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(4-683.)

Mineral Survey No. 1612

Lot No. _____

Prescott

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Union Gold Mining Company

KNOWN AS THE

Union and Liberty
Pine Grove

Mining District,

Yavapai County, Arizona

Section approx, Township 10 N., Range 1 W.

Surveyed under instructions dated Nov. 5, 1901

by J. J. Leiker,
U. S. Deputy Mineral Surveyor.

*Claim located see certificates, 1

Survey commenced Nov 18th, 1901

Survey completed Nov 19th, 1901

o 6-160

Address,

Chalmers & Wilkinson

Phoenix

Arizona

Agents for Claimant

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, E. H. Draper and B. C. Carleton,
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 Union Gold Mining Company
_____ , known as the
Union and Liberty
situate in Pine Grove mining district,
Yavapai County, Arizona
in Section _____, Township No. _____, Range No. _____.

E. H. Draper, Chainman.

B. C. Carleton, Chainman.

9⁴ Subscribed and sworn to by the above-named persons before
me this 18 day of Nov, 1891.

I, B. C. Carleton, 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 Union Gold Mining Co
_____ known as the Union & Liberty
more fully described in the preceding affidavit.

B. C. Carleton, Axeman.

9⁴ Subscribed and sworn to by the said _____
before me this 18th day of
November, 1891.

I, E. H. Draper, 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 Union Gold Mining Co.
_____ known as the Union & Liberty
more fully described in the preceding affidavit.

E. H. Draper, Flagman.

9⁴ Subscribed and sworn to by the said E. H. Draper
before me this 18th day of
November, 1891.

J. J. Fisher
Notary Public

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SURVEY NO. 1612.

Feet

UNION LODE.

Beginning at initial monument at N.C.E. of claim,
which is also the S.C.E. of Union Lode, Survey No. 446.
Identical with same.

A granite stone 5 x 12 ins 8 ins. above ground.
Stone marked N.C.E.U.No. 1912. Also same stone marked
U.C.

Thence N. 63° 15' W

Var. 14° E.

300 To cor. No. 1, identical with N.W. Cor. of location.

A granite stone 5 x 12 x 24 ins. set 1 ft. in ground
alongside a mon. of stones 3 x 3 ft. Stone marked

U.No. 1-1612. Same stone marked U.No. 3. *Union Surv. No. 446*

A cross on a granite rock in place marked B.R.U.No. 1-
1612, brs. N. 25° 25' W. 13.4 ft.

A X on a granite rock in place, marked U.No. 1-1612
brs. S. 27° 50' W 6.8 ft.

U.S.M.M.No. 2 P.G.D., brs. N. 33° 39' E. 2271.6 ft.

Thence S. 21° 13' W.

Var. 14° E.

1395.5 To cor. No. 2, identical with S.W. cor. of location.

A granite stone 5 x 10 x 24 ins. set 1 ft. in ground
alongside a mon. of stones 3 x 3 ft. Stone marked
U.No. 2-1612.

A X on a granite rock in place marked B.R.U.No. 2-
1612, brs. S. 14° 25' E. 25 ft.

Thence S. 63° 15' E.

Var. 14° E.

300 To S.C.E. identical with S.C.E. of location.

A granite stone 8 x 12 x 24 ins. set 1 ft. in ground
alongside a mon of stones 3 x 3 ft. Stone marked
S.C.E.U.No. 1612.

SURVEY No.1612

Feet

600 To cor.No.3, identical with S.E.Cor.of location.
 A granite stone 6 x 12 x 36 ins.set 1 ft. in ground
 alongside a mon of stones 3 x 3 ft. Stone marked
 U No.3-1612.
 A X on a granite rock in place marked B.R.U.No.3-
 1612, brs.N.53° 55'E. 51.5 ft.

Thence N.21° 13'E.
 Var.14° E.

495.5 To cor.No.3 Liberty Lode of this Survey.
 1395.5 To cor.No.4, which is also cor.No.2 of the Liberty
 Lode of this Survey, and cor.No.2 of the Union Survey
 No.446. Identical with N.E.Cor.of location.

A granite stone 5 x 12 ins.8 ins. above ground
 alongside of which built a mon. of stones 3 x 3 ft.
 Stone marked U.No.4-1612, and L .No.2-1612. Also U.No.
 2. - 446

A X on a granite rock in place marked B.R.U.No.4-
 1612, brs.S.57° 10'E. 24.5 ft.
 No other brs. available.

Thence N.63° 15'W.
 Var.14° E.

300 To N.C.E., the place of beginning survey of exterior
 boundaries.

* * * *

LIBERTY LODE.

Beginning at N.C.E., identical with the N.C.E of
 location.

A granite stone 6 x 12 x 24 ins. set 1ft.in
 ground, alongside a mon. of stones 3 x 3 ft. Stone
 marked N.C.E.L.No.1612.

SURVEY NO. 1612.

Feet

Thence N.63° 15'W.

Var.14° E.

50 To cor.No1. at intersection of line 1-2 Survey No. 446 Union Lode , at S.24° 30'W. 266.5 ft. from cor. No.1.

Original cor.of location brs.N.63° 15'W.250 ft.

A X on a granite rock in place,marked L.No.1-1612 alongside built a mon. of stones 3 x 3 ft.

A X on a granite rock in place marked B.R.L.No.1-1612 brs.N.19° 50'W.15.5 ft.

A X on a granite rock in place marked B.R.L.No.1-1612,brs.N.88° 25'E.19.4 ft.

U.S.M.M.No.2P.G.D.,brs.N.16° 21'E.1677.9 ft.

Thence S.24° 30'W.

Var.14° E.

600 To cor.No.2,which is also cor.No.4 Union Lode of this Survey; cor.described above.

Thence S. 21° 13'W.

Var.14° E.

900 To cor.No.3; original cor. of location brs.N.63° 15'W.250 ft.

A granitestone 5 x 10,x 24 ins. set 1 ft. in ground alongside a mon. of stones 3 x 3 ft. Stone marked L.No.3-1612.

,A X on a granite rock in place marked B.R.L.No.3-1612 brs.N.3° 50'W. 29 ft.

A X on a granite rock in place marked B.R.L.No.3-1612 brs.S.25 ° 30'W.15.3 ft.

Thence S.63° 15'E.

Var.14° E.

SURVEY NO. 1612.

Feet

Thence S.63° 15' E.

Var.14° E.

50 To S.C.E. identical with S.C.E.of location.

A granite stone 8 x 10 x 24 ins.set 1 ft.in ground alongside a mon. of stone 3 x 3 ft. Stone marked S.C.E.L.No.1612.

350 To cor.No.4, identical with S.E.Cor.of location.

A granite stone 6 x 8 x 24 ins. set 1 ft. in ground alongside a mon. of stones 3 x 3 ft. Stone marked L.No.4-1612.

A X on a granite rock in place marked B.R.L.No.4-1612 brs.N.2° W.12.6 ft.

Thence N.22° 32'E.

Var.14° E.

750 To E.S.Mon.

1499.4 To cor.No.5, identical with the N.E.cor.of location.

A granite stone 6 x 12 x 24 ins.set 1 ft. in ground alongside a mon. of stones 3 x 3 ft. Stone marked L.No.5-1612

A X on a granite rock in place marked B.R.L.No.5-1612, brs.S.64° 25'E. 14.8 ft.

A X on a granite rock in place marked B.R.L.No.5-1612, brs N.42° 20'W. 19.5 ft.

Thence N.63° 15'W.

Var.14° E.

300 To N.C.E.,the place of beginning survey of exterior boundaries.

* * * *

AREA

UNION LODGE 19.132 Acres

LIBERTY LODGE 12.368 "

Total Area 31.5 "

5

SURVEY NO.1612.

Feet

LOCATION.

This claim is located approximately in Tp.10 N. R.1 W. Gila & Salt River Base Meridian. In Pine Grove Mining District, Yaapai County, Arizona, and is bounded on the N. by the Union Survey No.446; on the E. by property belonging to the Crowned King Mining Company and on the S. by property belonging to the Crowned King Mining Company; ~~on the south by property belonging to the Crowned King Mining Company,~~ names of claims unknown, and on the west by property belonging to Robert Dougherty, name of claims unknown .

* * * *

VEINS.

UNION VEIN:

Extends from the N.C.E.Mon.S.21° 13'W.1395.5 ft. to the S.C.E.of claim .

LIBERTY VEIN:

Extends from the discovery shaft S.22° 32'W.200 ft. and N.22° 32'E.1299.4 ft. to C.E.of claim.

* * * *

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and its grantors, is not less than \$500 for each location and that said improvements consist of :

UNION LODE:

Discovery Shaft No.1, which brs. from the N.C.E.Mon. S.21° 13'W.270 ft. Shaft 4 x 6 ft. 140 ft. deep., connecting with tunnel No.2.

Value	\$1400.00
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Tunnel No.2, which brs. from N.C.E.Mon.S.21° 13'W 110 ft. Tunnel 4 x 6 ft., course S.21° 13'W.700 ft.

\$500.00 credited to Liberty
 Value \$7000.00
\$500.00 of the value of this tunnel is to credited to the Liberty claim, of that amount
 Bunk house, which brs. from Cor.No.4 N.79° 15'W. 100 ft.

Value	\$500.00
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SURVEY NO.1612.

Feet

Office, which brs. from cor.No.4 N.65° 45'W. 342 ft.

Value \$250.00

LIBERTY LODE:

Discovery shaft No.1 which bra.from the S.C.E.Mon. N.22° 32'E.200 ft. Shaft 4 x 6 ft.10 ft.deep.

Value \$100.00

Boarding house, which brs.from cor.No.1 S.24° 30'W 220 ft.

Value \$500.00

* * * *

INSTRUMENT.

This survey was made with a Gurley Light Mountain Solar Transit, the courses were deflected from the true meridian as determined by direct solar observation. The distances were measured with a 50 ft.steel tape and 100 ft.steel chain.

Prescott, Arizona,

Nov.30, 1901.

J. J. Fisher
U S Deputy Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by J. J. Fisher
 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 Union Gold Mines Company
 known as the Union & Liberty
 and showing the respective capacities in which they acted.

E. H. Draper , Chairman.
B. C. Carleton , Chairman.
B. C. Carleton , Assn.
E. H. Draper , Flagman.

FINAL OATHS OF ASSISTANTS.

We, E. H. Draper
 and B. C. Carleton do solemnly swear that we assisted J. J. Fisher
Fisher United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Union Gold Mining
Company , known as the Union & Liberty
 , 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
Oregon

E. H. Draper , Chairman.
B. C. Carleton , Chairman.
B. C. Carleton , Assn.
E. H. Draper , Flagman.

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

this 19 day of Nov., 1901

J. J. Fisher
 Notary Public

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, J. J. Fisher, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Nov. 5/1901, 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 Union Gold Mining Company, known as the Union & Liberty, situate in Pine Grove Mining District, Yavapai County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 1612, 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.

J. J. Fisher
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said J. J. Fisher
U. S. Deputy Mineral Surveyor, before me a Notary Public in and for Yavapai County, Ariz. Terr. this 30 day of November 1901,

Ziba O. Brown
Notary Public.

o 3-154

my Commission Expires
Nov. 1-1905.

Affidavit of Five Hundred Dollars Improvements.

We, E. H. Draper, and B. C. Carleton

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the Union & Liberty mining claim, situate in Pine Grove Mining district, Yavapai County, Arizona Territory, for which Union Coal Mining Co.

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 to grantor exceed Five Hundred Dollars in value, ^{for each claim} and further that we are not personally interested in said mine.

E. H. Draper

B. C. Carleton

TERRITORY OF ARIZONA, }
County of Yavapai } ss:

Sworn to and subscribed before me, this 19th day of November, 1901

J. J. Fisher
Notary Public

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"LIBERTY".

NOTICE OF MINING LOCATION.
Lode Claim.

To all whom it may concern:

This mining claim, the name of which is the LIBERTY 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 purpose of exploration and purchase by John Luke a citizen of the U.S. and Frank Luke a citizen of the U.S. the undersigned, on the 30 day of October, 1900.

The length of this claim is fifteen hundred (1500) feet, and I claim thirteen hundred (1300) feet in a northeasterly direction and Two hundred (200) feet in a southwesterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three hundred (300 ft.) feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the northeast to the southwest.

The claim is situated and located in the Pine Grove Mining District, in Yavapai County, in the Territory of Arizona, about three fourths of a mile in a northwesterly direction from the Crown King mill and about three thousand feet in a southwesterly direction from the Crown King mine, a patented claim.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a northwesterly direction thirteen hundred feet from the discovery shaft (at which this notice is posted), being in the center of the north end line of said claim; thence 300 feet to a monument of stone being the northwest corner of said claim; thence 750 feet to a monument of stone at the center of the west side line of said claim; thence 750 feet to a monument of stone being at the southwest corner of said claim; thence 300 feet to a monument of stone at the center of the south end of said claim; thence 300 feet to a monument of stone, being at the southeast corner of said claim; thence 750 feet to a monument of stone being at the center of the east side line of said claim; thence 750 feet to a monument of stone at the northeast corner of said claim; thence 300 feet to the place of beginning.

All done under the provisions of Chapter 51, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines", approved March 20th, 1895, and amended March 2d, 1899.

Dated and posted on the ground this 30 day of October, 1900.

John Luke
Frank Luke

Filed and recorded at request of John Luke, Dec. 24" A.D. 1900, at 9 o'clock, A.M., Book 53 of Mines, page 324, Records of Yavapai County, Arizona.

(Seal) W.I. Johnson,
County Recorder.

By P.J. Farley,
Deputy Recorder.

TERRITORY OF ARIZONA,)
COUNTY OF YAVAPAI.) SS:

I, P.J. FARLEY, County Recorder in and for the County of Yavapai, in the Territory of Arizona, 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 notice of location of the "LIBERTY" Mining Claim, as the same appears of record in Book 53 of Mines, page 324, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, this 15th day of October, A.D. 1901.

P. J. Farley
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

January 27th, 1902

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

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of *Union Gold Mining Company*

....., known as the *Union and Liberty*

situate in *Pine Grove* mining district,

Maricopa County, *Arizona*

in Section *Approx.*, Township No. *10 N.*, Range No. *1 W. (unsurveyed)*

....., designated as Survey No. *1612*

executed by *J. J. Fisher*, U. S. Deputy Mineral

Surveyor, *November 18-19th*, 1901., under my instructions dated

November 5th, 1901., have been critically examined and the

necessary corrections and explanations made, and the said Field Notes and Return, and

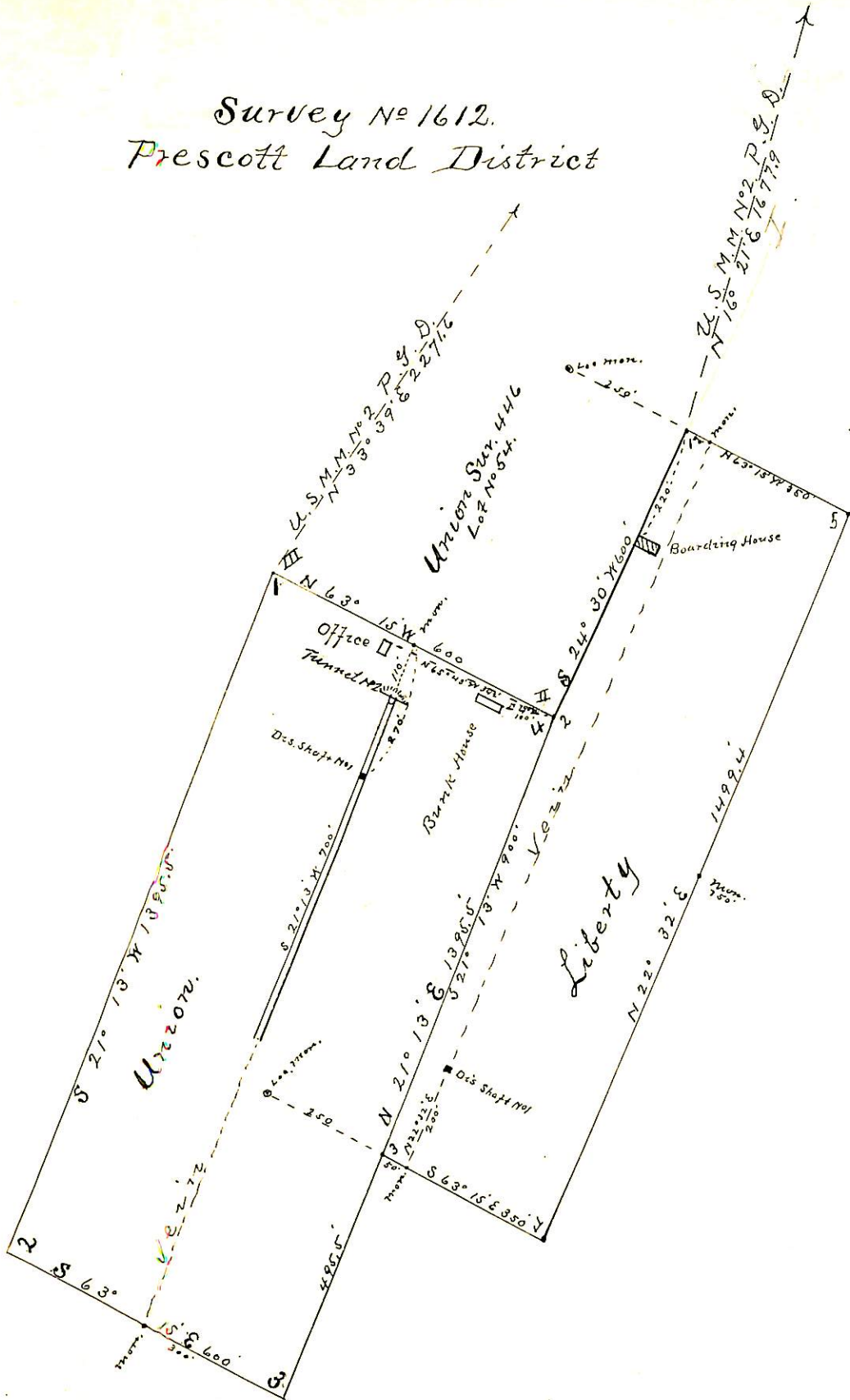
the Survey they describe, are hereby approved. A true copy of the copy of the location

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

Hugh H. Rice

U. S. Surveyor General for *Arizona*

Survey No 1612.
 Prescott Land District



Surveyed Nov. 18-19-1901
 by J. J. Fisher
 U.S. D.M.S.
 Scale 300' = 1 inch