0

0

U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

MAI. 17.7015

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 178

SITUATED IN THE

GOCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3....

in

Section.	32 ,	surv	eyed,	Township	14 N.	Range.	10 E	•
 Section	5.	unsurv	eyed,	lownship	13 N.,	Range	10 E	•
 			\$100 time 61%				n-m 6600	E014 SJEE
	800 AND NOT							
			of t	he				

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,	lated August 6	, 19_10
List No. 3-854 , dated	November 11	, 19.10
Applicant for survey	Hugh K. Fuller,	
Residence	Pine, Arizona.	
H. E. No. 014799 , dated	June 29, 1911.	301110
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. 178, insurveyed 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 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 expensive and inconvenient to appear before an officer to administer oaths to Assistants, hence, they were taken by the Surveyor.
Subscribed and sworn to before me thisday of
november, 19/4. Watter q. Turlief
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 forArizona, datedMay 15, 1914, 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 ambraced in List, No. 3-854 dated Nov. 11, 1910, for Patent, under the Act ofJune_11, 1906, the same to be known as Homestead Entry Survey No178, situated within theCOCONINO National Forest, insurveyed Section 32, Township 14 N., Range10 E, and unsurveyed Section 5, Township 13 N., Range10 E, and unsurveyed Section 5, Township 13 N., Range10 E, 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.
Mathy factory
Surveyor-Forest Service.
Subscribed and sworn to before me this day of
Men commission ripher thile, 1918-R13 Callie
SEAL. 8-2249 Solary Carblia

.1.

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,

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.

tate um lo . Il . one oo. o tee electr

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° 33' 42".

Long. 111° 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.lm.

13h. 04.9m.
23h. 56.lm.

Hour angle of Polaris at cbsn. 10h. 51.2m.

June 6, 1914.

At 9h. 48m. p.m., 1.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. 1.m.t., obsn. June 5, 1914, 33h. 48.0m.

Astron. 1.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.

Hour angle of Polaris at obsn. 10

Azimuth of Pol. at obsn. 00° 28' 06" E.

June 6, 1914.

June 8, 1914.

I set off the Azimuth of Polaris 00° 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.

3.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

I also set off the Azimuth of Polaris QO° 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° 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° 49-1/2' N. on the decl. arc and 34° 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° 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., 1.m.t., I set off 22° 49-1/2' N.

on the decl. arc and 34° 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 1ks. N. of the 1/4 sec. cor. to sec. 32, T. 14 N.,

COCONINO NATIONAL FOREST

STATE OF ARIZONA

tack the a ptake set 6.00 cms. W. of my station.

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.

40.08

Thence East. Old To Tant out of affair

O8 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 c'or., from which:

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

5.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains I observe the magnetic declination at cor. No. 1 to be 15° 06' E. at 9h. 15m., a.m., 1.m.t., which reduced gives a mean, magnetic declination of 15° 03' E.

Over grass covered bottom, in edge of pine timber.

27.76

To cor. No. 2. Tel .. 'SI PSA . Teland

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° W., 55 lks. dist.

> A pine 24 ins. dia., scribed 2 H E S 178 + B T, bears S. 53° 10' E., 78 lks. dist.

Thence N. 31° 30' W.

Over grass covered bottom.

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

Wire fence, bears NE. and SW. 5.03

To cor. No. 3. 5.04

> 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

COCONINO NATIONAL FOREST

STATE OF ARIZONA

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, the second s

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,

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; 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.,

bears N. 89° 57' W., 33.66 chs. dist.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

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.

Thence N. 27° 34' E.

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.

- 1.20 Wire fence, bears NE. and SW.
- 5.00 Wire fence, bears N. and S.
- 15.75 Wire fence, bears NE. and SW.
- 18.10 Flagstaff-Tonto Basin road, bears NE. and SW.
- 20.47 To cor. No. 5.

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:

A pine 14 ins. dia., scribed 5 H E S 178 + B T, bears S. 49° W., 32 lks. dist.

A pine 24 ins. dia., scribed 5 H E S 178 + B T, bears N. 68° W., 46 lks. dist.

Thence N. 14° 00' E.

Over grass covered bottom, in edge of timber.

- 1.50 Flagstaff-Tonto Basin road, bears NNW. and SSE.
- 2.80 Wire fence, bears NNW. and SSE.
- 3.30 Wire fence, bears NNE. and SSW.
- 6.10 Flagstaff-Tonto Basin road, bears NNE. and SSW.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

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.

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

9.00 To cor. No. 7.

0.45

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.

9.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

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. : Moldw Mont .. 100

Over grass covered bottom, along edge of timber.

-1 .ezed . T & exect ne

Wire fence, bears NE. and SW. 3.75

Enter cultivated land, bears NE. and SW. 4.60

To cor. No. 8. 17.86

> 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 Serivce. 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 1ks. dist.

A pine 24 ins. dia:, scribed 8 H E S 178 + B T, bears S. 33° 50' E., 98 1ks. dist.

Thence S. 83° 55' W.

Over cultivated bottom, in open.

Wire fence, bears NW: and SE. Leave cultivated land 13.00 and continue over meadow land.

Enter cultivated land, bears N. and S. 19.00

To cor. No. 9. . He to the , Mother beder better 20.58

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

Chains

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.º 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. Jest and to see 1

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. graed , back hodavid

Over cultivated bottom, in open.

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

8-2240

-11.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Charins 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.

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.

Thence S. 16° 26' E.

HOMESTEAD ENTRY SURVEY NO. 178 COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

A pine 7 ins. dia., scribed 12 H E S 178 + B T, bears S. 56° 50' E., 61 1ks. 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:

oosi .W out to SMISSING on the W. face

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

as being ground, marked and wither ed as

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

AREA . 188 881 . R come

Area in Sec. 5 - - - - - - - - - - - - - 11.02 acres

Area in Sec. 32 - - - - - - - - - - - - 22.56 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.

00223 D. 50° 20' G., Av 120. 13t.

Value .---- \$150.00

-2349

COCONINO NATIONAL FOREST

STATE OF ARIZONA

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.

					TRAVER	SE IN S	EC. 5.		
Cor.		Cour	se		Dist.	N	S	E	W
1-2	s.	52°	421	W.	27.76		16.82		22.08
2-3	N.	31°	30'	W.	5.04	4.30			2.63
3-4	N.	55°	371	E.	22.16	12.51		18.29	
4-1	s.	89°	571	E.	6.46	16.81			24.71
Erro	r i	n La	t. a	nd D	ep.		.02	.04	
Clos	ing	err	or 1	:137	3.				

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains		· TRAVER	SE IN SEC. 32.	v.FetaninouguA	Palisab
0	· 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	
9.70	5-6 N	. 14° 00' E.	10.42 10.11	2.52	
-etah	6-7 N	. 72° 17' E.	9.00 2.74	8.57	
Hir	7-8 S	. 82° 10° E.	17.86	- 2.43 17.69	
247 8	8-9 S	. 83° 55' W.	20.58	2.18.	20.46
e.y.e	9-10 S.	. 16° 40' W.	8.04	7.70	2.31
PE	10-11· s.	. 41° 15' W.	10.40	7.8240 0.0	6.86
3	11-12 S.	. 16° 26' E.	11.29	10.83 3.19	
. 40	12-1 N.		5.27		5.27
-qi	on mas I	.nontagren	30.96	30.96 41.44 41.36	41.36
		Lat. and Dep	.05	.08	
	Closing e	error 1:1270.			

CONTROL OF AUDITORS OF ACCUSE.

wason road, in a neutrockerily circulton. Fin start

on the Sante De realroad, is of males in a confering

Dist. I

6. 02°-42'-7'. 27.76 ' - 116.02

H. EI ED W. 8.04 4.50

1. 55° 571 d. 22.196 17.61

Nathry. Yusley.

Surveyor - Forest Service.

garrob . rot

irror in Lat. and Dep.

W. STEE: P doute paleof

COCONINO NATIONAL FOREST

STATE OF ARIZONA:

Chair	ns	
		Tat

Detailed Computation.

. 34° 33' 22" N., Long. 111° 19' 30" W., at S. E. cor. sec. 32., taken from Surveyor General's special instructions.

 $31.05 \times 0'.870 = 0'.3375 \times 60 = 20".25.$

Lat. at cor. 7 = 34° 33' 42" N.

 $25.98 \times 6' 18".8 = 20".50.$ 480.00

Long. at cor. 7 = 111° 19' 51".

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

Greenwich m.t. U.C. Pol., June 6, 1914,

8h. 32.3m.

Siderial correction,

Ast. 1.m.t. U. C. Pol., June 5, 1914, Ast. 1.m.t., June 5, 1914,

8h. 31.1m. 20h. 31.1m. 33h. 36.0m. 13h. 04.9m.

1.2m.

Time argument,

23h. 56.1m. 10h. 51.2m.

Decl. of Pol. 88° 50' 44".2.

Time ratio = $\frac{.94}{5.40}$ · $\frac{.94}{5.40}$ x 1.9' = .33'.

24.27' - .33' - 23'.94 = 00° 23' 56" E., Azimuth of Pol. at obsn.

Polaris obsn. June 6, 1914, at 9h. 48m., p.m., 1.m.t.

Ast. 1.m.t., U. C. Pol., June 5, 1914, 20h. 31.1m. Ast. 1.m.t., obsn., June 5, 1914,

33h. 48.0m.

13h. 16.9m.

Time argument,

23h. 56.lm. 10h. 39.2m.

Decl. of Pol., 88° 50' 44".2.

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

29.9' - 1.8' = 28.1' = 00° 28' 06" E., Azimuth of Pol. at obsn.

T. Fl.

Form 85. Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains Lat. 249 58 28" M., Lon. . 411 2 19 80 94 ., st 8. c. oz., takon i on kayyor havori'g anec ereittestrone. .8s. 79 = 05 x 878s, 10 = 678. 10 x 80.1 Lat. of obe. 7 = 800 Eg. Lon I. 00.89 x 61 167.8 = 8.00.80. bong. St cos. 7 - 111 of Bit. Politic open. June 0, 1914 at 98. Sen., p Greenich m.t. M.C. Col., Dung M., 1914, Sh. Miderial coursenion, Ast. d.u.t. dune 5, 1915, June b, 1914, time argument, Decl. of Pol. 88° 80' 44".8. . 160. = 10.1 x 20. . At. = oligi entr 20 dimmina ... 152 'ES '800 = A9. 'CS - 'CC. - 'YS.4S lol. at oism. Polaris olan. June U, 1914, or ab. 48m., Ast. 1.m.t., T. C. 201., June B, 1914, 201. . 188 , the organ of EC Decl. of Fol., 38° 80' 44". 2. ". .18.1 = '8.1 ± 81.8 .81.6 = older ent? To primite ... "30 '88 '000 = '1.88 = '8.1 - '0.88 . mado te . 103

Form 85. Sheet No. 3.

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected 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.

4. Only three of	4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.	re necessary, for the	District Office, th	ne Surveyor General	l, and the Commission		d am sen or namha	Surveyors are required to use the Standard Field Tables Issued by G. L. O.	ed by G. L. O.	
TABLING AND	D CALCULATIONS	OF HOMESTEAD	EAD ENTRY	SURVEY NO.	178	, STATE O	OF. ARIZONA	- COCONINO.	Hugh K. Fuller.	
CORNERS.	BEARING.	DISTANCE.	LATE	LATITUDES.	DEPARTURES	TURES.	DOTTREE M. D.	N ABEAAS	C ADEAG	
			Nовтн.	South.	EAST.	West.			D. ANDAD.	
				Section	(N					
1-4	N. 89° 57' W.	6.46	0.01			6.46	6.46	90.0		
4-5	N. 27° 34' E.	20.47	18.15		9.47		9.46	171.60		
2-6	N. 14° 00' E.	10.42	10.11		2.52		21.43	216.44		
6-7	N. 72° 17' E.	00.6	2.74		8.57		52.50	89.05		
7-8	S. 82° 10' E.	17.86		2.47	17.69	2	58.74		143.33	
8-9	S. 83° 55° W.	20.58		2.18		20.46	55.95		122.53	
9-10	S. 16° 40' W.	8.04		7.70		2.31	32.16		255.33	
10-11	S. 41° 15' W.	10.40		7.82		6.86	25.97		187.44	
11-12	S. 16° 26' E.	11.29		10.83	3.19		20.28		21.9.84	
12-1	N. 89° 57° W.	5.27				5.27	18.19			
		119.79	51.01 30.99	30.96	41.44	41.39		477.15	928.47 477.15 451.52 8 - 22.56	
	Clesing error	: - 1:1270.							T.H.	

		· +6	44	99		8									
		18.84		356.38	- SO - E- SO -	03							N N N N N N N N N N N N N N N N N N N		
							30.43°	P5 . 07-10	177.60	30.0			аляял и	. The still country of the country of the standard big of the standard by C. I. O. I. D. C. I. C. II. C. II	
	07.83	08.06	20° 00'	31.88	ae.3e	- 8d	08.88	82.13	0 · c	Q. 40			DOUBLE W. D.	ther al gaitool hottomer are out our of fositions of are of the state	
	100		0.80	61	80 - 46					- Gz		N. Belt.	DEFARTURES.	t put below them the certification and surveyors are also certification.	
		01.0				0	75 · e	32.63	Th. O		360	Evan	DEEV	dual figures; but pur disciplination of the second decimal disciplination of the countries.	
		TO.85	50	07.	81.4						moitnea	HUOS	ATTUTES.	SUEVEZ MO. Since of the price of the price of the first part of the first part of the price of	
IO. ES							92.2	10.13	21.81	170 0			ITATI	igho sib ogrado to the gardo sol og	
T:TSLO	13.0	10.	10.40	8.04	88.58	08.77	00.0	10.4E	7 P. CS	0.00			DELVZOK	only. a do not oblicate to chan be a do not oblication of a be about in ed ink. be necessary for the District concessary for the District CE HOMESTERD	
t town of the court of the cour	E. 80° SAL A.	3. JE. SE. E.	G. 47. JPr M.	3. 10° 40° 4.	. 880 . PD . M.	· 101 · 038 · 00	H. AS. TA, E.	M. JW. 00. E.	• EN 1955	-163			BEYEIZG'	DERECKO. 2. Anither of converted from the control of the control of the control flavore, but put below the control isoting in nelling. Put the coverted figure of figure and objections to the change the fooding of the change of the control flavore the figure. Put the coverted figure of figure and to be change to be change of the figure of the change of the chang	
	1 30 17	21-13	10-11	0-10	10 10 00	0 1	7-0	0-10	G	\$1.00 m				TABLING A. S. Town out out of the state of t	

Form 85. Sheet No. 3.

Draccrows.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

2. In balancing Latitudes and Departures do not obliterate or change the footing of the original figures, but put below them the corrected figure or figures above 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.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

Fuller. H 11.02 460.3**5** 240.05 459.92 S. AREAS. M. Hugh Area COCONINO 228.74 240.05 AREAS. 11.31 Z. 1 ARI ZONA DOUBLE M. D. 2.63 27.36 18.27 43.00 7. OF. to cor. STATE 25.98 63 6.46 46.54 22.08 24.73 40.08 WEST. 3 DEPARTURES 03 6.46 2.52 24.75 cor. Sec. 9.47 8.57 18.29 20.56 EAST. 178 2 NO. Section Traverse from SE. 16.82 0.01 16.83 00.00 SOUTH. SURVEY LATITUDES HOMESTEAD ENTRY 00 00 2.74 0.04 31.05 16.81 10.11 12.51 10.0 18.15 4.30 NORTH. Closing error - 1:1373. DISTANCE 00.6 5.04 6.46 6.46 27.76 22.16 40.08 20.47 10.42 86.43 OF CALCULATIONS 田 -. 田 H 田 B 57 8 37 57 249 171 42 270 341 00 BEARING 140 720 520 310 ·68 880 880 550 · 0 · · · . TABLING AND 33 4 D 9 ~ 80 1 1 1 200 3-4 11 9 4-1 25 4 D CORNERS 8-2349

An expect of the desirable of the algorithm of the control of the properties of the control of t

			1	30.083				\$0.08h			a, veeva
				90.048		1000 M	11.31				M. VELVE
						18.81	800	63,18			DOMESTIC W. D.
	0.5	80.02 Se		*				20.38		Water.	PERVICACINES.
		0 . 000			000	16.29			· Cu	TRAIT	THEE
00.00		TKOH OP.			10.			28.01	Bection		LASTEUDES.
10 0 0 1 1 0 0 0 1 0 1 0 0 0 0 0 0 0 0	0.03	0.04		Lo.ox		18.81	D8. N				TAI
8 C B 3	02.0	80.02	1:1878		37.3	22.35	- to - d	37.98			DISTANCE.
E. 150 00 E. E. 170 00 E.	E 690 531 8	. 3. 123 - 521 (1.	Dissing suppor		000 PML 88	. E. 173 °C6 . H	H. ST. SO. E.	Page dell			neverke:
	ls.				17			7-8			CONTREE

148

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 12, 1916.

The foregoing field notes of Homestead Entry Survey No.
178
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.
Hank O Hoth
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
8-2349 U. S. Surveyor General.