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JAN-4 1905

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FEB 12 1905

Refined by amt
2/30/05

(4-683.)

Mineral Survey No. 5003

Lot No.

Gila

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

R. G. Bretherton, C. M. Heukel and A. M. Hawkins

KNOWN AS THE

"Little Casino"

Pima in Warren Mining District,

Cochise County, Arizona

Section Approx, Township 23 S, Range 24 E 2d SRB 7th

Surveyed under instructions dated Dec. 6th, 1904

by Franklin W. Smith

U. S. Deputy Mineral Surveyor.

Claim located See Location notices . 1

Survey commenced December 11th, 1904

Survey completed December 15th, 1904

o 6-180

Post Office address of claimants
Bisbee, Cochise County Arizona

File in O.R. (see note)
O.R. v. Jan 5th 1905
O.R. V 3/11/05

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, R. W. Story and J. S. Johnson,
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 R. A. Bretherton, C.M.
Hinkel and D. R. Hawkins
known as the Little basin
situate in Navajo mining district
Cochise County, Arizona,
in Section approx, Township No. 23 S, Range No. 24 E 9 & SR B & M.

R. W. Story, Chainman.
J. S. Johnson, Chainman.

Subscribed and sworn to by the above-named persons before me this
10th day of December, 1908

My Commission expires July 14, 1908 M. E. Cassidy
Notary Public in and for Cochise County

I, _____, do solemnly swear that I will well and truly perform the duties of axman, 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.

_____, Axman.
Subscribed and sworn to by the said _____
before me this _____ day of _____, 190_____

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 _____, 190_____

LITTLE CASINO LODE.
Survey No.2003.

Feet.

Beginning at Cor.No.1 the SW.cor., identical with location, with Cor.No.4 York State lode, Survey No.1628 and on line 2-3 Jocker lode, Survey No.1527, a pine post 4 ft.long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 1-2003 L.C.L., whence a pine post of same dimensions and scribed W.C.1-2003 brs. N. 34° 11' E 25 ft., and a second pine post of same dimensions and scribing brs S. 34° 11' W. 25 ft. and U.S.M.M.No.4 Warren Mining District brs S.86° 21' W. 3009.6 ft.

Thence N. 34° 11' E.

100.0 to original location for NW.end center.

131.8 same bearing to the intersection of line 1-2 Boston lode, Survey No. 1909, at N. 54° 50' W. 1049.5 ft. from Cor.No.2,

240.3 same bearing along line 2-3 Jocker lode, Survey No. 1527 to Cor.No.2 the NW.cor., identical with Cor.No 3 Jocker lode, Survey No.1527 and on the S. side Line of Miller lode, unsurveyed, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 2-2003 L.C.L., whence a pine post of same dimensions and scribed W. C. 2-2003 brs. S. 34° 11' W. 25 ft., and a second pine post of same dimensions and scribing brs. N. 34° 11' E. 25 ft. and original location for NW cor. brs. N. 34° 11' E. 158.6 ft.,

Thence S. 47° 55' E.

506.5 along the S. side line of Miller lode, unsurveyed to Cor.No.3, a pine post 4 ft long 4 ins. sq set 1 ft in the ground in a mound of stones and scribed 3-2003 L.C.L., whence a pine post of same dimensions and scribed W. C. 3-2003 brs. S. 47° 55' E. 25 ft., and a second pine post of same dimensions and scribing brs. N. 47° 55' W. 25 ft., and the SE. cor of Miller lode unsurveyed brs. S. 47° 55' E. 237.4 ft.

Thence S. 62° 59' E.

LITTLE CASINO LODGE (Con)
Survey No. 2003.

- Feet
- 202.85 to Cor.No.4, situated on the E. end line of Miller lode unsurveyed, a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 4-2003 L.C.L., whence a pine post of same dimensions and scribed W. C. 4-2003 brs. N. 03° 51' E. 25 ft., and a second pine post of same dimensions and scribing brs. S. 03° 51' W. 25 ft. and SE. cor of Miller lode unsurveyed brs. S. 03° 51' W. 67.1 ft.
Thence N. 03° 51' E.
- 215.3 to the intersection of line 4-3 Boston lode, Survey No. 1909 at N. 59° 50' W. 340.5 ft. from Cor.No.3, (line 1-5 St. Louis lode, Survey No. 1909 is identical with line 4-3 Boston lode of the same survey and also Cor.No.5 St. Louis lode is identical with Cor.No. 3 Boston lode)
- 310.6 same bearing to Cor.No.5, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 5-2003 L C L. whence a pine post of same dimensions and scribed W. C. 5-2003 brs. N. 03° 51' E 25 ft and a second pine post of same dimensions and scribing brs. S. 03° 51' W. 17.1 ft.
Thence S. 62° 39' E
- 350.7 to the intersection of line 4-5 St. Louis lode, Survey No. 1909 at N. 12° 36' E. 107.9 ft from Cor.No.5 and the intersection of line 2-1 Buzzard lode, Survey No. 1910 at N. 12° 36' E 409.6 ft from Cor.No.1
- 502.5 same bearing to Cor.No.6 the NE. cor.
whence a pine post 4 ft long 4 ins. sq set 1 ft in the ground in a mound of stones and scribed W.C. 6-2003 brs. S. 34° 11' W. 09 ft. whence a second pine post of same dimensions and scribing brs. N 34° 11' E. 25 ft., (bank so precipitous that cor. could not be set) *and original location brs N 34° 11' E 15 feet*
Thence S. 34° 11' W.
- 298.9 to original location for SE. end center
- 398.9 same bearing to Cor.No.7 the SE. cor., identical with location and with Cor.No.1 Buzzard lode, Survey No. 1910

LITTLE CASINO LODGE.
Survey No. 2003.

Feet.

a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 7-2003 LC L whence a pine post of same dimensions and scribed W.C. 7-2003 brs. N. $12^{\circ} 36' E$. 25 ft., and a second pine post of same dimensions and scribing brs. S. $62^{\circ} 16' E$ 25 ft. and Cor. No. 2 Boston lode, Survey No. 1909 brs S. $12^{\circ} 36' W$. 12.2 ft.

Thence N. $62^{\circ} 39' W$.

82.8 f along line 3-4 York State lode, Survey No. 1628 to the intersection of line 1-2 Boston lode, at N. $54^{\circ} 50' W$. 86.7 ft from Cor. No. 2

1052.3 same bearing along line 3-4 York State lode to Cor. No 1 the place of beginning.

LEDGE.

The presumed course of the vein on this claim is from the NW. end center of location S. $62^{\circ} 39' E$. 1052.3 ft.

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on this claim placed hereon by the claimants or their grantors is as follows:

No. 1 Discovery cut 4x10x18 ft brs. from Cor No 1. N. $54^{\circ} 06' E$. 87 ft., Value \$100.00

Note 2 Complete affidavit of \$500 improvements on this survey will be filed before the expiration of publication.

AREA.

Total area Little Casino lode	¹⁸⁵ 6.178 acres.
Less area in Conflict with Buzzard lode	
Survey No. 1910	0.690 ✓
Less area in conflict with Miller	
lode unsurveyed	<u>0.144 ✓</u> <u>0.834 ✓</u>
Net area Little Casino lode	5.344 acres. 5.351

LITTLE CASINO LODGE, (Con 2)
Survey No. 2003

AREA (Con).

Note The following areas in conflict with Boston and St. Louis lodes are not excluded:
Area in conflict with Boston lode, Survey No. 1909 3.282 A. ✓
Area in conflict with St. Louis lode, Survey No. 1909 0.754 ✓

ADJOINING CLAIMS.

North Miller lode, unsurveyed, John M. Johnson and Stephen M. Miller, owners.
East Buzzard lode, Survey No. 1910, Maurice Denn and Wm. Gerstenberg, owners.
South York State lode, Survey No. 1628, Maurice Denn, owner.
West Jocker lode, Survey No. 1527, John M. Johnson owner.

LOCATION.

This claim is located about $1\frac{1}{4}$ mi. in an easterly direction from the City of Bisbee on unsurveyed lands in the Warren Mining District Cochise County, Arizona, approximately in Tp. 23 S. R 24 E G & S R B & M.

INSTRUMENT

This survey was made with a Leitz Mountain and Mining transit. The courses were deflected from the true meridian as determined by solar observation checked by an observation on Polaris. The distances were measured with a 300 foot steel tape.

Magnetic Variation $12^{\circ} 30'$ E.



U. S. Deputy Mineral Surveyor.

Bisbee, Arizona,

December 16th 1904.

Note. The mineral monument tie of this survey agrees with those of Survey No. 1909, Boston, et al lodes, with Survey No. 1910, Buzzard, et al lodes, but does not agree with the York State lode, Survey No. 1628 or Jocker lode Survey No. 1527, the ties in the latter two surveys being in error. Any discrepancies between the courses and distances of this survey or those of the adjoining or conflicting approved surveys are due to errors in the latter.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Franklin W. Smith

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 R. A. Bretherton

C. M. Heukel and D. M. Hawkins

known as the Little Casino

and showing the respective capacities in which they acted.

R. W. Story , Chainman.

J. S. Johnson , Chainman.

..... , Arman.

..... , Flagman.

FINAL OATHS OF ASSISTANTS.

We, R. W. Story

and J. S. Johnson do solemnly swear that we assisted Franklin W. Smith

United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of R. A. Bretherton, C. M. Heukel

and D. M. Hawkins

known as the Little Casino

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

R. W. Story , Chainman.

J. S. Johnson , Chainman.

..... , Arman.

..... , Flagman.

Subscribed and sworn to by the above-named persons before me this 15th

day of December, 1904.

W. E. Cassidy

Commissioner expires June 14th 1908 - Notary Public in & for Cochise County

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Franklin W. Smith, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 6th, 1904, 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 R. G. Bretherton, C. M. Henkel and D. M. Perkins, known as the Little Casino, situate in Warren Mining District, Cochise County, Arizona, in Section approx., Township No. 23N, Range No. 24E G. & S. R. B. & M. Union and designated as Survey No. 2003, 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 them 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.

Franklin W. Smith
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Franklin W. Smith
U. S. Deputy Mineral Surveyor, before me this 16th
this
day of December, 1904

Commission expires July 14th 1908.

M. E. Cassidy
Notary Public in and for Cochise County

Notice of Mining Location

10

LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Little Basin
Mining Claim, situate on lands belonging to the United States of America, and in which there
are valuable mineral deposits, was entered upon and located for the purposes of exploration and
purchase by E. M. Henkel, R. A. Bretherton, D. N. Hawkins
Citizens of the U. S.
(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 31 day of January 1904

The length of this claim is 1100 feet,
and we claim 35 feet,
in a N. Westerly direction and 1065

feet in a Southeasterly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 feet on N.E. 100 feet on S.W. ~~feet~~ feet in width of the surface grounds, ~~on each~~
~~side of~~ from the center of said claim. The general course of the lode deposit and premises is from the
Northwest to the Southeast

The claim is situated and located in the Warren Mining District, in
Cochise County, in the Territory of Arizona, about 1/4 mile
in a Northerly direction from the junction shaft and
is bounded on its Southwest side by the Gold
State, a patented claim

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

a monument of stones

at a point in a Northwesterly direction 35 feet from
the discovery shaft (at which this notice is posted), being in the center of the N. W.
end line of said claim; thence Southwesterly 100 feet to a post
, being the Southwest corner of said claim; thence
Southeasterly 1100 feet to a post, being at the
Southeast corner of said claim; thence Northeasterly 100 feet
to a mound of stones at the center of the S. East end of said claim;
thence Northeasterly 300 feet to a post, being at the
Northeast corner of said claim; thence northwesterly 1100
feet to a post at the northwest corner of said claim;
thence Southwesterly 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to
Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the ground this 31 day of January 1904

E. M. Henkel
R. A. Bretherton
D. N. Hawkins

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

I,..... County Recorder in and for the County and
 Territory aforesaid, do hereby certify that the within instrument was filed for record at..... o'clock,..... M.,
 on this..... day of..... 190..., and duly recorded in Book No.....
 of..... Records of..... County, Arizona, at pages.....
 WITNESS my hand and official seal the day and year first above written.

County Recorder.

Notice of Location

LODE CLAIM

Dated..... 190.....

Filed and Recorded at request of

A. D. 190.....

at..... M.

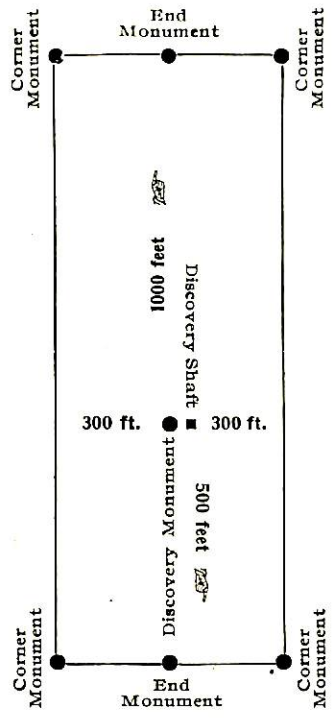
Book.....

Pages.....

County Recorder.

By.....

Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

Filed and recorded at request of C. M. Henkel, Feby 5th, A. D. 1904
at 9 A. M. in Book 30, page 146, Record of Mines.

Territory of Arizona, (
County of Cochise. (ss.
 (
)

I, Frank Hare, County Recorder in and for said County, hereby certify that I have compared the foregoing copy with the original Location Notice of the Little Casino Mining Claim, filed and recorded in my office on the 5th day of Feby, 1904, in Book 30, at page 146, Record of Mines, and that the same is a full, true and correct copy of such original and of the whole thereof.

Witness my hand and seal of office, this 3rd day of December,
1904.

Frank Hare

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,

Phoenix, Arizona.

April 10 - 1905

I, U. S. Surveyor-General for the district of Arizona.

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of R. A. Bretneron, C. M. Henkel and D. N. Hawkins,

known as the Little Casino

situate in Warren Mining District, Cochise County, Arizona.

in Section APPROX., Township No. 23 S., Range No. 24 E. G. & S. R. B. & M., designated as Survey No. 2003

executed by Franklin W. Smith, U. S. Deputy Mineral Surveyor, Dec. 11th to 15th 1904, 190, under my instructions dated

Dec. 6th 1904, 190, 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.

Frank Schyall

U. S. Surveyor-General for Arizona.

Little Casino mining claim, situate in the Warren Mining District, Cochise County Arizona, and owned by C. M. Henkel and D. M. Hawkins.

AFFIDAVIT OF \$500 IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on this claim placed thereon by the claimants or their grantors is not less than \$500, and I further certify that the improvements as herein stated were made by the said applicants before June 10th, 1905 and therefore prior to the expiration of the period of publication:

No. 1 Discovery cut 4x10x18 ft brs from Cor. No. 1 N. 54° 6' E. 87 ft., Value \$100.00

No. 2 Open Cut 4x10x18 ft at mouth of tunnel and tunnel 4x6x40 ft course N. 10° W. the center of mouth of open cut brs from Cor. No. 1 N. 49° 29' ^{E.} 95 ft., Value \$400.00

Total improvements Little Casino lode \$500.00

Franklin W. Smith

U.S. Deputy Mineral Surveyor.

Bisbee, Arizona, June 25th, 1905.

Affidavit of Five Hundred Dollars Improvements.

We, R. A. Zuesener and T. F. Field

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

Little Casino mining claim, situate in Warren

mining district, Cochise County, Arizona Territory, for which

Claude M. Henkel and David N. Hawkins

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 applicant^s and

Their grantor^s exceed five hundred dollars in value, and further that we are not personally interested in said mine.

R. A. Zuesener

T. F. Field

TERRITORY OF ARIZONA,

COUNTY OF Cochise } ss:

Sworn to and subscribed before me this 25th day

[SEAL.]

of June, 1905

Carroll E. Smith

17171b400-3-05

NOTARY PUBLIC
In and for the County of Cochise, Territory of Arizona
My Commission Expires March 21, 1908.

(4-691.)

Certificate of U. S. Surveyor General

AS TO

EXPENDITURES REPORTED AFTER RETURN OF SURVEY OF MINING CLAIM.

I, U. S. Surveyor General for the district of Arizona.,
do hereby certify that Five Hundred Dollars' worth of labor has been expended or
improvements made by claimant or their grantors, upon the mining claim of
Claude M. Henkel and David M. Hawkins.

known as the Little Casino,
situate in Warren mining district,
Cochise County, Arizona.
in Section _____, Township No. _____, Range No. _____;
that said improvements consist of No. 1, Discovery cut, value \$100.
No. 2, Open cut and tunnel, value \$400. Total value of improve-
ments upon claim, \$500.

_____ , and that no portion of said labor or improvements has been
included in the estimate of expenditures upon any other claim. A copy of the report of
Franklin W. Smith, U. S. Deputy Mineral Surveyor, dated
July 25, 1905. ~~X18~~ , is hereto attached.



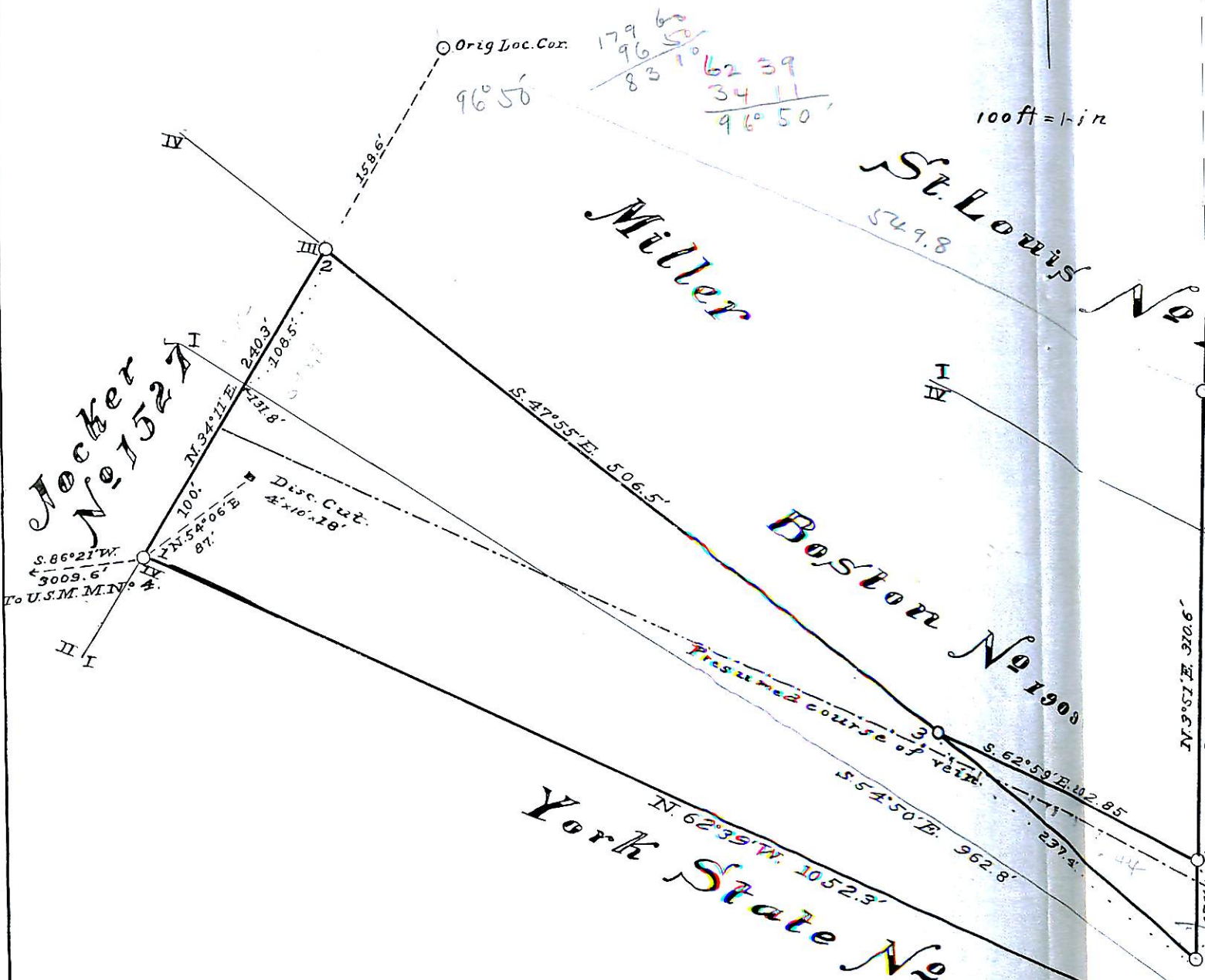
U. S. Surveyor General for Arizona.

Office of U. S. Surveyor General,

Phoenix, Arizona.

July 28, 1905. , 18

SURVEY No. 2 LITTLE CASINO



Total Area Little Casino
 Little Casino - Buzzard Conflict
 Little Casino - Miller Conflict
 Little Casino - Boston Conflict
 Little Casino - St. Louis Conflict
 Net Area Little Casino

Note - Boston and St. Louis Conflicts not excluded.

3.282A.
 0.754''

not included

0.690A.
 0.144''

6.185
 5.178A.
 1834
 5.344A.
 5.351A

SURVEY No. 2003.

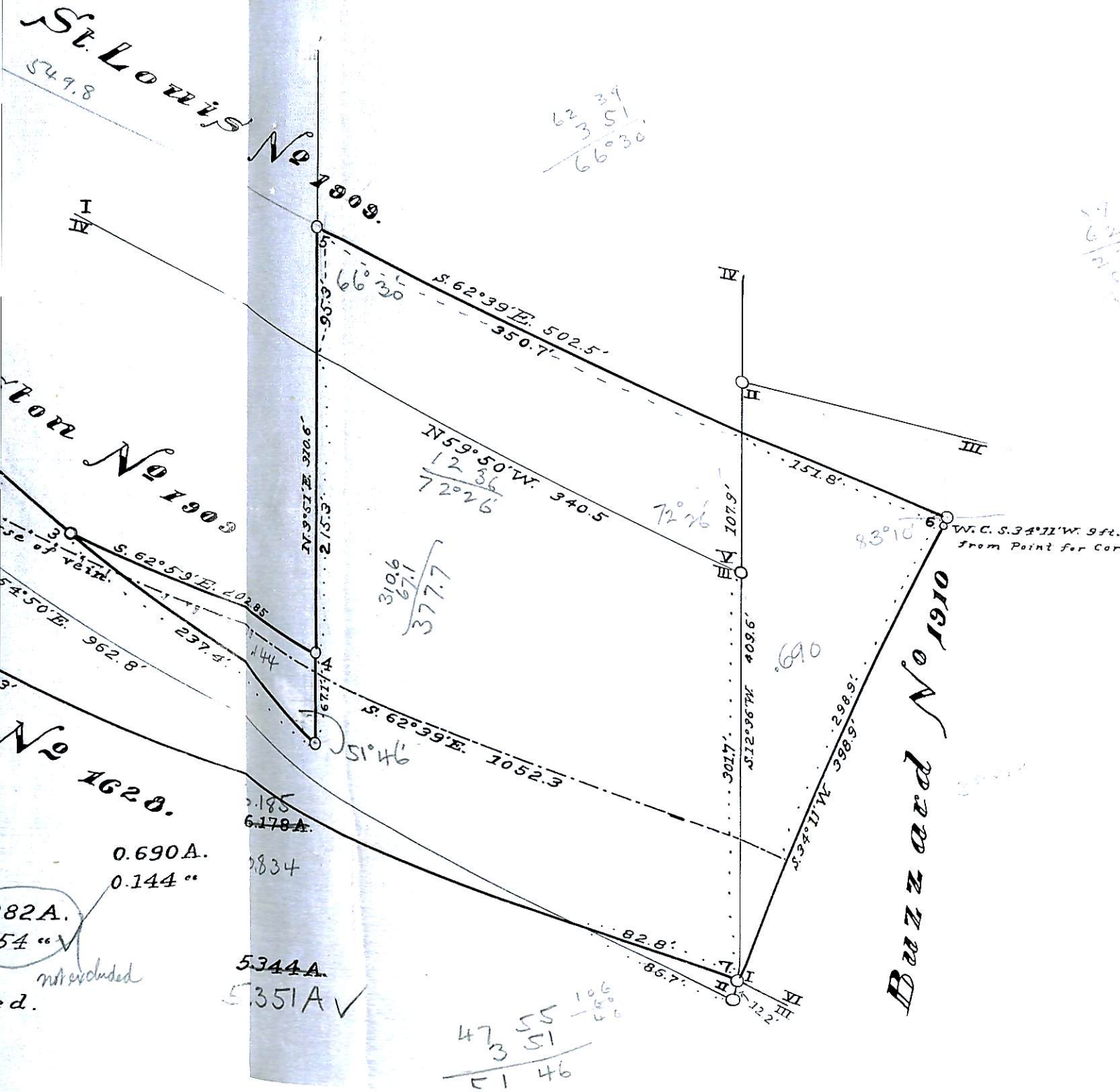
LITTLE CASINO.



100 ft = 1" = 1/16"

St. Louis

$$\begin{array}{r} 623 \\ 29 \\ \hline 66030 \end{array}$$



$$\begin{array}{r} 623 \\ 29 \\ \hline 66030 \end{array}$$

$$\begin{array}{r} 310.6 \\ 67.1 \\ \hline 377.7 \end{array}$$

690

0.690A.
 0.144 "
 82A.
 54 " ✓
 not excluded
 d.

5344A.
 5351A ✓

$$\begin{array}{r} 4755 \\ 351 \\ \hline 5146 \end{array}$$

Barnard No 1910