

ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE

JAN 27 1919

FOREST SERVICE

APR 11 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 497

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 33, unsurveyed, Township 1 N., Range 29 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Cleve Miller,
 Residence Metcalf, Arizona
 Application No. 278, dated April 28, 1913
 List No. 3-2704, dated August 4, 1913

Applicant for survey Cleve Miller,
 Residence Metcalf, Arizona
 H. E. No. 025195, dated May 29, 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 5, 1917
 Survey completed March 6, 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. **497**, 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 **15**.

July 15/17

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
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. **3-2704**, dated **August 4**, 19 **13**, for
Patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **497**,
situated within the **Apache** National Forest, in
unsurveyed Section 33, Township **1 N.**, Range **29 E.**, and
-- surveyed Section -- -- --, Township -- -- --, Range -- -- --;

of the **Gila and 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 *twenty-third* day of
December, 19 **18**.

Ethel S. Myers

Notary Public



8-2349

My Commission Expires **March 17, 1921**

APACHE NATIONAL FOREST

1.

STATE OF ARIZONA.

Chains

Applicant for listing, Cleve Miller; Application No. 278, dated April 28, 1913; List No. 3-2704, dated August 4, 1913; H. E. 025195 made in the Phoenix Land Office on May 29, 1914 by Cleve Miller.

Surveyed under special instructions from the Surveyor General for Arizona, dated June 21, 1916, and designated as Homestead Entry Survey No. 497.

Situated in what will probably be when surveyed, Sec. 33, T. 1 N., R. 29 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 5, 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 5, 1917.

At Cor. No. 1, hereinafter described, in Lat. $33^{\circ} 23' 27''$ N., Long. $109^{\circ} 21' 22''$ W., from Forest Service

Base Map, I observe Polaris at Western Elong. at

8h. 33.3m. p.m. l.m.t. as follows:

Reference Mark: A light on Cor. No. 4.

Angles read from Star to Mark by repetitions (Mark East of Star).

2.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains 1 $1/6$ ($537^{\circ} 14' 30''$) = $89^{\circ} 32' 25''$
 2 $1/6$ ($537^{\circ} 14' 00''$) = $89^{\circ} 32' 20''$
 Diff. bet. obsns. = $0' 05''$
 Azimuth of star $178^{\circ} 38' 33''$
 Mean Angle Star-Mark $89^{\circ} 32' 22''$
 Azimuth of Mark $268^{\circ} 10' 55''$
 Bearing of Mark N. $88^{\circ} 10' 55''$ E.
 Accept bearing as N. $88^{\circ} 11'$ E., from which all courses
 of this claim are determined by angulation.
 March 5, 1917.

March 6, 1917

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1

Identical with list cor. H-4, which is a malpais rock
 $12 \times 14 \times 20$ ins. set on top of a granite boulder in
 place showing $8 \times 5 \times 4$ ft. above ground, marked and
 witnessed as described by the Forest Service, and for
 Cor. No. 1 of this survey I chisel granite boulder
 showing $8 \times 5 \times 4$ ft. above ground + on top and
 1 H E S 497 on NE. face; and raise a mound of stone 4
 ft. base, 2 ft. high NE. of cor.,

No witnesses available. Pits impracticable.

Bdy. Post No. 10, Black Mesa Forest Reserve,

also Cor. of Secs. 32 and 33, T. 1 N., R.

29 E., which is an iron post $3-1/2$ ins. in

dia., with brass cap marked U S Forest Reserve

Boundary Post No 10.1902 T 1 N S 33 on NE.,

R 29 E S 32 on NW. edges, 4 notches on E. and

2 on W. edges, witnessed as described by the

Surveyor General, bears S. $5^{\circ} 25' 42''$ W.,

45.67 chs. dist. by traverse which appears

at the end of these notes.

Lat. $33^{\circ} 23' 27''$ N., Long. $109^{\circ} 21' 22''$ W., from

HOMESTEAD ENTRY SURVEY NO. 497

APACHE NATIONAL FOREST

3.

STATE OF ARIZONA.

Chains

Forest Service Base Map.

Mag. decl. at 7h. a.m. is 13° 45' E., which gives the mean mag. decl. as 13° 42' E.

Thence N. 5° 07' W.

Along steep East slope, through dense oak brush.

20.21 To Cor. No. 2.

Point for cor. falls on a granite stone in place showing 26 x 24 x 16 ins. above ground. 1 chisel stone + for the point and 2 H E S 497 on SE. face; and raise a mound of stone 4 ft. base, 2 ft. high SE. of cor., whence:

A juniper 12 ins. dia., bears N. 42° 15' E., 139 lks. dist., marked 2 H E S 497 + B T.

A cross (+) on granite ledge, showing 6 x 5 x 4 ft. above ground, bears S. 33° 00' W., 12 lks. dist., marked + 2 H E S 497 B R

Cor. H-3 of the list survey, which is a granite stone 26 x 12 x 6 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 5° E., 4 lks. dist. I destroy all trace of this list cor.

Thence N. 88° 49' E.

Desc. rocky E. slope through dense oak brush and scattering juniper timber.

1.75 Wire fence, bears N. and S.

3.60 Bottom 70 ft. desc. in sheep wash (dry), 50 lks. wide, course S.

3.95 Wire fence, bears N. and S.

4.20 Trail, bears N. and S. Asc. 140 ft. to Cor.

9.68 To Cor. No. 3.

Identical with Cor. H-2 of the list survey, which is a granite stone 24 x 14 x 12 ins. above ground, mark-

4.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

and witnessed as described by the Forest Service. I

destroy all trace of this list cor.

Deposit a granite stone 6 x 3 x 2 ins. marked with a

+ 16 ins. in the ground, over which set a granite

stone 26 x 9 x 6 ins. chiseled + for the point and

3 H E S 497 on SW. face; and raise a mound of stone

4 ft. base, 2 ft. high SW. of cor., whence.

A juniper 9 ins. dia., bears S. 19° 32' E.,

92 lks. dist.

A juniper 24 ins. dia., bears N. 15° 50' W.,

63 lks. dist.

Each marked 3 H E S 497 + B T.

Thence S. 1° 11' E.

Desc. 150 ft. through dense oak brush.

9.50

Bottom arroyo (dry) 40 lks. wide, 3 ft. deep, course

SW. Asc. 140 ft. to cor.

20.04

To Cor. No. 4

Identical with Cor. H-1 of the list survey, which is

a granite stone 20 x 8 x 8 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 5 x 5 ins. marked with a

+ 16 ins. in the ground, over which set a granite

stone 26 x 10 x 8 ins. chiseled + for the point and

4 H E S 497 on NW. face; and raise a mound of stone

4 ft. base, 2 ft. high NW. of cor.

No witnesses available. Pits impracticable.

Thence S. 88° 11' W.

Desc. 160 ft. through dense oak brush.

4.60

Bottom desc. Road, bears N. and S.

Chains
4.90

Sheep wash, running stream, 10 lks. wide, 1 ft. deep,
course S.

Asc. 150 ft. to cor.

8.28

To Cor. No. 1 and point of beginning.

March 6, 1917

AREA

Total Area - - - - - 18.06 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 24 ft., the long side extending E. and W., the NE. cor. of which bears S. 8° 40' W., 9.84 chs. dist. from Cor No. 3.

Value - - - - - \$500.00

About 1-1/2 miles of wire fencing.

Value - - - - - \$200.00

DESCRIPTION

This claim is situated near the head of Sheep Wash, which passes from N. to S., through the land, near the center of the claim. Water rises in the creek and develops into a flowing stream upon reaching the S. bdy. Water is obtained for domestic purposes and for stock from the creek.

About 6 acres of agricultural land lie along either side of the creek. The balance of the claim is rough and broken, slopes from high ridges. The claim is covered with dense oak brush, except the above mentioned agricultural area, which has been

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APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

cleared.

There is no timber of commercial value on the claim.

No indications of mineral were observed on the claim.

Note: Any discrepancy between this and the listing survey is due to error in the latter.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts nor adjoining claims. Metcalf, Arizona, the nearest post office and trading point is about 20 miles in a Southerly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 5° 07' W.	20.21	20.13			1.80
2-3	N. 88° 49' E.	9.68	.20		9.68	
3-4	S. 1° 11' E.	20.04		20.04	.41	
4-1	S. 88° 11' W.	8.28		.26		8.28
		58.21	20.33	20.30	10.09	10.08
			20.30		10.08	
	Error in Lat. and Dep.		.03		.01	

Closing error 1:1842

TIE

Course	Dist.	N	S	E	W
N. 88° 11' E.	3.71	.12		3.71	
S. 2° 10' E.	7.24		7.23	.27	
S. 28° 00' W.	4.54		4.01		2.13
S. 16° 30' W.	11.46		10.99		3.25
South	4.12		4.12		
S. 6° 00' W.	8.11		8.07		.85
S. 13° 00' W.	5.75		5.60		1.29
S. 5° 20' W.	4.51		4.49		.42
S. 18° 30' W.	1.13		1.07		.36
		.12	45.58	3.98	8.30
			.12		3.98
			45.46		4.32

Tie = S. 5° 25' 42" W., 45.67

HOMESTEAD ENTRY SURVEY NO. 497

U.S. DEPT. OF AGRICULTURE
BUREAU OF LAND MANAGEMENT

APACHE NATIONAL FOREST

7.

STATE OF ARIZONA.

Chains

Survey completed March 6, 1917.

chains

L. W. Jones

Surveyor - Forest Service

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Chains

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. 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.
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

8-2340 **TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 497, STATE OF ARIZONA**

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 5°07' W.	20.21	20 13 ¹²			1 80 ⁸¹	36 42		
2-3	N. 88°49' E.	9.68	20 19	20 04 ⁰⁵	9 68	9 68	1 84		
3-4	S. 1°11' E.	20.04		20 04	41	19 77		396 39	
4-1	S. 88°11' W.	8.28		26		11 90		3 09	
		58.21	20 33	20 30	10 09	10 08	38 26	399 48	
			20 32	20 32	10 09	10 09		38 26	
	Closing error 1:1842								20 / 361 22
									18.06 Acres

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APPROVAL

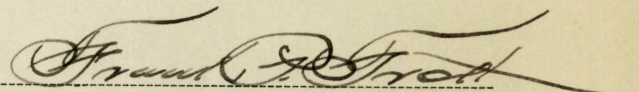
Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1920

The foregoing field notes of Homestead Entry Survey No.

497

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.