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*Copied by  
Court 11/29/04*

NOV 28 1904  
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MINERAL SURVEY NO. 1997.

Lot No. ....

*Pl. Title*

Old Land District.

F I E L D N O T E S

OF THE SURVEY OF THE MINING CLAIM OF

S. WOOD GRIER,

known as the RIO TINTO

situate in Warren Mining District, Cochise County, Arizona.

Section approximately Township 23 S., Range 24 E.G. & S.R.B&M,

unsurveyed.

Surveyed under instructions dated October 7th, 1904.

by FRANKLIN W. SMITH,

U.S. Deputy Mineral Surveyor.

Claim located see location notices.

Survey commenced November 4th, 1904.

Survey completed November 10th, 1904.

Post office address of claimant

Bisbee, Cochise County, Arizona.

*Quas E.K.  
11/30/04*

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Frank Rabath and Fred Hauenstein

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 \_\_\_\_\_

known as the S. Hood Greer  
Rio Tinto

situate in Hannan mining district

Cochise County, Arizona

in Section approx, Township No. 238, Range No. 21 E

Frank Rabath, Chairman.

Fred Hauenstein, Chairman.

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

1<sup>st</sup> day of November, 1908

[Signature]

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\_\_\_\_



Feet

Survey No.1997.

Beginning at <sup>C</sup>Cor.No.1, the SW cor identical with location and with Cors.No.1 and 6 respectively of Jocker lode, Survey No. 1527 and Cumberland lode Survey No.862, and on line 1-2<sup>George</sup> Washington lode, Survey No.1119 a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 1-1997 R. T. L., whence a pine post of same dimensions and scribed <sup>W.C.</sup> 1-1997 brs.N.43°14'W.25 ft., and a second pine post of same dimensions and scribing brs.S.43° 14' E. 25 ft., and U.S.M.M.No.4 Warren Mining District brs S.88° 14' W. 2193.4 ft.,

Thence N. 46° 45' E.

10.0 to Cor.No.2 the NW cor identical with original location for N.end center, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 2-1997 R.T.L., whence a pine post of same dimensions and scribed W. C. 2-1997 brs. S. 47° 50' E. 25 ft. and a second pine post of same dimensions and scribing brs. N. 47° 50' W. 25 ft. and original location for NW cor brs.N.46° 45' E. 15 ft.

Thence S. 47° 50' E.

599.8 to Cor.No.3, identical with Cor.No.2 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 3-1997 R T L., whence a pine post of same dimensions and scribed W. C. 3-1997 brs. S. 47° 50' E. 599.8 ft and a second pine post of same dimensions and scribing brs. N. 47° 50' W. 25 ft., and Cor.No.1 identical with Cor.No.1 Jocker lode, Survey No.1527 brs. N. 48° 47' W. 600.7 ft.

Thence N. 34° 41' E.

32.9 along line 2-3 Jocker lode, Survey No.1527 to Cor.No 4 identical with Cor.No.1 York State lode, Survey No 1628 a pine post 4 ft long 4 ins. sq set 1 ft in the ground in a mound of stones and scribed 4-1997 R T L whence a pine post of same dimensions and scribed

RIO TINTO  
Survey No.1997 (Con)

Feet

4-1997 W.C. brs.S.70° 57' E. 25 ft. and a second pine <sup>post</sup> of same dimensions and scribing brs. N. 70° 57' W. 25 ft., thence

Thence S. 70° 57' E.

243.7 along line 1-2 York State lode, Survey No.1628 to Cor No 5 the NE cor, identical with location and with Cor No.4 John Daisy lode, Survey No.1901, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 5-1997 R T L, whence a pine post of same dimensions and scribed W. C. 5-1997 brs. N 46° 45' E. 25 ft., and a second pine post of same dimensions and scribing brs. S. 46° 45' W. 25 ft

Thence S. 46° 45' W.

193.6 along line 4-5 John Daisy lode, Survey No.1901 to original location for S end center,

203.6 same bearing to Cor.No.6. the SE cor., identical with location, with Cor.No.3 John Daisy lode, Survey No. 1901, and on line 5-6 Cumberland lode, Survey No. 862, a pine post 4 ft long 4 ins. sq. set 1 ft in the ground in a mound of stones and scribed 6-1997 R.T.L., whence a pine post of same dimensions and scribed 6-1997 W.C. brs. N. 46° 45' E. 25 ft., and a second pine post of same dimensions and scribing brs. S. 46° 45' W. 25 ft.

Thence N. 43° 14' W.

306.8 along line 5-6 Cumberland lode, Survey No.862 to Cor No.1 the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the N. end center of location S. 43° 14' E.

306.8 ft.

AREA.

Total area Rio Tinto 1.184 acres ✓

Less area in conflict with Jocker lode

Survey No.1527, 0.069 ✓

Net area Rio Tinto lode. 1.115 acres ✓



RIO TINTO  
Survey No. 1997 (Con)

ADJOINING CLAIMS.

North	Jocker lode Survey No. 1527, John M. Johnson, owner. York State lode, No. 1628, Maurice Denn owner.
East	John Daisy lode, Survey No. 1901, L.C. Shattuck, owner.
South	Cumberland lode, No. 862 Copper Queen Con. Min. Co. owner
West	George. Washington, Survey No. 1119, Calumet & Arizona Min. Co. owner.

LOCATION.

This claim is located about  $\frac{1}{4}$  mi. in a SE 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.

IMPROVEMENTS.

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

No. 1	Discovery shaft 4x6x10 ft. brs. from Cor. No. 4 S. 16° 30' W. 20 ft., Value	\$100.00
No. 2	Shaft 6x6x4 ft. brs from same point S. 26° E. 45 ft. Value	50.00
No. 3	Shaft 4x6x20 ft. brs from same point S. 58° W 50 ft., Value	<u>200.00</u>
	Total improvements Rio Tinto lode	\$350.00

Note Complete affidavit of \$500 improvements will be furnished before the expiration of publication.

INSURANCE

This survey was made on Delta Mountain and  
adjoining land. The amount of land surveyed was  
determined by actual measurement of an  
area of 100 acres. The distance between the  
points was 1000 feet.

Surveyed on 12<sup>th</sup> Nov 1901.

*Franklin W Smith*

U. S. Deputy Surveyor

1000 feet

18<sup>th</sup> November 1901.

Any discrepancies between the courses and  
distances of this survey and those of the <sup>adjoining</sup> ~~preceding~~  
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 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.....

S. Wood Greer  
Rio Tinto  
known as the .....

and showing the respective capacities in which they acted.

- Frank Radtke....., Chairman.
- Fred Hauenstein....., Chairman.
- ....., Arman.
- ....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, Frank Radtke  
and Fred Hauenstein, do solemnly swear that we assisted Franklin Smith  
Smith, United States Deputy Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of.....  
S. Wood Greer  
Rio Tinto  
known as the .....

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

- Frank Radtke....., Chairman.
- Fred Hauenstein....., Chairman.
- ....., Arman.
- ....., Flagman.

Subscribed and sworn to by the above-named persons before me this 18th  
day of November, 1904

Coro E. Smith  
.....

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



(4-686.)

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

14 October, 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 S. Hood Gues

known as the

Rio Tinto situate in Maricopa Mining District,

Cochise County, Arizona, in Section

approx, Township No. 22S, Range No. 24E, GRS B & M 5

and designated as Survey No. 1997, 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 to 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 22<sup>nd</sup>

this 18<sup>th</sup> day of November, 1904

Coro Edmundo

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

Territory of Arizona,)

:SS.

County of Cochise. )

I, Frank Hare County Recorder in and for said County,  
 hereby certify that I have compared the foregoing copy with the  
 original amended location notice of the *Rio Puto* mining  
 claim, filed and recorded in my office on the 12<sup>th</sup> day of Jan. 1904  
*in Book 30, Page 18. Record of Offices.*  
 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 4<sup>th</sup> day of October  
 1904.

*Frank Hare*

County Recorder.



AMENDED

# Notice of Mining Location

LODE CLAIM

To All Whom it May Concern:

This Mining Claim, the name of which is the Rio Pinto 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 S. Wood Green

a citizen of the United States  
(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 1st day of January 1904

The length of this claim is one thousand feet, and I claim Four Hundred and Fifty feet,

in a Southerly direction and Five Hundred and Fifty feet in a Northerly direction from

the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with One Hundred and Twenty Five 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

South to the North

The claim is situated, and located in the Warren Mining District, in Cochise County, in the Territory of Arizona, about one mile

in a South Easterly direction from The City of Bisbee

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

a post set in the ground with a mound of stones

at a point in a Southerly direction 450 feet from the discovery shaft (at which this notice is posted), being in the center of the South

end line of said claim; thence Easterly 125 feet to a post and mound, being the

South East corner of said claim; thence Northerly 1000 feet to a post and mound, being at the

North East corner of said claim; thence Westerly 125 feet to a post and mound at the center of the

North end of said claim; thence Westerly 125 feet to a post and mound, being at the

North West corner of said claim; thence Southerly 1000 feet to a post and mound at the South West corner of said claim; thence

Easterly 125 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.

This is an Amended Location Notice of the Rio Pinto Mining Claim, located by Frank Horns

on the 26th day of February 1902, and recorded in Book 20 of Record of Mines, at page 12, in the office of the County Recorder of the aforesaid County of Cochise

to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 1st day of January 1904

S. Wood Green

Filed and recorded at request of J. M. O'Connell Jan'y 2th A. D. 1904 at 9 A. M. Book 30 Record of Mines, page 18.



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.

AMENDED  
**Notice of Location.**  
LODE CLAIM.

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

Filed and recorded at the request of

.....  
A. D. 190.....

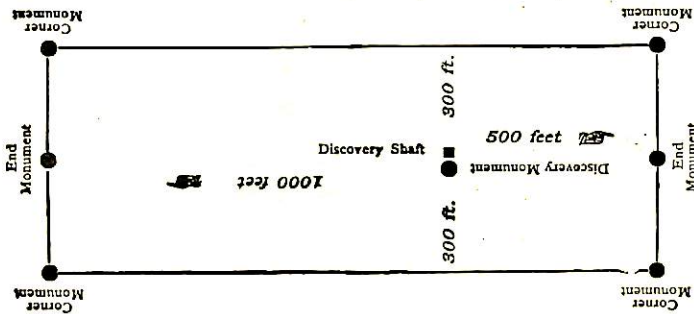
at.....M.

Book.....

Page.....

.....  
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.



MAR. 9-1905

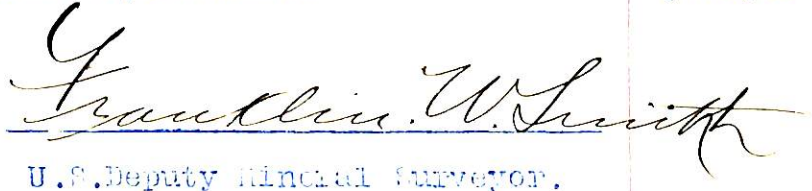
Improvements,

I certify that the value of the labor and improvements on this claim, placed thereon by the claimant or his grantors is not less than \$500, and that said improvements consist of:

No.1	Discovery shaft 4x6x20 ft. brs. from Cor. No. 4 S. 16° 30' W 30 ft., Value	\$200.00
No.2	Shaft 6x6x10ft. brs from same point. S26°E 45 ft. Value	100.00
No.3	Shaft 4x6x20 ft brs from same point S. 58°W 50 ft Value	200.00
No.4	Shaft 4x6x10 ft brs from same point N. 66°W 140 ft., Value	100.00
No.5	Shaft 4x6x17 ft. brs from same point N. 53°W. 360 ft., Value	<u>170.00</u>

Total Improvements

\$770.00

  
U.S. Deputy Mineral Surveyor.

Dated at Bisbee, Arizona,

March 2, 1905.

Affidavit of Five Hundred Dollars Improvements.

We, Peter Chiado and Fred Hauenstein

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

Reo Tinto mining claim, situate in Harro

mining district, Cochise County, Arizona Territory, for which

Shood Grier

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 grantors exceed five hundred dollars in value, and further that we are not personally interested

in said mine.

Peter Chiado

Fred Hauenstein

TERRITORY OF ARIZONA,

COUNTY OF Cochise } ss:

Sworn to and subscribed before me this 2<sup>nd</sup> day

[SEAL.]

of March, 1905

Cora E Smith

11786b400-2-04

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..... Arizona .....,  
do hereby certify that Five Hundred Dollars' worth of labor has been expended or  
improvements made by claimant or his..... grantors, upon the mining claim of  
.....  
S. Wood Grier

known as the..... Rio Tinto .....,  
situate in..... Warren..... mining district,  
..... Cochise..... County,..... Arizona.....,  
in Section....., Township No. ...., Range No. ....;  
that said improvements consist of..... 5 shafts, total value \$770.00.....

....., 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  
..... March 2, 1905....., 18 .., is hereto attached.

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

Office of U. S. Surveyor General,

..... Phoenix, Arizona .....,

..... March 10, 1905....., 18 ..

o 2-178

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.

Dec 30, 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 S. Wood Grier,

known as the Rio Tinto,

situate in Warren Mining District, Cochise County, Arizona.

in Section APPROX., Township No. 23 S., Range No. 24 E. (unsurveyed) designated as Survey No. 1997.

executed by Franklin W. Smith, U. S. Deputy Mineral Surveyor, Nov. 4th to 10th 1904.

Oct. 7th 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.

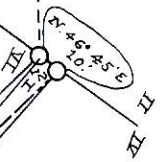
Frank S. Lyall

U. S. Surveyor-General for Arizona.



To U.S.M.M.N. No. 4  
S. 88° 14' W. 2193.4'

George Washington  
Sur No. 1119



Jockey  
Sur No. 1527

Cumberland  
Sur No. 862

IMPROVEMENTS

# SURVEY No 1997.

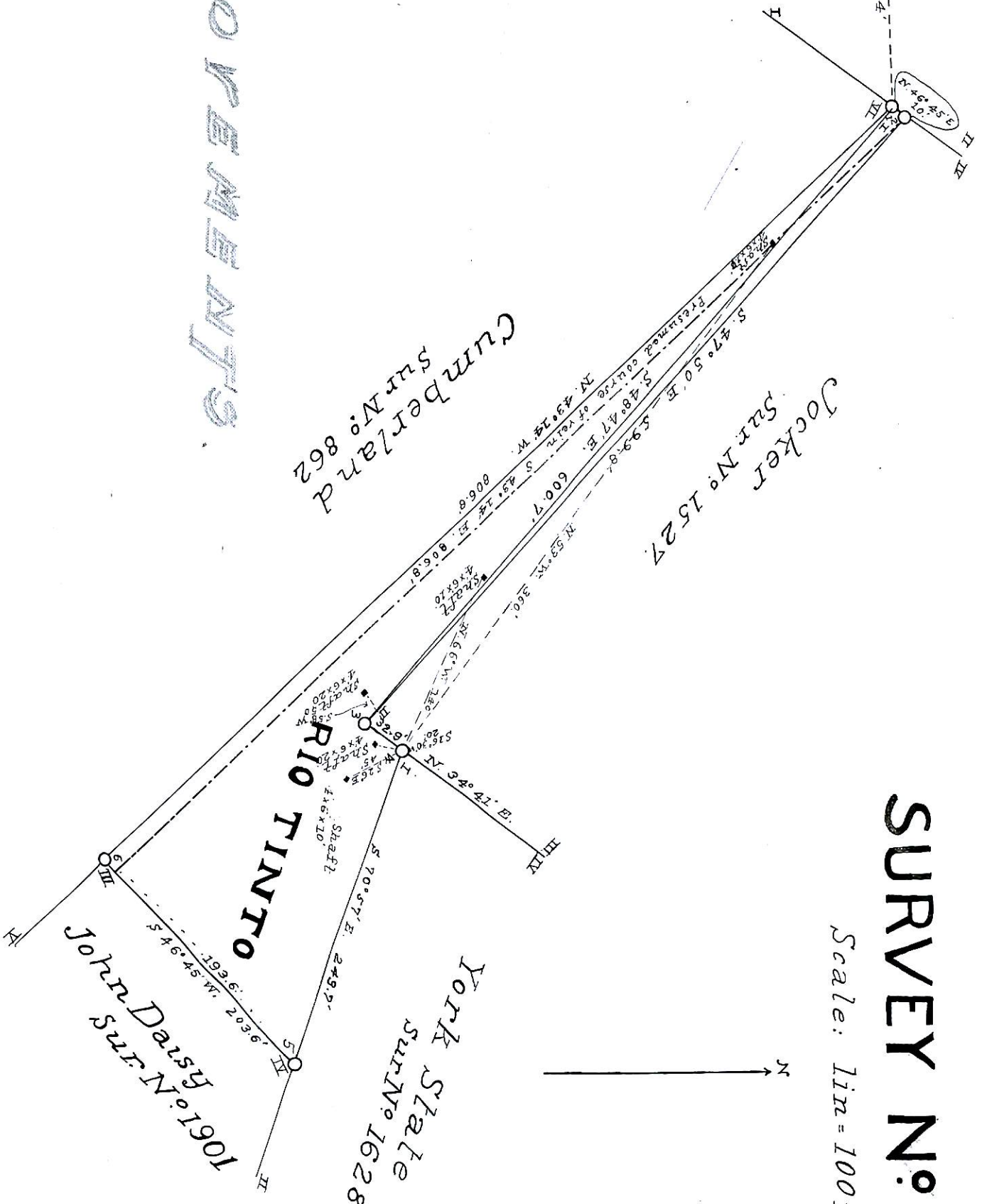
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York State  
Sur No. 1628

RIO TINTO

John Dairs  
Sur No. 191

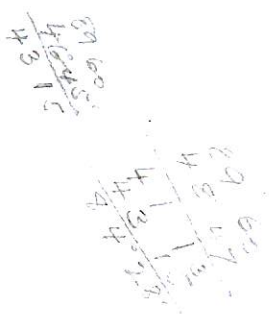


To U.S.M.M. No. 4

S. 88° 14' W. 2193.4

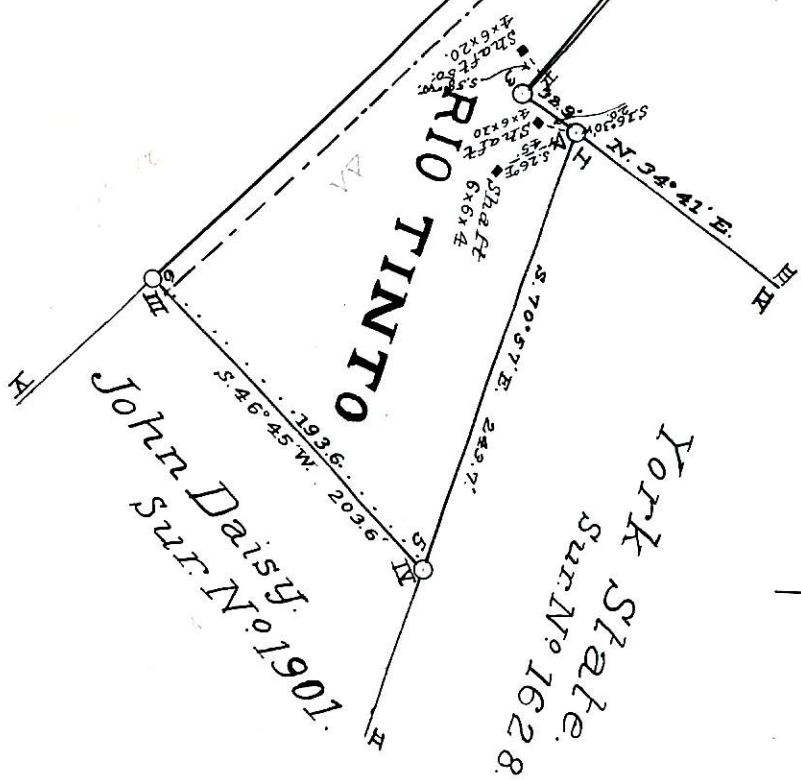
George Washington.

Sur. No. 1119.



Jockey  
Sur. No. 1527

Cumberland  
Sur. No. 862



York State  
Sur. No. 1628

John Daisy  
Sur. No. 1901

# SURVEY No. 1997.

Scale: 1 in = 100 FT



Total Area Rio Tinto  
Area in conflict with Jockey  
Net Area

1.184 A.  
0.069 "  
1.115