FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 122
SITUATED IN THE
TORREY 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
Cila and Salt River Base and Meridian.
ARIZONA

Survey executed by W. J. Finigan, Forest Service Surveyor.
Under special instructions dated November 8, 1912.
Survey commenced December 15, 1912.
Survey completed December 22, 1912.

Applicant for listing Forest Hale
Residence Payson, Arizona
Application No. 194, dated November 26, 1909.
List No. 3-226, 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 S. 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 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.

Subscribed and sworn to before me this day of

Chairman

Chairman

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, 1918, 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 Lot No. 398, dated Jan. 14, 1911, for Patent, under the Act of June 30, 1902, 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 S. 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 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.

Subscribed and sworn to before me this day of

Forest Service Surveyor.
HOMESTEAD ENTRY SURVEY NO. 122
T2S R29W Sect. 9
ARIZONA

Chains

Applicant for listing: Forest Hale; Application No. 194, dated November 26, 1909; List No. 3-986, 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 sec. 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:

<table>
<thead>
<tr>
<th>Angle rt. Ref. to Sun</th>
<th>Obs. alt.</th>
<th>Position of Sun</th>
<th>Position of Telescope</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 83° 29'</td>
<td>19° 08'</td>
<td>%</td>
<td>Direct</td>
</tr>
<tr>
<td>2. 83° 29'</td>
<td>19° 20-1/2</td>
<td>%</td>
<td>Reversed</td>
</tr>
<tr>
<td>2. 85° 07'</td>
<td>17° 59'</td>
<td>%</td>
<td>Direct</td>
</tr>
<tr>
<td>2. 84° 54'</td>
<td>18° 19'</td>
<td>%</td>
<td>Reversed</td>
</tr>
<tr>
<td>Chains</td>
<td>Lat. 34° 20-1/2' N. Long. 111° 20' 30'' W.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Therefore course from cor. No. 4 to reference point is S. 41° 55' W.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>On the meridian corresponding to above I test the Burt solar and find it to be in adjustment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>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° 39' E. 39.73 chs.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 L-HES 122 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 L H E S 122 B T bears S. 59° 11' W. 201 lbs. A cedar 10 ins. in dia., scribed L H E S 122 B T bears N. 85° 26' W. 157 lbs.

U. S. L. M. No. 121 H. E. S. bears N. 15° 39' E. 39.73 chs.

Mag. Va. at 2 p.m. 14° 13' E. therefore Mean Mag. Va. is 14° 15'.

Lat. 34° 20' N. Long. 111° 20' W.

Thence S. 49° 34' W.

Desc. thru scattered timber.

5.50 Leave timber, enter cultivated land.

9.50 Wash, 10 lbs. wide, 4 ft. deep, course S.
Chains
12.20 Leave cultivated field.
12.50 Wash, 18 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 witnesed 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 off.

2-H E S 122 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. 116.5 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.
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-HE3122 on side facing claim; raise  
mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft.  
dist. within claim; whence,  
+ BR 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-HE3122 on side  
facing claim; raise mound of stone 2 ft. base, 1-1/2 ft.  
high, 3-1/2 ft. dist. within claim; whence,  
+ BR 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.
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ B R 4 H E S 122 chiseled on face of limestone</td>
</tr>
<tr>
<td>boulder showing 4 x 12 x 3 ft. above ground bears</td>
</tr>
<tr>
<td>N. 66° 23' W. 46 lbs.</td>
</tr>
<tr>
<td>Cor. No. S. H. E. S. No. 121 bears S. 68° 54' E.</td>
</tr>
<tr>
<td>16.57 chs.</td>
</tr>
</tbody>
</table>

- 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. |
- 10.60 Arroyo, 10 lbs. wide, 4 ft. deep, course SE. Descending gradually. |
- 16.00 Cherry Creek, 40 lbs. 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 |
- 26.40 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. |
- 32.60 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 lbs. 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

| 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

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, although 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.
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.

<table>
<thead>
<tr>
<th>Sta.</th>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<tbody>
<tr>
<td>1-2</td>
<td>S. 49° 34' W.</td>
<td>24.19</td>
<td>15.69</td>
<td>18.41</td>
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</tr>
<tr>
<td>2-3</td>
<td>N. 40° 23' W.</td>
<td>56.08</td>
<td>42.72</td>
<td>36.33</td>
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<td></td>
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<tr>
<td>3-4</td>
<td>N. 48° 08' E.</td>
<td>24.09</td>
<td>16.08</td>
<td>17.94</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-1</td>
<td>S. 40° 25' E.</td>
<td>56.77</td>
<td>43.22</td>
<td>36.81</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>161.13</td>
<td>58.80</td>
<td>58.91</td>
<td>54.75</td>
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<td>58.80</td>
<td>54.74</td>
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<tr>
<td>Error in Lat. and Dep.</td>
<td>.11</td>
<td>.01</td>
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<tr>
<td>Error of Closure</td>
<td>1:1458</td>
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<td></td>
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</tbody>
</table>

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. Cm. P.M., I.M.T.,
Lat. 34° 20' N.
1 (33° 29') 19° 08' * Direct
2 (33° 29') 19° 20' * Reversed
1 (85° 07') 17° 59' * Direct
2 (84° 54') 18° 19' * Reversed

Decl. app. noon Greenwich = 23° 26' 57.8"
Dif. for l0h. Cm. = 11.76
Decl. at 3h. Cm. P.M. = 23° 27' 09.56"

Obs. alt. 19° 08'
19° 20'
2 (33° 29' 30"
19° 14' 15"
2 (5° 11' 31"
2° 44"
19° 11' 31"
2° 56"
19° 11' 31"
18° 06' 04"

sin. 23° 27' 10" = 9.5998756
cos. 33° 29' 30" = 9.9168161
9.6830895
9.7082924 = .51038
9.8345605
9.8416713
9.3762318 = .23781
9.74819 = 41° 34'

Cor. No. 4 to sun = S 41° 34' W.
Art. to Ref. Pt. = 276° 31'
Cor. No. 4 to Ref. Pt. = S 41° 55' E.

Sin. 23° 27' 10" = 9.5998756
Cos. 34° 20' 30" = 9.9168161
9.6830895
9.7082924 = .51038
9.8345605
9.8416713
9.3762318 = .23781
9.74819 = 41° 34'

Cor. No. 4 to sun = S 43° 05' W.
Art. to Ref. Pt. = 274° 59'
Cor. No. 4 to Ref. Pt. = S 41° 55' E.

Average = S 41° 55' E.
<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
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<tr>
<td></td>
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<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
<td></td>
</tr>
<tr>
<td>3-4</td>
<td>N 46° 08' E</td>
<td>24.09</td>
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<td>17.94</td>
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<tr>
<td>4-1</td>
<td>S 40° 25' E</td>
<td>56.77</td>
<td>43.22</td>
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<td>36.33</td>
<td>56.33</td>
<td>1553.47</td>
<td></td>
</tr>
</tbody>
</table>

CLOSING ERROR 1.1456

1361.63 = 136.16 Acres
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 corrections 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.