°-39'E. to Crushing Plant.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 60 ft. long, which extends from the center of the southwest side of the Junction House S.31°-39'W. to the bedding bins.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 354.0 ft. long, which extends from the center of the northeast end of the Roaster Building N.31°-39'E. to the bedding bins.

A belt conveyor, enclosed with corrugated iron, 9 x 11 ft., 221.5 ft. long, which extends from the northwest corner of the Crushing Plant to and along the side of the Ore Bin.

A 6 in. water pipe which is intersected by line 3-4, Elm No. 1 mill site 131.0 ft. from Cor. No. 3 and which extends thence northwesterly then southwesterly to the tank on the north end of the Skyward mill site as shown on the plat.

A 3 in. water pipe, which extends from the Pump House

on the Rain Cloud mill site southwesterly then northwesterly to the cooling pond on the Skyward and Oak No. 12 mill sites.

A 4 in. water pipe which is intersected by line 2-3, Windsor mill site, 126.4 ft. from Cor. No. 2 and which extends thence northeasterly about 380 ft. to a tee; thence northwesterly to the cooling pond. And, from the tee, northeasterly to the storage pond, as shown on the plat.

A 10 in. compressed air pipe line which extends from the northeast end of the Power House, and follows along the northwest side of the railroad, intersecting line 3-4, Elm No. 1, mill site 538.0 ft. from Cor. No. 3 as shown on the plat.

Two 20 in. circulating pipes which extend from the southeast end of the cooling pond southeasterly to the boiler building and thence, under ground, to the power house.

A power transmission line which is intersected by line 1-2, Safety mill site, 1692.3 ft. from Cor. No. 1, and which extends thence southeasterly to the transformer station as shown on the plat.

A power transmission line which is intersected by line 2-3, San Francisco mill site, 74.5 ft. from Cor. No. 2, and which extends thence southwesterly to a tower near the northeast end of the Power House; thence, by underground conduit, to the Power House. And a transmission line which extends from the Switch House on the Caledonia mill site southeasterly and connects with the above described line, as shown on the plat.

A power transmission line which is intersected by line 2-3, Hard Rock No. 10 mill site, 6.2 ft. from Cor. No. 2 and which extends thence southwesterly to a tower near the northeast end of the Power House and thence, by underground conduit, to the Power House.

A pole line, supporting the anemometer cable, which is intersected by line 2-3, Aldridge mill site, 127.9 ft. from Cor. No. 2, and which extends thence southeasterly to the Office, as shown on the plat.

A pair of 4 in. pipes, laid parallel, 2.0 ft. apart, used for conveying concentrates from the claimant's concentrator to the smelter grounds, which are intersected by line 2-3, San Francisco mill site, 82.7 ft. from Cor. No. 2 and which extend thence in a southwesterly direction to the concentrates receiving tanks on the New Calumet mill site, as shown on the plat.

An 8 in. oil pipe line which extends from the north side of the pump house on the Golden Eagle mill site northerly to a point in the center of the railroad track between the engine house and machine shop, as shown on the plat.

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INSTRUMENT AND DETERMINATION OF MERIDIAN.

This survey was made with a 6 1/4 inch Berger Transit. The distances were measured with 660 ft. and 150 ft. steel tapes. The courses are referred to the meridian as determined by Polaris observations verified by direct Solar observations.

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REPORT.

Monuments of the public survey to which ties are given:

The standard quarter corner for section 35, the standard corner for sections 34 and 35 and the quarter corner between sections 34 and 35, T. 1 S., R. 12 E., G. & S.R.M., are all iron posts with brass caps properly marked. Angle point No. 1, section 35, is a quartzite stone, 10 x 15 x 15 ins. out of the ground, with two grooves on the east side and four grooves on the west side, alongside of which is an iron post with brass cap, properly marked for this corner, except that it is stamped 34 instead of 35. This Angle Point bears S. 89° 54' E. 31.9 ft. from the standard corner for sections 34 and 35, the disagreement between this course and distance and the record being due to error in the original record.

Angle point No. 1, section 34 is a dacite stone, showing 6 x 9 x 10 ins. out of the ground chiseled  $\frac{1}{4}$  on the north face, alongside of which is an iron post with brass cap, properly marked for this corner.

The quarter corner between sections 3 and 4 is a dacite stone, the dimensions of which were not taken, chiseled  $\frac{1}{4}$  on the west face and properly marked for Cor. No. 24, Exchange Survey No. 648, which is identical with said quarter corner.

Exchange Survey No. 648.

Cor. No. 11, Cor. No. 13 and Cor. No. 16, are stones properly marked as described in the approved notes of Exchange Survey No. 648. Cors. 12, 14 and 15 are iron posts with brass caps, marked as described herein.

The disagreement between these notes and lines 11-12, 12-13, 13-14, 14-15 and 15-16 of said Exchange Survey No. 648 as approved is due to errors in said Exchange Survey No. 648.

The monuments of the surveyed lode claims, to which ties are given from Cor. No. 1 of the mill sites in this survey of corresponding name, are posts or stones, properly set and marked. And the monuments of the unsurveyed lode claims, to which ties are given from Cor. No. 1 of the mill sites in this survey of corresponding name, are all 4 x 4 posts, to which are nailed copper plates properly stamped to designate the corner and claim.

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

*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 Magma Copper Company known as the Elm No.1, Elm, Hard Rock No.10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No.12, Aldridge, Hard Rock No.8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento and Rain Cloud mill sites

and showing the respective capacities in which they acted.

- C. A. Pennington ..... , *Chainman.*
- ..... , *Chainman.*
- ..... , *Asman.*
- ..... , *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, .....

I

and I, C. A. Pennington ....., do solemnly swear that we assisted

Edwin T. Stewart ....., United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Magma Copper Company known as the Elm No.1, Elm, Hard Rock No.10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No.12, Aldridge, Hard Rock No.8, Hard Rock No.9, Windsor, Golden Eagle, Sacramento and Rain Cloud mill sites.

known as the .....  
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 Office Cadastral Engineer, at Phoenix, Arizona.

- C. A. Pennington ..... , *Chainman.*
- ..... , *Chainman.*
- ..... , *Asman.*
- ..... , *Flagman.*

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

day of May ....., 19 29.

My commission expires  
November 11, 1932.

M. L. Harrison

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 instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated February 25, 1929,

I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Magma Copper Company known as the Elm No. 1, Elm, Hard Rock No. 10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No. 12, Aldridge, Hard Rock No. 8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento and Rain Cloud mill sites, situate in Pioneer Mining District,

Pinal County, Arizona, in Sections 34 and 35, Township No. 3, Range No. 12 E.

and designated as Survey No. 4095, 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 Office Cadastral Engineer with said instructions, and that all 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 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.

Edwin T. Stewart, U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edwin T. Stewart

U. S. Mineral Surveyor, before me M. L. Harrison, a notary public,

this 3rd day of May, 1929.

My commission expires November 11, 1929.

M. L. Harrison

Notary Public, Gila County, Arizona.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

June 10, 1929

I, Office Cadastral Engineer, at Phoenix, Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Magma Copper Company, known as the Elm No. 1, Elm, Hard Rock No. 10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No. 12, Aldridge, Hard Rock No. 8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento and Rain Cloud Millsites, situated in Pioneer

Mining District Pinal County Arizona in Section 34835, Township No. 1 S. 2 S., Range No. 12 E., and designated as Survey No. 4095, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant or grantors, and that said improvements consist of

[Empty lines for listing improvements]

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.

John D. Adams Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR PUBLIC SURVEY OFFICE

At Phoenix, Arizona

June 10, 1929

I, Office Cadastral Engineer at Phoenix, Arizona

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

Mining Claim of Magma Copper Company, known as the Elm No. 1, Elm, Hard Rock No. 10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No. 12, Aldridge, Hard Rock No. 8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento, and Rain Cloud, Millsites

situate in Pioneer mining district,

Pinal County, Arizona,

in Sections 34 and 35, Township No. 1 S. 2 S., Range No. 12 E.

3

1 S.

2 S.

12 E.

designated as Survey No. 4095

executed by Edwin T. Stewart, U. S. Mineral

Surveyor, March 1 - 15, 1929, under my instructions dated

February 25, 1929, 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 of John D. Adams, Office Cadastral Engineer.