

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

155

APRS-1911

JUN 5-1911

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 445

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 1 , unsurveyed, Township 5 N. , Range 8 E.  
In Section 11 , unsurveyed, Township 5 N. , Range 8 E.  
In Section 12 , unsurveyed, Township 5 N. , Range 8 E.

of the

**Gila and Salt River Base and Meridian.**

State of

**ARIZONA**

Applicant for listing **J. C. Chilson,**

Residence **Roosevelt, Arizona**

Application No. **169** ✓ , dated **January 30** , 1911 ✓

List No. **3-1163** ✓ , dated **February 23** , 1911 ✓

Applicant for survey **Clarence C. Moore,**

Residence **Roosevelt, Arizona**

H. E. No. **025821** ✓ , dated **October 5** , 1914

Office **Phoenix, Arizona**  
Land District

Survey executed by **Walter G. Turley,** Surveyor - Forest Service  
[Forest Service Title.]

Under special instructions dated **January 7** , 1916 ✓

Survey commenced **January 24** , 1916

Survey completed **January 27** , 1916

Under Acts of **June 11, 1906 and March 4, 1915**

OATH OF ASSISTANTS

We hereby certify that we assisted **Walter G. Turley,**  
**Surveyor - Forest Service** in surveying all those  
[Forest Service Title.]  
parts or portions of Homestead Entry Survey No. **445**, in the 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 estab-  
lished, according to the instructions furnished 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 H. Baecher*, Chairman  
*Fred D. Lewis*, Chairman  
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Subscribed and sworn to before me this *twenty eighth* day of  
*March*, 19*16*.  
*Walter G. Turley*  
*Surveyor Forest Service*

OATH OF SURVEYOR

I, **Walter G. Turley,** **Surveyor - Forest Service**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**January 7**, 1916, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, surveyed a tract  
of land embraced in

List Patent, No. **3-1163**, dated **February 23, 1911**, for  
the same to be known as Homestead Entry Survey No. **445**,  
situated within the **TONTO** National Forest, in  
**unsurveyed Section 1**, Township **5 N.**, Range **8 E.**, and  
**unsurveyed Section 11**, Township **5 N.**, Range **8 E.**, and  
**unsurveyed Section 12**, Township **5 N.**, Range **8 E.**

of the **G. and S. R. B. and** meridian, **Arizona**, and the  
related retracements and resurveys and section subdivisions, which are  
represented in the following field notes as having been surveyed by me;  
and I further solemnly swear that all the corners of said survey have  
been established and perpetuated in strict accordance with the stated  
special instructions, and in the specific manner described in the field  
notes, and that the following are the original field notes of such  
survey.

*Walter G. Turley*  
*Surveyor Forest Service*  
[Forest Service Title.]

Subscribed and sworn to before me this *8th* day of  
*April*, 19*16*

*Elsie C. Myers*  
*Notary Public*



8-2349

## TONTONATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing, J. C. Chilson; Application No. 169, dated January 30, 1911; List No. 3-1163, dated February 23, 1911; Homestead Entry No. 025821 made in the Phoenix Land Office on October 5, 1914 by Clarence C. Moore, whose postoffice address is Roosevelt, Arizona.

Surveyed under Acts of June 11, 1906 and March 4, 1915 together with special instructions from the Surveyor General for Arizona dated January 7, 1916 and designated as Homestead Entry Survey No. 445.

Situated in what will probably be when surveyed secs. 1, 11, and 12, T. 5 N., R. 8 E., G. and S. R. B. and M. within the Tonto National Forest, Arizona.

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Survey commenced January 24, 1916 and executed with a W. & L. E. Gurley light mountain transit No. 12953 provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite 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.

All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape graduated to links and tenths. The slope angles were determined with a clinometer, the vernier of which reads to degrees.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

January 25, 1916.

I set up my transit over cor. H-8 of List 3-1163 which is a quartzite stone 12 x 8 x 5 ins. above ground marked and witnessed as described by the Forest Service, and with telescope direct, I observe Polaris in accordance with instructions at 6h. 55m. a.m. l.m.t. and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station in lat.  $33^{\circ} 47' 48''$  N., and long.  $111^{\circ} 29' 00''$  W. from special instructions of the Surveyor General.

Astron. l.m.t. obsn. Jan. 24, 1916, 18h. 55.0m.

Astron. l.m.t. U.C. Pol. Jan. 24, 1916, 5h. 17.4m.

Hour angle Pol. at obsn. 13h. 37.6m.

23h. 56.1m.

Time argument 10h. 18.5m.

Azimuth Pol. at obsn.  $0^{\circ} 34' 06''$  W.

With my transit set up over cor. H-8 of List 3-1163

heretofore described with telescope reversed in altitude and azimuth at 7h. 10m. a.m. l.m.t. on the same date, I again observe Polaris in accordance with instructions and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t. obsn. Jan. 24, 1916, 19h. 10.0m.

Astron. l.m.t. U.C. Pol. Jan. 24, 1916, 5h. 17.4m.

Hour angle Pol. at obsn. 13h. 52.6m.

23h. 56.1m.

Time argument 10h. 03.5m.

Azimuth of Pol. at obsn.  $0^{\circ} 38' 54''$  W.

## TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains January 25, 1916.

I turn off  $0^{\circ} 34'$  the azimuth of Polaris to the E. from its direction at 6h. 55m. a.m. l.m.t. January 25, 1916 and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off  $0^{\circ} 39'$  the azimuth of Polaris to the E. from its direction at 7h. 10m. a.m. l.m.t. and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. North of my station. This line falls  $0^{\circ} 00' 52''$  of measured arc to the E. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and from the corresponding meridian all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

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Latitude  $33^{\circ} 47' 48''$  N. and longitude  $111^{\circ} 29' 00''$  W. by account from the special instructions of the Surveyor General. The sun was obscured at apparent noon; therefore a latitude observation was not possible.

My watch is set for standard 105th meridian time from which I subtract 25m. 56s. for l.m.t.

The observed magnetic declination at cor. No. 1, H. E. S. No. 445 at 8h. 00m. a.m. January 26, was  $14^{\circ} 00'$  E. which reduced gives a mean magnetic declination of  $13^{\circ} 59'$  E.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Retracement.

The settlers in this vicinity have neither located a public land corner, nor have any information that would lead to the discovery of one. Therefore I locate cor. H-8 as hereinafter described in the establishment of U. S. L. M. No. 445, H.E.S.

Thence East.

10.00 Mark temporary point at assumed cor. to secs. 1, 6, 7, and 12, T. 5 N., Rs. 8 and 9 E. No evidence of cor. found. No large cacti near this point.

Thence North.

40.00 This point falls on bar in mesquite. No evidence of cor. found.

80.00 To assumed point for cor. Ts. 5 and 6 N., Rs. 8 and 9 E.

This point falls upon a low bar covered with granite boulders. Since the description of this corner would necessarily limit its location I make a diligent search but fail to find the corner, the vertical seam in perpendicular rock or the witness mound 6.77 chs. W.

Thence West.

From the assumed location of cor. to Ts. 5 and 6 N., Rs. 8 and 9 E.

40.00 Falls upon open E. slope. No evidence of cor. to secs. 1 and 36 could be found. No palo verde trees near.

80.00 Falls upon open N. slope. No evidence of cor. to secs. 1, 2, 35, and 36 could be found. No palo verde trees as described in this vicinity.

Continue West.

40.00 No evidence of corner could be found.

January 25, 1916.

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TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains	January 26, 1916.
	Thence South.
	From assumed cor. to secs. 1, 6, 7, and 12, T. 5 N., Rs. 8 and 9 E.
40.00	Falls upon open hillside. No evidence of cor. found. The only 10 in. mesquite trees or evidence thereof stand approximately 18.00 chs. East of this point; but they were not marked. A line North from them would not cross Sycamore Creek for two miles.
80.00	Falls upon W. slope. No evidence of cor. found. Continue South.
40.00	No evidence of cor.
80.00	No evidence of cor. Continue South.
40.00	No evidence of cor.
80.00	No evidence of cor. A cottonwood tree is reported as a witness tree to this corner. There is but one cottonwood tree to be found or known to ever have existed within two miles of this point, which stands approximately 25.00 chs. N. 40° 00' W. from my assumed point, but this cottonwood tree does not appear to have ever been marked. Continue South.
40.00	No evidence of cor. There is no oak of any kind known to exist in this vicinity.
80.00	No evidence of cor. There is no pinon known to exist in this vicinity.
	January 26, 1916.

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HOMESTEAD ENTRY SURVEY NO. 445

GRAND TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

January 27, 1916.

Having made a diligent and reasonable search for a corner of the public land survey which is supposed to exist in this vicinity, and failing to find any trace thereof, I establish U. S. L. M. No. 445 H. E. S.

At a point upon the point of a ridge approximately 44.00 chs. East from the place at which the Ft. McDowell-Reno wagon road crosses Sycamore Creek I chisel cross at the point and U S L M No 445 H E S on the NW. face of an imbedded granite stone 30 x 16 x 8 ins. above ground and raise a mound of stone 6 ft. base, 4 ft. high, S. of point for U. S. L. M. from which

No witnesses are available within a reasonable distance.

- W. end Pine Ridge bears N. 81° 20' E.
- W. end Pine Mt. bears S. 53° 53' E.
- Granite Mt. bears N. 85° 30' W.
- Diamond Mt. bears N. 10° 20' W.
- Crabtree Butte bears N. 32° 20' E.
- U. S. G. S. 2369. B. M. 28 which is an iron post with brass cap bears N. 79° 32' W., 43.52 chs.
- Junction of Screwtail with Sycamore Creek bears N. 14° 35' E.

Thence N. 57° 06' W.

On a true line for a tie.

2.47 To cor. No. 1.

Identical with cor. H-8 of List 3-1163 which is a quartzite stone 12 x 8 x 5 ins. above ground marked and witnessed as described by the Forest Service.



TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

I destroy cor. H-8 and its witnesses and for cor. No. 1 of this survey I chisel cross on a stone 4 x 3 x 2 ins. and deposit it 16 ins. in the ground over which I set a granite stone 26 x 10 x 6 ins. 16 ins. in the ground chiseled cross at the point and 1 - H E S 445 on the NW. face and raise a mound of stone 2 ft. base, 1½ ft. high, NW. of cor. from which

+ on an imbedded granite stone 40 x 30 x 12 ins. above ground bears S. 34° 10' E., 46 lks. chiseled 1 H E S 445 + B R U. S. L. M. No. 445 H. E. S. heretofore described bears S. 57° 06' E., 2.47 chs.

Thence S. 67° 53' W.

- 7.20 Desc. open NW. slope 10 ft.
- 16.05 Cease descending and ascend NE. slope 40 ft. Ridge bears NW. and SE. Desc. NW. slope 50 ft.
- 23.40 Ravine, course N. Ascend E. slope 30 ft.
- 32.30 Edge of mesa bears N. and S. Continue ascending mesa 10 ft.
- 50.26 Phoenix-Reno Pass wagon road bears N. and S.
- 69.15 Ridge bears N. and S. Desc. 50 ft. in undergrowth.
- 84.33 To cor. No. 2.

Identical with cor. H-1 of List 3-1163 which is a granite stone 10 x 8 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses and for cor. No. 2 of this survey I chisel cross on a stone 4 x 3 x 2 ins. and deposit 15 ins. in the ground over which I set a basalt stone 25 x 9 x 5 ins. 15 ins. in the ground chiseled cross at the point and 2 - H E S 445 on the N. face and raise a mound of stone 2 ft. base 1½ ft. high, - N. of cor. from which:

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STATE OF ARIZONA

Chains A 9 in. hackberry bears-S. 55° 30' W., 81 lks.  
blazed and scribed 2 H E S 445 + B T

A 9 in. sycamore bears N. 76° 00' E., 130 lks.  
blazed and scribed 2 H E S 445 + B T

Thence N. 43° 45' W.  
Over brushy bottom.

1.55 To cor. No. 3.  
Identical with cor. H-2 of List 3-1163 which is a  
quartzite stone 8 x 6 x 5 ins. above ground marked  
and witnessed as described by the Forest Service.  
I destroy cor. H-2 and its witnesses and for cor.  
No. 3 of this survey I chisel cross on a stone

4 x 4 x 3 ins. and deposit it 16 ins. in the  
ground over which I set a basalt stone 26 x 15 x 10  
ins. 16 ins. in the ground chiseled cross on the  
point and 3 - H E S 445 on the E. face and raise  
a mound of stone 2 ft. base, 1 1/2 ft. high, E. of  
cor. from which

A 20 in. sycamore bears N. 87° 16' W. 82 lks.  
blazed and scribed 3 H E S 445 + B T

A 7 in. cottonwood bears N. 19° 30' E. 110 lks.  
blazed and scribed 3 H E S 445 + B T

Thence N. 43° 58' E.  
Ascend brushy bottom 5 ft.

3.70 Fence bears ENE. and WSW.

6.72 Fence bears NNE. and SSW.

13.78 Fence bears NW. and SE. Enter corral.

14.69 Fence bears E. and W. Leave corral.

29.76 Fence bears ENE. and WSW.

30.75 To cor. No. 4.  
Identical with cor. H-3. of List 3-1163 which is a  
quartzite stone 10 x 8 x 4 ins. above ground marked

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

and witnessed as described by the Forest Service. I  
destroy cor. H-3 and its witnesses and for cor. No.  
4 of this survey I chisel cross on a stone 4 x 4 x 2.  
ins. and deposit it 14 ins. in the ground over which  
I set a granite stone 24 x 10 x 5 ins. 14 ins. in the  
ground chiseled cross at the point and 4 - H E S 445  
on the SE. face and raise a mound of stone 2 ft. base,  
1 1/2 ft. high SE. of cor. from which

A 7 in. mesquite bears S. 50° 08' E., 88 lks.

blazed and scribed 4 H E S 445 + B T

A 14 in. sycamore bears S. 82° 25' W. 125 lks.

blazed and scribed 4 H E S 445 + B T

Thence N. 66° 35' E.

Over brushy bottom.

7.60 Fence bears NE. and SW. Enter cultivated land, bears NE.  
and SW.

14.70 Fence bears E. and W. Leave cultivated land.

15.70 Phoenix-Reno Pass wagon road bears N. and S.

16.68 To cor. No. 5.

Identical with cor. H-4 of List 3-1163 which is a  
quartzite stone 20 x 16 x 6 ins. above ground marked  
and witnessed as described by the Forest Service. I  
destroy cor. H-4 and its witnesses and for cor. No.  
5 of this survey I chisel cross on a stone 4 x 3 x 2.  
ins. and deposit it 18 ins. in the ground, over which  
I set a quartzite stone 28 x 12 x 5 ins. 18 ins. in  
the ground; chiseled cross at the point and 5 - H E S  
445 on the SE. face and raise a mound of stone 2 ft.  
base, 1 1/2 ft. high, SE. of cor. from which

A 15 in. sycamore bears N. 68° 22' E. 74 lks.

blazed and scribed 5 H E S 445 + B T

A 7 in. mesquite bears N. 62° 25' W. 66 lks.

blazed and scribed 5 H E S 445 + B T

## TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains Thence N. 23° 03' E.  
 . Over brushy bottom.  
 0.20 Left bank Sycamore Creek 3 ft. high, 160 lks. wide, course  
 WNW. Asc. brushy S. slope 15 ft.  
 9.94 To cor. No. 6.  
 Identical with cor. H-5 of List 3-1163 which is a  
 granite stone 9 x 7 x 5 ins. above ground marked  
 and witnessed as described by the Forest Service.  
 I destroy cor. H-5 and its witnesses and for cor.  
 No. 6 of this survey, I chisel cross on a stone  
 4 x 4 x 3 ins. and deposit it 15 ins. in the  
 ground over which I set a granite stone 25 x 10 x 5 ins.  
 15 ins. in the ground chiseled cross at the point,  
 and 6 - H E S 445 on the SE. face and raise a mound  
 of stone 2 ft. base, 1½ ft. high, SE. of cor. from  
 which  
 A 5 in. mesquite bears N. 48° 50' W., 156 lks.  
 blazed and scribed 6 H E S, 445 + B T  
 U.S.G.S. 2369 B.M. 28 which is an iron post with  
 brass cap set in mound of stone bears  
 N. 87° 55' W., 1.71 chs.

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13.54 Thence N. 89° 28' E.  
 Desc. brushy slope 10 ft.  
 To cor. No. 7.  
 Identical with cor. H-6 of List 3-1163 which is a  
 quartzite stone 12 x 7 x 4 ins. above ground marked  
 and witnessed as described by the Forest Service.  
 I destroy cor. H-6 and its witnesses and for cor.  
 No. 7 of this survey, I chisel cross on a stone  
 4 x 4 x 3 ins. and deposit it 14 ins. in the ground;  
 over which I set a schist stone 24 x 10 x 6 ins.  
 14 ins. in the ground chiseled cross at the point  
 and 7 H E S 445 on the S. face and raise a mound of  
 stone 2 ft. base, 1½ ft. high, S. of cor. from which

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains	A 5 in. mesquite bears S. 65° 50' W., 179 lks., blazed and scribed 7 H E S 445 + B T.
	A 5 in. hackberry, bears S. 42° 22' E., 117 lks., blazed and scribed 7 H E S 445 + B T.
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	Thence N. 65° 06' E.
	Over brushy bottom.
2.60	Right bank Sycamore Creek, 4 ft. high, course SW., 150 lks. wide.
6.45	Left bank Sycamore Creek, 4 ft. high, course SW. Asc.
5 ft. over brushy bottom.	
8.20	Wire fence bears NE. and SW.
11.35	Wire fence bears E. and W.
15.35	Left bank Sycamore Creek, 4 ft. high, course W. Enter Creek bed, 200 lks. wide.
26.27	Right bank Sycamore Creek, 4 ft. high, course W. Con- tinue over brushy bottom.
26.47	To cor. No. 8.
<p>Identical with cor. H-7 of List 3-1163, which is a granite stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses and for cor. No. 8 of this survey, I chisel cross on a stone 4 x 4 x 2 ins. and deposit it 14 ins. in the ground, over which I set a granite stone 24 x 14 x 10 ins., 14 ins. in the ground, chiseled cross at the point and 8 - H E S 445 on the SSW. face, and raise a mound of stone 2 ft. base, 1½ ft. high, SSW. of cor. from which</p>	
	A 5 in. mesquite bears S. 12° 00' W., 24 lks.
	blazed and scribed 8 H E S 445 + B T.
	A 10 in. sycamore bears S. 71° 30' W., 124 lks.
	blazed and scribed 8 H E S 445 + B T.
<p>Note: Cor. H-7 was not found in running water as stated in field notes of listing survey.</p>	

Chains  
 Thence S. 3° 16' E.  
 Over brushy bottom.  
 0.17 Right bank Sycamore Creek, 150 lks. wide, banks 4 ft.  
 high, course W. Continue over brushy bottom.  
 3.10 Wire fence bears E. and W.  
 13.50 Arroyo, 50 lks. wide, banks 4 ft. high, course W.  
 15.01 Wire fence bears NE. and SW.  
 16.85 Leave bottom, bears E. and W. Asc. N. slope 15 ft.  
 18.55 To cor. No. 1, the place of beginning.

Area.

Total Area ..... 120.65 acres.

Improvements

A frame granary 16 x 12 ft., the long side extending NW.  
 and SE. and the W. cor. of which bears N. 71° 45' E.,  
 3.96 chs. from cor. No. 3.

Estimated value ..... \$100.00

A frame dwelling 20 x 14 ft., the long side extending  
 NW. and SE. and the W. cor. of which bears N. 61° 00'  
 E., 7.48 chs. from cor. No. 3.

Estimated value ..... \$100.00

Approximately 2 miles of wire fencing.

Estimated value ..... \$200.00

Approximately 9 acres of cultivated land.

Description.

This claim is bottom land along both sides of Sycamore  
 Creek, which drains into the Verde River, and is chiefly  
 valuable for farming and stock raising.

An abundant supply of water for all purposes flows in  
 Sycamore Creek.

The soil of the bottom land is a sandy loam and fertile.

Good crops of oats and barley have been produced without

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TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

irrigation. The slopes are clay loam.  
There is no timber in this section. Cottonwood and sycamore grow along the Creek bed.  
This is not known to be a mineralized section and no townsites, mining, coal or oil claims are known to have been located in conflict herewith.  
Phoenix railway station is 52 miles by wagon road in a southwesterly direction; Roosevelt postoffice is 48 miles by wagon road in a southeasterly direction.  
There are no conflicts or adjoining claims.

Traverse.

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	S. 67° 53' W.	84.33		31.75 ✓		78.12 ✓	
2-3	N. 43° 45' W.	1.55	1.12 ✓			1.07 ✓	
3-4	N. 43° 58' E.	30.75	22.13 ✓		21.55 ✓		
4-5	N. 66° 35' E.	16.68	6.63 ✓		15.31 ✓		
5-6	N. 23° 03' E.	19.94	9.15 ✓		13.89 ✓		
6-7	N. 89° 28' E.	13.54	.13 ✓		13.54 ✓		
7-8	N. 65° 06' E.	26.47	11.14 ✓		24.01 ✓		
8-1	S. 3° 16' E.	18.55		18.52 ✓	1.06 ✓		
			201.81	50.30	50.27	79.16	79.19
				<u>50.27</u>			<u>79.16</u>

Error in lat. and dep. .03 .03

Closing error 1:4757 ✓

Survey completed January 27, 1916.

*Walter G. Turley*  
Surveyor-Forest Service.

Chains

There is no timber in this section. Cottonwood and  
 sycamore grow along the creek bed.  
 This is not known to have mineralized section and no  
 townships, mining, coal or oil claims are known to  
 have been located in this section.  
 Phoenix railway station is 25 miles by wagon road in  
 a southwesterly direction; Roosevelt postoffice is  
 48 miles by wagon road in a southeasterly direction.  
 There are no conflicts or adjoining claims.

Traverse.

Dist.	Course	Dist.	Course
1-1	S. 27° 23' W. 21.83	2-1	N. 20° 15' E. 18.52
2-2	N. 43° 45' W. 1.52	2-2	N. 43° 45' W. 1.52
3-1	N. 43° 28' E. 22.12	3-2	N. 43° 28' E. 22.12
4-1	N. 66° 25' E. 12.08	4-2	N. 66° 25' E. 12.08
5-1	N. 23° 03' E. 9.24	5-2	N. 23° 03' E. 9.24
6-1	N. 42° 28' E. 12.24	6-2	N. 42° 28' E. 12.24
7-1	N. 62° 05' E. 22.47	7-2	N. 62° 05' E. 22.47
8-1	N. 20° 15' E. 18.52	8-2	N. 20° 15' E. 18.52

201.81 20.27 20.18 20.12  
 20.12

error in lat. and dep.  
 closing error 1:457  
 survey completed January 27, 1910.

*[Signature]*  
 Surveyor-General Service



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.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 445, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 67° 53' W.	84.33		31 75 <sup>6</sup>		78 12 <sup>1</sup>	80 25		2548 74 <sup>✓</sup>
2-3	N. 43° 45' W.	1.55	1.12			1 07	1 07	1 20 <sup>✓</sup>	
3-4	N. 43° 58' E.	50.75	22 13 <sup>2</sup>		21 35 <sup>6</sup>		21 36	472 48 <sup>✓</sup>	
4-5	N. 66° 35' E.	16.68	6 63		15 31		58 03	384 74 <sup>✓</sup>	
5-6	N. 23° 03' E.	9.94	9 15		3 89		77 23	706 65 <sup>✓</sup>	
6-7	N. 89° 28' E.	13.54	0 13		13 54		94 66	12 31	
7-8	N. 65° 06' E.	26.47	11 14 <sup>3</sup>		24 01 <sup>2</sup>		132 22	1471 61 <sup>✓</sup>	
8-1	S. 3° 16' E.	18.55		18 52	1 06		157 30	2913 20 <sup>✓</sup>	
		201.81	50 30	50 27	79 16	79 19		3048 99	5461 94
			50 28	50 28	79 18	79 18			3048 99
									2412 95
									120 65 Acres.
Closing error, 1:4757									

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EMH

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.

3. In calculations for balancing fallings should be proportional to the lengths of the lines. 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. I. 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. \_\_\_\_\_, STATE OF \_\_\_\_\_

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 63° 12' E.	10.54	4.75		2 93	9 41	9 41	44 70	
2-3	N. 5° 53' E.	28.46	28.51		2 92	2 93	2 93	82 95	
3-4	N. 13° 14' E.	27.36	26.63		6 27		12 13	323 02	
4-5	S. 82° E.	7.52		1 05	7 45	7 24	25 85		27 14
5-1	S. 7° 03' E.	69.09		58 64		7 25	26 06	1528 16	
		132.97	59 69	59 69	16 63	16 66		450 67	1556 30
		Closing error 1:4432	59 69	59 69	16 65	16 65		450 67	450 67
								11 05 63	11 05 63
								562 81	562 81

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FEB 1 - 1917

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 19 1917 , 191

The foregoing field notes of Homestead Entry Survey No.

445

executed by *Walter G. Purley, Surveyor* [Forest Service Title.]  
under his special instructions, dated *January 7*, 1916, 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.