

4-683

MINERAL SURVEY No. 3592 A & B

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Canyon Copper Company

KNOWN AS THE

NUMBER FOUR, NUMBER FIVE lodes and GRAND VIEW MILL SITE

Grand Canyon

Mining District,

Coconino

County,

Arizona

Sections 4, 5, 8 Unsur., Township 30 N., Range 4 E.

Surveyed under instructions dated May 22, 1919

by T.N. Stevens

U. S. Mineral Surveyor.

Claim located See location notices, 19 19

Survey commenced June 1, 19 19

Survey completed June 7, 19 19

Address of claimant Phoenix, Arizona

DATES OF AMENDED LOCATIONS.

MINERAL SUR. NO. 3592 A ~~and B~~
NUMBER FOUR LODE.

Feet

Beginning at Cor. No. 1. Identical with the orig.
Loc. mon.

A limestone 7 x 10 x 12 ins. above the ground,
chiseled with cross (X) 1 N.F. 3592 A, with md of stone
3 1/2 ft. base by 3 ft. high alongside, whence U.S.M.M. No. 1
bears S. 20°-47' W. 7288.65 ft.

^{tness}W. Cor. to N. 1/4 cor. Sec. 17, T. 30 N.R. 4 E. G. & S.
R.M. bears S. 21°-32'-30" W. 8299.10 ft.

No other bearings are available.

Thence N. 52°-23' W.
Va. 13°-30' E.

11 Rim rock.
300 To S. end Center.

A pine post 5 ins. dia. 4 ft. long set firmly
in the ground and surrounded with a md. of stone, 3 1/2
ft. base by 3 ft. high. Scribed S.Cr.N.F.

306 To Cor. No. 2.

A limestone 15 x 10 x 6 ins. above ground, set 12 ins.
in ground chiseled with cross (X) 2 N.F. - 3592A, with
md. of stone 3 1/2 ft. base by 3 ft. high, alongside.

No bearings are available.

Thence N. 37°-37' E.
Va. 13°-30' E.

500 Rim rock.

750 Cor. No. 1, Sur. No. 1358 A. Last Chance lode, Claimant
herein.

1494.81 To Cor. No. 3. Identical with orig. loc. mon. and
with Cor. No. 2, Number Five Lode of this Survey.

On limestone Cliff 4 x 5 ft. 40 ft. high, chiseled
with cross (X) 3 N.F. - 2 N.F. 3592 A, with md. of
stone 3 1/2 ft. base by 3 ft. high alongside - whence a
limestone point 4 ft. high, 10 ft. wide, 25 ft. long,
chiseled with cross (X) 2-3-3592A B.R. bears N. 52°-23'
W. 4.5 ft.

No other bearings are available.

Feet	SUR. NO. 3592 A and B Number Four Lode, Cont'd.
	Thence S. 52°-23' E. Va. 13°-30' E.
6.00	To N. End Center. Identical with S. end ^{Center} Number Five Lode of this Survey.
	A pine post 4 ins. square by 4 ft. long, set firmly in the ground and surrounded with md. of stone, 3½ ft. base by 3 ft high, scribed N.Cr. N.F. - on the S. face and S.Cr N.F. on the N. face.
76.	Rim rock.
306.00	To Cor. No. 4. Identical with Cor. No. 1, Number Five lode of this Survey.
	A limestone 8 x 12 x 5 ins. above ground, chiseled with cross (X) 4 N.F. 1-N-F.-3592 A, and with md. of stone 3½ ft. base by 3 ft. high alongside.
	Whence a limestone ledge 4 x 10 ft. high. chiseled with cross (X) 1-4-3592 A, B.R. bears S.57°-52' W. 4.7 ft.
	No other bearings are available.
	Thence S. 37°-37' W. Va. 13°-30' E.
280.	Rim Rock.
1494.81	To Cor. No. 1. The place of beginning.
	NUMBER FIVE LODE
	Beginning at Cor. No.1. Identical with Cor.No.4, Number Four lode of this Survey, heretofore described; whence U. S. M. M. No.1 bears S. 23°-37'-30" W. 8730.13 ft ^{Truss} to N¼ Cor. Sec. 17 T. 30 N., R. 4 E., C & S.R.M. bears S. 23°-58'-40" W. 9744.38 ft.
	Thence N. 52°-23' W. Va. 13°-30' E.
230.00	Rim Rock.
300.	To S. End Center. Identical with N. End Center Number Four lode of

Feet.	SUR. NO. 3592 A and B. NUMBER FIVE Lode cont'd.
	this Survey, heretofore described.
306.00	To Cor No. 2 Identical with the Orig. loc. mon, and with Cor.No.3 Number Four Lode of this survey, heretofore described.
	Thence N. 37°-37' E. Va. 13°-30' E.
750.65	Cor. No. 5. Sur. No. 1358 A, Last Chance lode.
1459.41	To Cor. No. 3. A Cross (X) 3, N.F. 3592A chiseled on rim rock 200 ft high with md of stone 3½ ft. base by 3 ft high alongside, whence, the original loc. mon. bears N. 44°-38' W. 220 ft. No other bearings are available. Thence S. 52°-23' E. Va. 13°-30' E.
6.00	To N. End Center A pine post 4 ins. square by 4 ft long set firmly in the ground, and surrounded with a md of stone 3½ ft base by 3 ft high. Scribed N.Cr. N.F.
81.00	Edge rim rock 200 ft. high.
306.00	To cor. No.4 Identical with Orig. loc.Mon. - a limestone 12 x 51 x 20 ins. above ground, chiseled 4 N.F. 3592 A. with md of stone 3½ ft. base by 3 ft high alongside. Whence a limestone cliff 10 ft high by 18 ft long, chiseled with Cross (X) 4 N.F. 3592A, bears S. 72°-12' W. 39.5 ft No other bearings are available. Thence S. 37°-37' W. Va. 13°-30' E.
1459.41	To Cor. No. 1. The place of beginning. LODE LINES. As near as can be determined from the present de- velopments the veins of the two locations embraced in

Feet. SUR. NO. 3592 A and B.
NUMBER FIVE Lode, Cont'd.

this claim, extend as follows from their respective discovery points.

Number Four lode 1320 ft S. 37°-37' W and 174.81 ft. N. 37°-37' E.

Number Five lode S 37°-37' W. 471 ft and N. 37°-37' E. 988.41.

Mineral Survey No. 3592 B

Grand View Mill site

Beginning at Cor. No. 1. Identical with the orig. loc. mon. A cross (X) 1 G.V.M.S. 3592 B. chiseled on a Sand stone ledge 3 x 4 ft, 4 ft. high, with md of stone 3 1/2 ft base by 3 ft high alongside; Whence U S.M.M. No.1 bears S. 16°-51' E. 991.78. ft.

W. ^{truss} Cor. to N. 1/4 Cor. Sec 17. T. 30 R. 4 E. G & S.R. M. bears S. 5°-21' W. 1862.34 ft.

Cor. No.1 Number Four lode ~~of this~~ ^{No. 3592 A.} Survey, bears N. 26°-06'-10" E. 6531.34 ft.

No. other bearings are available.

Thence N . 29°-11' E.
Va. 13°-30' E.

300.00 Rim Rock

400.00 Rim Rock.

466.50 To Cor.No.2. Identical with Original loc. mon.A cross (X) 2 - G.V.M.S. 3592 B chiseled on a limestone point, 10 x 15 ft - 200 ft. high, with a md of stone 3 1/2 ft. base by 3 ft high alongside - whence a pine tree 12 ins. in dia., bears N. 67°-39' W. 50.45 ft, blazed and scribed 2-3592 B. B.T.

No other bearings are available.

Thence N. 35°-39' W.
Va 13°-30' E.

220.00 Trail

466.50 To Cor. No. 3.

Identical with Orig. loc. Mon., a sandstone 15 x 5 x 8 ins. above ground, chiseled with Cross (X) 3 G.V.M.S. 3592 B., with md of stone 3 1/2 ft base by 3 ft high along-

SUR. NO. 3592 A and B.

GRAND VIEW MILL SITE, SUR.NO. 3592 B

side. Whence a pine tree 8 ins. in dia. bears N.35°-39' W 16.1 ft., blazed and scribed B.T. 3 G.V.M.S. 3592 B.

No other bearings are available.

Thence S. 29°-11' W.
Va. 13°-30' E.

466.50 To Cor.No.4 .

A Cross (X) 4 G.V.M.S. 3592 B. chiseled on a bench of rock 4 ft. wide 150 ft below rim rock, with marker post 4 x 4 ins. square, 4 ft. long suspended by wire directly over; whence Cross (X) 4 G.V.M.S. 3592 B.-BR.chiseled on vertical face of cliff bears S. 35°-39' E. 0.50 ft.

No other bearings are available.

Thence S 35°-39' E.
Va. 13°-30' E.

80.00 Rim rock.

150.00 Wagon Road. Brs. N. 45° E.

466.50 To Cor. No. 1

The place of beginning.

Containing 4.522 acres.

AREA.

Total area Number Four Lode	10.501 acres
Total area Number Five lode	10.252 acres

The Survey of this claim is identical with the orig. location, all corners of which were found in place, except where shown in the foregoing field notes.

LOCATION.

This claim is located in the N.W.¼ Sec. 4 Unsur. NE¼ and SE¼ Sec.5 Unsur. and SW¼ Sec. 8 Unsur. T. 30 N.R., 4 E., G. & S. R. M., within the Tusayan Natl. Forest.

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of each of

SUR.NO. 3592 A and B

EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd.

the locations embraced in said mining claims by the claimant or its grantors, is not less than Five hundred dollars, and that said improvements consist of;-

NUMBER FOUR LODE

No.1. The discovery cut of the Number Four lode, the mouth of which being the discovery point, on the lode line 174.81 ft. from point on line 3-4, 6 ft from Cor. No.3, 6 ft wide, running S 37°-37' W. 8 ft to face.

Value \$100.00

No.2 A tunnel, the mouth of which bears from Cor. No.3, S. 20°-37' W., 80 ft., 4½ ft wide, 6 ft high, running N. 41°-18' W., 23.83 ft. to line 2-3

Value \$238.30

An undivided 1/4 interest in improvement No. 2 . Number Five lode, hereinafter described, credited to this lode.

Value \$2846.50

NUMBER FIVE LODE

No.1. The discovery shaft, Number Five lode, the center of which being the discovery point, on the lode line, 471 ft. from point on line 1-2, 6 ft. from Cor.No. 2, 4 x 6 ft, 10 ft. deep.

Value \$100.00

No.2 A tunnel, the mouth of which bears from Cor. No. 1, N. 4°-30' E., 350 ft., 4 ft wide, 6 ft high, running S. 81°-48' W. 432.3 ft; thence S. 80°-45' W. 153.8 ft to face. At a point 180 ft from mouth of tunnel a cross-cut 4 ft wide. 6 ft. high runs N. 8°-12' W. 60 ft to face. At a point 432.3 ft from mouth of tunnel a cross-cut 4 ft wide. 6 ft high runs S. 24°-54' E. 75.2 ft. Thence S. 36°-10' E., 132.6 ft., thence S. 30°-45' E. 30.7 ft; thence S. 50°-30' E. 52 ft. to face. At a point 82.7 from face, a cross-cut 4 ft. wide. 6 ft. high runs

SUR. NO. 3592 A and B
EXPENDITURE OF FIVE HUNDRED DOLLARS Cont'd.

S. 53°-52' W., 25 ft., thence N. 77° W., 109 ft. to face.
At a point 344.3 ft. from mouth of tunnel a cross-cut
4 ft. wide, 6 ft. high runs N. 20° W., 40 ft to face.
Also cross-cut 4 ft. wide, 6 ft. high runs S. 35° E. 28
ft. to face.

Total value \$11,386.00

An undivided 1/4 interest, \$2846.50 is assigned to
each of the **lodes** of this survey.

This tunnel is in the course of construction for
the development of this claim and of Sur. No. 3591, con-
sisting of No. 1 lode; also Sur. No. 1358 A. consist-
ing of the Last Chance lode, Claimant herein. An undivided
1/4 interest in this tunnel, value \$2846.50, has been
credited to each of the above mentioned lodes. The
surface embraced in the above claims is 300 ft. higher
than the mouth of the tunnel. The tunnel described
and included in the estimate of expenditure, continued
in its present course, ^{will cut the veins of the several locations at great depth,} and by drifting and cross-cut-
ting therefrom in different directions towards and
under the above mentioned claims, they may be advantag-
ously developed and ore extracted therefrom. This
improvement therefore is a common improvement for the
benefit of the above mentioned claims; an undivided
1/4 interest in the value of this improvement is there-
fore properly credited to the Number Four and Number
Five lodes.

OTHER IMPROVEMENTS

A cabin, the S.E. Cor, of which bears from Cor.No.
1, Grand View Mill Site ~~lode~~, N.10°-30' W. 300 ft.
20 x 32 ft., course of long side N. 6°-30' E.

A Ditch, the W, end of which bears from Cor.No.1,
Grand View Mill Site ~~lode~~, N. 9°-30' W. 427 ft. 2 ft.
wide, 2 ft. deep, running S.75°-45' E. 273 ft to edge
of rim rock.

SUR. NO. 3592 A and B

OTHER IMPROVEMENTS

A board corral, the S.E. Cor. of which bears from Cor. No. 1 Grand View Mill site ~~lode~~, N. 20° -30' E. 307 ft., thence N. 19° W. 73 ft. Thence N. 43° -30' W. 85 ft., thence S. 78° -30' W., 16 ft., thence S. 11° -39' E. 139.2 ft., thence S. 47° E. 14 ft., thence N. 72° E. 63 ft., to the S.E. Cor. the place of beginning.

All the above improvements belong to claimant herein.

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.

U.S.M.M. No.1 consists of sandstone showing 7 x 12 x 36 ins. above the ground, chiseled U. S.M.M. No.1 and hole in top.

The ~~Witness~~^{Witness} Corner to $N\frac{1}{4}$ Cor. Sec. 17, T. 30 N., R. 4 E., G & S.R.M., consists of a limestone showing 20 x 12 x 5 ins. above ground, chiseled W.C. $\frac{1}{4}$ on North face.

Cor. No.1, Sur. No. 1358 A, Last Chance lode, consists of a Sandstone 5 x 12 x 18 ins. above ground, chiseled 1-1358 A, and hole at cor. point.

Cor. No.5, Sur. No.1358 A, Last Chance lode, consists of a sandstone 5 x 9 x 20 ins. above ground, chiseled 5-1358 A, and hole at Cor. point. I find courses to be correct as approved.

~~I fail to find Cor. No. 6;~~ Line 5-1 fails to furnish the length as approved, S. 37° -37' W., 1500 ft. and same is properly given in these field notes. The Corner marked No. 5 is No. 4 according to the record. The Side Center marked No. 3 is No. 5 according to the record. All markings are plain & deeply chiseled.

SUR. NO. 3592 A and B

ADJOINING CLAIM

On the West by Sur. No. 1358 A, Last Chance lode. Claimant herein. There are no other adjoining or conflicting claims known.

do not include in transcript

Direct Solar observations taken Mon. June 9, 1919, at 7 H. 32' A.M. Solar Time. Sun bisected Lat. 36°-01'. Lon. 111°-59'.

Difference in time 3.00 H.

Apparent Declination -	22°-52'09" ✓
	40" ✓
	<u>22°-52'49"</u>
P = 90-Dec'l	90°-00'
Dec'l	22°-53' ✓
P =	<u>67°-07' ✓</u>

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

L = 36°-01'
H = 30°-31'
P = 67°-07'
2) 133°-39'
S = 66°-49'

S - L = 30°-48' ✓ - - - 9.7095063 ✓
S - H = 36°-18' ✓ - - - 9.7723314 ✓
0.0921342 ✓
0.0647541 ✓
2) 19.6385260

9.8192630 ✓ = 41°-16' ✓ = 1/2 A
82°-32' = A
N. 82°-32' E. course of sun
44-55' Angle to left
from sun.
N. 37°-37' ✓ E. course of line

Set up at Cor. 2-3-3592 A.B., S. to 5-1358 A.

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

Canyon Copper Company

known as the NUMBER FOUR, NUMBER FIVE LODES and GRAND VIEW MILL SITE

and showing the respective capacities in which they acted.

John Bull, Chainman.

Chainman.

Arman.

Flagman.

FINAL OATHS OF ASSISTANTS.

We, I, John Bull

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 Canyon Copper Company.

known as the Number Four, Number Five lodes and Grand View Mill Site

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of ~~our~~ ^{my} 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

x John Bull, Chainman.

Chainman.

Arman.

Flagman

Subscribed and sworn to by the above-named persons before me this 13th

day of June, 1919

Margaret Scott
Notary Public



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 May 22, 1919, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Canyon Copper Company, known as the NUMBER FOUR, NUMBER FIVE lodes and GRAND VIEW MILL SITE, situate in Grand Canyon Mining District, Coconino County, Arizona, in Section 4, 5, 8 Unsur., Township No. 30 N., Range No. 4 E, and designated as Survey No. 3592 A & B, 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.

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, King Co. Arizona this 8th
day of July, 1919

My Commission Expires July 10, 1920

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,

September 30, 1919.

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

Canyon Copper Company

known as the NUMBER FOUR, NUMBER FIVE Lodes and GRAND VIEW Mill Site situate in Grand Canyon

Mining District, Coconino County, Arizona

in Sections 4, 5, 8 Unsur., Township No. 30 N., Range No. 4 E., and

designated as Survey No. 3592 A&B, 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 or for each of its grantors, and that said improvements consist of 1 shaft, 1 cut, 2 tunnels and 5 crosscuts, total value \$11,824.30, of which \$5693, or two one-quarter interests in the value of improvement No. 2 on the Number Five lode, is reserved for the No. 1 lode, Sur. No. 3591 and the Last Chance lode, Sur. No. 1358 A.

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.

September 30, 1919

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

Canyon Copper Company

, known as the

NUMBER FOUR, NUMBER FIVE Lodes and GRAND VIEW Mill Site

situate in Grand Canyon mining district,

Coconino County, Arizona

in Sections 4, 5, 8, Unsur., Township No. 30 N., Range No. 4 E.

, designated as Survey No. 3592 A&B

executed by T. N. Stevens, United States Mineral

Surveyor, June 1 - 7, 1919, under my instructions dated

May 22, 1919, 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.

[Handwritten signature]

U. S. Surveyor-General for Arizona.