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MINERAL SURVEY NO. 1308

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King	8	22	5
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(4-683.)

Mineral Survey No. 1308

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Charles W. Welch, assignee of Leonard Lewisohn

KNOWN AS THE
Ward, Alta Copper, Broadtop, Epile, King, malachite, Bonnie Blue, Amole, Cuprite, Dicola,
and Blue Point, Lodes — Helvetia Mining District,

Pima County, *Arizona*

Section _____, Township *18 South*, Range *15 7 1/2 E. uns d*

Surveyed under instructions dated *July 19th*, 1893,

by *George Ruskidge*
U. S. Deputy Mineral Surveyor.

Claim located _____, 18__

Survey commenced *July 21st*, 1893.

Survey completed *August 8th*, 1893.

<i>Ward</i> located Feb: 16. 1894.	<i>Bonnie Blue</i> located Mar 20. 1894.
<i>Alta Copper</i> located Jan 1 st 1893.	<i>Amole</i> located April 7. 1894.
<i>Broadtop</i> located Jan 1 st 1891.	amended May 13. 1895.
<i>Epile</i> , located Feb: 6. 1893.	<i>Cuprite</i> located Feb: 11. 1893.
<i>King</i> located May 6. 1894.	<i>Dicola</i> located July 1 st 1894.
<i>malachite</i> located Feb: 11. 1893.	<i>Blue Point</i> located July 1 st 1894.

Address of Claimants *Allys messrs Hereford & Hazzard*
Tucson, Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

W. Will R. Winton and _____
do solemnly swear that ~~we~~ ^I will well and faithfully execute the duties of chain carriers; that ~~we~~ ^I will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that ~~we~~ ^I will report the true distance to all notable objects, and the true length of all lines that ~~we~~ ^I assist in measuring, to the best of ~~our~~ ^{my} skill and ability, and in accordance with instructions given ~~us~~ ^{me}, in the survey of the Mining Claim of Leonard Lewisohn
known as the Ward, Alta Copper, Broadtop, Ecile, known as the King, Malachite, Bonnie Blue, Amole, Cuprite, Arcola, Blue Point, Sodes
situate in Helvetia mining district,
Pima County, Arizona,
in Section _____, Township No. 18 South, Range No. 15 West, T. & R. M. (unsurveyed)

Will R. Winton, Chainman.
_____, Chainman.

Subscribed and sworn to by the above-named persons before me this 21st day of July, 1898.

George J. Roskrige
my Commission expires Feb. 11, 1899.

I, Carlos P. Lopez, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of Leonard Lewisohn, known as the Ward, Alta Copper, Broadtop, Ecile, King, Malachite, Bonnie Blue, known as the Blue, Amole, Cuprite, Arcola and Blue Point, Sodes, more fully described in the preceding affidavit.

Carlos P. Lopez, Axeman.

Subscribed and sworn to by the said Carlos P. Lopez before me this 21st day of July, 1898.

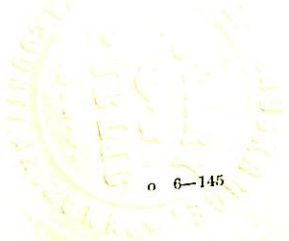
George J. Roskrige
my Commission expires Feb. 11, 1899.

I, Jose R. Lopez, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of Leonard Lewisohn, known as the Ward, Alta Copper, Broadtop, Ecile, King, Malachite, Bonnie Blue, known as the Amole, Cuprite, Arcola and Blue Point, Sodes, more fully described in the preceding affidavit.

Jose R. Lopez, Flagman.

Subscribed and sworn to by the said Jose R. Lopez before me this 21st day of July, 1898.

George J. Roskrige
my Commission expires Feb. 11, 1899.



Feet.

Survey No. 1308.

Ward Lode.

Beginning at Cor. No. 1.

Identical with Cor. No. 4. Alta Copper lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 1-4-1308, whence

U. S. L. M., No. 1, bears N. 48° 50' W., 2726 ft.

An oak, 8 ins. diam., bears S. 77° W. 46 ft., and an oak, 6 ins. diam., bears N. 24° 30' E. 6 ft., each blazed and scribed D. J. 1-4-1308.

Thence N. 88° 10' E.

Descending over northerly slope of hill, and on line 4-3 Alta Copper lode of this survey.

320. Foot of slope and commence ascent of southerly slope of Alta hill.

1330. To Cor. No. 2.

Identical with Cor. No. 3, Alta Copper lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-3-1308, whence

Cor. No. 4, Malachite lode of this survey, bears N. 22° 20' W. 30 ft.

No other bearings available.

Thence S. 29° E.

Descending Easterly slope of Alta hill.

335. To Initial Mon.

A redwood post, in mound of stone, scribed I. M. W.

670. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308,

Feet

whence

An oak, 6 ins. diam., bears N. 20° E. 66.5 ft., and an oak, 6 ins. diam., bears N. 28° E. 72.5 ft., each blazed and scribed B. T. 3-1308.

Thence S. 88° 10' W.

Over broken ground.

275. To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1308, whence

An oak, 6 ins. diam., bears N. 41° 30' E. 62.5 ft., and an oak, 8 ins. diam., bears N. 24° 30' E. 126 ft., each blazed and scribed B. T. 4-1308.

Thence N. 1° 50' W.

On line 3-2 Narragansett Mill-site, unsurveyed, James K. Brown, Claimant.

42. To Cor. No. 5.

Identical with Cor. No. 2, Narragansett Millsite, unsurveyed.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 5-1308, whence

An oak, 7 ins. diam., bears N. 24° E. 88 ft., and an oak, 6 ins. diam., bears N. 19° 30' W. 29 ft., each blazed and scribed B. T. 5-1308.

Thence S. 88° 10' W.

On line 2-1 Narragansett Mill-site, unsurveyed.

120. Ravine, 20 ft. deep, course S. 20° E.

525 To Cor. No. 6.

Identical with Cor. No. 1, Narragansett Mill-site, unsurveyed.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 6-1308,

Feet.

whence

An oak, 6 ins. diam., bears S. 23° 30' W. 8 ft., and an oak, 8 ins. diam., bears S. 31° 30' E. 61.8 ft., each blazed and scribed B. T. 6-1308.

Thence S. 1° 50' E.

On line 1-4 Narragansett Mill site, unsurveyed.

42. To Cor. No. 7.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 7-1308, whence

An oak, 7 ins. diam., bears S. 50° 30' E. 4.8 ft. and an oak, 10 ins. diam., bears S. 53° W. 55.5 ft., each blazed and scribed B. T. 7-1308

Thence S. 88° 10' W.

455. To Cor. No. 8.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground with mound of stone, scribed 8-1308, whence Cor. No. 3. Aug. 1297 A. Daylight lode bears S. 43° 50' E. 930 ft.

An oak 12 ins. diam., bears N. 14° 30' W. 76.5 ft., and an oak, 10 ins. diam., bears N. 32° W. 59.8 ft. each blazed and scribed B. T. 8-1308

Thence N. 39° 15' W.

ascending over broken ground along northerly slope of hill.

375.2 To Cor. No. 9.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 9-1308.

No bearings available.

Thence N. 29° W.

ascending over broken ground.

335. To Cor. No. 1. the place of beginning.

Alta Copper Lode.

Beginning at Cor. No. 1.

Identical with Cor. No. 4, Broadtop lode of this survey.

A redwood post, 4 ft. long, 4 ins.

Feet. Square, set 18 ins. in the ground, with mound of stone, scribed 1-4-1308, whence

W. S. L. M., No. 1, bears N. 56° 05' W, 2178 ft. An oak, 9 ins. diam., bears N. 28° E. 24 ft. and an oak, 12 ins. diam., bears N. 44° E. 24 ft. each blazed and scribed B.T. 1-4-1308

Thence N. 88° 10' E.

Along southerly slope of Alta hill and on line 4-3 Broadtop lode of this survey.

1330. To Cor. No. 2.

Identical with Cor. No. 3 Broadtop lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-3-1308.

No bearings available

Thence S. 22° 20' E.

Descending over southerly slope of Alta Hill, and on line 1-4 Malachite lode of this survey.

300. To East center Mon.

A redwood post in mound of stone, scribed E. Ct., A. C.

600. To Cor. No. 4, Malachite lode of this survey.

630. To Cor. No. 3.

Identical with Cor. No. 2, Ward lode of this survey.

Thence S. 88° 10' W.

1010 Foot of descent and ascend northerly slope of hill.

1330 To Cor. No. 4.

Identical with Cor. No. 1, Ward lode of this survey.

Feet. Thence $N. 22^{\circ} 20' W.$
 Along northerly slope of hill.
 330. To Initial Mon.
 A redwood post, in mound of
 stone, scribed J. M., A. C.
 630 To Cor. No. 1, the place of beginning.

Broadtop Lode.

Beginning at Cor. No. 1.
 A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed 1-1308,
 whence, Cor. No. 1, Exile lode, bears $N. 82^{\circ} 41' W.$ 230.6 ft.
 W. S. L. M., No. 1, bears $N. 67^{\circ} 44' W.$ 1712 ft.
 South center Mon., Exile lode of
 this survey, bears $S. 7^{\circ} 15' W.$ 191.5 ft.
 An oak, 12 ins. diam, bears
 $N. 45^{\circ} 15' E.$ 60 ft., and an oak, 10
 ins. diam, bears $N. 71^{\circ} 45' E.$ 72.5 ft.
 each blazed and scribed B. F. 1-1308.

Thence $N. 88^{\circ} 10' E.$

Over rough broken ground on summit
 of Alta Hill.
 596.5 Intersect line 4-3 Exile lode of
 this survey.
 1330. To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed 2-1308,
 whence
 An oak, 8 ins. diam, bears $N. 15^{\circ} 30' W.$
 11 ft., and an oak, 10 ins. diam.,
 bears $N. 35^{\circ} E.$ each blazed and
 scribed B. F. 2-1308.

Thence $S. 22^{\circ} 20' E.$

Over broken ridges of Alta Hill, and
 on line 1-4 Malachite lode of
 this survey.
 5. 300. To East Center Mon.

Feet. A redwood post, in mound of stone, scribed E. Et. B.

600. To Cor. No. 3.

Identical with Cor. No. 2, Alta Copper lode of this survey.

Thence S. $88^{\circ} 10' W$.

Along South Westerly slope of Alta Hill, and on line 2-1 Alta Copper lode of this survey.

1330. To Cor. No. 4.

Identical with Cor. No. 1, Alta Copper lode of this survey.

Thence N. $22^{\circ} 20' W$.

Over broken bluffs of Alta Hill.

182.9 Intersect line 1-4 Exile lode of this survey.

300. To Initial Snow.

A redwood post in mound of stone, scribed J. M. - B.

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

Exile 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 1-1308, whence

W. S. L. M., No. 1, bears N. $65^{\circ} 05' W$.

1494 ft. - Cor. No. 1, Broadtop, bears S. $82^{\circ} 41' E$, 230.6 ft.

N. E. Cor., Lot No. 38, Omega lode, 1st Ex. South, bears N. $44^{\circ} 20' E$, 127 ft.

An oak, 12 ins. diam, bears N. $42^{\circ} 10' W$, 11 ft. and an oak, 18 ins. diam, bears S. $78^{\circ} W$, 51 ft., each blazed and scribed B. F. 1-1308.

Thence N. $47^{\circ} E$.

Over broken ground along North Westerly slope Alta Hill.

1222.4 Intersect line 1-4, King lode of

Feet. this survey
1500. To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1308.
No bearings available.

Thence S. 43° E.

Ascending northerly slope Alta Hill.
300. To Initial Now.

A redwood post in mound of stone, scribed S. M. E.

570. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308, whence, Cor. No. 3, Kinglode, bears S. $49^{\circ}28'$ E. 304.9 ft.

Cor. No. 1, Malachite lode of this survey, bears S. $8^{\circ}20'$ W. 315.5 ft.

An oak, 6 ins. diam, bears N. $13^{\circ}30'$ E. 29.5 ft., and an oak, 6 ins. diam, bears S. $69^{\circ}30'$ W. 53.5 ft, each blazed and scribed B. J. 3-1308.

Thence S. 47° W.

Along North Westerly slope of Alta Hill.
492.5 Intersect line 4-1 King lode of this survey.

903.7 Intersect line 1-2 Broadtop lode of this survey

1500. To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1308, whence

Cor. No. 5, Lot No. 39, Eclipse lode, bears S. $39^{\circ}25'$ W. 86.5 ft.

An oak, 14 ins. diam., bears N. $72^{\circ}45'$ W. 16 ft., and an oak, 10 ins. diam., bears N. 14° E, 43 ft. each blazed and scribed B. J. 4-1308.

- Feet. Thence N. 43° W.
 Over broken ground, along North
 Westerly slope Alta Hill.
 2.2 Intersect line 1-4 Broadtop lode of
 this survey.
 270. To South Center Mon.
 A redwood post, in mound of
 stone, scribed S. E & E.
 570. To Cor. No. 1, the place of beginning

King Lode.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed 1-1308, whence
 U. S. L. M. No. 1, bears S. $64^{\circ}17'$ W. 2165 ft.
 Cor. No. 4, Survey #1312, Baltimore lode,
 bears N. $50^{\circ}05'$ W. 636 ft.

An oak, 15 ins. diam. bears N. $38^{\circ}30'$ E.
 100.5 ft., and an oak, 8 ins. diam., bears
 N. $17^{\circ}30'$ E. 117 ft., each blazed and scribed
 B. J. 1-1308.

Thence N. $67^{\circ}40'$ E.

- Ascending steep side of hill sloping to South
 300. To North Center Mon.

Identical with Cor. No. 1, Arcola
 lode of this survey.

A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed N. E & K, 1-1308.

On line 1-4 Arcola lode of this
 survey.

600. To Cor. No. 2.

Identical with Cor. No. 1, Bonnie
 Blue lode, and Initial Mon, Arcola
 lode, both of this survey.

A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed
 2-1- J. M. A - 1308.

No bearings available.

Feet.

Thence S. $22^{\circ}20'$ E.

Over broken ridges of northerly slope Alta Hill and on line 1-4 Bonnie Blue lode of this survey.

1500 To Cor. No. 3.

Identical with Cor. No. 4 Bonnie Blue lode, and Initial Mon. Malachite lode, both of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed S-4, J. M. M. - 1308, whence Cor. No. 3. Escile lode of this survey, bears N. $49^{\circ}28'$ W. 304.9 ft.

An oak, 8 ins. diam., bears S. $5^{\circ}30'$ E. 71 ft., and an oak, 8 ins. diam., bears S. 2° W. 153.5 ft. each blazed and scribed B. T. 3-4-1308.

Thence S. $67^{\circ}40'$ W.

Along northerly slope of Alta Hill, and on line 1-2 Malachite lode of this survey.

300. To Initial Mon.

Identical with Cor. No. 1, Malachite lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed J. M. K., 1-1308, whence An oak, 18 ins. diam., bears N. $44^{\circ}45'$ W. 42.5 ft., and an oak, 8 ins. diam. bears S. 10° E. 44.5 ft., each blazed and scribed B. T. 1-1308.

600. To Cor. No. 4

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1308, whence

An oak, 15 ins. diam., bears N. 15° W. 18 ft., and an oak, 20 ins. diam. bears S. 37° E. 71 ft. each blazed and scribed B. T. 4-1308.

Thence N. $22^{\circ}20'$ W.

Descending over N.W. slope of Alta Hill.

97.2 Intersect line 3-4 Escile lode of this survey

706.4 Intersect line 1-2 Escile lode of this survey

1500. To Cor. No. 1, the place of beginning.

Feet.

Malachite Lode

Beginning at Cot. No. 1.

Identical with Initial Mon., King lode of this survey, whence

U. S. L. M., No. 1, bears N. 83° 10' W. 2819 ft.

Cot. No. 3, Exile lode of this survey, bears N. 8° 20' E. - 315.5 ft.

Thence N. 67° 40' E.

Ascending along northerly slope Alta Hill, and on line 4-3, King lode of this survey.

300. To Initial Mon.

Identical with Cot. No. 3, King lode, and Cot. No. 4 Bonnie Blue lode, both of this survey.

On line 4-3 Bonnie Blue lode of this survey.

300. To Cot. No. 2.

Identical with Initial Mon., Bonnie Blue lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-S. M., B. B. - 1308, whence

An oak, 6 ins. diam., blazed and scribed B. S. 2-1308, bears S. 9° W. 25 ft.

No other bearings available.

Thence S. 22° 20' E.

Over broken ground along Easterly slope Alta Hill, and on line 1-4 Amole lode of this survey.

1087. To Cot. No. 4, Amole lode of this survey

1500 To Cot. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308.

No bearings available.

- Feet. Thence S. 67° 40' W.
 Along southerly slope Alta Hill.
 300. To South Center Mon.
 A redwood post in mound of stone
 scribed S. C^t. M.
 600. To Cor. No. 4.
 A redwood post, 4 ft. long, 4 ins.
 square, set 18 ins. in the ground,
 with mound of stone, scribed 4-1308,
 whence
 Cor. No. 2 Ward lode, and Cor. No. 3
 Alta Copper lode, both of this survey
 bears S. 22° 20' E. 30 ft.
 No other bearings available.

- Thence N. 22° 20' W.
 Ascending southerly slope Alta Hill,
 and on line 3-2 Alta Copper lode
 of this survey.
 600. To Cor. No. 2, Alta Copper lode and
 Cor. No. 3, Broadtop lode, both of this
 survey.
 Line now runs over rough broken
 summit Alta Hill, and on line 3-2
 Broadtop lode of this survey.
 1200. To Cor. No. 2, Broadtop lode of this
 survey.
 1500. To Cor. No. 1, the place of beginning.

Bonnie Blue Lode
 Beginning at Cor. No. 1.
 Identical with Cor. No. 2, King lode,
 and Initial Mon. Arcola lode, both
 of this survey, whence
 U. S. L. M., No. 1, bears S. 64° 30' W. 3066 ft.
 No other bearings available.

- Thence N. 67° 40' E.
 Ascending westerly slope of hill, and
 on line 1-4 Arcola lode of this survey.
 300. To North Center Mon.

Feet. Identical with Cor. No. 4, Arcola lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed N. 0° 30' W. 4-1308. No bearings available.

570. To Cor. No. 2. and Summit of ridge bears N. 8° S.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1308. No bearings available.

Thence S. 22° 20' E.

Descending Easterly slope of hill.

1087. Intersect line 1-2 Arcola lode of this survey.

1500. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308. Whence

An oak, 9 ins. diam, blazed and scribed, B. T. 3-1308, bears N. 73° E, 57 ft.

No other bearings available.

Thence S. 67° 40' W.

Ascending Easterly slope of hill.

270. To Initial Mon.

Identical with Cor. No. 2, Malachite lode of this survey.

On line 2-1 Malachite lode of this survey.

570. To Cor. No. 4.

Identical with Cor. No. 3 King lode, and Initial Mon. Malachite lode, both of this survey.

Thence N. 22° 20' W.

Along Westerly slope of hill, and on line 3-2 King lode of this survey.

1500. To Cor. No. 1, the place of beginning.

Feet.

Amole Lode

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 1-1308, whence

U. S. L. M., No. 1, bears S. 84° 47' N. 3206 ft. No other bearings available.

Thence N. 67° 40' E.

Descending Easterly slope of hill.

270. Intersect line 2-3 Bonnie Blue lode of this survey.

300 To Initial Mon.

A redwood post in mound of stone scribed I. M. A.

443.8 Intersect line 1-4 Cuprite lode of this survey.

600. To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1308, whence

Cor. No. 1, Cuprite lode of this survey, bears S. 77° 37' N. 218.7 ft.

An oak, 12 ins. diam, bears S. 45° E. 12 ft. and an oak, 12 ins. diam., bears N. 1° 30' E. 26 ft. each blazed and scribed B. F. 2-1308.

Thence S. 22° 20' E.

Over broken ground at Eastern base of Alta Hill.

99.5 Intersect line 1-4 Cuprite lode of this survey.

1500. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308, whence

An oak, 10 ins. diam, bears S. 22° 15' N. 22 ft., and an oak, 10 ins. diam.

Sect. bears S. 56° W. 34 ft., each blazed and scribed B. T. 3-1308

Thence S. $67^{\circ}40'$ W.

Ascending South Easterly slope of Alta Hill.

300. To South Center Mon.

A redwood post in mound of stone, scribed S. N. W.

600. To Cor. No. 4.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1308, whence

An oak, 8 ins. diam, bears N. $38^{\circ}30'$ W. 71 ft., and an oak, 15 ins. diam, bears N. 37° W, 57 ft. each blazed and scribed 4-1308.

Thence N. $22^{\circ}20'$ W.

Over broken ground, along Easterly slope Alta Hill, to line 3-2 Malachite lode of this survey.

1087. To Cor. No. 2. Malachite lode, and Initial Mon. Bonnie Blue lode, both of this survey, and intersect line 4-3 Bonnie Blue lode.

1500. To Cor. No. 1, the place of beginning.

Cuprite Lode.

Beginning at Cor. No. 1.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 1-1308, whence

W. S. L. M. No. 1, bears S. $82^{\circ}45'$ W. 3572 ft.

Cor. No. 2, Arnole lode of this survey bears N. $77^{\circ}37'$ E. 218.7 ft.

An oak, 16 ins. diam, blazed and scribed B. T. 1-1308, bears S. $85^{\circ}15'$ E. 19.5 ft.

Thence N. $10^{\circ}10'$ E.
 Along Easterly slope of hill.
 1500. To Cor. No. 2.
 A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1308
 No bearings available.

Thence S. $79^{\circ}50'$ E.
 Descending Easterly slope of hill.
 300. To Initial Mon.
 A redwood post, in mound of stone, scribed J. M. C.
 600. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308.
 No bearings available.

Thence S. $10^{\circ}10'$ W.
 Along Easterly slope of hill.
 1500. To Cor. No. 4.
 A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1308.
 whence
 An oak, 6 ins. diam, bears S. 21° W. 37.5 ft., and an oak, 12 ins. diam, bears S. 85° E. 45.5 ft. each blazed and scribed B. J. 4-1308.

Thence N. $79^{\circ}50'$ W.
 Ascending over Easterly slope of hill.
 300. To South Center Mon.
 A redwood post in mound of stone, scribed S. C. C.
 344.5 Intersect line 2-3 Amole lode of this survey.
 529.7 Intersect line 1-2 Amole lode of this survey.
 600. To Cor. No. 1, the place of beginning.

Feet.

Arcola Lode.

Beginning at Cor. No. 1.

Identical with the North Center Mon., King lode of this survey, whence W. S. L. M., No. 1, bears S. 64° 44' W. 2454.8 ft.
No other bearings available

Thence N. 1° 20' W.

Along Western slope of hill.

1500. To Cor. No. 2.

Identical with Cor. No. 1, Blue Point lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1-1308.
No bearings available.

Thence N. 67° 40' E.

Ascending Western slope of hill, and on line 1-4 Blue Point lode of this survey.

300. To North Center Mon.

Identical with Initial Mon. Blue Point lode of this survey.

A redwood post in mound of stone scribed N. 67° 40' E. - I. M. B. P.

600. To Cor. No. 3.

Identical with Cor. No. 4, Blue Point lode of this survey.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-4-1308.
No bearings available.

Thence S. 1° 20' E.

Along Western slope of hill.

1500 To Cor. No. 4.

Identical with North Center Mon. Bonnie Blue lode of this survey.

Thence S. 67° 40' W.

Descending Westerly slope of hill and on line 1-2 Bonnie Blue lode of this survey.

Feet

300. To Initial Mon.

Identical with Cor. No. 1, Bonnie Blue lode, and Cor. No. 2, King lode, both of this survey.

600 To Cor. No. 1, the place of beginning.
 On line 2-1 King lode, of this survey.

Blue Point Lode.

Beginning at Cor. No. 1.

Identical with Cor. No. 2, Arcola lode, whence

U. S. L. M., No. 1, bears S. 40° 42' W.
 3367 ft. No other bearings available.

Thence N. 1° 20' W.

Along Westerly slope of hill.

1500. To Cor. No. 2.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1308.

No bearings available.

Thence N. 67° 40' E.

Ascending Westerly slope of hill.

300. To North Center Mon.

A redwood post, in mound of stone, scribed N. Ct., B. P.

600. To Cor. No. 3.

A redwood post, 4 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1308.

No bearings available.

Thence S. 1° 20' E.

Along Westerly slope of hill.

1500 To Cor. No. 4.

Identical with Cor. No. 3, Arcola lode of this survey

Feet.

Thence S. $67^{\circ}40'W$.

Descending westerly slope of hill,
and on line 2-3 Arcola lode of
this survey.

300. To Initial Mon.

Identical with north center Mon.
Arcola lode, of this survey.

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

The Harragansett meas. site, unsurveyed, is bounded on the
north by Ward lode of this survey.
The Ward lode of this survey is bounded on the ~~west~~ ^{west} by the
Harragansett lode, unsurveyed. There are no other adjoining claims.
Variation at all corners of the

Ward, Alta Copper, Broadtop, Escile,
King, Malachite, Bonnie Blue, Amole,
Cupsrite, Arcola and Blue Point
lodes, $12^{\circ}35' E$.

Area.

Total area Escile lode	-----	19.629 acres
Less area in conflict with		
Broadtop lode of this survey	--	<u>2.691 "</u>
Net area Escile lode	-----	16.938 acres.

Total area King lode	-----	20.661 acres
Less area in conflict with		
Escile lode of this survey	---	<u>5.036 "</u>
Net area King lode	---	15.625 acres.

Total area Amole lode	-----	20.661 acres
Less area in conflict with		
Bonnie Blue lode of this survey	--	<u>2.562 "</u>
Less area in conflict with		
Cupsrite lode of this survey	---	<u>.178 "</u>
Net area Amole lode	---	17.921 acres.

Total and net area Ward lode	17.693 acres
Total and net area Alta Copper lode	18.018 "
Total and net area Broadtop lode	17.159 "
Net area Escile lode	16.938 "
Net area King lode	15.625 "
Total and net area Malachite lode	20.661 "
Total and net area Bonnie Blue lode	19.628 "

Net area Amole lode	17.921 acres.
Total and net area Cuprite lode	20.661 "
Total and net area Arcola lode	19.288 "
Total and net area Blue Point lode	19.288 "
Net area lode claim ---	202.880 acres.

The surveys of the Ward, Alta Copper, Broadtop, Escile, King, Malachite, Bonnie Blue, Amole, Cuprite, Arcola, and Blue Point lodes, are identical with the respective locations.

The ledges of lode locations of this survey extend throughout the center of ~~each~~ location.

This claim is located on the Easterly and Westerly slopes of the Santa Rita Mountains in Helvetia Mining District, Pima County, Arizona, and will, when the Public Land surveys are extended over this section of country be embraced in T. 18 S., R. 15 and 16 E., G. and S. R. M., Arizona.

Expenditure of Five Thousand, Five Hundred Dollars.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and his grantors, is not less than five thousand, five hundred dollars, and that said improvements consist of:

No. 1. The discovery cut of the Ward lode, the face of which is on the center line 31 ft. from the center of line 1-8 and post N. C. N., 4 ft. wide, 4 ft. face, running S. 15° E. 9 ft. in earth and rock.

Value, \$5.

No. 2. A shaft, which bears from Cor. No. 6, S. 65° W. 47 ft., 6 x 4 ft., 6 ft. deep in rock.

Value, \$50.

No. 3. A cut, the face of which bears from Cor. No. 6, S. 68° 30' W., 85 ft.

5 ft. wide, 8 ft. face, running S. $8^{\circ} 30' W.$
25.5 ft. in rock.

Value, \$175.

No. 4. A cut, the face of which
bears from Cor. No. 6, N. $64^{\circ} W.$, 140 ft.
5 ft. wide, 6 ft. face, running N. $71^{\circ} W.$
14 ft. in earth and rock.

Value, \$75.

No. 5. A cut, the face of which
bears from Cor. No. 6, N. $50^{\circ} W.$, 172 ft.
5.5 ft. wide, 6 ft. face, running S. $31^{\circ} W.$
31 ft. in rock.

Value, \$200.

No. 6. A cut, the face of which
bears from Cor. No. 6, N. $36^{\circ} E.$, 60 ft.
7 ft. wide, 12 ft. face, running S. $11^{\circ} 30' W.$
13 ft. in rock.

Value, \$100.

No. 1. The discovery cut of the
Alta Copper lode, the face of
which is on the center line, 5 ft.
from center of line 2-3, 20 ft. wide,
12 ft. face, running N. $88^{\circ} 10' E.$, 22 ft.
in earth and rock.

Value, \$250.

No. 2. An excavation, the N. W. Cor.
of which bears 96 ft. left of a
point on the center line 365 ft.
from center of line 2-3, 7 ft. wide,
15 ft. deep, running East, 15 ft. in rock.

Value, \$300.

No. 3. A shaft, which bears 174 ft.
left of a point on the center line
415 ft. from center of line 2-3,
6 x 4 ft. 50 ft. deep in rock.

Value, \$500.

No. 4. A shaft, which bears 96 ft.
left of a point on the center line
1010 ft. from center of line 2-3,
6 x 4 ft., 125 ft. deep in rock.

Value, \$1250.

No. 5. A tunnel, the mouth of which bears 41 ft. left of a point on the center line, 1115 ft. from center of line 2-3, 6x5 ft. running N. 82° W. 9 ft. to breast, from mouth of tunnel a cut 6 ft. wide, 9 ft. face, running N. 82° W. 12 ft. in rock.
Value of tunnel and cut, \$150.

No. 1. The discovery shaft of the Broadtop lode, which is on the center line 210 ft. from the center of line 2-3, 4x4 ft., 6 ft. deep in rock.
Value, \$50.

No. 2. A trench, the N. E. Cor. of which bears from Cor. No. 3. N. 63° 45' W. 155 ft., 7 ft. wide, 4 ft. deep, running S. 22° W. 19 ft. in earth and rock.
Value, \$150.

No. 3. A cut, the face of which bears from Cor. No. 3. N. 76° W. 155.5 ft. 9 ft. wide, 4 ft. face, running N. 22° E. 16 ft. in earth and rock.
Value, \$100.

No. 4. A shaft, which bears from Cor. No. 3. N. 71° W. 255 ft., 5x6 ft., 23 ft. deep in rock, from bottom of which a cross cut 4x6 ft., running N. 4° E. 6 ft. in rock.
Value of shaft and cross-cut, \$290.

No. 5. A cut, the face of which bears from Cor. No. 2. S. 42° 15' W. 560 ft. 5 ft. wide, 10 ft. face, running north 25 ft. in earth and rock.
Value, \$150.

No. 6. A cut, the face of which bears from Cor. No. 2. S. 49° 10' W. 600 ft., 4 ft. wide, 5 ft. face, running N. 23° E. 13 ft. in earth and rock.
Value, \$50.

No. 7. A cut, the face of which bears from Cor. No. 4. N. 10° W. 215 ft.

4.5 ft. wide, 7 ft. face, running S. 35° E.
11 ft. in rock.

Value, \$100.

No. 1. The discovery shaft of the Escile lode, which is on the center line 420 ft. from the center of line 1-4, 6 x 3 ft., 9 ft. deep in rock.

Value, \$75.

No. 2. A cut, the face of which bears from Cor. No. 3, S. 72° 45' N. 252 ft., 9 ft. wide, 36 ft. face, running N. 79° E. 45 ft. in earth and rock, from face of cut, a tunnel 4 x 6.5 ft. running N. 79° E. 23 ft. in rock, at the end of which a winze is sunk, 4 x 6 ft. 80 ft. deep in rock, whence tunnel runs N. 60° E., 27 ft. to winze, 4 x 6 ft. 80 ft. deep in rock, and thence N. 60° E. 65 ft. to breast.

Value of cut, tunnel and winze, \$3,350.

No. 1. The discovery cut of the King lode, the face of which is on the center line 36 ft. from the center of line 3-4, 4 ft. wide, 4 ft. face, running S. 22° 20' E. 9 ft. in earth and rock.

Value, \$5.

No. 2. A cut, the face of which bears from Cor. No. 3, N. 40° 30' W., 398 ft. 6 ft. wide, 8 ft. face, running N. 64° E. 10 ft. in earth and rock, from face of cut, a tunnel, 4 x 6 ft., running N. 64° E. 28 ft. in rock.

Value of cut and tunnel, \$350.

No. 3. A cut, the face of which bears from Cor. No. 3, N. 39° W. 467 ft. 5 ft. wide, 12 ft. face, running N. 55° E., 26 ft. in earth and rock, from face of cut, a

tunnel 10x6 ft. running N. 70° E.
38 ft. in rock.

Value of cut and tunnel, \$640.

No. 4. A cut, the face of which bears from center of line 2-3, S. 8° 30' E. 120 ft., 4 ft. wide, 11 ft. face, running N. 73° E., 20 ft. in rock, from face of cut a tunnel 4x6 ft. runs N. 23° E. 10 ft. in rock.

Value of cut and tunnel, \$250.

No. 5. A cut, the face of which bears from the center of line 2-3, S. 64° 45' N. 58 ft., 4 ft. wide, 7 ft. face, running N. 18° E., 15 ft. in rock.

Value, \$125.

No. 6. A cut, the face of which bears from Cor. No. 1, S. 67° 30' E. 568 ft., 4 ft. wide, 10 ft. face, running N. 50° E. 12 ft. in rock, from face of cut a tunnel, 4x6 ft. runs N. 50° E. 35 ft. in rock to breast.

Value of cut and tunnel, \$450.

A tunnel, the mouth of which bears from the center of line 2-3, King lode, S. 23° 10' N. 150 ft. 4x7 ft., running N. 10° N. 73 ft. in rock to breast.

Value, \$720.

This tunnel is in course of construction for the development of Arcola and Blue Point lodes, of this survey. One third (\$240.) has been credited to the Arcola lode, and two thirds (\$480.) credited to the Blue Point lode.

This tunnel when completed will cut the veins of the Arcola, and Blue Point lodes at considerable depth, and the claim can thus be economically and advantageously developed

No. 1. The discovery cut of the Malachite lode, the face of which is on the center line 448 ft. from the center of line 3-4, 9 ft. wide, 8 ft. face, running N. 22° 20' W., 14 ft. in rock.

Value \$100.

No. 2. A cut, the face of which bears from Cor. No. 4, N. 11° W. 286 ft., 5 ft. wide, 9 ft. face, running N. 30° 45' W. 22 ft. in earth and rock, from face of cut, a tunnel 5x6 ft. running N. 30° 45' W. 62 ft. in rock.

Value of cut and tunnel, \$750.

No. 3. A trench, the N. E. Cor. of which bears from the center of line 1-2 and post I. M. M., S. 2° W. 132 ft., 4½ ft. wide, 4 ft. deep, running N. 55° E. 20 ft. in earth and rock.

Value, \$100.

No. 4. A cut, the face of which bears from the center of line 1-2 and post I. M. M., S. 8° W. 183 ft., 5 ft. wide, 8 ft. face, running S. 61° 30' E. 38 ft. in earth and rock.

Value, \$175.

No. 1. The discovery cut of the Bonnie Blue lode, the face of which bears from Cor. No. 3, N. 71° 15' W. 364 ft., 4 ft. wide, 8 ft. face, running S. 65° W. 27 ft., from face of cut a tunnel 4x6 ft. running S. 65° W. 13 ft. to shaft 4x6 ft., 25 ft. deep all in rock.

Value of cut, tunnel and shaft, \$630.

No. 1. The discovery shaft of the Amole lode, which is on the center line 516 ft. from the center of line 1-2, 7x5 ft., 12 ft. deep in rock.

Value, \$100.

No. 2. A cut, the face of which bears from Cor. No. 3. N. $46^{\circ}20'W$. 970 ft. 6 ft. wide, 7 ft. face, running S. $42^{\circ}30'N$. 25 ft. in rock.

Value, \$125.

No. 3. A shaft, which bears from Cor. No. 3. N. $43^{\circ}40'W$. 628 ft., 4×6 ft., 50 ft. deep in rock.

Value, \$500.

No. 1. The discovery shaft of the Cuprite lode, which is on the center line 495 ft. from the center of line 4-1, 4×6 ft. 40 ft. deep in rock.

Value, \$400.

No. 2. A cut, the face of which bears from a point on the center line 750 ft. from the center of line 4-1 and post S. C. C. S. $86^{\circ}15'E$. 188 ft., 6 ft. wide, 10 ft. face, running N. $29^{\circ}W$. 21 ft. in earth and rock, from face of cut a tunnel 4×6 ft. running N. $29^{\circ}W$. 60 ft. in rock.

Value of cut and tunnel, \$750.

No. 3. A shaft, which bears from a point on the center line 750 ft. from the center of line 4-1 and post S. C. C. N. $49^{\circ}30'E$. 260 ft., 6×4 ft., 15 ft. deep in rock.

Value, \$150.

No. 4. A shaft, which bears from a point on the center line 750 ft. from the center of line 4-1 and post S. C. C. N. $37^{\circ}15'W$, 240 ft. 4×6 ft. 18 ft. deep in rock.

Value, \$180.

No. 5. A cut, the face of which is on the center line, 4 ft. from the center of line 4-1, 6 ft. wide, 8 ft. face, running N. $79^{\circ}50'W$, 16 ft. in earth and rock.

Value, \$100.

No. 1. The discovery cut of the Arcola lode, the face of which is on the center line 335 ft. from the center of line 4-1 and post I. M. A., 4 ft. wide, 6 ft. face, running N. $1^{\circ}20'$ W. 6 ft. in earth and rock.

Value, \$50.

No. 2. An incline shaft, the mouth of which bears from a point on the center line 567.5 ft. from the center of line 4-1 and post I. M. A., N. $99^{\circ}30'$ E. 85 ft., 4 x 6 ft., 12 ft. deep in rock, course N. 20° E, dip 25°

Value, \$120.

No. 3. A cut, the face of which bears from a point on the center line 567.5 ft. from the center of line 4-1 and post I. M. A., N. 57° E. 80 ft., 6 ft. wide, 7 ft. face, running N. 60° E, 12 ft. deep in rock, at the end of cut, an incline shaft 4 x 6 ft., 6 ft. deep in rock, course N. 60° E, dip 25°

Value of cut and incline shaft, \$150.

No. 1. The discovery cut of the Blue Point lode, the face of which is on the center line 182 ft. from the center of line 4-1 and post I. M. B. P., 5 ft. wide, 6 ft. face, running N. $48^{\circ}30'$ E. 11 ft. in rock, at the end of cut an incline shaft, 4 x 5 ft., 7 ft. deep in rock, course N. $48^{\circ}30'$ E, dip 26°

Value of cut and incline shaft, \$150.

Instrument.

This survey was made with a Gurley Light Mountain Transit. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with a 100 ft. steel tape.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by George J. Roskrug
 United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines
 corners and boundaries described in the foregoing field notes of the survey of the mining claim
 of Charles W. Welch, Assignee of
Leonard Lewisohn, known as the Ward, Alta Copper, Broadtop, Exile,
~~known as the King-malachite, Bonnie Blue, Amole, Cuprite, Cicola & Blue Point Lodes,~~
 and showing the respective capacities in which they acted.

Will R. Winton , Chairman.
 _____, Chairman.
Carlos P. Lopez , Axman.
Jose R. Lopez , Flagman.

FINAL OATHS OF ASSISTANTS.

We, Will R. Winton - Carlos P. Lopez
 and Jose R. Lopez , do solemnly swear that we assisted George J.
Roskrug , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Charles W. Welch, Assignee of
Leonard Lewisohn, known as
the Ward - Alta Copper - Broadtop - Exile - King - malachite -
Bonnie Blue - Amole - Cuprite , ~~known as the~~ Cicola and
Blue Point Lodes _____, represented
 in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under
 his direction; and that said survey has been in all respects, to the best of our knowledge and
 belief, faithfully and correctly executed, and the corner and boundary monuments established
 according to law and the instructions furnished by the United States Surveyor-General for
Arizona _____.

Will R. Winton , Chairman.
 _____, Chairman.
Carlos P. Lopez , Axman .
Jose R. Lopez , Flagman.

Subscribed and sworn to by the above-named persons before me
 this 22nd day of August , 1898.

George J. Roskrug
Notary Public

my Commission expires Feb. 11, 1899.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, George J. Roskruege, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 19th, 1898, 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 Charles H. Welch assignee of Leonard Leibsohn, known as the Mad. Alta Copper, Broadtop, Ecile, King, Malachite, Bonnie, Blue, Ample, Cuprite, Arcola and Blue Point, Lodes situate in Helvetia Mining District, Pima County, Arizona, in Section , Township No. 15 N 16 E, Range No. 18 East - unsurveyed, and designated as Survey No. 1308, 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 his 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.

George J. Roskruege
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said George J. Roskruege
U. S. Deputy Mineral Surveyor, before me John B. Anderson a
Justice of the Peace in Pima Co Ariz. this 22nd
day of August, 1898.

John B. Anderson
Justice of the Peace

6-154



^{Fifty}
Affidavit of Five Hundred Dollars Improvements.

We William Shaw and Charles C. Holmes

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the Ward ^{at a} ^{Copper,} ^{Brooktop,} ^{Exile,} ^{King,} ^{malachite,} ^{Bornie blue,} ^{Amole,} ^{Cuprite,} ^{Arcolor} ^{and} ^{Blue Point} ^{Sode} mining claims situated in

Helvetia Mining district, Pima County,
Charles W. Welch, assignee of
Arizona Territory, for which Leonard Lewisohn, by Iness ^{is} hereford and
Hazzard his attys.

has made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and ^{Fifty} his grantors exceed [^] Five Hundred Dollars in value, and further that we are not personally interested in said mine.

William Shaw

Charles C. Holmes

TERRITORY OF ARIZONA,
County of Pima } ss.

SWORN to and subscribed before me, this

30 day of August 1898

John B. Anderson

a justice of the Peace in and for Pima County, Arizona.

Territory of Arizona,)
) ss.
 County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy *of the Location*
Certificate of the Ward Mining Claim

as appears of record now in my office in book *EE Record of Mines* pages *3*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
 County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. *Notice*

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, ha....this day located and claim..... hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz,..... *and 3000* feet in width on each side of the middle of said lead, lode or vein, situate in the..... Mining District, County of..... Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the..... end of the claim, and upon which this notice is posted; thence..... feet to a monnment of stones; thence..... *100* feet to a monument of stones; thence..... feet to a monument of stones. being the center of the..... end of claim; thence..... *100* feet to a monument of stones; thence..... *100* feet to a monument of stones; thence..... *North 30° E 300* feet to place of beginaing.

THIS CLAIM..... *is situated north of the*..... *Alps of the Mt. Mansfield*..... *and is bounded by the*..... *mountain range of the Alps of the*.....

and shall be known as the..... *Alps*..... Mine.

LOCATED..... *June 15th*..... 189.....

Filed for record..... *11-16-1894*..... *at the*..... *office of the*..... *Recorder of Deeds*..... *for the*..... *County of*..... *Arizona*.....

Territory of Arizona,)
) ss.
County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy *of the Location Certificate*
of the Alta Cooper Mining Claim

as appears of record now in my office in book *CC Record of Mines* pages *795*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal, at my office in Tucson, this *24th* day of *May*

A. D., 189 *8*

Chas. A. Shibell
County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. *Notice*

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claim *fifteen*...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz, *and 300*...feet in width on each side of the middle of said lead, lode or vein, situate in the *Helvetia*...Mining District, County of *Pima*...Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the *Westerly*... end of the claim, and upon which this notice is posted; thence *Southerly 300* feet to a monnment of stones; thence *Easterly 1500* feet to a monument of stones; thence *Northerly 300* feet to a monument of stones, being the center of the *Easterly*...end of claim; thence *Northerly 300* feet to a monument of stones; thence *Westerly 1500* feet to a monument of stones; thence *Southerly 300* feet to place of beginning.

THIS CLAIM... *is situated on the Eastern slope of the Santa Rita Mountains on the South side of the Alta Hill and about 500 yds North of the Narragansett Mine was formerly known as the Alta Mine*

and shall be known as the *Alta Copper*... Mine.

LOCATED *January 1st*... 189*3*

*W B M Cleary
Geo Stevens*

*Filed and recorded at request of W B M Cleary
January 6 A D 1893 at 9:50 A.M.*

*Chas. J. K...
C... M...*

Territory of Arizona,)
) ss.
 County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy of *the Location*

Certificate of the Broadtop Mining Claim

as appears of record now in my office in book *BB Record of Mines* pages *461*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell

County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claims *fifteen* hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz, *and 300* feet in width on each side of the middle of said lead, lode or vein, situate in the *Helvetic* Mining District, County of *Pima* Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the *Westerly* end of the claim, and upon which this notice is posted; thence *Southerly 300* feet to a monument of stones; thence *Easterly 1500* feet to a monument of stones; thence *Northerly 300* feet to a monument of stones, being the center of the *Easterly* end of claim; thence *Northerly 300* feet to a monument of stones; thence *Westerly 1500* feet to a monument of stones; thence *Southerly 300* feet to place of beginning.

THIS CLAIM *is on the Summit of the Santa Rita Mts. lays between the Alta and U.S. Mines on the top of Alta Hill.*

and shall be known as the *B road top* Mine.

LOCATED *January 1st* 1891...

W B M Cherry

Filed and recorded at request of W B M Cherry, January 10 1891 at 10:30 AM. Charles Shibley

Territory of Arizona,)
County of Pima.) ss.

I, **Chas. A. Shibell**, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy..... *of the location*
Certificate of the Exile Mining Claim

as appears of record now in my office in book *OH Records of Mines* pages *344*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

~~Notice of Location.~~ *Notice*

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claims...*Fifteen*...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz, ...*and three hundred*...feet in width on each side of the middle of said lead, lode or vein, situate in the...*Hecla*... Mining District, County of...*Pima*...Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the...*Northerly*... end of the claim, and upon which this notice is posted; thence...*Westerly 300*... feet to a monument of stones; thence...*1500*...feet to a monument of stones; thence...*Easterly 300*...feet to a monument of stones, being the center of the...*Southerly*...end of claim; thence...*Easterly 300*...feet to a monument of stones; thence...*Northerly 1500*...feet to a monument of stones; thence...*Westerly 300*...feet to place of beginning.

THIS CLAIM...*is situated on the westerly slope of the Santa Rita Mountains West of the Broadtop East of the Corona and North of the Eclipse Mines and on the West Slope of the Alta Mine*

and shall be known as the...*Exile*... Mine.

LOCATED...*February 6th*... 189...*3*...

W B M & Co

Filed same record at request of W B M & Co
April 3^d AD 1893 at 5 P.M.

Chas A Shiebell
County Clerk

Territory of Arizona,)
) ss.
County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy *of the Location*
Certificate of the King Mining Claim

as appears of record now in my office in book *F. F. Record of Mines* pages *39*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
County Recorder.

LOCATION NOTICE.

Notice is hereby given that the undersigned in compliance with the requirements of the law has this day located and claimed 1500 ft. along the course of this lead, lode or ledge of mineral bearing quartz, and 300 ft. on each side of said lead, lode or ledge. Located in Helvetia Mining Dist. County of Pima, Arizona, described as follows. Commencing at this monument of stone, being ~~the~~ center of south end of claim, thence East 300 ft, thence North 1500 feet, thence West 300 feet, being the center of the north end of claim, thence West 300 feet, thence South 1500, thence East 300 feet to place of beginning, all corners marked by monuments of stone. This claim is situated western slope of Santa Rita Mts. about 1/2 mile East of U. S. Mineral Monument No. 1, and shall be known as the King Mine.

Located May 6th, 1894.

W. B. McCleary

Jno . V. Weigle.

Filed and recorded at the request of W. B. McCleary, July 5th, a. d. 1894, at 9 a. m.

Chas. A. Shibell,
County Recorder.

Territory of Arizona, }
County of Pima. } ss.

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy *of the Location*
Certificate of the Malachite Mining Claim

as appears of record now in my office in book *D10 Records of Mines* pages *349*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal, at my office in Tucson, this *24th* day of *May*
A. D., 189 *8*

Chas. A. Shibell
County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, ha...this day located and claim...fifty...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz, ...and 300...feet in width on each side of the middle of said lead, lode or vein, situate in the...T6 district...Mining District, County of...Pima...Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the...North...end of the claim, and upon which this notice is posted; thence...West...300...feet to a monnment of stones; thence...North...150...feet to a monument of stones; thence...East...300...feet to a monument of stones, being the center of the...South...end of claim; thence...East...300...feet to a monument of stones; thence...North...150...feet to a monument of stones; thence...West...300...feet to place of beginaing.

THIS CLAIM...is situated on the summit...Eastern slope of the Santa Rita Mountains...on the Northern and Eastern slope of the Alta Hill, joins and lays the base of the Broad Top Mine

and shall be known as the...Malachite...Mine.

LOCATED...February 11th...189...

W B M...[Signature]

Filed and recorded at request of W B M... at 9 a.m. April 7th A.D. 1893

Charles Stubble

Territory of Arizona,)
) ss.
 County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy of the Location
 Certificate of the Bonnie Blue Mining Claim

as appears of record now in my office in book *EE Record of Mines* pages *60*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
 County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claim...*Fifteen*...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz,.....*and 300*.....feet in width on each side of the middle of said lead, lode or vein, situate in the...*Helvetic*.....Mining District, County of...*Pima*.....Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the...*Southerly* end of the claim, and upon which this notice is posted; thence...*Easterly 300* feet to a monument of stones; thence...*Northerly 150* feet to a monument of stones; thence...*Westerly 300* feet to a monument of stones, being the center of the...*Northerly*.....end of claim; thence...*Westerly 300* feet to a monument of stones; thence...*Southerly 150* feet to a monument of stones; thence...*Easterly 300* feet to place of beginning.

THIS CLAIM...*is situated on the summit and Western slope of the Santa Rita Mountain about 100 yards northerly of the Alto Hill*.....

and shall be known as the...*Bonnie Blue*.....Mine.

LOCATED...*March 20th*.....189*4*.

.....*W B M'Clary*.....

ed and recorded at request of *W B M'Clary*, May *11* A. D. *1894*, at *4.30* M. *Chas A Shibley*

Territory of Arizona,)
) ss.
County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy of the Location
Certificate of the Amole Mining Claim

as appears of record now in my office in book *EE Record of Mines* pages *83*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal, at my office in Tucson, this *27th* day of *May*

A. D., 189*8*

Chas. A. Shibell
County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claims *fifteen* hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz,..... *and 300* feet in width on each side of the middle of said lead, lode or vein, situate in the *Helvetia* Mining District, County of *Pima* Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the *Northerly* end of the claim, and upon which this notice is posted; thence *Westerly 300* feet to a monument of stones; thence *Southerly 1500* feet to a monument of stones; thence *Easterly 300* feet to a monument of stones being the center of the *Northerly* end of claim; thence *Easterly 300* feet to a monument of stones; thence *Northerly 1500* feet to a monument of stones; thence *Westerly 300* feet to place of beginning.

THIS CLAIM *is situated on the Eastern Slope of the Santa Rita Mountains about 1/2 mile Northerly of the Alta Hill*

and shall be known as the *Amole* Mine.

LOCATED *April 7th* 189*4*

W B McLean

Filed and recorded at request of Rosemont & McLean April 5th 1894.

*Chas. A. Shebell
County Recorder*

Territory of Arizona,)
County of Pima.) ss.

I, **Chas. A. Shibell**, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy of the Amended
Location Certificate of the Amole Mining Claim

as appears of record now in my office in book *FF Records of Mines* pages *739*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
County Recorder.

AMENDED NOTICE OF LOCATION.

NOTICE IS HEREBY GIVEN That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has located and claims fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead, lode or vein, situate in the Helvetia Mining District, County of Pima, Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the Northerly end of the claim, and upon which this notice is posted; thence Westerly 300 feet to a monument of stones; thence Southerly 1500 feet to a monument of stones; thence Easterly 300 feet to a monument of stones, being the center of the Southerly end of claim; thence Easterly 300 feet to a monument of stones; thence Northerly 1500 feet to a monument of stones; thence Westerly 300 feet to place of beginning.

This claim is situated on the Eastern slope of the Santa Rita Mountains about 1/2 mile Northerly of the Alta Hill, and is known and shall be known as the AMOLE Mine, being the same mining claim of which the original location notice, (made by W.B. McCleary) is recorded in the office of the Recorder of Pima County, Arizona, in Book EE, Records of Mines, at page 83.

This amended notice is made without waiver of any previous rights, for the purpose of correcting the description of said claim in said original Location Notice, (which was defective), of the said claim as originally located and marked upon the ground
Date of original location, April 7th, 1894.

Date of this amended Location Notice, May 13th, 1898.

Leonard Lewisohn

led and recorded at request of S.E. Hazzard May 16, 1898 at 4 P.M.

Chas. A. Ghibell

County Recorder.

Territory of Arizona,)
) ss.
 County of Pima.)

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy of the Location
Certificate of the Cuprite Mining Claim

as appears of record now in my office in book Record of Mines pages 35-2

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this 24th day of May

A. D., 1898.

Chas. A. Shibell
 County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, has...this day located and claims...fifteen...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz,.....and.....300.....feet in width on each side of the middle of said lead, lode or vein, situate in the...Helvetic.....Mining District, County of...Pima.....Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the...Northely.....end of the claim, and upon which this notice is posted; thence...Westely 300.....feet to a monnment of stoues; thence...Southely 1500.....feet to a monument of stones; thence...Eastely 300.....feet to a monument of stones being the center of the...Southely.....end of claim; thence...Eastely 300.....feet to a monument of stones; thence...Northely 1500.....feet to a monument of stones; thence...Westely 300.....feet to place of beginaing.

THIS CLAIM...is situated on the mountain...on the Eastern & Western slope of the...Santa Rita Mountain at the Head of...Jurnade Gulch...canyon and about...50 yds North of Oak Hill

and shall be known as the...Cuprite.....Mine.

LOCATED Feb'y 11th 1893

W B McHenry

Filed and recorded at request of W B McHenry
April 8th 1893, 19 a.m.

Chas Ashbill
County Recorder

Territory of Arizona, }
 County of Pima. } ss.

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy... *of the Location Certificate*
of the Arcola Mining Claim

as appears of record now in my office in book *EE Record of Mines* pages *15-2*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
 County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. Notice

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, ha...this day located and claim...*750*...hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz, *and 300*...feet in width on each side of the middle of said lead, lode or vein, situate in the *Helena*...Mining District, County of *Pima*...Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the *South*... end of the claim, and upon which this notice is posted; thence *East 300*... feet to a monnment of stones; thence *North 1500*...feet to a monument of stones; thence *West 300*...feet to a monument of stones, being the center of the *North*...end of claim; thence *West 300*...feet to a monument of stones; thence *South 1500*...feet to a monument of stones; thence *East 300*...feet to place of beginnaing.

THIS CLAIM...*is situated on the western slope of the Santa Rita Mountains about 4 miles north of the Alta Hill*...

and shall be known as the *Arcoleta*...Mine.

LOCATED...*July 1st*...189*4*...

W B M Cleary
J V Weigle

Filed and recorded at request of W B M Cleary
July 5th A.D. 1894 P.M......*John W. ...*
County Recorder

Territory of Arizona, }
 County of Pima. } ss.

I, Chas. A. Shibell, County Recorder in and for the County of Pima, do hereby

certify that the above and foregoing is a full, true and correct copy *of the Location*

Certificate of the Blue Point Mining Claim

as appears of record now in my office in book *E E Record of Mines* pages *151*

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official

seal, at my office in Tucson, this *24th* day of *May*

A. D., 189*8*

Chas. A. Shibell
 County Recorder.

Printed and for sale by the Citizen Printing & Publishing Co., Tucson.

Notice of Location. *Notice*

Notice is Hereby Given That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, ha.^s...this day located and claim.....*71* hundred linear feet along the course of this lead, lode or vein of mineral-bearing quartz,.....*and 300*.....feet in width on each side of the middle of said lead, lode or vein, situate in the.....*Hale*.....Mining District, County of.....*Pima*.....Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the.....*San Pedro*.....end of the claim, and upon which this notice is posted; thence.....*East 300*.....feet to a monnment of stoues; thence.....*North 1500*.....feet to a monument of stones; thence.....*West 300*.....feet to a monument of stones, being the center of the.....*West*.....end of claim; thence.....*West 300*.....feet to a monument of stones; thence.....*South 1500*.....feet to a monument of stones; thence.....*East 300*.....feet to place of beginning.

THIS CLAIM.....*is situated on the western slope of the San Pedro Mountains about 1/2 mile N. of the Alta Hill*.....

and shall be known as the.....*Blue Point*.....Mine.

LOCATED.....*July 17*.....189.....

.....*H. B. W. & Co.*
.....*J. V. Weigh*

Filed in the office of the County Recorder July 17 1894
.....*to be recorded*
.....*County Recorder*

(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,

Tucson, Arizona

October 7, 1898.

I, U. S. Surveyor General for Arizona,

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

assignee of Leonard Lewisohn

Varo, alta copper, Broadtop, Skile, King, Malachite, Bonnie Blue, Amoles, cuprites, arcolite, blueprint, Lodis, known as the

situate in Helvetia mining district,

Pima County, Arizona,

in Section , Township No. 18. S., Range No. 15 & 16 E. unsurveyed

designated as Survey No. 1308

executed by George J. Roskrige, U. S. Deputy Mineral

Surveyor, July 21st - Aug 8th, 1898, under my instructions dated

July 19th, 1898, have been critically examined and the

necessary corrections and explanations made, and the said Field Notes and Return, and

the Survey they describe, are hereby approved. A true copy of the copy of the location

certificate filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for Arizona

Large

map

Drawing