

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

AUG 2-1917

MAY-2 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 452

SITUATED IN THE SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 1 , unsurveyed, Township 11 N., Range 17 E.

In Section 2 , unsurveyed, Township 11 N., Range 17 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing C. W. Allenbaugh,
 Residence Heber, Arizona
 Application No. 215 , dated July 6 , 1910 and January 11 , 1911
 List No. 3-824 , dated May 3 , 1911

Applicant for survey John B. Blevins,
 Residence Heber, Arizona
 H. E. No. 017739 , dated June 12 , 1912
 Office Phoenix, Arizona
 Land District

Survey executed by R. P. A. Johnson, Surveyor - Draftsman
[Forest Service Title.]
 Under special instructions dated April 17 , 1916
 Survey commenced August 3 , 1916
 Survey completed August 3 , 1916
 Under Acts of June 11, 1906 and July 31, 1916

OATH OF ASSISTANTS

We hereby certify that we assisted R. P. A. Johnson in surveying all those parts or portions of Homestead Entry Survey No. 452, 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

Chester A. Lee, Chairman

Subscribed and sworn to before me this fourteenth day of August, 1916.

R. P. A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R. P. 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 April 17, 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 patent, No. 3-824, dated May 3, 1911, for the same to be known as Homestead Entry Survey No. 452, situated within the Sitgreaves National Forest, in surveyed Section 1, Township 11 N., Range 17 E., and surveyed Section 2, Township 11 N., Range 17 E.,

of the Gila and Salt River Basins 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.

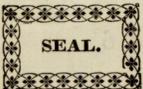
DISTRICT OF COLUMBIA
CITY OF WASHINGTON

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

Subscribed and sworn to before me this 27th day of

February, 1917.

Chester L. McLaughlin



Commission expires
8-2349 June 20, 1918.

NOTARY PUBLIC, D. C.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, C. W. Allenbaugh; Application No. 215, dated July 6, 1910 and January 11, 1911; List No. 3-824, dated May 3, 1911; H. E. 017739, made in the Phoenix Land Office on June 12, 1912 by John B. Blevins.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 17, 1916 and designated as Homestead Entry Survey No. 452.

Situated in what will probably be, when surveyed, Secs. 1 and 2, T. 11 N., R. 17 E., Gila and Salt River Base and Meridian, Sitgreaves National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and July 31, 1916.

Survey commenced August 3, 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.

August 3, 1916, a.m.

I observe the altitude of the sun for azimuth at cor. No. 1, hereinafter described. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Lat. $34^{\circ} 23' 25''$ N., Long. $110^{\circ} 30' 40''$ W., from special instructions from the Surveyor General.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	8h. 15m. 12s.	$87^{\circ} 21' 30''$	$35^{\circ} 44' 00''$
Reversed	8h. 15m. 57s.	$87^{\circ} 53' 00''$	$35^{\circ} 21' 00''$

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Bearing of reference object, N. 0° 01' 41" W.

August 3, 1916, p.m.

I again observe the altitude of the sun for azimuth at same station. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	3h. 44m. 18s.	85° 01' 30"	39° 11' 30"
Reversed	3h. 45m. 00s.	84° 28' 00"	39° 33' 30"

Bearing of reference object, N. 0° 02' 37" W.

The mean of these is N. 0° 02' 09" W. and to the corresponding meridian all the courses of this survey are referred.

TIE

August 3, 1916.

From cor. No. 1, hereinafter described.

Thence East.

55.51 Fall 6-1/2 lks. S. of cor. for Ts. 11 and 12 N., Rs. 17 and 18 E., which is an oak post in mound of stone, marked as described by the Surveyor General. Post is decayed and only two witness trees were found, one of which was down. I restore cor. as follows:
 Deposit a sandstone 5 x 3 x 2 ins. marked with a +, 9 ins. in the ground, over which set a sandstone 18 x 8 x 4 ins. marked with 6 notches on each edge; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence:
 A yellow pine, 12 ins. dia., bears N. 32° 15' E., 67 lks. dist., marked T 12 N R 18 E S 31 B T.
 A yellow pine, 8 ins. dia., bears S. 58° 30' E., 28 lks. dist., marked T 11 N R 18 E S 6 B T.

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A yellow pine, 8 ins. dia., bears S. 86° W.,
37 lks. dist., scribed T 11 N R 17 E S 1 B T.

A yellow pine, 22 ins. dia., bears N. 50° W.,
84 lks. dist., scribed T 12 N R 17 E S 36 B T.

(Original witness remarked)

Return course S. 89° 56' W., 55.51 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with NE. cor. of listed area, which is an unmarked stake in a pile of stone. I destroy all trace of this list cor. Deposit a sandstone 7 x 4 x 1 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 9 x 7 ins., chiseled + for the point and 1 - H E S 452 on SW. face. No stones available for mound, therefore dig pits 24 x 24 x 12 ins. crosswise on claim lines 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. dist. SW. of cor., whence:

A yellow pine, 20 ins. dia., bears N. 29° 56' E.,
169 lks. dist., scribed 1 H E S 452 + B T.

A yellow pine, 14 ins. dia., bears N. 54° 55' W.,
224 lks. dist., scribed 1 H E S 452 + B T.

Cor. for Ts. 11 and 12 N., Rs. 17 and 18 E.,
heretofore described, bears N. 89° 56' E.,
55.51 chs. dist.

Lat. 34° 23' 25" N., Long. 110° 30' 40" W., from special
instructions from the Surveyor General, and later
verified.

Mag. decl. at 8:00 a.m., 14° 20' E. Mean mag. decl.,
14° 16' E.

Thence S. 0° 02' E.

In pine timber. Ascend 30 ft. to cor.

8.50 Road bears NE. and SW.

10.00 Leave timber, bears NE. and SW. Thence over open land.

TEROSITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains
30.00

To cor. No. 2.

Identical with SE. cor. of listed area, which is an unmarked stake in a pile of stone. I destroy all trace of this list cor. Deposit a sandstone 3 x 3 x 1 ins. marked with a +, 15 ins. in the ground, over which set a sandstone 25 x 10 x 8 ins., chiseled + for the point and 2 - H E S 452 on NW. face. No stones available for mound, therefore dig pits 24 x 24 x 12 ins. crosswise on claim lines 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high NW. of cor., whence:

A juniper, 4 ins. dia., bears S. 56° 48' W., 118 lks. dist., scribed 2 H E S 452 + B T.

A juniper, 8 ins. dia., bears N. 2° 22' W., 46 lks. dist., scribed 2 H E S 452 + B T.

Thence S. 89° 57' W.

Descend 25 ft. in open.

10.00 Leave open, enter timber, bears NE. and SW.

17.95 Road bears NW. and SE.

18.60 Enter wash, banks 3 ft. high, course NNE.

20.00 Leave wash. Thence over level land.

23.68 Road bears NNE.

27.40 Enter wash, banks 3 ft. high, course N. 37° E.

28.78 Leave wash and ascend 20 ft. to cor.

29.20 Fence, bears N. 40° E. and S. 40° W.

30.00 To cor. No. 3.

Identical with cor. H-3 of the list survey, which is a sandstone 18 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 6 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 12 x 8 ins.,

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STATE OF ARIZONA

Chains

chiseled + for the point and 3 - H E S 452 on NE. face;
and raise a mound of stone 3 ft. base, 2 ft. high NE.
of cor., whence:

A yellow pine; 30 ins. dia., bears N. $11^{\circ} 50'$ E.,
19 lks. dist., scribed 3 H E S 452 + B T.

A yellow pine, 10 ins. dia., bears S. $80^{\circ} 05'$ W.,
89 lks. dist., scribed 3 H E S 452 + B T.

Thence North.

Descend 20 ft. to arroyo in timber.

15.00 Arroyo, 10 lks. wide, 1 ft. deep, course ENE. Leave
timber, bears NW. and SE. Ascend 25 ft. to cor.

17.50 Road bears E. and W.

21.90 Fence bears ENE. and SSW.

30.01 To cor. No. 4.

Identical with cor. H-2 of the list survey, which is
a post 4 x 4 x 12 ins. above ground, marked and wit-
nessed as described by the Forest Service. I destroy
all trace of this list cor. Deposit a sandstone 6 x
4 x 3 ins. marked with a +, 16 ins. in the ground, over
which set a sandstone 26 x 16 x 8 ins., chiseled + for
the point and 4 - H E S 452 on SE. face; and raise a
mound of stone 3 ft. base, 2 ft. high SE. of cor.,
whence:

A juniper, 6 ins. dia., bears N. $5^{\circ} 50'$ E., 75
lks. dist., scribed 4 H E S 452 + B T.

A juniper, 4 ins. dia., bears N. $44^{\circ} 45'$ E., 96
lks. dist., scribed 4 H E S 452 + B T.

Thence N. $89^{\circ} 58'$ E.

Over open level mesa.

3.00 Fence cor., fence bears S. and along line. Enter timber,
bears NE. and SW.

5.00 Edge of bench. Descend 30 ft. to bottom.

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Chains
7.68 Foot of slope. Leave timber, bears N. and S. Thence
over level land.
13.20 Fence cor., fence bears SSW. Leave fence.
13.98 Enter wash, 410 lks. wide, banks 3 ft. high, course N.
19.00 Enter timber, bears N. and S.
30.00 To cor. No. 1, the place of beginning.

AREA

Total Area - - - - - 90.03 acres

IMPROVEMENTS

The improvements made upon this homestead and belonging to the claimant, consist of the following:

A log house, 18 x 36 ft., the long side of which bears E. and W. and the SE. cor. of which bears N. 24° 05' E., 4.00 chs. dist. from cor. No. 3.

Value ----- \$250.00

A log barn, 24 x 16 ft., the long side of which bears E. and W. and the SE. cor. of which bears N. 11° 10' E., 5.10 chs. dist. from cor. No. 3.

Value ----- \$200.00

A log outhouse, 12 x 12 ft., the NE. cor. of which bears N. 4° 40' E., 6.20 chs. dist. from cor. No. 3.

Value ----- \$ 30.00

There is approximately 1/2 mile of wire fence.

Value ----- \$ 75.00

DESCRIPTION

This tract lies on a wide draw, at an elevation of 6700 ft. The general slope is to the North. The land consists of wide piece of bottom land crossing claim diagonally from SW. to NE., with an open gentle slope to SE. and low bench in NW.

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The soil in bottom land is a sandy loam of good depth, fertile and free from rock. The slopes contain a gravelly soil, shallow and of doubtful agricultural possibilities.

The entire tract, with the exception of 10 acres on SE. and 8 acres on NW. is, or was, covered with a good stand of yellow pine, the cultivated land in central portion having been cleared or deadened.

There is no water for irrigation. Water for domestic use is obtained from holes in the wash.

The land is not known to contain mineral.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims.

Heber, Arizona, the nearest post office, is 7 miles dist. and Holbrook, Arizona, the nearest railroad point, is 48 miles dist. Both are accessible by good wagon roads.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 0° 02' E.	30.00		30.00	0.02 ✓	
2-3	S. 89° 57' W.	30.00		0.03 ✓		30.00
3-4	North	30.01	30.01			
4-1	N. 89° 58' E.	30.00	0.02 ✓		30.00	
		120.01	30.03	30.03	30.02	30.00
Error in Lat. and Dep.			<u>30.03</u>		<u>30.00</u>	
			.00		.02	

Closing error, 1:6000. ✓

Survey completed August 3, 1916.

Note: No corners of the listing survey were found except those described in these returns. Cors. H-1, 4, 5 and 6 were destroyed at the time the additional area described by legal subdivisions, was examined and recommended for inclusion in List 3-824.

R. P. Johnson
Surveyor - Draftsman

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct Solar at Cor. No. 1, August 3, 1916.

Lat. $34^{\circ} 23' 25''$ N., Long. $110^{\circ} 30' 40''$ W. Elev., 6700 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	3h. 44m. 18s.	$85^{\circ} 01' 30''$	$39^{\circ} 11' 30''$	
Reversed	3h. 45m. 00s.	$84^{\circ} 28' 00''$	$39^{\circ} 33' 30''$	
	3h. 44m. 39s.	$84^{\circ} 44' 45''$	$39^{\circ} 22' 30''$	
			$55''$	
			$39^{\circ} 21' 35''$	

Decl., $17^{\circ} 24' 55''$

$$\text{Cos. Q.} = \frac{\sin. 17^{\circ} 24' 55''}{\cos. 34^{\circ} 23' 25'' \times \cos. 39^{\circ} 21' 35''}$$

$$\tan. 34^{\circ} 23' 25'' \times \tan. 39^{\circ} 21' 35''$$

log. sin. $17^{\circ} 24' 55''$	=	9.476100	
log. cos. $34^{\circ} 23' 25''$	=	9.916564	
log. cos. $39^{\circ} 21' 35''$	=	9.888280	
		<u>9.671256</u>	= log. .46909
log. tan. $34^{\circ} 23' 25''$	=	9.835351	
log. tan. $39^{\circ} 21' 35''$	=	9.913937	
		<u>9.749288</u>	= log. .56142

$$\text{Cos. Q.} = .09233$$

$$\text{Q.} = 84^{\circ} 42' 08''$$

Bearing of reference object, N. $0^{\circ} 02' 37''$ W.

(2)

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	8h. 15m. 12s.	$87^{\circ} 21' 30''$	$35^{\circ} 44' 00''$
Reversed	8h. 15m. 57s.	$87^{\circ} 53' 00''$	$35^{\circ} 21' 00''$
	8h. 15m. 34s.	$87^{\circ} 37' 15''$	$35^{\circ} 32' 30''$
			$01' 03''$
			$35^{\circ} 31' 27''$

$$\text{Cos. Q.} = \frac{\sin. 17^{\circ} 29' 46''}{\cos. 34^{\circ} 23' 25'' \times \cos. 35^{\circ} 31' 27''}$$

$$\tan. 34^{\circ} 23' 25'' \times \tan. 35^{\circ} 31' 27''$$

log. sin. $17^{\circ} 29' 46''$	=	+ 9.478048	
log. cos. $34^{\circ} 23' 25''$	=	- 9.916564	
log. cos. $35^{\circ} 31' 27''$	=	- 9.910555	
		<u>9.650929</u>	= log. .44764
log. tan. $34^{\circ} 23' 25''$	=	9.835351	
log. tan. $35^{\circ} 31' 27''$	=	9.853655	
		<u>9.689006</u>	= log. .48866

$$\text{Cos. Q.} = .04102$$

$$\text{Q.} = 87^{\circ} 38' 56''$$

Bearing of reference object, N. $0^{\circ} 01' 41''$ W.

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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 452, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 0° 02' E.	30.00		30.00	02		60.02	1800.60 ✓	
2-3	S. 89° 57' W.	30.00		03			30.03	90 ✓	
3-4	North	30.01	30.01				01		
4-1	N. 89° 58' E.	30.00	02		30.00		30.00		
		120.01	30.03	30.03	30.02	30.00	90 ✓	1801.50	
			30.03	30.03	30.02	30.00		90	
				30.03	30.02	30.00		20/1800.60	
								90.03 ✓ Acres.	

2-9

EMM

APPROVAL

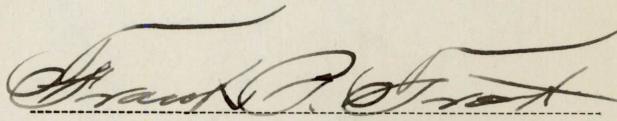
Office of the United States Surveyor General,

Phoenix, Arizona, May 22, 1918

The foregoing field notes of Homestead Entry Survey No.

452

executed by R. P. A. Johnson, Surveyor. Draftsman
[Forest Service Title.]
under his special instructions, dated April 17, 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.