

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

1012-1017

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 146

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

~~Section 1, unsurveyed, Township 10 N., Range 13 E.~~

Section 12, unsurveyed, Township 10 N., Range 13 E.

(secs. 2 and 11)

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service  
Under special instructions dated November 29, 1913  
Survey commenced September 11, 1914  
Survey completed September 12, 1914  
Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing J. A. Larson  
Residence Young, Arizona  
Application No. 1, dated August 6, 1906  
List No. 128, dated May 25, 1907  
Applicant for survey Jane E. 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. 146, in  
~~unsurveyed Section 1~~, Township 10 N., Range 13 E.,  
~~unsurveyed Section 12~~, Township 10 N., Range 13 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 expensive and incon-  
venient to appear before an  
officer to administer oaths  
to Assistants; hence, they  
were taken by the Surveyor.

Charles D. Hodson, Chainman  
Charles G. Baecht, Chainman  
-----  
-----

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, sur-  
veyed a tract of land ~~under the application of~~ embraced in  
List, No. 128, dated May 25, 1907, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 146,  
situated within the TONTO National Forest, in  
~~unsurveyed Section 1~~, Township 10 N., Range 13 E., and  
~~unsurveyed Section 12~~, Township 10 N., Range 13 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 4th day of

December, 1914.  
my commission expires July 1, 1916

Albert L. Hanson  
Notary Public



## TONTON NATIONAL FOREST

## STATE OF ARIZONA

## Chains

Applicant 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 attachment, and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal, and were reduced from measurements 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 vernier 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.

TONTO NATIONAL FOREST

STATE OF ARIZONA

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. 05m. 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.  $34^{\circ} 13' 47''$  N., Long.  $110^{\circ} 57' 44''$  W.

Astron. l.m.t. obsn., September 10, 1914, 31h. 05.0m.

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, 7h. 02.4m.

Azimuth Pol. at obsn.,  $1^{\circ} 20'$  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.  
23h. 56.1m.

Time argument, 6h. 53.4m.

Azimuth of Pol. at obsn.,  $1^{\circ} 20' 48''$  E.

September 11, 1914.

September 12, 1914.

I turn off  $1^{\circ} 20'$ , the azimuth of Polaris, to the West from her direction at 7h. 05m. p.m., l.m.t., September

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

11, 1914, and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. 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. N. of my station, and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

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° 13' 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. 00m. 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 H. E. S. No. 56 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 projecting 5. x 3 x 2-1/2 ft. above ground, chiseled U S L M 58 +, with a mound of stone, 4 ft. high, 6 ft. base, alongside.

A 20 in. juniper, scribed U S L M 58 B T, bears N. 27° 21' E., 116 lks.

A 30 in. juniper, scribed U S L M 58 B T, bears N. 56° 05' E., 155 lks.

W. corner of W. J. Young's dwelling bears S. 51° 04' E., 5.90 chs.

There are no other conspicuous or well known points visible from this or any other location in the vicinity. Cor. No. 1, H. E. S. 146, hereafter described, bears N. 31° 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 128, 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 survey, 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 5 ins., 16 ins. in the ground, chiseled (+) at the point and 1 - H E 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:

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains 1 1/2 in. pinon, scribed 1 H E S 146 + B T,  
 bears N. 12° 00' SE., 33 lks.  
 1 1/2 in. pine, scribed 1 H E S 146 + B T,  
 bears S. 78° 20' E., 156 lks.

Thence North. 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 granite stone 8 x 5 x 5 ins. above ground, marked and witnessed as described by the Forest Service. Destroy cor. H-3 and its witnesses, and for cor. No. 2, of this survey I chisel (+) on a stone 3 x 3 x 3 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 1/2 in. on the SE. face; and raise a mound of stone 2 ft. base, 1 1/2 ft. high SE. of cor., from which:

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

bears S. 33° 45' E., 66 lks.

A 6 in. black oak, scribed 2 H E S 146 + B T,

bears N. 26° 40' E., 64 lks.

Thence S. 89° 00' E., 64 lks.

Descend SE. slope 20 ft. in undergrowth.

- 15.96 To cor. No. 3.

Identical with cor. H-2 of list 128, which is a sandstone 7 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. 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-

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>posit it 15 ins. in the ground, over which I set a quartzite stone 25 x 12 x 8 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:</p> <p style="padding-left: 40px;">A 28 in. juniper, scribed 3 H E S 146 + B T, bears N. 75° 00' W., 20 lks.</p> <p style="padding-left: 40px;">A 9 in. black oak, scribed 3 H E S 146 + B T, bears S. 85° 20' E., 19 lks.</p>
	<p>Thence S. 1° 09' W.</p> <p>Descend SE. slope 10 ft. in undergrowth.</p> <p>3.00 Right bank Haigler Creek, 100 lks. wide, banks 3 ft. high, course SW. Ascend NW. slope 50 ft. in undergrowth.</p> <p>6.50 Ridge, bears SE. and NW. Descend rolling E. slope 70 ft. in undergrowth.</p> <p>22.50 Forest Service telephone line, bears NW. and SE.</p> <p>36.00 Leave slope, bears NW. and SE. and enter bottom.</p> <p>43.60 Leave bottom, bears NE. and SW. and ascend NW. slope 20 ft.</p> <p>47.74 To cor. No. 4.</p> <p>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:</p> <p style="padding-left: 40px;">A 4 in. pine, scribed 4 H E S 146 + B T,</p>



TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

bears S. 24° 30' W., 36 lks.

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, 60 lks. wide, banks 2 ft. high, course SE. Ascend E. slope 30 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. 1, the place of beginning.

AREA.

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.

HOMESTEAD ENTRY SURVEY NO. 146

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

DESCRIPTION.

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 124 miles by wagon road in a Northeasterly direction.

There are no conflicts or adjoining claims.

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

Bearing	Dist.	N	S	E	W
N. 17° 30' E.	29.71	28.33		8.93	
N. 45° 30' E.	73.27	51.36		52.26	
N. 27° 30' E.	39.36	34.91		18.17	
N. 11° 00' W.	3.20	3.14			0.61
N. 18° 03' W.	7.60	7.23			2.35
		124.97	0.00	79.36	2.96
	146.49	0.00		2.96	
N. 31° 26' 08" E.		124.97		76.40	

TRAVERSE.

Cor. Course	Dist.	N	S	E	W
1-2 North	48.00	48.00			
2-3 S. 89° 00' E.	15.96		0.28	15.96	
3-4 S. 1° 09' W.	47.74		47.73		0.96
4-1 West	15.00				15.00
	126.70	48.00	48.01	15.96	15.96
			48.00	15.96	
Error in lat. and dep.			0.01	0.00	

Closing error 1:12670

Survey completed September 12, 1914.

*Walter J. Purley*  
Surveyor - Forest Service.

DIRECTIONS.—1. Carry out calculations to two decimals only.  
2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink. 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 the 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. 146, STATE OF ARIZONA, Tonto, Jeano E. Larson.

8-2340

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	North	48.00	48 00				0 00		
2-3	S. 89° 00' E.	15.96		0 28	15 96		15 96	4 47	
3-4	S. 1° 09' W.	47.74		47 73		0 96	30 96	1477 72	
4-1	West	15.00				15 00	15 00		
		126.70	48 00	48 01	15 96	15 96		1482 19	
			48 01	48 01	15 96	15 96		74 11	Acres.
									T.H.
Closing error 1:2670									

93

APPROVAL

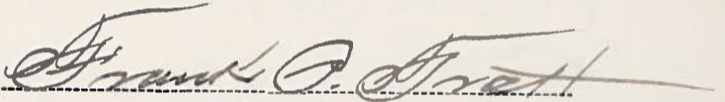
Office of the United States Surveyor General,

Phoenix, Arizona, April 16, 1917.

The foregoing field notes of Homestead Entry Survey No.

146

executed by Walter G. Turley, Surveyor Forest Service [Forest Service Title.]  
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.

  
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.

-----Frank P. Trott-----  
U. S. Surveyor General.