U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 4615

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 30, unsurveyed, Township 19 S., Range 29 E.
(Partly surveyed and accepted)

of the
Gila & Salt River Base and Meridian.
State of
Arizona

Applicant for listing
Onie F. Hicks
Residence
Rucker, Arizona.

Application No. 158, dated
List No. 3-3781, dated
March 8, 1916
March 30, 1916

Applicant for survey
Onie F. Hicks
Residence
Rucker, Arizona.

H. E. No. CGC347, dated
August 21, 1916

Survey executed by A. W. Hendrix, Surveyor-Draftsman, Forest Service
[Forest Service Seal]

Under special instructions dated
April 5, 1920

Survey commenced
April 16, 1920

Survey completed
April 18, 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. 615, 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 R. MINDELL
Chairman

Subscribed and sworn to before me this 18th day of April 1920.

A. W. Hendrix
Surveyor-Draftsman

OATH OF SURVEYOR

I, A. W. Hendrix, Surveyor-Draftsman, 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 April 5, 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. 3-3781 dated March 30, 1916, for Patent under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 615, situated within the Coronado National Forest, in unsurveyed Section 30 Township 19 S., Range 29 E., and surveyed Section Township Range 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.

A. W. Hendrix
Surveyor-Draftsman

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

A. W. Hendrix
Notary Public

My commission expires Feb. 11, 1928.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 5, 1920, and designated as Homestead Entry Survey No. 615.

The portion of this homestead located in the 3/2 of Sec. 30, unsurveyed, was erroneously listed by legal subdivisions description. A metes and bounds survey was therefore necessary. The survey embraces all the land intended to be included in the original listing, and will be used as a basis for substitute listing.

Situated in unsurveyed portion Sec. 30, T. 19 S., R. 29 E. (partly surveyed and accepted), Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.


Survey commenced April 16, 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 16, 1920.

At the 1/4 cor. bet. Secs. 25 and 30, T. 19 S., Rgs. 28 and 29 E., hereinafter described, in Lat. 31° 45' N., Long. 109° 25' 50" W. from Forest Service Base Map, at 6h. 52m. p.m., I observe Polaris with telescope direct, reading an angle of 35° 23' from star to right to a reference mark about 3/4 mile dist.

Greenwich m.t. U.C. Polaris April 16, 1920, 11h. 52.9m. a.m.

Correction for Long.,

1.2

l.m.t. U.C. Polaris April 16, 1920, 11h. 52.7m. a.m.

l.m.t. obsn. Polaris " " 5h. 52.0m. p.m.
HOMESTEAD ENTRY SURVEY NO. 615.
CORONADO NATIONAL FOREST
STATE OF ARIZONA.

Chains

Hour angle, 5h. 59.2m.

Azimuth of Polaris at obsn., N. 1° 19' 12" W.

Bearing of reference object, N. 34° 02' 54" E.

At the same station at 5h. 57m. p.m., l.m.t. I again observe Polaris with telescope reversed, reading an angle of 35° 22' from star to right to same reference mark.

l.m.t. U.C. Polaris April 16, 1920, 11h. 52.7m. a.m.

l.m.t. obsn. Polaris " " 5h. 57.0m. p.m.

Hour angle, 6h. 04.3m.

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

Bearing of reference object N. 34° 02' 54" E.

The mean bearing of the reference mark as determined from the two observations is N. 34° 03' 21" E. I accept N. 34° 02' 54" E. as the bearing of reference object, and to the meridian thus determined all courses of this survey were referred by sustained angulation.

April 16, 1920.

April 17, 1920.

RETRACEMENT

Beginning at the 1/4 cor. on Range line bet. Secs. 25 and 30, T. 19 S., Rgs. 28 and 29 E., G. & S. R. B. & M., which is a sandstone 6 x 7 x 7 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 0° 01' W.

On true line bet. Secs. 25 and 30, S/2, to flag on cor. of Secs. 25, 30, 31 and 36, which is plainly visible.

39.99

The cor. of Secs. 25, 30, 31 and 36, which is a volcanic stone, (Recorded by Surveyor General as cement rock), 8 x 8 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

SUBDIVISIONAL LINE

From 1/4 cor. bet. Secs. 25 and 30 heretofore described,

Thence East,

On random latitudinal 1/4 sec. line through center of Sec. 20.
HOMESTEAD ENTRY SURVEY NO.616.
CROWNADO NATIONAL FOREST
STATE OF ARIZONA.

Chains 78.80
Fall 21 lbs. N. of 1/4 cor. bet. Secs. 29 and 30, which is a volcanic stone 6 x 6 x 4 ins. above ground, marked and witnessed as described by the Surveyor General.
Return course N. 89° 51' W. 78.80.

BOUNDARIES OF CLAIM.
Beginning at cor. No. 1,
Identical with 1/4 cor. bet. Secs. 25 and 30, herefore described, I chiseled on top of 1/4 cor. stone as true point for cor. No. 1 of this survey, and alongside to the E. set a porphyry stone 4 x 8 x 18 ins. (No longer stone available), 12 ins. in the ground, chiseled 1 HBS 516 on SW face.
No witnesses available.
Lat. 21° 45' N., Long. 109° 25' 50" W. from Forest Service Base Map.
Mag. decl. at 8 a.m. 11° 15' E., mean mag. decl. 11° 12' E.
Thence S. 89° 51' E.
On latitudinal 1/4 sec. line through Sec. 20. Asc. 25 ft. to cor. over gently rolling open land.

0.45 Wire fence, bears N. and S.
0.60 Draw, course SW.
1.55 Irrigation ditch 4 lbs. wide, no water in same, course SW.
15.00 To Cor. No. 2,
Deposit a porphyry stone 2 x 4 x 4 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 6 x 8 x 20 ins. (No longer stone available) chiseled + on top and 2 HBS 615 on SW face; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor.
No witnesses available. Pits impracticable.

Thence South,
Ascend 30 ft. over gently rolling open W. slope.
7.00 Draw, course SW.
20.00 To Cor. No. 3.
HOMESTEAD ENTRY SURVEY NO. 615.
CORONADO NATIONAL FOREST
STATE OF ARIZONA

Chains
Deposit a porphyry stone 4 x 6 x 6 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 3 HES 615 on NW. face; raise a mound of
stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence:
An oak 6 ins. dia. bears N. 7° 40' E.
11 lks. dist.
A juniper 10 ins. dia. bears N. 17° 30' E.
110 lks. dist.
Each blazed and scribed 3 HES 615 B T.

Thence S. 89° 56' W.
Descend 25 ft. to cor. over rocky SW. slope, thru dense
scrub oak and juniper.

5.00 To Cor. No. 4,
Deposit a porphyry stone 3 x 5 x 6 ins. marked with a +
16 ins. in the ground, over which set a porphyry stone
10 x 14 x 24 ins. chiseled + on top and 4 HES 615 on
NW. face; raise a mound of stones 2 ft. base, 1-1/2 ft.
high NW. of cor., whence:
A juniper 10 ins. dia. bears S. 88° 30' W.
18 lks. dist.
An oak 10 ins. dia. bears N. 8° 20' E.
35 lks. dist.
Each blazed and scribed 4 HES 615 B T.

April 17, 1920.

April 19, 1920.
Thence South,
Ascend 10' ft. to cor. over rolling rocky W. slope, thru
dense scrub oak and juniper.

4.00 Wash 10 lks. wide, course N. 60° W.

10.00 To Cor. No. 5.
Deposit a porphyry stone 2 x 4 x 4 ins. marked with a +
6 ins. in the ground on solid rock, over which set a
porphyry stone 10 x 14 x 24 ins. chiseled + on top and
5 HES 615 on NW. face, surrounded by a mound of stone
2 ft. base, 12 ins. high; raise a mound of stone 2 ft.
base, 1-1/2 ft. high NW. of cor., whence:
A juniper 12 ins. dia. bears N. 43° 10' W.
75 lks. dist.
A pinon 6 ins. dia. bears S. 21° 40' W.
47 lks. dist.
Each blazed and scribed 5 HES 615 B T.

Thence N. 89° 42' W.
Descend 20 ft. to cor. over rolling rocky W. slope,
 thru oak and juniper.

10.01
To Cor. No. 6, and closing corner on line bet. Secs. 25
 and 30.
Deposit a porphyry stone 4 x 4 x 4 ins. marked with a
+ 16 ins. in the ground, over which set a porphyry
stone 8 x 14 x 24 ins. chiseled + on top, 6 HES 615
on NE. and CC on E. faces; raise a mound of stone
2 ft. base, 1-1/2 ft. high on closing line S. 89° 42'E.
of cor. whence:

An oak 12 ins. dia. bears S. 24° 00' E.
5 lks. dist.
An oak 10 ins. dia. bears S. 27° 45' W.
58 lks. dist.
Each blazed and scribed 0 0 6 HES 615 B T.
The cor. of Secs. 25, 30, 21 and 36 heretofore
described, bears S. 0° 01' W. 10.00 chs. dist.
The 1/4 cor. bet. Secs. 25 and 30, heretofore
described, bears N. 0° 01' E. 29.99 chs. dist.

Thence N. 0° 01' E.
Along range line bet. Secs. 25 and 30.
Descend 10 ft. to cor. over gently rolling W. slope,
 thru scrub oak.

6.40
Draw, course W.
Chains
8.00 Leave scrub oak, thence over open rolling W. slope.
21.50 Draw, course W.
25.00 Wire fence, bears N. 15° 00' E. and S. 15° 00' W.
28.50 Irrigation ditch (dry) 3 lks. wide, course S. 60° W.
29.00 Draw, course S. 60° W.
29.99 To Cor. No. 1 and place of beginning.

AREA
Total Area of claim = 40.02 Acres

IMPROVEMENTS
The claimant's residence and other improvements made for the benefit of this entry are located upon the legal subdivisional portion of the entry, which adjoins this survey on the North.

DESCRIPTION
This claim is located in a rolling country in the foothills of the mountains. There are about 25 acres of open land suitable for cultivation and about 15 acres of rough rocky land covered with scrub oak and juniper suitable for pasture only. The timber is suitable only for firewood and for fence posts. About 10 acres of arable land can be irrigated from Rucker Canyon. None of the area was under cultivation at the time of survey.

I saw no evidence of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS
There are no conflicts. This claim is adjoined on the North by legal subdivisional portion of claimant's entry No. 020647.

Rucker, Arizona, the nearest post office, is about 2 miles in a southwesterly direction and is reached by a good wagon road.
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<thead>
<tr>
<th>Chains</th>
<th>TRAVERSE</th>
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<tr>
<td>Course</td>
<td>Dist.</td>
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<td>South</td>
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<tr>
<td>S. 89° 58' W</td>
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<tr>
<td>South</td>
<td>10.00</td>
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<td>N. 89° 42' W</td>
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<td>N. 0° 01' E</td>
<td>29.99</td>
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Survey completed April 18, 1920.

[Signature]
Surveyor-Draftsman

Forest Service
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### TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 615, STATE OF Arizona (Cornado)

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<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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<td>North</td>
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<td>East</td>
<td>West</td>
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<td>1-2</td>
<td>S. 89-51 E.</td>
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<td>3-4</td>
<td>S. 89-50 W.</td>
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<td>5-6</td>
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<td>6-1</td>
<td>N. 6-61 E.</td>
<td>25.09</td>
<td>89 99</td>
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<td>801 20</td>
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**Total Acres:** 40 02
APPROVAL

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

The foregoing field notes of Homestead Entry Survey No.

615

executed by A. H. Hendrix, Surveyor-Draftsman
under his special instructions, dated April 5, 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.