U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

HOMESTEAD ENTRY SURVEY NO. 596

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 2; un-surveyed, Township 35 N., Range 29 E.
In Section 34; un-surveyed, Township 42 N., Range 29 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing
George Balke
Residence
Espinor, Arizona
Application No.
320
, dated
April 24, 1914
List No.
3-3263
, dated
August 10, 1914

Applicant for survey
Isaac A. Sloop
Residence
Espinor, Arizona
H. E. No.
037284
, dated
December 10, 1917

Land Office
Phoenix, Arizona.

Survey executed by Thomas P. Myers, Surveyor - Forest Service.
Under special instructions dated
May 14, 1919
Survey commenced
May 29, 1921
Survey completed
May 30, 1921

OATH OF ASSISTANTS

We hereby certify that we assisted Thomas F. Myers, Surveyor - Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 596, 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 30th day of May 1921.

[Signature]
Chairman

[Signature]
Chairman

OATH OF SURVEYOR

1. Thomas F. Myers, Surveyor - Forest Service,

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated May 14, 1919, 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. 3-3263, dated August 10, 1914, and a tract of adjoining land upon the application of George Balke, Application No. 320, dated April 24, 1914, for Listing and Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 596, situated within the Apache National Forest, in un-surveyed Section 3, Township 4 N., Range 29 E., and un-surveyed Section 34, Township 45 N., Range 29 E., of the Gila & 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

[Signature]
Surveyor - Forest Service

Subscribed and sworn to before me this 8th day of May 1922.

[Signature]
Notary Public.

My commission expires April 12, 1925.
Chains

Applicant for listing, George Balke; Application No. 230, dated April 24, 1914; List No. 3-2325, dated August 10, 1914; H.R. 037284, made in the Phoenix Land Office on Dec. 10, 1917, by Isaac A. sheep.

Also a tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character, was desired by entrant and will be listed as a basis for amendment of his entry No. 037284. This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1919, and designated as Homestead Entry Survey No. 596.

Situated in what will probably be when surveyed Sec. 3, T. 4 N., R. 29 E., and what will probably be Sec. 34, T. 44 N., R. 29 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.


Survey commenced May 29, 1921, and executed with a Buff and Buff transit No. 10530, 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.

May 29, 1921.

At my station near Cor. No. 5 of this survey herein-after described in Lat. 33°43'20" N., Long. 109°19'50" W. from Forest Service Base Map, at 7th 29m 63s p.m. I.M.T., I observe Polaris with telescope direct,
Chains

<table>
<thead>
<tr>
<th>Time</th>
<th>Hour Angle</th>
<th>Azimuth of Polaris</th>
<th>Bearing of Reference Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corr. for Long: 1.2</td>
<td>10h 24.4m</td>
<td>0°31'46&quot; W.</td>
<td>N. 8°15'18&quot; W.</td>
</tr>
<tr>
<td>L.m.t. U.C. Polaris, May 29, 1921, 9h 05.5m a.m.</td>
<td>10h 27.2m</td>
<td>0°30'54&quot; W.</td>
<td>N. 8°15'24&quot; W.</td>
</tr>
</tbody>
</table>

At same station at 7h 32m 40s p.m. L.m.t., I again observe Polaris with telescope reversed, reading an angle of 7°43'30" from star to left to same reference mark.

<table>
<thead>
<tr>
<th>Time</th>
<th>Hour Angle</th>
<th>Azimuth of Polaris</th>
<th>Bearing of Reference Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.m.t. obsn. Polaris, May 29, 1921, 7h 29.9m p.m.</td>
<td>10h 24.4m</td>
<td>0°31'46&quot; W.</td>
<td>N. 8°15'18&quot; W.</td>
</tr>
<tr>
<td>L.m.t. obsn. Polaris May 29, 1921, 7h 32.7m p.m.</td>
<td>10h 27.2m</td>
<td>0°30'54&quot; W.</td>
<td>N. 8°15'24&quot; W.</td>
</tr>
</tbody>
</table>

The mean bearing of the reference mark, as determined from the two obsns. is N. 8°15'21" W. I accept bearing of reference mark as N. 8°15' W., and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

May 29, 1921.

RETRACEMENT W. BOUNDARY H.E.S. 480.

May 30, 1921.

Beginning at Cor. No. 2 of H.E.S. 480, a lava stone 12x8x10 ins. above ground, marked + on top and 2 H.E.S. 480 on S. face.

Thence S. 14°27' W.

Along line 2-1 of H.E.S. 480 for flag on Cor. No. 1, which is plainly visible.

To Cor. No. 1 of H.E.S. 480, a lava stone 10x8x10 ins. above ground, marked + on top and 1 H.E.S. 480 on E. face.
Chains

Thence S. 32°06' E.
Retracing line 1-7 of HES. 480.

28.16 Fall 2 lds. N. 57°54' E. of Cor. No. 7 of HES. 480, a
lava stone 10x8x10 ins. above ground, marked + on top
and 7 HES. 480 on N. face, witnessed as described in
accepted field notes of HES. 480.

Thence N. 22°04' W.
On true line 7-1 of HES. 480.

29.69 Set temporary point for Cor. No. 5 of HES. 596.

38.16 To Cor. No. 1 of HES. 480, previously described.

BOUNDARIES OF CLAIM

May 30, 1921.

Beginning at Cor. No. 1, which is also Cor. No. 8 of
HES. 602.

Identical with Cor. R/3 of List. 3-3256, a malpais stone
10x8x6 ins. above ground, marked and witnessed as
described by the Forest Service. I destroy all trace
of this list Cor.

Deposit a malpais stone 4x5x3 ins., marked with a + 20
ins. in the ground, over which set a malpais stone
28x18x7 ins., chiseled + for the point and 1 HES 596
on NE., and 5 HES 603 on NW. faces; raise a mound of
stone 2 ft. base 1-1/2 ft. high NE. and NW. of Cor.,
whence:

A pine 18 ins. dia. brs. N. 83°45' W. 105 lks.
A pine 12 ins. dia. brs. S. 49°30' W. 111 lks.
Each blazed and scribed 1 HES. 596 + BT.

A pine 36 ins. dia. brs. N. 83°00' W. 178 lks.
A pine 20 ins. dia. brs. S. 19°35' W. 101 lks.
Each blazed and scribed 6 HES. 603 + BT.
The 1/4 Cor. on E. boundary of Sec. 24, T. 4 N.
R. 28 E. (Restored by Surveyor R. P. A. Johnson
in connection with the survey of HES. 480), a lava stone 12x12x10 ins., above ground, marked + on top and 1/4 in. W. face, with mound of stone W. of Cor., bears N. 72° 45' 37" W. 44.27 chs. dist., by traverse which appears at the end of these notes.

Lat. 33° 42' 06" N., Long. 109° 20' 06" W. from Forest Service Base Lap.

Mag. decl. at 9 a.m. 13° 40' E. Mean Mag. decl. 13° 57' E.

Note: Cor. No. 6 of HES. 603 was marked and witnessed by me on May 31 in connection with the survey thereof.

Through scattering pine over level land.

8.80 Fence bears E. 5° 30' E. and N. 1° 47' W. along line.

Leave pine timber, thence over open level land outside of fence.

23.08 To Cor. No. 2, also Cor. No. 7 of HES. 603 at fence Cor. identical with Cor. H/2 of List 3-3265, also Cor. H/7 of List 3-4588, which is a malpais stone 12x10x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this List Cor.

Deposit a malpais stone 8x6x6 ins., marked with a + 20 ins. in the ground, over which set a malpais stone 25x14x8 ins., chiseled + for the point and 2 HES. 596 on SE. face, and 7 HES 603 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. and SW. of Cor., whence:

No witnesses available, pits impracticable.

Thence S. 39° 29' E.

Over open level land along outside of fence.

14.00 Cross to inside of fence.

46.99 To Cor. No. 3.

Identical with Cor. No. 2 of HES. 480 and point for Cor. H/1 of List 3-3265, a lava stone 12x8x10 ins. above
Chains

Ground, marked + on top and 2 HES. 480 on S. face.
(Cor. H/1 of the list survey was destroyed in connection with the survey of HES. 460). I adopt Cor. No. 2 of HES. 460 for Cor. No. 3 of this survey and chisel same stone 3 HES 596 on SW. face.

No witnesses available. Fits impracticable.

Thence S. 14°37' W.
Along line 2-1 of HES. 480, over open level land.
To Cor. No. 4.

16.99

Identical with Cor. No. 1 of HES. 480 and point for Cor. H/5 of List 3-3263, a lava stone 10x8x10 ins. above ground, marked + on top and 1 HES. 480 on E. face. (Cor. H/5 of list survey was destroyed in connection with survey of HES. 480). I adopt Cor. No. 1 of HES. 480 for Cor. No. 4 of this survey and chisel same stone 4 HES 596 on W. face.

No witnesses available. Fits impracticable.

Thence S. 32°04' E.
Along line 1-7 of HES. 480 over unlisted open level land.

8.47
To Cor. No. 5.

Deposit a malpais stone 8x6x6 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 2x10x6 ins., chiseled + for the point and 5 HES. 596 on W. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of Cor., whence:

A pine 12 ins. dia. brs. S. 43°13' W. 212 lks.
A pine 12 ins. dia. brs. S. 42°50' E. 187 lks.
Each blazed and scribed 5 HES 596 + BT.
Cor. No. 7 of HES. 480, previously described,
beers S. 32°04' E. 29.69 cts. dist. by direct measurement.
Chains

Thence E. 53°06' W.
Over gently rolling land through edge of pine timber over unlisted land.

23.25 Fence bears N. 32°15' E. and S. 32°15' W.

23.32 To Cor. No. 6, at Cor. of fence. Fence bears S. 79°30' W. and N. 32°15' E.

Identical with Cor. H/4 of the list 3-3263, which is a malpais stone 12x8x6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a malpais stone 8x8x2 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24x10x6 ins., chiseled + for the point and 6 HES 596 on N. face; raise a mound of stone 2 ft. base 1-1/2 ft. high N. of Cor. whence:

A pine 24 ins. dia. brs. S. 76°30' E. 94 lks.
A pine 10 ins. dia. brs. S. 44°55' W. 122 lks.
Each blazed and scribed 6 HES 596 + BT.

Thence N. 80°25' W.
Over gently rolling land through scattering pine.

6.66 Arroyo 10 lks. wide, 2 ft. deep. Course NW.

29.44 Fence bears N. 5°30' W. and S. 5°30' E.

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

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**AREA**

Listed Area — — — — — — — — — — — — — — — — 146.03 acres
Unlisted Area — — — — — — — — — — — — — — — — 2.85
Total Area — — — — — — — — — — — — — — — — 157.88 acres

**IMPROVEMENTS**

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

A log house 12'x12 ft.; the long sides extending E. and W., the SE. Cor. of which bears N. 27°48' E. 15.09 chs. from Cor. No. 6.
Value - - - - - - - - - - - - - - - - $200.00
A pole corral 100 ft. in dia., the S. post of gate at center on E. side bears N. 29°40' E. 15.30 chs. from Cor. No. 6.
Value - - - - - - - - - - - - - - - - $75.00
About two miles of wire fencing on boundaries of claim.
Value - - - - - - - - - - - - - - - - $300.00

DESCRIPTION

The claim occupies a wide open flat, with a general slope to the N. The drainage is to the East near the north boundary of the claim and flows into Beaver Creek. Approximately 130 acres are suitable for agricultural purposes, of which about 50 acres have been under cultivation. During ordinary years the agricultural area would be a natural hay meadow.

The soil is a rich dark loam and will grow good crops of hay, small grain and vegetables.

At present there is no water on the claim for irrigation. The rainfall is depended upon to grow crops.

Water for domestic use is obtained from a spring on HES. 480, which adjoins this claim on the East.

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: HES. 460 (patented) adjoins this claim on the East. HES. No. 508, surveyed by me on May 31, 1941, adjoins on the West. HES. No. 481 lies about 1/2 mile distant in a northerly direction. HES. 492 lies about 1/2 mile distant in a northeasterly direction and HES. 483 lies about 5/8 of a
mile distant in an easterly direction.
Espero, Arizona, the nearest post office, lies about 2-1/2 miles distant in a southeasterly direction.
Alpine, Arizona, the nearest trading point, lies about 15 miles distant in a northeasterly direction and is reached by trail.
Springerville, Arizona, the general trading point for this section, lies about 34 miles distant in a northerly direction and is reached by fair wagon road.

<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. 19°47' W. 32.08</td>
<td>32.06</td>
<td></td>
<td>.20</td>
<td>48.99</td>
<td>1.02</td>
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<tr>
<td>S. 69°39' E. 48.99</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 14°27' W. 16.99</td>
<td>16.44</td>
<td>7.18</td>
<td>4.50</td>
<td>18.65</td>
<td></td>
</tr>
<tr>
<td>S. 62°04' E. 8.47</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 55°06' W. 22.32</td>
<td>14.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 80°25' W. 29.30</td>
<td>4.98</td>
<td>28.04</td>
<td>37.92</td>
<td>23.49</td>
<td>29.45</td>
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</table>

Error in Lat. & Dep. 12 04
Closing Error 1/1270

UNLISTED AREA

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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</thead>
<tbody>
<tr>
<td>S. 32°04' E. 8.47</td>
<td></td>
<td>7.18</td>
<td></td>
<td>4.50</td>
<td>18.65</td>
</tr>
<tr>
<td>S. 55°05' W. 22.32</td>
<td>14.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 36°45' E. 26.47</td>
<td>21.18</td>
<td>21.18</td>
<td>18.66</td>
<td>18.66</td>
<td></td>
</tr>
</tbody>
</table>

TIE COR. NO. 1 TO 1/4 COR./24.

<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. 44°26' W. 25.02</td>
<td></td>
<td>17.87</td>
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<td>17.61</td>
<td>25.00</td>
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<td>H. 88°56' W. 25.01</td>
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<td>.62</td>
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<td></td>
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</tr>
<tr>
<td>N. 0°26' E. 30.57</td>
<td>20.37</td>
<td>20.37</td>
<td>17.87</td>
<td>17.67</td>
<td>25.00</td>
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<tr>
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<td>20.99</td>
<td>17.87</td>
<td>17.67</td>
<td>17.67</td>
<td>25.00</td>
</tr>
</tbody>
</table>

Resultant Course N. 72°45'37" W. 44.27
Survey completed May 30, 1921.

Surveyor, Forest Service.
# TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 235, 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>N. 1°47' W.</td>
<td>32.08</td>
<td>33 06'</td>
<td>60</td>
<td>43 99'</td>
<td>1 03'</td>
<td>1 04'</td>
</tr>
<tr>
<td>2 - 3</td>
<td>S. 88°39' E.</td>
<td>18.99</td>
<td>16 44'</td>
<td>4 29</td>
<td>23 66'</td>
<td>93 66</td>
<td>1540 52'</td>
</tr>
<tr>
<td>3 - 4</td>
<td>S. 85°37' W.</td>
<td>16.99</td>
<td>7 18'</td>
<td>18 65</td>
<td>73 71</td>
<td>1117 63'</td>
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<tr>
<td>4 - 5</td>
<td>S. 28°04' E.</td>
<td>8.84</td>
<td>14 00'</td>
<td>22 48</td>
<td>21 57</td>
<td>166 53'</td>
<td></td>
</tr>
<tr>
<td>5 - 6</td>
<td>S. 55°06' W.</td>
<td>22.32</td>
<td>38 04'</td>
<td>53 46</td>
<td>63 46</td>
<td>190 94'</td>
<td>2348 63'</td>
</tr>
<tr>
<td>6 - 1</td>
<td>N. 80°28' W.</td>
<td>32.00</td>
<td>37 99'</td>
<td>12</td>
<td>Unlisted Area</td>
<td>190 94'</td>
<td>20/2159 63'</td>
</tr>
</tbody>
</table>

**Error in Lat. and Dep.**

Closing Error 1/1276

**20/2159 63'**

**157 88 acres**

**S. 38°04' E.**

**8.47**

Unlisted Area

**S. 55°06' W.**

**22.32**

**22.47**

**21 18'**

**14 15'**

**299 70'**

**495.60**

**98.70**

**20/196 90'**

**9.85 acres**
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, June 20, 1929

The foregoing field notes of Homestead Entry Survey No.

executed by Thomas F. Myers

under his special instructions, dated May 14, 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.