

Copied Sept. 27, 1912,

A L H

AUG 7-1912

4-683.

MINERAL SURVEY No. 2994.

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MAGMA COPPER COMPANY

KNOWN AS THE

SHARK, MONARCH, REDDY PAY, JUMBO, FRACTION, OVERSIGHT NO. 1
OVERSIGHT NO. 3
PIONEER Mining District,

PINAL County, ARIZONA

Section 36, Township 1 S., Range 12 E.G. & S.R.B. & M. Uns.
within the Crook National Forest Reserve.
Surveyed under instructions dated May 24, 1912

by Frank Anderson
U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced May 24, 1912

Survey completed May 29, 1912

6-822

Address of claimant's Atty.,

John H. Page,

Box 984, Phoenix, Arizona.

Name of LocationDate of Amended Location.

Shark	Jan.2, 1906.
Monarch,	Jan.10, 1904.
Reddy Pay	Jan,10, 1904.
Jumbo	Sept.15, 1907.
Fraction,	Oct.28, 1910.
Oversight No.1,	May 17, 1912.
Oversight No.3,	May 17, 1912.

Feet.

SHARK LODGE.

Beginning at Cor. No.1,

A sawed pine post, 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 1-2994-S; whence

The closing corner to ~~cor.~~ sec. 36, on the south boundary of T.1 S., R.12E. G. & S.R.B. & M., bears S.17° 40' W. 1706.8 ft.

Cor.No.4, Sur. No.2860, Skyward Lode, bears N.24° 04' E. 443.9 ft.

No bearing objects available.

Thence N.17° 45' W.

- 219.2 Cor.No.1 Sur.No.2860, Republic lode, on line.
- 272.5 Intersect line 3-4, Sur.No.2860, Skyward lode, at S.61° 06' W. 301.6 ft. from Cor.No.4.
- 850.0 Ridge bearing northwesterly and southerly.
- 1486.2 Intersect line 4-1, Oversight No.1 lode, this survey, at S.77° 09' W. 602.1 ft. from Cor.No.4.
- 1500.0 To Cor.No.2,
 On ridge bearing northwesterly and southeasterly.
 On line 4-1 Sur.No.2860, Republic lode, at S.17° 45' E. 206.5 ft. from Cor.No.4,
 A sawed pine post 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 2-2994-S
 No bearing objects available.

Thence N.64° 09' E.

- 303.0 North end center location corner on line.
- 361.3 Intersect line 1-2, Fraction lode, this survey, at N. 89° 13' E. 114.2 ft. from Cor.No.1, and 69.7 ft. from Cor. No. 2
- 439.9 Intersect line 2-3, Fraction lode, this survey at N.1° 56' E. 33.4 ft. from Cor.No.2.
- 606.0 To Cor.No.3,

SURVEY NO. 2994.

Feet.

On lines 3-4 and 1-2, Oversight No.1 and Oversight No. 3 lodes, this survey, at S.17° 45'E. 94.7 ft. from Cor. Nos. 3 and 2, respectively,

A sawed pine post 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 3-2994-S.

Cor. No. 2, Fraction lode, this survey, bears S.54° 55' W. 184.0 ft.

No bearing objects available.

Thence S.17° 45'E.

150.6 Cor. No. 4, Oversight No. 1 lode, this survey, on line.
1203.8 Intersect line 2-3, Monarch lode, this survey, at N.86° 13'E. 12.8 ft. from Cor. No. 2;

1260.0 Queen Creek, 10 ft. wide, flowing during the spring, drains southerly.

1383.3 Cor. No. 1, Oversight No. 3 lode, this survey, on line,

1500.0 To Cor. No. 4,

A sawed pine post, 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 4-2994-S; whence

Cor. No. 2, Monarch lode, this survey, bears N.20° 08' W. 299.5 ft.

No bearing objects available.

Thence S.64° 09'W.

106.3 Intersect line 1-2, Monarch lode, this survey, at S.1° 18'E. 327.7 ft. from Cor. No. 2,

140.0 Queen Creek, 10 ft. wide, flowing in the spring, drains southerly.

250.9 Intersect line 4-1 Sur. No. 2860, Skyward lode, at S.28° 57'E. 286.3 ft. from Cor. No. 4,

303.0 South end center location corner on line, whence the discovery bears N.17° 45'W. 176.3 ft.

SURVEY NO. 2994.

Feet.
606.0

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

MONARCH LODE.

Beginning at Cor.No.1,

A sawed pine post, 4 ins.sq., 4 ft.long, set 18 ins. in a rocky cliff in large mound of stone, scribed 1-2994-M; whence,

The closing corner ~~to cor.~~ to sec.36 on the S.bdy.of T.1 S., R.12 E.G.& S.R.B.& M.bears S.31° 46'W. 1849.4 ft.

No bearing objects available.

Thence N 1° 18'W.

65.0 Queen Creek, 10 ft.wide, flowing during the spring, drains Southeasterly.

272.0 Intersect line 4-1, Shark lode, this survey, at S.64° 09'W.106.3 ft. from Cor.No.4.

299.7 West end center location corner, on line; whence the discovery bears N.86° 04'E.25.2 ft,

425.0 Queen Creek, 10 ft.wide, flowing during the spring, drains southerly.

599.7 To Cor.No.2,
A sawed pine post, 4 ins.square, 4 ft.long, set 18 ins.in the ground, in mound of earth and stone, scribed 2-2994-M

No bearing objects available.

Thence N.86°13'E.

12.8 Intersect line 3-4, Shark lode, this survey, at N.17° 45'W.296.2 ft,from Cor.No.4; also

Intersect line 1-2, Oversight No.3 lode, this survey, at N.17° 45'W.179.5 ft.from Cor.No.1,

SURVEY NO. 2994.

Feet.

- 45.0 Queen Creek, 10 ft. wide, flowing during the spring, drains southerly.
- 247.4 Intersect lines 3-4 and 1-2, Oversight No. 3 and Reddy Pay lodes, this survey, at N. 17° 23' W. 130.1 ft. from Cor. Nos. 4 and 1, respectively.
- 580.0 Ridge, bearing northeasterly and southwesterly.
- 864.5 Cor. No. 4, Reddy Pay lode, this survey, on line, Cor. No. 1 brs. S. 74° 03' W. 600 ft.
- 952.6 To Cor. No. 3,
 A sawed pine post 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 3-2994-M.
 No bearing objects available.
-
- Thence S. 1° 18' E.
- 297.5 East end center location corner, on line.
- 594.2 To Cor. No. 4,
 A sawed pine post, 4 ins. square, 4 ft. long, set 18 ins. in mound of earth and stone, scribed 4-2994-M; whence Cor. No. 4, Sur. No. 2860, New Calumet lode, bears N. 23° 30' W. 494.8 ft.
 No bearing objects available.
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- Thence S. 85° 53' W.
- 71.4 Intersect line 4-1, Sur. No. 2860, New Calumet lode, at S. 15° 22' E. 475.9 ft. from Cor. No. 4,
- 704.3 Intersect line 3-4, Sur. No. 2860, New Calumet lode, at S. 45° 03' W. 713.8 ft. from Cor. No. 4.
- 835.0 Queen Creek, 10 ft. wide, flowing in the spring, drains southeasterly.
- 952.9 To Cor. No. 1.
 The place of beginning.
-

SURVEY NO, 2994.

Feet.

REDDY PAY LODE.

Beginning at Cor.No.1,

Identical with Cor.No.4, Oversight No.3 lode, this survey.

A sawed pine post 4 ins.square, 4 ft.long, set 18 ins. in the ground, in mound of earth and stone, scribed 1-2994- R P and 4-2994- 0.3; whence

The closing corner ~~to cor.~~ to sec.36 on the S.bdy.of T. 1 S.R.12 E., G.& S.R.B.& M. bears S.31° 07'W. 2410.9 ft. No bearing objects available.

Thence N.17° 23'W.

130.1 Intersect line 2-3, Monarch lode, this survey, at N.86° 13'E. 247.4 ft.from Cor.No.2,

475.0 Queen Creek, 10 ft.wide, flowing during the spring, drains squthwesterly.

1477.9 To Cor.No.2,

Identical with Cor.No.3, Oversight No.3 lode, this survey,

On line 1-2, Sur.No.2144, Silver and Copper Pocket lode, at S.74° 03'W.600.0 ft.from Cor.No.2,

A sawed pine post 4 ins.square, 4 ft.long, set 18 ins. in the ground, in mound of earth and stone, which I scribed 2-2994-R P and 3-2994 0.3

No bearing objects available.

Thence N.74° 03'E.

300.0 North end center location corner on line; whence the discovery bears S.17° 23'E.542.0 ft.; also Gulch draining southerly.

415.0 Gulch draining southerly.

600.0 To Cor.No.3,

Identical with Cor.No.2, Sur.No.2144, Silver and Copper Pocket lode,

SURVEY NO. 2994.

Feet. A dacite stone 14 x 6 ins., extending 16 ins. above the ground, firmly set and marked with a cross (X) and 2-S & C P- 2144 chiseled thereon, and which I chiseled 3-2994- R P; mound of stones alongside.

A dacite boulder 12 x 8 ft., 6 ft. high, chiseled B R-3-2994 R P, bears N.34° 12' W. 11.9 ft.

Thence S.17° 23'E.

840.0 Queen Creek, 10 ft. wide, flowing during the spring, drains southwesterly.

1380.0 Ridge bearing northeasterly and southwesterly.

1477.9 To Cor.No.4,

On line 2-3, Monarch lode, this survey, at S.86° 13' W. 88.1 ft. from Cor.No.3,

A sawed pine post, 4 ins. square, 4 ft. long, set 18 ins. in the ground, in mound of earth and stone, scribed 4-2994-R P

No bearing objects available.

Thence S.74° 03' W.

300.0 South end center location corner, on line.

420.0 Ridge bearing northeasterly and southwesterly.

600.0 To Cor.No.1,

The place of beginning.

SURVEY NO. 2994.

Feet.

JUMBO LODE.

Beginning at Cor.No.1,

Identical with Cor.No.2, Oversight No.1 lode, this survey,

A sawed pine post, 4 ins.square, 4 ft.long, set 18 ins.in the ground, in mound of earth and stone, scribed 1-2994-J, and 2-2994-O.1; whence

The closing cor.~~to cor.~~to sec.36 on the south boundary of T.1 S., R.12 E., G.& S.R.B.and M. bears S.5° 51'E. 3219.6 ft.

Cor.No.4, Sur.No.2860, Republic lode, bears N.81°28' E.329.9 ft.

No bearing objects available.

Thence N.89° 13'E.

51.7 Intersect line 4-1, Sur.No.2860, Caledonia lode, at S. 15° 11'E.175.7 ft.from Cor.No.4,

189.9 Intersect line 3-4, Sur.No.2860, Republic lode, at S.71° 15' W. 1441. ft. from Cor. No. 4. Said line 3-4 Republic lode intersects line 4-1 Silver and Copper Pocket lode, Sur.No.2144, 12.5 ft.from Cor.4 Republic lode, and 7 ft. from Cor. 300.0 South end center location corner, on line; also

No.1 Silver and Copper Pocket lode.

Ridge bearing northwesterly and southeasterly.

340.5 Intersect line 4-1, Sur.No.2860, Republic lode, at S.17° 45'E. 46.5 ft.from Cor.No.4. Said line 4-1 Republic lode intersects line 1-2 Silver and Copper Pocket lode, Sur.No.2144, 7.6 ft. from Cor.No.4 Republic lode and 13.5 ft.from Cor. 600.0 No. 1 Silver and Copper Pocket lode. To Cor.No.2,

Identical with Cor.No.1, Fraction lode, this survey,

A sawed pine post, 4 ins.square, 4 ft.long, set 18 ins.in the ground, in mound of earth and stone, scribed 2-2994-J and 1-2994-F.

No bearing objects available.

Thence N.1° 56'E.

112.1 Intersect line 1-2, Sur.No.2144, Silver and Copper Pocket lode, at N.74° 03'E.299.8 ft.from Cor.No.1,

129.7 Intersect line 2-3, Oversight No.1 lode, this survey,

Feet.

at N.77° 09'E.619.8 ft.from Cor.No.2,

739.8 Intersect line 3-4, Sur.No.2144, Silver and Copper Pocket

lode, at N.74° 10'E.426.7 ft.from Cor.No.4; Cor. No.1 said

1498.5 lode brg.S.9°40'E.602 ft.from Cor.No.4 hereof.
To Cor.No.3,

Identical with Cor.No.4, Fraction lode, this survey.

On line 3-4 Lot No.41, Hub lode, at S.89° 13'W. 117.6
ft.from Cor.No.3,A sawed pine post, 4 ins.square, 4 ft.long, set 18 ins.
in the ground, in mound of earth and stone, scribed 3-
2994-J and 4-2994-F

No bearing objects available.

Thence S.89° 13'W.300.0 North end center location corner, on line; whence the
discovery bears S.1° 56'W.732.5 ft.

520.0 Ridge bearing northeasterly and southeasterly.

600.0 To Cor.No.4,

On line 3-4, Lot No.41, Hub lode, at N.89° 13'E. 14.5
ft.from Cor.No.4, ^{which is} identical with Cor.No.6, Lot No.42,
Irene lode; alsoOn line 4-1, Sur.No.2860, Sunnyside lode, at N.1°56'E.
1328.1 ft.from Cor.No.1,A sawed pine post 4 ins.square, 4 ft.long, set 18 ins.
in the ground, in mound of earth and stone, scribed 4-
2994-J

No bearing objects available.

Thence S.1° 56'W.1328.1 Cors.Nos.1 and 4 Sur.No.2860, Sunnyside and Caledonia
lodes, respectively, on line.

1498.5 To Cor.No.1,

The place of beginning.

Feet.

FRACTION LODE.

Beginning at Cor.No.1,

Identical with Cor.No.2, Jumbo lode, this survey,

The closing corner ~~to cor.~~ to sec.36 on the south boundary of T.1 S., R.12 E. G.& S.R.B.& M. bears S.4° 50'W.3222.4 ft.

Thence N.89° 13'E.

- 58.7 South end center location corner, on line.
- 114.2 Intersect line 2-3, Shark lode, this survey, at N.64°09' E.361.3 ft.from Cor.No.2,
- 183.9 To Cor.No.2,
- A sawed pine post 4 ins.square, 4 ft.long, set 18 ins. in the ground, in mound of earth and stone, scribed 2-2994-F; whence
- Cor.No.4, Sur.No. 2144, Silver and Copper Pocket lode, bears N.42° 32'W.842.2 ft.
- No bearing objects available.
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- Thence N.1° 56'E.
- 33.4 Intersect line 2-3, Shark lode, this survey, at N.64°09' E. 439.9 ft.from Cor.No.2,
- 162.7 Intersect line 1-2, Sur.No.2144, Silver and Copper Pocket lode, at N.74° 03'E.492.8 ft.from Cor.No.1,
- 169.5 Intersect line 2-3, Oversight No.1 lode, this survey, at N.77° 09'E. 809.8 ft.from Cor.No.2,
- 784.3 Intersect line 1-2, Sur.No.2144, Queen No.2 lode, at N.88° 11'E. 22.3 ft.from Cor.No.1.
- 790.0 Intersect line 3-4, Sur.No.2144, Silver and Copper Pocket lode, at N.74° 10'E.619.6 ft.from Cor.No.4, and 23.4 ft. from Cor.No.1 Queen No.2 lode, Sur.No.2144, on said line.
- 1400.0 Gulch, draining southeasterly.
- 1498.5 To Cor.No.3,
- A sawed pine post 4 ins.square, 4 ft.long, set 18 ins. in the ground, in mound of earth and stone, scribed 3-

Feet. 2994-F; whence

Cor.No.1, Sur.No.2144, Queen No.2 lode, bears S.3°43'
W.716.0 ft.

No bearing objects available.

Thence S.89° 13'W.

10.0 Gulch draining southerly.

66.3 Cor.No.3, Lot No.41, Hub lode, on line; also

Intersect line 4-1, Sur.No.2144, Queen No.2 lode, at
N.1° 36'W. 713.9 ft.from Cor.No.1.

125.2 North end center location corner; whence the discovery
bears S.1° 56'W. 284.0 ft.

183.9 To Cor.No.4,

Identical with Cor.No.3, Jumbo lode, this survey, heretofore
described.

On line 3-4, Lot No.41, Hub lode, at S.89° 13'W.117.6
ft.from Cor.No.3.

Thence S.1° 56'W.

758.7 Intersect line 3-4, Sur.No.2144, Silver and Copper Pocket
lode, at N.74° 10'E. 426.7 ft.from Cor.No.4.

1368.8 Intersect line 2-3, Oversight No.1 lode, this survey, at
N.77° 09'E. 619.8 ft.from Cor.No.2.

1386.4 Intersect line 1-2, Sur.No.2144, Silver and Copper Pocket
lode, at N.74° 03'E. 299.8 ft.from Cor.No.1.

1498.5 To Cor.No.1,

The place of beginning.

OVERSIGHT NO. 1 LODE.

Beginning at Cor.No.1,

A sawed pine post, 4 ins.square, 4 ft.long, set 18 ins.
in the ground, in mound of earth and stone; scribed 1-
2994-0.1; whence

The closing corner ~~to cor.~~ to sec.36 on the south bounda-

SURVEY NO. 2994.

Feet. ry of T.1 S., R.12 E., G.& S.R.B.and M.bears S.4° 53'E.
 2980.0 ft.
 No bearing objects available.

Thence N.17° 45'W.

100.3 West end center location corner, on line.
 186.7 Intersect line 3-4, Sur.No.2860, Republic lode, at S.71°
 15'W.325.6 ft.from Cor.No.4, and 47.5 ft.from its inter-
 section with line 4-1 Caledonia lode,Sur.No.2860.
 245.3 To Cor.No.2,
 Identical with Cor. No.1, Jumbo lode, this survey, hereto-
 fore described.

Thence N.77° 09'E.

50.1 Intersect line 4-1, Sur.No.2860, Caledonia lode, at S.
 15° 11'E.164.9 ft.from Cor.No.4,
 300.0 Ridge bearing northwesterly and southeasterly.
 317.9 Intersect line 4-1, Sur.No.2144, Silver and Copper Pock-
 et lode, at N.9° 40'W. 33.2 ft.from Cor.No.1,
 619.8 Intersect lines 2-3 and 4-1 Jumbo and Fraction lodes,
 this survey, at N.1° 56'E. 129.7 ft.from Cors.Nos.2 and 1
 respectively.
 809.8 Intersect line 2-3, Fraction lode, this survey, at N.1°
 56'E.169.5 ft.from Cor.No.2.
 928.8 To Cor.No.3,
 Identical with Cor.No.2, Oversight No.3 lode, this survey,
 On line 1-2, Sur.No.2144, Silver and Copper Pocket lode
 at N.74° 03'E.613.6 ft.from Cor.No.1,
 A sawed pine post 4 ins.square, 4 ft.long, set 18 ins.
 in the ground, in mound of earth and stone, scribed 3-
 2994-0-1, and 2-2994 0-3.
 No bearing objects available.

Thence S.17° 45'E.

94.7 Cor.No.3, Shark lode, this survey, on line.
 145.0 East end center location corner on line; whence the dis-

Feet. covery bears S.77° 09'W.365.0 ft.
 245.3 To Cor.No.4,
 On line 3-4, Shark lode, this survey, and on line 1-2
 Oversight No.3 lode, this survey,
 A sawed pine post 4 ins.square, 4 ft.long, set 18 ins.
 in the ground, in mound of earth and stone, scribed 4-
 2994-0-1
 No bearing objects available.

Thence S.77° 09'W.

602.1 Intersect line 1-2, Shark lode, this survey, and line
 1-4 Republic lode, Sur.No.2860, at S.17°45'E.13.8 ft. and
 220.3 ft.from Cors.Nos. 2 and 4 respectively.

Ridge bearing northwesterly and southeasterly.

889.7 Intersect line 4-1, Sur.No.2860, Caledonia lode, at S.
 15° 11'E. 409.5 ft; from Cor.No.4, 191.1 ft. from its
 intersection with line 3-4 Republic lode, Sur. No. 2860.
 928.8 To Cor.No.1,

The place of beginning.

OVERSIGHT NO. 3 LODE.

Beginning at Cor.No.1,

On line 3-4, Shark lode, this survey, at N.17° 45'W.
 116.7 ft.from Cor.No.4,

A sawed pine post 4 ins.square, 4 ft.long, set 18 ins.
 in the ground, in mound of earth and stone, scribed 1-
 2994- 0-3; whence

The closing corner ~~to cor.~~ to sec.36 on the S.bdy.of
 T.1 S.R.12 E.G.& S.R.B.and M .bears S.27°11'W.2250.1 ft.

No bearing objects available.

Thence N.17° 45'W.

123.3 Queen Creek, 10 ft.wide , flowing in the spring, drains
 southerly.

179.5 Intersect line 2-3, Monarch lode, this survey, at N.86°

Feet. 13' E. 12,8 ft. from Cor.No.2.
 1232.7 Cor.No.4, Oversight No.1 lode, this survey, on line .
 1383.3 Cor.No.3 Shark lode, this survey, on line.
 1478.0 To Cor.No.2,

Identical with Cor.No.3, Oversight No.1 lode, this survey.

On line 1-2, Sur.No.2144, Silver and Copper Pocket lode, at N.74° 03'E. 613.6 ft. from Cor.No.1,

Thence N.74° 03'E.

140.0 North end center location corner, on line; whence the discovery bears S.17° 15'E. 43.5 ft.

236.4 To Cor.No.3,

Identical with Cor.No.2, Reddy Pay lode, this survey, heretofore described.

On line 1-2, Sur.No.2144, Silver and Copper Pocket lode, at S.74° 03'W. 600.0 ft. from Cor.No.2,

Thence S.17° 23'E.

1002.9 Queen Creek 10 ft. wide, flowing during the spring, drains southwesterly.

1347.8 Intersect line 2-3, Monarch lode, this survey, at N.86° 13'E. 247.4 ft. from Cor.No.2.

1477.9 To Cor.No.4,

Identical with Cor.No.1, Reddy Pay lode, this survey.

Thence S.74° 03'W.

100.0 South end center location corner, on line.

226.9 To Cor.No.1,

The place of beginning.

The variation is $13^{\circ} 40' E$.

LODE LINES.

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

Shark lode, $N. 17^{\circ} 45' W. 1323.7$ ft. and $S. 17^{\circ} 45' E. 176.3$ ft.

Monarch lode, $N. 86^{\circ} 04' E. 927.6$ ft. and $S. 86^{\circ} 04' W. 25.2$ ft.

Reddy Pay lode, $N. 17^{\circ} 23' W. 542.0$ ft. and $S. 17^{\circ} 23' E. 935.9$ ft.

Jumbo lode, $N. 1^{\circ} 56' E. 732.5$ ft., and $S. 1^{\circ} 56' W. 766.0$ ft.

Fraction lode, $N. 1^{\circ} 56' E. 284.0$ ft. and $S. 1^{\circ} 56' W. 1214.5$ ft.

Oversight No. 1 lode, $N. 77^{\circ} 09' E. 365.0$ ft., and $S. 77^{\circ} 09' W. 563.8$ ft.

Oversight No. 3 lode, $N. 17^{\circ} 15' W. 43.5$ ft. and $S. 17^{\circ} 15' E. 1434.3$ ft.

A R E A .

Total area Shark lode,	20.659 acs. ✓
Area in conflict with Sur.No.2860, Skyward lode,	2.091 " ✓
Monarch lode, this survey,	0.406 " ✓
Total area Monarch lode,	13.042 acs. ✓
Area in conflict with Sur.No.2860, New Calumet lode,	3.391 " ✓
Total area Reddy Pay lode,	20.350 acs. ✓
Area in conflict with Monarch lode, this survey,	0.896 " ✓
Total area Jumbo lode,	20.617 acs. ✓
Area in conflict with	

SURVEY NO. 2994.

Sur.No.2144, Silver and Copper Pocket lode,	4.987	acs.
Sur.No.2860, Caledonia lode,	0.101	"
Sur.No.2860, Republic lode,	0.077	"
Sur.No.2860, Republic lode, less area in ^{common} conflict with Sur.No.2144, Silver and Copper Pocket lode, (.002)	0.075	"
Total area Fraction lode,	6.319	acs.
Area in conflict with		
Sur.No.2144 Queen No.2 lode,	0.726	"
Sur.No.2144, Silver and Copper Pocket lode,	2.646	"
Sur.No.2144, Silver and Copper Pocket lode, less area in ^{common} conflict with Sur.No.2144, Queen No.2 lode, (.001)	2.645	"
Shark lode, this survey,	0.027	"
Total area Oversight No.1 lode,	5.211	acs.
Area in conflict with		
Sur.No.2144, Silver and Copper Pocket lode,	0.232	"
Sur.No.2860, Republic lode,	1.521	"
Sur.No.2860, Republic lode, less area in ^{common} conflict with Sur.No.2144, Silver and Copper Pocket lode, (.002)	1.519	"
Sur.No.2860, Caledonia lode,	0.250	"
Sur.No.2860, Caledonia lode, less area in ^{common} conflict with Sur.No.2860, Republic lode, ^(.188)	0.062	"
Shark lode, this survey,	1.132	"
Jumbo lode, this survey,	0.892	"
Jumbo lode, this survey, less area in ^{common} conflict with Sur.No.2144, Silver and Copper Pocket lode, (.173)	0.719	"
Jumbo lode, this survey, less area in ^{common} conflict with Sur.No.2860, Republic lode, (.077)	0.815	"
Jumbo lode, this survey, less area in ^{common} conflict with Sur.No.2860, Republic lode, ^(.077) less area ^{said Republic lode} in conflict with Sur.No.2144, Silver and Copper Pocket lode, (.002)	0.817	"
Jumbo lode, this survey, less area in ^{common} conflict-		

Conflict with Sur.No.2860,Caledonia lode, (.006)	0.886	acs.
Jumbo lode, this survey, less area in ^{common} conflict		
with Sur.No.2144,Silver and Copper Pocket lode,		
Sur.No.2860,Republic and Caledonia lodes,	0.638	"
Fraction lode, this survey,	0.631	"
Fraction lode, this survey,less area in common conflict		
Conflict with Sur.No.2144,Silver and Copper		
Pocket lode, (.051)	0.580	"
Fraction lode, this survey,less area in common conflict		
Conflict with Shark lode, this survey, (.027)	0.604	"
Fraction lode, less area in ^{common} conflict with		
Sur.No.2144,Silver and Copper Pocket lode, and		
Shark lode, ^(.027) this survey,	0.553	"
Total area Oversight No.3 lode,	7.857	"
Area in conflict with		
Monarch lode, this survey,	0.808	"

The survey of each lode of this survey is identical with the respective amended locations as staked upon the ground, all corners of which were found standing in place.

The end center location corners of the Shark, Monarch, Jumbo, and Oversight No.1 lode, and the North End Center location corners of the Reddy Pay, Fraction, and Oversight No.3 lodes, are sawed pine posts, 4 ins. square, properly set and marked. The South End Center location corners of the Reddy Pay, Fraction, and Oversight No.3 lodes are large monuments of stone, properly marked by a piece of paper contained therein.

LOCATION.

This survey is located in unsurveyed ^{Sec. 36,} T.1 S., R.12 E., G. & S.R.B. & M., Pioneer Mining District, Pinal Co., Arizona; within the Crook National Forest Reserve.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of this claim, placed thereon by the claimant or its granters, is not less than five hundred dollars for each location; and that

said improvements consist of:-

SHARK LODGE.

No.1 Discovery cut, averages 4 x 5 ft. in wash and solid rock, the mouth of which, where it breaks cover, bears S.77° 30'E. 8.4 ft. from the Discovery point, ^{which is on the lode line 176.3 ft. from S.E.C.,} From mouth cut runs N.77° 30'W. 12.5 ft. to face.

Value of cut, \$25.00.

No.2, Open cut and tunnel, all in solid rock; the center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor.No.1 N.8°05'E. 408.7 ft.

From face of cut averaging 4 x 4.5 ft., cut runs S.75° 33'E. 14.0 ft. to mouth, where it breaks ground.

From mouth of tunnel 4 x 6 ft., 44.5 ft. long, tunnel runs N.75°33'W. 17.5 ft. to point "A"; thence N.16° 30'E. 12.5 ft. to face. From point "A" tunnel also runs S.20° 30'W. 14.5 ft. to face.

Value of cut and tunnel \$275.00.

No.3 Open cut and tunnel, in wash and broken rock; the center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor.No.4 N.48° 45'W. 303.8 ft.

From face of cut averaging 4 x 5.5 ft. deep, cut runs S.59° 41'E. 21.0 ft. to mouth, where it breaks ground.

From mouth of tunnel 4 x 6 ft. tunnel runs N.35°00'W. 16.5 ft. to face.

Value of cut and tunnel \$100.00.

No.4 Open cut and tunnel, cut mostly in solid rock, tunnel all in solid rock, the center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor. No.4 N.36° 31'W. 409.4 ft.

From face of cut, averaging 7 x 9 ft., cut runs S.63° 30'E. 26.5 ft. to mouth, where it breaks ground.

From mouth of tunnel 4 x 6 ft., tunnel runs N.63° 30'W. 11.5 ft. to face.

Value of cut and tunnel \$125.00.

Note:

An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, \$59500.00

Value of one-fourteenth interest,..... \$4250.00.

MONARCH LODE.

- No.1 Discovery shaft, tunnel, and gouge, all in solid rock; the center of shaft 4 x 6 ft., by 6 ft. deep, being the discovery point is on the lode line at N.86° 04'E.25.2 ft. from the west end center. From the discovery point mouth of tunnel, where it breaks cover, bears N.70° 00'W. 9.0 ft. From mouth tunnel 6 x 6 ft. runs S.70° 00'E.12.0 ft. to face. At a point N.70° 00'W.5.0 ft. from face of tunnel is a gouge on right, averaging 6x8 ft. by 6 ft. high.
- Value of shaft, gouge, and tunnel \$150.00
- No.2 Monarch Tunnel 4 x 6 ft., 315.0 ft. long, and two drifts from same, all in solid rock, the center of mouth of which, where it breaks cover, bears from Cor. No. 1 N.4° 25'E. 290.7 ft.
- From mouth tunnel runs N.68° 27'E.20.4 ft. to a point;
 Thence S.75° 17'E.70.1 ft. to a point;
 Thence S.84° 34'E.68.9 ft. to a point;
 Thence S.62° 35'E.25.4 ft. to a point;
 Thence S.79° 58'E.95.7 ft. to a point;
 Thence N.73° 54'E.12.2 ft. to a point: "A"
 Thence S'3° 43'E.12.9 ft. to a point: "
 Thence S.67° 45'E.9.4 ft. to face: "
- From point "A" a drift 4 x 6 ft. 3.5 ft. long, runs N.83° 45'E.5.5 ft. to face.
- From point "A" a drift 4 x 6 ft., 7.0 ft. long, runs N.9° 30'E.9.0 ft. to face.

Value of tunnel and drifts \$3255.00

No.3, Shaft 4 x 6 ft., by 45.0 ft. deep, all in solid rock, the center of which bears from Cor.No.2 S.55°54'E.414.9 ft.

Value of shaft, \$450.00

No.4, Open cut and two tunnels, all in solid rock, the center of face of cut bears from Cor.No.2 S.45° 30'E. 380.7 ft., and cut, averaging 6 x 5 ft. deep,, runs thence S.88° 18' W. 31.0 ft. to mouth, where it breaks ground. At face of cut is mouth of tunnel 4 x 6 ft. where it breaks cover, and runs thence N.88° 18'E.31.0 ft. to face. From a point in cut N.88° 18'E.22.0 ft. from its mouth is mouth of tunnel where it breaks cover, and tunnel 4 x 6 ft. by 8 ft. long runs thence S.37° E.8.0 ft. to face.

Value of cut and tunnels \$300.00.

Note:

An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, \$59500.00

Value of one-fourteenth interest, \$4250.00.

REDDY PAY LOPE.

No.1, Discovery shaft 6 x 8 x 8 ft. deep, in solid rock, the center of which, being the discovery point, is on the lode line at S.17°23'E.542.0 ft. from the north end center.

Value of shaft, \$80.00.

No.2, Shaft 5 x 5 by 8 ft. deep, in solid rock, the center of which bears S.41°31'E.456.0 ft. from Cor.No.2.

Value of shaft, \$75.00.

No.3, Open cut and tunnel; cut is in wash and rock; tunnel all in rock; center of mouth of tunnel where it breaks cover, which is at face of cut, bears from Cor.No.2 S.58°25'E. 312.9 ft.

From face of cut, averaging 6 x 10 ft., cut runs S. 53° 31'E.28.0 ft. to face.

From mouth of tunnel 4 x 6 ft. tunnel runs N.53°31'W. 16.5 ft. to face.

Value of cut and tunnel \$225.00

No.4, Open cut and tunnel, all in solid rock, the center of mouth of cut, where it breaks ground, bears from Cor.No.1 N.10°48'E.585.2 ft. From mouth of cut averaging 4 x 7 ft. deep, cut runs S.24°17'E.11.0 ft. to face. At face of cut is mouth of tunnel where it breaks cover and tunnel 4 x 6 ft. runs thence S.24°17'E.75.0 ft. to face.

Value of cut and tunnel, \$75.00.

No.5, Open cut and tunnel, cut is in wash and rock; tunnel all in solid rock; the center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor. No.1, N.8°48'E.538.5 ft. From face of cut, averaging 5 x 7 ft. cut runs N.22°16'W.17.0 ft. to mouth, where it breaks ground. From mouth of tunnel 4 x 5 ft., tunnel runs S.22°16'E.6.0 ft. to face.

Value of cut and tunnel, \$75.00.

Note:

An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, \$59500.00

Value of one-fourteenth interest, \$4250.00

JUMBO LODGE.

No.1 Discovery cut, averaging 15 x 7 ft. by 5 ft. deep, the center of the easterly end of which, being the Discovery point, is on the lode line, at S.1°56'W.732.5 ft. from the north end center. From the easterly end, cut runs N. 83°10'W.15.0 ft. to the westerly end of cut. Cut is in wash and solid rock.

Value of cut,\$25.00

No.2, An undivided 7/14 interest in a shaft, level, drifts, and stope from same, all in solid rock. Shaft is two compartment, well timbered, 4.5 x 9 ft. 821.0 ft. deep,

N.67°00'E.7.0 ft.to a point; thence

N.79° 42'E.58.6 ft.to face.

At point "B" level also runs thence

S.75° 30'W. 30.1 ft.to a point; thence

S.40° 55'W.13.9 ft.to a point; thence

S.29° 21'W. 31.4 ft.to a point; thence

S.11° 19'W.24.0 ft.to a point; thence

S.45° 00'W. 19.6 ft.to face.

At a point S.77° 39'W.12.0 ft. from point "C" a drift 4 x 6 x 15 ft.runs south 17.0 ft.to face.

From point "D" drift: 4 x 6 x 26.0 ft.runs S.25° 00'E. 31.0 ft.to face.

From point "E" a drift 4 x 6 x 7 ft. runs South 7.0 ft. to face.

Value of shaft, level, drifts, and stope,.....\$59500.00

Value of one-fourteenth interest, \$4250.00

An undivided 7/14 interest in the above described improvement is credited to the Shark; Monarch; Reddy Pay, Jumbo, Fraction, Oversight No.11, and Oversight No. 3 lodes, all of this survey.

The remaining 7/14 interest is credited to Lots Nos.41 and 42, Hub and Irene lodes, respectively, Sur.No. 2144, Silver Tip lode; Sur.No.2995, Silver Tip Ext. and Horse Shoe lodes; Sur.No.2996, Aldridge lode; and Sur. No.2997, Oversight No.7 lode.

The first 410.0 ft.of said shaft was applied as Improvement No.3 on Lot No.41, Hub lode; 11.0 ft.was done by claimant's predecessors, and has not been applied on any lode. The last 400 ft.of shaft, level, drifts, and stope from same was done by claimant for the particular benefit of the lodes of this survey and Sur.No.2995, Silver Tip Ext.and Horse Shoe lodes; Sur. No.2996, Aldridge lode; and Sur.No.2997, Oversight No.7 lode; subsequent to the location of said lodes; and the value of which exceeds \$500.00 for each location.

course of long side is N.86°W. The center of the westerly compartment of which bears from Cor.No.4 Jumbo lode, this survey N.36° 28'E.382.0 ft.

Shaft is entered through a tunnel 4 x 6 ft.520.0 ft. long, the center of the mouth of which, where it breaks cover, bears from Cor.No.4, Jumbo lode, this survey, N. 50° 59'W.376.4 ft., and tunnel runs thence N.80° 56'E. 520.0 ft.to point "A"; thence S.26°52'E.13.1 ft.to a point in the center of the westerly compartment of shaft, 215.0 ft.down from collar. Point "A" is at entrance to station 44 x 13 ft., course of long side is N.2°00'E.

At a point 803.0 ft.down from collar of shaft a level 4 x 6 ft.664.0 ft.long runs thence
 N.17° 17'E.23.2 ft.to a point; thence
 N.3° 59'W.36.4 ft.to a point; thence
 N.0°54'E.157.8 ft.to a point; thence
 N.0° 49'E.137.5 ft.to point "B"; thence
 N.79° 12'E.49.0 ft.to a point; thence
 N.87° 09'E.31.2 ft.to a point; thence
 N.77° 39'E.25.0 ft.to point "C"; thence
 S.66° 36'E.19.3 ft.to a point at entrance of stope, averaging 17 x 15 ft.high, 95.0 ft.long; thence around stope
 North 3.5 ft.to a point; thence
 N.78° 40'E.47.0 ft.to a point; thence
 S.52° 00'E.7.0 ft.to a point; thence
 N.81°45'E.39.0 ft.to a point; thence
 S.25° 00'E.14.0 ft.to a point "D"; thence
 S.25° 00'E.5.1 ft.to a point; thence
 S.83° 00'W.57.0 ft.to point "E"; thence
 N.75° 30'W. 19.0 ft.to a point; thence
 S.74°30'W.12.0 ft.to a point; thence
 N.36° 30'W. 6.5 ft.to a point; thence
 West 7.9 ft.to a point; thence
 North 3.5 ft.to point at entrance to stope, the place of beginning.)
 From point "D" level continues thence

SURVEY NO. 2994.

The aforesaid tunnel was run by claimant for the general development of its property, and has not been applied; nor is it claimant's intention to apply it as an expenditure on any lode.

This improvement is situated on Lot No.41, Hub lode, and Sur.No.2144 Silver Tip lode, and tends to the development of the above mentioned lodes, inasmuch as the level and drifts continued on their present courses will intersect at depth the veins of said lodes, and is a most economical and practical method for their development. The level and drifts will pass beneath all intervening gulches and Queen Creek.

No.3 Open cut, averaging 7 x 6 ft.deep, in wash and solid rock, the center of face of which bears from Cor.No.4, S. 15° 16'E.731.3 ft., and runs thence S.76°E.27.0 ft.to mouth, where it breaks ground. Value of cut, \$50.00.

No.4, Shaft 4 x 6 ft., averaging 10.5 ft.deep, in solid rock, the center of which bears S.18°02'W.815.8 ft. from Cor.No.3.

Value of shaft,\$100.00

No.5, Open cut and tunnel, all in solid rock. The center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor.No.3 S.13°38'W.810.9 ft.;and tunnel 4 x 6 ft.runs thence N.73°14'W.23.0 ft.to face. From face of cut, averaging 6 ft. x 5 ft.deep, cut runs S.73°14'E.11.0 ft.to mouth, where it breaks ground.

Value of cut and tunnel \$200.00

No.6, Shaft 6 x 6 ft.by 7 ft.deep, all in solid rock, the center of which bears S.84° 43'W.253.5 ft. from Cor.No.3.

Value of shaft, \$70.00

No.7, Open cut and shaft, all in conglomerate rock, the center of mouth of cut, where it breaks ground, bears from Cor. No.4, S.38° 37'E.275.8 ft. From mouth, cut averaging 4 x 5.5 ft. runs thence S.53° 48'W.15.0 ft.to face. At a point S.53° 48'W.12.0 ft. from mouth of cut, is a shaft 4 x 6 ft., the bottom of which is 5.0 ft.below level of cut.

Value of cut and shaft \$55.00

FRACTION ~~LODE~~.

No.1 Discovery shaft 10 x 5 ft., 4 ft. deep, all in solid rock, the center of which, being the discovery point, is on the lode line, at S.1° 56'W.284.0 ft. from the north end center. Value,\$30.00.

No.2, Shaft 9 x 9 ft. by 4 ft. deep, in wash and solid rock, the center of which bears S.29° 03'W.300.0 ft. from Cor.No.3. Value of shaft, \$25.00.

No.3, Open cut and tunnel, all in solid rock; the center of mouth of tunnel, where it breaks cover, which is at face of cut, bears from Cor.No.3 S.11° 37'W.661.1 ft., and tunnel 4 x 6 ft. runs thence N.86°28'W.5.0 ft. to face. From face of cut, averaging 4 x 5.3 ft., cut runs S.86° 28'E.19.0 ft. to mouth, where it breaks ground. Value of cut and tunnel, \$50.00.

Note: An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, \$59500.00.
Value of one-fourteenth interest, \$4250.00.

OVERSIGHT NO. 1 ~~LODE~~.

No.1 Discovery cut, averaging 3.5 x 5 ft. deep, in wash and broken-up material, the center of mouth of which, where it breaks ground, being the discovery point, is on the lode line at S.77° 09'W.365.0 ft. from the east end center, and cut runs thence S.72° 32'W.24.5 ft. to face. Value, \$25.00.

Note: An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, \$59500.00
Value of one-fourteenth interest, \$4250.00

OVERSIGHT NO. 3 LODE.

No.1 Discovery cut, averaging 3.5 x 5 ft. deep, in wash and solid rock, the center of mouth of which, where it breaks ground, being the discovery point, is on the lode line at S.17° 15'E.43.5 ft. from the north end center, and cut runs thence N.32° 11'W.20.5 ft. to face.

Value,..... \$20.00.

Note:

An undivided one-fourteenth interest in a shaft, level, drifts, and stope from same, is credited to this lode, the details of which are returned herein under Improvement No.2, Jumbo lode.

Value of shaft, level, drifts, and stope, ...\$59500.00

Value of one-fourteenth interest, \$4250.00.

I N S T R U M E N T.

This survey was made with a Gurley Light Mountain transit. The courses were deflected from the true meridian, as determined by direct solar observations, the details of which are returned herein.

The distances were measured with two 300 ft. steel tapes.

R E P O R T.

The closing corner ~~to cor.~~ to sec.36 on the South boundary of T.1 S., R.12 E., G.& S.R.B.& M., being the closing corner of said south boundary on the east side line of the Surpriser No. 2 lode, Lot No. 38, is a quartzite stone 8 x 8 ins., extending 10 ins. above the ground, chiseled L 38 on west side and C C on east side; no nicks observable; mound of stones alongside.

Lot No.41, Hub lode:-

Cor.No.3 is a sawed pine post 4 ins.square, firmly set in large mound of stones, and scribed H L S E C No. III.

Cor.No.4 is an old sawed pine post, 4 ins.square, firmly set in mound of stones and scribed I-M - N; was unable to discern other scribe marks, as post is badly rotted.

Lot No.42, Irene lode:-

Cor.No.6, identical with Cor.No.4, Lot No.41, Hub lode,

described above,.

Sur.No.2144, Silver and Copper Pocket lode:-

Cor.No.1 is a limestone rock 4 x 8 ins., extending 14 ins. above the ground, firmly set, and chiseled 1-S. & C P 2144.

Cor.No.2, identical with Cor.No.3, Reddy Pay lode, this survey, described above.

Cor.No.3 is a cross mark and 3-S. & C P-2144 chiseled on a ledge of limestone in place.

Cor.No.4, is a limestone rock 6 x 8 ins., extending 12 ins. above the ground, firmly set, and chiseled S. & C. P 4-2144.

Sur.No.2144, Queen No.2 lode:-

Cor.No.1 is a limestone rock 3 x 8 ins., extending 12 ins. above the ground, firmly set, chiseled 1-Q-2-2144.

Cor.No.2 is a limestone rock 8 x 12 ins., extending 18 ins. above the ground, firmly set, and chiseled 2-Q-2-2144.

Cor.No.4, identical with Cor.No.6, Lot No.41, Hub lode is a dacite stone, 8 ins. in diam., extending 15 ins. above the ground, chiseled 4-Q-2-2144 and H.L.N.E.C.No. VI.

Sur.No.2860, Sunnyside lode:-

Cor.No.1 is a dacite stone 6 x 14 ins., extending 12 ins. above the ground, firmly set and chiseled 4-C-1-S-2860.

Was unable to find chisel marks for Cor.No.4, but its position was determined by the official call from its bearing marks X-2860-B-R, chiseled on a ledge of limestone in place.

Sur.No.2860, Caledonia lode:-

Cor.No.1 is a limestone rock 8 x 10 ins., extending 14 ins. above the ground, firmly set and chiseled X-4-G E 1-C-2860.

Cor.No.4, identical with Cor.No.1, Sur.No.2860, Sunnyside lode, described above.

Sur.No.2860, Republic lode:-

Cor.No.1 is a cross mark and 1-R-2860 chiseled on a ledge of limestone in place.

Cor.No.3 is a limestone rock 12 x 6 ins. extending 14 ins. above the ground, firmly set, and chiseled 3-R-2860.

Cor.No.4, is a limestone rock 10 x 6 ins., extending 14 ins. above the ground, firmly set, and chiseled 2860-4-R .

Sur. No.2860, Skyward lode:

Cor.No.3, is a cross mark and 3-S-2860 chiseled on a ledge of limestone in place.

Cor.No.4, is a limestone 6 x 8 ins., extending 14 ins. above the ground, firmly set, and chiseled 4-S-2860.

Sur.No.2860, New Calumet lode:

Cor.No.1 is a limestone rock 4 x 14 ins., extending 16 ins. above the ground, firmly set in mound of stone, and chiseled 4 E-1-N C-2860.

Cor.No.3 is a cross mark and 3-N C-2860 chiseled on a ledge of limestone in place.

Cor.No.4 is a limestone rock 6 x 10 ins., extending 14 ins. above the ground, firmly set in mound of stones with a cross mark chiseled thereon.

E R R O R S.

I find line 3-4, Lot No.41, Hub lode, to be S.89°13' W.732.1 ft., instead of S.89°15'W.737.88 ft.

I find line 1-2, Sur.No.2144, Queen No.2 lode, to be N.88°11'E., instead of N.89°40'E.

I find line 4-1, Sur.No.2144, Queen No.2 lode, to be S.1°36'E., instead of S.0°45'E.

I find line 1-2, Sur.No.2144, Silver and Copper Pocket lode, to be N.74° 03'E.1450.0 ft., instead of N.75°25' E.1500.0 ft.

I find line 3-4, Sur.No.2144, Silver and Copper Pocket lode, to be S.74°10'W., instead of S.75°25'W.

I find line 4-1, Sur.No.2144, Silver and Copper Pocket lode, to be S.9° 40'E.602.0 ft., instead of S.8° 08'

E.603.8 ft.

I find line 4-1, Sur.No.2860, Sunnyside lode, to be S.1° 56'W.instead of 2°00'W.

I find line 4-1, Sur.No.2860, Republic lode, to be S. 17° 45'E.1487.3 ft., instead of S.17° 53'E.1487.8 ft.

Note:

The surrounding claims are: On the east, Aldridge, Monarch No.1, Sitting Bull, and Lake Erie No.3 lodes, all unsurveyed, and Sur.No.2144, Queen No.2 and Silver and Copper Pocket lodes. On the north, Lot No.41 Hub lode and Lot No.42, Irene lode. On the west, Sur.No.2860, Sunnyside, Caledonia, Republic, and Skyward lodes; and on the south, Sur.No.2860, New Calumet lode, and Tariff Fraction lode, unsurveyed.

Lots Nos.41 & 42, Survey No.2144, and Monarch No.1 and Aldridge lodes, unsurveyed, belong to claimant herein. Order No. 2996 has issued for the survey of said Aldridge lode.

Sur.No.2860 belongs to the Lake Superior and Arizona Mining and Smelting Co.

Lake Erie No.3 lode, unsurveyed, belongs to Hubbill and Wilson.

Sitting Bull lode, unsurveyed, belongs to W.Bellamy.

Tariff Fraction lode, unsurveyed, claimant unknown.

DETERMINATION OF MERIDIAN.

The true meridian, to which all courses herein given are referred, was determined by an observation on the sun, taken from a point near tunnel on Lot No. 42, Irene lode, on June 2, 1912, at 10:19 a.m. mountain standard time.

Observed altitude of sun	61° 40'
Refraction correction	<u>0 01</u>
True altitude of sun	61° 39'
Latitude,	N. 33° 18'
Declination	N. 22° 12' 40"

From this data the true course to sun is calculated to be S. 74° 38' E., from which I turn left 22° 07' along line of survey, determining its true course to be N. 83° 15' E.

The latitude was taken from the topographic map of this district, issued by the U.S. Geological Survey.



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank Anderson

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

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

Copper Company, known as the Shark, Monarch, Reddy
~~known as the Pay, Jumbo, Fraction, Oversight No. 1 and Oversight No. 3 lodes~~

and showing the respective capacities in which they acted.

Henry Arrowsmith, Chainman.

Ramon Aros, Chainman.

V. R. Reyes, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Henry Arrowsmith, Ramon Aros

and V. R. Reyes, do solemnly swear that we assisted Frank

Anderson, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Magma Copper Company

known as the Shark, Monarch, Reddy Pay, Jumbo, Fraction,
~~known as the Oversight No. 1 and Oversight No. 3 lodes~~

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

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

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

furnished by the United States Surveyor-General for Arizona

Henry Arrowsmith, Chainman.

Ramon Aros, Chainman.

V. R. Reyes, Axman.

_____, Flagman.

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

day of June, 1902

E. F. Keener Jr

My Commission expires Feby. 15, 1916.

Notary Public,

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Frank Anderson, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 24 1912, 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 Magma Copper Company, known as the Shark, Monarch, Reddy Pay, Jumbo, known as the Fraction, Oversight No. 1 and Oversight No. 3 lodes, situate in Pioneer Mining District, Pinal County, Arizona, in Section 36, Township No. 1 S, Range No. 12 E, 9 and S. R. B. and M. Unad. and designated as Survey No. 2994, 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^{ies} of the location certificate^s which ~~was~~^{were} received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Frank Anderson
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Frank Anderson,
U. S. Deputy Mineral Surveyor, before me E. F. Kellner Jr., a
Noatry Public this Third
day of June 1912.

E. F. Kellner Jr.

My Commission expires Feby. 15, 1916. Noatry Public.

AMENDED NOTICE OF MINING LOCATION

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the SHARK Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by Frank Hubbel and Robert Saundercock, citizens of the United States, the undersigned, on the 2nd day of January, 1906.

The length of this claim is 1500 feet and we claim One Hundred and Fifty feet in a Southerly direction and Fifteen Hundred and fifty feet in a Northerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three Hundred feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about $4\frac{1}{2}$ miles in a Easterly direction from Picket Post Mt. and is a re-location of an abandoned claim, the name of which is unknown.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at Stone Monument, at a point in a Southerly direction 150 feet from the discovery shaft (at which this notice is posted), being in the center of the South end line of said claim; thence west 300 feet to a monument of stone, being the south west corner of said claim; thence north 1500 feet to a monument of stones being at the north west corner of said claim; thence east 300 feet to a monument of stones at the center of the North end of said claim; thence east 300 feet to a monument of stone being at the north east corner of said claim; thence S. 1500 feet to a monument of stone, at the south east corner of said claim; thence W. 300 feet to the place of beginning.

All done under the provisions of Chapter Six, Title XXXII, of the Revised Statutes of the United States, and an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the SHARK Mining Claim located by Frank Hubbel and Robt. Saundercock on the 19th day of January 1903 and recorded in Book 20 of Records of Mines at page 284 in the office of the County Recorder of the aforesaid County of Pinal, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 2nd day of January 1906.

Frank Hubbell

Robt. Saundercock, Locators.

Filed and recorded at request of C. O. Brown, on Jan. 9th, 1906, at 10 A. M.

E. B. Devine, Recorder.

By N. N. Bartleson, Deputy.

Recorded in Book No. 23 Records of Mines, pages 262, 263 & 264.

State of Arizona,)
) ss.
County of Pinal.)

I, G. F. Watson, County Recorder in and for the County of Pinal, State of Arizona, do hereby certify that the above and foregoing is a full, true and correct copy of the Amended Location Notice of the "Shark" Lode Claim, as the same appears of record in Book No. 23 of Mines on pages 262, 263 & 264.

Witness my hand and seal of office, this 22nd day of May, A. D., 1912.



County Recorder.

AMENDED
NOTICE OF MINING LOCATION.

LODE CLAIM.

TO WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Monarch Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by John W. Cope a citizen of the United States, the undersigned, on the 1st day of January, 1902.

The length of this claim is 1500 feet and I claim 1500 feet in a Easterly direction ^{and no feet in a westerly direction} from the center of the discovery cut, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds on each side of the center of said claim. The general course of the lode deposit and premises is from the West to the East.

This Claim is located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about four miles in a Easterly direction from Picket Post Butte, the most prominent natural object in this horizon. Queen Creek passes within 50 feet in a westerly direction from ~~this~~ discovery monument.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at this discovery monument at a point in a westerly direction 30 feet from the discovery shaft, being in the center of the west end line of said claim; thence South 300 feet to a post in monument, being the South West corner of said claim; thence 1500 feet to a post in monument, being at the South East corner of said claim; thence Northerly 300 feet to a post in monument, at the center of ^{the} East end of said claim; thence Northerly 300 feet to a post in monument, being at the Northeast corner of said claim; thence Westerly 1500 feet to a post in monument at the Northeast corner of said claim; thence

Southerly 300 feet to place of beginning.

All done under the provisions of Chapter Six of Title xxxii, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Monarch Mining Claim, located by John W. Cope, on the first day of January, 1902, and recorded in Book 19 of Record of Mines, at page 561 in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said Original Location Notice.

Dated and posted on the ground this 10th day of January, 1904.

John W. Cope.

Alfred C. Sieboth, Witness.

J. H. McCabe.

Filed and recorded at the request of John W. Cope on the 12th day of January, A. D., 1904, at 9 o'clock A.M.

Thos. G. Peyton, Recorder,

By J. W. Wells, Deputy.

Recorded in Book No. 21 of Mines at page 181 et seq.

AMENDED
NOTICE OF MINING LOCATION.
LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Reddy Pay Mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by John W. Cope, a citizen, the undersigned on the 1 day of Jan. 1902.

The length of this Claim is 1500 feet, and I claim 350 feet in a Northerly direction and 1150 feet in a Southerly direction, from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface of the grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North West to the South East.

The Claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about 4 miles in a Easterly direction from Picket Post Butte, the most prominent object in this sextion of the country, and is located on Quean Crak.

The surface boundaries are marked upon the surface of the ground as follows: Beginning at monument at the discovery cut 350 feet from the North center Monument at a point in a North direction 350 feet from the discovery shaft. (at which this notice is posted) being in the center of North end line of said claim; thence 300 feet to a post being the North West corner of said claim; thence 1500 feet to a post, being at the South West corner of said claim; thence 300 feet to a post at the center of the South end of said claim; thence 300 feet to a post being at the South East corner of said claim; thence 1500 feet to a post at

the North East corner of said claim, thence 300 feet to place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an Amended Location Notice of the Reddy Pay Mining Claim, located by John W. Cope, on the 10 day of Jan. 1904, and recorded in Book 19 of Record of Mines, at page 563, in the office of the County Recorder of the aforesaid County of Pinal, to which reference is hereby made and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 10 day of Jan. 1904.

Witness:

John W. Cope.

J. H. McCabe.

Filed and recorded at the request of John W. Cope on the 12th day of January A. D. 1904 at 9 o'clock A. M.

Thos. G. Peyton, Recorder,

By J. W. Wells, Deputy.

Recorded in Book No. 21 of Mines at page 177 et seq.

AMENDED
NOTICE OF MINING LOCATION.
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the JUMBO MINING CLAIM situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by G. R. Woodbury and E. M. Woodbury, both citizens of the United States, the undersigned, on the 15th day of September 1907.

The length of this claim is 1500 feet and we claim seven hundred and fifty feet in a Northerly direction, and seven hundred and fifty feet in a Southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about four miles in an easterly direction from Picket Post Butte, the most prominent natural object in this horizon. The North end line of this claim is identical with the south side line of the Hub Lode, patented, and owned by the Silver Queen Mining Co.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a 4 x 4 pine post surrounded by a monument of stones ... (All other monuments are similarly constructed) at a point in a northerly direction 750 feet from the discovery shaft (at which this notice is posted), being in the center of the North end line of said claim; thence S.89° 13' W. 300.5 feet to a monument, being the north west corner of said

claim; thence S. $02^{\circ} 37'$ W. 1500.00 feet to a monument, being at the south west corner of said claim; thence N. $89^{\circ} 13'$ E. 300.5 feet to a monument at the center of the south end of said claim thence N. $89^{\circ} 13'$ E. 300.5 feet to a monument, being at the south east corner of said claim; thence N. $02^{\circ} 37'$ E. 1500.00 feet to a monument at the north east corner of said claim; thence S. $89^{\circ} 13'$ W. 300.5 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an amended Location Notice of the Jumbo Mining Claim located by G. R. Woodbury and E. M. Woodbury on the 13th day of January 1906, and recorded in Book 23 of Records of Mines, at page 390, in the office of the County Recorder of the aforesaid County of Pinal, to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the ^{said} original Location Notice.

This further certificate of location is made without waiver of any previous rights, but to correct any error in prior location or record,

Dated and posted on the ground this 15th day of September, 1907.

Witness.

E. M. Woodbury.

G. R. Woodbury.

Filed and recorded at ~~the~~ request of G. R. Woodbury Sept. 16th 1907 at 3.45 P.M.

G. F. Watson, County Recorder,

By N. N. Wells, Deputy.

Recorded in Book No. 1 of Amended Mining Locations at page 70.

AMENDED
NOTICE OF MINING LOCATION
LODE CLAIM.

TO ALL WHOM IT MAY CONCERN.

This Mining Claim, the name of which is the FRACTION Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by G. R. Woodbury, a citizen of the United States, the undersigned, on the 4th day of Jan. 1909.

The length of this claim is 1500 feet and I claim 260 feet in a northerly direction, and 1240 feet in a southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 120 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about $5\frac{1}{2}$ miles in a north easterly direction from Pickett Post Butte.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of rock at a point in a northerly direction 260 feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence westerly 120 feet to a monument of rock, being the North West corner of said claim; thence Southerly 1500 feet to a monument of rock, being at the South West corner of said claim; thence Easterly 120 feet to a monument of rock at the center of the South end of said claim; thence Easterly 120 feet to a monument of rock, being at the South East corner of said claim; thence Northerly 1500 feet to a monument of rock at the North East corner of said claim; thence Westerly

120 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an amended Location Notice of the Fraction Mining Claim, located by G. R. Woodbury on the 4th day of Jan 1909, and recorded in Book 26 of Record of Mines, at page 499, in the office of the County Recorder of the aforesaid County of Pinal, to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said Original Location Notice.

Dated and posted on the ground this 28th day of October, 1910.

Witness: G. R. Woodbury.
F. Tommer Schmidt.

Filed and recorded at the request of Magma Copper Co. Nov. 7th, 1910, at 9 o'clock A.M.

G. F. Watson, County Recorder.

Recorded in Book No. 1 of Amended Mining Locations at page 344.

AMENDED
Notice of Mining Location
LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the OVERSIGHT NO. 1
Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by MAGMA COPPER COMPANY a corporation organized under the laws of the State of Maine.

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 17th day of May 1912

The length of this claim is 935 feet, and 1 claim 365 feet, in n. easterly direction and 570 feet in a westerly direction from

the center of the discovery 935 at which this notice is posted, lengthwise of the claim, together with 145 feet on the northerly and 100 feet on the southerly side respectively feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the

East to the West

The claim is situated and located in the Bisbee Mining District, in Pinal County, in the Territory of Arizona, about 5 miles in a northeast direction from Picket Post Butte, and conflicts with the Republic, and Caledonia lode claims, U.S. Sur. No. 2860, and with the Fraction and Jumbo claims, and with the Silver and Copper Pocket lode claim, U.S. Sur. No. 2144.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at east end center, a monument of rocks

at a point in a n. easterly direction 365 feet from the discovery cut (at which this notice is posted,) being in the center of the easterly end line of said claim; thence northerly 145 feet to a monument of rocks, being the northeast corner of said claim; thence westerly 935 feet to a pine post, being at the northwest corner of said claim; thence southerly 145 feet to a pine post at the center of the westerly end of said claim; thence southerly 100 feet to a pine post, being at the southwest corner of said claim; thence easterly 935 feet to a monument of rocks at the southeast corner of said claim; thence northerly 100 feet to the place of the beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the OVERSIGHT NO. 1 Mining Claim, located by James Neary on the 20th day of July 1910, and recorded in Book 5 of Records of Mines, at page 253, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

of any previously acquired rights, and is made without waiver

Dated and posted on the ground this 17th day of May 1912

MAGMA COPPER COMPANY
BY James Neary, Agent.

46

County of Pinal } ss,

I, Isidation, County Recorder in and for the County and

State Territory aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock, P. M,

on this 22d day of May 1912, and duly recorded in Book No. 1

of Mines Amended Records of Pinal County, Arizona, at pages 434

WITNESS my hand and official seal the day and year first above written.

(Seal)

Isidation County Recorder.

AMENDED
Notice of Location.
LODE CLAIM.

Dated _____, 191_____

Filed and Recorded at request of _____

A. D. 191_____

at _____ M.

Book No. 1 Mines Amended

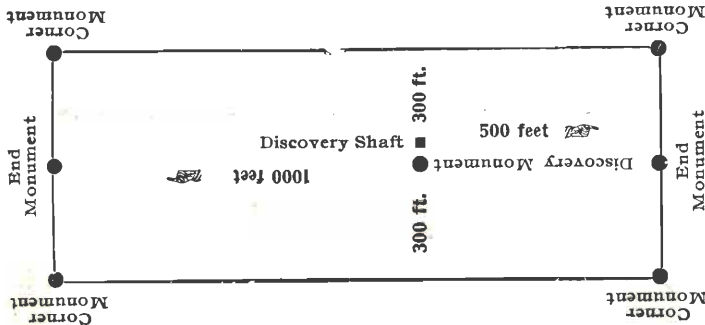
Pages 434

County Recorder.

By _____ Deputy Recorder.

The McNeil Co., Phoenix, Arizona

COMPARED



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

AMENDED
Notice of Mining Location
LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the OVERSIGHT NO. 3
Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchase by MAGMA COPPER COMPANY a corporation organized under the laws of the State of Maine,

(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")
the undersigned, on the 17th day of May 19 12

The length of this claim is 1480 feet,
and I claim 40 feet,
in a northerly direction and 1480
feet in a southerly direction from
the center of the discovery cut shaft, at which this notice is posted, lengthwise of the claim, together with 140 feet and 100
westerly and easterly sides respectively feet in width of the surface grounds, on each the
side of the center of said claim. The general course of the lode deposit and premises is from the
north to the south

The claim is situated and located in the PIONEER Mining District, in
Pinal State
County, in the Territory of Arizona, about 5 miles
in a northeasterly direction from Picket Post Butte, and conflicts
with the Monarch location on the south, and is bounded on the east by
the Ready Pay, on the west by the Shark, and Oversight No. 1 mining
claims, and on the north by the Silver and Copper Pocket, U.S. Sur.
No. 2144 mining claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at
the north end center, a monument of rock

at a point in a out northerly direction 40 feet from
the discovery shaft (at which this notice is posted,) being in the center of the northerly
end line of said claim; thence westerly 140 feet to a monument
of rocks, being the northwest
southerly 1480 feet to a monument of rocks, being at the
southwest corner of said claim; thence easterly 140 feet
to a monument of rocks at the Southerly end of said claim;
thence easterly 100 feet to a monument of rocks, being at the
southeast corner of said claim; thence northerly 1480
feet to a monument of rocks at the northeast corner of said claim;
thence westerly 100 feet to the place of the beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the OVERSIGHT NO. 3
Mining Claim, located by James Neary

on the 20th day of
July 19 10 and recorded in Book B of Records of Mines, at
page 254, in the office of the County Recorder of the aforesaid County of Pinal

to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice, and is made without waiver of any previously acquired rights.

Dated and posted on the ground this 17th day of May 19 12

MAGMA COPPER COMPANY
By James Neary,
Agent.

48 County of Pinal } ss.

I, H. Watson, County Recorder in and for the County and

Territory aforesaid, do hereby certify that the within instrument was filed for record at 1 o'clock, P. M.,

on this 22d day of May 1917, and duly recorded in Book No. 1

of Mines Amended Records of Pinal County, Arizona, at pages 420

WITNESS my hand and official seal the day and year first above written.

(Seal)

H. Watson

County Recorder.

COMPARED

AMENDED

Notice of Location.

LODE CLAIM.

Dated 22d, 1917

Filed and Recorded at request of

A. D. 1917

at 1 M.

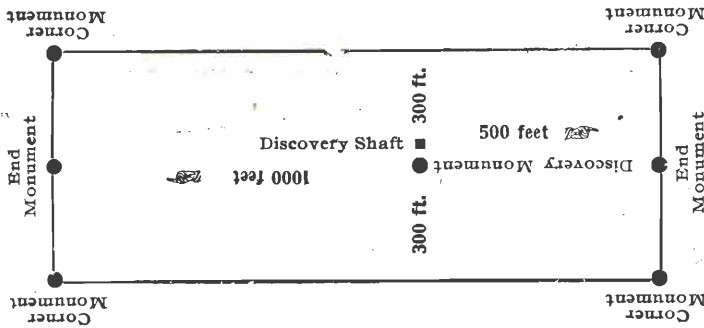
Book No. 1 Mines Amended

Pages 420

County Recorder.

By H. Watson Deputy Recorder.

The McNeil Co., Phoenix, Arizona



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

State of Arizona,)
 County of Pinal.) ss.

I, G. F. Watson, County Recorder in and for the County of Pinal, State of Arizona, do hereby certify that the foregoing are true and correct copies of the following amended Mining Locations, viz.:

1. Amended Location of "Monarch" Lode Claim, recorded in Book 21 of Mines, page 181;
 2. Amended Location of "Ready Pay" Lode Claim, recorded in Book 21 of Mines, page 177;
 3. Amended Location of "Jumbo" Lode Claim, recorded in Book 1, Amended Mining Locations, Page 70;
 4. Amended Location of "Fraction" Lode Claim, recorded in Book 1, Amended Mining Locations, Page 344;
 5. Amended Location of "Oversight No. 1" Lode Claim, recorded in Book 1, Amended Mining Locations, Page 424;
 6. Amended Location of "Oversight No. 3" Lode Claim, recorded in Book 1, Amended Mining Locations, Page 425;
- as appear of record in the above books and pages.

Witness my hand and seal of office on this 22nd day of May,
 A. D., 1912.

G. F. Watson

County Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

October 1, 1912.

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

MAGMA COPPER COMPANY

known as the SHARK, MONARCH, REDDY PAY, JUMBO, FRACTION, OVERSIGHT
NO. 1, OVERSIGHT NO. 3.

situate in Pioneer

Mining District, Pinal County, Arizona

in Section 36, Township No. 1 S., Range No. 12 E., Uns., and

designated as Survey No. 2994, 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

or for each of

consist of 15 cuts, 7 tunnels, 9 shafts, 1 gouge and 3 drifts, value \$5860.00. There is credited to this survey 7/14 interest, value \$29,750, in a shaft on the Hub lode, (described in the foregoing field notes under No. 2 on the Jumbo lode), with workings therefrom, making total expenditure for this group of \$35610.00. An undivided 1/14 interest, value \$4250, in said shaft and workings is properly credited to each of the seven claims of this group and to the Horse Shoe and Silver Tip Extension lodes, Sur. No. 2995, the Aldridge lode, embraced in Order for Mineral Survey No. 2996, the Oversight No. 7 lode, Sur. No. 2997, the Hub lode, Lot No. 41, the Irene lode, Lot No. 42 and the Silver Tip lode, Sur. No. 2144, as said improvement is a common improvement for the benefit and development of said lodes, and since the survey of the said Hub lode, when said shaft was 410 ft. in depth, and subsequent to the location of the claims of this survey, has been extended to represent an added value of more than \$500 for each location which it benefits,

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim, except to the Hub lode, as above stated.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,

Arizona is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor-General for Arizona.

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

Office of U. S. Surveyor-General,

Phoenix, Arizona.

October 1, 1912.

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

MAGMA COPPER COMPANY

, known as the

SHARK, MONARCH, REDDY PAY, JUMBO, FRACTION, OVERSIGHT NO. 1, OVERSIGHT NO. 3,

situate in Pioneer Mining District,

Pinal County, Arizona

in Section 36, Township No. 1 S., Range No. 12 E. Uns.

, designated as Survey No. 2994

executed by Frank Anderson, U. S. Deputy Mineral

Surveyor, May 24-29, 1912, 190, under my instructions dated

May 24, 1912, 190, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank Lyall

U. S. Surveyor-General for Arizona.