

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

MAR 2-1917

406

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 406

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 27 , unsurveyed, Township 6 N., Range 14 E.

In Section 34 , unsurveyed, Township 6 N., Range 14 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing J. M. Curnutt, ✓

Residence Kirby, Arizona

Application No. 369 ✓ , dated September 5 , 1912 ✓

Application No. 433 , dated October 1 , 1913

List No. 3-2267 ✓ , dated February 14 , 1913 ✓

Applicant for survey James M. Curnutt, ✓

Residence Kirby, Arizona

H. E. No. 023353 ✓ , dated September 15 , 1913 ✓

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 27 , 1916

Survey completed March 28 , 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. **406**, 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.

Ferry D. Lewis, Chairman
Curry Peterson, 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, 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. 3-2267, dated February 14, 1913, ✓ and a
tract of land upon the application of J. M. Curmutt,

Application No. **433**, dated **October 1**, 1913, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **406**,
situated within the **TONTO** National Forest, in
unsurveyed Section 27, Township **6 N.**, Range **14 E.**, and
unsurveyed Section 34, Township **6 N.**, Range **14 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

My Commission expires April 20, 1918.

TONTONATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, J. M. Curnutt; Application No. 369, dated September 5, 1912; List No. 3-2267, dated February 14, 1913; Homestead Entry No. 023353, made in the Phoenix Land Office on September 15, 1913 by James M. Curnutt, whose post office address is Kirby, Arizona. Also adjoining unlisted land on the North, East and South-west 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. 023353; application No. 433, dated October 1, 1913. 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. 406. Situated in what will probably be, when surveyed, secs. 27 and 34, T. 6 N.; R. 14 E.; Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced March 27, 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

Chains angles were determined with a clinometer, the vernier of which reads to degrees.

March 27, 1916.

I set up my transit over cor. H-1 of List 3-2267, which is a quartzite stone 6 x 2 x 3 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 5h. 20m. 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. 33° 49' 18" N. and Long. 110° 54' 27" W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., March 27, 1916, 5h. 20.0m.

Astron. l.m.t. U.C. Pol., March 27, 1916, 1h. 08.9m.

Hour angle Pol. at obsn., 4h. 11.1m.

Azimuth Polaris at obsn., 1° 13' 36" W.

With my transit set up over cor. H-1 of List 3-2267, heretofore described, and with telescope reversed in altitude and azimuth, at 5h. 34m. 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 27, 1916, 5h. 34.0m.

Astron. l.m.t. U.C. Pol., March 27, 1916, 1h. 08.9m.

Hour angle Pol. at obsn., 4h. 25.1m.

Azimuth of Pol. at obsn., 1° 15' 42" W.

March 28, 1916.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

I turn off $1^{\circ} 13-1/2'$, the azimuth of Polaris, to the E. from its direction at 5h. 20m. p.m., l.m.t., March 27, 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. 34m. 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 courses stated in these field notes were deflected and referred by continuous sustained angulation.

Latitude $33^{\circ} 49' 15''$ N., Longitude $110^{\circ} 54' 19''$ W., at cor. No. 1, by account from the special instructions of the Surveyor General. It was raining at apparent noon and therefore a latitude observation was not possible.

Observed magnetic declination at cor. No. 1, at 8h. 00m. a.m., l.m.t., $14^{\circ} 40'$ E. Mean magnetic declination, $14^{\circ} 37'$ E.

My watch is set for Standard 105th. meridian time, from which I subtract 23m. 37s. for l.m.t.

There is no corner of the public land survey within two miles of this survey. I therefore tie this claim to U. S. L. M. No. 251 H. E. S., located upon the point

Chains of a ridge approximately 15.00-chains South of Workman Creek, and is an embedded sandstone 30 x 18 x 6 ins. above ground, chiseled + at the apex and U S L M No 251 H E S on the W. face, with mound of stone 6 ft. base, 4 ft. high W. of cor., from which:

- A 20 in. pine bears S. 28° 30' W., 26 lks., blazed and scribed U S L M No 251 H E S + B T.
- A 9 in. pine bears N. 18° 48' W., 47 lks., blazed and scribed U S L M No 251 H E S + B T.
- A 9 in. pine bears N. 49° 10' E., 18 lks., blazed and scribed U S L M No. 251 H E S + B T.
- A 7 in. pine bears S. 74° 45' E., 39 lks., blazed and scribed U S L M No. 251 H E S + B T.

Baker Mountain bears S. 65° 00' W., approximately 3/4 mile.
Aztec Peak bears S. 66° 00' E., approximately 1-3/4 mile.

Beginning at cor. No. 1.

I chisel (+) on a stone 4 x 4 x 3 ins. and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 12 x 5 ins., 14 ins. in the ground, chiseled (+) at the point and 1 - H E S 406 on the NNE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NNE. of cor., from which:

- A 17 in. pine, bears S. 6° 20' W., 55 lks., blazed and scribed 1 H E S 406 + B T.
- A 24 in. pine bears S. 79° 50' W., 43 lks., blazed and scribed 1 H E S 406 + B T.

U. S. L. M. No. 251 H. E. S., heretofore described, bears S. 71° 27' W., 70.71 chs., by

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains	direct measurement.
	<hr/> <p>Thence N. 0° 15' W.</p> <p>Over unlisted land. Desc. NE. slope 50 ft. in timber and undergrowth.</p> <p>25.76 Intersect cor. H-4 of List No. 3-2267, which is a quartzite stone 7 x 5 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses. Continue over unlisted land.</p> <p>30.00 Ravine, course ESE. Asc. S. slope 5 ft.</p> <p>31.28 To cor. No. 2:</p> <p>I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 17 ins. in the ground; over which I set a quartzite stone 27 x 12 x 6 ins., 17 ins. in the ground, chiseled (+) at the point and 2 - H E S 406 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor., from which:</p> <p>A 20 in. pine bears S. 42° 00' W., 24 lks., blazed and scribed 2 H E S 406 + B T.</p> <p>A 9 in. white oak bears S. 86° 40' W., 34 lks., blazed and scribed 2 H E S 406 + B T.</p> <hr/> <p>Thence S. 81° 42' E.</p> <p>Desc. E. slope 30 ft. in scattering timber.</p> <p>18.20 To cor. No. 3.</p> <p>I chisel + at the point and 3 - H E S 406 on the SW. face of an embedded diorite stone 30 x 24 x 24 ins. above ground, and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., from which:</p> <p>A 12 in. oak bears S. 13° 30' E., 30 lks., blazed and scribed 3 H E S 406 + B T.</p>

Chains

A 20 in. oak bears S. 74° 00' W., 45 lks.,
blazed and scribed 3 H E S 406 + B T.

Cor. H-3 of List No. 3-2267, which is a quartzite
stone 8 x 6 x 3 ins. above ground, marked and
witnessed as described by the Forest Service,
bears S. 64° 00' W., 6.86 chs. from cor. No. 3
of this survey. I destroy cor. H-3 and its
witnesses.

Thence S. 11° 23' W.

Along rolling East slope at break of steep slope in
scattering timber and undergrowth.

- 4.80 Arroyo, 10 lks. wide, banks 1 ft. high, course E.
- 9.25 Arroyo, 12 lks. wide, banks 1 ft. high, course E.
- 15.06 Arroyo, 18 lks. wide, banks 1 ft. high, course E.
- 20.93 To cor. No. 4.

Identical with cor. H-2 of List 3-2267, which is a
quartzite stone 6 x 4 x 3 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 4 x 3
ins., and deposit it 14 ins. in the ground, over which
I set a diorite stone 24 x 10 x 6 ins., 14 ins. in the
ground, chiseled (+) at the point and 4 - H E S 406 on
the W. face; and raise a mound of stone 2 ft. base,
1-1/2 ft. high W. of cor., from which:

A 10 in. oak bears S. 0° 10' W., 54 lks.,
blazed and scribed 4 H E S 406 + B T.

A 14 in. pine bears N. 67° 30' W., 59 lks.,
blazed and scribed 4 H E S 406 + B T.

Thence S. 59° 27' W.

THE TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains Over-listed land.---Asc. E. slope 75 ft. in scattering timber and undergrowth.

5.05 Trail bears N. and S.

7.05 Cor. H-1 of List No. 3-2267, which is a quartzite stone 6 x 2 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses. Leave listed and enter unlisted land.

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

AREA

Listed Area - - - - - 17.14 acres

Unlisted Area - - - - - 23.48 acres

Total Area - - - - - 40.62 acres

IMPROVEMENTS

A log dwelling 10 x 8 ft., the long side extending E. and W. and the SE. cor. of which bears N. 85° 30' W., 2.50 chs. from cor. No. 4 of this survey.

Estimated Value ----- \$ 50.00

A log dwelling 16 x 10 ft., the long side extending N. and S. and the SE. cor. of which bears N. 67° 48' W., 2.58 chs. from cor. No. 4 of this survey.

Estimated Value ----- \$150.00

A log dwelling 18 x 16 ft., the long side extending N. and S. and the SE. cor. of which bears N. 68° 38' W., 3.01 chs. from cor. No. 4 of this survey.

Estimated Value ----- \$100.00

A log shed 24 x 12 ft., the long side extending N. and S. and the SE. cor. of which bears N. 42° 50' W., 7.98 chs. from cor. No. 4 of this survey.

Chains Estimated Value. ----- \$ 75.00

Approximately 3/4 mile of fencing.

Estimated Value ----- \$ 75.00

Approximately 5 acres of cultivated land.

DESCRIPTION

This claim is situated on the East slope of Baker Mountain near the top and is chiefly valuable for gardening and a summer home.

This section is well timbered and some timber is included in this survey.

Water flows on or near this tract the entire year.

The soil is a dark loam and produces the ordinary crops of the temperate zone. Good garden vegetables and barley hay have been produced. A young orchard has been planted out.

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

Kirby post office is 15 miles by trail in a Southerly direction and Globe railway station is 26 miles by wagon road beyond Kirby in a Southeasterly direction.

There are no conflicts or adjoining claims.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 0° 15' W.	31.28	31.28			0.14
2-3	S. 81° 42' E.	18.20		2.63	18.01	
3-4	S. 11° 23' W.	20.93		20.52		4.13
4-1	S. 59° 27' W.	15.99		8.13		13.77
		86.40	31.28	31.28	18.01	18.04
				31.28		18.01
Error in Lat. and Dep.				.00		.03

Closing error, 1:2880.

Survey completed March 28, 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. 406, STATE OF ARIZONA, J. M. CURRIETT

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 0° 15' W.	31.28	31 28		0 14	0 14	0 13	4 07	
2-3	S. 81° 42' E.	18.20		2 63	18 01	2	18 02		47 39
3-4	S. 11° 23' W.	20.93		20 52		4 13	31 92		655 00
4-1	S. 59° 27' W.	15.99		8 13		13 77	14 03		114 06
		86.40	31 28	31 28	18 01	18 04		4 07	816 45
			31 28	31 28	18 03	18 03			4 07
									812 38
									40 62

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EMH

APPROVAL

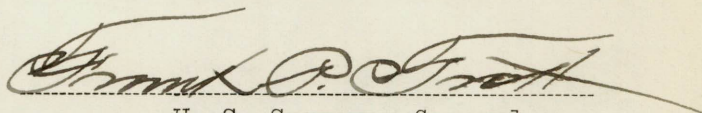
Office of the United States Surveyor General,

Phoenix, Arizona, June 19 , 1917.

The foregoing field notes of Homestead Entry Survey No.

406

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.

Frank P. Trott
U. S. Surveyor General.