FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 584
SITUATED IN THE TONTO NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3
In Section 27, unsurveyed, Township 10 N., Range 13 E.

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

Applicant for listing R. C. Russell 
Residence Young, Arizona.
Application No. 626 , dated April 15, 1916
List No. 3-3845 , dated July 1, 1916

Applicant for survey William T. Roscoe,
Residence Young, Arizona.
H. R. No. 041026 , dated Dec. 24, 1916

Land Office Phoenix, Arizona.
Survey executed by Frank J. Yost, Surveyor - Forest Service,
Under special instructions dated March 10, 1919
Survey commenced June 11, 1919
Survey completed June 11, 1919
OATH OF ASSISTANTS

We hereby certify that we assisted Frank D. Yost, Surveyor - Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 564, 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]
H.E. Brandenburg, Chairman
H. H. Longfellow, Chief meas

Subscribed and sworn to before me this Sixth day of August 7, 1919.

[Signature]
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 March 10, 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 Vest No. 5-3645, dated July 1, 1916, and a tract of unlisted land upon the application of R. C. Haswell.

Application No. 626, dated April 15, 1916, for Listing and Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 564, situated within the Tonto National Forest, in unsurveyed Section 27, Township 10 N., Range 13 E., and surveyed Section ---, Township ---, Range ---, of the Gila and Salt River Base and Meridian, ARIZONA, and the related retracement 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.

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

[Signature]
Ethel I. Myers, Notary Public.

My commission expires March 17, 1921.
Chains

Applicant for listing, R. C. Russell; Application No. 526, dated April 15, 1916; List No. 3-3845, dated July 1, 1916; H. E. O41026 made in the Phoenix Land Office on December 24, 1918, by William T. Roscoe. 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. 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 agreeing to the changes made and also agreeing to amend his entry to conform to the survey is attached at the end of these notes.

Surveyed under Special Instructions from the Surveyor General for Arizona, dated March 10, 1919, and designated as Homestead Entry Survey No. 584.

Situated in what will probably be when surveyed Sec. 27, T. 10 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 June 11, 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.
**Homestead Entry Survey No. 594**

**Tonto National Forest**

**State of Arizona**

**Chains**

June 11, 1919.

At Cor. No. 5 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. Mark is to the right of the sun. My watch was set for local mean time.

Latitude 34° 10' 58" N., Long. 110° 59' 58" 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>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>5h 26m 10s</td>
<td>37° 24' 30&quot;</td>
<td>19° 42' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>5h 26m 20s</td>
<td>37° 42' 00&quot;</td>
<td>19° 44' 30&quot;</td>
</tr>
<tr>
<td>Direct</td>
<td>5h 26m 45s</td>
<td>37° 54' 30&quot;</td>
<td>19° 36' 30&quot;</td>
</tr>
</tbody>
</table>
| Reversed       | 5h 27m 50s | 37° 12' 30" | 19° 51' 30"

**Bearing of reference mark is N. 37° 03' 50" W.**

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

<table>
<thead>
<tr>
<th>Telescope Pos.</th>
<th>1.m.t.</th>
<th>Horizontal Angle</th>
<th>Vertical Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
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<td>36° 46' 30&quot;</td>
<td>16° 40' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>5h 32m 35s</td>
<td>37° 03' 30&quot;</td>
<td>17° 41' 30&quot;</td>
</tr>
<tr>
<td>Direct</td>
<td>5h 31m 45s</td>
<td>37° 16' 30&quot;</td>
<td>16° 34' 30&quot;</td>
</tr>
</tbody>
</table>
| Reversed       | 5h 33m 10s | 36° 33' 30" | 17° 46' 30"

**The bearing of the reference mark is N. 37° 03' 38" W.**

The two observations give a mean bearing of N. 37° 33' 44" W., I accept bearing of reference mark as N. 37° 04' W., and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.
Chains

Note: The courses of this survey were run on an assumed azimuth and subsequently corrected to the meridian as above determined.

BOUNDARIES OF CLAIM

June 11, 1919.

Beginning at Cor. No. 1.

Deposit a sandstone 4 x 3 x 3 ins. marked with a + .24 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap marked 1919 on S. rim, and 1 H E S 584 in NE. quadrant; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:

A juniper 20 ins. dia., brs. S. 10° 00' E., 69 lks. dist.

An oak 12 ins. dia., brs. S. 80° 07' E., 126 lks. dist.

Each blazed and scribed 1 H E S 584 + 3 T Cor. H-5 of the list survey, a sandstone 12 x 8 x 5 ins. above ground marked and witnessed as described by the Forest Service, brs. S. 80° 41' W., 7.31 chs. dist. I destroy all trace of this list cor.

The 1/4 sec. cor. on the N. bdy. of Sec. 3, T. 9 N., R. 15 E., a quartz stone 10 x 10 x 7 ins. above ground, marked and witnessed as described by the Surveyor General, brs. S. 4° 45', 52" W., 86.98 chs. dist. by traverse which appears at the end of these notes.

Lat. 34° 10' 31" N., Long. 111° 00' 14" W., from Special Instructions from the Surveyor General and later verified.
Chains  
Magnetic declination at 8 a.m. is 14° 30' E., Mean  
Magnetic declination, 14° 25' E.  
Thence N. 5° 50' W.  
Over rolling mesa land.  
5.41 Arroyo, 10 lks. wide, banks 2 ft. high, (dry) course  
N. 75° W.  
6.87 Arroyo, 15 lks. wide, banks 2 ft. high, (dry) course  
S. 75° W.  
9.75 To Cor. No. 2.  
Identical with Cor. H-6 of the list survey, which is  
a malpais stone 8 x 6 x 3 ins. above ground, marked  
and witnessed as described by the Forest Service. I  
destroy all trace of this list cor.  
Deposit a granite stone 5 x 4 x 2 ins. marked with a +  
16 ins. in the ground, over which set a granite stone  
24 x 10 x 6 ins. chiseled + for the point and 2 H B S  
584 on NE. face; raise a mound of stone 3 ft. base,  
2 ft. high, NE. of cor., whence:  
A juniper 20 ins. dia., brs. S. 14° 51' E.,  
379 lks. dist.  
A juniper 25 ins. dia., brs. S. 50° 61' W.,  
187 lks. dist.  
Each blazed and scribed 2 H B S 584 + S T  

Thence N. 88° 07' W.  
Ascend 8 ft. over open gentle SE. slope.  
10.09 To Cor. H-7 of the list survey, which is a malpais stone  
14 x 10 x 6 ins. above ground, marked and witnessed as  
described by the Forest Service. I destroy all trace  
of this list cor. Leave listed and enter unlisted  
land.  
12.07 Top of ascent. Desc. 5 ft. gradually, over rocky NW.  
slope.
**HOMESTEAD ENTRY SURVEY NO. 584**

**TONTO NATIONAL FOREST**

**STATE OF ARIZONA**

<table>
<thead>
<tr>
<th>Chains</th>
<th>13.82</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Cor. No. 3.</td>
<td></td>
</tr>
</tbody>
</table>

Point for cor. falls on top of a flat granite outcrop showing 6 x 3 x 1 ft. above ground. On top of outcrop I chisel + for the point and 3 H E S 584 NE. of + for Cor. No. 3 of this survey, and raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:

- A juniper 30 ins. dia., brs. S. 40° 09' E.,
  128 lks. dist.

- An oak 6 ins. dia., brs. N. 55° 14' E.,
  73 lks. dist.

Each blazed and scribed 3 H E S 584 + B T.

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Thence N. 1° 35' W.

Along rocky West slope, thru juniper and oak brush.

9.81 Begin desc. of 80 ft. over open gentle NW. slope.

14.47 Arroyo, 60 lks. wide, banks 12 ft. high, (dry) course S. 75° W. Thence along steep rocky East slope, West bank of arroyo parallels line 30 to 50 lks. dist.

18.43 Cor. H-9 of the list survey, which is a sandstone 10 x 3 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Cor. H-8 of the list survey, which is a sandstone 14 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service, brs. S. 38° 15' E., 9.50 chs. dist. I destroy all trace of this list cor.

24.67 Begin asc. of 25 ft. over rocky NE. slope, thru juniper and heavy oak brush. Bend in west bank of arroyo is about 50 lks. dist. From NE. course is southerly parallel to claim line.

23.23 To Cor. No. 4, which is also Cor. No. 2 of H.E.S. 585. Identical with Cor. H-10 of the list survey, which is a malpais stone 15 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 sandstone 5 x 3 x 2 ins. marked with a + 18
ins. in the ground, over which set a sandstone 24 x 12
x 10 ins. chiseled + for the point, 4 H E S 584 on SE.
face, and 2 H E S 585 on N. face; raise mounds of stone
3 ft. base, 2 ft. high, SE, and N. of cor., whence:

A juniper 20 ins. dia., brs. N. 11° 37' E.,
375 lbs. dist.

An oak 20 ins. dia., brs. N. 85° 15' W.,
412 lbs. dist.

Each blazed and scribed 4 H E S 584 + 3 T

An oak 12 ins. dia., brs. N. 62° 30' E.,
114 lbs. dist.

A juniper 20 ins. dia., brs. N. 41° 30' W.,
158 lbs. dist.

Each blazed and scribed 2 H E S 585 + 3 T

Thence N. 86° 29' E.

Along line 2-1 of H E S 585.

Descend 20 ft. over rocky East slope, thru heavy oak
brush.

5.07 Arroyo, 60 lbs. wide, banks 12 ft. high, (dry) course
South.

Thence over open grassy mesa land.

16.29 Arroyo, 15 lbs. wide, banks 2 ft. high, (dry) course
S. 60° W.

17.35 Cor. wire fence, brs. South 2 lbs. Fences bear South
and N. 85° 29' E. along line inside of claim.

Asc. gradually 35 ft., over gentle grassy NW. slope,
Cultivated land to right.

40.28 To Cor. No. 5.

Which is also Cor. No. 1 of H. E. S. 585 and Cor. No. 4
Chains

of H. E. S. 586.

Identical with Cor. H-1 of List 5-5945 and Cor. H-8 of List 5-5952, which is a quartzite stone 10 x 6 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a granite stone 4 x 3 x 2 ins. marked with a + 18 ins. in the ground, over which set a granite stone 26 x 14 x 8 ins. chiseled + for the point and 5 H E S 584 on SW. face; 1 H E S 585 on North face; and 4 H E S 586 on SE. face, dig pits 24 x 18 x 12 ins.

S. 88° 29' W., S. 0° 22' W. and S. 88° 19' E., 3 ft. dist. and raise mounds of earth and stone SW., N. and SE. of cor. whence:

A juniper 18 ins. dia.; brs. N. 74° 27' W., 584 lks. dist.

A juniper 14 ins. dia.; brs. N. 57° 14' W., 360 lks. dist.

Each blazed and scribed 5 H E S 584 + 3 T

A juniper 24 ins. dia.; brs. N. 55° 52' W., 596 lks. dist.

A juniper 20 ins. dia.; brs. N. 53° 28' W., 589 lks. dist.

Each blazed and scribed 1 H E S 585 + 3 T

A juniper 12 ins. dia.; brs. N. 59° 01' E., 377 lks. dist.

A juniper 28 ins. dia.; brs. N. 36° 19' W., 518 lks. dist.

Each blazed and scribed 4 H E S 586 + 3 T

Fence cor. brs. S. 45° W., 4 lks. dist., from which fences bear S. 88° 29' W., and S. 0° 22' W. along claim lines.
<table>
<thead>
<tr>
<th>Chains</th>
<th>Thence S. 0° 22' W.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Along line 4-3 of N. E. S. 586.</td>
</tr>
<tr>
<td></td>
<td>Over level grassy mesa. Wire fence parallels line 3 lks. dist. inside claim. Cultivated land on West.</td>
</tr>
<tr>
<td>8.78</td>
<td>Wire fence, brs. E. and W. Cor. of fence brs. West, 3 lks. dist. from which fences bear N. 0° 22' E. and S. 0° 22' W. along line, and East. Cultivated land to East.</td>
</tr>
<tr>
<td>22.87</td>
<td>Cor. wire fence brs. West 8 lks. dist. from which fences bear N. 0° 22' E. and S. 0° 22' W. along line, and West. Leave cultivated land on West.</td>
</tr>
<tr>
<td>31.98</td>
<td>Wire fence brs. E. and W. Cor. of fence brs. West, 8 lks. dist., from which fences bear N. 0° 22' E. and S. 0° 22' W. along line, and East. Leave cultivated land on East.</td>
</tr>
<tr>
<td>36.21</td>
<td>Cor. wire fence brs. West, 8 lks. dist., from which fences bear N. 0° 22' E. along line and West. Begin desc. of 16 ft. to cor., over rocky SW. slope, thru juniper and oak.</td>
</tr>
<tr>
<td>40.09</td>
<td>To Cor. No. 6, which is also Cor. No. 5 of H. E. S. 586. Identical with cor. H-2 of List 3-3845, and Cor. H-4 of List 3-1114, which is a sandstone 12 x 10 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 5 x 4 x 1 ins. marked with a + 16 ins. in the ground, over which set a sandstone 24 x 8 x 8 ins. chiseled + for the point, 6 N. E. S. 584 on NW. face, and 3 H E S 586 on SE. face; raise mounds of stone 3 ft. base, 2 ft. high, NW. and SE. of cor., whence: A juniper 14 ins. dia., brs. N. 28° 10' W., 69 lks. dist.</td>
</tr>
<tr>
<td></td>
<td>An oak 16 ins. dia., brs. N. 73° 55' E., 162 lks. dist.</td>
</tr>
</tbody>
</table>
HOMESTEAD ENTRY SURVEY NO. 394 584
TORONTO INDIAN NATIONAL FOREST
STATE OF ARIZONA

Chains

Each blazed and scribed. 6 H.E.S. 584.
3 H.E.S. 586 + 3 T. 6.6 ft.

No other witnesses available.

Thence N. 89° 19' W.
Along line 3-2 of H.E.S. 586, across level grassy mesa.

4.99 To Cor. No. 7, which is also Cor. No. 2 of H.E.S. 586.
Identical with Cor. K-5 of List 5-3646 which is a sandstone 3 x 3 x 2 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this line cor. Deposit a sandstone 3 x 3 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, 7 H.E.S. 584 in portion of circle facing claim and 2 H.E.S. 586 in SE. quadrant, surrounded by mound of stone 4 ft. base, 18 ins. high; whence:

An oak 6 ins. dia., brs. N. 76° 50' E., 528 lks. dist.

An oak 8 ins. dia., brs. S. 21° 07' E., 155 lks. dist.

Each blazed and scribed 7 H.E.S. 584 2 H.E.S. 586 + 3 T.

No other witnesses available.

Thence S. 0° 24' W.
Along line 2-1 of H.E.S. 586, over level grassy mesa.

5.00 To Cor. No. 8, which is also Cor. No. 1 of H.E.S. 586.
Deposit a sandstone 3 x 2 x 1 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, 6 H.E.S. 584 in NW. quadrant and
Chains
1 H E S 586 in NE. quadrant, surrounded by a mound of stone 4 ft. base, 18 ins. high, whence:
An oak 8 ins. dia., brs. S. 42° 02' E.,
57 lks. dist.
An oak 8 ins. dia., brs. N. 27° 57' E.,
32 lks. dist.
Each blazed and scribed 5 H E S 586, 1 H E S 586 + B T
No other witnesses available.
Cor. H-4 of List 3-3845, which is a sandstone
8 x 12 x 2 ins. above ground, marked and
witnessed as described by the Forest Service,
brs. S. 0° 24' W., 7.60 chs. dist. I destroy
all trace of this list cor.
The area eliminated from this survey on the South was
in accordance with the desires of the entryman.

Thence N. 88° 21' W.:
Acores' a level-grassy mesa.
14.23
To Cor. No. 1, place of beginning.

AREA
Listed Area, -- -- -- -- -- -- -- -- 136.14 Acres.
Unlisted Area, -- -- -- -- -- -- -- -- 16.79 Acres.
Total Area, -- -- -- -- -- -- -- -- 152.93 Acres.

IMPROVEMENTS
The improvements made upon and for the benefit of this
claim and belonging to the claimant herein consist of the following:
A frame house 10 x 16 ft., the long sides ex-
tending NE. and NW., the N. cor. of which
brs. S. 27° 25' E., 7.41 chs. dist. from
Chains

Cor. No. 4,
Value - - - - - - - - - - - $ 200.00

A pole shed, 14 x 14 ft., the long sides extending NE. and SW., the N. cor. of which
brs. S. 25° 51' E., 14.15 chs. dist. from
Cor. No. 4,
Value - - - - - - - - - - - $ 50.00
Approximately 2 miles of wire fencing,
Value - - - - - - - - - - - $ 250.00

DESCRIPTION

The claim is situated on a gently rolling mesa, draining
to the SW. Soil is a light sandy loam, deep in spots,
shallow in others, but in general it has ample depth
for dry farming.

There is no water on the claim, and prospects of develop-
ing water except thru storage tanks are very unfavorable.
At present water is hauled from Clark's ranch, which
lies about 1-1/2 miles to the East, for domestic use.

There is no timber of commercial value on the claim.

I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CHAINS

There are no conflicts.

H. E. S. 566 adjoins this survey on the North. Line
2-1 thereof being identical with line 4-5 of this sur-
vey, H. E. S. 566 adjoins on the East, lines 4-5, 5-2
and 2-1 thereof being identical with lines 5-6, 6-7,
and 7-8, respectively, of this survey.

Young, Arizona, the nearest settlement and postoffice,
lies about 8 miles in a Southeasterly direction.
<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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<td>9.70</td>
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<td>N. 6° 07' W.</td>
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<tr>
<td>N. 8° 29' E.</td>
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<td>14.07</td>
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<tr>
<td>S. 0° 22' W.</td>
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<th>Course</th>
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<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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</thead>
<tbody>
<tr>
<td>S. 88° 12' E.</td>
<td>14.23</td>
<td>14.22</td>
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<td></td>
</tr>
<tr>
<td>S. 29° 52' E.</td>
<td>10.23</td>
<td>8.97</td>
<td>5.10</td>
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<tr>
<td>S. 48° 51' E.</td>
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<td>2.02</td>
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<td>12.21</td>
<td>12.72</td>
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<tr>
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<td>1.25</td>
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<td>3.21</td>
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<td>S. 10° 40' E.</td>
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<td>S. 5° 37' E.</td>
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<td>S. 25° 56' W.</td>
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<td>S. 74° 09' E.</td>
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<td>S. 55° 41' W.</td>
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<td>Resultant Course, S. 4° 45' 52&quot; W., 86.98 chs.</td>
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Survey completed June 11, 1919.
Chains

Direct Solar Obsn. at Cor. No. 3, H. B. S. 584.

June 11, 1919.

Lat. 34° 10' 58" N., Long. 110° 39' 58" W., from

Special Instructions from the Surveyor General and

later verified.

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

Sun Direct " 5h 31m 20s 36° 46' 30" 18° 40' 30"

Reversed " 5h 33m 55s 37° 03' 30" 17° 41' 30"

Direct " 5h 31m 45s 37° 16' 50" 18° 34' 30"

Reversed " 5h 33m 10s 36° 33' 30" 17° 46' 30"

Means 5h 32m 27s 36° 55' 00" 18° 10' 45"

Corr. for Refr. 21 18"

18° 08' 27"

Declination 25° 04' 26" N.

\[
\cos. Q = \sin. 25° 04' 26" \div \cos. 18° 08' 27" \\
= \tan. 34° 10' 58" \\
= \sin. 25° 04' 26" = 0.49654 \\
= \cos. 34° 10' 58" = 0.8519720 \\
= \tan. 18° 08' 27" = 0.5162960 \\
= \cos.Q = 0.2730226 \\
= 0.3473680 = \log. \ 0.58008 \\
= 73° 58' 36"
\]

Bearing of Reference Mark, N. 37° 03' 36" W.
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<th>Chains</th>
<th>Direct Dollar Obse. at Cor. No. 5, H.E.S. 584.</th>
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<td>Lat.: 34° 10' 58&quot; N.</td>
<td>Long.: 110° 59' 56&quot; W., from</td>
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<td>Special Instructions</td>
<td>Survey General and</td>
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<td>later verified.</td>
<td>Elevation approximately 5800 ft.</td>
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<td>TelescopePos.</td>
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<tr>
<td>Sun Angle</td>
<td>Angle</td>
</tr>
<tr>
<td>Direct</td>
<td>5h 26m 10s 37° 24' 30&quot; 19° 42' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>5h 26m 20s 37° 42' 00&quot; 18° 44' 30&quot;</td>
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<tr>
<td>Direct</td>
<td>5h 26m 45s 37° 54' 30&quot; 19° 36' 30&quot;</td>
</tr>
<tr>
<td>Reversed</td>
<td>5h 27m 50s 37° 12' 30&quot; 18° 51' 30&quot;</td>
</tr>
<tr>
<td>Means</td>
<td>5h 27m 16s 37° 33' 22&quot; 19° 13' 45&quot;</td>
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<tr>
<td>Corr. for refr.</td>
<td>21 09&quot;</td>
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<tr>
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<td>197 11' 23&quot;</td>
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Declination, 23° 04' 26" N.

\[
\cos \theta = \sin 23° 04' 26" / \cos 34° 10' 58" \times \cos 19° 11' 36" / \tan 19° 11' 36".
\]

\[
\begin{align*}
\sin 23° 04' 26" &= 0.95931902 \\
\cos 34° 10' 58" &= 0.9176366 \\
\cos 19° 11' 36" &= 0.9751627 \\
9.705910 &= \log 0.80164 \\
9.8319720 &= \log 0.29522 \\
9.3753840 &= \log 0.23642 \\
\cos \theta &= 0.28522 \\
\theta &= 74° 27' 12" \\
\end{align*}
\]

Bearing of Reference Mark, N. 37° 03' 50" W.
### Tabling and Calculations of Homestead Entry Survey No. 584, State of Arizona

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<tr>
<th>CORNERS</th>
<th>BEARING</th>
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<th>DEPARTURES</th>
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<th>S. AREAS</th>
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166.39 43.08 45.09 40.27 40.23

Error in Lat. and Dep.

01 04

Closing Error, 1:4036

507.07 3565.67

20/3058.60

158.93 Acres
TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 524, STATE OF ARIZONA

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### Tabling and Calculations of Homestead Entry Survey No. 584, State of Arizona

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Resultant course, S. 47-46-52 W., 86.98 chs.
June 14, 1919.

I, William T. Roscoe, hereby agree to the survey of my homestead, Number 584 as made on the 11th day of June, 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 excluding listed land on the South and including unlisted land on the West.

(Sgd.) Wm. T. Roscoe,

Claimant,
APPROVAL

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

The foregoing field notes of Homestead Entry Survey No. 584

executed by Frank D. Post, Surveyor
under his special instructions, dated March 10, 1920, 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.