

4-683.

MINERAL SURVEY No. 2995

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

MAGMA COPPER COMPANY

KNOWN AS THE

SILVER TIP EXT. AND HORSE SHOE LODES,

PIONEER Mining District,

PINAL County, ARIZONA

Section Secs. 25 & 36, Township 1 South, Range 12 E., G. & S. R. B. & M. Uns
Within the Crook National Forest Reserve.

Surveyed under instructions dated May 34, 1912

by Frank Anderson
U. S. Mineral Surveyor.

Claim located See Location Notices by 3, 1912

Revised (Amended) Sept. 15, 1912.

Survey commenced June 1, 1912

Survey completed June 2, 1912.

6-822

Address of Claimant's Atty.:-

John H. Page, Box 984,

Phoenix, Arizona.

Feet.

SILVER TIP EXT. LODE.

Beginning at Cor.No.1,

Identical with Cor.No.3, Horse Shoe lode, this survey, and with Cor.No.2, Sur.No.2144, Silver Tip lode, a stone, which was removed and destroyed by me, in its place

A sawed pine post 4 ins.square, 4 ft.long, was set 18 ins.in the ground, in mound of earth and stones, which I scribed 1-2995-S; 3-2995-H, and 2-2144 S T; whence

The closing cor. ~~to cor.~~ to sec.36 on the south boundary of T.1 S., R.12 E., G. & S.R.B. & M. bears S.12°24' W. 5448.9 ft.

A dacite boulder averaging 6 x 5 x 6 ft.high, chiseled X-B R-1 S 3 H-2995, bears N.35° 34'E. 11.5 ft.

Thence N.1° 06'W.

Var.13°50' E.

85.0 Gulch draining southwesterly.
300.0 West end center location corner, on line; whence the discovery bears N.88°20'E. 165.5 ft.
580.8 To Cor.No.2,

Identical with Cor.Nos.3 and 2, Sur.No.2144, Silver Tip and Blackfoot lodes, respectively, a rock which was removed and destroyed by me, and in its place,

A sawed pine post 4 ins.square, 4 ft.long, was set 18 ins.in the ground, in mound of earth and stones and which I scribed 3-2144 S T, 2-2144-B, and 2-2995-S; whence

A dacite stone 5 x 10 x 5 ft.high, chiseled X- B R-2S-2995, bears N.48° 07'E. 23.8 ft.

Thence N.87° 36'E.

Var.14° 40' E.

1500.3 To Cor.No.3,

Feet. A sawed pine post 4 ins. square, 4 ft. long, set 18 ins. in mound of earth and stones, on a rocky ledge of cliffs, scribed 3-2995 S

No bearing objects available.

Thence S. $1^{\circ} 06' E.$

Var. $14^{\circ} 40' E.$

300.0 East end center location cor. on line.

600.0 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 stones, scribed 4-2995-S

A point on face of cliffs chiseled X-4-2995-S-B R , bears N. $49^{\circ} 06' E.$ 4.9 ft.

Thence S. $88^{\circ} 20' W.$

Var. $14^{\circ} 40' E.$

149.6 Cor. No. 4, Horse Shoe lode, this survey, on line.

850.0 Gulch draining southwesterly.

1500.0 To Cor. No. 1,

The place of beginning.

HORSE SHOE LODGE.

Beginning at Cor. No. 1,

On line 2-3, Sur. No. 2144, Queen No. 2 lode,

A sawed pine post, 4 ins. square, 4 ft. long, set 18 ins. in the ground in mound of earth and stones, scribed 1-2995-H; whence

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. $12^{\circ} 22' W.$ 4831.4 ft.

No bearing objects available.

Feet. Thence N. $1^{\circ} 27' W$.
 Var. $13^{\circ} 50' E$.
 300.0 West end center location corner on line; whence the
 discovery bears N. $88^{\circ} 24' E$. 395.0 ft.
 530.0 Gulch draining Southwesterly.
 599.7 To Cor. No. 2,
 On line 1-2, Sur. No. 2144, Silver Tip lode,
 Identical with Cor. No. 3, Sur. No. 2144, Queen No. 2
 lode,
 A sawed pine post 4 ins. square, 4 ft. long, scribed 3-
 2144 Q 2 and 2-2995-H, set on exact center of cross
 mark of Sur. No. 2144, Queen No. 2 lode, on large dacite
 boulder in place, averaging 7 x 18 x 10 ft. high, and
 anchored same firmly by an iron pin 12 ins. long, ex-
 tending 6 ins. into post and 6 ins. into boulder, and
 surrounded by a large mound of stones; whence
 A large dacite boulder, averaging 6 x 15 x 5 ft. high
 chiseled X-2-H-2995-B R, bears N. $13^{\circ} 15' W$. 15.6 ft.

Thence N. $88^{\circ} 50' E$.
 Var. $13^{\circ} 50' E$.

60.0 Gulch draining southwesterly.
 149.6 To Cor. No. 3,
 Identical with corner No. 2, Sur. No. 2144, Silver Tip
 lode, and Cor. No. 1 Silver Tip Ext. lode, this survey.

Thence N. $88^{\circ} 20' E$.
 Var. $13^{\circ} 50' E$.

650.0 Gulch draining southwesterly.
 1350.4 To Cor. No. 4,
 On line 4-1, Silver Tip Ext. lode, this survey, at S.
 $88^{\circ} 20' W$. 149.6 ft. from Cor. No. 4,
 A sawed pine post 4 ins. sq., 4 ft. long, set 18 ins.
 in the ground, in mound of earth and stones, scribed
 4-2995-H
 No bearing objects available.

Feet.	Thence S.1° 37'E.
	Var.15° 50'E.
300.0	East end center location corner, on line.
600.0	To Cor.No.5,
	Was unable to set post, as it falls on inaccessible cliffs. W. C. hereafter described hrs. S. 88° 24' W. 29.6 ft.

	Thence S.88° 24'W.
	Var.14° 40'E.
29.6	Set witness corner to Cor.No.5, at foot of precipitous cliffs,
	A sawed pine post 4 ins.square, 4 ft.long, set 18 ins. in the ground, in mound of earth and stones, scribed W C 5-2995-H True pt. for Cor. hrs. N. 88° 24' E. 29.6 ft.
	No bearing objects available.
925.0	Gulch draining southerly.
1500.0	To Cor.No.1
	The place of beginning.

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:-

Silver Tip Ext.lode N.88°20'E.1334.5 ft.and S.88°20' W.165.5 ft.

Horse Shoe lode N.88°24'E.1105.0 ft., and S.88°24'W. 395.0 ft.

A R E A.

Total area Silver Tip Ext.lode,	20.330 acs.
Total area, Horse Shoe lode,	20.636 "

The survey of the Silver Tip Ext. lode is identical with its location, as staked upon the ground, all corners of which were found standing in place, except the East End Center location corner, which falls on inaccessible cliffs, and the NE. corner of the location was marked as witness corner to same. The West End Center location corner is a large mound of stones, properly marked by a piece of paper contained therein.

The survey of the Horse Shoe lode is identical with the corners of the amended location, as staked upon the ground; the witness corner to the SE. location corner is identical with the witness corner to Cor. No. 5. All location corners were found standing in place. The East End Center location corner is a large mound of stones, properly marked by a piece of paper contained therein. The West End Center location corner is a sawed pine post properly set and marked.

LOCATION

Secs. 25 & 36

This claim is located in unsurveyed T. 1 S., R. 13 E., G. & S. R. B. & M., Pioneer Mining District, Pinal County, 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 by the claimant or its grantors, is not less than five hundred dollars for each lode; and that said improvements consist of:-

Silver Tip Ext. lode:-

No. 1

Discovery cut, averaging 4 x 3.5 ft., 13 ft. long, in broken-up material, the center of face of which, being the discovery point, is on the lode line at N. 88° 20' E. 165.5 ft. from the West End Center; and cut runs thence S. 10° 00' W. 13.0 ft. to mouth, where it breaks ground,

Value of cut, \$20.00.

No. 2,

Open cut, averaging 4 x 5 ft., 15.0 ft. long, in broken-

up material, the center of mouth of which, where it breaks ground, bears from Cor.No.2, S.48°01'E.264.5 ft., and cut runs thence N.4° 51'E.15.0 ft.to face.

Value of open cut, \$25.00.

Note:

An undivided 1/14 interest in a shaft, level, drifts and stope from same, is credited to this lode, the details of which are returned herein under

Note. . . , Horse Shoe lode.

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

Value of 1/14 interest, 4250.00

Horse Shoe lode:

No.1 Discovery cut, averaging 4 x 4 ft., 13.5 ft.long, in broken-up material, the center of face of which, being the discovery point, is on the lode line at N.88°24'E. 395.0 ft.from the West End Center, and cut runs thence S.88° 00'E.13.5 ft.to mouth, where it breaks ground.

Value of cut,\$20.00

No.2, Open cut, averaging 4 x 8 ft., 19.5 ft.long, in broken-up material, the center of mouth of which, where it breaks ground, bears from Cor.No.1 N.62° 14'E.434.0 ft. and cut runs thence N.61° 00'W.19.5 ft.to face.

Value of open cut,\$40.00.

No.3, Tunnel and open cut, in broken-up material. Center of mouth of tunnel, where it breaks cover, bears N.72°01' E.421.7 ft.from Cor.No.1; and tunnel 4 x 6 ft., runs thence N.35°00'W.37.0 ft.to face.From face of cut, which is at mouth of tunnel, cut averages 4_x 4.5 ft.,runs thence S.35°00'E.33.0 ft.to mouth,where it breaks ground.

Value of cut and tunnel, \$250.00.

Note, An undivided 1/14 interest in a shaft, level, drifts and stope from same, all in solid rock. is credited to this lode.

Shaft is two-compartment, well timbered, 4.5 x 9 ft. 821.0 ft.deep, course of long side is N.86°W., the center of the westerly compartment of which bears from Cor.No.

2 S.73°48'W.1114.5 ft.

Shaft is entered through a tunnel 4 x 6 ft., 520.0 ft. long, the center of mouth of which, where it breaks cover, bears from Cor.No.2 S.76°31'W.1634.9 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 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, 4350.00.

An undivided 2/14 interest in the above described improvement is credited to the Silver Tip Ext. and Horse Shoe lodes, this survey. The remaining 12/14 interest is credited to Lots Nos.41 and 42, Hub and Irene lodes, Sur. No.2144, Silver Tip lode; Sur.No.2994, Shark, Monarch, Reddy Pay, Jumbo, Fraction, Oversight No.1, and Oversight No.3 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; and 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.2994, Shark, Monarch, Reddy Pay, Jumbo, Fraction, Oversight No.1 and Oversight No.3 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 five hundred dollars for each location.

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.

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 were returned by me in Sur. No. 2994, Shark, Monarch, Reddy Pay, Jumbo, Fraction, Oversight No. 1 and Oversight No. 3 lodes.

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

R E P O R T.

The closing corner to Sec. ~~xxxxxx~~ 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.

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

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. 3, identical with Cor. No. 2, Horse Shoe lode, this survey, previously described.

Sur. No. 2144, Silver Tip and Blackfoot lodes:-

Cor. No. 2, Silver Tip lode, identical with Cor. Nos. 1 and 3 Silver Tip Ext, and Horse Shoe lodes, respectively, this survey, was a dacite stone 8 x 10 ins., extend-

ing 14 ins. above the ground, firmly set, and chiseled SBT-2-2144, but which I removed and destroyed, as it was impossible to set new post without so doing; and in its place set a sawed pine post, which has been previously described.

Cor. Nos. 3-2, Silver Tip and Blackfoot lodes, respectively, identical with Cor. No. 2, Silver Tip Ext. lode, this survey, was a dacite boulder in place, averaging 2.5 x 4 ft., extending 1 ft. above the ground, chiseled SBT 3-B F 2-2144. Corner falls on edge of rock, where it was impossible to set new post, so I broke off portion of same, and in exact point of cross mark I set a sawed pine post, which has been previously described.

E R R O R S.

I find line 2-3, Sur. No. 2144, Queen No. 2 lode, to be N. 1° 27' W., instead of N. 0° 45' W.

Line 1-2, Sur. No. 2144, Silver Tip lode, I find to be N. 88° 50' E., instead of N. 89° 40' E.

Line 2-3, Sur. No. 2144, Silver Tip lode I find to be N. 1° 06' W. 580.8 ft., instead of N. 0° 20' W. 600.0 ft.

Note:

The surrounding claims are: On the east, Horse Shoe No. 1 and Silver Tip Ext. No. 1 lodes, unsurveyed; on the north, Blackfoot No. 1 and Blackfoot No. 2 lodes, unsurveyed; on the west, Sur. No. 2144, Queen No. 2, Silver Tip and Blackfoot lodes; and on the south are Lake Erie No. 3, Lake Erie No. 4, and Lake Erie No. 8 lodes, unsurveyed.

Survey No. 2144 and Horse Shoe No. 1, Silver Tip Ext. No. 1, Blackfoot No. 1, and Blackfoot No. 2 lodes, all unsurveyed, belong to claimant herein.

Lake Erie No. 3, Lake Erie No. 4, and Lake Erie No. 8 lodes, all unsurveyed, belong to Hubbill and Wilson.

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 Silver Tip Ext. and Horse Shoe Lodes
 and showing the respective capacities in which they acted.

Henry Arowsmith, Chainman.
Ramon Aros, Chainman.
Joe Gusman, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Henry Arowsmith, Ramon Aros,
 and Joe Gusman, 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 Silver Tip Ext. and Horse Shoe
 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 Arowsmith, Chainman.
Ramon Aros, Chainman.
Joe Gusman, Axman.
 _____, Flagman.

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

day of June, 1902

E. F. Keener

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 Silver Tip Ext. and Horse Shoe, situate in Pioneer Mining District, Pinal County, Arizona, in ~~Section~~ Secs. 25 & 36, Township No. 1 S., Range No. 12 E. G. & S. R. B. & M. Uns., and designated as Survey No. 2995, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

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
Notary Public, this Third
day of June 1912.

E. F. Kellner Jr.

My Commission expires Feb. 15, 1916. Notary Public.

NOTICE OF MINING LOCATION

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the SILVER TIP EXT. 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 purchased by James Neary, a citizen of the United States of America the undersigned, on the Third day of July, 1910.

The length of this claim is 1500 feet and said claim runs 200 feet in a Westerly direction, and 1300 feet in a Easterly 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 East to the West.

This claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about one mile in a North Easterly direction from the village of Superior Ariz. with end lines of Silver Tip claim on the West, and sidelines of Horseshoe claim on the South.

The surface grounds of the claim are marked upon the ground as follows: Beginning at the Discovery cut, is the discovery monument and stone monument at a point in a Easterly direction 1300 feet from the discovery shaft (at which this notice is posted), being in the center of the East end line of said claim; thence 300 feet to a stone monument, being the southeast corner of said claim; thence 1500 feet to a stone monument, being at the southwest corner of said claim; thence 300 feet to a stone monument, at the center of the west end of said claim; thence 300 feet to a stone monument, being at the north west corner of said claim; thence 1500 feet to a stone monument at the north east corner of said claim; thence 300 feet to the place of beginning.

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

Dated and posted on the ground this Third day of July, 1910.

James Neary.

Filed and recorded at request of Magma Copper Co., September 28th, 1910, at 9 A. M.

G. F. Watson, County Recorder.

Recorded in Book No.E Records of Mines, at page 245.

AMENDED NOTICE OF MINING LOCATION

LODE CLAIM

TO ALL WHOM IT MAY CONCERN.

This Mining Claim, the name of which is the HORSE SHOE 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 350 feet in a westerly direction, and 1150 feet in an easterly direction, from the center of the discovery shaft, at which this notice is posted, ⁿ 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 east to the west.

The claim is situated and located in the Pioneer Mining District, in Pinal County, in the Territory of Arizona, about 4 miles in an Easterly direction from Picket Post Butte, the most prominent natural object in this horizon. The west end line of this claim is identical with the east side line of the Queen No 2 Lode, patented, and owned by Jos. Cope.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a 4 x 4 ^{Post} surrounded by a monument of stones (all other monuments are similarly erected) at a point in a westerly direction 350 feet from the discovery shaft (at which this notice is posted), being in the center of the west end line of said claim; thence S. 01° 00' E. 300.00 feet to a monument, being the south west corner of said claim; thence N. 89° 00' E. 1500.0 feet to a monument, being at the south east corner of said claim; thence N. 01° 00' W 300.0 feet to a monument at the center of the east end of said claim thence N. 01° 00' W 300.0

feet to a monument, being at the north east corner of said claim; thence S 89° 00' W. 1500.0 feet to a monument at the north west corner of said claim; thence S. 01° 00' W. 300.0 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 Horse Shoe 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 388, 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 ~~any~~ 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 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 71.

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 foregoing are true and correct copies of the following Mining Locations, viz.;

1. Location "Silver Tip Extension" Lode Claim, recorded in Book E of Mines, Page 245;

2. Amended Location of "Horse Shoe" Lode Claim, recorded in Book 1, Amended Mining Locations, Page 71;

as appear of record in the above books and pages.

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



County Recorder.

BERKSHIRE ENGINE

U.S.A.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

November 27, 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 SILVER TIP EXT., HORSE SHOE.

situate in PIONEER

Mining District, PINAL County, ARIZONA

in Section s. 25 & 36, Township No. 1 S., Range No. 12 E., Unsur., and

designated as Survey No. 2995, has been correctly copied from the originals on file in

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

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon ^{or for each} said mining claim by claimant or its grantors, and that said improvements consist of 5 cuts and 1 tunnel, value \$355.00, together with 2/14 interest, value \$8500, in a shaft on the Hub lode, Lot No. 41, which, with workings therefrom, is a common improvement for the two claims of this survey and twelve other lodes, as set forth in the foregoing field notes, making a total expenditure for this survey of \$8855.00; said credit of an undivided 1/14 interest, value \$4250, in such common improvement, to each of the claims in this survey is properly applied.

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 stated in the foregoing field notes.

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

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

Frank S. Ingalls,

United States Surveyor-General for Arizona.

4-687.

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

Department of the Interior,

Office of U. S. Surveyor-General,

Phoenix, Arizona

November 27, 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

SILVER TIP EXT., HORSE SHOE.

situate in PIONEER Mining District,

PINAL County, ARIZONA

in Section s 25 & 36, Township No. 1 S., Range No. 12 E., Unsur.

, designated as Survey No. 2995

executed by Frank Anderson, U. S. Deputy Mineral

Surveyor, June 1-2, 1912, 190, under my instructions dated

May 24, 1912, 190, 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. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Handwritten signature of Frank Anderson

U. S. Surveyor-General for Arizona.