

ORIGINAL

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MAY 17 1919

APR 17 1920

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 494

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

Approximately  
In Section 14, unsurveyed, Township 2 S., Range 28 E.  
In Section 23, unsurveyed, Township 2 S., Range 28 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Orion Wright,  
 Residence Metcalf, Arizona  
 Application No. 262, dated January 15, 1913  
 List No. 3-2580, dated June 2, 1913

Applicant for survey Orion Wright,  
 Residence Metcalf, Arizona  
 H. E. No. 024686, dated April 25, 1914  
 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 March 25, 1917  
 Survey completed March 25, 1917  
 Under Acts of June 11, 1906 and August 11, 1916



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494  
Apache

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. **494**, 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  
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Subscribed and sworn to before me this **15th** day of  
**July**, 19**17**.

*Lee C. Daves*  
-----  
**Surveyor, Forest Service**

7/15/17

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**, 19**16**, 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

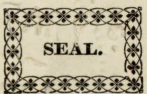
List , No. **3-2580**, dated **June 2**, 19**13**, for  
**Patent**, under the Act of **June 11**, 19**06**,  
the same to be known as Homestead Entry Survey No. **494**,  
situated within the **APACHE** National Forest, in  
**un**surveyed Section **14**, Township **2 S.**, Range **28 E.**, and  
**un**surveyed Section **23 -**, Township **2-S-**, Range **28E-**,  
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*  
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**Surveyor, Forest Service**  
[Forest Service Title.]

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

*Echel H. Myers*  
-----  
**Notary Public.**



8-2349

My Commission expires March 17, 1921.



APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Orion Wright; Application No. 262, dated January 15, 1913; List No. 3-2580, dated June 2, 1913; H. E. 024686, made in the Phoenix Land Office on April 25, 1914 by Orion Wright.

Surveyed under special instructions from the Surveyor General for Arizona, dated June 21, 1916 and designated as Homestead Entry Survey No. 494.

Situated in what will probably be, when surveyed, Secs. 14 & 23, 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 25, 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.

March 25, 1917.

At cor. No. 1, hereinafter described, Lat. 33° 15' 20" N., Long. 109° 26' 29" W., from Forest Service Base Map, I observe Polaris of W. Elong. at 7h. 14.5m. p.m., l.m.t. for azimuth.

Reference Mark: A light on a stake about 12.00 chs. Northwardly of this station.

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

- |   |                   |   |             |
|---|-------------------|---|-------------|
| 1 | 1/4(91° 59' 30")  | = | 22° 59' 52" |
| 2 | 1/2(45° 59' 30")  | = | 22° 59' 45" |
| 3 | 1/6(137° 56' 00") | = | 22° 59' 20" |



Chains Azimuth of star at W. Elong. 178° 38' 42"  
 Mean Angle (Mark E. of Star) 22° 59' 39"<sup>39</sup>  
 Azimuth of Mark, 201° 38' 21"<sup>21</sup>  
 Bearing, N. 21° 38' 21" E., from which all bearings  
 are obtained by angulation.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.  
 Identical with cor. H-4 of the list survey, which is  
 a basalt stone 12 x 10 x 3 ins. above ground, marked  
 and witnessed as described by the Forest Service. I  
 destroy all trace of this list cor. Deposit a por-  
 phry stone 4 x 4 x 1 ins. marked with a +, 16 ins.  
 in the ground, over which set a porphyry stone 26 x 12  
 x 6 ins., chiseled +, for the point and 1 - H E S 494 on  
 NE. face; and raise a mound of stone 4 ft. base, 2 ft.  
 high NE. of cor., whence:  
 A juniper, 16 ins. dia., bears N. 55° 50' E.,  
 117 lks. dist.  
 A pinon, 5 ins. dia., bears N. 71° 50' W.,  
 86 lks. dist.  
 Each marked 1 H E S 494 + B T.  
 U. S. L. M. No. 489, H.E.S., a limestone boulder  
 in place, showing 48 x 24 x 16 ins. above  
 ground, marked + U S L M No 489 H E S on top,  
 with mound of stone 6 ft. base, 5 ft. high  
 SE. of Monument, bears S. 13° 03' 46" W.,  
 159.04 chs. dist., by traverse which appears  
 at the end of these notes.  
 Lat. 33° 15' 20" N., Long. 109° 26' 29" W., from Forest  
 Service Base Map.  
 Mag. decl. at 7:00 a.m. 13° 30' E. Mean mag. decl.  
 13° 27' E.  
 Thence N. 0° 47' W.



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APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Through juniper and oak timber.

2.00 Deerhead Creek (dry), 50 lks. wide, 3 ft. deep, from  
N. 60° E., course S. 5° W.

5.00 Arroyo (dry), 50 lks. wide, 3 ft. deep, course S. 10° W.  
Begin asc.

16.00 Top 140 ft. asc. on E. slope. Desc. 80 ft. to cor.  
Leave timber NW. and SE.

29.90 To cor. No. 2.  
Identical with cor. H-1 of the list survey, which is  
a basalt stone 12 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 por-  
phyry stone 4 x 4 x 2 ins. marked with a +, 16 ins.  
in the ground, over which set a porphyry stone 26 x 12  
x 6 ins., chiseled + for the point and 2 - H E S 494  
on SE. face; and raise a mound of stone 4 ft. base,  
2 ft. high SE. of cor., whence:  
A juniper, 30 ins. dia., bears S. 89° 30' W.,  
3.76 chs. dist., marked 2 H E S 494 + B T.  
No other witnesses available.

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Thence N. 89° 00' E.  
Over level land, along N. side wire fence, 1 lk.  
from same.

2.00 Head of arroyo, course S.

2.50 Cross to South side wire fence.

9.90 Arroyo (dry), 15 lks. wide, 6 ft. deep, course S.  
Begin asc. 330 ft. to cor. over steep and rocky W.  
slope.

11.70 Wire fence bears NW. and SE. NE. cor. of fences bears  
N. 45° W., 50 lks. dist.

19.71 To cor. No. 3.  
Point for cor. falls on a porphyry stone in place  
showing 16 x 12 x 8 ins. above ground. I chisel



APACHE NATIONAL FOREST

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Chains

same stone + for the point and 3 - H E S 494 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor.

No witnesses available. Pits impracticable.

Cor. H-2 of the list survey, which is a basalt

stone 10 x 8 x 4 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 9° E., 4 lks. dist. I de-

stroy all trace of this list cor.

Thence S. 1° 03' E.

Desc. rocky S. slope.

3.00 Bottom 90 ft. desc. Rocky gulch 100 lks. wide, 15 ft. deep, course SW. Asc. along W. slope.

5.80 Top 20 ft. asc. on W. slope. Desc.

17.60 Bottom 325 ft. desc. Deerhead Creek (dry), 30 lks. wide, 2 ft. deep, course S. 70° W. Asc. 290 ft. to cor. on brushy N. slope, alongside of and 2 lks. E. of wire fence.

30.15 To cor. No. 4.

Identical with cor. H-3 of the list survey, which is a basalt stone 14 x 10 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a porphyry stone 4 x 4 x 1 ins. marked with a +, 14 ins. in the ground, over which set a porphyry stone 24 x 12 x 10 ins., chiseled + for the point, and 4 - H E S 494 on NW. face; and raise a mound of stone 4 ft. base, 2 ft. high NW. of cor., whence:

A juniper 36 ins. dia., bears S. 2° 15' W., 18 lks. dist., marked 4 H ES 494 + B T.

No other witnesses available. Pits imprac-

ticable.



APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Thence S. 89° 37' W.  
 Along South side of wire fence, through scattering  
 juniper and mahogany brush.  
 15.00 Bottom 300 ft. desc., NE. and SE. Thence over level  
 bottom.  
 19.86 To cor. No. 1 and point of beginning.

AREA

Total Area ----- 59.41 acres

IMPROVEMENTS

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

A frame house, 18 x 14 ft., the long side extending N. and S., and the NE. cor. of which bears S. 3° 18' W., 19.40 chs. dist. from cor. No. 3.

Value ----- \$160.00

DESCRIPTION

The claim is situated near the head of Deerhead Creek. The soil is clay, and sand in the creek bottom and rocky on side hills.

The larger part of the claim is covered with juniper and oak-brush. There is no timber of any value on the land.

Water is obtained for domestic purposes from a spring about 1/4 mile E. of the claim.

About 4 acres are in cultivation.

I saw no indications of mineral on the land.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Metcalf, Arizona, the nearest post office and trading



Chains

point, is about 20 miles in a Southeasterly direction.

TRAVERSES

Cor.	Course	Dist.	N	S	E	W
1-2	N. 0° 47' W.	29.90	29.90			0.41
2-3	N. 89° 00' E.	19.71	0.34		19.71	
3-4	S. 1° 03' E.	30.15		30.14	0.55	
4-1	S. 89° 37' W.	19.86		0.13		19.86
		99.62	30.24	30.27	20.26	20.27
				30.24		20.26
	Error in Lat. and Dep.			.03		.01

Closing Error, 1:3150.

Tie from Cor. No. 1 to U. S. L. M. No. 489.

Course	Dist.	N	S	E	W
S. 13° 00' W.	159.00		154.92		35.77
N. 83° 00' W.	0.17	0.02			0.17
		0.02	154.92	0.00	35.94
			0.02		0.00
			154.90		35.94

Tie is S. 13° 03' 46" W., 159.01 chs.

Survey completed March 25, 1917.

*L. S. Jones*

Surveyor - Forest Service

$35.94 = 155.5781$   
 $154.92 = 7.1920514$   
 $9.365767$   
 $13^{\circ}03'46'' = 9.3654778$   
 $13^{\circ}03'46'' = \frac{5.39}{956} = .005638$   
 $35.94 = 155.5781$   
 $13^{\circ}03'46'' = 9.3654778$   
 $159.01 = 22.70143411$



- 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. 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. 494, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 0°47' W.	29.90	29 90		19 71	41	41		
2-3	N. 69-00 E.	19.71	34	36 13	55		19 71	12 26	
3-4	S. 1-03 E.	30.15		30 14			39 98	6 70	
4-1	S. 69-37 W.	19.86		13			20 68		1204 60
		99.62	30 24	30 27	20 26	20 27		18 96	1207 08
	Error in Lat. and Dep.		30 25	30 24	20 27	20 26			18 96
	Closing error 1/3150			03		01			20 1158 12
									59 406 Acres
									59 41 Acres

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APPROVAL

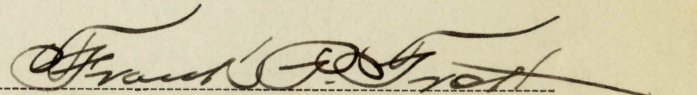
Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1910

The foregoing field notes of Homestead Entry Survey No.

494

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.