

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

117
JUL 23 1915
SEP - 2 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 197

SITUATED IN THE

SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 23, - surveyed, Township 13 N., Range 14 E.,

Section 24, - surveyed, Township 13 N., Range 14 E.,

Section 25, - surveyed, Township 13 N., Range 14 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

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

Under special instructions dated June 10, 1914

Survey commenced June 26, 1914

Survey completed June 27, 1914

Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing John J. Weimer,

Residence Heber, Arizona

Application No. 239, dated November 4, 1911

List No. 3-1954, dated June 10, 1912

Applicant for survey John J. Weimer,

Residence Heber, Arizona

H. E. No. 024842, dated April 11, 1914

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. 197 in
- surveyed Section 23, Township 13 N., Range 14 E.,
- surveyed Section 24, Township 13 N., Range 14 E.,
- surveyed Section 25, Township 13 N., Range 14 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 Assistants;
hence, they were taken
by the Surveyor.

Charles D. Hodson Chainman,
Charles E. Baecht Chainman.

Subscribed and sworn to before me this 12th day of
November, 1914.

Walter G. Turley
Surveyor - Forest Service

OATH OF SURVEYOR

Service

I, Walter G. Turley, Surveyor - Forest, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
June 10, 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. 3-1954 dated June 10, 1912, for
PATENT, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 197,
situated within the SITGREAVES National Forest, in
- surveyed Section 23, Township 13 N., Range 14 E., and
- surveyed Section 24, Township 13 N., Range 14 E.,
- surveyed Section 25, Township 13 N., Range 14 E.

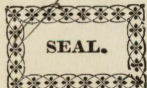
of the G. & S.R.B.& meridian, Arizona, and the
related retracements and resurveys and section subdivisions,
which are represented in the following field notes as having
been surveyed by me; and I further solemnly swear that all
the corners of said survey have been established and perpet-
uated in strict 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 16th day of

November, 1914.

my Commission expires 6-1918 R. B. Collier
Notary Public



SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, John J. Weimer; Application No. 239 dated November 4, 1911; List No. 34954, dated June 10, 1912; H. E. No. 024842, made in the Phoenix Land Office on April 11, 1914 by John J. Weimer of Heber, Arizona. Surveyed under Acts of June 11, 1906 and March 4, 1913; and special instructions from the Surveyor General for Arizona, dated June 10, 1914, and designated as Homestead Entry Survey No. 197.

Situated in secs. 23, 24 and 25, T. 13 N., R. 14 E., Gila and Salt River Base and Meridian, within the Sitgreaves National Forest, Arizona.

Survey commenced June 26, 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 of the transit is provided with 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 on the slope with a 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 with two targets, the verniers of which read to thousandths of a foot.

- June 26, 1914.

At 9h. 05m. p.m., l.m.t., I observe Polaris with telescope direct, at the cor. of secs. 23, 24, 25 and 26, T. 13 N.,

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Chains R. 14 E., hereinafter described, and mark the line thus determined with a tack in a stake set 5.00 chs. North of my station. Lat. $34^{\circ} 29' 36''$ N., Long. $110^{\circ} 50' 11''$ W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., June 25, 1914, 33h. 05.Om.
 Astron. l.m.t. U. C. Pol., June 25, 1914, 19h. 08.9m.
 Hour angle Pol. at obsn., 13h. 56.1m.
 23h. 56.1m.
 Time Argument, 10h. 00.Om.
 Azimuth Pol. at obsn., $0^{\circ} 41' 00''$ E.

Note: The original cor. stone for secs. 23, 24, 25 and 26 has been destroyed: Point for section corner, which falls on an imbedded sandstone showing 18 x 12 x 7 ins. above ground, was determined from call of the witness trees. I chisel the above described stone two notches on South face and one notch on East face, whence:

A pine stump, 30 ins. dia., blazed and scribed
 T 13 N R 14 E S 24 B T, bears N. 25° E.,
 28 lks. (Original witness).

A pine, 14 ins. dia., blazed and scribed
 T 13 N R 14 E S 25 B T, bears S. 85° E.,
 228 lks. (Original witness).

A pine, 30 ins. dia., blazed and scribed
 T 13 N R 14 E S 23 B T, bears N. 28° W.,
 113 lks. (Original witness).

A pine, 30 ins. dia., blazed and scribed
 T 13 N R 14 E S 26 + B T, bears S. 28°
 30' W., 228 lks. (New witness).

At 9h. 20m. p.m., l.m.t., on the same date, I observe Polaris at cor. to secs. 23, 24, 25 and 26, T. 13 N., R. 14 E., heretofore described, with telescope reversed in altitude and azimuth, and mark the direction

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thus determined with a tack in a stake set 5.00 chs.

E. of my station.

Astron. l.m.t. obsn., June 25, 1914, 33h. 20.0m.

Astron. l.m.t. U.C. Pol., June 25, 1914, 19h. 08.9m.

Hour Angle Pol. at obsn., 14h. 11.1m.

23h. 56.1m.

Time Argument, 9h. 45.0m.

Azimuth of Pol. at obsn., 0° 44' 36" E.

June 26, 1914.

June 27, 1914.

I turn off 0° 41', the azimuth of Polaris, to the W. from her direction at 9h. 05m. p.m., l.m.t., June 26, 1914; and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

I also turn off 0° 44-1/2', the azimuth of Polaris, to the W. from her direction at 9h. 20m. p.m., l.m.t., June 26, 1914, and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station. This line falls 0° 00' 42" 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 5.00 chs. N. of my station, and from the corresponding meridian all the courses of this survey were deflected.

At 8h. 00m. a.m., l.m.t., on the same date, I set off 23° 21-1/2' N. on the decl. arc and 34° 29-1/2' on the lat. arc and determine a meridian with the solar at cor. of secs. 23, 24, 25 and 26; T. 13 N., R. 14 E., heretofore described, and my line of sight falls 0° 00' 20"

of measured arc to the W. of the meridian established by me at this point from Polaris observations made June 26, 1914, and marked upon the ground as heretofore described.

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Lat. $34^{\circ} 29' 36''$ N. and Long. $110^{\circ} 50' 11''$ W.

At cor. No. 1, which is identical with cor. to secs. 23, 24, 25 and 26, T. 13 N., R. 14 E., with $23^{\circ} 21'$ N. set off on the decl. arc and the line of collimation of the main telescope lying in the plane of the meridian, I observe the sun upon the meridian with the solar attachment for latitude and time at cor. No. 1. I obtain a reading of $34^{\circ} 29' 1/2''$ on the lat. arc and note that the sun crossed the 12 M. hour circle of the solar attachment at 12h. 02m. 44s. p.m., watch time. Therefore, my watch is correct. I observe the magnetic declination at cor. No. 1 to be $15^{\circ} 00'$ E. at 8h. 00m. a.m., l.m.t., which gives a mean magnetic declination of $14^{\circ} 56'$ E.

RETRACEMENT

Thence North.

On a random line. From cor. of secs. 23, 24, 25 and 26, T. 13 N., R. 14 E., heretofore described.

44.09 Fall 6 lks. E. of the W. C. 1/4 cor. secs. 23 and 24, which is a sandstone 18 x 12 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. $0^{\circ} 05'$ W.

On true line from cor. secs. 23, 24, 25 and 26, heretofore described.

40.09 Point for 1/4 cor. bet. secs. 23 and 24.

44.09 W. C. 1/4 cor. secs. 23 and 24, heretofore described.

Thence East.

On a random line. From cor. of secs. 23, 24, 25 and 26, T. 13 N., R. 14 E., heretofore described.

39.84 I fall 21 lks. to the South of the 1/4 sec. cor. to secs. 24 and 25, which is a (+) and 1/4 chiseled on an

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to imbedded limestone 3 x 2 x 2 ft. above ground, and
witnessed as described by the Surveyor General.

Return course S. 89° 42' W.

Thence South.

On a random line. From cor. of secs. 23, 24, 25 and
26, T. 13 N., R. 14 E., heretofore described.

35.94 I fall 1 lk. to the W. of the W. C. 1/4 sec. cor. to
secs. 25 and 26, which is a limestone 15 x 15 x 5 ins.
above ground, marked and witnessed as described by the
Surveyor General.

Thence S. 0° 01' E.

On a true line. From cor. to secs. 23, 24, 25 and
26, heretofore described.

35.94 W. C. 1/4 cor. bet. secs. 25 and 26, heretofore de-
scribed.

39.94 Point for 1/4 cor. bet. secs. 25 and 26.

Thence West.

On a random line. From cor. of secs. 23, 24, 25 and
26; T. 13 N., R. 14 E., heretofore described.

39.92 Intersect the 1/4 sec. cor. to secs. 23 and 26, which
is a cross (+) on an imbedded limestone boulder 30 x
10 x 3 ins. above ground, marked and witnessed as de-
scribed by the Surveyor General.

Return course East.

Cor. No. 1.

Which is identical with cor. of secs. 23, 24, 25 and
26, T. 13 N., R. 14 E., at which point I mark (+) for
the point and 1-HES197 on the NE. face of an imbedded
sandstone 18 x 12 x 7 ins. above ground; and raise a

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mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor.,

from which:

A pine, 28 ins. dia., blazed and scribed

1 H E S 197 + B T, bears S. 13° 15' W.,

183 lks.

A pine, 36 ins. dia., blazed and scribed

1 H E S 197 + B T, bears N. 38° 30' W.,

121 lks.

Cor. H-9 of List 3-1954, which is a quartzite

boulder 10 x 6 x 5 ins. above ground, marked

and witnessed as described by the Forest

Service, bears N. 0° 35' E., 4.05 chs. dist.

I destroy cor. H-9 with its witnesses.

Note: The top soil has been washed away and the stone

in place is not the original section corner stone.

Pits impracticable.

Thence West.

Along line between secs. 23 and 26, T. 13 N., R. 14 E.,

over bottom land in undergrowth.

1.17 To cor. No. 2 and a closing cor. on line bet. secs. 23

and 26. I chisel (+) for the point, CC on N. face and

2-HES197 on the NE. face of an imbedded sandstone 28 x

15 x 9 ins. above ground; and raise a mound of stone 2

ft. base, 1-1/2 ft. high, N. of cor., from which:

A pine, 26 ins. dia., blazed and scribed

2 H E S 197 + B T, bears N. 62° 45' E., 41 lks.

A pine, 30 ins. dia., blazed and scribed

2 H E S 197 + B T, bears S. 18° W., 11 lks.

Cor. to secs. 23, 24, 25 and 26, heretofore

described, bears E., 1.17 chs. dist.

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1/4 Sec. Cor. to Secs. 23 and 26, heretofore described bears W., 38.75 chs. dist. Pits impracticable.

Thence N. 9° 53' W.

In Sec. 23. Over bottom land in undergrowth. 4.12 H-8 of List 3-1954 which is a sandstone 14 x 10 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-8 with its witnesses.

14.15 Wire fence bears ESE. and WNW.

16.00 Brush fence bears N. and S.

20.04 To Cor. No. 3.

Identical with cor. H-7 of List 3-1954 which is a sandstone 20 x 20 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-7 with its witnesses; and, for cor. No. 3 of this survey, I set a sandstone 26 x 12 x 5 ins., 16 ins. in the ground, over a marked stone, chiseled (+) at the point and 3-HES197 on the E. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor. from which:

An oak 10 ins. dia. blazed and scribed

3 H E S 197 + B T bears N. 27° 30' E.,

103 lks.

A pine 5 ins. dia., blazed and scribed

3 H E S 197 + B T bears S. 56° 45' E.,

56 lks.

Pits impracticable.

Thence N. 0° 45' E.

Over bottom land in undergrowth.

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6.50	Right bank of Chevalon Creek, 60 lks. wide, banks 3 ft. high, course NE. Leave bottom and ascend along NE. slope 20 ft. in scattering pine timber.
19.94	<p>To Cor. No. 4.</p> <p>Identical with cor. H-6 of List 3-1954 which is a sandstone boulder 14 x 12 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-6 with its witnesses; and, for cor. No. 4 of this survey, I set a sandstone 28 x 9 x 6 ins. 18 ins. in the ground, over a marked stone, chiseled (+) at the point and 4-HES197 on the SE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which:</p> <p>A pine 18 ins. dia. blazed and scribed 4 H E S 197 + B T bears N. 35° 30' W., 6 lks.</p> <p>A pine 24 ins. dia. blazed and scribed 4 H E S 197 + B T bears N. 67° 30' E., 17 lks.</p> <p>Pits impracticable.</p>
2.00	<p>Thence S. 88° 55' E. Descend W. slope 25 ft. in scattering pine timber.</p> <p>Leave slope bears NW. and SE. and continue in bottom.</p>
4.27	<p>To Cor. No. 5.</p> <p>And a closing cor. on line between Secs. 23 and 24. At this point, I set a sandstone 30 x 10 x 9 ins., 20 ins. in the ground, over a marked stone, chiseled (+) at the point, 5-HES197 on the South and CC on the West face and raise a mound of stone 2 ft. base, 1-1/2 ft.</p>

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high W. of cor. from which:

A pine 8 ins. dia., blazed and scribed

C C 5 H E S 197 + B T bears N. 37° 15' W.,

18 lks.

A pine 10 ins. dia., blazed and scribed

C C 5 H E S 197 + B T bears S. 6° 15' E.,

8 lks.

W. C. 1/4 Secs. 23 and 24, heretofore de-

scribed, bears N. 0° 05' W., 4.55 chs. dist.

Cor. to Secs. 23, 24, 25 and 26, heretofore

described bears S. 0° 05' E., 39.54 chs. dist.

Pits impracticable.

Point for 1/4 cor. bears N. 0° 05' W., 55 lks.

Thence S. 88° 55' E.

Over bottom land in undergrowth.

3.95 Left bank Chevalon Creek, 60 lks. wide, banks 3 ft. high,

course N. Ascend W. slope 10 ft.

5.08 To Cor. No. 6.

Identical with cor. H-5 of List 3-1954 which is an imbed-

ded sandstone boulder 30 x 15 x 15 ins. above ground

marked and witnessed as described by the Forest Service.

I destroy cor. H-5 with its witnesses; and, for cor.

No. 6 of this survey, I chisel (+) at the apex and

6-HES197 on the SW. face of the stone previously marked

for H-5, and raise a mound of stone 2 ft. base, 1-1/2

ft. high SW. of cor. from which:

A pine 12 ins. dia., blazed and scribed

6 H E S 197 + B T bears N. 40° E., 36 lks.

A pine 20 ins. dia., blazed and scribed

6 H E S 197 + B T bears N. 81° E., 54 lks.

Pits impracticable.

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	Thence S. 9° 42' W. Descend along SE. slope 5 ft.
4.60	Wire fence bears E. and W. Enter bottom.
13.97	Cor. H-4 of List 3-1954 which is a limestone boulder 26 x 24 x 10 ins. above ground marked and witnessed as described by the Forest Service bears N. 80° 18' W. 35 lks. dist. I destroy cor. H-4 with its witnesses.
26.50	Wire fence bears WNW. and ESE.
27.10	To Cor. No. 7. Identical with cor. H-3 of List 3-1954 which is a sandstone 8 x 8 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-3 with its witnesses; and, for cor. No. 7 of this survey, I set a sandstone 26 x 8 x 6 ins. 16 ins. in the ground, over a marked stone, chiseled (+) at the point and 7-HES197 on the SW. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which: A pine 20 ins. dia. blazed and scribed 7 H E S 197 + B T bears N. 12° E., 121 lks. A pine 25 ins. dia. blazed and scribed 7: H E S 197 + B T bears N. 43° 50' E., 84 lks. Pits impracticable.
	Thence S. 56° 12' E. Over bottom in open.
8.00	Arroyo, 30 lks. wide, banks 8 ft. high, course W.
8.60	To Cor. No. 8. Identical with cor. H-2 of List 3-1954 which is a sandstone 10 x 8 x 4 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor.

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er H-2 with its witnesses; and, for cor. No. 8 of this
. survey, I set a sandstone 30 x 10 x 9 ins., 20 ins.
in the ground, over a marked stone, chiseled (+) at the
point and 8-HES197 on the SW. face, and raise a mound
of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from
which:

A pine 14 ins. dia. blazed and scribed

8 H E S 197 + B T bears N. 44° W., 57 lks.

A pine 28 ins. dia. blazed and scribed

8 H E S 197 + B T bears S. 24° E., 90 lks.

Pits impracticable.

Identical with cor. H-11 of List 3-1954 which is a sand-

stone 12 x 10 x 6 ins. above ground marked and witnessed as described

Over bottom in open. Along wire fence.

3.93 Cor. H-1 of List 3-1954 which is a sandstone 12 x 10 x
6 ins. above ground marked and witnessed as described
by the Forest Service. I destroy cor. H-1 with its
witnesses.

7.98 To Cor. No. 9.

And a closing cor. on line between Secs. 24 and 25, At
this point I set a sandstone 26 x 14 x 5 ins., 16
ins. in the ground, over a marked stone, chiseled
(+) at the point, 9-HES197 on the W., and CC on the
N. face, and raise a mound of stone 2 ft. base, 1-1/2
ft. high N. of cor. from which:

A pine 9 ins. dia. blazed and scribed

9 H E S 197 + B. T bears N. 1° 30' E.,

109 lks.

A pine 28 ins. dia., blazed and scribed

9 H E S 197 + B T bears S. 65° W., 85 lks.

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to 8 . Cor. of Secs. 23, 24, 25 and 26, heretofore
 . and OS . . described bears S. 89° 42' W., 6.48 chs.
 dist. in the ground over a marked stone (+) at the
 1/4 Sec. Cor. to Secs. 24 and 25, heretofore
 . . . described bears N. 89° 42' E., 33.36 chs.
 Pits impracticable.

Thence S. 7° 51' W.
 Leave Sec. 24 and continue in Sec. 25 over bottom land
 in scattering pine timber along wire fence.

5.51 To Cor. No. 10.

Identical with cor. H-11 of List 3-1954 which is a sand-
 stone boulder 18 x 18 x 7 ins. above ground marked
 and witnessed as described by the Forest Service. I
 destroy cor. H-11 with its witnesses; and, for cor.
 No. 10 of this survey, I set a sandstone 27 x 14 x
 6 ins., 17 ins. in the ground, over a marked stone,
 chiseled (+) at the point and 10-HES197 on the NW.
 face and raise a mound of stone 2 ft. base, 1-1/2
 ft. high NW. of cor. from which:

A pine 20 ins. dia., blazed and scribed
 10 H E S 197 + B T bears N. 29° 45' E.,
 75. lks.
 A pine 18 ins. dia., blazed and scribed .
 10 H E S: 197 + B T bears N. 18° 00' E.,
 103 lks.
 Pits impracticable.

Thence N. 81° 20' W.
 Over bottom in open.

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5.79

To Cor. No. 11.

And a closing corner on line between Secs. 25 and 26.

At this point I set a sandstone 28 x 9 x 6 ins., 18 ins. in the ground, over a marked stone, chiseled

(+) at the point, 11-HES197 on the NE. and CC on the E. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor. from which:

A pine 24 ins. dia., blazed and scribed

11 H E S 197 + B T bears S. 37° W., 98 lks.

A pine 5 ins. dia., blazed and scribed

11 H E S 197 + B T bears N. 21° 20' E.,

75 lks.

List Cor. H-10, which is a sandstone 18 x

14 x 8 ins., above ground, marked and wit-

nessed as described by the Forest Service

bears N. 81° 20' W., 67 lks. dist. I destroy

cor. H-10 with its witnesses.

Cor. to Secs. 23, 24, 25 and 26, heretofore

described bears N. 0° 01' W., 4.57 chs.

W. C. 1/4 Secs. 25 and 26, heretofore de-

scribed bears S. 0° 01' E., 31.37 chs. dist.

Point for 1/4 cor. bears S. 0° 01' E., 35.37 chs.

Thence N. 0° 01' W.

Along Sec. line between Secs. 25 and 26. Over bottom in scattering timber.

4.57

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

AREA

Area in Sec. 23. 14.44 Acres

Area in Sec. 24. 14.91 Acres

Area in Sec. 25. 3.07 Acres

Total Area 32.42 Acres

SITGREAVES NATIONAL FOREST

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Chains	DESCRIPTION
	<p>This claim is situated on the N. slope of the Mogollon mesa at an elevation of approximately 6400 ft., and occupies a tract of bottom land along Chevalon Canyon which drains northward.</p> <p>The mesa in this section is heavily timbered and a scattering growth is found upon the hillsides, a few trees of which are included in this survey. Sufficient water for domestic purposes and cattle is obtained from holes along Chevalon Creek, which runs or seeps the entire year and furnishes some water for irrigation.</p> <p>The soil is a sandy loam and gravelly and is adapted to raising small grains and garden. Claimant has raised grain, potatoes and garden. The slopes are stony but those included in this survey are agricultural in character.</p> <p>This section is not known to be mineralized and no mining claims or townsites are known to have been located near this claim.</p> <p>There are no conflicts or adjoining claims. Withdrawal for the Chevalon Ranger Station which occupied the land in Sec. 26 immediately adjoining this homestead has now been released.</p> <p>Heber postoffice is 16 miles in a southeasterly direction and is reached by 25 miles of trail. Winslow railway station is 48 miles by trail and wagon road in a northeasterly direction.</p>
	<p>June 27, 1914.</p>
14.44 Acres	Area in Sec. 23
14.91 Acres	Area in Sec. 24
3.07 Acres	Area in Sec. 25
32.42 Acres	Total Area

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Traverse in Sec. 23.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	West	1.17				1.17
2-3	N. 9° 53' W.	20.04	19.74			3.44
3-4	N. 0° 45' E.	19.94	19.94		0.26	
4-5	S. 88° 55' E.	4.27		0.08	4.27	
5-1	S. 0° 05' E.	39.54		39.54	0.06	
		84.96	39.68	39.62	4.59	4.61
			39.62			4.59
	Error in Lat. and Dep.		0.06			0.02
	Closing error 1:1343					

Traverse in Sec. 24.

Cor.	Course	Dist.	N.	S.	E.	W.
1-5	N. 0° 05' W.	39.54	39.54			0.06
5-6	S. 88° 55' E.	5.08		0.10	5.08	
6-7	S. 9° 42' W.	27.10		26.71		4.57
7-8	S. 56° 12' E.	8.60		4.78	7.15	
8-9	S. 7° 51' W.	7.98		7.91		1.09
9-1	S. 89° 42' W.	6.48		0.03		6.48
		94.78	39.54	39.53	12.23	12.20
			39.53		12.20	
	Error in Lat. and Dep.		0.01		0.03	
	Closing error 1:2997					

Traverse in Sec. 25.

Cor.	Course	Dist.	N.	S.	E.	W.
1-9	N. 89° 42' E.	6.48	0.03		6.48	
9-10	S. 7° 51' W.	5.51		5.46		0.75
10-11	N. 81° 20' W.	5.79	0.87			5.72
11-1	N. 0° 01' W.	4.57	4.57			
		22.35	5.47	5.46	6.48	6.47
			5.46		6.47	
	Error in Lat. and Dep.		.01		.01	
	Closing error 1:1580					

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

Traverse of Entire Tract.

W	Cor.	Course	Dist.	N	S	E	W
11.1	1-2	N. West	1.17	11.1	West	1-2	1.17
14.8	2-3	N. 9° 53' W.	20.04	19.74	W. 83° 00' E.	2-3	3.44
	3-4	N. 0° 45' E.	19.94	19.94	E. 84° 00' W.	3-4	0.26
	4-5	S. 88° 55' E.	4.27		E. 88° 55' W.	4-5	4.27
	5-6	S. 88° 55' E.	5.08		E. 88° 55' W.	5-6	5.08
13.4	6-7	S. 9° 42' W.	27.10	26.71			4.57
4.57	7-8	S. 56° 12' E.	8.60	4.78	7.15		
30.0	8-9	S. 7° 51' W.	7.98	7.91			1.09
	9-10	S. 7° 51' W.	5.51	5.46			0.75
	10-11	N. 81° 20' W.	5.79	0.87			5.72
	11-1	N. 0° 01' W.	4.57	4.57			
			110.05	45.12	45.04	16.76	16.74
				45.04		16.74	
		Error in Lat. and Dep.		0.08		0.02	

Closing error 1:1335.

W	Cor.	Course	Dist.	N	S	E	W
0.06	1-8	N. 0° 08' W.	39.54	39.54	W. 88° 55' E.	1-8	
4.57	2-8	S. 88° 55' E.	80.8	80.8	E. 88° 55' W.	2-8	
	3-7	S. 9° 42' W.	27.10	26.71			
	4-8	S. 56° 12' E.	8.60	4.78	7.15		
1.09	5-9	S. 7° 51' W.	7.98	7.91			
0.75	6-10	S. 7° 51' W.	5.51	5.46			
5.72	7-11	N. 81° 20' W.	5.79	0.87			
18.80	8-1	N. 0° 01' W.	4.57	4.57			
			39.54	39.54	80.8	16.76	16.74
				45.04		0.02	
		Error in Lat. and Dep.		0.01			

Water J. Purley
 Surveyor - Forest Service.

Traverse in Sec. 23.

W	Cor.	Course	Dist.	N	S	E	W
0.75	1-9	N. 89° 43' E.	0.03	0.03	E. 89° 43' W.	1-9	
0.75	2-10	S. 7° 51' W.	5.51	5.46			
	3-11	N. 81° 20' W.	5.79	0.87			
	4-1	N. 0° 01' W.	4.57	4.57			
0.47			39.54	39.54	80.8	16.76	16.74
				45.04		0.02	
		Error in Lat. and Dep.		0.01			

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Detailed Computation.

34° 29' 36" N. Lat. and 110° 50' 11" W. Long., at cor.
No. 1 identical with cor. of Secs. 23, 24,
25 and 26, T. 13 N., R. 14 E., taken
from Special instructions of the Surveyor
General.

Polaris June 26, 1914, at 9h., 05m., p.m., at cor. No. 1.
7h. 10.1m., a.m., Greenwich m.t., U.C.Pol., June 26, 1914.

- 01.2m. sidereal correction
- 7h. 08.9m., a.m., l.m.t., U.C.Pol., June 26, 1914
- 19h. 08.9m. ✓ astron. l.m.t., U.C. Pol., June 25, 1914
- 33h. 05.0m. ✓ astron. l.m.t. obsn., June 25, 1914.
- 13h. 56.1m. ✓ hour angle Pol.
- 23h. 56.1m.
- 10h. 00.0m. time argument

88° 50' 42.9 decl. Pol., June 26, 1914
by interpolation in G.L.O. Ephemeris

$$\frac{4.4}{7.3} \times 1.9 = 01.1 \quad 41.0 \text{ Azimuth} \checkmark$$

0° 41' 00" E., Azimuth of Pol. at obsn.

9h. 20m., p.m., l.m.t., June 26, 1914, Polaris at cor.
No. 1.

- 7h. 10.1m., a.m., Greenwich m.t., U.C.Pol., June 26, 1914
- 1.2m. sidereal correction
- 7h. 08.9m., a.m., l.m.t., U.C.Pol., June 26, 1914
- 19h. 08.9m. ✓ astron. l.m.t., U.C.Pol., June 25, 1914.
- 33h. 20.0m. ✓ astron. l.m.t., obsn., June 25, 1914
- 14h. 11.1m. ✓ hour angle Pol.
- 23h. 56.1m.
- 9h. 45.0m. time argument

88° 50' 42.9 decl. Pol., June 26, 1914
by interpolation in G.L.O. Ephemeris.

$$\frac{3.0}{6.1} \times 1.8 = 0.9 \quad 44.6 \text{ Azimuth}$$

0° 44' 36" E., Azimuth Pol. at obsn. ✓

HOMESTEAD ENTRY SURVEY NO. 136

STATE OF ARIZONA NATIONAL FOREST

STATE OF ARIZONA

Chains	Detailed Computation	Chains																		
	<p>34° 29' 36" N. Lat. and 110° 50' 11" W. Long., at cor. No. 1 identical with cor. of Secs. 23, 24, 25 and 26, T. 13 N., R. 14 E., taken from Special Instructions of the Surveyor General.</p>																			
	<p>Polaris June 26, 1914, at 9h., 05m., p.m., at cor. No. 1. W. 10.1m., a.m., Greenwich m.t., U.C. Pol., June 26, 1914.</p> <table border="0"> <tr> <td>10h. 00.0m.</td> <td>time argument</td> </tr> <tr> <td>13h. 56.1m.</td> <td>hour angle Pol.</td> </tr> <tr> <td>13h. 56.0m.</td> <td>astron. I.m.t., obsn., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>astron. I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>astron. I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>a.m., I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>a.m., I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>1.2m.</td> <td>sidereal correction</td> </tr> <tr> <td>W. 10.1m.</td> <td>a.m., Greenwich m.t., U.C. Pol., June 26, 1914.</td> </tr> </table>	10h. 00.0m.	time argument	13h. 56.1m.	hour angle Pol.	13h. 56.0m.	astron. I.m.t., obsn., June 26, 1914.	19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.	1.2m.	sidereal correction	W. 10.1m.	a.m., Greenwich m.t., U.C. Pol., June 26, 1914.	
10h. 00.0m.	time argument																			
13h. 56.1m.	hour angle Pol.																			
13h. 56.0m.	astron. I.m.t., obsn., June 26, 1914.																			
19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.																			
19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.																			
19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.																			
19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.																			
1.2m.	sidereal correction																			
W. 10.1m.	a.m., Greenwich m.t., U.C. Pol., June 26, 1914.																			
	<p>88° 50' 42.9 decl. Pol., June 26, 1914 by interpolation in G.I.O. Ephemeris</p> $\frac{4.4}{7.8} \times 1.9 = 01.1 \text{ Altitude}$ <p>0° 41' 00" E., Azimuth of Pol. at obsn.</p>																			
	<p>9h. 30m., p.m., I.m.t., June 26, 1914, Polaris at cor. No. 1.</p> <table border="0"> <tr> <td>9h. 45.0m.</td> <td>time argument</td> </tr> <tr> <td>14h. 11.1m.</td> <td>hour angle Pol.</td> </tr> <tr> <td>14h. 11.1m.</td> <td>astron. I.m.t., obsn., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>astron. I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>astron. I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>a.m., I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>19h. 08.9m.</td> <td>a.m., I.m.t., U.C. Pol., June 26, 1914.</td> </tr> <tr> <td>1.2m.</td> <td>sidereal correction</td> </tr> <tr> <td>W. 10.1m.</td> <td>a.m., Greenwich m.t., U.C. Pol., June 26, 1914.</td> </tr> </table>	9h. 45.0m.	time argument	14h. 11.1m.	hour angle Pol.	14h. 11.1m.	astron. I.m.t., obsn., June 26, 1914.	19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	astron. I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.	19h. 08.9m.	a.m., I.m.t., U.C. Pol., June 26, 1914.	1.2m.	sidereal correction	W. 10.1m.	a.m., Greenwich m.t., U.C. Pol., June 26, 1914.	
9h. 45.0m.	time argument																			
14h. 11.1m.	hour angle Pol.																			
14h. 11.1m.	astron. I.m.t., obsn., June 26, 1914.																			
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	<p>88° 50' 42.9 decl. Pol., June 26, 1914 by interpolation in G.I.O. Ephemeris</p> $\frac{3.0}{6.1} \times 1.8 = 0.9 \text{ Altitude}$ <p>0° 44' 36" E., Azimuth Pol. at obsn.</p>																			

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. 197, STATE OF ARIZONA

John J. Weimer-Sitgreaves

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
Sec. 24-1-5	N. 0° 05' W.	39.54	39 54				06	07	2	0
07891	S. 88° 55' E.	5.08		10	5 08		8	08	77	51
16849	S. 9° 42' W.	27.10		26 71	4 57		5	58		149 04
33298	S. 56° 12' E.	8.60		4 78	7 15		8	14		38 91
13558	S. 7° 51' W.	7.98		7 91			14	19		112 24
00524	S. 89° 42' W.	6.48		03			6	62		20
		94.78	39 54	39 53	12 23	12 20		77	2	500 90
			39 53	39 53	12 22	12 22				2 77
	Closing Error 1:2997								Area	298 13
										14 91

T-H.

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 20 , 1917.

The foregoing field notes of Homestead Entry Survey No.

197

executed by Walter G. Turley, Surveyor Forest Service [Forest Service Title.]
under his special instructions, dated June 10 , 1914 having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
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.