U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

HOMESTEAD ENTRY SURVEY NO. 593
SITUATED IN THE APACHE NATIONAL FOREST.

ADMINISTRATIVE DISTRICT NO. 3

In Section 7, un-surveyed, Township 4 N., Range 30 E.
In Section 8, un-surveyed, Township 4 N., Range 30 E.

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

Applicant for listing J. D. Ramsey
Residence Espero, Arizona
Application No. 346, dated November 13, 1914
List No. 3-3699, dated October 18, 1915

Applicant for survey James L. Taylor
Residence Espero, Arizona
H. E. No. 031354, dated February 14, 1917
Land Office Phoenix, Arizona

Survey executed by Thomas P. Ayers, Surveyor - Forest Service.

Under special instructions dated May 14, 1919.
Survey commenced June 6, 1921.
Survey completed June 7, 1921.

OATH OF ASSISTANTS

We hereby certify that we assisted Thomas F. Myers,
Surveyor - Forest Service,
[Forest Service Title]
in surveying all those parts or portions of Homestead Entry Survey No. 592, 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.

Chairman.

Chairman.

Subscribed and sworn to before me this 7th day of June 1921.

Thomas F. Myers
Surveyor - Forest Service

OATH OF SURVEYOR

1. Thomas F. Myers, 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 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. 3-3899, dated October 18, 1915, and a tract of unlisted land adjoining, upon the application of J. D. Ramsey,

Application No. 346, dated November 13, 1914, for Listing and Patent the same to be known as Homestead Entry Survey No. 592 situated within the APACHE National Forest, in un-surveyed Section 7, Township 4 N, Range 20 E., and un-surveyed Section 8, Township 4 N, Range 20 E.

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

Thomas F. Myers
Surveyor - Forest Service
[Forest Service Title]

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

Ethel A. Myers
Notary Public.

My commission expires April 12, 1926.
Chains
Applicant for listing, J. D. Ramsey; Application No. 346,
dated November 13, 1914; List No. 3-3699, dated October
18, 1915; H. E. 051854, made in the Phoenix Land Office
on February 14, 1917, by James E. Taylor.

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 No. 051854.
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. 592.

Situated in what will probably be when surveyed Secs. 7
and 8, T. 4 N., R. 50 E., Gila and Salt River Base and
Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and May 31,
1920.

Survey commenced June 6, 1921, and executed with a Buff
and Buff transit No. 10550, 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.

June 6, 1921.

At my station near Cor. No. 5 of this survey in Lat.
33°42'22" N., Long. 109°16'54" W. from Forest Service
Base Map, at 7h 12m 40s p.m. 1.m.t., I observe Polaris
with telescope direct, reading an angle of 0°24' from
star to right to reference mark about 1/2 mile distant.
Greenwich m.t. U. C. Polaris June 6, 1921, 8h 35.4m a.m.

Correct for Long. 1.2

1.m.t. U.C. Polaris June 6, 1921; 8h 34.2m a.m.

1.m.t. Oben. Polaris June 6, 1921; 7h 12.7m p.m.

Hour angle 10h 38.8m

Azimuth of Polaris 0°27.2' W.

Bearing of reference mark N. 0°03'12" W.

At the same station at 7th 14.9m p.m., I again observe Polaris with telescope reversed, reading an angle of 0°23' from star to right to same reference mark.

1.m.t. U.C. Polaris, June 6, 1921, 8h 34.2m a.m.

1.m.t. Oben. Polaris June 6, 1921, 7h 14.9m p.m.

Hour angle 10h 40.7m

Azimuth of Polaris 0°36.4' W.

Bearing of reference mark N. 0°02'24" W.

The mean bearing of reference mark is N. 0°02'18" W.

I accept bearing of reference mark as N. 0°02' W. and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

June 6, 1921.

BOUNDRIES OF CLAIM

June 7, 1921.

Beginning at Cor. No. 1.

Deposit a malpais stone 8x5x7 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24x12x6 ins., chiseled + for the point and 1 HES 593 on W. face; raise a mound of stone 2 ft. base 1-1/2 ft. high W. of Cor., whence:

A pine 24 ins. dia. bras: S. 7°08' E. 69 lks.
A pine 16 ins. dia. bras: S. 66°08' E. 31 lks.

Each blazed and scribed 1 HES 593 + BT.

U.S.I.M. 504 HES, a lava bluff 6x6x8 ft. above ground, marked + USIM 504 HES on top with mound of stone 11 ft. base 9 ft. high W. of
monument, bears N. 52°50'57" E. 54.26 chs.
by traverse which appears at the end of
these notes.

Cor. No. 1 of HES. 505, a lava stone 7x7x10
ins. above ground, marked + on top and 1 HES
505 on S. face, bears N. 57°02'05" E. 51.75
chs. by traverse which appears at the end
of these notes.

Lat. 35°42'12" N., Long. 109°16'09" W. from Forest
Service Base Map.

Mag. decl. at 8 a.m. 14°45' E. Mean Mag. decl. 14°
41' E.

Thence S. 86°10' W.

Over unlisted land through edge of pine timber and
reproduction.

To Cor. No. 2.

Deposit a malpais stone 3x4x6 ins., marked with a + 12
ins. in the ground, over which set a malpais stone
16x10x12 ins. (no longer stone available), chiseled +
for the point and 2 HES 593 on N. face; raise a mound
of stone 2 ft. base 1-1/2 ft. high N. of Cor., whence:

A pine 12 ins. dia. brs. S. 14°16' E. 44 lbrs.

A pine 26 ins. dia. brs. N. 40° E. 30 lbrs.

Each blazed and scribed 2 HES 593 + ED.

Thence N. 25°57' W.

Over gently rolling land through scattering pine and
dense reproduction.

To Cor. No. 3.

Identical with Cor. H/8 of the list survey, which is a
malpais stone 14x10x8 ins. above ground, marked and
witnessed as described by the Forest Service. I
destroy all trace of this list Cor.

Deposit a malpais stone 6x5x4 ins., marked with a +
16 ins. in the ground, over which set a malpais stone
HOMESTEAD ENTRY SURVEY NO. 593
APACHE NATIONAL FOREST
STATE OF ARIZONA

Chains

26'14"x10 ins., chiseled + for the point and 3 HES 593 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

A pine 7 ins. dia. brs. S. 44°15' W. 10 lks.
A pine 7 ins. dia. brs. N. 60°23' W. 9 lks.

Each blazed and scribed 2 HES 593 + BT.

Leave unlisted and enter listed land.

Thence N. 82°46' W.

Over rolling land through edge of pine timber and reproduction.

Fence inside of line.

30.10
Arroyo, 10 lks. wide 5 ft. deep, course N.

41.60
Arroyo, 10 lks. wide 5 ft. deep, course N.

60.96
To Cor. No. 4.

Identical with Cor. E/1 of the list survey, which is a malpais stone 14×8×6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a malpais stone 24×6×12 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24×6×12 ins., chiseled + for the point and 4 HES 593 on NE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of Cor., whence:

A pine 32 ins. dia. brs. N. 4°30' E. 57 lks.
A pine 30 ins. dia. brs. S. 77°55' E. 94 lks.

Each blazed and scribed 4 HES 593 + BT.

Thence N. 9°27' E.

Over gently rolling land through edge of pine timber.

Fence inside of line.

17.80
Road bears E. and W.

20.48
To Cor. No. 5.
Chains

Identical with Cor. II/4 of the list survey, which is a malpais stone 10x10x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a malpais stone 5x5x5 ins. marked with a + 16 ins. in the ground, over which set a malpais stone 28x14 x12 ins., chiseled + for the point and 5 HES 593 on SE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. of Cor., whence:

A pine 16 ins. dia. brs. S. $61°45' E. 27 lks.
A pine 26 ins. dia. brs. S. $65°16' W. 22 lks.
Each blazed and scribed 5 HES 593 + Br.

Cor. No. 1 of HES 573, (surveyed by me on June 2-3, 1921), a malpais stone 17x7x10 ins. above ground marked + on top and 1 HES 573 on SW. face, with mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., bears N. 39°09'19'' W. 33.95 chs. distant by traverse which appears at the end of these notes.

U.S.L.H. 616 HES (established by me on June 4, 1921), an embedded malpais boulder showing 33x26x16 ins. above ground, chiseled + for the point and U.S.L.H. 616 HES on W. face, with mound of stone 6 ft. base 8 ft. high NW. of monument, bears N. 39°31'54'' W. 95.64 chs. distant by traverse which appears at the end of these notes.

Thence S. 84°54' E.

Over gently rolling land through scattering pine.

Fence inside of line.

15.60 Road bears N. and S.

16.20 Arroyo 15 lks. wide, 3 ft. deep, course N.

Thence over rocky SW. slope.
HOMESTEAD ENTRY SURVEY NO. 593
APACHE NATIONAL FOREST
STATE OF ARIZONA

Chains

To Cor. No. 6.
Deposit a malpais stone 6\times 3\times 1 \text{ ins.} marked with a + 16 ins. in the ground, over which set a malpais stone 26\times 16\times 4 \text{ ins.}, chiseled + for the point and 6 HES 593 on S. face; raise a mound of stone 2 \text{ ft.} base 1-1/2 \text{ ft. high S. of Cor.}, whence:
- A pine 16 \text{ ins.} dia. brs. N. 20°39' W. 54 \text{ lks.}
- A pine 20 \text{ ins.} dia. brs. N. 15°38' E. 67 \text{ lks.}
- Each blazed and scribed 6 HES 593 + BT.

Cor. No. 1 of HES 504, a lava stone 12\times 6\times 10 \text{ ins. above ground, chiseled + for the point and 1 HES 504 on N. face, with mound of stone 3 \text{ ft. base 2 \text{ ft. high N. of Cor.}}, bears N. 29°25'05" W. 23.51 \text{ lks.} by traverse which appears at the end of these notes.

Thence S. 79°59' E.
- Over rolling S. slope through edge of pine and reproduction. Fence inside of line.

To Cor. No. 7.
Identical with Cor. H/3 of the list survey, which is a malpais stone 24\times 20\times 12 \text{ ins.} above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.
Deposit a malpais stone 6\times 3\times 4 \text{ ins.}, marked with a + 20 ins. in the ground, over which set a malpais stone 26\times 20\times 12 \text{ ins.}, chiseled + for the point and 7 HES 593 on SW. face; raise a mound of stone 2 \text{ ft. base 1-1/2 ft. high SW. of Cor.}, whence:
- A pine 8 \text{ ins.} dia. brs. N. 85°52' E. 13 \text{ lks.}
- A pine 8 \text{ ins.} dia. brs. S. 28°55' E. 42 \text{ lks.}
- Each blazed and scribed 7 HES 593 + BT.

Cor. of fence bears S. 7° W. 16 \text{ lks.} Fences bear S. 6°59' W. and N. 90° W.

Leave listed and enter unlisted land.
Chains

Thence S. '19°50' E.
Descend 60 ft. gradually over S. slope through pine reproduction and aspen over unlisted land.
27.00
Bottom descent. Ascend 20 ft. over gradual N. slope through scattering pine.
30.72
To Cor. No. 1, the place of beginning.

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AREA

Listed Area ------------------- 196.03 acres
Unlisted Area ------------------- 17.32 "
Total ------------------- 213.35 acres

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IMPROVEMENTS

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

A log house 21x16 ft., the long sides extending E. and W. the SE. Cor. of which bears S. 84°29' W. 19.84 chs. from Cor. No. 6.

Value ------------------- $600.00

A stone cellar 10x12 ft., the long sides extending N. and S., the SE. Cor. of which bears S. 86°20' W. 19.06 chs. from Cor. No. 6.

Value ------------------- $50.00

A log store house 18x24 ft., the long sides extending E. and W., the SE. Cor. of which bears S. 86°30' W. 18.28 chs. from Cor. No. 6.

Value ------------------- $200.00

A log granary 12x14 ft., the long sides extending N. and S., the SW. Cor. of which bears N. 88°08' W. 14.73 chs. from Cor. No. 6.

Value ------------------- $150.00
A rock chicken house 10x14 ft., the long sides extending E. and W., the SE. Cor. of which bears N. 87° 29' W.
16.18 chs. from Cor. No. 6.
Value - - - - - - - - - - - - - - - - - - - - - - - - - - - - - $ 20.00
A log barn and shelter 30x40 ft., the long sides extending E. and W., the SW. Cor. of which bears N. 88°
56' W. 14.43 chs. from Cor. No. 6.
Value - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - $400.00
About 2 miles of wire fencing.
Value - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - $250.00

DESCRIPTION

The claim is comprised mainly of a small open basin, lying at an elevation of approximately 7200 ft. The soil is a rich black loam of good depth and very fertile. About 120 acres of the area is suitable for agricultural purposes, of which about 40 acres have been under cultivation.

There is no water for irrigation and the rainfall is depended upon to grow crops.

Water for domestic use is obtained from a spring near the center of the claim.

There is no timber of commercial value on the claim. I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H.E.S. 572 lies about 1/2 mile to NW. H.E.S. 504 lies about 3/8 mile to N. H.E.S. 505 lies about 5/8 mile to E. H.E.S. 615 lies about 1 mile to NW.

Empire, Arizona, post office, is situated on the claim. Alpine, Arizona, the nearest trading point and settlement, is about 16 miles to NE. and is reached by trail.
Chains

Springerville, Arizona, the general trading point for this section of the country, lies about 37 miles to the north 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>S. 86°10' W.</td>
<td>7.97</td>
<td>.53</td>
<td>9.83</td>
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<tr>
<td>N. 23°57' W.</td>
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<td>N. 82°48' W.</td>
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<td>20.50</td>
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<tr>
<td>N. 9°27' E.</td>
<td>20.43</td>
<td>2.52</td>
<td>31.30</td>
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<tr>
<td>S. 84°54' E.</td>
<td>28.50</td>
<td>5.53</td>
<td>31.32</td>
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<tr>
<td>S. 79°59' E.</td>
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<td>S. 18°50' E.</td>
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<td>72.30</td>
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UNLISTED AREA

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<tr>
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<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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<tr>
<td>S. 18°50' E.</td>
<td>30.72</td>
<td>29.08</td>
<td>9.92</td>
<td>7.95</td>
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<tr>
<td>S. 86°10' W.</td>
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<td>N. 23°57' W.</td>
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<td>N. 9°27' E.</td>
<td>20.43</td>
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TIE COR. 6 HES. 592 TO COR. 1 HES. 504

<table>
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<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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<tbody>
<tr>
<td>N. 76°40' W.</td>
<td>10.12</td>
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<td>N. 23°57' W.</td>
<td>8.33</td>
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<td>N. 18°49' W.</td>
<td>6.36</td>
<td>2.64</td>
<td>2.64</td>
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<td>N. 4°54' E.</td>
<td>13.95</td>
<td>13.95</td>
<td>1.19</td>
<td>1.19</td>
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</tr>
</tbody>
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Resultant course N. 29°25'06" W. 33.51

TIE COR. 1 HES. 593 TO U.S.L.M. 504 HES.

<table>
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<tr>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
</tr>
</thead>
<tbody>
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<td>14.57</td>
<td>3.27</td>
<td>14.17</td>
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<tr>
<td>S. 62°41' E.</td>
<td>3.63</td>
<td>1.67</td>
<td>3.23</td>
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<tr>
<td>N. 67°46' E.</td>
<td>12.55</td>
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<tr>
<td>N. 3°15' W.</td>
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<td>7.29</td>
<td>1.27</td>
<td>16.15</td>
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<td>N. 14°40' W.</td>
<td>7.39</td>
<td>7.15</td>
<td>7.15</td>
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<tr>
<td>N. 25°45' E.</td>
<td>5.04</td>
<td>2.76</td>
<td>2.76</td>
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<tr>
<td>N. 79°13' E.</td>
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<td>16.15</td>
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<tr>
<td>N. 8°43' W.</td>
<td>6.11</td>
<td>6.04</td>
<td>6.04</td>
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Resultant course N. 52°40'57" E. 54.26
<table>
<thead>
<tr>
<th>Chains</th>
<th>TIE COR. 1 HES. 593 TO COR. 1 HES. 505</th>
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<tr>
<td>Course</td>
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<tr>
<td>N. 76°37' E.</td>
<td>14.57</td>
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<tr>
<td>S. 62°41' E.</td>
<td>3.63</td>
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<tr>
<td>N. 67°48' E.</td>
<td>12.58</td>
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<tr>
<td>N. 56°12' W.</td>
<td>7.30</td>
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<tr>
<td>N. 14°30' W.</td>
<td>7.39</td>
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<tr>
<td>N. 23°45' W.</td>
<td>5.04</td>
</tr>
<tr>
<td>N. 28°15' W.</td>
<td>1.62</td>
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</table>

Resultant course N. 57°02'05" E. 51.75.

<table>
<thead>
<tr>
<th>TIE COR. 5 HES. 593 TO COR. 1 HES. 578</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
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<tr>
<td>N. 39°25' W.</td>
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<tr>
<td>N. 56°27' W.</td>
</tr>
<tr>
<td>N. 28°09' W.</td>
</tr>
</tbody>
</table>

Resultant course N. 39°09'19" W. 32.95.

<table>
<thead>
<tr>
<th>TIE COR. 5 H.E.S. 593 TO U.S.I.M. 626 HES.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
</tr>
<tr>
<td>E. 29°09'19&quot; W.</td>
</tr>
<tr>
<td>N. 41°35' W.</td>
</tr>
<tr>
<td>N. 36°19' W.</td>
</tr>
</tbody>
</table>

Resultant course N. 39°31'54" W. 95.64.

Survey completed June 7, 1921.

Note: The tie from U.S.I.M. 504 HES. to Cor. Sec. 24 and 25 on E. boundary of T. 4 N., R. 48 E., and the tie from Cor. No. 1 of HES. 504 to U.S.I.M. 504 HES. as recorded in the field notes of HES. 504 were found to be in error by reason of ties made by me in connection with HES. 578, which ties in connection with claim lines of subsequent surveys made by me in this vicinity afford a closed traverse.

Surveyor - Forest Service.
### Tabling and Calculations of Homestead Entry Survey No. 593, State of Arizona

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<th>CORNERS.</th>
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<th>LATITUDES.</th>
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**Unlisted Area**

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**Closing error 1/240**
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, Dec. 12, 1922

The foregoing field notes of Homestead Entry Survey No.
548

executed by Thomas P. Myers, Surveyor
under his special instructions, dated May 14, 1929, 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.