

**MS.**

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*Rec'd August 1902*  
*Survey of 1902*

(4-683.)

Mineral Survey No. 1624.

Lot No. \_\_\_\_\_

Puscott Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Genevieve M. Murphy.

KNOWN AS THE

"Olympia" lode claim,  
situate in Black Rock Mining District,  
Maricopa County, Arizona Territory.  
Section approx, Township 8 N, Range 7 W (unsurveyed)

Surveyed under instructions dated Dec. 31<sup>st</sup> 1901

by Herbert R. Patrick,  
U. S. Deputy Mineral Surveyor.

Claim located January 2<sup>nd</sup> 1900.

Survey commenced January 18<sup>th</sup> 1902

Survey completed January 20<sup>th</sup> 1902.

o 6-160

Address of claimants  
Wickenburg, Arizona.

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, John W. Gunnell and Walter B. Gunnell, 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 G. M. Murphy,

known as the "Olympia" situate in Black Rock mining district, Yavapai County, Arizona Territory, in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. \_\_\_\_\_

J. W. Gunnell, Chainman.  
W. B. Gunnell, Chainman.

Subscribed and sworn to by the above-named persons before me this 15 day of January, 1902

*My Commission expires* W. Gilbert Notary Public  
SEP 17 1903

I, John Miller, 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 G. M. Murphy,

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

John Miller, Axeman.

Subscribed and sworn to by the said John Miller before me this 15 day of January, 1902

*My Commission expires* W. Gilbert Notary Public  
SEP 17 1903

I, D. Herbert Perry, 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 G. M. Murphy,

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

D. H. Perry, Flagman.

Subscribed and sworn to by the said D. Herbert Perry before me this 15 day of January, 1902

*My Commission expires* W. Gilbert Notary Public  
SEP 17 1903

Feet. Beginning at Cor. N<sup>o</sup> 1. the S.W. Cor of claim.  
 A pine post 4 ins. square 4 ft. long set 18 ins.  
 in the ground, in mound of stone 4 ft base.  
 2 1/2 ft high, and scribed - 1-1624 - whence.  
 A paloverde 5 ins. diam. bears N. 86° 05' W. 20 7/8 ft.  
 A paloverde 6 ins. diam. bears S. 12° 55' W. 94 1/2 ft.  
 each. blazed and scribed 1-1624. B.T.  
 A Granite rock, in place, 3 x 4 ft. 4 ft above ground  
 chiseled X - 1-1624 - B.O. bears N. 43° 58' E. 35 3/4 ft.  
 Corner of location, a mound of stone, bears S. 72° 45' W. 13 1/2 ft.  
 "Black Peak" a high Mountain bears S. 29° 42' E. 3 mi.  
 "Malvory Peak" a high conical hill, bears N. 45° 30' E. 1 mi.  
 U.S. L. M. N<sup>o</sup> 1623. bears S. 41° 20' E. 114 1/2 ft.

At this corner, at 9 o'clock A.M. Jan. 18<sup>th</sup> I  
 establish the true meridian by solar observation,  
 and run.

S. 58° 10' E.

Va. 13° 44' E.

90 Small ravine bears South.  
 200 low ridge bears South.  
 305 Road to Camp on Rosolind. bears S. 23° W.  
 330 Slim Jim Gulch, a narrow canyon bears S. 20° W.  
 Mouth of Tunnel on this claim. bears N. 24° 50' E. 223 ft.  
 500 Top of ridge ~~to~~ bears North.  
 750 To Mon. South. Side. Center.  
 A pine post 4 ins. square, 4 ft. long. set 12 ins.  
 in ground, on bed rock, in mound of stone  
 4 ft base. 3 ft high, post scribed S.S.C. 1624; Whence.  
 A granite rock, in place, 3 1/2 x 8 ft. 5 ft high, above  
 ground, chiseled X S.S.C. 1624 - B.O. bears S. 61° 13' W. 16 1/2 ft.  
 A porphyry rock, in place, 1 1/2 x 5 ft. 6 ft hi. above ground,  
 chiseled, X - too hard to mark. bears S. 9° 40' E. 56 ft.  
 a prominent land mark.  
 No other bearing objects available.  
 The Corner of location unable to find.

1100 Summit of ridge.

1380 Enter and follow Slim Jim Gulch.

1500 To Cor. N<sup>o</sup> 2.

On side of steep rock, N. side of canyon, where cor. can  
 not be set.

Witness corner to Cor. N<sup>o</sup> 2. bears N. 31° 50' E. 40 ft.

Survey. N<sup>o</sup> 1624. continued.

Feet. Witness corner to Cor. N<sup>o</sup> 2. continued,  
 on easterly boundary line of claim,  
 A pine post. 4 ins. square. 4 ft long. set 18  
 ins. in the ground. in mound of stone 4 ft.  
 diam at base 2 ft hi. post scribed W.C. 2. - 1624.  
 A paloverde 4 ins. diam bears N 62° 36' W. 32 ft.  
 blazed and scribed. W.C. - 2 - 1624 - B.T.  
 no other bearing objects available.  
 The location Cor. a mid. of stone 2' 1/2 ft hi. bears S. 38° 28' E  
 432 ft. Stands on W. slope of ridge S.E. side of Wash.  
 of Shinn pine cañon.

Thence from the true corner.  
 N. 31° 50' E.

Va. 13° 44' E.

- 40 Witness corner to Cor. N<sup>o</sup> 2 - top bluff 25 ft high.
- 180 Summit of flat ridge. bears S. 36° W.
- 300 To Monument at the easterly end center.  
 A pine post 4 ins. square. 4 ft long. set 18 ins.  
 in the ground. in mound of stone. post scribed  
 E.E.C. 1624 - Whence.  
 A paloverde 6 ins. diam. bears S. 65° 20' E. 45 ft.  
 blazed and scribed. E.E.C. 1624 - B.T.  
 No other bearing objects available.  
 The location corner. bears S. 58° 10' E. 375 ft.  
 a mound of stone. 2 1/2 ft base, 1 1/2 ft high. stands  
 in ravine.
- 550 Top. of Ridge bears S. 71° W.
- 600 To Cor. N<sup>o</sup> 3.  
 A pine post. 4 ins square. 4 ft long. set 18 ins. in  
 the ground. in mound of stone. post scribed 3-1624 Whence.  
 No bearing objects available.  
 The corner of the location could not be found.

Thence, N. 58° 10' W.

Va. 13° 44' E.

- 290 Deep ravine bears S. 77° 30' W.
- 500 High Ridge bears S. 41° W.
- 750 To Mon. North Side Center.  
 A pine post. 4 ins square. 4 ft long. set.  
 15 ins. in ground. on bedrock. in mound  
 of stone. post scribed N.S.E. - 1624. whence

Survey N.º 1624, continued.

Feet. North side Cen. continued.

A granite rock, 4x6 ft. 3 1/2 ft above ground  
chiseled, X too hard to make legible figures.  
bears S. 31° 42' W. 129 5 ft.

No other bearing objects available.  
The corner of location could not be found.

880 Deep ravine. bears S. 25° W.

1175 Cross porphyry dike. bears S. 22° 20' E.

1350 across flat Ridge bears S. 34° W.

1500 To Cor. N.º 4.

A pine post 4 ins. square. 4 ft long. Set 12 ins  
in the ground on bedrock in mound of stone. post scribed  
4-1624. - whence.

A granite rock, in place. 4x8 ft. 3 ft hi. above  
ground. Chiseled 4-1624. B.O. bears S. 55° 30' E. 20 3/4 ft.

No other bearing objects available.

The corner of the location bears N. 32° 52' W. 72 3/4 ft.

a mound of stone, 3 ft base. 3 ft hi. stands on  
east side of gulch in ravine.

The ground to north of this line unclaimed.  
Thence S. 31° 50' W.  
Va. 13° 44' E.

180 summit low ridge. bears S. 65° W.

300 To Mon. West End Center.

Identical with the west end center of  
the location.

A pine post. 6 ins. square. 4 ft. long. Set 16 ins  
in the ground, on bedrock, in mound of stone. post  
scribed W.E.C. 1624. whence.

A granite rock, in place. 4x5 ft. 3 ft above ground.  
Chiseled. W. E. C. 1624 - B.O. bears N. 61° 10' E. 107 1/2 ft.

A paloverde. 5 ins. diam. bears N. 7° 40' E. 73 1/2 ft.

blazed and scribed W.E.C. 1624 - B.T.

The mouth of a tunnel. bears N. 68° 45' W. 117 ft.

The discovery shaft of this claim brs. S. 53° 12' E. 146 ft.

420 Ravine bears S. 15° E.

540 Cross Rocky point low ridge. bears east.

600 To Cor. N.º 1. the place of beginning.

Each post in this survey, centered with nail  
at exact corner point. mounds of stone surrounding  
posts. are not less than 3 ft base and 2 ft high.

Area of this claim is 20.66 acres.

Survey No. 1624, continued.

Note -- Each post set for corner in this Survey is centered with a nail at the exact corner point, and the markings are faced toward the claim. The mounds of stone surrounding corner posts are not less than 3 ft diam. at base and 2 ft. hi. and are built of large stone well bedded and laid up.

This claim is located approximately in Township 8 N. Range 4 W. in N.E. <sup>24.5. R.M.</sup> Point on ~~the~~ surveyed land, about 12 miles North East of Wickburg, and 8 miles S. East of Oetow. and lies along Slim Jim Gulch, a narrow canon, at a point about 1 mile west of the crossing of a main graded road and the above gulch.

Expenditure of \$500.

Acertify 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-

- N<sup>o</sup> 1. The incline discovery shaft, which bears from ~~W. End Center~~ S. 53° 12' E. 146 ft.  
A double compartment, timbered shaft. 5 x 10 ft. 37 feet deep. Dip. 75° to north.  
Timbered with sawed pine, and lagged with 2 inch pine plank. Value \$600
- N<sup>o</sup> 2. Open Cut 8 x 15 ft to 10 ft face, in north hill, with drift <sup>4x4-16'</sup> in bottom, located 75 ft S.E. of Shaft No. 1.  
value of cut & Drift. \$250
- N<sup>o</sup> 3. Tunnel at bottom of steep cliff, bears N. 24° 50' E. 223 ft from point on S. side line distant 330 ft. from Cor. No. 1. (not visible from the cor.)  
Tunnel 5 x 6 1/2 ft. bears N. 12° 30' E from mouth. 100 ft. thence N. 48° 30' W - 115 ft. to breast.  
Total length of tunnel 215 ft. value \$1500.
- N<sup>o</sup> 4. Open Cut 6 x 35 ft to 6 ft breast bears N.E. from Center of claim 10 ft distant and runs S. 58° E. value \$100.
- N<sup>o</sup> 5. Shaft located on the center line of claim 840 ft. Amt. \$2450

Shaft No 5 continued.

amt. forward. \$2450.

from the westward. 5x5 ft. 20 ft deep. value. \$150

Total value of improvements, \$2600.

## Instrument.

This survey was made with a Kewley light mountain transit.

Jan. 15<sup>th</sup> at 11:40 P.M. I observed Polaris at western elongation, and established a true meridian. Which I produced to intersect the side lines of claim to check my solar observation. The needle reads  $N. 13^{\circ} 44' E$  for the variation, and at the intersection the angle is  $58^{\circ} 10'$  S.E. for the south side line, the end lines are run at right angles to the side lines.

The distances were measured with a 100 ft. steel tape.

The disagreement between these field notes and the location certificate of this claim with regard to the position of discovery shaft, and the courses and distances of the boundary lines, are due to errors in the latter.

The corners of this survey are all within the boundaries of the location as marked on the ground.

The S.W. cor. was made No. 1, because the S.E. corner, nearest to the M.S. T.M. was in an inaccessible place and was not set.

The Course of the vein in this claim is  $S. 58^{\circ} E.$  as nearly as can be determined, from surface croppings, which extend full length of claim, 1500 ft. This claim is joined by the "Mercury" on the N. "Gold King" on W. "Cacti" South, unsurveyed claims owned by Claimants, and an E. by "Dorva", unsurveyed, owned by Chas. Wilcutt.



Survey. 1624

## Calculations

To establish true meridian, by  
Observation on Polaris, Jan. 15, 1902

Longitude.  $112^{\circ} 30'$  west of Greenwich

Lat.  $N. 34^{\circ}$

Azimuth for  $34^{\circ} = 1^{\circ} 28'$

From Ephemeris, the Western elongation of  
Polaris is at 11:40 P.M. correction less than  $1''$ .

Prior to that hour I set transit over tack point,  
near South side line of claim, with plates at

$0^{\circ}$  and fix crosshairs on the star and at the  
moment it follows crosshairs. I clamp and

turn off  $1^{\circ} 28'$  to east, and set another plate  
with tack point 300 ft distant, for the

true meridian, on which I find the variation  
of the needle to be  $13^{\circ} 44' E$ , and later

produce to intersect the side lines, to check  
the accuracy of Solar observations, and find  
the angle at intersections to be  $N. 58^{\circ} 10' W$ .

and  $S. 58^{\circ} 10' E$ .

To establish the true meridian by Solar  
observations, Jan. 18, 1902 at 9 A.M.,  
my watch set with chronometer.

Declination of Sun is South.

Diff. in time from Greenwich  $7^h 30'$  therefore

$4:30$  A.M. local time = Greenwich Noon.

From Ephemeris, Sun's Decl. is  $S. 20^{\circ} 40' 14''$   
hourly Difference  $30''$ .

$20^{\circ} 40' 14'' - 2' 15''$  for  $4^h 30'$  from  $4:30$  to 9 A.M. =

=  $20^{\circ} 37' 59'' - 2' 00''$  for 3 hr. from 9 to 12 - for  $34^{\circ}$  lat =

=  $20^{\circ} 35' 59''$  for the sun's decl. at 9 o'clock, at  
which I set the decl. arc, and the lat.

arc for  $34^{\circ}$ , and bring the image of the sun  
between the equatorial lines gives the true meridian

from which the S. side line bears  $S. 58^{\circ} 10' E$  -

and from which the north side line bears  $N. 58^{\circ} 10' W$  -

The end lines are run at  $90^{\circ}$  from the side lines.

Area: This claim is an exact rectangle 600 ft  
 $\times 1500$  ft. Hence  $600 \times 1500 = 900000$  sq. ft. =  $20.66$  acres.

Hardest R. Patrick, U.S. Dep. Min. Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Herbert R. Patrick  
 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 G. M. Murphy  
 known as the "Olympia"  
 and showing the respective capacities in which they acted.

John W. Gunnell....., Chainman.  
Walter B. Gunnell....., Chainman.  
John Miller....., Axman.  
D. Herbert Perry....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, John W. Gunnell, Walter B. Gunnell, John Miller  
 and D. Herbert Perry..... do solemnly swear that we assisted Herbert  
R. Patrick....., United States Deputy Mineral Surveyor, in marking the corners and  
 surveying the boundaries of the mining claim of G. M. Murphy.....

....., known as the.....  
"Olympia,"....., 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.....

J. W. Gunnell....., Chainman.  
W. B. Gunnell....., Chainman.  
John Miller....., Axman.  
D. H. Perry....., Flagman.

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

this 21 day of Jan, 1901

W. J. Gilbert  
 Notary Public

My Commission Expires

SEP 17 1903

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Herbert R. Patrick, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Dec. 31st 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 Genevieve M. Murphy, known as the Olympia lode claim, situate in Black Rock Mining District, Yavapai County, Arizona Ter., in Section Aspen, Township No. 8 N, Range No. 4 W (Unsurveyed), and designated as Survey No. 1624, 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 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.

Herbert R. Patrick  
 U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Herbert P. Patrick  
 U. S. Deputy Mineral Surveyor, before me Clerk Third Judicial District Court of Arizona  
 this 6th  
 day of February 1902

W. C. FOSTER,  
 Clerk Third Judicial  
 District Court of Arizona.

By J. B. Street Deputy

Affidavit of Five Hundred Dollars Improvements.

We J. B. Emmell, and John Miller

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the "Olympia" mining claim, situate in Black Rock, Mining District, Yavapai County, Arizona Territory, for which G. M. Murphy

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 her grantor exceed Five Hundred Dollars in value, and further, that we are not personally interested in said mine.

J. B. Emmell  
John Miller

TERRITORY OF ARIZONA, }  
County of Yavapai } ss:

Sworn to and subscribed before me, this 21

day of January, 1902

Gilbert Notary Public

15967b200-10-1900

My Commission expires SEP 17 1903

"OLYMPIA".

NOTICE OF MINING LOCATION.  
Lode Claim.

TO all whom it may concern:

This mining claim, the name of which is the OLYMPIA (abandoned property) 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 G.M. MURPHY the undersigned, on the 2nd day of January 1900.

The length of this claim is fifteen hundred feet, and I claim 135 feet in a North-west direction and 1375 feet in a South easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with Three hundred 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 North-west to the South-east.

The claim is situated and located in the Black Rock Mining District, in Yavapai County, in the Territory of Arizona, about one half mile in a westerly direction from Mahona, Peak.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a N.W. direction 135 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 300 feet to a monument of stone being the N.E. corner of said claim; thence 750 feet to a monument of stone at the center of the East side line of said claim; thence 750 feet to a monument of stone being at the S.E. corner of said claim; thence 500 feet to a monument of stone at the center of the S.E. end of said claim; thence 300 feet to a monument of stone, being at the S.W. corner of said claim; thence 750 feet to a monument of stone being at the center of the west side line of said claim; thence 750 feet to a monument of stone at the S.W. corner of said claim; thence 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 Concerning Mines", approved March 20th, 1895, and amended March 2d, 1899.

Dated and posted on the ground this 2nd day of January, 1900.

G.M. Murphy.

Filed and recorded at request of J.K. Murphy, Feb. 25<sup>th</sup> A.D. 1900, at 9 o'clock a.m., Book 53 of Mines, page 269, Records of Yavapai County, Arizona.

By P.J. Farley, County Recorder. (Seal) W.I. Johnson, County Recorder.

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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 "OLYMPIA" mining claim, as the same appears of record in Book 53 of Mines, page 269, records of Yavapai County, Arizona.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, this 24<sup>th</sup> day of December, A.D. 1901.

  
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,

*Cheney Arizona*

*May 5<sup>th</sup>*, 1902

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 *G. M. Murphy*,

known as the

*"Olympia"*

situate in *Black Rock* mining district,

*Yavapai* County, *Arizona*,

in Section *46<sup>th</sup>*, Township No. *8 N.*, Range No. *4 W. (unsurveyed)*

, designated as Survey No. *1624*

executed by *Robert P. Patrick*, U. S. Deputy Mineral

Surveyor, *Jan. 8<sup>th</sup> - 20<sup>th</sup> 1902*, ~~1901~~, under my instructions dated

*Dec. 3<sup>rd</sup>*, 1901, have been critically examined and the

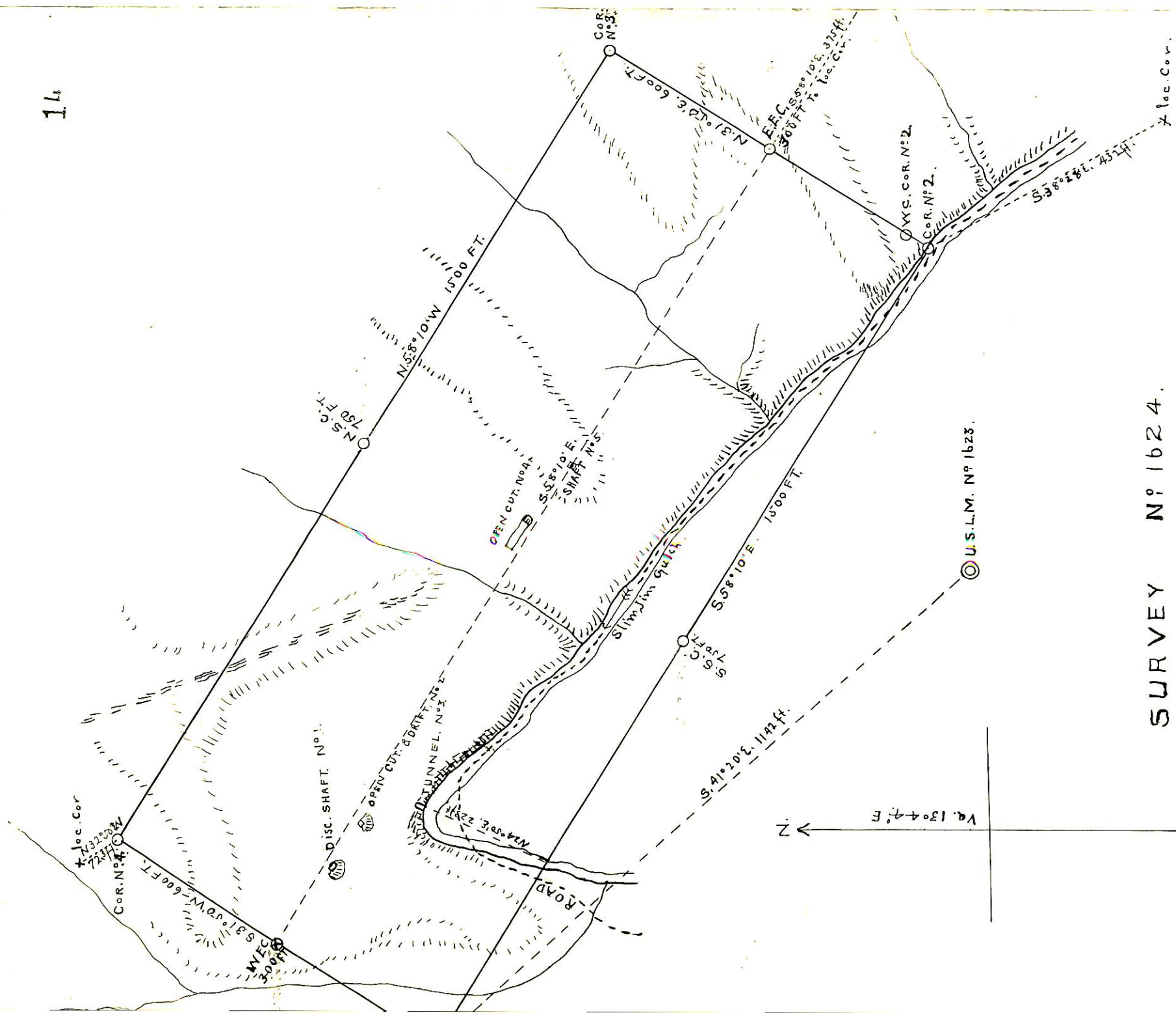
necessary corrections and explanations made, and the said Field Notes and Return, and

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 O. Price*

U. S. Surveyor General for *Arizona*



SURVEY N° 1624.

LAND DISTRICT.

Surveyed January 18-20-1902.

by Herbert R. Patrick

U.S. Dep. Min. Surveyor.

SCALE 200 FT TO 1 IN.