

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

75

JAN 21 1915

JUN 3 1914

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FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 95

SITUATED IN THE

Coconino NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 27, surveyed, Township 19 N., Range 6 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by W. H. Finigan, Forest Service Surveyor
Under special instructions dated September 29, 1913., 19
Survey commenced November 3, 1913., 19
Survey completed November 16, 1913., 19
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing O. P. Harding
Residence Flagstaff, Arizona
Application No. 43, dated October 6,, 1907.
List No. 3-1585, dated November, 10,, 1911.
Applicant for survey O. P. Harding
Residence Flagstaff, Arizona
H. E. No. 017938, dated June 29, 1912.
Land district Phoenix, Arizona

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OATH OF ASSISTANTS

We hereby certify that we assisted W. H. Finigan
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 95 in
surveyed Section 27, Township 19 N., Range 6 E.,
surveyed Section -----, Township -----, Range -----,
of the G. & S. River B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey 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 fur-
nished by the United States Surveyor General for Arizona

Jesse S. Bushnell Chairman
jos Andrew Flagman
H. B. Day Chairman
J. H. Power Chairman

Subscribed and sworn to before me this fifteenth day of
November, 1913.

W. H. Finigan
Forest Service Surveyor.

OATH OF SURVEYOR

I, W. H. Finigan, Forest Service Surveyor, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
September 29, 1913, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land upon the application of ~~embraced in~~
List, No 3-1585, dated November 10 1911 for
Patent, under the Act of June 11, 1906, 1906,
the same to be known as Homestead Entry Survey No. 95,
situated within the Coconino National Forest, in
surveyed Section 27, Township 19 N., Range 6 E., and
surveyed Section ---, Township ---, Range -----,
of the Gila and Salt River Base and meridian

~~of the~~ ----- 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 perpet-
uated in strict accordance with the stated special instruc-
tions, and in the specific manner described in the field
notes, and that the following are the original field notes
of such survey.

W. H. Finigan
Forest Service Surveyor.

Subscribed and sworn to before me this 19th day of
November, 1913.

Chas. H. Adams
NOTARY PUBLIC



COCONINO NATIONAL FOREST

ARIZONA

Chains O. P. Harding, applicant for listing. Application No. 43, dated October 6, 1907. List No. 3-1585, dated November 10, 1911. Phoenix Serial No. 017938, dated June 29, 1912.

Surveyed under special instructions from the Surveyor General for Arizona, dated September 29, 1913, and designated as Homestead Entry Survey No. 95.

This survey is based on listing under the Act of June 11, 1906, and authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey is located in Sec. 27 surveyed T. 19 N., R. 6 E. of the Gila and Salt River Base and the Meridian in the Coconino National Forest, Arizona.

This survey was executed with a W. and L. E. Gurley light mountain transit equipped with a Burt solar attachment.

The distances were measured with a 200 link steel tape directly on the slope and the slope angles determined with a clinometer; and by means of a stadia rod.

November 2, 1913:

I measure a base line 12 chs. long and at several points on this base test the wire interval. C. and F. of instrument is 1.2 lks. Average value of wire interval is 1.998

The courses of this survey were deflected from the true meridian as determined by solar observation.

November 4, 1913, at 3 h. 40 m. p.m., l.m.t., I observe the sun for azimuth at cor. Lots 22, 23, sec. 27, and Lots 3 and 4 sec. 34, as follows:

COCONINO NATIONAL FOREST

ARIZONA

Chains

Angle rt. Ref. Pt. to Sun.	Obs. alt. Sun	Position Sun	Position Telescope
326° 35'	15° 26'	+	Direct.
326° 27'	15° 32'	+	Reversed.

Lat. 35° 01/2' N.

Therefore bearing to reference point is N. 88° 32' W.

November 6, 1913, at 9 h. 10 m. a.m., l.m.t., I observe

sun for azimuth at cor. Lots 22, 23 sec. 27, and cor.

Lots 3 and 4 sec. 34, as follows:

Angle rt. ref. Pt. to Sun.	Obs. alt. Sun	Position Sun	Position Telescope
225° 50'	27° 13'	+	Direct
225° 52'	27° 04'	+	Reversed

Lat. 35° 01/2' N. Long. 111° 43' 14" W.

Therefore bearing to reference point is N. 88° 30' W.

Average bearing to reference point is N. 88° 31' W.

On the meridian thus established I test the solar attachment and find it to be in adjustment.

November 3, 1913. Cloudy, no lat. observation.

Beginning at the 1/4 sec. cor. bet. secs. 27 and 34, which is a malpais stone 16 x 10 x 10 ins. in mound of stone,

marked and witnessed as described by Surveyor General;

thence N. 88° 44' W. on a random line bet. secs. 27 and

34. I am unable to chain along this line on account

of perpendicular wall of Oak Creek, therefore I measure

by stadia as follows: rod reading 7.617 ft. angle

10° 48' = distance 14.70 chs., thence chaining 5.63 chs.,

thence by stadia rod reading 12.181, angle 9° 21' =

distance 23.71 chs., thence by stadia rod reading 5.106,

angle 18° 22' = distance 9.20 chs., thence by stadia

rod reading 10.325, angle 18° 29' = distance 18.57 chs.,

thence, by stadia rod reading 4.799, angle 28° 02' =

distance 7.48 chs., thence by chaining 1.68 chs. Total

distance from 1/4 sec. cor. bet. secs. 27 and 34 is

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

80.97 chs., whence north end of base line bears S. 28° 36' E., South end of base bears S. 1° 51' E., flag on west rim canyon bears S. 51° 23' W., W. C. for cor. secs. 27, 28, 33 and 34, which is a sandstone 16 x 10 x 10 ins. in mound of stone marked and witnessed as described by Surveyor General, bears S. 86° 40' W. November 4, 1913, at 11h. 43m., 40s., a.m., l.m.t. Lat. 35° 01/2' N.

It is impossible to proceed farther on this line either by chaining or stadia on account of precipitous walls of the west fork of Oak Creek. I then proceed to north end of base which I lay off in level alfalfa field in the bottom of Oak Creek, whence S. end base line bears S. 45° 29' W., 17.09 chs. and point N. 88° 44' W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34, bears N. 28° 36' W. I then proceed to south end of base whence point N. 88° 44' W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 bears N. 1° 51' W. and flag on W. rim canyon bears N. 77° 23' W., therefore angles in the order of measurement are

26° 45'
105° 55'
47° 20'
<hr/>
180° 00'

November 5, 1913, Lat. at 12M. 35° 01/2' N. Therefore distance from point N. 88° 44' W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 to south end of base is 36.51 chs.

Then I proceed to flag on west rim of canyon, whence the south end of base bears S. 77° 23' E. and point N. 88° 44' W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 bears N. 51° 23' E. and W.C. for cor. secs. 27, 28, 33, 34 bears N. 33° 44' W. Therefore angles in the order of measurement are

53° 14'
75° 32'
51° 14'
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180° 00'

Therefore dist. from flag on west rim to point N. 88° 44'

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STATE OF ARIZONA

Chains W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 is 45.34 chs.

November 6, 1913. Cloudy, no lat. observation possible. I then proceed to W.C. for secs. 27, 28, 33 and 34, whence point N. $88^{\circ} 44'$ W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 bears N. $86^{\circ} 40'$ E. and flag on west rim of canyon bears S. $35^{\circ} 44'$ E. Therefore angles in order of measurement are

35° 17'
85° 07'
59° 36'
180° 00'

Therefore dist. from point N. $88^{\circ} 44'$ W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 to W.C. for cor. secs. 27, 28, 33 and 34 is 52.38 chs.

Therefore the distance from point N. $88^{\circ} 44'$ W., 80.97 chs. from 1/4 sec. cor. bet. secs. 27 and 34 to cor. of secs. 27, 28, 33 and 34 is 52.30 chs. N. $88^{\circ} 44'$ W. which makes the distance from said 1/4 sec. cor. to said sec. cor. S. $88^{\circ} 44'$ E., 133.27 chs.

I return to point S. $88^{\circ} 44'$ E. 80.03 chs. from cor. secs. 27, 28, 33, 34 and run N. $88^{\circ} 44'$ W. 11 lks. to position for cor. of Lots 22, 23 sec. 27, which I determine by proportionate distance.

November 7, 1913. Cloudy, no observation for lat. Beginning at the 1/4 sec. cor. bet. secs. 22 and 27 which is a malpais stone 10 x 12 x 5 ins. in mound of stone, marked and witnessed as described by the Surveyor General; thence N. $87^{\circ} 25'$ W. on random line bet. secs. 22 and 27, 12.80 chs. I am unable to chain farther on this line due to impassable walls of Oak Creek, therefore I set a point in bottom of Oak Creek on line and set a flag on west rim of canyon on line. I then proceed to point in bottom of Oak Creek and run a base line N. $10^{\circ} 59'$ W., 13.77 chs. and S. $10^{\circ} 59'$ E., 4.66 chs.; from south end of base flag on east rim of canyon

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Chains bears N. 75° 56' E. and flag on west rim of canyon bears N. 81° 02' W. From north end of base flag on east rim bears S. 52° 59' E. and flag on west rim bears S. 72° 19' W.

November 8, 1913.

I return to flag on east rim of canyon and find the angle from the south end to north end of base to be 51° 05'.

Therefore the angles in the order of measurement are

86° 55'
42° 00'
51° 05'
180° 00'

Therefore distance from flag on east rim to intersection of sec. line and base line is 16.38 chs.

Nov. 12, 1913. Cloudy, no observation for lat.

I then proceed to flag on west rim of canyon and measure angle from north end to south end of base line which is 26° 39'. Therefore angles in order of measurement are

70° 03'
83° 18'
26° 39'
180° 00'

Therefore dist. from flag on west rim to intersection of base line and sec. line is 39.46 chs. and total dist. from 1/4 sec. cor. bet. secs. 22 and 27 to flag on west rim is 68.54 chs.

Thence S. 87° 25' E. chaining and at 113.91 chs. fall 29.5 lks. south of cor. of secs. 21, 22, 27 and 28, which is a malpais stone 10 x 12 x 6 ins. above ground, marked and witnessed as described by the Surveyor General. Therefore true line from cor. secs. 21, 22, 27 and 28 to 1/4 cor. bet. secs. 22 and 27 bears S. 87° 16' E. 113.91 chs. I return on true line and at 79.37 chs. establish position for cor. Lots 2 and 3 of Sec. 27.

November 13 and 14, 1913. Cloudy, no lat. observation.

From cor. of Lots 2 and 3, I run S. 0° 02' E. on random line bet. Lots 2 and 3, 10 and 11, 14 and 15, 22 and 23 and at 78.39 chs. fall 101 lks. east of position

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Chains for cor. of Lots 22 and 23, as heretofore determined.
 Therefore true line from cor. Lots 22 and 23 to cor.
 lots 2 and 3 is N. 0° 42' E. 78.40 chs.

November 10, 1913. Cloudy, no lat. observation.
 Beginning at cor. No. 1 and C C on line bet. secs. 22 and
 27, a malpais stone 24 x 10 x 6 ins. set 14 ins. in
 ground over stone marked + chiseled 1-HES95 on SW.
 face, C C on SE. face and 2 grooves on S. face; raise
 a mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.
 N. 87° 16' W. from cor. whence
 A pine 30 ins. in dia. scribed 1 H E S 95 C C B T,
 bears S. 65° 28' W. 65.5 lks.
 A sycamore 10 ins. in dia. scribed 1 H E S 95 C C
 B T, bears S. 5° 15' E. 106 lks.
 No other bearing objects available. Pits imprac-
 ticable.
 1/4 sec. cor. bet. secs. 22 and 27, heretofore
 described, bears S. 87° 16' E. 30.59 chs.
 Cor. secs. 21, 22, 27 and 28, heretofore described
 bears N. 87° 16' W.; 83.32 chs.
 Cor. No. 4 of list, which is a malpais stone in
 place showing 12 x 30 x 20 ins. above ground,
 marked and witnessed as described in field
 notes of listing survey, bears S. 28° 24' E.
 1.02 chs. Destroy same.
 Mag. Va. at 9 a.m. 15° 10' E. Mean Mag. Va. 15° 12' E.
 Lat. 35° 01-1/2' N. derived from observation with Burt
 Solar.
 Long. 111° 43' 14" W. derived from Special instructions
 for this survey from the Surveyor General.

Thence S. 28° 24' E.
 Over level ground.
 8.80 Center Oak Creek, 30 links wide, course SE.

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Chains

- 12.20 Arroyo, 10 lks. wide, course E.
- 21.75 Ascend N. side hill.
- 24.80 Impassable wall 75 ft. high, therefore offset N. 61° 36' E. 1.00 ch.
- 26.70 Offset S. 61° 36' W. 1.00 chs. to line 10 lks. SE. of impassable wall 50 ft. high, descend.
- 31.95 Center Oak Creek, 35 lks. wide, course SW., over level ground.
- 33.95 To cor. No. 2.
 Identical with cor. No. 5 of list, which is a sandstone 8 x 14 x 10 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a sandstone 24 x 17 x 6 ins., 14 ins. in ground over stone marked +, chiseled 2-HES95 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence,
 An alder, 24 ins. in dia., scribed 2 H E S 95 B T, bears S. 74° 30' W. 44.5 lks.
 An alder, 18 ins. in dia., scribed 2 H E S 95 B T, bears N. 4° 55' W. 56 lks.

November 15, 1913. Cloudy, no lat. observation.

Thence S. 36° 15' W.

Over level ground along west side of road.

4.00 Fence, bears NW. and SE., thence along inside of fence.

6.70 To cor. No. 3.

Identical with cor. No. 6 of list, which is a sandstone boulder showing 3 x 6 x 4 ft. above ground, marked and witnessed as described in field notes of listing survey. Destroy marks and chisel same boulder +, on top for exact point and 3-HES95 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence,

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Chains

An oak 18 ins. in dia., scribed 3 H E S 95 B T,
bears S. 32° 50' W. 95 lks.

An oak 24 ins. in dia., scribed 3 H E S 95 B T,
bears S. 85° 15' E. 72 lks.

Thence S. 58° 37' W.

Over rolling ground along west side road and fence.

2.00 Fence, bears NW.

4.30 Fence, bears NW.

5.32 To cor. No. 4,

Identical with cor. No. 7 of list, which is a malpais
boulder showing 2 x 5 x 4 ft. above ground, marked and
witnessed as described in field notes of listing survey.

Destroy marks and chisel same boulder +, on top for
exact point and 4-HES95 on side facing claim; raise
mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.
dist. within claim; whence,

An oak 16 ins. in dia., scribed 4 H E S 95 B T,
bears N. 10° 25' E. 8 lks.

An oak 12 ins. in dia., scribed 4 H E S 95 B T,
bears S. 52° 40' W. 43 lks.

Thence S. 21° 36' W.

Over rolling ground along fence.

9.65 To cor. No. 5.

Identical with cor. No. 8 of list, which is a sandstone

2 x 17 x 12 ins. above ground, marked and witnessed as
described in field notes of listing survey. Destroy
boulder showing 3 x 4 x 4 ft. above ground, marked and
same and set a malpais stone 24 x 12 x 6 ins., 14 ins.
in ground over stone marked +, chiseled 5-HES95 on side
facing claim, raise mound of stone 2 ft. base, 1-1/2 ft.
high, 3-1/2 ft. dist. within claim; whence,

A pine 12 ins. in dia., scribed 5 H E S 95 B T,
bears N. 12° 25' W. 30.5 lks.

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Chains	A pine 8 ins. in dia., scribed 5 H E S 95 B T,
-80	bears S. 69° 55' E., 55.5 lks.
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	Thence S. 31° 48' W.
	Over level ground along fence.
3.12	To cor. No. 6.
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<p>Identical with cor. No. 9 of list, which is a malpais stone 3 x 14 x 14 ins. above ground, marked and witnessed as described by field notes of listing survey. Destroy same and set a sandstone 24 x 10 x 6 ins., 14 ins. in ground over stone marked +, chiseled 6-HES95 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence:</p>	
-300	A pine 20 ins. in dia., scribed 6 H E S 95 B T,
	bears S. 13° 20' E., 168 lks.
	A pine 30 ins. in dia., scribed 6 H E S 95 B T,
	bears S. 75° 00' E., 87.5 lks.
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	Thence N. 76° 12' W.
	Over level ground inside fence, thru small timber.
6.80	Pole fence, bears NW. and SE.
7.38	To cor. No. 7.
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On line bet. Lots 14 and 15, Sec. 27.	
<p>A sandstone 30 x 12 x 6 ins. set 20 ins. in ground, over stone marked +, chiseled 7-HES95 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence:</p>	
An alder 16 ins. in dia., scribed 7 H E S 95 B T,	
bears S. 11° 15' W., 64.5 lks.	
An oak 12 ins. in dia., scribed 7 H E S 95 B T,	
bears S. 75° 25' E., 47 lks.	
<p>Cor. No. 1 of list, which is a malpais stone showing 10 x 10 x 6 ins. above ground, marked and</p>	

Chains	<p>witnessed as described in field notes of listing survey, bears S. 76° 12' E., 88 lks. Destroy same.</p> <p>Cor. Lots 22 and 23 of sec. 27 bears S. 0° 42' W., 30.31 chs.</p>
	<p>Thence N. 0° 42' E.</p> <p>Over level ground thru small timber along line bet. Lots 14 and 15, 10 and 11, 2 and 3, of sec. 27.</p> <p>3.20 Oak Creek, 45 lks. wide, course SW.</p> <p>8.75 Fence, bears NE. and SW., ascend gradually along W. side canyon thru small timber.</p> <p>22.80 Arroyo, 20 lks. wide, course SE.</p> <p>28.00 Top of ascent, 150 ft. in saddle, bears E. and W., descending thru small timber.</p> <p>39.05 Arroyo, 8 lks. wide, course E.</p> <p>39.14 To cor. No. 8.</p> <p>On line bet. Lots 2 and 3 of sec. 27.</p> <p>A sandstone 24 x 12 x 8 ins., set 14 ins. in ground over marked stone marked +, chiseled 8-HES95 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence:</p> <p>A pine 36 ins. in dia., scribed 8 H E S 95 B T, bears S. 19° 50' W., 85 lks.</p> <p>An oak 10 ins. in dia., scribed 8 H E S 95 B T, bears S. 81° 15' E., 31.5 lks.</p> <p>Cor. Lots 2 and 3, sec. 27, bears N. 0° 42' E., 8.95 chs.</p> <p>Cor. No. 2 of list, which is a sandstone 12 x 12 x 3 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 20° 04' E., 2.05 chs. Destroy same.</p>

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Chains November 16, 1913. Cloudy, no observation for lat. Thence N. 20° 04' W.

Ascending along west side canyon thru small timber.

1.00 Arroyo, 15 lks. wide, course E.

5.90 Top ascent, 50 ft. high, descend.

6.50 Foot of descent in bottom gulch, 50 ft. deep, course E., ascend.

9.69 To cor. No. 9 and C C on line bet. secs. 22 and 27.

A sandstone 24 x 10 x 8 ins. set on solid rock in mound of stone, chiseled 9-HES95 on SE. face, C C on S. face, and 2 grooves on S. face; raise mound of stone 2 ft.

base, 1-1/2 ft. high, 3-1/2 ft. S. 20° 04' E. from cor. whence

A fir 24 ins. in dia., scribed 9 H E S 95 C C B T, bears S. 36° 25' W., 61.5 lks.

An oak 10 ins. in dia., scribed 9 H E S 95 C C B T, bears S. 50° 25' E. 124 lks.

Cor. No. 3 of list, which is a sandstone 3 x 10 x 10 ins. above ground, marked and witnessed as described in field notes of listing survey, bears S. 20° 04' E. 97 lks. Destroy same.

1/4 sec. cor. bet. secs. 22 and 27, heretofore described bears S. 87° 16' E. 37.97 chs.

Cor. Secs. 21, 22, 27 and 28, heretofore described bears N. 87° 16' W. 75.94 chs.

Thence S. 87° 16' E.

Descending thru timber along line bet. secs. 22 and 27.

2.60 Oak Creek, 25 lks. wide, 50 ft. below cor. No. 9, course SE. over level ground.

3.43 Cor. Lots 2 and 3, Sec. 27.

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

Area

Total area of H.E.S.No. 95 63.11 acres.

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ARIZONA

Chains	Improvements
	The improvements on this claim, all of claimant herein, consist of the following:
	A log house, the SE. cor. of which bears from cor. No. 4 N. 58° 35' W. 6.00 chs. 18 x 30 ft., course of long side N. 20° E. Value \$100.00
	A log cabin, the SE. cor. of which bears from cor. No. 4 N. 58° 20' W. 6.50 chs. 9 x 12 ft., course of long side N. 80° W. Value \$ 20.00
	A log cabin, the NE. cor. of which bears from cor. No. 4 N. 62° 45' W. 7.20 chs. 8 x 10 ft., course of long side E. Value \$ 10.00
	An outhouse, the NE. cor. of which bears from cor. No. 4 N. 63° 05' W. 6.40 chs. 4 x 4 ft. course of side N. Value \$ 5.00
	A pole barn, the SE. cor. of which bears from cor. No. 4 N. 41° 45' W. 5.30 chs. 15 x 24 ft., course of long side N. 45° E. Value \$ 25.00
	About 3/4 mile of pole fence. Value \$ 50.00
	Total estimated value of improvements \$210.00

DESCRIPTION

This claim lies in the canyon formed by Oak Creek and is partly level bottom land and partly a rocky hill. The claim is covered by small timber but very little of it is of commercial value.

The natural precipitation is depended upon to raise crops, but Oak Creek which traverses the claim would furnish an abundant supply for irrigation purposes. The claimant has under cultivation approximately 9 acres in fruit and hay, and ground is well adapted for such crops. No mineralization observed nor known on claim.

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Chains

ADJOINING CLAIMS

0.00

No adjoining claims known.

The nearest town is Flagstaff, Arizona, about 18 miles distant, which is easily reached by a good wagon road. Sedona post office is southerly about 5 miles, but is only reached by trail.

Survey completed November 16, 1913.

Latitudes, Departures and Closing Errors.

Bearing	Distance	Latitude		Departure	
		N	S	E	W
S. 28° 24' E.	33.95		29.86	16.15	
S. 36° 15' W.	6.70		5.40		3.96
S. 58° 37' W.	5.32		2.77		4.54
S. 21° 36' W.	9.65		8.97		3.55
S. 31° 48' W.	3.12		2.65		1.64
N. 76° 12' W.	7.38	1.76			7.17
N. 0° 42' E.	39.14	39.14		0.48	
N. 20° 04' W.	9.69	9.10			3.32
S. 87° 16' E.	7.38		0.35	7.37	

	122.33	50.00	50.00	24.00	24.18
			<u>50.00</u>		<u>24.00</u>

Error in Lat. and Dep. .00 .18

Error of closure 1:680.

There being no officer qualified to administer oaths within a reasonable distance I administer oath of assistants in my official capacity.

Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

W. H. Finigan

Forest Service Surveyor.

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HOMESTEAD ENTRY SURVEY NO. 25850

FOREST NATIONAL FOREST

ARIZONA

Chains	ADJOINING CLAIMS				Chains
	No adjoining claims known.				
	The nearest town is Flagstaff, Arizona, about 18 miles distant, which is easily reached by a good wagon road. Sedona post office is southerly about 5 miles, but is only reached by trail.				
	Survey completed November 16, 1913.				
	Latitudes, Departures and Closing Errors.				
	Departure		Latitude		Bearing
	W	E	W	E	
3.96		16.12	29.86	32.99	S. 88° 34' E.
4.64			5.40	6.70	S. 86° 15' W.
3.53			8.77	5.32	S. 88° 37' W.
1.64			8.97	9.65	S. 81° 36' W.
7.17			2.68	3.12	S. 31° 48' W.
				7.38	S. 78° 12' W.
3.32	0.48		39.14	39.14	N. 0° 42' E.
			9.10	9.69	N. 20° 04' W.
	7.37	0.32		7.38	S. 87° 18' E.
24.18	24.00	50.00	50.00	122.23	
34.00		50.00			
18.		.00			Error in lat. and dep.
					Error of closure 1:680.
	There being no officer qualified to administer oaths within a reasonable distance I administer oaths to assistants in my official capacity.				
	Any discrepancy between these field notes and those of the listing survey is due to error in the latter.				
	Forest Service Surveyor.				

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.

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3. In calculations for balancing fallings should be proportional to the lengths of the lines. The corrections for fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF C. P. Harding H. E. Am. No. 95

8-2442

NO.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			North.	South.	East.	West.			
9-1	S. 87° 16' E. 99886.04769	687.08	035	738	38	737	258		
1-2	S. 28° 24' E. 47562.87765	2640.7	2986	3395	20	1615	92447		
2-3	S. 36° 15' W. 59151.80644	442.0	540	670	95	4321	23333		
3-4	S. 58° 37' W. 8537.52076	351.12	277	532	53	3473	9620		
4-5	S. 21° 36' W. 36812.92978	63696	897	965	54	2666	23914		
5-6	S. 31° 48' W. 52696.84759	20592	265	312	63	2149	5695		
6-7	N. 76° 12' W. 9713.22852	46906	176	738	16	1270	2235		
7-8	N. 0° 42' E. 07222.79796	2583.34	3914	3914	54	608	23797		
8-9	N. 20° 04' W. 34211.93929	689.59	910	969	31	331	3012		
		12233	5000	5000		2418	29044	155267	
						2412		29044	
								2/126223	
								63111 = 63.11 acres	

Observation Nov. 4, 1913 at 3:40 P. M. at Corsets 22 and 23. Lat. 35° 0 1/2'

Steel app. from Greenwich = 15° 16' 47.6"

Def. for. 11 in. 10 min. W. 8' 39.14"

Steel at 3:40 P. M. 15° 25' 26.74"

sin 15° 25' 30" = 9.4248437

cos. 35° 0 1/2' = 9.9133203

cos 15° 25' 30" = 9.5115234

tan 35° 0 1/2' = 9.8453612

tan 15° 25' 30" = 9.4407759

9.2860378

.19326

L. ref. point to sun. Obs. alt. sun Pos. sun

326° 35' 15' 26' Direct

326° 27' 15' 32' Reversed.

2/30 58

15° 29'

3' 27"

15° 25' 33"

ref. Refraction

Course to sun S. 57° 59' W.

L. def. to ref. point from sun 326° 31'

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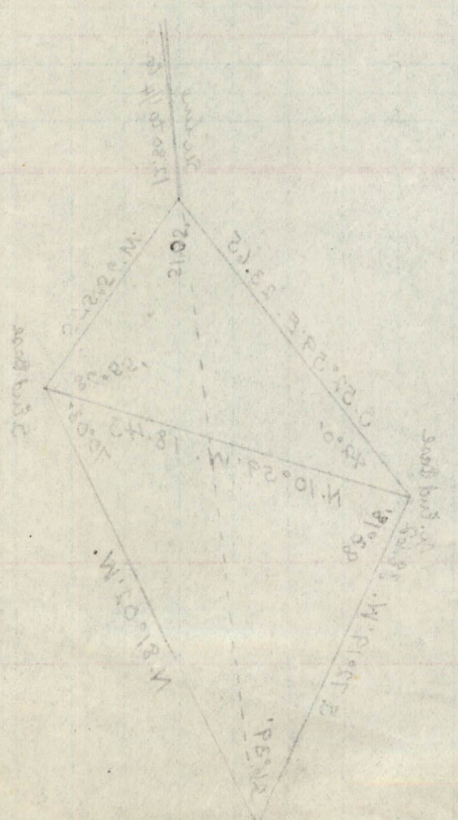
The corrections for balancing fallings should be proportional to the lengths of the lines. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

3. In calculations of fallings take result to nearest hundredth.

TABLING AND CALCULATIONS OF O. P. Harding H. E. Ave. No. 95.

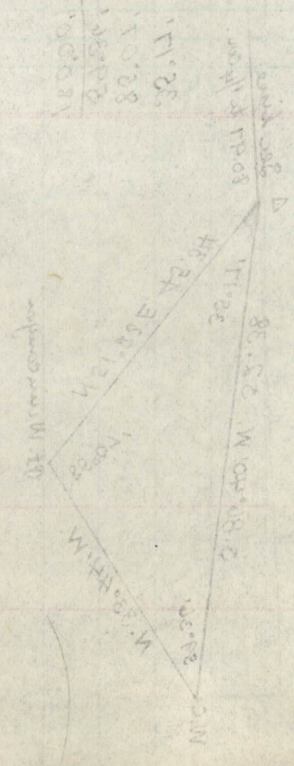
8-2442

NO.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
		$\log \sin 85^{\circ}07' = 9.9984207$ $\log 45.34 = 1.6564815$ 1.6549022 9.9357660 1.7191362 52.376							
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				
		52.38 420 52.30	305 115 420	420 52.29 420	52.29 000 52.29				



only 55.561 W. 44.88 N. 27.5 E. produced 45.000

Dist.	Angle	Dist.	Angle
25.25	450	25.25	211
000	450	000	202
25.25	450	25.25	202



NO.	COURSE	DISTANCE	BEARING	Dist.	BEARING

TABLES AND CALCULATIONS OF THE SURVEY

In calculations of angles care must be taken to preserve the order of the angles in the bearings and distances. Bearings are entered in the bearings column and distances in the distances column. The calculations for bearings are given in the bearings column and the calculations for distances in the distances column. The bearings are given in the bearings column and the distances in the distances column.

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TABLING AND CALCULATIONS OF O. P. Harding H. E. Am. No. 95

4415-1-1075

8-2442

NO.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	N. 72° 19' E.	3862	1173		3680				
	S. 10° 59' E.	1377		1352	262				
	N. 87° 25' W.	3946	178		3942				
			1351	1352	3942	3942			
	N. 10° 59' W.	1377	1352		262				
	S. 52° 59' E.	2365		1424	1888				
	N. 87° 25' W.	1628	073		1626				
			1425	1424	1888	1888			

Magnification
copy for transcribing

∴ north boundary Sec. 27 is $39.46 + 16.28 + 12.80 + 5.37 = 113.91$ chs.

96/1

76

W 81.52.W
 2 25.24.E
 W 10.23.W
 W 81.52.W
 2 10.24.E
 W 15.13.E

NO.	COURSE	DIAL/AGE	ZOON.	INVALENDE	SODAN.	DELYMILLES	W. DEL.	DOUBLE W. D.	W. VHEVE	E. VHEVE
		1021	010	1474	1881	1881	1881	1881		
		1022	020	1474	1881	1881	1881	1881		
		1023	030	1474	1881	1881	1881	1881		
		1024	040	1474	1881	1881	1881	1881		
		1025	050	1474	1881	1881	1881	1881		
		1026	060	1474	1881	1881	1881	1881		
		1027	070	1474	1881	1881	1881	1881		
		1028	080	1474	1881	1881	1881	1881		
		1029	090	1474	1881	1881	1881	1881		
		1030	100	1474	1881	1881	1881	1881		

TAVGING AND CALCULATIONS OF

... in calculations of ...
 ... the corrections for ...
 ... the corrections for ...
 ... the corrections for ...

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, February 5 1915 .

The foregoing field notes of Homestead Entry Survey No.

95,

O. P. Harding, claimant

executed by W. H. Finigan, Forest Service Surveyor
under his special instructions, dated September 29, 1913,
having been critically examined, and the necessary correc-
tions and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

I certify that the foregoing transcript of the field
notes of the above-described survey in Arizona,
has been correctly copied from the original notes on file in
this office.

Frank S. Ingalls
U. S. Surveyor General.

