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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 543

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section **33** , **unsurveyed**, Township **14 N.**, Range **2 E.**

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **Mary Rust,**

Residence **Dewey, Arizona**

Application No. **290** , dated **April 18** , 1917

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Office
Land District **Phoenix, Arizona**

Survey executed by **R. P. A. Johnson,** Surveyor - Draftsman
(Forest Service Title.)

Under special instructions dated **May 12** , 1917

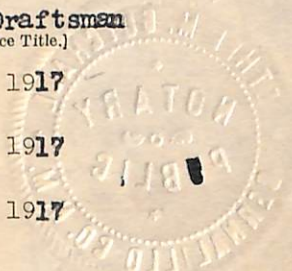
Survey commenced **May 30** , 1917

Survey completed **June 2** , 1917

Under Acts of **June 11, 1906 and August 11, 1916**

OCT. 1 - 1917
MAY - 2 1918

541 add ✓
2 ✓
4 ✓
553 ✓



OATH OF ASSISTANTS

We hereby certify that we assisted R.P.A. Johnson
Surveyor Draftsman in surveying all those
 [Forest Service Title.]
 parts or portions of Homestead Entry Survey No. 543, 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.

Chas. Robinson, Chairman

John E. Adams Chairman

Subscribed and sworn to before me this fourth day of
June, 1917.

R.P.A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R.P.A. Johnson *Surveyor Draftsman*
 [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 12, 1917, 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, embraced in**

Application, No. 290, dated April 18, 1917, for
Patent, under the Act of June 11, 1906,
 the same to be known as Homestead Entry Survey No. 543,
 situated within the Piscott National Forest, in
 unsurveyed Section 33, Township 14N, Range 2E, and
 surveyed Section ---, Township ---, Range ---,

of the Gila and Salt River Bas 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.

R.P.A. Johnson
Surveyor Draftsman

 [Forest Service Title.]

Subscribed and sworn to before me this 25th day of
July, 1917.

Ethel M. Gutchall
Notary Public



PRESCOTT NATIONAL FOREST
STATE OF ARIZONA

Chains Applicant for listing Mary Rust; Application No. 290, dated April 18, 1917.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 12, 1917 and designated as Homestead Entry Survey No. 543.

Situated in what will probably be, when surveyed, Sec. 33, T. 14 N., R. 2 E., Gila and Salt River Base and Meridian, Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11, 1916 under the Cooperative Plan.

Survey commenced May 30, 1917 and executed with a Buff and Buff transit 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 30, 1917, p.m.

I observe Polaris at cor. No. 1, hereinafter described, for azimuth. The reading on the reference object is set at zero and my watch is set for local mean time.

Lat. 34° 32' 30" N., Long. 112° 07' 50" W., from Jerome Quadrangle, U. S. G. S.

Telescope	Time	Horizontal Angle West of Star
Direct	7h. 23m. 12s.	7° 19' 30"
Reversed	7h. 24m. 34s.	7° 20' 30"
Mean	7h. 23m. 53s.	7° 20' 00"

HOMESTEAD ENTRY SURVEY NO. 543

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains . 1.m.t. obsn., May 30, 1917, p.m. 7h. 23.9m.
 Corrected 1.m.t. U.C. Pol., a.m. 8h. 59.3m.
 Hour Angle Polaris at obsn., 10h. 24.6m.
 Azimuth of Polaris, 0° 32' 36"
 Bearing of reference object, N. 7° 52' 36" W.

I again observe Polaris for azimuth at cor. No. 1, hereinafter described. The reading on the reference object West of star is set at zero.

Telescope	Time	Horizontal Angle West of Star
Direct	7h. 25m. 33s.	7° 21' 00"
Reversed	7h. 26m. 26s.	7° 22' 00"
Mean	7h. 25m. 59s.	7° 21' 30"

1.m.t. obsn., May 30, 1917, p.m. 7h. 26.0m.
 Corrected 1.m.t. U.C. Pol., May 30, a.m. 8h. 59.3m.
 Hour Angle Polaris at obsn., 10h. 26.7m.
 Azimuth of Polaris, 0° 31' 42"
 Bearing of reference object, N. 7° 53' 12" W.

The mean of the two observations is N. 7° 52' 54" W., and from the corresponding meridian all the courses of this survey were deflected.

RETRACEMENT

June 1, 1917
 From the cor. for secs. 3, 4, 33 and 34, Ts. 13 and 14 N. R. 2 E., which is a granite stone 8 x 6 x 6 ins. above ground, marked as described by the Surveyor General.
 No witnesses.
 Thence West.
 On random line bet. secs. 4 and 33.

39.95 1/4 sec. cor. bet. secs. 4 and 33, which is described by the Surveyor General as a granite stone, with mound of

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

stone. I find an iron pipe, 1/2 inch in dia., with
brass cap, marked S 34 on N. half and S 4 on S. half,
and dated 1917. (Group No. 61.)
Thence East.

On true line bet. secs. 4 and 33.

- 9.98 Set temp. 1/64 sec. cor. on N. line NW/4 NE/4, sec. 4.
- 29.96 Set temp. 1/64 sec. cor. on N. line NE/4 NE/4, sec. 4.
- 39.95 Cor. for secs. 3, 4, 33 and 34, heretofore described.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1 and C. C. on line bet. secs. 4
and 33.

Identical with point for 1/64 sec. cor. on N. line NE/4
NE/4, sec. 4. Deposit a granite stone 4 x 4 x 1 ins.
marked with a +, 15 ins. in the ground, over which set
a granite stone 25 x 14 x 12 ins., chiseled + for the
point, 1 - H E S 543 on NW. face and C C on N. face;
and raise a mound of stone 3 ft. base, 2 ft. high N.
of cor., whence:

A hackberry, 4 ins. dia., - bears S. 3° 15' W.,
216 lks. dist., scribed 1 H E S 543 C C
S 4 + B T.

A + on a granite boulder in place, 3 x 3 x 3 ft.
above ground, bears N. 49° 05' W., chiseled
B R 1 H E S 543 C C S 33.

Cor. for secs. 3, 4, 33 and 34, heretofore de-
scribed, bears East, 9,99 chs. dist.

1/4 cor. bet. secs. 4 and 33, heretofore described,
bears West, 29,96 chs. dist.

Lat. 34° 32' 30" N., Long. 112° 07' 50" W., from Jerome
Quadrangle of U. S. G. S.

Mag. decl. at 9:00 a.m., 13° 50' E. Mean mag. decl.,
13° 47' E.

Thence West.

HOMESTEAD ENTRY SURVEY NO. 543

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Chains . . . On line bet. secs. 4 and 33, descending 5 ft. over
. . . bottom land, in open, to arroyo.

1.72 Arroyo, 5 lks. wide, banks 1 ft. high, course SE. Thence
over bottom land to creek.

2.30 Enter alfalfa field.

8.43 Leave alfalfa field.

9.58 Ash Creek, running water 20 lks. wide, 6 ins. deep,
banks 2 ft. high, course SE.

10.00 Right bank Ash Creek. Ascend 10 ft. to ditch.

10.80 Fence bears NW. and SE.

12.35 Fence bears N. and S.

14.50 Irrigation ditch, 3 ft. deep, 5 lks. wide, course SE.
Ascend 60 ft. in rocks and brush to cor.

15.60 Road bears NW. and SE.

19.98 To cor. No. 2 and C. C. on line bet. secs. 4 and 33.
Identical with point for 1/64 sec. cor. on N. line
NW/4 NE/4, sec. 4. Deposit a granite stone 5 x 4 x 4
ins. marked with a +, 20 ins. in the ground, over which
set a granite stone 30 x 10 x 9 ins., chiseled + for
the point, 2 - H E S 543 on NE. face and C C on N. face;
and raise a mound of stone 3 ft. base, 2 ft. high N.
of cor., whence:

A + on a granite boulder 4 x 2 x 3 ft. above
ground, bears N. 5° 13' W., 22 lks. dist.,
chiseled B R 2 H E S 543 C C S 33.

A + on a granite boulder 3 x 3 x 4 ft. above
ground, bears S. 56° 20' E., 46 lks. dist.,
chiseled B R 2 H E S 543 C. C S 4.

Cor. for secs. 3, 4, 33, and 34, heretofore de-
scribed, bears East, 29.97 chs. dist.

1/4 sec. cor. bet. secs. 4 and 33, heretofore de-
scribed, bears West, 9.98 chs. dist.

June 1, 1917

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains June 2, 1917:
Thence North.
Descend 45 ft. in brush to arroyo.
2.94 Road bears NW. and SE.
4.40 Arroyo, 40 lks. wide, 5 ft. deep, course NE. Ascend
15 ft. along NE. slope.
6.50 Top ascent. Descend 10 ft. to cor. in brush.
10.00 To cor. No. 3.
Deposit a granite stone 4 x 4 x 3 ins. marked with a
+, 14 ins. in the ground, over which set a granite
stone 24 x 12 x 10 ins., chiseled + for the point and
3 - H E S 543 on SE. face; and raise a mound of stone
3 ft. base, 2 ft. high SE. of cor., whence:
A hackberry, 5 ins. dia., bears N. 60° 31' W.,
85 lks. dist., scribed 3 H E S 543 + B T.
A hackberry, 5 ins. dia., bears N. 86° 15' E.,
129 lks. dist., scribed 3 H E S 543 + B T.

Thence East.
0.17 Right bank Ash Creek, 4 ft. high.
0.74 Ash Creek, running water 15 lks. wide, course SE.
1.40 Left bank Ash Creek, 5 ft. high. Ascend 35 ft. in
brush to ridge.
1.45 Irrigation ditch, 3 ft. deep, 5 lks. wide, course SE.
10.70 Top ridge bears NW. and SE. Descend 15 ft. in brush
to arroyo.
12.35 Arroyo, 8 lks. wide, banks 1 ft. high, course SE.
Ascend 40 ft. in brush to cor.
19.98 To cor. No. 4.
Deposit a granite stone 5 x 3 x 3 ins. marked with a
+, 15 ins. in the ground, over which set a granite
stone 25 x 13 x 10 ins., chiseled + for the point and
4 - H E S 543 on SW. face; and raise a mound of stone

Chains

3 ft. base, 2 ft. high, SW. of cor., whence:

A + on a granite boulder in place, 3 x 2 x 1-1/2 ft. above ground, bears S. 87° 57' W., 21 lks. dist., scribed B R 4 H E S 543.

A + on a granite boulder 3 x 2 x 1-1/2 ft. above ground, bears S. 0° 21' E., 159 lks. dist., chiseled B R 4 H E S 543.

Thence S. 0° 03' W.

Descend 75 ft. in rocks and brush to cor.

5.65 Fence bears E. and W.

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

AREA

Total Area - - - - - 19.99 acres

IMPROVEMENTS

All the improvements made upon this claim and belonging to the claimant, are located on portion of the claim to be listed by legal subdivisions, joining this survey on the South. They consist of the following:

A stone and frame residence 36 x 18 ft., the long side of which bears NW. and SE. and the S. cor. of which bears S. 81° 27' E., 9.50 chs. dist. from cor. No. 2.

Value ----- \$400.00

A frame barn and stable, 70 x 15 ft., the long side of which bears NW. and SE. and the South cor. of which bears S. 76° 14' E., 8.00 chs. dist. from cor. No. 2.

Value ----- \$500.00

A frame chicken house, 18 x 12 ft., the long side of which bears N. 15° E. and SW. cor. of which bears S. 77° 12' E., 10.25 chs. dist. from cor. No. 2.

Value ----- \$ 25.00

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Chains

A frame wood shed, 10 x 10 ft., the sides of which bear N. 15° E. and the NE. cor. of which bears S. 78° 50' E., 9.75 chs. dist. from cor. No. 2.

Value ----- \$ 20.00

A stone shop, 12 x 12 ft., the sides of which bear N. 15° E., and the SE. cor. of which bears S. 80° E., 10.50 chs. dist. from cor. No. 2.

Value ----- \$ 25.00

A stone house, 18 x 15 ft., the long side of which bears N. 15° E., and the NE. cor. of which bears S. 78° 50' E., 9.40 chs. dist. from cor. No. 2.

Value ----- \$ 75.00

There is approximately 1/2 mile of wire fence.

Value ----- \$ 60.00

DESCRIPTION

This claim lies on Ash Creek at an elevation of 4700 ft., and consists of bottom land along the creek, rough rocky hillsides on SW. and low brushy ridges on NW. The general slope is to the SE.

The soil in the bottom is a sandy loam of good depth and produces good crops. On the slopes, the soil is shallow, rocky and non-agricultural.

Water for irrigation and domestic use is obtained from Ash Creek.

There is no timber of commercial value on the claim.

The hillsides are covered with oak brush, and along the creek are sycamore, walnut, cottonwood and hackberry.

I saw no indications of mineral upon the claim, although it lies in a mineralized section.

There are approximately 3-1/2 acres in cultivation on the metes and bounds portion of the entry.

- 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. 543, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	West	19.98				19 98	19 98		0 00
2-3	North	10.00	10 00				0 00		0 00
3-4	East	19.98			19 98		19 99		0 00
4-1	S. 0° 03' W.	10.00		10 00		01	39 97		399 70
		59.96	10 00	10 00	19 98	19 99			20/399 70
			10 00	10 00	19 99	19 99			19 985 Acres.

HOMESTEAD ENTRY SURVEY NO. 543
 PRESCOTT NATIONAL FOREST
 STATE OF ARIZONA

Chains

CONTIGUOUS AND ADJOINING CLAIMS


There are no known conflicts. This claim is joined on the South by portion of this homestead to be listed by legal subdivisions, described as follows: NE/4 NW/4 NE/4 and NW/4 NE/4 NE/4, Sec. 4, T. 13 N., R. 2 E. Dewey, Arizona, the nearest post office and railroad point, is 10 miles to East by good wagon road. Prescott, Arizona, the nearest industrial and commercial center is 28 miles East by good wagon road.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	West	19.98				19.98
2-3	North	10.00	10.00			
3-4	East	19.98			19.98	
4-1	S. 0° 05' W.	10.00	10.00	10.00	19.98	0.01
		59.96	10.00	10.00	19.98	19.99
			10.00			19.98
					.00	.01

Error in Lat. and Dep.
 Closing error, 1:5996.

Survey completed June 2, 1917.


 Surveyor - Draftsman

APPROVAL

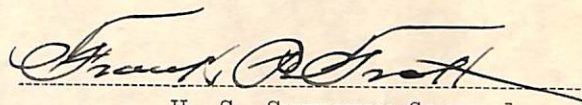
Office of the United States Surveyor General,

Phoenix, Arizona, June 28, 1918

The foregoing field notes of Homestead Entry Survey No.

543

executed by R. P. A. Johnson, Surveyor-Draftsman
[Forest Service Title.]
under his special instructions, dated May 12, 1917, 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.