

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 23 1914

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 82

SITUATED IN THE

PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 29, surveyed, Township 13 N., Range 3 E.

Section 30, surveyed, Township 13 N., Range 3 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by W. H. Finigan, Forest Service Surveyor  
Under special instructions dated August 1, 1913  
Survey commenced August 29, 1913  
Survey completed August 31, 1913  
Under Acts of June 11, 1906, and March 4, 1913.

Applicants for listing A. A. Burluson and E. H. Purtyman  
Residence Humboldt, Arizona

Application No. 62 & 84, dated Oct. 10, 1909, & May 25, 1911  
List No. 3-767 dated October 28, 1910, and  
List No. 3-1378, dated July 12, 1911

Applicant for survey E. H. Purtyman  
Residence Humboldt, Arizona

H. E. No. 014775, dated July 12, 1911

Land district Phoenix, Arizona.



28

OATH OF ASSISTANTS

We hereby certify that we assisted \_\_\_\_\_ in surveying all those parts or portions of Homestead Entry Survey No. \_\_\_\_\_, in surveyed Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, surveyed Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_,

of the \_\_\_\_\_ meridian, State of \_\_\_\_\_, 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 \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

OATH OF SURVEYOR  
Forest Service Surveyor

I, W. H. Finigan, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated August 1, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land ~~upon the application of~~ embraced in List No. 3-767 dated 10-28-10 & List No. 3-1378 dated July 12, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 82, situated within the Prescott National Forest, in surveyed Section 29, Township 13 N., Range 3 E., and surveyed Section 30, Township 13 N., Range 3 E.,

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 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.

W. H. Finigan  
Forest Service Surveyor.

Subscribed and sworn to before me this September day of \_\_\_\_\_, 1914.



Finigan  
February 1914

George P. Blanchard  
Notary Public



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. 82  
 situated in Secs 29 and 30. T 13 N. R. 3 E  
surveyed  
 of the Gila and Salt River Base and Meridian,  
 State of Arizona, which are represented  
 in the foregoing 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

Ernest Gililand Chairman  
Ralph E. Kurg Chairman

Subscribed and sworn to before me this second  
 day of September 1913/

W. H. Finigan  
Forest Service Surveyor

## PRESCOTT NATIONAL FOREST

## STATE OF ARIZONA

Chains Applicants for listing A. A. Burleson, Application No. 62 dated October 28, 1909; List No. 3-767 dated October 28, 1910; and E. H. Purtyman, Application No. 84 dated May 25, 1911; List No. 3-1378 dated July 12, 1911; H. E. No. 014775 dated July 12, 1911, made at Phoenix, Arizona. Surveyed under special instructions from the Surveyor General for Arizona, dated August 1, 1913, under Acts of June 11, 1906 and March 4, 1913. Designated as Homestead Entry Survey No. 82, Arizona. Located in secs. 29 and 30, T. 13 N., R. 3 E., surveyed, of the Gila and Salt River Base and Meridian in the Prescott 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 400 lk. steel tape directly on the slope and the slope angles determined with a clinometer.

August 28, 1913. I test Burt solar attachment on meridian established at cor. 11 H. R. S. No. 89 by observation on Polaris at E. elong. and find same to be in adjustment. The courses were deflected from the true meridian as determined by solar observation.

August 29, 1913. 9h. 0m. a.m., l.m.t., I set off  $09^{\circ} 26-1/2'$  on decl. arc and  $34^{\circ} 29-1/2'$  on lat. arc and determine the meridian at cor. No. 1. I check this meridian by subsequent observation in the afternoon.

August 29, 1913.

Beginning at the cor. secs. 19, 20, 29, 30 T. 13 N., R. 3 E., which is a malpais stone, showing 14 x 16 x 16 ins.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains above ground, marked as described by Surveyor General.  
 No bearings. I build mound stone 2 ft. base, 1-1/2 ft.  
 high north of cor., then I run South on a random line  
 bet. secs. 29 and 30, at 40 chs. fail to find 1/4 sec.  
 cor. and at 79.34 chs. fall 60 lks. East of cor. secs.  
 29, 30, 31, 32, which is a malpais stone 10 x 10 x 6  
 ins. above ground marked as described by Surveyor Gener-  
 al. No bearing objects. I raise mound of stone 2 ft.  
 base, 1-1/2 ft. high north of cor. Therefore line bet.  
 cor. of secs. 29, 30, 31, 32 and cor. of secs. 19, 20,  
 29, 30 bears N. 00° 26' E., 79.35 chs.

August 29, 1913.

Beginning at cor. No. 1 and CC. on line bet. secs. 29 and  
 30, T. 13 N., R. 3 E.

Mag. Va. at 9 a.m. 13° 55' E. Mean Mag. Va. 13° 58' E.

A malpais stone 30 x 8 x 8 ins. set 20 ins. in ground over  
 stone marked + chiseled 1-HES82 on side facing claim, CC  
 on East face and 5 grooves on E. face; raise mound of  
 stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. East; whence

An ash 18 ins. in diameter, scribed 1 H E S 82

C C B T, bears S. 79° 24' E., 208 lks.

An ash 14 ins. in diameter, scribed 1 H E S 82

C C B T, bears N. 24° 38' E., 68.5 lks.

Cor. of secs. 29, 30, 31 and 32, heretofore des-  
 cribed, bears S. 00° 26' W., 13.75 chs.

Cor. secs. 19, 20, 29 and 30, heretofore described,  
 bears N. 00° 26' E., 65.60 chs.

Lat. 34° 29' 30" N., Long. 112° 05' W., derived from  
 special instructions of the Surveyor General.

Thence S. 72° 23' W.

Over level ground.

1.60 Ascend W. side canyon.

3.05 Wire fence, bears NW. and SE.



PRESCOTT NATIONAL FOREST

ARIZONA

Chains

4.81

To cor. No. 2.

60 ft. above bottom of canyon.

Identical with cor. No. 3 of list 3-1378, which is a

malpais boulder showing 18 x 20 x 18 ins. above ground

chiseled H/2, witnessed as described in field notes of

listing survey. I destroy marks and chisel same rock

+ on top for exact point, 2-HES82 on side facing claim;

and raise a mound of stone 2 ft. base, 1-1/2 ft. high

3-1/2 ft. distant within claim; whence

+ B R 2 H E S 82 chiseled on face of malpais

boulder showing 1 x 5 x 2 ft. above ground

bears S. 49° 40' W. 39 lks.

A cedar 14 ins. in diameter, scribed 2 H E S 82

B T bears N. 43° 04' W. 207 lks.

Thence N. 15° 55' W.

Descend along W. slope of canyon.

4.80

Wire fence bears NW. & SE.

Thence along W. slope of canyon.

19.40

To cor. No. 3.

20 ft. above bottom of canyon.

Identical with cor. No. 4, List No. 3-1378 and cor. No.

6, List No. 3-767, which is H/1 & H/6 chiseled on face

of malpais ledge in place showing 4 x 10 x 2 Ft. above

ground, witnessed as described in field notes of list-

ing survey. I destroy marks and chisel same ledge

+ on top for exact point and 3-HES82 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 18 ins. in diameter, scribed 3 H E S 82

B T bears N. 86° 53' W. 16 lks.

A desert willow 10 ins. in diameter, scribed

3 H E S 82 B T bears N. 56° 29' E. 177 lks.



HOMESTEAD ENTRY SURVEY NO. 82

PRESCOTT NATIONAL FOREST

ARIZONA

Chains	Thence N. 6° 41' W.	chains
	Descending.	58.4
0.20	Bottom small gulch 15 ft. deep, course E. Ascend N. slope of gulch.	
1.10	Top of slope of gulch, ascend gradually along W. slope of canyon.	
7.00	Irrigation ditch, course SE.	
13.35	Arroya, 9 lks. wide, 4 ft. deep, course E.	
15.00	Irrigation ditch, course SW.	
19.00	To cor. No. 4.	
	Identical with cor. No. 7, List No. 3-767, which is a malpais boulder 2 x 4 x 3 ft. above ground, marked and witnessed as described in field notes of listing survey. I destroy marks and chisel same boulder + on top for exact point and 4-HES82 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence	
	+ B R 4 H E S 82 chiseled on face of malpais boulder showing 5 x 5 x 4 ft. above ground bears N. 56° 23' W. 95 lks.	
	+ B R 4 H E S 82 chiseled on face of malpais boulder showing 3 x 4 x 3 ft. above ground bears S. 31° 55' W. 63 lks.	
	Thence N. 2° 51' W.	
	Ascending S. side of ridge.	
4.55	Top of ascent on ridge 50 ft. high, bears E. & W. Descending thru brush.	
9.00	Irrigation ditch, course SE., thence over level ground.	
9.66	To cor. No. 5.	
	Identical with cor. No. 8 of List No. 3-767, which is a malpais stone 10 x 12 x 12 ins. above ground, marked and witnessed as described by field notes of listing survey. I destroy marks and chisel same rock + on	

HOMESTEAD ENTRY SURVEY NO. 82  
PRESCOTT NATIONAL FOREST  
ARIZONA

Chains	top, for exact point and 5-HES82 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high 3-1/2 ft. distant within claim; whence
	<p>+ B R 5 H E S 82 on top of malpais boulder, showing 1 x 6 x 4 ft. above ground; bears S. 69° 38' E. 21.5 lks.</p> <p>+ B R 5 H E S 82 on face of malpais boulder, showing 3 x 3 x 3 ft. above ground, bears S. 89° 11' W. 67.5 lks.</p>
	<p>Thence N. 78° 29' W. 6.5 lks. above ground thru heavy brush.</p> <p>1.05 Wire fence bears N. &amp; S.</p> <p>1.25 Irrigation ditch, course SE.</p> <p>3.25 Ascend thru heavy brush along S. side canyon.</p> <p>6.90 Top of ascent 25 ft. above bottom canyon, descend along S. side canyon.</p> <p>12.00 Enter bed Ash Creek, 75 lks. wide; thence along bed.</p> <p>16.00 Leave bed Ash Creek, thence over level bottom, Wire Fence bears N. &amp; S.</p>
	19.50 S. Fork Ash Creek, 45 lks. wide, course S.
	<p>19.98 To cor. No. 6.</p> <p>Identical with cor. No. 9 of List No. 3-767, which is H/9 chiseled on face of prominent malpais ledge showing 20 x 40 ft. face, witnessed as described by field notes of listing survey. I destroy marks and chisel face of same ledge 4 ft. above ground + 6-HES82; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence</p> <p>+ B. R. 6 H E S 82 chiseled on face of conglomerate boulder showing 3 x 5 x 4 ft. above ground, bears S. 37° 45' E. 127 lks.</p> <p>As desert willow 8 ins. in diameter, scribed 6 H E S 82. B. R. 3 bears N. 43° 40' E. 60 lks.</p>



Chains  
Cor. No. 1 H. E. S. 89, Dan Gilleland, bears N.

1-8 27° 52' W. 16.41 chs.  
Identical with claim; whence

Thence N. 72° 58' E.

Over level ground.

0.90 Ash Creek, 1 ch wide, course S.

3.10 Irrigation ditch, course SE.

39.39 To cor. No. 7.

Identical with cor. No. 1, List No. 3-767 and Forest Service Monument, which is a malpais boulder 3 x 5 x 4

ft. above ground marked and witnessed as described in field notes of listing survey. I destroy marks and chisel same boulder + on top for exact point and 82 on side facing claim; raise mound stone 2 ft. base, 1-1/2 ft. high 3-1/2 ft. distant within claim; whence

An ash 10 ins. in diameter, scribed 7 H E S 82 B T bears S. 75° 59' W. 56 lks.

An ash 8 ins. in diameter, scribed 5 H E S 82 B T bears S. 3° 17' W. 94 lks.

Thence N. 77° 16' E. Ascending N. side canyon.

1.10 Top of ascent 50 ft. above bottom of canyon, descending

along N. side of canyon

Foot of descent, thence over level ground.

7.90 Wire fence NE. & SW.

9.37 W. side; frame-house, 20 ft. long.

11.47 To cor. No. 1-8.

Identical with cor. No. 2, List No. 3-767, which is a malpais boulder showing 3 x 6 x 3 ft. above ground

marked and witnessed as described in field notes of

listing survey. I destroy marks and chisel same boulder

+ on top for exact point and 82 on side facing claim; raise mound stone 2 ft. base, 1-1/2 ft. high

HOMESTEAD ENTRY SURVEY NO. 82

PRESCOTT NATIONAL FOREST

ARIZONA

Chains	<p>3-1/2 ft. distant within claim; whence</p> <p>+ B R 8 H E S 82 chiseled on face malpais boulder showing 6 x 8 x 3 ft. above ground bears N. 75° 55' E. 41 lks.</p> <p>+ B R 8 H E S 82 chiseled on top malpais boulder showing 3 x 7 x 4 ft. above ground bears N. 24° 40' E. 56 lks.</p> <hr/> <p>Thence S. 62° 51' E.</p> <p>Over level ground</p> <p>0.50 Wire fence bears NE. &amp; SW.</p> <p>1.00 Irrigation ditch, course NE.</p> <p>3.70 Wire fence, bears N. &amp; S.</p> <p>4.50 Arroyo, 8 lks. wide 4 ft. deep, course S.</p> <p>8.20 Irrigation ditch, course SE.</p> <p><del>Ascending over large boulders on E. side of canyon.</del></p> <p>9.42 To cor. No. 9.</p> <p>50 ft. above bottom of canyon.</p> <p>Identical with cor. No. 3, List 3-767, which is a malpais boulder showing 4 x 8 x 6 ft. above ground, marked and witnessed as described in field notes of listing survey. I destroy marks and chisel same boulder + on top for exact point and 9-HES82 on side facing claim; whence</p> <p>+ B R 9 H E S 82 chiseled on face of malpais boulder showing 8 x 15 x 10 ft. above ground bears S. 88° 25' E. 75.5 lks.</p> <p>+ B R 9 H E S 82 chiseled on face of malpais boulder showing 6 x 20 x 12 ft. above ground bears N. 15° 35' E. 98.5 lks.</p> <hr/> <p><del>Thence S. 20° 27' E.</del></p> <p>Descending over rough E. side of canyon.</p> <p>4.00 Bottom of descent, thence over level ground.</p>
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## PRESCOTT NATIONAL FOREST

## ARIZONA

Chains

16.51

To cor. No. 10.

Identical with cor. No. 4, List 3-767, which is a malpais rock in place, showing 6 x 26 x 20 ins. above ground, marked and witnessed as described by field notes of listing survey. I destroy marks and chisel same rock + on top for exact point and 10-HES82 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence

+ B R 10 H E S 82 chiseled on top of a malpais boulder, showing 18 x 18 x 18 ins. above ground bears S. 1° 27' W. 13 lks.

+ B R 10 H E S 82 chiseled on top of malpais boulder, showing 3 x 3 x 4 ft. above ground bears N. 36° 56' E. 69 lks.

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Thence S. 10° 18' W.

Along E. side of canyon.

8.42

To cor. No. 11.

Identical with cor. No. 5, List No. 3-767 and cor. No. 1 List No. 3-1378, which is a malpais rock 8 x 16 x 8 ins. chiseled H/5 and H/4, witnessed as described by field notes of listing survey. I destroy same and set a malpais stone 30 x 8 x 6 ins. 20 ins. in ground over stone marked + chiseled 11-HES82 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence

A desert willow 10 ins. in diameter, scribed

11 H E S 82 B T bears S. 61° 22' W. 121.5 lks.

A cedar 8 ins. in diameter, scribed 11 H E S 82

B T bears S. 82° 13' E. 78 lks.

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Thence S. 17° 37' E.

Along E. side canyon.

HOMESTEAD ENTRY SURVEY NO. 82

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

17.32

To cor. No. 12 and CC on line bet. secs. 29 and 30, T. 13 N., R. 3 E.

A malpais stone 24 x 10 x 10 ins. set 14 ins. in ground over stone marked + chiseled 12-HES82 on side facing claim, CC on N. face, and 5 grooves on E. face; raise

mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.

N. 17° 37' W. from cor.; whence

A juniper 36 ins. in diameter, scribed 12 H E S 82

CC B T. bears N. 54° 29' E. 80 lks.

+ B R 12 H E S 82 C C chiseled on top of malpais

boulder, showing 2 x 4 x 2 ft. above ground

bears N. 10° 12' E. 65.5 lks.

Cor. secs. 19, 20, 29 & 30 bears N. 26' E. 57.09

chs.

Cor. secs. 29, 30, 31 & 32 bears S. 26' W. 22.26

chs.

Thence S. 17° 37' E.

Along E. side of canyon.

6.00 Descending along E. side of canyon.

8.09 To cor. No. 13.

Identical with cor. No. 2, List 3-1378, which is H/3

chiseled on face malpais ledge, showing 15 x 25 x 5 ft.

above ground, witnessed as described by field notes of

listing survey; I destroy marks and chisel face of

same ledge + 13-HES82; raise mound of stone 2 ft. base,

1-1/2 ft. high, 3-1/2 ft. distant within claim; whence

+ B R 13 H E S 82 chiseled on face malpais boulder

showing 2-1/2 x 6 x 4 ft. above ground, bears

S. 16° 50' W. 43 lks.

+ B R 13 H E S 82 chiseled on face malpais boulder

showing 3 x 5 x 4 ft. above ground, bears

N. 53° 15' W. 60.5 lks.



PRESCOTT NATIONAL FOREST

ARIZONA

Chains

Thence S. 72° 23' W.

Descending 20 ft. to bottom of canyon.

1.00 Foot descent.

1.60 Ash Creek, 1.20 chs. wide, course SE.

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

Areas.

Area in Sec. 29 . . . . . 1.07 acres.

Area in Sec. 30 . . . . . 39.89 "

Total area . . . . . 40.96 "

Improvements

The improvements on this claim consist of the following:

A frame house, the SE. cor. of which bears from

cor. No. 8, S. 76° 26' W. 2.10 chs. 20 x 20 ft.,

course N. 80° E. Part of this improvement lies out-

side of the claim. Value . . . . . \$50.00

A well, the center of which bears from cor. No. 8

S. 65° 45' W. 5.30 chs. 4 ft. dia. 20 ft. deep.

Value . . . . . \$25.00

About one mile of fence mostly outside of claim

Value . . . . . \$100.00

Total estimated value of improvements \$175.00

All of the above improvements of claimant herein.

Ruins of stone house, the NW. cor. of which bears

from cor. No. 3, N. 66° 0' E. 4.20 chs. 15 x 20,

course of long side, N. and S. Of unknown claimant.

Description

This claim lies in the small valley formed by Ash Creek.

The larger part is level but there is some rough land

along sides of the canyon near the boundaries.

The soil is very fertile and well adapted to agricultural

purposes.

HOMESTEAD ENTRY SURVEY NO. 82

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

16.1  
40.0  
88.4  
53.2  
13.8  
0.48  
19.98

No timber of any value on claim. The parts lying on the sides of the canyon are covered with brush. Water is supplied by a spring rising in Ash Creek about 1/4 mile northwesterly and is diverted at that point and ditched to the cultivated land on the claim, there being sufficient flow in average years to irrigate the land under cultivation. No mineralization is in evidence on the claim and it is

27.38

apparently nonmineral in character. Chiefly valuable for agricultural purposes. Homestead Entry Survey No. 89, Dan Gilleland, claimant lies about 1/4 mile Northwesterly. No other claims known.

38.8  
12.8  
84.0  
88.81

Dewey, Arizona, the nearest railroad point and post office is situated about 12 miles Northwesterly. Mayer, Arizona is situated about 18 miles Northwesterly. Survey completed August 31, 1913.

13.1  
11.7

Latitude, Departures and Closing Errors. Sec. 29.

18.38

Course	Dist.	Latitude		Departure	
		N	S	E	W
N. 0° 26' E.	8.51	8.51		0.07	
S. 17° 37' E.	8.09		7.71	2.45	
S. 72° 23' W.	2.65		0.80		2.53
	19.25	8.51	8.51	2.52	2.53
Error in Departure					2.52
					.01

Error of Closure 1:1925

There being no other...  
 of assistants within a reasonable distance I...  
 administer the same in my official capacity.

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

*[Handwritten signature]*  
 Forest Service Surveyor



PRESCOTT NATIONAL FOREST

ARIZONA

Chains	Course	Dist.	Section 30		Departure
			N	S	
	N. 72° 58' E.	3.39	0.99		3.24
	N. 77° 16' E.	11.47	2.53		11.19
	S. 62° 51' E.	9.42		4.30	8.38
	S. 20° 27' E.	16.51		15.47	5.77
	S. 10° 18' W.	8.42		8.28	1.51
	S. 17° 37' E.	17.52		16.53	5.24
	S. 0° 26' W.	8.51		8.51	0.07
	S. 72° 23' W.	4.81		1.47	4.58
	N. 15° 55' W.	19.40	18.66		5.32
	N. 6° 41' W.	19.00	18.87		2.21
	N. 2° 51' W.	9.66	9.65		0.48
	N. 78° 29' W.	19.98	3.99		19.58

147.89      54.69      54.53      36.27      33.75  
 Error in Lat. and Dep.      54.53      36.21  
 Dep.      .13      .07  
 Error of closure  $\sqrt{13^2 + 7^2} = \frac{1}{14789} = \frac{1}{1002}$

Chains	Course	Dist.	Latitude		Departure
			N	S	
	N. 15° 55' W.	19.40	18.66		5.32
	N. 6° 41' W.	19.00	18.87		2.21
	N. 2° 51' W.	9.66	9.65		0.48
	N. 78° 29' W.	19.98	3.99		19.58
	N. 72° 58' E.	3.39	0.99		3.24
	N. 77° 16' E.	11.47	2.53		11.19
	S. 62° 51' E.	9.42		4.30	8.38
	S. 20° 27' E.	16.51		15.47	5.77
	S. 10° 18' W.	8.42		8.28	1.51
	S. 17° 37' E.	25.41		24.22	7.69
	S. 72° 23' W.	7.46		2.26	7.11

150.12      54.69      54.53      36.27      36.21  
 Error in Lat. and Dep.      54.53      36.21  
 Error of Closure  $\sqrt{16^2 + 6^2} = \frac{1}{15012} = \frac{1}{610}$

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

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

W. H. Finigan  
 Forest Service Surveyor.



- DIRECTIONS.—1. Carry out the area to three decimals, and all other calculations to two decimals only.  
 2. In balancing Lat. and Dep. 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 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. I. O.

copy of orig.  
 ret'd. to D. G.  
 not furnished out  
 Com or E.O. copy

# E S. 02

E. H. Panty...

TABLING AND CALCULATIONS OF

No.	COURSE	DISTANCE.		LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
		NORTH.	SOUTH.	EAST.	WEST.						
12-13	Traverse in Sec. 29 S 17° 37' E	8 09	7 71	2 45				261		2012	
13-1	S 72° 23' W	2 65	0 80	0 3 0 07	2 53			253		202	
1-12	N 0° 26' E	8 51		0 3 2 52	<del>2 07</del>			0 08	0 68		
		19 25	8 51		2 53				0 68	2214 068	
										22146 1073 = 1.07 a.	
6-7	Traverse in Sec. 30 N 72° 58' E	3 39	0 99	3 24				324	3 21		
7-8	N 77° 16' E	11 47	2 53	1 19				1766	4450		
8-9	S 62° 51' E	9 42		8 38				3722		16042	
9-10	S 20° 27' E	1 651		577				5136		79505	
10-11	S 16° 18' W	8 42			1 51			5561		46101	
11-12	S 17° 37' E	1 732		524				5933		98132	
12-1	S 0° 26' W	8 51			0 07			6449		54945	
1-2	S 72° 23' W	4 81			4 58			5984		8796	
2-3	N 15° 55' W	1 940	64 1866		332			4993	93070		
3-4	N 6° 41' W	1 900	1887		221			4238	79886		
4-5	N 2° 51' W	9 66	964		448			3967	38242		
5-6	N 78° 29' W	1 998	977		59			1959	7777		
		14789	5469	3382	79			223746		303521	
											TF
											39.89 a.
											40.86 a

43

TF  
 39.89 a.  
 40.86 a



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 9, 1914.

The foregoing field notes of Homestead Entry Survey No.

82,

E. H. Purtyman, claimant

executed by W. H. Minigan, Forest Service Surveyor  
under his special instructions, dated August 1, 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.