

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

175

MAY 7 - 1917

JUN 25 1917

JUL 11 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 446

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 27 , unsurveyed, Township 11 N., Range 10 E.
In Section 33 , unsurveyed, Township 11 N., Range 10 E.
In Section 34 , unsurveyed, Township 11 N., Range 10 E.

of the

Gila and Salt River Base & Meridian.

State of

Arizona.

Applicant for listing C. H. Risser ✓
Residence Payson, Arizona.
Application No. 372 ✓ , dated September 14 , 19 12 ✓ and
December 21 , 1914. ✓
List No. 3-3006 ✓ , dated December 30 , 19 13 and
~~List No. 3-3519 ✓ , dated February 19 , 1915~~

Applicant for survey C. H. Risser
Residence Payson, Arizona
H. E. No. 025441 ✓ , dated July 17 , 19 14 ✓
Office
Land District Phoenix, Arizona.

Survey executed by R. P. A. Johnson, Surveyor - Draftsman
[Forest Service Title.]
Under special instructions dated January 7 , 19 16 ✓
Survey commenced May 13 , 19 16
Survey completed May 19 , 19 16
Under Acts of June 11, 1906 and March 4, 1915.

OATH OF ASSISTANTS

We hereby certify that we assisted

R. P. A. Johnson
Surveyor Draftsman [Forest Service Title.] in surveying all those

parts or portions of Homestead Entry Survey No. *446*, 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.

Nelson F. Newman Chairman

Ferry D. Lewis Chairman

Subscribed and sworn to before me this *twenty seventh* day of *May*, 19*16*.

R. P. A. Johnson
Surveyor Draftsman

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 *January 7, 1916*, 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 3-3006, dated December 29 1913 and List No. 3-3519, dated February 19, 1915, for patent., under the Act of *June 11, 1906*, the same to be known as Homestead Entry Survey No. *446*, situated within the *Sonto* National Forest, in *Unsurveyed Section 27, Township 11 N., Range 10 E., and Unsurveyed Section 33, Township 11 N., Range 10 E., and Unsurveyed Section 34, Township 11 N., Range 10 E.*

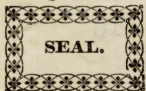
of the *Gila and Salt River Basins* meridian, *Arizona*, and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated 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.

DISTRICT OF COLUMBIA

R. P. A. Johnson
Surveyor Draftsman [Forest Service Title.]

Subscribed and sworn to before me this *twelfth (12th)* day of *January*, 19*17*.

Sylvester L. McQuinn
NOTARY PUBLIC, D. C.



Commission expires June 20, 1918

Chains

Applicant for listing, C. H. Risser; Application No. 372, dated September 14, 1912 and December 21, 1914; Lists No. 3-3006 and 3-3519, dated December 30, 1913 and February 19, 1915; H. E. 025441 made in the Phoenix Land Office on July 17, 1914 by C. H. Risser, based on List 3-3006.

Surveyed under special instructions from the Surveyor General for Arizona, dated January 7, 1916 and designated as Homestead Entry Survey No. 446.

Situated in what will probably be, when surveyed, Secs. 27, 33, and 34 T. 11 N., R. 10 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

Survey commenced May 13, 1916, and executed with a Buff and Buff transit, equipped with Smith solar attachment.

I test the adjustments of the transit and make necessary corrections.

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

May 13, 1916, p.m.

I observe Polaris for azimuth at Cor. No. 1. The reading on the reference object west of star is set at zero. My watch is set for local mean time.

Lat. $34^{\circ} 15' 13''$ N., Long. $111^{\circ} 19' 30''$ W. from special instructions from the Surveyor General.

Chains

Telescope	Time	Horizontal Angle
Direct	6h. 31m. 18s.	5° 59' 15"
l.m.t. obsn. May 13 p.m.		6h. 31.3m.
l.m.t. U.C. Polaris May 13 a.m.	10h. 05.5m.	
	8h. 25.8m.	
Long. Correction		<u>1.2m.</u>
Hour angle Polaris at obsn.		8h. 27.0m.
Azimuth of Polaris		1° 05' 48" W.
Bearing of reference object N.		7° 05' 03" W.

May 13, 1916 p.m.

I again observe Polaris for azimuth at Cor. No. 1. The reading on the reference object west of star is set at zero.

Telescope	Time	Horizontal Angle
Reversed	6h. 34m. 36s.	6° 00' 30" W.
l.m.t. obsn. May 13 p.m.		6h. 34.6m.
l.m.t. U.C. Polaris May 13 a.m.	10h. 05.5m.	
	8h. 29.1m.	
Long. Correction		<u>1.2m.</u>
Hour Angle of Polaris at obsn.		8h. 30.3m.
Azimuth of Polaris		1° 04' 48" W.
Bearing of reference object N.		7° 05' 18" W.

The mean of these is N. 7° 05' 10" W. and to corresponding meridian all courses of this survey are referred.

May 17, 1916.

Beginning at Cor. No. 1

Deposit broken glass 14 ins. in the ground, over which set a granite stone 24 x 10 x 8 ins. chiseled + for the point and L-H E S 446 on NE. face; raise a mound of stone 4 ft. base, 2 ft. high NE. of cor., whence:

An oak 8 ins. dia. bears N. 74° 25' W. 44 lks. dist., scribed L H E S 446 + B T.

An oak 7 ins. dia. bears S. 31° 16' W. 74 lks.

Chains

dist., scribed 1 H E S 446 + B T.

Cor. H-1 of the list survey, which is an imbedded granite stone 30 x 30 x 24 ins. above ground, marked and witnessed as described by the Forest Service bears N. 12° 50' W. 24 lks. dist. I destroy all trace of this list cor.

Cor. H-8 of the list survey, which is a sandstone 9 x 3 x 6 ins. above ground, marked and witnessed as described by the Forest Service bears N. 64° 17' E. 61 lks. dist. I destroy all trace of this list cor.

Cor. for Secs. 3, 4, 33 and 34, T. 10 & 11, N., R. 10 E, a granite stone 10 x 6 x 6 ins. above ground, marked and witnessed as described by the Surveyor General bears S. 4° 05' E. 41.02 chs. dist. (by traverse which appears at the end of these notes).

Lat. 34° 15' 13" N., Long. 111° 19' 30" W. from special instructions from the Surveyor General.

Mag. Var. at 8 a.m. 14° 20' E.

Mean Mag. Var. 14° 17' E.

Thence N. 12° 50' W.

Over level land, along road in edge of brush.

9.24 Cor. No. 2.

Identical with Cor. H-2 of the list survey, which is a granite stone 9 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor. Deposit broken glass 14 ins. in the ground, over which set a sandstone 24 x 15 x 5 ins. chiseled + for the point and 2-H E S 446 on E. face; raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence;

Chains

A yellow pine 20 ins. dia. bears S. 38° 41' W.
35 lks. dist., scribed 2 H E S 446 + B T.
An oak 8 ins. dia. bears S. 72° 45' E. 92 lks.
dist., scribed 2 H E S 446 + B T.

Thence N. 7° 21' E.

Over level land, along road in edge of brush.

25.72 Cor. No. 3.

Identical with Cor. H-3 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 this list cor. Deposit a broken glass 14 ins. in the ground, over which set a granite stone 24 x 8 x 6 ins. chiseled + for the point and 3-H E S 446 on SE. face; raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

An oak 16 ins. dia. bears S. 0° 38' W. 53 lks. dist., scribed 3 H E S 446 + B T.

An oak 24 ins. dia. bears N. 57° 24' E. 104 lks. dist., scribed 3 H E S 446 + B T.

Thence S. 84° 00' E.

Ascend gentle slope 25 ft. in brush.

.55 Road bears N. and S.

.70 Fence cor. Fence bears S. and S. 84° 00' E.

10.00 Top ascent.

12.62 Fence cor. Fence bears North and along line. Descend gentle slope 25 ft. in brush to cor.

28.98 Cor. No. 4.

Identical with Cor. H-4 of the list survey, which is a granite stone 5 x 4 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit broken glass 14 ins. in the ground, over which set

Chains

a granite stone 24 x 12 x 8 ins. chiseled + for the point and 4-H E S 446 on SE. face; raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

An oak 8 ins. dia. bears S. 55° 20' E. 69 lks. dist., scribed 4 H E S 446 + B T.

An oak 18 ins. dia. bears N. 30° 00' E. 54 lks. dist., scribed 4 H E S 446 + B T.

Thence N. 45° 27' E.

In heavy brush, over level land. Fence on line.

24.86 cor. fence. Fence bears S. 67° E. Leave fence.

25.07 Cor. No. 5.

Identical with Cor. H-5 of the list survey, which is a sandstone 10 x 4 x 5 ins. above ground, marked and witnessed as described by the forest Service. I destroy all trace of this list cor. Deposit broken glass 14 ins. in the ground, over which set a sandstone 24 x 8 x 8 ins. chiseled + for the point and 5 H E S 446 on S. face; raise a mound of stone 3 ft. base, 2 ft. high S. of cor., whence:

An oak 6 ins. dia. bears S. 7° 31' W. 76 lks. dist., scribed 5 H E S 446 + B T.

An oak 5 ins. dia. bears N. 79° 50' E. 6 lks. dist., scribed 5 H E S 446 + B T.

Thence N. 69° 10' E.

In brush, over level land. Leave list 3-3006 and enter list 3-3519.

15.35 Arroyo 20 lks. wide, 3 ft. deep, course S. 50° 00' W.

23.88 Cor. No. 6.

Identical with Cor: H-10 of the list survey, which is a granite stone 8 x 6 x 5 ins. above ground, marked and witnessed as described by the forest Service. I

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HOMESTEAD ENTRY SURVEY NO. 446

6.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

destroy all trace of this list cor. Deposit broken glass 16 ins. in the ground, over which set a sandstone 26 x 12 x 8 ins. chiseled + for the point and 6-H E S 446 on S. face; raise a mound of stone 3 ft. base, 2 ft. high S. of cor., whence:

A juniper 20 ins. dia. bears N. 74° 31' W. 26 lks. dist., scribed 6 H E S 446 + B T.

A juniper 8 ins. dia. bears N. 5° 12' E. 53 lks. dist., scribed 6 H E S 446 + B T.

Thence S. 6° 06' E.

Over level land in edge brush, fence on line.

6.29 Cor. No. 7.

Identical with Cor. H-9 of the list survey, which is a sandstone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit broken glass 14 ins. in the ground, over which set a sandstone 24 x 12 x 4 ins. chiseled + for the point and 7-H E S 446 on SW. face; raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:

An oak 8 ins. dia. bears S. 12° 12' E. 6 lks. dist., scribed 7 H E S 446 + B T.

An oak 6 ins. dia. bears N. 51° 03' E. 57 lks. dist., scribed 7 H E S 446 + B T.

Thence S. 40° 48' W.

Over level land in edge of timber. Fence on line.

14.00

Cor. H-6 of the list survey, which is a sandstone 9 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave list 3-3519, enter list 3-3006.

25.10

Cor. fence. Fence bears N. 60° W. Continue along fence

38.66

Cor. No. 8.

TONTO NATIONAL FOREST
STATE OF ARIZONA

Chains

Identical with Cor. H-7 of the list survey, which is a granite stone 10 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a granite stone 4 x 2 x 2 ins., marked with a + 14 ins. in the ground, over which set a granite stone 24 x 8 x 4 ins. chiseled + for the point and 8-H E S 446 on NW. face; raise a mound of stone 3 ft. base, 2 ft. high NW. of cor., whence:

An oak 12 ins. dia. bears N. 75° 58' W. 49

lks. dist., scribed 8 H E S 446 + B T.

A pinon 8 ins. dia. bears N. 7° 44' E. 80

lks. dist., scribed 8 H E S 446 + B T.

May 18, 1916.

May 19, 1916.

Thence S. 64° 17' W.

Over level land in brush. Fence on line.

42.00 Fence cor. Fence bears NE. and along line.

47.50 Fence cor. Fence bears N. Leave fence.

49.30 Arroyo 20 lks. wide, 3 ft. deep, course SW.

50.10 Road bears NNW. and SSE.

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

AREA

Total Area - - - - - 153.04 Acres.

IMPROVEMENTS

A frame house 20 x 18 ft., the long side of which bears N. and S. and NW. cor. of which bears S. 77° 07' E. 2.17 chs. dist. from Cor. No. 2.

Value - - - - - \$250.00

A frame barn and stable 50 x 50 ft., the NW. cor. of which bears S. 30° 45' E. 3.10 chs. dist. from Cor. No. 2.

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8.

HOMESTEAD ENTRY SURVEY NO. 446

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Value - - - - - \$400.00

A well 35 ft. deep bears N. 13° 50' E. 8.02 chs. dist.
from Cor. No. 1.

Value - - - - - 50.00

DESCRIPTION

This claim is situated on Landon Flat at an elevation of approximately 5200 ft. The land is level with slight general slope to SW.

The greater portion of claim is open land, part of which is a natural park and part cleared land.

The timber consists of oak, juniper and pinon, which lies along the boundary lines and is valuable only as fence posts and fire wood.

The soil is a sandy loam of good depth and produces good crops.

There is no water for irrigation and none is necessary.

Water for domestic use is obtained from a 35 ft. well.

There are approximately 70 acres in cultivation.

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims.
H.E.S. 123 lies approximately 10 chs. N. of this claim.
Payson, Arizona, the nearest postoffice and commercial center is 1-1/2 miles to the SW. and is reached by good wagon road.

Chains

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 12° 50' W.	9.24	9.01			2.05
2-3	N. 7° 21' E.	25.72	25.51		3.29	
3-4	S. 84° 00' E.	28.98		3.03	28.82	
4-5	N. 45° 27' E.	25.07	17.59		17.87	
5-6	N. 69° 10' E.	23.88	8.49		22.32	
6-7	S. 6° 06' E.	6.29		6.25	.67	
7-8	S. 40° 48' W.	38.66		29.27		25.26
8-1	S. 64° 17' W.	50.64		21.97		45.62
		208.48	60.60	60.52	72.97	72.93
			60.52		72.93	
			.08		.04	

Error in Lat. and Dep. ✓
Closing error 1:2330

Survey completed May 19, 1916.

A. J. Johnson

Surveyor - Draftsman.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

DIRECTIONS.—1. Carry out calculations to two decimals only.
 2. In balancing Latitudes and Departures 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 link. In calculations 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.
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 446, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	N. 12° 50' W.	9.24	9 01			2 05		18 47			
2-3	N. 7° 21' E.	25.72	25 51		3 29	3 28		83 64			
3-4	S. 84° 00' E.	28.98		3 03	28 82	35 37			107 52		
4-5	N. 45° 27' E.	25.07	17 59		17 87	82 05		1442 44			
5-6	N. 69° 10' E.	23.88	8 49		22 32	122 24		1036 60			
6-7	S. 6° 06' E.	6.29		6 25	67	145 23			907 69		
7-8	S. 40° 48' W.	38.66		29 27	25 26	120 63			3533 25		
8-1	S. 64° 17' W.	50.64		21 97	45 62	49 73			1093 56		
			60 60	60 52	72 97	72 93		2581 15	5642 02		
			60 57	60 57	72 95	72 95			2581 15		
			Traverse for Tie.							2 13060 87	
	S. 12° 40' E.	12.67		12 36	2 78						
	S. 14° 17' E.	14.64		14 19	3 61						
	S. 14° 29' W.	14.84		14 37	3 71						
	East	.24			24						
				40 92	6 63						
				00	3 71						
				40 92	2 92						
Resultant course and distance S. 4° 05' E. 41.02 chs.											

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F.M.H.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 19 1917 , 191

The foregoing field notes of Homestead Entry Survey No.

446

executed by *R. P. A. Johnson, Surveyor-Draftsman* [Forest Service Title.]
under his special instructions, dated *January 7* , 1916, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
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.