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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 611

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 31, un-surveyed, Township 11 N., Range 10 E.,
In Section 32, un-surveyed, Township 11 N., Range 10 E.

of the

Gila & Salt River Base & Meridian.

State of

Arizona.

Applicant for listing Blanket List

Residence

Application No. , dated , 19

List No. 3-4379 , dated August 5 , 1919.

Applicant for survey Ernest F. Pieper,

Residence Payson, Arizona

H. E. No. 045889 , dated March 24 , 1920

Land ~~District~~ Office Phoenix, Arizona.

Survey executed by F. L. Kirby, Deputy Supervisor, Forest Service
(Forest Service Title.)

Under special instructions dated March 6 , 1920

Survey commenced December 1 , 1920

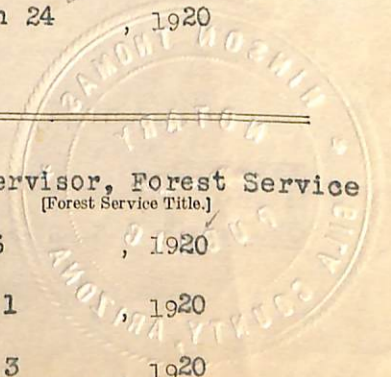
Survey completed December 3 , 1920

Under Acts of June 11, 1906, and May 31, 1920.

FEB. 2 1920
91
JUN 5 1920

ORIGINAL

APR-6 1920



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OATH OF ASSISTANTS

We hereby certify that we assisted **F. L. Kirby**
Deputy Supervisor, Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **611**, 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.

S. P. Roach

Chainman

Subscribed and sworn to before me this **3rd** day of
December, 19**20**

F. L. Kirby

Deputy Supervisor, Forest Service

OATH OF SURVEYOR

I, **F. L. Kirby, Deputy Supervisor, 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
March 6, 19**20**, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land under the cooperative plan upon the application of **(blanket list)**

Blanket List, No. **3-4379**, dated **August 5**, 19**19**, for **amendatory**
Listing and Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **611**,
situated within the **Tonto** National Forest, in
un-surveyed Section **31**, Township **11 N.**, Range **10 E.**, and
un-surveyed Section **32**, Township **11 N.**, Range **10 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.

F. L. Kirby

Deputy Supervisor, Forest Service.
[Forest Service Title.]

Subscribed and sworn to before me this **Monday 21st** day of
December, 19**22**



Heinrich Thomas

Notary Public

My com. expires 2/21/1924



Chains Surveyed a tract of land covered by Blanket List No. 3-4379, dated August 5, 1919. H. E. 045889, made in the Phoenix Land Office on March 24, 1920, by Ernest F. Pieper.

The corners of the list survey were indicated only by a small mound of stone, which were destroyed during the progress of the survey. No bearings were taken to the points for the list corners. No attempt was made to conform this survey to the original listing.

This survey will therefore be used as a basis for amendatory listing and entry.

The entryman was present at the time of survey and agreed to the changes as made. Copy of a signed statement is attached at the end of these notes.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 6, 1920, and designated as Homestead Entry Survey No. 611.

Situated in what will probably be when surveyed Secs. 31 and 32, T. 11 N., R. 10 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and May 31, 1920.

Survey commenced December 1, 1920, and executed with an A. Lietz transit No. 6384, equipped with Siegmuller 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.

December 1, 1920.

At my station, which is approximately S. 78°20' E. 31 chains from Cor. No. 1, in Latitude 34°15'00" N.,

Chains. Longitude $111^{\circ}21'00''$ W., from Forest Service Base Map,
I observe Polaris at western elongation at 2h. 53m. a.m.
l.m.t., telescope direct, reading an angle of $19^{\circ}06'$.
Reference mark east of star.
At same station at 2h. 56m. a.m. l.m.t., telescope
reversed, I again observe Polaris, reading an angle of
 $19^{\circ}05'30''$.
Mean angle star to reference mark $19^{\circ}05'45''$.
Azimuth of Polaris at elongation $1^{\circ}20'51''$
Bearing of reference mark North $17^{\circ}44'54''$ E.
From the meridian thus determined, all the courses of
this survey were deflected by sustained angulation.
December 1, 1920.

BOUNDARIES OF CLAIM

December 2, 1920.

Beginning at Cor. No. 1.

Deposit a red sandstone $3 \times 4 \times 5$ ins. marked with a + 26
ins. in the ground, over which set an iron post 2 ins.
dia. 36 ins. long, with brass cap, stamped 1920 on S.
rim and 1 HES 611 in quadrant facing claim; raise a
mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of Cor.,
whence:

A juniper tree 16 ins. dia. brs. N. $85^{\circ}30'$ E.
231 lks. dist.

A juniper tree 20 ins. dia. brs. N. $61^{\circ}40'$ W.
184 lks. dist.

Each blazed and scribed 1 HES 611 + BT.

The Cor. to Secs. 5, 6, 31 and 32, of Ts. 10 and 11 N.,
R. 10 E., a sandstone $12 \times 8 \times 5$ ins. above ground, marked
and witnessed as described by the Surveyor General,
bears S. $37^{\circ}41'$ W. 33.25 chains distant by direct
measurement.

Latitude $34^{\circ}15'04''$ N., Longitude $111^{\circ}21'24''$ W., from

Chains

Forest Service Base Map.

The observed magnetic declination at 9:00 a.m. is 14° 48' E., which, corrected for diurnal change, gives a mean magnetic declination of 14° 46' E.

Thence N. 26° 50' W.

3.45 Arroyo 12 lks. wide, 1 ft. deep, course S. 10° W.

Ascend 20 ft. across open gentle SE. slope through edge of brush.

17.00 Leave open land, thence over level rocky land through brush.

30.00 Leave brush and rocky land, thence over open and comparatively level ground.

53.14 To Cor. No. 2.

Deposit a red sandstone 3x6x6 ins., marked with a + 26 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap, stamped 1920 on S. rim and 2 HES 611 in quadrant facing claim; raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of Cor., whence:

A juniper tree 30 ins. dia. brs. S. 75° E.
515 lks. dist.

A juniper tree 36 ins. dia. brs. S. 44° 40' W.
290 lks. dist.

Each blazed and scribed 2 HES 611 + BT.

Thence S. 81° 01' E.

3.00 Dry wash, 30 lks. wide, 4 ft. deep, course S. 20° E.

Thence over level land.

26.69 To Cor. No. 3.

Deposit a limestone 2x4x5 ins., marked with a + 26 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap, stamped 1920 on S. rim and 3 HES 611 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor. whence:

Chains

A cedar tree 6 ins. dia. brs. N. 27°52' W.

397 lks. dist.

A hackberry tree 5 ins. dia. brs. S. 62°30' E.

198 lks. dist.

Each blazed and scribed 3 HES 611 + BT.

December 2, 1920.

December 3, 1920.

Thence S. 53°06' E.

Over level land through brush.

46.52 To Cor. No. 4.

Deposit a red sandstone 3x6x6 ins., marked with a + 26 ins. in the ground, over which set a n iron post 26 ins. long 2 ins. dia., with brass cap, stamped 1920 on S. rim and 4 HES 611 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high W. of Cor., whence:

A Juniper tree 12 ins. dia. brs. N. 17°55' E.

635 lks. dist.

A Juniper tree 18 ins. dia. brs. N. 49°50' E.

561 lks. dist.

Each blazed and scribed 4 HES 611 + BT.

Thence S. 24°38' W.

Over open level land.

12.00 To Cor. No. 5.

Deposit a red sandstone 2x5x5 ins. marked with a + 26 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap stamped 1920 on S. rim and 5 HES 611 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

A juniper tree 14 ins. dia. brs. S. 63°45' W.

147 lks. dist.

A juniper tree 4 ins. dia. brs. S. 47°15' E.

Chains 37 lks. dist. Each blazed and scribed 5 HES 611 + BT.

Thence S. 82°41' W.

Descend 20 ft. over open gentle NW. slope.

16.50 Road bears N. and S.

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

AREA

Total Area - - - - - 159.06 acres.

IMPROVEMENTS

At the time of making this survey no improvements had been made upon this land.

DESCRIPTION

This claim is situated on a comparatively level open plateau. The elevation is approximately 5450 ft. The agricultural portion is comparatively flat and level and in a compact piece. The soil is a sandy loam and appears to be very rich and productive. The tract is chiefly valuable for farming purposes and is adapted to the raising of grain hay, potatoes and fruit. At the time of survey no water had been developed, but it was my understanding that the claimant planned to develop water by digging a well.

There is no timber of any value whatever on the tract. There is no indication of any mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H.E.S. 576 lies about 1/8 mile to the west. Payson, Arizona, is the nearest postoffice, and the main trading point for the locality; it is situated about 1-1/2 miles in a southeasterly direction. There is a

HOMESTEAD ENTRY SURVEY NO. 611

TONTO NATIONAL FOREST

STATE OF ARIZONA

6.

Chains

fairly good wagon road to the claim. The nearest rail-
road is at Globe, about 100 miles from Payson.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
N. 26°50' W.	53.14	47.42			23.98
S. 81°01' E.	26.69		4.17	26.36	
S. 53°06' E.	46.52		27.93	37.20	
S. 24°38' W.	12.00		10.91		5.00
S. 82°41' W.	34.86		4.44		34.58
	173.21	47.42	47.45	63.56	63.56
Error in lat. & dep.		03		00	

Closing error 1/5774

Survey completed December 3, 1920.

F. H. Kirby
 Deputy Supervisor - Forest Service

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COPY

December 3, 1920.

I, Ernest F. Pieper, hereby agree to the survey of my homestead, number 611, as completed on December 3, 1920, by Deputy Supervisor F. L. Kirby, and further agree that when notified that the survey has been approved and before attempting to make final proof on my entry, I will apply for amendment of the same to conform with said survey.

The changes made by the surveyor are readjustment of the lines to conform more closely with the cultivable land.

(Sgd.) Ernest F. Pieper,
Claimant.

(Sgd.) S. P. Roach,
Witness.

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. 611, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	N. 26°50' W.	53.14	47 42 ⁴³			23 98 ⁹	23 98	1137 37	
2 - 3	S. 81°01' E.	26.69		4 17	26 36		26 36		109 92
3 - 4	S. 53°06' E.	46.52		27 93 ⁹²	37 20		89 92		2510 57
4 - 5	S. 24°38' W.	12.00		10 91		5 00	122 12		1332 33
5 - 1	S. 82°41' W.	34.86		4 44 ⁴³		34 58	82 54		365 65
		173.21	47 42	47 45	63 56	63 56		1137 37	4318 47
Error in Lat. & Dep.			03		00				1137 37
			47 43	47 43	63 56	63 56			20/3181 10
Closing error 1/5774									159 06

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APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona *April 10*, 1923.

The foregoing field notes of Homestead Entry Survey No.

611.

executed by *F. L. Kirby, Deputy Supervisor* [Forest Service Title]
under his special instructions, dated *March 6*, 1920, 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.