

DEC 12 1914

MAY 17 1915

(4-683.)

Mineral Survey No. 3155

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

Arizona Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Thos. P. Sorin, Executor of the  
Will of Sarah H. Sorin deceased

KNOWN AS THE

Hussar  
Dragon Mountains Mining District,  
Cochise County, Arizona

Sections 2, 3, 4 Unsurveyed Township 18S, Range 23E

Surveyed under instructions dated October 23, 1914.

by John A. Rockefeller  
U. S. Deputy Mineral Surveyor

Claim located See Notice Location

Survey commenced November 5, 1914.

Survey completed November 14, 1914.

6-190

Address of Claimant's Attorney  
S. M. Franklin  
Tucson  
Ariz.

Mineral Survey No. 3155

HUSSAR

Feet

Beginning at Cor. No. 1, the N. E. corner, set a pine post 4 ins. sq., 4 ft. long, 18 ins. in the ground, in a mound of stone, scribed N.E.C.H 1-3155

Whence:

The S.W. Cor. Sec. 36, Tp. 17 S. R. 23 E. bears N. 69° 24' E. 4810.7 ft.  
U. S. Location Monument No. 3155 bears S. 18° 43'

E. 238.8 ft.

Cor. of location, a pine post 2 X 4 ins., 4 ft. high in a mound of stone bears S. 71° 57' E. 74.4 ft.

X B. R. 1-3155 chiseled on a quartzite rock, 50 X 30 ins., 8 ins. high, bears N. 11° 34' W. 8.8 ft.

X B. R. 1-3155, chiselled on a quartzite face 20 X 8 ins. bears S. 45° 53' E. 7.35 ft.

Thence S. 5° 45' W. Va. 13° 30' E.

257.9

E. center end, set a pine post 4 ins. square, 4 feet long, on a cross (X), chiselled on quartzite bed rock, in a mound of stone, scribed E. C. E. - H. - 3155,

Whence:

East center end of location, a pine post 2 X 4 ins., 4 ft. high, in a mound of stone, bears S. 71° 29' E. 106.0 feet,

565.3

to Corner No. 2. Set a pine post 4 ins. square, 4 feet long, 1 foot in the ground, to bed-rock, in a mound of stone, scribed S. E. C. - H. 2-3155.

Whence:

Corner of location, a pine post 2 X 4 ins., 4 ft. high, in a mound of stone, bears S. 39° 04' E. 152.8 ft.

X B. T. 2-3155 scribed on a blaze on an oak tree, 8 ins. in diameter, bears S. 63° 50' W. 16.85 feet

X B. R. 2-3155, chiselled on a limestone, 20 X 14 ins., 3 ins. high, bears N. 74° 17' E. 4.7 ft.,

Thence N. 71° 29' W. Va. 13° 35' E.

839.0

Point whence S. center side of location, a juniper post in a mound of stone, bears S. 40° 20' W. 162.4 feet,

Feet	
1338.5	Center of trail bears N. E. and S. W.
1500	To corner No. 3. Set a pine post 4 ins. sq., 4 ins. in ground, 4 feet long, 18 ins. in the ground, in a mound of stone, scribed S. W. C. - H. 3-3155
	Whence:
	X B. T. 3-3155, scribed on a blaze on a piñon tree 14 ins. diameter, bears S, 35° 32' W. 31.63 ft.
	X B. T. 3-3155, scribed on a blaze on an oak tree, 6 ins. in diameter, bears S. 67° 20' E. 21.15 ft.
	Corner of location, a pine post 2 X 4 ins., 4 ft. high, in a mound of stone, bears S. 5° 45' W. 324.1 ft.
	Thence N. 5° 45' E. Va. 13° 35' E.
240	Center of wash in canyon 6 feet wide, course N. Easterly.
307.4	W. center end, set a pine post 4 ins. sq., 4 feet long, 18 ins. in the ground, in a mound of stone, scribed W. C. E. - H. 3155
	Whence: The west center end of location, a juniper post in a mound of stone bears S. 11° 46' W. 236.2 ft.
377.0	To Cor. No. 4, identical with location, a pine post 2 X 4 ins., 6 ft. high, in a mound of stone. In its place set a pine post 4 ins. sq. 4 ft. long, 18 ins. in the ground, in a mound of stone, scribed N. W. C. - H. 4-3155
	Whence:
	X B. T. 4-3155, scribed on a blaze on a piñon tree, 6 ins. diameter, bears N. 70° 45' E. 24.75 ft.
	X B. T. 4-3155, scribed on a blaze on a juniper tree, 14 ins. diameter, bears N. 67° 12' W. 32.55 ft.
	Thence S. 86° 20' E. Va. 13° 40' E.
65	Center of wash in canyon 6 ft. wide; course N. easterly.
691.6	To corner No. 5, identical with the north center side of location, a juniper post in a mound of stone. In its place set a pine post, 4 ins. sq., 4 ft. long, 1 foot in the ground to bedrock, in a mound of stone, scribed N. C. S. - H. 5-3155.

Feet

Whence:

X B. T. 5-3155 scribed on a blaze on a juniper tree, 10 ins. in diameter, bears N. 49° 10' E. 10.94 feet

X B. T. 5-3155 scribed on a blaze on a juniper tree (part of another stem ), 8 ins. in diameter, bears S. 18° 55' E. 10.80 feet.

Thence S. 71° 57' E. Va. 13° 00' E.

790.0 To Cor. No. 1, the place of beginning.

AREA

H U S S A R L O D E 17.381 acres

LOCATION.

This claim is located in the <sup>Mining District,</sup> Dragoon Mountains, Co- chise County, Arizona, in the Chiricahua National Forest, approximately in Sec<sup>2-3</sup> <sup>unsurveyed</sup> Tp. 18 S. Range 23 E. ~~unsurveyed~~ VEIN.

The presumed course of the lode is, from W. center end S. 71° 29' E. 1500 feet to E. center end.

ADJACENT CLAIMS.

On the west the Rubicon lode,

On the south the Hussar No. 2 lode, both <sup>unsurveyed,</sup> owned by

Thos. R. Sorin.

EXPENDITURE of \$500.

I certify that the labor and improvements made upon said mining claim by the claimant and grantors is not less than five hundred dollars, and said improvements consist of:

From the Initial Monument on lode line at S. 71° 29' E. 538.3' feet from W. center end -

No. 1. Discovery work, consisting of cut, tunnel and

winze. The center of mouth of cut bears N. 36° 40'

E. 25.5 feet. Cut 8 ft. wide, course S. 15° W. 13 ft.

to a face of 8 ft.; thence cut 4 ft. wide from W. side of larger cut, same course, 18 ft. to a face of 17 ft., at portal of tunnel; thence tunnel  $6\frac{1}{2}$  X 4 ft., same course, 78 ft. to face; at 33 feet there is a winze, average 6 X 4 feet, 10 feet deep.

Value of two open cuts	\$200
Value of 78 feet of tunnel at \$12. per foot	936.
Value of winze at \$12. per foot	120.
Total	<u>1256.</u>

No. 2: A cut and shaft. The center of mouth of cut bears S.  $32^{\circ} 30'$  E. 286.0 ft. Cut 18 ft. wide, course S.  $40^{\circ}$  W. 30 ft. to a face of average 40 ft. At 21 ft. is a shaft 7 X 5 ft. down 21 ft. timbered; thence 6 X  $4\frac{1}{2}$  ft. down 23 ft., also collar timbered 7 ft. above surface.

Value of cut	\$400.00
Value of <del>44</del> ft. of shaft at \$12. per foot,	528.00
Value of 28 ft. of timbering, 1700 ft. of timber at \$45. per M \$76.50, labor \$32.	108.50
Total.	<u>1036.50</u>

Total value of improvements \$2292.50  
2 292.50

Note: This claim is situated high up in the mountains, beyond wagon roads, and all supplies are "packed" in, hence the cost of labor and material is greater than at points near populous centers, or within the zone of wagon roads.

#### OTHER IMPROVEMENTS.

From point on lode line at S.  $71^{\circ} 29'$  E. 538.3 ft. from west center end:

A blacksmith shop made of wood and corrugated iron, the S.E. Cor. of which bears N.  $20^{\circ} 45'$  E. 25.5 ft.; building 12 X 12 ft.

Value	\$600.00
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INSERUMENT.

This survey was made with a Young & Sons mountain transit, provided with Smith solar attachment.

The courses were determined by direct solar observations.

The distances were measured with 500 and 50 ft. steel tapes.

Tombstone, Arizona,

November 28, 1914.

*John A. Rockfellow*  
U. S. Mineral Surveyor.

Postscript.

The S. W. corner of Sec. 36, Tp. 17 S. R. 25 E. is a granite stone 10 X 14 X 6 ins. above ground, marked (dimly) with 1 notch on E. and 5 notches on W. edges; it is witnessed by bearing trees as described in notes of Surveyor General.

The connection between this corner and U. S. L. M. No. 3155, and the Hussar lode is across canyons and ridges very difficult for accurate measurement; each is visible from the other, and at the section corner a comparatively level and unobstructed stretch to the north west furnishes opportunity for an accurate base line, hence I obtained these distances by triangulation, *details attached*

Tombstone, Arizona,

*May 14 1915*

*John A. Rockfellow*  
U. S. Mineral Surveyor.

## U. S. LOCATION MONUMENT.

No. 3155.

Dragoon Mountains Mining District, Cochise  
County, Arizona, <sup>Sec 2, unsur</sup> Tp. 18 S. Range 23 E., G. & S. R. M.

Lat.  $31^{\circ} 54'$  N. Long (approx.)  $110^{\circ}$  west  
Va.  $13^{\circ} 35'$  E.  
Established Nov. 14, 1914, By John A. Rockfellow,

U. S. Mineral Surveyor.

## U. S. LOCATION MONUMENT

No. 3155.

There being no known public survey corner or U. S. Location Monument within the statutory distance, I proceed to establish one in connection with Survey No. 3155.

I select a point on a long ridge, extending and sloping gradually N. 5° E. from an east and west ridge, which bounds the Middle Pass Canyon on the north. The point selected is an outcrop of quartzite, about 15 ft. high on the north, and 5 ft. on south, and 20 or more feet in diameter. Into this I drill a hole one foot deep, and insert a piece of round iron  $\frac{1}{2}$  inch diameter, 20 inches long, and securely fasten same. On this iron rod I slip a piece of  $\frac{3}{4}$  inch iron pipe 9 ft. long, and surround same with a conical mound of stone, 6 ft. base, 4 ft. high. On the face of a rock in place, a part of the base of monument, 30 X 24 ins., chisel in letters and figures 4 ins. high  
"U. S. L. M. No. 3155"

Whence; by meridian obtained by direct observation of sun at 9:30 A. M. Va. 13° 35' E.

1. The notch between Dos Cabezas peaks bears N. 44° 07' E.  
about 30 miles
2. Helens Dome at Apache Pass bears N. 62° 48' E.
3. The vertical part of "Cochise's Nose", Chiricahua Mountains, bears N. 74° 29' E.
4. The Arizona Eastern R. R. Depot, town of Pearce, bears N. 86° 30' E. about 11 miles.
5. X B. R. U. S. L. M. 3155, chiselled on a quartzite rock 5 X 4 X 3 ft. bears S. 67° 16' E. 14.35 ft.  
X B. T. U. S. L. M. 3155, scribed on a blaze on an oak tree 9 ins. diameter bears S. 21° 32' E. 42.3 ft.  
X B. T. U. S. L. M. 3155, scribed on an oak, 8 ins. diameter bears S. 46° 21' W. 52.03 ft.
6. The S. W. Cor. Sec. 36, Tp. 17 S. R. 23 E. bears N. 66° 34' E. 4824.4 ft.  
Tombstone, Arizona,  
November 28, 1914.

*John A. Rockwell*  
U. S. Mineral Surveyor.



660221519

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by John A. Rockefeller  
 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 Thos. R. Sorin  
Executor of will of Sarah H. Sorin deceased  
 known as the Hussan Lode  
 and showing the respective capacities in which they acted.

A. Allen Benedict, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, A. Allen Benedict  
 and \_\_\_\_\_, do solemnly swear that I assisted John A. Rockefeller, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Thos. R. Sorin, Executor of will of Sarah H. Sorin deceased  
 known as the Hussan  
 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

A. Allen Benedict Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me this 14th  
 day of November, 1904

John A. Rockefeller  
 U.S. Mineral Surveyor

There being no known Notary Public or proper officer to administer oaths more than ten miles, to avoid delay expense and inconvenience I administer said oaths, as U.S. Mineral Surveyor John A. Rockefeller

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, John A. Rockefeller, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated October 23, 1914, 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 Thos. A. Corin, executor of the will of Sarah H. Corin, deceased known as the Hussar, situate in Dragoon Mountains Mining District, Cochise County, Ariz, in Section 2 & 3 UNSUR, Township No. 18S, Range No. 23E and designated as Survey No. 3155, 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.

John A. Rockefeller  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said John A. Rockefeller,  
U. S. Deputy Mineral Surveyor, before me, Frances J. Abell,  
Notary Public this 30th  
day of November, 1914.

My commission expires Dec. 19, 1916. Frances J. Abell,  
Notary Public.

661.23 1014

## NOTICE OF LOCATION.

Notice is hereby given of the Location of the lode of mineral bearing quartz, earth or rock upon which, at the discovery shaft thereof, this notice is posted, together with three hundred feet in width on each side of the middle of said lode, and fifteen hundred feet in length along the course of said lode.

The Name of this lode is HUSSAR.

The name of the locator is T.R. SORIN.

The date of location is October fourth, 1897.

The number of feet claimed on the western side of the center of the discovery shaft lengthwise of the claim is six hundred ..... the number of feet claimed on the eastern side of the center of the discovery shaft lengthwise of the claim is nine hundred .... The general course of the lode and premises located is east and west.

This claim is bounded as follows:

Commencing at a monument of stones at the center of the west end of claim; thence south three hundred feet to a monument of stones being the southwest corner of the claim; thence east seven hundred and fifty feet to a monument of stones being in the center of the south side line of the claim; thence east seven hundred and fifty feet to a monument of stones being the southeast corner of the claim; thence north three hundred feet to a monument of stones being the center of the east end of the claim; thence north three hundred feet to a monument of stones being the northeast corner of the claim; thence west seven hundred and fifty feet to a monument of stones being the center of the north side line of the claim; thence west seven hundred and fifty feet to a monument of stones, being the northwest corner of the claim; thence south three hundred feet to the monument of stones, the place of beginning.

This claim is situate in the Dragoon Mts. Mining District, in the County of Cochise, in the Territory of Arizona, and in

order more particularly to identify the claim reference is hereby made to Cochise Peak, distant easterly from this mine about three quarters of a mile, Also, to the summit of the Sorin Toll Road Canon, at the apex of which Canon this claim has its southwest corner .

T.R.Sorin

Witness:

Locator.

Angel Moreho.

Filed and recorded at request of T.R.Sorin Dec. 20th, A.D 1897 at 10:52 A.M., in Book 14 Record of Mines, Page 424.

STATE OF ARIZONA )  
 County of Cochise ) <sup>ss</sup>

I, Owen E. Murphy, County Recorder in and for the County and State aforesaid, D O H E R E B Y C E R T I F Y, that I have compared the annexed and foregoing with the original Location Notice of the Hussar mining claim, located by T.R. Sorin, filed in my office on the 20th day of December, A.D. 1897 at 10:52 A.M., and recorded in Book 14 of Record of Mines, page 424, and that the same is a full, true and correct copy of said original and of the whole thereof.

Given under my hand and seal of office, this the 20th day of October, A.D. 1914.

OWEN E. MURPHY

County Recorder.

By

*J. M. Hayes*

Deputy



- DIRECTIONS.** 1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.  
 2. In balancing Lat. and Dep. do not obliterate or change the original figures: Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.  
 3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Deputies are cautioned not to use tables that do not give results exact to the decimal specified.

**TABLING AND CALCULATIONS OF**

*Channing*, SURVEY NO. *3153*

No.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
<i>S. N. Cor Sec 36</i>									
<i>U.S. 4<sup>th</sup> Mer 185</i>	<i>S 66° 34' W</i>	<i>482.44</i>		<i>191.858</i>		<i>442.650</i>			
<i>Dr. N. 1<sup>st</sup> Mer 185</i>	<i>N 18° 43' W</i>	<i>238.8</i>	<i>226.16</i>			<i>76.63</i>			
<i>S. N. Cor Sec 36</i>	<i>N 69° 24' E</i>	<i>481.07</i>	<i>169.260</i>		<i>450.310</i>				
			<i>191.876</i>	<i>191.858</i>	<i>450.310</i>	<i>450.313</i>			

4-688.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 30, 19 15.

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

Thos. R. Sorin, Executor of the Will of Sarah H. Sorin, deceased.

known as the Hussar

situate in Dragoon Mountains

Mining District, Cochise County, Arizona.

in Section s 2&3 unsur, Township No. 18 S., Range No. 23 E., and designated as Survey No. 3155, 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 his grantors, and that said improvements consist of 3 cuts, 1 tunnel, 1 winze and 1 shaft, total value

\$2292.50

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.

June 30, 1915.

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

Thos. H. Sorin, Executor of the Will of Sarah H. Sorin, deceased.

, known as the

Hussar

situate in Dragoon Mountains mining district,

Cochise County, Arizona.

in Sections 2 & 3 unsur., Township No. 18 S., Range No. 23 E.

, designated as Survey No. 3155

executed by John A. Rockfellow, U. S. Deputy Mineral

Surveyor, November 5-14, 1914, under my instructions dated

October 23, 1914, 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

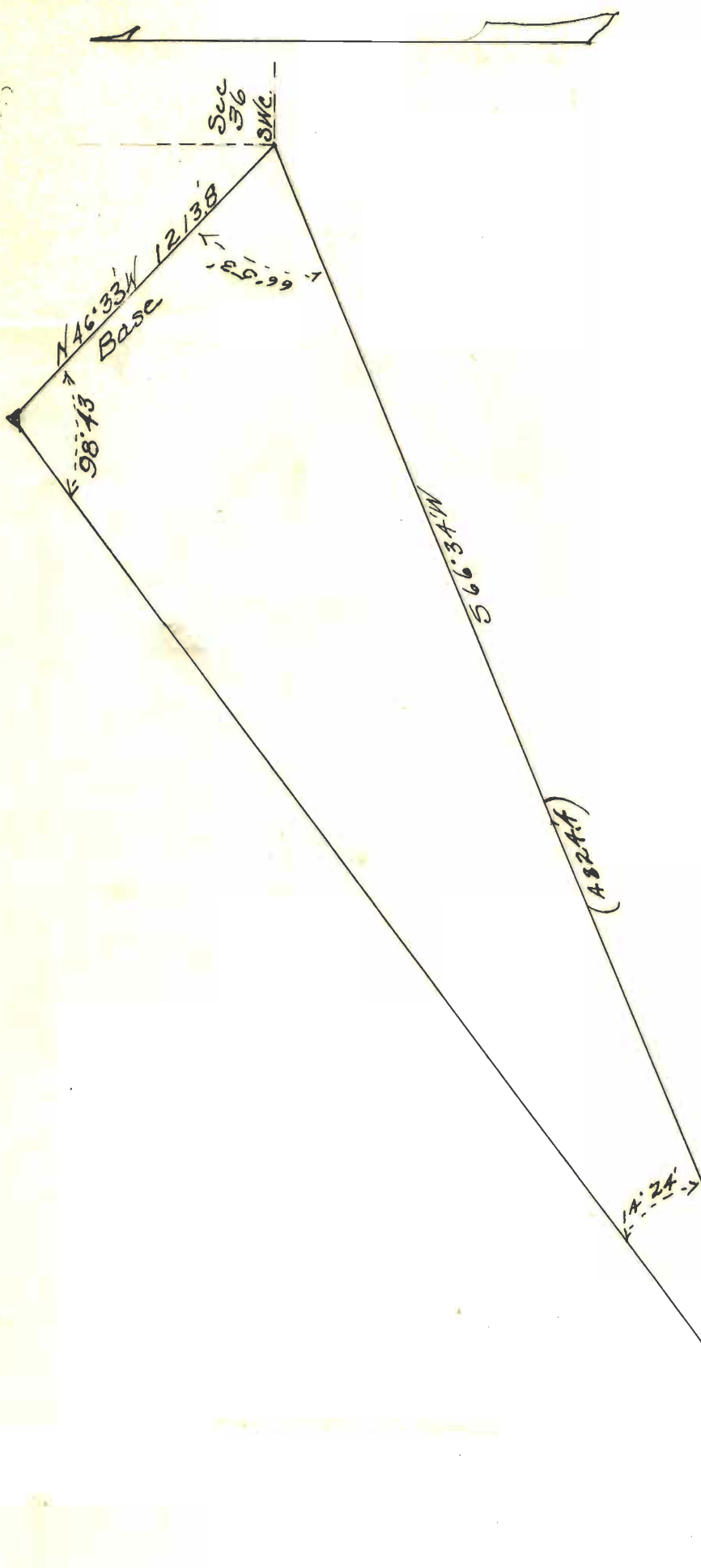
survey is included in the field notes.

Frank Ingalls

U. S. Surveyor-General for Arizona.



March 1915



$$\sin 14.24 : 1213.8 = \sin 98.43 : (482.4)$$

U.S.L.M. No. 3155

$\log \sin 81.17$  9.9949546  
 $\log 1213.8$  3.0841471  
 $\log \sin 14.24$  9.3956581  
 $\log 482.4$  2.6834436

Log of 482.4 OK