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LOT NO. 34.

Field Notes

of the survey of the

Copper Queen
Mining Claim

Situate in Mule Pass Mountains ~~mining district,~~

County of Pima and in Sec. 9, Tp. 238,

Range 24E, of the Gila and Salt River Meridian,

ARIZONA.

Claimed by W. H. Martin.

John Ballard.

S. B. Rodgers.

Survey executed by Theodore F. White D. S.,

Under instructions dated September 18, 1880

Survey commenced September 24, 1880

Survey completed September 25, 1880.

COPPER QUEEN MINING & SMELTING CO.

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Bisbee, A. T., 1880.

I do most solemnly swear that the monuments shown by me to Geo. F. White U.S. Deputy Surveyor as the corner monuments of the Copper Queen Mine are the true corners of said claim and were established by ^{me} to mark the corners of the Halero Mining Claim which was subsequently relocated under the name of the Copper Queen Mine. These monuments were shown by me to said Deputy Surveyor on the twenty-fifth day of September A. D. 1880.

Hugh S. Jones
 Subscribed and Sworn to Before me on the 25th
 day of September 1880 Alexander Blair
 Justice of the Peace

PRELIMINARY OATHS FOR SURVEYS OF MINING CLAIMS AND MILL SITES.

WE, Ben Williams and Jacob H Long

do solemnly swear that we will faithfully execute the duties of Chain Carriers, that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths, of all lines that we assist in measuring, to the best of our skill and ability.

Ben Williams
Jacob H Long

SWORN AND SUBSCRIBED before me this 25th
day of September 1880

Alexander Blair
Justice of the Peace

WE, Thos. Burns and W. H. Martin

do solemnly swear that I will well and truly perform the duties of Assessor
and Flagman respectively according to instructions given me, and to the best of my skill and ability.

Thos Burns
W H Martin

SWORN AND SUBSCRIBED before me this 25
day of September 1880

Alexander Blair
Justice of the Peace

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Survey of the Copper Queen Mine, situated in Mule Pass Mountains, Pima County, Arizona

Establishment of Mineral Monument

As there was no mineral monument established in the Mule Pass mountains to which to refer mining surveys, I proceed to establish such a monument before making the official survey of the Copper Queen Mine.

I selected, as being a marked and prominent natural object in the vicinity of the mines, a large mass of iron rock which is situated near the west end of the Rucker mining claim immediately north of the gulch along which the road from Bisbee to Charleston runs, and down in the bottom of which gulch said road runs at this point. The mass of iron rock is 75 feet long on its west base and about 23 feet wide on its north base. It is the first large mass of iron rock along the above mentioned gulch below the Copper Queen's Smelting works and below the village of Bisbee in the Mule Pass mountains, Pima county, Arizona. On the top of this mass of iron rock there is a rock 3 feet high by 3 feet wide by 2.8 feet thick forming the highest point of the mass. Upon the south face of this rock I cut in with a cold-chisel these marks "US MIN 1" for United States Mineral Monument Number 1. The cross is the trigonometrical point of reference. From this point the stack of the

furnace of the Copper Queen com-
pany's Smelting works brs. N. $68^{\circ}22'$
W. and is 12.01 chs. dist. From
this point also

An Oak tree, 14 in. dia. brs. N. $68^{\circ}30'$ W. 91 chs. dist.

do. " 16 " " " N. $33^{\circ}20'$ E. 83 " "

do. " 6 " " " S. $80^{\circ}30'$ E. 73 " "

All these trees are marked U. S. M.

No. 1. B. J.

The point stands 25 feet above the
N. base of the mass.

Survey of the Copper Queen Mine.

After identifying all the corners
as established in the location
of the claim, I proceed to the
initial point of location which
is on the center of the west end,
and find the line of the west
end to bear S. E. and N. W. $1^{\circ}19'$
var. $13^{\circ}24'$ East

As per Burt's Solar Compass.

Running to the S. W. cor. of the
claim I establish this as the
initial corner of the survey.

In place of the stone mound placed
to mark the S. W. cor. in the loca-
tion of the claim, I set a post 4
ft. long, 4 in. sq'd., in the ground
and build around it a mound
of stones $2\frac{1}{2}$ ft. high, and mark
the post C. 2. M. C. S. W. Cor.

From this cor.,

A Pinon tree, 8 in. dia. brs. S. $74^{\circ}25'$ E. 135 chs. dist.

do 12 " " " S. $52^{\circ}20'$ E. 144 " "

Both marked C. 2. M. C. S. W. Cor. B. J.

From this S. W. Cor. I run along the
S. side of the claim
N. $80^{\circ}03'$ E.

Chains

Var. $13^{\circ} 74'$ East.

- 1.25 Descend into gulch br. N.E., and
thence ascend steep N.W. slope
and over high ridge, and at
22.02 or 1454.3 ft., reach the S.E. cor.
of the claim on a N.E. slope.
From this S.E. cor. the center cor. on
E. end and the N.E. cor. bear
 $N. 31^{\circ} 32' W.$, differing from the W.
end line which br. $N. W. \& S. E. 1^{\circ} 19'$.

The law requires the end lines to
be parallel. To get this parallelism
I am confined within the limits
of the claim as located. There are
other mining claims immediately
adjoining the Copper Queen Mine.

To draw a line from the N.E. cor.
parallel with the W. end line would
cut off a valuable piece of ground
from the Copper Queen Claim which
is already short of a full lo-
cation of 1500 ft. The center
monument on the E. end is an
important monument being well
identified and referred by course
and distance to a well marked
and prominent natural object,
being the same that I have made
a mineral monument for the district.

Through this center monument
therefor I run a line parallel
with the W. end line and find
its intersection with the S. side
line. At this intersection I set a
post 4 ft. long, 4 in. sq. in the
ground, and build around it a
mound of rocks $2\frac{1}{2}$ ft. high, for
the S.E. cor. of the claim. I mark
the post C. 2. M. C. S. E. Cor. From which
An Oak tree, 16 in. dia. br. $S. 34^{\circ} W. 57$ lvs. dist.
do. " 6 " " " $N. 79^{\circ} E. 20\frac{1}{2}$ " "
Both marked C. 2. M. C. S. E. Cor. B. T.

Chs. This cor. is S. 80° 03' W. 128 lvs. dist.,
 from the mound of stones established
 in the location of the claim to
 mark the S. E. cor. of the claim.
 The S. side line is therefore N. E. + S. W.
 80° 03', and 20. 7/8 chs. or 1369 feet
 in length.

From this S. E. cor. I run
 N. 1° 19' W.

var. 13° 24' East.

3.19 Or 210.5 ft. - descending N. E. slope -
 to the center monument on the E.
 end of the claim. In the place of
 the mound of stones I set a post
 4 ft. long, 4 in. sq'd. in the ground
 and build around it a mound
 of stones 2 1/2 ft. high, and mark
 post C. 2. M. C. E. end. From which
 An Oak tree, 20 in. dia. 60. S. 74 3/4° E. 14 1/2 lvs. dist

do. 4 " " S. 13° 10' E. 98 1/2 " "

Both marked C. 2. M. C. E. end. P. T.

I cannot continue N. 1° 19' W.
 on E. end of claim as it would run
 outside the original boundaries
 of the claim as marked on the
 ground and interfere with other
 interests.

So from this center monument on
 the E. end of the claim I run
 to the mound of stones established
 in the location of the claim to
 mark the N. E. cor., it being within
 the limits allowed by laws, -
 N. 31° 32' W.

var. 13° 24' East.

Cross gulch and road immediately
 to N. of center monument, and
 ascend to little flat.

3.68 Or 242.9 ft. to the mound of stones
 marking the N. E. cor. of the claim.
 In place of this mound of stones

No. I set a post 4 ft. long, 4 in. sq'd. in the ground and build around it a mound of stones 2 1/2 ft. high, and mark post C. 2. M. C. N. E. Cor. from which
 An Oak tree, 5 in. dia. br. S. 75 1/4° E. 23 lns. dist.
 do. 10 " " " N. 60 7/8° E. 116 " "
 Both marked C. 2. M. C. N. E. Cor. B.T.

From this N. E. Cor. I run along the N. side line of claim
 S. 84° 12' W.

var. 13° 74' East.

- 1.40 Road in gulch br. N. W. and S. E., The Gulch runs S. E., 40 lns. wide. Ascend along N. slope.
- 4.00 Smelting works about 350 lns. N.
- 4.55 Ore chute conveying ore to smelter.
- 8.00 Pass along base of waste dump.
- 12.50 Racky gulch 20 lns. wide, br. N.
- 18.66 Or 1231.6 ft., to the mound of stones marking the N. W. cor. of claim. In place thereof I set a post 4 ft. long, 4 in. sq'd. and build mound of stones 2 1/2 ft. high, and mark post C. 2. M. C. N. W. Cor. from which
 An Oak tree, 4 in. dia. br. N. 52 1/2° E. 27 lns. dist.
 do. 3 " " " N. 82° W. 12 " "
 Both marked C. 2. M. C. N. W. Cor. B.T.

From this N. W. Cor. I run along the W. end of claim
 S. 1° 19' E.

var. 13° 74' East.

Ascend steeply.

- 4.40 To the mound of stones marking center of W. end of claim
 Along E. slope.
- 9.00 Or 594 ft., to the S. W. cor. of claim the place of beginning.
 The claim contains an area of 15.51 Acres.

From the centre monument on the
E. end of the claim, the U.S. Mineral
Monument established by one brs.

N $79^{\circ}40'$ E. and is 286 lks. distant. 158.75 ✓

From the N.E. corner of the claim the
U. S. Mineral Monument brs. S $61^{\circ}02'$
E. 542 lks. dist. 259.72 ✓

Surveyed Sept. 24-25, 1880

General Description:

This claim is situated
on north and northeast slopes in
the Mule Pass Mountains, Pima County
Arizona. The surface of the claim
is quite precipitate, rocky and cov-
ered mostly with brush, - oak, pin-
on etc. The ledge or mineral depos-
it carries a fine smelting copper ore,
mostly blue and green carbonates,
with considerable oxide of iron.

The smelting works erected just
north of the claim are in successful
operation and turn out a large
amount of copper bullion daily.
The work done on the claim amounts
to many times five hundred dollars,
and consists of a large open cut or
working into the side of the hill on the
ore deposit; the back vertical face of
this open working is about fifty feet
high, the width on the floor of the
same is 100 feet and the depth meas-
ured horizontally on the floor of the
open working from the front where
the open working commences to the
back face of the same is 100 ft.; it
making a sort of spherical wedge shaped
mass of ore and waste of large dimensions
that has been excavated, mostly by
blasting. The ore after it has been

reduced to small pieces suitable to put into the furnace, on the floor of the open working, is dumped into a chute which starts from the dump and carries the ore to the furnace level.

Theodore F. White
U.S. Deputy Surveyor.

FINAL OATHS FOR SURVEYS OF MINING CLAIMS AND MILL-SITES.

A LIST of the names of individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing field-notes of the survey of The Copper Queen Mining Claim located in _____ Mining District, Pima County, Arizona, showing the respective capacities in which they acted.

Ben Williams Chainman.

Jacob H. Long Chainman.

Thos. B. Burns Axeman.

W. H. Martin Flagman.

WE hereby certify that we assisted Theodore F. White U. S. Deputy Surveyor, in surveying The Copper Queen Mining Claim claimed by W. H. Martin, John Ballard and S. B. Rogers, located in _____ Mining District, Pima County, and in Township No. _____ Range No. _____ of the Gila and Salt River base and meridian, Arizona, and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Ben Williams Chainman.

Jacob H. Long Chainman.

Thos. B. Burns Axeman.

W. H. Martin Flagman.

SWORN TO AND SUBSCRIBED before me this 25th day of September 1880.

Alexander Palmer
Justice of the Peace

I, Theodore F. White U. S. Deputy Surveyor do solemnly swear that, in pursuance of instructions from John Wasson, U. S. Surveyor-General for Arizona, bearing date the 18th day of September 1880, I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General and the laws of the United States, surveyed all those portions of The Copper Queen Mining Claim claimed by W. H. Martin, John Ballard and S. B. Rogers, located in _____ Mining District, Pima County, and in Township No. _____ Range No. _____ of the Gila and Salt River base and meridian, Arizona, as are represented in the foregoing field-notes as having been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the instructions furnished me, and that the foregoing are the true and original field-notes of such surveys.

Theodore F. White Deputy Surveyor.

SWORN TO AND SUBSCRIBED before me this 28th day of September 1880.

John R. Faull
Notary Public



AFFIDAVIT OF FIVE HUNDRED DOLLARS IMPROVEMENTS.

We, Ben Williams and Lewis Williams
of lawful age, being first duly sworn according to law, depose and say that we are acquainted with
the Copper Queen
_____ mining claim, situate in _____
_____ Mining District, Pima County, Arizona
Territory, for which W. N. Martin & Co. and S. B. Rogers
have 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
applicants and their grantors exceed Five Hundred Dollars in value, and further that we are
not personally interested in said mine.

Ben Williams
Lewis Williams

TERRITORY OF ARIZONA, }
County of Pima } SS.

SWORN AND SUBSCRIBED before me this 25th
day of September, 1880.

Alexander Blair
Justice of the Peace

made. The undersigned locators obtained title to the location of Eddleman and Herring by purchase, and they do not acknowledge hereby any abandonment of said location, but make this relocation simply to more fully comply with the mining laws of the United States. The undersigned locators claim under this relocation in the following proportions, to wit; W. H. Martin seven twentieths ($\frac{7}{20}$) of claim; John Ballard seven twentieths ($\frac{7}{20}$) of claim; and Mrs. S. B. Rogers six twentieths ($\frac{6}{20}$) of claim. — This claim shall still be known as the Copper Queen Mine. This relocation made this 24th day of Sept. A. D. 1880.

Witness

Thos. F. White

W. H. Martin

John Ballard

Mrs. S. B. Rogers

Locators

Primer

RECORDERS OFFICE

TUCSON, PIMA CO. A. T.

Copper Queen
Mile, Mts
Sept 24, 1880

Filed and recorded

at request of

J. F. White

Sept 24 A. D. 1880

at 1.50. P. M. in

Book 0 Rec Minus

Pages 496-7-8

Recorder

County Recorder

By W. S. Read
deputy

U. S. Surveyor General's Office.
Tucson, A. T., Oct. 21, 1880.

The foregoing field-notes
of the survey of the Copper
Queen Mining Claim, situated
in Mule Pass Mountains,
Pima County, Arizona, claimed
by W. H. Martin, John Ballard
and S. R. Rodgers; survey executed
by Theo. F. White, D. S., under
instructions from this office,
having been critically examined
and the necessary corrections and
alterations made, the said
field-notes and the survey
they describe are hereby ap-
proved.

John Basson,
Surveyor General