

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

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OCT-2 1916

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FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 243

SITUATED IN THE

APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 27, - surveyed, Township 5 N., Range 31 E.

Section 34, - surveyed, Township 5 N., Range 31 E.

Section 35, - surveyed, Township 5 N., Range 31 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by C. A. Long, Surveyor - Forest Service

Under special instructions dated August 6, 1914

Survey commenced October 17, 1914

Survey completed October 22, 1914

Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing W. E. Baldwin,

Residence Luna, New Mexico

Application No. 137, dated December 6, 1910

List No. 3-1824, dated April 5, 1912

Applicant for survey Chas. N. Adair, Jr.,

Residence Luna, New Mexico.

H. E. No. 022988, dated July 23, 1913.

Land district Phoenix, Arizona.

OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long,
Surveyor - Forest Service in surveying all those
 parts or portions of Homestead Entry Survey No. 243, in
 - surveyed Section 27, Township 5 N., Range 31 E.,
 - surveyed Section 34, Township 5 N., Range 31 E.,
 - surveyed Section 35, Township 5 N., Range 31 E.

 of the G. & S.R.B. meridian, State of Arizona, which
 are represented in the following field notes as having been
 surveyed by him and under his direction; and that said sur-
 vey 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 fur-
 nished 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.

Wm. R. Warner, Chairman
Fred. Stanley, Chairman

Subscribed and sworn to before me this 22nd day of
October, 1914.

C. A. Long
 Surveyor - Forest Service

OATH OF SURVEYOR

I, C. A. Long, Surveyor-Forest Service, do solemnly swear
 that, in strict conformity with the special instructions of
 the United States Surveyor General for Arizona, dated
August 6, 1914, and the laws of the United States, I have
 well, faithfully, and truly, in my own proper person, sur-
 veyed a tract of land ~~upon the application of~~ embraced in
List, No 3-1824, dated April 5, 1912, for
Patent, under the Act of June 11, 1906,
 the same to be known as Homestead Entry Survey No. 243,
 situated within the APACHE National Forest, in
 - surveyed Section 27, Township 5 N., Range 31 E., and
 - surveyed Section 34, Township 5 N., Range 31 E.,
 - surveyed Section 35, Township 5 N., Range 31 E.

 of the G. & S.R.B. 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 perpet-
 uated in strict accordance with the stated special instruc-
 tions, and in the specific manner described in the field
 notes, and that the following are the original field notes
 of such survey.

C. A. Long
 Surveyor - Forest Service

Subscribed and sworn to before me this 23rd day of

April, 1915.

Essie C. Myers
 Notary Public



APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, W. E. Baldwin; Application No. 137, dated December 6, 1910; List No. 3-1824, dated April 5, 1912; H. E. No. 022988, made at Phoenix, Arizona, on July 23, 1913 by Charles N. Adair, Jr. Surveyed under special instructions from the Surveyor General for Arizona, dated August 6, 1914 and designated as Homestead Entry Survey No. 243.

Situated in secs. 27, 34 and 35, T. 5 N., R. 31 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced October 17, 1914 and executed with a W. and L. E. Gurley light mountain transit No. 11920, with a Burt solar attachment. The transit is provided with a full vertical circle and a horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc, which is also the least reading of the verniers on the vertical circle.

I test the adjustments of my transit and make necessary corrections.

All measurements were made on the slopes with a 500 link steel tape and the slope angles determined with a clinometer, the horizontal distances alone appearing in these notes.

October 17, 1914.

At my camp, which is 59.00 chs. N. and 5.00 chs. W. of the Std. cor. to secs. 34 and 35, T. 5 N., R. 31 E., in Latitude $33^{\circ} 47' 10''$ N., Longitude $109^{\circ} 04'$ W., at 5h. 46m. a.m., l.m.t., my watch is set for local mean time, I observe Polaris at Western elongation in accordance with instructions in the Manual, and mark the line thus

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STATE OF ARIZONA

Chains determined by a tack driven in a peg set in the ground
5.00 chs. N. of my station.

At 7h. 30m. a.m., I set off the azimuth of Polaris $1^{\circ} 23'$
to the East, and mark the true meridian thus determined
by a tack driven in a wooden stake set in the ground
east of the point previously established by me.

At this station, at 9h. 00m. a.m., l.m.t., I set off
 $9^{\circ} 05' 30''$ S. on the declination arc and $33^{\circ} 47'$ on the
latitude arc, and determine a meridian with the solar,
and my line of sight falls $1/4$ of an inch to the east
of the meridian established by Polaris observation.

At the same station at 3h. 00m. p.m., l.m.t., I set off
 $9^{\circ} 12' 15''$ S. on the declination arc and $33^{\circ} 47'$ on
the latitude arc, and determine a meridian with the
solar. My line of sight falls $1/16$ of an inch West
of the meridian established by Polaris observation.
Therefore, I conclude that the adjustments of the in-
strument are satisfactory.

RESURVEY
RETRACEMENT/OF SECTION LINES

October 18, 1914.

I begin at the cor. to secs. 22 and 23, 26 and 27,
T. 5 N., R. 31 E., which is a stone firmly set, marked
and witnessed as described by the Surveyor General. I

At 8h. 30m. a.m., l.m.t., I set off $9^{\circ} 27'$ S. on the de-
clination arc and $33^{\circ} 48' 30''$ on the latitude arc, and
determine a meridian with the solar.

Thence South.

On a retracement line bet. secs. 26 and 27.

- 40.00 Make careful search for the $1/4$ sec. cor. bet. secs. 26
and 27.
- 80.00 Make search for the cor. to secs. 26, 27, 34 and 35.
- 120.00 Make search for $1/4$ cor. bet. secs. 34 and 35.
- 159.82 Fall 8 lks. West of the Std. cor. to secs. 34 and 35 on

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Chains the Township line, which is a stone firmly set, marked and witnessed as described by the Surveyor General.

I return on a true course N. 0° 02' W., through heavy stand of yellow pine over rough rolling land.

79.91 The proportionate point for the cor. to secs. 26, 27, 34 and 35, set a temporary stake.

At the cor. to secs. 27, 28, 33 and 34, which is a stone firmly set, marked and witnessed as described by the Surveyor General. At 3h. 15m. p.m., l.m.t., I set off 9° 33' S. on the declination arc and 33° 47' 30" on the latitude arc, and determine a meridian with the solar. Thence East.

On a retracement line bet. secs. 27 and 34, over rough mountainous land through heavy stand of yellow pine.

39.97 Make search for 1/4 sec. cor. bet. secs. 27 and 34.

79.94 Make search for the cor. to secs. 26, 27, 34 and 35.

117.80 Fall 61 lks. S. of the 1/4 sec. cor. to secs. 26 and 35, which is a granite stone firmly set, marked and witnessed as described by the Surveyor General.

Thence S. 89° 42' W.

On a true line bet. secs. 26 and 35.

39.29 The proportionate point for the cor. to secs. 26, 27, 34 and 35, in an E. and W. direction, as determined by the proportion: $119.94 : 117.80 = 40.00 : 39.29$.

At this point I set a temporary stake and run N. 0° 02' W. and at 86 lks. set a stake, then from the proportionate point on the N. and S. line I run N. 89° 42' E. and at 88 lks. intersect the stake set N. 0° 02' W. 86 lks. from the proportionate point on latitudinal section line, which determines the point for the cor. to secs. 26, 27, 34 and 35. I re-establish this cor. as follows:

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STATE OF ARIZONA

Chains

Set a lava stone 22 x 15 x 12 ins., 12 ins. in the ground, for cor. secs. 26, 27, 34 and 35, marked with 1 notch on S. edge and 2 notches on E. edge, and raise a mound of stone around cor., from which:

A yellow pine, 23 ins. dia., bears N. 19° 40' E., 28 lks. dist., marked T 5 N R 31 E S 26 B T.

A yellow pine, 10 ins. dia., bears S. 41° 45' E., 130 lks. dist., marked T 5 N R 31 E S 35 B T.

A yellow pine, 12 ins. dia., bears S. 10° 17' W., 68 lks. dist., marked T 5 N R 31 E S 34 B T.

A yellow pine, 20 ins. dia., bears N. 70° 37' W., 139 lks. dist., marked T 5 N R 31 E S 27 B T.

The line bet. secs. 26 and 35 bears S. 89° 04' E., 39.29 chs.

The line bet. secs. 27 and 34 bears S. 89° 05' W., 78.51 chs.

The line bet. secs. 26 and 27 bears N. 0° 40' W., 79.91 chs.

The line bet. secs. 34 and 35 bears S. 0° 36' W., 79.90 chs.

October 19, 1914.

At the re-established cor. to secs. 26, 27, 34 and 35; heretofore described, at 8h. 30m. a.m., l.m.t., I set off 9° 49' S. on the declination arc and 33° 47' 30" on the latitude arc and determine a meridian with the solar. Thence S. 0° 36' W.

On a true line bet. secs. 34 and 35.

39.95 Make search for 1/4 sec. cor. finding no trace of it.

I re-establish it as follows: Set a basalt stone 25 x 15 x 10 ins., 15 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face, from which:

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Chains
 A yellow pine, 26 ins. dia., bears N. 25° 36' W.,
 218 lks. dist., marked 1/4 S B T.
 A white oak, 25 ins. dia., bears N. 83° 50' W.,
 235 lks. dist., marked 1/4 S B T.
 I continue on course and at 79.90 chs. intersect the
 Std. cor. to secs. 34 and 35 on Township line, hereto-
 fore described.

BOUNDARIES OF H. E. S. No. 243.

I begin at list cor. No. 11, which is a malpais stone
 18 x 10 x 4 ins. in a mound of stone, marked and wit-
 nessed as described by the Forest Service. I destroy
 it and witnesses thereto, and set a malpais stone 25 x
 14 x 12 ins., 15 ins. in the ground, over a stone mark-
 ed with a cross for cor. No. 1 of this survey, marked
 1 - H E S 243 on side facing claim and a cross on top.
 Dig pits 24 x 24 x 12 ins. crosswise on this and the
 succeeding course, 7 ft. dist.; and raise a mound of
 stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within
 claim, whence:

A nail in a yellow pine, 18 ins. dia., bears
 N. 85° 24' E., 62 lks. dist.

A nail in a yellow pine, 24 ins. dia., bears
 N. 73° 23' W., 73 lks. dist.

A nail in a white oak, 24 ins. dia., bears
 N. 22° 58' E., 70 lks. dist.

Each blazed and scribed 1 H E S 243 B T.

The 1/4 sec. cor. bet. secs. 34 and 35, here-
 tofore described, bears N. 27° 45' E., 6.03
 chs. dist.

October 19, 1914.

At 12h. 15m. p.m., l.m.t., I set off 9° 52' S. on the

Chains

declination arc and observe the sun on the meridian and obtain a reading of $33^{\circ} 47'$ on the latitude arc.

October 20, 1914.

At cor. No. 1 of this survey, heretofore described, at 8h. 30m. a.m., l.m.t., I set off $10^{\circ} 10' 30''$ on the declination arc and $33^{\circ} 47'$ on the latitude arc. and determine a meridian with the solar. The magnetic bearing of the true meridian at 8h. 30m. a.m., is N. $14^{\circ} 30'$ E., which gives the mean magnetic declination $14^{\circ} 28'$ E.

Thence N. $18^{\circ} 40'$ W.

Over level land, through edge of scattering pine.

0.50 Wire fence, bears S. $65^{\circ} 00'$ E. and N. $65^{\circ} 00'$ W.

14.00 Wire fence, bears N. $15^{\circ} 00'$ W. and S. $15^{\circ} 00'$ E.

22.00 Cor. of wire fence is East 80 lks., from which fences bear N. $67^{\circ} 30'$ E. and S. $15^{\circ} 00'$ E.

34.04 To cor. No. 2.

Identical with list cor. No. 10, which is a malpais stone 6 x 8 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and witnesses thereto and set a malpais stone 27 x 12 x 9 ins., 17 ins. in the ground, over a stone marked with a cross for cor. No. 2 of this survey, marked 2 - H E S 243 on side facing claim and a cross on top. Dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a yellow pine, 14 ins. dia., bears S. $89^{\circ} 48'$ E., 90 lks. dist.

A nail in a yellow pine, 16 ins. dia., bears

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S. 21° 07' W., 63 lks. dist.

Each blazed and scribed 2 H E S 243 B T.

Thence N. 65° 59' W.

Over level land along edge of scattering pine.

9.99 To cor. No. 3.

Identical with list cor. No. 9, which is a malpais stone 6 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and witnesses thereto, and set a malpais stone 24 x 22 x 6 ins., 14 ins. in the ground, over a stone marked with a cross for cor. No. 3 of this survey, marked 3 - H E S 243 on side facing claim and a cross on top. Dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a yellow pine, 14 ins. dia., bears N. 71° 34' E., 50 lks. dist.

A nail in a yellow pine, 14 ins. dia., bears S. 36° 26' W., 94 lks. dist.

A nail in a yellow pine, 12 ins. dia., bears N. 34° 20' W., 87 lks. dist.

Each blazed and scribed 3 H E S 243 B T.

Thence N. 38° 11' E.

Over level land through edge of scattering pine.

2.70 Dry wash, 5 lks. wide, 3 ft. deep, course SE.

3.00 Begin to ascend.

5.50 Top of ascent, 10 ft. high.

6.00 Descend 10 ft.

10.50 Leave timber, bottom of slope.

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Chains
11.09

To cor. No. 4 and Closing Corner on line bet. secs.
27 and 34.

Set a malpais stone 24 x 12 x 8 ins., 14 ins. in the
ground, over a stone marked with a cross for cor. No.
4 and closing cor., marked C C on SW. face, and
4 - H E S 243 on SE. face, with a cross on top. Pits
and mounds impracticable, whence:

A nail in a white oak, 30 ins. dia., bears
S. 85° 33' W., 157 lks. dist.

A nail in a white oak, 22 ins. dia., bears
N. 7° 40' W., 171 lks. dist.

Each blazed and scribed 4 C C H E S 243 B T.
re-established
The cor. to secs. 26, 27, 34 and 35, bears
N. 89° 05' E., 16.34 chs. dist.

Thence N. 38° 11' E.

Over open level land.

0.15 Creek, 30 lks. wide, banks 15 ft. deep, water 1 ft.

deep, course SE.

1.75 Ascend 5 ft.

2.13 To cor. No. 5.

Identical with list cor. No. 8, which is a red sand-
stone 10 x 10 x 3 ins. above ground, marked and wit-
nessed as described by the Forest Service. I destroy

it and witnesses thereto, and set a laya stone 23 x
16 x 9 ins., 4 ins. in the ground, to bed rock, over
a stone marked with a cross for cor. No. 5 of this sur-
vey, marked 5 - H E S 243 on side facing claim and a
cross on top. Pits impracticable. Raise mound of
stone around cor. and raise a mound of stone 3 ft.
base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

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A nail in a yellow pine, 6 ins. dia., bears

N. 46° 00' E., 50 lks. dist.

A nail in a yellow pine, 8 ins. dia., bears

S. 62° 34' E., 69 lks. dist.

A nail in a yellow pine, 8 ins. dia., bears

S. 41° 23' E., 82 lks. dist.

Each blazed and scribed 5 H E S 243 B T.

(No larger stone available for cor.)

October 21, 1914.

At cor. No. 5 of this survey, at 8h. 30m. a.m., l.m.t.,

I set off 10° 32' S. on the declination arc and 33° 47'

30" on the latitude arc, and determine a meridian with

the solar.

Thence S. 30° 35' E.

Along foot of hill, through edge of scattering pine and

oak.

1.90 To cor. No. 6 and Closing Corner on line bet. secs. 27

and 34.

Set a laya stone, 26 x 12 x 10 ins., 16 ins. in the

ground, over a stone marked with a cross for closing

corner and cor. No. 6 of this survey, marked C C on

NW. face and 6 - H E S 243 on SW. face, with a cross

on top. Pits and mounds impracticable, whence:

A nail in a forked yellow pine, 26 ins. dia.

at base, bears N. 38° 13' E., 52 lks. dist.

A nail in a yellow pine, 18 ins. dia., bears

S. 28° 08' E., 26 lks. dist.

Each blazed and scribed 6 C C H E S 243 B T.

re-established

The/cor. to secs. 26, 27, 34 and 35, hereto-

fore described, bears N. 89° 05' E., 14.06

chs. dist.

Chains
Cor. No. 4 of this survey bears S. 89° 05' W.,
2.28 chs. dist.

Thence S. 30° 35' E.
Along foot of hill, through edge of scattering pine
and oak.

17.45 To cor. No. 7.
Identical with list cor. No. 7, which is a malpais
stone 6 x 8 x 10 ins. above ground, marked and wit-
nessed as described by the Forest Service. I destroy
it and witnesses thereto, and set a lava stone 26 x 18
x 9 ins., 6 ins. in the ground to bed rock, over a
stone marked with a cross for cor. No. 7 of this sur-
vey, marked 7 - H E S 243 on side facing claim and a
cross on top. Pits impracticable. Raise a mound of
stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within
claim, and raise a mound of stone around cor., whence:
A nail in a blackjack pine, 5 ins. dia., bears
N. 23° 53' W., 23 lks. dist.
A nail in a yellow pine, 16 ins. dia., bears
S. 87° 42' W., 73 lks. dist.
A nail in a blackjack pine, 10 ins. dia., bears
S. 86° 34' E., 44 lks. dist.
Each blazed and scribed 7 H E S 243 B T.

Thence S. 37° 53' E.
Over open land.

2.80 Enter pole corral.
4.50 Leave pole corral.
6.70 Wire fence, bears S. 67° 30' W. and N. 67° 30' E.
8.10 To cor. No. 8 and closing cor. on line bet. secs. 34

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and 35.
 Set a lava stone 26 x 11 x 5 ins., 16 ins. in the ground, over a stone marked with a cross for closing cor. and cor. No. 8 of this survey, marked C C on NW. face and 8 - H E S 243 on SW. face and a cross on top.
 Pits and mounds impracticable, whence:

A nail in a yellow pine, 28 ins. dia., bears

N. 3° 14' W., 151 lks. dist.

A nail in a post oak, 6 ins. dia., bears

N. 66° 18' E., 122 lks. dist.

Each blazed and scribed 8 C C H E S 243 B T.

The 1/4 cor. to secs. 34 and 35 bears

S. 0° 36' W., 18.33 chs. dist.

The cor. to secs. 26, 27, 34 and 35 bears

N. 0° 36' E., 21.62 chs. dist.

Thence S. 37° 53' E.

Over open level land.

3.75 Wire fence, bears N. 29° 00' W. and S. 29° 00' E.

8.75 To cor. No. 9.

Identical with list cor. No. 6, which is a malpais stone 8 x 10 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and witnesses thereto, and set a lava stone 23 x 16 x 12 ins. (no longer stone available), 13 ins. in the ground, over a stone marked with a cross for cor. No. 9 of this survey and marked 9 - H E S 243 on side facing claim and a cross on top. Dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist., and raise a mound of stone and earth 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

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A nail in a yellow pine, 24 ins. dia., bears

N. 29° 20' W., 56 lks. dist.

A nail in a yellow pine, 16 ins. dia., bears

S. 88° 19' W., 88 lks. dist.

Each blazed and scribed 9 H E S 243 B T.

Fence cor. bears S. 88° 19' W., 88 lks. dist.

Thence N. 17° 05' E.

Over gently rolling land, through edge of scattering pine.

11.60 To cor. No. 10.

Identical with list cor. No. 5, which is a malpais stone 10 x 10 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and all witnesses thereto and set a lava stone 25 x 15 x 12 ins., 15 ins. in the ground, over a stone marked with a cross for cor. No. 10 of this survey, marked 10 - H E S 243 on side facing claim and a cross on top. Dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth and stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a yellow pine, 16 ins. dia., bears

N. 68° 40' E., 15 lks. dist.

A nail in a yellow pine, 31 ins. dia., bears

N. 49° 50' W., 31 lks. dist.

A nail in a white oak, 8 ins. dia., bears

S. 74° 05' W., 37 lks. dist.

Each blazed and scribed 10 H E S 243 B T.

Creek bears East, 150 lks.

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Chains Thence N. 8° 19' W.

Over gently rolling land, along edge of scattering pine and oak.

13.14 To cor. No. 11.

Identical with list cor. No. 4, which is a sandstone 8 x 10 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and all witnesses thereto, and set a basalt stone 26 x 12 x 9 ins., 16 ins. in the ground, over a stone marked with a cross for cor. No. 11 of this survey, marked 11 - H E S 243 on side facing claim and a cross on top. Pits impracticable. Raise a mound of stone and earth 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a white oak, 26 ins. dia., bears N. 85° 29' W., 14 lks. dist.

A nail in a white oak, 18 ins. dia., bears N. 6° 56' W., 115 lks. dist.

A nail in a yellow pine, 24 ins. dia., bears N. 70° 26' E., 155 lks. dist.

Each blazed and scribed 11 H E S 243 B T.

Thence S. 48° 04' E.

Over open level land.

1.50 Creek, 10 lks. wide, 1 ft. deep, course S. 3° 00' E.

6.50 Ascend 10 ft.

11.84 To cor. No. 12.

Identical with list cor. No. 3, which is a malpais stone 12 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and all witnesses thereto, and set a lava stone 24 x 15 x 8 ins., 14 ins. in the ground, over a stone marked with a cross for cor. No. 12 of this survey, marked 12 - H E S 243 on side facing claim and a cross

Chains on top. Dig pits 24 x 24 x 12' ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of stone, 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a blackjack pine, 12 ins. dia., bears S. 33° 19' W., 80 lks. dist.

A nail in a blackjack pine, 18 ins. dia., bears S. 79° 18' E., 88 lks. dist.

A nail in a white oak, 20 ins. dia., bears N. 57° 42' E., 130 lks. dist.

Each blazed and scribed 12 H E S 243 B T.

Thence S. 14° 49' W.

Along foot of hill, through edge of scattering pine.

17.60 Cor. of wire fence, bears East 50 lks., from which fences run S. 14° 55' W. and West.

39.29 Wire fence, bears N. 65° 00' W.

40.59 To cor. No. 13.

Identical with list cor. No. 2, which is a malpais stone 15 x 10 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and all witnesses thereto, and set a red iron stone 26 x 16 x 10 ins., 16 ins. in the ground to bed rock, over a stone marked with a cross for cor. No. 13 of this survey, marked 13 - H E S 243 on side facing claim and a cross on top. Pits impracticable. Raise a mound of stone around cor. and also raise a mound of stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. within claim, whence:

A nail in a yellow pine, 18 ins. dia., bears N. 43° 40' E., 12 lks. dist.

A nail in a yellow pine, 14 ins. dia., bears

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Chains

N. 79° 29' W., 21 lks. dist.

Each blazed and scribed 13 H E S 243 B T.

A cross on a basalt ledge, 15 ft. above ground,
bears S. 12° 21' E., marked 13 H E S 243 B O.

Fence cor. bears N. 22° 12' E., 123 lks. dist.

Thence N. 64° 58' W.

Over open level land.

0.97 Creek, 20 lks. wide, banks 8 ft. high, water 1 ft.
deep, course S.

3.57 Creek, 30 lks. wide, banks 10 ft. high, water 1/2 ft.
deep, course S.

4.67 Enter pine reproduction. Ascend 15 ft. over rocky
slope.

6.17 To cor. No. 14 and closing cor. on line bet. secs. 34
and 35.

Set a-lava stone 25 x 14 x 12 ins. in a mound of
stone (no soil, impossible to set in ground), for
closing cor. and cor. No. 14 of this survey, marked
C C on E. face and 14 - H E S 243 on side facing
claim and a cross on top. Pits and mounds imprac-
ticable, whence:

A nail in a blackjack pine, 12 ins. dia., bears
N. 61° 18' W., 83 lks. dist.

A nail in a blackjack pine, 8 ins. dia., bears
N. 7° 00' W., 56 lks. dist.

A nail in a blackjack pine, 6 ins. dia., bears
S. 10° 20' E., 38 lks. dist.

Each blazed and scribed 14 C C H E S 243 B T.

re-established
The 1/4 sec. cor. to secs. 34 and 35 bears

N. 0° 36' E., 9.00 chs. dist.

HOMESTEAD ENTRY SURVEY NO 243

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

The Std. cor. to secs. 34 and 35 bears

S. 0° 36' W., 30.95 chs. dist.

List cor. No. 1, which is a malpais stone

12 x 8 x 8 ins. above ground, marked and wit-

nessed as described by the Forest Service,

bears West, 25 lks. dist. I destroy it and

all witnesses thereto.

Thence N. 36° 35' W.

Over rocky rolling land, through scattering pine.

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

AREA

Area in Sec. 27 - - - - - 0.19 acres

Area in Sec. 34 - - - - - 36.32 acres

Area in Sec. 35 - - - - - 33.65 acres

Total Area - - - - - 70.16 acres.

IMPROVEMENTS

The improvements upon this claim, the property of the claimant herein, consist of the following:

Frame residence (under construction), 26 x 14 ft., course of long sides E. and W., the NW. cor. of which bears from cor. No. 7, S. 3° 06' W., 1.80 chs.

Value ----- \$300.00

Log chicken house, 12 x 14 ft., course of long sides E. and W., the NW. cor. of which bears from cor. No. 7 S. 6° 06' W., 2.47 chs.

Value ----- \$ 5.00

Log barn, 17 x 25 ft., course of long sides E. and W., the NW. cor. of which bears from cor. No. 7, S. 4°

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22' W., 7.92 chs.

Value ----- \$ 35.00

Log barn, 17 x 27 ft., course of long sides E. and W.,
the NW. cor. of which bears from cor. No. 7,

S. 0° 23' W., 7.78 chs.

Value ----- \$ 75.00

About 1 mile of barbed wire fencing.

Value ----- \$150.00

Total value of improvements ----- \$565.00

DESCRIPTION

This claim is at an elevation of 7,900 ft. above sea level. It lies in a narrow valley, well watered by two streams running through the claim, furnishing ample water for all purposes.

The soil is a black sandy loam, sub-irrigated and very fertile, about 30 acres have been under cultivation heretofore, producing good crops of grain and vegetables.

There is no timber or mineral on the claim.

Luna, New Mexico, an inland village and trading post, lies 8 miles distant in a northeasterly direction and is reached by a fair wagon road.

Alpine, Arizona, an inland village and trading place, lies 6 miles distant in a northwesterly direction and is reached by a rough wagon road.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

TRAVERSE in Sec. 27.

Cor.	Course	Dist.	N	S	E	W
4-5	N. 38° 11' E.	2.13	1.67		1.31	
5-6	S. 30° 35' E.	1.90		1.64	0.97	
6-4	S. 89° 05' W.	2.28		0.03		2.28
		6.31	1.67	1.67	2.28	2.28
				1.67	2.28	

Error in Lat. and Dep. .00 .00

Closing error, None.

TRAVERSE in Sec. 34.

Cor.	Course	Dist.	N	S	E	W
1-2	N. 18° 40' W.	34.04	32.25			10.89
2-3	N. 65° 59' W.	9.99	4.07			9.13
3-4	N. 38° 11' E.	11.09	8.72		6.86	
4-6	N. 89° 05' E.	2.28	0.03		2.28	
6-7	S. 30° 35' E.	17.45		15.02	8.88	
7-8	S. 37° 53' E.	8.10		6.39	4.97	
8-14	S. 0° 36' W.	27.33		27.33		0.29
14-1	N. 36° 35' W.	4.55	3.65			2.71
		114.83	48.72	48.74	22.99	23.02
				48.72		22.99

Error in Lat. and Dep. .02 .03

Closing error, 1:3189.

TRAVERSE in Sec. 35.

Cor.	Course	Dist.	N	S	E	W
14-8	N. 0° 36' E.	27.33	27.33		0.29	
8-9	S. 37° 53' E.	8.75		6.91	5.37	
9-10	N. 17° 05' E.	11.60	11.08		3.41	
10-11	N. 8° 19' W.	13.14	13.00			1.90
11-12	S. 48° 04' E.	11.84		7.91	8.81	
12-13	S. 14° 49' W.	40.59		39.24		10.38
13-14	N. 64° 58' W.	6.17	2.61			5.59
		119.42	54.02	54.06	17.88	17.87
				54.02	17.87	

Error in Lat. and Dep. .04 .01

Closing error, 1:2899.

Survey completed October 22, 1914.

Ca. Long

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. 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.

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. **243**, STATE OF **Arizona**.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
Sec. 34 1-2	N. 18° 40' W.	34.04	32 25 ⁶			10 89 ⁸	29 14	940 06		
2-3	N. 65° 59' W.	9.99	4 07			9 13	9 13	37 16		
3-4	N. 38° 11' E.	11.09	8 72		6 86 ⁷	6 87	6 87	59 91		
4-6	N. 89° 05' E.	2.28	0 03		2 28	16 02	16 02	0 48		
6-7	S. 30° 35' E.	17.45		15 02	8 88 ⁹	27 19	27 19		408 39	
7-8	S. 37° 53' E.	8.10		6 39 ²	4 97	41 05	41 05		262 31	
8-14	S. 0° 36' W.	27.33		27 33		45 73	45 73		1249 34	
14-1	N. 36° 35' W.	4.55	3 65			42 73	42 73	155 96		
		114.83	48 72	48 74	22 99	23 02		1193 57	1920 04	
	Closing error, 1:3189.		48 73	48 73	23 01	23 01		1193 57	726 47	
								36 323 acres.		
Sec. 27. 4-5	N. 38° 11' E.	2.13	1 67		1 31	1 31	1 31	2 19		
5-6	S. 30° 35' E.	1.90		1 64	0 97	3 59	3 59		5 89	
6-4	S. 89° 05' W.	2.28		0 03		2 28	2 28		0 07	
		6.31	1 67	1 67	2 28	2 28		2 19	5 96	
			1 67	1 67	2 28	2 28			2 19	
									3 77	
									0 19 acres.	
	Closing error, None.									

Et
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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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 243, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 35.									
14-8	N. 0° 36' E.	27.53	27 33		0 29		0 29	7 93	
8-9	S. 37° 53' E.	8.75		6 91	5 37		5 95		41 11
9-10	N. 17° 05' E.	11.60	11 08		3 41		14 73	163 21	
10-11	N. 8° 19' W.	13.14	13 00			1 90	16 24	211 12	
11-12	S. 48° 04' E.	11.84		7 91	8 81		23 15		183 12
12-13	S. 14° 49' W.	40.59		39 24		10 38	21 57		845 54
13-14	N. 64° 58' W.	6.17	2 61			5 59	5 59	14 59	
		119.42	54 02	54 06	17 88	17 87		396 85	1069 77
			54 02	54 02	17 88	17 88			396 85
									672 92
									33 65 acres.
	Closing error, 1:2899.								

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 2 , 1917

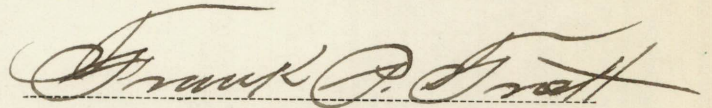
The foregoing field notes of Homestead Entry Survey No.

243

executed by C. A. Long, Surveyor Forest Service

[Forest Service Title.]

under his special instructions, dated August 6 , 1914, 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.