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Mineral Survey No. 950.

Lot No. 47.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF
H. H. Ferguson.

and John Duke.

KNOWN AS THE
"Copper Chief"

Verde Mining District,

Yavapai County, Arizona

Section _____, Township 15 N, Range 3 E

Surveyed under instructions dated December 15, 1890

by Francis B. Jacobs.

U. S. Deputy Mineral Surveyor

Claim located October 18th, 1883

Survey commenced March 21st, 1891

Survey completed March 23rd, 1891.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, G. S. Ferguson and Timothy Fell,
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 W. H. Ferguson and
John Duke "Lepper Chief", known as the
situate in "Vande" mining district,
Yavapai County, Arizona Territory
in Section _____, Township No. _____, Range No. _____

Witness
Al. Oliver

G. S. Ferguson _____, Chainman.
Timothy ^{his} Fell _____, Chainman.

Subscribed and sworn to by the above-named persons before
me this 19th day of March, 1891.

E. W. Funch
Probate Judge

I, Timothy Fell, 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 W. H. Ferguson and
John Duke "Lepper Chief",
known as the _____,
more fully described in the preceding affidavit.

Witness
Al. Oliver

Timothy ^{his} Fell _____, Axeman.

Subscribed and sworn to by the said Timothy Fell
before me this 19th day of
March, 1891.

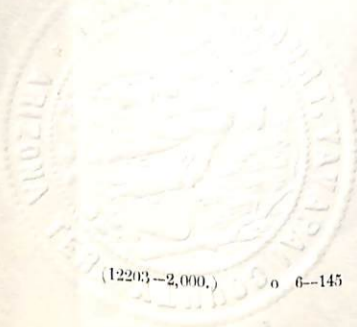
E. W. Funch
Probate Judge

I, G. S. Ferguson, 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 W. H. Ferguson and
John Duke "Lepper Chief",
known as the _____,
more fully described in the preceding affidavit.

G. S. Ferguson _____, Flagman.

Subscribed and sworn to by the said G. S. Ferguson
before me this 19th day of
March, 1891.

E. W. Funch
Probate Judge



Feet

FIELD NOTES

of the survey of the
C O P P E R C H E I F M I N I N G C L A I M,
in the Verde Mining District, Yavapai County
A R I Z O N A.

Claimed by W. H. Ferguson and John Duke,

Surveyed by Francis B. Jacobs, U.S. Dept. Min. Surveyor

Under instructions from the Surveyor General
of date December 15th. 1890.

Survey commenced-----March 21st. 1891.

Survey completed-----March 23rd. 1891.

Description of Survey.

Beginning at the initial mon. mentioned in the
location notice, and marking the southerly end center
of the claim where I set walnut post 3 ins. dia. 4
ft. long 1 1/2 ft. in the ground, surrounded same with mon.
of stone. Post marked C C No. 1. No bearings available

Thence S. 89° 10' E.
Variation 14° 50' E.

156.

To the original location mon. marking the S.E. cor.
of the claim, being a stone mon. built around a wal-
nut tree 8 ins. dia. which I blaze and mark C. C.
No. 2.

Thence N. 9° 10' E.
Variation 14° 50' E.

32. To the center of Silver Spring Gulch. *Course east.*

357. I intersect the southerly end line of the "I-K" claim.
south 64° 15' E. 123 ft. from stone marked "I. K." No. 3

770. I intersect the southerly side line of the "E" claim
south 87° 00' W. 78 1/2 ft. from stone marked E No 3.

788. I intersect the westerly side line of the "I-K"
claim north 25° 45' E. 413.3 ft. from stone marked "I-K"
No. 3.

Iron King
"Equator"
"Iron King"

Fect.

1305. To the original location mon. marking the N.E.cor. of the claim where I set Juniper post 3½ ins. dia. 4 ft. long 1½ ft. in the ground and surrounded same with mon. of stone. Post marked G.C.No.3. From which a juniper tree 10 ins. dia. marked B.T. C.C.No.3 brs south 31° 30' W. 83 ft.

Thence N. 89° 10' W.
Variation 14° 50' E.

200. To the north end center of the claim, where I set a juniper post 4 ins. dia. 4 ft. long 1½ ft. in the ground and surrounded same with mon. of stone. Post marked C.C.No.4.

Thence N. 89° 10' W. (same course,)
Variation 14° 50' E.

300. To a point where I set a pine post 3½ ins. dia. 4 ft. long 1½ ft. in the ground and surrounded same with mon. of stone for the N.W.cor. of the claim. Post marked C.C.No.5. Original location cor. brs. N. 3° 00' E. 16 ft. U.S.Min. Mon. No. 2 brs. N. 60° 20' W. 451 ft.

Thence S. 7° 15' W.
Variation 14° 50' E.

565. I intersect the southerly side line of the "E" claim N. 87° 00' E. 229 ft. from stone marked E. No.4.

"Equator"

830. To the center of Silver Spring Gulch, course East.

1229.3 To the location cor. marking the S.W.cor. of the claim where I set a walnut post 4 ins. dia. 4 ft. long 1½ ft. in the ground and surrounded same with mon. of stone. Post marked C.C.No.6.No ^{available} bearings.

Thence S. 89° 10' E.
Variation 14° 50' E.

300. To post marked C.C.No. 1 and place of beginning.

Area.

Total area of the claim-----14.77 acres.

Area in conflict with the "Iron King" claim,
~~unsurveyed~~-----58 acres.

Area in conflict with the "Equator"
 claim, ²⁶⁷²surveyed-----6.20¹⁴ acres.

All conflicts are claimed by the C.C. claim.

Location.

This claim is located on unsurveyed land, in the
 Black Hills range, $4\frac{1}{2}$ miles south of Jerome

Improvements.

made upon this claim by claimants and grantors consist of a shaft 6x8 22 ft. deep, ^{S 75° 20' W 315 ft.} incline cut 8x31
 12 ft. deep, ^{S 39° 30' W 340 ft.} incline cut 7x25 18 ft. deep brs. S38°
 45' W 545 ft. Incline cut 8x60 10 ft. deep brs. S35°
 20' W 570 ft. Incline cut 6x28 6 ft. deep brs. S26° 15'
 460 ft. All from cor. "C.C" No. 3.

And I hereby certify that the value of said improvements exceeds the sum of five hundred dollars.

There is a shaft 4x6 100 or more feet deep (it having caved in so that I could not measure it correctly) S35° 20' W 380 ft. from post "C.C" No 3, made by the claimants of the "Equator" claim. This is all the improvements made by other parties upon this claim.

Instrument used, a Gurley Mountain Transit, with Burt's solar attachment, and a one hundred foot steel chain.

Variation and course taken by use of the solar apparatus .

Francis B. Jacobs
 U.S. Deputy Mineral Surveyor.

Flagstaff, Arizona.
 April 4th. 1891.

Affidavit of Five Hundred Dollars Improvements.

We, G. S. Ferguson and Timothy Fell

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the

"Copper Relief" mining claim, situated in

Verde Mining District, Yavapai County,

Arizona Territory, for which H. H. Ferguson and John Duke

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.

G. S. Ferguson
Timothy ^{his} x Fell
make

TERRITORY OF ARIZONA,
County of Yavapai } ss.

SWORN to and subscribed before me, this 26th day
of March 1891.

Ell French
Probate Judge



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Francis B Jacobs
 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 H. H. Ferguson and John Duke
 known as the "Copper Chief"
 and showing the respective capacities in which they acted.

G. D. Ferguson , Chainman.
Timothy ^{Geo} Fell , Chainman.
Timothy ^{Mark} Fell , Axman.
G. D. Ferguson , Flagman.

FINAL OATHS OF ASSISTANTS.

We, G. D. Ferguson and
Timothy Fell , do solemnly swear that we assisted Francis B
Jacobs , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of H. H. Ferguson and
John Duke , known as the

"Copper Chief" , 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

G. D. Ferguson , Chainman.
Timothy ^{Geo} Fell , Chainman.
Timothy ^{Mark} Fell , Axman .
G. D. Ferguson , Flagman.

Subscribed and sworn to by the above-named persons before me
 this 26th day of March , 1891.

E. W. French
 Probate Judge



(4-686.)

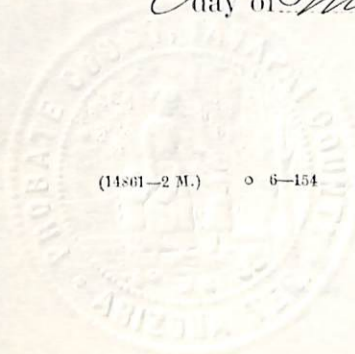
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, Francis B Jacobs, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 15th, 1890, 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 W. H. Ferguson and John Duke, known as the "Copper Chief", situate in Yavapai County, Arizona Mining District, Township No. _____, Range No. _____, and designated as Survey No. 950, 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 their 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.

Francis B Jacobs
 U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Francis B Jacobs,
 U. S. Deputy Mineral Surveyor, before me E. W. French Private
Judge this 26th
 day of March, 1891.

E. W. French
Private Judge



9
H. d.
H. G.

COPPER CHIEF.

NOTICE OF LOCATION

KNOW ALL MEN BY THESE PRESENTS.

That I the undersigned, have this day Located Fifteen Hundred (1500) linear feet of this vein or lode bearing precious metals. with all dips spurs angles and variations with surface ground Three Hundred (300) feet on each side of the center of vein, with all 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 the Mining Laws of the United States, under which it is Located.

This claim commences at this monument and Notice placed upon the ledge, and runs Fifteen Hundred (1500) feet in a Northerly direction along the ledge.

The Exterior boundaries are as follows viz:

Commencing at this monument and notice, and running Three ~~Hundred~~ Hundred (300) feet in an easterly direction to monument at S.E. corner of claim; thence in a northerly direction parallel with the ledge Fifteen Hundred (1500) feet to monument at N.E. corner of claim; thence in a westerly direction ~~parallel with the~~ at right angles, across the ledge Six Hundred (600) feet to monument at N.W. corner of claim, (in a southerly direction) thence parallel with the lode, Fifteen Hundred (1500) feet to to monument at S.W. corner of claim, thence at right angles across the ledge in an easterly direction Three Hundred (300) feet to monument upon the ledge and place of beginning.

This ledge may be more generally described as situated about eight hundred feet Easterly from Silver Spring and crosses the wanyon about 800 feet below said silver Spring

and is east of the old ~~Well~~ mine and west of the Oak mine and runs parellel with said Oak mine, in Verde mining Dristri~~ct~~, Yavapai County, Arizona, territory. and shall be Known as the copper Chief mining claim.

Dated on the ground, this 18th day of October, 1883.

W.H.Ferguson

Re corded at the request of W.H.Ferguson December 15th A.D. 1883. at 30 minutes past 10. A.M. in Book 18 of mining Records, of yavapai County. Arizona. pages 427-428.

H.H.Carter Recorder.

TERRITORY OF ARIZONA, }
County of Yavapai. } ss.

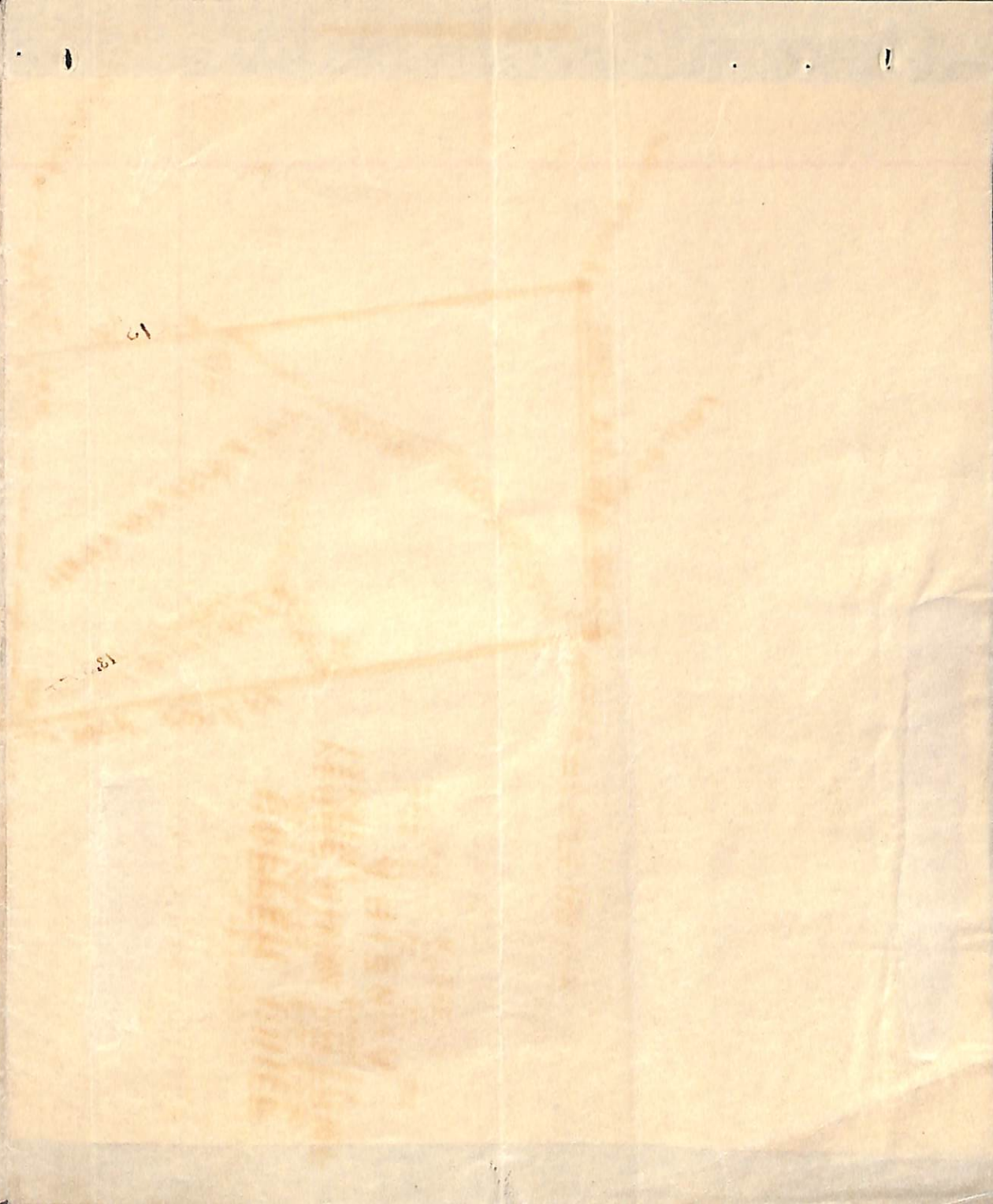
I, CHARLES H. AKERS, County Recorder in and for said County and Territory, and Custodian of the Records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of *the Copper Chief Mining Claim* as is shown by the records of this office and is of record in Book 18 of Mines at page #27.

Records of Yavapai County, Arizona.

In Witness Whereof, I have hereunto set my hand and affixed my official seal this *15th* Day of *December* A. D. 18*90*
Charles H. Akers

County Recorder.

Copper Chief



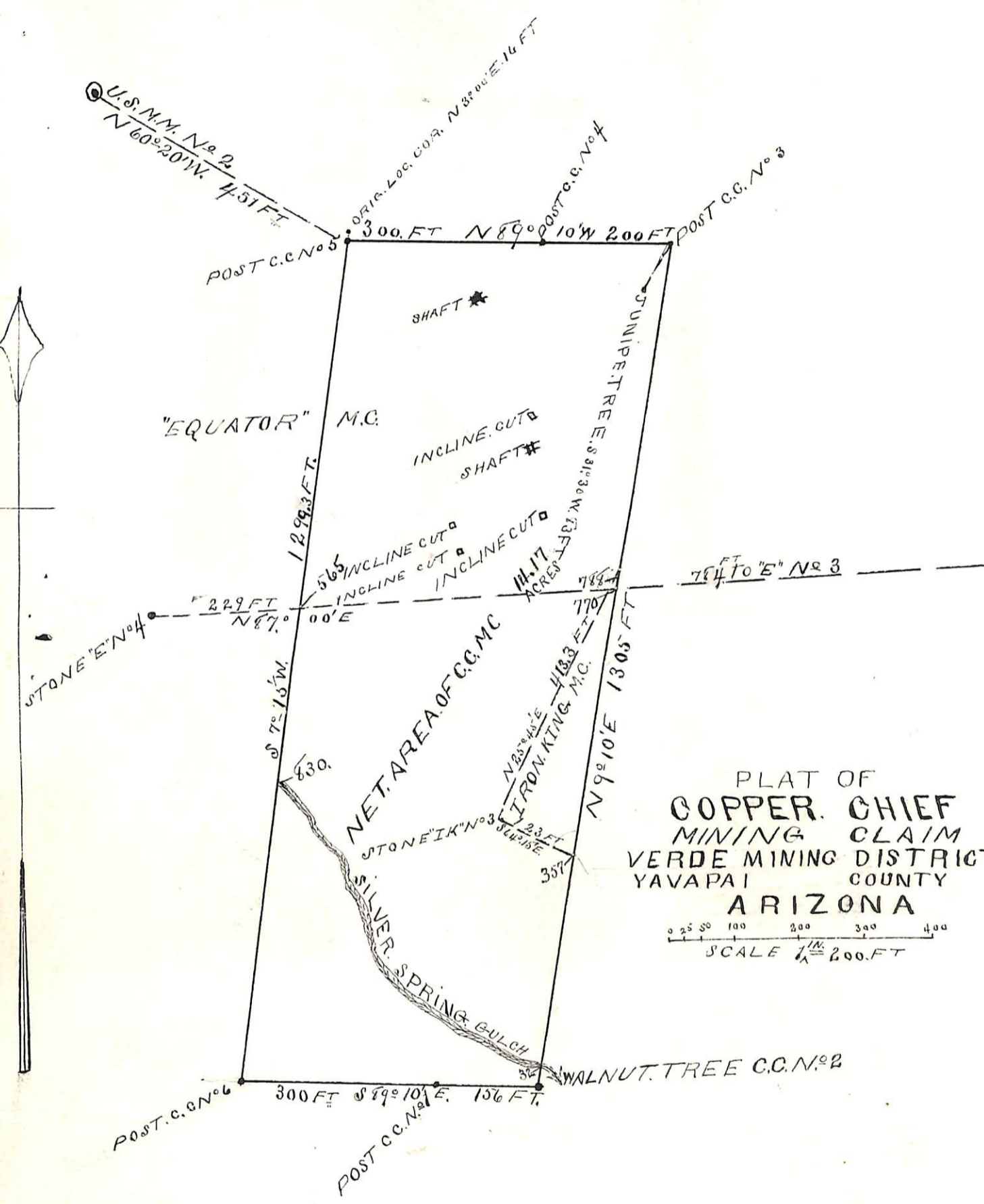
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OF
ART AND
ARCHAEOLOGY
OF THE
METROPOLITAN MUSEUM OF ART
NEW YORK

TERRITORY OF ARIZONA, }
County of Yavapai. } ss.

I, CHARLES H. AKERS, County Recorder in and for said County and Territory, and Custodian of the Records thereof, do hereby certify that I have compared the above and foregoing with, and the same is a full, true and correct copy of the *Copper Chief Mining Claim* as is shown by the records of this office and is of record in Book 18 of Mines of page #27.

Records of Yavapai County, Arizona.

In Witness Whereof, I have hereunto set my hand and affixed my official seal this *5th* Day of *December* A. D. 18*90*
Charles H. Akers
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

April 29th, 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

W. H. Ferguson

and John Duke

, known as the

"Copper Chief"

situate in

Verde

mining district,

Yavapai

County,

Arizona

in Section

, Township No.

, Range No.

and, designated as Survey No. 950.

executed by

Francis B. Jacobs

, U. S. Deputy Mineral

Surveyor,

March 21-23-

1891, under my instructions dated

December 15-, 1890,

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.

Alfred Johnson
U. S. Surveyor General for Arizona.