

MAY 17 1915

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 178

SITUATED IN THE

----- COCONINO ----- NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 32, -- surveyed, Township 14 N., Range 10 E.

Section 5, unsurveyed, Township 13 N., Range 10 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor-Forest Service.
Under special instructions dated May 15, 1914.
Survey commenced June 6, 1914.
Survey completed June 8, 1914.
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing Hugh K. Fuller,
Residence Pine, Arizona.
Application No. 175, dated August 6, 1910
List No. 3-854, dated November 11, 1910
Applicant for survey Hugh K. Fuller,
Residence Pine, Arizona.
H. E. No. 014799, dated June 29, 1911.
Land district Phoenix, Arizona.

O.K.

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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. 178, in
---surveyed Section 32, Township 14 N., Range 10 E.,
unsurveyed Section 5, Township 13 N., Range 10 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, Chairman.
Charles Baecht, Chairman.

Subscribed and sworn to before me this 12th day of
November, 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
May 15, 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. 3-854, dated Nov. 11, 1910, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 178,
situated within the COCONINO National Forest, in
---surveyed Section 32, Township 14 N., Range 10 E., and
unsurveyed Section 5, Township 13 N., Range 10 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 Dec 1, 1918 R B Ballie
Notary Public



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing Hugh K. Fuller; Application No. 175, dated August 6, 1910; List 3-854, dated November 11, 1910; H. E. No. 014799, made in the Phoenix Land office on June 29, 1911 by Hugh K. Fuller.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 15, 1914 and designated as Homestead Entry Survey No. 178.

Located in Sec. 32, T. 14 N., R. 10 E., and upon unsurveyed land but will probably be, when surveyed, in Sec. 5, T. 13 N., R. 10 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced June 6, 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 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 is adjusted to read 1:132.

All distances are horizontal, and were reduced from measurements made on the slope with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths. The slope angles were determined with a clinometer.

Chains June 6, 1914.

At 9h. 36m., p.m., l.m.t., I observe Polaris at cor. No. 7 of the list survey, which will be cor. No. 7 of this survey, with telescope direct, and mark the direction thus determined with a tack in a stake set 6.00 chs. N. of my station. Lat. $34^{\circ} 33' 42''$. Long. $111^{\circ} 19' 51''$ W., computed from data given in special instructions of the Surveyor General.

Astron. l.m.t. obsn., June 5, 1914,	33h. 36.0m.
Astron. l.m.t. U. C. Pol. June 5, 1914,	20h. 31.1m.
	13h. 04.9m.
	23h. 56.1m.
Hour angle of Polaris at obsn.	10h. 51.2m.

Azimuth of Pol. at obsn. $00^{\circ} 23' 56''$ E.

June 6, 1914.

At 9h. 48m. p.m., l.m.t., I again observe Polaris at cor. No. 7 of the list survey, which will be cor. No. 7 of this survey, with telescope reversed, and mark the direction thus determined with a tack in a stake set 6.00 chs. N. of my station.

Astron. l.m.t., obsn. June 5, 1914,	33h. 48.0m.
Astron. l.m.t., U. C. Pol. June 5, 1914,	20h. 31.1m.
	13h. 16.9m.
	23h. 56.1m.
Hour angle of Polaris at obsn.	10h. 39.2m.

Azimuth of Pol. at obsn. $00^{\circ} 28' 06''$ E.

June 6, 1914.

June 8, 1914.

I set off the Azimuth of Polaris $00^{\circ} 24'$ to the W. from her direction at 9h. 36m. p.m., l.m.t., June 6, 1914, and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 6.00 chs. N. of my station.

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I also set off the Azimuth of Polaris $00^{\circ} 28'$ to the W. from her direction at 9h. 48m. p.m., l.m.t., June 6, 1914, and marked upon the ground as heretofore described, and mark the line thus determined with a tack in a stake set 6.00 chs. N. of my station.

This line falls to the West of the first line by $00^{\circ} 00' 22''$ of measured arc. I mark the mean of these two lines with a tack in a stake set 6.00 chs. N. of my station and to the corresponding meridian all the courses of this survey are referred.

June 8, 1914.

At 8h. 15m., a.m., l.m.t., I set off $22^{\circ} 49-1/2'$ N. on the decl. arc and $34^{\circ} 54'$ on the lat. arc and determine a meridian with the solar at cor. No. 7 of the list survey and my line of sight falls $00^{\circ} 00' 19''$ of measured arc to the W. of the true meridian as established by Polaris observations on June 6, 1914 at cor. No. 7 of the list survey and marked upon the ground as heretofore described. Therefore, I conclude that my transit is in satisfactory adjustment.

At 8h. 30m., a.m., l.m.t., I set off $22^{\circ} 49-1/2'$ N. on the decl. arc and $34^{\circ} 33-1/2'$ on the lat. arc and determine a meridian with the solar at the cor. of secs. 31 and 32, T. 14 N., R. 10 E., G. & S. R. B. & M. which is a post 4 ins. sq. and 2 ft. above ground, and a mound of stone, marked and witnessed as described by the Surveyor General.

Thence East.

40.12 Fall 4 lks. N. of the 1/4 sec. cor. to sec. 32, T. 14 N.,

Chains R. 10 E., which is a post 4 ins. sq. and 3 ft. above ground, and a mound of stone, marked and witnessed as described by the Surveyor General. Return course N. 89° 57' W.

Thence East.

40.08 Fall 4 lks. N. of cor. to secs. 32 and 33, which is a post 4 ins. sq. and 2-1/2 ft. above ground and a mound of stone, marked and witnessed as described by the Surveyor General. Return course N. 89° 57' W.

Cor. No. 1.

Identical with the 1/4 sec. cor. on the S. bdy. of sec. 32, and cor. No. 1 of the list survey, which is a post 4 ins. sq. and 3 ft. above ground, and a mound of stone, as heretofore described. I establish a witness cor. 1 lk. N. of the true point. Set a limestone 30 x 12 x 8 ins. 20 ins. in the ground, and a mound of stone over a marked stone, marked (+) at the point and WC-1-HES178 on the NW. face and CC. on the SW. face, for Witness cor. to cor. No. 1 and a closing cor. on line between secs. 5 and 32, and re-established the mound of stone, 2 ft. base, 1-1/2 ft. high, N. of cor., from which:

- A pine 18 ins. dia., scribed W C 1 H E S 178 + B T, bears S. 19° 30' E., 33 lks. dist.
- A pine 20 ins. dia., scribed W C 1 H E S 178 + B T, bears N. 59° 30' E., 38 lks. dist.

Lat. at cor. No. 1, 34° 33' 22" N. and Long. 111° 20' 02" W., deduced from values given in the special instructions of the Surveyor General.

Chains I observe the magnetic declination at cor. No. 1 to be $15^{\circ} 06' E.$ at 9h. 15m., a.m., l.m.t., which reduced gives a mean magnetic declination of $15^{\circ} 03' E.$

Thence S. $52^{\circ} 42' W.$

Over grass covered bottom, in edge of pine timber.

27.76 To cor. No. 2.

Identical with cor. No. 12 of the list survey, which is a limestone 8 x 8 x 6 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 limestone 25 x 10 x 6 ins., 15 ins. in the ground, over a marked stone, marked (+) at the point and 2-HES178 on the N. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 8 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. N. of cor., from which:

A pine 28 ins. dia., scribed 2 H E S 178 + B T, bears N. $40^{\circ} W.$, 55 lks. dist.

A pine 24 ins. dia., scribed 2 H E S 178 + B T, bears S. $53^{\circ} 10' E.$, 78 lks. dist.

Thence N. $31^{\circ} 30' W.$

Over grass covered bottom.

1.05 Arroyo 25 lks. wide, banks 2 ft. high, course NE.

5.03 Wire fence, bears NE. and SW.

5.04 To cor. No. 3.

Identical with cor. No. 11 of the list survey, which is a limestone 12 x 4 x 10 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 limestone 26 x 14 x 7 ins., 16 ins. in the

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Chains
 ground, over a marked stone, marked (+) at the point
 and 3-HES178 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 40 ins. dia., scribed 3 H E S 178 + B T,
 bears S. 42° 30' W., 12' lks. dist.
 A pine 30 ins. dia., scribed 3 H E S 178 + B T,
 bears N. 42° 15' W., 147 lks. dist.
 Cor. No. 2, H. E. S. 88, A. E. Fuller, bears
 S. 86° 40' W., 3.47 chs. dist.

Thence N. 55° 37' E.
 Over grass covered bottom, along edge of timber.

19.01 Wire fence, bears NE. and SW.

22.16 To cor. No. 4, and a closing corner on S. bdy. sec. 32,
 T. 14 N., R. 10 E.
 From which, cor. No. 10 of the list survey, which is
 a limestone 6 x 6 x 6 ins. above ground, marked and
 witnessed as described by the Forest Service, bears
 S. 04° 10' W., 48 lks. dist. I destroy all trace of
 the list cor. and at the point determined by me which
 is N. 04° 10' E., 48 lks. dist. from the list. cor.
 I set a limestone 25 x 10 x 5 ins., 15 ins. in the
 ground, over a marked stone, marked (+) at the point,
 4-HES178 on the SE. face, and CC. on the SW. face; X
 and raise a mound of stone 2 ft. base, 1-1/2 ft. high,
 SW. of cor., from which:
 A pine 14 ins. dia., scribed 4 H E S 178 + B T,
 bears N. 21° W., 45 lks. dist.
 A pine 14 ins. dia., scribed 4 H E S 178 + B T,
 bears N. 36° 20' W., 52 lks. dist.
 Cor. of secs. 31 and 32, T. 14 N., R. 10 E.,
 G. & S. R. B. & M., heretofore described,
 bears N. 89° 57' W., 33.66 chs. dist.

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Chains	<p>1/4 cor. of sec. 32, T. 14 N., R. 10 E., G. & S. R. B. & M., heretofore described, bears S. 89° 57' E., 6.46 chs. dist.</p>
	<p>Thence N. 27° 34' E.</p> <p>Leave sec. 5, T. 13 N., R. 10 E., and continue in sec. 32, T. 14 N., R. 10 E. Over grass covered bottom land, along edge of timber.</p> <p>1.20 Wire fence, bears NE. and SW.</p> <p>5.00 Wire fence, bears N. and S.</p> <p>15.75 Wire fence, bears NE. and SW.</p> <p>18.10 Flagstaff-Tonto Basin road, bears NE. and SW.</p> <p>20.47 To cor. No. 5.</p> <p>Identical with cor. No. 9 of the list survey, which is a limestone 10 x 5 x 6 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 limestone 24 x 12 x 5 ins., 14 ins. in the ground, over a marked stone, marked (+) at the point and 5-HES178 on the E. face for cor. No. 5; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, E. of cor., from which:</p> <p style="padding-left: 40px;">A pine 14 ins. dia., scribed 5 H E S 178 + B T, bears S. 49° W., 32 lks. dist.</p> <p style="padding-left: 40px;">A pine 24 ins. dia., scribed 5 H E S 178 + B T, bears N. 68° W., 46 lks. dist.</p>
	<p>Thence N. 14° 00' E.</p> <p>Over grass covered bottom, in edge of timber.</p> <p>1.50 Flagstaff-Tonto Basin road, bears NNW. and SSE.</p> <p>2.80 Wire fence, bears NNW. and SSE.</p> <p>3.30 Wire fence, bears NNE. and SSW.</p> <p>6.10 Flagstaff-Tonto Basin road, bears NNE. and SSW.</p>

Chains
10.42

To cor. No. 6.

Identical with cor. No. 8 of the list survey which is a limestone 8 x 4 x 10 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 limestone 24 x 8 x 6 ins., 14 ins. in the ground, over a marked stone, marked (+) at the point and 6-HES178 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:

A pine 30 ins. dia., scribed 6 H E S 178 + B T, bears N. 59° W., 24 lks. dist.

A pine 20 ins. dia., scribed 6 H E S 178 + B T, bears N. 46° 40' E., 51 lks. dist.

Thence N. 72° 17' E.

Over grass covered bottom.

0.45 Flagstaff-Tonto Basin road, bears N. and S.

9.00 To cor. No. 7.

Identical with cor. No. 7 of the list survey, which is a limestone 12 x 3 x 8 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 limestone 28 x 16 x 7 ins., 18 ins. in the ground, over a marked stone, marked (+) at the point and 7-HES178 on the S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor., from which:

A pine 12 ins. dia., scribed 7 H E S 178 + B T, bears N. 03° 00' W., 61 lks. dist.

A pine 18 ins. dia., scribed 7 H E S 178 + B T, bears N. 78° 00' E., 79 lks. dist.

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Chains Clint's well, 5 ft. dia., and 19 ft. deep, bears
N. 12° 15' W., 2.72 chs. dist.
Cor. No. 4, H. E. S. 97, H. E. No. 06416, Silous
Travis Hough, bears N. 09° 25' E., 7.03 chs.
dist.

Thence S. 82° 10' E.

Over grass covered bottom, along edge of timber.

- 3.75 Wire fence, bears NE. and SW.
- 4.60 Enter cultivated land, bears NE. and SW.
- 17.86 To cor. No. 8.

Identical with cor. No. 6 of the list survey, which
is a limestone 8 x 4 x 8 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 limestone 26 x 9 x 8 ins., 16 ins. in
the ground, over a marked stone, marked (+) at the
point and 8-HES178 on the W. face for cor. No. 8; and
raise a mound of stone 2 ft. base, 1-1/2 ft. high,
W. of cor., from which:

A pine 32 ins. dia., scribed 8 H E S 178 + B T,
bears N. 42° E., 11 lks. dist.

A pine 24 ins. dia., scribed 8 H E S 178 + B T,
bears S. 33° 50' E., 98 lks. dist.

Thence S. 83° 55' W.

Over cultivated bottom, in open.

- 13.00 Wire fence, bears NW. and SE. Leave cultivated land
and continue over meadow land.
- 19.00 Enter cultivated land, bears N. and S.
- 20.58 To cor. No. 9.

Identical with cor. No. 5 of the list survey, which
is a limestone 10 x 5 x 8 ins. above ground, marked

Chains and witnessed as described, by the Forest Service.
I destroy all trace of the list cor. and at this point I set a limestone 24 x 10 x 5 ins., 14 ins. in the ground, over a marked stone, marked (+) at the point and 9-HES178 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 14 ins. dia., scribed 9 H E S 178 + B T, bears S. 37° E., 36 lks. dist.

A pine 20 ins. dia., scribed 9 H E S 178 + B T, bears S. 10° E., 33 lks. dist.

Thence S. 16° 40' W.

Over cultivated bottom, in open.

8.04 To cor. No. 10.

Identical with cor. No. 4 of the list survey, which

is a limestone 8 x 8 x 8 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 limestone 26 x 9 x 6 ins., 16 ins.

in the ground, over a marked stone, marked (+) at

the point and 10-HES178 on the W. face; and raise

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

cor., from which:

A pine 28 ins. dia., scribed 10 H E S 178 + B T, bears S. 24° 45' W., 117 lks. dist.

A pine 26 ins. dia., scribed 10 H E S 178 + B T, bears S. 59° 20' E., 117 lks. dist.

Thence S. 41° 15' W.

Over cultivated bottom, in open.

2.50 Leave cultivated land, bears E. and W. Continue over meadow land.

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STATE OF ARIZONA

Chains
10.40

To cor. No. 11.

Identical with cor. No. 3 of the list survey, which is a limestone 5 x 5 x 6 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 limestone 26 x 12 x 10 ins., 16 ins. in the ground, over a marked stone, marked (+) at the point and 11-HES178 on the W. face for cor. No. 11; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, W. of cor., from which:

A pine 22 ins. dia., scribed 11 H E S 178 + B T,
bears S. 77° 45' E., 97 lks. dist.

A pine 12 ins. dia., scribed 11 H E S 178 + B T,
bears N. 74° E., 112 lks. dist.

Thence S. 16° 26' E.

Over grass covered bottom, in edge of timber.

11.29 To cor. No. 12 and a closing corner on S. bdy. sec. 32,
T. 14-N., R. 10-E., G. & S. R. B. & M.

From this point list cor. No. 2, which is a limestone 8 x 6 x 8 ins., above ground, marked and witnessed as described by the Forest Service, bears S. 16° 26' E.,

80 lks. dist. I destroy all trace of the list cor.

and at the point determined by me for cor. No. 12, I

set a limestone 26 x 9 x 8 ins., 16 ins. in the ground,

over a marked stone, marked (+), at the point, 12-HES178

on the NW. face and CC. on the NNW. face for cor. No.

12 and a closing corner on S. bdy. sec. 32; and raise

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

cor., from which:

A pine 5 ins. dia., scribed 12 H E S 178 + B T,
bears N. 36° 20' E., 49 lks. dist.

Chains A pine 7 ins. dia., scribed 12 H E S 178 + B T,
bears S. 56° 50' E., 61 lks. dist.
1/4 cor. on S. bdy. sec. 32, T. 14 N., R. 10 E.,
heretofore described, bears N. 89° 57' W., 5.27
chs. dist.
Cor. to secs. 32 and 33, T. 14 N., R. 10 E., here-
tofore described, bears S. 89° 57' E., 34.81
chs. dist.

Thence N. 89° 57' W.

Along S. bdy. of sec. 32, T. 14 N., R. 10 E., over
meadow land, in open:

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

Note: The sun was obscured at apparent noon, therefore
latitude observation was not possible.

AREA

Area in Sec. 5	-----	11.02 acres
Area in Sec. 32	-----	<u>22.56</u> acres
Total area	-----	33.58 acres

June 8, 1914.

IMPROVEMENTS.

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

A one story log house, 24 x 24 ft., the long side of
which bears N. and S. and the NW. cor. of which bears
S. 34° 30' E., 80 lks. dist. from cor. No. 7.

Value ----- \$200.00

Approximately 1-1/2 miles of wire fence, the majority
of which is on the outside of the claim.

Value ----- \$150.00

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Chains

Approximately 5 acres of plowed land.

Value ----- \$15.00

DESCRIPTION.

This claim is situated in Long Valley on the N. slope of the Mogollon Mesa, at an elevation of approximately 7300 ft. The land is level with a gentle North slope. There is a heavy stand of timber in this vicinity and a fringe is included within this survey. The soil is a black loam and very fertile. There seems to be an abundance of sub-surface water at a depth of from 20 to 25 feet, for domestic purposes. Crops are raised without irrigation. I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

H. E. S. No. 88, H. E. 06415, A. E. Fuller lies a short distance SW. of this claim, and H. E. S. No. 97, H. E. 06416, Silous Travis Hough, lies a short distance N. of this claim.

Pine postoffice is 19 miles by trail and 27 miles by wagon road, in a Southwesterly direction. Flagstaff, on the Santa Fe railroad, is 69 miles in a Northerly direction.

TRAVERSE IN SEC. 5.

Cor.	Course	Dist.	N	S	E	W
1-2	S. 52° 42' W.	27.76		16.82		22.08
2-3	N. 31° 30' W.	5.04	4.30			2.63
3-4	N. 55° 37' E.	22.16	12.51		18.29	
4-1	S. 89° 57' E.	6.46		0.01	6.46	
		61.42	16.81	16.83	24.75	24.71
				16.81	24.71	
	Error in Lat. and Dep.			.02	.04	

Closing error 1:1373.

Chains	TRAVERSE IN SEC. 32.					
Cor.	Course	Dist.	N	S	E	W
1-4	N. 89° 57' W.	6.46	0.01			6.46
4-5	N. 27° 34' E.	20.47	18.15		9.47	
5-6	N. 14° 00' E.	10.42	10.11		2.52	
6-7	N. 72° 17' E.	9.00	2.74		8.57	
7-8	S. 82° 10' E.	17.86		2.43	17.69	
8-9	S. 83° 55' W.	20.58		2.18		20.46
9-10	S. 16° 40' W.	8.04		7.70		2.31
10-11	S. 41° 15' W.	10.40		7.82		6.86
11-12	S. 16° 26' E.	11.29		10.83		3.19
12-1	N. 89° 57' W.	5.27				5.27
		119.79	31.01	30.96	41.44	41.36
			30.96		41.36	
	Error in Lat. and Dep.		.05		.08	
	Closing error 1:1270.					

Walter G. Purley
Surveyor - Forest Service.

THE COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Detailed Computation.

Lat. $34^{\circ} 33' 22''$ N., Long. $111^{\circ} 19' 30''$ W., at S. E. cor. sec. 32., taken from Surveyor General's special instructions.

$$\frac{31.05}{80.00} \times 0'.870 = 0'.3375 \times 60 = 20''.25.$$

Lat. at cor. 7 = $34^{\circ} 33' 42''$ N.

$$\frac{25.98}{480.00} \times 6' 18''.8 = 20''.50.$$

Long. at cor. 7 = $111^{\circ} 19' 51''$.

Polaris obsn. June 6, 1914 at 9h. 36m., p.m., l.m.t.

Greenwich m.t. U.C. Pol., June 6, 1914, 8h. 32.3m.

Siderial correction, 1.2m.

8h. 31.1m.

Ast. l.m.t. U. C. Pol., June 5, 1914, 20h. 31.1m.

Ast. l.m.t., June 5, 1914, 33h. 36.0m.

13h. 04.9m.

23h. 56.1m.

Time argument, 10h. 51.2m.

Decl. of Pol. $88^{\circ} 50' 44''.2$.

$$\text{Time ratio} = \frac{.94}{5.40} \cdot \frac{.94}{5.40} \times 1.9' = .33'.$$

$24.27' - .33' - 23'.94 = 00^{\circ} 23' 56''$ E., Azimuth of Pol. at obsn.

Polaris obsn. June 6, 1914, at 9h. 48m., p.m., l.m.t.

Ast. l.m.t., U. C. Pol., June 5, 1914, 20h. 31.1m.

Ast. l.m.t., obsn., June 5, 1914, 33h. 48.0m.

13h. 16.9m.

23h. 56.1m.

Time argument, 10h. 39.2m.

Decl. of Pol., $88^{\circ} 50' 44''.2$.

$$\text{Time ratio} = \frac{5.18}{5.50} \cdot \frac{5.18}{5.50} \times 1.9' = 1.8'.$$

$29.9' - 1.8' = 28.1' = 00^{\circ} 28' 06''$ E., Azimuth of Pol. at obsn.

T. H.

NATIONAL FOREST

STATE OF ARIZONA

Chains	Detailed Description	Chains
	<p>Lat. 34° 33' 23" N., Long. 111° 19' 50" W., at S. corner of section 36, T2N, R10E, 1st 40' strip of section 36.</p> <p>Directions.</p> <p>1.05 x 0.875 = 0.89875 x 50 = 44.9375</p> <p>Lat. of cor. V = 34° 33' 23" N.</p> <p>28.95 x 0.1578 = 4.56219</p> <p>Long. at cor. V = 111° 19' 51" W.</p>	
	<p>Polaris obs. June 9, 1914 at 9A. 30m., P.M., 1.1.1.</p> <p>Greenwich M.T. 11.3. 1914, June 9, 1914, 1.1.1.</p> <p>Sidereal correction.</p> <p>Asst. I.M.T. W. C. Pol., June 9, 1914, 1.1.1.</p> <p>Asst. I.M.T. June 9, 1914, 1.1.1.</p> <p>Time argument.</p> <p>Decl. of Pol. 88° 50' 44" S.</p> <p>Time ratio = $\frac{2.94}{2.40} \times 1.9' = .83'$</p> <p>24.27' - .83' = 23.44' - 23.44' = 00° 23' 52" N., azimuth of Pol. at obs.</p>	
	<p>Polaris obs. June 9, 1914 at 9A. 45m., P.M., 1.1.1.</p> <p>Asst. I.M.T. W. C. Pol., June 9, 1914, 1.1.1.</p> <p>Asst. I.M.T. June 9, 1914, 1.1.1.</p> <p>Time argument.</p> <p>Decl. of Pol. 88° 50' 44" S.</p> <p>Time ratio = $\frac{2.18}{2.30} \times 1.9' = 1.8'$</p> <p>23.9' - 1.8' = 22.1' = 00° 22' 05" N., azimuth of Pol. at obs.</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 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. 178, STATE OF ARIZONA - COCONINO. Hugh K. Fuller.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-4	N. 89° 57' W.	6.46	0.01			6.46	0.06		
4-5	N. 27° 34' E.	20.47	18.15 ⁴		9.47 ⁶	9.46	171.60		
5-6	N. 14° 00' E.	10.42	10.11 ⁰		2.52 ¹	21.43	216.44		
6-7	N. 72° 17' E.	9.00	2.74		8.57 ⁶	32.50	89.05		
7-8	S. 82° 10' E.	17.86		2.43 ⁴	17.69 ⁸	58.74		143.33	
8-9	S. 83° 55' W.	20.58		2.18 ⁹	20.46 ⁷	55.95		122.53	
9-10	S. 16° 40' W.	8.04		7.70	2.31 ²	33.16		255.33	
10-11	S. 41° 15' W.	10.40		7.82	6.86 ⁷	23.97		187.44	
11-12	S. 16° 26' E.	11.29		10.83 ⁴	3.19 ⁸	20.28		219.84	
12-1	N. 89° 57' W.	5.27			5.27	18.19			
								477.15	928.47
									477.15
									451.32
								Area -	22.56
									T. A.
Closing error - 1:1270.									

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COBSEB	BEYBING	DIBAVAGE	SADLITL			DEBVALIBER		DOBBIE "D"	M. VBEVE	S. VBEVE
			Zambur	Solank	Eyay	Mbar				
4-1	11. 00. 00	04. 00	10. 00	08. 00	04. 00	03. 00	04. 00	00. 00		
3-4	11. 00. 00	04. 00	10. 00	08. 00	04. 00	03. 00	04. 00	00. 00		
3-3	11. 00. 00	04. 00	10. 00	08. 00	04. 00	03. 00	04. 00	00. 00		
3-2	11. 00. 00	04. 00	10. 00	08. 00	04. 00	03. 00	04. 00	00. 00		
3-1	11. 00. 00	04. 00	10. 00	08. 00	04. 00	03. 00	04. 00	00. 00		

REPLYING YMD QVIGLITLAD QM SMOITATIONS QM HOMESLEAD BALLE YELLY SWEVEY MO SMI . STATE OF MARYLAND - ANNAPOLIS - MARYLAND

And heretofore the said... (mirrored text)

... (mirrored text)

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 G. L. O.

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CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 52° 42' W.	27.76		Section 5. 16.82		22.08	27.56		459.92
2-3	N. 31° 30' W.	5.04	4.30		2.63		2.63	11.31	
3-4	N. 55° 37' E.	22.16	12.51		18.29		18.27	228.74	
4-1	S. 89° 57' E.	6.46	0.01		6.46		43.00		.43
		61.42	16.81	16.83	24.75	24.71		240.05	460.35
			16.82	16.82	24.73	24.73			240.05
	Closing error - 1:1373.							Area -	220.30
32 & 33	N. 89° 57' W.	40.08	0.04			40.08			11.02
1 - 4	N. 89° 57' W.	6.46	0.01			6.46			
4 - 5	N. 27° 34' E.	20.47	18.15		9.47				
5 - 6	N. 14° 00' E.	10.42	10.11		2.52				
6 - 7	N. 72° 17' E.	9.00	2.74		8.57				
		86.43	31.05	00.00	20.56	46.54			
			00.00		20.56	20.56			
			31.05		25.98	25.98			

T. A.

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE ON THE PROGRESS OF THE SURVEY OF THE PUBLIC LANDS IN THE STATE OF TEXAS FOR THE YEAR 1880

SECTION	TOWNSHIP	RANGE	ACRES		TOTAL	REMARKS
			Original	Subsequent		
30.11	10.11	10.11	30.11	30.11	60.22	
29.11	10.11	10.11	29.11	29.11	58.22	
28.11	10.11	10.11	28.11	28.11	56.22	
27.11	10.11	10.11	27.11	27.11	54.22	
26.11	10.11	10.11	26.11	26.11	52.22	
25.11	10.11	10.11	25.11	25.11	50.22	
24.11	10.11	10.11	24.11	24.11	48.22	
23.11	10.11	10.11	23.11	23.11	46.22	
22.11	10.11	10.11	22.11	22.11	44.22	
21.11	10.11	10.11	21.11	21.11	42.22	
20.11	10.11	10.11	20.11	20.11	40.22	
19.11	10.11	10.11	19.11	19.11	38.22	
18.11	10.11	10.11	18.11	18.11	36.22	
17.11	10.11	10.11	17.11	17.11	34.22	
16.11	10.11	10.11	16.11	16.11	32.22	
15.11	10.11	10.11	15.11	15.11	30.22	
14.11	10.11	10.11	14.11	14.11	28.22	
13.11	10.11	10.11	13.11	13.11	26.22	
12.11	10.11	10.11	12.11	12.11	24.22	
11.11	10.11	10.11	11.11	11.11	22.22	
10.11	10.11	10.11	10.11	10.11	20.22	
9.11	10.11	10.11	9.11	9.11	18.22	
8.11	10.11	10.11	8.11	8.11	16.22	
7.11	10.11	10.11	7.11	7.11	14.22	
6.11	10.11	10.11	6.11	6.11	12.22	
5.11	10.11	10.11	5.11	5.11	10.22	
4.11	10.11	10.11	4.11	4.11	8.22	
3.11	10.11	10.11	3.11	3.11	6.22	
2.11	10.11	10.11	2.11	2.11	4.22	
1.11	10.11	10.11	1.11	1.11	2.22	

The above table shows the progress of the survey of the public lands in the State of Texas for the year 1880. It is to be noted that the survey of the public lands in the State of Texas is a very important and difficult task, and it is to be hoped that the progress shown in the above table will be a satisfactory one to the public. The survey of the public lands in the State of Texas is a very important and difficult task, and it is to be hoped that the progress shown in the above table will be a satisfactory one to the public.

APPROVAL

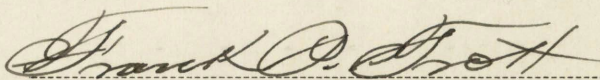
Office of the United States Surveyor General,

Phoenix, Arizona, April 12, 1916.

The foregoing field notes of Homestead Entry Survey No.

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executed by Walter G. Turley, Surveyor-Forest Service
under his special instructions, dated May 15, 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.


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 P. Trott
U. S. Surveyor General.