U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 559
SITUATED IN THE TONTO NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3.
In Section 10, unsurveyed, Township 3 N., Range 13 E.
In Section 11, unsurveyed, Township 3 N., Range 13 E.

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

Applicant for listing
Herman L. Prosper,
Residence
Roosevelt, Arizona.
Application No. 235, dated March 29, 1909
List No. 3-203, dated June 16, 1909

Applicant for survey
Chas. E. Steward,
Residence
Roosevelt, Arizona.
N. E. No. 029684, dated March 22, 1916. Relinquished
Land Office, Phoenix, Arizona.

Survey executed by
Frank D. Yost, Surveyor - Forest Service,
Under special instructions dated
Survey commenced
Survey completed
Under Acts of
June 11, 1906, and October 1, 1916.
We hereby certify that we assisted

Frank D. Yost,

Surveyor—Forest Service,

in surveying all those parts or portions of Homestead Entry Survey No. 559, 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.

Subscribed and sworn to before me this 6th day of August, 1919.

Frank D. Yost,
Surveyor—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 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. 5-203, dated June 16, 1909, for Patent under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 559, situated within the

TOYO National Forest, in

unsurveyed Sections 10 & 11, Township 3 N., Range 13 E., and

surveyed Section ---, Township ---, Range ---, of the GILA AND SALT RIVER BASE & MERIDIAN, ARIZONA, and the related retracements and re-surveys 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

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

Exh. J. S. Nugent
Notary Public.

My commission expires March 17, 1921.
Homestead Entry Survey No. 559
Tonto National Forest
State of Arizona

Chains

Situated in what will probably be when surveyed Secs 10 & 11, T. 3 N., R. 13 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.
Surveyed under the Acts of June 11, 1906 and October 1, 1918.

Survey commenced February 24, 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.

February 24, 1919.

At Cor. No. 4 of this survey, hereinafter described, at 6h 00.1m p.m., I observe Polaris with telescope direct reading an angle of 62° 25' 15" from star to right to a reference mark 1 mile distant.

Latitude 33° 27' 06" N., Long. 111° 00' 06" W., from special instructions from the Surveyor General and later verified.
At the same station at 6h 04:55m p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of 62° 27' from star to right to same reference mark.

l.m.t. U. C. Pol., Febry. 24, 1919, 6h 15:93m p.m.
l.m.t. obsn. Pol., Febry. 24, 1919, 6h 04:53m p.m.

Hour Angle, 2h 45:2m
Azimuth of Polaris, 0° 51:34° W.
Bearing of reference mark, N. 61° 32' 06" E.

The two obser. give a mean bearing of reference mark as N. 61° 31'.50" E. I accept bearing of reference mark as N. 61° 32' E. and to the corresponding meridian all the courses of this survey were referred by sustained angulation.

Febry. 24, 1919.
Chiseled 1 H E S 559 on SW. face, surrounded by a mound of stone 3-1/2 ft. base, 1-1/2 ft. high; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., whence:

A mesquite 6 ins. diam., brs. S. 54° 46' W.,
42 lvs. dist.

A mesquite 6 ins. diam., brs. N. 33° 55' W.,
62 lvs. dist.

Each blazed and scribed 1 H E S 559 x B T

The 1/4 cor. on the S. bdy. of Sec. 35, T. 4 N., R. 13 E., (accepted). A quartzite stone 7 x 5 x 5 ins. above ground, chiseled 1/4 on N. face, with mound of stone N. of cor., bears N. 7° 48' 07" E., 104.25 chs. dist., by traverse which appears at the end of these notes.

Cor. H-4 of the list survey, which is a granite stone 10 x 10 x 17 ins. marked and witnessed as described by the Forest Service, was lying on top of ground alongside Cor. No. 2 H.E.S. No. 447. I destroy all trace of this list cor.

In connection with the survey of H. E. S. No. 447, Forest Service Surveyor Walter J. Harley made careful search for standard cor. of Secs. 34 and 35, but was unable to find any trace of same.

Note: It was impracticable to chisel markings for cor.

No. 1 of this survey on the stone set for Cor. No. 2 of H. E. S. 447.

Lat. 33° 37' 06" N., Long. 110° 59' 46" W., from special instructions from the Surveyor General and later verified.

Mag. decl. at 8 a.m., 14° 00' E.,磁差 14° 00' E.,
Mag. decl. 13° 59' E.
Chains  
Thence S. 52° 56' W.
Over bottom land, thru dense brush.

1.21  
Wire fence, bears N. 50° E. and S. 30° W.

13.69  
To Cor. No. 2.

Identical with Cor. H-3 of the list survey, which is a granite stone 10 x 6 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 6 x 4 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim and 2 H E S 559 in N. quadrant facing claim; raise a mound of stone 3 ft. base, 2 ft. high, N. of cor., whence:

A mesquite 9 ins. dia., brs. N. 82° 05' E., 21 lms. dist.

A mesquite 10 ins. dia., brs. S. 22° 24' E., 84 lms. dist.

Each blazed and scribed 2 H E S 559 + B T

Thence N. 83° 11' W.
Thru heavy brush.

12.05  
To Cor. No. 3.

Identical with Cor. H-2 of the list survey, which is a granite stone 12 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.
Deposit a granite stone 8 x 5 x 4 ins. marked with a + 24 ins. in the ground, over which set an iron post, 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim, and 3 H E S 559 in NE. quadrant facing the claim; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:
Chains

A mesquit 10 ins. dia., brs. N. 69° 82' W.,
80 lks. dist.

A mesquit 6 ins. dia., brs. S. 22° 10' W.,
82 lks. dist.

Each blazed and scribed 3 H E S 559 + B T

Thence N. 22° 41' W.,

Over open land,

7.75 Wire fence, bears N. and S.

7.87 To Cor. No. 4.

Identical with Cor. No. 3 of H. E. S. 447, a diorite stone 12 x 6 x 10 ins. above ground, marked * on top and 3 H E S 447 on NE. face. I adopt this cor. for Cor. No. 4 of this survey. It was impracticable to mark same stone for this survey on account of rough surface. I therefore set a granite stone 20 x 12 x 8 ins. 15 ins. in ground alongside to SE., marked 4 H E S 559 on SE. face; raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:

A mesquit 10 ins. dia., brs. S. 31° 16' E.,

575 lks. dist.

A mesquit 8 ins. dia., brs. N. 45° 55' W.,

29 lks. dist.

Each blazed and scribed 4 H E S 559 + B T

Cor. H-1 of List 3-203, which is a mesquit stake, 5 x 20 ins. marked as described by the Forest Service, was lying on ground alongside Cor. No. 3, H. E. S. 447. I destroy all trace of same and No. 3 is this list cor. as shown for advice.

J. A. Blair

[Signature]
The improvements made upon and for the benefit of this claim and belonging to the claimant, consist of the following:

A frame house 18 x 12 ft., the long sides extending E. and W. and the SW. cor. of which bears S. 24° 55' E., 5.73 chs. dist. from cor. 4.

Value: $200.00

Approximately 3/4 miles of wire fencing, mostly outside of claim.

Value: $80.00

The claim consists of part of a mesquit covered flat, bounded on the West by a low mesa, and on the East by Pinto Creek Wash. The land has a gradual slope.

The soil is a light sandy loam of fair depth, and will produce the ordinary crops of the temperate zone, with irrigation. Approximately 60 percent of the area is suitable for farming and of which about 3 acres have been cultivated in the past.

Water for domestic use can be obtained from Pinto Creek which lies a short distance to the East of the claim.
There is no commercial timber on the claim. I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS
There are no conflicts. H. E. S. 447, (accepted), adjoins this survey on the North; line 3-2 thereof being identical with line 4-1 of this survey. H. E. S. 70 lies about 1/2 mile to Southeast.
Roosevelt, Arizona, the nearest settlement and postoffice is 15 miles in a Northwestern direction.

TRAVERTSES

<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. 52° 56' W.</td>
<td>13.69</td>
<td>8.25</td>
<td>10.92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 88° 11' W.</td>
<td>12.06</td>
<td>1.43</td>
<td>11.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 28° 41' W.</td>
<td>7.87</td>
<td>7.25</td>
<td>3.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 88° 58' E.</td>
<td>25.92</td>
<td>.47</td>
<td>25.93</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>59.64</td>
<td>3.69</td>
<td>8.72</td>
<td>26.92</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.69</td>
<td>25.39</td>
<td>26.92</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. 0.03 25.99 0.01
Closing Error, 1:1888.

TIE FROM COR. NO. 1 TO 1/4 COR.
ON S. 5°Y. SEC. 35, T. 4 N., R. 13 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. 65° 55' W.</td>
<td>27.05</td>
<td>11.91</td>
<td>24.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 8° 22' E.</td>
<td>21.49</td>
<td>21.26</td>
<td>21.26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 64° 52' E.</td>
<td>15.65</td>
<td>6.44</td>
<td>15.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 8° 21' E.</td>
<td>40.31</td>
<td>39.88</td>
<td>39.88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 39° 19' E.</td>
<td>25.92</td>
<td>21.71</td>
<td>14.27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 34° 25' E.</td>
<td>2.91</td>
<td>2.91</td>
<td>1.59</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>103.48</td>
<td>0.00</td>
<td>84.47</td>
<td>24.29</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24.29</td>
<td>14.18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Resultant course N. 7° 48' 17'' E., 104.45 chs.
Survey completed February 26, 1919.

Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

[Signature]
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 figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.
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. I. 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. 559, 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>1 - 2</td>
<td>S. 52-56 W.</td>
<td>13.69</td>
<td>8 25</td>
<td>10 92</td>
<td>40 92</td>
<td>337 18</td>
<td></td>
</tr>
<tr>
<td>2 - 3</td>
<td>N. 83-41 W.</td>
<td>12.05</td>
<td>1 43</td>
<td>11 96</td>
<td>18 04</td>
<td>25 98</td>
<td></td>
</tr>
<tr>
<td>3 - 4</td>
<td>N. 22-41 W.</td>
<td>7.87</td>
<td>7 26</td>
<td>3 04</td>
<td>3 04</td>
<td>22 07</td>
<td></td>
</tr>
<tr>
<td>4 - 1</td>
<td>S. 88-58 E.</td>
<td>25.93</td>
<td>25 93</td>
<td>25 92</td>
<td>48 05</td>
<td>349 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>59.54</td>
<td>8 69</td>
<td>8 72</td>
<td>25 93</td>
<td>25 92</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep.:

Closing Error, 1:1823

Acres: 15 05
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, May 10, 1920

The foregoing field notes of Homestead Entry Survey No. 559

executed by Frank D. Yost, Surveyor
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.

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.