U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 448

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 12, unsurveyed, Township 2 N., Range 12 E.

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

Applicant for listing Mrs. E. A. Hocker
Residence Kirby, Arizona
Application No. 69, dated March 25, 1909
List No. 3-20, dated June 23, 1909

Applicant for survey Harry A. State
Residence Kirby, Arizona
H. E. No. 026309, dated December 31, 1914
Office
Land District Phoenix, Arizona.

Survey executed by R. P. A. Johnson, Surveyor-Draftsman
Under special instructions dated February 14, 1916
Survey commenced April 12, 1916
Survey completed April 14, 1916

OATH OF ASSISTANTS

We hereby certify that we assisted R.L. Johnson, Surveyor Draftsman, in surveying all those parts or portions of Homestead Entry Survey No. 448, 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.

Subscribed and sworn to before me this twenty-seventh day of May, 1916.

R.L. Johnson
Surveyor Draftsman

Chairman

Chairman

OATH OF SURVEYOR

I, R.L. Johnson, Surveyor Draftsman, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated January 14, 1916, 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

Lot No. 3, 210, dated June 29, 1909, for
under the Act of June 11, 1906, situated within the

National Forest, in
unsurveyed Section 12, Township 2N, Range 12E, and

surveyed Section ---, Township ---, Range ---

of the

E. 1/2 T. 21 N., R. 12 E., 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.

R.L. Johnson
Surveyor Draftsman

Subscribed and sworn to before me this 23rd day of January, 1917.

Sylvester F. W. Larson
NOTARY PUBLIC, D.C.
Chains
Applicant for listing, Mrs. E. A. Hooker; Application No. 69, dated March 25, 1909; List No. 3-210, dated June 23, 1909; H. E. 026389 made in the Phoenix Land Office on December 31, 1914 by Harry A. Shute.
Surveyed under special instructions from the Surveyor General for Arizona, dated February 14, 1916 and designated as Homestead Entry Survey No. 448.

Survey commenced April 12, 1916 and executed with a Buff and Buff transit, 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.

April 12, 1916.
At 6h. 02m. p.m. l.m.t. I obs. Pol. at W. along at Cor. No. 1, hereinafter described, with telescope direct and reversed. The reading on the reference object is set at zero; my watch is set for local mean time.
The mean horizontal angle is 36° 02' E. of star. The azimuth of Polaris is 1° 22' 06" to W. Reference object therefore bears N. 34° 39' 54" E.
Lat. 33° 32' N., Long. 111° 04' 30" W. from Roosevelt Quadrangle Sheet of U. S. G. S.
Chains

April 13, 1916.
At 8h. 30m. a.m. l.m.t., I set off 23° 32' on lat.
arc 9° 06' N. on decl. arc and determine a meridian
with the solar at Cor. No. 1 hereinafter described.
The reference object used in last night's Polaris
observation bears N. 34° 39' E.

There being no corner of public land survey or U.S.L.M.
within two miles; I establish U.S.L.M. No. 446 H.E.S.
on point of hill on top 12 ft. cliff, approximately
4 chs. East and 100 ft. above Campaign Creek.
Identical with U.S.L.M. No. 59 (rejected survey)
which is a granite boulder 3 x 3 x 8 ft. on rock
cliff marked and witnessed as described by Surveyor
General. I destroy all trace of this rejected
U.S.L.M. and chisel same stone U S L M No 446 H E S
on N. face and use large nail in apex of stone for
the point, and raise a mound of stone 6 ft. base,
4 ft. high along side, whence:

+ A on a granite boulder 18 x 5 x 5 ft.
above ground bears N. 62° 14' E. 42 lks.
dist., chiseled B R - U S L M No 446 H E S.
A juniper 9 ins. dia. bears S. 54° 13' E.
34 lks. dist., scribed U S L M No 446
H E S + P T.

East end Lookout Mountain, known locally and
on Forest Service maps as Greenback Peak,
bears N. 0° 04' W. approximately 24 miles.
West end Lookout Mountain bears N. 0° 21' W.
approximately 24 miles.
Southeast end Armer Mountain bears N. 13° 48' E.
approximately 19 miles.
Northwest end Armer Mountain bears N. 8° 38' E.
approximately 20 miles.
CHAINS

NW. end Baker Mountain bears N. 18° 02' E. approximately 24 miles.

Aztec Peak bears N. 24° 31' E. approximately 21 miles.

Junction of forks Campaign Creek bears S. 45° 48' W. approximately 1 mile.

cor. No. 1 H.E.S. 448 hereinafter described bears N. 9° 08' E. 4.03 chs. dist. by direct measurement.

Beginning at Cor. No. 1

Identical with Cor. H-1 of the list survey, which is an imbedded granite boulder 4 x 2 x 2 ft. above ground, marked and witnessed as described by the Forest Service. This is also marked and witnessed for Cor. No. 1 H.E.S. 59. I destroy all trace of list and rejected survey cor. and mark same stone with a + for point and 1-H E S 448 on SW. face; raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:

An oak 8 ins. dia. bears N. 31° 04' E. 32 lks. dist., scribed 1 H.E.S. 448 + B.T.

A willow 10 ins. dia. bears S. 83° 55' E. 75 lks. dist., scribed 1 H.E.S. 448 + B.T.

U.S.L.S. No. 448 H.E.S. heretofore described, bears S. 9° 08' W. 4.03 chs. dist.

Lat. 33° 32' N., Long. 111° 04' 30" W. from Roosevelt Quadrangle Sheet of U. S. G. S.

Mag. Var. at 8 a.m. 13° 30' E.

Mean Mag. Var. 13° 27' E.

Thence S. 31° 37' W.

Ascent 40 ft. along rocky NW. slope in brush.

3.60 Top ascent. Descend 30 ft. in brush along rocky NW. slope to ravine.

7.75 Ravine 30 ft. deep, 5 lks. wide, course NW. Ascend
Chains 50 ft. along rocky NW. slope in brush to cor.

17.29 Cor. No. 2.

Identical with Cor. H-5 of the list survey, which is a granite outcrop 3 x 5 x 8 ft. above ground, marked and witnessed as described by the Forest Service.

This stone is also marked and witnessed for Cor. No. 5 H.E.'s. No. 59 rejected survey. I destroy all trace of list and rejected survey cor. and mark same stone with a + for point and 2 H E S 448 on W. face; raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence:

A juniper 12 ins. dia. bears S. 70° 30' E.

34 lbs. dist., scribed 2 H E S 448 + B T.

No other witnesses available. Fits impracticable.

Rain noon, no lat. observation possible. No work in p.m.

April 13, 1916.

April 14, 1916.

Rain in a.m. and at noon; no lat. observation possible.

Thence S. 46° 42' W.

Descend 10 ft. along NW. slope in brush.

5.56 Fence bears NE. and SW. Ascend 20 ft. to cor. along brushy NW. slope.

11.89 Cor. No. 3.

Identical with Cor. H-4 of the list survey, which is a granite stone 22 x 12 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark same stone with a + on top and 3-H E S 448 on N. face for cor. No. 3 of this survey; raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., whence:
HOMESTEAD ENTRY SURVEY NO. 448
CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains

A + on a granite boulder 6 x 4 x 4 ft. above ground, chiseled B H-3-H E 3 448 bears N. 1° 47' E. 100 lks. dist.

A + on a limestone 4 x 3 x 3 ft. above ground, chiseled B H-3-H E 3 448 bears S. 63° 14' E. 64 lks. dist.

This cor. was not marked for Cor. No. 4 H.E. S. 59.

Thence N. 50° 05' W.

Descend brushy NW. slope 50 ft. to cor.

2.50 Irrigation Ditch 5 lks. wide, 6 ins. deep, course NE.

3.00 East bank Campaign Creek, 8 ft. high bears NE. Ascend 10 ft. to cor.

3.70 West bank Campaign Creek 5 ft. high bears NE.

4.12 Cor. No. 4.

Identical with Cor. H-2 of the list survey, which is an imbedded granite stone 16 x 10 x 10 ins. above ground, marked and witnessed as described by the Forest Service. This stone is also marked and witnessed for Cor. No. 3 H.E.S. No. 59 (rejected survey). I destroy all trace of list and rejected survey cor. and mark same stone with + for point and 4-H E S 448 on N. face; raise a mound of stone 4 ft. base, 3 ft. high E. of cor., whence:

An oak 8 ins. dia. bears S. 2° 28' W. 39 lks. dist., scribed 4 H E S 448 + B T.

A mesquite 6 ins. dia. bears N. 57° 05' E.

80 lks. dist., scribed 4 H E S 448 + B T.

Thence N. 40° 39' E.

Descend 20 ft. along creek.

5.00 West bank Campaign Creek 6 ft. high bears NNE. Thence up creek bed.

16.20 West bank Campaign Creek 6 ft. high bears NE. Ascend 20 ft. in brush to point of ridge.
Homestead Entry Survey No. 448
Cрок National Forest
State of Arizona

Chains
21.00
27.08

Top ascent. Descend 60 ft. in brush to cor.

Cor. No. 5.

Identical with Cor. H-2 of the list survey, which

is an imbedded conglomerate stone 18 x 16 x 24 ins.

above ground, marked and witnessed as described by

the Forest Service. This stone is also marked and

witnessed for Cor. No. 2 H.E.S. No. 59 (rejected

survey). I destroy all trace of list and rejected

survey corners and mark same stone with a * for point

and 5-H E S 448 on S. face, raise a mound of stone

3 ft. base, 2 ft. high S. of cor., whence:

A mesquite 6 ins. dia. bears N. 58° 18' W.

39 lks. dist., scribed 5 H E S 448 + B T.

A cottonwood 20 ins. dia. bears S. 14° 09' E.

11 lks. dist., scribed 5 H E S 448 + B T.

At 4th. 10m. p.m. I left, I set off 35° 32-1/2' on lat.

arc 9° 35' N. on decl. arc and determine a meridian

with the solar.

Thence S. 84° 45' E.

.20 West bank Campaign Creek 5 ft. high bears NE.

1.17 East bank Campaign Creek 8 ft. high bears NE.

3.27 Cor. No. 1, the place of beginning.

Area
Total Area - - - - - - - - - - - - - - 12.23 Acres

Improvements

The improvements made upon and for the benefit of this

claim and belonging to the claimant consist of the

following:

A T shaped log dwelling 24 x 16 ft. with 24 x 18 ft. T.

the SE. cor. of which bears N. 33° 16' W. 86 lks.

dist. from Cor. No. 2.

Value - - - - - - - - - - - - - $125.00
Homestead Entry Survey No. 448
Crook National Forest
State of Arizona

Chains
Approximately 1/2 mile of fencing.
Value ---------------- ------------ $50.00
Approximately 3-1/2 acres in cultivation, 2 acres of
which is covered by good bearing orchard.

Description
This claim is situated on Campaign Creek in bottom of
deep rocky canyon at an elevation of approximately
3400 ft. The general slope of land is to the North
with steep, high, brushy canyon walls to NW. and SE.
The Western portion of claim is level bottom land.
The Eastern boundary extends from 1 to 3 chains on
NW. slope.
Timber consists of mesquite and oak brush on slopes
and cottonwood and sycamore along creek. There is
no merchantable timber.
The soil in bottom land is rich black loam alluvial
deposit and produces good crops. Hillsides are steep
rocky and non-tillable.
Water for both irrigation and domestic use is furnished
by Campaign Creek.

Conflicts and Adjoining Claims
There are no conflicts and no adjoining or nearby
claims.
Kirby, the nearest postoffice, is 10 miles to NE. and
is reached by six miles of poor, and 4 miles of good
wagon road.
Globe, the nearest railroad point, is 30 miles distant
with good wagon road all but six miles of way, which
is very poor.
<table>
<thead>
<tr>
<th>Cor.</th>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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<tr>
<td>1-2</td>
<td>31° 37' W.</td>
<td>17.29</td>
<td>14.72</td>
<td>9.06</td>
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<tr>
<td>2-3</td>
<td>46° 42' W.</td>
<td>11.89</td>
<td>8.15</td>
<td>3.65</td>
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<tr>
<td>3-4</td>
<td>50° 05' W.</td>
<td>4.12</td>
<td>2.64</td>
<td>3.16</td>
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<td>4-5</td>
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<td>5-1</td>
<td>34° 45' E.</td>
<td>3.27</td>
<td>20.37</td>
<td>20.87</td>
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Total:

Error in Lat. and Dep. 0.02
Closing error 1:1766
Survey completed April 14, 1916.

Surveyor - Draftsman.
TABLELING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 446, 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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<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
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<tr>
<td>1-2</td>
<td>S. 31° 37' W.</td>
<td>17.29</td>
<td>14 73</td>
<td>9 06</td>
<td>32 71</td>
<td>481 82</td>
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<td>2-3</td>
<td>S. 46° 42' W.</td>
<td>11.69</td>
<td>6 15</td>
<td>8 68</td>
<td>14 28</td>
<td>122 09</td>
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<tr>
<td>3-4</td>
<td>N. 50° 05' W.</td>
<td>4.12</td>
<td>3 56</td>
<td>3 16</td>
<td>3 16</td>
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<td>4-5</td>
<td>N. 40° 39' E.</td>
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<td>5-1</td>
<td>S. 34° 45' E.</td>
<td>3.27</td>
<td>23 19</td>
<td>3 26</td>
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<td>2.87</td>
<td></td>
</tr>
</tbody>
</table>

2 1245 01 Acres
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona  JUL 3  1917 , 191

The foregoing field notes of Homestead Entry Survey No.

448

executed by R. P. A. Johnson, Surveyor-Draftsman

under his special instructions, dated February 4, 1916, 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.