

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 14 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 172

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 8, unsurveyed, Township 10 S., Range 25 E.

Section 17, unsurveyed, Township 10 S., Range 25 E.

Section 18, unsurveyed, Township 10 S., Range 25 E.

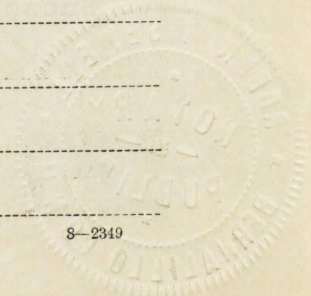
of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service  
Under special instructions dated February 17, 1914  
Survey commenced March 13, 1914  
Survey completed March 14, 1914  
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Frank Neese  
Residence Solomonville, Arizona  
Application No. 1, dated January 8, 1907  
List No. 532, dated October 14, 1907  
Applicant for survey Frank Neese  
Residence Solomonville, Arizona  
H. E. No. 0278, dated July 27, 1908  
Land district Phoenix, Arizona



OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley  
Surveyor-Forest Service in surveying all those  
 parts or portions of Homestead Entry Survey No. 172, in  
unsurveyed Section 8, Township 10 S., Range 25 E.,  
unsurveyed Section 17, Township 10 S., Range 25 E.,  
unsurveyed Section 18, Township 10 S., Range 25 E.  
 -----  
 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

Note: It would have been  
 very inconvenient and ex-  
 pensive to appear before  
 an officer to administer  
 the oaths to Assistants;  
 hence, they were taken by  
 the Surveyor

P. P. Johnson Chainman  
George Von Gausig Chainman

Subscribed and sworn to before me this 15 day of  
March, 1914.

Walter G. Turley  
 Surveyor-Forest Service

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor-Forest Service, do solemnly swear  
 that, in strict conformity with the special instructions of  
 the United States Surveyor General for Arizona, dated  
February 17, 1914, 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. 532, dated Oct. 14, 1907, for  
Patent, under the Act of June 11, 1906,  
 the same to be known as Homestead Entry Survey No. 172,  
 situated within the CROOK National Forest, in  
unsurveyed Section 8, Township 10 S., Range 25 E., and  
unsurveyed Section 17, Township 10 S., Range 25 E.,  
unsurveyed Section 18, Township 10 S., Range 25 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 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.

Walter G. Turley  
 Surveyor-Forest Service

Subscribed and sworn to before me this 30 day of  
April, 1914.

Robert T. Sewell  
 Notary Public



my comm. expires  
 Feb 11 1917

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Frank Neese, Application No. 1 dated January 8, 1907; List No. 532, dated October 14, 1907; H. E. No. 0278, made at Phoenix, Arizona, July 27, 1908 by Frank Neese.

Surveyed under Special instructions from the Surveyor General for Arizona, dated February 17, 1914, and designated as Homestead Entry Survey No. 172.

Situated on unsurveyed land, but will probably be, when surveyed, in secs. 8, 17 and 18, T. 10 S., R. 25 E., Gila and Salt River Base and Meridian, within the Crook National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced March 13, 1914 and executed with a W. and L. E. Gurley light mountain transit with vertical circle and Burt solar attachment.

I test the adjustments of the transit and make necessary corrections. The stadia is adjusted to read 1:132.

All measurements were made on the slope with a 400 link steel tape and a Philadelphia stadia rod, and the slope angles measured with a clinometer.

March 13, 1914.

At 8h. 01.0 m., p.m., l.m.t., I observe Polaris at western elongation at cor. No. 1 and mark my line of sight upon the ground.

1° 21' 45" = Azimuth of Pol. at W. elong.

March 13, 1914.

March 14, 1914.

At 6h. 10m. a.m., l.m.t., I observe Polaris at cor. No. 1.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Astron. l.m.t., obsn. March 13, 1914 18h. 10m.

Astron. l.m.t., U. C. Pol. March 13, 1914 2 04.9

Hour Angle of Pol. at obsn. ; 16 05.1

23 56.1

Time argument 7 51.0

Azimuth of Polaris  $1^{\circ} 11' 36''$  E.

I turn off the azimuth of Polaris  $1^{\circ} 11' 1/2''$  to the West from my line of sight and mark the line upon the ground.

I also turn off  $1^{\circ} 22'$  to the East from the line determined by last night's observation on Polaris and my line of sight differs  $0^{\circ} 00' 27''$  from the line established by this morning's observation. I mark the mean of these two lines by a tack in a stake set 5.00 chs.

North of my station; and from the corresponding meridian all the courses of this survey were deflected.

Latitude at cor. No. 1  $32^{\circ} 34' 37''$  N. Longitude at cor. No. 1  $109^{\circ} 49' 20''$  W. by account from Special instructions from the Surveyor General.

Thence S.  $86^{\circ} 16'$  W.

On a random for a tie.

66.51 The 1/4 sec. cor. to secs. 13 and 18, T. 10 S., Rs. 24

and 25 E., which is an iron post 1 inch in dia. and

15 ins. above ground, with brass cap marked S 13 1/4:

S. 18 from which,

An oak 12 ins. dia. bears N.  $51^{\circ}$  E. 100 lks.

dist. marked 1/4 S 18 B T.

An oak 14 ins. dia. bears N.  $47^{\circ} 10'$  W. 194

lks. dist. marked 1/4 S 13 B T.

This is a cor. recently established by Thomas B. Mathews,

U. S. Surveyor.

Thence N.  $86^{\circ} 16'$  E.

On a true line.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

66.51

To Cor. No. 1.

Identical with H-5 of the list survey, which is a granite stone 9 x 5 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a granite stone 24 x 8 x 8 ins. 14 ins. in the ground, over a marked stone, for cor. No. 1, marked 1-HES172 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor. from which,

An oak 7 ins. dia. bears N. 27° 06' E. 114 lks. dist. marked 1 H E S 172 B T.

An oak 9 ins. dia. bears N. 76° E. 125 lks. dist. marked 1 H E S 172 B T.

Mag. Va. at 8 a.m., 13° 40' E. Mean Mag. Va. 13° 37' E.

Thence N. 0° 02' E.

Over rolling land.

2.10

Right bank of arroyo 100 lks. wide, banks 3 ft. high, course E. Ascend E. slope 15 ft. to ridge.

16.10

Ridge bears E. and W. Descend 5 ft. to arroyo.

19.00

Right bank of arroyo 75 lks. wide, banks 3 ft. high, course E.

20.00

To Cor. No. 2.

Identical with H-4 of the list survey, which is a granite stone 10 x 4 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a granite stone 28 x 9 x 5 ins. 18 ins. in the ground, over a marked stone, for cor. No. 2, marked 2-HES172 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which,

A cedar 9 ins. dia. bears S. 8° 30' E. 15 lks. dist. marked 2 H E S 172 B T.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

An oak 6 ins. dia. bears S. 41° 45' E. 25 lks.

dist. marked 2 H E S 172 B T.

Pits impracticable.

Thence N. 89° 36' E.

Descend rolling E. slope through oak 10 ft. to cor.

16.55 Left bank of arroyo, 25 lks. wide, banks 1 ft. high, course N.

19.92 To Cor. No. 3.

Identical with H-3 of the list survey, which is a granite stone 6 x 6 x 5 ins. above ground, marked and

witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I

set a granite stone 26 x 14 x 6 ins., 16 ins. in the ground, over a marked stone, for cor. No. 3, marked

3-HES172 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which,

An oak 6 ins. dia. bears N. 80° E. 45 lks. dist. marked 3 H E S 172 B T.

An oak 14 ins. dia. bears S. 41° E. 107 lks. dist. marked 3 H E S 172 B T.

Pits impracticable.

Thence N. 1° 28' E.

Descend N. slope 5 ft. to arroyo in oak brush.

3.10 Right bank of arroyo, 25 lks. wide, banks 3 ft. high, course NE. Ascend S. slope 5 ft. to spur.

14.00 Spur, bears NW. and SE. Descend NE. slope 5 ft. to ravine.

27.55 Right bank spring branch, 30 lks. wide, banks 3 ft. high, course SE.

Ascend S. slope 20 ft. to cor.

34.10 Road bears NW. and SE.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

39.91 To Cor. No. 4.

Identical with H-2 of the list survey, which is a granite stone 7 x 4 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a granite stone 24 x 16 x 10 ins. 14 ins. in the ground, over a marked stone, for cor. No. 4, marked 4-HES172 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which,  
An oak 4 ins. dia. bears S. 67° 30' E. 19 lks.

dist. marked 4 H E S 172 B T.

An oak 7 ins. dia. bears S. 43° 40' E. 66 lks.

dist. marked 4 H E S 172 B T.

Pits impracticable.

Thence S. 89° 50' E.

Over rolling S. slope.

19.91 To Cor. No. 5.

Identical with H-1 of the list survey, which is a granite stone 8 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a granite stone 24 x 12 x 9 ins. 14 ins. in the ground, over a marked stone, for cor. No. 5, marked 5-HES172 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which,

An oak 4 ins. dia. bears S. 3° W. 69 lks. dist. marked 5 H E S 172 B T.

An oak 6 ins. dia. bears S. 83° 40' W. 191 lks.

dist. marked 5 H E S 172 B T.

Pits impracticable.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Thence S. 1° 20' W.

Descend rolling S. slope 40 ft. to creek. Through oak brush.

37.69 Road bears E. and W.

40.38 Ranch road, bears NE. and SW.

41.50 Fence bears E. and W. Enter pasture.

50.10 Left bank of arroyo, 50 lks. wide, banks 4 ft. high, course E.

53.08 Left bank of dry creek bed, 25 lks. wide, banks 4 ft. high, course E. Ascend N. slope 60 ft.

59.90 To Cor. No. 6.

Identical with H-6 of the list survey, which is an imbedded granite boulder 3 x 2 x 2 ft. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of the list cor. and mark a cross (+) at the apex and 6-HES172 on the NW. face of the same stone for cor. No. 6; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. from which,

An oak 5 ins. dia. bears N. 43° E. 42 lks. dist. marked 6 H E S 172 B T.

An oak 10 ins. dia. bears S. 51° 20' W. 57 lks. dist. marked 6 H E S 172 B T.

Pits impracticable.

Thence West.

Ascend 5 ft. along N. slope.

0.50 Spur, bears N. and S. Descend N. slope 55 ft. to arroyo.

29.20 Right bank of arroyo, 50 lks. wide, banks 1 ft. high, course NE. Ascend E. slope 5 ft.

36.26 Fence bears N. and S.

39.71 To Cor. No. 1, the place of beginning.



CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

The sun was obscured at apparent noon, therefore latitude observation was not possible.

AREA

Total Area 159.83 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of this claim, and belonging to the claimant, consist of the

following:

A frame stable, 10 x 27 ft., the long side of which bears N. and S., and the NW. cor. bears S. 14° 30' E. 8.80 chs. dist. from cor. No. 3.

Value \$100.00

A frame dwelling 24 x 45 ft., the long side of which bears E. and W. and the NW. cor. bears S. 3° 30' E. 14.82 chs. dist. from cor. No. 3.

Value \$800.00

A well 4 x 4 x 22 ft. deep and pump, the center of which bears S. 1° 30' E. 15.42 chs. dist. from cor. No. 3.

Value \$150.00

Some miscellaneous fencing.

Value \$ 80.00

A small garden and orchard.

DESCRIPTION

This claim is situated at the foot of Graham mountains in a glade sloping to the E.

There is only a little surface water during the winter,

but sufficient water is obtained by pumping from the

well for domestic purposes and to water a small garden.

There is scattering oak and juniper over the greater part of the claim.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

I saw no indication of mineral upon this claim.  
Solomon ville postoffice and railway station is 30 miles  
in a northerly direction and is reached by wagon.

159.83 Acres

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

IMPROVEMENTS

The improvements and for the benefit of this

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1	N. 0° 02' E.	20.00	20.00			
2	N. 89° 36' E.	19.92	.14		19.92	
3	N. 1° 28' E.	39.91	39.90		1.02	
4	S. 89° 50' E.	19.91		.06	19.91	
5	S. 1° 20' W.	59.90		59.88		1.39
6	West	39.71				39.71
		199.35	60.04	59.94	40.86	41.10
Error in Lat. and Dep.			59.94			40.86
Closing error 1:767			.10			.24

*Walter J. Purley*  
Surveyor- Forest Service.

This claim is situated at the foot of Graham mountain  
in a glade sloping to the E.  
There is only a little surface water during the winter,  
but sufficient water is obtained by pumping from the  
well for domestic purposes and to water a small garden.  
There is scattering oak and juniper over the greater part  
of the claim.

TERRON CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Detailed Computation

$32^{\circ} 34' 37'' = \text{N. Lat. of Cor. No. 1.}$  ) By account from  
 $109^{\circ} 49' 20'' = \text{W. Long. of cor. No. 1.}$  ) Special Instruc-  
 tions.

March 13, 1914. Pol. at W. Elong.

$88^{\circ} 51' 06''.2 = \text{Decl. of Pol. March 13}$

$8\text{h. } 01.3\text{m.} - 1.2\text{ m.} + 0.9\text{m.} = 8\text{h. } 01.0\text{m. p.m.,}$   
l.m.t., W. Elong. Pol.

P. 16, G. L. O., Ephemeris interpolate

$1^{\circ} 21' 45'' = \text{Azimuth of Pol. W. at obsn.}$

March 14, 1914. Polaris obsn. at 6h. 1.0m. a.m., l.m.t.

18h. 10m. = Astron. l.m.t. obsn. March 13, 1914

$\frac{2}{16} \quad 04.9 = \text{Astron. l.m.t., U.C. Pol. March 13, 1914}$

$\frac{16}{23} \quad 05.1$

$\frac{23}{7} \quad 56.1$

$\frac{7}{7} \quad 51.0 = \text{Time argument}$

Interpolate for decl. and lat. P. 15,  
G. L. O. Ephemeris.

$1^{\circ} 11' 36'' = \text{Azimuth of Pol. E.}$

T.H.

STATE OF ARIZONA NATIONAL FOREST

STATE OF ARIZONA

Chains	Detailed Computation	Chains								
	<p>83° 34' 57" = N. Lat. of Cor. No. 1. } By account from                      109° 49' 30" = W. Long. of cor. No. 1. } Special Instru-                      tions.</p>									
	<p>March 13, 1914. Pol. at W. Blong.                      88° 51' 02" = Decl. of Pol. March 13                      8h. 01.3m. - 1.3 m. + 0.9m. = 8h. 01.0m. p.m.,                      1. m. t., W. Blong. Pol.                      P. 13, G. L. O., Ephemeris interpolate                      1° 21' 48" = Azimuth of Pol. W. at obsn.</p>									
	<p>March 14, 1914. Polaris obsn. at 8h. 1.0m. a.m., 1. m. t.                      18h. 10m. = Astron. 1. m. t. obsn. March 13, 1914  <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td>2</td> <td>04.9 = Astron. 1. m. t., U.S. Pol. March 13, 1914</td> </tr> <tr> <td>18</td> <td>05.1</td> </tr> <tr> <td>23</td> <td>06.1</td> </tr> <tr> <td>7</td> <td>21.0 = Time argument</td> </tr> </table> <p>Interpolate for decl. and lat. P. 13,                      G. L. O. Ephemeris.                      1° 11' 38" = Azimuth of Pol. W.</p> </p>	2	04.9 = Astron. 1. m. t., U.S. Pol. March 13, 1914	18	05.1	23	06.1	7	21.0 = Time argument	
2	04.9 = Astron. 1. m. t., U.S. Pol. March 13, 1914									
18	05.1									
23	06.1									
7	21.0 = Time argument									

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 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. 172, STATE OF ARIZONA, Crook -- Frank Neese

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1	N. 0° 02' E.	20.00	19.99 20.00		04 .01		.04	.80	
2	N. 89° 36' E.	19.92	.14 88		19.92 7		20.02	2.60	
3	N. 1° 28' E.	39.91	39.90	.07	1.02 3		41.03	1636.28	
4	S. 89° 50' E.	19.91	.06		19.91		62.03	4.34	
5	S. 1° 20' W.	59.90	59.88	.91	1.39 66		80.64	4831.14	
6	West	39.71	.00	.02	39.71		39.66	.79	
		199.35	60.04	59.94	40.86			1639.68	
			60.00	60.00	40.98				
		Closing error 1:767							
									4836.27 1639.68 <u>3196.59</u> 159.83 Acres

STATE OF ALABAMA - BANK DEPOSIT

STATE OF ALABAMA

STATE OF ALABAMA

NAME & TITLE	RESIDENCE	DATE	DEPOSIT		INTEREST	DATE	BY	REMARKS
			AMOUNT	CURRENCY				
AL. 1834	AL. 08	20.14	10.00	10.14	00.00	00.00	E 10 00 N	
AL. 1834	AL. 08	20.14	10.00	10.14	00.00	00.00	E 10 00 N	
AL. 1834	AL. 08	20.14	10.00	10.14	00.00	00.00	E 10 00 N	
AL. 1834	AL. 08	20.14	10.00	10.14	00.00	00.00	E 10 00 N	
AL. 1834	AL. 08	20.14	10.00	10.14	00.00	00.00	E 10 00 N	

193.88  
 83.88  
 80.00  
 113.88

193.88  
 83.88  
 80.00  
 113.88

193.88  
 83.88  
 80.00  
 113.88

STATE OF ALABAMA

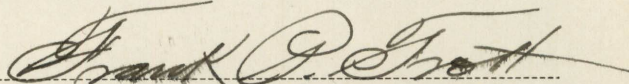
STATE OF ALABAMA

APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona, March 28, 1916.

The foregoing field notes of Homestead Entry Survey No.  
172

executed by Walter G. Turley, Surveyor-Forest Service  
under his special instructions, dated February 17, 1914,  
having been critically examined, and the necessary correc-  
tions 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 Arizona,  
has been correctly copied from the original notes on file in  
this office.

Frank P. Trott  
U. S. Surveyor General.