

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

APR 3-1917  
JUN 5-1917

334

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 334

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 15, unsurveyed, Township 8 N., Range 7 E.

In Section 16, unsurveyed, Township 8 N., Range 7 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing H. V. Rosenberger, ✓  
 Residence Phoenix, Arizona  
 Application No. 413 ✓, dated June 16, 1913 ✓  
 List No. 3-3180 ✓, dated May 28, 1914

Applicant for survey H. V. Rosenberger,  
 Residence Phoenix, Arizona  
 H. E. No. 025718 ✓, dated January 5, 1915 ✓  
 Office  
 Land District Phoenix, Arizona

Survey executed by Walter G. Turley, Surveyor - Forest Service  
[Forest Service Title.]  
 Under special instructions dated March 18, 1915 ✓  
 Survey commenced December 10, 1915  
 Survey completed December 11, 1915  
 Under Acts of June 11, 1906 and March 4, 1915 ✓

OATH OF ASSISTANTS

We hereby certify that we assisted **Walter G. Turley,**  
**Surveyor - Forest Service** in surveying all those  
[Forest Service Title.]  
parts or portions of Homestead Entry Survey No. **334**, in the 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 estab-  
lished, according to the instructions furnished 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.

*Walter G. Turley*, Chainman  
*Dean S. Curry*, Chainman  
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Subscribed and sworn to before me this *eleventh* day of  
*December*, 19*15* *Walter G. Turley*  
*Surveyor Forest Service*

OATH OF SURVEYOR

I, **Walter G. Turley,** **Surveyor - Forest Service**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**March 18**, 19**15**, 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

List Patent, No. **3-3180**, dated **May 28**, 19**14**, for  
the same to be known as Homestead Entry Survey No. **334**,  
situated within the **TONTO** National Forest, in  
unsurveyed Section **15**, Township **8 N.**, Range **7 E.**, and  
unsurveyed Section **16**, Township **8 N.**, Range **7 E.**,

of the **G. and S. R. B. and** 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*  
[Forest Service Title.]

Subscribed and sworn to before me this *eight* day of  
*April*, 19*16*.

*Elsie C. Meyer*  
*Notary Public*



## TONTONATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing, H. V. Rosenberger; Application No. 413, dated June 16, 1913; List No. 3-3180, dated May 28, 1914; Homestead Entry No. 025718, made in the Phoenix Land Office on January 5, 1915 by H. V. Rosenberger, whose post office address is Phoenix, Arizona.

Surveyed under Acts of June 11, 1906 and March 4, 1915, and special instructions from the Surveyor General for Arizona, dated March 18, 1915 and designated as Homestead Entry Survey No. 334.

Situated in what will probably be, when surveyed, secs. 15 and 16, T. 8 N., R. 7 E., G. and S. R. B. and M. within the Tonto National Forest, Arizona.

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Survey commenced December 10, 1915 and executed with a W. and L. E. Gurley light mountain transit No. 12953, provided with prism eye piece, 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.

All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape graduated to links and tenths. The slope angles were determined with a clinometer, the vernier of which reads to degrees.

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December 10, 1915.

I set up my transit over cor. H-1 of List 3-3180, which is a red granite boulder 8 x 8 x 4 ins. above ground,

marked and witnessed as described by the Forest Service;  
Chains

and with telescope direct I observe Polaris in accordance with instructions at 5h. 30m. 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, in Lat.  $34^{\circ} 02' 18''$  N. by obsn. hereinafter described and Long.  $111^{\circ} 37' 54''$  W., from special instructions of the Surveyor General.

Astron. l.m.t. obsn., Dec. 9, 1915,	29h. 30.0m.
Astron. l.m.t. U.C.Pol., Dec. 9, 1915,	<u>8h. 19.0m.</u>
Hour angle Pol. at obsn.	21h. 11.0m.
	<u>23h. 56.1m.</u>
Time argument,	2h. 45.1m.
Azimuth Pol. at obsn.	N. $0^{\circ} 55' 18''$ E.

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With my transit set up over cor. H-1 of List No. 3-3180 heretofore described and the telescope reversed in altitude and azimuth at 5h. 45m. 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. Dec. 9, 1915,	29h. 45m.
Astron. l.m.t. U.C.Pol., Dec. 9, 1915,	<u>8h. 19.0m.</u>
Hour angle Pol. at obsn.	21h. 26.0m.
	<u>23h. 56.1m.</u>
Time argument,	2h. 30.1m.
Azimuth Pol. at obsn.	N. $0^{\circ} 50' 42''$ E.

December 10, 1915.

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December 11, 1915.

I turn off  $0^{\circ} 55'$  the azimuth of Polaris to the W. from its direction at 5h. 30m. p.m. l.m.t., December 10, 1915 and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N.

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Chains of my station. I also turn off  $0^{\circ} 50\frac{1}{2}'$  the azimuth of Polaris to the W. from its direction at 5h. 45m. 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  $0^{\circ} 00' 34''$  of measured arc to the E. 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.

December 11, 1915.

At 12h. 03m. p.m. l.m.t. I observe the sun upon the meridian with the transit telescope for latitude at cor. No. 1 of this survey.

Telescope direct, observed alt.  $33^{\circ} 16' 45''$

Telescope reversed, observed alt.  $32^{\circ} 44' 45''$

Observed alt. sun's center  $33^{\circ} 00' 45''$

Refraction  $0^{\circ} 01' 21''$  ✓

$32^{\circ} 59' 24''$

Parallax  $0^{\circ} 00' 07''$

$32^{\circ} 59' 31''$

Declination  $22^{\circ} 58' 11''$  ✓

$55^{\circ} 57' 42''$

$90^{\circ} 00' 00''$

Resultant latitude  $34^{\circ} 02' 18''$  ✓

Long.  $111^{\circ} 37' 54''$  at cor. No. 1 of H. E. S. 334

obtained by account from the special instructions of the Surveyor General.

My watch is set for standard 105th meridian time from which I subtract 26m. 31s. for l.m.t.

Observed magnetic declination cor. 1 December 11, 1915

Chains 10h. 00m. a.m. l.m.t.  $14^{\circ} 16'$  E. which reduced gives  
 a mean magnetic declination of  $14^{\circ} 14'$  E.

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There is no corner of the public land survey or U.S.L.M.  
 within two miles of this claim; therefore I establish  
 U.S.L.M. No. 334 H.E.S. in accordance with instructions  
 and tie this survey thereto. Upon Black Mountain which  
 is the highest and most prominent elevation in this  
 vicinity I chiseled cross at the point and U.S.L.M. No  
 334 H.E.S. on the NE. face of an imbedded basalt stone  
 36 x 32 x 15 ins. above ground; and raise a mound of  
 stone 6 ft. base, 4 ft. high, SW. of cor. from which  
 An imbedded basalt stone 30 x 28 x 16 ins. above  
 ground chiseled cross U.S.L.M. No. 334 H.E.S. B R  
 bears  $N. 83^{\circ} 30'$  E., 24 lks. At  
 Turret Peak bears  $N. 40^{\circ} 16'$  W. approximately  $19\frac{1}{2}$   
 miles.  
 Pine Mt. bears  $N. 24^{\circ} 50'$  W. approximately 20  
 miles.  
 Table Mt. bears  $S. 82^{\circ} 55'$  E. approximately  $3\frac{1}{2}$   
 miles.  
 Saddle Mt. bears  $S. 53^{\circ} 12'$  E. approximately  $8\frac{1}{2}$   
 miles.  
 Mt. Buford (Kentuck Mt.) bears  $S. 38^{\circ} 23'$  W.  
 approximately 11 miles.  
 N. Pt. E. Cedar Mt. bears  $N. 62^{\circ} 08'$  W. approxi-  
 mately  $8\frac{1}{2}$  miles.  
 Cor. No. 1 H. E. S. 334 bears  $N. 6^{\circ} 46'$  E., 41.54  
 chs.  
 No other witnesses available.

Thence  $N. 6^{\circ} 46'$  E.

On a true line from U. S. L. M. No. 334.

41.54 To cor. No. 1.

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STATE OF ARIZONA

Chains

Identical with cor. H-1 of List 3-3180 heretofore described. I destroy cor. H-1 and its witnesses and for cor. No. 1 of this survey I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground over which I set a quartzite stone 24 x 12 x 10 ins. 14 ins. in the ground chiseled cross at the point and 1 - H E S 334 on the NE. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, NE. of cor. from which.

An 18 in. ash blazed and scribed 1 H E S 334 + B T

A 10 in. ash blazed and scribed 1 H E S 334 + B T

bears N. 13° 36' W., 208 lks.

Thence N. 11° 39' E.

Ascend S. slope 5 ft. in open.

- 0.15 Ranch road bears E. and W.
- 0.75 Point of ridge bears NE. and SW. Desc. NW. slope 10 ft.
- 1.89 Left bank arroyo 5 ft. high, 20 lks. wide, course WSW.
- 2.18 Right bank arroyo 5 ft. high, course WSW. Continue over bottom.
- 5.30 Left bank arroyo 3 ft. high, 5 lks. wide, course SW.
- 5.44 Right bank arroyo 3 ft. high, course SW. Ascend SE. slope 15 ft. in undergrowth.
- 6.90 To cor. No. 2.

Identical with cor. H-4 of List 3-3180 which is a red granite stone 12 x 10 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. 2 of this survey I chisel cross on a stone 4 x 4 x 2 ins. and deposit it 15 ins. in the ground over which I set a limestone 25 x 10 x 9 ins. 15 ins. in the ground chiseled cross at the point and 2 - H E S 334 on the SE. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, SE. of cor. from which

Chains A 6 in. palo verde blazed and scribed 2 H E S 334  
 B T bears N. 83° 12' W., 125 lks. dist.  
 No other witnesses available, pits impracticable.

Thence S. 78° 45' E. Desc. SE. slope 10 ft. in undergrowth.  
 2.70 Right bank arroyo 3 ft. high, 8 lks. wide, course SW.  
 2.82 Left bank arroyo 3 ft. high, course SW. Asc. W. slope  
 30 ft. in undergrowth.  
 7.00 Leave W. slope bears NE. and SW. and continue ascending  
 S. slope.  
 20.50 Leave S. slope, bears NW. and SE. and continue ascending  
 N. slope.

26.02 To cor. No. 3.  
 Identical with cor. H-3 of List 3-3180 which is a basalt  
 stone 12 x 10 x 5 ins. above ground marked and witnessed  
 as described by the Forest Service. I destroy cor.  
 H-3 and its witnesses and for cor. No. 3 of this survey  
 I chisel cross on a stone 4 x 3 x 3 ins. and deposit it  
 14 ins. in the ground over which I set a basalt stone  
 24 x 12 x 6 ins. 14 ins. in the ground chiseled cross  
 at the point, and 3. - H E S 334 on the SW. face and  
 raise a mound of stone 2 ft. base, 1 1/2 ft. high, SW. of  
 cor. Pits impracticable; no witnesses available ex-  
 cept the improvements.

Thence S. 11° 15' W. Asc. N. slope 5 ft. in undergrowth.  
 1.05 Ridge bears NW. and SE. Desc. SW. slope 15 ft. in under-  
 growth.  
 5.27 Arroyo 30 lks. wide, banks 5 ft. high, course N. of W.  
 Asc. - NE. slope 15 ft. in undergrowth.  
 6.97 To cor. No. 4.  
 Identical with cor. H-2 of List 3-3180 which is a  
 quartzite stone 10 x 8 x 4 ins. above ground, marked



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and witnessed as described by the Forest Service. I  
destroy cor. H-2 and its witnesses and for cor. No. 4  
of this survey I chisel cross on a stone 4 x 4 x 3 ins.  
and deposit it 16 ins. in the ground over which I set  
a basalt stone .26 x .10 x .5 ins. 16 ins. in the ground  
chiseled cross at the point and 4 - H E S 334 on the  
NW. face and raise a mound of stone 2 ft. base, 1 1/2 ft.  
high, NW. of cor. from which

A 10 in. mesquite blazed and scribed 4 H E S 334  
+ B T bears N. 17° 51' E., 123 lks.

A 10 in. mesquite blazed and scribed 4 H E S 334  
+ B T bears N. 3° 32' E., 132 lks.

Thence N. 78° 35' W.

Asc. N. slope 5 ft. in undergrowth.

6.00 Cross ridge bears NW. and SE. and desc. SW. slope 30  
ft. in undergrowth.

26.05 To cor. No. 1 the place of beginning.

Area.

Total area..... 18.06 acres.

Improvements.

A frame dwelling 24 x 20 ft. the long side extending N.  
and S. and the NE. cor. of which bears S. 74° 20' W.  
from cor. No. 3 of this survey, 9.70 chs. dist.

Estimated value..... \$700.00

A frame shed 16 x 16 ft. the long side extending N. and  
S. and the NE. cor. of which bears S. 72° 00' W.,  
10.60 chs. from cor. No. 3 of this survey.

Estimated value..... \$110.00

A frame shop 16 x 12 ft. the long side extending E. and  
W. and the NE. cor. of which bears S. 77° 30' W.,  
11.00 chs. from cor. No. 3 of this survey.

Chains. Estimated value.....\$ 50.00

A. frame hay shed 24 x 16 ft. the long side extending N. and S. and the NE. cor. of which bears S. 78° 00' W., 15.20 chs. from cor. No. 3 of this survey.

Estimated value.....\$100.00

Approximately 3½ acres of cultivated land.

Approximately ½ mile of wire fencing.

Estimated value.....\$ 75.00

Description.

This claim is situated on the west slope of the Mazatzal Mts. at an elevation of approximately 2700 ft. and is chiefly valuable for intensive farming and stock raising.

There is no timber in this section. The undergrowth is mesquite, palo verde, and catclaw.

Sufficient water for domestic purposes and irrigating all tillable soil is obtained from seeps in the arroyo or near the dwelling.

The soil in the bottom is a dark sandy loam and productive. Good crops of alfalfa, garden truck, and fruits have been raised. The slopes are conglomerate hardpan and cannot be cultivated.

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

The nearest point of the Verde River is approximately 4½ miles in a westerly direction.

Phoenix railway station and postoffice is 58 miles by wagon road in a southwesterly direction.

There are no conflicts or adjoining claims.

A frame shop 12 x 12 ft. the long side extending N. and the NE. cor. of which bears S. 77° 30' W. 11.00 chs. from cor. No. 3 of this survey.

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Chains

Traverse.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 11° 39' E.	6.90	6.76 ✓		1.39 ✓	
2-3	S. 78° 45' E.	26.02		5.08 ✓	25.52 ✓	
3-4	S. 11° 15' W.	6.97		6.84 ✓		1.36 ✓
4-1	N. 78° 35' W.	<u>26.05</u>	<u>5.16</u> ✓			<u>25.53</u> ✓
		65.94 ✓	11.92	11.92	26.91	26.89
				<u>11.92</u>	<u>26.89</u>	
	Error in lat. and dep.			.00	.02	

Closing error 1:3297 ✓

Survey completed December 11, 1915.

*Walter G. Turkey*  
Surveyor-Forest Service.

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HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

Cor.	Course	Dist.	Traverse	Chains
1-2	N. 11° 39' E.	6.90	6.90	1.23
2-3	S. 78° 45' E.	22.03	22.03	22.52
3-4	S. 11° 15' W.	6.97	6.84	1.38
4-1	N. 78° 35' W.	22.05	21.75	1.38
		55.94	55.94	55.91
		11.92	11.92	11.92
				22.89
				00.

Error in lat. and dep.

Closing error 1:3287

Survey completed December 11, 1915.

Surveyor-General



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 3 1917 , 191

The foregoing field notes of Homestead Entry Survey No.

334

executed by *Walter S. Turley, Surveyor* [Forest Service Title.]  
under his special instructions, dated *March 18*, 1915, having  
been critically examined, and the necessary corrections 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 the State of **ARIZONA**, has been  
correctly copied from the original notes on file in this office.

**FRANK P. TROTT**  
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U. S. Surveyor General.