

ORIGINAL

143  
JUN 2- 1916

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 20 1917  
JUN 20 1917

No. 5-1918

309

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 309

SITUATED IN THE

CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 17, - surveyed, Township 23 S., Range 17 E.

Section 20, - surveyed, Township 23 S., Range 17 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

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

Under special instructions dated October 17, 1914

Survey commenced January 11, 1915

Survey completed January 13, 1915

Under Acts of June 11, 1906 and June 30, 1914

Applicant for listing Arthur G. Wilson

Residence San Rafael, Arizona

Application No. 280, dated November 3, 1913

List No. 3-2984, dated December 31, 1913

Applicant for survey Arthur G. Wilson

Residence San Rafael, Arizona

H. E. No. 025175, dated June 3, 1914

Land ~~district~~ <sup>office</sup> Phoenix, Arizona



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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. 309, in  
surveyed Section 17, Township 23 S., Range 17 E.,  
surveyed Section 20, Township 23 S., Range 17 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 O. Hodson, Chairman  
Charles E. Boeckh, Chairman

Subscribed and sworn to before me this 21st day of

January, 1915.

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  
October 17, 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. 3-2984 dated Dec. 31, 1913, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 309,  
situated within the CORONADO National Forest, in  
surveyed Section 17, Township 23 S., Range 17 E., and  
surveyed Section 20, Township 23 S., Range 17 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 22nd day of

February, 1915.

Elsie C. Meyers

Notary Public





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Chains Applicant for listing, Arthur G. Wilson; Application No. 280, dated November 3, 1913; List No. 3-2984, dated December 31, 1913; Homestead Entry No. 025175, made in the Phoenix Land Office on June 3, 1914 by Arthur G. Wilson, whose post office address is San Rafael, Arizona.

Also a small tract of unlisted land adjoining on the SE. was included in this survey. The land is agricultural in character, was desired by the entryman, and will be listed as a basis for amendment of his entry.

Surveyed under Acts of June 11, 1906 and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated October 17, 1914, and designated as Homestead Entry Survey No. 309.

Situated in secs. 17 and 20, T. 23 S., R. 17 E., Gila and Salt River Base and Meridian, within the Coronado National Forest, Arizona.

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Survey commenced January 11, 1915 and executed with a W. and L. E. Gurley light mountain transit No. 12953, provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment.

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 directly on the slope with a standard 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer.

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January 11, 1915.

I set up my transit over 1/4 cor. bet. secs. 17 and 20, which is a sandstone 10 x 8 x 6 ins. above ground,



2.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains marked and witnessed as hereinafter described, and with telescope direct, I observe Polaris in accordance with instructions at 8h. 10m. p.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.  $31^{\circ} 25' 12''$  N. and Long.  $110^{\circ} 38' 12''$  W.

Astron. l.m.t. obsn. January 11, 1915, 8h. 10.0m.

Astron. l.m.t. U.C. Pol., Jan. 11, 1915, 6h. 07.2m.

Hour angle Pol. at obsn., 2h. 02.8m.

Azimuth Pol. at obsn.,  $0^{\circ} 41' 30''$  W.

With my transit set up over the  $1/4$  cor. bet. secs. 17 and 20, heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 22m. p.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., January 11, 1915, 8h. 22.0m.

Astron. l.m.t. U.C. Pol., Jan. 11, 1915, 6h. 07.2m.

Hour angle Pol. at obsn., 2h. 14.8m.

Azimuth of Pol. at obsn.,  $0^{\circ} 45' 06''$  W.

January 11, 1915.

January 12, 1915.

I turn off  $0^{\circ} 41-1/2'$ , the azimuth of Polaris, to the E. from its direction at 8h. 10m. p.m., l.m.t., January 11, 1915; 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  $0^{\circ} 45'$ , the azimuth of Polaris, to the east from its direction at 8h. 22m. p.m., l.m.t.; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.



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Chains

This line falls  $0^{\circ} 00' 20''$  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.

Latitude  $31^{\circ} 25' 12''$  N., and Longitude  $110^{\circ} 38' 12''$  W. at  $1/4$  cor. to secs. 17 and 20, taken from the special instructions of the Surveyor General, which reduced gives Latitude  $31^{\circ} 25' 12''$  N., and Longitude  $110^{\circ} 38' 06''$  W. at cor. No. 1 of this survey. It was not possible to check the latitude by direct observation.

My watch is set for standard 105th meridian time, from which I subtract 22m. 33s. for l.m.t.

Observed magnetic declination, January 12, 1915, at 8h. 00m. a.m., l.m.t.,  $13^{\circ} 45'$  E., which reduced gives a mean magnetic declination of  $13^{\circ} 44'$  E.

RETRACEMENT of Secs. 17 and 20.

Beginning at cor. to secs. 17, 18, 19 and 20, which is a sandstone  $10 \times 10 \times 6$  ins. above ground, marked and witnessed as described by the Surveyor General.

Thence North on a random line.

40.14 I fall 47 lks. E. of  $1/4$  cor. to secs. 17 and 18, which is a sandstone  $12 \times 8 \times 6$  ins. above ground, marked and witnessed as described by the Surveyor General.

Return course S.  $0^{\circ} 40'$  E.

Thence North.

On a random line from  $1/4$  cor. to secs. 17 and 18, heretofore described.



Chains  
40.29

I fall 12 lks. E. of cor. to secs. 7, 8, 17 and 18,  
which is a sandstone 8 x 8 x 6 ins. above ground,  
marked and witnessed as described by the Surveyor  
General.

Return course S. 0° 10' E.

Thence East.

40.09

On a random line from cor. to secs. 7, 8, 17 and 18,  
I fall 7 lks. S. of 1/4 cor. to secs. 8, and 17, which  
is a sandstone 8 x 8 x 6 ins. above ground, marked and  
witnessed as described by the Surveyor General.

Return course S. 89° 54' W.

Thence East.

On a random line from 1/4 cor. to secs. 8 and 17,  
heretofore described.

40.35

I fall 16 lks. S. of cor. to secs. 8, 9, 16 and 17, which  
is a sandstone 12 x 8 x 6 ins. above ground, marked and  
witnessed as described by the Surveyor General.

Return course S. 89° 46' W.

Thence South.

On a random line from cor. to secs. 8, 9, 16 and 17,  
heretofore described.

40.13

I fall 12 lks. W. of 1/4 cor. to secs. 16 and 17, which  
is a granite stone 12 x 10 x 6 ins. above ground,  
marked and witnessed as described by the Surveyor  
General.

Return course N. 0° 10' W.

Thence South.

On a random line from 1/4 cor. to secs. 16 and 17,  
heretofore described.



Chains heretofore described.  
14.39 I fall 4 lks. W. of C. C. to secs. 16 and 17 on N. bdy.

San Rafael de la Zanja land grant.

Return course N. 0° 10' W.

Thence S. 89° 57' W.

On a true line. (Flag on Objective cor. in sight.)

8.23 To NW. cor. San Rafael de la Zanja land grant, which is a granite stone 12 x 12 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence South.

On a random line from NW. cor. San Rafael de la Zanja land grant, heretofore described.

23.17 I fall 1 lk. W. of 18 mile cor. on W. Bdy. San Rafael de la Zanja grant, which is a granite stone 12 x 12 x 10 ins. above ground, marked and witnessed as de-

scribed by the Surveyor General.

Return course N. 0° 02' W.

Thence South.

On a random line from 18 mile cor. on W. bdy. San Rafael de la Zanja land grant, heretofore described.

2.70 I fall 1/2 lk. E. of C. C. to secs. 17 and 20, which is a sandstone 8 x 8 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

40.09 I fall 8 lks. E. of 17-1/2 mile cor. on W. bdy. San Rafael de la Zanja grant, which is a sandstone 14 x 10 x 7 ins. above ground, marked and witnessed as described

by the Surveyor General.

Return course N. 0° 07' E.

Thence South.



Chains

On a random line from 17-1/2 mile cor. heretofore described.

40.10

Fall 8 lks. E. of 17 mile cor. on W. bdy. San Rafael de la Zanja land grant, which is a sandstone 10 x 8 x 7 ins. above ground, marked and witnessed as described by the Surveyor General.

Return course N. 0° 07' E.

Thence S. 0° 07' W.

On a true line by direct measurements from the 17 mile cor. on the W. bdy. San Rafael de la Zanja land grant, heretofore described.

2.80

Intersect the C. C. to secs. 20 and 29, on the W. bdy. San Rafael de la Zanja land grant, which is a granite stone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 0° 07' E.

On a true line from C. C. to Secs. 20 and 29 on W. bdy. San Rafael de la Zanja land Grant, heretofore described.

2.80

Intersect 17 mile cor. on W. bdy. San Rafael de la Zanja land Grant, heretofore described.

40.14 1/2

Set temp. point for closing 1/4 sec. cor. on W. bdy. San Rafael de la Zanja land Grant, which point is equidistant between the closing corners on east bdy. of sec. 20.

Thence West.

On a random line from C. C. to secs. 20 and 29 on W. bdy. San Rafael de la Zanja land grant, heretofore described.

31.35

I fall 5 lks. S. of 1/4 cor. to secs. 20 and 29, which is a quartz stone 10 x 8 x 6 ins. above ground, marked and



Chains

witnessed as described by the Surveyor General.  
Return course S. 89° 55' E.

Thence West.

On a random line from 1/4 cor. to secs. 20 and 29,  
heretofore described.

40.16

I fall 11 lks. N. of cor. to secs. 19, 20, 29 and 30,  
which is a granite stone 8 x 6 x 5 ins. above ground,  
marked and witnessed as described by the Surveyor  
General.

Return course N. 89° 51' E.

Thence North.

On a random line bet. secs. 19 and 20.

40.18

I fall 12 lks. E. of 1/4 cor. to secs. 19 and 20, which  
is a sandstone 8 x 5 x 5 ins. above ground, marked and  
witnessed as described by the Surveyor General, except  
that the witness tree N. 15° 45' W., 98 lks. has been  
cut and only a stump remains.

Return course S. 0° 10' E.

Thence North.

On a random line from 1/4 cor. to secs. 19 and 20.

40.28

I fall 12 lks. E. of cor. to secs. 17, 18, 19 and 20,  
heretofore described.

Return course S. 0° 10' E.

Thence East.

On a random line from cor. to secs. 17, 18, 19 and  
20 heretofore described.

40.21

I fall 10 lks. S. of 1/4 cor. to secs. 17 and 20, which  
is a sandstone 10 x 8 x 6 ins. above ground, chiseled  
1/4 on N. face, with mound of stone 2 ft. base, 1-1/2  
ft. high, N. of cor., from which:



8.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains A 24 in. oak, scribed 1/4 S 20 B T, bears  
S. 26° 27' W., 60 lks.

A 24 in. oak, scribed 1/4 S 17 B T, bears  
N. 20° 55' W., 51 lks.

Thence S. 89° 51' W. (return course).

On true line.

20.105 Set temp. point for SW. cor. SE/4 SW/4, sec. 17.

40.21 Intersect cor. to secs. 17, 18, 19 and 20, heretofore  
described.

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Thence East.

On a random line from the 1/4 cor. to secs. 17 and 20,  
heretofore described.

31.61 I fall 8 lks. S. of the C. C. to secs. 17 and 20, on the  
W. bdy. of San Rafael de la Zanja land grant, hereto-  
fore described.

Return course S. 89° 51' W.

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Subdivision in Sec. 20.

Thence North.

On a random line from the 1/4 cor. to secs. 20 and 29,  
heretofore described, through the center of sec. 20.

80.35 I fall 33 lks. E. of 1/4 cor. to secs. 17 and 20,  
heretofore described.

Return course S. 0° 14' E.

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Thence N. 89° 54' E. (Flag on objective cor. in sight).

On a random line.

From 1/4 cor. to secs. 19 and 20, heretofore described.

71.66 Intersect temp. point for 1/4 sec. cor. on E. bdy. sec.  
20, set at midpoint between closing corners on the  
W. bdy. San Rafael de la Zanja land grant, at a point  
2.75 chs. S. 0° 07' W. of the 17-1/2 mile cor. here-  
tofore described.

(This is random  
for distance  
only.)



Chains

Thence S. 89° 54' W.

From temp. point for 1/4 sec. cor. on E. bdy. sec. 20,  
previously mentioned.

31.41

Intersect the N. and S. median line at a point 40.10

N. 0° 14' W. of 1/4 cor. to secs. 20 and 29, hereto-  
fore described, and 40.25 chs. S. 0° 14' E. of the 1/4  
cor. to secs. 17 and 20, heretofore described.

51.53

Set temporary point for SW. cor. E/2 NW/4, sec. 20.

71.66

To 1/4 cor. to secs. 19 and 20, heretofore described,

Thence N. 0° 12' W.

On a random line.

From temp. point for SW. cor. E/2 NW/4, sec. 20.

(Flag on objective cor. in sight.)

40.26

Intersect the point for NW. cor. NE/4 NW/4, sec. 20.

Return course S. 0° 12' E.

January 12, 1915.

January 13, 1915. Subdivisions in Sec. 17.

Thence North.

On a random line from the 1/4 cor. to secs. 17 and 20,  
heretofore described, through center of Sec. 17.

80.33

I fall 63 lks. E. of the 1/4 cor. to secs. 8 and 17,

heretofore described.

Return course S. 0° 27' E.

Thence West.

On a random line from the 1/4 cor. to secs. 16 and 17,  
heretofore described.

40.14

Intersect N. and S. median line.

80.43

I fall 37 lks. N. of the 1/4 cor. to secs. 17 and 18,

heretofore described.

Thence N. 89° 44' E.

(This is random  
for distance  
only)



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CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	On a true line from the 1/4 cor. to secs. 17 and 18, and heretofore described.
20.14	Set temp. NE. cor. NW/4 SW/4, sec. 17.
40.29	Intersect N. and S. median line and set temp. cor. for center sec. 17, at a point 40.15 chs. S. 0° 27' E. of 1/4 cor. to secs. 8 and 17, heretofore described; and 40.18 chs. N. 0° 27' W. of 1/4 cor. to secs. 17 and 20, heretofore described.
80.43	Intersect the 1/4 cor. to secs. 16 and 17, heretofore described.
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	Thence S. 0° 27' E.
	On a true line from temp. center sec. 17, heretofore described.
10.04	Set temp. SE. cor. NE/4 NE/4 SW/4, sec. 17.
20.09	Set temp. SE. cor. NE/4 SW/4, sec. 17.
40.18	Intersect the 1/4 cor. to secs. 17 and 20, heretofore described.
<hr/>	
	Thence N. 0° 33' W.
	On a true line from the SW. cor. SE/4 SW/4, sec. 17.
	Temp. pt. for NE. cor. NW/4 SW/4 being plainly visible.
40.16	Intersect temp. NW. cor. NE/4 SW/4, sec. 17.
<hr/>	
	Thence N. 89° 47' E.
	On a true line from the NW. cor. SW/4 SW/4 sec. 17.
	Temp. pt. for NE. cor. SE/4 SW/4 being plainly visible.
20.12	Intersect N. and S. median line through SW/4, sec. 17, N. 0° 33' W., 20.08 chs. from temp. SW. cor. SE/4 SW/4 and S. 0° 33' E. 20.08 chs. from temp. NW. cor. NE/4 SW/4 sec. 17. Set temp. point.
40.25	Intersect temp. SE. cor. NE/4 SW/4 sec. 17, marked as heretofore described.
<hr/>	



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Chains

BOUNDARIES OF H. E. S. 309.

Cor. No. 1 and C. C. on line bet. secs. 17 and 20.

At which point I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 16 ins. in the ground; over which I set

a quartzite stone 26 x 10 x 9 ins., 16 ins. in the ground; chiseled (+) at the point, C C on ENE. face

and 1 - H E S 309 on NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high ENE. of cor. from

which:

A 12 in. white oak, blazed and scribed

1 H E S 309 + B T, bears N. 54° 45' W., 64 lks.

A 14 in. white oak, blazed and scribed

1 H E S 309 + B T, bears N. 13° 08' W., 64 lks.

1/4 cor. to secs. 17 and 20, heretofore de-

scribed, bears S. 89° 51' W., 7.45 chs.

C. C. to secs. 17 and 20, heretofore described,

bears N. 89° 51' E., 24.16 chs.

Thence S. 59° 36' W., over listed land.

Desc. 20 ft. along NW. slope in scattering oak brush.

31.89 To cor. No. 2, on the E. bdy. of NW/4 NW/4, sec. 20.

At which point I chisel (+) on a stone 4 x 4 x 2 ins.

and deposit it 15 ins. in the ground; over which I set

a porphyry stone 24 x 9 x 7 ins., 14 ins. in the ground;

chiseled (+) at the point and 2 - H E S 309 on the NNE.

face; and raise a mound of stone 2 ft. base, 1-1/2 ft.

high NNE. of cor., from which:

A 5 in. black oak, blazed and scribed

2 H E S 309 + B T, bears S. 24° 40' E., 15 lks.

A 9 in. white oak, blazed and scribed

2 H E S 309 + B T, bears N. 42° 00' E., 72 lks.

Cor. H-5 of the list survey, which is a

gneiss stone 6 x 6 x 5 ins. above ground,



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CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

marked and witnessed as described by the

Forest Service, bears S. 59° 36' W., 23 lks.

I destroy cor. H-5 and its witnesses.

Thence N. 0° 12' W.

Along E. bdy. NW/4 NW/4, sec. 20. Desc. NW. slope  
5 ft. in oak brush.

5.00 Ravine, 20 lks. wide, course NE. Asc. SE. slope 20 ft.

9.10 Ridge, bears NE. and SW. Desc. NW. slope 25 ft.

10.40 Arroyo, 15 lks. wide, banks 4 ft. high, course NE.

Asc. SE. slope 5 ft.

16.06 To cor. No. 3, and 1/16 cor. Also a C. C. on line

bet. secs. 17 and 20.

At which point I chisel (+) on a stone 4 x 4 x 3 ins.,

and deposit it 14 ins. in the ground; over which I set

a conglomerate stone 24 x 12 x 5 ins., 14 ins. in the

ground; chiseled (+) at the point, C C on the S. face

1/16 and 3 - H E S 309 on the E. face; and raise a  
mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor.

from which:

A 9 in. black oak, blazed and scribed

3 H E S 309 + B T, bears N. 8° 18' W.,

119 lks.

A 7 in. black oak, blazed and scribed

3 H E S 309 + B T, bears N. 34° 50' E., 227 lks.

1/4 cor. to secs. 17 and 20, heretofore de-

scribed, bears N. 89° 51' E., 20.10 chs.

Cor. to secs. 17, 18, 19 and 20, heretofore

described, bears S. 89° 51' W., 20.11 chs.

Thence N. 0° 33' W.

Along E. bdy. SW/4 SW/4, sec. 17. Asc. SE. slope

15 ft. in open.



HOMESTEAD ENTRY SURVEY NO. 309

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains  
8.00 Ridge, bears NE. and SW. Desc. NW. slope 15 ft. in oak brush.

20.08 To cor. No. 4, and a 1/16 cor.  
Identical with the NE. cor. SW/4 SW/4, sec. 17.  
At which point I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 16 ins. in the ground, over which I set a quartzite stone 26 x 14 x 14 ins., 16 ins. in the ground; chiseled (+) at the point, 1/16 and 4 - H E S 309 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. cor., whence:  
A 6 in. black oak, blazed and scribed  
4 H E S 309 + B T, bears N. 83° 40' W., 67 lks.  
A 7 in. black oak, blazed and scribed  
4 H E S 309 + B T, bears N. 71° 00' E., 155 lks.  
Cor. H-4 of the list survey, which is a granite stone 6 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 3° 00' E., 47 lks.  
I destroy cor. H-4 and its witnesses.

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Thence S. 89° 47' W.

Along N. bdy. SW/4 SW/4, sec. 17. Desc. 10 ft. in oak brush.

17.20 Mowry- San Rafael road, bears NE. and SW.

20.12 To cor. No. 5, and C. C. on line bet. secs. 17 and 18.  
Also a 1/16 cor.  
At which point I chisel (+) on a stone 4 x 4 x 2 ins. and deposit it 14 ins. in the ground; over which I set a quartzite stone 24 x 8 x 7 ins., 14 ins. in the ground; chiseled (+) at the point, C C on the E. face, 1/16 and 5 - H E S 309 on the NE. face; and dig pits 24 x 18 x 12 ins. crosswise on line N. and S. 3 ft. and E. 7 ft. dist.; and raise a mound of earth 4 ft.



Chains  
 base, 2 ft. high, 3-1/2 ft. E. of cor., from which:  
 A 5 in. black oak, blazed and scribed  
 5 H E S 309 + B T, bears S. 41° 40' W., 11  
 lks.  
 A 5 in. black oak, blazed and scribed  
 5 H E S 309 + B T, bears S. 31° 22' E., 64  
 lks.  
 Cor. to secs. 17, 18, 19 and 20, heretofore  
 described, bears S. 0° 40' E., 20.07 chs.  
 1/4 cor. bet. secs. 17 and 18, heretofore de-  
 scribed, bears N. 0° 40' W., 20.07 chs.  
 Cor. H-3 of the list survey, which is a  
 granite stone 6 x 4 x 4 ins. above ground,  
 marked and witnessed as described by the  
 Forest Service, bears N. 11° 45' E., 50  
 lks.  
 I destroy cor. H-3 and its witnesses.

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Thence N. 0° 40' W.  
 Along line, bet. secs. 17 and 18. Desc. 5 ft. in  
 oak.

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0.45 Fence, bears E. and W.  
 5.13 Arroyo, 40 lks. wide, banks 3 ft. high, course E.  
 Enter cultivated land.  
 10.03 To cor. No. 6 and C. C. on line bet. secs. 17 and 18.  
 Also NW. cor. S/2 NW/4 SW/4, sec. 17.  
 At which point I chisel (+) on a stone 3 x 3 x 2 ins.  
 and deposit it 14 ins. in the ground; over which I  
 set a quartzite stone 24 x 12 x 6 ins., 14 ins.  
 in the ground; chiseled (+) at the point, C C on E.  
 face, and 6-HES 309 on the SE. face; and dig pits  
 24 x 18 x 12 ins. crosswise on line N. and S. 3 ft.  
 and E. 7 ft.; and raise a mound of earth 4 ft.



HOMESTEAD ENTRY SURVEY NO. 309

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains	<p>base, 2 ft. high E. of cor.</p> <p>1/4 cor. bet. secs. 17 and 18, heretofore described, bears N. 0° 40' W., 10.04 chs.</p> <p>Cor. to secs. 17, 18, 19 and 20, heretofore described, bears S. 0° 40' E., 30.10 chs.</p> <p>Cor. H-2 of the list survey, after diligent search, could not be found.</p> <hr/> <p>Thence N. 89° 46' E.</p> <p>Over cultivated bottom, along N. bdy. S/2 N/2 SW/4, sec. 17.</p> <p>7.00 Left bank arroyo, 1 ft. high, course NE.</p> <p>8.20 Right bank arroyo, 1 ft. high, course NE. continue ascending 5 ft. in cultivated land.</p> <p>14.00 Leave cultivated land, bears N. and S. and continue in open.</p> <p>26.00 Enter cultivated land, bears N. and S.</p> <p>36.08 Fence, bears N. and S.</p> <p>39.18 Mowry - San Rafael road, bears NE. and SW.</p> <p>40.27 Intersect the N. and S. median at SW. cor. N/2-NW/4, SE/4, sec. 17. Continue along S. bdy. N/2 NW/4 SE/4, sec. 17</p> <p>50.29 To cor. No. 7.</p> <p>At which point I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 14 ins. in the ground; over which I set a porphyry stone 24 x 12 x 10 ins., 14 ins. in the ground; chiseled (+) at the point and 7 - H E S 309 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., from which:</p> <p>A 24 in. oak, blazed and scribed</p> <p>7 H E S 309 + B T, bears S. 39° 57' W., 60 lks.</p> <p>No other witnesses available. Pits impracticable.</p> <p>Cor. H-1 of the list survey, which is a granite stone 6 x 4 x 4 ins. above ground, marked and witnessed as described by the</p>
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16.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Forest Service, bears North, 19 lks.

I destroy cor. H-1 and its witnesses.

Thence S. 0° 22' E.

Asc. N. slope 20 ft. in open.

1.90 Ridge, bears NE. and SW. Desc. SE. slope 5 ft. in open.

9.80 To cor. No. 8.

Identical with cor. H-8 of List 3-2984, which is a gneiss stone 5 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-8 and its witnesses; and for cor. No. 8 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground; over which I set a porphyry stone 24 x 8 x 6 ins., 14 ins. in the ground; chiseled (+) at the point and 8 - H E S 309 on the SW. face; and dig pits 24 x 24 x 12 ins. crosswise on line N. and E. 3-1/2 ft.; and raise a mound of earth 4 ft. base, 2 ft. high, SW. of cor.

Thence N. 86° 54' E.

Desc. gentle open SE. slope 10 ft.

14.00 To cor. No. 9.

Identical with cor. H-7 of List 3-2984, which is a granite stone 8 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses; and for cor. No. 9 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 14 ins. in the ground; over which I set a porphyry stone 24 x 12 x 10 ins., 14 ins. in the ground; chiseled (+) at the point and 9 - H E S 309 on the SW. face; dig pits 24 x 24 x 12 ins. crosswise on



Chains

this and the succeeding course 7 ft. dist; and raise a mound of stone covered with earth 4 ft. base, 2 ft. high, 3-1/2 ft. SW. of cor., from which:

A well, 4 x 4 x 101 ft. deep, dug by the Stockmen's Association, the center of which bears S. 32° 18' E., 2.60 chs. dist.

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Thence S. 24° 02' E. - - - - -

Desc. SE. slope 5 ft. in open.

3.04 Left bank arroyo, 4 ft. high, course E.

3.54 Right bank arroyo, 4 ft. high, course E.

Asc. open NW. slope 10 ft.

10.00 Cor. H-6 of List 3-2984, which is a porphyry stone 8 x 5 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-6 and its witnesses. Leave listed land and enter unlisted land.

12.98 To cor. No. 10.  
At which point I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a porphyry stone 24 x 12 x 10 ins., 14 ins. in the ground, chiseled (+) at the point and 10 - H E S 309 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., from which:

A 6 in. black oak, blazed and scribed  
10 H E S 309 + B T, bears S. 68° 05' W.,  
133 lks.

A 6 in. white oak, blazed and scribed  
10 H E S 309 + B T, bears N. 43° 30' W.,  
108 lks.

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Thence S. 66° 49' W., over unlisted land.

Along NW. slope in open.



18.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

5.10 Right bank arroyo, 4 ft. high, course NE.  
5.45 Left bank arroyo, 4 ft. high, course NE.  
Asc. open E. slope 25 ft.  
23.56 To cor. No. 1, the place of beginning.

AREA

Listed Area - - - - - 156.20 acres  
Unlisted Area - - - - - 3.71 acres  
Area in Sec. 17 - - - - - 137.78 acres  
Area in Sec. 20 - - - - - 22.13 acres  
Total Area - - - - - 159.91 acres

IMPROVEMENTS

An adobe dwelling; 14 x 12 ft., the long side extending N. and S., and the NE. cor. of which bears S. 76° 00' W., 15.30 chs. from cor. No. 7 of this survey.

Estimated Value - - - - - \$50.00

Approximately 1 mile of wire fencing:

Estimated Value - - - - - \$100.00

Approximately 9 acres of cultivated land.

DESCRIPTION

This claim is situated on the E. slope of the Patagonia Mountains at an elevation of approximately 5200 ft., and is chiefly valuable for agriculture.

The slopes support a stand of oak brush. No timber on this claim.

The water for domestic purposes is hauled 3 miles. None is needed for irrigation. It could be impounded for stock.

The bottom soil is a rich dark clay loam and very fertile. Good crops of corn, beans, sorghums and grain have been produced.

This section is not mineralized, and no townsites,



HOMESTEAD ENTRY SURVEY NO. 309

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

mining, coal or oil claims are known to have been located in this vicinity.

San Rafael post office is 3 miles by wagon road in a southeasterly direction. Patagonia railway station is 12 miles in a northwesterly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H. E. No. 014824 adjoins this claim on the N. and H. E. No. 014818 adjoins it on the north and west.

3.55 acres of agricultural and grazing land were included to complete the 160 acres as desired by the claimant. It was not included to the east, since a well dug by the Stockmen's Association would have been included.

TRAVERSE- Sec. 17.

Cor.	Course	Dist.	N	S	E	W
1-3	S. 89° 51' W.	27.55		0.07		27.55
3-4	N. 0° 33' W.	20.08	20.08			0.19
4-5	S. 89° 47' W.	20.12		0.08		20.12
5-6	N. 0° 40' W.	10.03	10.03			0.12
6-7	N. 89° 46' E.	50.29	0.20		50.29	
7-8	S. 0° 22' E.	9.80		9.80	0.06	
8-9	N. 86° 54' E.	14.00	.76		13.98	
9-10	S. 24° 02' E.	12.98		11.85	5.29	
10-1	S. 66° 49' W.	23.56		9.27		21.66
		188.41	31.07	31.07	69.62	69.64
Error in Lat. and Dep.				31.07		69.62
				.00		.02

Closing error 1:9420

Sec. 20.

Cor.	Course	Dist.	N	S	E	W
1-2	S. 59° 36' W.	31.89		16.14		27.51
2-3	N. 0° 12' W.	16.06	16.06			0.06
3-1	N. 89° 51' E.	27.55	0.07		27.55	
		75.50	16.13	16.14	27.55	27.57
Error in Lat. and Dep.				16.13		27.55
				.01		.02

Closing error 1:3376

Survey completed January 13, 1915.

*Walter G. Turley*  
Surveyor - Forest Service



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HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF ALABAMA

Chains

mining, coal or oil claims are known to have been located in this vicinity. San Rafael post office is 3 miles by wagon road in a southeasterly direction. Patagonia railway station is 12 miles in a northwesterly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H. E. No. 014824 adjoins this claim on the N. and H. E. No. 014818 adjoins it on the north and west. 3.55 acres of agricultural and grazing land were included to complete the 160 acres as desired by the claimant. It was not included to the east, since a well dug by the Stockmen's Association would have been included.

TRAVERSE - Sec. 17.

Cor.	Course	Dist.	N	S	E	W
1-3	81° 31' W.	27.55		0.07		27.55
3-4	0° 33' W.	30.08	30.08			0.19
4-5	89° 47' W.	30.12		0.08		30.12
5-6	0° 40' W.	10.03	10.03			0.12
6-7	89° 46' E.	30.32		0.30	30.32	
7-8	0° 32' E.	9.80		9.80	0.06	
8-9	88° 34' E.	14.09		.76	13.38	
9-10	84° 02' E.	12.38		11.85	0.53	
10-1	86° 49' W.	23.55		2.27		21.28
		128.41	31.07	21.07	62.62	69.64
Error in lat. and Dep.				00.		02.

Closing error 1:9480

Sec. 20.

Cor.	Course	Dist.	N	S	E	W
1-2	89° 36' W.	31.89		16.14		27.51
2-3	0° 12' W.	16.06	16.06			0.06
3-1	89° 31' E.	27.55		0.07	27.55	
		75.50	16.13	16.14	27.55	27.57
Error in lat. and Dep.				01.		02.

Closing error 1:3376

Survey completed January 13, 1915.

*[Signature]*  
Surveyor - Forest Service



DIRECTIONS.—1. Carry out calculations to two decimals only.  
2. In balancing Latitudes and Departures do not obliterate or change the original figures. Do not change the footing of the original figures. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures. 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. 309, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.		
			NORTH.	SOUTH.	EAST.	WEST.					
Sec. 17	N. 0° 40' W.	40.14	40	14							
	N. 0° 10' W.	40.29	40	29							
	N. 89° 54' E.	40.09		07	40	09					
	N. 89° 46' E.	40.35		16	40	35					
	S. 0° 10' E.	40.13		40	13						
	S. 0° 10' E.	14.39		14	39	04					
	S. 89° 57' W.	8.23			01			8	23		
	S. 0° 02' E.	23.17			23	17	01				
	S. 0° 07' W.	2.70			2	70			01		
	S. 89° 51' W.	71.82			19			71	82		
Sec. 20			80	66	80	59	80	61	80	65	
				59				80	61	80	61
				07						04	
	N. 89° 51' E.	71.82		19			71	82			
	S. 0° 07' W.	80.22			80	22				16	
	N. 89° 55' W.	31.35		05					31	35	
	S. 89° 51' W.	40.16			10				40	16	
	N. 0° 10' W.	80.46			46					23	
				80	70	80	39	71	82	71	90
					39					71	82
				31						08	

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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. 309, STATE OF Arizona

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 20									
1-2	S. 59° 36' W.	31.89		16 14		27 51	27 62		445 51
2-3	N. 0° 12' W.	16.06				0 06	0 06	0 96	
3-1	N. 89° 51' E.	27.55				27 55	27 56	1 93	
		75.50	16 13	16 14	27 55	27 57		2 89	445 51
			16 13	16 13	27 56	27 56			2 89
							20	442 62	22 13 acres.
Closing error 1:3376.									
Sec. 17									
1-3	S. 89° 51' W.	27.55		0 07		27 55	68 40		4 79
3-4	N. 0° 33' W.	20.08				0 19	40 67	816 65	
4-5	S. 89° 47' W.	20.12		0 08		20 12	20 36		1 63
5-6	N. 0° 40' W.	10.03				0 12	0 12	1 20	
6-7	N. 89° 46' E.	50.29			30	50 29	50 30	10 06	
7-8	S. 0° 22' E.	9.80		9 80		0 06	100 66		986 47
8-9	N. 86° 54' E.	14.00				13 98	114 70	87 17	
9-10	S. 24° 02' E.	12.98		11 85		5 29	133 97		1587 54
10-1	S. 66° 49' W.	23.56		9 27		21 66	117 60		1090 15
		188.41	31 07	31 07	69 62	69 64		915 08	3670 58
			31 07	31 07	69 63	69 63			915 08
							20	2755 50	137 78 acres.
Closing error 1:9420									

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EMH



APPROVAL

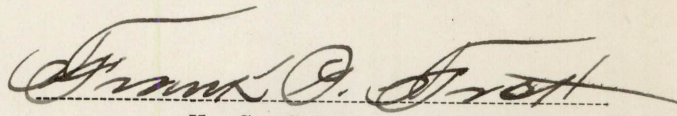
Office of the United States Surveyor General,

Phoenix, Arizona, August 8, 1917

The foregoing field notes of Homestead Entry Survey No.

309

executed by Walter G. Turley, Surveyor, [Forest Service Title.]  
under his special instructions, dated October 17, 1914, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

  
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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.

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Frank P. Trott  
U. S. Surveyor General.