

1 MAR 27 1923

4-683

APR 18 1923

MINERAL SURVEY No. 3885

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Thomas B. Johnson, Hortense M. Johnson, and Minnie E. Decker

KNOWN AS THE

IRON CAP NO. 1 and IRON CAP NO. 2 lodes.

Silver Bell

Mining District,

Pima

County, Arizona.

Section 32, Township 12 S., Range 9 E. G & S.R.M.

Surveyed under instructions dated February 20, 1923

by J. N. Burns

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced March 1, 1923, 19

Survey completed March 3, 1923, 19

Address of claimant's Atty. W. G. Power, P.O. Box 1584 Tucson, Arizona.

DATES OF AMENDED LOCATIONS.

Feet.

MINERAL SURVEY NO. 3885

IRON CAP NO.1 Lode.

Beginning at Cor. No. 1, identical with Loc. Mon.

A limestone rock 7 x 8 x 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 1- I C No.1- 3885, with md. of stone 3 1/2 ft. base by 3 ft. high alongside, whence the W. 1/4 Cor. Sec. 32, T. 12 S., R. 9 E., G. & S. R. M. brs. N. 73° 07' W., 570.3 ft.

No other bearings are available.

Thence N. 3° 41' E.
Va. 13° 30' E.

300.0 To W. end center.

A pine post 4 ins. sq. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, scribed W. Cr. I C No.1.

310.00 Road brs. northeasterly.

600.00 To Cor. No.2, identical with Loc. Mon.

A limestone rock 7 x 8 x 6 ins. above ground, set 12 ins in the ground, chiseled with cross (x) 2-I C. No.1-3885, with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence S. 86° 19' E.
Va. 13° 30' E.

347.0 Road brs. northeasterly.

1296.85 Intersect line 1-2 Iron Cap No.2 lode of this Sur, at N.3°41'E., 125.0 ft. from Cor.No.1

1500.00 To Cor. No.3, identical with Loc. Mon.

A limestone rock 8 x 8 x 4 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 3-I C No.1-3885 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence S.3° 41' W.
Va. 13° 30' E.

125.00 Intersect line 4-1 Iron Cap No.2 lode of this Sur., at S.86°19'E., 203.15 ft. from Cor. No.1.

300.00 To E. end center.

Feet.

MINERAL SURVEY NO. 3885

IRON CAP NO. 1 Lode.

A pine post 4 ins. sq by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high, scribed E. Gr. I C No. 1

600.00 To Cor. No. 4, identical with Loc. Mon.

On E. face of limestone cliff 20 ft. long by 15 ft. high, chiseled with cross (x) 4-I C No. 1- 3885 with md of stone 3 1/2 ft base by 3 ft. high alongside.

No bearings are available.

Thence N. 86° 19' W.

Va. 13° 30' E.

1500.00 To Cor. No. 1, the place of beginning.

IRON CAP NO. 2 lode.

Beginning at Cor. No. 1, identical with Loc. Mon.

A limestone rock 8 x 10 x 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 1-I C No. 2-3885 with md of stone 3 1/2 ft. base by 3 ft. high alongside, whence the W. 1/4 Cor. Sec. 32, T. 12 S., R. 9 E., brs. S. 83° 08' 30" W., 1884.6 ft.

No other bearings are available.

Thence N. 3° 41' E.

Va. 13° 30' E.

125.0 Intersect line 2-3 Iron Cap No. 1 lode of this Sur., at N. 86° 19' W., 203.15 ft. from Cor. No. 3

300.00 To W. end center.

A pine post 4 ins. sq by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high

Scribed W. Cr. I C No. 2.

600.00 To Cor. No. 2., identical with Loc. Mon.

A limestone rock 8 x 8 x 6 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 2-IC No. 2- 3885 with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

U.S.L.M. No. 1390 brs. N. 74° 21' W., 6836.5 ft.

No other bearings are available.

Thence S. 86° 19' E.

Va. 13° 30' E.

Feet.

MINERAL SURVEY NO. 3885

IRON CAP NO. 2 Lode.

500.00 Gulch hrs. northeasterly.

1500.00 To Cor. No. 3, identical with Loc. Mon.

A limestone rock 8 x 10 x 7 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 3-IC No.2-3885 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence S. 3° 41' W.

Va. 13°30' E.

300.00 To E. end center.

A pine post 4 ins. sq by 4 ft. high set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed E. Cr. IC No.2

600.00 To Cor. No. 4, identical with Loc. Mon.

A limestone rock 6 x 10 x 6 ins. above ground, set 12 ins in the ground, chiseled with cross (x) 4-IC No.2- 3885 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence N. 86°19' W.

Va. 13° 30' E.

1296.85 Intersect line 3-4 Iron Cap No.1 lode of this Sur., at S.3°41'W., 125 ft. from Cor. No.3

1500.00 To Cor. No. 1, the place of beginning.

LODE LINES.

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

Iron Cap No.1 Lode, N.86°19'W.,600 ft.and 900 ft.,S.86°19'E.

Iron Cap No.2 Lode, 300 ft.N.86°19'w., and 1200 ft.,S.86°19'E.

AREA.

Total area, Iron Cap No.1 lode-----	Acres	20.661 ✓
Area in conflict with,		
Iron Cap No.2 Lode of this Sur.-----	0.583	
Total area, Iron Cap No.2 lode-----		20.661 ✓

MINERAL SURVEY NO. 3885

The survey of each lode of this location is identical with the respective locations as staked upon the ground.

LOCATION.

This survey is located in the W1/2 and S.W. 1/4 of N.E. 1/4 Sec. 32, T. 12 S., R. 9 E., G. & S.R. M.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of each of the locations embraced in said mining claim by the claimants or their grantors is not less than five hundred dollars, and that said improvements consist of:

IRON CAP No. 1 lode.

No. 1, The discovery trench, the south end of which being the discovery point, is on the center line, 600 ft. from the center of line 1-2, 5 ft. wide, 8 ft. deep running north 25 ft. to shaft, 4 x 6 ft. 65 ft. deep :

Value of trench and shaft \$1000.0

No. 2, A cut, the mouth of which is on the center line, 500 ft. from the center of line 1-2, 5 ft. wide, 20 ft. face running east 30 ft. to face. From face is a tunnel 4 x 6 ft. running east 10 ft. to face.

Value of cut and tunnel \$400.0

No. 3, A shaft, the center of which brs. from Cor. No. 2, S. 82° E., 840 ft. 4 x 6 ft. 70 ft. deep.

Value \$700.00

No. 4, A shaft, the center of which brs from Cor. No. 4 N. 37° W., 160 ft. 4 x 6 ft., 12 ft. deep.

Value \$120.00

IRON CAP NO. 2 lode.

No. 1, The discovery shaft, on the center line, 300 ft. from the center of line 1-2, 4 x 10 ft., 30 ft. deep.

Value \$500.

No. 2, A shaft, the center of which brs from Cor. No. 1 N. 57° E., 250 ft. 4 x 6 ft. 20 ft. deep.

Value \$200.

No. 3, A shaft, the center of which brs from Cor. No. 1 N. 61° 15' E., 275 ft.

MINERAL SURVEY NO. 3885.

EXPENDITURE OF FIVE HUNDRED DOLLARS- Cont'd.

4 x 6 ft. 10 ft. deep.

Value \$100.0

INSTRUMENT.

This survey was made with a Gurley mountain transit, the courses were deflected from the true meridian, as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground, and the corners were established by running around the claims. All tie lines were run directly upon the ground.

The W. 1/4 Cor. Sec. 32 T. 12 S., R. 9 E. consists of an iron pipe with brass cap on top, stamped 1/4 S. 31, S. 32.

U.S.L.M. No. 1390 consists of a md of stone 6 ft. base by 5 ft. high. On the summit of a high hill. The post in the monument has been destroyed.

As my assistant was living near this group of claims and there being no Notary Public within long distance, great delay and expense would result from strict compliance with the rule. I therefore proceeded to administer the necessary oath to my assistant.

ADJOINING CLAIMS.

On the north by Iron Cap No.3 lode, unsurveyed.

On the west by Iron Cap No.3 and Iron Cap No.4 lodes, unsurveyed,
All belonging to claimants herein.

do not include in transcript

MINERAL SURVEY NO. 3885

Direct solar observation taken Friday March 2, 1923 at 3.04 P.M.
solar time.-- Sun bisected. Lat. 32°25' - Lon. 111° 26'

Difference in time 10h 30m - Diff 1 hour 57.03"

Apparent declination 7° 28' 49.7"
9' 58" ^{58.8}
7° 18' 51.7" _{50.9}

$P = 90 + \text{Dec}'1 = 97^\circ 18' 51.7''$

$L = 32^\circ 25'$
 $H = 33^\circ 13'$
 $P = 97^\circ 18' 51.7''$
2) $\frac{162^\circ 57' 51.7''}{81^\circ 28' 30''}$

$\text{Sin } 1/2 A = \sqrt{\frac{\text{Sin } (S-L) (S-H)}{\text{Cos. } L \text{ Cos. } H}}$

$S-L = 49^\circ 03' 30''$ 0.8761638
 $S-H = 48^\circ 15' 30''$ 9.8728286
 0.0735690
 0.0774795
2) $\frac{19.9020409}{9.9510205} = 63^\circ 18' = 1/2 A$
 $126^\circ 36' = A$

$180^\circ - 126^\circ 36' = S 53^\circ 24' W = \text{Course of Sun.}$
 $\frac{49^\circ 43'}{S 3^\circ 41' W. = \text{Course of line}}$

Set up at Cor. No.2 Iron Cap No.1 lode, F.S. to Cor. No.1

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and
 boundaries described in the foregoing field notes of the survey of the mining claim of
Thomas B. Johnson, Hortense M. Johnson, and Minnie E. Decker
 known as the IRON CAP NO. 1 and IRON CAP NO. 2 lodes.
 and showing the respective capacities in which they acted.

Emile Duboquet, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~, I, Emile Duboquet
 and _____, do solemnly swear that ~~we~~ ^I assisted
T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Thomas B. Johnson, Hortense M. Johnson and
Minnie E. Decker
 known as the Iron Cap No. 1 and Iron Cap No. 2 lodes
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of ^{my} ~~our~~ knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the United States Surveyor-General for Arizona.

Emile Duboquet, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman

Subscribed and sworn to by the above-named persons before me this 5 th
 day of March, 19 23

T.N. Stevens
 United States Mineral Surveyor

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T. N. Stevens, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
February 20, 1923, 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 Thomas B. Johnson, Hortense M. Johnson, and Minnie E. Decker
, known as the
IRON CAP NO. 1 and IRON CAP NO. 2 lodes.
situate in Silver bell Mining District,
Pima County, Arizona., in Section
32, Township No. 12 S., Range No. 9 E., G & S. R. M.
and designated as Survey No. 3885, as represented
in the foregoing field notes, which accurately show the boundaries of said mining claim
as distinctly marked by monuments on the ground, and described in the attached copy
of the location certificate, which was received by me from the Surveyor General with
said instructions, and that all the corners of said survey have been established and per-
petuated in strict accordance with the law, official regulations and instructions there-
under; and I do further solemnly swear that the foregoing are the true and original
field notes of said survey and my report therein, and that the labor expended and
improvements made upon said mining claim by claimant^s or their 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.

T. N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. Stevens
U. S. Mineral Surveyor, before me Isabel M. Lauder
a Notary Public this 20th
day of March, 1923

My Commission Expires June 4, 1924

Isabel M. Lauder
Notary Public.

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

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

May 12, 1923.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that the foregoing transcript of the Field Notes, return and approval
of the Survey of the mining claim of

Thomas B. Johnson, Hortense M. Johnson, and Minnie E. Decker

, known as the IRON CAP NO. 1, and IRON CAP NO. 2

lodes, situate in Silver Bell

Mining District, Pima County,

Arizona, in Section 32, Township No. 12 S

Range No. 9 E., and designated as Survey

No. 3885, 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
each of or improvements made upon said mining claim^s by claimant^s or their grantors, and
that said improvements consist of 6 shafts, 1 trench, and 1 cut and
tunnel, total value \$2900.

and that no portion of said labor or improvements has been included in the estimate of
expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,
Arizona, is correct and in conformity with the foregoing Field Notes.

Frank P. Trott

United States Surveyor General for Arizona.

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

**DEPARTMENT OF THE INTERIOR
OFFICE OF U. S. SURVEYOR GENERAL**

Phoenix, Arizona,

May 12, 1923

I, U. S. Surveyor General for District of Arizona,

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

Thomas B. Johnson, Hortense M. Johnson, and Minnie E. Decker,

known as the

IRON CAP NO. 1. and IRON CAP NO. 2 lodes

situate in Silver Bell mining district,

Pima County, Arizona

in Section 32, Township No. 12 S., Range No. 9 E.

designated as Survey No. 3885

executed by T. N. Stevens, U. S. Mineral

Surveyor, March 1 - 3, 1923, under my instructions dated

February 20, 1923, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.



U. S. Surveyor General for Arizona.