FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 171
SITUATED IN THE
CROOK NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3
in
Section 22, unsurveyed, Township 10 S, Range 25 E.
Section 27, unsurveyed, Township 10 S, Range 25 E.

of the
Gila and Salt River Base and Meridian.
ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service
Under special instructions dated February 17, 1914
Survey commenced March 12, 1914
Survey completed March 13, 1914
Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing Thomas Richards
Residence Safford, Arizona
Application No. 5, dated February 21, 1907
List No. 717, dated November 27, 1907
Applicant for survey Thomas Richards
Residence Safford, Arizona
H. E. No. 01692, dated November 27, 1908
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. 171 in unsurveyed Section 22, Township 10 S., Range 25 E., unsurveyed Section 27, Township 10 S., Range 25 E., of the G.& S.R.E. & 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 survey 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 furnished 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.

Subscribed and sworn to before me this 15 day of March, 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 February 17, 1914, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land under the Patent Act of June 11, 1906, and the same to be known as Homestead Entry Survey No. 171, situated within the C'EOK National Forest, in unsurveyed Section 22, Township 10 S., Range 25 E., and unsurveyed Section 27, Township 10 S., Range 25 E., of the G.& S.R.E. & 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 30 day of April, 1914.

Robert T. Swell
Notary Public

Seal
Survey commenced March 12, 1914 and executed with a W.
and L. E. Gurley light mountain transit 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 measured with a clinometer.

March 12, 1914.
At 8h. 04. 9 m. p.m., l.m.t., I observe Polaris at
Western elongation at cor. No. 1, and mark my line of
sight upon the ground. Azimuth of Polaris at W. along.

1° 51' 44"
Latitude 32° 33' 22" N. Longitude 109° 46' W. at cor.

March 13, 1914.
At 6h. 15m. a.m., l.m.t., I observe Polaris at cor.
No. 1, and then.

Homestead Entry Survey No. 171
CROOK National Forest

State of Arizona

Chains

Astron. L.M.T. Obsn. March 12, 1914 2h., 16m., 18h. 15m.
Astron. L.M.T., U. C. Pol. March 12, 1914 2h. 08.6

Hour angle of Pol. at Obsn. 16h. 07.2m.

Time argument, 23 56.1

Azimuth of Polaris 1° 11', 48" E.

I turn off the azimuth 1° 12' to the West and my line of sight differs 0° 00' 30" of arc from the line established by turning off the azimuth 1° 22' from my last night's observation. I mark the mean of these two observations and from the corresponding meridian all the courses of this survey were deflected.

To a random line.

Thence South 15.90 To cor. of Secs. 22, 23, 26 and 27, which is a granite stone 14 x 8 x 12 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence South 40.03 To cor. of Secs. 26 and 27, which is a granite stone 14 x 8 x 30 ins. set in a mound of stone, marked and witnessed as described by the Surveyor General.

To cor. H-2 of the list survey, which is a granite stone 10 x 9 x 7 ins. above ground, marked and witnessed as described by the Forest Service.

To cor. of Secs. 26, 27, 34 and 35, which is a granite stone 14 x 14 x 30 ins. set in a mound of stone marked and witnessed as described by the Surveyor General.

I return to cor. of Secs. 22, 23, 26 and 27.

Thence North.

15.90 To cor. No. 1 of the list survey, which is a granite stone.
**Chains**

9 x 7 x 16 ins. set in a mound of stone, marked and witnessed as described by the Forest Service.

39.30

The W. C. for the 1/4 sec. cor. bet. secs. 22 and 23, which is a granite rock 36 x 14 x 14 ins. set in a mound of stone, marked and witnessed as described by the Surveyor General.

This cer. is 40.75 chs. dist. from the cor. of secs. 22, 23, 26 and 27, according to the record of the Surveyor General. Therefore to check my line I run the following traverse around the hill which stands upon the line:

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. 26° 33' W.</td>
<td>12.63</td>
<td>11.28</td>
<td>5.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 50° 00' W.</td>
<td>18.97</td>
<td>12.13</td>
<td>14.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South</td>
<td>15.91</td>
<td>15.91</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>East</td>
<td>20.06</td>
<td>20.08</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Therefore I conclude that my measurement is correct.

**Cor. No. 1.**

Identical with H-1 of the list survey, heretofore described, I mark a cross (+) and H-H33171 CC on the imbedded granite boulder 15 x 9 x 7 ft. above ground; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., from which:

- A well 4 x 4 x 20 ft. deep, and pump, the center of which bears S. 35° W., 15.00 chs. dist.
- W. C. to 1/4 sec. cor. bet. secs. 22 and 23, heretofore described, bears N. 23.40 chs. dist.
- Cor. of secs. 22, 23, 26 and 27, heretofore described bears S. 15.90 chs. dist.

Pits impracticable. No bearings available.

Mag. Va. at 6 a.m., 13° 40' E. Mean Mag. Va. 13° 37' E.

Note: The list cor. was a marked stone upon the large
Chains

 stone in place. I therefore destroy the list cor. and mark the stone in place for cor. No. 1.

Thence South

Along line bet. secs. 22 and 23.
Descend SW. slope 10 ft.

.075 Ravine, course W. Ascend NW. slope 20 ft.

4.00 Spur bears SE. and NW. Descend 75 ft.

10.50 Foot of hill, bears NW. and SE. Continue ascending over rolling NW. slope 55 ft. to cor.

14.75 Ranch road, bears NW. and SE.

15.90 Cor. of secs. 22, 23, 26 and 27, heretofore described.
Continue South bet. secs. 26 and 27.

55.93 1/4 sec. cor. bet. secs. 26 and 27, heretofore described.

79.57 To cor. No. 2...

Identical with H-2 of the list survey, which is a granite stone 8 x 6 x 7 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 24 x 10 x 6 ins., 14 ins. in the ground, over a marked stone, for cor. No. 2 and a closing cor., marked 2-HES171 on the NW. face and CC on the W. face; and raise a mound, of stone, 2 ft. base, 1-1/2 ft. high, West of cor., from which:

A mesquite 4 ins. dia., bears N. 87° 51' E.,
230 lbs. dist., marked 2 H E S 171 B T.

Cor. of secs. 26, 27, 34 and 35, heretofore described, bears S. 16.20 chs. dist.
1/4 cor. bet. secs. 26 and 27, heretofore described, bears N. 23.82 chs. dist.

No other witnesses available. Fits impracticable.
Chains

Thence S. 89° 36' W.

Descend rolling N. slope 10 ft. to ravine.

17.75
Ravine, course N. Ascend 10 ft.

19.80
To cor. No. 3.

Identical with H-3 of the list survey, which is a granite stone 7 x 5 x 7 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a granite stone 28 x 14 x 9 ins., 16 ins. in the ground, over a marked stone, for cor. No. 3, marked 3-HES171 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:

An oak 4 ins. dia., bears S. 44° W., 92 lbs.
dist., marked 3 H ES S 171 B T.

No other witnesses available. Fits impracticable.

Thence N. 00° 14' W.

Descend rolling N. slope 70 ft. to spring branch.

27.32
Pence, bears E. and W. Enter pasture.

76.25
Right bank spring branch, 30 lbs. wide, banks 2 ft.

high, course NE. Ascend 10 ft.

79.75
To cor. No. 4.

Identical with H-4 of the list survey, which is a granite stone 9 x 4 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 granite boulder 30 x 9 x 8 ins., 20 ins. in the ground, over a marked stone, for cor. No. 4, marked 4-HES171 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:

A sycamore 10 ins. dia., bears S. 49° 20' E.,

196 lbs. dist., marked 4 H ES S 171 B T.

A sycamore 9 ins. dia., bears S. 33° 45' E.,
FORM 65.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 171

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

226.10 lks. dist., marked 4th E S 171 B T.

Thence S. 89° 55' E.

Descend E. slope 15 ft.

2.10 Left bank spring branch, 30 lks. wide, banks 2 ft. high, course N. Ascend 10 ft. to foot of hill over rolling land.

10.10 Fence, bears NW. and SSE. Leave pasture.

12.20 Foot of hill, bears N. and S. Leave rolling land and ascend granite ledges 100 ft. to spur.

16.10 Spur bears NE. and SW. Descend SW. slope 15 ft.

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

AREA

Total Area ___________ —_________ —_________ —_________ —158.99 acres.

IMPROVEMENTS:

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

An adobe dwelling 16 x 33 ft., the long side of which bears N. and S. and the NW. cor. bears S. 54° 30' E., 3.94 chs. dist. from cor. No. 4.

Value ____________________ $250.00

A well 4 x 4 x 20 ft. deep, the center of which bears S. 60° E., 3.66 chs. dist. from cor. No. 4.

Value ____________________ $100.00

A rock stable 16 x 36 ft., the long side of which bears E. and W. and the NW. cor. bears S. 73° 25' E., 3.32 chs. dist. from cor. No. 4.

Value ____________________ $100.00

A rock smoke house 8 x 12 ft., the long side of which bears E. and W. and the NW. cor. bears S. 87° 55' E.,
Chains 3.40 chs. dist. from cor. No. 4.

Value --------------------- $25.00

A well at corral 4 x 4 x 28 ft. deep, and pump, the center of which bears S. 43° 35' E. 16.85 chs. dist. from cor. No. 4.

Value --------------------- $100.00

Fencing and corral.

Value --------------------- $100.00

DESCRIPTION.

This claim is situated at the foot of the Graham mountains on a general N. slope.

There is surface water during the winter months, but during the summer water is pumped from wells for cattle.

There is not sufficient water for irrigation.

I saw no indication of mineral upon this claim.

Safford postoffice and railway station is 25 miles in a Northerly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

TRaverse

<table>
<thead>
<tr>
<th>Cor.</th>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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<td>79.57</td>
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<tr>
<td>2</td>
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<td>3</td>
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<td>79.74</td>
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Error in Lat. and Dep. 0.01 0.00

Closing error 1:19924.

Walter J. Turley
Surveyor - Forest Service.
Detailed Computation.
Lat. 32° 33' 22" N., at cor. No. 1, from special instructions of Surveyor General.
Long. 109° 46' W., at cor. No. 1, from special instructions of Surveyor General.

Polaris at W. Elong., March 12, 1914.
Sh. 05.2m., p.m., W. elong. of Pol. at Greenwich,
Lat. 40° N.
1.2m., sidereal correction.
Sh. 04.0m.
0.9m., correction to Lat. 32° 33' 22".
Sh. 04.9m., p.m., W. elong. of Pol. at cor. No. 1.
88° 51' 06".5, decl. of Pol., March 12, 1914.
Interpolate p. 16, C. L. O. Ephemeris.
01° 21' 44", Azimuth of Pol. at W. elong.

Polaris observation March 13, 1914 at 6h. 15m., a.m.,
1.m.t.
16h. 15.0m., Astron. 1.m.t. obsn., March 12, 1914.
2h. 10.0m. - 1.2m. (sidereal correction) is 2h. 08.8m.
2h. 08.8m., Astron. 1.m.t. U.C. Pol., March 12, 1914.
16h. 06.2m., Hour Angle of Pol. at obsn.
23h. 56.1m.
7h. 49.9m., Time argument.
88° 51' 06".5, decl. of Pol., March 12, 1914.
01° 11' 48", Azimuth of Pol. at obsn.
**Tabling and Calculations of Homestead Entry Survey No. 171, State of Arizona - Crook, Thomas Richards.**

<table>
<thead>
<tr>
<th>CORNERS.</th>
<th>BEARING.</th>
<th>DISTANCE.</th>
<th>LATITUDES.</th>
<th>DEPARTURES.</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS.</th>
<th>S. AREAS.</th>
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</thead>
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<tr>
<td></td>
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<td>NORTH.</td>
<td>SOUTH.</td>
<td>EAST.</td>
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<td>0.22</td>
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<td>4</td>
<td>S. 89° 55' E.</td>
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<td>Closing error</td>
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</tr>
</tbody>
</table>

Closing error 1,19924.
APPROVAL

Office of the United States Surveyor General,


The foregoing field notes of Homestead Entry Survey No.

171

executed by Walter C. Turley, Surveyor-Forest Service
under his special instructions, dated February 17, 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.

[Signature]
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.

[Signature]
Frank P. Trott
U. S. Surveyor General.