

4-683

NOV. 13 1917

MAR. 27 1918

Platted

MINERAL SURVEY No. 3447.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Arizona Western Mines Company

KNOWN AS THE

Badger, Woodchuck, Majestic, Wild Cat, Hercules and Water Witch

Lodes, Yavapai Mining District,

McHale County, Arizona

Sections 35 and 36, Township 24 N., Range 18 W. Unapp'd.

Surveyed under instructions dated October 10, 1917.

by Louis D. Rasor, U. S. Mineral Surveyor.

Claim located (See location notices), 19

Survey commenced Nov. 1, 1917.

Survey completed Nov. 8, 1917.

Address of claimant 33 Fremont St., San Francisco, Cal. A. T. Dunbar, Pres.

DATES OF AMENDED LOCATIONS.

- Badger Lode, Sept. 30, 1917.
Woodchuck Lode, Sept. 30, 1917.
Majestic Lode, Sept. 30, 1917.
Wild Cat Lode, Sept. 30, 1917.
Hercules Lode, Sept. 30, 1917.
Water Witch Lode, Sept. 30, 1917.

208367

SURVEY NO. 3447.

BADGER LODGE.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 10 ins. in ground, on bedrock, with mound of stones, scribed B1-WC2-H3-3447, whence

The $\frac{1}{4}$ Cor., between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, bears S. 53° 12' W., 1693.16 ft.

The Cor. of Secs. 2, 3, 34 and 35, Ts. 23 and 24, N., R. 18 W., G. & S. R. B. & M., bears S. 75° 55' W., 4123.49 ft.

A cross (+) and BR-B1-WC2-H3-3447 chiseled on face of granite outcrop 2 x 4 ft., 18 ins. above ground, bears N. 5° 07' W., 5.7 ft.

No other bearings available.

Thence N. 55° 20' W.

Feet

1308.62

To Cor. No. 2.

A cross (+) at the corner point and B2-H2-3447 chiseled on a rock in place 2 x 3 ft., 4 ft. high, with mound of stone alongside, whence

A cross (+) and BRB2-H2-3447, chiseled on face of granite outcrop, 4 x 8 ft., 5 ft. above ground bears N. 13° 00' W., 2.8 ft.

No other bearings available.

Thence N. 32° 12' E.

300.00

W. end center,

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground with mound of stones, scribed WEC-BADGER-3447.

600.00

To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground, with mound of stone, scribed B3-3447, whence

SURVEY NO. 3447-Continued.

BADGER LODE-Continued.

A cross (+) and BR-B3-3447, chiseled on face of granite outcrop 8 x 10 ft., 4 ft. above ground, bears N. 49° 10' E., 3.7 ft.

No other bearings available.

Feet

Thence S. 55° 20' E.

1308.62 To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground with mound of stone, scribed B4-WC3-3447, whence

A cross (+) and BR-WC3-3447 chiseled on face of granite outcrop, 3 x 4 ft., 2 ft. above ground, bears N. 71° 32' E., 36.2 ft.

No other bearings available.

Thence S. 32° 12' W.

300.00 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground with mound of stone, scribed EEC BADGER and WEC-WILDCAT-3447.

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

WOODCHUCK LODE.

Beginning at Cor. No. 1.

On line 2-3 Badger Lode.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground with mound of stone, scribed W1-WW4-3447, whence

The $\frac{1}{4}$ Cor. between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved survey, bears S. 13° 13' W., 2154.14 ft.

The Cor. of Secs. 2, 3, 34 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., bears S. 56° 22' 10" W., 3766.87 ft.

SURVEY NO. 3447-Continued.

WOODCHUCK LODGE-Continued.

A cross (+) and BR-W1-WW4-3447, chiseled on face of granite outcrop, 3 x 6 ft., 4 ft. above ground, bears S. 44° 55' W., 9.8 ft.

No other bearings available.

Feet

Thence N. 63° 43' W.

265.00

Center of road running southwesterly.

1500.00

To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground with mound of stone, scribed W2-WW3-3447, whence

A cross (+) and BR-W2-WW3-3447, chiseled on face of granite outcrop 4 x 6 ft., 4 ft. above ground, bears N. 28° 40' W., 14.1 ft.

No other bearings available.

Thence N. 32° 12' E.

160.00

W. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground with mound of stone, scribed WEC-WOODCHUCK-3447.

460.00

To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground on bedrock, with mound of stone, scribed W3-3447.

No bearing objects available.

Thence S. 62° 37' E.

1497.29

To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground, with mound of stone, scribed W4-3447 whence

A cross (+) and BR-W4-3447, chiseled on face of granite outcrop, 6 x 8 ft., 3 ft. above ground, bears

SURVEY NO. 3447-Continued.

WOODCHUCK LODE-Continued.

S. 25° 19' E., 28.26 ft.

No other bearings available.

Feet

Thence S. 32° 12' W.

231.10 Cor. No. 3 Badger Lode of this survey, previously described.

271.10 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground, scribed EEC-WOODCHUCK-3447.

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

MAJESTIC LODE.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 10 ins. in the ground on bedrock, with mound of stones, scribed M1-3447, whence

The $\frac{1}{4}$ Cor. between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, bears S. 7° 44' E., 1091.54 ft.

The Cor. of Secs. 2, 3, 34 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., bears S. 66° 47' 10" W., 2716.90 ft.

A cross (+) and BR-M1-3447, chiseled on face of granite outcrop, 5 x 8 ft., 4 ft. above ground bears S. 43° 06' E., 5.0 ft.

No other bearings available.

Thence N. 63° 43' W.

695.00 Center of road running southwesterly.

1080.91 Intersect line 3-4 Black Rock Spring Lode, Sur. No. 3422, Schuylkill Mining Co., claimant, at S. 11° 46' E., 684.54 ft. from Cor. No. 3.

1500.00 To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins. square, set 18

SURVEY NO. 3447-Continued.

MAJESTIC LODE-Continued.

Feet. ins. in ground with mound of stones, scribed M2-3447.
No bearing objects available.

Thence N. 32° 12' E

116.4 S.E. Cor. Good Enough Lode, unsurveyed, Anna E. Durkee,
claimant.

300.00 W. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12
ins. in ground, scribed WEC-MAJESTIC-3447.

475.37 Intersect line 3-4, Black Rock Spring Lode, Sur. No.
3422, at S. 11° 46' E., 84.09 ft., from Cor. No. 3.

600.00 To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 10
ins. in the ground on bedrock, with mound of stones,
scribed M3-WW2-3447.

No bearing objects available.

Thence S. 63° 43' E.

960.00 Center of wagon road running southwesterly.

1500.00 To Cor. No. 4.

A redwood post 4 ft. long, 4 ins. square, set 18
ins. in ground with mound of stones, scribed M4-WW1-
3447, whence

A cross (+) and BRM4-WW1-3447 chiseled on face
of granite outcrop 3 x 3 ft., 3 ft. above ground, bears
N. 16° 00' E., 11.4 ft.

No other bearings available.

Thence S. 32° 12' W.

300.00 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set
12 ins. in ground, scribed EEC-MAJESTIC-3447.

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

SURVEY NO. 3447-Continued.

WILD CAT LODE.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 14 ins. in ground, on bedrock, with mound of stones, scribed WC1-3447, whence

The Cor. of Secs. 1, 2, 35 and 36, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, bears S. $11^{\circ} 24'$ W., 475.4 ft.

The Cor. of Secs. 2, 3, 34 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., bears S. $85^{\circ} 19' 50''$ W., 5407.78 ft.

A cross (+) and BRWC1-3447, chiseled on face of granite boulder, 4 x 6 ft., bears S. $54^{\circ} 33'$ W., 11.4 ft.

No other bearings available.

Feet

Thence N. $67^{\circ} 57'$ W.

1500.00

To Cor. No. 2.

Identical with Cor. No. 1, Badger Lode of this survey, heretofore described.

Thence N. $32^{\circ} 12'$ E.

300.00

W. end center.

Identical with the E. end center Badger Lode of this survey, heretofore described.

600.00

To Cor. No. 3.

Identical with Cor. No. 4, Badger Lode of this survey, heretofore described.

Thence S. $67^{\circ} 57'$ E.

1500.00

To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 6 ins. in ground on bedrock with mound of stones, scribed WC4-3447, whence

A cross (+) and BRWC4-3447, chiseled on face of

SURVEY NO. 3447-Continued.

WILD CAT LODE-Continued.

granite outcrop 10 x 10 ft. 6 ft. above ground, bears N. 63° 49' E., 19.9 ft.

No other bearings available.

Feet

Thence S. 32° 12' W.,

300.00 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in the ground, scribed EEC-WILDCAT-3447.

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

HERCULES LODE.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in ground, with mound of stone, scribed H1-3447, whence,

The 1/4 Cor. between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, bears S. 1° 51' E., 1251.51 ft.,

The Cor. of Secs. 2, 3, 34, and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M. bears S. 64° 31' 50" W., 2883.78 ft.

A cross (+) and BR-H1-3447, chiseled on face of granite outcrop, 5 x 3 ft., 3 ft. above ground, bears N. 58° 38' E., 5.2 ft.

No other bearings available.

Thence N. 32° 12' E.

300.00 W. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground, scribed WEC-HERCULES-3447.

400.00 Cor. No. 4, Majestic Lode of this survey.

600.00 To Cor. No. 2.

Identical with Cor. No. 2, Badger Lode of this survey, heretofore described.

SURVEY NO.-3447- Continued.

HERCULES LODE-Continued.

Thence S. 55° 20' E.

1308.62 To Cor. No. 3.

Identical with Cor. No. 1, Badger Lode, and Cor. No. 2 Wild Cat Lode, both of this survey, heretofore described.

Thence S. 67° 57' E.

191.78⁶ To Cor. No. 4.

On line 1-2 Wild Cat Lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 10 ins. in the ground on bedrock, with mound of stone, scribed H4-3447.

No bearing objects available.

Thence S. 32° 12' W.

170.26 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground, scribed EEC-HERCULES-3447.

470.26 To Cor. No. 5.

A redwood post, 4 ft. long, 4 ins. square, set 10 ins. in ground on bedrock, with mound of stones, scribed H5-3447, whence

A cross (+) and BRH5-3447, chiseled on face of granite outcrop, 3 x 4 ft., 3 ft. above ground, bears S. 12° 07' E., 28.5 ft.

No other bearings available.

Thence N. 61° 54' W.

750.00 Center of road running southwesterly.

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

WATER WITCH LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 4, Majestic Lode of this survey

SURVEY NO.-3447-Continued.

WATER WITCH LODE-Continued.

heretofore described.

The $\frac{1}{4}$ Cor. between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S.R.B. & M., unapproved, bears S. $6^{\circ} 12' 30''$ W., 1598.72 ft.

The Cor. to Secs. 2, 3, 34 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M. bears S. $60^{\circ} 44' 40''$ W. 3228.82 ft.

Thence N. $63^{\circ} 43'$ W.

540.00 Center of road running southwesterly.
1500.00 To Cor. No. 2.

Identical with Cor. No. 3, Majestic Lode of this survey, heretofore described.

Thence N. $32^{\circ} 12'$ E.

128.79 N.E. Cor. Good Enough Lode, unsurveyed.
300.00 W. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in the ground, scribed WEC-WATER WITCH-3447.

600.00 To Cor. No. 3.

Identical with Cor. No. 2, Woodchuck Lode of this survey, heretofore described.

Thence S. $63^{\circ} 43'$ E.

1235.00 Center of road running southwesterly.
1500.00 To Cor. No. 4.

Identical with Cor. No. 1, Woodchuck Lode of this survey, heretofore described.

Thence S. $32^{\circ} 12'$ W.

300.00 E. end center.

A redwood post, 4 ft. long, 4 ins. square, set 12 ins. in ground, scribed EEC-WATER WITCH-3447.

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

SURVEY NO.,-3447-Continued.

Variation at all corners $15^{\circ} 40'$ E.

 . LODE LINES.

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

Badger Lode, 475 ft., N. $55^{\circ} 20'$ W. and 833.62 ft. S. $55^{\circ} 20'$ E.

Woodchuck Lode, 245 ft., S. $63^{\circ} 43'$ E., and 1255 ft. N. $63^{\circ} 43'$ W.

Majestic Lode, 365 ft., N. $63^{\circ} 43'$ W., and 1135 ft. S. $63^{\circ} 43'$ E.

Wild Cat Lode, 475 ft. N. $67^{\circ} 57'$ W., and 1025 ft. S. $67^{\circ} 57'$ E.

Hercules Lode, 575 ft., N. $61^{\circ} 54'$ W., and 925 ft. S. $61^{\circ} 54'$ E.

Water Witch Lode, 750 ft., S. $63^{\circ} 43'$ E., and 750 ft., N. $63^{\circ} 43'$ W.

 AREA.

	Acres.
Total Area Badger Lode-----	18.008
Total Area Woodchuck Lode-----	15.261
Total Area Majestic Lode-----	20.551
Area in conflict with	
Sur. No. 3422 Black Rock Spring Lode	
2.275. Acres.	
Total Area Wild Cat Lode-----	20.338
Total Area Hercules Lode-----	17.751
Total Area Water Witch Lode-----	20.551

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

SURVEY NO. 3447-Continued.

LOCATION.

This survey is located in Sections 35 and 36, T. 24 N., R. 18 W.; G. & S. R. B. & M., unapproved survey.

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 this claim by the claimant, or its grantors, is not less than Five Hundred Dollars, and that said improvements consist of:

BADGER.

No. 1. The discovery shaft ~~of the Badger Lode~~, on the center line, 475 ft. from the center of line 2-3, 4 x 6 ft., 40 ft. deep. At the bottom of shaft a drift runs S. 57° 30' E., 24 ft. to face and N. 57° 30' W., 110 ft. to surface.

Value of shaft and drift, \$1820.00

No. 2. A shaft which bears from Cor. No. 4, ~~Badger Lode~~, N. 80° 35' W.; 688 ft., 4 x 6 ft., 82 ft. deep.

Value, \$984.00

No. 3. A shaft which bears from Cor. No. 4, ~~Badger Lode~~, N. 70° 02' W., 640 ft., 4 x 6 ft., 50 ft. deep.

Value, \$600.00

No. 4. A shaft which bears from Cor. No. 4, ~~Badger lode~~, S. 85° 59' W., 504 ft.

Value, \$624.00

An undivided one-third interest in improvement No. 1 of the Woodchuck Lode, hereafter described.

Value, \$3720.00

WOODCHUCK.

No. 1. 1016 ft. of tunnel of an average cross-section of 4½ x 6 ft., the portal of which being the discovery point, is on the lode line 245 ft. from a

SURVEY NO. 3447-Continued.

point on line 4-1, N. 32° 12' E., 160 ft. from Cor. No. 1, and extends thence S. 46° 55' E., 1016 ft. At a point in the tunnel 200 ft. from the mouth is a winze 4 x 6 ft., 100 ft. deep. Total Value, \$11,160.00

An undivided 1/3 interest is assigned to this claim, \$3720.00

This tunnel commences on the Woodchuck Lode and extends in a southeasterly direction into the Badger Lode, and will, if continued in its present course, cut the Wild Cat Lode, as well as the Badger and Woodchuck Lodes. This improvement cannot consistently be considered an improvement for the benefit and development of the Hercules, Water Witch and Majestic Lodes, as the surface of the Hercules lies below the tunnel level, and the ground slopes precipitously from the tunnel towards the Water Witch and the Majestic Lodes. An undivided 1/3 interest (\$3720.00) in the value of this improvement is therefore accredited to the Wild Cat, Badger and Woodchuck Lode claims.

MAJESTIC.

No. 1. The discovery shaft of the ~~Majestic Lode~~ on the center line, 365 ft. from the center of line 2-3, 4 x 6 ft., 8 ft. deep.

Value, \$50.00

No. 2. A tunnel, the mouth of which bears from Cor. No. 4, ~~Majestic Lode~~, N. 82° 02' W., 715 ft., 4 x 6 ft., running S. 63° 45' E., 75 ft. At the mouth of tunnel is a shaft 4 x 6 ft., 70 ft. deep.

Value of tunnel and shaft, \$1590.00

No. 3. A cut, the mouth of which bears from Cor. No. 4, ~~Majestic Lode~~, N. 84° 55' W., 620 ft., 4 ft. wide, 10 ft. face, running S. 64° E., 20 ft. From the face is a tunnel, 4 x 6 ft., running S. 64° E., 40 ft.

Value of cut and tunnel, \$500.00

No. 4. A cut, the mouth of which bears from Cor.

SURVEY NO. 3447-Continued.

No. 3. A shaft, which bears from Cor. No. 2, ~~Hercules Lode~~, S. 35° 46' E., 658 ft., 4 x 6 ft., 6 ft. deep.

Value, \$15.00

WATER WITCH.

No. 1. The discovery cut ~~of the Water Witch Lode~~, the mouth of which being the discovery point, is on the center line 750 ft. from the center of line 4-1, 4 ft. wide, 12 ft. face, running N. 63° W., 12 ft.

Value, \$40.00

No. 2. A tunnel, the mouth of which bears from Cor. No. 4, ~~Water Witch Lode~~, S. 79° 47' W., 232 ft., 4 x 6 ft., running S. 66° E., 114 ft.

Value, \$660.00

No. 3. A shaft, which bears from Cor. No. 4, ~~Water Witch Lode~~, N. 64° 40' W., 582 ft., 4 x 6 ft., 6 ft. deep.

Value, \$15.00

OTHER IMPROVEMENTS.

A house, the N.E. Cor. of which bears from Cor. No. 3, Hercules Lode, N. 59° 55' W., 570 ft., 14 x 25 ft. Course of long sides N. 60° W.

A water tunnel, the mouth of which bears from Cor. No. 4, Badger Lode, N. 73° 05' W., 460 ft., 4 x 6 ft., running N. 43° E., 10 ft.

ADJOINING CLAIMS.

Adjoining claims are as follows: On the Northwest the Good Enough Lode, ^{unsur} Anna E. Durkee, Claimant, and the Black Rock Spring Lode, ^{Sur. No. 3422,} Schuylkill Mining Company, claimant.

INSTRUMENT.

This survey was made with a C.L. Berger & Sons transit No. 3164. The courses were deflected from the

SURVEY NO. 3447-Continued.

No. 2, ~~Majestic Lode~~, N. 69° 58' E., 453 ft., 4 ft. wide, 8 ft. face, running S. 63° E., 15 ft.

Value, \$25.00

No. 5. A tunnel, the mouth of which bears from Cor. No. 2, ~~Majestic Lode~~, N. 76° 28' E., 370 ft., 4 x 6 ft., running S. 70° E., 55 ft. From the face is a raise 4 x 6 ft., 25 ft. to surface. At the mouth of tunnel is a shaft 4 x 6 ft., 50 ft. deep.

Value of tunnel, shaft and raise, \$1400.00

WILD CAT.

No. 1. The discovery cut ~~of the Wild Cat Lode~~, the mouth of which being the discovery point, is on the center line 475 ft.; from the center of line 2-3, 4 ft. wide, 10 ft. face, running N. 20° E., 13 ft.

Value, \$40.00

No. 2. An undivided 1/3 interest in improvement No 1. on Woodchuck Lode, heretofore described.

Value, \$3720.00

HERCULES.

No. 1. The discovery shaft ~~of the Hercules Lode~~ on the center line, 575 ft. from the center of line 1-2 4 x 6 ft., 13 ft. deep.

Value, \$130.00

No. 2. A shaft, which bears from Cor. No. 3, ~~Hercules Lode~~, N. 64° 05' W., 525 ft., 4 x 6 ft., 250 ft. deep. Inclined 65° from the horizontal. Course N. 20° E. Timbered. From the shaft at 50 ft. depth a drift 4 x 6 ft., runs S. 71° E., 15 ft., and N. 71° W., 50 ft. At 150 ft. depth a drift 4 x 6 ft., runs S. 70° 30' E., 50 ft., and N. 71° W., 200 ft. At 250 ft. depth a drift 4 x 6 ft., runs S. 70° 30' E., 45 ft., and N. 70° 30' W., 120 ft., and from the same point a cross cut 4 x 6 ft. runs S. 30° W., 20 ft.

Value of shaft, drifts, and cross cut, \$10,200.00

SURVEY NO. 3447-Continued.

true meridian as determined by observation on Polaris. The distances were measured with 100 and 500 ft. steel tapes.

REPORT.

The lode line of each location of this claim was run directly upon the ground and the several corners established by means of offsets from the lode lines. All tie lines were run directly upon the ground.

The Cor. of Secs. 1, 2, 35 and 36, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, and the $\frac{1}{4}$ Cor. between Secs. 2 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., unapproved, are iron posts properly set and marked.

The Cor. of Secs. 2, 3, 34 and 35, Ts. 23 and 24 N., R. 18 W., G. & S. R. B. & M., is an iron post, properly set and marked.

NOV. 13 1917

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Louis D. Rasor,
 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 _____
 _____ Arizona Western Mines Company,
 known as the Badger, Woodchuck, Majestic, Wild Cat, Hercules and Water Witch
Lodes,
 and showing the respective capacities in which they acted.

_____ C. A. Douglas _____, *Chainman.*
 _____ XXXXXXXXXXXX _____, *Chainman.*
 _____ XXXXXXXXXXXX _____, *Aceman.*
 _____ XXXXXXXXXXXX _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~We,~~ _____ I, C. A. Douglas, _____
 and _____ XXXXXXXXXXXX _____, do solemnly swear that ~~we~~ ^I assisted _____ Louis D.
Rasor _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of _____ Arizona Western Mines Company,

 known as the Badger, Woodchuck, Majestic, Wild Cat, Hercules and Water
Witch 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~~ ^{my} 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.

_____ CA Douglas _____, *Chainman.*
 _____ XXXXXXXXXXXX _____, *Chainman.*
 _____ XXXXXXXXXXXX _____, *Aceman.*
 _____ XXXXXXXXXXXX _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 12th
 day of November, 1917

My Commission
 Expires Feb. 28th 1920

J. M. Russell,
Notary Public

NOV 13 1917

4-686.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Louis D. Rasor, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona,, dated
October 10, 1917,, 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 Arizona Western Mines Company,
....., known as the
Badger, Woodchuck, Majestic, Wild Cat, Hercules and Water Witch
Lodes,
situate in Wallapai Mining District,
Mohave County, Arizona, in Sections
35 and 36, Township No. 24 N., Range No. 18 W., G. & S. R. B. & M. unapproved
and designated as Survey No. 3447, 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 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.

Louis D. Rasor.
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Louis D. Rasor
U. S. Mineral Surveyor, before me a Notary Public
..... this 12th
day of Nov., 19 17

J. M. Russell,
Notary Public

AMENDED LOCATION CERTIFICATE.

SEP. 30, 1917

KNOW ALL MEN BY THESE PRESENTS,

That the Arizona Western Mines Company, 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 and rules, hereby makes and files its Amended Location of the Badger Lode, claiming by right of discovery, location, primal appropriation and possession 1308.62 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place, bearing valuable minerals, with all dips, variations and angles, the same running S. 55°20' E. 833.62 feet along the ledge from the discovery point and N. 55°20' W. 475 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim. Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. No. 1 whence the 1/4 Corner in North boundary of Sec. 2 T. 23 N. R. 18 W. G & S. R. B. & M. bears S. 53°12' W. 1693.16 feet. Thence N. 55°20' W. 1308.62 feet to Cor. No. 2; Thence N. 32°12' E. 300 feet to West End Center, -600 feet to Cor. No. 3; Thence S. 55°20' E. 1308.62 feet to Cor. No. 4; Thence S. 32°12' W. 300 feet to east end center, whence the discovery point bears N. 55°20' W. 833.62 feet 600 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made November 2nd, 1883, recorded November 3d, 1883 in Book H, Page 61 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, November 2nd, 1883.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY.

By A. T. Dunbar,
Its President.

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Filed and recorded at request of Douglas & Rasor October 2nd,
A.D. 1917 at 9 o'clock A.M. in Book SS of Mines, Pages 362 - 363,
Records of Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Fraser,
Deputy Recorder.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS,

That the Arizona Western Mines Company, 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 and rules, hereby makes and files its Amended Location of the Woodchuck 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 valuable minerals, with all dips, variations and angles, the same running S. 63°43' E. 245 feet along the ledge from the discovery point, and N. 63°43' W. 1255 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim: Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. No. 1 whence the 1/4 corner in North boundary of Sec. 2, T. 23 N. R. 18 W. G. & S. R. B. & M. bears S. 13°13' W. 2154.14 feet. Thence N. 63°43' W. 1500 feet to Cor. No. 2; Thence N. 32°12' E. 160 feet to the West End Center, -460 feet to Cor. No. 3; Thence S. 62°57' E. 1497.29 feet to Cor. No. 4; Thence S. 32°12' W. 271.1 feet to the East End Center, whence the discovery point bears N. 63°43' W. 245 feet, -431.1 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made July 19th, 1897, recorded October 2nd, 1897, in Book N, Page 146-147 of Quartz Locations in the Office of the Recorder of said County, and 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, July 19th, 1897.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY.

By A. T. Dunbar,
Its President.

-2-

Filed and recorded at request of Douglas & Rasor October 2nd A.D.
1917 at 9 o'clock A.M. in Book SS of Mines, Pages 363, Records of
Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Traser,
Deputy Recorder.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS,

That the Arizona Western Mines Company 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 and rules, hereby makes and files its Amended Location of the Majestic 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 valuable minerals, with all dips, variations and angles, the same running S. 63°43' E. 1135 feet along the ledge from the discovery point, and N. 63°43' W. 365 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim. Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. No. 1 whence the $\frac{1}{4}$ Cor. in North boundary of Sec. 2, T. 23 N, R. 18 W. G. & S. R. B. M. bears S. 7° 44' E. 1091.54 feet; Thence N. 63°43' W. 1500 feet to Cor. No. 2; Thence N. 32°12' E. 300 feet to West End Center, -600 feet to Cor. No. 3; Thence S. 63°43' E. 1500 feet to Cor. No. 4; Thence S. 32°12' W. 300 feet to East End Center, whence the discovery point bears N. 63°43' E. 1135 feet, -600 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made January 1st, 1910, recorded March 28th, 1910 in Book FF, Page 247, 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, 1910.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY.

By A. T. Dunbar,
Its President.

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Filed and recorded at request of Douglas & Rasor October 2nd A.D. 1917 at 9 o'clock A.M. in Book SS of Mines, Pages 364, Records of Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Fraser,
Deputy Recorder.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS.

That the Arizona Western Mines Company, 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 and rules, hereby makes and files its Amended Location of the Wild Cat 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 valuable minerals, with all dips, variations and angles, the same running S. 67° 57' E. 1025 feet along the ledge from the discovery point, and N. 67° 57' W. 475 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim. Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. No. 1 whence the N. E. Cor. of Sec. 2, T. 23 N. R. 18 W, G. & S. R. B. & M. bears S. 11° 24' W. 475.4 feet. Thence N. 67° 57' W. 1500 feet to Cor. No. 2; Thence N. 32° 12' E. 300 feet to West End Center, -600 feet to Cor. No. 3; Thence S. 67° 57' E. 1500 feet to Cor. No. 4; Thence S. 32° 12' W. 300 feet to East End Center whence the discovery point bears N. 67° 57' W. 1025 feet, 600 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made March 9th, 1901, recorded June 4th, 1901, in Book P, Page 191 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, March 9th, 1901.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY

By A. T. Dunbar,
Its President.

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Filed and Recorded at Request of Douglas & Rasor October 2nd A.D.
1917 at 9 o'clock A.M. in Book SS of Mines, Pages 365, Records of
Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Fraser,
Deputy Recorder.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS,

That the Arizona Western Mines Company, 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 and rules, hereby makes and files its Amended Location of the Hercules 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 valuable minerals, with all dips, variations and angles, the same running S. 61°54' E. 925 feet along the ledge from the discovery point, and N. 61°54' W. 575 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim. Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. no. 1 whence the 1/4 Corner in North boundary of Sec. 2, T. 23 N. R. 18 W. G. & S. R. B. & M. bears S. 1°51' E. 1251.51 feet; Thence N. 32°12' E. 300 feet to the West end Center, - 600 feet to Cor. No. 2; Thence S. 55°20' E. 1308.62 feet to Cor. No. 3; Thence S. 67°57' E. 191.76 feet to Cor. No. 4; Thence S. 32°12' W. 170.26 feet to east end center, whence the discovery point bears N. 61°54' W. 925 feet, -470.26 feet to Cor. No. 5; Thence N. 61°54' W. 1500 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made September 7th, 1904, recorded September 8th, 1904 in Book W, Page 21 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 7th, 1904.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY

By A. T. Dunbar,
Its President.

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Filed and recorded at request of Douglas & Rasor October 2nd
A.D. 1917 at 9 o'clock A.M. in Book SS of Mines, Pages 365-366,
Records of Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Fraser,
Deputy Recorder.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS,

That the Arizona Western Mines Company, 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 and rules, hereby makes and files its Amended Location of the Water Witch 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 valuable minerals with all dips, variations and angles, the same running S. 63°43' E. 750 feet along the ledge from the discovery point, and N. 63°43' W. 750 feet along the ledge therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, ledges, mineral deposits, mineral and surface ground within the lines of said claim. Situate in Wallapai Mining District, County of Mohave, State of Arizona, and more particularly described as follows, to-wit:

Beginning at Cor. No. 1 whence the 1/4 corner in north boundary of Sec. 2, T. 23, N. R. 18 W. G. & S. R. B. & M. bears S. 6°12'30" W. 1598.72 feet. Thence N. 63°43' W. 1500 feet to Cor. No. 2; Thence N. 32°12' E. 300 feet to the west end center, -600 feet to Cor. No. 3; Thence S. 63°43' E. 1500 feet to Cor. No. 4; Thence S. 32°12' W 300 feet to the east end center, whence the discovery point bears N. 63°43' W. 750 feet, -600 feet to Cor. No. 1, the place of beginning.

This amended location is made in conformity with the original location made February 15th, 1917, recorded March 20th, 1917, in Book UU, Page 440, 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 waving 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, February 15th, 1917.
Date of Amended Location, September 30, 1917.

ARIZONA WESTERN MINES COMPANY.

By A. T. Dunbar,
Its President.

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Filed and recorded at request of Douglas & Rasor October 2nd A.D.
1917 at 9 o'clock A.M. in Book SS of Mines, Pages 366-367, Records of
Mohave County, Arizona.

H. L. Underwood,
County Recorder.
By Justin Fraser,
Deputy Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 17, 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 ARIZONA WESTERN MINES COMPANY

known as the BADGER, WOODCHUCK, MAJESTIC, WILD CAT, HERCULES, AND WATER WITCH LODES, situate in WALLAPAI

Mining District, MOHAVE County, ARIZONA

in Sections 35 & 36, Township No. 24 N., Range No. 18 W., Unapproved, and designated as Survey No. 3447,

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 11 shafts, 4 cuts, 5 tunnels, 7 drifts, 1 raise, 1 winze and 1 crosscut, total value \$29,853.

As improvement No. 1 on the Woodchuck lode is a common improvement for the benefit and development of the Badger and Wild Cat lodes of this survey, as well as the said Woodchuck lode, and does not tend to develop the other claims in this survey, an undivided one-third interest therein, value \$3720, is properly credited to each the said Woodchuck, Badger and Wild Cat lodes, 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.

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 six amended location certificates, Badger, Woodchuck, Majestic, Wild Cat, Hercules and Water Witch lodes, and of the endorsement thereon 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 6th

day of ..October....., 1917.

H. L. Underwood
.....
Recorder of Mohave County, 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,

July 17, 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

ARIZONA WESTERN MINES COMPANY

, known as the

BADGER, WOODCHUCK, MAJESTIC, WILD CAT, HERCULES AND WATER WITCH LODES,

situate in WALLAPAI mining district,

MOHAVE County, ARIZONA,

in Sections 35 and 36, Township No. 24 N., Range No. 18 W., Unapproved

, designated as Survey No. 3447

executed by Louis D. Rasor, United States Mineral

Surveyor, Nov. 1-8, 1917, under my instructions dated

October 10, 1917, 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 of Frank P. Pratt

U. S. Surveyor-General for Arizona.