

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 411

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 3 , unsurveyed, Township 10 N., Range 15 E.

417 add.

MAR 2 - 1911  
JUN 5 - 1911

of the

Gila and Salt River Base & Meridian.

State of

ARIZONA

Applicant for listing Alfons Schalck, ✓  
 Residence Heber, Arizona  
 Application No. 409 ✓ , dated January 7 , 1914 ✓  
 List No. 3-3086 ✓ , dated March 2 , 1914 ✓

Applicant for survey Alfons Schalck,  
 Residence Heber, Arizona  
 H. E. No. 025541 ✓ , dated August 15 , 1914  
 Office  
 Land District Phoenix, Arizona

Survey executed by Walter G. Turley, Surveyor - Forest Service  
[Forest Service Title.]  
 Under special instructions dated September 23 , 1915 ✓  
 Survey commenced March 21 , 1916  
 Survey completed March 22 , 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. **411**, 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. Baecht*, Chainman  
*Ferry D. Lewis*, Chainman  
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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  
**September 23**, 1915, 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. **3-3086**, dated **March 2**, 1914, for  
under the Act of **June 11**, 1906,  
the same to be known as Homestead Entry Survey No. **411**,  
situated within the **TONTO** National Forest, in  
**un**surveyed Section **3**, Township **10 N.**, Range **15 E.**, and  
--surveyed Section - - - - , Township - - - - , Range - - - - ,

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*

*Elaine C. Myers*  
*Notary Public*



## TONTONATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing, Alfons Schalck; Application No. 409, dated January 7, 1914; List No. 3-3086, dated March 2, 1914; Homestead Entry No. 025541, made in the Phoenix Land Office on August 15, 1914 by Alfons Schalck whose post office address is Heber, Arizona.

Surveyed under Acts of June 11, 1906 and March 4, 1915, together with special instructions from the Surveyor General for Arizona, dated September 23, 1915 and designated as Homestead Entry Survey No. 411.

Situated in what will probably be, when surveyed, sec. 3, T. 10 N., R. 15 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced March 21, 1916 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. 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.

March 21, 1916.

I set up my transit over cor. H-1 of List 3-3086, which is a sandstone 14 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with

Chains

instructions at 5h. 30m. 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.  $34^{\circ} 14' 47''$  N. and Long.  $110^{\circ} 47' 21''$  W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., March 21, 1916, 5h. 40.0m.

Astron. l.m.t. U.C. Pol., March 21, 1916, 1h. 32.6m.

Hour angle Pol. at obsn., 4h. 07.4m.

Azimuth Pol. at obsn.,  $1^{\circ} 13' 24''$  W.

With my transit set up over cor. H-1 of List 3-3086, heretofore described, and with telescope reversed in altitude and azimuth at 5h. 51m. 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., March 21, 1916, 5h. 51.0m.

Astron. l.m.t. U.C. Pol., March 21, 1916, 1h. 32.6m.

Hour angle Pol. at obsn., 4h. 18.6m.

Azimuth of Pol. at obsn.,  $1^{\circ} 15' 24''$  W.

March 22, 1916.

I turn off  $1^{\circ} 13-1/2'$ , the azimuth of Polaris, to the E. from its direction at 5h. 40.0m. l.m.t., March 21, 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  $1^{\circ} 15-1/2'$ , the azimuth of Polaris, to the E. from its direction at 5h. 51m. 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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tion. This line falls  $0^{\circ} 00' 04''$  of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set 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  $34^{\circ} 14' 47''$  N., and Longitude  $110^{\circ} 47' 21''$  W.

at cor. No. 1 of this survey, by account from values stated in the special instructions of the Surveyor General. It was raining at apparent noon and therefore not possible to check the latitude by direct observation.

My watch is set for Standard 105th. Meridian time, from which I subtract 23m. 09s. for l.m.t.

Observed magnetic declination at cor. No. 1 at 8h. 00m. a.m.,  $14^{\circ} 30'$  E. Mean mag. decl.,  $14^{\circ} 27'$  E.

## RETRACEMENT

Thence East.

On a random line from the  $1/4$  sec. cor. to secs. 3 and 34, Ts. 10 and  $10-1/2$  N., R. 15 E., which is a sandstone 8 x 6 x 10 ins. above ground, chiseled  $1/4$  on the N. face with mound of stone 2 ft. base,  $1-1/2$  ft. high N. of cor., from which:

A 14 in. white oak, bears N.  $23^{\circ} 30'$  E., 52 lks.;

blazed and scribed  $1/4$  S 34 BT.

A 12 in. white oak, bears S.  $67^{\circ} 30'$  W., 35 lks.,

blazed and scribed  $1/4$  S 3 B.T.

40.13 Fall 6 lks. N. of cor. to secs. 2, 3, 34 and 35, which is a limestone 6 x 5 x 4 ins. above ground, marked and witnessed as described by the Surveyor General.

Return course N.  $89^{\circ} 55'$  W.

Chains	BOUNDARIES OF CLAIM
	Beginning at cor. No. 1, and C. C. on line bet. secs. 3 and 34.
	Identical with cor. H-1 of List 3-3086, which is a sandstone 14 x 4 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. 1 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 quartzite stone 24 x 12 x 6 ins., 14 ins. in the ground; chiseled (+) at the point, C C on SSE. face and 1 - H E S 411 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SSE. of cor., from which:
	A 28 in. pine bears S. 59° 00' W., 22 lks., blazed and scribed 1 H E S 411 + B T.
	A 16 in. pine bears S. 5° 51' W., 34 lks., blazed and scribed 1 H E S 411 + B T.
	1/4 sec. cor. to secs. 3 and 34, heretofore described, bears N. 89° 55' W., 12.80 chs.
	Cor. to secs. 2, 3, 34 and 35, heretofore described, bears S. 89° 55' E., 27.33 chs.
	Thence S. 89° 55' E.
	Along S. bdy. sec. 34, T. 10-1/2 N., R. 15 E.
	Over timbered bottom.
3.47	Enter cultivated land, bears N. and S.
6.90	Leave cultivated land, bears NNW. and SSE. Asc. W. slope 5 ft.
7.01	To cor. No. 2, and C. C. on line bet. secs. 3 and 34. Identical with cor. H-4 of List 3-3086, which is a sandstone 10 x 3 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses; and, for cor. No. 2 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins.,

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and deposit it 18 ins. in the ground; over which I set a sandstone 28 x 12 x 4 ins. , 18 ins. in the ground; chiseled (+) at the point, C C on the SSE. face and 2 - H E S 411 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SSE. of cor., from which:

A 6 in. walnut bears S. 78° 32' E., 35 lks.,

blazed and scribed 2 H E S 411 + B T.

Pits impracticable. No other witnesses available.

1/4 cor. to secs. 3 and 34 heretofore described

bears N. 89° 55' W. 19.81 chs.

Cor. to secs. 2, 3, 34 and 35 heretofore described

bears S. 89° 55' E. 20.32 chs.

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Thence S. 20° 29' E.

Desc. SW. slope 10 ft. in scattering timber.

9.51 Wire fence bears NE. and SW.

9.66 To cor. No. 3.

Identical with cor. H-3 of List 3-3086, which is a sandstone 12 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses; and, for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 15 ins. in the ground; over which I set a sandstone 25 x 12 x 10 ins., 15 ins. in the ground, chiseled (+) at the point and 3 - H E S 411 on the WNW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, WNW. of cor., from which:

A 32 in. pine bears S. 10° 28' E., 118 lks.,

blazed and scribed 3 H E S 411 + B T.

A 36 in pine bears S. 74° 00' W., 54 lks.,

blazed and scribed 3 H E S 411 + B T.

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Thence N. 89° 52' W.

Over timbered bottom.

0.49 Wire fence bears NE. and SW.

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6.00

To cor. No. 4.

Identical with cor. H-2 of List 3-3086, which is a sandstone 15 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor.

H-2 and its witnesses; and, for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 15 ins. in the ground; over which I set a quartzite stone 25 x 10 x 5 ins., 15 ins. in the ground; chiseled (+) at the point and 4 - H E S 411 on the NE. face; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, NE. of cor., from which:

A 32 in. pine bears N. 26° 23' E., 85 lks.,

blazed and scribed 4 H E S 411 + B T.

A 22 in. pine bears S. 28° 50' E., 16 lks.,

blazed and scribed 4 H E S 411 + B T.

Thence N. 25° 47' W.

Asc. timbered bottom.

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

AREA

Total Area - - - - - 5.88 acres.

IMPROVEMENTS

The improvements constructed for the benefit of this homestead are located upon that portion of claimant's entry 025541, described by legal subdivisions, in sec. 34, T. 10-1/2 N., R. 15 E.

DESCRIPTION

This claim is on Canyon Creek, a tributary to Cherry Creek and Salt River, and is valuable for stock raising. This section is well timbered, and some mature pine trees



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are included in this survey.

Sufficient water for all purposes flows in Canyon Creek. The soil is a dark sandy loam and produces the ordinary crops of the temperate zone. Good crops have been raised.

This section is not reported to be mineralized and no townsites, coal, oil or mining claims are known to have been located in this vicinity.

Heber post office is 23 miles in a Northeasterly direction by trail and wagon road, and Holbrook railway station is 52 miles beyond Heber in the same direction.

There are no conflicts. This survey is joined on the North by portion of claimant's entry 025541, embracing the following legal subdivisions: S/2 SE/4 NW/4, NW/4 SE/4 NW/4, SW/4 NE/4 NW/4, W/2 NE/4 SW/4, N/2 SE/4 SW/4, SE/4 SE/4 SW/4, W/2 SW/4 SE/4, SE/4 SW/4 SE/4, sec. 34, T. 10-1/2 N., R. 15 E.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 89° 55' E.	7.01		0.01 ✓	7.01 ✓	
2-3	S. 20° 29' E.	9.66		9.05 ✓	3.38 ✓	
3-4	N. 89° 52' W.	6.00	0.01 ✓			6.00 ✓
4-1	N. 25° 47' W.	10.06	9.06 ✓			4.38 ✓
		<u>32.73</u>	<u>9.07</u>	9.06	<u>10.39</u>	<u>10.38</u>
			<u>9.06</u>		<u>10.38</u>	
	Error in Lat. and Dep. ✓		<u>.01</u>		<u>.01</u>	

Closing error, 1:2314.

Survey completed March 22, 1916.

*Walter G. Tusley*

Surveyor - Forest Service

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are included in this survey. Sufficient water for all purposes flows in Canyon Creek. The soil is a dark sandy loam and produces the ordinary crops of the temperate zone. Good crops have been raised. This section is not reported to be mineralized and no townships, coal, oil or mineral claims are known to have been located in this vicinity. Heber post office is 33 miles in a northeasterly direction by trail and wagon road, and Holbrook railway station is 33 miles beyond Heber in the same direction. There are no conflicts. This survey is joined on the north by portion of claimant's entry 05541, embracing the following legal subdivisions: 2 1/2 SW 1/4, NW 1/4, SE 1/4 NW 1/4, SW 1/4 NE 1/4, W 1/2 NE 1/4 SW 1/4, N 1/2 SE 1/4 SW 1/4, SE 1/4 SW 1/4, W 1/2 SW 1/4 SE 1/4, SE 1/4 SW 1/4 SE 1/4, sec. 24, T. 10-N, R. 15-E.

TRAVELER

Cor.	Course	Dist.	N	S	E	W
1-2	8.32° 32'	7.01		0.01	0.01	
2-3	8.30° 32'	9.66		0.05	0.38	
3-4	8.32° 32'	8.00	0.01			8.00
4-1	8.32° 32'	10.08	9.08			9.38
		32.73	9.07	9.08	10.38	10.38
Error in lat. and dep.			0.01			0.01
Closing error, f: 3314.						

Survey completed March 22, 1916.

*[Handwritten signature]*

Surveyor - Forest Service



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona JUL 3 1917 , 191

The foregoing field notes of Homestead Entry Survey No.

411

executed by *Halter S. Turley, Surveyor* [Forest Service Title.]  
under his special instructions, dated *Sept. 23*, 1915, 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*  
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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.