

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. **326**

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. **3**
Approximately

In Section **21**, unsurveyed, Township **13 N.**, Range **4 E.**

(Secs. 22 and 27)

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA.

Applicant for listing **John H. Tompkins,**

Residence **Camp Verde, Arizona.**

Application No. **165** ✓, dated **February 3**, 19**13** ✓

List No. **3-2719** ✓, dated **August 7**, 19**13** ✓

Applicant for survey **John H. Tompkins,**

Residence **Camp Verde, Arizona.**

H. E. No. **024658** ✓, dated **April 25**, 19**14** ✓

Land District **Phoenix, Arizona.**

Survey executed by **R. P. A. Johnson, Surveyor - Draftsman,**
[Forest Service Title.]

Under special instructions dated **February 11**, 19**15** ✓

Survey commenced **May 5**, 19**15**

Survey completed **May 22**, 19**17.**

Under Acts of **June 11, 1906 and June 30, 1914.**

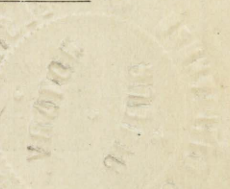
81

AW 3-1916

OT. 1-1917

MAY 24 1918

That page 2



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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. **326**, 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. Hoshorn - Chairman.
W. B. Baerly - Chairman.

Subscribed and sworn to before me this *23rd* 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, 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. **3-2719**, dated **August 7**, 19**13**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **326**,
situated within the **Prescott** National Forest, in **approximately**
un surveyed Section 21, Township **13 N.**, Range **4 E.**, and **approximately**
-- 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 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 *twelfth* day of
June, 19*15*.

Elsie C. Meyers
Notary Public



U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO.

SITUATED IN THE

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section , surveyed, Township , Range

of the

Meridian.

State of

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land District

Survey executed by

Under special instructions dated

Survey commenced

Survey completed

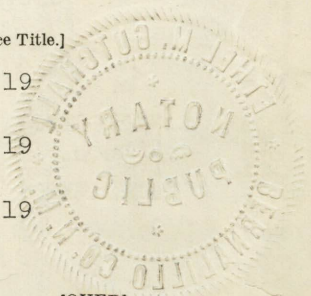
Under Acts of

[Forest Service Title.]

, 19

, 19

, 19



[OVER]

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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. *326*, 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 established, according to the instructions furnished by the United States Surveyor General for *Arizona*

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

Chas Robinson

Chainman

John E. Adams

Chainman

Subscribed and sworn to before me this *fourth* day of

June, 1917.

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 instructions 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

List Patent, No. *3-2719*, dated *August 7, 1913*, for *June 11, 1906*, under the Act of *June 11, 1906*, the same to be known as Homestead Entry Survey No. *326*, situated within the **PRESCOTT** National Forest, in *approximately* *unsurveyed Section 21*, Township *13 N*, Range *4 E*, and surveyed Section *21*, Township *13 N*, Range *4 E*,

of the *Gila and Salt River* 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 *twenty-ninth* day of

June, 1917.

My Commission expires Mar. 17 1927

Echel M. Gutchall
Notary Public



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, John H. Tompkins; Application No. 165, dated February 3, 1913; List No. 3-2719, dated August 7, 1913; H. E. No. 024658 made in the Phoenix Land Office on April 25, 1914, by John H. Tompkins. Surveyed under special instructions from the Surveyor General for Arizona, dated February 11, 1915 and designated as Homestead Entry Survey No. 326.

Situated in T. 13 N., R. 4 E., in what will probably be when surveyed section 21, 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 5, 1915, and executed with a Buff and Buff transit.

I test the adjustments of the transit and make necessary corrections.

All measurements were made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

May 5, 1915.

At 9h. 16.8m., a.m., l.m.t., I observe the altitude of the sun for azimuth at cor. No. 3 of this survey. 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. My watch is set for local mean time. Latitude 34° 30' N., Longitude 111° 57' W.

| Telescope | Time | Horizontal Angle | Vertical Angle |
|-----------|------|------------------|----------------|
|-----------|------|------------------|----------------|

| | | | |
|--------|---------------|-------------|-------------|
| Direct | 9h. 16m. 20s. | 74° 34' 00" | 49° 17' 00" |
|--------|---------------|-------------|-------------|

| | | | |
|----------|---------------|-------------|-------------|
| Reversed | 9h. 17m. 20s. | 75° 08' 30" | 48° 57' 00" |
|----------|---------------|-------------|-------------|

Bearing of reference object, N. 1° 07' 39" E.

| | | |
|----------|-------------|-------------|
| Direct | 74° 34' 00" | 49° 17' 00" |
| Reversed | 75° 08' 30" | 48° 57' 00" |

Difference in meridian 0° 00' 24"

Chains I again observe the altitude of the sun for azimuth at cor.
No. 3, 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 |
|-----------|---------------|------------------|----------------|
| Direct | 3h. 18m. 20s. | 79° 36' 30" | 41° 57' 00" |
| Reversed | 3h. 18m. 20s. | 79° 04' 30" | 42° 16' 00" |

Bearing of reference object, N. 1° 06' 13" E.

The mean of these is N. 0° 06' 56" E., and to the corresponding meridian all the courses of this survey are referred.

TIE

May 22, 1917.

I return to claim and run tie to U. S. L. M. 2928 in accordance with instruction of Surveyor General's letter of April 7, 1917.

At 9h. 50m. a.m., l.m.t., I set off 34° 28-1/2' on lat. arc, 20° 22-1/2' N. on decl. arc, and determine a meridian with the solar at U. S. L. M. No. 2928 which is a lava rock 4' x 3' x 3' ft. marked and witnessed as described by the Surveyor General. I then observe the altitude of sun for azimuth at this point; the reading on the meridian determined with solar is set at zero and sun was observed in lower left and upper right quadrants of the field.

My watch is set for local mean time. Lat. 34° 28' 45" N.

Long. 111° 57' W. from special instructions of Surveyor General, and later verified.

| Telescope | Time | Horizontal Angle | Vertical Angle |
|-----------|---------------|------------------|----------------|
| Direct | 9h. 53m. 20s. | 71° 46' 30" | 58° 25' 30" |
| Reversed | 9h. 54m. 15s. | 72° 29' 30" | 58° 03' 30" |

Difference in meridian, 0° 00' 24".

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains Thence N. 26° 46' 30" E.

By traverse which appears at end of notes.

108.82 Cor. No. 1 hereinafter described.

At 2h. 10m. p.m., l.m.t., I set off 34° 30' on lat. arc 20° 24-1/2' N. on decl. arc and determine a meridian with the solar. The meridian thus determined checks 0° 00' 30" with meridian determined by direct solars of May 5, 1915.

May 22, 1917.

May 5, 1915.

Beginning at cor. No. 1.

Identical with cor. H-1 of the list survey, which is a malpais stone 15 x 7 x 10 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 malpais stone 24 x 14 x 8 ins., 14 ins. in the ground over a small stone marked with a cross, chiseled 1 - H E S 326 on NW. face; and raise a mound of stone 3 ft. base, 2 ft. high; NW. of cor; from which:

A juniper 12 ins. dia. bears S. 23° 30' E.

59 lks. dist., scribed 1 H E S 326 B T.

A juniper 8 ins. dia. bears N. 9° 13' W.

132 lks. dist., scribed 1 H E S 326 B T.

U. S. L. M. No. 2928, heretofore described

bears S. 26° 46' 30" W., 108.82 chs. dist.

by traverse which appears at end of these notes.

Lat. 34° 29' 48" N. Long. 111° 56' 50" W. from

special instructions of Surveyor General, and later verified.

Mag. Var. at 9:00 a.m., 14° 09' E.

Mean Mag. Var. 14° 06' E.

Thence N. 64° 01' W.

Descend 70 ft. to Creek.

X
E 6' 50"
111° 57' at
Cor. 3, page 1

Chains

3.90 Enter timber bears NW. and SE.

4.70 Cienega Creek 10 lks. wide, banks 3 ft. high, course
N. 30° W. Ascend 20 ft. to cor.

13.41 To cor. No. 2.

I set a malpais stone 24 x 12 x 12 ins., 14 ins. in the ground over a small stone marked with a cross, chiseled 2 - H E S 326 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor. from which:

A juniper 12 ins. dia., bears N. 75° 51' E.,
5 lks. dist., scribed 2 H E S 326 B T.

A juniper 10 ins. dia. bears N. 33° 46' W.,
56 lks. dist., scribed 2 H E S 326 B T.

Cor. H-4 of the list survey, a juniper 12 ins. dia. marked and witnessed as described by the Forest Service, bears N. 75° 51' E., 5 lks. dist.
I destroy all trace of the list cor.

Thence N. 2° 55' E.

Descend 40 ft. to Creek.

2.00 Leave timber bears E. and W.

8.50 Cienega Creek, 10 lks. wide, banks 4 ft. high, course W.

8.80 Fence bears E. and W.

10.40 Road bears E. and W.

12.30 To cor. No. 3.

Identical with cor. H-3 of the list survey which is a malpais rock 10 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 malpais stone 30 x 16 x 12 ins., 20 ins. in the ground, over a small stone marked with a cross, chiseled 3 - H E S 326 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor. from which:

HOMESTEAD ENTRY SURVEY NO. 326

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains A juniper 10 ins. dia. bears N. 88° 53' W.,
 199 lks. dist., scribed 3 H E S 326 B T.
 A juniper 10 ins. dia. bears S. 13° 07' E.
 211 lks. dist., scribed 3 H E S 326 B T.

Thence S. 57° 15' E.
 Ascend along open SW. slope 60 ft. to cor.
 7.40 Road bears E. and W.
 9.20 Fence bears E., W. and S.
 10.35 Fence bears N. and S.
 14.19 To cor. No. 4.

Identical with cor. H-2 of the list survey which is a
 malpais stone in place 48 x 24 x 18 ins. above ground
 marked and witnessed as described by the Forest Ser-
 vice. I destroy all trace of this list cor. and mark
 same stone 4 - H E S 326 on the W. face; and raise a
 mound of stone 3 ft. base, 2 ft. high, west of cor from
 which:

- A juniper 4 ins. dia. bears N. 28° 03' W.,
 67 lks. dist., scribed 4 - H E S 326 B T.
 - A juniper 4 ins. dia. bears N. 86° 31' W.,
 40 lks. dist., scribed 4 - H E S 326 B T.

Thence S. 2° 54' W.
 Descend 40 ft. to arroyo.
 3.24 Arroyo, 30 lks. wide, banks 4 ft. high, course NW.
 Ascend 70 ft. to cor.
 7.40 Enter timber, bears NE. and SW.
 9.90 Fence bears E. and W.
 10.52 To cor. No. 1, the place of beginning.

AREA

Total area - 14.06 Acres.

Chains

IMPROVEMENTS

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

A frame house 14 x 12 ft., the long side of which bears N. and S. and NE. cor. of which bears S. 35° 47' W., 5.10 chs. dist. from cor. No. 4.

Value - - - - - \$ 75.00

A frame shop 12 x 10 ft., the long side of which bears N. and S. and NE. cor. of which bears S. 25° 59' W., 3.60 chs. dist. from cor. No. 4.

Value - - - - - \$ 75.00

A barn 36 x 14 ft., the long side of which bears N. and S. and NE. cor. of which bears S. 20° 47' W., 8.70 chs. dist. from cor. No. 4.

Value - - - - - \$ 75.00

Cienega Spring in SE. portion of the tract has been developed by tunneling and piping to trough and garden.

Value - - - - - \$300.00

There is approximately 1/2 mile of wire fence.

Value - - - - - \$ 50.00

DESCRIPTION

This tract is situated on headwaters of Cienega Creek on the Agua Fria water-shed.

The general slope is to NW. with NE., SW., and W. exposures. A portion of the bottom and NE. exposure is timbered.

The bottom land is a rich black loam from 2 to 6 ft. deep and will support crops. It is especially adapted to orchard growing.

Slopes are rocky with gradual slopes and shallow soil and doubtful agricultural possibilities.

Cienega Spring has been developed sufficiently to ir-

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains

rigate bottom land and also furnishes water for domestic use.

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicting or adjoining claims.

Camp Verde, the nearest post office, is approximately 9 miles to NE.

Dewey, the nearest railroad point, is about 23 miles to the West.

TRAVERSE.

| Cor. | Course | Dist. | N. | S. | E. | W. | |
|------------------------|---------------|-------|-------|-------|--------------|--------------|--------------|
| 1-2 | N. 64° 01' W. | 13.41 | 5.88 | | | 12.05 | |
| 2-3 | N. 2° 55' E. | 12.30 | 12.28 | | 0.63 | | |
| 3-4 | S. 57° 15' E. | 14.19 | | 7.68 | 11.93 | | |
| 4-1 | S. 2° 54' W. | 10.52 | | 10.51 | | .53 | |
| | | | 50.42 | 18.16 | 18.19 | 12.56 | 12.58 |
| Error in Lat. and Dep. | | | | | <u>18.16</u> | <u>12.56</u> | <u>12.56</u> |
| | | | | | 0.03 | | 0.02 |

Closing error 1:1400

Survey completed May 22, 1917.

R. L. Johnson
Surveyor - Draftsman.

Chains

I saw no indication of mineral upon this claim.
domestic use.
rigate bottom land and also furnished water for

CONFLICTS AND ADJOINING CLAIMS.
There are no conflicts or adjoining claims.
Camp Verde, the nearest post office, is approximately
9 miles to NE.
Dewey, the nearest railroad point, is about 25 miles to
the West.

TRAVELER

| Course | Dist. | W. | S. | E. | N. |
|--------------------------------|-------|------|-------|-------|-------|
| 1-2 N. 66° 01' W. | 12.41 | 3.88 | | | |
| 2-3 N. 2° 35' E. | 12.20 | | 2.63 | | |
| 3-4 S. 73° 15' E. | 14.19 | | | 7.63 | 11.93 |
| 4-1 S. 2° 34' W. | 10.62 | | 10.61 | | |
| Error in Dist. and Dep. | | | | | |
| Closing error: 1:1400 | | | | | |
| Survey completed May 22, 1917. | | | | | |
| 60.42 | 18.18 | | 18.12 | 12.62 | |
| | | | 18.12 | | |
| | | | 0.03 | | |
| 12.68 | | | | | |
| 12.68 | | | | | |
| 0.02 | | | | | |

Surveyor - [Signature]

Chains

Azimuth from solar of May 5, 1915 at cor. No. 3

Lat. 34° 30' N. Long. 111° 57' W. Elevation 4500 ft.

Observation.

| Telescope | Time | Horizontal Angle. | Vertical Angle. | Position of sun. |
|-----------|-------------------|-------------------|-----------------|------------------|
| Direct | 9h. 16m. 20s. | 74° 34' | 49° 17' | + |
| Reverse | 9h. 17m. 20s. | 75° 08' 30" | 48° 57' | - |
| | 2) 18h. 33m. 40s. | 149° 42' 30" | 98° 14' | |
| | 9h. 16m. 50s. | 74° 51' 15" | 49° 07' | |
| | 4h. 32m. 12s. | | | 43" ref. cor. |
| | 4h. 44m. 38s. | | 49° 06' 17" | true alt. |

Dec. 16° 04' 43" N.

$$\text{Cos. Q.} = \frac{\sin. 16^\circ 04' 43'' \text{ N.}}{\cos. 34^\circ 30' \times \cos. 49^\circ 06' 17''}$$

$$\tan. 34^\circ 30' \times \tan. 49^\circ 06' 17''$$

log. sin. = 16° 04' 43" = +9.442421 ✓
 log. cos. = 34° 30' 00" = -9.915994 ✓
 log. cos. = 49° 06' 17" = -9.816028 ✓
 $\frac{9.710399}{9.899574} = +\log. .51333$ ✓
 log. tan. = 34° 30' 00" = 9.837134 ✓
 log. tan. = 49° 06' 17" = 10.062440 ✓
 $\frac{9.899574}{\cos. Q.} = -\log. .79355$ ✓
 $\cos. Q. = .28022$ ✓
 Q = 73° 43' 36" ✓

Bearing of object is N. 1° 07' 39" E.

Azimuth from solar of May 5, 1915 at cor. No. 3.

Observation.

| Telescope | Time | Horizontal Angle. | Vertical Angle. | Position of sun. |
|-----------|------------------|-------------------|-----------------|------------------|
| Direct | 3h. 18m. 20s. | 79° 36' 30" | 41° 57' | + |
| Reverse | 3h. 19m. 20s. | 79° 04' 30" | 42° 16' | - |
| | 2) 6h. 37m. 40s. | 158° 41' 00" | 84° 13' | |
| | 3h. 18m. 50s. | 79° 20' 30" | 42° 06' 30" | |
| | 7h. 27m. 48s. | | | 54" ref. cor. |
| | 10h. 46m. 38s. | | 42° 05' 36" | |

Dec. 16° 09' 05" ✓

$$\text{Cos. Q.} = \frac{\sin. 16^\circ 09' 05''}{\cos. 34^\circ 30' \times \cos. 42^\circ 05' 36''}$$

$$\tan. 34^\circ 30' \times \tan. 42^\circ 05' 36''$$

log. sin. 16° 09' 05" = +9.444320 ✓
 log. cos. 34° 30' = -9.915994 ✓
 log. cos. 42° 05' 36" = -9.870436 ✓
 $\frac{9.657890}{9.792994} = +\log. .45487$ ✓
 log. tan. 34° 30' = 9.837134 ✓
 log. tan. 42° 05' 36" = 9.955860 ✓
 $\frac{9.792994}{\cos. Q.} = -\log. .62086$ ✓
 $\cos. Q. = .16599$ ✓
 Q = 80° 26' 43" ✓

Bearing of object N. 1° 06' 13" E.

2.9m

STATE OF ARIZONA NATIONAL FOREST

STATE OF ARIZONA

Chains Azimuth from solar of May 5, 1915 at cor. No. 3

Lat. 34° 30' N. Long. 111° 57' W. Elevation 4500 ft.

Observation.

Telescope Direct 9h. 15m. 20s. 74° 34' Horizontal Angle. Vertical Angle. 49° 17' Position of sun.

Reverse 9h. 17m. 20s. 75° 08' 30" 48° 57'

9h. 15m. 20s. 74° 34' 49° 17'

9h. 15m. 20s. 74° 31' 15" 49° 07'

4h. 32m. 12s. 4h. 44m. 38s. 49° 05' 17" true alt. 43" ref. cor.

Dec. 16° 04' 43" N.

cos. 0. = sin. 16° 04' 43" N.

cos. 34° 30' x cos. 49° 05' 17"

tan. 34° 30' x tan. 49° 05' 17"

log. sin. 16° 04' 43" = +9.448421

log. cos. 34° 30' = -9.918934

log. cos. 49° 05' 17" = -9.816028

log. tan. 34° 30' = 9.837134

log. tan. 49° 05' 17" = 10.002440

9.892974 = -log. 9.892974

cos. 0 = 9.892974

9.892974 = -log. 9.892974

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Azimuth from solar of May 5, 1915 at cor. No. 3.

Observation.

Telescope Direct 9h. 18m. 20s. 79° 38' 30" 41° 57' Position of sun.

Reverse 9h. 19m. 20s. 79° 04' 30" 42° 16'

9h. 18m. 20s. 79° 38' 30" 41° 57'

9h. 18m. 20s. 79° 30' 30" 42° 05' 30"

4h. 44m. 38s. 4h. 44m. 38s. 42° 05' 30"

Dec. 16° 09' 05"

cos. 0. = sin. 16° 09' 05"

cos. 34° 30' x cos. 42° 05' 30"

tan. 34° 30' x tan. 42° 05' 30"

log. sin. 16° 09' 05" = +9.444230

log. cos. 34° 30' = -9.918934

log. cos. 42° 05' 30" = -9.870435

log. tan. 34° 30' = 9.837134

log. tan. 42° 05' 30" = 9.958800

9.922974 = -log. 9.922974

9.922974 = -log. 9.922974

9.922974 = -log. 9.922974

9.922974 = -log. 9.922974

9.922974 = -log. 9.922974

Bearing of object N. 1° 06' 13" E.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains

Direct Solar at U. S. L. M. No. 2928, May 22, 1917.

Lat. 34° 28' 45" N. Long. 111° 57' W. Elev. 4700 ft.

| Telescope | Time | Horizontal Angle | Vertical Angle | Pos. Sun |
|-----------|------------------|------------------|----------------|----------|
| Direct | 9h. 53m. 20s. | 71° 46' 30" | 58° 25' 30" | +° |
| Reversed | 9h. 54m. 15s. | 72° 29' 30" | 58° 03' 30" | +° |
| | 2/19h. 47m. 35s. | 144° 16' 00" | 116° 29' 00" | |
| | 9h. 53m. 47s. | 72° 08' 00" | 58° 14' 30" | |
| | | | 30" | |
| | | | 58° 14' 00" | |

Decl. 20° 22' 40".

$$\text{Cos. Q.} = \frac{\sin. 20^\circ 22' 40''}{\cos. 34^\circ 28' 45'' \times \cos. 58^\circ 14' \tan. 34^\circ 28' 45'' \times \tan. 58^\circ 14'}$$

log. sin. 20° 22' 40" = 9.541840

log. cos. 34° 28' 45" = 9.916103

log. cos. 58° 14' 00" = 9.721366

9.904371 = log. .80236

log. tan. 34° 28' 45" = 9.836796

log. tan. 58° 14' 00" = 10.208154

10.044950 = log. 1.10905

Cos. Q. = .30669

Q. = 72° 08' 24".

Difference of Meridian, 0° 00' 24".

ET

DIRECTIONS.—1. Carry out calculation 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.

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. 326, STATE OF ARIZONA

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|----------|------------------------|-----------|------------|--------|-------|-------------|-------|---------------|-------------|---------------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | | |
| 1-2 | N. 64° 01' W. | 13.41 | 5.88 | | | 12.05 | 04 | 70 | 92 | |
| 2-3 | N. 2° 55' E. | 12.30 | 12.28 | | 63.94 | | 63 | 7 | 71 | |
| 3-4 | S. 57° 15' E. | 14.19 | | 7.68 | 11.93 | | 13.20 | | | 101.24 |
| 4-1 | S. 2° 54' W. | 10.52 | | 10.51 | | 53. | 24.61 | | | 258.65 |
| | | 50.42 | 18.16 | 18.19 | 12.56 | 12.58 | | 78 | 63 | 359.89 |
| | | | 18.18 | 18.18 | 12.57 | 12.57 | | | | 78.63 |
| | Closing error, 1:1400. | | | | | | | | | 20/281.26 |
| | | | | | | | | | | 14.063 Acres. |
| C 1-TP | S. 43° 26' W. | 10.19 | | 7.40 | | 7.01 | | | | |
| TP-USLM. | S. 25° 05' W. | 99.10 | | 89.75 | | 42.01 | | | | |
| | | | | 97.15 | | 49.02 | | | | |
| | | | | | | | | log. | 97.155 | = 1.987443 |
| | | | | | | | | log. cos. 26° | 46' 30" | = 9.950746 |
| | | | | | | | | log. | 108.82 | = 2.036697 |
| | | | | | | | | tan | 26° 46' 30" | = 9.702930 |

ET
97

APPROVAL

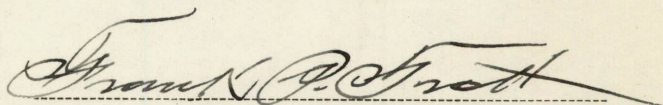
Office of the United States Surveyor General,

Phoenix, Arizona, June 28, 1918

The foregoing field notes of Homestead Entry Survey No.

326

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