

199

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

NO. 2-1917

MAY-2-1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 512

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

Approximately -

In Section 30 , unsurveyed, Township 5 N. , Range 7 E.

In Section 31 , unsurveyed, Township 5 N. , Range 7 E.

In Section 32 , unsurveyed, Township 5 N. , Range 7 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **J. Franklin Asher,**

Residence **Phoenix, Arizona**

Application No. **255** , dated **December 7** , 1914

List No. **3-3747** , dated **January 8** , 1916

Applicant for survey **J. Franklin Asher,**

Residence **Phoenix, Arizona**

H. E. No. **030691** , dated **July 14** , 1916

Office
Land District **Phoenix, Arizona**

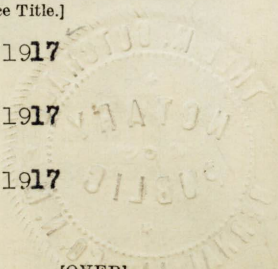
Survey executed by **R. P. A. Johnson,** Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated **March 10** , 1917

Survey commenced **June 4** , 1917

Survey completed **June 5** , 1917

Under Acts of **June 11, 1906 and August 11, 1916**



OATH OF ASSISTANTS

We hereby certify that we assisted R. B. Johnson in surveying all those parts or portions of Homestead Entry Survey No. 512, 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.

Chas Robinson, Chairman

John E Adams, Chairman

Subscribed and sworn to before me this sixth day of June, 1917.

R. B. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R. B. 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 March 10, 1917, 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

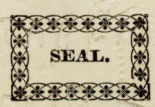
Acct Patent, No. 3-3747 dated January 8, 1916, for June 11, 1906, the same to be known as Homestead Entry Survey No. 512, situated within the Prescott National Forest, in approx-
imately unsurveyed Section 30, Township 5 N, Range 7 E, and unsurveyed Section 31, Township 5 N, Range 7 E, and unsurveyed Section 32, Township 5 N, Range 7 E

of the Sala and 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.

R. B. Johnson
Surveyor Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this Second day of August, 1917

Ethel M. Gutchall
Notary Public.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, J. Franklin Asher; Application No. 255, dated December 7, 1914; List No. 3-3747, dated January 8, 1916; H. E. 030691, made in the Phoenix Land Office on July 14, 1916 by J. Franklin Asher.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 10, 1917 and designated as Homestead Entry Survey No. 512.

Situated in what will probably be, when surveyed, secs. 30, 31 and 32, T. 5 N., R. 7 E., Gila and Salt River Base and Meridian, within the Prescott National Forest, Arizona.

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

Survey commenced June 4, 1917 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.

June 4, 1917, 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. $33^{\circ} 44'$ N., Long. $111^{\circ} 39' 30''$ W., from special instructions from the Surveyor General and later verified.

HOMESTEAD ENTRY SURVEY NO. 512

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STATE OF ARIZONA

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	7h.19m.37s.	85° 33' 00"	27° 56' 30"
	Reversed	7h.20m.35s.	85° 05' 30"	27° 35' 30"

Bearing of reference object, N. 0° 04' 13" E.

I again 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 upper left and lower right quadrants of the field.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	7h.22m.05s.	80° 51' 00"	28° 26' 00"
Reversed	7h.22m.40s.	80° 21' 00"	28° 02' 00"

Bearing of reference object, N. 0° 03' 57" E.

The mean of the two obsns. is N. 0° 04' 05" E., and to the corresponding meridian all the courses of this survey are referred.

RETRACEMENT

June 4, 1917.

From Standard 1/4 Sec. cor. on South line sec. 36, T. 5 N., R. 6 E., which is a lava stone 3 x 6 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence East.

On random South line sec. 36.

3.78 Fall 1-1/2 lks. South of Closing Cor. for T. 4 N., Rs. 6 and 7 E., which is a granite stone 10 x 8 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

40.29 Fall 25-1/2 lks. N. of Standard Cor. for T. 5 N., Rs. 6 and 7 E., which is a blue lava stone 8 x 7 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

Return course N. 89° 38' W., 40.29 chs.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Thence East.

On random South line Sec. 31.

40.21

Fall 3 lks. North of the Standard 1/4 Sec. Cor. on South line sec. 31, which is described by the Surveyor General as a charred stake with pits and mound. I find butt of charred stake and slight evidence of pits and mound. I restore cor. as follows:

Deposit a lava stone 8 x 5 x 4 ins. marked with a +, 36 ins. in the ground, over which set an iron wood post 6 x 6 x 48 ins. marked S C 1/4 S. 31 on N. face; and raise a mound of stone 2 ft. base, 1/2 ft. high North of cor.

No witnesses available.

Return course N. 89° 57' W., 40.21 chs. dist.

June 4, 1917.

BOUNDARIES OF CLAIM

June 5, 1917.

Beginning at cor. No. 1.

Identical with cor. H-1 of the list survey, which is a red lava stone 10 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 6 x 3 x 1 ins. marked with a +, 10 ins. in the ground, over which set a granite stone 20 x 6 x 3 ins. (no larger stone available) chiseled + for the point and 1 - H E S 512 on NNE. face; and raise a mound of stone 3 ft. base, 2 ft. high NNE. of cor., whence:

A mesquite, 6 ins. dia., bears N. 16° 25' W.,

52 lks. dist., scribed 1 H E S 512 + B T.

An iron wood 14 ins. dia., bears S. 37° 00' W.,

24 lks. dist., scribed 1 H E S 512 + B T.

Standard 1/4 sec. cor. on South line of sec. 31,

heretofore described, bears S. 17° 49' 12" W.,

Chains	30.91 chs. dist., by traverse which appears at the end of these notes.
	Lat. $33^{\circ} 44'$ N., Long. $111^{\circ} 39' 30''$ W., from special instructions from the Surveyor General, and later verified.
	Mag. decl. at 8:00 a.m. $13^{\circ} 30'$. Mean mag. decl. $13^{\circ} 26'$ E.
	Thence N. $4^{\circ} 54'$ W.
	Over level land in heavy mesquit and juniper. Fence bears N. $9^{\circ} 00'$ W. and S. $9^{\circ} 00'$ E.
40.00	Fence bears NNE. and SSW.
53.00	Road bears E. and W.
60.86	To cor. No. 2.
	Identical with cor. H-5 of the list survey, which is a grey granite stone 6 x 5 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 4 x 3 x 2 ins. marked with a +, 10 ins. in the ground, over which set a lava stone 20 x 10 x 10 ins. (no larger stone available); chiseled + for the point and 2 - H E S 512 on SE. face. No stones available for mound, therefore dig pits 24 x 24 x 12 ins. cross-wise on claim lines 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. dist. SE. of cor., whence:
	A mesquit, 6 ins. dia., bears N. $4^{\circ} 57'$ E., 55 lks. dist., scribed 2 H E S 512 + B T.
	A mesquit, 6 ins. dia., bears N. $85^{\circ} 11'$ E., 101 lks. dist., scribed 2 H E S 512 + B T.
	Thence N. $80^{\circ} 30'$ E.
	Over level land in heavy mesquit and juniper.
20.70	Road bears NNW. and SSE.
25.60	Fence cor., fence bears S. 79° W., South and S. 36° E.
	Descend 10 ft. to cor.

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STATE OF ARIZONA

Chains	
26.55	To cor. No. 3.
	<p>Identical with cor. H-4 of the list survey, which is a granite stone 5 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a granite stone 3 x 3 x 2 ins. marked with a +, 10 ins. in the ground, over which set a granite stone 20 x 12 x 6 ins. (no longer stone available), chiseled + for the point</p>
	<p>and 3 - H E S 512 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:</p>
	<p>An alder, 6 ins. dia., bears N. 42° 13' W.,</p>
	<p>82 lks. dist., scribed 3 H E S 512 + B T.</p>
	<p>A mesquit, 4 ins. dia., bears S. 24° 08' W.,</p>
	<p>101 lks. dist., scribed 3 H E S 512 + B T.</p>
	<p>Cor. H-3 of the list survey, which is a granite stone 8 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 34° 55' E., 11.51 chs. dist. I destroy all trace of this list cor.</p>
	<p>Thence S. 17° 35' E.</p>
	<p>Over level land in mesquit and heavy underbrush.</p>
1.70	Fence bears S. 36° E. and N. 36° W.
14.00	Enter cultivated land.
21.00	Leave cultivated land.
23.90	Fence bears E. and W.
37.00	Fence bears E. and W.
38.79	To cor. No. 4.
	<p>Identical with cor. H-2 of the list survey, which is a granite stone 6 x 5 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a quartzite stone 3 x 3 x 1 ins. marked with a +, 14 ins. in the</p>

Chains ground, over which set a granite stone 24 x 13 x 4 ins., chiseled + for the point and 4 - H E S 512 on WNW. face; and raise a mound of stone 3 ft. base, 2 ft. high WNW. of cor., whence:

A mesquit, 16 ins. dia., bears S. 30° 49' E., 86 lks. dist., scribed 4 H E S 512 + B T.

A mesquit, 6 ins. dia., bears N. 55° 48' W., 214 lks. dist., scribed 4 H E S 512 + B T.

Thence S. 49° 26' W.
Over open cultivated land.

3.50 Leave cultivated land.

3.64 Fence bears E. and W. Ascend 10 ft. in brush to mesa.

5.40 Edge mesa bears WNW. and ESE. Thence over level land in mesquit.

9.32 Road bears N. and S.

11.50 Fence bears NNE. and SSW.

11.60 Road bears NNW. and SSE.

43.02 To cor. No. 1, the place of beginning.

AREA

Total Area - - - - - 157.37 acres

IMPROVEMENTS

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

A frame house, 22 x 12 ft., the long side of which bears N. and S. and the NW. cor. of which bears S. 10° 15' E., 17.30 chs. dist. from cor. No. 3.
Value ----- \$400.00

A log and frame tool house, 15 x 12 ft., the long side of which bears E. and W. and the SW. cor. of which bears S. 6° 50' E., 17.10 chs. dist. from cor. No. 3.
Value ----- \$100.00

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Chains	<p>A frame barn and stable, 45 x 32 ft., the long side of which bears N. and S. and the SE. cor. of which bears S. 0° 15' W., 18.05 chs. dist. from cor. No. 3.</p> <p style="text-align: right;">Value ----- \$400.00</p> <p>A frame chicken house, 9 x 9 ft., the NE. cor. of which bears S. 3° 05' E., 19.65 chs. dist. from cor. No. 3.</p> <p style="text-align: right;">Value ----- \$ 25.00</p> <p>A house, 18 x 14 ft., the long side of which bears N. and S. and the NE. cor. of which bears S. 86° 09' W., 7.20 chs. dist. from cor. No. 4.</p> <p style="text-align: right;">Value ----- \$150.00</p> <p>A well, 20 ft. deep, bears S. 80° 15' W., 6.40 chs. dist. from cor. No. 4.</p> <p style="text-align: right;">Value ----- \$ 50.00</p> <p>A timbered well, 16 ft. deep, bears S. 12° 00' E., 17.50 chs. dist. from cor. No. 3.</p> <p style="text-align: right;">Value ----- \$ 75.00</p> <p>A pole corral SW. of barn, 100 ft. in dia.</p> <p style="text-align: right;">Value ----- \$125.00</p>
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DESCRIPTION

This claim lies on the West bank of Verde River at an elevation of approximately 1500 ft. It is a portion of a large mesquit flat cut by a large number of small gullies, with no well defined water way, draining East into Verde River. The general slope is to the South. The soil is a sandy loam free from surface rock or outcrops and from 6 to 10 ft. deep, and will produce good crops with irrigation.

The cover consists of a mixed stand of mesquit and juniper with walnut, alder and cottonwood along Verde River.

The entire claim is covered except those portions which have been cleared for cultivation.

Water for irrigation is obtained from Verde River, and for

HOMESTEAD ENTRY SURVEY NO. 512

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STATE OF ARIZONA

Chains

Direct Solar June 4, 1917 at Cor. No. 1.

Lat. 33° 44' N., Long. 111° 39' 30" W., Elev. 1500 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	7h. 19m. 37s.	80° 33' 00"	27° 56' 30"	+
Reverse	7h. 20m. 35s.	80° 05' 30"	27° 35' 30"	+
	7h. 20m. 06s.	80° 19' 15"	27° 46' 00"	
			01' 45"	
			27° 44' 15"	

Decl., 22° 24' 58"

$$\text{Cos. Q.} = \frac{\sin. 22^\circ 24' 58''}{\cos. 33^\circ 44' \times \cos. 27^\circ 44' 15''}$$

$$\tan. 33^\circ 44' \times \tan. 27^\circ 44' 15''$$

log. sin. 22° 24' 58" =	9.581301	
log. cos. 33° 44' 00" =	9.919931	
log. cos. 27° 44' 15" =	9.946987	
	9.714383	.51806
log. tan. 33° 44' 00" =	9.824619	
log. tan. 27° 44' 15" =	9.720859	
	9.545478	.35114

$$\text{Cos. Q.} = .16692$$

$$\text{Q.} = 80^\circ 23' 28''$$

Bearing of reference object, N. 0° 04' 13" E.

(2)

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	7h. 22m. 05s.	80° 51' 00"	28° 26' 00"	+
Reverse	7h. 22m. 40s.	80° 21' 00"	28° 02' 00"	+
	7h. 22m. 22s.	80° 36' 00"	28° 14' 00"	
			01' 42"	
			28° 12' 18"	

Decl., 22° 24' 58"

$$\text{Cos. Q.} = \frac{\sin. 22^\circ 24' 58''}{\cos. 33^\circ 44' \times \cos. 28^\circ 12' 18''}$$

$$\tan. 33^\circ 44' \times \tan. 28^\circ 12' 18''$$

log. sin. 22° 24' 58" =	9.581301	
log. cos. 33° 44' 00" =	9.919931	
log. cos. 28° 12' 18" =	9.945105	
	9.716265	.52031
log. tan. 33° 44' 00" =	9.824619	
log. tan. 28° 12' 18" =	9.729414	
	9.554033	.35812

$$\text{Cos. Q.} = .16219$$

$$\text{Q.} = 80^\circ 39' 57''$$

Bearing of reference object, N. 0° 03' 57" E.

APPROVAL

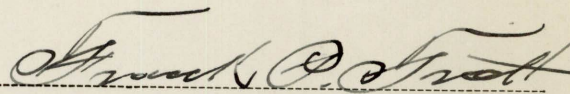
Office of the United States Surveyor General,

Phoenix, Arizona, June 28, 1918

The foregoing field notes of Homestead Entry Survey No.

512

executed by R. P. A. Johnson, Surveyor-Draftsman
[Forest Service Title.]
under his special instructions, dated March 10, 1917, 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.