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Examined
G. G. [unclear]

(4-683.)

Mineral Survey No. 1984

Lot No. _____

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Edward E. Dravo

KNOWN AS THE

Catherine Lodge

above creek

Mining District,

Maricopa County, Arizona

Section approx, Township 7 N, Range S.E. (unsurveyed)

Surveyed under instructions dated Sept. 13th, 1904

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

Claim located February 15th, 1877

Survey commenced September 27th, 1904.

Survey completed " 28th, 1904.

o 3-160

Address of claimant.

Governors Island, New York.
N. Y.

Area O.K.
10/11/04.

Address
A. J. Edwards, Atty
Phoenix, Arizona

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, William L. McKay and John W. Lewis,
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 Edward E. Dravo -

known as the "Catherine" Lode Claim
situate in Leave Creek mining district
Maricopa County, Arizona
in Section approx, Township No. 7N, Range No. T. 6. (unsurveyed)

William L. McKay, Chairman.
John W. Lewis, Chairman.

Subscribed and sworn to by the above-named persons before me this 26th day of September, 1904.

Edward P. McCrawick
Justice of the Peace of
Cave Creek Precinct & Murray District

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 _____, 1904.

I, Louis Dugas, 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 Edward E. Dravo -

known as the "Catherine" Lode Claim
more fully described in the preceding affidavit.

Louis Dugas, Flagman.

Subscribed and sworn to by the said Louis Dugas
before me this 26th day of September, 1904.

Edward P. McCrawick
Justice of the Peace of
Cave Creek Precinct & Murray District

Survey No. 1984.

Catherine Lode.

Beginning at corner No. 1.

The South East corner of the Claim.

A redwood post 4x4 ins. x 4 ft. long. set 18 ins. in the ground, in a mound of stone 4 ft. diam at base 3 ft. hi and scribed 1984-C-1.

A "+" on face of vertical rock reef 10 ft. hi. x 12 ft long. chiseled 1984-C-1-BR.

Whence.

bears. N. 62° 10' E. 25.3 ft.

No other bearing objects available.

The location monument could not be found.

Stands on south bank of wash in deep gulch .50 ft wide. Course West.

U.S. Location Monument No 1131 on Gold Hill bears. N. 66° 30' E. 4183 ft.

Gold Hill, highest point, distant about 1 mile. bears. N. 61° 50' E.

722 ft.

Thence. N. 39° 08' W.

Var. ~~N~~ 13° 56' E.

1120 Center of Wash. Rowe Cañon. 25 ft wide. Course. S. 73° 30' W.

1225 point opposite. 24 ft South. of S.W. cor. Small frame Mill. building.

1500. To Cor. No 2.

Identical with cor. of location

on summit of ridge.

Course. S. 35° W.

A redwood post 4x4 ins. x 4 ft long. set 18 ins. into ground in a mound of stone 3 1/2 ft. diam. at base 2 1/2 ft. hi and scribed 1984-C-2. No bearing objects available.

At this corner I observed the sun. and established a true meridian at 10. o'clock am. from which side and end lines were deflected.

~~for calculations see page 6~~

Thence. S. 48° 24' W.

Var. ~~N~~ 13° 56' E.

270. Center Wash. 40 ft wide. Rowe Cañon. from N. 82° 30' E. Turn to S. 45° W.

299. The Monument at the north end center.

A pine post 4x4 ins square 4 ft. long. set 18 ins. in ground in a mound of stone 4 ft. diam at base 3 ft. high.

A + on growing stump of hard tree. 9 ins. diam. 3 ft long. inclined to north. marked. + 1984-C-N.E.C.

bears. S. 38° 46' E. 7 1/2 ft.

No other bearing object available.

The South End Center monument of "Rich Hill" lode unsurveyed claimed as an extension of Catherine lode. bears. N. 39° 08' W. 129 ft.

Note. this is not fully identified as being the orig. loca.

monument of Catherine lode. which may have been destroyed by change of channel in Rowe Cañon.

This North End center monument stands at base of steep hill. on east side of Wash. Rowe Cañon.

Survey No 1984. - leatherin lude

724 ft. North and line continued.
 599 To Cor. No 3.
 Falls in Wash where it is impossible to establish a permanent Corner.
 The loca Cor. bears. S. 48° 24' W. 142 ft
 Mouth of Tunnel bears. S. 83° 36' E. 76 ft
 Witness Corner. to Cor. No 3 - on line 34. bears. S. 39° 08' E. 40 ft
 A redwood post. 4x4 ins. square. 4 ft long. set 18 ins in the ground in a mound of stone 3 1/2 ft. diam at base. 2 1/2 ft. high. and scribed. 1984-C-W.C-3. Whence
 A Laurel Tree. 3 1/2 in. diam. ^{blazed and} Marked. 1984-C-W.C.3.B.T. bears. S 13° 00' E 49 ft
 No other bearing object available.

Thence, from the true Corner. S. 39° 08' E.
 1500 To Cor. No 4. Var. N. 13° 56' E.
 A pine post 4x4 ins. square x 4 ft. long. set 12 ins in the ground on bedrock, in a mound of stone 3 ft. diam at base. 2 1/2 ft. high. and scribed. 1984-C-4. - whence.
 A Paloverde 3 in. diam. ^{blazed and} Marked. 1984-C-4-B.T. bears. N. 3° 48' W. 47 ft
 The loca. monument bears. S 28° 27' E. 22 ft
 No other bearing objects available.

Thence. N. 48° 24' E.
 Var. N. 13° 56' E.

300. The monument at the South End Center.
 A redwood post 4x4 ins. square. 4 ft. long. set 18 ins. in the ground. in a mound of stone 4 ft diam. at base. 3 ft. high. and scribed 1984-C-S.E.C. Whence
 A Cedar. 6 ins. diam. } ~~each~~ blazed and scribed bears. S. 72° 20' W 120 ft
 A Cedar. 10 ins. diam. } 1984-C-S.E.C-B.T. bears. S. 78° 00' E. 20 ft
 loca. monument bears. S. 27° 25' E. 39 ft

599 To Cor. No. 1. The place of beginning.
 containing. 20,067+ Acres. ~~Survey~~

Area.

Lodge.

Location.

The presumed course of the vein is from the South and enters to the north end center. 1500 feet.

This claim is located on unsurveyed land in the West Central part of Township. 7 North. Range 5 East. as nearly as can be ascertained.

Missing

Page

Calculations for Observations.

Observed the sun. Sept. 27-1904 at Cor. No. 2,

Diff. in time for $112^{\circ} 30' W.$ Long. $7^{\text{hr}} 30^{\text{min}}$.

At noon Greenwich time 4 30 a.m. here,

From Ephemeris, Sun's decl. = $S. 1^{\circ} 33' 44.60''$ S. $1^{\circ} 33' 44.60''$

Hourly diff - $58.46''$ $5\frac{1}{2}$ hours diff - $+ 0^{\text{hr}} 25' - 21.52''$

Sun's decl. for 10 a.m. $1^{\circ} 39' 06.13''$

Less refraction for 2 hr. $46''$

True decl. $1^{\circ} 38' 20.13''$

On Sept. 27th. Observed Polaris, at Eastern Elongation, between $6^{\text{hr}} 55$ and $7^{\text{hr}} 15$ P.M. and when the star bore the vert. height, I clamped, and set of the azimuth $10^{\circ} 27'$ to the west, for $34^{\circ} N. lat.$ For the true meridian, from which I turn the corners of boundary lines to check solar observations.

The reading of the needle on this meridian gave the Variation $N. 13^{\circ} 56'$ East, at 7 o'clock A.M.

The Preliminary matter, Final affidavits, and Affidavit of \$500. improvements were taken before a justice of the Peace because there was no Notary within 40 miles of the location and therefore could not be reached without great delay and expense, and I am informed that the Statutes of this Territory provide for justice of the Peace performing this function.

H. R. Patrick

U.S. Deputy Mineral 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

Edward E. Dravo
known as the "Catherine" Lode Claim

and showing the respective capacities in which they acted.

John W. Lewis, Chairman.

William L. McKay, Chairman.

....., Axman.

Louis Dugas, Flagman.

FINAL OATHS OF ASSISTANTS.

We, John W. Lewis, William L. McKay

and Louis Dugas, 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 Edward E. Dravo

known as the "Catherine" Lode Claim

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

John W. Lewis, Chairman.

W. L. McKay, Chairman.

....., Axman.

Louis Dugas, Flagman.

Subscribed and sworn to by the above-named persons before me this 30th

day of September, 1904.

Edward P. McCormick

Judge of the Peace
For Coconino Mining District and
Precinct

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 September 13th 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 Edward E. Davis, known as the "Catherine" Lode, situate in Cave Creek Mining District, Maricopa County, Arizona, in Section approx Township No. 7 N., Range No. S. E. (unsurveyed) and designated as Survey No. 1984, 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 his 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 R. Patrick
U. S. Deputy Mineral Surveyor, before me Elias J. Druley Clerk
Dist. of 3^d District of Maricopa Co this 10th
day of October 1904.

Elias J. Druley

Affidavit of Five Hundred Dollars Improvements.

We, John W. Lewis, and William L. McKay,

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the "batteries" lode, mining claim, situate in Loane Creek, Mining district, Maricopa County, Arizona Territory, for which Edward E. Dravo.

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

John W. Lewis
Wm. L. McKay

TERRITORY OF ARIZONA, }
County of Maricopa } ss:

Sworn to and subscribed before me, this 30th day

day of September, 1904.



Edward P. McCannick
Justice of the Peace, Cave Creek
Precinct and District

Notice of Location of the Lathrum ledge
 or vein, containing gold and silver, located
 on a gold quartz lode. The under-
 signed claim, for mining purposes
 fifteen hundred (1500) feet of this
 quartz ledge in length along the
 ledge for vein and three hundred
 (300) feet on each side of the middle
 of the vein at the surface together
 with all the dips. Spores & angles of all
 valuable mineral deposits contained
 therein and all timber growing within
 the camp of said claim and all water
 and water privileges thereon or ap-
 pertenant thereto, under and accord-
 ing to the provisions of an "act of con-
 gress approved May 10th 1872 entitled
 an Act to promote the development
 of the mining resources of the United
 States" said claim commences at
 the north which is posted in a
 monument of stone in a conspicuous
 place on the ledge in the center
 of the claim and running in a
 southeasterly direction seven hundred
 and fifty (750) feet to a monument
 marked "S. end of claim" thence
 in a south westerly direction three
 hundred (300) feet to a monument
 marked "N. W. Corner of claim" thence
 in a north westerly direction
 fifteen hundred (1500) feet to a monu-
 ment marked "N. E. Corner of claim"
 thence in a north easterly direction

Three hundred (300) feet to a monument marked N end of Claim fence
 three in the same direction three hundred (300) feet to a monument marked
 N E corner of claim, thence in south
 easterly direction fifteen hundred (1500)
 feet to a monument marked S E corner
 of claim, thence in a south
 westerly direction three hundred (300)
 feet to a monument marked S end
 of claim center. The claim may be more
 generally described as situated about
 one (1) mile south west of "Gold Hill" in
 Cave Creek District, Maricopa County, Arizona,
 its writers and shall be known as the
 Catherine Higgins Claim. Dated on the
 ground February 15th 1877.

C. M. Kendall
 Edward Navarro
 J. A. Swan
 Wm Sheridan
 E. C. Eyster
 E. J. Lewis

Recorded at request of Edward Navarro.

TERRITORY OF ARIZONA, } ss.
 County of Maricopa.

I, B. F. McFALL, County Recorder in and for the County and Territory aforesaid, 12
 hereby certify that I have compared the foregoing copy with the record of a mining
 location, the CATHERINE
 filed and recorded in my office on the 17th day of Feb'y 1877 ~~1877~~, in Book
 No. 1 of Mines, at Page 95, and that the same is a full, true and correct
 copy of such record and of the whole thereof.

Witness my hand and seal of office, this 4th day of August 1904.

B. F. McFall
 County Recorder.
 By A. S. Arthur
 Deputy.

three hundred (300) feet to a monument marked N end of claim center
 three in the same direction three hundred (300) feet to a monument marked
 N E corner of claim, three in South
 eastern direction fifteen hundred (1500)
 feet to a monument marked S E corner
 of claim, three in a south
 western direction three hundred (300)
 feet to a monument marked S end
 of claim center. The claim may be more
 generally described as situated about
 one (1) mile southwest of "Gold Hill" in
 Cave Creek district, Maricopa County, Arizona,
 written and shall be known as the
 Catherine Adams Claim. Dated on the
 ground February 15th 1877.

C. W. Kendall.

Edw. C. Bravo.

J. A. Swan.

Wm. Sheridan

E. C. Eyster

E. A. Lewis

Recorded at request of Edw. C. Bravo.
 February 17th AD 1877 at the hour of
 2.20 P.M.

W. F. McTully.

Recorder.

Mining Claims - No. 1.
 Pages 95-96.

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.

Oct. 29th, 1904

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 Edward E. Dravo,

known as the Catherine lode,

situate in Cave Creek, Mining District, Maricopa, County, Arizona.

in Section approx., Township No. 7 N., Range No. 5 E.

designated as Survey No. 1984.

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

Surveyor, Sept. 27th to 28th 1904, 190, under my instructions dated

Sept. 13th 1904, 190, have been critically examined and the necessary cor-

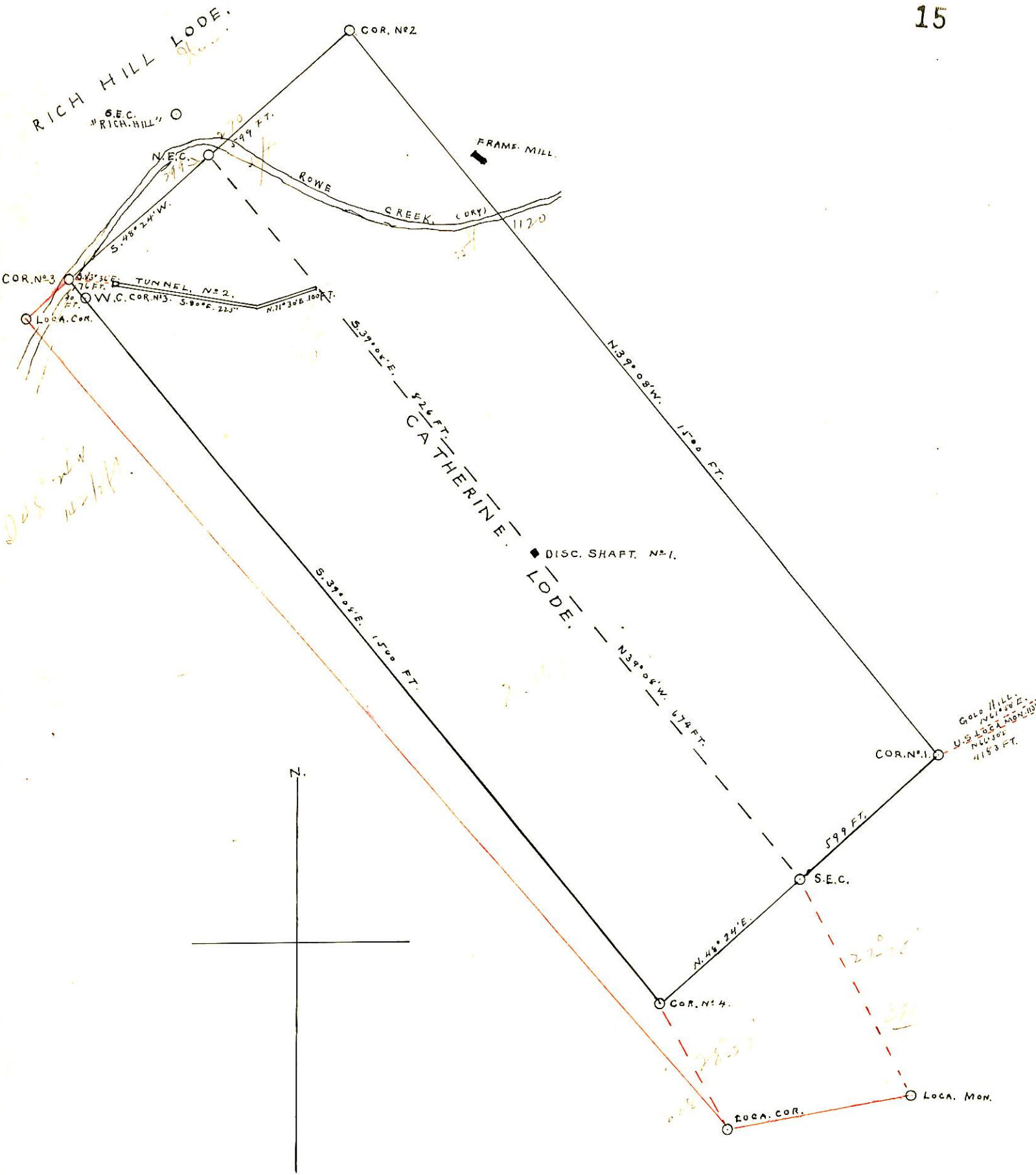
rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

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 S. Ingalls

U. S. Surveyor-General for Arizona.



SURVEY N° 1984.
 CATHERINE LODE,
 LAND DISTRICT,
 Surveyed Sept. 27-28th 1904.
 by Herbert R. Patrick
 U.S. Deputy Min. Surveyor.

SCALE, 200 FT. TO 1 IN.