ORIGINAL
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

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. 276 , dated April 28 , 1913
List No. 3-2704 , dated August 4 , 1913

Applicant for survey Cleve Miller,
Residence Metcalf, Arizona
H. E. No. 026195 , dated May 29 , 1914
Office Phoenix, Arizona

Survey executed by Lee C. Davis, Surveyor - Forest Service
Under special instructions dated June 21 , 1916
Survey commenced March 5 , 1917
Survey completed March 6 , 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. 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 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, 1915.

[Signature]
Surveyor - Forest Service

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 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 No. 3-2704, dated August 4, 1913, for Patent, under the Act of June 11, 1906, 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 W., 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.

Subscribed and sworn to before me this twenty-third day of December, 1914.

[Signature]
Notary Public

My Commission Expires March 17, 1921
HOMESTEAD ENTRY SURVEY NO. 497
APACHE NATIONAL FOREST
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.


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° 23' 27" N., Long. 109° 21' 22" W., from Forest Service Base Map, I observe Polaris at Western Elong. at 8h. 33.2m. 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).
Chains

1 1/6 (537° 14'30") = 89° 32'05"
2 1/6 (537° 14'00") = 89° 32'20"
Diff. bet. obsns. = 0' 05"

Azimuth of star 178° 35' 33"
Mean Angle Star-Mark 89° 32' 22"
Azimuth of Mark 268° 10' 55"
Bearing of Mark N. 88° 10' 55" E.

Accept bearing as N. 88° 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 x 14 x 20 ins. set on top of a granite boulder in place showing 8 x 5 x 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 x 5 x 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. Fits 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° 25' 42" W., 45.67 chs. dist. by traverse which appears at the end of these notes.

Let. 35° 23' 27" N., Long. 109° 21' 28" W., from
Chains

Forest Service Base Map.

Mag. decl. at 7th. 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. I 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 + S 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-
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. 9° 32' E.,
92 lbs. dist.

A juniper 24 ins. dia., bears N. 15° 50' W.,
63 lbs. 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 lbs. 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. Fits impracticable.

Thence S. 86° 11' W.
Desc. 160 ft. through dense oak brush.

4.60 Bottom desc. Road, bears N. and S.
Homestead Entry Survey No. 497
Apache National Forest
State of Arizona.

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. bay. 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
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

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<th>Cor.</th>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<td>1-2</td>
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<td>3-4</td>
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<td>.26</td>
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Error in Lat. and Dep. = .03 - .01

Closing error = 1:1642

TIE

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<th>Course</th>
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<td>S. 6° 00&quot; W.</td>
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Tie = S. 5° 25' 42" W., 45.67
Chains
Survey completed March 6, 1917.

Surveyor - Forest Service
# Tabling and Calculations of Homestead Entry Survey No. 497, 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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<td>4-1</td>
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<td>20 33</td>
<td>20 30</td>
<td>38 26</td>
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**Closing error 1:1842**

| 20/361 22 | 18.06 Acres |

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**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.
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 14, 1920

The foregoing field notes of Homestead Entry Survey No.

executed by Dee C. Davey, Surveyor, 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.