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(4-683.)

Mineral Survey No. 1215

Lot No. _____

Percott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Oak and San Antonio

Mining and Milling Company
Wm J. Blakely, Kingman, Arizona, Attorney.
KNOWN AS THE

Esmeralda Lode

Yuccapai Mining District,

Mohave County, Arizona

Section 12, Township 22 N., Range 18 W.

Surveyed under instructions dated April 6th, 18 96

by O. F. Kuencer,
U. S. Deputy Mineral Surveyor

Claim located April 17 - 18 93 and March 1, 18 96

Survey commenced October 10th, 18 96

Survey completed October 18th, 18 96

o 6-160

Address,

William J. Blakely, attorney

Kingman, Arizona

Note: The boundaries of the Esmeralda lode were retraced in 1972 by Paul S. Bauer, Cadastral Surveyor. See field notes - Book 4949.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Chas Gross and Pedro Schell

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 Ark and San Antonio Mining and Milling Company, known as the Emeralda lode

situate in Hualapai mining district,

Maricopa County, Arizona Territory,

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

Chas Gross, Chainman.

Pedro Schell, Chainman.

Subscribed and sworn to by the above-named persons before

me this 10th day of October, 1896

L. O. Bowen Clerk of the District Court
By O. F. Kuencer Deputy Clerk.

I, Jack Little, 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 Ark and San Antonio Mining and Milling Company

known as the Emeralda lode, more fully described in the preceding affidavit.

Jack Little, Axeman.

Subscribed and sworn to by the said Jack Little before me this 10th day of

October, 1896

L. O. Bowen Clerk of the District Court
By O. F. Kuencer Deputy Clerk.

I, _____, 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 _____

known as the _____, more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____

before me this _____ day of

_____, 18 _____

Survey No 1215FootEmeralda Lode

Beginning at cor. No 1.

A pine post 4 ft. long, 4 ins. square, set 1 1/2 ft. in the ground, circled 1-1215.

whence:

cor. to sec. 1-12-6 and T. 22. N. between ranges 17 and 18 N. bears N. 02° 55' E. 385 1/2 ft.

Top of high peak, SW. of Cerbat mine bears N. 60° 30' E. about two miles.

SE. cor. of a shaft, 4 x 6 ft., 40 feet deep, on Montana lode now surveyed, owned by J. Little, bears N. 45° 05' E. 483 ft.

A cross (x) B.R. 1-1215, chiseled in granite boulder 6 x 5 x 14 ft. above ground, bears N. 9° 54' W. 243 ft.

Thence S. 36° 45' W.

47. Begin ascent of hill
 136.75 to top of hill and begin descent
 300 to stone monument at NW. end center
 448 to foot of hill and trail from Emeralda to Cerbat. course NW.
 600 to cor. No 2.

A pine post 3 1/2 feet long, 4 ins. square, set 20 ins in the ground, circled 2-1215
whence:

Highest point of Twin peaks bears S. 29° 20' E. about 1 1/2 miles

Cross (x) B.R. 2-1215, chiseled in openite reef, 2 ft. above ground bears S. 53° 12' W. 62 1/2 ft

Thence S. 50° 15' E.

41. to gulch 30 ft wide, flows S.
 112 Begin ascent of hill
 669 to top of hill, bears NE and NW.
 694 begin descent of hill
 723 to wagon road from Cerbat to Emeralda
 shaft. course NE
 1007 to wagon road from Cerbat to Emeralda
 house. course S.E.
 1171 to wash, at foot of hill, 49 ft wide
 flows SE.
 1372. to wagon road from Kingman to Emeralda
 house. course NE.

Feet.

1449 to wash, 27 ft. wide, flows S.

1500 to cor. No 3.

a pine post, 4 ft. long, 4 ins. square,
set $1\frac{1}{2}$ ft. in the ground, scribed 3-1215.
whence:

a cross (x) B.R. 3-1215, chiseled in
granite boulder, 5 x 2 x 0 ft. above ground,
bears N. $80^{\circ}48'E$: 59.75 ft.

a well of water, 30 ft. deep, bears
S. $40^{\circ}23'E$: 272.50 ft.

Loc. mon. on Orion mine unmoved,
owned by J. Little, bears N. $29^{\circ}32'W$: 765 ft.

Fence N. $36^{\circ}45'E$.

300 to mon. of stone at SE and center.

600 to cor. No 4.

a pine post, 4 ft. long, 4 ins. square,
set 2 feet in the ground, scribed 4-1215.
whence:

a cross (x) B.R. 4-1215, chiseled in
granite cliff, bears N. $53^{\circ}53'E$: 203.50 ft.

Fence N. $53^{\circ}15'W$.

72 to wash, 21 ft. wide, flows S. and begins
ascent of hill, bears SE and N80

750 to a pine post 4 ins. square, 6 ft. long, in
stone monument, on east side of claim.
post scribed: E.C.S. whence discovery
mon. a stone mon. 2 ft high and 20"
inches across the base bears S. 36°
 $45'W$: 300 ft.

970 to top of hill

1095 begin descent of hill

1200 to a shaft 6 feet deep.

1340 to a wash 18 ft wide - flows S.

1500 to cor. No 1, and place of beginning

Variation at all corners
of the Esmeralda lode $13^{\circ}05'E$

The survey of the Esmeralda

is identical with the location

Area

Total area Comeralda lode
20.661 acres

Location

This claim is located in the
S.E. $\frac{1}{4}$ of Sec. 12, T. 22. N. R. 18. W. unsurveyed
of the Pile and Salt river
Base and meridian

Expenditure of Five Hundred

Dollars

I certify that the value of the labor
and improvements upon this claim,
placed thereon by the claimants
and their grantors is not less than
five hundred dollars, and that said
improvements consist of:

- No 1. The discovery shaft, which bears
S. $53^{\circ} 15' E.$ 750 ft. from the NW. end
center of the claim; $3\frac{1}{2} \times 6$ ft. - 12 ft.
deep. Value \$100.-
- No 2. A shaft, 4×6 ft. 30 ft. deep, which
bears S. $53^{\circ} 15' E.$ 708 ft. from NW.
end center of claim Value \$400.-
- No 3. A shaft, $4\frac{1}{2} \times 7$ ft. 150 ft. deep, with
levels 120 ft long at a depth of 114 ft.,
all timbered - the vein above
levels traced out to within a
few feet of surface - which bears
S. $53^{\circ} 15' E.$ 668 ft. from NW. end center
of claim. Value \$8000.-
- No 4. A shaft 4×6 ft., 25 ft deep, which
bears S. $53^{\circ} 15' E.$ 620 ft. from NW. end
center of claim. Value \$200.-
- No 5. A shaft 4×6 ft. 8 ft deep, which
bears N. $53^{\circ} 15' W.$ 1200 ft from Cor.

No 4.

Value \$25.⁰⁰

The surface ground is braced by this claim, consists of rolling hills. The Bonnerdale Slide has a dip of 80° to the SW.

Other improvements

A steam hoist, the muskeg stack of which bears $S. 59^{\circ} 40' E. 97$ ft from Sec. mon. at SW. cor. of Discord shaft.

An adobe house the SE. cor of which bears $N. 25^{\circ} E. 219.50$ ft. from cor No. 3.

Instrument.

This survey was made with a Heller and Brightley ^{new} Transit. The corners were deflected from the true meridian by direct solar observations - the distances were measured with a 50 foot chain and a 500 foot steel tape.

Kingman Oct. 24th 1896

O. F. Keencer.

U. S. Deputy Mining
Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by O. F. Kuencer
 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 Oak and San Antonio Mining & Milling Company
 known as the Comeralda lode
 and showing the respective capacities in which they acted.

E. G. Gross....., Chairman.
Pedro Schell....., Chairman.
Jack Little....., Axman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. G. Gross - Pedro Schell
 and Jack Little....., do solemnly swear that we assisted O. F. Kuencer
 , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of The Oak and San
Antonio Mining and Milling Company
 , known as the Comeralda
lode....., 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.....

Chas Gross....., Chairman.
Pedro Schell....., Chairman.
Jack Little....., Axman
 , Flagman.

Subscribed and sworn to by the above-named persons before me

this 14th day of October, 1896

L. O. Cowan, Clerk of the
District Court

By O. F. Kuencer
Deputy Clerk.

(4-686.)

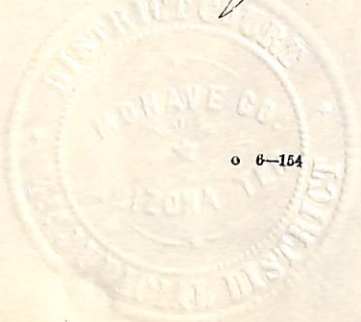
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, O. F. Kuencer, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona Territory, dated April 6th, 1896, 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 Oak and San Antonio Mining & Milling Company, known as the Esmeralda Lode, situate in Mohave Mining District, Mohave County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 1215, 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.

O. F. Kuencer
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said O. F. Kuencer
U. S. Deputy Mineral Surveyor, before me L. O. Horan
Clerk of the District Court this 29th
day of October, 1896.

L. O. Horan
Clerk of the District Court



o 6-154

Affidavit of Five Hundred Dollars Improvements.

We Foster S. Dennis and F. L. Peter

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the Esmeralda mining claim, situated in Wallapai Mining district, Mohave County, Arizona Territory, for which The Oak and San Antonio Mining and Milling 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 grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

Foster S. Dennis
F. L. Peter

TERRITORY OF ARIZONA,
County of Mohave } ss.

SWORN to and subscribed before me, this
29th day of October 1896

L. O. Loran
Clerk of the District Court

Esmeralda

Wallapai Dist.

I, the undersigned, claim fifteen hundred feet upon this ledge commencing at a shaft sunk by Wm Silverthern and running east with three hundred feet on each side of the ledge. I claim all privileges of the laws of Congress and this District. This claim is called the Esmeralda and is situated close to and easterly of house of E. Martin Smith at Milk ranch 2miles N. W. from Cerbat.

Apl 17th, 1873.

Charles Gross

Filed April 17th, 1873

A. C. Haskell,

Recorder.

Territory of Arizona,)
 : ss
 County of Mohave.)

I, E. J. Godman, County Recorder of Mohave County, Arizona Territory, do hereby certify that the foregoing is a true, full and correct copy of the notice of location of the Esmeralda Mining Claim, situated in the Wallapai Mining District, Mohave County, Arizona, as the same appears of record in the records of said Wallapai Mining District, Book C, page 106, and of which said records I am the custodian.

IN WITNESS WHEREOF I have hereunto set my hand and official seal this 3d day of October, A. D. 1887.

(Official)
 (Seal)

E. J. Godman,
 County Recorder.

Recorded at the request of O. F. Kuencer at 12:15 P. M. Oct 3d,

A. D. 1887.

E. J. Godman,
 County Recorder.

Territory of Arizona,)
 : ss
 County of Mohave.)

I, L. O. Cowan, County Recorder of Mohave County, Arizona Territory, do hereby certify that the above and foregoing is a full, true and correct copy of Notice of location of the "Esmeralda" mining claim as it appears of record in my office in Book K, page 152, Mining Records of Mohave County, Arizona Territory.

IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal this 8th day of February, A. D. 1896

L. O. Cowan

County Recorder.

By *Harvey Stubbs*

Deputy



Amended Notice of Location

TO WHOM IT MAY CONCERN: Notice is hereby given that the undersigned, having complied with all the requirements of Chapter VI, of Title 32 of the Revised Statutes of the United States, and the local mining laws, rules and regulations, has 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 United States mining laws, under which it is located.

This claim commences at this monument and notice placed upon the ledge and runs seven hundred and fifty (750) feet in a northerly direction and seven hundred and fifty (750) feet in a southerly direction along the ledge.

The exterior boundaries are as follows, to-wit: Commencing at a monument of stone on east boundary line distant three hundred (300) feet in an easterly direction from Discovery Monument; thence in a northerly direction parallel with the ledge seven hundred and fifty feet to monument of stone at N. E. corner of claim; thence in a westerly direction at right angles across the ledge six hundred (600) feet to monument of stone at N. W. corner of claim; thence in a southerly direction parallel with the ledge fifteen hundred (1500) feet to monument of stone at S. W. corner of claim; thence at right angles across the ledge in an easterly direction six hundred (600) feet to monument of stone at S. E. corner of claim; thence in a northerly direction parallel with the ledge seven hundred and fifty feet to monument on east boundary line and place of beginning.

This ledge may be more generally described as situated about 300 yards wasterly from the spring of water and improvements known as Smith's Milk Ranch--it being about 2 miles in a north westerly direction from the town of Gerbat. This is an amended notice of location of "Esmeralda" mining claim, and is made for the purpose of correcting

errors in original location as to courses and monuments, and to properly describe the claim, and for these purposes only; the locator waiving no legal or equitable rights. Said claim is situated in the Wallapai Mining District, Mohave County, Arizona Territory, and shall be known as the "Esmeralda" Mining Claim.

Dated on the ground this 31st day of March, 1896.

Witnesses:

Ark and San Antonio Mining and
Milling Co.,
Locator.

Recorded at the request of Otto F. Juencer, March 31st, A. D. 1896, at 10 minutes past 3 o'clock P. M.

L. O. Cowan,
County Recorder.

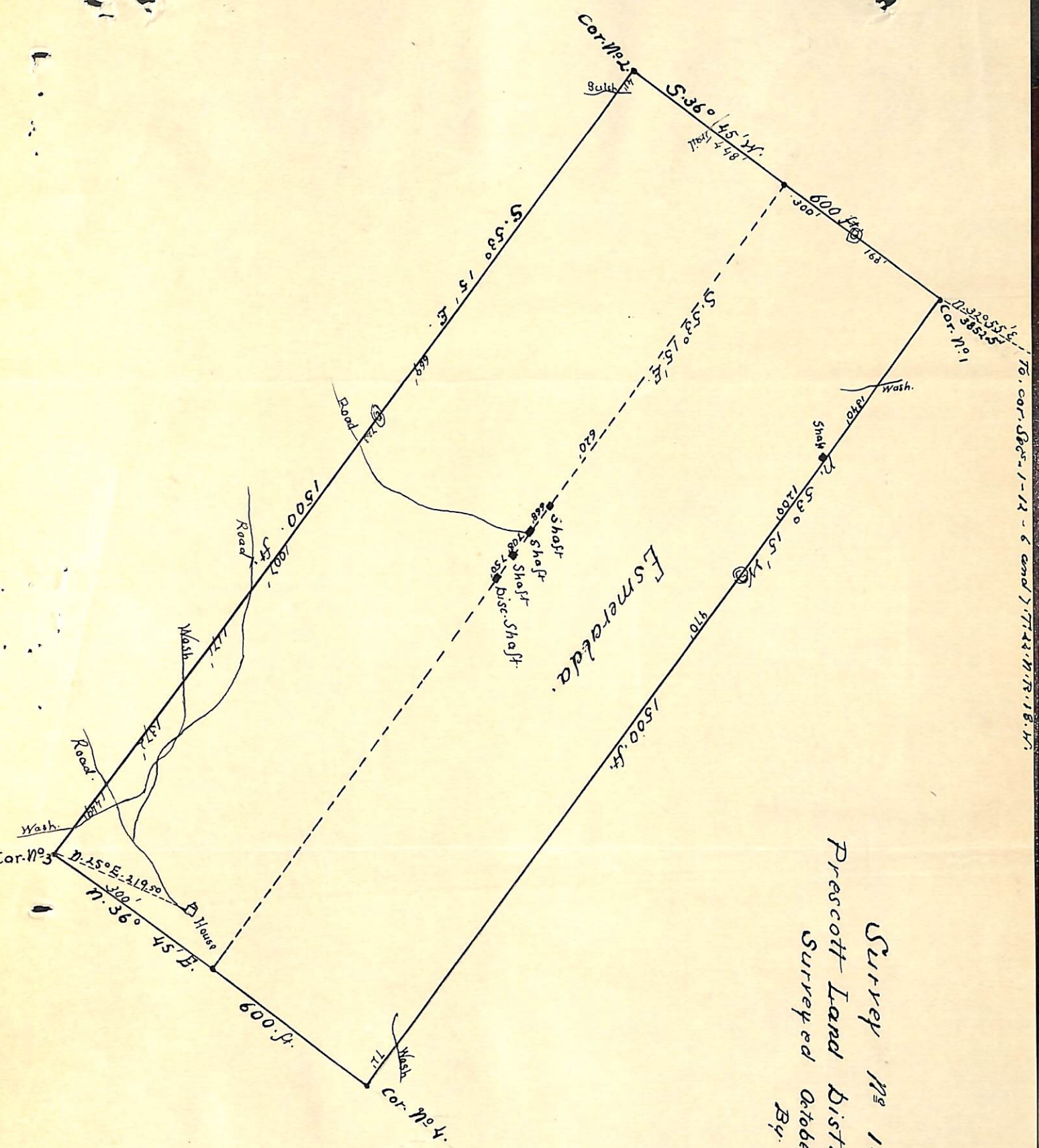
Territory of Arizona,)
 : ss
County of Mohave.)

I, L. O. Cowan, County Recorder within and for the County of Mohave, Territory of Arizona, do hereby certify that the above and foregoing is a full, true and correct copy of notice of location of the "Esmeralda" Mining Claim, situated in Wallapai Mining District, as it appears of record in my office in Book M, page 339, Mining Records of Mohave County, Arizona Territory.

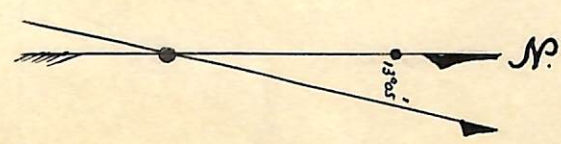
IN WITNESS WHEREOF I have hereunto set my hand and affixed my official seal this 1st day of April, A. D. 1896.

L. O. Cowan
County Recorder.





Survey No 1215
 Prescott Land District
 Surveyed October 10-11-12 and 13 1896
 By O.F. Kuencer
 U.S. Deputy Min. Surveyor.



To. cor. Sec. 1-12-6 and 17. 11. 13. 18. 19.

(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

January 9th, 1897

I, U. S. Surveyor General for *District of Arizona*,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the

Survey of the Mining Claim of *The Ark and San Antonio
Mining and Milling Company*

_____ , known as the

Esmeralda

situate in *Wallapai* mining district,

Mohave County, *Arizona*

in Section *12*, Township No. *22 N.*, Range No. *18 West*

S. & S. R. Mer, designated as Survey No. *1215*

executed by *O. F. Kuencer*, U. S. Deputy Mineral

Surveyor, *October 10-13*, 1896, under my instructions dated

April 6, 1896, 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

certificates filed by the applicant for survey is included in the field notes.

George J. Roskrige

U. S. Surveyor General for *Arizona*