# U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

# FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 311

SITUATED IN THE

CORONADO

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 17, un surveyed, Township 24 S., Range 21 E. In Section 18, unsurveyed, Township 24 S., Range 21 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona

Applicant for listing Wm. M. Ratliff,

Residence

Hereford, Arizona

Application No. 193

, dated , dated

October 22

, 1911

List No. 3-1928 Supp'l. List No. 3-1928

, dated

July 13 November 13 , 1912 V , 1914

Applicant for survey

Wm. M. Ratliff.

Residence

0

Hereford, Arizona

H. E. No. 022290 , dated

April 30

, 1913

Land District

Phoenix, Arizona

Survey executed by R. P. A. Johnson,

Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated

, 1914 October 19

, 1915

Survey commenced

March 12

Survey completed

March 13

, 1915

Under Acts of June 11, 1906 and June 30, 1914.

#### OATH OF ASSISTANTS

We hereby certify that we assisted R. P. A. Johnson,

Surveyor - Draftsman in surveying all those

[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **311** , in the State of **Arizona** , which are represented in the following field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for **Arizona**.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

_	7	1	0	X.	0	O.	1	lei	t		,	hai	nman
	4	2	L	13	a	0	21	k	b	1,	Cha	in	an
		-		_		-		_/		-			

Subscribed and sworn to before me this liven

Six day of

OATH OF SURVEYOR

I, R. P. A. Johnson,

Surveyor - Draftsman

[Forest Service Title.]

-----

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated October 19, 1914, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in

List , No. 3-1928 , dated July 13 , 1912, and Supp'l. List , No. 3-1928 , dated November 13 , 1914 , for Patent , under the Act of June 11 , 196 , the same to be known as Homestead Entry Survey No. 311 , situated within the CORONADO National Forest, in unsurveyed Section 17 , Township 24 S. , Range 21 E. , and unsurveyed Section - 18 - , Township 24 S. , Range -21 E. - - - ,

of the **G. and S. R. B. and** meridian, **Arizona** , and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the stated special instructions, and in the specific manner described in the field notes, and that the following are the original field notes of such survey.

weyor Trafteman
[Forest Service Title.]

Subscribed and sworn to before me this

enty light day or

Leplember, 19/5.

SEAL.

8-2340

When C Myers notary Public

My Commission expires April 20, 1913.

STATE OF ARIZONA.

Chains Applicant for listing Wm. M. Ratliff; Application No. 193 dated October 22, 1911; List No. 3-1928, dated July 13, 1912 and supplemental List No. 3-1928, dated November 13, 1914; H. E. 022290 made in the Phoenix Land Office on April 30, 1913 by Wm. M. Ratliff.

. Surveyed under special instructions from the Surveyor . General for Arizona, dated October 19, 1914 and designated as Homestead Entry Survey No. 311.

Situated in T. 24 S., R. 21 E., in what will probably be, when surveyed, Secs. 17 and 18, Gila and Salt River Base and Meridian, Coronado National Forest, Arizona. Surveyed under the Acts of June 11, 1906 and June 30, 1914. sque dolaw estevert vd . sais . sao

end or these notes.

Survey commenced March 12, 1915, and executed with a Buff and Buff transit.

I test the adjustments of the transit and make necessary Thence W. 00° 08' W. corrections.

All measurements were made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

The courses of this survey were deflected from the meridian established by me on March 11 and 12, 1915 by direct solar observation at cor. No. 4 of H. E. S. 310, which is also cor. No. 1 of this survey.

Identical with cor. H-4 of the list survey, which is a granite stone 6 x 3 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of list cor. At this point I previous-

## HOMESTEAD ENTRY SURVEY NO. 311

# CORONADO NATIONAL FOREST STATE OF ARIZONA.

Chains

ly set cor. No. 4. H. E. S. 310, which is a quartzite stone, 16 x-8 x 10 ins. above, ground, marked 4 H E S 310 on NW. face with a mound of stone 3 ft. base, 2 ft. high NW. of cor. I mark 1 - H E.S 311 on NE. face of same stone for cor. No. 1 of this survey, whence:

A black oak 8 ins. dia., bears N. 64° 21' E., - 240 lks. dist., scribed 1 H E S 311 B T.

A white oak, 9 ins. dia., bears N. 12° 01' E., 277 lks. dist., scribed 1 H E S 311 B T.

International Boundary Post No. 100, which is an iron post six feet high, marked 100 on West face, bears S. 68° 34' 33" W., 96.73 chs. dist. by traverse which appears at the

Lat. 31° 20' 18" N., Long. 110° 14' 30" W., Hereford Quad. Mag. Va. at 3 p.m., 14° 32' E., Mean Mag. Va. 14° 34' E.

Thence N. 00° 08' W.

Along line 4-3 of H. E. S. 310. Descend 50 ft. to Montezuma Wash. of e ed . . erst feete drif 000

- 3.56 Montezuma Wash, 446 lks. wide, banks 2 ft. high, course SE. Ascend 25 ft.
- 8.78 Fence, bears N. 54° W. and S. 54° E.
  - 9.07 Enter cultivated land, bears NW. and SE.

end of these notes.

- 12.85 Leave cultivated land, bears NW. and SE.
  - 13.55 Fence, bears S. 54° E. and N. 54° W.
  - 13.60 Road, bears S. 54° E. and N. 54° W.
  - 19.30 Arroyo, 8 1ks. wide, banks 2 ft. high, course S. 57° E.
  - 24.66 Arroyo, 10 lks. wide, banks 2 ft. high, course SE.

- 30.66 Ridge. Descend 10 ft. to arroyo. Ridge bears NW. and SE.
- 32.06 Arroyo, 10 lks. wide, banks 2 ft. high, course S. 70° E. Ascend 25 ft. to ridge.

#### STATE OF ARIZONA

Chains Identical with cor. H-2 of the list survey, which 34.06 Enter timber, bears E. and W.

34.66 Ridge, descend 15 ft. to wash. Ridge bears NW. and SE.

Wash, 20 lks. wide, banks 3 ft. high, course S. 26° E. Ascend 15 ft. to cor.

stroy all trace of this 39.36 Fence, bears S. 35° E. and N. 35° W.

39.66 To cor. No. 2.

Descend

IZ x 6 ing., 14 ins. in the ground Identical with cor. H-3 of the list survey, which is a quartzite stone 6 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service. stroy all trace of this cor. At this point I previously set cor. No. 3, H. E. S. 310, which is a diorite stone 8 x 8 x 10 ins. above ground, marked 3 - H E S 310 on SW. face, with mound of stone 3 ft. base, 2 ft. high SW. of cor. I mark same stone 2 - H E S 311 on SE. face for cor. No. 2 of this survey, from which:

A black oak, 14 ins. dia., bears S. 36° 27' E., 116 lks. dist., scribed 2 H E S 311 B T.

A black oak, 14 ins. dia., bears N. 76° 20' E. 102 lks. dist., scribed 2 H E S 311 B T.

Rosd. bears NW. and SM.

Thence N. 89° 39' E.

Descend 10 ft. to arroyo. ersed some . Too sere T 60.41 Arroyo, 5 lks. wide, banks 1 ft. high, course S. 20° E. 0.50 Ascend 10 ft. to top of ridge.

Top ridge. Descend 25 ft. to arroyo. Ridge bears NW. & SE. 5.00

8.10 Cor. fences. Fence bears S. 55° W. and S. 42° E.

Arroyo, 10 lks. wide, bank 1 ft. high, course S. 35° E. 19.60 Ascend 10 ft. to ridge. f-H . Too driw [asidneb]

25.00 Ridge. Descend 10 ft. to arroyo. Ridge bears NW. and SE.

32.30 Arroyo, 10 lks. wide, bank 1 ft. high, course S. 60° E.

To sourt Descend 25 ft. to cor.

To cor, No. 3. disto sint of prefer holdw . Too gidt 39.70

#### STATE OF ARIZONA

Chains

has bed

orevious-

Identical with cor. H-2 of the list survey, which is a quartzite stone 6 x 3 x 6 ins. above ground, marked and witnessed as described by Forest Service. This stone is also marked for cor. H-4 of serial 024569. I destroy all trace of this list cor. which refers to this claim, and at this point I set a quartzite stone 24 x 12 x 6 ins., 14 ins. in the ground, over a small stone marked with a cross (+) chiseled 3 - H E S 311 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., from which:

A black oak, 6 ins. dia., bears S. 27° 50' E.,
79 lks. dist., scribed 3 H E S 311 B T.

A black oak, 4 ins. dia., bears S. 27° 35' W.,

1.50 lks. dist., scribed 3 H E S 311 B T.

Thence S. 00° 23' E.

Along line H-4 to H-1 of serial No. 024569. Descend

Thence M. 89° 59' E.

Arroyo, 5

8.10

- 5.10 Arroyo, 12 1ks. wide, banks 1 ft. high, course SE.
- 6.00 Arroyo, 14 lks. wide, banks'1 ft. high, course SE.
- 7.00 Leave timber, bears ESE. and NNW.
  - 9.45 Road, bears NW. and SE.
- 14.00 Fence cor. Fence bears S. 68° E. and N. 2° W.
- 14.10 Enter cultivated land, bears NW: and SE.

I mark same stone 2 - H A S 311 on SE.

- 26.30 Leave cultivated land, bears E. and W.
- 27.50 Fence, bears NE. and SW.
- 30.65 Road, bears NE. and SW.
- 39.87 To cor. No. 4. If I shed , oblw . sif OI , ovotrA

Identical with cor. H-1 of the list survey, which is a granite stone 16 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. This is also cor. H-1 of H. E. 024569. I destroy all trace of this cor. which refers to this claim and at this point

-2349

#### STATE OF ARIZONA

Chains

I set a diorite stone 24 x 8 x 5 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled 4 - H E S 311 on NW. face. No bearings available, therefore dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding line 3-1/2 ft. dist.; and raise a mound of earth and rock 4 ft. base, 2 ft. high, 7 ft. 00. 0 dist. NW. of cor. - - Sulsy

. 8 27 89 March 12, 1915.

. March 13, 1915. .... outsv

Thence S. 89° 58' W.it . . It SI x SI . TELISO foot A

. Descend 10 ft. to arrayo. 08.8 ... 'da ere ...

7.57 Cor. H-1 of List 3-3562 of Elmer L. Hertel, which is a quartzite stone 12 x 12 x 6 ins. above ground, chiseled H-1 on SE. face, with mound of stone around cor.

13.84 Arroyo, 18 lks. wide, banks 2 ft. high, course SSE. Descend 10 ft. to wash.

26.78 Left bank Montezuma wash, 2 ft. high, course SE.

32.74 Right bank Montezuma wash, 2 ft. high, course SE. 

To cor. No. 1, the place of beginning. 39.88

Horthern portion is carred with oak timber whos

Total area - - - - - - - - - - - 158.23 acres

There is no merchantable timber on this tract.

# by arroyos and wisterments. Improvements we advorce you

reat consists of bottom land and a large

The improvements made upon and for the benefit of this homestead and belonging to the applicant consist of the following:

A frame dwelling 40 x 24 ft., the long side of which bears NE. and SW. and the SW. cor. of which bears S. 35° 06' E., 9.20 chs. dist. from cor: No. 2.

.noitevitino roban evalue ------- \$600.00

### HOMESTEAD ENTRY SURVEY NO. 311

### CORONADO NATIONAL FOREST

#### STATE OF ARIZONA

# DESCRIPTION of .12 OF breese

This claim is situated on Montezuma wash at southeast end of Huachuca Mountain, about 1/2 mile North of the International line. The general slope is to the Southeast.

There is no merchantable timber on this tract, but the

Northern portion is covered with oak timber whose only

value is for post and fire wood.

The tract consists of bottom land and a large flat cut
by arroyos and with gradual SE. slope. The bottom
land is sandy loam and produces crops. The flat is
level with sandy loam and will probably produce crops
with irrigation.

Water for both irrigation and domestic use is obtained from a 36 ft. well by use of windmill and
gas pump.

There is approximately 30 acres under cultivation.

#### STATE OF ARIZONA

Chains

I saw no indication of mineral upon this claim.

Hereford, the nearest post office and railroad point,
is 15 miles NE. and is reached by a good wagon road.

#### CONFLICTING AND ADJOINING CLAIMS

There are no known conflicting claims.

The claim is joined on West by H. E. S. No. 310 of Ed Ratliff son of applicant; on East by H. E. No. 024569 of Cornelius N. Driscoll, and on South by List 3-3562 of Elmer L. Hertel.

				TRAV	ERSE			
Cor.	Cour	rse		Dist.	N	S	E	W
1-2 N. 2-3 N. 3-4 S. 4-1 S.	00		W. E. W.	39.66 39.70 39.87 39.88	39.66 0.24	39.87 0.02	39.70 0.27	0.09
Error i	n Lat	t. a	nd :	159.11 Dep.	39.90 39.89 0.01	39.89	39.97 39.97 0.00	39.97

TIE

Cor. No. 1 to International Boundary Monument No. 100

	Cou	rse		Dist.	N	S	E	W
s. N.	0° 25° 84° 58°	08' 22' 22' 28'	E. W. W.	5.00 46.16 61.94 10.13	6.08/	5.00 41.71	0.01	19.78 61.64 8.63
***	•	~		123.23	11.38	46.71	0.01	90.05

Therefore International Monument No. 100 bears S. 68° 34' 33" W., 96.73 chs. dist. from cor. No. 1. Survey completed March 13, 1915.

Surveyor - Draftsman.

-2349

## HOMESTEAD ENTRY SURVEY NO.

## NATIONAL FOREST

# STATE OF LINA TO MIATE

Transfer	
18 15 miles NE. and is reached by a good wagon road.  OCHPLICING AND ADJOINING CLAIMS here are no known conflicting claims.  De claim is joined on "est by H. E. S. No. 810 of Sd.  Ratliff son of applicant; on East by H. E. Wo. C24569  of Cornelius N. Driscoll, and on South by List 5-Sb65  OT Glamer L. Hertal.  Cor. Gourse Dist. N S S S S S S S S S S S S S S S S S S	hains .mislo sidt mogu faranim to moltsoibni on was
Ochpricting and adjoints claims.  here are no known conflicting claims.  he claim is joined on Mest by H. E. S. No. 810 of Ed  hatliff son of applicant; on Esst by H. H. No. 024569  of Cornelius M. Driscoll, and on South by Liet 2-5568  of Simer L. Hertal.  TRAVERSE  Cor. Course Dist. M S S S V  -2 M. 0° 08' W. 59.66 52.66  -3 H. 88° 59' D. 59.70 0.24 59.70  -4 S. 0° 25' H. 59.87 0.24 59.87 59.87  -1 S. 88° 58' W. 59.88 59.89 39.97 58' 97  Tror in Tat. and Dep. 0.01 0.01  Course Dist. M S B W  Cor. No. 1 to International Boundary Monument No. 100  Course Dist. M S B W  Course Dist. M S B B W  Cour	ereford, the nearest post office and railroad point,
here are no known conflicting claims.  he claim is joined on West by H. E. S. No. 510 of Ed  Ratliff son of applicant; on East by H. R. Wo. 054569  of Cornelius M. Driscoll, and on South by Liet 2-5565  of Slmer L. Hertel.  Cor. Gourse Dist. M S B F  -2 M. 0° 08' W. 39.56 52.56  -3 M. 88° 39' B. 39' 70 0.84  -4 S. 0° 85' B. 39' 70 0.84  -4 S. 0° 85' B. 39' 70 0.84  -4 S. 0° 85' B. 39' 70 0.84  -5 Be Se Se W. 39.86 52.86  -1 S. 88° 58' W. 39.86 52.89  Course Dist. M S B W  Course Dist. M S B S S B W  Course Dist. M S B B W  Course Dist. M S B W	is 15 miles ME. and is reached by a good wagon road.
here are no known conflicting claims.  he claim is joined on Nest by H. B. S. No. 510 of Ed  Ratliff son of applicant; on East by H. R. No. 054569  of Cornelius M. Driscoll, and on South by Liet 2-5565  of Slmer L. Hertal.  Cor. Gourse Dist. M S S N  -2 M. 0° 08' W. 39.56 52.56  -3 N. 88° 58' H. 39° 70 0.84  -4 S. 0° 85' H. 39° 87 0.97  -1 S. 88° 58' W. 39.56 52.58  Corr in Lat. and hep. 0.01  Course Dist. M S S W  Course Dist. M S S S W  Course Dist. M S S S S S S S S S S S S S S S S S S	
There are no known conflicting claims.  The claim is joined on West by H. E. S. No. 310 of Ed Ratliff son of applicant; on East by H. R. Wo. 024569 of Cornelius M. Driscoll, and on South by List 2-2562 of Almer L. Hertal.  THAVERSE TH. 89° 58' H. 39° 56 59° 56 50° 70° 70° 82' H. 39° 58' H. 39° 56 59° 56 59° 56 59° 56 59° 56 59° 56 59° 50° 70° 71° 58° 58' W. 39° 56 59° 58° 70° 71° 58° 58' W. 39° 56 59° 58° 58° 70° 71° 58° 58° W. 39° 56 59° 58° 70° 71° 58° 58° W. 39° 58° 58° 58° 70° 71° 58° 58° W. 39° 58° 58° 71° 58° 58° 71° 58° 7	CONFRICTING AVD ADJOINING CLAIMS
he claim is joined on West by H. E. S. No. 510 of Ed Ratliff son of applicant; on East by H. E. No. 064569 of Cornelius N. Priscoll, and on South by Liet 2-5562 of Elmer L. Hertal.  Cor. Gourse Dist. B S Z W TRAVERSE CO. 0.08 W. 59.66 59.66 59.66 59.66 59.67 0.24 59.70 0.24 59.70 0.24 59.87 0.25 1. 59.87 0.27 0.24 59.87 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.25 1. 59.87 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.2	
Ratliff son of applicant; on East by H. R. No. 084569 of Cornelius N. Driscoll, and on South by List 3-5562 of Elmer L. Hertel.  Cor. Gourse Dist. B S E W -2 N. 0° 08' W. 59.56 59.56 0.09 -3 N. 89° 59' H. 59.70 0.24 59.70 -4 S. 0° 25' H. 59.87 89.87 0.27 -1 S. 89° 58' W. 59.88 10.02  Course Dist. R S E W Course Dist. R S B B W -2 0° 08' E 5.00 5.00  Course Dist. R S B W -2 0.01 50.00 -3 0.01 -3 0.05 5.00 -3 0.01 -3 0.05 5.00 -3 0.00 -	
of Cornelius M. Briscoll, and on South by Liet 3-5562  of Elmer L. Hertal.  Cor. Gourse Dist. M S S W W S9.56 59.56 0.09  -2 M. 0° 08' W S9.56 59.56 0.09  -3 H. 88° 38' H. 59.70 0.84 89.87 0.07  -1 S. 88° 58' W S9.88 0.02 88 89.97 39.97  LEVIL 59.80 69.89 89.97 39.97  Tror in Lat. and Bep. 0.01 0.01 0.00  Course Dist. M S B W C W Course Dist. M S B W A1.71 19.78  Course Dist. M A1.74 19.78  Course D	
of Blmer L. Hertel.  TRAVERSE  Cor. Gourse Dist. N S B W  S N. 89 56 59 56  S N. 89 59 B. 59 70 0.84  S N. 89 58 W. 59 88 0.87  L. S. 89 58 W. 59 88 0.02 88 89 89 70  Tror in Lat. and Bep. 0.01  Course Dist. N S B W  Co	
THAVEREE  Cor. Course Dist. W S	of Cornelius M. Driscoll, and on South by List 3-5552
Cor. Gourse Dist. N S S N V S N S N V S N S N S N S N S N	of Blmer L. Hertel.
Cor. Gourse Dist. N S S N V S N S N V S N S N S N S N S N	
-2 M. 0° 08' W. 39.66 59.66	THAVERSE
## 1. ## 1.	Cor. Course Dist. N S E W
29.87	
-1 S. 89° 58' W. 59.88 0.02 39.89	
Tror in Lat. and Dep. 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.	-1 S. 89° 58' W. 39.88 0.02 59.88
Tror in Lat. and Bep. 0.01 0.00  Losing error 1:15911.  Cor. No. 1 to International Boundary Monument No. 100  Course Dist. N S E W  Course Dist. N S E W  . 0° 08' E. 5.00 0.01  . 25° 72' W. 46.16 41.71 19.78  . 64° 22' W. 61.94 6.08 61.64  . 58° 28' W. 10.13 5.30 8.65  183.25 11.36 46.71 0.01 90.05  Therefore International Monument No. 100 bears S.  Therefore International Monument No. 100 bears S.  68° 34' 33" W., 96.73 chs. dist. from cor. No. 1.	70 07 07 07
TIB  Gor. No. 1 to International Boundary Monument No. 100  Course Dist. N S B W  COURSE Dist. N S B W  COURSE Dist. N S B W  COURSE DISC A1.71  COURSE SI W G1.94  COURSE SI W G1.96  C	rror in Lat. and Dep. 0.01
Corrse Dist. N S E W  Course Dist. N S E W  . 00 08' E. 5.00 5.00 0.01  . 25° 22' W. 46.16 41.71 19.78  . 84° 22' W. 61.94 6.08 61.64  . 88° 28' W. 10.13 5.30 8.65  . 58° 28' W. 10.13 5.30 90.05  Therefore International Monument No. 100 bears 8.68° 34' 35" W., 96.73 chs. dist. from cor. No. 1.	Losing error 1:15911.
Course       Dist.       N       B       E       W         . 0° 08' E.       5.00       0.01       19.78         . 25° 22' W. 46.16       41.71       19.78         . 64° 22' W. 61.94       6.08       61.64         . 58° 28' W. 10.13       5.30       8.65         . 133.25       11.38       46.71       0.01       90.05         . 11.38       0.01       90.04         Therefore International Monument Wo. 100 bears S.       68° 34' 33" W., 96.78 ehs. dist. from cor. Wo. 1.	HIT
0° 08' E. 5.00	Cor. No. 1 to International Boundary Monument No. 100
ESO 22' W. 61.94 6.08 61.64 61.64 61.64 61.64 61.64 61.64 61.66 61	Course Dist. N S E W
ESO 22' W. 61.94 6.08 61.64 61.64 61.64 61.64 61.64 61.66 61	10.0 00.8 5.00 00.8 .7 '80 °0 .
Therefore International Monument No. 100 bears S.  68° 34' 33" W., 96.73 ehs. dist. from cor. No. 1.	. 25° 22' W. 46.16 41.71 19.78
183.28 11.38 46.71 0.01 90.05  11.38 0.01  11.38 0.01  35.38 90.04  Therefore International Monument No. 100 bears 8. 68° 34' 33" W., 96.73 chs. dist. from cor. No. 1.	. 64° 22' W. 61.94 6.08
11.38 0.01	183.83 11.38 46.71 0.01 90.05
Therefore International Monument No. 100 bears S. 68° 34' 33" W., 96.78 ehs. dist. from cor. No. 1.	11.58 0.01
68° 34' 33" W., 96.73 ohs. dist. from cor. No. 1.	86.8% 90.04
	Therefore International Monument No. 100 bears 8.
hrvey completed March 15, 1915.	68° 34' 33" W., 96.73 ohs. dist. from cor. No. 1.
	nrvey completed March 15, 1915.

Surveyor - Drafteman.

0 0040

158 227 3177 64 20)3164 54 S. AREAS. DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected floure or figures above in red ink. Do not change the footing of the lines.

Put the corrected floure or figures above in red ink. Do not change the lengths of the lines.

The corrections for balancing fallings should be proportional to the lengths of the lines.

The corrections for balancing fallings should be proportions of N: and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

3. In calculations of fallings take result to nearest link. In calculations denoral, and the Commissioner. 53 10 57 13 N. AREAS. 50 STATE OF Arizona D. 40 06 60 39 70 79 67 DOUBLE M. 88 60 39 97 WEST. 29 0 DEPARTURES. 311 27 96 20 EAST. 0 33 HOMESTEAD ENTRY SURVEY NO 3991 68 623 87 SOUTH. 39 0 LATITUDES 90 99 06 24 39 39 0 TABLING AND CALCULATIONS OF DISTANCE. 39.87 39.66 39,88 159.11 39.70 error 1:1591 E. W. E -N. 89° 391 58 23 00 081 BEARING. ô 880 · · ω. Sheet No. 3.—Revised Feb., 1915. Closing 1-2 2-3 4-1 3-4 CORNERS. 8-2349

Acres

13 10

44 20

## APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, August 8, 1917 The foregoing field notes of Homestead Entry Survey No.

311

executed by R. P. A. Johnson, Surveyor-Draftsman under his special instructions, dated October 19, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of Arizona , has been correctly copied from the original notes on file in this office.

Frank P. Trott
U. S. Surveyor General.

8-2349