

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUN 5 - 1917

1913-1916

SEP 10 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 155

SITUATED IN THE

..... TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 1, unsurveyed, Township 6 N., Range 13 E.

Section 12, unsurveyed, Township 6 N., Range 13 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 September 24, 1914

Survey completed September 26, 1914

Under Acts of June 11, 1906 and June 30, 1914

Applicant for listing Wm. McFadden

Residence Roosevelt, Arizona

Application No. 6 dated October 17, 1906

Application No. 347 dated September 30, 1912

List No. 1416 dated April 14, 1908

List No. 3-2214, dated January 14, 1913

Applicant for survey Wm. McFadden

Residence Roosevelt, Arizona

H. E. No. 0401 dated August 5, 1908

H. E. No. 022331, dated May 26, 1913

Office

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. 155, in
unsurveyed Section 1, Township 6 N., Range 13 E.,
unsurveyed Section 12, Township 6 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 inconvenient and ex-
pensive to appear before an
officer to administer the
oaths to the Assistants;
hence, they were taken by
the Surveyor.

Charles D. Hodson Chairman
Charles K. Baecher Chairman

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 ~~upon the application of~~ embraced in List
Nos. 1416 and 3-2214, dated April 14, 1908 and January 14, 1913,
for PATENT, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 155,
situated within the TONTO National Forest, in
unsurveyed Section 1, Township 6 N., Range 13 E., and
unsurveyed Section 12, Township 6 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 14th day of
December, 1914.
My Commission expires July 1 1916.

Robert L. Hanson
Notary Public



TONTONATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Wm. McFadden; Application Nos. 6 and 347, dated October 17, 1906 and September 30, 1912; List Nos. 1416 and 3-2214, dated April 14, 1908, and January 14, 1913; Homestead Entry Nos. 0401 and 022331, made in the Phoenix Land Office on August 5, 1908, and May 26, 1913, by Wm. McFadden whose postoffice address is Roosevelt, 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. 155.

Situated in what will probably be when surveyed secs. 1 and 12, T. 6 N., R. 13 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced September 24, 1914, and executed with a W. & 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. The slope angles were determined with a clinometer. The strip of land excepted from List 3-2214 has been included in this survey. The exception will be listed as a basis for entry.

Chains

September 24, 1914.

I set up my transit over cor. H-2 of List 3-2214 which is a quartzite stone 8 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 8h. 16m. 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. $33^{\circ} 53' 19''$ N., and long. $110^{\circ} 58' 19''$ W.

Astron. l.m.t., obsn. Sept. 23, 1914. 32h. 16.0m.

Astron. l.m.t., U.C.Pol. Sept. 23, 1914. 13h. 20.4m.

Hour angle Pol. at obsn. 18h. 55.6m.

23h. 56.1m.

Time Argument 5h. 00.5m.

Azimuth Pol. at obsn. $1^{\circ} 20' 35''$ E.

With my transit set up over cor. H-2 of List 3-2214, heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 24m. 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. Sept. 23, 1914. 32h. 24.0m.

Astron. l.m.t., U.C.Pol. Sept. 23, 1914. 13h. 20.4m.

Hour angle Pol. at obsn. 19h. 03.6m.

23h. 56.1m.

Time Argument 4h. 52.5m.

Azimuth Pol. at obsn. $1^{\circ} 19' 54''$ E.

September 24, 1914.

September 25, 1914.

I turn off $1^{\circ} 20\frac{1}{2}'$, the azimuth of Polaris, to the W. from her direction at 8h. 16m. p.m., l.m.t., September 24, 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.

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STATE OF ARIZONA

Chains

I also turn off 1° 20' the azimuth of Polaris to the W. from her direction at 8h. 24m. 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' 26" of measured arc to the W. 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 33° 53' 53" N., and longitude 110° 58' 24" W. at 1/4 sec. cor. to secs. 1 and 36 Tps. 6 and 7 N., R. 13 E. taken from the special instructions of the Surveyor General which reduced gives latitude 33° 53' 19" N. and longitude 110° 58' 19" W. at cor. No. 1 of this survey.

My watch is set for standard 105th meridian time with which I compared it on September 24, 1914; I subtract 23m. 54s. therefrom for l.m.t.

I observe the magnetic declination at cor. No. 1 of this survey to be 15° 00' E. at 8h. 00m. a.m. September 25, 1914, which gives a mean magnetic declination of 14° 57' E.

Thence N. 6° 04' W. On a random. I fall 32 lks. to the right of the 1/4 sec. cor. to secs. 1 and 36 Tps. 6 and 7 N. R. 13 E., which is a quartzite stone 15 x 15 x 8 ins. above ground chiseled 1/4 on N. face and with a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. from which

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Chains of steel A 12 in. pine scribed 1/4 S 36 B T also I
 from the S. E. bears N. 82° 00' E. 100 lks.
 the stake A 48 in. juniper scribed 1/4 S 31 B T
 This station bears S. 47° 00' E. 78 lks.
 line falls 0° 00' 28" of measured arc to the W. of the

Thence S. 6° 25' E. line previously established

On a true line for a tie. I mark the mean of the
 To cor. No. 1. Stake set firmly in the ground 5.0
 Identical with cor. H-2 of List 3-2214 which is a
 quartzite stone 8 x 4 x 4 ins. above ground marked
 and witnessed as described by the Forest Service. I
 destroy cor. H-2 and its witnesses, and, for cor. No.

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 9 x 5 ins., 15 ins. in the ground;
 chiseled (+) at the point and 1-H E S 155 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. black oak, scribed 1 H E S 155 + B T
 bears N. 39° 30' E. 18 lks.
 A 5 in. walnut, scribed 1 H E S 155 + B T
 bears S. 88° 10' W. 40 lks.

I destroy the Forest Service Monument to which List No.
 1416 is tied which stands S. 38° 00' E. 3.04 chs. dist.
 from cor. No. 1. I also destroy all trace of cor.

H-1 of List 1416 which is a quartzite stone 16 x 14 x 5
 ins. above ground marked and witnessed as described by
 the Forest Service which bears S. 16° 03' W. 115 lks.

from cor. No. 1 of this survey.

I also destroy all trace of cor. H-4 of List 1416 which
 is a quartzite stone 8 x 8 x 8 ins. above ground, marked
 and witnessed as described by the Forest Service, which

W. of cor. from which

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Chains

is S. 74° 00' E. 10.00 chs. dist. from cor. H-1 of List 1416.

Thence N. 89° 00' E.

Desc. SE. slope 5 ft. in undergrowth.

0.40 McFadden Creek 30 lks. wide, banks 3 ft. high, course SW.

Asc. gradually over S. slope 10 ft.

1.17 Irrigating ditch 3 lks. wide, course S.

3.69 Fence bears N. and S.

4.01 Roosevelt-Young wagon road bears N. and S.

4.27 Forest Service telephone line bears N. and S. Leave bottom bears NW. and SE. and asc. W. slope in undergrowth 40 ft.

18.25 Spur bears NW. and SE. Continue along N. slope.

19.78 To cor. No. 2.

Identical with cor. H-1 of List 3-2214 which is a granite stone 10 x 4 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. 2 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a diabase stone 24 x 10 x 10 ins., 14 ins. in the ground; chiseled (+) at the point and 2-H E S 155 on the SW. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, SW. of cor. from which

A 12 in. pine scribed 2 H E S 155 + B T

bears S. 20° 50' W. 68 lks.

A 12 in. pine scribed 2 H E S 155 + B T

bears S. 2° 30' E. 76 lks.

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Chains - Thence S. 15° 53' W. 00.01 E '00 45' .2 at
 Asc. NW. slope 5 ft. in undergrowth.
 1.25 Ridge bears NW. and SE. Continue desc. along rolling
 NW. slope 50 ft. in undergrowth.
 79.60 To cor. No. 3.
 Identical with cor. H-6 of List 3-2214 which is a
 granite stone 16 x 14 x 5 ins. above ground marked
 and witnessed as described by the Forest Service. I
 destroy cor. H-6 and its witnesses, and for cor. No. 3
 of this survey, I chisel cross on a stone 3 x 3 x 2
 ins., and deposit it 16 ins. in the ground; over which
 I set a granite stone 26 x 9 x 8 ins. 16 ins. in the
 ground; chiseled (+) at the point and 3-H E S 155 on
 the NW. face and raise a mound of stone 2 ft. base,
 1½ ft. high, NW. of cor. from which
 A 12-in. juniper scribed 3 H E S 155 + B T
 bears S. 6° 00' W. 13 lks.
 A 7 in. pine scribed 3 H E S 155 + B T
 bears N. 78° 50' W. 88 lks.
 Thence S. 89° 36' W.
 Desc. W. slope 20 ft. in undergrowth.
 6.42 Forest Service telephone line bears N. and S.
 6.96 Roosevelt-Young road bears N. and S.
 10.35 Leave List 3-2214 and enter List 1416.
 19.96 To cor. No. 4.
 Identical with cor. H-2 of List 1416 which is a sand-
 stone 12 x 10 x 6 ins. above ground marked 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 (+) on a stone 4 x 4 x 2 ins. and
 deposit it 16 ins. in the ground; over which I set
 a porphyry stone 26 x 19 x 7 ins. 16 ins. in the
 ground chiseled (+) at the point and 4-H E S 155 on

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Chains the NE. face and raise a mound of stone 2 ft. base,
 00.37 1 1/2 ft. high NE. of cor. from which
 00.001... A 4 in. pine scribed 4 H E S 155 + B T
 bears N. 54° 10' E. 34 lks.
 .W'00 00 A 12 in. pine scribed 4 H E S 155 + B T
 .veysid this side bears N. 30° 06' E. 112 lks.
 00.000... Cor. H-3 of List 1416 which is a granite stone
 12 x 8 x 5 ins. above ground marked and wit-
 .W'30 00 nessed as described by the Forest Service,
 .veysid this side bears S. 74° 00' E. 10.00 chs. dist. from
 00.001... cor. No. 4. of this survey. I destroy all
 Dns .W gnibnetxe trace of this list cor.

Thence N. 16° 03' E.
 00.000 Desc. NW. slope 10 ft. in undergrowth.
 -8.50 Left bank McFadden Creek, banks 3 ft. high, course SW.
 00.10.00 Right bank McFadden Creek, banks 3 ft. high, course SW.
 .veysid Asc. 30 ft. along rolling SE. slope.
 78.31 To point of destroyed cor. H-1. Leave List 1416 and
 enter List 3-2214.
 79.46 To cor. No. 1 the place of beginning.

Area.	
Area listed,.....	147.77 Acres
Area unlisted,.....	3.63
Total Area,.....	151.40 acres.

Improvements.

The improvements made upon this homestead consist of the following:

An L shaped frame dwelling 72 ft. N. and S. and 36 ft. E. and W., the NE. cor. of which bears S. 74° 25' W. 18.55 chs. dist. from cor. No. 2. of this survey.
 Estimated value.....\$1000.00
 A frame well house 14 x 12 ft. with well 4 x 4 x 20 ft. deep, the long side extending E. and W. and the NE. cor. of which bears S. 72° 40' W. 19.00 chs. dist.

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Chains from cor. No. 2. of this survey.

Estimated value of house.....\$75.00

Estimated value of Wells.....\$100.00

A frame store house 34 x 14 ft. the long side extending N. and S. and the NE. cor. of which bears S. 69° 00' W. 18.55 chs. dist. from cor. No. 2 of this survey.

Estimated value.....\$350.00

A frame tool house 34 x 14 ft. the long side extending N. and S. and the NE. cor. of which bears S. 70° 06' W. 17.80 chs. dist. from cor. No. 2 of this survey.

Estimated value.....\$100.00

A frame barn 36 x 32 ft. the long side extending N. and S. and the NE. cor. of which bears S. 67° 00' W. 17.05 chs. dist. from cor. No. 2 of this survey.

Estimated value.....\$500.00

A frame chicken house 18 x 16 ft. the long side extending N. and S. and the NE. cor. of which bears S. 65° 30' W. 17.65 chs. dist. from cor. No. 2 of this survey.

Estimated value.....\$75.00

Approximately 2 miles of fencing.

Estimated value.....\$200.00

Approximately 15 acres of cultivated land.

Description:

This claim is situated on McFadden Creek at an elevation of approximately 5800 ft. and is best adapted for a cattle ranch. The drainage is southward into the Roosevelt Reservoir.

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

Sufficient water for all purposes is obtained from McFadden Creek which is perennial.

The soil is a sandy loam and produces the ordinary crops of the temperate zone with irrigation. Good crops of alfalfa, fruit, berries, corn and small grains have been produced.

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Chains

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

Roosevelt postoffice is 40 miles by wagon road in a southwesterly direction. Globe railway station is 50 miles by wagon road in a southeasterly direction.

There are no conflicts or adjoining claims. Reynolds Creek Ranger Station is located just south of this claim, cor. No. 4 of this survey being located on line 4-1 of said station.

Traverse.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 89° 00' E.	19.78	0.35		19.78	
2-3	S. 15° 53' W.	79.60		76.56		21.78
3-4	S. 89° 36' W.	19.96		0.14		19.96
4-1	N. 16° 03' E.	79.46	76.36		21.97	
		198.80	76.71	76.70	41.75	41.74
			76.70		41.74	
	Error in lat. and dep.		.01		.01	

Closing error 1:14057

Survey completed September 26, 1914.

Walter J. Purdy
Surveyor, Forest Service.

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HOMESTEAD ENTRY SURVEY NO. 1011

NATIONAL FOREST

STATE OF ARIZONA

This is not a mineralized section and no townships
mining, coal or oil claims are known to have been
located in this vicinity.
Roosevelt postoffice is 40 miles by wagon road in a
southwesterly direction. Globe railway station is
50 miles by wagon road in a southeasterly direction.
There are no conflicts or adjoining claims. Reynolds
Greek Ranger Station is located just south of this
claim, cor. No. 4 of this survey being located on
line 4-1 of said station.

Traverse.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 89° 00' E.	19.78	0.35		19.78	
2-3	S. 15° 33' W.	78.55		78.55		21.78
3-4	S. 89° 00' W.	19.98		0.14		19.98
4-1	N. 16° 03' E.	78.46	78.36		21.97	
		198.80	78.71	78.70	41.75	41.74
			78.70		41.74	
			78.70		41.74	
			78.70		41.74	

Error in lat. and dep.

Closing error 1:14087

Survey completed September 26, 1914.

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 the 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. 155, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 89° 00' E.	19.78	0.35		19.78		63.72	22.30	
2-3	S. 15° 53' W.	79.60		76.56	21.78	21.79	61.71		4725.13
3-4	S. 89° 36' W.	19.96		0.14	19.96		19.96		2.79
4-1	N. 16° 03' E.	79.46	76.36		21.97		21.97	1677.63	
		198.80	76.71	76.70	41.75	41.74		1699.93	4727.92
			76.71	76.71	41.75	41.75		1699.93	1699.93
								3027.99	3027.99
								151.40	151.40

Closing error 1:14057

APPROVAL

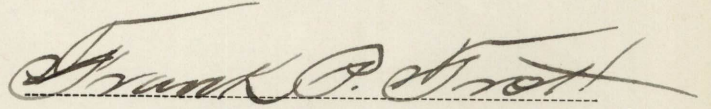
Office of the United States Surveyor General,

Phoenix, Arizona, June 18 , 1917

The foregoing field notes of Homestead Entry Survey No.

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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.