

MS

00989



(4-683.)

Mineral Survey No. 989.

Lot No. 47.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Yuma Copper & Silver Mining Company.

KNOWN AS THE  
"Crystal"  
Harshaw Mining District,  
Maricopa County, Arizona

Section \_\_\_\_\_ Township 8 N, Range 9 W

Surveyed under instructions dated April 10<sup>th</sup>, 1891.  
by Frank Nicholson  
U. S. Deputy Mineral Surveyor.

Claim located February 22<sup>nd</sup>, 1889.  
Survey commenced April 25<sup>th</sup>, 1891.  
Survey completed May 15<sup>th</sup>, 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 & Silver  
Mining Company, known as the  
"Crystal"  
situate in Narcuwar 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 22nd 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 & Silver  
Mining Company  
known as the "Crystal",  
more fully described in the preceding affidavit.

Frank Strauer, Axeman.

Subscribed and sworn to by the said Frank  
Strauer before me this 22nd day of  
April, 1891.

Frank Nicholson  
Notary Public.

I, Arturo Carrillo, 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 "Crystal",  
more fully described in the preceding affidavit.

Arturo Carrillo, Flagman.

Subscribed and sworn to by the said Arturo Carrillo  
before me this 22nd day of  
April, 1891.

Frank Nicholson  
Notary Public.





Feet

Field Notes

of the survey of the  
Crystal 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 General, of date, April 10-1891.

Survey Commenced, April, 25th., 1891.

Survey Completed, May, 15th. 1891.

Description of Survey.

Beginning at the initial mon.  
 mentioned in location notice,  
 where I set a post 4 ft. long  
 and 4 ins. x 4 ins. in section,  
 1 1/2 ft. in ground and surround-  
 ed same with a mound of  
 stones. Post marked C. D. M. No. 1.

This post marks the Southerly  
 End Centre of Claim.

U.S. Min. Mon. No. 1, Bns. S.  $76^{\circ} 3' E$ . 1331 ft.

Thence S.  $72^{\circ} 57' W$ .

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

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 mark-  
 ed C. No. 2.

Thence N.  $17^{\circ} 3' W$ .

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

1500

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 surround same  
 with a mound of stones.

Post marked C. No. 3.

Thence N.  $72^{\circ} 57' E$ .

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



Feet

300 In loc. mon. for Northerly end centre of claim where I set a post 4 ft. long & 4 ins. x 4 ins. in section, 1 1/2 ft. in ground and surrounded same with a mound of stones. Post marked C. No. 4.

Thence N.  $72^{\circ} 57' E.$  (same course)  
Var.  $13^{\circ} 3' E.$

300 In mon. and post marked on one side A. No. 3; on another side O. No. 3; which post I marked C. No. 5. This post marks the S. W. Cor. of the Auconda Claim & the N. W. Cor. of the Oconto Claim.

Thence S.  $17^{\circ} 3' E.$   
Var.  $13^{\circ} 3' E.$

1500 In mon. and post marked O. No. 2, which post I marked C. No. 6. This post marks the S. W. cor. of the Oconto Claim.

Thence S.  $72^{\circ} 57' W.$   
Var.  $13^{\circ} 3' E.$

300 In mon. and post marked C. J. M. No. 1, place of beginning.

The Crystal Claim has a side-line in common with the Oconto claim.

#### Area.

Total area of Claim 20.66 acres.  
No conflicts.

Area Claimed 20.66 "

#### Location.

This claim is located on unsurveyed land on the S. E. slope of the Harcuwar Mountains, 37 miles west of Vulture, 10 miles N. of Queen's Wells



and 10 miles N. of the Black Tank Mountains.

Improvements

made on this claim by claimant, consists of disc. shaft 4 ft. x 8 ft. and 10 ft. deep, N.  $17^{\circ} 3'$  W. 790 ft. from post C. J. M. No. 1.

Besides the work above mentioned, claimant has erected a 50-ton Copper smelting plant with office, Engineer's Cottage and Boarding house, costing in the aggregate, \$25,000<sup>00</sup>, and has constructed a 3-inch, standard, wrought iron pipe line,  $7\frac{1}{2}$  miles long, to convey the water from Hualapai Mountains to said smelting works, at a cost of \$32,000<sup>00</sup>.

These works were built for the purpose of treating the ore from this and 32 other claims belonging to claimant.

And I hereby certify that the value of improvements upon this claim exceeds the sum of five hundred dollars.

There have been no improvements made by other parties on this claim.

Instruments used, an improved Batten and Adam mountain transit and metallic tape.

Var. found by observation of the polar star when on meridian: also by azimuth of North star.

Frank Nicholson,  
U.S. Deputy Mineral Surveyor.

Hualapai, Ariz.

May 15th., 1891.



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**Affidavit of Five Hundred Dollars Improvements.**

We, Jos. L. Obermüller and John Harvey  
of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the  
"Crystal" mining claim, situated in  
Narcewan Mining District, Maricopa County,  
Arizona Territory, for which The Yuma Copper and  
Silver Mining 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. Obermüller  
John Harvey

TERRITORY OF ARIZONA, }  
County of Maricopa } ss.

SWORN to and subscribed before me, this 15th day  
of May 1891.

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 The Yuma Copper and Silver Mining Co.  
 known as the "Crystal"  
 and showing the respective capacities in which they acted.

- Frank Obermüller, Chairman.
- B. Matthews, Chairman.
- Frank Strauer, Assman.
- Arturo Carrillo, Flagman.

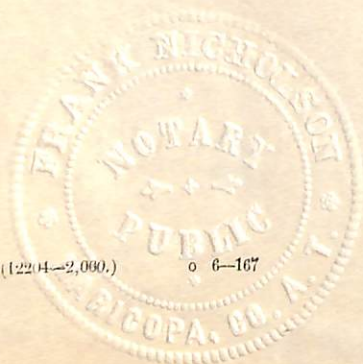
## FINAL OATHS OF ASSISTANTS.

We, Frank Obermüller, B. Matthews, Frank Strauer  
 and Arturo Carrillo, 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 "Crystal"  
 , 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, Assman.
- Arturo Carrillo, Flagman.

Subscribed and sworn to by the above-named persons before me  
 this 15th day of May, 1891.

Frank Nicholson  
 Notary Public.





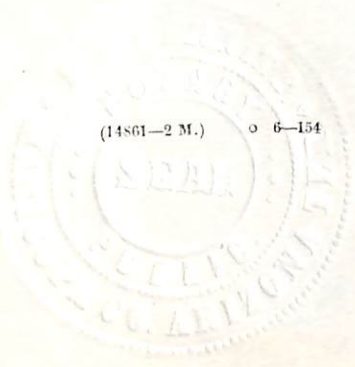
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

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 10, 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 "Crystal", situate in Maricopa Mining District, Maricopa County, Arizona, in Section           , Township No.           , Range No.           , and designated as Survey No. 989. Lot No 47, 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 15th  
day of May, 1891.

E. J. Bennett  
Notary Public





OK

Notice of Location  
 Of the Crystal Mining Claim.  
 On the Quartz Ledge Containing  
 Copper and Silver And  
 located as a Copper Quartz Mine.

The undersigned, claim for  
 Mining purposes, Fifteen  
 Hundred (1500) Feet of this  
 Quartz Ledge, in length along  
 the ledge or vein, and Three  
 Hundred (300) Feet on each  
 side of the middle of the vein  
 at the surface, together with  
 all dips, spurs and angles,  
 and all valuable mineral  
 deposits contained therein,  
 and all timber growing within  
 the limits of said Claim, and  
 all water and water privileges  
 thereon or appurtenant thereto,  
 under and according to  
 the provisions of An Act of  
 Congress, approved May 10<sup>th</sup> 1872,  
 entitled "An Act to Promote  
 the Development of the Mining  
 Resources of the United States",  
 and all Acts amendatory  
 thereto, and the laws of the  
 Territory of Arizona.

This Claim commences  
 at this notice, which is posted  
 in a Monument of Stone in



1 a conspicuous place on the  
2 ledge at the South East end  
3 boundary of the Claim, and  
4 running thence Three Hun-  
5 dred (300) Feet in a South-  
6 erly direction to a Monu-  
7 ment of Stone and a Stake  
8 marked South East corner;  
9 thence Fifteen Hundred (1500)  
10 Feet in a Westernly direction  
11 to a Monument of Stone  
12 and a Stake marked South  
13 West corner, thence Three  
14 Hundred (300) Feet in a  
15 Northernly direction to a  
16 Monument of Stone and a  
17 Stake marked South West  
18 Center Monument North West  
19 boundary; thence Three  
20 Hundred (300) Feet in a  
21 Northernly direction to a  
22 Monument of Stone and a  
23 Stake marked North West  
24 corner; thence Fifteen Hundred  
25 (1500) Feet in an Easternly  
26 direction to a Monument  
27 of Stone and a Stake marked  
28 North East corner; thence  
29 Three Hundred (300) Feet in  
30 a Southernly direction to  
31 the place of Beginning.  
32 This Claim may be more  
33



Generally described as situated in the  
 Harcuver Mountains, Yuma County  
 Arizona T. about 7 miles North of  
 Cullens Wells about one hundred yards  
 North of Urah Mine.

This Claim was formerly known as  
 the Badger.

And shall be known as the Crystal  
 Claim, and the.

Dated on the ground, this 22<sup>nd</sup> day  
 of February A.D. 1886.

Signed

George Hamilton

John Sherman

Witnesses

Territory of Arizona }  
 County of Yuma } P.

J. L. Redondo County  
 Recorder in and for said County and  
 Territory do hereby Certify that the within  
 is a true and correct Copy of the  
 Crystal Mine, as the same appears  
 of record in the Records of my office  
 in Book "E" of Mines at pages  
 117-118 + 119

Witness my hand official  
 Seal this 13<sup>th</sup> day of March  
 A.D. 1891.

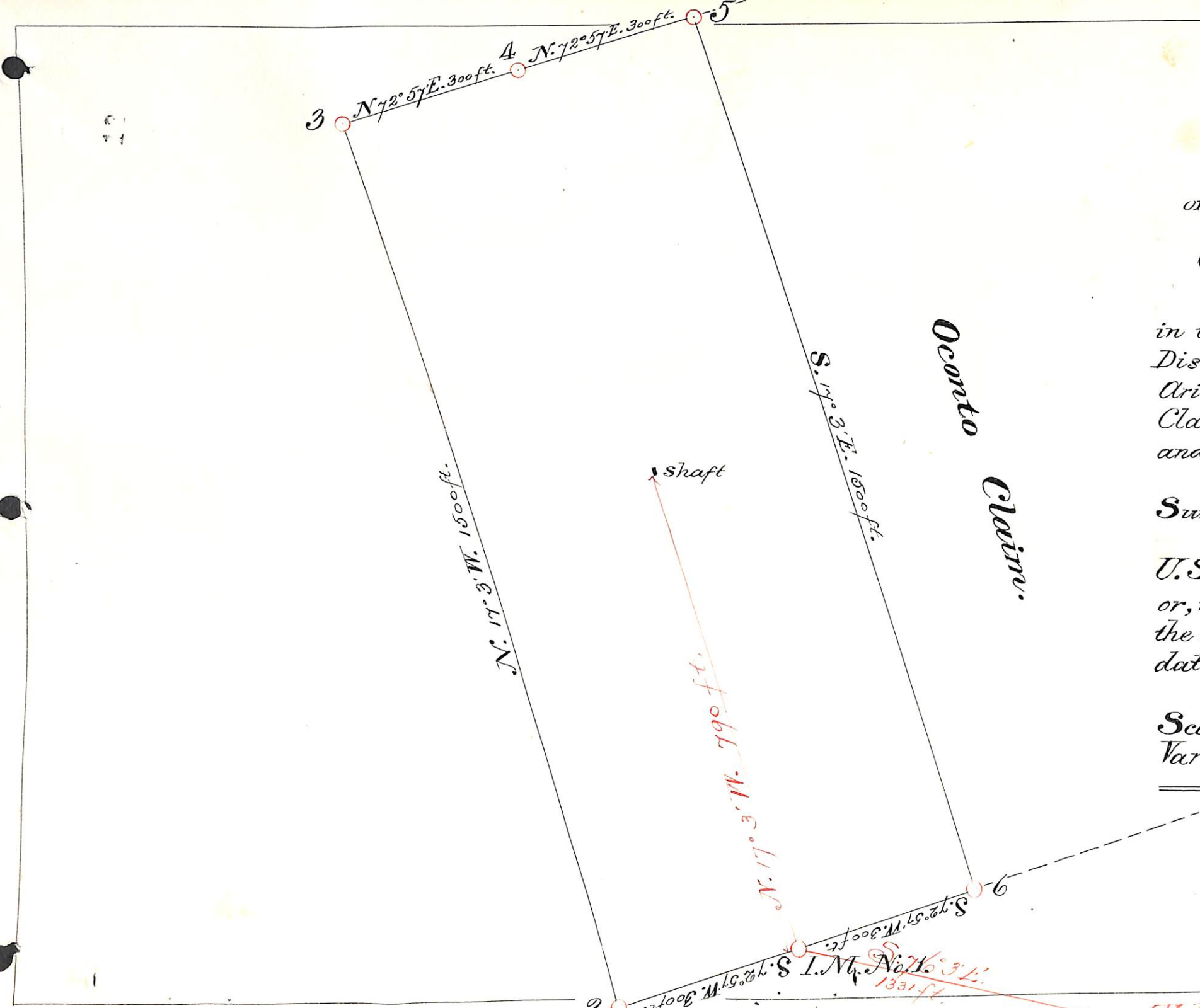
J. L. Redondo  
 County Recorder



PLAT  
of the survey of the  
**CRYSTAL**  
Mining Claim  
in the Harcuvar Mining  
District, Maricopa County,  
Arizona.  
Claimed by The Yuma Copper  
and Silver Mining Company.

Surveyed by  
Frank Nicholson,  
U.S. Deputy Mineral Survey-  
or, under instructions from  
the Surveyor General, of  
date, April 10th., 1891.

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



Ocorito  
Claim

T. W. S. Min. Mon. No. 1.



(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,

Mesaon. Arizona

December 30<sup>th</sup>, 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

"Crystal", known as the

situate in Harshaw mining district,

Maricopa County, Arizona,

in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. \_\_\_\_\_

and \_\_\_\_\_, designated as Survey No. 989. Lot No 47

executed by Frank Nicholson, U. S. Deputy Mineral

Surveyor, April 25<sup>th</sup> to May 15<sup>th</sup>, 1891, under my instructions dated

April 10<sup>th</sup>, 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.

Robert Johnson

U. S. Surveyor General for Arizona.

o 6-102



UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)  
BUREAU OF LAND MANAGEMENT M.S. 989  
ARIZONA STATE OFFICE

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NOTICE OF CANCELLATION OF MINERAL SURVEY

The Crystal lode, Mineral Survey No. 989, located in section 10, Township 8 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:

"Crystal lode, M.S. 989, was canceled April 22, 2002, by memo 9605 (956) M.S. 989, which is now a part of the original field notes."

April 22, 2002  
Date

  
\_\_\_\_\_  
Chief Cadastral Surveyor of Arizona