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

Hecalf, Arizona

Application No. 109, dated March 4, 1910

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

Applicant for survey

James Trainor

Residence

Hecalf, 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

OATH OF ASSISTANTS

We hereby certify that we assisted Lee C. Daves, Surveyor - Forest Service in surveying all those 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 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.

Subscribed and sworn to before me this 15th day of July, 1917.

OATH OF SURVEYOR

I, Lee C. Daves, Surveyor, Forest Service do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated February 9, 1917, 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 Lot No. 5-970, dated January 1, 1911, and a tract of land upon the application of Christopher Columbus Johnson, Application No. 109, dated March 4, 1910, for Patent No. 506, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 506, situated within the National Forest, in the Apache Meridian, 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.

Subscribed and sworn to before me this fifth day of October, 1918.

My Commission expires March 17, 1921.
Chains

Applicant for listing, Christopher Columbus Johnson; Application No. 102, dated March 4, 1910; List No. 3-970, dated January 1, 1911; H. E. C50618 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, sec. 3 and 4, T. 2 S., R. 28 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.


Survey commenced March 29, 1917 and executed with a Buff and Buff transit No. 9702, equipped with Smith Solar attachment.

I tested 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.
Chains

March 29, 1917.

At cor. No. 1, hereinafter described, in Lat. 33° 17' 49"
N., Long. 109° 27' 20" W., from Forest Service Base

Map. I observe Polaris at Western Elongation at 6h.
58.3m. p.m., l.m.t., as follows:

Reference mark a light on a stake about 20.00 chs. north-
wardly of my station.

Angles by repetition from Star to Mark. (Mark W. of Star)
1. 1/6 (60° 36' 22") = 10° 06' 24" (3 direct and 3
 reversed)
2. 1/4 (40° 26' 45") = 10° 06' 41" (2 direct and 2
 reversed)

Diff. bet. obsns. = 0° 00' 17"

Azimuth of Star at W. Elongation, 176° 38' 36"

Mean angle, \[ \frac{10° 06'}{17} = 10° 06' 23" \]

Azimuth of Mark, \[ 168° 32' 05" \]

Accept bearing of mark as N. 11° 28' W., from which all
courses are determined by angulation.

March 29, 1917.

RETRACTION

March 30, 1917.

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

T. 1 S., R. 29 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. 1917.

Thence West.
Chains

40.02 Retracing line bet. secs. 4 and 33, E/2.

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° 06' E. of cor. on closing line.

No witnesses available. Fits impracticable.

The 1/4 sec. cor. bet. Secs. 3 and 34, hereafter described, bears East, 13.80 chs. dist.

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

Lat. 33° 17' 49" N., Long. 109° 27' 80" W. from Forest Service Base Map.

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

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. E-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.
Enter scattered oak timber.

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

West.

To Cor. No. 2. 16.67

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., 146 lks. dist.

Each marked 2 H E S 506 + B T.

Thence S. 75° 20' W.

Ascend along rocky E. slope, through oak timber.

To top 25 ft. ascent en N. slope. Descend along side hill.

Bottom 49 ft. desc. on left bank Sheep Wash; asc. 50 ft.

To Cor. No. 3. 53.20

Identical with Cor. H-2 of the list survey, which is a granite stone 14 x 8 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 +, 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 8 ins. dia. bears W. 74° 25' E., 440 lks. dist.
Chains

A juniper 40 ins. dia. bears S. 86° 55' W., 180 lbs. dist.

Each marked 3 H E S 506 + B T.

Thence N. 4° 00' W.

Descend N. slope, leaving scattering timber bearing NE and NW.

4.50 Bottom 40 ft. desc. Thence over creek bottom.

8.00 Main channel Sheep Wash, 100 lbs. wide, 2 ft. deep, course W.

17.30 Center corral, 50 ft. in dia., bears E., 100 lbs.

20.00 Arroyo, 50 lbs. wide, 3 ft. deep (dry), course SW.

25.40 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.

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.

A cedar 6 ins. dia., bears N. 15° 56' E., 355 lbs.

marked C C 4 H E S 506 + B T.

U. S. G. S. B. M., a metal tablet marked 4548 bears N. 29° 04' E., 396 lbs. dist.

No other witness available. Fits impracticable.

The cor. to Secs. 2, 4, 33 and 34, heretofore described, bears East, 25.00 chs. dist.

The 1/4 sec. cor. bet. secs. 4 and 33, heretofore described, bears West, 15.02 chs. dist.
HOMESTEAD ENTRY SURVEY NO. 506
APACHE NATIONAL FOREST
STATE OF ARIZONA.

Chains

Thence East.
Along line bet. Ts. 1 and 2 S., R. 28 S. 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.

22.90 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 - - - - - - - - - - 30.72 acres
Area of Unlisted Land - - - - - - - - - - 32.78 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., 14.35 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.
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.

<table>
<thead>
<tr>
<th>TRAVERSE</th>
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<tbody>
<tr>
<td>Cor.</td>
</tr>
<tr>
<td>1-2</td>
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<tr>
<td>2-3</td>
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<tr>
<td>3-4</td>
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<tr>
<td>4-1</td>
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Error in Lat. and Dep. | .14 | .04 |
Closing Error, 1:1037.
Survey completed March 30, 1917.

Surveyor - Forest Service
### TABLES AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 506, STATE OF ARIZONA

<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>North</td>
<td>South</td>
<td>East</td>
<td>West</td>
<td></td>
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<tr>
<td>1-2</td>
<td>S. 8° 05' E</td>
<td>16.67</td>
<td>16 50'</td>
<td>2 34'</td>
<td>104 83'</td>
<td>1726 56'</td>
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<tr>
<td>2-3</td>
<td>S. 75° 20' W</td>
<td>53.20</td>
<td>13 47'</td>
<td>51 47'</td>
<td>55 68'</td>
<td>746 11'</td>
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<tr>
<td>3-4</td>
<td>N. 4° 30' W</td>
<td>29.90</td>
<td>29 83'</td>
<td>2 09'</td>
<td>2 10'</td>
<td>62 73'</td>
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<tr>
<td>4-1</td>
<td>East</td>
<td>51.26</td>
<td>29 83'</td>
<td>29 97'</td>
<td>52 60'</td>
<td>53 56'</td>
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<td></td>
<td>151.83'</td>
<td>29 83'</td>
<td>51 25'</td>
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</table>

**Closing error 1:1037**

**120 50 acres.**
Table and Calculations of Homestead Entry Survey No. 506, State of Arizona

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</thead>
<tbody>
<tr>
<td></td>
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<td>North</td>
<td>South</td>
<td>Traverse of Listed Area</td>
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<tr>
<td>S. 80° 25' E</td>
<td>7.67</td>
<td></td>
<td>7 59'</td>
<td>1 08'</td>
<td>105 12'</td>
<td>727 66'</td>
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<tr>
<td>S. 75° 20' W</td>
<td>53.20</td>
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<td>13 47'</td>
<td>51.47</td>
<td>51 73'</td>
<td>737 21'</td>
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<td>N. 1° 00' W</td>
<td>23.40</td>
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<td>23 34'</td>
<td>1 63'</td>
<td>1 63'</td>
<td>33 04'</td>
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<tr>
<td>S. 67° 29' E</td>
<td>52.67</td>
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<td>22 32'</td>
<td>52 02'</td>
<td>52 02'</td>
<td>118 61'</td>
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<td>23 31'</td>
<td>23 35'</td>
<td>53.09</td>
<td>53.10</td>
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</tr>
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</table>

\[\text{Total acreage:} \ 50.78 \text{ Acres}\]
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1910

The foregoing field notes of Homestead Entry Survey No. 506

executed by Lee C. Davis, Surveyor, under his special instructions, dated February 7, 1917, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]
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.