U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 547

SITUATED IN THE
SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 10, unsurveyed, Township 12 N., Range 16 E.
In Section 11, unsurveyed, Township 12 N., Range 16 E.

of the

GILA AND SALT RIVER BASE & Meridian.
State of

ARIZONA

Applicant for listing
Arthur A. Sullivan.

Residence
Heber, Arizona.

Application No. 582, dated July 16, 1915
List No. 3-3764, dated April 3, 1916

Applicant for survey
John Bowler.

Residence
Heber, Arizona.

H. E. No. 639779, dated June 16, 1918
Land Office, Phoenix, Arizona.

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

Under special instructions dated February 14, 1918
Survey commenced July 10, 1919
Survey completed July 10, 1919.

Under Acts of June 11, 1906, and July 24, 1919, covers
OATH OF ASSISTANTS

We hereby certify that we assisted
Surveyor - Forest Service,
Frank D. Yost,
in surveying all those
parts or portions of Homestead Entry Survey No. 547, 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
Chairman

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

[Signature]
Survitor - Forest Service,

OATH OF SURVEYOR

I, Frank D. Yost, Surveyor - Forest Service,
do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated February 14, 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 3-3764, dated April 3, 1916, and a tract of unlisted land upon the application of Arthur A. Sullivan.

Application, No. 502, dated July 16, 1915, for listing and patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 547, National Forest, in the same Township Section 10, Township 12 N., Range 16 E., and Section 11, Township 12 N., Range 16 E., of the CILA 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]
Survitor - Forest Service,

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

[Signature]
Notary Public.

My commission expires March 17, 1921.
Chains

Applicant for listing, Arthur A. Sullivan; Application No. 582, dated July 16, 1915; List No. 8-3784; dated April 3, 1916; H. E. 039779 made in the Phoenix Land Office on June 6, 1918, by John Bowler.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entrymen 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 14, 1918, and designated as Homestead Entry Survey No. 547.

Situated in what will probably be when surveyed, Secs. 10 and 11, T. 12 N., R. 16 E.; Gila and Salt Rivers Base and Meridian, Sitgreaves National Forest, Arizona.

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

Survey commenced July 10, 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.

July 10, 1919

At Cor. No. 1, of this survey, hereinafter described, I observe the altitude of the sun for azimuth. The reading on the reference mark was set at zero and the sun was observed in all four quadrants of the field.
Chains

My watch was set for local mean time.

'Lat. 34° 28' 00" N., 'Long. 110° 37' 46" W., from Special Instructions from the Surveyor General and later verified.

Telescope Pos. l.m.t. Horizontal Vertical Angle
sun a.m. Angle

Direct 8h 23m 10s 72° 46' 30" 41° 15' 30"
Reversed 8h 30m 15s 72° 21' 00" 41° 09' 30"
Direct 8h 28m 45s 72° 09' 30" 41° 22' 30"
Reversed 8h 29m 30s 72° 58' 00" 41° 02' 00"

The bearing of the reference object is N. 15° 46' 27" E.

At the same station I again observe the altitude of the sun for azimuth. The reading on the reference mark was set at zero and the sun was observed in all four quadrants of the field.

Telescope Pos. l.m.t. Horizontal Vertical Angle
sun a.m. Angle

Direct 8h 32m 50s 73° 25' 00" 42° 12' 30"
Reversed 8h 34m 50s 72° 59' 30" 42° 06' 30"
Direct 8h 33m 25s 72° 49' 00" 42° 21' 30"
Reversed 8h 34m 20s 73° 36' 00" 42° 01' 30"

The bearing of the reference mark is N. 15° 47' 06" E.

The two observations give a mean bearing of the reference mark of N. 15° 46' 52" E. I accept bearing of reference mark as N. 15° 47' E., and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

BOUNDARIES OF CLAIM

July 10, 1919.

Beginning at Cor. No. 1,

Identical with Cor. H-1 of the list survey, which is a limestone 4 x 3 x 3 ins. on top of embedded limestone
chains

boulder 5 x 3 x 3 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. I chisel + for the point, and 1 H E S 547 on the flat top of the embedded limestone boulder showing 5 x 3 x 3 ft. above ground for cor. No. 1 of this survey, and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor., whence:

A pine 14 ins. dia., brs. S. 40° 49' W., 45 lks. dist., blazed and scribed + 1 H E S 547 B R chiseled on the vertical West face of a limestone outcrop 8 ft. high, 350 ft. long, extending N. and S., bears N. 84° 28' E., 34 lks. dist.

Cor. of wire fence, bears S. 79° 35' W., 27 lks. dist., from which fences bear SW. and SSW.

The corner of Secs. 2, 3, 10 and 11, T. 12 N., R. 16 E., survey awaiting approval, an iron post 2 ins. dia., 19 ins. above ground, mkd. and witnessed as described by the Surveyor General, brs. N. 86° 45' 27" W., 15.74 chs. dist. by traverse which appears at the end of these notes.

The Std. cor. of T. 13 N., R. 15 and 17 E., an iron post 3 ins. dia., 12 ins. above ground, with brass cap mkd. and witnessed as described by the Surveyor General, brs. N. 71° 57' E., 111.06 chs. dist. by direct measurement.

Lat. 34° 23' 00" N., Long. 110° 37' 46" W., from Special Instructions from the Surveyor General and later verified.

Magnetic declination at 8 a.m. 14° 30' E., Mean Magnetic declination, 14° 26' E.
<table>
<thead>
<tr>
<th>Chains</th>
<th>Thence S. 0° 33' E.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Over level, grassy bottom land,</td>
</tr>
<tr>
<td></td>
<td>Wire fence and cultivated land to right.</td>
</tr>
<tr>
<td>28.00</td>
<td>To Cor. No. 2.</td>
</tr>
<tr>
<td></td>
<td>Identical with Cor. H-2 of the list survey, which is</td>
</tr>
<tr>
<td></td>
<td>a limestone 20 x 18 x 8 ins. above ground, marked and</td>
</tr>
<tr>
<td></td>
<td>witnessed as described by the Forest Service. I de-</td>
</tr>
<tr>
<td></td>
<td>stroy all trace of this list cor.</td>
</tr>
<tr>
<td></td>
<td>Deposit a limestone 4 x 3 x 2 ins. marked with a + 20</td>
</tr>
<tr>
<td></td>
<td>ins. in the ground, over which set a limestone 30 x 14</td>
</tr>
<tr>
<td></td>
<td>x 10 ins. chiseled + for the point and 2 H B S 547 on</td>
</tr>
<tr>
<td></td>
<td>NW. face; raise a mound of stone 3 ft. base, 2 ft. high,</td>
</tr>
<tr>
<td></td>
<td>NW. of cor., whence:</td>
</tr>
<tr>
<td></td>
<td>A pinon 18 ins. dia., brs. N. 56° 10' W.,</td>
</tr>
<tr>
<td></td>
<td>43 lbs. dist.</td>
</tr>
<tr>
<td></td>
<td>A pinon 10 ins. dia., brs. S. 21° 39' W.,</td>
</tr>
<tr>
<td></td>
<td>32 lbs. dist.</td>
</tr>
<tr>
<td></td>
<td>Each blazed and scribed 2 H B S 547 + B T</td>
</tr>
</tbody>
</table>

|        | Thence S. 51° 52' W. |
|        | Ascend, 30 ft. over steep rocky east slope, thru dense |
|        | scrub oak, over unlisted land. |
| 4.01   | Top of ascent, on small spur, bears North. Desc. 50 ft. |
|        | over steep rocky west slope, thru dense scrub oak. |
| 8.21   | Bottom of desc. Thence over gently rolling land, thru |
|        | scattering pine. |
| 39.78  | To Cor. No. 3. |
|        | 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 mld. |
|        | 1919 on S. rim and 3 H B S 547 in portion of circle |
|        | facing claim, surrounded by a mound of stone 3 ft. |
|        | base, 18 ins. high, and raise a mound of stone 3 ft. |
Chains

Base, 2 ft. high, N. of cor., whence:

A pine 10 ins. dia., brs. S. 40° 07' W.,
7 lks. dist.

A pine 8 ins. dia., brs. S. 50° 21' E.,
16 lks. dist.

Each blazed and scribed 5 H E S 547 + B E

Thence N. 39° 25' W.

Over gently rolling land, thru pine and pinon.

17.82

To Cor. No. 4.

Identical with Cor. H-3 of the list survey, which is a sandstone 14 x 7 x 5 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 4 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 12 x 5 ins. chiseled + for the point and 4 H E S 547 on NE. face; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:

A pinon 12 ins. dia., brs. S. 80° 56' E.,
-51 lks. dist.

A pinon 9 ins. dia., brs. S. 84° 01' W.,
42 lks. dist.

Each blazed and scribed 4 H E S 547 + B E

Leave unlisted and enter listed land.

Thence N. 0° 17' W.

Over gently rolling land, thru pine, pinon and cedar.

28.46

To Cor. No. 5.

Identical with Cor. H-4 of the list survey, which is a sandstone 12 x 10 x 8 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 3 x 2 ins. marked with a + 16 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, and 5 H E S 547 in portion of circle facing claim, surrounded by a mound of stone 3 ft. base, 18 ins. high, and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:

- A pine 24 ins. dia., brs. S. 30° 30' W.,
  39 lks. dist.

- A pine 14 ins. dia., brs. N. 54° 27' W.,
  45 lks. dist.

Each blazed and scribed 5 H E S 547 + B T

Thence N. 76° 10' E.

Along steep rocky S. slope, thru heavy scrub oak.

43.73

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

AREA

Listed Area. - - - - - - - - - - - - - - - - - 180.83 Acres.

Unlisted Area. - - - - - - - - - - - - - - - - - 35.45 Acres

Total Area. - - - - - - - - - - - - - - - - - 155.86 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of this claim and belonging to the claimant herein consist of the following:

A new log house, 24 x 40. ft., the long sides extending N. and S., the NW. cor. of which brs. S. 14° 01' E., 10.30 ins. dist. from cor. No. 5.

Value: - - - - - - - - - - - - - - - - - $400.00

A log house 18 x 24 ft., the long sides extending N. and S., the SW. cor. of which bears
CHASESVILLE NATIONAL FOREST
STATE OF ARIZONA

Chains
N. 72° 15' E., 16.69 chs. dist. from Cor. No. 4.
Value - - - - - - - - - - - $200.00
A pole barn 12 x 14 ft., the long sides extending N. and S., the SW. cor. of which brs.
N. 58° 47' E., 16.31 chs. dist. from Cor. No. 4.
Value - - - - - - - - - - - $75.00
Approximately 1-1/2 miles of wire fencing,
Value - - - - - - - - - - - $200.00

DESCRIPTION
The claim consists mainly of open bottom land at the junction of several small shallow draws. The general slope is to the North.
The soil is a black sandy loam of good depth and very fertile. Dry farming methods must be resorted to in order to grow crops. There is no water on the claim and the prospects of developing water are very meager.
Water for domestic use is hauled from Heber, about 2-1/2 miles distant.
Approximately 90 percent of the area is suitable for agricultural purposes, of which 80 acres were under cultivation at the time of survey.
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 or adjoining claims.
Heber, Arizona, the nearest settlement and postoffice, lies about 2-1/2 miles distant in a southeasterly direction.
Holbrook, the nearest railway point lies about 60 miles
Chains distant in a Northeasternly direction.

**TRAVERSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Distance N.</th>
<th>Distance S.</th>
<th>Distance E.</th>
<th>Distance W.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. 0° 33' E.</td>
<td>28.00</td>
<td>28.00</td>
<td>.27</td>
<td></td>
</tr>
<tr>
<td>S. 51° 52' W.</td>
<td>39.73</td>
<td>24.56</td>
<td></td>
<td>31.22</td>
</tr>
<tr>
<td>N. 59° 25' W.</td>
<td>17.88</td>
<td>13.77</td>
<td></td>
<td>11.31</td>
</tr>
<tr>
<td>N. 0° 17' W.</td>
<td>23.45</td>
<td>23.45</td>
<td></td>
<td>1.14</td>
</tr>
<tr>
<td>N. 75° 10' E.</td>
<td>42.73</td>
<td>10.46</td>
<td></td>
<td>42.46</td>
</tr>
</tbody>
</table>

**Error in Lat. and Dep.** .10

**Closing Error, 1:1570**

**TIME LINE FROM COR. NO. 1, T.12 N., R. 16 E.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist. N.</th>
<th>Dist. S.</th>
<th>Dist. E.</th>
<th>Dist. W.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. 52° 27' W.</td>
<td>35.95</td>
<td>21.92</td>
<td>28.51</td>
<td></td>
</tr>
<tr>
<td>N. 12° 52' E.</td>
<td>6.64</td>
<td>8.43</td>
<td>1.88</td>
<td></td>
</tr>
<tr>
<td>N. 1° 16' W.</td>
<td>17.23</td>
<td>17.23</td>
<td></td>
<td>.39</td>
</tr>
<tr>
<td>S. 87° 50' E.</td>
<td>6.95</td>
<td></td>
<td>.25</td>
<td>6.96</td>
</tr>
<tr>
<td>S. 55° 32' E.</td>
<td>3.21</td>
<td>1.77</td>
<td>2.55</td>
<td></td>
</tr>
<tr>
<td>S. 53° 52' E.</td>
<td>1.63</td>
<td></td>
<td>.82</td>
<td>1.57</td>
</tr>
</tbody>
</table>

Resultant Course, N. 56° 46' 24" W., 15.71 chs.

Survey completed July 10, 1919.

The changes made in this survey are in accordance with the desires of the entryman and meet with the approval of the Forest Service.

Copy of a signed statement from the entryman agreeing to the changes made and also agreeing to amend his entry to conform to this survey is attached at the end of these notes.

[Signature]

Surveyor - Forest Service
Homestead Entry Survey No. 547

Singeaves National Forest

State of Arizona

Chains
Direct solar obs. at Cor. No. 1, of H. E. S. No. 547
Lat. 34° 28' N., Long. 110° 37' 46" W., from Special
Instructions from the Surveyor General and later
verified.

<table>
<thead>
<tr>
<th>Telescope Pos.</th>
<th>1.m.t.</th>
<th>Horizontal Angle</th>
<th>Vertical Angle</th>
<th>l.m.t.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>9°</td>
<td>6h 28m 10s</td>
<td>72° 46' 30&quot;</td>
<td>41° 16' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>9°</td>
<td>6h 30m 15s</td>
<td>72° 21' 00&quot;</td>
<td>41° 09' 30&quot;</td>
</tr>
<tr>
<td>Direct</td>
<td>8°</td>
<td>6h 28m 45s</td>
<td>72° 09' 30&quot;</td>
<td>41° 22' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>8°</td>
<td>6h 29m 55s</td>
<td>72° 58' 00&quot;</td>
<td>41° 02' 00&quot;</td>
</tr>
<tr>
<td>Means</td>
<td>8°</td>
<td>6h 29m 11s</td>
<td>72° 33' 45&quot;</td>
<td>41° 12' 22&quot;</td>
</tr>
</tbody>
</table>

Correction for refr. 47''

Decl. 22° 19' 32'' N.

\[
\cos \theta = \sin 22° 19' 32'' / \cos 34° 28' \\
= \tan 34° 28' \times \cos 41° 11' 35''
\]

\[
x \tan \theta = 41° 11' 35'' = 9.978963929
\]

\[
sin 22° 19' 32'' = 9.5796537
\]

\[
cos 34° 28' 00'' = 9.9515673
\]

\[
cos 41° 11' 35'' = 9.978963929
\]

\[
9.7787100 = \log \theta = 0.1155
\]

\[
\theta = 89° 20' 22''
\]

Bearing of reference mark, N. 15° 46' 37'' E.
<table>
<thead>
<tr>
<th>Telescope</th>
<th>Pos.</th>
<th>1.m.t.</th>
<th>Horizontal Angle</th>
<th>Vertical Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>a.m.</td>
<td>sun</td>
<td>6h 32m 50s</td>
<td>73° 35' 00&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>a.m.</td>
<td>sun</td>
<td>6h 34m 50s</td>
<td>72° 59' 30&quot;</td>
</tr>
<tr>
<td>Direct</td>
<td>a.m.</td>
<td>sun</td>
<td>6h 33m 25s</td>
<td>72° 49' 00&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>a.m.</td>
<td>sun</td>
<td>6h 34m 50s</td>
<td>73° 36' 00&quot;</td>
</tr>
<tr>
<td>Means</td>
<td></td>
<td></td>
<td>6h 33m 50s</td>
<td>73° 12' 52&quot;</td>
</tr>
</tbody>
</table>

Correction for refr. 46"

Decl. 22° 19' 33" N.

\[
\cos \alpha = \frac{\sin 22° 19' 33"}{\cos 34° 28' x} - \frac{\tan 34° 28'}{\cos 42° 09' 44"}.
\]

\[
\tan 42° 09' 44" = 9.38950638 = \log \cdot .52160
\]

\[
\tan 34° 28' 00" = 9.3856929
\]

\[
\tan 42° 09' 44" = 9.3856929 = \log \cdot .52160
\]

\[
\cos \alpha = .00001
\]

Q. = 90° 00' 00"

Bearing of reference mark, N. 16° 47' 03" E.
TABLED AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 547, 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>I - 2</td>
<td>S...0-33 E.</td>
<td>28.00</td>
<td>28 0.0</td>
<td>27</td>
<td>85 21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 - 3</td>
<td>S...51-52</td>
<td>39.78</td>
<td>28 56.0</td>
<td>31 28</td>
<td>54 19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 - 4</td>
<td>N...39-25 W.</td>
<td>17.82</td>
<td>13 77.0</td>
<td>11 31</td>
<td>11 59</td>
<td>159 48</td>
<td></td>
</tr>
<tr>
<td>4 - 5</td>
<td>N...6-17 W.</td>
<td>28.43</td>
<td>28 43.0</td>
<td>14</td>
<td>14</td>
<td>3 98</td>
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<tr>
<td>5 - 1</td>
<td>N...76-10 E.</td>
<td>43.73</td>
<td>10 46.0</td>
<td>42 46</td>
<td>42 47</td>
<td>442 96</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. 10 01 20/3113 15 20 Acres.
Closing Error, 1:570 155.66 Acres.

TRAVERSE OF UNLISTED AREA

<table>
<thead>
<tr>
<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>S...51-52 W.</td>
<td>39.78</td>
<td>24 56.0</td>
<td>31 29</td>
<td>53 91</td>
<td>1323 49</td>
<td></td>
</tr>
<tr>
<td>N...39-25 W.</td>
<td>17.82</td>
<td>13 77.0</td>
<td>11 31</td>
<td>11 31</td>
<td>155 74</td>
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</tr>
<tr>
<td>N...75-49 E.</td>
<td>43.94</td>
<td>10 77.0</td>
<td>42 60</td>
<td>42 60</td>
<td>459 23</td>
<td></td>
</tr>
<tr>
<td>101.54</td>
<td>24 54.0</td>
<td>24 56.0</td>
<td>42 60</td>
<td>42 60</td>
<td>614 97</td>
<td>1323 49</td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. 02 00 20/708 52 35 43 Acres.
July 10, 1919.

I, John Bowler, hereby agree to the survey of my homestead, Number 547, as made on the 10th 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 __ the inclusion of unlisted land on the South. __

(Sgd.) Harold H. Longfellow, (Sgd.) John Bowler,

Witness. Claimant,
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, April 26, 1920

The foregoing field notes of Homestead Entry Survey No. 547

executed by Frank D. Joss, Surveyor under his special instructions, dated February 14, 1922, 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 F. TROTT
U. S. Surveyor General.