

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAY 14 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 165

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

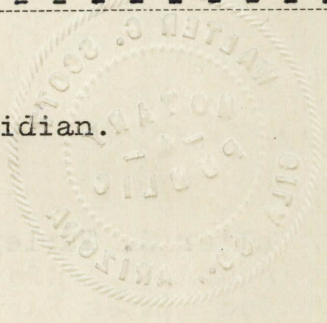
in

Section 1, unsurveyed, Township 3 N., Range 16 E.

of the

Gila and Salt River Base & Meridian.

ARIZONA



Survey executed by Walter G. Turley, Surveyor-Forest Service
Under special instructions dated February 12, 1914
Survey commenced February 27, 1914
Survey completed February 27, 1914
Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing William Jackson
Residence Globe, Arizona
Application No. 161, dated September 4, 1910
List No. 3-873, dated November 18, 1910
Applicant for survey William Jackson
Residence Globe, Arizona
H. E. No. 014875, dated July 8, 1911
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. 165, in
unsurveyed Section 1, Township 3 N., Range 16 E.,
unsurveyed Section - - -, Township - - -, Range - - -,
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.

Jay Turley Chainman
R. P. Johnson Chainman
Robert E. Lee Jr. Flagman.

Subscribed and sworn to before me this 10th day of
March, 1914.

Walter G. Scott
Notary Public

My commission expires July 1, 1917.

OATH OF SURVEYOR
Service

I, Walter G. Turley, Surveyor Forest, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
February 12, 1914, 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~~ embraced in
List, No. 3-873, dated Nov. 18, 1910, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 165,
situated within the CROOK National Forest, in
un surveyed Section 1, Township 3 N., Range 16 E., and
un surveyed Section - -, Township - -, Range - - -,

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 10th day of
March, 1914.

Walter G. Scott
Notary Public



My commission expires July 1, 1917

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, William Jackson; Application No. 161, dated September 4, 1910; List No. 3-873, dated November 18, 1910. H. E. No. 014875, made by William Jackson at Phoenix, Arizona, July 8, 1911.

Surveyed under Special Instructions from the Surveyor General for Arizona, dated February 12, 1914, and designated as Homestead Entry Survey No. 165.

Situated in unsurveyed T. 3 N., R. 16 E., Gila and Salt River Base and Meridian, in what will probably be, when surveyed, Sec. 1, within the Crook National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced February 27, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 12953,

with vertical circle and Burt solar attachment; the horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1:132 and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths.

February 26, 1914.

At 9h. 45m. 30s. p.m., l.m.t., I observe Polaris in accordance with instructions at cor. H-2 of the list survey, which is a granite stone 12 x 9 x 9 ins. above ground, marked and witnessed as described by the Forest

CROOK NATIONAL FOREST

STATE OF ARIZONA

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Service, and mark the line, thus determined by driving
a tack in a stake set 4.00 chs. N. of my station.

Astron. l.m.t. obsn. Feb. 26, 1914 9h. 45.5 m.

Astron. l.m.t. U. C. Pol. Feb. 26, 1914 3 04.0 ✓

Hour Angle Pol. at obsn. 6 41.5 ✓

Azimuth Pol. at obsn. 1° 21' 00" W. ✓

February 26, 1914.

February 27, 1914.

At 6h. 20m. 30s. a.m., l.m.t., I again observe
Polaris in accordance with instructions at cor. H-2 of

the list survey, heretofore described, and mark the
line thus determined by driving a tack in a stake set

4.00 chs. N. of my station.

Astron. l.m.t. obsn. Feb. 26, 1914 18h. 20.5m. ✓

Astron. l.m.t. U. C. Pol. Feb. 26, 1914 3 04.0 ✓

Hour Angle Pol. at obsn. 15 16.5 ✓

Hour Angle from U. C. 23 56.1 ✓

Hour Angle from U. C. 8 39.6 ✓

Azimuth of Pol. at obsn. 1° 02' 12" E. ✓

I turn off the azimuth 1° 02' to the W. from the line
thus determined and mark my line of sight by driving a

tack in a stake set 4.00 chs. N. of my station. I

also turn off the azimuth 1° 21' to the E. from the

line as determined by Polaris observation of last night

and my line of sight falls 0° 00' 12" W. of the tack

in the stake set 4.00 chs. N. of my station. I mark

the mean of these two lines by driving a tack in a stake

set 4.00 chs. N. ; and from the corresponding meridian

all the courses of this survey were deflected.

Latitude 33° 38' 01" N. Longitude 110° 36' 11" W. by

account from Special instructions from the Surveyor

General.

CROOK NATIONAL FOREST

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Chains

February 27, 1914.

There is no corner of the Public land survey or U. S. Location Monument within the prescribed limits, therefore I establish a U. S. Location Monument on the N. point of a high mesa bluff, which is the most prominent point within the prescribed limit. I mark a cross at the apex of an imbedded quartzite stone 18 x 18 x 16 ins. above ground, and U. S. L. M. No. 165 H E S on the N. side of the same stone; and raise a mound of stone 6 ft. base, 4 ft. high S. of cor. from which, The chimney at the W. end of the dwelling of Roy Tucker bears S. 62° 18' E. 1 mile dist. Rock Spring Butte, bears S. 34° 50' E. 3/4 mile dist.

An alligator juniper 18 ins. dia. bears S. 80° E. 72 lks. dist. marked U S L M No. 165 H E S B T.

A live oak 10 ins. dia. bears S. 31° 30' W.

.41 lks. dist. marked U S L M No. 165 H E S B T.

A live oak 10 ins. dia. bears N. 70° 45' W. 29 lks. dist. marked U S L M No. 165 H E S B T.

Cor. No. 1 H. E. S. No. 165 bears N. 22° 25' E. 86.25 chs. dist.

Thence N. 22° 25' E.

86.25 To Cor. No. 1.

Identical with cor. H-2 of the list survey, heretofore described. I destroy all trace of this list cor. and at this point I set a quartzite stone 28 x 10 x 9 ins. 18 ins. in the ground, over a marked stone for cor. No. 1 of this survey, marked 1-HES165 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high N. of cor. from which,

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

An alligator juniper, 15 ins. dia. bears N. 35° W.

143 lks. dist. marked 1 H E S 165 B T.

A black jack 5 ins. dia. bears N. 47° 26' W.

122 lks. dist. marked 1 H E S 165 B T.

I observe the magnetic declination at cor. No. 1 to be
14° 42' E. at 10h. 05m. a.m., l.m.t. Mean magnetic
declination 14° 40' E.

Thence N. 57° 02' W.

Along line 2-1 of the list survey. Descend NW. slope
5 ft.

8.00 To Cor. No. 2.

Identical with Cor. H-1 of the list survey, which is a
slate stone 16 x 8 x 8 ins. above ground, marked and
witnessed as described by the Forest Service. I
destroy all trace of this list cor. and at this point I
set a quartzite stone 30 x 15 x 6 ins. 20 ins. in the
ground, over a marked stone, for cor. No. 2, marked
2-HES165 on the NE. face; and raise a mound of stone
2 ft. base, 1-1/2 ft. high NE. of cor. from which,
A black jack 8 ins. dia. bears N. 63° E. 172
lks. dist. marked 2 H E S 165 B T.

No other bearings available. Pits impracticable.

Thence N. 25° 09' E.

1.00 Descend NE. slope 10 ft.

5.01 To Cor. No. 3.

Identical with Cor. H-6 of the list survey, which is a
granite stone 18 x 4 x 9 ins. above ground, marked and
witnessed as described by the Forest Service. I destroy
all trace of this list cor. and at this point I set a
quartzite stone 24 x 10 x 9 ins. 14 ins. in the ground,

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over marked stone, for cor. No. 3 of this survey, marked 3-HES165 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which,

A black jack 8 ins. dia. bears S. 17° 25' W.

78 lks. dist. marked 3 H E S 165 B T.

A black jack 9 ins. dia. bears S. 37° 55' E.

69 lks. dist. marked 3 H E S 165 B T.

Thence S. 81° 37' E.

Descend 10 ft. to creek.

0.90 Left bank Hess Creek, 40 lks. wide, banks 10 ft. high, course NW.

Continue ascending along rolling South slope 25 ft.

23.86 To Cor. No. 4.

Identical with cor. H-5 of the list survey, which is a

red sandstone 14 x 14 x 8 ins. above ground, marked

and witnessed as described by the Forest Service. I

destroy all trace of this list cor. and at this point

I set a quartzite stone 24 x 14 x 10 ins. 14 ins. in

the ground, over a marked stone, for cor. No. 4 of this

survey, marked 4-HES165 on the SW. face; and raise a

mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor.

from which,

A black jack 5 ins. dia. bears S. 33° 37' W.

28 lks. dist. marked 4 H E S 165 B T.

A black jack 5 ins. dia. bears S. 52° 30' W.

77 lks. dist. marked 4 H E S 165 B T.

Thence S. 15° 38' W.

Descend 5 ft. to creek.

1.85 Right bank Hess Creek bed, 20 lks. wide, banks 2 ft. high, course W. Ascend 10 ft.

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Chains	
3.98	To Cor. No. 5.
	<p>Identical with Cor. H-4 of the list survey, which is a granite stone 12 x 12 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a porphyry stone 24 x 14 x 9 ins. 14 ins. in the ground, over a marked stone, for cor. No. 5 of this survey, marked 5-HES165 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. from which,</p> <p>A black jack 4 ins. dia. bears N. 8° 30' E. 83 lks. dist. marked 5 H E S 165 B T.</p> <p>A juniper 6 ins. dia. bears S. 80° E. 86 lks. dist. marked 5 H E S 165 B T.</p>
	<p>Thence N. 84° 11' W.</p> <p>Ascend N. slope 5 ft. in undergrowth.</p>
3.00	Cease ascending, and descend NW. slope 15 ft.
11.94	To Cor. No. 6.
	<p>Identical with cor. H-3 of the list survey, which is a granite stone 12 x 12 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a quartzite stone 26 x 15 x 5 ins. 16 ins. in the ground, over a marked stone, for cor. No. 6, marked 6-HES165 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high N. of cor. from which,</p> <p>A black jack 4 ins. dia. bears N. 76° 40' E. 26 lks. dist. marked 6 H E S 165 B T.</p> <p>A black jack 4 ins. dia. bears N. 25° 40' E. 33 lks. dist. marked 6 H E S 165 B T.</p>

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Chains Thence S. 65° 28' W.

Descend rolling NW. slope 5 ft.

6.67 To Cor. No. 1, the place of beginning.

The sun was obscured at apparent noon, therefore a latitude observation was not possible.

AREA

Total Area

13.02 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of this homestead, and belonging to claimant, consist of the following:

A frame dwelling 23 x 25 ft., the long side of which bears E. and W. and the SE. cor. of which bears N. 19° W. 1.92 chs. dist. from cor. No. 1.

Value \$350.00

A log tool house 14 x 16 ft., the long side of which bears N. and S. and the SE. cor. of which bears N. 42° 40' W. 2.48 chs. dist. from cor. No. 1.

Value \$100.00

There is some fencing.

Value \$ 25.00

GENERAL DESCRIPTION

This claim is situated on Hess Creek, a tributary to Salt River, at an elevation of approximately 4,800 ft. and is chiefly valuable for stock raising. The soil is a sandy loam, and I saw no mineral upon this claim. There is a little black jack, oak and alligator juniper on the claim.

Chains

There is a developed weeping spring near the dwelling house.

CONFLICTS OR ADJOINING CLAIMS

There are no conflicts or adjoining claims. Globe postoffice and Arizona Eastern Railway Station is 32 miles in a southwesterly direction.

February 27, 1914.

TRAVERSE

Course	Dist.	N.	S.	E.	W.
N. 57° 02' W.	8.00	4.35			6.71
N. 25° 09' E.	5.01	4.54		2.13	
S. 81° 37' E.	23.86		3.48	23.60	
S. 15° 38' W.	3.98		3.83		1.07
N. 84° 11' W.	11.94	1.21			11.88
S. 65° 28' W.	6.67		2.77		6.07
	59.46	10.10	10.08	25.73	25.73

Error in Lat. and Dep. .02
Closing Error 1:2973

Walter J. Purley
Surveyor - Forest Service

GENERAL DESCRIPTION

This claim is situated on Hass Creek, a tributary to Salt River, at an elevation of approximately 4,800 ft. and is chiefly valuable for stock raising. The soil is a sandy loam, and I saw no mineral upon this claim. There is a little black jack, oak and aligator juniper on the claim.

HOMESTEAD ENTRY SURVEY NO. 165

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Detailed Computation

33° 22' 33" = Lat. of Base line Special Instructions
of Surveyor General.

.871 X $\frac{71}{4}$ = 15' 28" = Correction to Cor. No. 1.

33° 22' 33"
15 28

33° 38' 01" = Lat. of cor. No. 1. ✓

110° 44' 31" = Long. E. bdy. T. 1 N., R. 15 E., Special
instructions of Surveyor General.

374".68 X $\frac{8}{6}$ = 08' 19."57 correction to Cor.
No. 1.

08' 20"

110° 36' 11" = Long. of cor. No. 1. ✓

Polaris observation, February 26, 1914.

9h. 45.5 m. = Astron. l.m.t. obsn. Feb. 26, 1914.

3h. 05.2 m. = Astron. U.C.Pol. Greenwich,
Feb. 26, 1914.

1.2 m. = Sidereal correction to local
meridian

3h. 04.0m. ✓ = Astron. l.m.t., U. C. Pol.
Feb. 26, 1914.

3h. 04.0m.

6h. 41.5m. = Hour angle Pol. at obsn. ✓

88° 51' 09".9 = decl. pol. Feb. 26, 1914.
Page 15, G. L. O. Ephemeris interpolate for
Azimuth.

1° 21' 00" = Azimuth of Pol. W. of meridian. ✓

6h. 20.5 m. = l.m.t. obsn. Feb. 27, 1914.

18h. 20.5m. = Astron. l.m.t. obsn. Feb. 26, 1914.

3h. 05.2 m. = Astron. l.m.t., U. C. Pol.
Greenwich, Feb. 26, 1914.

1.2m. = Sidereal correction to local
meridian.

3h. 04.0 m. = Astron. l.m.t., U.C.Pol. Feb.
26, 1914.

3h. 04.0m.

15h. 16.5m. = Hour angle of Pol. at obsn.

23h. 56.1m.

8h. 39.6m. = Time argument

88° 51' 09".9 = Decl. Pol. Feb. 26, 1914.
P. 15, G.L.O. Ephemeris inter-
polate for azi-
muth.

1° 02' 12" = Azimuth of Pol. E. of Meridian.

T. A.

Chains	Detailed Computation	Chains
	<p>33° 22' 33" = Lat. of Base line Special Instructions of Surveyor General.</p> <p>871 x 71 = 15' 28" = Correction to Cor. No. 1.</p> <p>33° 22' 33" = Lat. of cor. No. 1.</p> <p>110° 44' 31" = Long. N. by T. I. N. R. 15 E. Special Instructions of Surveyor General.</p> <p>3747.68 x 8 = 08' 19" 28" = Correction to Cor. No. 1.</p> <p>08' 20"</p> <p>110° 35' 11" = Long. of cor. No. 1.</p>	
	<p>Polaris observation, February 26, 1914.</p> <p>9h. 45.5 m. = Astron. I.M.T. obsn. Feb. 26, 1914.</p> <p>3h. 02.2 m. = Astron. U.C. Pol. Greenwich, Feb. 26, 1914.</p> <p>1.2 m. = Spherical correction to local meridian.</p> <p>3h. 04.0 m. = Astron. I.M.T., U.C. Pol. Feb. 26, 1914.</p> <p>0h. 41.3 m. = Hour angle Pol. at obsn.</p> <p>3h. 04.0 m.</p> <p>88° 51' 02" = Decl. Pol. Feb. 26, 1914.</p> <p>Page 15, G.L.C. Phoenix interpolate for Azimuth.</p> <p>1° 21' 00" = Azimuth of Pol. W. of meridian.</p>	
	<p>9h. 30.5 m. = I.M.T. obsn. Feb. 27, 1914.</p> <p>12h. 30.5 m. = Astron. I.M.T. obsn. Feb. 26, 1914.</p> <p>3h. 02.3 m. = Astron. I.M.T., U.C. Pol. Greenwich, Feb. 26, 1914.</p> <p>1.2 m. = Spherical correction to local meridian.</p> <p>3h. 04.0 m. = Astron. I.M.T., U.C. Pol. Feb. 26, 1914.</p> <p>0h. 41.3 m. = Hour angle of Pol. at obsn.</p> <p>3h. 04.0 m.</p> <p>12h. 16.3 m. = Time argument</p> <p>88° 51' 02" = Decl. Pol. Feb. 26, 1914.</p> <p>P. 15, G.L.C. Phoenix interpolate for azimuth.</p> <p>1° 02' 12" = Azimuth of Pol. E. of Meridian.</p>	

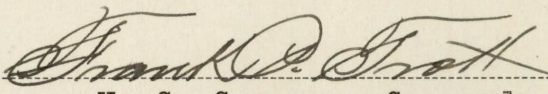
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, March 28, 1916.

The foregoing field notes of Homestead Entry Survey No.

165

executed by Walter G. Turley, Surveyor-Forest Service
under his special instructions, dated February 12,, 1914,
having been critically examined, and the necessary correc-
tions 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 Arizona,
has been correctly copied from the original notes on file in
this office.

Frank P. Trott

U. S. Surveyor General.