

49  
MAY 17 1915  
RECORDED

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 174

SITUATED IN THE

COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 12, unsurveyed, Township 13 N., Range 9 E.

Section 6, unsurveyed, Township 13 N., Range 10 E.

Section 7, unsurveyed, Township 13 N., Range 10 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service

Under special instructions dated March 23, 1914

Survey commenced June 10, 1914

Survey completed June 11, 1914

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

Applicant for listing Henry Peach

Residence Pine, Arizona.

Application No. 76, dated July 31, 1908

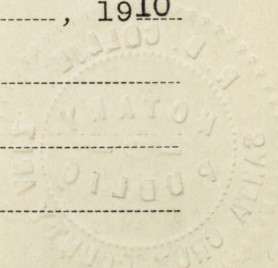
List No. 3-396, dated January 7, 1910

Applicant for survey Henry Peach

Residence Pine, Arizona

H. E. No. 011080, dated July 26, 1910

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. 174, in  
unsurveyed Section 12, Township 13 N., Range 9 E.,  
unsurveyed Section 6, Township 13 N., Range 10 E.,  
unsurveyed Section 7, Township 13 N., Range 10 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  
the 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 17<sup>th</sup> day of  
November, 1914.

Walter G. Turley  
Surveyor-Forest Service

OATH OF SURVEYOR  
Service

I, Walter G. Turley, Surveyor-Forest, do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
March 23, 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. 3-396, dated January 7, 1910, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 174,  
situated within the COCONINO National Forest, in  
unsurveyed Section 12, Township 13 N., Range 9 E., and  
unsurveyed Section 6, Township 13 N., Range 10 E.,  
unsurveyed Section 7, Township 13 N., Range 10 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 16<sup>th</sup> day of  
November, 1914.

My commission expires Dec 6, 1918  
R. B. Callie  
Notary Public



## COCONINO NATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing, Henry Peach; Application No. 76, dated July 31, 1908; List 3-396, dated January 7, 1910; H. E. No. 011080, made in the Phoenix Land Office on July 26, 1910 by Henry Peach.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 23, 1914 and designated as Homestead Entry Survey No. 174.

Located on unsurveyed land, but will probably be, when surveyed, in sec. 12, T. 13 N., R. 9 E., and secs. 6 and 7, T. 13 N., R. 10 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

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

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Survey commenced June 10, 1914 and executed with a W. and L. E. Gurley light mountain transit No. 12953 with vertical circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least 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 is adjusted to read 1:132.

All distances are horizontal and were reduced from measurements made on the slope with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths, with target verniers reading to thousandths. The slope angles were determined with a clinometer.

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Chains June 10, 1914.

At 9h. 30m., p.m., l.m.t., I observe Polaris at the 1/4 sec. cor. to secs. 7 and 12, T. 13 N., Rs. 9 and 10 E., which is a post 3 ins. sq. and 2 ft. above ground, marked and witnessed as described by the Surveyor General, with telescope direct and mark the direction thus determined with a tack in a stake set 5.00 chs. N. of my station. Lat.  $34^{\circ} 31' 13''$  N. and Long.  $111^{\circ} 20' 41''$  W., taken from the special instructions of the Surveyor General.

Astron. l.m.t., obsn., June 9, 1914, 33h. 30.0m.

Astron. l.m.t., U.C. Pol, June 9, 1914, 20h. 15.5m.

Hour angle of Polaris at obsn. 13h. 14.5m.

23h. 56.1m.

Time argument, 10h. 41.6m.

Azimuth of Polaris E. of Mer. =  $00^{\circ} 27' 18''$ .

At 9h. 45m., p.m., l.m.t., on the same date I again observe Polaris at cor. No. 1 of the list survey, with telescope reversed, and mark the direction thus determined with a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t., obsn., June 9, 1914, 33h. 45.0m.

Astron. l.m.t., U.C. Pol. June 9, 1914, 20h. 15.5m.

Hour angle of Polaris at obsn. 13h. 29.5m.

23h. 56.1m.

Time argument, 10h. 26.6m.

Azimuth of Polaris E. of Mer. =  $00^{\circ} 32' 20''$ .

June 10, 1914.

June 11, 1914.

I set off the Azimuth of Polaris  $00^{\circ} 27' 18''$  to the W. from her direction at 9h. 30m., p.m., l.m.t., June

## COCONINO NATIONAL FOREST

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Chains 10, 1914, and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

I also set off the Azimuth of Polaris  $00^{\circ} 32' 20''$  to the W. from her direction at 9h. 45m., p.m., l.m.t., June 10, 1914; and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

This line falls  $00^{\circ} 00' 04''$  of measured arc. to the West of the first line. I mark the mean of these two lines with a tack in a stake set 5.00 chs. N. of my station and to the corresponding meridian all the courses of this survey are referred.

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June 11, 1914.

At 8h. 00m., a.m., l.m.t., I set off  $23^{\circ} 04-1/2'$  N. on the decl. arc and  $34^{\circ} 31'$  on the lat. arc. and determine a meridian with the solar at the  $1/4$  sec. cor. to secs. 7 and 12, T. 13 N., Rs. 9 and 10 E., heretofore described, and my line of sight falls  $00^{\circ} 00' 16''$  of measured arc to the E. of the meridian as established by me as hereinbefore described. Therefore, I conclude that my instrument is in satisfactory adjustment.

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At 8h. 10m., a.m., l.m.t., of the same day, I set off  $23^{\circ} 04-1/2'$  N. on the decl. arc and  $34^{\circ} 31-1/2'$  on the lat. arc and determine a meridian with the solar at cor. to secs. 1, 6, 7 and 12, T. 13 N., Rs. 9 and 10 E., Gila and Salt River Base and Meridian, which is a post 4 ins. sq. and 2 ft. above ground, and a mound of stone, marked and witnessed as described by

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Chains	the Surveyor General.
40.10	<p>Thence South.</p> <p>Between secs. 7 and 12, T. 13 N., Rs. 9 and 10 E.</p> <p>I fall 6 lks. W. of the 1/4 cor. to secs. 7 and 12, heretofore described. Return course N. 00° 05' W.</p>
40.21	<p>Thence South.</p> <p>Between Secs. 7 and 12, T. 13 N., Rs. 9 and 10 E., from the 1/4 sec. cor.</p> <p>I fall 15 lks. W. of the cor. to secs. 7, 12, 13 and 18, T. 13 N., Rs. 9 and 10 E., which is a post 4 ins. sq. and 2 ft. above ground, marked and witnessed as described by the Surveyor General.</p> <p>Return course N. 00° 13' W.</p>
	<p>Cor. No. 1.</p> <p>And a closing corner on line between secs. 7 and 12, T. 13 N., Rs. 9 and 10 E. At this point I set a limestone 28 x 16 x 6 ins., 18 ins. in the ground, over a marked stone, marked (+) at the point, 1-HES174 on the W. and CC. on the NNE. by N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NNE. by N. of cor., from which:</p> <p>A pine 16 ins. dia., scribed 1 H E S 174 + B T bears N. 64° 20' E., 99 lks. dist.</p> <p>A pine 5 ins. dia., scribed 1 H E S 174 + B T, bears S. 5° E., 38 lks. dist.</p> <p>1/4 cor. to secs. 7 and 12, T. 13 N., Rs. 9 and 10 E., heretofore described, bears N. 00° 13' W., 10.38 chs. dist.</p> <p>Cor. to secs. 7, 12, 13 and 18, T. 13 N., Rs. 9</p>

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Chains and 10 E., heretofore described, bears S. 00°  
13' E., 29.83 chs. dist.

Latitude of cor. No. 1, 34° 31' 06", N. and Long. 111°  
20' 41" W., computed from data given in the special  
instructions of the Surveyor General.

I observe the magnetic declination at cor. No. 1 to be  
14° 55' E. at 8h. 55m., a.m., l.m.t., which reduced  
gives a mean magnetic declination of 14° 52' E.

Thence S. 10° 35' W.

Over meadow land along edge of timber.

11.59 Wire fence, bears E. and W.

11.60 To cor. No. 2.

Identical with cor. No. 11 of the list survey which  
is a limestone 15 x 6 x 12 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 limestone 24 x 14 x 7 ins., 14 ins. in the  
ground, over a marked stone, marked (+) at the point  
and 2-HES174 on the N. face, and dig pits 24 x 24 x  
12 ins. crosswise on this and the succeeding course  
8 ft. dist. and raise a mound of earth 4 ft. base,  
2 ft. high, 3-1/2 ft. N. of cor., from which:

A pine 20 ins. dia., scribed 2 H E S 174 + B T,  
bears N. 29° 30' E., 178 lks. dist.

A pine 18 ins. dia., scribed 2 H E S 174 + B T,  
bears S. 69° 30' W., 235 lks. dist.

Thence N. 17° 55' W.

Over grass covered bottom land in open.

0.01 Wire fence, bears E. and W.

9.83 To cor. No. 3.

Identical with cor. No. 12 of the list survey which

Chains

is a post 4 ins. sq. and 24 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 limestone 26 x 10 x 9 ins.; 16 ins. in the ground, over a marked stone, marked (+) at the point and 3-HES174 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor., from which:

A pine 26 ins. dia., scribed 3 H E S 174 + B T, bears S. 03° 30' E., 194 lks. dist.

A pine 22 ins. dia., scribed 3 H E S 174 + B T, bears N. 64° W., 84 lks. dist.

Thence N. 08° 50' E.

Over grass covered bottom in scattering timber.

32.97 To cor. No. 4, and a closing cor. on line between secs. 7 and 12, T. 13 N., Rs. 9 and 10 E.

At this point I set a limestone 26 x 14 x 6 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point, 4-HES174 on the E. face and CC. on the SSW. by S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SSW. by S. of cor., from which:

A pine 18 ins. dia., scribed 4 H E S 174 + B T, bears S. 47° 15' W., 20 lks. dist.

A pine 22 ins. dia., scribed 4 H E S 174 + B T, bears S. 57° 22' E., 21 lks. dist.

1/4 sec. cor. to secs. 7 and 12, T. 13 N., Rs. 9 and 10 E., heretofore described, bears S. 00° 05' E., 20.14 chs. dist.

Cor. to secs. 1, 6, 7 and 12, T. 13 N., Rs. 9 and 10 E., heretofore described, bears N. 00°



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Chains	<p>05' W., 19.96 chs. dist.</p> <hr/> <p>Thence N. 08° 50' E.</p> <p>Over grass covered bottom in scattering timber.</p> <p>13.50 Wire fence, bears NNE. and SSW.</p> <p>14.37 To cor. No. 5.</p> <p>Identical with cor. No. 1 of the list survey which is a post 4 ins. sq. and 2 ft. 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 limestone 26 x 14 x 14 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point and 5-HES174 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:</p> <p>A pine 20 ins. dia., scribed 5 H E S 174 + B T, bears N. 63° E., 83 lks. dist.</p> <p>A pine 16 ins. dia., scribed 5 H E S 174 + B T, bears N. 65° 20' W., 113 lks. dist.</p> <hr/> <p>Thence N. 37° 55' E.</p> <p>Over grass covered bottom in edge of timber.</p> <p>0.72 Wire fence, bears NNE. and SSW.</p> <p>12.00 Wire fence, bears NE. and SW.</p> <p>13.20 Flagstaff - Tonto Basin road, bears NE. and SW.</p> <p>14.05 To cor. No. 6.</p> <p>Identical with cor. No. 2 of the list survey which is an imbedded limestone 28 x 15 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point mark a + and 6-HES174 on the SE. face of the same stone; and raise a mound of</p>
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Chains	<p>stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:</p> <p>A pine 26 ins. dia., scribed 6 H E S 174 + B T, bears S. 60° 20' W., 45 lks. dist.</p> <p>A pine 20 ins. dia., scribed 6 H E S 174 + B T, bears N. 16° 30' E., 89 lks. dist.</p> <hr/> <p>Thence N. 66° 13' E.</p> <p>Over grass covered bottom in scattering timber.</p> <p>7.50 Leave bottom, bears NW. and SE. and ascend SW. slope 15 ft. in timber.</p> <p>11.25 Spur, bears NW. and SE. Descend NE. slope 15 ft.</p> <p>15.00 Leave spur, bears N. and S. and continue over bottom through timber.</p> <p>19.97 Flagstaff - Tonto Basin road, bears NE. and SW.</p> <p>29.24 Wire fence, cor. from which fence bears SW., S. and NE.</p> <p>29.25 To cor. No. 7.</p> <p>Identical with cor. No. 3 of the list survey which is a post 4 ins. sq. and 24 ins. above ground marked and witnessed as described by the Forest Service.</p> <p>I destroy all trace of the list cor. and at this point I set a limestone 34 x 10 x 5 ins., 24 ins. in the ground, over a marked stone, marked (+) at the point and 7-HES174 on the SSW. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 8 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, SSW. of cor., from which:</p> <p>A pine 18 ins. dia., scribed 7 H E S 174 + B T, bears N. 82° 35' W., 188 lks. dist.</p> <p>A pine 30 ins. dia., scribed 7 H E S 174 + B T, bears N. 83° 05' E., 177 lks. dist.</p> <hr/> <p>Thence S. 00° 25' W.</p>
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Chains Over grass covered bottom in open along wire fence.

4.89 Wire fence cor., from which fence bears N. and SSW.

4.90 To cor. No. 8.

Identical with cor. No. 4 of the list survey which is a limestone 14 x 2 x 12 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 limestone 26 x 9 x 5 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point and 8-HES174 on the WNW. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. WNW. of cor., from which:

A pine 26 ins. dia., scribed 8 H E S 174 + B T, bears S. 68° 30' E., 122 lks. dist.

A pine 28 ins. dia., scribed 8 H E S 174 + B T, bears S. 09° 05' W., 105 lks. dist.

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Thence S. 43° 35' W.

Over bottom land through scattering timber.

11.50 End of earth embankment of reservoir 3 ft. high, which extends NW. 1.50 chs. dist.

13.00 End of earth embankment of reservoir 3 ft. high, which extends NW. 1.50 chs. dist. Approximate capacity 1/4 acre ft.

18.18 Wire fence, bears NW. and SE.

18.30 To cor. No. 9.

Identical with cor. No. 5 of the list survey, which is a post 6 ins. sq. and 24 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of the list cor. and at this

Chains point I set a limestone 26 x 9 x 8 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point and 9-HES174 on the N. face, and dig pits, 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor., from which:

A pine 14 ins. dia., scribed 9 H E S 174 + B T, bears S. 16° 05' E., 135 lks. dist.

A pine 12 ins. dia., scribed 9 H E S 174 + B T, bears N. 70° 15' E., 96 lks. dist.

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Thence N. 56° 00' W.

Over grass covered bottom in scattering timber.

4.00 Gate of circular corral, 75 ft. dia.; which lies NE. of line.

7.75 To cor. No. 10.

Identical with cor. No. 6 of the list survey, which is a post 6 ins. sq. and 24 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 limestone 26 x 10 x 9 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point and 10-HES174 on the N. face, and dig pits, on this and the succeeding course, 3-1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor., from which:

A pine 36 ins. dia., scribed 10 H E S 174 + B T, bears S. 34° 30' E., 38 lks. dist.

A pine 30 ins. dia., scribed 10 H E S 174 + B T, bears S. 56° 35' W., 185 lks. dist.

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Chains	Thence S. 67° 44' W.
	Over grass covered bottom through scattering timber.
8.41	To cor. No. 11.
	Identical with cor. No. 7 of the list survey, which
	is a limestone 12 x 2 x 9 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 limestone 26 x 9 x 8 ins., 16 ins. in
	the ground, over a marked stone, marked (+) at the
	point and 11-HES174 on the NW. face, and dig pits,
	24 x 24 x 12 ins. crosswise on this and the succeed-
	ing course 3-1/2 ft. dist.; and raise a mound of earth
	4 ft. base, 2 ft. high, NW. of cor., from which:
	A pine 24 ins. dia., scribed 11 H E S 174 + B T,
	Bears N. 83° 25' E., 112 lks. dist.
	A pine 20 ins. dia., scribed 11 H E S 174 + B T,
	bears S. 19° E., 104 lks. dist.
	Thence S. 28° 57' W.
	Over grass covered bottom through scattering timber.
7.73	Reservoir embankment of earth 4 ft. high, which bears
	W. 0.50 chs. and E. 0.20 chs. dist. Approximate
	capacity 1/10 acre ft.
13.61	To cor. No. 12.
	Identical with cor. No. 8 of the list survey which
	is a post 5 ins. sq. and 24 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 limestone 26 x 9 x 8 ins., 16 ins.
	in the ground, over a marked stone, marked (+) at
	the point and 12-HES174 on the W. face, and dig pits
	24 x 24 x 12 ins. crosswise on this and the succeed-

Chains

ing course, 3-1/2 ft. dist.; and raise a mound of  
earth 4 ft. base, 2 ft. high, W. of cor., from which:  
A pine 14 ins. dia., scribed 12 H E S 174 + B T,  
bears N. 82° 45' E., 73 lks. dist.  
A pine 28 ins. dia., scribed 12 H E S 174 + B T,  
bears N. 24° 45' E., 86 lks. dist.

Thence S. 10° 46' W.

Over grass covered bottom land in scattering timber.

9.79 To cor. No. 13.

Identical with cor. No. 9 of the list survey which  
is a limestone 10 x 4 x 8 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 limestone 24 x 12 x 5 ins., 14 ins.  
in the ground, over a marked stone, marked (+) at the  
point and 13-HES174 on the W. face, and dig pits,  
24 x 24 x 12 ins. crosswise on this and the succeed-  
ing course 3-1/2 ft. dist.; and raise a mound of  
earth 4 ft. base, 2 ft. high, W. of cor., from which:  
A pine 28 ins. dia., scribed 13 H E S 174 + B T,  
bears S. 43° 45' E., 55 lks. dist.  
A pine 5 ins. dia., scribed 13 H E S 174 + B T,  
bears S. 23° 45' W., 55 lks. dist.

Thence S. 04° 47' E.

Over grass covered bottom land along edge of timber.

11.38 To cor. No. 14.

Identical with cor. No. 10 of the list survey which  
is a post 8 x 4 x 24 ins. above ground marked and  
witnessed as described by the Forest Service. I  
destroy all trace of the list cor. and at this point

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Chains- I set a limestone 24 x 10 x 6 ins., 14 ins. in the ground, over a marked stone, marked (+) at the point and 14-HES174 on the W. face, and dig pits, 24 x 24 x 12 ins. crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor., from which:

A pine; 26 ins. dia., scribed 14 H E S 174 + B T, bears N. 49° E., 33 lks. dist.

A pine 18 ins. dia., scribed 14 H E S 174 + B T, bears S. 39° 10' E., 81 lks. dist.

Thence S. 10° 35' W.

Over grass covered bottom along edge of timber.

17.96 To cor. No. 1, the place of beginning.

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

AREA.

Area in Sec. 12, T. 13 N., R. 9 E.; ---- 10.57 acres  
 Area in Secs. 6 & 7, T. 13 N., R. 10 E.- 36.10 acres  
 Total area - - - - - 46.67 acres

IMPROVEMENTS.

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

A one story log cabin, 18 x 16 ft., the long side of which bears NE. and SW. and the SE. cor. of which bears N. 13° 30' E., 55 lks. dist. from cor. No. 9.

Value ----- \$150.00

A well, 4 x 4 x 20 ft. deep, the center of which bears N. 04° 45' E., 5.80 chs. dist. from cor. No. 9.

Value ----- \$ 50.00

Chains A small reservoir on line 8-9 of this survey, here-  
heretofore described.

Value ----- \$100.00

A small reservoir on line 11-12 of this survey,  
heretofore described.

Value ----- \$ 50.00

Approximately 2 miles of wire fence.

Value ----- \$200.00

DESCRIPTION.

This claim is situated on the North slope of the Mogollon mesa at an elevation of approximately 7,300 ft. The land is level sloping gently to the Northward. There is a heavy stand of timber in this region and a fringe is included within this survey. The soil is a black loam and very fertile, crops being raised without irrigation. There seems to be an abundance of sub-surface water at a depth from 12 to 30 ft. for domestic purposes. There appears to be no mineral upon this claims

CONFLICTS AND ADJOINING CLAIMS.

There are no claims immediately adjoining this claim. Pine postoffice is 17 miles by trail and 25 miles by wagon road in a Southwesterly direction. Flagstaff, on the Santa Fe railroad, is 71 miles by road in a Northerly direction.



COCONINO NATIONAL FOREST

STATE OF ARIZONA.

Chains

TRAVERSE.

SEC. 12, T. 13 N., R. 9 E.

Cor.	Course	Dist.	N	S	E	W
1-2	S. 10° 35' W.	11.60		11.40		2.13
2-3	N. 17° 55' W.	9.83	9.35			3.02
3-4	N. 08° 50' E.	32.97	32.58		5.06	
4- $\frac{1}{4}$ Cor.	S. 00° 05' E.	20.14		20.14	0.03	
$\frac{1}{4}$ cor.-1	S. 00° 13' E.	10.38		10.38	0.04	
		84.92	41.93	41.92	5.13	5.15
			41.92			5.13
Error in Lat. and Dep.			.01			.02

Closing error 1:3798.

Secs. 6 & 7, T. 13 N., R. 10 E.

Cor.	Course	Dist.	N	S	E	W
4-5	N. 08° 50' E.	14.37	14.20		2.21	
5-6	N. 37° 55' E.	14.05	11.08		8.63	
6-7	N. 66° 13' E.	29.25	11.80		26.77	
7-8	S. 00° 25' W.	4.90		4.90		0.04
8-9	S. 43° 35' W.	18.30		13.26		12.62
9-10	N. 56° 00' W.	7.75	4.33			6.43
10-11	S. 67° 44' W.	8.41		3.19		7.78
11-12	S. 28° 57' W.	13.61		11.91		6.59
12-13	S. 10° 46' W.	9.79		9.62		1.83
13-14	S. 04° 47' E.	11.38		11.34	0.95	
14-1	S. 10° 35' W.	17.96		17.65		3.30
1- $\frac{1}{4}$ cor.	N. 00° 13' W.	10.38	10.38			0.04
$\frac{1}{4}$ cor.-4	N. 00° 05' W.	20.14	20.14			0.03
		180.29	71.93	71.87	38.56	38.66
			71.87			38.56
Error in Lat. and Dep.			.06			.10

Closing error 1:1546.

*Walter J. Purley*  
Surveyor Forest Service.

NATIONAL FOREST

STATE OF

Chains

W	N	S	E	Dist.	Course	Cor.
31.8		15.45		11.60	S. 10° 35' W.	1-2
30.8			33.8	11.60	N. 14° 55' E.	2-2
	30.8		33.8	11.60	N. 08° 50' E.	3-2
	0.00	30.14		10.14	S. 00° 00' E.	4-1
	0.00	10.88		10.88	S. 00° 13' E.	5-1
31.8	31.8	11.60	11.60	11.60		
31.8			11.60	11.60		
30.8			33.8	11.60		
	30.8		33.8	11.60		
0.00		30.14		10.14		
18.88		13.88		13.88		
6.43			4.33	4.33		
7.78		3.19		8.41		
8.32		11.91		13.81		
1.33		8.32		8.78		
	0.93	11.61		11.38		
0.80		17.88		17.88		
0.00			10.38	10.38		
0.00			30.14	30.14		
30.88	30.88	11.60	11.60	11.60		
30.88			11.60	11.60		

Glasing error 1:1543.  
 Error in lat. and Dep.

Glasing error 1:1543.  
 Error in lat. and Dep.

Surveyor - Forest Service.

Chains

Detailed Computation.

Lat.  $34^{\circ} 31' 39''$  N. and Long.  $111^{\circ} 20' 41''$  W., at cor.  
secs. 1, 6, 7 and 12., from Surveyor General's special  
instructions.

Diff. in lat. for 1 mi.  $00'.870$ .

$$\frac{40.10}{80.00} \times 00'.870 = 00'.436 = 26''.$$

Lat.  $1/4$  sec. cor. bet. secs. 7 and 12 =  $34^{\circ} 31' 13''$ .

Polaris obsn. June 10, 1914, at 9h. 30m., p.m., l.m.t.

Greenwich m.t. U. C. Pol., June 10, 1914, 8h. 16.7m.

Siderial correction,	1.2m.
l.m.t., U. C. Pol., June 10, 1914,	<u>8h. 15.5m.</u>
Ast. l.m.t., U.C. Pol., June 9, 1914,	20h. 15.5m.
Ast. l.m.t. obsn., June 9, 1914,	<u>33h. 30.0m.</u>
	13h. 14.5m.
	<u>23h. 56.1m.</u>
Time argument,	10h. 41.6m.

Decl. Pol.,  $88^{\circ} 50' 43''.9$

$$\text{Time ratio} = \frac{2.1}{5.4}$$

$$\frac{2.1}{5.4} \times 1.9' = 0'.7 \quad 28' - 0'.7 = 27'.3 =$$

$00^{\circ} 27' 18''$  E., Azimuth of Pol. at obsn.

Polaris obsn. June 10, 1914, at 9h. 45m., p.m., l.m.t.

Ast. l.m.t., U.C. Pol., June 9, 1914, 20h. 15.5m.

Ast. l.m.t., obsn., June 9, 1914,	33h. 45.0m.
	<u>13h. 29.5m.</u>
	23h. 56.1m.

Time argument, 10h. 26.6m.

Decl. Pol.,  $88^{\circ} 50' 43''.9$

$$\text{Time ratio} = \frac{3.7}{5.6}$$

$$\frac{3.7}{5.6} \times 1.9' = 1.26' \quad 33.6' - 1.26' = 32.34' =$$

$00^{\circ} 32' 20''$  E., Azimuth of Pol. at obsn.

T.H.

NATIONAL FOREST

STATE OF

Chains	Detailed Computation.	Chains
	<p>lat. 31' 32" N. and long. 111° 30' 11" W. of cor.            sec. 1, 2, 3, 4, 5, 6, 7 and 8. from survey for General's special            instructions.            Diff. in lat. for 1 mi. 30'. 870.  <math>40.19 \times 30' = 12057.0 = 12057.0 = 12057.0</math>            lat. 1/4 sec. cor. sec. 7 and 8 = 328 31' 13"</p>	
	<p>Polaris obs. June 10, 1914, at 9h. 30m. p.m., 1.1 m. l.            Greenwich m.t. U. C. Pol. June 10, 1914, 8h. 16.7m.            Spherical correction;            Jan. 10, 1914, 1.1 m. l. U. C. Pol. June 10, 1914,            Apr. 1.1 m. l. U. C. Pol. June 9, 1914, 8h. 16.7m.            Ant. Lat. obs. June 9, 1914, 8h. 16.7m.            131. 16.7m.            37. 16.7m.            101. 16.7m.            Time argument,</p> <p>Decl. Pol., 88° 50' 43".  <math>\frac{2.1}{2.4} \times 1.9' = 0.7' = 0.7' = 27.3'</math>  <math>00^{\circ} 27' 10''</math> Altitude of Pol. at obs.</p>	
	<p>Polaris obs. June 10, 1914, at 9h. 30m. p.m., 1.1 m. l.            Greenwich m.t. U. C. Pol. June 9, 1914, 8h. 16.7m.            Ant. Lat. obs. June 9, 1914, 8h. 16.7m.            131. 16.7m.            37. 16.7m.            101. 16.7m.            Time argument,</p> <p>Decl. Pol., 88° 50' 43".  <math>\frac{2.1}{2.4} \times 1.9' = 0.7' = 0.7' = 27.3'</math>  <math>00^{\circ} 22' 20''</math> Altitude of Pol. at obs.</p>	

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. 174, STATE OF ARIZONA - COCONINO. Henry Peach.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-1/4	N. 00° 13' W.	10.38	10.38	Sections	6 and 7.	0.04	0.07	0.73	
1/4-4	N. 00° 05' W.	20.14	20.14			0.03	0.02	0.40	
4-5	N. 08° 50' E.	14.37	14.20		2.21		2.22	31.50	
5-6	N. 37° 55' E.	14.05	11.08		8.63		13.08	144.80	
6-7	N. 66° 13' E.	29.25	11.80		26.77		48.51	571.93	
7-8	S. 00° 25' W.	4.90	4.90			0.04	75.26	368.77	
8-9	S. 43° 35' W.	18.30	13.26			12.62	62.61	830.83	
9-10	N. 56° 00' W.	7.75	4.35			6.43	43.57	188.66	
10-11	S. 67° 44' W.	8.41	3.19			7.78	29.36	93.66	
11-12	S. 28° 57' W.	13.61	11.91			6.59	15.00	178.65	
12-13	S. 10° 46' W.	9.79	9.62			1.83	6.59	63.40	
13-14	S. 04° 47' E.	11.38	11.34		0.95		5.72	64.86	
14-1	S. 10° 35' W.	17.96	17.65			3.30	3.39	59.87	
		180.29	71.93	71.87	38.56	38.66	938.02	1660.04	
			71.89	71.89	38.61	38.61		938.02	
	Closing error	1:1546						722.02	
							Area	36.10	

T.F.



- 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.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 174, STATE OF ARIZONA -- COCONINO. Henry Peach.

8-2549

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Section 12.									
1 - 2	S. 10° 35' W.	11.60		11.40		2.13	8.17		93.14
2 - 3	N. 17° 55' W.	9.83	9.35		3.02		3.02	28.24	
3 - 4	N. 08° 50' E.	32.97	32.58		5.06		5.07	165.13	
4 - 1/4	S. 00° 05' E.	20.14		20.14	0.03		10.18		205.03
1/4 - 1	S. 00° 13' E.	10.38		10.38	0.04		10.26		106.50
		84.92	41.93	41.92	5.13	5.15		193.37	404.67
			41.92	41.92	5.15	5.15			193.37
								Area -	211.30
									10.57
	Closing error 1:3798.								






APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona, April 12, 1916 .

The foregoing field notes of Homestead Entry Survey No.

174

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executed by Walter G. Turley, Surveyor-Forest Service  
under his special instructions, dated March 23, 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.

  
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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.

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Frank P. Trott  
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U. S. Surveyor General.