

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAR 13-1915
MAR 26 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 152

SITUATED IN THE

..... TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 35, unsurveyed, Township 8 N., Range 11 E.

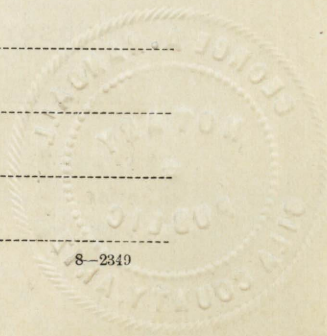
of the

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 May 12, 1914
Survey completed May 13, 1914
Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing Eugene C. Holder,
Residence Payson, Arizona.
Application No. 158, dated January 25, 1909
List No. 3-1317, dated June 3, 1911
Applicant for survey Eugene C. Holder,
Residence Payson, Arizona.
H. E. No. 016558, dated January 29, 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. 152, in
un surveyed Section 35, Township 8 N., Range 11 E.,
 -- surveyed Section -- -- --, Township -- -- --, Range -- -- --,

 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 inconvenient and expensive to appear before an officer to administer the oaths to Assistants; hence, they were taken by the Surveyor.

Charles D. Hodson, Chainman.
Charles S. Baecht, Chainman.

Subscribed and sworn to before me this 26th day of
May, 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 ~~upon the application of~~ embraced in List, No 3-1517, dated June 3, 1911, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 152, situated within the TONTO National Forest, in un surveyed Section 35, Township 8 N., Range 11 E., and -- surveyed Section -- -- --, Township -- -- --, Range -- -- --,

 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 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 second day of
June, 1914.

George A. Randall
 Notary Public



Commissioner of Mines
February 25/1914

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Eugene C. Holder. Application
No. 158, dated January 25, 1909; List No. 3-1317

dated June 3, 1911; H.E.No. 016558 made at Phoenix,
Arizona on January 29, 1912, by Eugene C. Holder.

Surveyed under Special instructions from the Surveyor

General for Arizona, dated November 29, 1913, and
designated as Homestead Entry Survey No. 152.

Situated in unsurveyed T. 8 N., R. 11 E., G.&S.R.B.

and M., in what will probably be, when surveyed, Sec.
35, within the Tonto National Forest, Arizona.

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

Survey commenced May 12, 1914, and executed with a W.

and L. E. Gurley light mountain transit, No. 12953

with vertical circle and Burt solar attachment.

I test the adjustments of the transit and make necessary
corrections.

The stadia is adjusted to read 1:132.

All measurements were made on the slope with a 400 link
steel tape and a Philadelphia stadia rod, and the
slope angles determined with a clinometer.

May 12, 1914.

At 8h. 20m., p.m., 1.m.t., I observe Polaris at Cor.
No. 1, identical with Cor. H-3 of the List Survey
which is a granite stone 8 x 4 x 12 ins. above ground,
marked and witnessed as described by the Forest Service,
and mark the line thus determined with a tack in a

stake set 6.00 chs. N. of my station.

Chains

Astron. l.m.t. obsn. May 11, 1914 32h. 20m.
 Astron. l.m.t., U.C. Pol. May 11, 1914 22h. 09.1m.
 Hour angle Pol. at obsn. 10h. 10.9m.

Azimuth Pol. at obsn. 0° 37' 18" W.

May 12, 1914

May 13, 1914

At 4h. 11m., a.m., l.m.t., I observe Polaris at Eastern elongation.

Azimuth of Pol. at E. elong. 1° 23' 27" E.

I turn off 1° 23½' to the West and mark the line upon the ground with a tack in a stake set 6.00 chs. N. of my station.

I also turn off 0° 37' to the East from my line of sight of last night's observation, which defines a line that differs 0° 00' 42" from the line established by this morning's observation. I mark the mean of these two lines by driving a tack in a stake set 6.00 chains North of my station and from the corresponding meridian all the courses of this survey were deflected.

Thence S. 19° 56' W. for a tie.

24.36 To the Cor. of Sections 2, 3, 34 and 35, Tps. 7 and 8 N., R. 11 E., which is a malpais stone 11 x 4 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 19° 56' E. on a true line.

24.36 To Cor. No. 1.

Identical with Cor. H-3 of the list survey, heretofore described. I destroy all trace of the list Cor. and at this point I set a quartzite stone 26 x 15 x

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

4 ins., 16 ins. in the ground, over a marked stone marked 1-HES152 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of Cor. from which:

A pinon 15 ins. dia. bears S. 4° 15' E. 159 lks. dist. marked 1 H E S 152 B T.

A juniper 7 ins. dia. bears N. 8° 15' E. 118 lks. dist. marked 1 H E S 152 B T.

Mag. Va. at 8:00 a.m., 14° 51' E. Mean Mag. Va. 14° 48' E.

Long. 111° 13' 24" W. as obtained from instructions from the Surveyor General. Lat: 35° 59' 31", by observation as hereinafter recorded.

Thence N. 12° 25' W.

Descend N. slope 15 ft. to Cor. in undergrowth.

6.10 Fence bears NW. and SE.

11.92 To Cor. No. 2.

Identical with Cor. H-2 of the List survey, which is a limestone 10 x 6 x 10 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 granite stone 25 x 12 x 4 ins. 15 ins. in the ground, over a marked stone, marked 2-HES152 on the E. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor. from which,

A juniper 24 ins. dia. bears S. 40° W. 57 lks. dist. marked 2 H E S 152 B T.

A juniper 18 ins. dia. bears N. 42° W. 55 lks. dist. marked 2 H E S 152 B T.

Thence N. 28° 25' E.

Descend N. slope 15 ft. to Cor. in undergrowth.

9.40 Trail to Tonto Creek bears E. and W.

10.12 Fence bears NE. and SW.

Chains

10.79 To Cor. No. 3.

Identical with Cor. H-1 of the List Survey, which is a limestone 6 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 quartzite stone 24 x 9 x 5 ins. 14 ins. in the ground, over a marked stone, marked 3-HES152 on the S. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor. from which:

A juniper 16 ins. dia. bears N. 49° 30' E. 168 lks. dist. marked 3 H E S 152 B T.

A juniper 12 ins. dia. bears S. 80° 30' W. 119 lks. dist. marked 3 H E S 152 B T.

A Forest Service monument which is a limestone 10 x 5 x 15 ins. above ground marked and witnessed as described by the Forest Service, bears N. 55° 20' W. 103 lks. dist.

Thence S. 79° 03' E.

Descend NE. slope 10 ft. to creek.

0.15 Fence bears NE. and SW.

2.70 Spring, 1 lk. wide, course NW.

3.65 Spring, 2 lks. wide, course NW.

4.05 Fence bears N. and S.

6.70 Spring branch, 3 lks. wide, course N.

7.15 Dry bed of Mankins Creek, 35 lks. wide, banks 4 ft. high, course NW. Ascend SE. slope 15 ft. to Cor.

9.87 Fence bears NE. and SW.

13.79 To Cor. No. 4.

Identical with Cor. H-4 of the List Survey, which is an imbedded quartzite boulder 12 x 4 x 3 ft. above ground marked and witnessed as described by the Forest Service. I destroy all trace of the list

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Cor. and mark a cross at the apex of the same stone and 4-HES152 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor. from which:

A juniper 6 ins. dia., bears S. 30° 25' E.,

102 lks. dist. marked 4 H E S 152 B T.

An oak 4 ins. dia., bears S. 73° 25' E.,

36 lks. dist. marked 4 H E S 152 B T.

Thence S. 40° 57' W.

Descend SW. slope 10 ft. to ravine.

3.30 Ravine course NW. Ascend 15 ft. to spur.

8.15 Spur bears NW. and SE. Descend 5 ft. to creek bed.

8.95 Right bank dry bed Mankins Creek, 50 lks. wide, banks 3 ft. high, course N. Ascend NE. slope 25 ft. to Cor.

22.00 Fence bears NW. and SE.

24.52 To Cor. No. 1, the place of beginning.

May 13, 1914.

At 11h. 56m. a.m., l.m.t., I observe the sun on the meridian for latitude at Cor. No. 1. Observed altitude of the sun's center 74° 20', resultant lat. is 33° 59' 31" N.

AREA

Area in Sec. 35.

18.83 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of this homestead, and belonging to the claimant, consist of the following:

A frame hay shed 32 x 16 ft., the long side of which bears E. and W. and the NW. cor. of which bears S.

Chains

28° 20' E., 1.26 chs. dist. from Cor. No. 3.

Value \$50.00

A frame dwelling 24 x 28 ft., the long side of which bears E. and W. and the NW. cor. of which bears S.

34° 45' E. 4.80 chs. dist. from Cor. No. 3.

Value \$200.00

A well 4 x 4 x 30 ft. deep, the center of which bears

S. 30° E., 5.05 chs. dist. from Cor. No. 3.

Value \$100.00

A jacal 10 x 15 ft., the long sides of which bears N.

and S., and the NW. cor. of which bears S. 52° 10' E.,

5.70 chs. dist. from cor. No. 3.

Value \$ 50.00

Approximately 1 mile of fencing.

Value \$100.00

DESCRIPTION

This claim is situated on Mankins Creek on the West slope of the mountains. There is oak, juniper, walnut, and pinon growing on these slopes.

There is no surface water but sufficient water for cattle is obtained from springs and wells.

The soil is a clay loam and very fertile.

This land appears to be non-mineral in character.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Payson postoffice is 19 miles in a northwesterly direction and is reached by 9 miles of trail and 28 miles of wagon road. Globe on the Arizona Eastern railroad is 45 miles in a southeasterly direction.

May 13, 1914.

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TONTO NATIONAL FOREST
STATE OF ARIZONA

Chains

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1	N. 12° 25' W.	11.92	11.64			2.56
2	N. 28° 25' E.	10.79	9.49		5.13	
3	S. 79° 03' E.	13.79		2.62	13.54	
4	S. 40° 57' W.	24.52		18.52		16.07
		<u>61.02</u>	<u>21.13</u>	<u>21.14</u>	<u>18.67</u>	<u>18.63</u>
				<u>21.13</u>	<u>18.63</u>	
Error in Lat. and Dep.				.01	.04	

Closing error 1:1480

Walter J. Finley
Surveyor - Forest Service

Chains

Chain

Cor.	Course	Dist.	N.	S.	E.	W.
1	N. 12° 25' W.	11.92	11.64			8.58
2	N. 28° 25' E.	10.79	9.49		8.13	
3	S. 79° 03' E.	13.79		8.53	13.54	
4	S. 40° 27' W.	24.52		18.52		18.07
<hr/>						
		31.02	31.13	31.13	18.87	18.53
			31.13	31.13	18.83	
			10.	10.		

Error in Dist. and Dep.

Closing error 1:1480

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. 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. 152, STATE OF ARIZONA, Eugene C. Holder - Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1	N. 12° 25' W.	11.92	11.64		2.56 ⁷	2.57	29.91		
2	N. 28° 25' E.	10.79	9.49	2.13 ²	5.13 ³	5.12	48.59		
3	S. 79° 03' E.	13.79	2.62	13.54	16.07 ⁸	23.77		62.28	
4	S. 40° 57' W.	24.52	18.52			21.22		392.78	
Closing error 1:1480		61.02	21.13 21.13	18.67 18.65	18.63 18.65	78.50		455.06 78.50 2) 376.56 18.83 A.	

T. R.

LABLING AND CALCULATIONS OF HOMESTEADS OF MINNESOTA - 1910

COUNTY	RANGE	DISTRICT	TOWNSHIP				SECTION	ACRES	TAXES	REMARKS
			1	2	3	4				
A	30	10	10	10	10	10	30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
B	30	10	10	10	10	10	30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
C	30	10	10	10	10	10	30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
D	30	10	10	10	10	10	30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00
							30.00	30.00	30.00	30.00

CLOSING ERROR 1:1480

86.334
02.97
83.364 (\$)
19.392
A

For the purpose of this report, the following definitions have been adopted: ...
The following definitions have been adopted: ...
The following definitions have been adopted: ...

APPROVAL

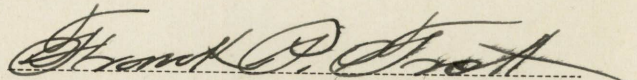
Office of the United States Surveyor General,

Phoenix, Arizona, May 29, 1916.

The foregoing field notes of Homestead Entry Survey No.

152

executed by Walter G. Turley, Surveyor-Forest Service
under his special instructions, dated November 29, 1913,
having been critically examined, and the necessary correc-
tions 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 Arizona,
has been correctly copied from the original notes on file in
this office.

Frank P. Trott
U. S. Surveyor General.