

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

6612-1015

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 161

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 14, unsurveyed, Township 9 N., Range 12 E.

Section 23, unsurveyed, Township 9 N., Range 12 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

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

Under special instructions dated January 17, 1914

Survey commenced September 6, 1914

Survey completed September 7, 1914

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

Applicants for listing P. G. Ellison and J. H. Fuller

Residence Young, Arizona.

Application No. 4, dated September 11, 1906

Application No. 189, dated October 2, 1909

List No. 142, dated June 1, 1907

List No. 3-1138, dated February 16, 1911

Applicant for survey W. R. Wilbanks,

Residence Young, Arizona.

H. E. No. 014845, dated July 3, 1911

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. 161, in
unsurveyed Section 14, Township 9 N., Range 12 E.,
unsurveyed Section 23, Township 9 N., Range 12 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 D. Baecht, Chainman.

Subscribed and sworn to before me this 10th day of
October, 19 14.

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
January 17, 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.
142 and 3-1138, dated June 1, 1907 and Feb. 16, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 161,
situated within the TONTO National Forest, in
unsurveyed Section 14, Township 9 N., Range 12 E., and
unsurveyed Section 23, Township 9 N., Range 12 E.,

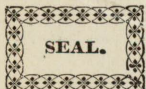
of the G. & S.R.B. & meridian, Arizona, and the
related retracements and resurveys and section subdivisions,
which are represented in the following field notes as having
been surveyed by me; and I further solemnly swear that all
the corners of said survey have been established and perpet-
uated in strict 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



TRINITY NATIONAL FOREST

STATE OF ARIZONA

Chains Applicants for listing P. G. Ellison and J. H. Fuller, Applications No. 4 and 189, dated September 11, 1906 and October 2, 1909; Lists No. 142 and 3-1138, dated June 1, 1907 and February 16, 1911; Homestead Entry No. 014845, made in the Phoenix Land Office on July 3, 1911 by W. R. Wilbanks, 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 January 17, 1914, and designated as Homestead Entry Survey No. 161.

Situated in what will probably be, when surveyed, secs. 14 and 23, T. 9 N., R. 12 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced September 6, 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

Chains with two targets, the verniers of which read to thousandths of a foot.

September 6, 1914.

I set up my transit over cor. H-1 of list No. 142, which is a granite boulder 9 x 8 x 7 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. 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° 06' 33" N. and Long. 111° 05' 06" W.

Astron. l.m.t., obsn., Sept. 5, 1914, 31h. 30.0m. ✓

Astron. l.m.t., U.C. Pol., Sept. 5, 1914, 14h. 30.9m. ✓

Hour angle Pol. at obsn. 16h. 59.1m. ✓

23h. 56.1m.

Time argument, 6h. 57.0m. ✓

Azimuth Pol. at obsn., 1° 20' 24" E. ✓

With my transit set up over cor. H-1 of list 142, heretofore described, and the telescope reversed in altitude and azimuth, at 7h. 42m. 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. 5, 1914, 31h. 42.0m. ✓

Astron. l.m.t., U.C. Pol., Sept. 5, 1914, 14h. 30.9m. ✓

Hour angle Pol. at obsn., 17h. 11.1m. ✓

23h. 56.1m.

Time argument, 6h. 45.0m. ✓

Azimuth of Pol. at obsn., 1° 21' 30" E. ✓

September 6, 1914.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains September 7, 1914.

I turn off $1^{\circ} 20-1/2'$, the azimuth of Polaris, to the W. from her direction at 7h. 30m. p.m., l.m.t., September 6, 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 $1^{\circ} 21-1/2'$, the azimuth of Polaris, to the West from her direction at 7h. 42m. p.m., l.m.t., September 6, 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. This line falls $0^{\circ} 00' 28''$ 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 $34^{\circ} 04' 21''$ N., and Longitude $111^{\circ} 03' 46''$ W. at the $1/4$ sec. cor. to secs. 19 and 24, T. 9 N., Rs. 12 and 13 E., G. and S. R. B. and M., taken from the special instructions of the Surveyor General, which gives latitude $34^{\circ} 06' 33''$ N., and longitude $111^{\circ} 05' 06''$ W. at cor. No. 1 of this survey. It was not practicable to check the latitude by direct observation.

At 10h. 00m. a.m., l.m.t., September 7, 1914, I observe the magnetic declination to be $15^{\circ} 10'$ E. at cor. No. 1, which gives a mean magnetic declination of $15^{\circ} 09'$ E.

TIE

From the witness corner to secs. 19 and 24, T. 9 N., R. 12 E., G. and S. R. B. and M., which is a sandstone

Chains 14 x 6 x 6 ins. above ground, chiseled W C 1/4 on W. face, from which:

An 18 in. oak, scribed W C 1/4 S 19 B T, bears S. 55° 00' E., 117 lks.

An 8 in. juniper, scribed W C 1/4 S 24 B T, bears N. 67° 00' W., 137 lks.

Thence N. 79° 54' W., On a random for a tie.

To cor. No. 1. Identical with cor. H-1 of list 142 and cor. No. 2 of list 3-2994, which is a granite boulder 9 x 8 x 7 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 of list 142 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 20 ins. in the ground, over which I set a schist stone 30 x 15 x 5 ins., 20 ins. in the ground, chiseled (+) at the point and 1 - H E S 161 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., from which:

A 12 in. willow, scribed 1 H E S 161 + B T, bears N. 52° 20' W., 56 lks.

A 19 in. oak, scribed 1 H E S 161 + B T, bears S. 58° 45' E., 128 lks.

W. C. to 1/4 sec. cor. of secs. 19 and 24, T. 9 N., Rs. 12 and 13 E., bears S. 79° 54' E., 103.83 chs., by direct measurement.

Thence S. 71° 10' W.

Between this list and list 3-2994, over bottom land in open.

4.25 Fence, bears N. and S.

7.94 Fence, bears NE. and SW.

PHOENIX NATIONAL FOREST

STATE OF ARIZONA

Chains

11.00 Right bank Spring Creek, 250 lks. wide, bank 5 ft. high, course N. Cross Spring Creek, in which a stream of water is flowing, and enter mouth of Bread Pan Creek.

15.50 Left bank Bread Pan Creek, bank 4 ft. high, course ENE.

16.03 To cor. No. 2. Identical with cor. H-4 of list 142, H-1 of list 3-1138 and cor. No. 1 of list 3-2994, which is a granite stone 8 x 8 x 4 x 9 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cors. H-4 and H-1 of Lists No. 142 and 3-1138, and their witnesses, and for cor. No. 2 of this survey, I chisel (+) on a stone 3 x 3 x 2 ins. and deposit it 15 ins. in the ground, over which I set a quartzite stone 25 x 10 x 5 ins., 15 ins. in the ground, chiseled (+) at the point and 2 - H.E.S 161 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:

A 12 in. oak, scribed 2 H E S 161 + B T,

bears N. 73° 40' W., .100 lks.

A 9 in. oak, scribed 2 H E S 161 + B T,

bears S. 33° 00' W., 57 lks.

Thence N. 24° 24' W.

Leave List 142 and continue on List 3-1138. Over

bottom in open.

10.40 Ascend SE. slope in undergrowth, 30 ft.

21.15 Ridge, bears NE. and SW. Descend N. slope 35 ft. in undergrowth.

38.00 Left bank Spring Creek, 6 ft. high, course NW. Enter creek bed, in which a stream of water is flowing.

60.80 Right bank Spring Creek, 6 ft. high, course NW. Leave creek bed and continue over bottom.

Chains
 63.05 Wire fence, bears NW. and SE. Enter field.
 70.83 Wire fence, bears ENE. and WSW.
 71.13 To cor. No. 3.
 Identical with cor. H-2 of list 3-1138, which is a sandstone 12 x 3 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I 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 deposit it 14 ins. in the ground, over which I set a sandstone 24 x 11 x 5 ins., 14 ins. in the ground chiseled (+) at the point and 3 - H E S 161 on the ESE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, ESE. of cor., from which:
 A 16 in. sycamore, scribed 3 H E S 161 + B T, bears S. 88° 30' W., 248 lks.
 A 10 in. sycamore, scribed 3 H E S 161 + B T, bears S. 69° 00' W., 234 lks.

Thence N. 89° 37' E., . . .
 Over bottom land in open.
 0.95 Fence, bears ENE. and WSW. Enter field.
 6.46 Fence, bears NW. and SE. Leave field and ascend SW. slope 15 ft. in open.
 16.96 To cor. No. 4.
 Identical with cor. H-3 of list 3-1138, which is a sandstone 8 x 4 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. 4 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 sandstone 24 x 9 x 6 ins., 14 ins. in the ground, chiseled (+) at the point and 4 - H E S 161 on the S. face;

GRAND TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains and raise a mound of stone 2 ft. base, 1-1/2 ft. high,

S. of cor., from which:

A 10 in. oak, scribed 4 H E S 161 + B T,

bears S. 52° 00' E., 143 lks.

A 19 in. oak, scribed 4 H E S 161 + B T,

bears S. 16° 30' W., 116 lks.

Thence S. 81° 45' E.

Along S. slope in open.

2.95 Arroyo, 4 lks. wide, banks 2 ft. high, course SW.

Ascend NW. slope 50 ft. in undergrowth.

10.54 To cor. No. 5.

Identical with cor. H-2 of list 142 and cor. H-4 of list 3-1138, which is a granite stone 7 x 6 x 5 ins.

above ground, marked and witnessed as described by

the Forest Service. I destroy cors. H-2 and H-4 and

their witnesses, and for cor. No. 5 of this survey, I

chisel (+) on a stone 4 x 4 x 2 ins., and deposit it

14 ins. in the ground, over which I set a quartzite

stone 24 x 12 x 7 ins., 14 ins. in the ground, chis-

eled (+) at the point and 5 - H E S 161 on the S. face;

and raise a mound of stone 2 ft. base, 1-1/2 ft. high,

S. of cor., from which:

A 6 in. oak, scribed 5 H E S 161 + B T,

bears N. 6° 37' W., 38 lks.

A 16 in. oak, scribed 5 H E S 161 + B T,

bears N. 61° 05' E., 50 lks.

Note: I destroy cor. H-3 of list 142, which is a

quartzite stone 5 x 4 x 5 ins. above ground, marked

and witnessed as described by the Forest Service, and

bears S. 70° 00' W., 20.00 chs. dist. from cor. No. 5

of this survey.

Chains Thence S. 16° 33' E.
 Leave list 3-1138 and pass to list 142. Descend
 along SW. slope in undergrowth, 65 ft.
 49.05 Right bank Walnut Creek, 120 lks. wide, banks 6 ft.
 high, course NW. Ascend 5 ft. in open.
 60.68 To cor. No. 1, the place of beginning.

AREA.

Area - - - - - 136.50 acres.

IMPROVEMENTS.

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

A log dwelling, 14 x 12 ft., the long side extending N. and S. and the NW. cor. of which bears S. 16° 00' E., 17.00 chs. dist. from cor. No. 4 of this survey.

Estimated value ----- \$ 50.00

Approximately 1-1/2 miles of fencing.

Estimated value ----- \$200.00

Approximately 20 acres of cultivated land.

DESCRIPTION.

This claim is situated on Spring Creek, which flows Northwesterly into Tonto Creek and thence Southerly in Salt River. There is no timber in this vicinity. The slopes sustain a growth of oak and the bottoms some cottonwood and sycamore.

Sufficient water for domestic purposes and irrigation is obtained from Spring Creek which flows or seeps the entire year.

A large percentage of this claim is bottom land, and the soil is a sandy loam and produces the ordinary crops of the temperate zone. Good crops of alfalfa,

TRINITY NATIONAL FOREST

STATE OF ARIZONA

Chains

corn, beans, etc., have been produced.

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

Young post office is 9 miles by trail and road in an Easterly direction. Holbrook railway station is 125 miles in a Northeasterly direction.

There are no conflicts. List No. 3-2994 adjoins this claim on the Southeast, line 2-1 thereof is common with line 1-2 of this survey.

TRAVERSE.

| Cor. | Course | Dist. | N | S | E | W |
|------|---------------|--------|--------------|-------|--------------|-------|
| 1-2 | S. 71° 10' W. | 16.03 | | 5.17 | | 15.17 |
| 2-3 | N. 24° 24' W. | 71.13 | 64.78 | | | 29.38 |
| 3-4 | N. 89° 37' E. | 16.96 | 0.11 | | 16.96 | |
| 4-5 | S. 81° 45' E. | 10.54 | | 1.51 | 10.43 | |
| 5-1 | S. 16° 33' E. | 60.68 | | 58.17 | 17.28 | |
| | | 175.34 | 64.89 | 64.85 | 44.67 | 44.55 |
| | | | <u>64.85</u> | | <u>44.55</u> | |

Error in Lat. and Dep. 0.04 0.12

Closing error 1:1356.

Survey completed September 7, 1914.

Walter J. Purley
Surveyor - Forest Service.

Chains

corn, beans, etc., have been produced. This is not a mineralized section and no mining, coal, or oil claims, or townships are known to have been located in this vicinity. Young post office is 2 miles by trail and road in an easterly direction. Holbrook railway station is 125 miles in a northeasterly direction. There are no conflicts. List No. 3-2994 adjoins this claim on the southeast, line 2-1 thereof is common with line 1-2 of this survey.

TRAVELER

| Cor. | Course | Dist. | N | S | E | W |
|------|---------------|-------|---|-------|-------|-------|
| 1-2 | S. 71° 10' W. | 18.03 | | 5.14 | | 18.17 |
| 2-3 | N. 24° 24' W. | 44.78 | | | | 28.38 |
| 3-4 | N. 89° 37' E. | 0.11 | | | 18.96 | |
| 4-5 | S. 81° 45' E. | 10.54 | | 1.51 | 10.43 | |
| 5-1 | S. 16° 33' E. | 60.68 | | 58.17 | 17.98 | |

175.34 64.88 64.88 44.87 44.85 44.85

Error in lat. and dep. 0.04 0.13

Closing error 1:1356

Survey completed September 7, 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 161, STATE OF ARIZONA-Tonto, W. R. Wilbanks.

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|-------------------------------------|-----------------------|-----------|-------------|---------------------|---------------------|----------------------|--------------|----------------------|-----------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | |
| 1-2 <i>94646</i> <i>32282</i> | S. 71° 10' W. | 16.03 | | 5 17 ✓ | | 15 17 ✓ <i>43</i> | 74 04 | | 382 79 ✓ |
| 2-3 <i>41810</i> <i>91068</i> | N. 24° 24' W. | 71.13 | 64 78 ✓ | | | 29 38 ✓ | 29 43 | 1905 89 ✓ | |
| 3-4 <i>80669</i> | N. 89° 37' E. | 16.96 | 0 11 ✓ | | 16 96 ✓ <i>5</i> | | 16 95 | 1 70 ✓ | |
| 4-5 <i>98965</i> <i>74849</i> | S. 81° 45' E. | 10.54 | | 1 51 ✓ | 10 43 ✓ | | 44 32 | | 66 92 ✓ |
| 5-1 <i>98485</i> <i>96857</i> | S. 16° 33' E. | 60.68 | | 58 17 ✓ <i>8</i> | 17 28 ✓ <i>4</i> | | 71 98 | | 4187 80 ✓ |
| | | 175.34 | 64 89 | 64 85 | 44 67 | 44 55 | 1907 59 ✓ | 4627 51 ✓ | |
| | | | <i>6486</i> | <i>6486</i> | <i>4461</i> | <i>4461</i> | | 1907 59 | |
| | | | | | | | | 2729 92 ✓ | |
| | | | | | | | | Area - 136 50 Acres. | |
| | | | | | | | | | T. A. |
| | Closing error 1:1356. | | | | | | | | |

CLOSING ERROR J: 1322

1322 20 1322

| CORRECTION | REMARKS | DISTANCE | MILES | | | DEGREES | | | DOUBLE M. D. | M. Y. Y. Y. | S. Y. Y. Y. |
|------------|---------------|----------|-------|-------|-------|---------|-------|-------|--------------|-------------|-------------|
| | | | 1 | 2 | 3 | 1 | 2 | 3 | | | |
| 2-1 | E. 10. 22. E. | 132. 22 | 04 28 | 04 28 | 04 28 | 04 28 | 04 28 | 04 28 | 04 28 | 04 28 | |
| 2-2 | E. 81. 42. E. | 10. 01 | 10 01 | 10 01 | 10 01 | 10 01 | 10 01 | 10 01 | 10 01 | 10 01 | |
| 2-3 | N. 80. 21. E. | 10. 20 | 10 20 | 10 20 | 10 20 | 10 20 | 10 20 | 10 20 | 10 20 | 10 20 | |
| 2-4 | N. 57. 24. W. | 11. 12 | 01 12 | 01 12 | 01 12 | 01 12 | 01 12 | 01 12 | 01 12 | 01 12 | |
| 2-5 | E. 11. 10. W. | 10. 03 | 01 03 | 01 03 | 01 03 | 01 03 | 01 03 | 01 03 | 01 03 | 01 03 | |

LABLING VND OVIOLATIONS OF HONESTYD EATLY SUBAEL MO 1322

1. Only three copies of this report are necessary for the District Office, the District Center, and the Commission.
 2. In computations of latitude error, use the following: 1. In computations of Y and Z, use the values shown in the table.
 3. In computations of longitude error, use the following: 1. In computations of X and Y, use the values shown in the table.
 4. In computations of distance, use the following: 1. In computations of X and Y, use the values shown in the table.

APPROVAL

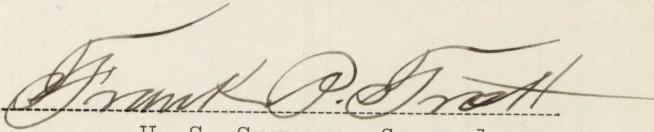
Office of the United States Surveyor General,

Phoenix, Arizona, November 27, 1916.

The foregoing field notes of Homestead Entry Survey No.

161

executed by **Walter G. Turley, Surveyor, Forest Service**
[Forest Service Title.]
under his special instructions, dated **January 17**, 1914, 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.