

47

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

AUG 2-1917

MAY-2 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 393

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 11, - surveyed, Township 14 N., Range 11 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Lewis L. Fisher, ✓
 Residence Winslow, Arizona
 Application No. 112, dated May 8, 1909 ✓
 List No. 3-1376 ✓, dated July 10, 1911 ✓

Applicant for survey A. M. Hancock, ✓
 Residence Winslow, Arizona
 H. E. No. 025485 ✓, dated August 21, 1914 ✓
 Office
 Land District Phoenix, Arizona

Survey executed by R. P. A. Johnson, Surveyor - Draftsman
[Forest Service Title.]
 Under special instructions dated July 9, 1915 ✓
 Survey commenced June 4, 1916
 Survey completed June 4, 1916
 Under Acts of June 11, 1906 and March 4, 1915 ✓

48

OATH OF ASSISTANTS

We hereby certify that we assisted R. P. Johnson in surveying all those parts or portions of Homestead Entry Survey No. 393, 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 A. Newman, Chainman
Orin Childers, Chainman

Subscribed and sworn to before me this sixth day of July, 1916.

R. P. Johnson
Surveyor Craftsman

OATH OF SURVEYOR

I, R. P. Johnson, Surveyor Craftsman do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated July 9, 1915, 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. 3-1376, dated July 10, 1911 and a tract of land upon the application of A. M. Hancock to be listed upon

Application Patent, No. 112, dated May 8, 1909, for the same to be known as Homestead Entry Survey No. 393, situated within the Cococino National Forest, in - surveyed Section 11, Township 14N, Range 11E, and - surveyed Section - - - - , Township - - - - , Range - - - - ,

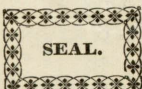
of the Gila and Salt River Base and meridian, Arizona, and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated 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. Johnson
Surveyor Craftsman
[Forest Service Title.]

Subscribed and sworn to before me this 1st day of February, 1917.

Sylvester L. McLaughlin
NOTARY PUBLIC, D. C.



8-2349

Commission expires
June 20, 1918.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Lewis L. Fisher; Application No. 112, dated May 8, 1909; List No. 3-1376, dated July 10, 1911; H. E. 025485, made in the Phoenix Land Office on August 21, 1914 by A. M. Hancock.

Also a tract of unlisted land adjoining claimant's entry

was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his Entry No. 025485.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915 and designated as Homestead Entry Survey No. 393.

Situated in Sec. 11, T. 14 N., R. 11 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

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

Survey commenced June 4, 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.

June 4, 1916, a.m.

I observe the altitude of the sun for azimuth at cor. No. 1 of this survey, 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. $34^{\circ} 37' N.$, Long. $111^{\circ} 10' W.$, from special instructions from the Surveyor General, and later verified.

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	8h. 44m. 27s.	86° 56' 00"	46° 20' 00"
	Reversed	8h. 45m. 25s.	87° 26' 00"	46° 00' 00"
Bearing of reference object, N. 0° 01' 25" W.				

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 lower right and upper left quadrants of the field.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct.	8h. 47m. 23s.	86° 29' 00"	46° 55' 30"
Reversed	8h. 48m. 20s.	87° 00' 00"	46° 35' 30"
Bearing of reference object, N. 0° 01' 22" W.			

The mean of these is N. 0° 01' 24" W. and to the corresponding meridian all the courses of this survey are referred.

TIE

Beginning at cor. No. 1, hereinafter described.
Thence S. 83° 10' E.

-16.95 Fall 2-1/2 lks. to right of 1/4 sec. cor. bet. secs. 11 and 12, T. 14 N., R. 11 E., which is described by the Surveyor General as a post with two witness trees, marked stone, pits and mound of earth. After strict search I fail to find any trace of post, pit or mound but find witness trees and memorial. I restore cor. as follows:
Deposit a limestone 8 x 5 x 1 ins., 18 ins. in the ground, over which set a limestone 28 x 6 x 5 ins. for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high West of cor., whence:
A pine, 30 ins. dia., bears N. 35° E., 9 lks., marked 1/4 S B T. (Old bearing tree)

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

A pine, 10 ins. dia., bears S. 16° W., 63 lks.

dist., marked 1/4 S B T. (Old bearing tree)

Return course N. 83° 15' W., 16.95 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Deposit a limestone 5 x 2 x 1 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 10 x 6 ins., chiseled for the point and 1 - H E S 393 on NW. face; and raise a mound of stone 3 ft. base, 2 ft. high NW. of cor., whence:

A yellow pine, 8 ins. dia., bears N. 16° 20' W., 46 lks. dist., scribed 1 H E S 393 + B T.

A yellow pine, 26 ins. dia., bears S. 65° 18' E., 32 lks. dist., scribed 1 H E S 393 + B T.

1/4 sec. cor. bet. secs. 11 and 12, heretofore described, bears S. 83° 15' E., 16.95 chs. dist.

Lat. 34° 37' N., Long. 110° 10' W., from special instructions from the Surveyor General, and later verified.

Mag. decl. at 9 a.m., 14° 30' E. Mean mag. decl., 14° 27' E.

Thence S. 87° 12' W.

Over unlisted land. Along edge of draw and timber, over level land.

1.80 Cor. H-12 of the list survey, which is a limestone 8 x 6 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave unlisted and enter listed land.

1.82 Fence bears N. 6° W. and S. 6° E. Arroyo, 15 lks. wide, 3 ft. deep, course NE.

12.10 Bend in creek, 10 lks. wide, banks 3 ft. high, course NE.

13.23 Fence bears NE. and SW.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

14.55 Creek, 10 lks. wide, 3 ft. deep, course N. 50° E.

14.63 To cor. No. 2.

Deposit a limestone 6 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 8 x 4 ins., chiseled + for the point and 2 - H E S 393 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence:

A yellow pine, 16 ins. dia., bears N. 86° 06' E., 160 lks. dist., scribed 2 H E S 393 + B T.

A yellow pine, 14 ins. dia., bears S. 24° 38' E., 131 lks. dist., scribed 2 H E S 393 + B T.

Cor. H-11 of the list survey is not found after a careful search.

Thence S. 43° 08' W.

Along foot of NW. slope in edge of timber.

1.50 Creek, 10 lks. wide, 3 ft. deep, course NE.

Ascend 15 ft. along NW. slope.

2.90 Fence bears NE. and SW.

10.00 Top ascent. Descend 15 ft. to cor.

16.20 Fence cor., fence bears N. 10° W. and S. 30° W.

18.23 To cor. No. 3.

Identical with cor. H-10 of the list survey, which is a limestone 12 x 8 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 5 x 4 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 8 x 8 ins., chiseled + for the point and 3 - H E S 393 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence:

A yellow pine, 26 ins. dia., bears S. 10° 18' W., 99 lks. dist., scribed 3 H E S 393 + B T.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>A yellow pine, 22 ins. dia., bears N. 76° 53' E., 144 lks. dist., scribed 3 H E S 393 + B T.</p>
	<p>Thence S. 10° 15' W. Along edge of timber.</p>
8.45	Fence bears ESE. and WNW.
10.35	To cor. No. 4.
	<p>Identical with cor. H-9 of the list survey, which is a limestone 10 x 5 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I de- stroy all trace of this list cor. Deposit a lime- stone 5 x 2 x 1 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 9 x 5 ins., chiseled + for the point and 4 - H E S 393 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence:</p>
	<p>A yellow pine, 12 ins. dia., bears N. 55° W., 55 lks. dist., scribed 4 H E S 393 + B T.</p>
	<p>A yellow pine, 10 ins. dia., bears S. 88° 15' W., 82 lks. dist., scribed 4 H E S 393 + B T.</p>
	<p>Cor. H-8 of the list survey, which is a lime- stone 6 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service; bears N. 25° 04' W.; 8.19 chs. dist. I de- stroy all trace of this list cor.</p>
	<p>Thence N. 39° 37' W. Over unlisted land. Ascend 10 ft. in edge of timber to rocky point.</p>
11.50	Top ascent. Descend 10 ft. in edge of timber to culti- vated land.
3.00	Fence bears ESE. and WNW. Enter cultivated land.
	Thence over level land.

Chains

4.73

Fence bears N. and S. Leave cultivated land.

13.03

To cor. No. 5.

Identical with cor. H-7 of the list survey, which is a limestone 14 x 2 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 5 x 4 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 12 x 4 ins., chiseled + for the point and 5 - H E S 393 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 24 ins. dia., bears S. 3° 56' W., 88 lks. dist., scribed 5 H E S 393 + B T.

A yellow pine, 26 ins. dia., bears S. 83° 08' W., 150 lks. dist., scribed 5 H E S 393 + B T.

Thence N. 57° 06' E.

Over listed land. In open over level land.

2.00 Creek, 10 lks. wide, 3 ft. deep, course E.

6.10 Creek, 10 lks. wide, 3 ft. deep, course NNE.

9.50 Fence bears NE. and SW.

10.59 To cor. No. 6.

Identical with cor. H-6 of the list survey, which is a limestone 8 x 5 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 6 x 3 x 1 ins. marked with a +, 18 ins. in the ground, over which set a limestone 28 x 10 x 5 ins., chiseled + for the point and 6 - H E S 393 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 14 ins. dia., bears N. 18° 55' E., 35 lks. dist., scribed 6 H E S 393 + B T.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

55

Chains A yellow pine, 6 ins. dia., bears N. 45° 45' W.,
. 115 lks. dist., scribed 6 H ES 393 + B T.

Thence N. 5° 08' E.
. Over unlisted land. Along edge of timber. Ascend
. 10 ft. to cor.

0.80. Fence cor., fence bears SW. and along line.
1.00 Creek, 10 lks. wide, 3 ft. deep, course NE.
8.89 Fence cor., fence bears NE. Leave fence.
10.00 To cor. No. 7.

Deposit a limestone 3 x 2 x 2 ins, marked with a +, 16
ins. in the ground, over which set a limestone 26 x 8
x 8 ins., chiseled + for the point and 7 - H ES 393 on
E. face; and raise a mound of stone 3 ft. base, 2 ft.
high E. of cor., whence:

A yellow pine, 38 ins. dia., bears S. 38° 48' W.,
75 lks. dist., scribed 7 H E S 393 + B T.

A yellow pine, 34 ins. dia., bears N. 62° 35' W.,
79 lks. dist., scribed 7 H E S 393 + B T.

Cor. H-5 is not found after careful search.

Thence N. 43° 27' E.
. Over unlisted land. Ascend 35 ft. to ridge in
. scattered pine.

2.80 Top ascent. Descend 30 ft. to cor.
4.55 Fence bears N. 80° E. and S. 80° W.
5.60 Foot descent. Thence across flat.
10.72 To cor. No. 8.

Identical with cor. H-3 of the list survey, which is
a limestone 12 x 4 x 10 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor. Deposit a lime-
stone 5 x 5 x 1 ins. marked with a +, 14 ins. in the
ground, over which set a limestone 24 x 8 x 5 ins.,

Chains

chiseled + for the point and 8 - H E S 393 on S. face;
and raise a mound of stone 3 ft. base, 2 ft. high S.
of cor., whence:

A yellow pine, 38 ins. dia., bears N. 4° 44' W.,
169 lks. dist., scribed 8 H E S 393 + B T.

A yellow pine, 36 ins. dia., bears N. 36° 37' E.,
140 lks. dist., scribed 8 H E S 393 + B T.

Cor. H-4 of the list survey, which is a lime-
stone 12 x 6 x 6 ins. above ground, marked

and witnessed as described by the Forest Ser-

vice, bears S. 8° 20' W., 7.42 chs. dist. I

destroy all trace of this list cor.

Thence S. 53° 00' E.

Over listed land. Descend 10 ft. in open to cor.

Fence on line.

6.37 Fence cor., fence bears N. 78° E. Leave fence.

12.23 To cor. No. 9.

Identical with cor. H-2 of the list survey, which is
a limestone 12 x 5 x 6 ins. above ground, marked and
witnessed as described by the Forest Service. I de-

stroy all trace of this list cor. Deposit a lime-

stone 7 x 4 x 3 ins. marked with a +, 16 ins. in the
ground, over which set a limestone 26 x 12 x 6 ins.,

chiseled + for the point and 9 - H E S 393 on W. face;
and raise a mound of stone 3 ft. base, 2 ft. high W.

of cor., whence:

A yellow pine, 18 ins. dia., bears N. 36° 21' E.,

88 lks. dist., scribed 9 H E S 393 + B T.

A yellow pine, 18 ins. dia., bears North, 82 lks.

dist., scribed 9 H E S 393 + B T.

Thence N. 85° 30' E.

In open, over level land.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

0.30 Fence bears NE. and SW.

8.24 Cor. H-1 of the list survey, which is a limestone 12 x 8 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Leave listed and enter unlisted land.

8.39 Fence bears N. 6° W. and S. 6° E.

10.04 To cor. No. 10.

Deposit a limestone 5 x 4 x 2 ins. marked with a +, 16 ins. in the ground, over which set a limestone 26 x 8 x 5 ins., chiseled + for the point and 10 - H E S 393 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:

A yellow pine, 6 ins. dia., bears N. 76° 42' W., 94 lks. dist., scribed 10 H E S 393 + B T.

A yellow pine, 32 ins. dia., bears N. 43° 11' E., 140 lks. dist., scribed 10 H E S 393 + B T.

Thence S. 6° 00' E.

Across open draw.

2.35 Arroyo, 15 lks. wide, 3 ft. deep, course E.

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

AREA

Listed Area - - - - -	23.93 acres
Unlisted Area - - - - -	6.86 acres
Total Area - - - - -	30.79 acres

IMPROVEMENTS

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

A log house, 24 x 18 ft., the long side of which bears NE. and SW. and the N. cor. of which bears S. 5° 40' W.

Chains

6.12 chs. dist. from cor. No. 8.

Value ----- \$500.00

A log barn, 30 x 30 ft., the North cor. of which bears
S. 85° 51' E., 5.08 chs. dist. from cor. No. 7.

Value ----- \$400.00

There are approximately 1-1/2 miles of wire fence.

Value ----- \$175.00

DESCRIPTION

This claim is situated in an open draw with low timbered
ridges to NW. and SE. The general slope is ENE. and
the elevation is 6800 ft.

The timber consists of scattered yellow pine along
boundary lines and on the slopes.

The soil in bottom is a sandy loam of good depth, free
from surface and outcropping rocks, and produces good
crops. The soil on the slopes is rocky and shallow.

Water for domestic use is obtained from a small creek
flowing through the tract. There is no water for
irrigation.

There are approximately 15 acres in cultivation.

I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims. H. E.
No. 740, patented to N. S. Bly, embracing the S/2 NW/4,
N/2 SW/4, Sec. 12, lies approximately 1/4 mile to the
East.

Winslow, Arizona, the nearest post office and railroad
point, is 45 miles to North.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

TRAVERSE

aligned

Cor.	Course	Dist.	N	S	E	W.
1-2	S. 87° 12' W.	14.63		0.71 ✓		14.61 ✓
2-3	S. 43° 08' W.	18.23		13.30 ✓		12.46 ✓
3-4	S. 10° 15' W.	10.35		10.18 ✓		1.84 ✓
4-5	N. 39° 37' W.	13.03	10.04 ✓			8.31 ✓
5-6	N. 57° 06' E.	10.59	5.75 ✓		8.89 ✓	
6-7	N. 5° 08' E.	10.00	9.96 ✓		0.89 ✓	
7-8	N. 43° 27' E.	10.72	7.78 ✓		7.37 ✓	
8-9	S. 53° 00' E.	12.23		7.36 ✓	9.77 ✓	
9-10	N. 85° 30' E.	10.04	0.79 ✓		10.01 ✓	
10-1	S. 6° 00' E.	2.80		2.78 ✓	0.29 ✓	
		<u>112.62</u>	<u>34.32</u>	<u>34.33</u>	<u>37.22</u>	<u>37.22</u>
Error in Lat. and Dep.				<u>.01</u>		<u>.00</u>

Closing error, 1:11262.

Survey completed June 4, 1916.

P. L. Johnson

Surveyor - Draftsman

60

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

Form 85
Sheet No. 2

NATIONAL FOREST

STATE OF

Chains

Chains

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Survey completed June 4, 1916.
 Closing error, 1.1158.
 Error in lat. and dep. 1.01.

[Signature]
 Surveyor - District

Chains

DIRECT SOLAR.

June 4, 1916 at Cor. No. 1, H. E. S. 393 of A. M.
Hancock.

Lat. $34^{\circ} 37' N.$, Long. $111^{\circ} 10' W.$, Elevation 6800 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	8h. 47m. 23s.	$86^{\circ} 29' 00''$	$46^{\circ} 55' 30''$	+
Reversed	8h. 48m. 20s.	$87^{\circ} 00' 00''$	$46^{\circ} 35' 30''$	+
	8h. 47m. 51s.	$86^{\circ} 44' 30''$	$46^{\circ} 45' 30''$	
			$43''$	
			$46^{\circ} 44' 47''$	

Decl. $22^{\circ} 27' 10''$

$$\text{Cos. } Q. = \frac{\sin. 22^{\circ} 27' 10''}{\cos. 34^{\circ} 37' \times \cos. 46^{\circ} 44' 47''} - \tan. 34^{\circ} 37' \times \tan. 46^{\circ} 44' 47''$$

$$\begin{aligned} \log. \sin. 22^{\circ} 27' 10'' &= + 9.581975 \\ \log. \cos. 34^{\circ} 37' 00'' &= - 9.915385 \\ \log. \cos. 46^{\circ} 44' 47'' &= - 9.835837 \\ \hline &9.830753 = \log. .67726 \end{aligned}$$

$$\begin{aligned} \log. \tan. 34^{\circ} 47' 00'' &= 9.839027 \\ \log. \tan. 46^{\circ} 44' 47'' &= 10.026491 \\ \hline &9.865518 = \log. .73370 \end{aligned}$$

$$\begin{aligned} \text{Cos. } Q. &= .05644 \\ Q. &= 86^{\circ} 45' 52'' \end{aligned}$$

Bearing of reference object N. $0^{\circ} 01' 22'' W.$

(2)

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	8h. 44m. 27s.	$86^{\circ} 56' 00''$	$46^{\circ} 20' 00''$	+
Reversed	8h. 45m. 25s.	$87^{\circ} 26' 00''$	$46^{\circ} 00' 00''$	+
	8h. 44m. 56s.	$87^{\circ} 11' 00''$	$46^{\circ} 10' 00''$	
			$44''$	
			$46^{\circ} 09' 16''$	

Decl. $22^{\circ} 27' 10''$

$$\text{Cos. } Q. = \frac{\sin. 22^{\circ} 27' 10''}{\cos. 34^{\circ} 37' \times \cos. 46^{\circ} 09' 16''} - \tan. 34^{\circ} 37' \times \tan. 46^{\circ} 09' 16''$$

$$\begin{aligned} \log. \sin. 22^{\circ} 27' 10'' &= 9.581975 \\ \log. \cos. 34^{\circ} 37' 00'' &= 9.915385 \\ \log. \cos. 46^{\circ} 09' 16'' &= 9.840557 \\ \hline &9.826033 = \log. .66994 \end{aligned}$$

$$\begin{aligned} \log. \tan. 34^{\circ} 37' 00'' &= 9.839027 \\ \log. \tan. 46^{\circ} 09' 16'' &= 10.017505 \\ \hline &9.856532 = \log. .71867 \end{aligned}$$

$$\begin{aligned} \text{Cos. } Q. &= .04873 \\ Q. &= 87^{\circ} 12' 25'' \end{aligned}$$

Bearing of reference object, N. $0^{\circ} 01' 25'' W.$

Chains

Chains

Bearing of reference object N. 0° 01' 25" W.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	8h. 44m. 27s.	88° 58' 00"	48° 59' 00"	+
Reversed	8h. 45m. 25s.	87° 58' 00"	48° 59' 00"	-
		8h. 44m. 25s.	88° 44' 30"	48° 59' 00"
		<u>48° 59' 15"</u>		
Teal. 23° 27' 10"				
Cos. 9. =				
$\frac{\cos. 24^\circ 27' 10" \times \cos. 48^\circ 59' 15"}{\cos. 24^\circ 27' 10" \times \tan. 48^\circ 59' 15"}$				
Loc. tan. 24° 27' 10" =	10.07408			
Loc. tan. 48° 59' 15" =	1.13727			
Loc. tan. 24° 27' 10" =	0.44837			
Loc. cos. 24° 27' 10" =	0.91338			
Loc. sin. 23° 27' 10" =	0.39578			
Loc. cos. 48° 59' 15" =	0.65894			
Bearing of reference object N. 0° 01' 25" 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. I. 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. 393, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 87° 12' W.	14.63		0 71		14 61	59 83		42 48
2-3	S. 43° 08' W.	18.23		13 30		12 46	32 76		435 38
3-4	S. 10° 15' W.	10.35		10.18		1 84	18 46		187 92
4-5	N. 39° 3' W.	13.03	10 04			8 31	8 31	83 43	
5-6	N. 57° 06' E.	10.59	5 75		8 89		8 89	51 12	
6-7	N. 5° 08' E.	10.00	9 96		0 89		18 67	185 95	
7-8	N. 43° 27' E.	10.72	7 78		7 37		26 93	209 52	
8-9	S. 53° 00' E.	12.23		7 36	9 77		44 07		324 36
9-10	N. 85° 30' E.	10.04	0 79		10 01		63 85	50 44	
10-1	S. 6° 00' E.	2.80		2 78	0 29		74 15		206 14
		112.62	34 32	34 33	37 22	37 22		580 46	1196 28
			34 32	34 32	37 22	37 22		580 46	580 46
								615 82	615 82
								50 79	50 79 Acres.

63

EMH

APPROVAL

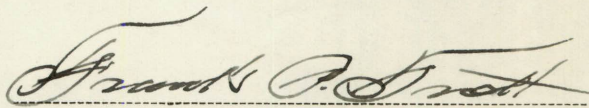
Office of the United States Surveyor General,

Phoenix, Arizona, June 14, 1918.

The foregoing field notes of Homestead Entry Survey No.

393

executed by R. P. A. Johnson, Surveyor-Draftsman
[Forest Service Title.]
under his special instructions, dated July 9, 1915, 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.