

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

87
DEC 26 1916

JUN 25 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 416

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 35 , unsurveyed, Township 10 N., Range 5 E.

In Section 1 , unsurveyed, Township 9 N., Range 5 E.

In Section 2 , unsurveyed, Township 9 N., Range 5 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **Charles L. Morris,**

Residence **Mayer, Arizona.**

Application No. **258** , dated **Dec. 26** , 1914, and
dated **July 3** , 1915

List No. **3-3642** , dated **August 12** , 1915 ✓

Applicant for survey **Bert V. Allen,**

Residence **Mayer, Arizona**

H. E. No. **029253** , dated **January 22** , 1916

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 **December 8** , 1915

Survey completed **December 9** , 1915

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. **416**, 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.

Walter G. Turley, Chainman
Dean S. Curry, Chainman

Subscribed and sworn to before me this *eleventh* day of
December, 19*15*.

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. **3-3642**, dated **August 12**, 1915, for
the same to be known as Homestead Entry Survey No. **416**,
situated within the **PRESCOTT** National Forest, in
unsurveyed Section **35**, Township **10 N.**, Range **5 E.**, and
unsurveyed Section **1**, Township **9 N.**, Range **5 E.**, and
unsurveyed Section **2**, Township **9 N.**, Range **5 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*.

Elmer C. Myers
Notary Public



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing, Charles L. Morris; Application No. 258, dated Dec. 26, 1914 and July 3, 1915; List No. 3-3642, dated August 12, 1915; Homestead Entry No. 029253, made in the Phoenix Land Office on January 22, 1916, by Bert V. Allen, whose post office address is Mayer, 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. 416.

Situated in what will probably be, when surveyed, secs. 1, 2 and 35, Ts. 9 and 10 N., R. 5 E., Gila and Salt River Base and Meridian, within the Prescott National Forest Arizona.

Survey commenced December 8, 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. 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.

December 8, 1915.

Chains I set up my transit over a tack in a stake set firmly in the ground 30 lks. W. from cor. H-3 of List 3-3642, which is a 24 in. cedar, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with 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° 09' 28" N., and Long. 111° 48' 26" W., from special instructions from the Surveyor General.

Astron. l.m.t. obsn., December 7, 1915, 29h. 30.0m.

Astron. l.m.t. U.C.Pol., Dec. 7, 1915, 8h. 26.9m.

Hour angle Pol. at obsn., 21h. 03.1m.

23h. 56.1m.

Time argument, 2h. 53.0m.

Azimuth Pol. at obsn., 0° 57' 12" E.

With my transit set up over a tack in a stake set firmly in the ground 30 lks. W. from cor. H-3 of List 3-3642, heretofore described, and telescope reversed in altitude and azimuth, at 5h. 45m. 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., December 7, 1915, 29h. 45.0m.

Astron. l.m.t. U.C.Pol., Dec. 7, 1915, 8h. 26.9m.

Hour angle Pol. at obsn., 21h. 18.1m.

23h. 56.1m.

Time argument, 2h. 38.0m.

Azimuth of Pol. at obsn., 0° 53' 30" E.

December 9, 1915.

I turn off 0° 57', the azimuth of Polaris, to the W. from

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

its direction at 5h. 30m. p.m., l.m.t., December 8, 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 $0^{\circ} 53\frac{1}{2}'$, the azimuth of Polaris, to the W.

from its direction at 5h. 45m. 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 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 courses stated in these field notes were deflected and referred by continuous sustained angulation.

Latitude $34^{\circ} 09' 28''$ N., and Longitude $111^{\circ} 48' 26''$ W., at cor. No. 1 of this survey by account from the special instructions of the Surveyor General. It was not practicable to check the latitude by direct observation during the execution of this survey.

My watch is set for Standard 105th meridian time, from which I subtract 27m. 14s. for l.m.t.

Observed magnetic declination at cor. No. 1, H. E. S. 416, at 8h. 00m. a.m., l.m.t., $14^{\circ} 15'$ E., which reduced gives a mean magnetic declination of $14^{\circ} 14'$ E.

Beginning at cor. No. 1.

Identical with cor. H-3 of List 3-3642, which is a 24 in. cedar tree, marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnessed, and for cor. No. 1 of this survey, I scribe

Chains 1--H E S 416 in a blaze on the SW. side of the same tree and raise a mound of stones, 2 ft. base, 1-1/2 ft. high SW. of cor.

No witnesses available. Pits impracticable.

U. S. L. M. No. 38, H. E. S., which is an imbedded malpais boulder, 14 x 16 x 10 ins., marked and witnessed as described by the Surveyor General, bears N. 41° 25' E., 154.16 chs. dist., by direct measurement.

Thence S. 39° 33' E.

Desc. S. slope 15 ft. in undergrowth.

16.24 To cor. No. 2.

Identical with cor. H-4 of List 3-3642, which is a basalt stone 12 x 6 x 6 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., and deposit it 15 ins. in the ground, over which I set a basalt stone 25 x 14 x 6 ins., 15 ins. in the ground, chiseled (+) at the point and 2 - H E S 416 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor., from which:

A 4 in. mesquite bears N. 18° 15' E., 40 lks., blazed and scribed 2 H E S 416 + B T.

A 6 in. mesquite bears S. 72° 50' W., 49 lks., blazed and scribed 2 H E S 416 + B T.

Thence S. 13° 12' W.

Over bottom in undergrowth.

13.40 Tangle Creek, 150 lks. wide, banks 2 ft. high, course SE.

Small stream of water. Asc. N. mesa slope 15 ft.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

93

Chains
16.07

To cor. No. 3.

Identical with cor. H-5 of List 3-3642, which is a basalt stone 20 x 14 x 8 ins. above ground, marked and witnessed 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 deposit it 16 ins. in the ground, over which I set a basalt stone 26 x 10 x 9 ins., 16 ins. in the ground, chiseled (+) at the point and 3 - H E S 416 on the NW.

face; and raise a mound of stones 2 ft. base, 1-1/2 ft. high, NW. of cor., from which:

A 7 in. mesquit bears S. 47° 28' W., 50 lks.,
blazed and scribed 3 H E S 416 + B T.

A 4 in. mesquit bears N. 81° 10' E., 57 lks.,
blazed and scribed 3 H E S 416 + B T.

Note: The list cor. was not firmly embedded.

Thence N. 71° 15' W.

Over open mesa.

25.80 Wire fence, bears NE. and SW. Desc. N. slope of mesa
10 ft.

31.10 Foot of mesa, bears E. and W. Continue over bottom in
undergrowth.

50.35 Wire fence, bears NE. and SW.

52.00 Trail to Camp Verde, bears N. and S.

63.00 Foot of mesa, bears NW. and SE. Leave bottom and asc.
NE. slope 15 ft.

78.71 To cor. No. 4.

Identical with cor. H-1 and F. S. M. to List 3-3642,

which is an embedded basalt stone 15 x 10 x 6 ins. above ground, marked and witnessed as described by the Forest

94

HOMESTEAD ENTRY SURVEY NO. 416

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>Service. I destroy cor. H-1 and F. S. M., together with their witnesses, and for cor. No. 4 of this survey I chisel + at the point and 4 - H E S 416 on the NE. face of the same stone; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high NE. of cor., from which:</p> <p style="padding-left: 40px;">A 7 in. mesquit bears S. 52° 12' E., 55 lks., blazed and scribed 4 H E S 416 + B T.</p> <p style="padding-left: 40px;">A 7 in. mesquit, bears S. 54° 00' W., 79 lks., blazed and scribed 4 H E S 416 + B T.</p> <hr/> <p>Thence N. 13° 11' E.</p> <p style="padding-left: 40px;">Desc. N. slope of mesa 10 ft. in undergrowth.</p> <p>1.75 Foot of mesa, bears E. and W. Continue over bottom.</p> <p>3.05 Fence, bears NW. and SE.</p> <p>7.10 Tangle Creek, 110 lks. wide, banks 3 ft. high, course ESE. Asc. S. slope 15 ft.</p> <p>12.59 To cor. No. 5.</p> <hr/> <p>Identical with cor. H-2 of List 3-3642, which is a basalt stone 20 x 14 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and, for cor. No. 5 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 basalt stone 24 x 14 x 8 ins., 14 ins. in the ground, chiseled (+) at the point and 5 - H E S 416 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 style="padding-left: 40px;">A 12 in. cedar bears S. 32° 00' W., 137 lks., blazed and scribed 5 H E S 416 + B T.</p> <p style="padding-left: 40px;">A 4 in. palo verde bears S. 81° 30' E., 27 lks., blazed and scribed 5 H E S 416 + B T.</p> <hr/>
--------	---

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence S. 81° 44' E.	
	Asc. broken SW. slope 25 ft. in open.	
20.80	Ridge, bears NW. and SE.	Desc. NE. slope 40 ft. in open.
35.52	Arroyo, 10 lks. wide, banks 2 ft. high, course S.	Asc. S. slope 5 ft. in undergrowth.
55.77	Trail to Camp Verde, bears N. and S.	
65.73	To cor. No. 1, the place of beginning.	

December 9, 1915.

AREA

Total Area - - - - - 148.11 acres

IMPROVEMENTS

There are no improvements upon the claim belonging to the claimant.

The fences on the survey are part of a pasture fence.

DESCRIPTION

This claim is situated on Tangle Creek, which drains Easterly into the Verde River, and is chiefly valuable for raising hay.

There is no timber included in this survey. A few cottonwood trees grow along the creek.

Permanent water flows in Tangle Creek, on the surface, or may be obtained at a few feet in depth.

The soil is a sandy loam and fertile. Good crops of hay and alfalfa have been produced in this immediate locality.

Mayer post office and railway station is 35 miles by trail in a Northwesterly direction.

This section is not reported to be mineralized, and no

HOMESTEAD ENTRY SURVEY NO. 416

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains townsites, mining, coal or oil claims are known to have been located in conflict with this homestead. There are no conflicts or adjoining claims.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 39° 33' E.	16.24		12.52	10.34	
2-3	S. 13° 12' W.	16.07		15.65		3.67
3-4	N. 71° 15' W.	78.71	25.30			74.53
4-5	N. 13° 11' E.	12.59	12.26		2.87	
5-1	S. 81° 44' E.	65.73		9.45	65.05	
		189.34	37.56	37.52	78.26	78.20
				37.56	78.20	

Error in Lat. and Dep. .06 .06

Closing error, 1:2232.

Survey completed December 9, 1915.

The listing survey reports this claim in Secs. 1 and 6 T. 9 N. Rs. 5 and 6 E. According to the course and dist. to Turret Peak, recorded in the notes of the establishment of U.S.L.M. No. 38 H.E.S. to which this survey (No. 416) is tied, said monument is situated in the SE 1/4 of Sec. 30, T. 10 N. R. 6 E., Unsur and consequently H.E.S. No. 416 is in Secs. 1 and 2 T. 9 N. R. 5 E., Unsur and in Sec. 35, T. 10 N. R. 5 E. Unsur.

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.

8-2349 **TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 416**, STATE OF **Arizona**, **Prescott**.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 39° 33' E.	16.24		12 52	10 34		146 13	1828 09	
2-3	S. 13° 12' W.	16.07		15 65	3 67		152 78	2389 48	
3-4	N. 71° 15' W.	78.71	25 30				74 55	1887 61	
4-5	N. 13° 11' E.	12.59	12 26		2 87		2 87	35 19	
5-1	S. 81° 44' E.	65.73		9 45	65 05		70 77	667 36	
		189.34	37 56	37 62	78 26	78 20		1922 80	4884 93
			37 58	37 58	78 23	78 23		1922 80	2962 13
									148 11 Acres.
	Closing error, 1:2232								

98

EMH.

APPROVAL

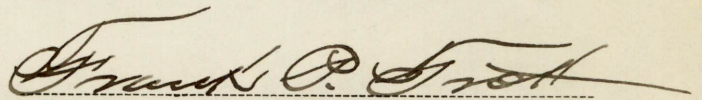
Office of the United States Surveyor General,

Phoenix, Arizona, August 14, 1917

The foregoing field notes of Homestead Entry Survey No.

416

executed by **Walter G. Turley, Surveyor,** [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.