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ORIGINAL
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

33

APR 17 1920

MAY 13 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 546

SITUATED IN THE TUSAYAN NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 35 , -- surveyed, Township 22 N. , Range 5 E.

of the

GILA AND SALT RIVER BASE Meridian.

State of

ARIZONA

Applicant for listing Delbert J. Thompson,
Residence Belmont, Arizona.
Application No. 417 , dated November 24 , 19 14
List No. 3-3455 , dated December 29 , 19 14

Applicant for survey Delbert J. Thompson,
Residence Belmont, Arizona.
H. E. No. 027505 , dated June 22 , 19 15
Land Office Phoenix, Arizona.

Survey executed by A. W. Hendrix, Surveyor - Draftsman, Forest Service,
(Forest Service Title)
Under special instructions dated February 15 , 19 18
Survey commenced April 19 , 19 19
Survey completed April 24 , 19 19
Under Acts of June 11, 1906 and October 1, 1918.

OATH OF ASSISTANTS

We hereby certify that we assisted **A. W. Hendrix, Surveyor -**
Draftsman, Forest Service, in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **546**, 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 oath
to Assistant; hence, it was
taken by the Surveyor.

Donald Harrison
Chairman

Subscribed and sworn to before me this **24th** day of
April, 19 **19**

A. W. Hendrix
Surveyor - Draftsman
Forest Service

OATH OF SURVEYOR

I, **A. W. Hendrix, Surveyor - Draftsman, 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
February 15, 19 **18**, 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. **3-3455**, dated **December 29, 19 14**, for
Patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **546**,
situated within the **TUSAYAN** National Forest, in
-- surveyed Section **35**, Township **22 N.**, Range **5 E.**, and
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.

A. W. Hendrix
Surveyor - Draftsman Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **21st** day of
Feb, 19 **20**

Sam. R. Halberstam
Notary Public



Very Com.
expires Feb 11, 1923.
6-2349

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Delbert J. Thompson; Application No. 417, dated November 24, 1914; List No. 3-3455, dated December 29, 1914; H. E. Q27505 made in the Phoenix Land Office on June 22, 1915, by Delbert J. Thompson.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 546.

Situated in Section 35, T. 22 N., R. 5 E., Gila and Salt River Base and Meridian, Tusayan National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and October 1, 1918.

Survey commenced April 19, 1919, and executed with a W. & L. E. Gurley light mountain transit No. 12731, equipped with Burt 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 400 link steel tape. The slope angles were determined with a clinometer.

April 19, 1919.

At the cor. of Ts. 21 and 22 N., Rs. 5 and 6 E., hereinafter described, in latitude $35^{\circ} 14' 20''$ N., Long. $111^{\circ} 48' 20''$ W., from Forest Service base map. At 6h. 49m. p.m., l.m.t., I observe Polaris with telescope direct, reading an angle of $30^{\circ} 03'$ from star to left to reference mark about one mile distant.

Greenwich m.t. U.C. Polaris, April 19, 1919, 11h. 44.5m.m.

Correction for long. 1.2m

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains 1.m.t. U.C. Polaris, April 19, 1919, 11h. 43.3m. a.m.
 1.m.t. obsn. Polaris, April 19, 1919, 6h. 49.0m. p.m.
 Hour Angle, 7h 05.7m.
 Azimuth of star at obsn. $1^{\circ} 18' 54''$ W.
 Bearing of reference mark, N. $31^{\circ} 21' 54''$ W.
 At the same station at 7h. 04.5m. p.m., 1.m.t., I again
 observe Polaris with telescope reversed, reading an
 angle of $30^{\circ} 05'$ from star to left to same reference
 mark.
 1.m.t. U.C. Polaris, April 19, 1919, 11h.43.3m. a.m.
 1.m.t. obsn. Polaris, April 19, 1919, 7h.04.5m. p.m.
 Hour Angle 7h.21.2m
 Azimuth of star at obsn. N. $1^{\circ} 17'$ W.
 Bearing of reference mark, N. $31^{\circ} 22'$ W.
 The mean bearing of the reference mark as determined
 from the two observations is N. $31^{\circ} 21'.57''$ W. I
 accept bearing of reference mark as N. $31^{\circ} 22'$ W. and
 to the meridian thus determined all courses of the
 survey were referred by sustained angulation.
 April 19, 1919.

RETRACEMENT AND RESURVEYS

April 20, 1919.

Beginning at the cor. of Ts. 21 and 22, N., Rs. 5 and
 6 E., which is a post 4 x 4 x 18-ins., set in a mound
 of stone, marked and witnessed as described by the
 Surveyor General. Post is badly decayed. I there-
 fore destroy all trace of same and in its place set a
 malpais stone 6 x 12 x 24 ins., 18 ins. in the ground,
 chiseled 6 notches on N., E., S. and W. faces.

Thence N. $89^{\circ} 50'$ W. one 3/4 cor. bet.

Retracing S. bdy. of T. 22 N., R. 5 E.

40.00 After careful search find no trace of 1/4 cor. bet.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains	Secs. 1 and 36.
80.00	After careful search find no trace of cor. to Secs. 1, 2, 35 and 36.
120.00	After careful search find no trace of 1/4 cor. bet. secs. 2 and 35.
160.00	After careful search find no trace of cor. to Secs. 2, 3, 34 and 35.
200.56	Fall 58 lks. N. of 1/4 cor. bet. Secs. 3 and 34, which is a malpais stone 6 x 10 x 18 ins., set in mound of stone, mkd. and witnessed as described by the Surveyor General.
	Thence East.
	On a true line bet. Secs. 3 and 34, E/2.
	Point for cor. of Secs. 2, 3, 34 and 35, falls in a spur track of the Santa Fe Railway; therefore set witness cor. as follows:
39.16	Set a malpais stone 12 x 12 x 24 ins. 14 ins. in ground, chiseled W C on S., 4 notches on W. and 2 notches on E. faces; raise a mound of stone 2-1/2 ft. base, 1-1/2 ft. high, N. of cor.
40.16	Proportionate point for cor. of Secs. 2, 3, 34 and 35, determined by the following proportion: 200.06 : 200.56 :: 40.06 : x = 40.16. This point falls in spur track of Santa Fe Railway and it is therefore impracticable to set cor. at this point. I again make careful search for sec. cor., (which is described by Surveyor General as a post 3-1/2 ins. sq., 3 ft. above ground, set in mound of stone) but fail to find any trace of same.
	Thence East,
	On a true line, bet. Secs. 2 and 35,
20.05	Set temp. point for 1/16 cor. which will be cor. No. 9, of this survey.

Chains

40.10

Proportionate point for 1/4 cor. bet. Secs. 2 and 35, determined from following proportion: 160.00 : 160.40 :: 40.00: x = 40.10. I again make careful search for 1/4 cor. (which is described by Surveyor General as a post 3 ins. dia., 2 ft. above ground, in mound of stone), but fail to find any trace of same. I therefore reestablish 1/4 cor. as follows:

Set a malpais stone 12 x 14 x 24 ins., 18 ins. in the ground, chiseled 1/4 on N. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor.

60.15

Set temp. point for 1/16 cor.

80.20

Proportionate point for cor. of Secs. 1, 2, 35 and 36, determined by the following proportion: 160.00 : 160.40 :: 80.00: x = 80.20. I again make careful search for sec. cor. (which is described by the Surveyor General as a post 5 ins. sq., 3 ft. above ground, set in mound of stone), but fail to find any trace of same. Point for sec. cor. falls in Flagstaff-Williams highway, and as line continues along same it is impracticable to set witness cor. on line within limits, therefore at a point N. 0° 57' W., 41.lks. from true point for cor. I set a witness cor. to cor. of secs. 1, 2, 35 and 36, as follows:

Set a malpais stone 10 x 12 x 26 ins., 20 ins. in the ground, chiseled W C on S. face, 5 notches on W. and 1 notch on E. faces.

Note: This witness cor. is on line bet. Secs. 35 and 36, and was set when running line bet. Secs. 35 and 36, hereinafter recorded.

Return to true point for cor. of Secs. 1, 2, 35 and 36. Thence East,

On a true line bet. secs. 1 and 36.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains
40.10

Proportionate point for 1/4 cor. bet. Secs. 1 and 36, determined by the following proportion. 80.00 : 80.20 :: 40.00 : x = 40.10. I again make careful search for the 1/4 cor. (which is described by the Surveyor General as a post 3 ins. dia., 2 ft. above ground, set in mound of stone), but fail to find any trace of same. Point for 1/4 cor. falls in Flagstaff-Williams highway and it is impracticable to set W. C. 1/4 cor. on line within limits, therefore at a point North 9 lks. from true point for 1/4 cor. I set a witness cor. for 1/4 cor. as follows:

Set a malpais stone 6 x 12 x 20 ins., 12 ins. in the ground, chiseled W.C. on S. and 1/4 on N. faces, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, North of cor.

Continue on line from true point for 1/4 cor.

80.20 The cor. of Ts. 21 and 22, Rs. 5 and 6, E., heretofore described,

April 20, 1919.

April 21, 1919.

Return to true point for cor. to Secs. 2, 3, 34 and 35, hereinbefore described.

Thence North, (Record course N. 0° 02' E.)

On a random line bet. Secs. 34 and 35.

40.00 After careful search find no trace of 1/4 cor.

80.20 Fall 32 lks. East of cor. to Secs. 26, 27, 34 and 35, which is a post 3 ins. dia., 18 ins. above ground, mkd. and witnessed as described by the Surveyor General. Old post is badly decayed, I therefore destroy all trace of same and in its place set a malpais stone 6 x 14 x 30 ins. 20 ins. in the ground, chiseled 2 notches on E. and 1 notch on S. faces, and raise a mound of stone 2 ft. base,

Chains

1-1/2 ft. high, West of cor., whence:

A pine 26 ins. dia., blazed and scribed

T 22 N., R 5 E. S 34 B T, bears

S. 51° 45' W., 435 lks. dist. (New B.T.)

No other witnesses available. Pits impracticable.

Note: The old bearing tree recorded in the field notes from the Surveyor General is dead, but still standing.

Thence S. 0° 14' E.

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

40.10 Proportionate point for 1/4 cor. I again make careful search for 1/4 cor., but find no evidence of same. I therefore reestablish 1/4 cor. as follows:

Set a malpais stone 6 x 14 x 24 ins., in mound of stone 3 ft. base, 1-1/2 ft. high, (impracticable to set stone in ground), chiseled 1/4 on W. face, whence:

A pine 10 ins. dia., bears N. 88° 55' E.,

305 lks. dist., blazed and scribed

1/4 S 35 B T (New B T)

A pine 12 ins. dia., brs. S. 37° 05' E.,

294 lks. dist., blazed and scribed

1/4 S 35 B T. (New B T)

No bearing trees available in Sec. 34.

80.20 Point for cor. to Secs. 2, 3, 34 and 35, previously determined as hereinbefore recorded

Return to cor. of Secs. 26, 27, 34 and 35, heretofore described.

Thence S. 89° 50' E. (Record course S. 89° 48' E.)

On a random line bet. Secs. 26 and 35.

40.00 After careful search, find no trace of 1/4 cor.

79.25 Fall 23 lks. S. 0° 10' W., of cor. to Secs. 25, 26, 35 and 36, which is a post 3 x 3 x 30 ins., set in mound of stone, mkd. and witnessed as described by the Surveyor

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

General. Old post is badly decayed; I therefore destroy all trace of same and in its place, set a malpais stone 8 x 12 x 24 ins., in mound of stone 3 ft. base, 1-1/2 ft. high, chiseled 1 notch on S. and 1 notch on E. faces.

Thence West,

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

39.625 Proportionate point for 1/4 cor. I again make careful search for 1/4 cor. but fail to find any evidence of same. I therefore reestablish 1/4 cor. as follows:
Set a malpais stone 8 x 12 x 26 ins., in mound of stone 3 ft. base, 1-1/2 ft. high, chiseled 1/4 on N. face,
whence:

A pine 20 ins. dia., brs. N. 45° 00' W.,
188 lks. dist., blazed and scribed
1/4 S 26 B T. (New B T)

A pine 18 ins. dia., brs. S. 11° 15' W.,
227 lks. dist., blazed and scribed
1/4 S 35 B T (New B T)

79.25 Cor. to Secs. 26, 27, 34 and 35, heretofore described.

Return to cor. to Secs. 25, 26, 35 and 36, heretofore described.

Thence South, (Record course S. 0° 02' W.)

On a random line bet. Secs. 35 and 36.

40.00 After careful search, find no trace of 1/4 cor.

80.21 Fall 133 lks. West of true point for cor. to Secs. 1, 2, 35 and 36, heretofore recorded.

Thence N. 0° 57' W.

On a true line bet. Secs. 35 and 36.

.41 Witness cor. for cor. to Secs. 1, 2, 35 and 36, heretofore described.

20.055 Set temp. point for 1/16 cor.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

40.11

Proportionate point for 1/4 cor. bet. Secs. 35 and 36.

I again make careful search for 1/4 cor., but fail to find any evidence of same. I therefore reestablish 1/4 cor. as follows:

Set a malpais stone 8 x 14 x 16 ins. (no longer stone available) 10 ins. in the ground, chiseled 1/4 on West face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, West of cor.

No witnesses available. Pits impracticable.

April 21, 1919.

SUBDIVISION OF SECTION 35

April 22, 1919.

From the 1/4 cor. bet. Secs. 35 and 36, heretofore described.

Thence West.

On random latitudinal 1/4 sec. line, through center of Sec. 35.

79.72 Intersect 1/4 cor. bet. Secs. 34 and 35, heretofore described.

Thence East.

On true latitudinal 1/4 sec. line, through center of Sec. 35.

19.93 Set temp. point for 1/16 sec. cor., which will also be cor. No. 10 of this survey.

39.86 Set temp. point for center 1/4 sec. cor.

49.825 Set temp. point for 1/64 sec. cor., which will also be Cor. No. 5 of this survey.

59.79 Set temp. point for 1/16 sec. cor.

79.72 The 1/4 cor. bet. secs. 35 and 36, heretofore described.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains	From the 1/4 cor. bet. Secs. 26 and 35, heretofore described.
	Thence S. 0° 34' E.
	On random meridional line through center Sec. 35.
40.09	Fall 1 lk. West of temp. center 1/4 sec. cor. on latitudinal 1/4 sec. line.
80.20	Fall 2 lks. West of 1/4 cor. bet. Secs. 2 and 35, heretofore described.
	Thence N. 0° 35' W.
	On true meridional 1/4 sec. line, through center Sec. 35.
10.025	Set temp. 1/64 sec. cor., which will also be Cor. No. 7 of this survey.
20.055	Set temp. 1/16 sec. cor.
40.11	Intersect temp. center 1/4 sec. cor. set on latitudinal 1/4 sec. line.
80.20	The 1/4 cor. bet. secs. 26 and 35, heretofore described.
<hr/>	
	From the temp. 1/16 sec. cor. bet. secs. 35 and 36, S/2.
	Thence West.
	On latitudinal 1/16 sec. line through center SE/4, for flag on temp. 1/16 sec. cor. center S/2 sec. 35, which is plainly visible.
20.00	Set temp. 1/16 sec. cor. center SE/4.
39.99	The temp. 1/16 sec. cor., center S/2, Section 35. I move temp. 1/16 sec. cor. center SE/4, East 1-1/2 lks.
<hr/>	
	From the temp. 1/16 sec. cor. bet. secs. 2 and 35, E/2.
	Thence N. 0° 46' W.
	On meridional line through center SE/4, for flag on temp. 1/16 cor. center E/2, Sec. 35, which is plainly visible.
20.05	Intersect temp. 1/16 sec. cor. center SE/4.
40.10	The temp. 1/16 sec. cor. center E/2, Sec. 35.

Chains

From the temp. 1/16 sec. cor. on line bet. Secs. 2 and 35, W/2.

Thence N. 0° 25' W.

On true meridional 1/16 sec. line, through center SW/4 for flag on temp. 1/16 sec. cor. center W/2, Sec. 35, which is plainly visible.

40.11 The temp. 1/16 sec. cor. center W/2, Sec. 35.

April 22, 1919.

BOUNDARIES OF CLAIM

April 23, 1919.

I adopt mean courses and distances for the exterior boundaries of this claim within the quarter-quarter sections invaded.

The center line method of laying down the boundaries of the exception for logging railway was not used in this survey.

TRACT A

Beginning at Cor. No. 1,

Identical with the 1/4 cor. bet. secs. 2 and 35, heretofore described. I chisel same stone + on top for cor. No. 1 of this survey and alongside to North deposit a malpais stone 2 x 2 x 3 ins. marked with a +, 16 ins. in the ground, over which set a malpais stone 8 x 10 x 20 ins. chiseled I H E S 546 on NW. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor.,

No witnesses available. Pits impracticable.

Lat. 35° 14' 20" N., Long. 111° 49' 50" W., from Forest Service Base Map.

Mag. decl. at 8.a.m., 14° 45' E. Mean mag. decl., 14° 42' E.

Thence West.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains	Along line bet. Secs. 2 and 35, over open level land.
.25	Fence, bears N. and S.
.80	Road, bears NW. and SE.
8.50	Center of Saginaw and Manistee Lumber Company, logging railway spur, track bears N. 20° E. and S. 20° W.
8.78	To Cor. No. 2, and closing cor. on line bet. secs. 2 and 35, on east side of strip excepted for logging railway. Deposit a malpais stone 2 x 4 x 5 ins. mkd. with a + 18 ins. in the ground, over which set a malpais stone 6 x 8 x 24 ins. chiseled + for the point and 2 H E S 546 on ENE. face and C C on NE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor. No witnesses available. Pits impracticable. The 1/4 cor. bet. Secs. 2 and 35, heretofore described, bears East, 8.78 chs. dist. The cor. of Secs. 2, 3, 34 and 35, heretofore described, bears West, 31.32 chs. dist.
	Thence N. 47° 00' E.
	Along E. side of exception for logging railway, over level open land.
2.00	Spur track of Saginaw and Manistee Lumber Company logging railway, bears N. 20° E. and S. 20° W.
7.50	Williams-Flagstaff highway, bears S. 80° E. and N. 80° W.
9.50	Fence, bears N. and S.
10.68	To Cor. No. 3. Deposit a malpais stone 2 x 3 x 4 ins. mkd. with a + 18 ins. in the ground, over which set a malpais stone 6 x 14 x 24 ins. chiseled + for the point and 3 H E S 546 on E. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor., No witnesses available. Pits impracticable.

Chains

Thence N. 5° 00' E. Asc. 15 ft. over gently rolling open land, along E. side of exception for logging railway.

1.50 Fence, bears E. and W.

1.75 Wash, 20 lks. wide, course SE.

23.00 Spur track Saginaw and Manistee Lumber Company logging railway, bears NE. and SW.

26.00 Enter cultivated land.

32.94 To Cor. No. 4.

On latitudinal 1/4 sec. line,

Deposit a malpais stone 2 x 2 x 3 ins. mkd. with a +, 16 ins. in the ground, over which set a malpais stone 6 x 10 x 22 ins. (no longer stone available) chiseled + for the point and 4 H E S 546 on SE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., whence:

A pine 10 ins. dia., blazed and scribed

4 H E S + 546 B T, bears N. 30° 15' E.,

300 lks. dist.

No other witnesses available. Pits impracticable.

Thence East,

Along latitudinal 1/4 sec. line, Desc. 10 ft. to cor. over cultivated land.

.30 Wash 30 lks. wide, course SE.

2.00 Leave cultivated field, bears NW. and SE.

Thence over gently rolling open land.

6.65 Fence, bears N. 70° W. and S. 70° E.

6.96 Fence, bears N. and S.

7.65 To Cor. No. 5.

Identical with temp. 1/64 sec. cor. center W/2 of E/2 Sec. 35.

Deposit a malpais stone 2 x 6 x 6 ins. mkd. with a +

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

18 ins. in the ground, over which set a malpais stone
12 x 14 x 24 ins. chiseled + for the point and 5 H E S
546 on SW. face; raise a mound of stone 2 ft. base,
1-1/2 ft. high, SW. of cor.

No witnesses available. Pits impracticable.

April 23, 1919.

April 24, 1919.

Thence S. 0° 41' E.

On mean course and dist. through center W/2 of SE/4, Sec. 35.

Desc. 30 ft. to cor. over gently rolling land.

.15 Fence, bears N. 70° W. and S. 70° E.

.20 Enter cultivated field, fence parallels line 60 lks. West.

3.00 Wash, 15 lks. wide, course E:

11.00 Fence, bears East and West, Leave cultivated land;
thence over gently rolling land.

29.00 Wash, 30 lks. wide, course E.

30.00 Road, brs. N. 70° E. and S. 70° W.

30.07 To Cor. No. 6.

Identical with point for 1/64 sec. cor. center SW/4,
SE/4. Sec. 35.

Deposit a malpais stone 3 x 3 x 3 ins. mkd. with a +
17 ins. in the ground, over which set a malpais stone
10 x 12 x 22 ins. (no longer stone available), chiseled
+ for the point and 6 H E S 546 on NW. face; raise a
mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor.,

No witnesses available. Pits impracticable.

Thence West,

On mean course and dist. along latitudinal 1/64 sec.
line through center SW/4 SE/4: Asc. 5 ft. to cor.
over gently rolling open land.

.10 Road, bears N. 70° E. and S. 70° W.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

.75 Fence, bears N. and S.

1.50 Wash, 30 lks. wide, course NE.

10.01 To Cor. No. 7,
Identical with temp. 1/64 sec. cor. on meridional 1/4 sec. line, S/2 of S/2, Sec. 35.
Deposit a malpais stone 2 x 4 x 6 ins. mkd. with a + 18 ins. in the ground, over which set a malpais stone 8 x 12 x 24 ins. chiseled + for the point and 7 H E S 546 on NW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor.

No witnesses available. Pits impracticable.

Thence S. 0° 35' E.

Along meridional 1/4 sec. line. Asc. 15 ft. to cor. over gently rolling open land.

.30 Fence, bears E. and W.

.35 Wash, 30 lks. wide, course E.

6.50 Fence, bears E. and W.

6.70 Williams-Flagstaff highway, bears N. 60° W. and S. 60° E.

9.60 Fence, bears NE. and SW.

9.75 Fence, bears E. and W.

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

Tract B.

Beginning at Cor. No. 8 and closing cor. on line bet. Secs. 2 and 35,

On West boundary of exception for logging railway.

Deposit a malpais stone 3 x 3 x 6 ins. mkd. with a + 18 ins. in the ground, over which set a malpais stone 6 x 10 x 24 ins. chiseled + for the point, 8 H E S 546 on NW. face; and C C on NE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

No witnesses available. Pits impracticable.

Cor. No. 2 heretofore described, bears East,
2.93 chs. dist.

1/4 cor. bet. secs. 2 and 35, heretofore de-
scribed, brs. East, 11.71 chs. dist.

Cor. to Secs. 2, 3, 34 and 35, heretofore de-
scribed, brs. West, 28.39 chs. dist.

Thence West,

Along line bet. Secs. 2 and 35, over level open land.

1.90 Center of Saginaw and Manistee Lumber Company Logging
Railway, bears N. 60° W. and S. 60° E.

8.34 To Cor. No. 9, and Closing cor. on line bet. Secs.
2 and 35.

Identical with temp. 1/16 sec. cor. W/2 Sec. 35,

Deposit a malpais stone 2 x 4 x 6 ins. mkd. with a +
16 ins. in the ground, over which set a malpais stone
8 x 14 x 22 ins. (no longer stone available) chiseled
+ for the point, 9 H E S 546 on NE. face; 1/16 on W.
face, and C C on North face; raise a mound of stone
2 ft. base, 1-1/2 ft. high, N. of cor.

No witnesses available. Pits impracticable.

1/4 cor. bet. secs. 2 and 35, heretofore de-
scribed brs. East, 20.05 chs. dist.

Cor. to Secs. 2, 3, 34 and 35, heretofore de-
scribed, brs. West, 20.05 chs. dist.

Thence N. 0° 25' W.

Along meridional 1/16 sec. line, through center SW/4,
Asc. 50 ft. to cor., over gently rolling open land.

.50 Center Saginaw and Manistee Lumber Company logging rail-
way, bears E. and W.

.84 Center Saginaw and Manistee Lumber Company logging rail-
way, bears E. and W.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

5.55 Center new grade, Saginaw and Manistee Lumber Company logging railway, bears NW. and SE.

8.00 Fence, bears E. and W. Enter cultivated field.

10.00 Fence, bears E. and W. Leave cultivated field.

10.70 Williams-Flagstaff highway, bears N. 60° W. and S. 60° E.

11.00 Fence, bears E. and W.

16.50 Wash, 200 lks. wide, course E.

40.11 To Cor. No. 10.

Identical with temp. 1/16 sec. cor. center W/2, Sec. 35. Deposit a malpais stone 2 x 3 x 3 ins. mkd. with a +, 14 ins. in the ground, over which set a malpais stone 8 x 18 x 20 ins. (no longer stone available), chiseled + for the point, 10 H E S 546 on SE. face; and 1/16 on W. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor.

No witnesses available. Pits impracticable.

Thence East.

Along latitudinal 1/4 sec. line, Desc. 40 ft. to cor. over gently rolling open land.

14.00 Fence, bears N. 80° W. and S. 80° E.

20.22 Fence, bears N. and S.

20.24 To Cor. No. 11, on W. side of exception for logging railway.

Deposit a malpais stone 2 x 4 x 4 ins. mkd. with a +, 19 ins. in the ground, over which set a malpais stone 10 x 10 x 26 ins. chiseled + for the point and 11 H E S 546 on SW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor.

No witnesses available. Pits impracticable.

Cor. No. 4, heretofore described, bears East, 2.00 chs. dist.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence S. 5° 00' W.	
	Along W. side of exception for logging railway.	Desc.
	15 ft. to cor. over gently rolling open land.	
17.50	Fence, bears N. 10° E. and S. 10° W.	
32.06	To Cor. No. 12.	
	Deposit a malpais stone 3 x 3 x 6 ins. mkd. with a +, 16 ins. in the ground, over which set a malpais stone 6 x 12 x 22 ins., (no longer stone available), chiseled a + on top and 12 H E S. 546 on West face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, West of cor.	
	No witnesses available. Pits impracticable.	
<hr/>		
	Thence S. 47° 00' W.	
	Along west side of exception for logging railway,	
	over level open land.	
.50	Fence, bears N. and S.	
3.75	Fence, N. 70° W. and S. 70° E.	
4.50	Williams-Flagstaff Highway, bears N. 70° W. and S. 70° E.	
9.50	Center new grade of Saginaw and Manistee Lumber Company logging railway, brs. E. and W.	
11.75	Center of Saginaw and Manistee Lumber Company logging railway, brs. N. 80° E. and S. 80° W.	
12.04	To Cor. No. 8, and place of beginning.	

AREAS

Tract A	31.23 Acres.
Tract B	70.26 Acres.
Total Area,	101.49 Acres.
Tract C, (Unlisted Area in Exception)	8.76 Acres.

Chains

IMPROVEMENTS

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

A frame house 12 x 24 ft., the long side extending E. and W., the NW. cor. of which bears S. 49° 15' W., 218 lks. from Cor. No. 12.

Value - - - - - \$ 400.00

A frame blacksmith shop, 12 x 28 ft., the long side extending E. and W., the NE. cor. of which bears N. 65° 30' W., 48 lks. dist. from Cor. No. 12,

Value - - - - - \$ 350.00

A frame barn, 30 x 30 ft., the sides extending in cardinal directions, the NE. cor. of which bears S. 29° 40' W., from cor. No. 3, 170 lks. dist.

Value - - - - - \$ 600.00

A frame tool house, 16 x 40 ft., the long side extending N. and S., the NW. cor. of which bears S. 14° 45' W., 151 lks. dist. from Cor. No. 3,

Value - - - - - \$ 300.00

A frame store building, 16 x 20 ft., the long side extending N. and S., the NE. cor. of which bears S. 1° 30' W., 462 lks. dist. from Cor. No. 3,

Value - - - - - \$ 400.00

About 2-1/2 miles of wire fencing,

Value - - - - - \$ 400.00

2

1

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

DESCRIPTION

The claim is located in open gently rolling park, the soil is a rich sandy loam of volcanic formation and for the most part suitable for agriculture, good crops of oats, barley and potatoes being raised in the vicinity.

There is no permanent water on the claim for irrigation though water in abundance can be had at a comparatively shallow depth on part of it.

Approximately 15 acres were in cultivation at the time of the survey.

Water for domestic use is obtained from the Santa Fe Railway.

There is no timber of commercial value on the claim.

There are no indications of mineral on or near the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. The survey is joined on the West by legal subdivisional portion of claimant's entry No. 027505 embracing the SE/4 NW/4 SW/4 and NE/4 SW/4 SW/4, and on the north by legal subdivisional portion of claimant's entry No. 027505, embracing the E/2 SE/4 NW/4 and the SE/4 NE/4 NW/4.

Belmont, Arizona, post office and trading point, is about 200 yards from claimant's house.

TRACT A

TRAVERSES

Course	Dist.	N.	S.	E.	W.
West	8.78				8.78
N. 47° 00' E.	10.68	7.28		7.81	
N. 5° 00' E.	32.94	32.81		2.87	
East	7.65			7.65	
S. 0° 41' E.	30.07		30.07	.36	
West	10.01				10.01
S. 0° 35' E.	10.02		10.02	.10	
	110.15	40.09	40.09	18.79	18.79

Closing Error, None.

TUSAYAN NATIONAL FOREST

STATE OF ARIZONA

Chains

TRACT B

Course	Dist.	N.	S.	E.	W.
West	8.34				8.34
N. 0° 25' W.	40.11 ✓	40.11			.29
East	20.24 ✓			20.24	
S. 5° 00' W.	32.06 ✓		31.94		2.79
S. 47° 00' W.	12.04 ✓		8.21		8.81
	112.79 ✓	40.11	40.15	20.24	20.23
			<u>40.11</u>	<u>20.23</u>	
Error in Lat. and Dep.			.04	.01	

Closing Error, 1:2736

Survey completed April 24, 1919.

Arthur L. ...

Surveyor - Draftsman,

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.

S-2149

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 546, STATE OF ARIZONA - TUSAYAN

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
TRACT A												
1 - 2	West	8.78				8 78		8 78				
2 - 3	N. 47-00 E.	10.68	7 28		7 81		7 81		56 86			x
3 - 4	N. 5-00 E.	32.94	32 81		2 87		18 49		606 64			x
4 - 5	East	7.65			7 65		29 01					
5 - 6	S. 0-41 E.	30.07		30 07	36		37 02				1113 19	
6 - 7	West	10.01				10 01		27 37				
7 - 1	S. 0-35 E.	10.02		10 02	10		17 46				174 95	
		110.15	40 09	40 09	18 79	18 79			663 50		1288 14	
											663 50	
											20/624 64	
	Closing Error, None.											
TRACT B												
8 - 9	West	8.34				8 34		8 94				
9 - 10	N. 0-25 W.	40.11	40 11			29		30		12 04		
10 - 11	East	20.24			20 24		20 24					
11 - 12	S. 5-00 W.	32.06		31 92		2 79		37 69			1203 06	
12 - 8	S. 47-00 W.	12.04		8 21		8 81		26 09			214 20	
		112.79	40 11	40 15	20 24	20 23			12 04		1417 26	
			40 13	40 13	20 23	20 23					12 04	
				40 11	20 23	20 23					12 04	
	Error in Lat. and Dep.											
				04	01						20/1405 22	
	Closing Error, 1:2736.											
											70 26 Acres.	

- 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.

8-2340 546
 TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. _____, STATE OF ARIZONA - TUSAYAN

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
	TRACT C											
2 - 8	West	2.93				2 93	2 93					
8 - 12	N. 47-00 E.	12.04	8 21		8 81		8 81		72 33			
12 - 11	N. 5-00 E.	32.06	31 94		2 79		20 41		651 28			
11 - 4	East	2.00			2 00		25 20					
4 - 3	S. 5-00 W.	32.94		32 84		2 87	24 34				799 33	
3 - 2	S. 47-00 W.	10.68		7 28		7 81	13 67				99 52	
		92.65	40 15	40 09	13 60	13 61			723 61		898 85	
			40 09	40 12	13 60	13 60					723 61	
	Error in Lat. and Dep.		06			01					20/175 24	
	Closing Error, 1:1523										8 76	Acres. <i>ET</i>

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 18, 1920

The foregoing field notes of Homestead Entry Survey No.

546

executed by *A. H. Hendrix, Surveyor-Draftsman* [Forest Service Title.]
under his special instructions, dated *February 15, 1918*, 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.

FRANK P. TROTT

U. S. Surveyor General.