FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 506

SITUATED IN THE

Apache NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 6, unsurveyed, Township 4 S., Range 32 E.

of the

Gila and Salt River Base & Meridian.

State of

Arizona.

Applicant for listing: Sylvester Phillips.
Residence: Clifton, Arizona.
Application No. 371, dated August 16, 1915.
List No. 3-3733, dated December 31, 1915.

Applicant for survey: Clarence E. Phillips.
Residence: Clifton, Arizona.
H. E. No. 932033, dated February 25, 1917.
Office: Land District, Phoenix, Arizona.

Survey executed by Lee C. Daves. Surveyor - Forest Service,
and H. F. Newman, Surveyor - Draftsman, Forest Service,
Under special instructions dated February 9, 1917.
Survey commenced March 10, 1917.
Survey completed Sept. 15, 1917.

OATH OF ASSISTANTS

We hereby certify that we assisted Lee C. Daves, Surveyor - Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 508, 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 oath to assistant; hence it was taken by the surveyor.

Subscribed and sworn to before me this eleventh day of March, 1917.

[Signature]

OATH OF SURVEYOR

I, Lee C. Daves, Surveyor - Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated February 9, 1917, 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. 3-3733, dated December 31, 1915, for Patent under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 508, situated within the Apache National Forest, in unsurveyed Section 8, Township 4 S., Range 22 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 survey.

Subscribed and sworn to before me this twenty-first day of December, 1918.

[Signature]

Notary Public,

By Commission Expires March 17, 1921.
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO.

SITUATED IN THE

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section , surveyed, Township , Range

of the

Meridian.

State of

Applicant for listing
Residence
Application No. , dated , 19
List No. , dated , 19

Applicant for survey
Residence
H. E. No. , dated , 19

Land Office

Survey executed by [Forest Service Title]
Under special instructions dated , 19
Survey commenced , 19
Survey completed , 19
Under Acts of
OATH OF ASSISTANTS

We hereby certify that we assisted

Surveyor - Draftsman, Forest Service,

in surveying all those parts or portions of Homestead Entry Survey No. 508, 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 oath to Assistant; hence it was taken by the Surveyor.

Subscribed and sworn to before me this fifteenth day of September, 1919.

[Signature]

Chairman

Surveyor - Draftsman, Forest Service,

OATH OF SURVEYOR

1. N. F. Newman, Surveyor - Draftsman, Forest Service,

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated February 9, 1917, 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. 3-3733, dated December 31, 1915, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 508, situated within the APACHE National Forest, in un surveyed Section 8, Township 4 S., Range 32 E., and -- surveyed Section --, Township --, Range --, and 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]

Subscribed and sworn to before me this 19th day of January, 1920.

[Signature]

Notary Public.

My Commission expires March 17, 1921.
Chains


Situated in what will probably be, when surveyed, Sec. 18, T. 4 S., R. 32 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.


Survey commenced March 10, 1917, and executed with a Buff and Buff transit No. 9702, 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.

March 10, 1917.

At Cor. No. 1, hereinafter described, in Lat. 33° 06' 08" N., Long. 109° 04' 18" W., from U. S. G. S. Topographic Sheet of the Morenci Quadrangle, I obs. Polaris, at 8h. 12.7m. p.m., l.m.t. at Western Elong. and mark the mean of two separate obsns. by stakes firmly set in the ground about 15 chs. Northwardly of my station.

Diff. bet. obsns. is 3/8 of an inch.
Chains

Azimuth of Polaris at Elong. is 1° 21' W.

March 10, 1917.

Lee C. Daves - Surveyor - Forest Service.

September 13, 1919.

In accordance with instructions contained in a letter from the Surveyor General for Arizona, dated March 6, 1919, I, N. F. Newman, Surveyor - Draftsman, Forest Service, together with H. H. Longfellow, Chairman, return to this claim for the purpose of tying same to the New Mexico-Arizona State boundary line.

This survey was executed with a Buff and Buff transit No. 10602, equipped with Smith solar attachment.

I test the adjustments of the transit and make the 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.

At Cor. No. 2 of this survey, hereinafter described, Lat. 33° 06' 12" N., Long. 109° 04' 08" W., from U. S. G. S. Topographic Sheet, Morenci Quadrangle, I obs. Polaris at 6h. 08.7m. p.m., l.m.t. at Eastern elong. and mark the mean of two obsns. on a stake about 10 obs. northwardly from my station.

Diff. between obsns. is 1/4 of an inch.

Azimuth of Polaris at elongation is 1° 20' 30" E.

All lines of this survey were either deflected from this meridian by sustained angulation or run on assumed bearing and later verified.

September 13, 1919.
Chains

September 14, 1919.

Beginning at the closing cor. bet. Secs. 30 and 31, T. 13 S., R. 21 W., H. M. P. M., on the New Mexico-Arizona State boundary line, which is a granite stone, showing 12 x 8 x 8 ins. above ground, chiseled G C on east face and ARIZ on west face, and properly witnessed.

Thence South,

Making careful search along line at approximate distances as scaled from U. S. G. S. sheet for boundary monuments on Arizona-New Mexico State line.

238.40 Fall 8 lms. W. of U. S. G. S. Bench Mark, shown to be approximately at point for closing cor. bet. Secs. 7 and 18, T. 14 S., R. 21 W., H. M. P. M., which is an iron post 5 ins. dia., with a brass cap mkd. 5906 ft., firmly set in solid rock. Recorded on U.S.G.S. sheet as B M 5906. (September 14, 1919)

September 16, 1919.

Continue course and distance.

430.00 Having found no trace of boundary monuments, I discontinue search for same.

Note: The Morenci Quadrangle U. S. G. S. Sheet shows no boundary monuments on the State line in this vicinity south of Boundary Monument No. 251 as having been found.

In order to make approximate connection to New Mexico-Arizona State Boundary line, I make a tie to the U. S. G. S. Bench Mark, above described.

Beginning at Cor. No. 3 of this survey, hereinafter described, which is the nearest cor. to the State line.

Thence N. 86° 13' 34" E.

By traverse which appears at the end of these notes...

To U.S.G.S Bench Mark, above described. (September 16, 1919.)

Chains

March 11, 1917.
Lee C. Daves, Surveyor - Forest Service.

BOUNDARIES OF CLAIM

Beginning at Cor. No. 1.
Identical with Cor. H-2 of the List survey, which is a limestone 14 x 10 x 5 ins. above ground, mkd. and witnessed as described by the Forest Service. I destroy all trace of this list cor.
Deposit a limestone 6 x 4 x 3 ins. mkd. with a + 14 ins. in the ground, over which set a limestone 24 x 14 x 8 ins. chiseled + for the point and 1 H E S 508 on East face; and raise a mound of stone 4 ft. base, 2 ft. high, East of cor., whence:

A live oak 6 ins. dia., brs. S. 14° 15' W., 22 lks., dist.
A live oak 8 ins. dia., brs. S. 68° 45' W., 15 lks., dist.
Each mkd. 1 H E S 508 + B T.

The U.S.L.M. 486 H.E.S. which is a limestone in place, showing 32 x 24 x 20 ins. above ground, mkd. + on top and U.S.L.M. No. 486 H.E.S on North face in North base of mound of stone 7 ft. base, 6 ft. high, brs. S. 57° 59' 36" W., 67.02 chs., dist. by traverse, which appears at the end of these notes.

Note: The corners of this claim were set and numbered before tie was run to U.S.L.M. No. 486 H.E.S., when it was found that Cor. No. 1 of this survey was not the nearest corner of the claim to the location monument.

Lat. 33° 06' 06" N., Long. 109° 04' 18" W., from U.S. G. S. Topographic Sheet of Morenci Quadrangle.

Mag. decl. at 7h. a.m. is 13° 30' E., which gives a mean mag. decl. of 13° 27' E.

From the point determined by obsn. on Polaris at W. along last night, I turn off an angle of 26° 59' to the East.
Thence N. 34° 38' E.

Along creek bottom land, through scattering oak.
Chains
timber.

6.70 Coal Creek, running water, 4 lks. wide, 6 ins. deep, course NE.

7.50 To Cor. No. 2

Identical with cor. H-3 of the list survey, which is a limestone 14 x 10 x 4 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 5 x 2 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 10 x 8 ins. chiseled + for the point and 2 H E S 508 on South face; and raise a mound of stone 4 ft. base, 2 ft. high South of cor., whence:

A live oak 6 ins. dia., bears S. 21° 40' E., 44 lks. dist.

A pine 9 ins. dia., bears S. 61° 10' W., 163 lks. dist.

Each marked 2 H E S 508 + B T.

Thence S. 11° 00' E.

Over creek bottom, through oak and pine timber.

0.50 Old channel Coal Creek (dry) 30 lks. wide, 2 ft. deep, course NE.

25.15 Cor. H-4 of the list survey, which is a limestone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service, bears E. 3 lks. dist. I destroy all trace of this list cor.

43.93 To Cor. No. 3

Identical with cor. H-5 of the list survey, which is a limestone 18 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 limestone 4 x 3 x 2 ins. marked with a +
14 ins. in the ground, over which set a sandstone
24 x 7 x 6 ins. chiseled for the point and 3 H E S
508 on North face; and raise a mound of stone 4 ft.
base, 2 ft. high North of cor., whence:
A juniper 7 ins. dia., bears N. 66° 12' E., 59
lks. dist.
A juniper 8 ins. dia., bears S. 4° 15' W., 12
lks. dist.
Each marked 3 H E S 508 + B T.
(Loc. P-3)
Thence N. 28° 20' W.

Over creek bottom, through pine timber and oak brush.

0.50 Coal Creek, running water 3 lks. wide, 5 ins. deep,
course N. 15° W.

21.05 To Cor. No. 4.

Identical with cor. H-1 of the list survey, which is
a limestone 16 x 8 x 6 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor.

Deposit a limestone 4 x 3 x 2 ins. marked with a +
14 ins. in the ground, over which set a sandstone
24 x 12 x 6 ins. chiseled for the point and 4 H E S
508 on NE. face; and raise a mound of stone 4 ft.
base, 2 ft. high NE. of cor., whence:
A pine 8 ins. dia., bears S. 1° 30' E., 39 lks.
dist.
A pine 8 ins. dia., bears N. 45° 00' W., 25 lks.
dist.
Each marked 4 H E S 508 + B T.

Thence N. 0° 58' E.

Over creek bottom land, through pine and oak timber.
ARROYO, 15 lks. wide, 6 ft. deep (dry) course NE.
ARROYO, 10 lks. wide, 3 ft. deep (dry) course East.
To Cor. No. 1 and point of beginning.

March 11, 1917.

AREA

The area of this claim is 25.50 acres

IMPROVEMENTS

There are no improvements on the claim. Entryman was camping on claim at time of survey.

DESCRIPTION

The claim is situated in the canyon of Coal Creek.
The soil is rocky and covered with boulders in places.
About an acre in the southern part of the claim is in cultivation. The balance of the land is covered with dense oak brush and some scattering pine timber.
Water is obtained for domestic purposes from Coal Creek, a running stream which flows from South to North across the land.

There is no timber of commercial value on the claim.
No indications of mineral were observed on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts nor adjoining claims. H. E. S. 486 lies about 1 mile to SW. Clifton, Arizona, the nearest railroad point, is about 18 miles to the West by trail. Mule Creek, New Mexico, the nearest post office, is about 5-1/2 miles by wagon road in a Northwesterly direction.
<table>
<thead>
<tr>
<th>Chains</th>
<th>Traverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cor.</td>
<td>Course</td>
</tr>
<tr>
<td>1-2</td>
<td>N 34° 39' E</td>
</tr>
<tr>
<td>2-3</td>
<td>S 11° 09' E</td>
</tr>
<tr>
<td>3-4</td>
<td>N 38° 30' W</td>
</tr>
<tr>
<td>4-1</td>
<td>N 0° 58' E</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td>Error in Lat. and Dep.</td>
<td>45.10</td>
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<tr>
<td>Closing error 1:4157</td>
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</tbody>
</table>

TIE to U.S.L.M. 486 H.E.S.

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist. N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<tr>
<td>S 39°17' W</td>
<td>59.50</td>
<td>54.66</td>
<td>45.06</td>
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<tr>
<td>N 55°53' W</td>
<td>25.49</td>
<td>19.03</td>
<td>15.77</td>
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<tr>
<td>Robotlog 19.03</td>
<td>54.66</td>
<td>60.83</td>
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<tr>
<td>25.49</td>
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</table>

Tie = S 57° 59' 36" W, 67.02 chs.

Survey completed September 16, 1919.

Surveyor - Forest Service

Surveyor - Draftsman, Forest Service
### Table: Tabling and Calculations of Homestead Entry Survey No. 508, State of Arizona

<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>SOUTH</th>
<th>EAST</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
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</thead>
<tbody>
<tr>
<td>1-2</td>
<td>N. 24° 38' E</td>
<td>7.50</td>
<td>6 17</td>
<td>4 26</td>
<td>4 96</td>
<td>30 60</td>
<td>763 48</td>
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<tr>
<td>2-3</td>
<td>S. 11° 09' E</td>
<td>43.91</td>
<td></td>
<td>8 50</td>
<td>17 71</td>
<td>714 63</td>
<td></td>
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<tr>
<td>3-4</td>
<td>N. 38° 30' W</td>
<td>21.08</td>
<td>16 47</td>
<td></td>
<td>13 10</td>
<td>215 63</td>
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<tr>
<td>4-1</td>
<td>N. 0° 58' E</td>
<td>20.48</td>
<td>20 48</td>
<td>35</td>
<td>35</td>
<td>7 17</td>
<td>253 40</td>
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</tbody>
</table>

Closing error: 1.469

Total area: 25.50 acres.
### TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 508, 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>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
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<tr>
<td>TIE COR. 3, 508 TO U.S.G.S. B.M. 5806</td>
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<td>N. 11-09 W.</td>
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<td>N. 52-45 E.</td>
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<td>8.27</td>
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<td>N. 27-15 E.</td>
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<td>5.78</td>
<td>3.20</td>
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<td>1.15</td>
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<td>N. 67-30 E.</td>
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<td>S. 30-30 E.</td>
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<td>S. 41-15 E.</td>
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<td>2.64</td>
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<td>S. 44-30 E.</td>
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<td>S. 11-30 W.</td>
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<td>CORNERS</td>
<td>BEARING</td>
<td>DISTANCE</td>
<td>LATITUDES</td>
<td>DEPARTURES</td>
<td>DOUBLE M. D.</td>
<td>N. AREAS</td>
<td>S. AREAS</td>
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<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
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<tr>
<td>N. 59-30 E.</td>
<td>11.83</td>
<td>6 00'</td>
<td>2 53'</td>
<td>10 19'</td>
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<tr>
<td>S. 44-30 E.</td>
<td>3.55</td>
<td></td>
<td>2 42'</td>
<td>2 49'</td>
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<tr>
<td>S. 6-45 W.</td>
<td>2.44</td>
<td></td>
<td>3 12'</td>
<td>5 76'</td>
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<tr>
<td>S. 61-30 W.</td>
<td>6.55</td>
<td></td>
<td>3 43'</td>
<td>3 18'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 2-00 W.</td>
<td>3.43</td>
<td></td>
<td>3 12'</td>
<td>2 81'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 42-00 E.</td>
<td>4.20</td>
<td></td>
<td>3 91'</td>
<td>5 19'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 53-00 E.</td>
<td>6.50</td>
<td></td>
<td>2 53'</td>
<td>3 48'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 54-00 E.</td>
<td>4.30</td>
<td></td>
<td>3 91'</td>
<td>3 34'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 40-30 E.</td>
<td>5.14</td>
<td></td>
<td>11 74'</td>
<td>3 37'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 16-00 W.</td>
<td>12.21</td>
<td></td>
<td>4 55'</td>
<td>77'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 9-32 E.</td>
<td>4.62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

|                  | 257.02  | 94.59    | 87.59     | 125.25     | 19 28       | 106 97   |

Resultant course, N. 86-13-34 E., 106.20 ch.
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 24, 1920

The foregoing field notes of Homestead Entry Survey No. 508 executed by L. C. Davis and R. F. Newman, Surveyor, under his special instructions, dated February 9, 1917, 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.

[Signature]
Frank P. Trott
U. S. Surveyor General.