

195
APR 11. 1920

ORIGINAL
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

45-31919

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 495

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 27 , ^{Approximately} unsurveyed, Township 1 S., Range 30 E.

And Establishment of U. S. L. M. No. 495 H. E. S.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Frank M. Hodges,

Residence Clifton, Arizona

Application No. 267 , dated February 21 , 1913

List No. 3-2914 , dated December 3 , 1913

Applicant for survey Fred E. Johnson

Residence Clifton, Arizona

H. E. No. 037903 , dated January 18 , 1918

Office
Land District Phoenix, Arizona

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

Under special instructions dated June 21 , 1916

Survey commenced April 13 , 1917

Survey completed April 13 , 1917

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

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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. **495**, 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. Aubross, Chairman
John H. Callot Jr., Chairman

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

Lee 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
June 21, 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 3-2914** and a tract of land upon the application
of **Frank M. Hodges,**

Application, No. **267**, dated **February 21, 1913**, for
Listing and Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **495**,
situated within the **Apache** National Forest, in
unsurveyed Section **27**, Township **1 S.**, Range **30 E.**, and
--surveyed Section **-----**, Township **-----**, Range **-----**,
Approximately

of the **Gila & Salt River Base 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.

Lee C. Daves

Surveyor, Forest Service
[Forest Service Title.]

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

Ethel G. Myers

Notary Public.



8-2349

My Commission expires March 17, 1921.

HOMESTEAD ENTRY SURVEY NO. 495

.1.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Frank M. Hodges; Application No. 267, dated February 21, 1913; List No. 3-2914, dated December 3, 1913; H. E. No. 037903 made in the Phoenix Land Office on January 18, 1918, by Fred E. Johnson.

Also a tract of unlisted land adjoining on the NE. was included in this survey, in order to simplify the claim boundaries and to eliminate unnecessary corners. The land is agricultural in character, was desired by the entryman, 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 June 21, 1916, and designated as Homestead Entry Survey No. 495.

Situated in what will probably be, when surveyed, Sec. 27, T. 1 S., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

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

Survey commenced April 13, 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.

April 13, 1917.

Lines were run on an assumed azimuth and subsequently verified by Polaris obsn. as appears at the end of these notes.

There being no cor. of the Public Land Survey or U. S. Location Monument within two miles, I establish U. S. Location Monument No. 495 H. E. S. as follows:

Located on a high spur ridge on the East side of the canyon of Clear Creek, about 3-1/2 miles West of the Fritz

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HOMESTEAD ENTRY SURVEY NO. 495

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Ranch. I chisel + U S L M No 495 H E S on S. face of a sandstone boulder in place showing 24 x 12 x 6 ins. above ground; and raise a mound of stone 6 ft. base and 5 ft. high SW. of monument, whence:

A juniper 6 ins. dia. bears S.70° 00'E. 68 lks. dist.

A pinon 6 ins. dia. bears S.7° 30'W. 74 lks. dist.

A pinon 6 ins. dia. bears N.61° 20'W. 61 lks. dist.

Each marked U S L M No 495 H E S + B T.

The West edge of Pat Mountain bears S.3° 02' E.

Gray's Peak bears S.53° 53'W.

North edge of Turkey Mountain bears N. 53° 18'W.

Rose Peak bears N.43° 14'W.

Lat. 33°19'03" N., Long. 109°14'40" W. from Forest Service Base Map.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1.

Point for cor. falls on a granite boulder in place showing 48 x 24 x 24 ins. above ground. I chisel boulder + on top and 1 H E S 495 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor., whence:

A granite boulder showing 16 x 16 x 12 ins. above ground bears N.4° 23'E. 49 lks. dist. marked 1 H E S 495 + B R.

A juniper 12 ins. dia. bears N. 81° 30' W. 70 lks. dist. marked 1 H E S 495+B T.

U. S. L. M. No. 495 H. E. S., heretofore described, bears N. 0° 59' W. 32.15 chs. dist. by direct measurement.

Lat. 33° 18' 43" N., Long. 109° 14' 40" W. from Forest Service Base Map.

Mag. decl. at 6:00 a.m. is 12° 30'E. Mean Mag. decl. is 12° 28' E.

Thence S. 4° 16' W.

Desc. 70 ft. to cor. along W. slope through scattering

THE APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains	juniper and oak, over unlisted land.
4.20	Cor. H-5 of the list survey, which is a granite stone 14 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Thence over listed land.
11.00	Clear Creek, running water 3 lks. wide, 2 ins. deep, course SE.
14.40	To cor. No. 2. Identical with cor. H4 of the list survey, which is a granite stone 24 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a granite stone 6 x 4 x 4 ins. marked with a +, 16 ins. in the ground, over which set a granite stone 26 x 14 x 10 ins., chiseled + for the point and 2 - H E S 495 on NW. face; and raise a mound of stone 4 ft. base, 2 ft. high NW. of cor., whence: A juniper, 6 ins. dia., bears S. 34° 54' W., 28 lks. dist. A juniper, 16 ins. dia., bears N. 7° 23' W., 37 lks. dist. Each marked 2 H E S 495 + B T.
	Thence S. 89° 20' W. Ascend 6 ft. to cor. through oak and juniper.
2.00	To cor. No. 3. Identical with cor. H-3 of the list survey, which is a granite stone 16 x 12 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 4 x 4 ins. marked with a +, 14 ins. in the ground, over which set a granite stone 24 x 10 x 10 ins., chiseled + for the point and 3 - H E S 495 on NE. face; and raise a mound of stone 4 ft. base, 2 ft.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains high NE. of cor., whence:
 A live oak, 10 ins. dia., bears N. 18° 15' E.,
 58 lks. dist.
 A live oak, 8 ins. dia., bears N. 69° 25' W.,
 41 lks. dist.
 Each marked 3 H E S 495 + B T.

Thence N. 11° 30' W.

Ascending along E. slope, through juniper and oak.

8.00 Top 30 ft. ascent on E. slope. Desc. 20 ft. to cor.

14.85 To cor. No. 4.

Identical with cor. H-2 of the list survey, which is a
 granite stone 14 x 24 x 12 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor. Deposit a granite

stone 6 x 6 x 2 ins. marked with a +, 18 ins. in the
 ground, over which set a granite stone 28 x 12 x 10

ins., chiseled + for the point and 4 - H E S 495 on SE.
 face; and raise a mound of stone 4 ft. base, 2 ft.

high SE. of cor., whence:

A juniper, 10 ins. dia., bears N. 65° 50' W.,
 20 lks. dist.

A juniper, 8 ins. dia., bears N. 13° 40' W.,
 12 lks. dist.

Each marked 4 H E S 495 + B T.

Thence S. 88° 06' E.

2.00 Clear Creek (dry), 8 lks. wide, course S. 60° E.

Ascend 50 ft. to cor.

4.03 Cor. H-1 of the list survey, which is a granite stone

14 x 12 x 10 ins. above ground, marked and witnessed

as described by the Forest Service. I destroy all

trace of this list cor. Thence over unlisted land.

6.04 To cor. No. 1, and point of beginning.

HOMESTEAD ENTRY SURVEY NO. 495

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains April 13, 1917.

At Cor. No. 1 of this claim, heretofore described, Lat. $33^{\circ} 18' 43''$ N. Long. $109^{\circ} 14' 40''$ W., from Forest Service Base Map, I observe Polaris at W. Elong. at 5h. 59.8m. p.m., l.m.t., and mark the directions determined by two separate obsns. by stakes firmly set in the ground about 32.00 chs. North of my station.

Difference bet. obsns. is 1 in.

The angle between the mean of these stakes and the U. S. L. M. No. 495 H. E. S. is $0^{\circ} 22' 15''$.

Azimuth of Star at W. Elong. N. $1^{\circ} 21' 35''$ W.

Angle - Stake W. of U.S.L.M. 22' 15"

Azimuth of U. S. L. M. N. $0^{\circ} 59' 20''$ W.

Accept bearing as N. $0^{\circ} 59' 20''$ W., from which all courses are determined by angulation.

Area

Listed Area - - - - -	5.38 Acres.
Unlisted Area - - - - -	.42 Acres.
Total Area - - - - -	5.80 Acres.

IMPROVEMENTS

There were no improvements on the claim and no signs of cultivation or occupancy were observed at the time of survey.

DESCRIPTION

The claim is situated in the canyon of Clear Creek.

About one-half of the area may be cultivated.

Water may be obtained from the creek, the head of permanent water being about the center of the claim.

There is no timber on the claim.

There were no indications of mineral on the land.

THE APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS

Chains

There are no conflicts or adjoining claims.
Clifton, Arizona, the nearest post office and settlement
is about 25 miles by trail in a Southerly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 4° 16' W.	14.40		14.36		1.07
2-3	S. 89° 20' W.	2.00		.02		2.00
3-4	N. 11° 30' W.	14.85	14.55			2.96
4-1	S. 88° 06' E.	6.04		.20	6.04	
		37.29	14.55	14.59	6.04	6.03
				14.55	6.03	
	Error in Lat. and Dep.			.04	.01	

Closing Error 1:1179.

Survey completed April 13, 1917.

Note: Any discrepancy between these field notes and those
of the listing survey is due to error in the latter.

5.38 Acres

4.42 Acres

5.80 Acres

Lucas

Surveyor- Forest Service.

DESCRIPTION

The claim is situated in the canyon of Clear Creek.
About one-half of the area may be cultivated.
Water may be obtained from the creek, the head of per-
manent water being about the center of the claim.
There is no timber on the claim.
There were no indications of minerals on the land.

DIRECTIONS.—1. Carry out calculations to two decimals only.
 2. In balancing Latitudes and Departures do not obliterate or change the original figures. Do not change the footing of the original figures, but put below them the corrected footing in red ink. 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.

TABLED AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 495, STATE OF

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 4° 16' W	14.40		14 36		1 07	11 01	157 99	
2-3	S. 89° 20' W	2.00		02		2 00	7 94	16	
3-4	N. 11° 30' W	14.85	14 55		2 96	43 27			
4-1	S. 88° 06' E	6.04		20	6 04	6 04	6 04	1 21	
		37.29	14 55	14 58	6 04	6 03		159 36	
			03			01		43 27	
	Closing error 1:1179							20/116 09	
								5 80 acres.	

DIRECTIONS.—1. Carry out calculation 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. I. O.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 495, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	S. 88° 06' E	2.01		TRaverse OF UNLISTED AREA 07	2 01		2 01	14	
	S. 40° 16' W	4.20	4	19	3 71		3 71	15	54
	N. 21° 45' W	4.59	4	26	1 70		1 70	7	24
							7	15	68
							7	7	24
								20/8	44
								42	Acres

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APPROVAL

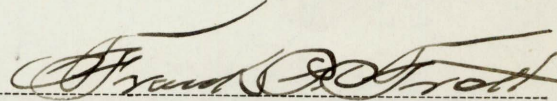
Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1920

The foregoing field notes of Homestead Entry Survey No.

495

executed by Lee C. Daves, Surveyor [Forest Service Title.]
under his special instructions, dated June 21, 1916, 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.