

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 8- 1914

AUG 2- 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 122

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 8, unsurveyed, Township 11 N, Range 10 E.

~~Section 9, unsurveyed, Township 11 N, Range 10 E.~~

Section 16, unsurveyed, Township 11 N, Range 10 E.

Section 17, unsurveyed, Township 11 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 December 15, 1913

Survey completed December 22, 1913

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

Applicant for listing Forest Hale

Residence Payson, Arizona

Application No. 194, dated November 26, 1909

List No. 3-926, dated January 14, 1911

Applicant for survey Forest Hale

Residence Payson, Arizona

H. E. No. 014721, dated June 29, 1911

Land district Phoenix, Arizona.

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. 122, in  
unsurveyed Section 8, Township 11 N., Range 10 E.,  
~~unsurveyed Section 9~~, Township 11 N., Range 10 E.,  
unsurveyed Section 16, Township 11 N., Range 10 E.,  
unsurveyed Section 17, Township 11 N., Range 10 E.  
of the G. and 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 Slonaker  
Chas Buecht

Chainman  
Chainman

Subscribed and sworn to before me this 14th day of  
February, 1914.

Henry P. Randall  
Notary Public

Commission Expires  
Feb 24th 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. 3-926, dated Jan. 14, 1911, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 122,  
situated within the Tonto National Forest, in  
unsurveyed Section 8, Township 11 N., Range 10 E., and  
~~unsurveyed Section 9~~, Township 11 N., Range 10 E.,  
unsurveyed Section 16, Township 11 N., Range 10 E.,  
unsurveyed Section 17, Township 11 N., Range 10 E.  
of the G. and 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 14th day of  
February, 1914.

Henry P. Randall  
Notary Public



Commission Expires  
Feb 24th 1914

TONTONATIONAL FOREST

ARIZONA

Chains

Applicant for listing; Forest Hale; Application No. 194, dated November 26, 1909; List No. 3-926, dated January 14, 1911; H. E. No. 014721 made by Forest Hale at Phoenix, Arizona, on June 29, 1911.

Surveyed under special instructions from the Surveyor General for Arizona dated November 8, 1913, and designated as Homestead Entry Survey No. 122.

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

This survey is located approximately in secs. 8, 9, 16 and 17, unsurveyed T. 11 N., R. 10 E., of the Gila and Salt River Base and Meridian within the Tonto National Forest, Arizona.

Survey commenced December 15, 1913 and executed with a W. and L. E. Gurley light mountain transit with vertical circle and Burt solar attachment, the least count of all arcs being one minute.

The distances were measured with a 200 lk. 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 determined by direct solar observation.

December 21, 1913: At 3 h. 0 m. p.m., l.m.t., observe alt. of sun for azimuth at cor. No. 4 as follows:

	Angle rt. Ref. to Sun	Obs. alt. of Sun	Position Sun	Position Telescope.
1.	83° 29'	19° 08'	+	Direct.
	83° 29'	19° 20-1/2'	+	Reversed
2.	85° 07'	17° 59'	+	Direct
	84° 54'	18° 19'	+	Reversed

Chains

Lat.  $34^{\circ} 20-1/2'$  N. Long.  $111^{\circ} 20' 30''$  W.

Therefore course from cor. No. 4 to reference point is S.  $41^{\circ} 55'$  W.

On the meridian corresponding to above I test the Burt solar and find it to be in adjustment.

There being no public land corners within two miles of this survey I tie to U. S. L. M. No. 121 H. E. S., which I establish in connection with H. E. Survey No. 121. Said U. S. L. M. No. 121 H. E. S. bears from cor. No. 1 N.  $15^{\circ} 39'$  E. 39.73 chs.

December 15, 1913.

Beginning at cor. No. 1

Identical with cor. No. 1 of list, which is a limestone 20 x 6 x 6 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a limestone 24 x 6 x 6 ins. 14 ins. in ground, over stone marked +, chiseled 1-HES122 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 12 ins. in dia., scribed 1 H E S 122 B T bears S.  $59^{\circ} 11'$  W. 201 lks.

A cedar 10 ins. in dia., scribed 1 H E S 122 B T bears N.  $85^{\circ} 36'$  W. 157 lks.

U. S. L. M. No. 121 H. E. S. bears N.  $15^{\circ} 39'$  E. 39.73 chs.

Mag. Va. at 2 p.m.  $14^{\circ} 13'$  E. therefore Mean Mag. Va. is  $14^{\circ} 15'$  E.

Lat.  $34^{\circ} 20'$  N.Long.  $111^{\circ} 20'$  W.Thence S.  $49^{\circ} 34'$  W.

Desc. thru scattered timber.

5.50 Leave timber, enter cultivated land.

9.50 Wash, 10 lks. wide, 4 ft. deep, course S.

HOMESTEAD ENTRY SURVEY NO. 122

TONTON NATIONAL FOREST

ARIZONA

Chains	
12.20	Leave cultivated field.
12.50	Wash, 15 lks. wide, 4 ft. deep, course S.
13.30	East Verde River, 60 lks. wide, course NW. and SE. 100 ft. below cor. No. 1. Asc.
16.35	Steep bank creek 20 ft. high, bears NW. and SE. Asc.
17.90	Top Ascent on ridge, bears NW. and SE. 50 ft. high, desc. thru scattered timber.
24.19	To cor. No. 2. 10 ft. above bed creek on north bank of creek. Identical with cor. No. 4 of list, which is a granite stone 20 x 10 x 6 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a granite stone 24 x 10 x 6 ins. 14 ins. in ground, over stone marked +, chiseled 2-HES122 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 12 ins. in dia., scribed 2 H E S 122 B T bears N. 47° 51' E. 101 lks. An oak 12 ins. in dia., scribed 2 H E S 122 B T bears N. 25° 14' W. 115.5 lks.
	Thence N. 40° 23' W. Asc. thru scattered timber and brush.
3.15	Road bears NE. and SW.
8.95	Wash, 15 lks. wide, 5 ft. deep, course SW. Leave scattered timber, enter heavy brush.
25.00	Top ascent on ridge 250 ft. high, bears NW. and SE. Desc. along West slope ridge.
39.50	Foot descent 100 ft. below ridge. Asc. along west slope ridge.
56.08	To cor. No. 3. 300 ft. above bed creek.

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Chains

Identical with cor. No. 3 of list, which is a sandstone  
 16 x 12 x 12 ins. marked and witnessed as described in  
 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 3-HES122 on side facing claim; raise  
 mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.  
 dist. within claim; whence,

+ B R 3 H E S 122 chiseled on face of limestone  
 boulder showing 1 x 5 x 2 ft. above ground

bears S. 23° 49' W. 33.5 lks.

A juniper 8 ins. in dia., scribed 3 H E S 122 B T

bears N. 58° 46' W. 279 lks.

Rain and cloudy, No observations possible.

December 16, 1913.

Thence N. 48° 08' E.

Desc. thru heavy brush.

8.00 Leave brush, enter open land.

10.00 Foot descent, 165 ft. below corner No. 3. Over level  
 ground.

10.20 Wash, 20 lks. wide, course SE.

14.50 Wire fence, bears NE. and SW. Enter cultivated field.

20.20 Arroyo, 10 lks. wide, 4 ft. deep, course SE.

20.40 Wire fence, bears NE. and SW. Leave cultivated field.

24.09 To cor. No. 4.

Identical with cor. No. 2. of list, which is a limestone  
 20 x 12 x 4 ins. above ground, marked and witnessed as  
 described in field notes of listing survey. Destroy  
 same and set a limestone 24 x 12 x 6 ins. 14 ins. in  
 ground, over stone marked +, chiseled 4-HES122 on side  
 facing claim; raise mound of stone 2 ft. base, 1-1/2 ft.  
 high, 3-1/2 ft. dist. within claim; whence,

+ B R 4 H E S 122 chiseled on face of limestone

boulder showing 3 x 6 x 1 ft. above ground bears

N. 31° 36' E. 27 lks.

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Chains	+ B R 4 H E S 122 chiseled on face of limestone . . . boulder showing 4 x 12 x 3 ft. above ground bears N. 66° 23' W. 46 lks. Cor. No. 3, H. E. S. No. 121 bears S. 88° 54' E. :16.57 chs.
	Thence S. 40° 25' E. . . . . Over level open ground.
0.95	Wire fence, bears NE. and SW: Enter cultivated field.
6.50	Wire fence; bears NW. and SE. Leave cultivated field.
10.00	Road bears N. and S.
10.80	Arroyo, 10 lks. wide, 4 ft. deep, course SE. Descending gradually . . . . .
16.00	Cherry Creek, 40 lks. wide, course SE.
16.70	Asc. bank 25 ft. high; course SE. Asc. gradually thru scattered timber.
24.00	Top ascent, 75 ft. above bed Cherry Creek. Descending gradually
28.40	Desc. steep rocky slope. Foot descent, 65 ft. below top. Over level ground. Leave timber.
31.60	Irrigation ditch, course S.
32.30	Road, bears N. and S.
32.80	Wire fence, bears N. and S. Enter cultivated field.
33.00	Cor. garden bears S. 50° W. 1.80 chs.
33.20	Wire fence, bears NE. and SW. Leave cultivated field. Desc. bank 10 ft. high.
33.60	East Verde River, 75 lks. wide, course S. Asc. along slope of valley thru brush.
40.75	Enter draw, 50 ft. above bed creek. Desc.
43.00	Foot descent in bottom draw. Asc.
53.00	Top ascent, 125 ft. above creek, Leave draw. Desc.
56.77	To cor. No. 1, the place of beginning. Cloudy. No observations possible.

Chains

AREA

Chains

Total Area Homestead Entry Survey No. 122 . . 136.16 acres

Improvements.

The improvements on this claim consist of:

A frame house, SE. cor. of which bears from cor. No. 1,

N. 42° 55' W. 25.80 chs. 24 x 22 ft., long side bears

NW. and SE. Value . . . . . \$500.00

A frame barn, the SE. cor. of which bears from cor. No. 1,

N. 57° 30' W. 27.80 chs. 30 x 24 ft., long side bears

E. and W. Value . . . . . \$150.00

A corral, center of which bears from cor. No. 1, N. 54°

50' W. 25.70 chs. Value . . . . . \$ 25.00

About 1-1/2 miles of wire fence.

Value . . . . . \$200.00

Total estimated value of improvements . . . . \$875.00

All of above improvements of claimant herein.

Description

This claim lies in valley formed by the East Verde River and Clear Creek, having a general slope toward the SE.

The land is, in part, rough and rocky and heavily covered with brush and some small timber. The claimant has

under cultivation the greater part of the level land,

which is well adapted to raising crops. There are

about 31 acres under cultivation, or have been, 1.5

acres of which is outside of claim.

No commercial timber on claim.

Water can be supplied by the East Verde River, but the

natural rainfall is depended upon to raise crops, al-

though a small garden patch near the house is irrigated,

water being ditched for this purpose from a spring on

the west end of H. E. S. No. 121, Arthur L. Neal,

claimant.



TSONTO NATIONAL FOREST

ARIZONA

Chains

The land is more valuable for agricultural purposes than any other and is chiefly used for such.

No evidence of mineralization was noted or known to be on claim.

Payson, Arizona, is located about 8 miles southerly and is reached by a fair wagon road.

Conflicts and Adjoining Claims.

H. E. S. No. 121, Arthur L. Neal, claimant, is located about 1/4 mile NE.

No other claims known nearby.

Survey completed December 22, 1913 by setting corners.

Sta.	Course	Dist.	Traverse			
			N.	S	E	W
1-2	S. 49° 34' W.	24.19		15.69		18.41
2-3	N. 40° 23' W.	56.08	42.72			36.33
3-4	N. 48° 08' E.	24.09	16.08		17.94	
4-1	S. 40° 25' E.	56.77		43.22	36.81	
		161.13	58.80	58.91	54.75	54.74
				58.80	54.74	

Error in Lat. and Dep. .11 .01

Error of closure 1:1458

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

W. A. Finigan  
Forest Service Surveyor.

FOREST NATIONAL FOREST

ARIZONA

Chains

Chains

The land is more valuable for agricultural purposes than any other and is chiefly used for such. No evidence of mineralization was noted or known to be on claim. Payson, Arizona, is located about 3 miles southerly and is reached by a fair wagon road.

Conflicts and Adjoining Claims. H. E. & W. L. I. Arthur L. Neal, claimant, is located about 1/4 mile NE. No other claims known nearby. Survey completed December 22, 1913 by setting corners.

Sta.	Course	Dist.	M.	S	E	W
1-2	S. 49° 34' W.	24.19		15.69		18.41
2-3	N. 40° 23' W.	26.08	48.78			36.33
3-4	N. 48° 08' E.	24.09	16.08		17.24	
4-1	S. 40° 25' E.	26.77	43.22	36.81		
		151.13	58.80	58.91	54.75	54.74
			58.80	54.74		

Error in Dist. and Dep. Error of course 1:1488 Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

W. A. Finigan  
Forest Service Surveyor.

Direct Obsn. at Cor. No. 4 Dec. 21, 1913 at 3h. 0m. P.M., l.m.t.,  
 Lat.  $34^{\circ} 20\frac{1}{2}'$  N.

∠rt Ref. Pt. to sun	Obs. alt. sun.	Pos. sun	Pos telescope.
1 $(83^{\circ} 29')$	$19^{\circ} 08'$	$\frac{9}{10}$	Direct
1 $(83^{\circ} 29')$	$19^{\circ} 20\frac{1}{2}'$	$\frac{10}{10}$	Reversed
2 $(85^{\circ} 07')$	$17^{\circ} 59'$	$\frac{9}{10}$	Direct
2 $(84^{\circ} 54')$	$18^{\circ} 19'$	$\frac{10}{10}$	Reversed

Decl app. noon Greenwich =  $23^{\circ} 26' 57.8''$   
 Dif for 1h. 30m. = 11.76  
 Decl. at 3h. 0m. P.M. =  $23^{\circ} 27' 09.56''$

Obs. alt. $19^{\circ} 08'$	$17^{\circ} 59'$
$19^{\circ} 20\frac{1}{2}'$	$18^{\circ} 19'$
<u><math>2 \sqrt{38^{\circ} 28' 30''}</math></u>	<u><math>2 \sqrt{36^{\circ} 18'}</math></u>
$19^{\circ} 14' 15''$	$18^{\circ} 09'$
$2' 44''$	$2' 56''$
<u><math>19^{\circ} 11' 31''</math></u>	<u><math>18^{\circ} 06' 04''</math></u>

sin.  $23^{\circ} 27' 10''$  = 9.5998756  
 cos.  $34^{\circ} 20' 30''$  =  $\frac{9.9168161}{9.6830595}$   
 cos.  $19^{\circ} 11' 30''$  =  $\frac{9.9751671}{9.7078924}$  = .51038

tan  $34^{\circ} 20' 30''$  = 9.8345605  
 tan  $19^{\circ} 11' 30''$  =  $\frac{9.5416713}{9.3762318}$  =  $\frac{.23781}{.74819}$  =  $41^{\circ} 34'$

Cor. No. 4 to sun = S  $41^{\circ} 34'$  W.  
 ∠rt. to Ref. pt. =  $276^{\circ} 31'$   
 Cor. No. 4 to Ref. Pt. = S  $41^{\circ} 55'$  E.

Sin  $23^{\circ} 27' 10''$  = 9.5998756  
 cos.  $34^{\circ} 20' 30''$  =  $\frac{9.9168161}{9.6830595}$   
 Cos.  $18^{\circ} 06' 00''$  =  $\frac{9.9779593}{9.7051002}$  = .50711

tan.  $34^{\circ} 20' 30''$  = 9.8345605  
 tan.  $18^{\circ} 06' 00''$  =  $\frac{9.5143490}{9.3489095}$  =  $\frac{.22331}{.73042}$  =  $43^{\circ} 05'$

Cor. No. 4 to sun = S.  $43^{\circ} 05'$  W.  
 ∠rt. to Ref. Pt. =  $274^{\circ} 59\frac{1}{2}'$   
 Cor. No. 4 to Ref. Pt. = S.  $41^{\circ} 55\frac{1}{2}'$  E.

Average = S.  $41^{\circ} 55'$  E.

Direct Obs. of Corona A. Dec. 11, 1904  
 Alt. Ref. to sun = 2.41° 34' W.  
 Alt. Ref. to Ref. = 2.41° 34' W.  
 Alt. Ref. to Ref. = 2.41° 34' W.  
 Direct  
 Reversed  
 Direct  
 Reversed

Decl. at Noon Greenwich = 22° 36' 57.8"  
 Decl. for Nov. 30 = 11.75  
 Decl. at N. Only = 22° 36' 57.8"

Obs. alt. 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'  
 12° 08'

sin 28° 27' 10" = 0.473735  
 cos 24° 23' 30" = 0.910101  
 0.431333  
 cos 18° 08' 00" = 0.979723  
 0.461002 = 0.0711  
 tan 24° 23' 30" = 0.454603  
 tan 18° 08' 00" = 0.324390  
 0.129213 = 0.0081  
 0.129213 = 0.0081

Corona A. to sun = 2.41° 34' W.  
 Alt. to Ref. = 2.41° 34' W.  
 Corona A. to Ref. = 2.41° 34' W.

sin 28° 27' 10" = 0.473735  
 cos 24° 23' 30" = 0.910101  
 0.431333  
 cos 18° 08' 00" = 0.979723  
 0.461002 = 0.0711  
 tan 24° 23' 30" = 0.454603  
 tan 18° 08' 00" = 0.324390  
 0.129213 = 0.0081  
 0.129213 = 0.0081

Corona A. to sun = 2.41° 34' W.  
 Alt. to Ref. = 2.41° 34' W.  
 Corona A. to Ref. = 2.41° 34' W.





APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona,

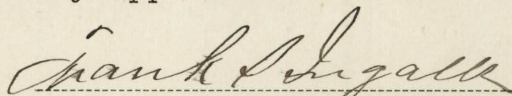
December 1, 1914 .

The foregoing field notes of Homestead Entry Survey No.

122

Forest Hale,

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.



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.