

ORIGINAL
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

79

18 2 1910
APR 11 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 506

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 3 , unsurveyed, Township 2 S. , Range 28 E.

In Section 4 , unsurveyed, Township 2 S. , Range 28 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Christopher Columbus Johnson,

Residence Metcalf, Arizona

Application No. 109 , dated March 4 , 1910

List No. 3-970 , dated January 1 , 1911

Applicant for survey James Trainor Johnson,

Residence Metcalf, Arizona

H. E. No. 030618 , dated July 6 , 1916

Office
Land District Phoenix, Arizona

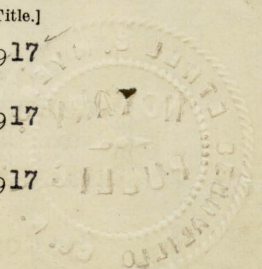
Survey executed by Lee C. Daves, Surveyor - Forest Service
[Forest Service Title.]

Under special instructions dated February 9 , 1917

Survey commenced March 29 , 1917

Survey completed March 30 , 1917

Under Acts of , June 11, 1906 and August 11, 1916



OATH OF ASSISTANTS

We hereby certify that we assisted **Lee C. Daves,**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]
parts or portions of Homestead Entry Survey No. **506**, 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 estab-
lished, according to the instructions furnished by the United States
Surveyor General for **Arizona.**

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

P. J. Ambrose, Chairman
John H. Collett, Jr., Chairman

Subscribed and sworn to before me this **15th** day of
July, 19 **17**.

L. C. Daves

Surveyor, Forest Service

OATH OF SURVEYOR

I, **Lee C. Daves, Surveyor, Forest Service**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **ARIZONA**, dated
February 9, 19**17**, 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. 3-970, dated January 1, 1911, and a tract
of land upon the application of Christopher Columbus Johnson,

Application, No. **109**, dated **March 4**, 19**10**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **506**,
situated within the **Apache** National Forest, in
unsurveyed Section **3**, Township **2 S.**, Range **28 E.**, and
unsurveyed Section **4**, Township **2 S.**, Range **28 E.**,

of the **Gila & Salt River Base & 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.

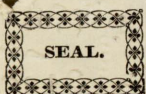
L. C. Daves

Surveyor Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of
October, 19 **18**

Ethel G. Myers

Notary Public.



HOMESTEAD ENTRY SURVEY NO. 506

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Christopher Columbus Johnson; Application No. 109, dated March 4, 1910; List No. 3-970, dated January 1, 1911; H. E. 030618 made in the Phoenix Land Office on July 5, 1916, by James Trainor.

Also a tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character and was desired by claimant and will be listed as a basis for amendment of his entry. This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 9, 1917 and designated as Homestead Entry Survey No. 506.

Situated in what will probably be, when surveyed, secs. 3 and 4, T. 2 S., R. 28 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced March 29, 1917 and executed with a Buff and Buff transit No. 9702, 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.

The location as given in the List Survey shows this claim to be in Sec. 29, T. 1 S., R. 28 E. This location is in error. The retracement and connection shows the claim to be in Secs. 3 and 4, T. 2 S., R. 28 E. Application No. 103 covered a tract of land applied for by Allen Cook. Mr. Cook withdrew his application, and land is unlisted. No connection was therefore made to H. A. No. 103, as called for by special instructions.

TRINIDAD NATIONAL FOREST

STATE OF ARIZONA

Chains March 29, 1917.

At cor. No. 11, hereinafter described, in Lat. $33^{\circ} 17' 49''$ N., Long. $109^{\circ} 27' 20''$ W., from Forest Service Base Map. I observe Polaris at Western Elongation at 6h. 58.8m. p.m., l.m.t., as follows:

Reference mark a light on a stake about 20.00 chs. northwardly of my station.

Angles by repetition from Star to Mark. (Mark W. of Star)

1. $1/6 (60^{\circ} 38' 22'') = 10^{\circ} 06' 24''$ (3 direct and 3 reversed)

2. $1/4 (40^{\circ} 26' 45'') = 10^{\circ} 06' 41''$ (2 direct and 2 reversed)

Diff. bet. obsns. = $0^{\circ} 00' 17''$

Azimuth of Star at W. Elongation, $178^{\circ} 38' 38''$

Mean angle, $10^{\circ} 06' 33''$

Azimuth of Mark, $168^{\circ} 32' 05''$

Accept bearing of mark as N. $11^{\circ} 28'$ W., from which all courses are determined by angulation.

March 29, 1917.

RETRACEMENT

March 30, 1917.

From the $1/4$ Sec. cor. bet. Secs. 3 and 34, on S. bdy.

T. 1 S., R. 28 E., which is an iron post 1 in. in dia.

showing 10 ins. above ground, with brass cap marked 1914

on S. rim; S 34 $1/4$ on N. half and S 3 on S. half, wit-

nessed as described by the Surveyor General.

Thence West.

Retracing line bet. Secs. 3 and 34, W/2.

40.06 Intersect the cor. of secs. 3, 4, 33 and 34, which is an

iron post, 2 ins. in dia., showing 24 ins. above ground,

with brass cap marked 1914 on S. rim; T 1 S on N. half

and R 28 E on W. half, S 34 in NE., S 3 in SE., S 4 in

SW. and S 33 in NW. quadrants, witnessed as described

by the Surveyor General.

True line is therefore West, 40.06.

Thence West.

HOMESTEAD ENTRY SURVEY NO. 506

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Retracing line bet. secs. 4 and 33, E/2.
 40.02 Intersect. the 1/4 sec. cor. bet. secs. 4 and 33, which is an iron post 1 in. dia., showing 26 ins. above ground, with brass cap marked 1914; S. 34 1/4 on N. half and S. 4 on S. half, witnessed as described by the Surveyor General. True line is therefore West, 40.02 chs.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1 and Closing Corner on line bet. Secs. 3 and 34,

Deposit a granite stone 5 x 3 x 3 ins. marked with a + 14 ins. in the ground, over which set a granite stone 24 x 16 x 9 ins., chiseled + for the point, C C on S. face and 1-H E S 506 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high S. 8° 05' E. of cor. on closing line.

No witnesses available. Pits impracticable.

The 1/4 sec. cor. bet. Secs. 3 and 34, heretofore

described, bears East, 13.80 chs. dist.

The Cor. of Secs. 3, 4, 33, and 34, heretofore described, bears West, 26.26 chs. dist.

Lat. 33° 17' 49" N., Long. 109° 27' 20" W., from Forest Service Base Map.

Mag. decl. at 7:00 a.m., 13° 30' E. Mean mag. decl., 13° 27' E.

Thence S. 8° 05' E.

Over unlisted open land. Desc. 40 ft. to cor.

8.00 Bottom desc. E. and W. Thence over creek bottom.

9.00 Cor. H-4 of the list survey, which is a granite stone 16 x 14 x 4 ins. above ground, marked and witnessed as described, by the Forest Service. I destroy all trace of this list cor. Leave unlisted and enter listed land.

10.60 Double Circle - Metcalf trail bears N. 70° W. and S. 70° E.

TERAPACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains Enter scattering oak timber.

14.00 Middle of Sheep Wash, 250 lks. wide, 4 ft. deep. Course West.

16.67 To Cor. No. 2. Identical with cor. H-3 of the list survey, which is a granite stone 10 x 8 x 6 ins. on top of a granite stone in place showing 50 x 48 x 30 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and for Cor. No. 2 of this survey, I mark the granite stone in place showing 50 x 48 x 30 ins. above ground, + on top and 2 - H E S 506 on NW. face; and raise a mound of stone 4 ft. base, 2 ft. high NW. of cor., whence:
 A white oak, 6 ins. dia., bears S. 64° 30' W., 24 lks. dist.
 A live oak, 8 ins. dia., bears N. 23° 45' W., 148 lks. dist.
 Each marked 2 H E S 506 + B T.

Thence S. 75° 20' W.

Ascend along rocky N. slope, through oak timber.

4.00 Top 25 ft. ascent on N. slope. Descend along side hill.

48.50 Bottom 40 ft. desc. on left bank Sheep' Wash; asc. 30 ft.

53.20 To Cor. No. 3. Identical with Cor. H-2 of the list survey, which is a granite stone 14 x 5 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 5 x 4 x 2 ins. marked with a +, 14 ins. in the ground, over which set a porphyry stone 24 x 20 x 8 ins. chiseled + for the point and 3 - H E S 506 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high N. of cor., whence:
 A live oak 6 ins. dia. bears N. 74° 25' E., 440 lks. dist.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	<p>A juniper 40 ins. dia. bears S. 86° 55' W., 159 lks. dist. Each marked 3 H E S 506 + B T.</p> <hr/> <p>Thence N. 4° 00' W. Descend N. slope, leaving scattering timber bearing NE and NW.</p> <p>4.50 Bottom 40 ft. desc. Thence over creek bottom.</p> <p>8.00 Main channel Sheep Wash, 100 lks. wide, 2 ft. deep, course W.</p> <p>17.30 Center corral, 50 ft. in dia., bears E., 100 lks.</p> <p>20.00 Arroyo, 50 lks. wide, 3 ft. deep (dry), course SW.</p> <p>23.40 Intersect cor. H-1 of the list survey, which is a granite stone 18 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave listed and enter unlisted land.</p> <p>29.90 To Cor. No. 4 and Closing Corner on line bet. secs. 4 and 33. Deposit a sandstone 6 x 3 x 2 ins. marked with a + 18 ins. in the ground, over which set a porphyry stone 28 x 20 x 6 ins., chiseled + for the point and 4 H E S 506 on SE. face, C C on S. face; and raise a mound of stone 4 ft. base, 2 ft. high, S. 4° E. of cor. on closing line.</p> <p>A cedar 6 ins. dia. bears N. 15° 58' E., 353 lks. dist., marked C C 4 H E S 506 + B T.</p> <p>U. S. G. S. B. M., a metal tablet marked 4948 bears N. 29° 04' E., 356 lks. dist.</p> <p>No other witness available. Pits impracticable. The cor. to Secs. 3, 4, 33 and 34, heretofore de- scribed, bears East, 25.00 chs. dist.</p> <p>The 1/4 sec. cor. bet. secs. 4 and 33, heretofore described, bears West, 15.02 chs. dist.</p>
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APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	Thence East.
	Along line bet. Ts. 1 and 2 S., R. 28 E. Over open S. slope.
4.75	Arroyo, 20 lks. wide, 1 ft. deep, course S.
6.00	Double Circle - Metcalf trail bears N. 60° W. and S. 60° E.
23.90	Arroyo 20 lks. wide, 3 ft. deep, course S.
25.00	Intersect the cor. to secs. 3, 4, 33 and 34, previously described.
35.00	Rocky gulch, 100 lks. wide, 10 ft. deep, course S.
42.00	Arroyo 10 lks. wide, 4 ft. deep, course S.
51.26	To Cor. No. 1, and point of beginning.

AREA

Area of Listed Land - - - - -	80.78 acres
Area of Unlisted Land - - - - -	<u>39.72</u> acres.
Total area - - - - -	120.50 acres

IMPROVEMENTS

The improvements made upon and for the benefit of this claim, and belonging to the claimant, consist of the following:

A well 25 ft. deep, with 5 ft. of water, the center of which bears N. 15° 32' E., 14.65 chs. dist. from Cor. No. 3.

Value - - - - - \$150.00

A corral 50 ft. in dia., the center of which bears N. 0° 40' W., 17.30 chs. dist. from Cor. No. 3.

Value - - - - - \$ 50.00

Claimant was camping on claim at time of survey.

DESCRIPTION

The claim is situated on Sheep Wash.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

About 2/3 of the area can be cultivated.

Water is obtained for domestic purposes from a well on the N. bank of Sheep Wash.

There is no timber of any value on the land.

No indications of mineral were observed on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims.

Metcalf, Arizona, the nearest post office and trading point is 20 miles by trail in a Southeasterly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 8° 05' E.	16.67		16.50	2.34	
2-3	S. 75° 20' W.	53.20		13.47		51.47
3-4	N. 4° 00' W.	29.90	29.83			2.09
4-1	East	51.26			51.26	
		<u>151.03</u>	29.83	29.97	53.60	53.56
				<u>29.83</u>	<u>53.56</u>	
	Error in Lat. and Dep.			.14	.04	

Closing Error, 1:1037.

Survey completed March 30, 1917.

L. C. Jones

Surveyor - Forest Service

NATIONAL FOREST

STATE OF ARIZONA

Chains

About 2/3 of the area can be cultivated.
Water is obtained for domestic purposes from a well on
the W. bank of Sheep Wash.
There is no timber of any value on the land.
No indications of minerals were observed on the claim.

Chains

CONFLICTS AND ADJOINING CLAIMS
There are no conflicting or adjoining claims.
Metaline, Arizona, the nearest post office and trading
point is 20 miles by trail in a southeasterly direction.

TRAVELER

Cor.	Course	Dist.	N	E	H	W
1-2	S. 8° 05' E.	12.87		12.50	2.34	
2-3	S. 75° 20' W.	22.20		12.47		21.47
3-4	N. 4° 00' W.	22.20	22.20			2.02
4-1	East	51.22			51.22	
			121.02	22.83	22.27	22.22
			22.22	22.22	22.22	22.22
				14		

Error in lat. and Dep.
Closing Error, 1:1027.
Survey completed March 30, 1917.

Surveyor - Forest Service

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.

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

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 506, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	S. 8° 05' E	7.67		7 59	1 08		105 12	797 86	
	S. 75° 20' W	53.20		13 47	51 47		54 73	737 21	
	N. 4° 00' W	23.40	23 34	28 29	1 63		1 63	38 04	
	S. 87° 29' E	52.07		2 29	52 01		52 02	118 61	
			23 34	23 35	53 09			1653 68	
								38 04	
								<u>20 1615 64</u>	
								80 78	Acres

APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1920

The foregoing field notes of Homestead Entry Survey No.

506

executed by Lee C. Daves, Surveyor, [Forest Service Title.]
under his special instructions, dated February 9, 1917, 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.