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7/11/05*

maps compared

(4-683.)

Mineral Survey No. 2085

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Joseph F. Chisholm et al

KNOWN AS THE

Soply

~~situated in the~~ Warren Mining District,

Cochise County, Arizona

Section Approx, Township 23 S, Range 24 E

Surveyed under instructions dated May 29, 1905 ~~insurveyed~~

by Franklin W. Smith

U. S. Deputy Mineral Surveyor

Claim located See location notice

Survey commenced June 19, 1905

Survey completed June 20, 1905

Postoffice address of claimants agent:
Howe A. Smith
Bisbee, Cochise County Arizona

*File no check
Fudge ✓
dis. ✓
area ✓*

Feet

Beginning at Cor.No.1 the SW cor identical with location and at the point of intersection of line 1-4 American lode, Survey No. 176, with line 2-3 Judeah lode, Survey No.1585 S. 36° 47' W. 541.3 ft from Cor.No. 3 Judeah lode, a pine post 4ft long 4 ins sq set 1 ft in the ground in a mound of stones and scribed 1-2085 S L, whence a pine pot of same dimensions and scribed B. P. 1-2085 brs. N. 49° 36' E. 25 ft and a second pine post of same dimensions and scribing brs. N. 36° 24' 30" E. 25 ft no bearing monuments available, and U S M M No.4 Warren Mining District brs. N. 62° 12' W. 6937.68 ft

Thence N. 36° 24' 30" E

285.4
570.9

to original location for NW E C same bearing to Cor.No.1, the NW cor identical with location and at the point of intersection of line 1-4 Red Jacket lode, Survey No.1794, with line 4-3 Judeah lode, Survey No.1585 at N. 29° 35' E. 29.83 ft from Cor.No.3 Judeah lode, a pinepost 4 ft long 4 ins sq set 1 ft in the ground in a mound of stones and scribed 2-2085 S L whence a pine post of same dimensions and scribed B P 2-2085 brs S. 36 ° 24' 30" W. 25 ft and a second pine post of same dimensions and scribing brs. S. 19° 10' W. 25 ft no bearing monuments available,

Thence S. 19° 10' W.

344.4

to Cor.No.3, identical with Cor.No.4 Red Jacket lode, Survey No.1794 a pine post 4 ft long 4 ins sq set 1 ft in the ground in a mound of stones and scribed 3-2085 S L whence a pine post of same dimensions and scribed B. P. 3-2085 brs S. 84° 8' E. 25 ft, and a second pine post of same dimensions and scribing brs N. 19° 10' E. 25 ft., no bearing monuments available

Thence S. 84° 8' E.

633.78
780.28

to the intersetion of line 1-2 William Jennings Bryan lode Survey No. 1794 at S. 24° 39' W. 93.65 ft

Feet

- from Cor.No.1
- 780.28 same bearing along line 4-3 Red Jacket lode Survey No. 1794 to Cor.No.4 the NE cor identical with location a pine post 4 ft long 4 ins sq set 1 ft in the ground in a mound of stones and scribed 4-2085 S L whence a pine post of same dimensions and scribed B. P. 4-2085 brs N. $84^{\circ} 8' W$. 25 ft and a second pine post of same dimensions and scribing brs. S. $36^{\circ} 24' 30'' W$. 25 ft no bearing monuments available,
- Thence S. $36^{\circ} 24' 30'' W$
- 340.3 to original location for SE E C
- 680.7 same bearing to Cor.No.5 the SE cor identical with location and at the point of intersection of line 3-4 American lode, Survey No.1716 with line 1-2 William Jennings Bryen lode, Survey No.1793 at S, $24^{\circ} 39' W$. 712.93 ft from Cor.No.1, a pine post 4 ft long 4 ins sq set 1 ft in the ground in a mound of stones and scribed 5-2085 S. L., whence a pine post of same dimensions and scribed B. P. 5-2085 brs. N. $36^{\circ} 24' 30'' E$. 25 ft and a second pine post of same dimensions and scribing brs. N. $36^{\circ} W$. 25 ft., no bearing monuments available.
- Thence N. $36^{\circ} W$.
- 765.63 to Cor.No.6, identical with Cor.No.4 American lode, Survey No.1716, a pine post 4 ft long 4 in s sq set 1 ft in the ground in a mound of stones and scribed 6-2085 S L whence a pine post of same dimensions and scribed B. P. 6-2085 brs. S. $36^{\circ} E$. 25 ft and a second pine post of same dimensions and scribing brs. S. $49^{\circ} 36' W$. 25 ft.,
- Thence S. $49^{\circ} 36' W$.
- 194.1 to Cor.No.1 the place of beginning.

Ledge.

The presumed course of the vein on this claim is from the SE E C location N. $84^{\circ} 8' W$. 400 ft thence N. $36^{\circ} W$. 431 ft, thence N. $19^{\circ} 10' E$. 63 ft.

A R E A.

Total area Sophy lode,	6.419 ✓
Less area in conflict with Judeah lode Survey No.1585	0.023 ✓
Less area in conflict with William Jennings Brayan lode, Survey No.1793	0.986 ✓
	<u>1.009</u>
Net area Sophy lode	5.410 ac

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on this claim placed thereon by the claimants or their grantors is not less than \$6500 and that said improvements consist of :

No.1	Discovery shaft 4x6x10 ft brs from SE E C location N.84° 8' W. 250 ft., Value	\$100.00
No.2	Shaft 4x6x10 ft brs from Cor.No6 S. 41° 25'E 340 ft., Value	100.00
No.3	Shaft 4x6x10 ft brs from same point S. 64° E. 400 ft., Value	100.00
No.4	Shaft 4x6x10 ft brs from same point N.64°39'E 90 ft., Value	100.00
No.5	Shaft 4x6x10 ft brs from same point N. ^{64°} 43° 30'E. 55 ft., value	100.00
No.6	Shaft 4x6x10 ft brs from NW E C location S. 19° 10' W 40 ft., Value	- <u>100.00</u>
	Total improvements on Sophy lode	\$600.00

ADJOINING CLAIMS

North	Red Jacket lode, Survey No.1794 Saginaw Dev.Co. owner;
East	William Jennings Bryan lode, Survey 1793. Jos.F. Chisholm et al owners;
South	American lode Survey No.1716 Jacob Pirrung et al owners
West	Judeah lode, Survey No. 1585, Junction Dev. Co. owner

Sophy

LOCATION.

This survey is located about $2\frac{1}{2}$ mi in a SE direction from the City of Bisbee, on unsurveyed lands in the Warm Mining District, Cochise County, Territory of Arizona, approximately in T_p 23 S R 24 E G & S R B & M.

INSTRUMENT.

This survey was made with a C. L. Berger & Sons No. 1 C 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-ft. Steel tape. Magnetic variation $12^{\circ} 30' E$

Franklin A. Smith

Dated at Bisbee, Arizona,

June 27th 1905

~~Note Affidavit of \$500 improvements will be furnished before the expiration of publication.~~

Any discrepancies existing between the courses and distances of this survey and those of the adjoining conflicting and approved surveys are due to errors in the latter.

The mineral monument tie of this survey agrees with the mineral monument tie of Survey No. 1910, William, et al lodes. Any discrepancies between the courses and distances of the mineral monument tie of this survey and those of the adjoining 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 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 F Chisholm et al
known as the Sophy

and showing the respective capacities in which they acted.

- Peter Chado Chainman.
- I. J. Stauber Chainman.
- Axman.
- Flagman.

FINAL OATHS OF ASSISTANTS.

We, Peter Chado

and I. J. Stauber, 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 F. Chisholm et al
known as the Sophy

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

- Peter Chado Chainman.
- I. J. Stauber Chainman.
- Axman.
- Flagman.

Subscribed and sworn to by the above-named persons before me this 27th

day of June, 1905

Corra E. Smith
NOTARY PUBLIC
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 United States Surveyor General for Arizona, dated May 29, 1905, 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 Joseph F. Chisholm et al, known as the Sophy, situate in Warren Mining District, Cochise County, Arizona, in Section Approx, Township No. 23S, Range No. 24E ~~9+5 R. B. 2a~~ unsurveyed and designated as Survey No. 2085, 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 their 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

_____ this 21st
day of June 1905,

Corra E Smith
NOTARY PUBLIC
in and for the County of Cochise, Territory of Arizona

Affidavit of Five Hundred Dollars Improvements.

We, R. A. Ziesemer and D. E. Curry

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

Sophy mining claim, situate in Warren

mining district, Cochise County, Arizona Territory, for which

Joseph F. Chrisholm et al

have 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~~s~~ and

them grantor~~s~~ exceed five hundred dollars in value, and further that we are not personally interested

in said mine.

R. A. Ziesemer
D. E. Curry

TERRITORY OF ARIZONA,

COUNTY OF Cochise } ss:

Sworn to and subscribed before me this 21st day

[SEAL.]

of June, 1905

Corra C. Smith

NOTARY PUBLIC
for the County of Cochise Territory of Arizona
My Commission Expires March 21, 1906

AMENDED

Notice of Mining Location

LODE CLAIM

To All Whom it May Concern:

This Mining Claim, the name of which is the Sophy 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 J. F. Chisholm, a citizen of the U. S.

(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 19 day of May 1905

The length of this claim is 1500 feet, and we claim 500 feet,

in a southeasterly direction and 1000

feet in a north westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 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 N. W. to the S. E.

The claim is situated and located in the Narren Mining District, in Cochise County, in the Territory of Arizona, about 7000 feet

in a southeasterly direction from U. S. M. M. # 4 and is bounded N. by Red Jacket, E. by William J. Bryan, Sr., S. by American Surv. 1715 & N. by Judiah Sur. 1585.

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

at a point in a southeasterly direction 500 feet from the discovery shaft (at which this notice is posted), being in the center of the E.

end line of said claim; thence northeasterly 300 feet to a monument

, being the N. E. corner of said claim; thence

north westerly 1500 feet to a monument, being at the N. W.

corner of said claim; thence south westerly 300 feet to a monument

at the center of the west end of said claim; thence south westerly 300 feet to a monument, being at the S. W.

corner of said claim; thence southeasterly 1500 feet to a monument at the S. E. corner of said claim; thence northeasterly 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 to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Sophy Mining Claim, located by Theo. F. Metz & J. F. Chisholm

on the 5th day of Oct. 1897 1905, and recorded in Book 14 of Record of Mines, at

page 415, 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, and to include additional grounds.

Dated and posted on the ground this 19 day of May 1905

J. F. Chisholm

Filed and recorded at request of E. W. Armstrong May 23 1905 at 9 a.m. Book 34 Record of Mines, page 132

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.

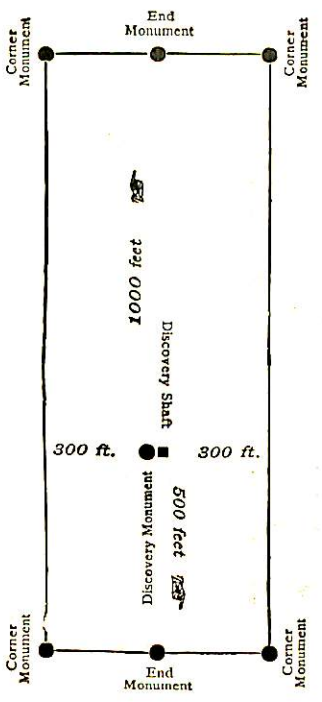
Book.....

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.

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 Amended Location Notice of the Lophy Mining Claim, filed and recorded in my office on the 23 day of May 1905, in Book 34 at page 132, Record of Mines, 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 23rd day of May, 1905.

Frank Hare
County Recorder.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 24", 1905.

I, U. S. Surveyor-General for the district of Arizona.

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Joseph F. Chisholm et al.

known as the Sophy

situate in Warren

Mining District, Cochise County, ARIZONA.

in Section APPROX., Township No. 23 S., Range No. 24 E. unsurveyed; and

designated as Survey No. 2085, has been correctly copied from the originals on file in

this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or their grantors, and that said improvements consist of 6 shafts, total value \$600.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Tucson, Arizona.

is correct and in conformity with the foregoing Field Notes.

(Signed) Frank S. Ingalls,

United States Surveyor-General for Arizona.

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.

July 24th, 1905

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 Joseph F. Chisholm et al.

known as the

Sophy

situate in Warren Mining District,

Cochise County, Arizona.

in Section APPROX., Township No. 23 S., Range No. 34 E. unsurveyed

designated as Survey No. 2085

executed by Franklin W. Smith, U. S. Deputy Mineral

Surveyor, June 19 to 20, 1905, 1905, under my instructions dated

May 29, 1905, 1905, 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 A. Engess

U. S. Surveyor-General for Arizona.

Territory of Arizona,)
 : ss.
 County of Cochise.)

I. J. Stauber, being duly sworn,

deposes and says:

I am an United States Deputy Mineral Surveyor. I reside and have my office at Bisbee, Arizona, in the Warren Mining District, where I have succeeded Franklin W. Smith in his work as United States Deputy Mineral Surveyor. As United States Deputy Mineral Surveyor, said Franklin W. Smith surveyed for patent the Sophy lode mining claim, situated in the Warren Mining District, Cochise County, Territory of Arizona, of which Mineral Entry No. 56 was made November 18, 1905, in the United States Land Office, at Phoenix, Arizona, by Joseph F. Chisholm and Raymond Chisholm, and said Franklin W. Smith made the report of improvements on said claim. I have carefully examined said claim and I am thoroughly familiar with it. As said Franklin W. Smith's successor I make in his stead this supplemental report in compliance with the requirement of the Commissioner of the General Land Office, in his letter dated May 17, 1906, to the Register and Receiver of said Phoenix Land Office of a further showing as to the improvements on said claim.

The improvements on said claim consist of six (6) shafts, each 4 x 6 x 10 feet. Each of these shafts is sunk entirely in iron conglomerate, which is a rock of extreme hardness and solidity. The work of sinking into such a formation requires drilling and blasting from the surface for the entire depth of the shaft, and the work is very slow and difficult. I am informed by the man who supervised the improvements on said claim, a miner of wide experience in the mining develop-

ments of the Warren Mining District, that the rock in which two (2) of said shafts are sunk is the hardest encountered in said district.

In the vicinity of said claim, the cost of the kind of labor required in sinking said shafts is four (4) dollars, or four and a half ($4\frac{1}{2}$) dollars per day for each employee. The cost of sinking in the kind of rock on said claim is about ten (10) dollars per foot, making an expenditure of one hundred (100) dollars for each of said shafts, and a total expenditure of six hundred (600) dollars for six (6) shafts.

Said shafts are not timbered. The claim is about one mile from the nearest railway station, and it is several hundred miles distant from the markets or sources of supply of tools, timber and other materials. The cost of transportation of supplies in the vicinity of said claim is from seventy-five (75) per cent. to four hundred (400) per cent. higher than in the northern and eastern parts of the United States.

A large quartz vein outcrops at several points within the boundaries of the location, and two of the shafts, represented on the plat of survey as No. 1 and No. 6, are sunk on this vein. Mining operations in the Warren Mining District have proved that the commercially valuable bodies of copper ore in said district are to be found only at a depth of several hundred feet. These ore bodies are in horizontal beds or deposits more nearly resembling blanket veins than fissure veins. There is good reason to believe that the workings on said claim will encounter at depth beds or deposits of copper ore. There is no doubt that said claim lies within the zone of these copper ore deposits. It is in close proximity to developed mines in which large bodies of valuable copper ore have been discovered, and its geological position is very favorable.

I. J. Stauber,
Subscribed and sworn to before me this 20th day of
July 1906. My Commission expires October 20th, 1909.
(Seal) C. I. McReynolds,
Notary Public.

DEPARTMENT OF INTERIOR,
Office of U. S. Surveyor General,
Phoenix, Arizona, July 31st, 1906.

I, Frank S. Ingalls, U. S. Surveyor General for the District of Arizona, do hereby certify that I have carefully read the affidavit of United States Deputy Mineral Surveyor I. J. Stauber, hereto annexed, making a supplemental report with respect to the improvements made on the SOPHY lode mining claim, situated in the Warren Mining District, Cochise County, Territory of Arizona, of which Mineral Entry No. 56 was made November 14, 1905, in the United States Land Office at Phoenix, Arizona, by Joseph F. Chisholm and Raymond Chisholm.

I further certify that as appears from said affidavit of said Deputy Mineral Surveyor, the improvements on said claim consist of six (6) shafts, each 4 x 6 x 10 feet; that said shafts are sunk entirely in iron conglomerate, a rock of great hardness and solidity; that the cost of sinking in the kind of rock on said claim is about ten (10) dollars per foot, making an expenditure of six hundred (600) dollars for said shafts; that the cost of the kind of labor required in sinking the said shafts is four (4) dollars or four and a half ($4\frac{1}{2}$) dollars per day; that said shafts are not timbered; that the claim is about one (1) mile from the nearest railway station, and is several hundred miles distant from the markets or sources of supply of tools, timber and other materials; and that the cost of transportation of supplies in the vicinity of said claim is from seventy-five (75) per cent. to four hundred (400) per cent. higher than in the Northern and Eastern markets of the United States.

Frank S. Ingalls,
U. S. Surveyor General for
Arizona.

SEP 24 1909

4-683.

MINERAL SURVEY No. 2985 Am.

LOT No.

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Joseph F. Chisholm & Raymond Chisholm.

KNOWN AS THE

Sophy

Warren

Mining District,

Cochise

County,

Arizona

Section approx., Township 25 S, Range 24 E. G & S R B & M Unsurveyed.

Surveyed under instructions dated Dec ember 5, 19 08.

by Franklin W. Smith

U. S. Mineral Surveyor.

Claim located see location notice, 19

Survey commenced August 28, 19 09

Survey completed August 28, 19 09

6-822

Address of claimants' attorney:

J. M. O'Connell,

Bisbee, Arizona.

SURVEY NO. 2085 Am.

Sophy Lode.

- Feet. Beginning at Cor. No. 1, the S.W. Cor., identical with location and with Cor. No. 1 of original survey of Sophy lode and situated at the point of intersection of line 1-4 Sur. No. 1716 American lode with line 2-5 Sur. No. 1585, Judeah lode, at S. $49^{\circ} 36'$ W. 194.1 ft. from Cor. No. 4, American lode, identical with Cor. No. 6 of original survey of Sophy lode, and S. $36^{\circ} 47'$ W. 541.3 ft. from Cor. No. 3 Judeah lode, a pine post 4 ft. long 4 ins. sq. set 18" in the ground in a mound of stones and scribed 1-2085 Am. S L, whence a pine post of same dimensions and scribed B P 1-2085 Am. brs. N $49^{\circ} 36'$ E 25 ft. and a second ^{post} pine of same dimensions and scribing brs. N $36^{\circ} 24' 30''$ E 25 ft. No bearing monuments available, and U.S.L.M. No. 4 Warren Mining District brs. N $63^{\circ} 12'$ W 6937.68 ft.
- Thence N $36^{\circ} 24' 30''$ E
- 270.45 to location for end center of amended survey. End center of original survey Sophy lode brs. N $36^{\circ} 24' 30''$ E 14.95 ft.
- 570.9 same bearing to Cor. No. 2, the N.W. Cor. identical with location and with Cor. No. 2 of original survey of Sophy lode and situated at the point of intersection of line 1-4 Sur. No. 1794 Red Jacket lode with line 3-4 Sur. No. 1585 Judeah lode at N $29^{\circ} 35'$ E 29.83 ft. from Cor. No. 3 Judeah lode, a pine post 4 ft. long 4 ins. sq. set 18" in the ground in a mound of stones and scribed 2-2085 Am. S L, whence a pine post of same dimensions and scribed B P 2-2085 Am. brs. S $36^{\circ} 24' 30''$ W 25 ft. and a second pine post of same dimensions and scribing brs. S $19^{\circ} 10'$ W 25 ft. No bearing monuments available. Cor. No. 3 of original survey of the Sophy lode, identical with Cor. No. 4, Red Jacket lode, brs. from this point S. $19^{\circ} 10'$ W. 344.34 ft.
- Thence S $52^{\circ} 40'$ E
- 641.96 to the intersection of line 3-4 of original survey of Sophy lode at S. $84^{\circ} 08'$ E. 626.77 ft. from Cor. No. 3 of original survey of Sophy lode, and N. $84^{\circ} 08'$ W. 153.51 ft. from Cor. No. 4 of the original survey of Sophy lode, and 7.01 ft. from point of intersection of line 3-4 of original survey of Sophy lode with line 1-2, William Jennings Bryan lode, Sur. No. 1793.

Feet. 648.7	<p>same bearing to the intersection of line 1-2 Sur. No. 1793 William Jennings Bryan lode at S 24° 39' W 9708 ft. from Cor. No. 1 and 3.43 ft. from intersection of said line 1-2 with line 3-4 of the original survey of the Sophy lode.</p>
774.22	<p>Cor. No. 5 of original survey of Sophy lode, ^{on line 1-2 William Jennings Bryan lode} brs. from this point S. 24° 39' W. 615.85 ft.</p> <p>same bearing to Cor. No. 3 of amended survey of Sophy lode, situated on line 4-5 of original survey of Sophy lode at S 36° 24' 30" W 79.8 ft. from Cor. No. 4 of the original survey, a pine post 4 ft. long 4 ins. sq. set 18" in the ground in a mound of stones and scribed 3-2085 Am. S L, whence a pine post of same dimension and scribed B P 3-2085 Am. brs. N 52° 40' W 25 ft. and a second pine post of same dimensions and scribing brs. N 36° 24' 30" E 54.8 ft. No bearing monuments available.</p>
	<p>Thence S 36° 24' 30" W</p>
300.45	<p>to location for S.E.E.C. S.E.E.C of original survey brs. N 36° 24' 30" E 39.95 ft.</p>
600.9	<p>same bearing along line 4-5 of original survey of Sophy lode to Cor. No. 4, the S.E.Cor., identical with location and with Cor. No. 5 of original survey of Sophy lode and situated at the point of intersection of line 5-4 Sur. No. 1716 American lode with line 1-2 Sur. No. 1793 William Jennings Bryan lode at S24° 39' W 712.93 ft. from Cor. No. 1, a pine post 4 ft. long 4 ins. sq. set 18" in the ground in a mound of stones and scribed 4-2085 Am S L, whence a pine post of same dimensions and scribed B P 4-2085 Am. brs. S. 36° 24' 30" E 25 ft. and a second pine post of same dimensions and scribing brs. N 50° 27' W 25 ft. No. bearing monuments available. Cor. No. 6 of original survey of Sophy lode, identical with Cor. No. 4, American lode, brs. from this point N. 36° W. 765.63 ft.</p>
	<p>Thence N 50° 27' W</p>
775.28	<p>to Cor. No. 1 the place of the beginning. From Cor. No. 1, Cor. No. 6 of the original survey of the Sophy lode</p>

SURVEY NO. 2085 Am. Con't.

brs. N 49° 36' E 194.1 ft.

LEDGE.

The presumed course of the vein on this claim is from the S.E.E.C location N 52° 40' W 774.22 ft.

AREA

Total area of Sophy lode	10.412a.
Area in conflict with Sur. No.1794 Red Jacket lode	2.411
Area in conflict with Sur. No.1793 William Jennings Bryan lode.	0.866
Area in conflict with Sur. No.1716 American lode.	1.701
Area in conflict with Sur. No.1585 Judeah lode.	0.023

Discovery Shaft.

Shaft No. 3. of original survey is discovery shaft No.2. Which is 4 x 6 x 10 ft. deep brs. from S.E.E.C N 52° 40' W 336.4 ft.

ADJOINING CLAIMS.

NORTH. Red Jacket lode Sur. No. 1794 owned by the American-Saginaw Development Company.

EAST. William Jenning Bryan lode Sur. No. 1793 owned by the American-Saginaw Development Company.

SOUTH. American lode Sur. No. 1716 owned by the American-Saginaw Development Company.

WEST. Judeah lode Sur. No. 1585, owned by the Superior- & Pittsburg Mining Company.

LOCATION

This survey is situated about 1 1/2 miles in a southeasterly dirsection from the city of Bisbee, Arizona, on unsurveyed lands in the Warren Mining District, Cochise County, Territory of Arizona, approximately in Tp. 23 S. R 24 E G & S R B & M. unsurveyed.

INSTRUMENT.

This survey was made with a C. L. Berger No. 1 C transit, the courses were deflected from the true meridian as determined from a solar observation checked by an observation on Polaris. The distances were measured with a 300 ft. steel tape.

Magnetic variation 12° 30' E at all corners.

James W. Smith

U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

AUG 31 1909
1909.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Franklin W. Smith
 United States 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
Joseph Chisholm and Raymond Chisholm
 known as the Sophy
 and showing the respective capacities in which they acted.

R. L. Motz , *Chainman.*
E. H. Acord , *Chainman.*
 , *Arman.*
 , *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, R. L. Motz
 and E. H. Acord , do solemnly swear that we assisted
Franklin W. Smith , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of
Joseph Chisholm and Raymond Chisholm
 known as the Sophy
 represented in the foregoing field notes as having been surveyed by said 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 instruc-
 tions furnished by the United States Surveyor-General for Arizona

R. L. Motz , *Chainman.*
E. H. Acord , *Chainman.*
 , *Arman.*
 , *Flagman.*

Subscribed and sworn to by the above-named persons before me this 4th 21st
 day of September , 19 09.

Charles R. McFoot
 NOTARY PUBLIC
 In and for the County of Cochise, Territory of Arizona.
 My Commission Expires January 19, 1912
 6-1013

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Franklin W. Smith, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 5th. 1908, 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 Raymond Chisholm & Joseph F. Chisholm, known as the Sophy, situate in Warren Mining District, Cochise County Territory of Arizona in Section approx., Township No. 23 S., Range No. 24 E. G. & S. R. B. & M. Unsurveyed and designated as Survey No. 2085 Am., 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 their 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. Mineral Surveyor.

Subscribed and sworn to by the said Franklin W. Smith
U. S. Mineral Surveyor, before me J. W. Ross, Notary Public
this 4th.
day of September, 1909

My Commission J. W. Ross
Expires Feb. 20, 1912
Notary Public
In and for the County of Cochise
Territory of Arizona.

U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

January 28, 1910.

I, U. S. Surveyor General for District of Arizona, do hereby certify that the foregoing transcript of the Field Notes, return and approval of the Survey of the mining claim of

Joseph F. Chisholm and Raymond Chisholm,

, known as the SOPHY

, situate in Warren

Mining District, Cochise County,

Arizona, in Section Approx., Township No. 23 S,

Range No. 24 E., G. & S. R. B. & M. Unsur., and designated as Survey No. 2085 Am.,

has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

~~And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimants or their grantors, and that said improvements consist of~~

~~and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.~~

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor General for Arizona.

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,

January 28, 1910

I, U. S. Surveyor-General for District of Arizona,

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

Joseph F. Chisholm and Raymond Chisholm,

, known as the

SOPHY,

situate in Warren Mining District,

Cochise County, Arizona,

in Section Approx., Township No. 23 S., Range No. 24 E., G. & S. R. B. & M., Unsur.,

, designated as Survey No. 2085 Am.

executed by Franklin W. Smith, U. S. Deputy Mineral

Surveyor, Aug. 28, 1909, under my instructions dated

Dec. 5, 1908, have been critically examined and the necessary cor-

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

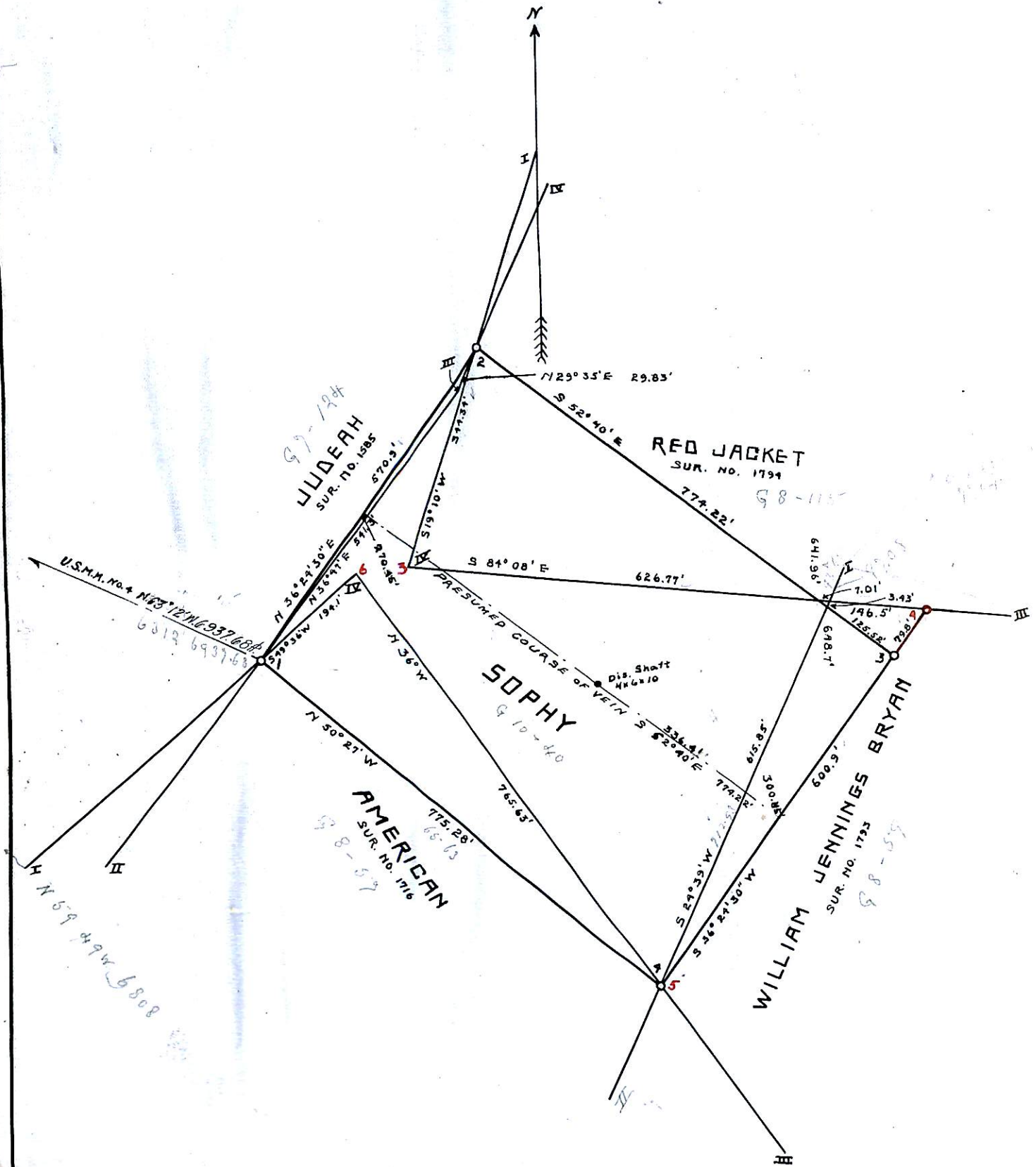
are hereby approved. A true copy of the copy of the location certificate filed by the applicants for survey is included in the field notes.

Frank S. Ingalls

U. S. Surveyor-General for Arizona.

SURVEY NO. 2085 AM.

SCALE 200' = 1"



~ AREAS ~

TOTAL AREA OF SOPHY	-----	10.412 ACRES
LESS AREA IN CONFLICT WITH JUDAH SUR. NO. 1585	-----	0.023
" " " " " " " " " " " " " " "	-----	0.066
" " " " " " " " " " " " " " "	-----	1.701
" " " " " " " " " " " " " " "	-----	2.411
TOTAL "	-----	5.001 " "
NET AREA OF SOPHY	-----	5.411 " "