

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

APR 2 - 1916

JUN 5 - 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 150

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 21 and 22, surveyed, Township 5 N., Range 15 E.

Section 27 and 28 surveyed, Township 5 N., Range 15 E.

of the

G. & S. R. B. & Meridian.

Arizona

Survey executed by Walter G. Turley, Surveyor.
Under special instructions dated November 29, 1913.
Survey commenced October 2, 1914.
Survey completed October 3, 1914.
Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing A. L. Campbell.
Residence Roosevelt, Arizona.
Application No. 8, dated November 5, 1906.
List No. 1567, dated April 20, 1908.
Applicant for survey A. L. Campbell.
Residence Roosevelt, Arizona.
H. E. No. 0928, dated September 18, 1908.
Land district Phoenix, Arizona.

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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Surveyor, Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 150, in
surveyed Section 21 and 22 Township 5 N., Range 15 E.,
surveyed Section 27 and 28, Township 5 N., Range 15 E.,

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished by the United States Surveyor General for Arizona.

Note: It would have been
very inconvenient and ex-
pensive to appear before an
officer to administer the
oaths to assistants; hence,
they were taken by the
surveyor.

Charles D. Hodson Chainman.
Charles G. Baecht Chainman.

Subscribed and sworn to before me this tenth day of
October, 1914.

Walter G. Turley
Surveyor, Forest Service.

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor,, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
November 29, 1913, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of ~~land upon the application of~~ land embraced in
List, No. 1567, dated April 20, 1908, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 150,
situated within the Tonto National Forest, in
surveyed Section 21 & 22 Township 5 N., Range 15 E., and
surveyed Section 27 & 28 Township 5 N., Range 15 E.,

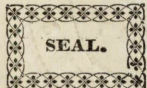
of the G. & S.R.B. & meridian, Arizona, and the
related retracements and resurveys and section subdivisions,
which are represented in the following field notes as having
been surveyed by me; and I further solemnly swear that all
the corners of said survey have been established and perpet-
uated in strict accordance with the stated special instruc-
tions, 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.

Subscribed and sworn to before me this 4th day of

My Commission Expires July 1, 1916.
December, 1914

Albert L. Hanson
Notary Public



TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, A. L. Campbell; Application No. 8, dated November 5, 1906; List No. 1567, dated April 20, 1908; Homestead Entry No. 0928; made in the Phoenix Land Office on September 18, 1908 by A. L. Campbell whose postoffice address is Roosevelt, Arizona.

Surveyed under Acts of June 11, 1906, and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated November 29, 1913, and designated as Homestead Entry Survey No. 150.

Situated in secs. 21, 22, 27 and 28, T. 5 N., R. 15 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced October 2, 1914, and executed with a W. & 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 to 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. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from measurements made directly on the slope, with a standard 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer the vernier of which reads to degrees; and a Philadelphia stadia rod, graduated to feet and hundredths, provided with two targets the verniers of which read to thousandths of a foot.

Chains

October 2, 1914.

I set up my transit over cor. H-2 of List 1567 which is a granite stone 14 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 instructions at 8h. 10m. 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. $33^{\circ} 45' 55''$ N. and long. $110^{\circ} 49' 27''$ W.

Astron. l.m.t., obsn. Oct. 1, 1914. 32h. 10.0m.

Astron. l.m.t., U.C.Pol. Oct. 1, 1914. 12h. 49.0m.

Hour angle Pol. at obsn. 19h. 21.0m.

Time argument 23h. 56.1m.

4h. 35.1m.

Azimuth of Pol. at obsn. $1^{\circ} 17' 42''$ E.

With my transit set up over cor. H-2 of List 1567 heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 19m. 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. Oct. 1, 1914. 32h. 19.0m.

Astron. l.m.t. U.C.Pol. Oct. 1, 1914. 12h. 49.0m.

Hour angle Pol. at obsn. 19h. 30.0m.

Time argument 23h. 56.1m.

4h. 26.1m.

Azimuth of Pol. at obsn. $1^{\circ} 16' 30''$ E.

October 2, 1914.

October 3, 1914.

I turn off $1^{\circ} 17\frac{1}{2}'$ the azimuth of Polaris to the W. from her direction at 8h. 10m. p.m. l.m.t., October 2, 1914; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains station. I also turn off $1^{\circ} 16\frac{1}{2}'$ the azimuth of Polaris to the W. from her direction at 8h. 19m. 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 $0^{\circ} 10' 40''$ 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 $33^{\circ} 46' 03''$ N., and longitude $110^{\circ} 49' 58''$ W.

at the approximate point for the $1/4$ sec. cor. to secs. 16 and 21, T. 5 N., R. 15 E., Gila and Salt River Base and Meridian, taken from the special instructions of the Surveyor General which gives latitude $33^{\circ} 45' 55''$ N., and longitude $110^{\circ} 49' 27''$ W.

at cor. No. 1 of this survey. It was not possible to check the latitude by direct observation.

My watch is set for standard time with which I compared it on October 1, 1914. I subtract 23m. 00s. therefrom for l.m.t.

On October 3, 1914, at 8h. 00m. a.m. l.m.t., I observe the magnetic declination to be $14^{\circ} 58'$ E. at cor.

No. 1 which reduced gives a mean magnetic declination of $14^{\circ} 55'$ E.

There is no corner of the public land survey within two miles of this claim; therefore this survey is tied to U.S.L.M. No. 149 H.E.S. which was established by me on Oct. 2, 1914; and is described as follows:

U.S.L.M. No. 149 H.E.S. established Oct. 2, 1914.

Chains At a point on a bluff approximately 6.00 chs. W. of
Cherry Creek, and 2.50 chs. S. of Bull Canyon, I chisel
(+) at the point and U.S.L.M. No. 149 H.E.S. on the E.
face, of an imbedded quartzite stone 20 x 14 x 8 ins.
above ground; and raise a mound of stone 6 ft. base,
4 ft. high E. of cor. from which

A 4 in. juniper scribed U S L M No 149 H E S + B T

bears N. 30° 30' E. 31 lks.

A 6 in. palo verde scribed U S L M No 149 H E S +

B T bears N. 51° 20' W. 37 lks.

A 6 in. palo verde scribed U S L M No 149 H E S +

B T bears S. 27° 25' E. 137 lks.

Sombrero Butte bears N. 18° 42' E. approximately

6 miles dist.

Cor. No. 1 H. E. S. No. 149 bears N. 28° 53' E.

10.92 chs. dist.

No other prominent topographic features can be seen
from this point.

Thence S. 49° 12' E.

On a true line by direct measurement for a tie.

42.76 To cor. No. 1

Identical with cor. H-2 of List 1567 which is a granite
stone 14 x 6 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. 1 of this

survey, I chisel (+) on a stone 4 x 3 x 2 ins., and de-

posit it 16 ins. in the ground; over which I set a

quartzite stone 26 x 12 x 9 ins., 16 ins. in the ground

chiseled (+) at the point and 1-H.E.S 150 on the SE.

face, and raise a mound of stone 2 ft. base, 1 1/2 ft.

high, SE. of cor. from which

A 4 in. desert willows scribed, 1 H E S 150 + B T

bears N. 89° 00' E. 2.57 lks.

U.S.L.M. No. 149 H.E.S. bears N. 49° 12' W. 42.76

chs. dist.

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains 2 Pits impracticable. No other bearings available.

the NW face and raise a mound of stone 2 ft. base, 1 1/2 ft. high, SW. of cor. from which

Thence East.

Over bottom in undergrowth.

4.60 Roosevelt road bears N. and S.

5.15 Irrigating ditch 5 lks. wide, course S.

10.10 Leave bottom; bears N. and S. and asc. W. slope 25 ft.

14.13 To cor. No. 2.

Identical with cor. H-3 of List 1567 which is an imbedded sandstone boulder 24 x 20 x 15 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses, and, for cor. No. 2 of this survey, I chisel (+) at

the point and 2-H E S 150 on the SW. face of the same stone; and raise a mound of stone 2 ft. base, 1 1/2 ft. high, SW. of cor. from which

An imbedded sandstone 20 x 12 x 5 ins. above ground, chiseled + - 2 H E S 150 - B R bears S. 63° 30' E. 43 lks.

Pits impracticable. No other witnesses available.

(+) at the point and 4-H E S 150 on the NE face and

Thence S. 0° 52' W.

Desc. along rolling SW. slope 20 ft. in undergrowth.

19.30 Arroyo 60 lks. wide, banks 4 ft. high, course W.

24.71 Arroyo 70 lks. wide, banks 12 ft. high, course W.

40.18 To cor. No. 3.

Identical with cor. H-4 of List 1567 which is a granite stone 12 x 8 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses and for cor. No. 3 of this survey I chisel (+) on a stone 4 x 4 x 2 ins., and deposit it 16 ins. in the ground; over which I set a quartzite stone 26 x 15 x 7 ins., 16 ins. in the

To cor. No. 1 the place of beginning

Chains 15.60 To cor. No. 4. Identical with cor. H-1 of List 1567, also a Forest Service monument, which is a sandstone 26 x 14 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-1 and the F.S.M. and their 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 quartzite stone 24 x 9 x 5 ins. 14 ins. in the ground; chiseled (+) at the point and 4-H E S 150 on the NE. face and raise a mound of stone 2 ft. base, 1½ ft. high, NE. of corner from which

9.76 Roosevelt wagon road bears N. and S.

5.07 Wire fence bears NE. and SW. Leave pasture.

40.24 To cor. No. 1 the place of beginning.

15.60 To cor. No. 4. Identical with cor. H-1 of List 1567, also a Forest Service monument, which is a sandstone 26 x 14 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-1 and the F.S.M. and their 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 quartzite stone 24 x 9 x 5 ins. 14 ins. in the ground; chiseled (+) at the point and 4-H E S 150 on the NE. face and raise a mound of stone 2 ft. base, 1½ ft. high, NE. of corner from which

9.76 Roosevelt wagon road bears N. and S.

5.07 Wire fence bears NE. and SW. Leave pasture.

40.24 To cor. No. 1 the place of beginning.

TONTO NATIONAL FOREST
STATE OF ARIZONA

Chains

Area

Total Area 59.75 Acres.

Improvements.

A frame dwelling 24 x 14 ft. the long side extending N. and S. and the NE. cor. of which bears S. 19° 50' W.

18.00 chs. dist. from cor. No. 2 of this survey.

Estimated Value \$200.00

A frame corn crib 20 x 16 ft. the long side extending N. and S. and the NE. cor. of which bears S. 21° 00' W.

21.10 chs. dist. from cor. No. 2 of this survey.

Estimated Value \$100.00

Approximately 2 miles of fencing

Estimated Value \$200.00

Approximately 1 mile of ditch.

Estimated Value \$ 50.00

Approximately 13 acres of cultivated land.

Description

This claim is situated on Cherry Creek which drains southward into Salt River. It is at an elevation of approximately 3000 ft. and is chiefly valuable for a live stock ranch.

There is no timber in this section.

Sufficient water for all purposes and irrigation is obtained from Cherry Creek.

The soil is a sandy loam and produces the ordinary crops of the temperate zone with irrigation. Good crops of grains, corn, vegetables, and fruit have been produced.

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

Roosevelt postoffice is 30 miles by wagon road in a

Chains southwesterly direction. Globe railway station is 40
miles by wagon road in a southeasterly direction.
There are no conflicts or adjoining claim;

Traverse

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	East	14.13			14.13	
2-3	S. 0° 52' W.	40.18		40.18		0.61
3-4	S. 89° 59' W.	15.60				15.60
4-1	N. 3° 00' E.	40.24	40.18		2.11	

110.15 40.18 40.18 16.24 16.21
40.18 16.21

Error in lat. and Dep. .00 .03

Closing Error 1:3672

Survey completed October 3, 1914.

Walter J. Purdy
Surveyor- Forest Service.

Description

This claim is situated on Cherry Creek which drains
southward into Salt River. It is at an elevation of
approximately 3000 ft. and is chiefly valuable for a
live stock ranch.
There is no timber in this section.
Sufficient water for all purposes and irrigation is
obtained from Cherry Creek.
The soil is a sandy loam and produces the ordinary crops
of the temperate zone with irrigation. Good crops of
grains, corn, vegetables, and fruit have been produced.
This is not reported to be a mineralized section, and no
fossils, mining, coal or oil claims are known to have
been located in this vicinity.
Roosevelt postoffice is 30 miles by wagon road in

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. 150, STATE OF ARIZONA, Campbell, A. L., Tonto

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	East	14.13			14.13		18.33		
2-3	S. 0° 52' W.	40.18		40.18		0.67 ²	31.84	1279.33 [✓]	
3-4	S. 89° 59' W.	15.60				15.60 ¹	15.61		
4-1	N. 3° 00' E.	40.24	40.18		2.11 ⁰		2.10	84.38	
		110.15	40.18	40.18	16.24	16.21		84.38	1279.33
			44.18	40.18	16.23	16.23		84.38	84.38
			Closing error 1:3672					1194.95	59.75 [✓]

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COPIES	BEARING	DISTANCE	VALUABLES				DELIVERABLES				DOUBLES	M. VALUE	S. VALUE
			MOUNT	SOVER	FLAT	W. VAL	W. VAL	W. VAL	W. VAL				
3-1	WEST	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
3-2	WEST	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
3-3	WEST	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
3-4	WEST	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00

TABLET AND CALCULATIONS OF HOMELEAD EARLY SUBVEY NO 101 STATE OF MINNESOTA

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3-1 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00

3-2 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00

3-3 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00

3-4 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00 31.00

Only three copies of this certificate are necessary for the District Office, the Surveyor General and the Commissioner.
 In computations of bearings take care to use the correct rule. In calculations of distances use the correct rule.
 The corrections for curvature and refraction are to be applied to the bearings of the lines.
 For the corrected bearings of the lines use the corrected bearings of the lines.
 In returning this report with the bearings do not erasure or change the original figures.
 The corrections for curvature and refraction are to be applied to the bearings of the lines.

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APPROVAL

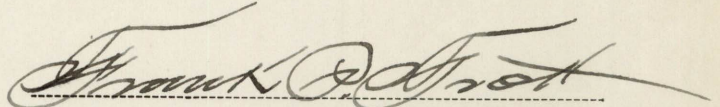
Office of the United States Surveyor General,

Phoenix, Arizona, June 18 , 1917.

The foregoing field notes of Homestead Entry Survey No.

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executed by **Walter G. Turley, Surveyor Forest Service**
[Forest Service Title.]
under his special instructions, dated **November 29** , 1913, 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.