

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 2 - 1917

410

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 410

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. **3**

In Section **23** , unsurveyed, Township **9 N.** , Range **12 E.**

In Section **26** , unsurveyed, Township **9 N.** , Range **12 E.**

of the

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

State of

**ARIZONA**

Applicant for listing **John Alfred Clark,**  
 Residence **Young, Arizona**  
 Application No. **385** ✓ , dated **January 10** , 1913 ✓  
 List No. **3-2994** ✓ , dated **December 31** , 1913 ✓

Applicant for survey **John Alfred Clark,** ✓  
 Residence **Young, Arizona.**  
 H. E. No. **025229** ✓ , dated **June 3** , 1914 ✓  
 Office **Phoenix, Arizona**  
 Land District ~~District~~

Survey executed by **Walter G. Turley,** Surveyor - Forest Service  
[Forest Service Title.]  
 Under special instructions dated **September 23** , 1915 ✓  
 Survey commenced **March 16** , 1916  
 Survey completed **March 17** , 1916  
 Under Acts of **June 11, 1906 and March 4, 1915** ✓

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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. **410**, 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*, Chairman  
*Ferry D. Lewis*, Chairman

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. **3-2994**, dated **December 31**, 1913, for  
the same to be known as Homestead Entry Survey No. **410**,  
situated within the **TONTON** National Forest, in  
**un**surveyed Section **23**, Township **9 N.**, Range **12 E.**, and  
**un**surveyed Section **26**, Township **9 N.**, Range **12 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. Meyer*  
Notary Public



8-2349

My Commission expires April 20, 1918.

## TONTONATIONAL FOREST

## STATE OF ARIZONA

Chains

Applicant for listing John Alfred Clark; Application No. 385, dated January 10, 1913; List No. 3-2994, dated December 31, 1913; Homestead Entry No. 025229, made in the Phoenix Land Office on June 3, 1914 by John Alfred Clark, whose post office address is Young, 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. 410.

Situated in what will probably be, when surveyed, in secs. 23 and 26, T. 9 N., R. 12 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced March 16, 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 16, 1916

I set up my transit over cor. H-2 of List 3-2994, which is a sandstone 8 x 6 x 5 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.  $34^{\circ} 07' 16''$  N. and Long.  $111^{\circ} 04' 52''$  W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., March 16, 1916, 5h. 30.0m.

Astron. l.m.t. U.C. Pol., March 16, 1916, 1h. 52.3m.

Hour angle Pol. at obsn., 3h. 37.7m.

Azimuth Pol. at obsn.,  $1^{\circ} 07' 42''$  W.

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With my transit set up over cor. H-2 of List 3-2994, heretofore described, and with telescope reversed in altitude and azimuth, at 5h. 44m. 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 16, 1916, 5h. 44.0m.

Astron. l.m.t. U.C. Pol., March 16, 1916, 1h. 52.3m.

Hour angle Pol. at obsn., 3h. 51.7m.

Azimuth of Pol. at obsn.,  $1^{\circ} 10' 24''$  W.

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March 17, 1916.

I turn off  $1^{\circ} 07' - 1/2'$ , the azimuth of Polaris, to the E. from its direction at 5h. 30.0m. p.m., l.m.t., March 16, 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  $1^{\circ} 10' - 1/2'$ , the azimuth of Polaris, to the E. from its direction at 5h. 44m. 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. This line falls  $0^{\circ} 00' 42''$  of measured arc to the W. of the line previously established.

## TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains 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  $34^{\circ} 07' 16''$  N. and Longitude  $111^{\circ} 04' 52''$  W. at cor. No. 1, by account from values stated in the special instructions of the Surveyor General. It was cloudy at apparent noon and an observation for latitude could not be made.

My watch is set for Standard 105th. meridian time, from which I subtract 24m. 19s. for l.m.t.

Observed magnetic declination at cor. No. 1 at 8h. 00m. a.m., l.m.t.,  $15^{\circ} 30'$  E. Mean magnetic declination,  $15^{\circ} 27'$  E.

Thence S.  $79^{\circ} 00'$  E.

On a random line from cor. H-2 of List 3-2994, heretofore described.

88.44 I fall 41 lks. to the right of cor. to secs. 19, 24, 25 and 30, T. 9 N., Rs. 12 and 13 E., which is a porphyry stone 8 x 7 x 6 ins. above ground, chiseled with 2 notches on the S. and 4 notches on the N. edges, with mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor.

Thence N.  $79^{\circ} 16'$  W.

On a true line.

88.44 To cor. No. 1.

Identical with cor. H-2 of List 3-2994, which is a sandstone 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. 1 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 16 ins. in the ground; over which I set a

Chains

sandstone 26 x 8 x 8 ins., 16 ins. in the ground; chiseled (+) at the point and 1 - H E S 410 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., from which:

A 9 in. white oak bears S. 12° 06' W., 73 lks.,

blazed and scribed 1 H E S 410 + B T.

A 10 in. white oak bears N. 56° 41' E., 16 lks.,

blazed and scribed 1 H E S 410 + B T.

Cor. H-3 of List 3-2994, which is a sandstone

6 x 5 x 2 ins. above ground, marked and

witnessed as described by the Forest Ser-

vice, bears S. 5° 00' E., 12.00 chs. I

destroy cor. H-3 and its witnesses.

Thence S. 52° 38' W.

Desc. W. slope 15 ft.

2.33 Pole fence bears NNW. and SSE. Leave slope and enter cultivated land.

6.75 Pole fence bears NW. and SE. Leave cultivated land.

8.90 Right bank Spring Creek, 850 lks. wide, 4 ft. high, course NW. Asc. NE. slope 50 ft.

38.79 To cor. No. 2.

Identical with cor. H-4 of List 3-2994, which is a granite stone 8 x 8 x 4 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 5 x 2 ins., and deposit it 24 ins. in the ground, over which I set a sandstone 34 x 16 x 7 ins., 24 ins. in the ground; chiseled (+) at the point and 2 - H E S 40 on the NNE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft.

THE TONTO NATIONAL FOREST

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high, NNE. of cor., from which:

A 28 in. alligator juniper, bears-N. 3° 20' W.,  
61.lks., blazed and scribed 2 H E S 410 + B T.  
+ B R 2 H E S 410 on an imbedded sandstone  
24 x'20 x 8 ins. above ground, bears N. 32°  
04' W., 39 lks.

Thence N. 19° 52' W.

Desc. brushy NE. slope 55-ft.

34.72 Right bank Bread Pan Creek, 80 lks. wide, banks 4 ft.  
high, course ENE. Asc. S. slope 30 ft.

42.12 To cor. No. 3.

Identical with cor. H-5 of List 3-2994, which is a  
sandstone 8 x 6 x 5 ins. above ground, marked and wit-  
nessed as described by the Forest Service. I destroy  
cor. H-5 and its witnesses; and, for cor. No. 3 of this  
survey, I chisel (+) on a stone 4 x 3 x 2 ins., and de-  
posit it 17 ins. in the ground; over which I set a sand-  
stone 27 x 12 x 9 ins., 17 ins. in the ground, chiseled  
(+) at the point and 3 - H E S 410 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. black oak bears N. 45° 35' E., 38 lks.,

blazed and scribed 3 H E S 410 + B T.

A 5 in. black oak bears S. 1° 10' E., 37 lks.,

blazed and scribed 3 H E S 410 + B T.

Note : Cor. H-5 was not a tree as recorded in the list-  
ing field notes.

Thence N. 71° 10' E.

Desc. brushy SE. slope 35 ft.

15.56 Cor. No. 2, H. E. S. No. 161, which is a quartzite stone

Chains 10 x 5 x 10 ins. above ground, chiseled + at the point  
 and 2 - H E S. 161 on the NE. face, with a mound of  
 stone 2 ft. base, 1-1/2 ft. high NE. of cor., from  
 which:  
 A 12 in. oak bears N. 73° 40' W., 100 lks.,  
 blazed and scribed 2 H E S 161 + B T.  
 A 9 in. oak bears S. 33° 00' W., 57 lks.,  
 blazed and scribed 2 H E S 161 + B T.  
 Continue along line 2-1 of H. E. S. No. 161.  
 15.91 Left bank of Bread Pan Creek, 6 ft. high, course NE.  
 Creek bed 80 lks. wide.  
 18.16 Junction of Bread Pan Creek with Spring Creek. Enter  
 Spring Creek, course N.-E.  
 23.69 Right bank Spring Creek, 6 ft. high, course N. Con-  
 tinue over island bar.  
 23.75 Fence cor. bears N. 71° 10' E. and SSE.  
 27.69 Left bank fork of Spring Creek, 190 lks. wide, banks  
 3 ft. high, course NNW. Asc. open ground 5 ft.  
 31.58 Fence cor. bears SSE. and S. 71° 10' W.  
 31.59 To cor. No. 4.  
 Identical with cor. H-1 of List 3-2994. Also cor. No.  
 1 of H. E. S. 161. Cor. H-1 is a sandstone 6 x 8 x  
 16 ins., marked and witnessed as described by the For-  
 est Service, lying on top of ground alongside of cor.  
 No. 1 of H. E. S. 161, which is a schist stone 15 x 5  
 x 10 ins. above ground, chiseled + at the point and  
 1 - H E S 161 on NW. face, with mound of stone 2 ft.  
 base, 1-1/2 ft. high, NW. of cor. I destroy cor. H-1  
 and its witnesses, and for cor. No. 4 of this survey,  
 I chisel 4 - H E S 410 on the SSW. face of the stone  
 set for cor. No. 1 of H. E. S. 161, from which:



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Chains	<p>A 12 in. black willow bears N. 52° 20' W., 56 lks., blazed and scribed 4 H E S 410 and 1 H E S 161 + BT.</p> <p>A 19 in. oak bears S. 58° 45' E., 128 lks., blazed and scribed 4 H E S 410 and 1 H E S 161 + B T.</p>
	<p>Thence S. 30° 09' E.</p> <p>Asc. brushy NW. slope 30 ft.</p> <p>9.80 Point of ridge bears E. and W. Desc. SW. slope 25 ft.</p> <p>18.20 Leave slope and enter bottom, bears NW. and SE.</p> <p>23.20 Leave bottom, bears N. and S. Asc. NW. slope 20 ft.</p> <p>30.33 To cor. No. 1, the place of beginning.</p>

AREA

Total Area - - - - - 124.87 acres

IMPROVEMENTS

A stone dwelling 20 x 14 ft., the long side extending E. and W. and the NE. cor. of which bears S. 37° 30' W., 19.78 chs. from cor. No. 4 of this survey.

Estimated value ----- \$250.00

A stone cellar 14 x 12 ft., the long side extending E. and W. and the NE. cor. of which bears S. 36° 40' W., 19.31 chs. from cor. No. 4 of this survey.

Estimated value ----- \$ 75.00

A stone shed 40 x 16 ft., the long side extending N. and S. and the NE. cor. of which bears S. 36° 00' W., 19.59 chs. from cor. No. 4 of this survey.

Estimated value ----- \$150.00

Approximately 1 mile of fencing.

HOMESTEAD ENTRY SURVEY NO. 410

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains Estimated value ----- \$100.00  
 Approximately 20 acres of cultivated land.

DESCRIPTION

This claim is located on Spring Creek, a tributary to the Tonto and is valuable for general farming and stock raising.

There is no timber in this section. Sycamore, cottonwood and ash grow along the creek.

The soil is a sandy loam and produces the ordinary crops of the temperate zone. Good crops of corn and the sorghums have been raised.

Water for all purposes flows in Spring Creek.

Mineral is reported to have been discovered to the Southeast of this claim.

Young post office is 9 miles by trail in an Easterly direction and Holbrook railway station is 115 miles by wagon road beyond Young in a Northeasterly direction.

A portion of List 3-2994 on the Southeast was excluded from this survey, in accordance with the desires of the entryman, in order to eliminate conflict with an unsurveyed mining claim, the boundaries of which were not well defined or staked. H. E. S. No. 161 adjoins this claim on the North.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 52° 38' W.	38.79		23.54		30.83
2-3	N. 19° 52' W.	42.12	39.61			14.31
3-4	N. 71° 10' E.	31.59	10.20		29.90	
4-1	S. 30° 09' E.	30.33		26.23	15.23	
			142.83	49.81	49.77	45.13
				49.77		45.13
Error in Lat. and Dep.				.04		.01

Closing error, 1:3464.

Survey completed March 17, 1916.

*Walter J. Turley*  
 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.  
 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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 410, STATE OF Arizona, Ponto.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	S. 52° 38' W.	38.79		23 54		30 83	59 43				1399 58 ✓
2-3	N. 19° 52' W.	42.12	39 61			14 31	14 30		566 28 ✓		
3-4	N. 71° 10' E.	31.59	10 20		29 90		29 90		304 68 ✓		
4-1	S. 30° 09' E.	30.33		26 23	15 23	45 14	75 03				1968 79 ✓
		142.83	49 81	49 77n	45 13	45 14			870 96		3368 37
			49 79	49 79	45 13	45 13					870 96
											2497 41
											124 87 Acres.
Closing error, 1.13464.											

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APPROVAL

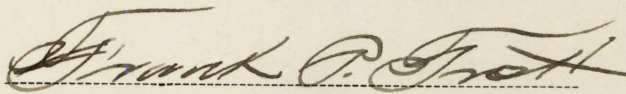
Office of the United States Surveyor General,

Phoenix, Arizona, June 19 , 1917.

The foregoing field notes of Homestead Entry Survey No.

410

executed by **Walter G. Turley, Surveyor-Forest Service**  
[Forest Service Title.]  
under his special instructions, dated **September 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.

  
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.