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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

MAY 13 1920

FIELD NOTES

OF

APR 17 1920

MAY 13 1920

HOMESTEAD ENTRY SURVEY NO. 599

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 33, un surveyed, Township 2 S., Range 31 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing I. T. Duncan,
 Residence Clifton, Arizona.
 Application No. 304, dated November 3, 19 13
 List No. 3-3229, dated July 1, 19 14

Applicant for survey Theophilus S. Maley,
 Residence Clifton, Arizona.
 H. E. No. 037010, dated November 19, 19 17
 Land ~~District~~ Office, Phoenix, Arizona.

Survey executed by N. F. Newman, Surveyor-Draftsman, Forest Service
(Forest Service Title)
 Under special instructions dated May 14, 19 19
 Survey commenced September 16, 19 19
 Survey completed September 17, 19 19
 Under Acts of July 11, 1906 and July 24, 1919.

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OATH OF ASSISTANTS

We hereby certify that we assisted **N. F. Newman, Surveyor - Draftsman, Forest Service,** in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **599**, 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.

H. H. Longfellow, Chairman,
Wm S. Kimball, Chairman,

Subscribed and sworn to before me this **17th** day of **September**, 19 **19**.

N. F. Newman
Surveyor-Draftsman, Forest Service,

OATH OF SURVEYOR

I, **N. F. Newman, Surveyor - Draftsman, 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 **May 14**, 19**19**, 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. **3-3229**, dated **July 1**, 19 **14**, for Patent, under the Act of **June 11**, 19 **06**, the same to be known as Homestead Entry Survey No. **599**, situated within the **APACHE** National Forest, in **un** surveyed Section **33**, Township **2 S.**, Range **31 E.**, and **un** 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.

N. F. Newman
Surveyor - Draftsman, Forest Service,
[Forest Service Title.]

Subscribed and sworn to before me this **2** day of **February**, 19 **20**.

Ethel S. Myers
Notary Public,



My com. expires March 17, 1921.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains Applicant for listing, I. T. Duncan; Application No. 304, dated November 3, 1913; List No. 3-3229, dated July 1, 1914; H. E. 037010 made in the Phoenix Land Office on November 19, 1917 by Theophilus S. Maley.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1919, and designated as Homestead Entry Survey No. 599.

Situated in what will probably be when surveyed Sec. 33, T. 2 S., R. 31 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 September 16, 1919, and executed with a Buff and Buff transit No. 10802, 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.

September 16, 1919.

At Cor. No. 2 of this survey hereinafter described, in Lat. $33^{\circ} 12' 33''$ N., Long. $109^{\circ} 09' 10''$ W. from U.S. G.S. Topographic Sheet Morenci Quadrangle, at 7h. 56.9m. p.m., l.m.t. I observe Polaris at Eastern Elongation with telescope both direct and reversed, and mark my lines of sight upon a stake firmly set in the ground 6.00 chains northwardly of my station. Diff. bet. obsns. $1/4$ in.

September 16, 1919.

September 17, 1919.

At 7h. 00m. a.m. l.m.t. I turn off an angle of $1^{\circ} 20' 30''$ to the West from the mean of the two lines as determined

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

by last nights obsns. and mark the meridian thus determined by a mark on a stake firmly set in the ground 6.00 chs. north of my station.

From the meridian thus determined all the courses of this survey were deflected by sustained angulation.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1,

Identical with Cor. No. 1 of H. E. S. 237; also identical with Cor. H/1, of the list survey, which is a +

and 1 H E S 237 chiseled on the N. face of a rock

column 100 ft. in dia. and 50 ft. high (Cor. not marked for listing survey). The point for Cor. is chiseled about 5-1/2 ft. above the mean level of the river. I chisel 1 H E S 599 alongside of the + for Cor. No. 1 of the survey.

No witnesses available. Pits impracticable.

U.S.L.M. No. 237 H.E.S., which is a granite stone 25x20x7 ins. set in a mound of stone, marked U S L M 237 H E S on S. face, bears S. 10° 47' E. 107 lks. dist.

Lat. 33° 12' 30" N., Long. 109° 09' W. from U.S. G.S.

topographic sheet Morenci Quadrangle.

Mag. decl. at 9 a.m. is 13° 55' E. Mean mag. decl. 13°

53' E.

Thence N. 72° 00' W.

Along line 1-7 of H. E. S. 237 and along left bank of San Francisco River.

14.40 To Cor. No. 2,

Identical with point for Cor. No. 2 of H.E.S. 237, which I determine from call of the witness trees, and

also from call of lines 6-7 and 7-1. I set a lava

stone 28x20x20 ins., 14 ins. in the ground on solid

rock, chiseled + for the point, 2 H E S 599 on N. face

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains and 7 H E S 237 on S. face; raise a mound of stone 5 ft. base, 3 ft. high around cor. whence:

A willow 10 ins. dia. blazed and scribed 7 H ES 237 B T bears S. 34° 45' E. 130 lks. dist.

I mark same tree 2 H E S 599 + B T.

A willow 12 ins. dia. bears S. 45° 27' W. 197 lks. dist. blazed and scribed 2 H E S 599 + BT

Note: This Cor. is situated on low bank of river; the ground here is subject to overflow of 2 to 3 ft. It is impracticable to set witness corners on higher ground within 8 chs. of this cor.

S 46° W
in 237

Thence N. 89° 50' W.

Over river bottom.

- 7.64 Left bank San Francisco River 1 ft. high, running water 2 ft. deep, course WSW.
- 11.38 Right bank San Francisco River, 1 ft. high, running water 2 ft. deep, course WSW.
- 14.79 Wire fence, bears ENE and WSW to river.
- 19.11 Creek 2 lks. wide 1 ft. deep, course S. 30° W. Fence bears N. 40° W. and S. 40° E.
- 20.03 To Cor. No. 3.

Identical with cor. H/4 of the list survey, which is a limestone 10x10x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 4x3x2 ins. marked with a + 15 ins. in the ground, over which set a sandstone 24x10x8 ins. chiseled + for the point and 3 H E S 599 on NE face; raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A sycamore 11 ins. dia. blazed and scribed 3 H E S 599 + B T bears S. 82° 57' W. 151 lks. dist.

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HOMESTEAD ENTRY SURVEY NO. 599

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains	No other witnesses available. Pits impracticable.
	<hr/> <p>Thence N. 31° 19' E.</p> <p>Asc. 25 ft. along foot of SE. slope in mesquite and oak brush, over rocky land.</p>
0.98	Wire fence bears S. 40° E. and N. 40° W. 80 lks. to cor. from which fence runs N. 30° E.
16.83	<p>To Cor. No. 4.</p> <p>Identical with Cor. H/3 of the list survey, which is a sandstone 14x17x6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 5x4x1 in. marked with a cross, 16 ins. in the ground, over which set a limestone 24x15x8, chiseled + for the point and 4 H E S 599 on S. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high around cor., whence:</p> <p>A hackberry 5 ins. diam. blazed and scribed 4 H E S 599 + B T bears N. 86° 26' W. 112 lks. dist.</p> <p>A hackberry 8 ins. diam. blazed and scribed 4 H E S 599 + B T, bears N. 6° 25' W., 80 lks. dist.</p> <hr/>
	<p>Thence S. 61° 27' E.</p> <p>Desc. 25 ft. along S. slope to river bottom.</p>
2.00	Arroyo 8 lks. wide 1 ft. deep, course SSE.
8.00	Foot descent,
	Thence over bottom land along foot S. slope.
23.99	<p>To Cor. No. 5.</p> <p>Identical with cor. H/2 of the list survey, which is a sandstone 12x8x7 in. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 4x3x3 in. marked with a + 18 ins. in the ground, over which set</p>

Chains

a porphyry stone 24x9x7 ins. chiseled + for the point and 5 H E S 599 on SW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., whence:

A hackberry 5 ins. dia. blazed and scribed 5 H E S 599 + B T, bears S. 78° 50' E. 12 lks. dist.

A China tree 10 ins. dia. blazed and scribed 5 H E S 599 + B T bears S. 18° 30' E. 81 lks. dist.

Thence S. 27° 47' E.

3.30 Fence bears E. and W.

5.35 Right bank San Francisco River, 3 ft. high, running water 2 ft. deep, course West.

8.20 Left bank San Francisco River 2 ft. high, running water 2 ft. deep, course West.

8.43 To Cor. No. 1, the place of beginning.

AREA

Total Area-----27.43 Acres

IMPROVEMENTS

The improvements made on this claim and belonging to the claimant consist of the following:

A frame house 20 x 30 ft., long sides of which bear N. and S., the SW cor. of which bears S. 44° 12' E., 7.16 chs. dist. from Cor. No. 4.

Value-----\$600.00

A stone shed 20 x 20 ft., sides bear N. and S. and E. and W., the SW. cor. of which bears S. 48° 28' E. 5.49 chs. dist. from cor. No. 4.

Value-----\$ 75.00

About 1 mile of wire fence.

Value-----\$100.00

GENERAL DESCRIPTION

This claim is situated in the canyon of the San Francisco River, about 2 miles above the junction with the Blue River.

The soil is mostly sand and gravel flood land with the exception of the northern part, which is a rich, sandy loam.

There is at present only a small garden patch, about one third of an acre in extent under cultivation.

Water for domestic use is obtained from a spring in a small canyon to the north of the house and is piped to the house.

I saw no evidence of mineral upon the claim.

There is no timber of commercial value on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

H. E. S. 237 (accepted survey), adjoins this claim on the south, line 1-7 thereof being identical with line 1-2 of this survey.

Clifton, Arizona, is the nearest postoffice and railroad point, and is about 22 miles dist. by poor wagon road when the San Francisco River is low, and at other times by trail.

TRAVERSE

Course	Dist.	N.	S.	E.	W.
N. 72° 00' W.	14.40	4.45			13.69
N. 89° 50' W.	20.03	.06			20.03
N. 31° 19' E.	16.83		14.38	8.75	
S. 61° 27' E.	23.99		11.47	21.07	
S. 27° 47' E.	8.43		7.46	3.93	
	83.68	18.89	18.93	33.75	33.72
			18.89	33.72	
Error in Lat. and Dep.			.04	.03	

Closing error: 1/1674

Survey completed September 17, 1919.

N. J. Newman
Surveyor-Draftsman
Forest Service

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 18, 1920

The foregoing field notes of Homestead Entry Survey No.

599

executed by *N. F. Newman, Surveyor-Draftsman* [Forest Service Title.]
under his special instructions, dated *May 14*, 1919, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
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.

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