FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 114.
SITUATED IN THE
CROOK NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3.
in
Section 9, unsurveyed, Township 1 S., Range 15 E.
Section 16, unsurveyed, Township 1 S., Range 15 E.
Section 17, unsurveyed, Township 1 S., Range 15 E.

of the
Gila and Salt River Principal Meridian.
Arizona

Survey executed by Walter G. Turley, Forest Service Surveyor.
Under special instructions dated October 30, 1913
Survey commenced January 14, 1914
Survey completed January 14, 1914

Applicant for listing John Hansen and H. W. Piper,
Residence Globe, Arizona.
Application No. 110-131, dated June 22, 1909 and Jan. 26, 1910
3-226 and
List No. 3-695, dated July 6, 1909 and September 22, 1910.
Applicant for survey H. W. Piper
Residence Globe, Arizona.
H. E. No. 014311, dated Dec. 12, 1910 and July 5, 1911.
Land district Phoenix, Arizona.
OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley, Forest Service Surveyor, in surveying all those parts or portions of Homestead Entry Survey No. 114, in unsurveyed Section 9, Township 1 S., Range 15 E., unsurveyed Section 16, Township 1 S., Range 15 E., unsurveyed Section 17, Township 1 S., Range 15 E., of the G. & S. R. F. 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 23rd day of February, 19....

[Signature]

OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated October 30, 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 Nos. 3-226 and 3-689, dated July 6, 1909 and Sept. 22, 1910, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 114, situated within the CROCK National Forest, in unsurveyed Section 9, Township 1 S., Range 15 E., and unsurveyed Section 16, Township 1 S., Range 15 E., of the G. & S. R. F. 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.

Subscribed and sworn to before me this 23rd day of February, 1914.

[Signature]

[Seal]
Applicants for listing: John Hansen and Henry W. Piper; Applications Nos. 110 and 131, dated June 28, 1909, and January 28, 1910; List Nos. 2-226 and 3-685, dated July 6, 1909 and September 22, 1910; H. E. Nos. 012755-01371 made by Henry W. Piper at Phoenix, Arizona, on December 12, 1910 and July 5, 1911.

Surveyed under special instructions from the Surveyor General for Arizona dated October 30, 1913, and designated as Homestead Entry Survey No. 114.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. of the Meridian, in what will probably be, when surveyed, secs. 9, 16, 9 and 17, within the Crook National Forest, Arizona.


Survey commenced January 14, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 12953, with vertical-circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was examined, tested and all necessary adjustments made to the levels, line of collimation, stadia interval and solar attachment.

The stadia is adjusted to read 1:152 and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths.

January 14, 1914:

At 9 h. 00 m. a.m., I set off 21° 21' S. on the
Chains. The arc and 33° 21' on the lat. arc and determine a meridian with the solar at cor. No. 1 of H. E. S. 113. C. W. Shepard, which is an imbedded granite boulder 60 x 48 x 60 ins. above ground, marked and witnessed as described by me in the field notes thereof. I set off S. 63° 30' E. on the horizontal limb and my line of flight falls upon the cross on the granite boulder 24 x 24 x 12 ins. above ground, which is cor. No. 2 of H. E. S. 113, C. W. Shepard, marked and witnessed as described by me in the field notes thereof. Therefore I conclude that my transit is in satisfactory adjustment.

At 10 h. 00 m. a.m. l.m.t., I set off 21° 20' S. on the decl. arc and 33° 23' on the lat. arc and determine a meridian with the solar at the St. 1/4 Sec. Cor. Sec. 24, T. 1 N., R. 15 E., which is a granite rock 12 x 4 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 10° 10' E. on a true line.

33.30 To cor. No. 1.

Identical with cor. 5-3 of the List, which is a granite boulder 5 x 3 x 1 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same boulder for cor. No. 1 of this survey and 1-HE3114 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which a cross (+), on an imbedded granite boulder 4 x 4 x 4 ft. above ground bears S. 4° 45' E. 66 lks. dist. marked 1 H E S 114 B.R.

No other bearings available. Pits impracticable.
HOMESTEAD ENTRY SURVEY NO. 114
T40S R8E S22 E1/2
TECONE NATIONAL FOREST
ARIZONA

Chains: I observe the magnetic declination at cor. No. 1 to be 17° 10' E., at 11h. 00m. a.m., l.m.t., which reduced to
by Table C, Manual 1894, Diurnal Variation in Magnetic
Declination, gives a mean-magnetic declination of
17° 09' E., as obtained from instructions from the
Surveyor General.

16.20. Descend W., slope 50 ft., to bottom. 13
23.75. Road, bears NE. and SW.

33.98 To cor. No. 2. 80 lbs.

65.35 To cor. No. 3.

4-50. Raveine, course NW. Ascend 75 ft., along NW. slope in
undergrowth to cor. NW. bears N. and E. of E. junction a east.

4-80. Hence, bears NW. of N. and S. of E. junction a east.

Along NW. slope in undergrowth. I Descend 25 ft.

Identical with cor. E-5 of the List survey, which is
a granite boulder 5 x 5 x 4 ft., above ground, marked
and witnessed as described by the Forest Service.

I destroy all trace of this list cor. and mark a cross
on the apex of the same boulder for cor. No. 2 of
this survey and 2-HES114 on the NW. face; and raise a
mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor.

A holly 4 ins. dia. bears N. 22° 27' E., 80 lbs.

dist. marked 2 H ES 114 B T. 36.83. 39.42.

No other bearings available. Fills impracticable.

Leave List 3-685 and continue along line of List 3-226.
Chains 30 to this point I previously established cor. No. 2 of H. E. no. 113, by marking a cross (+) on the apex of this large boulder and 2-HESS 113 on the W face, with mound of stone 2 ft. base, 1-1/2 ft. high w. of cor. I mark same boulder 2-HESS 114 on N face for cor. No. 3 of this north and south end points and further establish an old U. S. Geological Survey Monument.

A manzanita 4 ins. dia. bears S. 21° 39' E.

53 lms. dist. marked 2 H E S 113 3 H E S 114 B T

A manzanita 4 ins. dia. bears N. 56° 47' W. 03° 41' 

21 lms. dist. marked 2 H E S 113 3 H E S 114 B T

Thence N. 63° 30' W.

A manzanita 4 ins. dia. bears S. 01° 30' E.

58 lms. dist. marked 2 H E S 113 3 H E S 114 B T

B. 45. Descend 25 ft. to creek at Elkon bridge.

5.25. Water course in Russell Gulch, 50 lms. wide, banks 2 ft. above high course NE. Ascend SE. slope 100 ft. to cor.

4.45. Road, bears NE. and SW. cut to xero and 440 ft. (+)

9.90. Cor. No. 1 of H. E. S. No. 113, 0 W. Shepard, which is an imbedded granite boulder 60 x 48 x 60 ins. above ground, marked and witnessed as described by me in the field not on thereof. 0.16, 0.17, 0.18

10.96. To cor. No. 4 in S 30° 20' 30" E, 0.16, 0.17, 0.18.

Identical with cor. 1 of the List Survey, which is 0.02 in S 10° E 20' 30" E. 0.16, 0.17, 0.18.

An imbedded granite boulder 36 x 36 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and mark a cross (+) on the apex of the same, stone for cor. No. 4 of this survey and 4-HESS 114 on the face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high w. of cor. from which

1. 85 lms. dist. marked 4 H E S 114 B.

No other bearings available; Pits impracticable.
HOMESTEAD ENTRY SURVEY NO. 114.

CROOK NATIONAL FOREST

ARIZONA

Chains

Thence N. 45° 48' E.

Descend SE. slope 50 ft. to bottom.

6.25 Enter bottom, bears N. and S.

08.8

10.15 Leave bottom, bears E. and W. Ascend 125 ft. to ridge.

50.25 Ridge, bears NW. and SE. Descend 50 ft. to cor.

70.08 To cor. No. 5.

Identical with cor. No. 1-4 of the List survey, which is a granite boulder 4 x 4 x 5 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same boulder for cor. No. 5 of this survey and 5-HES114 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. The only witnesses available to this cor. are the improvements. Pits impracticable.

Leave List 3-226 and continue along line of List 3-685.

18.20 Thence N. 17° 56' E. 33 x 13 griffins east A

Descend 100 ft. along E. slope to ravine.

13.20 Ravine, course NE. Ascend 15 ft. to ridge.

16.15 Ridge, bears NE. and SW. Descend E. slope 50 ft. to cor.

19.98 To cor. No. 6.

Identical with cor. No. 2 of the List survey, which is a red sandstone 6 x 6 x 12 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 quartzite stone 28 x 15 x 10 ins. 18 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 6 of this survey, marked 6-HES114 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which a cross (+) on a porphyry stone 24 x 24 x 6 ins. above ground, bears S. 12° 05' E. 60 lbs. dist. marked 6 H E 3-114 E R.

No other bearings available. Pits impracticable.
Chains

Thence N. 81° 15' E.
Descend E. slope 65 ft. to creek.
9.30 Water course in Russell Gulch, 50 ft. wide, banks 2 ft.

To cor. No. 1 of this survey, the place of beginning.
Note: The sun was obscured at apparent noon, therefore a latitude observation was not possible.

A frame dwelling 21 x 25 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 52° E.
6.06 chs. dist. from cor. No. 6 of this survey.

A frame stable 18 x 50 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 67° 45' E.
6.50 chs. dist. from cor. No. 5 of this survey.

The improvements made upon and for the benefit of this claim and belonging to Henry W. Fish, the claimant herein, consist of the following:

A frame dwelling 21 x 25 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 52° E.
6.06 chs. dist. from cor. No. 6 of this survey.

Value............ $350.00

A frame stable 18 x 50 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 67° 45' E.
6.50 chs. dist. from cor. No. 5 of this survey.

Value............ $ 75.00

This claim is situated on Russell Gulch at an elevation of approximately 3,800 ft. and is chiefly valuable for stock raising and intensive farming. The soil is a sandy loam and produces any crops raised in the temperate zone. There appears to be no mineral on this claim.

Globe postoffice and Arizona Eastern Railway Station is...
three miles distant in a northeasterly direction.

Conflicts and Adjoining Claims.

This claim is joined on the SW. by H. E. S. No. 113, C. W. Shepard.

Traverse

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<th>Distance</th>
<th>Latitude S</th>
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<th>Departure W</th>
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Error in Lat. and Dep. .06 .03

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W.B. W.B. W.B. 11.00

Risk in feet and depth.

Opposite entry 3/20/20

Bearer service evidence.
**TABLING AND CALCULATIONS OF**

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APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
December 10, 1914.

The foregoing field notes of Homestead Entry Survey No.
114

H. W. Piper

executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated October 30, 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 Arizona, has been correctly copied from the original notes on file in this office.

Frank S. Ingalls,
U. S. Surveyor General.