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ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

DEC 12 1921
JAN 3 1922
JAN 20 1922

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 600

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 11, unsurveyed, Township 2 N., Range 30 E.
In Section 2, unsurveyed, Township 2N., Range 30 E.

of the

Gila & Salt River Base and Meridian.

State of

Arizona

Applicant for listing Roy M. Snyder

Residence

Application No. 310, dated March 23, 1913, 19

List No. 3-3264, dated August 10, 1914

Applicant for survey John Casper

Residence Blue, Arizona

H. E. No. 031032, dated September 8, 1916

Land Office Phoenix, Arizona

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

[Forest Service Title]

Under special instructions dated May 14,

1919

Survey commenced May 14,

1920

Survey completed May 15,

1920

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



OATH OF ASSISTANTS

We hereby certify that we assisted, Samuel R. Mercer
Surveyor - Forest Service [Forest Service Title.] in surveying all those
parts or portions of Homestead Entry Survey No. 600, 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 inconvenient to have appeared before
an officer to administer oaths to assist-
ants; hence, they were taken by the survey-
or.

Cecil C. Foxstrom Chairman
Geo S. Burke Chainman

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

Samuel R. Mercer
Surveyor - Forest Service

OATH OF SURVEYOR

I, Lemuel R. Mercer, 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
May 14, 1919, 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. 3-3264, dated August 10, 1914, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 600,
situated within the Apache National Forest, in
unsurveyed Section 11, Township 2N, Range 30E, and
unsurveyed Section 2, Township 2N, Range 30E.

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

S.R. Mercer

Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this 6th day of

December, 1921

Frank G. [unclear]
Notary Public



HOMESTEAD ENTRY SURVEY NO. 600

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing Roy M. Snyder; Application No. 310, dated March 23, 1913. List No. 3-3264 dated August 10, 1914. H.E. 031032, dated September 8, 1916, made in the Phoenix Land Office by John Cosper.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1919, and designated as Homestead Entry Survey No. 600.

Situated in what will probably be when surveyed Sec. 11 & 2, T. 2 N., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

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

Survey commenced May 14, 1920, and executed with a Buff and Buff transit No. 10019, 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.

May 14, 1920.

At my station which is identical with Cor. No. 1 of this survey, hereinafter described, in Lat. $33^{\circ}32'N.$, Long. $109^{\circ}12'47''W.$ from Forest Service Base Map, at 5h. 50m. p.m. l.m.t., I observe Polaris with telescope direct reading an angle of $141^{\circ}57'$ from star to right to a reference mark about 3 miles dist.

Greenwich m.t. U. C. Polaris, May 14, 1920, 10h. 04.0m. a.m.
Corr. for Long. 1.2

L.m.t. U.C. Polaris May 14, 1920, 10h. 02.8m a.m.

L.m.t. obsn. Polaris May 14, 1920, 5h. 50 m p.m.

Hour angle 7h. 47.2m.

Azimuth of Polaris $1^{\circ}11'30''W.$

Bearing of reference mark S. $39^{\circ}14'30''E.$

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains At the same station at 5h. 51m. p.m. l.m.t. I again observe Polaris with telescope reversed reading an angle of $141^{\circ}56'$ from star to same reference mark

l.m.t. U.C. Polaris May 14, 1920, 10h. 02.8m. a.m.

l.m.t. obsn. Polaris May 14, 1920, 5h. 51 m. p.m.

Hour angle 7h. 48.2m.

Azimuth of Polaris $1^{\circ}11'18''W.$

Bearing of reference mark S. $39^{\circ}15'18''E.$

The mean bearing of reference mark as determined from the two obsns. is S. $39^{\circ}14'54''E.$

I accept bearing of S. $39^{\circ}15'E.$ for bearing of reference mark and to the corresponding meridian all the courses of this survey were referred by sustained angulation.

May 14, 1920.

BOUNDARIES OF CLAIM

May 15, 1920.

Beginning at Cor. No. 1.

Identical with Cor. H/3 of the list survey a malpais stone 16x10x6 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of same.

Deposit a malpais stone 5x4x4 ins. marked with a + 18 ins. in ground over which set a malpais stone 28x12x6 ins.

chiseled + for the point and 1 HES 600 on N. face; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of Cor. whence;

A pinon 14 ins. dia. brs. S. $17^{\circ}23'W.$ 10 lks. dist.

A cedar 10 ins. dia. brs. S. $57^{\circ}40'E.$ 7 lks. dist.

Each blazed and scribed 1 HES + 600 B. T.

Cor. Secs. 11, 12, 13 and 14, T. 2 N., R. 30 E., a malpais

stone 28x12x11 ins. set in mound of stone, marked and witnessed as described by the Surveyor General; bears

S. $18^{\circ}28'E.$ 53.49 chs. dist. by direct measurement.

Lat. $33^{\circ}32'N.$ Long. $109^{\circ}12'47''W.$ from Forest Service

APACHE NATIONAL FOREST

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Chains	Base Map.
	Mag. decl. at 8 a.m. is $13^{\circ}07'E$. Mean Mag. decl. $13^{\circ}04'E$.
	Thence N. $14^{\circ}48'E$.
	Desc. 42 ft. over steep NW. slope thru dense scrub oak and box elder.
1.50	Foot of slope thence over bottom land
2.10	Road bears NW. and SE.
3.25	K.P. Creek, 20 lks. wide 1-1/2 ft. deep course SE.
7.10	Leave bottom land, asc. 120 ft. over S. slope
14.60	Top asc. on spur ridge brs. W. Fence bears E. and W.
16.60	Cor. No. 2.
	Identical with Cor. H/2 of the list survey, a malpais stone 16 x 14 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of same.
	Deposit a malpais stone 6 x 6 x 5 ins. marked with a + 20 ins. in ground over which set a malpais stone 30 x 15 x 12 ins. chiseled + for the point and 2 HES 600 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor.
	A pinon 10 ins. dia. brs. N. $35^{\circ}E$. 16 lks. dist.
	A pinon 12 ins. dia. brs. S. $44^{\circ}18'W$. 194 lks. dist.
	Each blazed and scribed 2 HES + 600 B T.
	Thence N. $53^{\circ}05'W$.
	Desc. 86 ft. over rolling rocky SW slope thru scattering live oak.
3.78	Arroyo 5 lks. wide 2 ft. deep, course SW. Asc. 58 ft.
7.95	Spur brs. SW. desc. 46 ft. to arroyo.
12.68	Fence, brs. N. & S.
13.48	Same fence brs. N. $20^{\circ}E$. & S. $20^{\circ}W$.
17.00	Arroyo 5 lks. wide 3 ft. deep course SW. Bottom desc. Asc. 100 ft.

Chains

24.00 Spur brs. SW. Top asc. desc. gradually

28.15 To Cor. No. 3.

Identical with Cor. H/1 of the list survey, a malpais stone 14 x 4 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of same.

Deposit a malpais stone 6 x 6 x 6 ins. marked with a + 16 ins. in ground over which set a malpais stone 26 x 14 x 12 ins. chiseled + for the point and 3 HES 600 on SE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. of cor. whence.

+ 3 HES 600 BR chiseled on a lava rock ledge showing 96 x 72 x 60 ins. above ground, brs. N. 25°00'E. 27 lks. dist.

No other witnesses available.

Thence S. 57°15'W.

Desc. 63 ft. over steep SW. slope

2.52 K.P. Creek, 20 lks. wide 2 ft. deep. Course SE. Thence over bottom land.

6.10 Leave bottom land, Asc. 20 ft. over NE. slope thru dense brush

6.78 To Cor. No. 4.

Identical with Cor. H/4 of the list survey, a malpais stone 20 x 14 x 10 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of same.

Deposit a malpais stone 5 x 4 x 3 ins. marked with a + 18 ins. in ground over which set a malpais stone 28 x 16 x 4 ins. chiseled + for the point and 4 HES 600 on NE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NE. of Cor.

A scrub oak 8 ins. dia. brs. N. 87°58' W. 79 lks. dist.

A scrub oak 8 ins. dia. brs. N. 26°45'E. 81 lks. dist.

HOMESTEAD ENTRY SURVEY NO. 600

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Chains Each blazed and scribed 4 HES + 600 B T.

Thence S. 39°06'E.

Desc. 25 ft. over NE. slope thru dense undergrowth

2.50 Bottom desc. Asc. 100 ft. over W. slope

10.00 Spur. bears NE. Desc. 116 ft. over E. slope

15.95 Arroyo 15 lks. wide, 10 ft. deep course NE.

Bottom desc. Asc. 130 ft. over N. slope

23.20 Spur brs. N. Top asc. Desc. 52 ft. over NE. slope

30.04 Arroyo 5 lks. wide 3 ft. deep course N. Asc. 84 ft. over NW. slope.

37.89 To Cor. No. 1, the point of beginning.

AREA

Total Area 34.40 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 30 x 21 ft. the long sides extending NE. & Sw. the NE. cor. of which brs. from Cor. No. 2 N. 72°14'W. 18.32 chs. dist.

Value \$400.00

Approximately 1 mile of fencing

Value \$ 50.00

DESCRIPTION

This claim lies along KP. Creek about 1/2 mile NW. of its junction with the Blue River. The tract is comprised mainly of bottom land which is at present covered with a heavy growth of willow, box elder and walnut. Approximately 80% of the area if cleared is suitable for agricultural purposes of which about 6 acres are under cultivation at the present time. The soil on the bottom land is a rich black loam of good depth

Chains and very fertile. The hillsides are rocky and fit for grazing only.

Water for all purposes is obtained from K.P. Creek which traverses the claim from NW. to SE.

There is no timber of commercial value on the claim.

I saw no evidence of mineral on the claim

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims. HES. 491 about 1/2 mile NE.

Blue, Arizona, the nearest post office is about 8 miles dist. in a northeasterly direction.

Alpine, Arizona, the nearest trading point and settlement lies about 20 miles in a northerly direction.

TRAVERSE OF CLAIM

Course	Dist.	N.	S.	E.	W.
N. 14° 48' E.	16.60	16.05		4.24	
N. 53° 05' W.	28.15	16.91			22.51
S. 57° 15' W.	6.78		3.67		5.70
S. 39° 06' E.	37.89		29.40	23.90	
	89.42	32.96	33.07	28.14	28.21

Error in Lat. & Dep. .11 .07

Closing Error 1/686

Survey completed May 15, 1920

S.R. Menden
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. 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. 600, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.			
			NORTH.	SOUTH.	EAST.	WEST.								
1 - 2	N.14°48'E.	16.60	16	05 ⁰⁷		4	24 ²⁵	52	11	837	41			
2 - 3	N.53°05'W.	28.15	16	91 ⁹⁴			22	51 ⁴⁹	33	87	573	76		
3 - 4	S.57°15'W.	6.78			3	67 ⁶⁶		5	70 ⁶⁹	5	69	20	83	
4 - 1	S.39°06'E.	37.89			29	40 ³⁵	23	90 ⁹³	23	93		702	35	
		89.42	32	96 ⁰¹	33	07 ⁰¹	28	14 ¹⁸	28	21 ¹⁸	1411	17	723	18
	Error in Lat. & Dept.		33	11	33		28	07			723	18		
	Closing error 1/686								20/	687	99			
										34	40	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.

600

executed by *L. R. Mercer, Surveyor*
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.

[Forest Service Title]

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.

FRANK P. TROTT
U. S. Surveyor General.