

4-683

Platted

MINERAL SURVEY No. 3527

LOT No. _____

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

M.A.S. *awyer.*

KNOWN AS THE

Copper Canyon, Copper Wonder No. 3, Copper Wonder No. 4 and
Copper Wonder No. 5 lodes.

Cedar Valley Mining District,

Mohave County, Arizona

Sections 29 & 30, Township 17 N., Range 14 W.G. & S.R. Unapp'd.
B. & M.

Surveyed under instructions dated June 24, 19 18

by Edward L. Haff

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced July 1, 19 18

Survey completed July 15, 19 18

Address of claimant, Carl G. Krook, Atty.,
Kingman, Arizona.

DATES OF AMENDED LOCATIONS.

June 17, 1918

10-21-18
2768

(X) **Copper Canyon Lode.**
 Beginning at Cor.No.1
 A granite rock 5x12x26 ins .set 15 ins.in ground,
 with mound of earth and stone 3 ft.high along side,
 chiseled cross (X) at corner point and C-C-1-3527 on
 the S.E. face,whence;
 U.S M.M. No. 3290A.bears N.64°45'40" W.-1440.15 ft.
 No bearing objects available.

Thence S.68°00'E. .000

220.20 Intersect line 3-4 Copper Wonder No.5 lode, of this
 Survey, at N.35°37'E. -561.77 ft. from Cor.No.4

300.00 To North end center.
 (X) A granite rock 8x11x27 ins .set 15 ins. in ground
 with mound of stone 3 ft.high alongside, a cross (X)
 at center point and N.E.C.C-3527 chiseled on the
 S.face .

600.00 To Cor.No.2
 A granite rock 5x12x26 ins. set 15 ins. in ground
 with mound of stone 3 ft.. high alongside, a cross (X)
 at corner point and C.C.-2-3527 chiseled on the N.E.
 face.
 No bearing objects available .

Thence S.22°00'W.

119.55 Intersect line 1-2 Sur No.3458 Great Canyon lode,
 claimant unknown, at S.78°19'E. 247.22 ft. from Cor.No.1

980.00 Deluge wash 20 ft. wide, course easterly .

1080.00 Wagon road, course . northwesterly and southeasterly .

1370.00 Deluge wash 15 ft ^{wide} course northerly .

1500.00 To Cor.No.3.
 On line 4-1,Sur.No.3458 Great Canyon Lode, at
 S.11°41'W 1358.13 ft.from Cor.No.1.
 A granite rock 10x12x32 ins .set 18 ins.in ground

with mound of stone 3 ft.high alongside, a cross (X) at corner point and C-C-3-3527 chiseled on the N.W.face.

No bearing objects available.

300.00 To S.end center. Thence N.68°00'W. to mound of stone 3 ft.high alongside, a cross (X) at corner point and C-C-3-3527 chiseled on the N.W.face.

A granite rock 8x14x27 ins.set 15 ins.in ground, with mound of stone 3 ft.high alongside, and S.end C. C-C-3-3527, chiseled on the N.face.

600.00 To Cor.No.4. Thence S.68°00'E.

On line 2-3 Copper Wonder No.4 lode, of this survey, at S.27°16'W.-958.06 ft.from Cor.No.2.

A granite rock 9x13x28 ins.set 18 ins in ground with mound of stone 3 ft.high alongside, a cross (X) at corner point and C-C-4-3527 chiseled on the S.E.face, Whence,

The 1/4 Cor. between unapproved sections 29 and 30 T.17,N.R.14W.G.& S.R., B.& M.bears N.46°04'W.-186.40 ft

No other bearing objects available.

(X) Thence N.22°00'E. to mound of stone 3 ft.high alongside, a cross

265.00 Dry gulch, 6 ft.wide, course northeasterly.

920.00 Wagon road, course northwesterly and southeasterly.

962.22 Intersect lines 1-2 and 4-1 Copper Wonder Nos.4 and 5 lodes of this survey, at N.62°40'W.88.32ft.from Cor.Nos. 2 and 4 respectively.

1100.00 Copper Canyon, 20 ft.wide, course southeasterly.

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

Copper Wonder No.3 Lode. Wagon road, course northwesterly and southeasterly. Beginning at Cor.No.1.

A granite rock 7x14x30 ins.set 18 ins.in ground, with mound of stone 3 ft.high alongside, a cross (X) at corner point and C.W.-3-1-3527 chiseled on the SE. face, Whence,

feet

U.S.M.M. No. 3290A. bears $N.0^{\circ}57'E.908/70$ ft. Cor. Nos. 2-4
Sur. No. 3290A, Whale and Leviathan lodes, Leviathan Mines
Company, claimant, bears $N.55^{\circ}14'30"E.706.48$ ft.

No bearing objects available.

Thence $N.44^{\circ}10'E.$

- 140.00 Bed of dry gulch, 6 ft. wide, course northeasterly.
- 685.00 Wagon road, easterly and westerly.
- 690.01 Intersect lines 1-2 and 4-1 Sur. No. 3290 A. Whale and
Leviathan lodes, at $N.47^{\circ}14'W.-135.75$ ft. from Cor. Nos.
2 and 4 respectively.
- 758.00 Bed of Copper Canyon, 15 ft. wide, course southeasterly.
- 1500.00 To Cor. No. 2.

A granite rock 7x14x20 ins. set 18 ins. in ground
(X) with mound of stone 3 ft. high alongside, a cross (X) at
corner point and C.W. No. 3-2-3527 chiseled on the S.E.
face, whence;

Cor. No. 2-4 Sur. No. 3290A. Whale and Leviathan lodes,
bears $S.34^{\circ}37'W.-818.00$ ft.

No other bearing objects available.

Thence $S.45^{\circ}50'E.$

- 194.01 Intersect line 3-4 Sur. No. 3290A. Leviathan lode at $N.48^{\circ}$
 $18'E.808.77$ ft. from Cor. No. 4.
- 300.00 To N. end center.

A granite rock 7x13x30 ins. set 18 ins. in ground,
with mound of stone 3 ft. high alongside, a cross (X)
at corner point and N.E.C.C.W. -3-3527, chiseled on the
S. face.

- 300.32 Intersect line 1-2 Copper Wonder No. 5 lode of this
survey at $N.35^{\circ}37'E.-1028.20$ ft. from Cor. No. 1.
- 600.00 To Cor. No. 3.

A granite rock 8x12x29 ins. set 18 ins. in ground
with mound of stone 3 ft. high alongside, a cross (X)

feet

at corner point and C.W. No. 3-3-3527 chiseled on the N.W. face. No bearing objects available.

Thence S.44°10' W.

700.00 Bed of Copper Canyon, 15 ft. wide, course southeasterly, 972.39 Intersect lines 1-2 and 4-1 Copper Wonder Nos. 4 and 5 lodes of this survey at S.62°40'E. -153.38 ft. from Cor.

985.00 Wagon road, course easterly and westerly.

1500.00 To Cor.No.4.

On line 4-1 Copper Wonder No.4 at S.27°16'W.

505.ft from Cor.No.1.

A granite rock 8x11x30 ins. set 18 ins. in ground, with a mound of stone 3 ft. high alongside, a cross (X) at corner point and C.W. No. 3-4-3527 chiseled on the N.W. face. Whence;

The 1/4 Cor. Between ~~unapproved~~ Sections 29 and 30 Unapproved, T.17N. R.14 W., G. & S.R., B & M., bears S.19°12'30"E. - 581.24 ft.

No bearing objects available.

Thence N.45°50' W.

300.00 To S. end center.

A granite rock 6x9x28 ins. set 16 ins. in ground, with a mound of stone 3 ft. high alongside, a cross (X) at center point and S.E.C, C.W. NO. 3-3527 chiseled on the N. face.

406.88 Intersect line 2-3 Sur.No. 3290K. Whale lode, at S.39° 26'W. -695.69 ft from Cor.No.2.

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

Copper Wonder No.4 Lode.

Beginning at Cor.No.1, which is also Cor.No.1 Copper Wonder No.5 lode, this survey.

A granite rock 12x12x30 ins. set 18 ins. in ground, with a mound of stone 3 ft. high alongside, a cross (X)

feet	<p>at corner point, and C.W.No.4-1 C.W.No.5-1-3527 chiseled ^{respective} on the S.E. faces, Whence;</p> <p>U.S.M.M.No.3290A bears N.36°22'50"W.-1090.33 ft.</p> <p>No bearing objects available.</p> <p>Thence S.62°40'E.</p>
10.00	Wagon road, course northwesterly and southeasterly.
153.38	Intersect line 3-4 Copper Wonder No.3 lode of this survey, at N.44°10'E.527.61 ft. from Cor.No.4.
185.00	Wagon road, course easterly and westerly.
300.00	To N. end center.
	<p>A granite rock 9x13x28 ins. set 16 ins.in ground, with a mound of stone 3 ft.high alongside, chiseled a cross(X) at center point, N.E.C,C.W.No.4-3527 on S.face and S.E.C.-C.W.No.5-3527 on the N.face.</p>
482.00	Wagon road, course northwesterly and southeasterly.
511.68	Intersect line 4-1 Copper Canyon lode, of this survey at N.22°00'E.962.22 ft from Cor.No.4.
583.00	Bed of Copper Canyon, 20 ft.wide, course southeasterly.
600.00	To Cor.No.2; which is also Cor.No.4 Copper Wonder No.5 lode this survey.
	<p>A granite rock 10x12x34 ins., set 18 ins.in ground with a mound of stone 3 ft.high alongside, a cross (X) chiseled at corner point and C.W. No.4-2,C.W.No.5-4-3527 ^{respective} on the N.W. faces, whence;</p> <p>The 1/4 Cor between unapproved Sections 29 and 30 unapproved, T.17 N. R.14 W.-G.& S.R. B.& M. bears S.38°26'W.-922.05ft.</p> <p>No bearing objects available.</p> <p>Thence S.27°16'W.</p>
40.00	Bed of Copper Canyon 20 ft.wide, course southerly.
335.00	Wagon road, course northwesterly and southeasterly.
665.90	Bed of dry gulch, 6 ft.wide, course northeasterly.
958.06	Cor.No.4 Copper Canyon lode of this survey.
1500.00	To Cor.No.3.
	<p>A granite rock 9x13x28 in.set 18 ins.in ground,</p>

feet

with a mound of stone 5 ft.high alongside, a cross(X) chiseled at corner point and C.W.No.4-33527 on N.W.face.

No bearing objects available.

Thence N.62°40'W.

300.00 To S.end center.

A granite rock 6x12x29 ins.set 17 ins.in ground, with a mound of stone 3 ft.high alongside, a cross(X) chiseled at center point and S.E.C.-C.W.No.4-3527 on N.face.

600.00 To Cor.No.4.

A granite rock 10x12x28 ins.set 16 ins.in ground, with a mound of stone 3 ft.high alongside, a cross(X) chiseled at corner point, and C.W.No.4-4-3527 on the S.E.face.

No bearing objects available.

Thence N.27°16'E.

995.00 Cor.No.4.Copper Canyon No.3.lode of this survey

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

Copper Wonder No.55Lode.

Beginning at Cor.No.1

Identical with Cor.No.1 Copper Wonder No.4 lode of this survey hereinbefore described, whence;

U.S.M.M.No.3290A. bears N.36°22'50"W.-1090.33 ft.

Cor.No.3 Copper Wonder No.3 lode of this survey, bears N.52°23'E.1027.32 ft.

Thence N.35°37'E.

10.00 Wagon road, course northwesterly and southeasterly.

188.00 Bed of Copper Canyon, 20 ft.wide, course southeasterly.

1028.20 Intersect line 203 Copper Wonder No.3 lode of this survey at N.45°50'W.299.68 ft.from Cor.No.3.

1350.00 Bed of dry gulch 6 ft.wide course southeasterly.

1500.00 To Cor.No.3

A granite rock 7x13x25 ins.set 12 ins.in ground

feet ~~with a mound of stone 3 ft. high alongside, a cross (X) chiseled at corner point and C.W.No.5-2-3527 on S.E.face, whence;~~
 Cor.No.3 Sur No.3290A. Leviathan lode, bears N.47°47'E. 215.16 ft.
 No other bearing objects available.

Thence S.62°40'E.

300.00 To N.end center.

A granite rock 6x8x26 ins., set 17 ins. in ground with a mound of stone 3 ft. high alongside, a cross (X) chiseled at center point and N.E.C.-C.W.No.5-3527 on S.face.

600.00 To Cor.No.3.

A granite rock 6x14x27 ins. set 15 ins. in ground with a mound of stone 3 ft high alongside, a cross (X) chiseled at corner point and C.W.No.5-3-3527 on N.W.face.

No bearing objects available.

Thence S.35°37'W.

155.00 Bed of dry gulch 6 ft. wide, course southeasterly.

938.23 Intersect line 1-2 Copper Canyon lode of this survey, at S.68°00'E.-220.20 ft. from Cor.No.1.

1500.0 To Cor.No.4.

Identical with Cor.No. 2, Copper Wonder No.4. lode of this survey, hereinbefore described, whence;

The 1/4 Cor. between ~~unapproved~~ Sections 29 and 30 ^{unapproved,} T.17N.R.14 W.G.& S.R. B.& M., bears S.38°26'W.-922.05 ft. Cor.No.1, Copper Canyon lode of this survey, bears N.12°51'E.-553.02 ft.

Thence N.62°40'W.

17.00 Bed of Copper Canyon, 20 ft. wide, course southeasterly.

82.32 Intersect line 4-1 Copper Canyon lode of this survey at S.22°00'W.-537.78 ft. from Cor.No.1.

118.00 Wagon road, course northwesterly and southeasterly.

300.00 To south end center.

feet) Identical with N.end center Copper Wonder No.4
 lode of this survey, hereinbefore described.
 415.00 Wagon road, course easterly and westerly.
 446.62 Intersect line 3-4 Copper Wonder No.3 lode of this survey
 at S.44°10'W.-972.39 ft.from Cor.No.3.
 590.00 Wagon road, course northwesterly and southeasterly.
 600.00 To Cor.No.1, the place of beginning.
 Variation at all corners 15°East.

Lode Lines.

(X) As near as can be determined from present develop-
 ments the lode lines of the several locations embraced
 in this claim extend as follows, from their respective
 discovery points:

- Copper Canyon lode, 750 ft. N.22°00'E. and 750 ft.
 S.22°00'W.
- Copper Wonder No.3 lode, 750 ft. N.44°10'E. and 750 ft.
 S.44°10'W.
- Copper Wonder No.4 lode, 12 ft. N.27°16'E. and 1488 ft.
 S.27°16'W.
- Copper Wonder No.5 lode, 1482 ft. N.35°37'E. and 18 ft.
 S.35°37'W.

AREA.

Total area Copper Canyon lode	20.661	Acres
Area in conflict with Sur.No.3458 Great Canyon lode	3.854	Acres
Total area Copper Wonder No.3 lode	20.661	"
Area in conflict with Sur.No.3290 A.Whala lode	2.612	"
Sur.No.3290 A.Leviathan lode	3.050	"
Total area Copper Wonder No.4 lode	20.661	"
Area in conflict with Copper Canyon lode of this survey	0.971	"
Copper Wonder No.3 lode of this survey	0.889	"

Total area Copper Wonder No.5 lode 20.446 Acs.

Area in conflict with
Copper Canyon lode of this survey 1.923 Acs.

Copper Wonder No.3 lode of this
survey. 5.136 "

The survey of each lode of this claim is identical
with the respective amended location as found marked upon
the ground.

LOCATION.

This survey is located in the W.1/2 of ~~unapproved~~^{unapproved,}
Section 29 and E.1/2 of Sec.30, T.17 N. R.14 W., G.& S.R.
B.& M.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improve-
ments made upon or for the benefit of each of the locat-
ions embraced in said mining claim by the claimant, or
her grantors, is not less than Five Hundred Dollars,
and that said improvements consist of:

On the Copper Canyon Lode:

No.1 The discovery cut, the mouth of which is on the
lode line at S.22°00'W.-750 ft from the N.End center,
5 ft.wide, runs S.20°W.20 ft. to a 10 ft. face, at face
of cut a tunnel 4 x 6½ ft, runs S.20 °W.15 ft. to bend,
thence S.35°W.13 ft. to face, all on a mineralized
quartz vein in granite.

Value of cut and tunnel \$760.00

No.2 A cut, the mouth of which bears from Cor.No.1,
S.5°20'E.-768 ft, 5 ft. wide runs S.5°W.12 ft. to a 10ft.
face, at face of cut a tunnel 5x6½ ft. runs S.5°W.5 ft.
to face, at face of tunnel a winze 4x6 ft. 8 ft.deep,
all on a mineralized quartz vein in granite.

Value of cut, tunnel and winze, \$300.00

No.3 A cut, the mouth of which bears from Cor.No.1 S. 5° 05'W. 915 ft. 5 ft. wide runs S.35°E.12 ft.to a 10 ft. face, in a mineralized quartz vein in granite.

Value \$ 90.00

No.4 A cut, the mouth of which bears from Cor.No.1, S.12°10'W. 745 ft., 10 ft. wide runs N.44° E.15 ft. to a 12 ft.face. at face of cut a tunnel 4x6 ft. runs N.44°E. 10 ft.to face in granite and quartz.

Value of cut and tunnel \$ 200.00
 An undivided 1/4 interest in improvement No.2, Copper Wonder No.3 lode is accredited to this lode.Value \$500.00
 On the Copper Wonder No.3 lode.

No.1 The discovery cut, the mouth of which is on the lode line at S.44°10'W. 750 ft. from the N.end center, 8 ft. wide, runs N.44°E.14 ft. to a 10 ft. face, on a mineralized quartz vein in granite .

Value \$ 150.00

No.2 A shaft, the center of which bears from Cor.No.1 N.67°15'E.-764.ft 4x7 65 ft. deep on a quartz vein in granite, at bottom of shaft a drift 4x6 1/2 ft.runs S.10°E 35 ft. to face in granite and quartz.

Value of shaft and drift. \$2000.00

This shaft is being sunk and drifts therefrom run for the joint development of all of the lodes of this claim.

The surface of the ground is unusually rough and rugged and this shaft, being centrally and accessably located near the bottom of the canyon, the ground rising rapidly to the Northeast, South and Southwest, so that drifts and crosscuts extended from the shaft will cut the veins of the several lodes embraced in this claim, thereby making it possible, with one plant of machinery and one system of workings to systematically and economically develop the entire group and extract ore therefrom.

This shaft is, therefore, a common improvement for the benefit of each lode of this claim, and an undivided

1/4 interest in the total value, \$2000.00, is properly accredited to each lode, of this survey.

Value of an undivided 1/4 interest accredited to this lode \$ 500.00

On the Copper Wonder No.4 Lode.

No.1

The discovery cut, the mouth of which is on the lode line at S.27°16'W.12 ft. from the North end center 5 ft. wide, runs S.85°W.25 ft. to a 10 ft. face, at face of cut a tunnel 4x6 1/2 ft.runs S.57°10'ft.to face all on a large quartz vein in granite.

Value of cut and tunnel \$ 330.00

No.2

A cut, the mouth of which bears from Cor.No.1 S.46°40'E.290.ft, 5ft wide runs N.85°W.12 ft. to a 6 ft. face, in granite and quartz.

Value \$ 60.00

An undivided 1/4 interest in Improvement No.2 Copper Wonder No.3 Lode, is accredited to this lode.

Value \$ 500.00

On the Copper Wonder No.5

No.1

The discovery cut, the face of which is on the lode line at N.35°37'E.18 ft.from the south end center 5 ft wide runs S.70°E.25 ft. to mouth, 10 ft. high at face., at face of cut a tunnel 4x6 1/2 ft.runs S.36°W.-10 ft. to face, all on a mineralized quartz vein in granite.

Value of cut and tunnel \$ 330.00

An undivided 1/4 interest in Improvement No.2 on Copper Wonder No.3 lode is accredited to this lode.

Value \$ 500.00

Other Improvements.

A cut, the mouth of which bears from Cor.No.1, Copper Canyon lode, S.9°15'W.-640 ft., 4 ft.wide, runs

S.55°E.17ft. to a 11 ft. face.

A cut, the mouth of which bears from Cor.No.4
Copper Wonder No.3, N.8°20'E. -374.ft, 4 ft. wide, runs
S.69°W.16 ft. face to a 10 ft. face.

A cut, the mouth of which bears from Cor.No.1
Copper Wonder No.5 lode, N.60°E.300 ft., 5 ft.wide, runs
N.50°W. 17 ft. to a 10 ft. face.

Claimants of above all unknown.

Adjoining Claims.

The only known adjoining and conflicting lodes
to this survey on the north and west are Sur.No.3290A.
Whale and Leviathan lodes, Leviathan Mines Company,
claimant, and Sur.No.3458 Great Canyon lode, on the East.

Instrument.

This survey was made with a C.L.Berger & Sons
No.2 Transit.

The courses were deflected from the true meridian
as determined by direct solar observations.

The distances were measured with 100 ft and 500 ft
steel tapes.

Report.

All lines and ties in this survey were run upon
the ground and the courses and distances found to be
as herein given.

U.S.M.M.No.3290A. is a granite rock, showing 12x18x
30 ins. above a mound of earth and stone, properly marked
and a mound of rock 6 ft. high alongside.

The 1/4 Cor. Between unapproved Sections 29 and 30
unapproved,
T.17 N., R.14 W. G. & S.R: B. & M. is a 1 inch iron pipe
with brass cap, properly marked and a mound of stone
alongside.

Sur.No.3290A. Whale and Leviathan lodes, all corners are granite rocks, properly set and marked.

Sur.No.3458 Great Canyon lode, all corners are granite rocks properly set and marked.

Note.

The disagreement between these field notes and the amended location certificates with regard to the courses and distances of the boundary lines and ties are due to errors in the latter.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edward L. Haff.

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 _____

M. A. Sawyer.

known as the Copper Canyon, Copper Wonder No. 3, Copper Wonder No. 4, and Copper Wonder No. 5 lodes, and showing the respective capacities in which they acted.

Philip A. Smith, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

I, Philip A. Smith

~~and~~ _____, do solemnly swear that ~~we~~ ^I assisted _____

Edward L. Haff., United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of M. A. Sawyer

known as the Copper Canyon, Copper Wonder No. 3,

~~known as the~~ Copper Wonder No. 4, and Copper Wonder No. 5 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 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

Philip A. Smith, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 15th

day of July, 1918

Wason A. Smith
U.S. Commissioner

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edward L. Haff, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
June 24, 1918, 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 M. A. Sawyer
, known as the
Copper Canyon, Copper Wonder No. 3, Copper Wonder No. 4 and Copper
Wonder No. 5 lodes situate in Cedar Valley Mining District,
Monave County, Arizona, in Section s
29 & 30, Township No. 17 N., Range No. 14 W. G. & S. R. B. & M. Unapp'd.,
and designated as Survey No. 3527, 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 or her 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.

Edward L. Haff
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edward L. Haff
U. S. Mineral Surveyor, before me a Notary Public in and for
Los Angeles County, State of California this 22nd
day of July, 1918

J. M. A. Stilwell
Notary Public

NOTARY PUBLIC in and for the County of
Los Angeles, State of California

My Commission Expires Sept. 6, 1921

Amended Location Certificate

JUN 24 1918

KNOW ALL MEN BY THESE PRESENTS: That M. A. Sawyer

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of Cedar Valley Mining District, hereby make and file this amended location of the Copper Canyon Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold, Silver and other valuable minerals, with all dips, variations and angles, the same being 750 feet along the ledge in a N. 22° 00' E. direction from the discovery ^{cut} stake and 750 feet along the ledge in a S. 22° 00' W. direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in Cedar Valley Mining District, County of Mohave, State of Arizona, in Section 29 T. 17 N. R. 14 W. G. & S. R. B. & M. and more particularly described as follows, to-wit: Beginning at the N. W. Cor. No. 1 whence cor. No. 4 Sur. No. 3290 A. Leviathan Lode bears N. 81° 36' 50" W. 744.77 Ft. Thence S. 68° 00' E. 300 Ft. to N. end center and 600 Ft. to N. E. cor. No. 2 Thence S. 22° 00' W. 1500 Ft. to S. E. cor. No. 3. Thence N. 68° 00' W. 300 Ft. to S. end center and 600 Ft. to S. W. cor. No. 4 Thence N. 22° 00' E. 1500 Ft. to cor. No. 1 the place of beginning. Variation 15° E. All corners and end centers are granite rocks properly set and marked with a mound of stone along side.

By E. S. Osborne and L. J. Lassell, H. W. Kemper, W. J. Connors, and Anson H. Smith.

THIS AMENDED LOCATION is made in conformity with the original location, made September 24th., 1904, recorded November 4th., 1904, in Book V., Page 137, of Quartz Locations, in the office of the Recorder of said county, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery September 24th. 1904, A-D-T.
Date of Amended Location June 17th. 1918, A-D-T.

Attest: M. A. Sawyer

Filed and A. D. 1918
Recorded at the request of Carl G. Krook June 20th/, at 25 minutes past 4 o'clock P. M., in Book SS. of Mining Claims, Page 590-591 Records of Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By H. F. Williams, Deputy Recorder.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS: That ... M. A. Sawyer

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of ... Cedar Valley Mining District, hereby make and file this amended location of the ... Copper Wonder No. 3 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing ... Gold, Silver and other valuable minerals, with all dips, variations and angles, the same being cut 750 feet along the ledge in a ... N. 44° 10' E direction from the discovery stake and 750 feet along the ledge in a S. 44° 10' W direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in ... Cedar Valley Mining District, County of Mohave, State of Arizona, in Sec., 29 T. 17 N. R. 14 W. G. & S. R. B. & M and more particularly described as follows, to-wit: Beginning at the S.W. cor. whence cor. No. 4. Sur. No. 3290 A Leviathan Lode bears N. 55° 13' 20" E. 706.94' Ft. Thence N. 44° 10' E. 1500 Ft. to N.W. cor. No. 2 Thence S. 45° 50' E. 300 Ft. to N. end center and 600 Ft. to N.E. cor. No. 3 Thence S. 44° 10' W. 1500 Ft. to S.E. cor. No. 4 Thence N. 45° 50' W. 300 Ft. to S. end center and 600 Ft. to place of beginning Variation 15° E. All corners and end centers are granite rocks properly set and marked with a mound of stone along side

By Anson H. Smith and M. A. Sawyer

THIS AMENDED LOCATION is made in conformity with the original location, made / January 1st, ..., 1913, recorded March 20th, ..., 1913, in Book ... H. H., Page ... 616 ..., of Quartz Locations, in the office of the Recorder of said county, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery ... January 1st, 1913 A. D. 1913

Date of Amended Location ... June 17th, 1918 A. D. 1918

Attest: M. A. Sawyer A. D. 1918

Filed and Recorded at the request of Carl G. Krook June 20th, ..., at .. 25 .. minutes past ... 4 ... o'clock .. P. M., in Book ... SS. of Mining Claims, Page 591-592, Records of Mohave County, Arizona.

H. L. Underwood, County Recorder.

By H. F. Williams, Deputy Recorder

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS: That M. A. Sawyer

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of Cedar Valley Mining District, hereby make and file this amended location of the Copper Wonder No. 4 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold, Silver and other valuable minerals, with all dips, variations and angles, the same being 12 feet along the ledge in a N. 27° 14' E. direction from the discovery ~~stake~~ ^{cut} and 1488 feet along the ledge in a S. 27° 14' W. direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in Cedar Valley Mining District, County of Mohave, State of Arizona, in Sections 29 and 30 T. 17N. R. 14W. G. & S. R. B&M and more particularly described as follows, to-wit: Beginning at the N.W. Cor. No. 1 whence cor. No. 4 Sur. No. 3290 A Leviathan Lode bears N. 12° 15' W. 380.95 Ft. Thence S. 62° 40' E. 300 Ft. to N. end center and 600 Ft. to N. E. cor. No. 2. Thence S. 27° 14' W. 1500 Ft. to S.E. Cor. No. 3. Thence N. 62° 40' W. 300 Ft. to S. end center and 600 Ft. to S.W. cor. No. 4. Thence N. 27° 14' E. 1500 Ft. to cor. No. 1 to place of beginning. Variation 15° E. All corners and end centers are granite rocks properly set and marked with a mound of stone along side.

By Anson H. Smith and M. A. Sawyer

THIS AMENDED LOCATION is made in conformity with the original location, made January 1st, 1913 recorded March 20th, 1913, in Book H. H., Page 617, of Quartz Locations, in the office of the Recorder of said county, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery January 1st, 1913, A. D. 1913
Date of Amended Location June 17th, 1918, A. D. 1918

Attest: M. A. Sawyer
A. D. 1918

Filed and Recorded at the request of Carl G Krook June 20th, at 25 minutes past 4 o'clock P.M., in Book SS of Mining Claims, Page 592-593 Records of Mohave County, Arizona.

H. L. Underwood
By H. F. Williams County Recorder.
Deputy Recorder.

Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS: That M. A. Sawyer

the undersigned citizen... of the United States, over the age of twenty-one years, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of Cedar Valley Mining District, hereby make and file this amended location of the Copper Wonder No. 5 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing Gold, Silver and other valuable minerals, with all dips, variations and angles, the same being 18 feet along the ledge in a S. 35° 37' W. direction from the discovery ^{cut} stake and 1482 feet along the ledge in a N. 35° 37' E. direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in Cedar Valley Mining District, County of Mohave, State of Arizona, in Section 29 T.17 N.R. 14W. G & S R B & M and more particularly described as follows, to-wit: Beginning at the S.W. cor No. 1, whence Cor. No. 4 Sur. No. 3290 A. Leviathan Lode, bears N.12° 15' W. 380.95 Ft. Thence N. 35° 37' E. 1500 Ft. to N. W. cor. No. 2. Thence S. 62° 40' E. 300 Ft. to N. end center and 600 Ft. to N. E. cor. No. 3. Thence S. 35° 37' W. 1500 Ft. to S. E. cor. No. 4. Thence N. 62° 40' W. 300 Ft. to S. end center and 600 Ft. to Cor. No. 1 to place of beginning. Variation 15° E. All corners and end centers are granite rocks properly set and marked with a mound of stone along side.

By Anson H. Smith and M. A. Sawyer

THIS AMENDED LOCATION is made in conformity with the original location, made January 1st, 1913, recorded March 20th, 1913, in Book H.H., Page 618, of Quartz Locations, in the office of the Recorder of said county, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery January 1st, 1913, ~~A. D. 1913~~

Date of Amended Location June 17th, 1918, ~~A. D. 1918~~

Attest: M. A. Sawyer
A. D. 1918

Filed and Recorded at the request of Carl G Krook June 20th, at 25 minutes past 4 o'clock P.M., in Book SS of Mining Claims, Page 593-594 Records of Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By H. F. Williams,
Deputy Recorder.

STATE OF ARIZONA, }
County of Mohave. } ss.

I, H. L. Underwood, Recorder of Mohave County, State of Arizona, do hereby certify that I have compared the foregoing copies of Amended Location Certificates of the Copper Canyon, Copper Wonder No. 3, No. 4, and No. 5 Dated, June 17th, 1918. and of the endorsement thereupon with the original records of the same on file in this office, and that the same are correct transcripts therefrom and of the whole of said original records.



WITNESS my hand and the seal of said office this 21st day of June, 1918.

H. L. Underwood,
Recorder of Mohave County.
By A. F. Williams,
Deputy Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

November 23, 1918.

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

M. A. Sawyer

known as the Copper Canyon, Copper Wonder No. 3, Copper Wonder No. 4, and Copper Wonder No. 5 lodes, situate in Cedar Valley

Mining District, Mohave County, Arizona.

in Section S 29 & 30, Township No. 17 N., Range No. 14 W., unapp'd., and

designated as Survey No. 3527, 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 her grantors, and that said improvements consist of 8 cuts, 5 tunnels, 1 shaft, 1 winze and 1 drift, total value \$4220. As improvement No. 2 on the Copper Wonder No. 3 lode is a common improvement for the benefit and development of all four of the claims of this survey, an undivided one-fourth interest therein, value \$500, is properly credited to each of the claims in the survey.

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.

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 23, 1918

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

M. A. Sawyer

, known as the

Copper Wonder, Copper Wonder No. 3, Copper Wonder No. 4 and
Copper Wonder No. 5 lodes

situate in Cedar Valley mining district,

Mohave County, Arizona.

in Sections 29 & 30, Township No. 17 N., Range No. 14 W. unapp'd.

, designated as Survey No. 3527

executed by Edward L. Haff, U. S. Mineral

Surveyor, July 1-15, 1918, under my instructions dated

June 24, 1918, 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. 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.

Frank O. Frost

U. S. Surveyor General for Arizona.