FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 146

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 2

in

Section 1, unsurveyed, Township 19 N., Range 16 E.

Section 15, unsurveyed, Township 10 N., Range 13 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter C. Turley, Surveyor-Forst. Service

Under special instructions dated November 29, 1913.

Survey commenced September 11, 1914.

Survey completed September 12, 1914.


Applicant for listing J. A. Larson

Residence Young, Arizona.

Application No. 40, dated August 6, 1906.

List No. 128, dated May 25, 1907.

Applicant for survey Jane A. Larson

Residence Young, Arizona.

H. E. No. 019524, dated October 14, 1912.

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. 144, in unsurveyed Section 12, Township 10 N., Range 13 E., of the G. & S.R.R. & 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.

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

Subscribed and sworn to before me this 10th day of October, 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 November 29, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in Homestead Entry Survey No. 144, dated May 25, 1914, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 144, situated within the Township 10 N., Range 13 E., National Forest, in unsurveyed Section 12, Township 10 N., Range 13 E., of the G. & S.R.R. & 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.

Walter G. Turley
Surveyor-Forest Service

Subscribed and sworn to before me this 1914.

[Signature]

[Seal]
APPLICATION FOR LISTING,
J. A. Larson;
Application No. 1,
dated August 6, 1906;
List No. 128, dated May 25, 1907;
Homestead Entry No. 019524, made in the Phoenix Land
Office on October 14, 1912 by Jane E. Larson, whose
post office address is Young, Arizona.
Surveyed under Acts of June 11, 1906 and June 30, 1914,
and special instructions from the Surveyor General for
Arizona, dated November 29, 1913, and designated as
Homestead Entry Survey No. 146.
Situated in what will probably be, when surveyed, sec.
12, T. 10 N., R. 13 E., Gila and Salt River Base and
Meridian, within the Tonto National Forest, Arizona.

Survey commenced September 11, 1914 and executed with a
W. and L. E. Gurley light mountain transit No. 12953
provided with prism eye piece, stadia wires, vertical
circle and Burt solar attachment. The horizontal limb
of the transit has two double verniers placed opposite
to each other and graduated to single minutes of arc,
which is also the graduation upon the verniers of the
latitude and declination arcs.
I test the adjustments of the transit and solar attach-
ment, and make necessary corrections. The stadia wire
interval is adjusted to read 1:132.
All distances are horizontal, and were reduced from meas-
urements made directly on the slope, with a standard
500 link steel tape graduated to links and tenths; and
the slope angles determined with a clinometer, the vern-
ier of which reads to degrees; and a Philadelphia stadia
rod, graduated to feet and hundredths, provided with two
targets, the verniers of which read to thousandths of
a foot.
Chains

September 11, 1914.

I set up my transit over cor. H-4 of list 128, which is a granite stone 9 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 7h. 06m. p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Lat. 34° 13' 47" N., Long. 110° 57' 44" W.

Astron. l.m.t. obsn., September 10, 1914, 31h. 06.0m.

Astron. l.m.t. U.C. Pol., Sept. 10, 1914, 14h. 11.3m.

Hour angle Pol. at obsn.,

16h. 53.7m.

23h. 56.1m.

Time argument, 7th. 02.4m.

Azimuth Pol. at obsn., 1° 20' E.

With my transit set up over cor. H-4 of list 128, heretofore described, and the telescope reversed in altitude and azimuth, at 7h. 14m. p.m., l.m.t. on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t. obsn., September 10, 1914, 31h. 14.0m.

Astron. l.m.t. U.C. Pol., Sept. 10, 1914, 14h. 11.3m.

Hour angle Pol. at obsn.,

17h. 02.7m.

25h. 56.1m.

Time argument, 6th. 53.4m.

Azimuth of Pol. at obsn., 1° 20' 48" E.

September 11, 1914.

September 12, 1914.

I turn off 1° 20', the azimuth of Polaris, to the West from her direction at 7h. 05m. p.m., l.m.t., September
Chains

11, 1914, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. W. of my station.

I also turn off 1° 21', the azimuth of Polaris, to the West from her direction at 7h. 14m. p.m., l.m.t., and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

This line falls 0° 00' 18" of measured arc to the West of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. W. of my station, and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angular.

Latitude 34° 09' 34" N. and Longitude 110° 57' 29" W.
at the NW. cor. of T. 9 N., R. 14 E., G. and S. R. B.
and M., obtained from the special instructions of the Surveyor General; which gives Latitude 34° 18' 47" N.
and Longitude 110° 57' 44" W. at cor. No. 1 of this survey. It was not practicable to check the latitude by direct observation upon the sun.

I observe the magnetic declination at cor. No. 1 to be
15° 20' E. at 10h. Com. a.m., l.m.t., September 12,
1914, which gives a mean magnetic declination of 15°
19' E.

There being no corner of the public land survey within
two miles of this claim, this survey is tied to U. S.
L. M. No. 58, which was established in connection with
E. S. B. No. 58 of W. J. Young, and is described by the
Surveyor General as follows: U. S. L. M. No. 58 is
Chains

on a rocky point of bluff, 50 ft. above Haigler Creek
at the most conspicuous point available. The rim of
the Mogollon Mountains rises about seven miles to the
North. This ranch is itself the most conspicuous and
well known feature of the country for several miles.
The location monument is a red granite boulder pro-
jecting 5 x 3 x 2 1/2 ft. above ground, chiseled
U 8 L H 58 +, with a mound of stone, 4 ft. high, 6
ft. base, alongside.

A 20 in. Juniper, scribed U 8 L H 58 B T,
bears N. 27° 21' E., 116 lbs.

A 30 in. Juniper, scribed U 8 L H 58 B T,
bears N. 56° 05' E., 165 lbs.

W. corner of W. J. Young's dwelling bears
S. 51° 04' E., 5.80 chs.

There are no other conspicuous or well known points
visible from this or any other location in the vicinity.
Cor. No. 1, H. M. S. 146, hereafter described, bears
N. 21° 26' 08" E., 146.49 chs. dist. by traverse which
appears at end of these notes.

Beginning at cor. No. 1.

Identical with cor. H-4 of list 123, which is a granite
stone 7 x 6 x 5 ins. above ground, marked and witnessed
as described by the Forest Service. I destroy cor.
H-4 and its witnesses, and, for cor. No. 1 of this sur-
vey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit
it 16 ins. in the ground, over which I set a granite
stone 26 x 12 x 6 ins., 16 ins. in the ground, chisel-
ed (+) at the point and 1 - H 2 S 146 on the NE. face;
and raise a mound of stone 2 ft. base, 1 1/2 ft. high,
NE. of cor., from which:
Chains from I, a 5 in. pine, scribed 1 H 11 S 146 + B T.

North, 400 ft. on 8, a 16 in. pine, scribed 1 H 13 S 146 + B T.

Thus far, I have seated at 3, 78° 20' E., 136 lbs. till.

Where I met the course of cor. No. 2.

Thence North, H S bearing, quarter mi. W. A.

Ascend along W. slope in undergrowth, 30 ft.

28.60, Forest Service telephone line, bears E. and W.

29.50, cease ascending and continue along rolling W. slope.

48.00 To cor. No. 2.

Identical with cor. H-3 of list 128, which is a sandstone 2 x 5 x 5 ins., above ground, marked and witnessed as described by the Forest Service. I destroy cor.

H-3 and its witnesses, and cor. No. 2 of this survey I chisel (+) on a stone 5 x 5 x 5 ins., and deposit it 16 ins. in the ground, over which I set a quartzite stone 26 x 14 x 8 ins., 16 ins. in the ground, chiseled (+) at the point and 2 H 13 S 146 on the SB. face; I am and raise a mound of stone 2 ft. base, 1-1/2 ft. high.

SB: of cor. from which: H 11 S 146 + B T.

A 5 in. pine, scribed 2 H 13 S 146 + B T.

bears E. 33° 46' E., 66 lbs. A 5 in. pine.

After 59.6 in. black oak, scribed 2 H 13 S 146 + B T.

bears E. 38° 40' E., 64 lbs. 3 x 5 wood.

I have seated 1 1/2 ft. back of the old H-2.

Thence 39° 00' E. 32 ft., northerly east has 1-H.

Descend SB. slope 20 ft. in undergrowth. 5 ft.

10.96 To cor. No. 3.

Identical with cor. H-2 of list 128, which is a sandstone 7 x 5 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses, and for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and de-
HOMESTEAD ENTRY SURVEY NO. 146
Tonto National Forest
State of Arizona

Chains: posit it 15 ins. in the ground, over which I set a quartzite stone 25 x 12 x 6 ins., 15 ins. in the ground, chiseled (+) at the point and 3 - H E S 146 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., from which:

- A 28 in. juniper, scribed 3 H E S 146 + B T,
  - bears N. 75° 00' W., 20 lks.
- A 9 in. black oak, scribed 3 H E S 146 + B T,
  - bears S. 85° 20' E., 19 lks.

Thence S. 1° 09' W.
Descend SE. slope 10 ft. in undergrowth.
3.00 Right bank Haigler Creek, 100 lks. wide, banks 3 ft. high, course SW. Ascend NW. slope 50 ft. in undergrowth.
5.50 Ridge, bears SE. and NW. Descend rolling E. slope 70 ft. in undergrowth.
22.50 Forest Service telephone line, bears NW. and SE.
35.00 Leave slope, bears NW. and SE. and enter bottom.
43.60 Leave bottom, bears NE. and SW. and ascend NW. slope 20 ft.
47.74 To cor. No. 4.

Identical with cor. H-1, of list 128, which is a granite stone 8 x 6 x 5 ins., above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses, and for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 15 ins. in the ground, over which I set a sandstone 25 x 12 x 4 ins., 15 ins. in the ground, chiseled (+) at the point, and 4 - H E S 146 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., from which:

- A 4 in. pine, scribed 4 H E S 146 + B T,
Chains

A 6 in. oak, scribed 4 H E S 146 + B T.
bears N. 27° 30' W., 17 lks.

Thence West.

Descend NW. slope in undergrowth, 30 ft.
6.88 Pole fence, bears NE. and SW. Enter field.
8.62 Left bank Haigler Creek, 50 lks. wide, banks 2 ft.

9.67 Fence, bears NE. and SW. Enter cultivated land.
10.79 Fence, bears N. and S. Leave cultivated land.
10.89 Trail to Young, bears N. and S.
15.00 To cor. No. 2, the place of beginning.

Area: -------------- - 74.11 acres.

IMPROVEMENTS.

The improvements made upon and for the benefit of this homestead consist of the following:

A log dwelling, 24 x 16 ft., the long side extending N. and S. and the SW. cor. of which bears N. 35° 10' E., 18.25 chs. dist. from cor. No. 1 of this survey.

Estimated value: $400.00

A frame stable, 80 x 25 ft., the long side extending N. and S. and the SW. cor. of which bears N. 31° 45' E., 13.75 chs. dist. from cor. No. 1 of this survey.

Estimated value: $750.00

Approximately 1 mile of pole and wire fencing.

Estimated value: $100.00

Approximately 6 acres of cultivated land.
C H A I N S

D S C R I P T I O N.

This claim is situated on Haigler Creek, which drains westward into Tonto Creek, and occupies little bottoms.

There is a little timber in this section and a few trees are included in this survey.

An abundance of water for all purposes is obtained from Haigler Creek, which flows the entire year.

The soil is a clay loam in the bottoms and produces alfalfa, small grains, sorghums and fruit, but this claim is best adapted for a cattle ranch.

This section is not reported to be mineralized and no townsites, coal, oil, or mining claims are known to have been located in this vicinity.

Young post office is 9 miles by road in a Southerly direction. Holbrook railway station is 184 miles by wagon road in a Northesterly direction.

There are no conflicts or adjoining claims.

Tie U. S. L. M. 58 to Cor. No. 1 H. E. S. 146.

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<tr>
<th>Bearing</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<td>N. 17° 30' E.</td>
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<td>N. 27° 30' E.</td>
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<td>3.14</td>
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<td>0.61</td>
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<td>N. 18° 03' W.</td>
<td>7.60</td>
<td>7.23</td>
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<td>2.35</td>
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|     | 146.49 | 0.00  | 79.36 | 2.95 |
|     | 124.97 | 2.96  | 76.40 |

TR A V E R S E.

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<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<td>1-2 North</td>
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<td>48.00</td>
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<tr>
<td>2-3 S. 89° 00' E.</td>
<td>15.96</td>
<td>0.28</td>
<td>15.96</td>
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<tr>
<td>3-4 S. 1° 09' W.</td>
<td>47.74</td>
<td>47.73</td>
<td>0.96</td>
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<tr>
<td>4-1 W.</td>
<td>15.00</td>
<td>15.00</td>
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|     | 152.70 | 48.00 | 48.01 | 15.96 | 15.96 |
|     | 48.00  | 15.96 |

Closing error 1:12870

Survey completed September 12, 1914.

Walter W. Farrow
Surveyor Forest Service.
### TABLEING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 146

**STATE OF Arizona — Tonto. Jane E. Larson.**

<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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<td>1-2</td>
<td>North</td>
<td>48.00</td>
<td>48.00</td>
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<td>48.01</td>
<td>15.96</td>
<td>15.00</td>
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**Closing error 122670.**

Area: 74.11 Acres.
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, April 16, 1917.

The foregoing field notes of Homestead Entry Survey No. 146

executed by Walter G. Turley, Surveyor Forest Service
under his special instructions, dated November 29, 1913 having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

[Signature]
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the
above-described survey in the State of Arizona, has been
correctly copied from the original notes on file in this office.

[Signature]
U. S. Surveyor General.