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Form 85
Sheet No. 1
(Revised July 1, 1914.)

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 615

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 30 , un surveyed, 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 | March 8 , 19 16 |
| List No. 3-3781 , dated | March 30 , 19 16 |

| | |
|--|-------------------|
| Applicant for survey | Onie F. Hicks |
| Residence | Rucker, Arizona. |
| H. E. No. 030847 , dated | August 21 , 19 16 |
| Office Land District- Phoenix, Arizona. | |

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

| | | |
|----------------------------------|----------|---------|
| Under special instructions dated | April 5 | , 19 20 |
| Survey commenced | April 16 | , 19 20 |
| Survey completed | April 18 | , 19 20 |

Under Acts of June 11, 1906 and July 24, 1919.

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OATH OF ASSISTANTS

We hereby certify that we assisted **A. W. Hendrix,**
Surveyor-Draftsman, Forest Service, in surveying all those
[Forest Service Title.]

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 estab-
lished, 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 ad-
minister oath to Assistant; hence
it was taken by the Surveyor.**

Herbert Prindmille

Chairman

Subscribed and sworn to before me this **18th** day of
April, 19 **20**.

W. J. Lindsay

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 instruc-
tions of the United States Surveyor General for **Arizona**, dated
April 5, 19 **20**, 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**, 19**16**, for
Patent, under the Act of **June 11**, 19**06**,
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.

W. J. Lindsay

Surveyor-Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this **9th** day of
October, 19 **20**.

Sam. R. Holdeman

Notary Public



8-2349

My commission expires **Feb 11 1923**

HOMESTEAD ENTRY SURVEY NO. 615

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains Applicant for listing, Onie F. Hicks; Application No. 158, dated March 8, 1916; List No. 3-3781, dated March 30, 1916. H. E. No. 030847, made in the Phoenix Land Office on August 21, 1916, by Onie F. Hicks.

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 S/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. Surveyed under Acts of June 11, 1906 and July 24, 1919.

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 5h. 52m. p.m., l.m.t., 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. 53.9m. 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.

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Hour angle, 5h. 59.3m.

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

Bearing of reference object, N. 34° 03' 48" E.

At the same station at 5h. 57m. p.m., l.m.t. I again observe Polaris with telescope reversed, reading an angle of 55° 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° 03' 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. 30.

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Chains
78.80

Fall 21 lks. 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, heretofore described, I chisel + 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 HES 516 on SE. face.

No witnesses available.

Lat. 31° 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. 30. 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 lks. 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 HES 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.

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° 58' 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. 38° 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 18, 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

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Chains

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.
78 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. 37° 45' W.
58 lks. dist.

Each blazed and scribed C C 6 HES 615 B T.

The cor. of Secs. 25, 30, 31 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.

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| | |
|--------|--|
| Chains | |
| 8.00 | Leave scrub oak, thence over open rolling W. slope. |
| 21.50 | Draw, course W. |
| 23.00 | 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 subdivision portion of claimant's entry No. 030847.

Rucker, Arizona, the nearest post office, is about 2 miles in a southwesterly direction and is reached by a good wagon road.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

TRAVERSE

| Course | Dist. | N. | S. | E. | W. |
|---------------|---------|-------|-------|-------|-------|
| S. 89° 51' E. | 15.00 ✓ | | .04 | 15.00 | |
| South | 20.00 ✓ | | 20.00 | | |
| S. 89° 58' W. | 5.00 ✓ | | | | 5.00 |
| South | 10.00 ✓ | | 10.00 | | |
| N. 89° 42' W. | 10.01 ✓ | .05 | | | 10.01 |
| N. 0° 01' E. | 29.99 ✓ | 29.99 | | .01 | |
| | 90.00 ✓ | 30.04 | 30.04 | 15.01 | 15.01 |

Closing error - None.

Survey completed April 18, 1920.

W. J. Lindsey
Surveyor-Draftsman

Forest Service

- 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.
 The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of fallings 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. L. O.
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

8-2349 **TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 615, STATE OF Arizona (Cornado)**

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|----------|-----------------|-----------|------------|---------|-------------|---------|--------------|-----------|----------------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | |
| 1-2 | S. 89-51 E. | 15.00 ✓ | | 04 ✓ | 15 00 ✓ | | 15 02 ✓ | | 60 ✓ |
| 2-3 | South | 20.00 ✓ | | 20 00 ✓ | | | 30 02 ✓ | | 600 40 ✓ |
| 3-4 | S. 89-58 W. | 5.00 ✓ | | | | 5 00 ✓ | 25 02 ✓ | | |
| 4-5 | South | 10.00 ✓ | | 10 00 ✓ | | | 20 02 ✓ | | 200 20 ✓ |
| 5-6 | N. 89-42 W. | 10.01 ✓ | 05 ✓ | | | 10 01 ✓ | 10 01 ✓ | 50 ✓ | |
| 6-1 | N. 0-01 E. | 29.99 ✓ | 29 99 ✓ | | 01 ✓ | | 01 ✓ | 30 ✓ | |
| | | 90.00 ✓ | 30 04 ✓ | 30 04 ✓ | 15 01 | 15 01 ✓ | | 80 ✓ | 801 20 ✓ |
| | Closing error : | None. | | | | | | | 80 |
| | | | | | | | | 20/ | 800 40 |
| | | | | | | | | | 40 02 Acres ET |

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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*
[Forest Service Title]
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.