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SEP 23 1904  
Franklin W. Smith  
U.S.G.

(4-683.)

Mineral Survey No. 1981

Lot No.

Gila Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Jos. M. Muhlein

KNOWN AS THE

OPHIR

Warren Mining District,

Cochise County, Arizona

Section APPROX., Township 23 S., Range 24 E. (Unsur)

Surveyed under instructions dated Aug. 20, 1904

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

Claim located January 1, 1893.

Survey commenced Sept. 1, 1904.

Survey completed Sept. 2, 1904.

o 6-100

Post Office address, of Claimant:-

Bisbee, Cochise County, Arizona.

James [unclear]  
Lear check with 1910-1901

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Hugh Millington and Frank Rafath, 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 Jos. M. Muheim

known as the Ophir situate in Warren mining district Cochise County, Arizona in ~~Section~~ APPROX. Township No. 23 S. Range No. 24 E. (Unsur.)

Hugh Millington, Chairman.  
Frank Rafath, Chairman.

Subscribed and sworn to by the above-named persons before me this 31st day of August, 1904

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

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\_\_\_\_

OPHIR.

Feet

*Alt. N. 21° 01' E. 330 ft. from cor. No. 1 x Cotton Tail*

Beginning at Cor. No. 1, the NW. cor., identical with Cor. <sup>no</sup> 3 York State lode, Survey No. 1628 and Cor. No 6 Buzzard lode, Survey No. 1910, a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 1-1981 O.L., whence a pine post of same dimensions and scribed W. C. 1-1981 brs. N. 61° 18' E. 50 ft., and a second pine post of same dimensions and scribed <sup>ing</sup> brs. S. 61° 18' W. 50 ft., and U S M. M. No. 4 brs. N. 25° 10' W. 4045.4 ft. and original location for NW. cor. brs. N. 45° 14' W. 245 ft. *Cor. No. 7 York State lode brs. S. 34° 38' W. 424.3 ft.*  
Thence S. 45° 14' E.

291.4 along line 6-5 Buzzard lode, Survey No. 1910 to Cors. 5 and 1 respectively Buzzard and Cotton Tail lodes, Survey No. 1910, *A pine post 4 ft. long 4 in square set 1 ft in the ground in a mound of stones and scribed 5-6-1910. B-CFL*

639.1 to Cor. No. 2, a pine post 4 ft. long 4 ins. sq. set 1 ft. in the ground in a mound of stones and scribed 2-1981 O.L, whence a pine post of same dimensions and scribed W. C. 2-1981 brs. N. 45° 14' E. 50 ft., and a second pine post of same dimensions and scribing brs. S. 45° 14' W. 50 ft. and original location for NE cor. brs. S. 45° 14' E. 20 ft.

Thence S. 14° 20' W.

155.0 to Cor. No. 3, on line 8-9 Cotton Tail lode, Survey No. 1910 at S. 75° 06' E. 338.3 ft. From Cor. No. 9 thereof, a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 3-1981 O.L., whence a pine post of same dimensions and scribed W. C. 3-1981 brs. N. 14° 20' E. 25. ft., and a second pine post of same dimensions and scribing brs. S. 14° 34' W 25 ft.

Thence S. 14° 34' W.

32.8 to original location for E. end center,  
332.8 same bearing to Cor. No. 4, identical with location and with Cor. No. 3 Come by Chance lode, Survey No. 1643 a pine post 4 ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 4-1981 O L., whence a ~~second~~ pine post of same dimensions and scribed W. C.

*Said Cor. No. 9 being a pine post 4 ft long 4 in square set 1 ft in the ground in a mound of stones and scribed 9-1910 O.L.*

Feet.

OPHIR (Con)

4-1981 brs. N. 14° 34' E. 50 ft., and a second pine post of same dimensions and scribing brs. S. 14° 34' W. 50 ft.,

Thence N. 52° 44' W.

821.0 to Cor. No. 5 identical with original location for S.W. cor and with Cor.No.2 Come by Chance lode, Survey No 1643 and Cor.No.6 John Daisy lode, Survey No.1901, a pine post 4ft. long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 5-1981 O.L., whence a pine post of same dimensions and scribed W. C. 5-1981 brs. S. 14° 34' W. 50 ft., and a second pine post of same dimensions and scribing brs. N. 14° 34' E. 50 ft.,

*Cor. No. 5 John Daisy brs N. 36° 48' E. 110.8 ft.*

Thence N. 14° 34' E.

98.5 to the intersection of line 4-5 John Daisy lode, Survey No. 1901 and 1-2 York State lode, Survey No.1628 at

N. 70° 57' W. 59 ft., from Cors. No.5 and 2 respectively, same bearing

300.0 to Cor. No. 6, identical with original location for W. end center, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stone and scribed 6-1981 O.L. whence a pine post of same dimensions and scribed W. C. 6-1981 brs. S. 14° 34' W. 50 ft., and a second pine post of same dimensions and scribing brs. N. 61° 18' E. 50 ft.

Thence N. 61° 18' E.

280.75 to Cor. No 1 the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the W end center of location S. 52° 44' E. 821 ft. to the E. end center of location.

AREA.

Total area Ophir lode,	✓ 8.321
Less conflict with John Daisy lode Survey No.1901,	✓ .067
Less conflict with York State lode, Survey No. 1628,	✓ .750
	✓ .817
Net area Ophir lode,	8.004

*said cor. being a pine post 4 ft long 4 in square set 1 ft in the ground in a mound of stones and scribed 5-1981 O.L. 2-1628 Y.S.L.*

Ophir )Con(

## Improvements.

I certify that the value of the labor and improvements on this claim placed thereon by claimant or his grantors is as follows:

No. 1	Discovery shaft 4x6x10 ft. deep brs. from Cor. No. 2 No. 76° 44' W. 258. 0 ft. Value	\$100.00
No. 2	Shaft 4x13x10 ft. deep brs from Cor. No. 5 S 80° 04' E. 345 ft., Value,	200.00
No. 3	Open Cut 6x17x10 ft. brs. from Cor. No. 5 S. 77° 16' E. 330 ft., Value,	100.00
No. 4	Shaft 4x6x10 ft. deep brs. from same point S. 66° 02' E. 321 ft., Value	<u>100.00</u>
	Total improvements Ophir lode,	\$500.00

## ADJOINING CLAIMS

North Buzzard and Cotton Tail lodes, Survey No. 1910, Maurice Denn et al owners,

East Cotton Tail lode, Survey No. 1910, same owners.  
and Protection lode, unsurveyed.

South Come by Chance lode, Survey No. 1643, L. C. Shattuck et al owners

West John Daisy, Survey No. 1901, L. C. Shattuck, owner.  
York State, Survey No. 1628, Maurice Denn, owner.

## LOCATION.

This claim is located about 1½ mi. in an E. 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  $12^{\circ} 30' E.$

*Franklin W. Smith*

U. S. Dep. Mineral Surveyor.

Bisbee, Arizona,

September 10, 1904.

*Note: Any discrepancies between the connecting lines of this survey and those of adjoining surveys are due to errors in the old surveys.*

# 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 Jos. M. Muheim  
 known as the Ophir  
 and showing the respective capacities in which they acted.

- Hugh Millington ..... , *Chairman.*
- Frank Rafoth ..... , *Chairman.*
- ..... , *Arman.*
- ..... , *Flagman.*

## FINAL OATHS OF ASSISTANTS.

We, Hugh Millington  
 and Frank Rafoth ..... , 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 Jos. M. Muheim  
 ..... , known as the Ophir  
 ..... , 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.

Hugh Millington ..... *Chairman.*  
Frank Rafoth ..... *Chairman.*  
 ..... , *Arman .*  
 ..... , *Flagman.*

Subscribed and sworn to by the above-named persons before me  
 this 3rd day of September , 1 904.

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



## 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 U. S. Surveyor General for Arizona, dated Aug. 20, 1904, I have in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of the said Surveyor General, faithfully and correctly executed the survey of the mining claim of Jos. M. Muheim known as the Ophir, situate in Warren Mining District, Cochise County, Arizona, approximately in T. 23 S, R. 24 E. (Unsurveyed) G. & S. R. B. & M. and designated as Survey No. 1921, 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 ~~XXXX~~ 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 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 and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor and 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 3rd day of September, 1904.

*Coro E. Smith*

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

Affidavit of Five Hundred Dollars Improvements.

We, Hugh Millington, and Frank Rafath

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Ophir mining claim, situate in Maricopa Mining district, Cochise County, Arizona Territory, for which Joe M. Muhler

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.

Hugh Millington  
Frank Rafath

TERRITORY OF ARIZONA, }  
County of Cochise } ss:

Sworn to and subscribed before me, this 3rd

day of September, 1904

Corral Smith



## LOCATION NOTICE.

NOTICE IS HEREBY GIVEN that the undersigned, in compliance with the requirements of the mining Act of Congress, approved May 10, 1872, have this day located and claim 1000 hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and 300 feet in width on each side of the middle of said lead, lode or vein, situate in the Mule Pass Warren Mining District, County of Cochise, Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones, being the center of the West end of claim, and upon which this notice is posted; thence Southerly 300 feet to a monument of stones; thence Easterly 1000 feet to a monument of stones; thence Northerly 300 feet to a monument of stones; being the center of the Easterly end of claim; thence Northerly 300 feet to a monument of stones; thence Westerly 1000 feet to a monument of stones; thence southerly 300 feet to place of beginning.

This claim was formerly called the Ella Maud, and owned by John J. Creamer and G. W. Wagner, situated one and one-fourth miles East of Bisbee in Mule Pass, Warren Mining Di. Arizona, re-located on account of owners not doing assessment work for 1892. Said claim is bounded on the south side by the Erie Cattle Co. East end line by the Grave Yard and on the West end by the John Daisy mine owned by M. O. Ritey, and shall be known as the Ophir Mine.

Located Jan. 1st 1893.

Joseph Muhelm

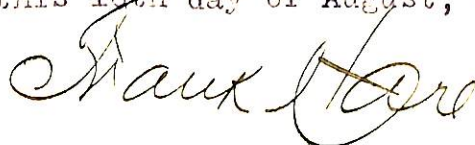
Filed and recorded at request of Joseph Muhelm January 4 A. D. 1893 at 1:40 P. M. Book 12, Record of Mines, page 548.

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 Ophir Mining Claim, filed and recorded in my office on the 4th day of January, 1893, in Book 12, Record of Mines, at page 548, and that the same is a full, true and correct copy of such original, and of the whole thereof.

Witness my hand and official seal this 18th day of August, 1904.



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.

*Oct. 17*, 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..... Jos. M. Muhaim,.....

....., known as the  
Ophir,

situate in..... Warren..... Mining District,  
Cochise,..... County,..... Arizona.....

in Section..... approx....., Township No..... 23 S....., Range No..... 24 E.....  
....., designated as Survey No. 1981

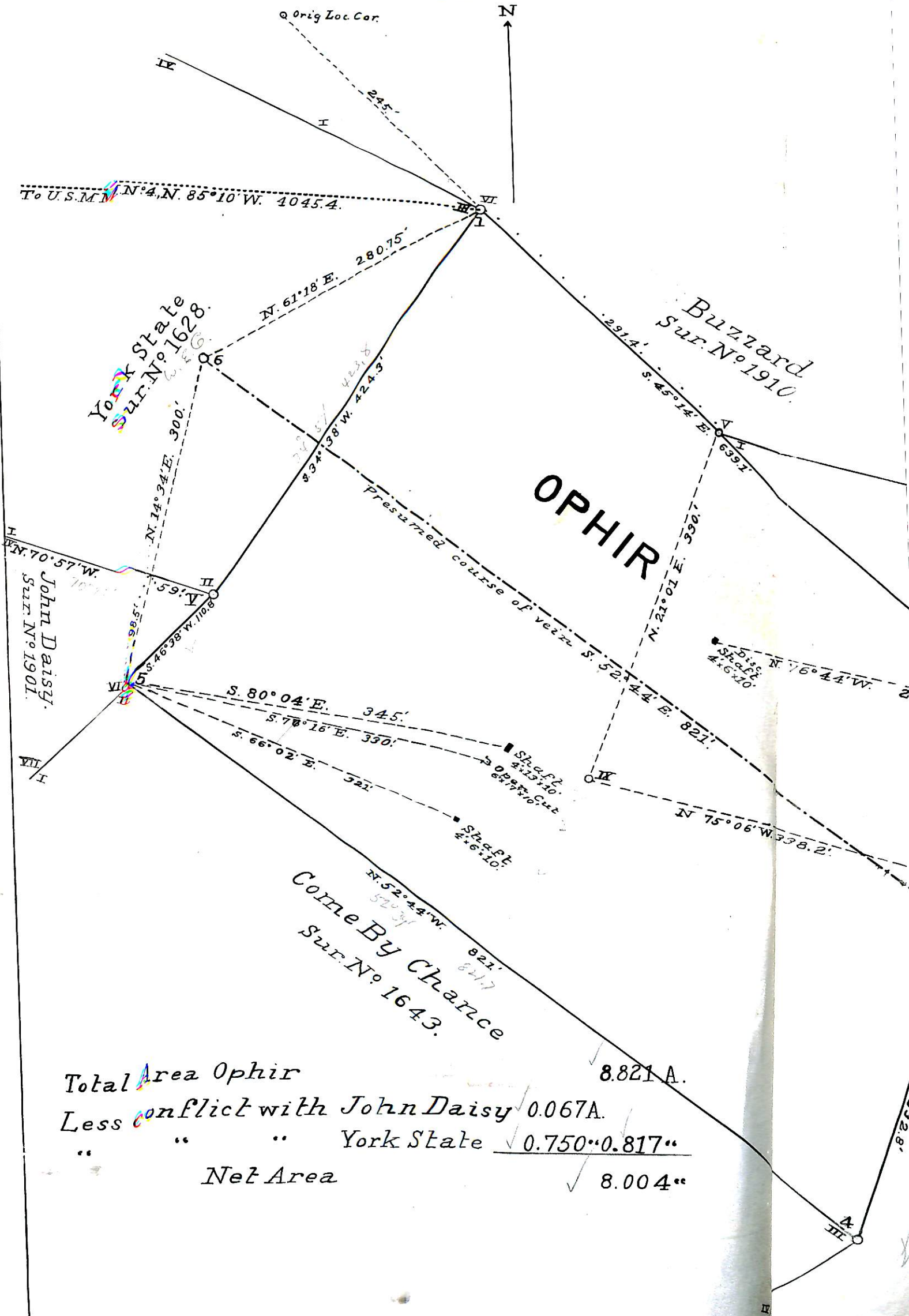
executed by..... Franklin W. Smith,....., U. S. Deputy Mineral  
Surveyor,..... Sept. 1 to 2, 1904....., 190....., under my instructions dated  
..... Aug. 20, 1904....., 190....., have been critically examined and the necessary cor-  
rections and explanations made, and the said Field Notes and Return, 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 J. Ingalls*

U. S. Surveyor-General for..... Arizona.....

# SURVEY N° 1981

Scale: 100 ft = lin.





Cottontail  
SUR. No 1910.

Buzzard  
SUR. No 1910.

OPHIR

Come By Chance  
SUR. No 1643.

Protection  
un sur.

Ophir 8.821A.  
 Ophir with John Daisy 0.067A.  
 " York State 0.750\*0.817"  
 Net Area 8.004"

S. 85° 10' W. 4045.4.

N. 61° 18' E. 280.75.

N. 21° 01' E. 390.1

S. 34° 38' W. 424.5

S. 52° 44' W. 821.

S. 78° 16' E. 330.

S. 66° 02' E. 322.

S. 80° 04' E. 345.

S. 76° 44' W. 258.

S. 14° 20' W. 155.

S. 14° 34' W. 392.8

N. 75° 06' W. 398.2

N. 52° 44' W. 821.

S. 21° 14' E. 639.7

S. 21° 14' E. 821.

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