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U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

FEB 3 - 1917

429

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 429

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 12, unsurveyed, Township 6 N., Range 13 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicants for listing S. B. Charlie and Wilton H. Yerden,

Residence Kirby, Arizona

Application No. 410, dated June 5, 1913

Application No. 531, dated November 7, 1914

List No. 3-2783, dated October 15, 1913

Applicant for survey Wilton H. Yerden,

Residence Kirby, Arizona

H. E. No. 025848, dated October 10, 1914

Office

Land District Phoenix, Arizona

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

Under special instructions dated November 4, 1915

Survey commenced March 10, 1916

Survey completed March 11, 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. **429**, 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 G. Baechty*, Chairman  
*Fred D. Lewis*, Chairman  
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Subscribed and sworn to before me this *twenty ninth* 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  
**November 4**, 19**15**, 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 No. **3-2783**, dated **October 15, 1913**, and a tract  
of land upon the application of **Wilton H. Yerden**,

Application, No. **531**, dated **November 7, 1914**, for  
Patent, under the Act of **June 11, 1906**,  
the same to be known as Homestead Entry Survey No. **429**,  
situated within the **TONTO** National Forest, in  
unsurveyed Section **12**, Township **6 N.**, Range **13 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*.

*Elsie C. Myers*  
Notary Public



## TONGO NATIONAL FOREST

## STATE OF ARIZONA

Chains Applicant for listing S. B. Charlie; Application No. 410, dated June 5, 1913; List No. 3-2783, dated October 15, 1913; Homestead Entry No. 025848, made in the Phoenix Land Office on October 10, 1914 by Wilton H. Yerden, whose post office address is Kirby, Arizona. Also adjoining unlisted land on the NE., East, SE. and SW. 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 No. 025848. Application No. 531, dated November 7, 1914.

Surveyed under Acts of June 11, 1906 and March 4, 1915, together with special instructions from the Surveyor General for Arizona, dated November 4, 1915, and designated as Homestead Entry Survey No. 429.

Situated in what will probably be, when surveyed, sec. 12, T. 6 N., R. 13 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

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Survey commenced March 10, 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

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains steel tape graduated to links and tenths. The slope angles were determined with a clinometer, the vernier of which reads to degrees.

March 10, 1916.

I set up my transit over cor. R-1 of Reynolds Creek Ranger Station and North cor. of List 3-2783, which is a quartzite stone 10 x 5 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. 30m. p.m., 1.m.t., and mark the direction thus determined by a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in Lat. 33° 52' 23" N. and Long. 110° 58' 15" W., from special instructions of the Surveyor General.

Astron. 1.m.t. obsn., March 10, 1916, 6h. 30.0m.

Astron. 1.m.t. U.C. Pol., March 10, 1916, 2h. 15.9m.

Hour angle Pol. at obsn., 4h. 14.1m.

Azimuth Pol. at obsn., 1° 14' 06" W.

With my transit set up over cor. R-1 of Reynolds Creek Ranger Station, heretofore described, and with telescope reversed in altitude and azimuth, at 6h. 44m. p.m. 1.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. 1.m.t. obsn., March 10, 1916, 6h. 44.0m.

Astron. 1.m.t. U.C. Pol. March 10, 1916, 2h. 15.9m.

Hour angle Pol. at obsn., 4h. 28.1m.

## TONTON NATIONAL FOREST

## STATE OF ARIZONA

Chains

Azimuth of Pol. at obsn.,  $1^{\circ}16'12''$  W.

March 11, 1916.

I turn off  $1^{\circ}14'$ , the azimuth of Polaris, to the E. from its direction at 6h. 30m. p.m. l.m.t., March 10, 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  $1^{\circ}16'12''$ , the azimuth of Polaris, to the E. from its direction at 6h. 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  $0^{\circ}00'28''$  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.

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Latitude  $33^{\circ}52'23''$  N. and Longitude  $110^{\circ}58'15''$  W.

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

My watch is set for Standard 105th. Meridian time, from which I subtract 23m. 53s. for l.m.t.

Observed mag. decl. at cor. No. 1 of this survey at 8h. 00m. a.m.,  $15^{\circ}45'$  E. Mean mag. decl.,  $15^{\circ}42'$  E.

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Chains	<p>Beginning at cor. No. 1.</p> <p>Identical with cor. R-1 of the Reynolds Creek Ranger Station and N. cor. of List 3-2783, which is a quartzite stone, 10 x 5 x 5 ins. above ground, marked and witnessed as described, by the Forest Service. I destroy the witnesses which refer to List 3-2783, and for cor. No. 1 of this survey, I chisel (+) on a stone 4 x 4 x 3 ins. and deposit it 17 ins. in the ground, over which I set a diorite stone 27 x 10 x 7 ins., 17 ins. in the ground; chiseled (+) at the point and 1 - H E S 429 on the S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of cor., from which:</p> <p>A 15 in. pine bears N. 65° 15' E., 32 lks., blazed and scribed 1 H E S 429 + B T.</p> <p>A 12 in. black oak bears S. 35° 00' E., 75 lks., blazed and scribed 1 H E S 429 + B T.</p> <p>1/4 cor. on S. bdy. sec. 36, T. 7 N., R. 13 E., which is a quartzite stone 15 x 15 x 8 ins. above ground, marked and witnessed as described by the Surveyor General, bears N. 4° 46' 42" W., 138.88 chs., by traverse, details of which are hereto attached.</p> <hr/> <p>Thence S. 49° 46' E.</p> <p>Asc. rolling brushy W. slope 15 ft. Over unlisted land.</p> <p>9.20 Point of ridge bears NE. and SW. Desc. SW. slope 5 ft.</p> <p>17.42 Trail bears E. and W.</p> <p>26.82 To cor. No. 2.</p> <p>I chisel + at the point and 2 - H E S 429 on the W.</p>
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TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains  
face of an embedded sandstone 36 x 24 x 24 ins. above  
ground; and raise a mound of stone 4 ft. base, 2 ft.

high, E. of cor., from which: enter base:

A 9 in. black oak bears N. 26° 30' W., 15 lks.,

blazed and scribed 2 H E S. 429 + B T.

A 5 in. white oak bears S. 29° 10' W., 37 lks.,

blazed and scribed 2 H E S. 429 + A B T.

Note: It was impracticable to place mound in any other  
position.

Thence S. 80° 40' W.

Desc. brushy W. slope 10 ft.

0.30 Irrigating ditch, 12 lks. wide, banks 1 ft. high, course

NW.

1.85 Right bank Reynolds Creek, 3 ft. high, course NW., 50

lks. wide.

2.60 Left bank Reynolds Creek, course NW. Asc. brushy N.

slope 10 ft.

11.70 Cease ascending and desc. W. slope 5 ft.

19.10 Intersect line H-1 to H-2 of List 3-2783 at a point

N. 58° 00' E., 3.05 chs. from cor. H-1 and S. 58° 00'

W., 9.50 chs. from cor. H-2. Enter listed land.

23.64 Intersect line R-2 to H-1 of List 3-2783 at a point

S. 62° 00' E., 3.10 chs. from R-2 and N. 62° 00' W.,

1.87 chs. from H-1. Leave listed land.

25.06 Forest Service telephone line bears N. and S.

25.15 Kirby - Young wagon road bears N. and S.

25.58 Honey Creek, 17 lks. wide, banks 2 ft. high, course N.

Asc. NE. slope 10 ft.

26.81 To cor. No. 3.

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

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

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains a sandstone 24 x 14 x 5 ins., 14 ins. in the ground;  
 chiseled (+) at the point and 3- H E S 429 on the NE.  
 face; and raise a mound of stone 2 ft. base, 1-1/2 ft.  
 high, NE. of cor., from which:  
 A 12 in. white oak bears N. 36° 25' E., 22 lks.,  
 blazed and scribed 3 H E S 429 + B T.  
 A 5 in. black oak, bears S. 71° 35' E., 30 lks.,  
 blazed and scribed 3 H E S 429 + B T.

Thence N. 15° 24' E.

Desc. brushy NE. slope 15 ft.

1.96 Cor. R-2 of Reynolds Creek Ranger Station, also SW. cor.  
 List 3-2783 (cor. not marked for listing survey), which  
 is a sandstone 9 x 6 x 8 ins. above ground, chiseled  
 R-2 on NNW. face, with mound of stone 2 ft. base,  
 1-1/2 ft. high NNW. of cor., from which:  
 A 10 in. pine bears S. 49° 50' E., 32 lks.,  
 blazed and scribed R 2 B T.  
 A 10 in. pine bears S. 41° 05' W., 65 lks.,  
 blazed and scribed R 2 B T.

Leave unlisted and enter listed land.

3.60 Kirby - Young wagon road bears N. and S.  
 3.63 Forest Service telephone line bears N. and S.  
 5.68 Left bank Honey-Creek, 20 lks. wide, banks 3 ft. high,  
 course NW. Continue descending, N. slope 10 ft.  
 9.08 Left bank Reynolds Creek, 200 lks. wide, banks 4 ft.  
 high, course WNW. Asc. rolling SW. slope 10 ft.  
 22.47 To cor. No. 1, the place of beginning.

Cors. H-1, H-2, H-3, H-4 and H-5 of the list survey,

which were set, marked and witnessed as described by

tee I holdw xvo, bnorg ent ni .ant Al jr rinoqb bus



TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

the Forest Service, were destroyed.

AREA

Area of listed land - - - - -	18.63 acres
Area of unlisted land - - - - -	8.72 acres
Total Area - - - - -	27.35 acres

IMPROVEMENTS

A frame stable, 20 x 18 ft., the long side extending N. and S. and the NW. cor. of which bears S. 4° 45' E., 10.35 chs. from cor. No. 1 of this survey.

Estimated value ----- \$100.00

A log dwelling, 20 x 16 ft.; the long side extending E. and W. and the NW. cor. of which bears S. 23° 45' E., 7.80 chs. from cor. No. 1 of this survey.

Estimated value ----- \$200.00

Approximately 3/4 mile of fencing.

Estimated value ----- \$ 50.00

Approximately 6 acres of cultivated land.

DESCRIPTION

This claim is on Reynolds Creek, a tributary to Salt River. and is valuable for gardening and stock raising. There is some timber in this section and a few trees are included in this survey.

Water for all purposes flows in Reynolds Creek.

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

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

HOMESTEAD ENTRY SURVEY NO. 429

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains Kirby post office is 23 miles in a Southerly direction and Globe railway station is 49 miles by wagon road in a Southeasterly direction.

There are no conflicts. Reynolds Creek Ranger Station adjoins this claim on the Northwest, and H E S 155 lies about 1/4 of a mile, North.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 49° 46' E.	26.82		17.32	20.47	
2-3	S. 80° 40' W.	26.81		4.35		26.46
3-1	N. 15° 24' E.	22.47	21.66		5.97	
		<u>76.10</u>	<u>21.66</u>	<u>21.67</u>	<u>26.44</u>	<u>26.46</u>
Error in Lat. and Dep.				<u>21.66</u>		<u>26.44</u>
				.01		.02

Closing error, 1:3403.

Survey completed March 11, 1916.

*Walter G. 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 429, STATE OF ARIZONA. Tonto.

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 49° 46' E.	26.82		17 32	20 47	26 46	32 42		561 19 ✓
2-3	S. 80° 40' W.	26.81		4 35		26 46	26 45		115 06 ✓
3-1	N. 15° 24' E.	22.47	21 66		5 97		5 97	129 31 ✓	
		76.10	21 66	21 67	26 44	26 46		129 31	676 25
			21 66	21 66	26 45	26 45			129 31
									546 94
									27 35 Acres.
	Closing error, 1:3403.								

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EMH

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

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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. 429, STATE OF ARIZONA, Tonto.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	Traverse from 1/4 cor. on S. bdy. sec. 36, T. 7 N., R. 13 E. to cor. No. 1.								
	S. 6° 25' E.	52.31		51 98 ✓	5 85 ✓				
	N. 89° 00' E.	19.78	0 35 ✓	76 56 ✓	19 78 ✓				
	S. 15° 53' W.	79.60				21 78 ✓			
	S. 37° 05' E.	12.80		10 21 ✓	7 72 ✓				
			0 35	138 75	33 35	21 78			
	N. 4° 46' 42" W.	138.88 ✓	138.40			11 57			
			138 75	138 75	33 35	33 35			

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COPIES	BEARING	DISTANCE	MILES		SOLAR		EVAL		DEFLECTIONS		DOUBLE W. D.	N. VEERS	S. VEERS
			North	East	South	West	East	West	East	West			
1	138.88	138.88	0	0	138.88	0	0	0	0	0	0	0	0
2	31.02	13.80	0	0	13.80	0	0	0	0	0	0	0	0
3	12.23	18.97	0	0	18.97	0	0	0	0	0	0	0	0
4	88.00	18.91	0	0	18.91	0	0	0	0	0	0	0	0
5	2.22	23.21	0	0	23.21	0	0	0	0	0	0	0	0

TABLES AND CALCULATIONS OF HOMELEAD BENCH SURVEY NO. 439 STATE OF ALABAMA

1. Only three copies of this calculation are necessary for the District Office, the Surveyor General, and the Commissioner.  
 2. In computations of bearings and distances, the bearings are to be reduced to the magnetic bearing, and the distances to the true distance.  
 The corrections for refraction, curvature, and other errors are to be applied to the bearings and distances.  
 But the corrected bearings and distances are to be used in the computation of the bearings and distances.  
 The bearings and distances are to be reduced to the magnetic bearing and distance.  
 The bearings and distances are to be reduced to the true bearing and distance.  
 The bearings and distances are to be reduced to the magnetic bearing and distance.  
 The bearings and distances are to be reduced to the true bearing and distance.

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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 429, STATE OF ARIZONA, Tonto.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
				Listed Area.					
1-H/5	S. 31° 20' E.	8.55		7 30 ✓	4 45 ✓		15 37	112 20 ✓	
H/5-H-4	S. 63° 00' E.	6.41		2 91 ✓	5 71 ✓		25 53	74 29 ✓	
H-4-H-3	S. 27° 00' E.	5.94		5 29 ✓	2 70 ✓		33 94	179 54 ✓	
H-3-H-2	West	3.20				3 20	33 44		
H-2	S. 58° 00' W.	9.50		5 03 ✓	8 06 ✓	8 06 ✓	22 18	111 57 ✓	
	S. 80° 40' W.	4.38		0 71 ✓	4 32 ✓	4 32 ✓	9 80	6 96 ✓	
R-2	N. 62° 00' W.	3.10	1 46 ✓		2 74 ✓	2 74 ✓	2 74		
R-2-1	N. 15° 24' E.	20.51	19 77 ✓		5 45 ✓	5 45 ✓	5 46		
		61.59	21.23	21 24	18 31	18 32	112 00	484 56	
			21 24	21 24	18 32	18 32		112 00	
								<u>372 56</u>	
								18 63 Acres.	
	Closing error, 1:4355 ✓								

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APPROVAL

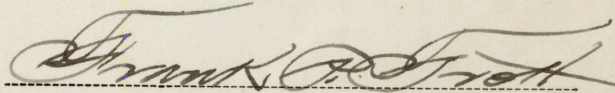
Office of the United States Surveyor General,

Phoenix, Arizona, June 19 , 1917.

The foregoing field notes of Homestead Entry Survey No.

429

executed by **Walter G. Turley, Surveyor-Forest Service**  
[Forest Service Title.]  
under his special instructions, dated **November 4**, 1915, 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.

**Frank P. Trott**  
-----  
U. S. Surveyor General.