

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 127

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

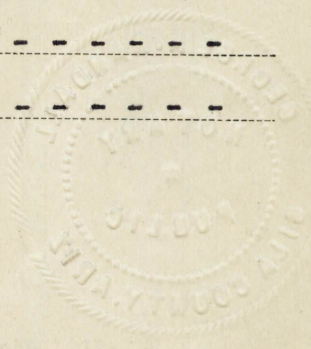
in

Section 9, surveyed, Township 10 N., Range 10 E.

of the

Gila and Salt River Base and Meridian.

Arizona



Survey executed by W. H. Finigan, Forest Service Surveyor

Under special instructions dated November 8, 1913

Survey commenced January 12, 1914

Survey completed January 15, 1914

Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing Mart McDonald

Residence Payson, Arizona

Application No. 109, dated December 15, 1910

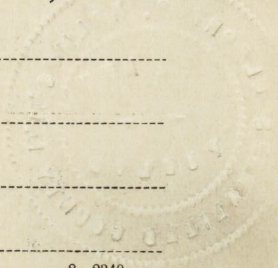
List No. 3-1082, dated June 3, 1911

Applicant for survey William H. Hilligass

Residence Payson, Arizona

H. E. No. 016642, dated February 7, 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. 127, in
--surveyed Section 9, Township 10 N., Range 10 E.,
--surveyed Section --, Township --, Range --,
-- -- --, Township --, Range --,
of the G. & S. R. 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

L. Vernon Slovaker, Chainman
E. J. Baecht, Chainman

Subscribed and sworn to before me this 25th day of
March, 1914.

George W. Randall
Notary Public

Commission expires
Feb. 26th 1914

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
November 8, 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. 3-1082 dated June 3, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 127,
situated within the TONTO National Forest, in
--surveyed Section 9, Township 10 N., Range 10 E., and
--surveyed Section --, Township --, Range --,
of the G. & S. R. B. & 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 22nd day of
April, 1914.

Clara B. Holmes
Notary Public
Bernalillo County, N.M.



My Commission expires
Oct. 16th, 1915.

TONTO NATIONAL FOREST

ARIZONA

Chains Applicant for listing, Mart McDonald, amended application No. 109, dated December 15, 1910; List No. 3-1082, dated June 3, 1911; H. E. No. 016642, dated February 7, 1912, made by Wm. H. Hilligass at Phoenix, Arizona.

Surveyed, under special instructions from the Surveyor General for Arizona dated November 8, 1913, and designated as Homestead Entry Survey No. 127.

Situated in Sec. 9, surveyed T. 10 N., R. 10 E. of the Gila and Salt River Base and Meridian within the Tonto National Forest, Arizona.

Listed under the Act of June 11, 1906, and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey was commenced January 12, 1914, and 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.

The courses of this survey were deflected from the true meridian as established by direct solar observation. January 13, 1914.

At 9 h. 00 m. a.m., l.m.t., observe sun for azimuth at a point N. 89° 59' E. 38.12 chs. from 1/4 sec. cor. bet.

secs. 8 and 9, as follows:

Angle rt. Ref. Pt. to Sun.	Obs. alt. Sun	Position Sun	Position Telescope
45° 22'	19° 33'	+	Direct
1. 45° 10'	19° 19'	+	Reversed
46° 25'	20° 19'	+	Direct
2. 46° 12'	20° 03' 30"	+	Reversed

Lat. 34° 14' N. Decl. 21° 32' 40"
 Long. 111° 20' W.
 Resulting course from station to reference point by

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ARIZONA

Chains first obsn. is East, and by second, N. 89° 58 1/2' E.

Average is N. 89° 59' E.

January 12, 1914. p.m.

Beginning at the 1/4 sec. cor. bet. secs. 8 and 9, which is a sandstone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 89° 50' E.

25.00 On a random line bet. N. and S. 1/2 of sec. 9.

January 13, 1914.

79.98 Fall 37 lks. N. of 1/4 sec. cor. bet. secs. 9 and 10,

which is a granite stone 8 ins. above ground, marked and witnessed as described by the Surveyor General.

At 12 h. 9 m. p.m., l.m.t., observe sun for lat. Observed alt. of sun's upper limb, 34° 32'.

Resulting lat. is 34° 14' N.

Thence N. 89° 54' W.

On true line bet. N. and S. 1/2 sec. 9, over mountainous land thru brush and scattered timber.

39.99 Temp. 1/4 sec. cor. at center of sec. 9.

49.99 Temp. SW. cor. SE/4 SE/4 NW/4 of sec. 9.

69.98 Temp. SE. cor. SW/4 SW/4 NW/4 of sec. 9.

79.98 To 1/4 sec. cor. bet. secs. 8 and 9, heretofore described.

Beginning at cor. secs. 4, 5, 8 and 9, which is a granite stone 7 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 89° 53' E.

On a random line bet. secs. 4 and 9.

40.06 Fall 20 lks. N. of 1/4 sec. cor. bet. secs. 4 and 9,

which is a granite stone 10 ins. above ground, marked

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Chains	and witnessed as described by the Surveyor General, and additionally marked T S M H 1 on E. face.
10.02	Thence N. 89° 50' W. On a true line bet. secs. 4 and 9. NW. cor. NE/4 NE/4 NW/4 of sec. 9.
30.04	NE. cor. NW/4 NW/4 NW/4 of sec. 9.
40.06	Cor. secs. 4, 5, 8, and 9, heretofore described.
40.00	Return to 1/4 sec. cor. bet. secs. 4 and 9, heretofore described. Thence S. 0° 02' E. On random line bet. E. and W. 1/2 of sec. 9.
80.17	January 14, 1914. Fall 11.5 lks. E. of 1/4 sec. cor. bet. secs. 9 and 16, which is + 1/4 chiseled on rock in place showing 1 x 10 x 6 ft. above ground, marked and witnessed as described by the Surveyor General.
40.11	Thence N. 0° 03' E. On true line bet. E. and W. 1/2 of sec. 9. 1/4 sec. cor. at center sec. 9, whence 1/4 sec. cor. bet. secs. 8 and 9 bears N. 89° 54' W. 39.94 chs. and 1/4 sec. cor. bet. secs. 9 and 10 bears S. 89° 54' E. 40.04 chs.
70.15	SE. cor. NE/4 NE/4 NW/4 sec. 9.
80.17	1/4 sec. cor. bet. secs. 4 and 9, heretofore described.
	Return to temp. SW. cor. SE/4 SE/4 NW/4 sec. 9, as here- tofore established and establish true position thereof, by running N. 89° 54' W. 3 lks. From true position for SW. cor. SE/4 SE/4 NW/4 Thence N. 0° 03' E. On random line bet. E. and W. 1/2 of E. 1/2 of NW/4

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Chains	sec. 9.	and witnessed as described by the survey
6.00	At 12 h. 9 m. p.m., 1.m.t., obs. sun for lat.	Observed alt. sun's center 34° 26', resulting lat. is 34° 14' N.
39.96	To NW. cor. NE/4 NE/4 NW/4 sec. 9, as heretofore established.	
		On a true line bet. E. and W. 1/2 of NW/4 of sec. 9.
		Thence S. 0° 03' W. 30.04 chs. to NW. cor. NE/4 NW/4 NW/4 sec. 9.
		On a true line bet. E. and W. 1/2 of E. 1/2 of NW/4 of sec. 9.
9.99	Temp. SW. cor. NE/4 NE/4 NW/4 sec. 9.	Return to NW. cor. NE/4 NW/4 NW/4 sec. 9.
39.96	To SW. cor. SE/4 SE/4 NW/4 sec. 9, as heretofore established.	
		On random line bet. E. and W. 1/2 of sec. 9.
		Return to SE. cor. NE/4 NE/4 NW/4 sec. 9, as heretofore established.
		Thence N. 89° 57' W. 80.17 chs. to NW. cor. NE/4 NW/4 NW/4 sec. 9.
		On true line bet. N. and S. 1/2 of NW/4 of sec. 9.
9.98	SW. cor. NE/4 NE/4 NW/4 sec. 9 and cor. No. 5 of this survey, whence:	
		NW. cor. NE/4 NE/4 NW/4 bears N. 0° 03' E. 9.99 chs.
		SW. cor. SE/4 SE/4 NW/4 sec. 9 bears S. 0° 03' W. 29.97 chs.
29.97	Temp. SE. cor. NW/4 NW/4 NW/4 sec. 9.	
39.96	SW. cor. NW/4 NW/4 NW/4 as determined and marked in connection with H. E. S. No. 125, Mrs. Gladden, claimant.	
		Return to NE. cor. NW/4 NW/4 NW/4 sec. 9, as heretofore established.
		Thence S. 0° 01' W. 40.11 chs. to NW. cor. NE/4 NW/4 NW/4 sec. 9.
		On random line bet. E. and W. 1/2 of NW/4 of sec. 9.
40.11	Fall 3.5 lks. W. of SE. cor. SW/4 SW/4 NW/4 sec. 9, as corrected.	
		On random line bet. E. and W. 1/2 of NW/4 of sec. 9.

Chains Thence N. 0° 02' W. 30.10 chs. to E. cor. No. 6 of this
 On true line bet. E. and W. 1/2 of W/2 NW/4 sec. 9.
 SE. cor. NW/4 NW/4 NW/4 sec. 9 and cor. No. 6 of this
 survey, whence: 8 x 8 x 8 sandstone 24 x 10 x 6 ins. in ground
 SW. cor. NW/4 NW/4 NW/4 sec. 9 bears S. 89° 57' W.
 9.99 chs., and to E. cor. No. 6 of this
 SE. cor. NE/4 NE/4 NW/4 sec. 9 bears N. 89° 57' E.
 29.97 chs. to E. cor. No. 6 of this
 NE. cor. NW/4 NW/4 NW/4 sec. 9 bears S. 89° 57' E.

January 15, 1914.

Beginning at Cor. No. 1. On line bet. E. & W/2, W/2 NW/4, Sec. 9.

Identical with cor. No. 4 of list, which is a sandstone

8 ins. above ground, marked and witnessed as described

in field notes of listing survey. Destroy same and

set a sandstone 24 x 10 x 6 ins. in ground

over stone marked +, chiseled 1-HES127 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 8 ins. dia. scribed 1. H E S 127 B T

bears S. 36° 45' W. 99 lks.

An oak 10 ins. dia. scribed 1. H E S 127 B T

bears N. 81° 16' W. 178 lks.

NE. cor. NW/4 NW/4 NW/4 sec. 9 bears N. 0° 02' W.

6.64 chs. to E. cor. No. 6 of this

Cor. secs. 4, 5, 8 and 9, heretofore described,

bears N. 56° 21' W. 12.00 chs.

Mag. Va. at 8 a.m. 14° 50' E. Mean Mag. Va. 14° 49' E.

Long. 111° 20' W. from Verde Reconnaissance Sheet U.S.G.S.

Thence S. 68° 10' E. 1.21 chs. to E. cor. No. 6 of this

Along S. bdy. Payson townsite over level open ground
inside fence.

2.41 To cor. No. 2.

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Chains Identical with cor. No. 3 of list, which is a sandstone
 .8 ins. above ground, marked and witnessed as described
 in the field notes of listing survey. Destroy same
 and set a sandstone 24 x 8 x 6 ins. 14 ins. in ground,
 over stone marked +, chiseled 2-HES127. 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 cedar 8 ins. dia. scribed 2 H E S 127 B T

bears S. 63° 47' W. 51 lks.

A pine 24 ins. dia. scribed 2 H E S 127 B T

bears N. 28° 33' W. 195 lks.

Identical with cor. No. 4 of list, which is a sandstone
 Along S. bdy. Payson townsite, over level open ground.

0.75 Intersection of wire fences, bears N. and S. and NW.

1.20 West side frame barn, SW. cor. of which bears S. 10° 0' W.

1.53 East side of frame barn, the SE. cor. of which bears S. 10° 0' W. 4 lks.;

4.50 Fence, bears N. and S.

4.67 SW. cor. frame barn, bears N. 4° 0' E. 4 lks.

4.77 To cor. No. 3.

Identical with cor. No. 2 of list, which is a sandstone
 6 ins. above ground, marked and witnessed as described
 in field notes of listing survey. Destroy same and
 set a sandstone 24 x 9 x 6 ins. 14 ins. in ground over
 broken glass, chiseled 3-HES127. 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 24 ins. dia. scribed 3 H E S 127 B T

bears N. 58° 10' W. 197 lks.

No other witness objects available. Pits impracticable.

To cor. No. 3

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ARIZONA

Chains Thence S. 89° 39' E. 1.30
 Along S. bdy. Payson townsite over level open ground. 30.3
 0.70 NW. cor. of out-house
 0.76 NE. cor. of out-house
 1.10 NW. cor. frame shed
 1.28 NE. cor. frame shed
 1.60 Out-house, bears S. 0° 21' W. 18 lks.
 1.80 Wire fence, bears N. and S.
 1.94 Out-house, bears S. 0° 21' W. 19 lks.
 2.45 NW. cor. frame house bears S. 0° 21' W. 7 lks.
 3.28 Board Fence, bears N. and S., cor. thereof bears N. 10 lks
 5.75 Enter corral, bears N. and S., SW. cor. frame barn bears
 N. 10 lks.
 6.35 Leave corral, bears N. and S., SE. cor. frame barn bears

N. 10 lks.

13.00 To cor. No. 4.
 On line bet. E and W 1/2, NE/4 NW/4 sec. 9.
 Identical with cor. No. 1 of list, which is a sandstone
 2 ins. above ground, marked and witnessed as described
 in field notes of listing survey. Destroy same and
 set a sandstone 24 x 14 x 6 ins. 14 ins. in ground
 over broken glass, chiseled 4-HES127 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 cottonwood 18 ins. dia., scribed 4 H E S 127 B T
 bears N. 87° 0' E. 206 lks.
 No other bearings available. Pits impracticable.
 NW. cor. NE/4 NE/4 NW/4 sec. 9 bears N. 0° 03' E.
 7.96 chs.

Thence S. 0° 03' W.

Over level ground along line bet. E. and W. 1/2 NE/4 NW/4 sec. 9:

Chains

1.30 Wire fence, bears E. and W. Enter cultivated field.

2.03 To cor. No. 5.

Identical with SW. cor. NE/4 NE/4 NW/4 sec. 9 and cor.

No. 6 of list, which is a sandstone 22 x 10 x 5 ins.

lying on top of ground, marked and witnessed as described in field notes of listing survey. Destroy

same and set a sandstone 24 x 14 x 6 ins. 14 ins. in ground over broken glass, chiseled 5-HES127 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 cottonwood 26 ins. dia., scribed 5 H E S 127 B T

bears N. 71° 56' E. 243 lks.

No other bearings available. Pits impracticable.

Thence N. 89° 57' W.

Along line bet. N. and S. 1/2, NE/4 of NW/4 sec. 9, thru cultivated field.

3.40 Wire fence, bears NE. and SW. Leave cultivated field, over meadow.

7.20 Wire fence, bears N. and S.

16.90 Wire fence, bears N. and S.

19.99 To cor. No. 6.

Identical with SE. cor. NW/4 NW/4 NW/4 sec. 9 and cor.

No. 5 of list, which is a sandstone 6 ins. above ground

marked and witnessed as described in field notes of

listing survey. Destroy same and set a sandstone 24 x

12 x 6 ins. 14 ins. in ground, over stone marked +,

chiseled 6-HES127 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. with-

in claim; whence,

A cedar 8 ins. dia., scribed 6 H E S 127 B T

bears N. 38° 31' E. 286 lks.

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HOMESTEAD ENTRY SURVEY NO. 127

TONTON NATIONAL FOREST

ARIZONA

Chains

An oak 12 ins. dia., scribed 6 H E S 127 B T
bears N. 26° 11' W. 376 lks.

Thence N. 0° 02' W.

Over level open ground along line bet. E. and W. 1/2

NW/4 NW/4 sec. 9, inside fence.

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

Area of Homestead Entry Survey No. 127.

Total Area 4.45 acres.

Improvements

The improvements made upon or for the benefit of this
claim consist of:

About 1/2 mile of wire fence, Value \$ 75.00

Claimant has about .3 acres of this claim under culti-
vation, the remainder being good grass land.

This claim also has the following improvements located
thereon.

A frame barn, the SW. cor. of which bears from cor. No. 2
S. 84° 20' E. 1.20 chs. 22 x 20 ft., long side bears
S. 80° E. Claimant unknown. Partly outside of claim.

An out-house, the NW. cor. of which bears from cor. No.
3, S. 89° 39' E. 70 lks. dist. 4 x 4 ft., side bears N.
and S. Claimant unknown.

A frame shed, the NW. cor. of which bears from cor. No. 3,
S. 89° 39' E. 1.10 chs. 9 x 12 ft., long side bears
S. 86° E. Claimant unknown.

An out-house, the NW. cor. of which bears from cor. No. 3,
S. 83° 30' E. 1.60 chs. 4 x 4 ft., long side bears
N. and S. Claimant unknown.

An out-house, the NW. cor. of which bears from cor. No. 3,
S. 84° 0' E. 1.95 chs. 4 x 4 ft., long side bears

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ARIZONA

Chains

N. and S. Claimant unknown.
 A frame house, the NW. cor. of which bears from cor. No. 3, S. 88° 0' E. 2.45 chs. 15 x 32 ft., long side bears E. and W. Claimant unknown.

GENERAL DESCRIPTION

This claim lies in an open valley or draw, having a gentle slope to the West. It is open and free from timber.
 The natural rainfall is depended upon to raise crops. It is chiefly valuable for agricultural purposes, crops of corn and grass hay being the principal products, and is chiefly valuable for such purposes.
 No mineralization was observed or known on claim.

Conflicts and Adjoining Claims.

This survey is bounded on the North by Payson, Arizona, townsite, unsurveyed; on the East by H. E. No. 0288, SW/4 SW/4 SE/4 and SE/4 SE/4 SW/4 sec. 4, and N/2 NE/4, E/2 NE/4 NW/4 sec. 9, patented to August Pieper; on the South by H. E. No. 016642, SW/4 NE/4 NW/4, SE/4 NW/4 NW/4 and N/2 NW/4 SE/4 NW/4, of claimant herein; and on the West by the Payson Ranger Station Site, unsurveyed.

This claim is located at Payson, Arizona, a small settlement and post office.

Survey completed January 15, 1914.

TONTON NATIONAL FOREST

ARIZONA

Chains

Chains

TRAVERSE

Course	Dist.	Latitude		Departure	
		N	S	E	W
S. 68° 10' E.	2.41		0.90	2.24	
S. 86° 0' E.	4.77		0.33	4.76	
S. 89° 39' E.	13.00		0.08	13.00	
S. 0° 03' W.	2.03		2.03		0.00
N. 89° 57' W.	19.99	0.02			19.99
N. 0° 02' W.	3.37	3.37			0.00
	45.57	3.39	3.34	20.00	19.99
		<u>3.34</u>		<u>19.99</u>	
Error in Lat. and Dep.		.05		.01	

Closing Error 1:1119

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

W. H. Frisgar
Forest Service Surveyor.

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HOMESTEAD ENTRY SURVEY NO. 4285

FOREST NATIONAL FOREST

ARIZONA

Chains	TRAVERSE			Chains
Departure W	Latitude S	Dist.	Course	
0.00	0.90	2.41	S. 88° 10' E.	
19.99	0.33	4.77	S. 88° 01' E.	
00.00	0.08	12.00	S. 89° 39' E.	
	2.03	2.03	S. 0° 03' W.	
		19.99	N. 89° 57' W.	
00.00		2.27	N. 0° 02' W.	
19.99	20.00	2.27		
	<u>19.99</u>	<u>2.24</u>		
	01.	05.	Error in lat. and Dep.	
			Closing Error 1:1119	

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

W. H. Thompson
Forest Service Surveyor.

TONTON NATIONAL FOREST
ARIZONA

Chains

Obsn. Jan. 13, 1914 at 9h. Om., a.m., l.m.t. at point
N. $89^{\circ} 59'$ E. 38.12 chs. from $1/4$ cor. bet. Secs. 8 & 9.

Lat. $34^{\circ} 14'$ Decl. app. noon Greenwich $21^{\circ} 34' 31.6''$

Dif. for 4h. 30m. W. $1' 52.5''$

Decl. at 9h. Om. 2.m. $21^{\circ} 32' 39.1''$

Angle rt. ref. pt. to sun	Obs. alt. sun	Pos. sun	Telescope
------------------------------	---------------	----------	-----------

1. $45^{\circ} 22'$	$19^{\circ} 33'$	$\odot+$	Direct
$45^{\circ} 10'$	$19^{\circ} 19'$	\ominus	Reversed

2. $46^{\circ} 25'$	$20^{\circ} 19'$	$\odot+$	Direct
$46^{\circ} 12'$	$20^{\circ} 03\frac{1}{2}'$	\ominus	Reversed

1. $19^{\circ} 33'$

$19^{\circ} 19'$

2) $38^{\circ} 52'$

$19^{\circ} 26'$

$2' 16''$ Refraction corrected for elevation 5,200 ft.

$19^{\circ} 23' 44''$

Sin. $21^{\circ} 32' 40'' = 9.5649297$

Cos. $34^{\circ} 14' = 9.9173760$

9.6475537

Cos. $19^{\circ} 23' 40'' = 9.9746291$

$9.6729246 = .47090$

Tan. $34^{\circ} 14' = 9.8327963$

Tan. $19^{\circ} 23' 40'' = 9.5466002$

9.3793965

$.23955$

$.71045 = 44^{\circ} 44'$

Course Sta. to sun = S. $44^{\circ} 44'$ E.

Angle left $45^{\circ} 16'$

Course Sta. to Ref. Pt. = East

2. $20^{\circ} 19'$

$20^{\circ} 03' 30''$

2) $40^{\circ} 22' 30''$

$20^{\circ} 11' 15''$

$2' 12''$ Refraction corrected for elevation 5,200 ft.

$20^{\circ} 9' 03''$

Cos. $20^{\circ} 09' = 9.6475537$

9.9725703

$9.6749834 = .47313$

Tan. $20^{\circ} 09' = 9.8327963$

9.5645925

$9.3973888 = .24968$

$.72281 = 43^{\circ} 43'$

Course Sta. to sun = S. $43^{\circ} 43'$ E.

Angle left $46^{\circ} 18\frac{1}{2}'$

Course Sta. to Ref. Pt. N. $89^{\circ} 58\frac{1}{2}'$ E.

Average N. $89^{\circ} 59'$ E.

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HOMESTEAD ENTRY SURVEY NO. 10

NATIONAL FOREST

ARIZONA

Chains
Open Jan. 13, 1914 at 9h. 0m., a.m., l.m.t. at point
N. 89° 59' E. 88.12 chs. from 1/4 cor. det. Recd. 8 & 9

Lat. 34° 14' Decl. app. noon Greenwich 21° 34' 31.6"

Mt. for 4h. 30m. W. 1' 58.5"

Decl. at 9h. 0m. S.M. 21° 32' 39.1"

Angle rt. ref. Obs. alt. ann Pos. ann Telescope
pt. to sun

1. 45° 10' 45° 32' Direct
Reversed 19° 19' 19° 33'

2. 46° 12' 46° 25' Direct
Reversed 20° 05 1/2' 20° 19'

1. 19° 33'
19° 19'
2) 38° 52'
19° 33'

2' 18" Refraction corrected for elevation 5,300 ft.
19° 33' 44"

Sim. 21° 32' 40" = 9.664937

Coa. 34° 14' = 9.917876

Coa. 19° 32' 40" = 9.974321

9.973242 = .47030

Tan. 34° 14' = 9.932798

Tan. 19° 32' 40" = 9.546600

9.372986 = .2398

9.372986 = 44° 44'

Course Sta. to sun = S. 44° 44' E.

Angle left 45° 12'

Course Sta. to Ref. Pt. = East

2. 20° 03' 20° 13'

2) 40° 26' 30"

20° 13' 15"

2' 12" Refraction corrected for elevation 5,300 ft.
20° 03' 03"

Coa. 20° 03' = 9.973703

9.973242 = .47318

Tan. 20° 03' = 9.832798

9.364692

9.364692 = .24988

9.364692 = 43° 43'

Course Sta. to sun = S. 43° 43' E.

Angle left 46° 18 1/2'

Course Sta. to Ref. Pt. N. 89° 59 1/2' E.

Average N. 89° 59' E.

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. 127, STATE OF W. H. HILLIGASS.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	S. 68° 10' E.	2.41		0.90	2.24		2.24			2.02	
2-3	S. 86° 0' E.	4.77		0.33	4.76		9.24			3.14	
3-4	S. 89° 39' E.	13.00		0.08	13.00		27.00			2.70	
4-5	S. 0° 03' W.	2.03		2.03			40.00			81.20	
5-6	N. 89° 57' W.	19.99	0.02				20.00	0.00	0.00		
6-1	N. 0° 02' W.	3.37	3.37				0.00	0.00			
		45.57	3.39	3.34	20.00	19.99				2)89.05	
			3.37	3.37	20.00	20.00				44.53	= 4.45 A.

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 9, 1915.

The foregoing field notes of Homestead Entry Survey No.

127,

William H. Hilligass

executed by W. H. Finigan, Forest Service Surveyor,
under his special instructions, dated November 8, 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.