

ORIGINAL

237

4-8-1921

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 498

SITUATED IN THE Apache

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 29 , un surveyed, Township 2N. , Range 28 E.
In Section 32 Unsurveyed Township 2 N., Range 28 E.

of the

Gila and Salt River Base Meridian.

State of

Arizona

Applicant for listing J. H. Cox

Residence:

Application No 299 , dated February 24, , 1914

List No. 3-3561 , dated May 4, , 1915

Applicant for survey Harold E. Wilson

Residence Metcalf, New Mexico

H. E. No. 030930 , dated August 23 , 1916

Land Office Phoenix , Ariz.

Survey executed by L. R. Mercer, Surveyor, Forest Service

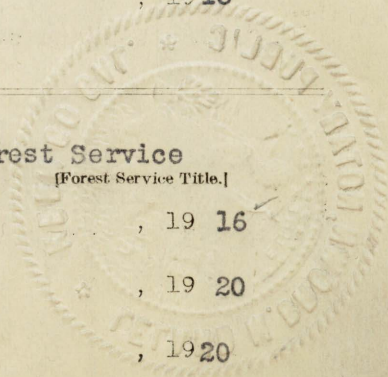
[Forest Service Title.]

Under special instructions dated June 21 , 19 16

Survey commenced May 18, , 19 20

Survey completed May 20, , 1920

Under Acts of June 11, 1906 and July 24, 1919



2X
1-2

OATH OF ASSISTANTS

We hereby certify that we assisted L. R. Mercer in surveying all those parts or portions of Homestead Entry Survey No. 498, 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.

Cecil C. Armstrong Chairman
W. L. Burke Chairman

Subscribed and sworn to before me this twentieth day of May, 1920.

Samuel R. Mercer
Surveyor - Forest Service

OATH OF SURVEYOR

I, L. R. Mercer, Surveyor, Forest Service, [Forest Service Title.]

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. 3-3561 dated May 4, 1915 and a tract of unlisted land adjoining original listing.

Application No. 299, dated February 24, 1914, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. situated within the Apache National Forest, in un surveyed Section 29, Township 2 N., Range 28 E., and un surveyed Section 32, Township 2 N., Range 28 E.

of the Gila & 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. R. Mercer
Surveyor, Forest Service [Forest Service Title.]

Subscribed and sworn to before me this second day of August, 1921.

Leander M. Brown
NOTARY PUBLIC IN AND FOR THE COUNTY OF KERN, STATE OF CALIFORNIA



Apache NATIONAL FOREST

STATE OF Arizona

Chains

Applicant for listing J. H. Cox; Application No. 299; dated February 24, 1914; List No. 3-3561, dated May 4, 1915; H.E. 030930 made in the Phoenix Land Office on August 23, 1916 by Harold E. Wilson.

The tract of unlisted land excluded from the original listing for a road exemption was included in this survey the area being no longer required by the Forest Service. 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. 498.

Situated in what will probably be when surveyed Secs. 29 and 32, T.2 N., R.28 E., Gila and Salt River Base and Meridian Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and July 24, 1919.

Survey commenced May 18, 1920, and executed with a Buff and Buff transit No. 10019 equipped with Smith solar attachment.

I test 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.

May 18, 1920.

At Cor. No. 1 of this survey, hereinafter described, in Lat. $33^{\circ} 28' 57''$ N., Long. $109^{\circ} 28' 36''$ W., from Forest Service Base Map., at 3 h. 50m. a.m. l.m.t., I observe Polaris at Eastern Elongation with telescope direct, and mark my line of sight upon a stake set firmly in the ground about ten chains South of my station.

At the same station at 3h. 53m. a.m., l.m.t. I again observe Polaris at Eastern Elongation with telescope reversed and mark my line of sight upon the stake previously set

Chains 10 chs. south of my station. The two obsns. differ with-
in less than $1/4$ inch. I take the mean of the two obsns.
for reference mark.

Azimuth of Polaris at Eastern Elongation $1^{\circ}20'51''$ E.

I accept bearing of reference mark as $S.1^{\circ}21'$ W. and to the
corresponding meridian all the courses of this survey
were referred by sustained angulation.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1.

Identical with Cor. H/1 of the list survey, which is a
malpais stone $12 \times 10 \times 3$ ins. above ground, marked and
witnessed as described by the Forest Service. I destroy
all trace of this list cor.

Deposit a malpais stone $6 \times 6 \times 3$ ins. marked with a +
 16 ins. in the ground, over which set a malpais stone
 $26 \times 18 \times 12$ ins. chiseled + for the point and 1 H-E S
498 on NE face; raise a mound of stone 2 ft. base $1-1/2$
ft. high NE. of cor. whence;

A scrub oak 8 ins. dia. bears $S. 48^{\circ}40'$ E. 30 lks.

A scrub oak 8 ins. dia. bears $N. 59^{\circ}16'$ E. 93 lks.

Each blazed and scribed 1 H E S 498 + B T

Cor. of Secs. 5, 6, 31 and 32, Ts. 1 and 2 N., R. 28 E.,
which is an iron post 3 ins. dia. 12 ins. above ground,

with brass cap, marked and witnessed as described by
the Surveyor General, bears $S. 3^{\circ}51'$ W. 77.95 chs.
dist. by direct measurement.

Lat. $33^{\circ}28'57''$ N., Long. $109^{\circ}28'36''$ W., from Forest

Service Base Map.

Mag. decl. at 7:00 a.m. is $13^{\circ}12'$ E. Mean Mag. decl.

$13^{\circ}09'$ E. at the same station at 5 p.m.

Thence $N. 1^{\circ}45'$ W.

Over broken land thru scattering undergrowth and scrub
timber.

Apache NATIONAL FOREST

STATE OF Arizona

Chains

2.00 Edge of vertical malpais cliff, 50 ft. high bears N. 80° W and S. 80° E. From foot of cliff desc. 85 ft. over N. slope.

9.00 Arroyo, 5 lks. wide, 2 ft. deep, course S. 80° E. asc. 85 ft. over SE. slope thru dense scrub oak and cedar.

28.00 Spur, bears E. Desc. along gentle NE. slope

39.67 To Cor. No. 2.

Identical with Cor. H-4 of the list survey, which is a malpais stone 12 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a malpais stone 6 x 6 x 4 ins. marked with a + 16 ins. in the ground, over which set a malpais stone 26 x 14 x 12 ins. chiseled + for the point and 2-HES498 on SE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. whence;

A nail in a juniper 8 ins. dia. bears N. $59^{\circ}15'$ E. 15 lks. dist.

A nail in an oak 16 ins. dia. bears S. $31^{\circ}38'$ W. 49 lks. dist.

Each blazed and scribed 2 H E S 498 B T

May 18, 1920.

May 19, 1920.
Thence East.

Desc. 50 ft. over E. slope thru scattering cedar.

2.80 Slope becomes more abrupt. Desc. 92 ft. to Creek.

4.61 Trail, Hannagan and Blue River to Honeymoon, bears N. and S.

5.20 East Eagle Creek, running water, 20 lks. wide, 24 ins. deep course S. 15° E., thence over creek bottom.

7.80 Leave Creek bottom, bears N. and S. Asc. 116 ft. over steep W. slope thru scattering cedar,

9.00 Fence, bears N. and S.

17.50 Spur, bears S. Top of Asc. Desc. gradual SE. slope

20.00 To Cor. No. 3.

Apache NATIONAL FOREST

STATE OF Arizona

Chains

Identical with Cor. H-3 of the list survey, a malpais stone 8 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

I chisel + on solid bed rock, over which set a malpais stone 26 x 12 x 10 ins. chiseled + for the point and 3-HES 498 on SW. face, surrounded by a mound of stone 3 ft. base 1-1/2 ft. high; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. whence;

A nail in a pinon 10 ins. dia. bears N. 15° E. 33 lks. dist.

A nail in a pinon 10 ins. dia. bears N. 65° 20' E., 62 lks. dist.

Each blazed and scribed 3 H E S 498 B T

May 19, 1920.

May 20, 1921

Thence S. 0° 43' E.

Desc. 20 ft. over S. slope, thru dense oak and juniper

.40 Arroyo 5 lks. wide, 2 ft. deep, course S. 80° W. Asc. 18 ft. over NW. slope

1.00 Spur, bears W., Desc. 10 ft. over SW. slope

1.70 Arroyo 10 lks. wide 1-1/2 ft. deep, course N. 80° W. asc. 260 ft. over gradual NW. slope.

26.00 Top of rocky spur, bears W. Desc. 300 ft. over steep SW. slope.

39.95 To Cor. No. 4

Identical with cor. H-2 of the list survey, which is a malpais stone 16 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a malpais stone 6 x 4 x 4 ins. marked with a + 20 ins. in the ground, over which set a malpais stone 30 x 12 x 8 ins. chiseled + for the point and 4 HES 498

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains on the NW. face; raise a mound of stone 2 ft. base 1-1/2
 ft. high NW. of cor., whence;
 A nail in a cedar 8 ins. dia. bears S. 45° 07' W.
 54 lks. dist.
 A nail in a white oak 16 ins. dia. bears N. 47° 12' W.
 35 lks. dist.

Each blazed and scribed 4 H E S 498 B T

Thence N. 89° 08' W.

Over bottom land, thru scattering box-elder, cotton-wood and oak.

7.00 Enter old bed of Eagle Creek.

10.00 East Eagle Creek, running water 25 lks. wide, 10 ins. deep
 course S. 70° E. Hamagan and Blue^{river} to Honeymoon trail
 crosses creek at this point. Asc. 250 ft. over steep
 NE slope thru scattering scrub oak.

19.29 To cor. No. 1, the place of beginning.

Area

Listed Area-----76.08 Acres.

Unlisted Area (Area of road exception as recorded in the List 3-3561)----- 2.10 acres

Total Area 78.18 acres

IMPROVEMENTS

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

A shake shack 12 x 10 ft. the long sides extending NE and SW. the West cor. of which bears from Cor. No. 1 N. 76° 22' E. 12.65 chs. dist.

Value-----\$10.00

Approximately 1/2 mile of fence, Value----- 25.00

PIPA PACHEMOUNT NATIONAL FOREST

STATE OF ARIZONA

Chains

DESCRIPTION

The claim is situated on ^{East} Eagle Creek. At the time of listing there was approximately ten to fifteen acres of agricultural land along the bottom of the Creek. However, during the past three or four years, practically all of the agricultural land with the exception of about 3 acres in the Southeast portion of the claim have been washed away by floods. The slopes on each side of the creek are steep and rocky and unfit for agricultural purposes.

Water for all purposes is obtained from ^{East} Eagle Creek which flows thru the claim.

There was no one living on the claim at the time of survey and the house showed no signs of recent habitation.

There is no timber of commercial value on the claim.

I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims. The Honey-moon Ranger Station lies about 1/2 mile dist. in a southwesterly direction.

Metcalf, the nearest postoffice, railway and trading point, lies about 40 miles dist. in a southerly direction and is reached by trail.

Survey completed May 20, 1920.

Signed

J. R. Mercer

Surveyor, Forest Service

Value -----
Approximately 1/2 mile of fence, Value -----

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains	Course	Dist.	N.	S.	E.	W.	Chains	
	N. 1° 45' W.	39.67	39.65			1.21		
	East	20.00			20.00			
	S. 0° 43' E.	39.95		39.95	.50			
	N. 89° 08' W.	19.29	.29			19.29		
		118.91	39.94	39.95	20.50	20.50		
	Error in lat. & dep.		.01		00			
	Closing Error	1/11891						

NATIONAL FOREST

STATE OF WISCONSIN

Chains

Chains

Course	Dist.	Angle	Dist.	Angle	Dist.	Angle
N. 1° 45' W.	39.97		39.95		19.1	
East	50.00		50.00			
S. 0° 15' E.	39.95		39.95			
N. 89° 08' W.	19.23		19.23			
<hr/>						
	118.91		59.97		59.95	50.50
Error in lat. 3.99						
Closing Error 1.1891						

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. 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. 498, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	N. 1°45' W.	29.67	39		20 00	1 21	47 99		
2 - 3	East	20.00			50	20 00		1617 97	
3 - 4	S. 0°43' E.	39.95		39 95		40 50			
4 - 1	N. 89°08' W.	19.29	29			21 71	6 50		
		118.91	39 94	39 95	20 50		54 29	1617 97	
	Error in lat. & dep.		39 95	39 95	20 50		54 29	1617 97	
			01	95	20 50		54 29	1617 97	
					00			54 29	
	Closing Error 1/11891						20 / 1563 68	78 18 acres	

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, January 25, 1922

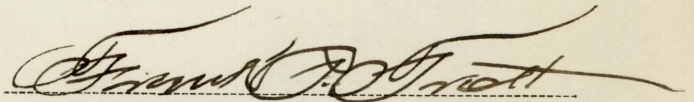
The foregoing field notes of Homestead Entry Survey No.

498

executed by L. R. Mercer, 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.