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(4-683.)

Mineral Survey No. 1009

Lot No. 67.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Yuma Copper & Silver Mining Company
KNOWN AS THE
"West End"

Harawa Mining District,
Maricopa County, Arizona.

Section _____, Township 9N, Range 10W

Surveyed under instructions dated April 24th, 1891,
by Frank Nicholson,
U. S. Deputy Mineral Surveyor.

Claim located April 14th, 1891
Survey commenced April 29th, 1891.
Survey completed May 25th, 1891.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, Frank Obermiller and B. Matthews,
do solemnly swear that we will well and faithfully execute the duties of chain carriers;
that we will level the chain upon even and uneven ground and plumb the tally-pins,
either by sticking or dropping the same; that we will report the true distance to all
notable objects, and the true length of all lines that we assist in measuring, to the best
of our skill and ability, and in accordance with instructions given us, in the survey of
the Mining Claim of The Yuma Copper and Silver
Mining Company, known as the
"West End"

situate in Maricopa mining district,
Maricopa County, Arizona
in Section _____, Township No. _____, Range No. _____.

Frank Obermiller, Chainman.
B. Matthews, Chainman.

Subscribed and sworn to by the above-named persons before
me this 27th day of April, 1891.

Frank Nicholson
Notary Public

I, Frank Strauer, 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 The Yuma Copper and Silver
Mining Company
known as the "West End",
more fully described in the preceding affidavit.

Frank Strauer, Axeman.

Subscribed and sworn to by the said Frank
Strauer before me this 27th day of
April, 1891.

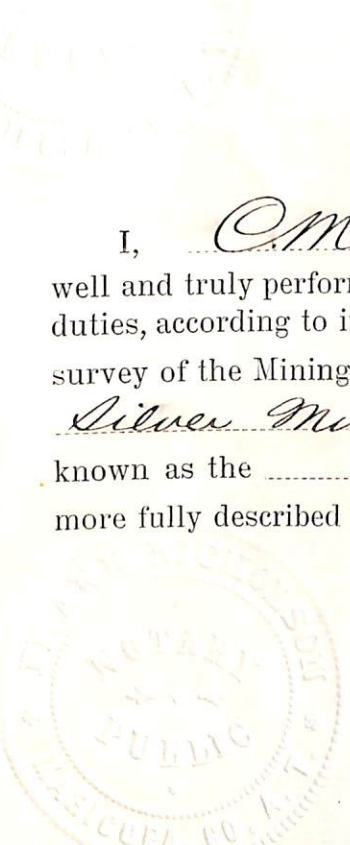
Frank Nicholson
Notary Public.

I, O. M. Smith, 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 The Yuma Copper and
Silver Mining Company
known as the "West End",
more fully described in the preceding affidavit.

O. M. Smith, Flagman.

Subscribed and sworn to by the said O. M. Smith
before me this 27th day of
April, 1891.

Frank Nicholson



FEET

Field Notes

of the survey of the
West End Mining Claim
 in the Harcuwar Mining District, Maricopa County,
 Arizona.

Claimed by the Yuma Copper and Silver
 Mining Company.

Surveyed by Frank Nicholson,
 U. S. Deputy Mineral Surveyor, under
 instructions from the Surveyor Gen-
 eral, of date, April 24th. 1891.

Survey commenced, April 29th. 1891.

Survey completed, May 25th. 1891.

Description of Survey.

Beginning at the Initial mon-
 ument mentioned in Location
 notice and marking the North-
 erly end of claim, where I
 found a post marked S. C.

No. 4. I marked post, W.
 E. S. M. No. 1.

Thence S. $88^{\circ} 23' E$.

Var. $13^{\circ} 3' E$.

300 To post marked S. C. No. 3,
 which post I marked W. E. No. 2.

Thence S. $42^{\circ} 57' W$.

Var. $13^{\circ} 3' E$.

320 To centre of ravine, bet. N. W. and
 S. E.

1460 To ravine, bet. N. and S.

1500 To loc. mon. where I set
 a post, 4 ft. long and 4 ins. x
 4 ins. in section, $1\frac{1}{2}$ ft. in ground
 and surrounded same with a
 mound of stones. Post mark-
 ed W. E. No. 3.

Thence N. $88^{\circ} 23' W$.

Var. $13^{\circ} 3' E$.

300 To loc. mon. for Southernly end
 centre of claim, where I set
 a post, 4 ft. long and 4 ins. x
 4 ins. in section, $1\frac{1}{2}$ ft. in ground

FEET

and surrounded same with a mound of stones. Post marked N.E. No. 4.

Thence N. 88° 23' W. (Same course).
Var. 13° 3' E.

265 In ravine, brs. N.E. and S.W.

300 In loc. mon. where I set a post, 4 ft. long and 4 ins. x 4 ins. in section, 1 1/2 ft. in ground and surrounded same with a mound of stones. Post marked W.E. No. 5.

Thence N. 42° 57' E.
Var. 13° 3' E.

1500 In mon. and post marked L.C. No. 5, being the S.W. cor. of the Last Chance Mining Claim, which post I marked W.E. No. 6.

U.S. Mineral Mon. No. 2 brs. N. 80° 27' E. 1949 ft.

Thence S. 88° 23' E.
Var. 13° 3' E.

255 In centre of mountain reservoir.

300 In mon. and post marked W.E. S.M. No. 1 place of beginning.

Area.

Total Area of Claim 15.51 acres.

No conflict

Net area Claimed 15.51 "

Location.

This claim is located on unsurveyed land in the Harcuwar Mountains, 39 1/2 miles W. of Vulture; 12 1/2 miles N. of Cullen's Wells and 3 miles N.W. of the P.O. of Harcuwar.

Improvements.

made upon this claim by claimant consist of disc. shaft 4 1/2 ft. x 7 ft. and 10 ft. deep,

S. $42^{\circ} 57'$ W. 580 ft. from Post
W. E. S. M. No. 1.

Mountain reservoir, N. $88^{\circ} 23'$ W.
45 ft. from Post W. E. S. M. No. 1.

The reservoir is 50 ft. x 30 ft.
10 ft. deep, made of Stone and
Portland Cement: it lies part-
ly on this claim and partly
on Last Chance claim and
was built to develop these
two claims. It is used to give
a head of water to the pipe
line constructed by applicant
to convey water to smelting
works located on Ford du Lac
claim.

And I hereby certify that the
value of said improvements
exceeds the sum of five hun-
dred dollars.

No improvements have been
made by other parties on this
claim.

Instruments used, an improv-
ed Blattner and Adam mountain
transit and metallic tape.

Var. found by observation of
the polar star when on merid-
ian: also by azimuth of North
star.

Frank Nicholson,
U.S. Deputy Mineral Surveyor.
Barcewar, Ariz.

May 30th., 1891.

Affidavit of Five Hundred Dollars Improvements.

We, Jos. L. Ohermüller and John Harvey

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the
'West End' mining claim, situated in

Maricopa Mining District, Maricopa County,

Arizona Territory, for which Hellumma Copper and Silver Mi-
ning Company

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 its grantor exceed Five Hundred Dollars in value, and further that we are not
personally interested in said mine.

Jos. L. Ohermüller

John Harvey

TERRITORY OF ARIZONA,
County of Maricopa } ss.

SWORN to and subscribed before me, this 15th day

of May 1899

Frank Nicholson

Notary Public.



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank Nicholson
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 Yuma Copper and Silver Mining Company
known as the "West End"
and showing the respective capacities in which they acted.

Frank Obermüller, Chairman.

B. Matthews, Chairman.

Frank Strauer, Axman.

O. M. Smith, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Frank Obermüller, B. Matthews, Frank Strauer
and O. M. Smith, do solemnly swear that we assisted Frank
Nicholson, United States Deputy Mineral Surveyor, in marking the corners and
surveying the boundaries of the mining claim of The Yuma Copper and
Silver Mining Company
known as the "West End"
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.

Frank Obermüller, Chairman.

B. Matthews, Chairman.

Frank Strauer, Axman.

O. M. Smith, Flagman.

Subscribed and sworn to by the above-named persons before me
this 25th day of May, 18 91.

Frank Nicholson
Notary Public.



(4-686.)

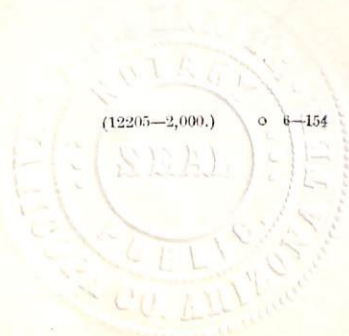
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, Frank Nicholson, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 24, 1891, 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 The Yuma Copper and Silver Mining Company, known as the "West End" situate in Maricopa Mining District, Maricopa County, Arizona in Section Township No. Range No. and designated as Survey No. 1009 Lot No 67, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Frank Nicholson
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Frank Nicholson,
U. S. Deputy Mineral Surveyor, before me E. J. Bennett
Notary Public this 25th
day of May, 1891.

E. J. Bennett
Notary Public



Notice of Location.

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NOTICE IS HEREBY GIVEN That the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872, has this day located and claim 1,500 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 Haverwar Mining District, County of Yuma Arizona, and more particularly described as follows, to-wit: COMMENCING at this monument of stones, being the center of the Easterly end of this claim, and upon which this notice is posted; thence North 300 feet to a monument of stones; thence West 1,500 feet to a monument of stones; thence South 600 feet to a monument of stones, being the center of the ~~end of claim~~; thence East 1,500 feet to a monument of stones; thence North 300 feet to a monument of stones; thence feet to the place of beginning.

THIS CLAIM is the West extension of the Last Chance mine and is about 3 3/4 miles West of the Metacornet Mine belonging to the Yuma C & S Mng Co.

and shall be known as the West End mine Mine.

Located April 14th 1891

the Yuma Copper & Silver Mng Co
locators

J. H. Leibold

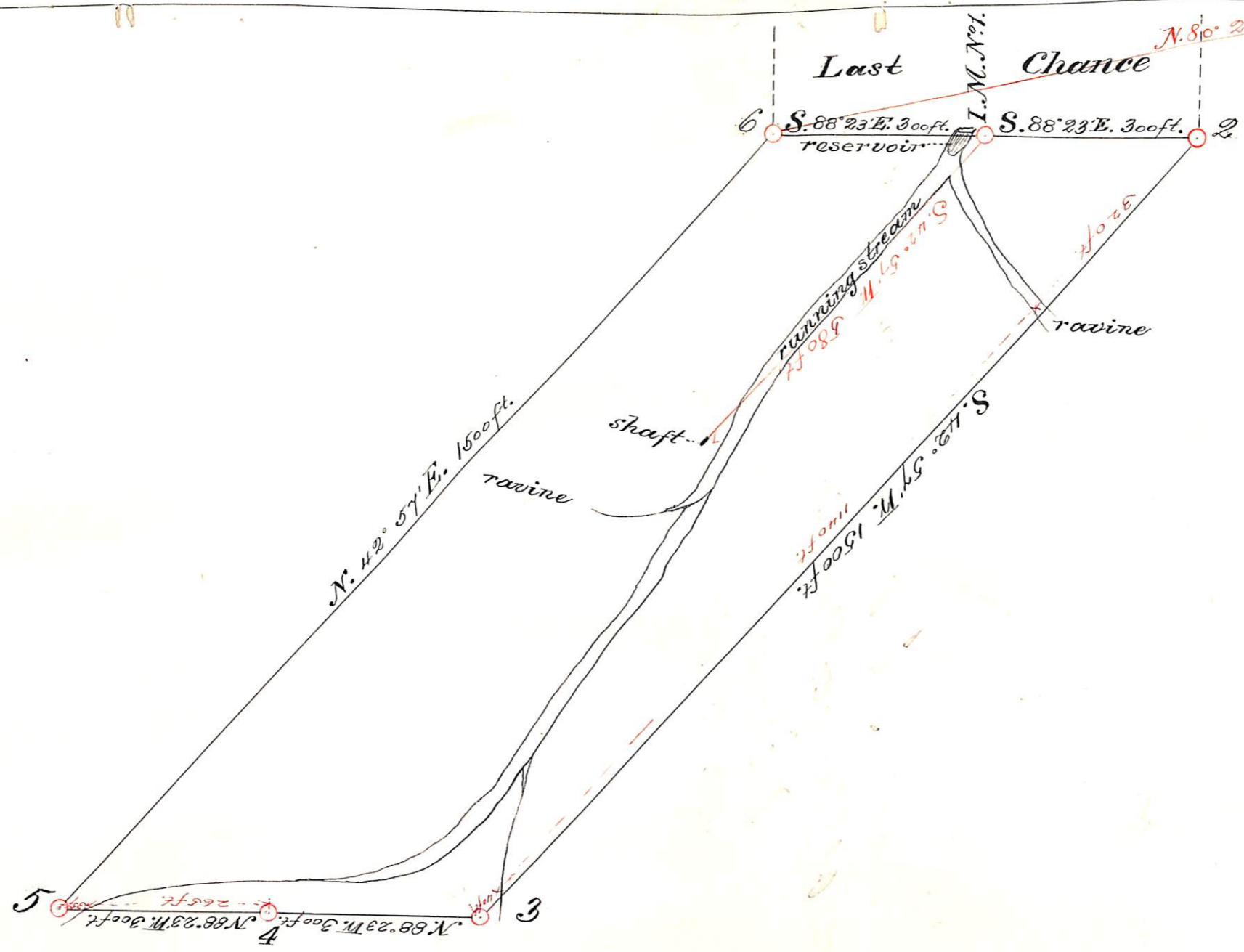
witness

Territory of Arizona
 County of Yuma

I hereby certify that the within
 instrument, was recorded at the request of
 Frank Nicholson April 16th 1891 at 3 O'clock
 P. M. in Book F of Minis at page 920
 Records of Yuma County

Witness my hand and official
 seal the day and year aforesaid
 J. L. Redoubt
 County Recorder

Last Chance



PLAT
of the survey of the
WEST END
Mining Claim
in the Harcuvar Mining Dis-
trict, Maricopa County, Ar-
izona.

Claimed by The Yuma Copper
and Silver Mining Compa-
ny.

Surveyed by
Frank Nicholson,
U.S. Deputy Mineral Survey-
or, under instructions from
the Surveyor General, of date,
April 24th., 1891.

Scale 1 in. = 200 ft.
Variation 13° 3' E.

(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
December 30th, 1891

I, U. S. Surveyor General for Arizona Territory,
do hereby certify that the foregoing and hereto attached Field Notes and Return of the
Survey of the Mining Claim of The Yuma Copper
and Silver Mining Company
"West End", known as the
situate in Harawa mining district,
Maricopa County, Arizona,
in Section _____, Township No. _____, Range No. _____

and _____, designated as Survey No. 1009 Lot No 67,
executed by Frank Nicholson, U. S. Deputy Mineral
Surveyor, April 29th to May 25th, 1891, under my instructions dated
April 24th, 1891, 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. _____

U. S. Surveyor General for

Arizona

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UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 1009
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The West End lode, Mineral Survey No. 1009, located in sections 28 and 33, Township 9 North, Range 10 West, Gila and Salt River Meridian, Arizona, is hereby canceled.

This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"West End lode, M.S. 1009, was canceled May 20, 2002, by memo 9605 (956) M.S. 1009, which is now a part of the original field notes."

May 20, 2002
Date



Chief Cadastral Surveyor of Arizona