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U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 7-1917

JUN 5-1917

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 448

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 12 , un surveyed, Township 2 N. , Range 12 E.

of the

Gila and Salt River Base and Meridian.

State of

Arizona.

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Applicant for listing Mrs. E. A. Hocker  
Residence Kirby, Arizona  
Application No. 89 ✓ , dated March 25 , 1909  
List No. 3-210 ✓ , dated June 23 , 1909

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Applicant for survey Harry A. Shute  
Residence Kirby, Arizona  
H. E. No. 026389 ✓ , dated December 31 , 1914 ✓  
Office  
Land District Phoenix, Arizona.

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Survey executed by R.P. A. Johnson, Surveyor-Draftsman  
[Forest Service Title.]  
Under special instructions dated February 14 , 1916 ✓  
Survey commenced April 12 , 1916  
Survey completed April 14 , 1916  
Under Acts of June 11, 1906 and March 4, 1915.

OATH OF ASSISTANTS

We hereby certify that we assisted R. C. A. 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.

Nelson F. Newman  
Chairman  
Fred D. Lewis  
Chairman

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

R. C. A. Johnson  
Surveyor Draftsman

OATH OF SURVEYOR

I, R. C. A. Johnson, Surveyor Draftsman [Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated February 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

List patent, No. 3-210, dated June 23, 1909, for under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 448, situated within the Crook National Forest, in unsurveyed Section 12, Township 2 N, Range 12 E, and unsurveyed Section, Township -----, Range -----,

of the Gila and Salt River 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.

R. C. A. Johnson  
Surveyor Draftsman [Forest Service Title.]

Subscribed and sworn to before me this 23rd day of

January, 1917.

Sylvester L. W. Laurin  
NOTARY PUBLIC, D. C.



## CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Mrs. E. A. Hocker; Application No. 89, 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.

Situated in what will probably be, when surveyed, Section 12 T. 2 N., R. 12 E., G. & S. R. B. & M., Crook National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

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. elong 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  $36^{\circ} 02'$  E. of star. The azimuth of Polaris is  $1^{\circ} 22' 06''$  to W. Reference object therefore bears N.  $34^{\circ} 39' 54''$  E.

Lat.  $33^{\circ} 32'$  N., Long.  $111^{\circ} 04' 30''$  W. from Roosevelt Quadrangle Sheet of U. S. G. S.

## CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

April 13, 1916.

At 8h. 30m. a.m. l.m.t., I set off  $33^{\circ} 32'$  on lat.arc  $9^{\circ} 06'$  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.  $34^{\circ} 39'$  E.

There being no corner of public land survey or U.S.L.M. within two miles; I establish U.S.L.M. No. 448 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 448 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.  $62^{\circ} 14'$  E. 42 lks.

dist., chiseled B·R - U S L M No 448 H E S.

A juniper 9 ins. dia. bears S.  $54^{\circ} 13'$  E.

54 lks. dist., scribed U S L M No 448

H E S + B T.

East end Lookout Mountain, known locally and

on Forest Service maps as Greenback Peak,

bears N.  $0^{\circ} 04'$  W. approximately 24 miles.West end Lookout Mountain bears N.  $0^{\circ} 21'$  W.

approximately 24 miles.

Southeast end Armer Mountain bears N.  $13^{\circ} 48'$  E.

approximately 19 miles.

Northwest end Armer Mountain bears N.  $8^{\circ} 38'$  E.

approximately 20 miles.

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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. 48° 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. 82 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.M. 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.

Ascend 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

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

No other witnesses available. Pits impracticable.

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

April 13, 1916.

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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.

5.36 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 N. of cor., whence:

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

A + on a limestone 4 x 3 x 3 ft. above ground, chiseled B R-3-H E S 448 bears S. 83° 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-3 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 cors. and mark same stone with + for point and 4-H E S 448 on E. 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.

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Chains

21.00

Top ascent. Descend 20 ft. in brush to cor.

27.08

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 4h. 10m. p.m. 1.m.t., I set off 33° 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 - - - - - 12.25 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



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.

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TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	S. 31° 37' W.	17.29		14.72		9.06
2-3	S. 46° 42' W.	11.89		8.15		8.65
3-4	N. 50° 05' W.	4.12	2.64			3.16
4-5	N. 40° 39' E.	27.08	20.55		17.64	
5-1	S. 84° 45' E.	3.27		.30	3.26	
		63.65	23.19	23.17	20.90	20.87
			23.17		20.87	
Error in Lat. and Dep.			.02		.03	

Closing error 1:1766

Survey completed April 14, 1916.

*R. P. Johnson*  
Surveyor - Draftsman.

DIRECTIONS.—1. Carry out calculations to two decimals only.  
 2. In balancing Latitudes and Departures do not obliterate or change the original figures. Do not change the footing of the original figures, but put below them the corrected footing in red ink. 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 448, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 31° 37' W.	17.29		14.73		9.67	32.71	481.82	
2-3	S. 46° 42' W.	11.89		8.15		8.66	14.98	122.09	
3-4	N. 50° 05' W.	4.12	2.64		17.63	3.16	3.16	8.34	
4-5	N. 40° 39' E.	27.08	20.54		17.64		17.63	362.12	
5-1	S. 84° 45' E.	3.27	20.55		3.26		38.52	11.56	
		63.65	23.19	23.17	20.90	20.87	370.46	615.47	
			2.3	2.3	20.89	20.89		370.46	
								2,124.50	
								12.25	Acres

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EMH

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  
[Forest Service Title.]  
under his special instructions, dated *February 14*, 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.