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(4-683.)

Mineral Survey No. 965

Lot No. 68.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Commercial Mining Company.
KNOWN AS THE
"Cascade"

Massayampa Mining District,
Yavapai County, Arizona

Section _____, Township 12 N, Range 2 W

Surveyed under instructions dated April 23rd, 1891.

by W. B. Foster
U. S. Deputy Mineral Surveyor

Claim located April 2nd, 1886

Survey commenced May 23rd, 1891.

Survey completed May 23rd, 1891.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, S. A. Smith and C. C. McDonald,
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 Commercial Mining
Company, known as the
Cascade
situate in Harshawampa mining district,
Yavapai County, Arizona
in Section _____, Township No. _____, Range No. _____.

C. B. Foster

S. A. Smith, Chairman.
C. C. McDonald, Chairman.

Subscribed and sworn to by the above-named persons before
me this 23rd day of May, 1891.

C. B. Foster
Notary Public

I, C. A. Barnes, 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
Commercial Mining Company
known as the Cascade,
more fully described in the preceding affidavit.

C. B. Foster

C. A. Barnes, Axeman.

Subscribed and sworn to by the said C. A. Barnes
before me this 23rd day of
May, 1891.

C. B. Foster
Notary Public

I, W. C. Hanson, 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
Commercial Mining Company
known as the Cascade,
more fully described in the preceding affidavit.

C. B. Foster

W. C. Hanson, Flagman.

Subscribed and sworn to by the said W. C.
Hanson before me this 23rd day of
May, 1891.

C. B. Foster
Notary Public

Field Notes
 of the survey of the
 Cascade Mining Claim
 Situate in
 Hassayampa Mining District
 Yavapai County Arizona
 Claimed by the
 Commercial Mining Company
 Surveyed by C. B. Foster U.S.
 Deputy Mineral Surveyor under
 instructions from the U.S. Surveyor
 General of date April 23rd 1891

Survey commenced May 23 1891
 " Completed May 23 1891

Feet

Description of Survey.
 Beginning at the Initial Mon.
 Mentioned in location notice
 and marking the center of
 claim where I mark $\text{TM} \text{C} \text{N} \text{O} \text{1}$
 on the face of W. end of
 quartzite Crappings 4 ft
 high by 6 ft. wide by 20 ft. long.
 On the flat top of Crapping
 above marks I build Mound
 of Stones
 U.S. Min. Mon. No 1 bro $\text{N} 82^\circ$
 $10' \text{E}$ 3334 feet.

- Thence $\text{S} 41^\circ \text{E}$
 Va 140 2' East
- 32 To Middle Hassayampa
Creek flows W.S.W.
 - 95 To Road to quartz mill bro
NE and W.S.W
 - 300 To loc. mon. where I set a
granite stone $26 \times 14 \times 12$ ins

Foot

1 ft. in ground and surrounded
Same with mound of stones.
Stone is marked C No 2

Thence N 49° E

Va 14° 2' East

- 110 To Road bns N and S.W.
- 750 To loc. mon. where I mark C
No 3 on granite rock project-
ing above surface 2 ft high by
2 x 1 1/2 ft. and on surface of
said rock W. of marks
build mound of stones

Thence N 41° W

Va 14° 2' East

- 95 To road bns N E and S.W.
- 190 To Middle Harsay ampa Creek
flows S.W.
- 205 To Road bns N E and S.W.
- 300 To loc mon marking N end
center of claim where
I mark + and over + C. No 4.
on S. face of granite ledge
projecting above surface
5 ft high by 6 ft. long by 3 ft
wide and E. of marks build
mound of stones.
An Oak 10 ins dia bns East 26 ft
tree is blazed and marked C. No 4. B.T.

Thence N 41° W (Same course)

Va 14° 2' East

- 300 To loc mon. where I set a
granite rock 24 x 24 x 18 ins
1 ft. in ground and surrounded
Same with mound of stones
Stone is marked C. No. 5.
An Oak 12 ins dia bns S. 20° E 12 ft.
" " 8 " " " N. 40° W 24 ft.
both trees blazed and marked
C. No. 5. B.T.

Feet

Thence S 49° W

Va 14° 2' East

- 810 To road b'w E and W.S.W.
- 1260 To " to Mill b'w N.E and S.W
- 1500 To loc. mon. where I set a granite stone 20x16x10 ins 1 ft in ground and surrounded same with mound of stones Stone is marked C. No. 6.

Thence S 41° E

Va 14° 2' East

- 50 To middle Hasdayampa Creek flows S.W.
- 110 Enter engine room to Mill ^{10. Stamp quartz}
- 160 Leave engine room main Mill building b'w S.W from this point
- 210 N.E. corner Mill building.
- 260 Road from Mill to Mines b'w N.E and S.W
- 300 To end center mon. where I set a granite stone 16x12x10 ins 1 ft. in ground and surrounded same with mound of stones Stone is marked C. No. 7. An oak 8 ins dia b'w 338° E 5 ft. " " 6 " " " N 50° E 11 " both trees blazed and marked C No 7 B.T.

Thence S 41° E (Same course)

Va 14° 2' East

- 300 To loc. mon. where I set a granite stone 24x12x10 ins and surrounded same with mound of stones. Stone is marked C. No. 8. An oak 8 ins dia b'w N 9° E 14 1/2 ft " " 9 " " " S 10° W 15 ft. both trees blazed and marked C. No. 8. B.T.

Feet

Thence N49°E

2/4 14°2' East

- 618 to Maple Gulch Creek flows NW
- 640 to Road bns NW and S.E.
- 750 to Mon. C. No. 2. on middle of E. side boundary to claim place of beginning.

Area

Total and Net area of claim 20.66 Acres

Location

This claim is located along the Hassoyampa Creek where it forms Confluence with Maple Gulch Creek. In Hassoyampa Mining District and is on unsurveyed lands

Improvements

Made upon this claim by Claimant or grantors consist of a cut 25 ft long by 6 ft deep by 5 ft wide. SW end of said cut bns W 44 ft. from Mon. I.M.C. No. 1. A cut 6 ft deep by 6 x 6 ft. bns S 40° W 90 ft from I.M.C. No. 1. a road graded from the mill to mining claims at a cost of two thousand dollars.

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

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

Instruments used a Gurly Transit and 50 ft. Steel chain

True and Courses determined by observation of Polaris

May 23 1891

L. B. Foster
US Dist. Mineral Surveyor

Affidavit of Five Hundred Dollars Improvements.

We, S. A. Smith and W. C. Hanson

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

Cascade mining claim, situated in

Hassayampa Mining District, Yavapai County,

Arizona Territory, for which the Commercial

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.

S. A. Smith

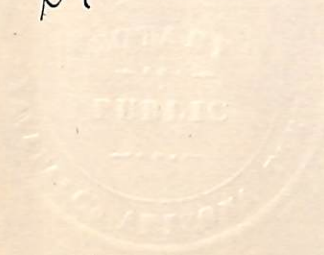
W. C. Hanson

TERRITORY OF ARIZONA,
County of Yavapai } ss.

SWORN to and subscribed before me, this 25th day
of May 1891

W. B. Foster

W. B. Foster
Notary Public



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by C. B. Foster
 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 Commercial Mining Company
 known as the Cascade
 and showing the respective capacities in which they acted

- A. A. Smith , Chainman.
- C. L. McDonald , Chainman.
- C. A. Barnes , Axman.
- W. C. Hanson , Flagman.

FINAL OATHS OF ASSISTANTS.

We, A. A. Smith, C. L. McDonald, C. A. Barnes,
 and W. C. Hanson, do solemnly swear that we assisted C. B. Foster
Foster, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of the
Commercial Mining Company
 , known as the Cascade, 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.

- A. A. Smith , Chainman.
- C. L. McDonald , Chainman.
- C. A. Barnes , Axman .
- W. C. Hanson , Flagman.

C. B. Foster

Subscribed and sworn to by the above-named persons before me
 this 25th day of May, 1891.

C. B. Foster
Notary Public

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, C. B. Foster, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 23, 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 Commercial Mining Company, known as the Cascade, situate in Yavapai County, Arizona Mining District, Township No. _____ Range No. _____ and designated as Survey No. 965, 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.

C. B. Foster
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said C. B. Foster, U. S. Deputy Mineral Surveyor, before me John J. Hawkins Notary Public this 37th day of May, 1891.

John J. Hawkins
Notary Public



CASCADE.

NOTICE OF LOCATION

Of the Cascade Mining Claim, Under and in accordance with the provisions of an "Act of Congress" approved May 10, 1872, and amendments thereto, the undersigned claim for mining purposes Six hundred feet in width and Fifteen hundred feet in length along this vein or lode called the Cascade mine, and situate in Hassayampa Mining District Yavapai County Territory of Arizona, Said Mine or Mineral claim is described and bounded as follows to-wit; Running along the ledge or vein from the monument in which this notice (duplicate) is placed 750 feet S.W. and 750 feet N.E. The exterior boundaries commence at a stone monument on the vein at the center of the claim, running thence in a S.E. direction at a right angle with the vein 300 feet to a stone monument thence N.E. parallel with the vein 750 to a stone monument thence N.W. at a right angle with the vein 600 feet to a stone monument, thence S.W. parallel with the vein 1500 feet to a stone monument, thence S.E. at a right angle with the vein 600 feet thence N.E. parallel with the vein 750 feet to the place of beginning.

This claim is more particularly described as situated about 1500 feet in a Northerly direction from David Grubbs cabin On Maple Gulch and about 1/2 mile in a N.W. direction from Mineral Monument No 1.

Dated on the ground this 2nd day of April 1886.

Fred W. Williams }
 W.H. Greenup } Claimants.

Filed and recorded at request of W.H. Greenup May 1st A.D. 1886 at 9 O'clock A.M. in Book 22 of Mines pages 199 & 200. Records of Yavapai County Arizona.

By W.C. Foster
Deputy.

William Wilkerson
County 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 "Cascade" Claim, located in the Hassayampa Mining District, Yavapai County, Arizona, and of record in Book 22 of Mines at pages 199 & 200.

Records of Yavapai County, Arizona.

In Witness Whereof, I have hereunto set my hand and affixed my official seal this *6th* Day of *April* A. D. 1891

Charles H. Akers

County Recorder.



TERRITORY OF ARIZONA,

ss.

County of Maricopa,

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 "Deasdale" Claim, located in the Hoosierayampa Mining District, Maricopa County, Arizona, and of record in Book 22 of Mines at pages 199 & 200.

Records of Yavapai County, Arizona.

In Witness Whereof, I have hereunto set my

hand and affixed my official seal this

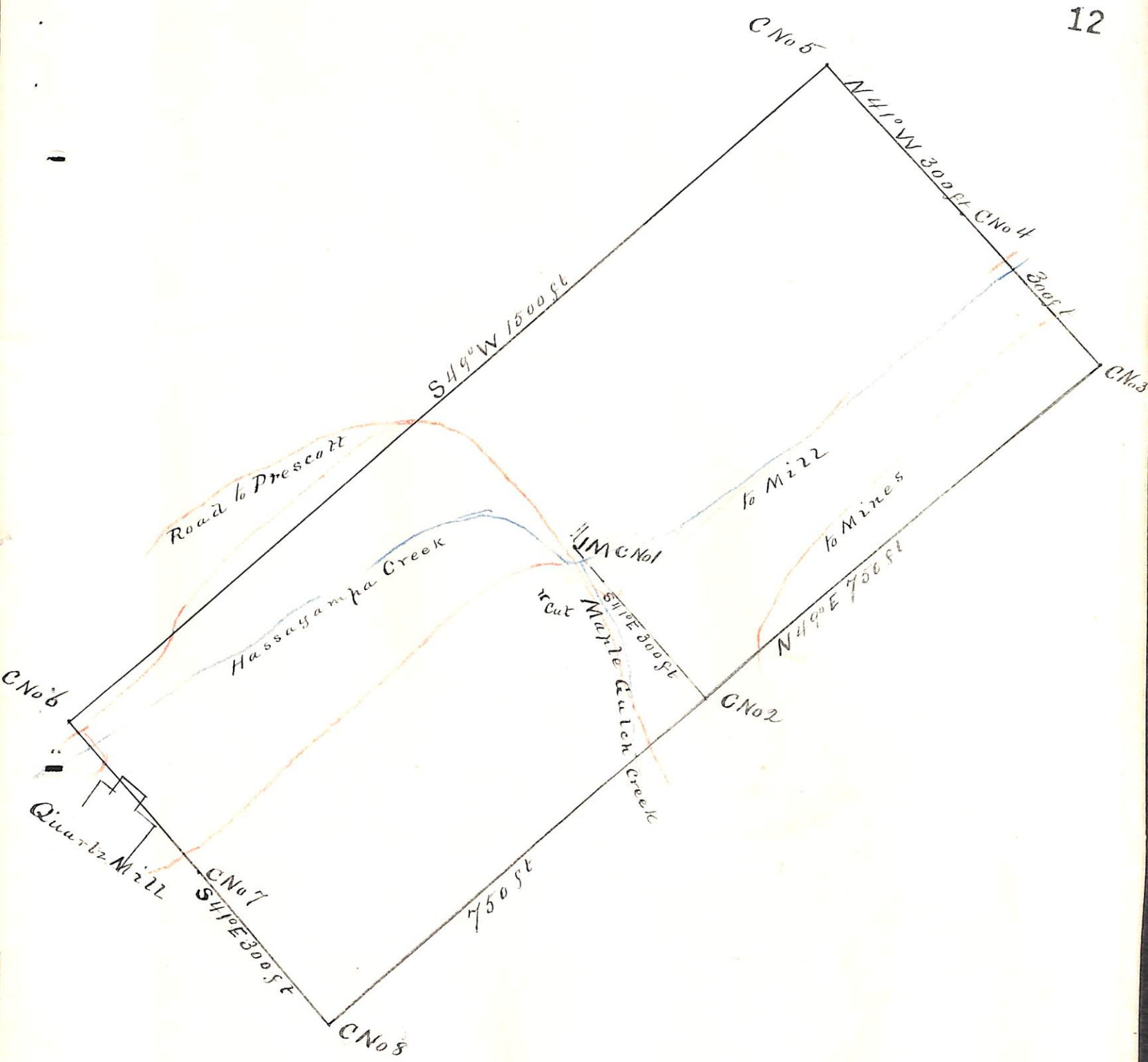
Day of June A. D. 1891

Charles H. Akers

County Recorder.

By W. C. Foster
Deputy.

William Wilkerson
County Recorder.



Plat
 of the
 Cascade Mining Claim
 in Hassayampa Mining District
 Yavapai County, Arizona,
 Claimed by Commercial Mining Co.
 Surveyed by C B Foster U.S.D.S.
 May 23rd 1891
 Contains 20.⁶⁶ Acres
 Var 14° 2' E Scale 200ft to 1 in

(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

June 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

Commercial Mining Company

"Cascade", known as the

situate in Hassayampa mining district,

Yavapai County, Arizona

in Section _____, Township No. _____, Range No. _____

and _____, designated as Survey No. 965.

executed by C. B. Foster, U. S. Deputy Mineral

Surveyor, May 23rd, 1891, under my instructions dated

April 23rd, 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.

Russell Johnson
U. S. Surveyor General for Arizona

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