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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 325

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

+ In Section 19 , un surveyed, Township 13 N. , Range 4 E.

+ In Section 30 , un surveyed, Township 13 N. , Range 4 E.

(Secs 19 & 20)

NOV 1 1915

JUN 20 1917

AUG 20 1917

MAY 24 1918

of the

Gila and Salt River Base and Meridian.

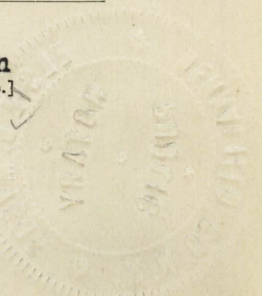
State of

ARIZONA

Applicant for listing	Bruce C. Tompkins,
Residence	Camp Verde, Arizona
Application No. 204 ✓	, dated November 26 , 1913 ✓
List No. 3-3273 ✓	, dated August 18 , 1914 ✓

Applicant for survey	Bruce C. Tompkins,
Residence	Camp Verde, Arizona
H. E. No. 026423 ✓	, dated January 21 , 1915 ✓
Land District	Phoenix, Arizona ✓

Survey executed by R. P. A. Johnson,	Surveyor - Draftsman [Forest Service Title.]
Under special instructions dated	February 11 , 1915 ✓
Survey commenced	May 3 , 1915
Survey completed	May 4 , 1915
Under Acts of	June 11, 1906 and June 30, 1914 ✓



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OATH OF ASSISTANTS

We hereby certify that we assisted **R. P. A. Johnson,**
Surveyor - Draftsman in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **325**, 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 D. Hodges, Chairman
E. J. Baerly, Chairman

Subscribed and sworn to before me this *twenty third* day of
may, 19*15*.

R. P. A. Johnson
Surveyor - Draftsman

OATH OF SURVEYOR

I, **R. P. A. Johnson,** **Surveyor - Draftsman**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
February 11, 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, No. **3-3273**, dated **August 18**, 1914, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **325**,
situated within the **PRESCOTT** National Forest, in
un surveyed Section **19**, Township **13 N.**, Range **4 E.**, and
--- surveyed Section **- 30- -**, Township **-13 N.-**, Range **4 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.

R. P. A. Johnson
Surveyor - Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this *twentieth* day of
June, 19*15*.

Elvie C. Myers
Notary Public



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PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Bruce C. Tompkins, Application
 No. 204, dated November 26, 1913; List No. 3-3273,
 dated August 18, 1914; H. E. No. 026423, made at Phoenix
 Arizona by Bruce C. Tompkins, dated January 21, 1915.
 Surveyed under special instructions from the Surveyor

General for Arizona, dated February 11, 1915 and de-
 signated as Homestead Entry Survey No. 325.

Situated in unsurveyed T. 13 N., R. 4 E., in what will
 probably be, when surveyed, secs. 19, & 30, Gila and Salt
 River Base and Meridian, Prescott National Forest,
 Arizona.

Surveyed under the Acts of June 11, 1906 and June 30,
 1914.

Survey commenced May 3, 1915 and executed with a Buff
 and Buff transit. I test the adjustments of the transit and make necessary
 corrections. All measurements were made on the slope with a 500 link
 steel tape and the slope angles determined with a cli-
 nometer.

May 3, 1915.
 At 4h. 55.5m. p.m., l.m.t., I observe the altitude of
 the sun for azimuth at cor. No. 1 of this survey.
 The reading on the reference object is set at zero and
 the sun was observed in the upper left and lower right
 quadrants of the field. My watch is set for local
 mean time. Latitude 34° 30' 30" N., Long. 111° 59' W.,
 by account from special instructions of the Surveyor
 General, and later verified.

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	4h. 55m. 10s.	85° 25' 30"	21° 52' 30"
	Reverse	4h. 55m. 55s.	85° 54' 00"	22° 16' 00"

Bearing of object is N. 0° 07' 15" W.

May 4, 1915.

At 9h. 37lm. a.m., l.m.t., I again observe the altitude of the sun for azimuth at cor. No. 1. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field.

Telescope	Time	Horizontal Angle	Vertical Angle
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Direct 9h. 36m. 30s. 68° 31' 52° 59'

Reverse 9h. 37m. 45s. 69° 04' 52° 42'

Bearing of object N. 0° 06' 03" W.

The mean of these is N. 0° 06' 39" W. and to the corresponding meridian all the courses of this survey are referred.

May 3, 1915.

Beginning at 1/4 cor. bet. secs. 13 and 18, T. 13 N., Rs. 3 and 4 E., which is a malpais stone 20 x 12 x 8 ins. in mound rock, marked 1/4 on S. face. No wit-

Thence South. I make careful search for cor. to secs. 13, 18, 19 and 24. I find no trace of post, pits or memorial.

May 4, 1915.

Beginning at cor. No. 1.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains Identical with cor. H-1 of the list survey, which is a sandstone in mound of stone marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a sandstone 24 x 8 x 8 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled 1 - H E S 325 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high, East of cor., from which:

An alder 6 ins. dia., bears S. 63° E.,
125 lks. dist., scribed 1 H E S 325 B T.

An ash 14 ins. dia., bears S. 1° 22' E., 180 lks. dist., scribed 1 H E S 325 B T.

1/4 cor. bet. secs. 13 and 18, heretofore described, bears N. 22° 44' W., 26.92 chs. dist. by traverse which appears at end of notes.

Lat. 34° 30' 30" N., Long. 111° 59' W., by account from special instructions, and later verified.

Mag. Va. at 9:00 a.m., 14° 51' E., Mean mag. Decl. 14° 48' E.

Thence N. 64° 17' E.
Ascend 30 ft. in open to point of hill.

1.10 Fence bears NNW. and SSE. Descend 30 ft. in open along SE. slope to arroyo.

27.20 Fence bears NNW. and SSE.

29.10 Arroyo, 20 lks. wide, banks 3 ft. high, course S.
Ascend 60 ft. in open to cor.

37.40 Road bears N. and S.

42.77 To cor. No. 2.
Identical with cor. H-2 of the list survey, which is a sandstone in mound rock marked and witnessed as de-

Chains described by the Forest Service. I destroy all trace
of this list cor. and at this point I set a sandstone
conglomerate 40 x 6 x 6 ins., set 30 ins. in ground,
over a small stone marked with a cross, chiseled 2 -
H E S 325 on S. face; and raise a mound of stone 3 ft.
base, 2 ft. high, S. of cor., from which:
A juniper 6 ins. dia., bears S. 62° 56' W.,
415 lks. dist., scribed 2 H E S 325 B T.
A cross on a sandstone conglomerate 18 x 16
x 1 ft. above ground, chiseled B R 2 H E S
325, bears S. 83° 25' E., 94 lks. dist.

Thence S. 43° 30' E.

Descend 50 ft. in open to creek.

8.10 Creek, 40 lks. wide, banks 2 ft. high, course S. 60° W.

Ascend 60 ft. in timber to top of ridge.

23.00 Leave timber, bears E. and W. Descend 45 ft. to creek.

31.00 Road bears E. and W., enter timber.

33.65 Cienega Creek, 100 lks. wide, banks 3 ft. high, course

West. Ascend 10 ft. to cor.

35.09 To cor. No. 3.

Identical with cor. H-3 of the list survey, which is a
malpais stone marked and witnessed as described by the
Forest Service. I destroy all trace of this list cor.
and at this point I set a malpais stone 24 x 10 x 8 ins.
14 ins. in the ground, over a small stone marked with
a cross, chiseled 3 - H E S 325 on W. face; and raise
a mound of stone 3 ft. base, 2 ft. high, W. of cor.,
from which:

A juniper 6 ins. dia., bears S. 1° W., 24

lks. dist., scribed 3 H E S 325 B T.

An oak 6 ins. dia., bears N. 81° 15' E., 32

TAMPRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains	lks. dist., scribed 3 H E S 325 B T.
	Thence S. 81° 43' W.
	Ascend 60 ft. in timber to edge of mesa.
8.00	Leave timber, bears NW. and SE.
13.00	Edge mesa, over open level mesa. Mesa bears NNW. & SSE.
22.00	Edge mesa, descend 50 ft. to arroyo. Mesa bears NNW. & SSE.
27.30	Arroyo, 8 lks. wide, banks 2 ft. high, course N. 30° W.
	Ascend 20 ft. to top low ridge.
32.00	Top ridge, descends 25 ft. to creek. Ridge bears NNW. & SSE.
35.85	Fence, bears NNW. and SSE.
36.00	Creek, 20 lks. wide, banks 2 ft. high, course N.
	Ascend 25 ft. to cor.
39.83	To cor. No. 4.
	Identical with cor. H-4 of the list survey, which is a sandstone marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a sandstone conglomerate 28 x 12 x 8 ins., 18 ins. in the ground, over a small stone marked with a cross, chiseled 4 - H E S 325 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor., from which:
	A juniper 10 ins. dia., bears N. 32° 42' E.,
	79 lks. dist., scribed 4 H E S 325 B T.
	A juniper 10 ins. dia., bears S. 3° 25' W.,
	97 lks. dist., scribed 4 H E S 325 B T.
	Thence N. 61° 40' W.
	Ascend 45 ft. along NE. slope in brush.
10.00	Top ascent, descend 100 ft. to creek.
18.00	Leave brush, bears E. and W.
19.60	Cienega Creek, 80 lks. wide, banks 3 ft. high, course W.

Chains Ascend 10 ft. to cor.
25.00 Fence bears NNW. and SSE.
26.50 To cor. No. 1, place of beginning.

AREA

Total area ----- 102.96 acres

IMPROVEMENTS.

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

A one-room frame dwelling, the long side of which bears E. and W. and chimney of which bears S. 15° 19' W., 16.60 chs. dist. from cor. No. 2.

Value ----- \$ 50.00

A frame barn, 28 x 20 ft., the long side of which bears E. and W. and NW. cor. of which bears S. 32° 30' W., 18.40 chs. dist. from cor. No. 2.

Value ----- \$100.00

There is approximately 1/2 mile of wire fence.

Value ----- \$ 50.00

There is a double corral, stockade.

Value ----- \$ 75.00

DESCRIPTION.

This claim is situated on Cienega Creek just above the box. The general slope of land is to West with North, South, West and NW. exposures. The tract is open with exception of strip of timber along creek and scattered juniper in the West and oak brush in Southwestern portion.

Cienega Creek furnishes sufficient water for domestic

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STATE OF ARIZONA

Chains

use and will irrigate a portion of tract.

The bottom land along creek has a sandy loam soil from four to eight feet deep. Slopes on S. and W. are rocky outcropping of sandstone conglomerate and not tillable. The slope on N. is gradual and can be cultivated.

There is approximately 2 acres in cultivation.

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims but Hudson patented ranch is 1/2 mile West below box.

Camp Verde, the nearest post office, is about 10 miles to NE. by good wagon road. Dewey, the nearest railroad point, is about 20 miles to West.

TRAVERSE

COR.	Course	Dist.	N	S	E	W
1-2	N. 64° 17' E.	42.77	18.56 ✓		38.53 ✓	
2-3	S. 43° 30' E.	35.09		25.45 ✓	24.15 ✓	
3-4	S. 81° 43' W.	39.83		5.74 ✓		39.41 ✓
4-1	N. 61° 40' W.	26.50	12.58 ✓			23.33 ✓
		144.19	31.14	31.19	62.68	62.74
				31.14		62.68
	Error in Lat. and Dep.			0.05		0.06

Closing error 1:1846 ✓

Tie to 1/4 cor. bet. secs. 13 and 18, T. 13 N.,

Rs. 3 and 4 E.

Cor.	Course	Dist.	N	S	E	W
1-Tp.	N. 24° 22' W.	21.82	19.88			9.00 ✓
Tp.-1/4N.	15° 42' W.	5.16	4.97 ✓			1.40 ✓
			24.85			10.40

Therefore 1/4 cor. bet. secs. 13 and 18 bears N. 22° 44'

W., 26.92 chs. dist. from cor. No. 1.

Survey completed May 4, 1915.

R. P. L. Johnson
Surveyor - Draftsman

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STATE OF ARIZONA

Chains use and will traverse a portion of tract. The bottom land along creek has a sandy loam soil from four to eight feet deep. Slopes on S. and W. are rocky outcroppings of sandstone conglomerate and not tillable. The slope on N. is gradual and can be cultivated. There is approximately 2 acres in cultivation. I saw no indication of minerals upon this claim.

CONFLICTS AND ADJOINING CLAIMS
There are no conflicting or adjoining claims but Hanson patented ranch is 1/2 mile West below box. Camp Verde, the nearest post office, is about 10 miles to NE. by good wagon road. Dewey, the nearest railroad point, is about 20 miles to West.

TRAVELER

Course	Dist.	N	S	E	W
1-2 N. 64° 17' E.	43.77	18.53		38.53	
2-3 S. 43° 30' E.	35.09		23.43	24.15	
3-4 S. 81° 48' W.	32.83		5.74		32.41
4-1 N. 61° 40' W.	26.50	12.58			23.33
	144.19	31.14	31.19	62.58	62.74
		31.14			62.58
			0.05		0.05

Error in lat. and Dep. Closing error 1:1846 Tie to 1/4 cor. bet. secs. 13 and 18, T. 13 N., Rs. 3 and 4 E.

Course	Dist.	N	S	E	W
1-2 N. 24° 32' W.	21.82	19.88			9.00
2-1 N. 15° 42' W.	5.16	4.97			1.40
	24.82				10.40

Therefore 1/4 cor. bet. secs. 13 and 18 bears N. 32° 44' W., 26.92 chs. dist. from cor. No. 1. Survey completed May 4, 1915.

[Signature]
Surveyor - Dr. J. H. ...

HOMESTEAD ENTRY SURVEY NO. 325

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Computations.

Observation of sun for azimuth May 3, 1915, at Cor. No. 1 of this survey.

Lat. 34° 30' 30" N., Long. 111° 59' W.,

Elevation 4,400 ft.

Telescope	Time	Horizontal Angle	Vertical Pos. of Angle	Sun
Direct	4h. 55m. 10s.	85° 25' 30"	21° 52' 30"	+
Reverse	4h. 55m. 55s.	85° 54' 00"	22° 16' 00"	+
Mean	4h. 55m. 32s.	85° 39' 45"	22° 04' 15"	
	7h. 27m. 56s.		02' 02"	ref.
	12h. 23m. 28s.		22° 02' 13"	

Dec. 15° 35' 19"

$$\text{Cos. Q.} = \frac{\sin. 15^\circ 35' 19''}{\cos. 34^\circ 30' 30'' \times \cos. 22^\circ 02' 13''}$$

$$\tan. 34^\circ 30' 30'' \times \tan. 22^\circ 02' 13''$$

$$\begin{aligned} \log. \sin. 15^\circ 35' 19'' &= + 9.429313 \\ \log. \cos. 34^\circ 30' 30'' &= - 9.915950 \\ \log. \cos. 22^\circ 02' 13'' &= - 9.967053 \\ \hline &9.546310 = 10\log. .35181 \end{aligned}$$

$$\begin{aligned} \log. \tan. 34^\circ 30' 30'' &= + 9.837270 \\ \log. \tan. 22^\circ 02' 13'' &= + 9.607216 \\ \hline &9.444486 = 10\log. .27828 \end{aligned}$$

$$\text{Cos. Q.} = .07353$$

$$\text{Q.} = 85^\circ 47'$$

Bearing of object N. 0° 07' 15" W.

Observation of sun for azimuth May 4, 1915 at cor. No. 1.

Telescope	Time	Horizontal Angle	Vertical Pos. of Angle	Sun
Direct	9h. 36m. 30s.	68° 31' 00"	52° 59' 00"	+
Reverse	9h. 37m. 45s.	69° 04' 00"	52° 42' 00"	+
Mean	9h. 37m. 07s.	68° 47' 30"	52° 50' 30"	
	4h. 32m. 16s.		37"	ref.
	5h. 04m. 51s.		52° 49' 53"	

Dec. 15° 47' 33"

$$\text{Cos. Q.} = \frac{\sin. 15^\circ 47' 33''}{\cos. 34^\circ 30' 30'' \times \cos. 52^\circ 49' 53''}$$

$$\tan. 34^\circ 30' 30'' \times \tan. 52^\circ 49' 53''$$

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STATE OF ARIZONA

Chains
 $\log. \sin. 15^\circ 47' 33'' = + 9.434815$
 $\log. \cos. 34^\circ 30' 30'' = - 9.915950$
 $\log. \cos. 52^\circ 49' 53'' = - 9.781154$
 $9.737711 = \log. .54665$
 $\log. \tan. 34^\circ 30' 30'' = + 9.837270$
 $\log. \tan. 52^\circ 49' 53'' = + 10.120229$
 $9.957499 = \log. .90677$
 $\cos. Q. = .36012$
 $Q. = 68^\circ 53' 33''$
 Bearing of object N. $0^\circ 06' 03''$ W.

Observation of sun for azimuth - May 4, 1918 at cor. No. 1.
 Horizontal Angle
 Vertical Angle
 Time
 Telescope
 Direct
 Reverse
 Mean
 $\cos. Q. = .36012$
 $Q. = 68^\circ 53' 33''$

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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. 325, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	N. 64° 17' E.	42.77	18 56 ²⁸	14 25	38 53 ⁵⁵		38 55	716 26		
2-3	S. 43° 30' E.	35.09		45 25	24 15 ¹⁶		101 26		2576 05	
3-4	S. 81° 43' W.	39.83		5 74		39 41	86 03		492 95	
4-1	N. 61° 40' W.	26.50	12 58 ⁵⁹			23 33	23 32	293 60		
		144.19	31 14	31 19	62 68	62 74		1009 86	3069 00	
			31 17	31 17	62 71	62 71			1009 86	
									2059 14	
									102 957	Acres
	Closing error 1:1846									

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ENTH

APPROVAL

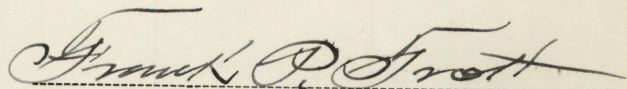
Office of the United States Surveyor General,

Phoenix, Arizona, June 28, 1918

The foregoing field notes of Homestead Entry Survey No.

325

executed by R. P. A. Johnson, Surveyor Draftsman
under his special instructions, dated February 11, 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.