U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 614

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 18, unsurveyed, Township 23 S., Range 16 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona

Applicant for listing

James C. All

Residence

Patagonia, Arizona.

Application No. 491, dated

March 16, 1917

List No. 3-4352, dated

November 6, 1918

Applicant for survey

Residence

H. E. No.

dated 19

Land District

Survey executed by A. W. Hendrix, Surveyor-Draftsman, Forest Service (Forest Service Title)

Under special instructions dated

March 6, 1920

Survey commenced

April 20, 1920

Survey completed

April 22, 1920

OATH OF ASSISTANTS

We hereby certify that we assisted A. W. Hendrix, Surveyor-Draftsman, Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 614, 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 inconvenient and expensive to appear before an officer to administer oath to Assistant; hence it was taken by the Surveyor.

Herbert Grinchville
Chairman

Subscribed and sworn to before me this 22nd day of April, 1920.

[Signature]

Surveyor-Draftsman, Forest Service

OATH OF SURVEYOR

I, A. W. Hendrix, Surveyor-Draftsman, Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated March 6, 1920, 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. 2-4352, dated Nov. 8, 1918, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 614, situated within the Coronado National Forest, in surveyed Section 18, Township 23 S., Range 18 E., and surveyed Section, Township, Range 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 survey.

[Signature]

Surveyor-Draftsman, Forest Service

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

[Signature]

Notary Public

My commission expires 7/11/1923.
Homestead Entry Survey No. 614
Coronado National Forest
State of Arizona.

Chains

Applicant for listing, James C. All; Application No. 491, dated March 16, 1917; List No. 3-4252, dated November 8, 1918.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 6, 1920, and designated as Homestead Entry Survey No. 614.

Situated in unsurveyed Sec. 18, T. 23 S., R. 16 E., Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.

Survey commenced April 20, 1920, and executed with a Buff and Buff transit No. 10802, equipped with a 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.

April 20, 1920.

At the cor. of Secs. 7, 12, 13 and 18, T. 23 S., Rgs. 17 and 18 E., hereinafter described, Lat. 31° 26' 50" N., Long. 110° 53' 50" W. from Forest Service Base Map.

At 5h. 44m. p.m., l.m.t., I observe Polaris with telescope direct, reading an angle of 24° 16' from star to right to reference mark about 1-1/2 miles distant.

Greenwich m.t. U.C. Polaris April 20, 1920 11h. 56.2m. a.m.

Correction for Long., 18

l.m.t. U.C. Polaris April 20, 1920; 11h. 57.0m. a.m.
l.m.t. obsn. Polaris "" 5h. 44.0m. p.m.

Hour angle, 6h. 07.0m.

Azimuth of star at obsn. N. 1° 19' 06" W.

Bearing of reference mark N. 22° 56' 54" E.

At the same station at 5h. 49m. p.m., l.m.t., I again
Chains

observe Polaris with telescope reversed, reading an angle of 24° 16' from star to right to same reference mark.

l.m.t. U.C. Polaris April 20, 1920 11h. 57.0m. a.m.
l.m.t. obsn. Polaris 6h. 49.0m. p.m.

Hour angle,
6h. 12.0m.

Azimuth of star at obsn. N. 1° 19' E.

Bearing of reference object N. 22° 57' E.

The mean bearing of the reference mark as determined from the two observations is N. 22° 56.57" E. I accept N. 22° 57' E. as the true bearing of reference object, and to the meridian thus determined all the courses of this survey were referred by sustained angulation.  

April 20, 1920.

April 21, 1920.  RETRACEMENT

Beginning at the cor. of Secs. 7, 12, 13 and 18, T. 23 S.
Rgs. 17 and 18 E., which is a sandstone 16 x 16 x 14 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence South,

Retracing along range line bet. Secs. 13 and 18, N/2.

40.15 Fall 1-1/2 lbs. W. of 1/4 cor. bet. Secs. 16 and 18, which is a sandstone 6 x 6 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Return course N. 0° 01' W. 40.15 chs.

April 21, 1920.  BOUNDARIES OF CLAIM

Beginning at Cor. No. 1,

Identical with the cor. of Secs. 7, 12, 13 and 18, heretofore described (which is also cor. H/6 of the list survey) (Cor. not marked for listing survey), I chisel a + on top of sec. cor. stone for true point
Chains | for cor. No. 1 of this survey, and alongside to the E.
| set a porphyry stone 8 x 10 x 20 ins. (No larger stone
| available), chiseled 1 HBS 614 on SW. face.

No witnesses available. Fits impracticable.

Lat. 31° 26' 30" N., Long. 110° 33' 50" W. from Forest
| Service Base Map.

Mag. decl. at 8 a.m. 10° 45' E. Mean mag. decl. 10° 42'E.

Thence East,

Ascend 60 ft. to cor. over rolling open land.
14.50 Enter draw, course South.
17.00 Leave draw.
26.00 Enter draw, course S. 30° W. Enter scrub oak timber.
32.00 Leave draw.
40.00 Scrub oak timber, becomes dense.
55.00 Wash in draw 20 lks. wide, course S. 15° W.
55.50 Leave draw.
60.00 To Cor. No. 2.

Identical with Cor. H/5 of list survey, which is a
rhyolite stone 4 x 6 x 10 ins. marked and witnessed
as described by the Forest Service. I destroy all
traces of this list cor.

Deposit a porphyry stone 4 x 4 x 5 ins. marked with a
+ 14 ins. in the ground, over which set a porphyry
stone 10 x 12 x 20 ins. (No larger stone available),
chiseled + on top and 2 HBS 614 on SW. face; raise a
mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor.,
whence:

An oak 10 ins. dia. bears N. 62° 30' E.
62 lks. dist.
An oak 8 ins. dia. bears N. 54° W.,
79 lks. dist.
Each blazed and scribed 2 HBS + 614 B T.

Thence S. 0° 51' W.
Descend 10 ft. to wash over rolling land, thru scrub oak timber.

4.60 Enter draw, course W.

6.30 Wash in draw, 30 lks. wide, course W. Bottom of desc. Asc. 5 ft. to cor.

10.00 To Cor. No. 3.

Identical with cor. R/4 of the list survey, a rhyolite stone 8 x 8 x 10 ins. marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a porphyry stone 4 x 4 x 4 ins. marked with a + 14 ins. in the ground over which set a porphyry stone 6 x 6 x 20 ins. (No larger stone available), chiseled on top and 5 HES 614 on NW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor., whence:

An oak 12 ins. dia. bears N. 76° 30' W.
137 lks. dist.

An oak 10 ins. dia. bears N. 88° 50' E.
47 lks. dist.

Each blazed and scribed 5 HES + 614 B T.

Thence S. 89° 57' W.

Descend 10 ft. to cor, over rolling N. slope, along S. edge of draw, thru scattered scrub oak timber.

5.20 Slope changes to W.

9.00 Enter draw, course SW.

9.90 To Cor. No. 4.

Identical with cor. R/3 of list survey, a rhyolite stone 6 x 8 x 10 ins. marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a porphyry stone 2 x 4 x 4 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 7 x 12 x 22 ins. (No larger stone available)
Chains chiseled on top and 4 HES 614 on NW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. whence:

An oak 16 ins. dia. bears N. 71° 10' E.
2.36 lks. dist.

An oak 24 ins. dia. bears S. 66° 30' W.
118 lks. dist.

Each blazed and scribed 4 HES + 614 B T.

Thence South,
Ascend 20 ft. to cor. thru scattering scrub oak timber, across draw.

3.00 Wash in draw, 10 lks. wide, course W.
3.90 Leave draw, begin steep ascent of south bank.
4.50 Top of steep ascent, thence over rolling W. slope.
6.90 Dim road, bears E. and W.
9.60 Draw, course W.
16.90 Draw course W.
17.30 Draw, course N. 60° W.
19.90 To Cor. No. 5.

Identical with Cor. H/2 of list survey, a rhyolite stone 12 x 12 x 14 ins. marked and witnessed as described by the Forest Service, I destroy all trace of this list cor.

Deposit a porphyry stone 4 x 4 x 5 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 8 x 10 x 22 ins. (No larger stone available) chiseled on top and 5 HES 614 on NW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor., whence:

An oak 10 ins. dia. bears N. 7° 20' E.
1.17 lks. dist.

An oak 10 ins. dia. bears N. 62° 15' W.
1.70 lks. dist.

Each blazed and scribed 5 HES + 614 B T.

April 21, 1930.
<table>
<thead>
<tr>
<th>Chains</th>
<th>April 22, 1920.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thence West:</td>
<td>Descent 40 ft. to cor. over rolling NW. slope, thru scattering scrub oak timber.</td>
</tr>
<tr>
<td>0.50 Draw, course N. 20° E.</td>
<td></td>
</tr>
<tr>
<td>2.25 Draw, course N.</td>
<td></td>
</tr>
<tr>
<td>22.60 Wire fence, bears N. and S.</td>
<td></td>
</tr>
<tr>
<td>28.00 Draw, course N.</td>
<td></td>
</tr>
<tr>
<td>36.00 Draw, course N.</td>
<td></td>
</tr>
<tr>
<td>49.97 To Cor. No. 6 and closing corner on line bet. Secs. 13 and 18, deposit a porphyry stone 1 x 2 x 3 ins. marked with a + 12 ins. in the ground, over which set a porphyry stone 4 x 10 x 20 ins. (No larger stone available), chiseled on top, 6 HES 614 on NE. and C C on E. faces; raise a mound of stone 2 ft. base, 1-1/2 ft. high on closing line E. of cor., whence:</td>
<td></td>
</tr>
<tr>
<td>An oak 6 ins. dia. bears N. 29° 15' E. 126 lks. dist.</td>
<td></td>
</tr>
<tr>
<td>An oak 6 ins. dia. bears S. 84° 35' E. 256 lks. dist.</td>
<td></td>
</tr>
<tr>
<td>Each blazed and scribed C C 6 HES + 614 B T.</td>
<td></td>
</tr>
<tr>
<td>The 1/2 cor. bet. Secs. 13 and 18, heretofore described, bears S. 0° 01' E. 10.15 chs. dist.</td>
<td></td>
</tr>
<tr>
<td>The cor. of secs. 7, 12, 15 and 18, heretofore described, bears N. 0° 01' W. 30.00 chs. dist.</td>
<td></td>
</tr>
<tr>
<td>Cor. E/1 of the list survey, a rhyolite stone 8 x 10 x 12 ins., marked and witnessed as described by the Forest Service, bears N. 85° E. 10 lks. dist. I destroy all trace of this list cor.</td>
<td></td>
</tr>
</tbody>
</table>

Thence N. 0° 01' W. |

Along range line bet. Secs. 13 and 18, descend 45 ft. to wash in draw, over rolling NW. slope, thru scattering scrub oak timber.
Chains
 8.00 Slope changes to N.
10.30 Enter draw, course W. Leave timber, thence over open
     bottom land.
15.00 Wash in draw, 100 lks. wide, course W. Bottom of desc.
     Ascend 15 ft. to cor. over bottom land.
16.00 Wash in draw, 10 lks. wide, course W.
22.50 Dim road, bears E. and W.
28.00 Wire fence bears E. and W. Leave draw.
30.00 To cor. No. 1 and place of beginning.

AREA
Total area of claim — — — — — — — — 159.91 Acres

IMPROVEMENTS
There are no improvements on place belonging to claimant.

DESCRIPTION
The claim lies in a rolling country traversed by one
large draw, varying from 5 to 15 chs. in width. Most
of the land in this draw can be cultivated. There are
several other small shallow draws, also containing
agricultural land — approximately 60 acres in all. The
rest of the claim is rolling mesa land, very little of
which can be used for anything except pasture.
Approximately half of the claim is covered with a fair
stand of scrub oak timber suitable for fire wood.
There is no water on claim nor any to be obtained for
irrigation.
The claim was unoccupied at time of survey.
I saw no evidence of mineral on claim.

CONFLICTS AND ADJOINING CLAIMS
There are no conflicts or adjoining claims.
Patagonia, Arizona, the nearest railroad point on the
### Traverse

<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>East</td>
<td>60.00</td>
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<td></td>
<td></td>
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<tr>
<td>S. 0° 51' W. 10.08</td>
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<td>10.08</td>
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<td>S. 89° 57' W. 9.90</td>
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<td>.01</td>
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<td></td>
<td>9.90</td>
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<tr>
<td>South</td>
<td>19.90</td>
<td></td>
<td></td>
<td>19.90</td>
<td></td>
</tr>
<tr>
<td>West</td>
<td>49.97</td>
<td></td>
<td></td>
<td></td>
<td>49.97</td>
</tr>
<tr>
<td>0° 01' W. 30.00</td>
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<td>30.00</td>
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179.85  20.00  29.99  60.00  60.03
29.99   60.00
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Error in Lat. and Dep. : .01
Closing error 1/1000

Survey completed April 22, 1920.

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Surveyor - Draftsman
Forest Service
**TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 614, STATE OF ARIZONA (Coronado)**

<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>
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<tr>
<td>1-2</td>
<td>East</td>
<td>60.00</td>
<td>60.00</td>
<td>60.00</td>
<td>60.02</td>
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<tr>
<td>2-3</td>
<td>S. 0-51 W.</td>
<td>10.08</td>
<td>10.08</td>
<td>9.90</td>
<td>10.99</td>
<td>119.99</td>
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<tr>
<td>3-4</td>
<td>S. 89-57 W.</td>
<td>9.90</td>
<td>0.01</td>
<td>9.90</td>
<td>10.94</td>
<td>109.64</td>
<td>110.10</td>
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<tr>
<td>4-5</td>
<td>South</td>
<td>19.90</td>
<td>19.90</td>
<td></td>
<td></td>
<td></td>
<td>1988.61</td>
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<tr>
<td>5-6</td>
<td>West</td>
<td>42.97</td>
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<td></td>
<td></td>
<td>49.97</td>
<td>49.98</td>
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<tr>
<td>6-1</td>
<td>N. 0-01 W.</td>
<td>30.00</td>
<td>30.00</td>
<td>29.99</td>
<td>30.03</td>
<td>60.03</td>
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<td>Error in lat. and dep.</td>
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<td>Closing error</td>
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<td>03.00</td>
<td>03.00</td>
<td>03.00</td>
</tr>
</tbody>
</table>

**Total Acres:** 159 1/84 Acres

**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 figure or 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. The corrections for balancing fillings should be proportional to the lengths of the lines. In calculations of fillings 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.
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, Dec. 28, 1920

The foregoing field notes of Homestead Entry Survey No. 614

executed by A. H. Hendrix, Surveyor, Draftsman under his special instructions, dated March 6, 1920, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Trott
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.