U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 546

SITUATED IN THE SITGREVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 35, unsurveyed, Township 12 N., Range 17 E.

of the
GILA AND SALT RIVER BASE & Meridian.
State of
ARIZONA

Applicant for listing
L. E. Turley

Residence
Heber, Arizona

Application No. 633, dated December 20, 1916

List No. 3-3966, dated February 16, 1917

Applicant for survey
Lowell Earl Turley

Residence
Heber, Arizona

H. R. No. 635923, dated August 3, 1917

Land Office, Phoenix, Arizona

Survey executed by Frank D. Yost, Surveyor - Forest Service.

Under special instructions dated February 15, 1918.

Survey commenced
July 13, 1919

Survey completed
July 15, 1919

OATH OF ASSISTANTS

We hereby certify that we assisted

Surveyor - Forest Service,
[Forest Service Title]

parts or portions of Homestead Entry Survey No. 548, 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 established, according to the instructions furnished by the United States Surveyor General for ARIZONA.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

[Signatures]
Chairman

[Signatures]
Chairman

Subscribed and sworn to before me this Sixth day of August, 1919.

[Signature]
Surveyor - Forest Service,

OATH OF SURVEYOR

I, Frank D. Yost, Surveyor - Forest Service, [Forest Service Title], do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated February 15, 1918, 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. 5-3968, dated February 16, 1917, and a tract of unlisted land upon the application of L. B. Turley;

Application No. 633, dated December 20, 1916, for

Listing and Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 548, situated within the STOOBRAVES National Forest, in

unsurveyed Section 35, Township 12 N., Range 17 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.

[Signature]
Surveyor - Forest Service,
[Forest Service Title]

Subscribed and sworn to before me this Fifth day of November, 1919.

[Signature]
Notary Public.

My commission expires March 17, 1921.
Applicant for listing, L. B. Turley; Application No. 633, dated December 20, 1916; List No. 3-3968, dated February 16, 1917; A. R. 035923 made in the Phoenix Land Office on August 3, 1917, by Lowell Barr Turley. Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry. This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 548.

Situated in what will probably be when surveyed Sec. 36, T. 12 N., R. 17 E., Gila and Salt River Base and Meridian, Sitgreaves National Forest, Arizona.

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

Survey commenced July 13, 1919, and executed with a Buff and Buff transit No. 10019, equipped with Smith solar attachment.

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

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

All courses of this survey were deflected from the meridian established by me at Cor. No. 5 of H.E.S. 549 by direct solar observation on July 12, 1919, in connection with the survey of H.E.S. 549.
HOUSMAN ENTRY SURVEY NO. 546
SITGREAVES NATIONAL FOREST
STATE OF ARIZONA

Chains

RETRACED

July 14, 1919.

From the Cor. of Ts. 11 and 12 W., Rs. 17 and 18 E., a sandstone 8 x 4 x 9 ins. above ground, marked with 6 notches on N., S., E., and W. edges, with mound of stone 3 ft. base, 2 ft. high, N. of cor., whence from cor.:

A yellow pine 12 ins. dia., brs. N. 32° 15' E.,
67 lbs. dist., blazed and scribed
T 12 N R 18 E S 31 B T

A yellow pine 8 ins. dia., brs. S. 58° 30' E.,
28 lbs. dist., blazed and scribed
T. 11 N R 18 E S 36 B T

A yellow pine 8 ins. dia., brs. S. 86° W.,
37 lbs. dist., blazed and scribed
T 11 N R 17 E S 1 B T

A yellow pine 22 ins. dia., brs. N. 50° W.,
84 lbs. dist., blazed and scribed
T 12 N R 17 E S 36 B T

(Note: This cor. was restored by Forest Service Surveyor R.E.A. Johnson on August 3, 1916, in connection with the survey of H. E. S. 452.)

Thence North,

Retracing line bet. Secs. 31 and 35, S/2.

40.04 Fall 23 lbs. B. of 1/4 Sec. or. bet. Secs. 31 and 35., a porphyry stone 12 x 4 x 7 ins. above ground, mkd. 1/4 on W. face, with mound of stone West of cor. , witnessed as described by the Surveyor General.

True line is N. 0° 20' W., 40.04 chs.

Thence North,

Retracing line bet. Secs. 31 and 35, N/2.
Chains 41.21 Fall 73 lbs. E. of cor. of Secs. 25, 30, 31 and 36, a sandstone 8 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

True line is N. 1° 01' W., 41.22 chs.

July 14, 1919.

BOUNDARIES OF CLAIM

July 18, 1919.

Beginning at Cor. No. 1, which is also Cor. No. 5 of H. E. S. 549.

Identical with Cor. H-1 of List 3-3963 and Cor. H-4 of List 3-4023, which is a cobble rock 10 x 7 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a sandstone 5 x 4 x 2 ins. marked with a * 18 ins. in the ground, on solid rock, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap marked 1919 on S. rim, 1 H E S 549 in SW. quadrant, and 3 H E S 549 in East half, surrounded by a mound of stone 2-1/2 ft. base, 18 ins. high, whence:

A cedar 12 ins. dia., brs. N. 7° 47' E., 575 lks. dist.

A cedar 14 ins. dia., brs. N. 20° 10' W., 442 lks. dist.

Each blazed and scribed 1 H E S 548 - 4 H E S 549 + 3 T

The 1/4 cor. bet. Secs. 31 and 36, T. 12 N., Rs. 17 and 18 E., hereof before described, brs. S. 81° 16' 40" E., 101.85 chs. dist. by traverse which appears at the end of these notes.

Lat. 34° 23' 53" N., Long. 110° 32' 12" W., from special instructions of Surveyor General and later verified.
Chains

Magnetic declination at 8 a.m. is 14° 30' E. Mean
Magnetic declination, 14° 26' E.

Thence S. 12° 05' W.

Along line 3-2 of H. E. S. 549, over level bottom land.

12.37 Cor. wire fence, fence bears Nw., N. 12° 05' E. and
S. 12° 05' W. along line. Cultivated land on West.

49.82 Cor. H-5 of the list survey, which is a cobble rock 10 x
8 x 6 ins. above ground, marked and witnessed as de-
scribed by the Forest Service. I destroy all trace of
this list cor. Cor. of wire fence; fence brs. Nw.,
N. 12° 05' E. and S. 12° 05' W. along line. Leave
cultivated land on West.

54.23 To Cor. No. 2, which is also Cor. No. 2 of H. E. S. 549.
Identical with Cor. H-5 of List 5-4023, which is a
coible rock 6 x 5 x 4 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor.

Deposit a sandstone 4 x 3 x 2 ins. marked with a + 24
ins. in the ground, over which set an iron post 35 ins.
long, 2 ins. dia., with brass cap marked 1919 on S. rim
2 H E S 549 in NW. quadrant and 2 H E S 549 in NE.
quadrant; raise mounds of stone 3 ft. base, 2 ft. high,
Nw. and NE. of cor., whence:

A juniper 7 ins. dia., brs. N. 87° 09' E.,
90 lks. dist.

A juniper 12 ins. dia., brs. S. 4° 01' W.,
77 lks. dist.

Each blazed and scribed 2 H E S 548 - 2 H E S
549 + BT

Cor. No. 4 of H. E. S. 452, a sandstone 16 x 8 x
10 ins. above ground, marked + on top and
4 H E S 452 on SE. face, with mound of stone
<table>
<thead>
<tr>
<th>Chains</th>
<th>SB., brs. S. 85° 07' 35&quot; E., 26.84 chs. dist. by traverse, which appears at the end of these notes.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>July 15, 1919.</strong></td>
<td><strong>July 15, 1919.</strong></td>
</tr>
<tr>
<td>Thence N. 51° 04' W.</td>
<td>Thence N. 51° 04' W.</td>
</tr>
<tr>
<td>Ascend 10 ft., over grassy NE. slope, thru juniper, cedar and oak, over unlisted land.</td>
<td>Ascend 10 ft., over grassy NE. slope, thru juniper, cedar and oak, over unlisted land.</td>
</tr>
<tr>
<td>40.99</td>
<td>To Cor. No. 5.</td>
</tr>
<tr>
<td>Deposit a sandstone 3 x 2 x 2 ins. marked with a + 26 ins. in the ground, over which set an iron post 26 ins. long, 2 ins. dia., marked 1919 on S. rim and 3 H B S 546 in portion of circle facing claim; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:</td>
<td>Deposit a sandstone 3 x 2 x 2 ins. marked with a + 26 ins. in the ground, over which set an iron post 26 ins. long, 2 ins. dia., marked 1919 on S. rim and 3 H B S 546 in portion of circle facing claim; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:</td>
</tr>
<tr>
<td>A cedar 8 ins. dia., brs. N. 70° 10' E., 202 lks. dist.</td>
<td>A cedar 8 ins. dia., brs. N. 70° 10' E., 202 lks. dist.</td>
</tr>
<tr>
<td>Each blazed and scribed S H E S 546 + B T Cor. H-4 of the list survey, which is a cobble rock 3 x 5 x 2 ins. above ground, marked and witnessed as described by the Forest Service, brs. N. 77° 41' E., 14.07 chs. dist. I destroy all trace of this list cor.</td>
<td>Each blazed and scribed S H E S 546 + B T Cor. H-4 of the list survey, which is a cobble rock 3 x 5 x 2 ins. above ground, marked and witnessed as described by the Forest Service, brs. N. 77° 41' E., 14.07 chs. dist. I destroy all trace of this list cor.</td>
</tr>
<tr>
<td>Thence N. 0° 49' W.</td>
<td>Thence N. 0° 49' W.</td>
</tr>
<tr>
<td>Over level grassy land, 3.02 Cor. H-3 of the list survey, which is a cobble rock 9 x 6 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave unlisted and enter listed land. Cor. wire fence brs. East, 7 lks. dist., fences bear</td>
<td>Over level grassy land, 3.02 Cor. H-3 of the list survey, which is a cobble rock 9 x 6 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave unlisted and enter listed land. Cor. wire fence brs. East, 7 lks. dist., fences bear</td>
</tr>
</tbody>
</table>
Chains  
27.08
East and North.
To Cor. No. 4.
Identical with Cor. H-2 of the list survey, which is a cobbles rock 8 x 7 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.
Deposit a sandstone 4 x 2 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., marked 1919 on S. rim and 4 N E S 548 in SE. quadrant; raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., where:
A cedar 14 ins. dia., bre. S. 89° 02' E., 822 lks. dist.
A pine 20 ins. dia., bre. N. 31° 15' E., 1336 lks. dist.
Each blazed and scribed 4 N E S 548 + B T
Corner of wire fence bears S. 35° 07' E., 68 lks. dist., from which fences bear
South and East.

Then to N. 89° 47' E.
Over level grassy land, thru juniper, cedar and oak.
43.59
To Cor. No. 1, the place of beginning.

AREA
Listed Area, ---- ---- ---- ---- ---- 128.57 Acres.
Unlisted Area, ------- ------- ------- 29.32 Acres.
Total Area, ------- ------- ------- 158.19 Acres.

IMPROVEMENTS
The improvements made upon and for the benefit of this claim and belonging to the claimant herein, consist of the following:
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>A frame house 16 x 16 ft., the long sides extending N. and S., the NE. cor. of which bears S. 31° 30' W., 11.91 chs. dist. from Cor. No. 1.</td>
</tr>
<tr>
<td>Value: $200.00</td>
</tr>
<tr>
<td>A frame barn 20 x 30 ft., the long sides extending N. 20° E. and S. 20° W., the E. cor. of which bears S. 14° 30' W., 9.17 chs. dist. from Cor. No. 1.</td>
</tr>
<tr>
<td>Value: $150.00</td>
</tr>
<tr>
<td>Approximately 1-3/4 miles of wire fencing,</td>
</tr>
<tr>
<td>Value: $250.00</td>
</tr>
<tr>
<td>An earth dam 6 ft. wide, 3 ft. high, 80 ft. long, extending in a semicircle from SE. to NW., the SE. end of which bears S. 12° 36' W., 12.40 chs. from Cor. No. 1.</td>
</tr>
<tr>
<td>Value: $50.00</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

The claim consists mainly of open level land, lying on the West side of a wide shallow draw, which drains North.

The soil is a rich dark loam, generally free from rocks, about 3 ft. deep with a red clay subsoil. Approximately 80 percent of the claim is suitable for agricultural purposes, of which about 60 acres were under cultivation at the time of survey. Dry farming methods are necessary to grow crops. The claimant has endeavored to conserve the surface water in an earth dam for stock watering purposes, but is unable to store enough for the whole year.

Water for domestic use is hauled from Pierce Seeps, which lie about one mile to the West.
CHAINS
There is no timber of commercial value on the claim. I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS
There are no conflicts. H.E.S. 549 adjoins on the East; line 2-3 thereof being identical with line 1-2 of this survey.

H.E.S. No. 452 lies about 1/4 mile distant in a South-easterly direction, and H.E.S. No. 550 lies about 1/4 mile distant in a Westerly direction.

Heber, Arizona, the nearest settlement and postoffice, lies about six miles distant in a North-westerly direction.

Holbrook, Arizona, the nearest railroad point lies about 50 miles distant in a North-easterly direction and is reached by fair wagon road.

TRAVERSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. 15° 05' E.</td>
<td>54.25</td>
<td>53.08</td>
<td></td>
<td>11.55</td>
<td>31.69</td>
</tr>
<tr>
<td>N. 51° 04' W.</td>
<td>40.99</td>
<td>25.76</td>
<td>27.08</td>
<td></td>
<td>.32</td>
</tr>
<tr>
<td>N. 0° 42' W.</td>
<td>27.08</td>
<td>.16</td>
<td></td>
<td>43.59</td>
<td>33.99</td>
</tr>
<tr>
<td>N. 69° 47' E.</td>
<td>43.59</td>
<td>53.08</td>
<td>43.99</td>
<td>43.97</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. .02

Closing Error, 1.4601

TIE FROM COR. NO. 1 TO THE 1/4 COR. BET. SECS. 31 AND 36, T. 12 N., Rs. 17 and 18 E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. 15° 21' E.</td>
<td>10.67</td>
<td>4.72</td>
<td></td>
<td>1.04</td>
<td></td>
</tr>
<tr>
<td>N. 59° 05' E.</td>
<td>20.72</td>
<td>.32</td>
<td></td>
<td>20.72</td>
<td>42.15</td>
</tr>
<tr>
<td>N. 59° 05' W.</td>
<td>20.73</td>
<td>42.17</td>
<td>4.27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 69° 47' W.</td>
<td>9.78</td>
<td>3.66</td>
<td>5.36</td>
<td>14.02</td>
<td></td>
</tr>
<tr>
<td>S. 69° 05' E.</td>
<td>15.01</td>
<td>1.88</td>
<td>1.88</td>
<td>11.22</td>
<td>6.20</td>
</tr>
<tr>
<td>S. 60° 42' E.</td>
<td>11.87</td>
<td>2.82</td>
<td>3.92</td>
<td>42.17</td>
<td>.73</td>
</tr>
<tr>
<td>S. 1° 01' E.</td>
<td>41.22</td>
<td>42.17</td>
<td>41.22</td>
<td>42.17</td>
<td>4.28</td>
</tr>
</tbody>
</table>

Resultant course, S. 61° 16' 40" E., 101.96 chs.
<table>
<thead>
<tr>
<th>Chains</th>
<th>TIE FROM COR. NO. 2 TO COR. NO. 4 OF H. E. S. NO. 452.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
<td>Dist.</td>
</tr>
<tr>
<td></td>
<td>2.37</td>
</tr>
<tr>
<td></td>
<td>2.27</td>
</tr>
<tr>
<td></td>
<td>0.09</td>
</tr>
</tbody>
</table>

Resultant course S. 85°07'25" E.  
26.84 chs.

Survey completed July 15, 1919.

Surveyor - Forest Service,
TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 546, STATE OF ARIZONA

<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
<td></td>
</tr>
<tr>
<td>S. 12-05 W.</td>
<td>49.82</td>
<td>49.72</td>
<td>76.72</td>
<td>76.72</td>
<td>3737 03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 37-56 W.</td>
<td>31.00</td>
<td>24.63</td>
<td>19.05</td>
<td>19.05</td>
<td>1155 00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 89-55 W.</td>
<td>13.79</td>
<td>24.06</td>
<td>13.79</td>
<td>13.79</td>
<td>29</td>
<td>6.98</td>
<td></td>
</tr>
<tr>
<td>N. 0-42 W.</td>
<td>24.06</td>
<td>43.59</td>
<td>43.59</td>
<td>43.59</td>
<td>1169 68</td>
<td>3737 03</td>
<td></td>
</tr>
<tr>
<td>N. 89-47 E.</td>
<td>43.59</td>
<td>48.69</td>
<td>48.69</td>
<td>43.59</td>
<td>1169 68</td>
<td>3737 03</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. 32.37 03

20/2567 35 Acres
TABLEING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 548, STATE OF ARIZONA

<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 2</td>
<td>S. 12-05 E.</td>
<td>54.23</td>
<td>N. 53 02</td>
<td>E. 11 35</td>
<td>D.</td>
<td>75 80</td>
<td>4018 92</td>
</tr>
<tr>
<td>2 - 3</td>
<td>N. 51-04 W.</td>
<td>40.99</td>
<td>N. 25 76</td>
<td>E. 51 89</td>
<td>32 55</td>
<td>638 81</td>
<td></td>
</tr>
<tr>
<td>3 - 4</td>
<td>N. 0-42 W.</td>
<td>27.08</td>
<td>N. 27 06</td>
<td>E. 33</td>
<td>33</td>
<td>8 94</td>
<td></td>
</tr>
<tr>
<td>4 - 1</td>
<td>N. 89-47 E.</td>
<td>43.59</td>
<td>N. 16</td>
<td>E. 43 59</td>
<td>43 58</td>
<td>7 41</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. 03 02
Closing Error, 1:4601

 acres
July 15, 1919.

I, Lowell Barr Turley, hereby agree to the survey of my homestead, number 548, as made on 15th day of July, 1919, by Forest Service Surveyor Frank D. Yost, 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 ______

____ addition on the South and West of Agricultural ______

____ land, desired by me ______

____

____

(Sgd.) L.B. Turley,

Claimant.
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, April 26, 1918

The foregoing field notes of Homestead Entry Survey No. 548

executed by Frank D. York, Surveyor [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.

[Signature]
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.