

ORIGINAL

107

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

OCT.-2 1916

NOV. 22 1918

MAR. 4 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 385

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 1 , surveyed, Township 17 N., Range 8 E.
In Section 2 , surveyed, Township 17 N., Range 8 E.

of the

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

State of

Arizona.

14-16

Applicant for listing **Clint A Strahan,**
Residence **Flagstaff, Arizona.**

Application No. **147** ✓ , dated **January 8** , 19 **10** ✓

List No. **3-1383** ✓ , dated **July 12** , 19 **11** ✓

Applicant for survey **Henry L Frederick,** ✓
Residence **Flagstaff, Arizona.**

H. E. No. **017910** ✓ , dated **June 29,** , 19 **12.**

Land District **Phoenix, Arizona.**

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

Under special instructions dated **July 9,** , 19 **15.** ✓

Survey commenced **November 18,** , 19 **15.**

Survey completed **September 25,** , 19 **13.**

Under Acts of **June 11, 1906 and March 4, 1915.** ✓

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. 385, 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 the oaths to assistants; hence they were taken by the Surveyor.

Charles H. Baecht
Douglas E. Meister

Subscribed and sworn to before me this fifteenth day of December, 1915.

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 July 9, 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. 3-1383, dated July 12, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 385, situated within the Cocconino National Forest, in surveyed Section 1, Township 17 N, Range 8 E, and surveyed Section 2, Township 17 N, Range 8 E,

of the Gila and Salt River Base 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 25th day of

March, 1916

Elsie C. Meyer
Notary Public



U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 385

SITUATED IN THE /COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section 1 , surveyed, Township 17 N, Range 8 E
" " 2 " " " " " "

of the
Gila and Salt River Base & Meridian.

State of

ARIZONA

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

[Forest Service Title.]

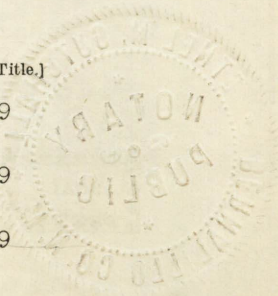
Under special instructions dated , 19

Survey commenced *September* , 19

Survey completed , 19

Under Acts of

[OVER]



OATH OF ASSISTANTS

We hereby certify that we assisted R.P. Johnson in surveying all those parts or portions of Homestead Entry Survey No. 385, 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

Surveyor Draftsman
[Forest Service Title.]

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

Chas. L. Robinson
Forest Ranger

Joe H. Arrell
Chainman

Subscribed and sworn to before me this eleventh day of October, 1917.

R.P. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R.P. 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 June 21, 1906, 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. 3-1363, dated July 12, 1911, for the same to be known as Homestead Entry Survey No. 385, situated within the Cochise National Forest, in surveyed Section 1, Township 17 N, Range 8 E, and surveyed Section 2, Township 17 N, Range 8 E,

of the Gilman Salt River Base 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. Johnson
Surveyor Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this eighteenth day of February, 1918.

Ethel M. Gutschell
Notary Public



8-2349

HOMESTEAD ENTRY SURVEY NO. 385

COCONINO NATIONAL FOREST

STATE OF ARIZONA

1.

Chains

Applicant for listing, Clint A Strahan; Application No. 147, dated January 8, 1910; List No. 3-1383, dated July 12, 1911; H. E. 017910 made in the Phoenix Land Office on June 29, 1912 by Henry L. Frederick.

Surveyed under special instructions from the Surveyor General for Arizona dated July 9, 1915 and designated as Homestead Entry Survey No. 385.

Situated in sections 1 and 2, T. 17 N., R. 8 E., Gila and Salt River Base and Meridian within the Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and March 4, 1915.

Survey commenced November 18, 1915 and executed with a Buff and Buff transit No. 9700-6.

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. Horizontal distances only appear in these notes.

November 18, 1915.

At 9h. 15.6m. l.m.t. I observe the altitude of the sun for azimuth at cor. to secs. 1, 2, 35, and 36, Ts. 17 and 18 N., R. 8 E. hereinafter described. 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.

Lat. 34° 53' 35" N. Long. 111° 30' 30" W, from special instructions of the Surveyor General and Forest Service Grazing Atlas.

HOMESTEAD ENTRY SURVEY NO. 385

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	9h 15m 11s	38° 08' 30"	26° 21' 30"
	Reversed	9h 16m 04s	38° 31' 30"	25° 57' 00"
Bearing of reference object N. 0° 9' 47" E.				

November 19, 1915.

At 8h. 16.7m. l.m.t. I observe the altitude of the sun for azimuth at cor. for secs. 1, 2, 35, and 36, Ts. 17 and 18 N., R. 8 E. hereinafter described. 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.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	8h 16m 15s	49° 58' 30"	17° 43' 30"
Reversed	8h 17m 07s	50° 20' 30"	17° 21' 00"

Bearing of reference object N. 0° 09' 22" E.

The mean of these two is N. 0° 09' 35" E., and to the corresponding meridian all the courses of this survey are referred.

November 18, 1915.

Beginning at cor. for secs. 1, 2, 35, and 36, Ts.

17 and 18 N., R. 8 E., G. & S. R. B. & M., which

is a malpais stone 6 x 6 x 6 ins. above ground

marked and witnessed as described by Surveyor

General.

Thence West.

On random line bet. secs. 2 and 35.

40.39 Fall 196 lks. south of the 1/4 cor. bet. secs. 2 and

35 which is a malpais stone 10 x 4 x 6 ins. above

ground marked and witnessed as described by the

Surveyor General.

Thence S. 87° 13' E.

On true line bet. secs. 2 and 35.

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STATE OF ARIZONA

Chains

33.85

Fall 48 lks. N. of cor. H-1 of list survey hereinafter described.

40.43

To cor. for secs. 1, 2, 35 and 36, heretofore described.

From cor. for secs. 1, 2, 35 and 36 heretofore described. Thence South.

On random line bet. secs. 1 and 2.

40.06

Fall 135 lks. West of 1/4 cor. bet. secs. 1 and 2 which is a malpais stone 8 x 8 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence N. 1° 56' W.

On true line bet. secs. 1 and 2.

40.08

To cor. for secs. 1, 2, 35 and 36, heretofore described.

November 18, 1915.

September 23, 1917.

I, R. P. A. Johnson, Surveyor-Draftsman, together with Chas. L. Robinson, Forest Ranger, and Joe Harrell, Chainman, return to this claim, in accordance with instructions from the District Forester, and make necessary retracements for closure of Sec. 1, T. 17 N., R. 8 E., Gila and Salt River Base and Meridian.

All lines were run with a Buff and Buff transit, equipped with Smith Solar attachment.

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

At 3h.30m.p.m. l.m.t., I set off 34° 53-1/2' on lat. arc 0° 6' S. on decl arc and determine a meridian with the solar at cor. to Secs. 1, 2, 35 and 36, Ts. 17 and 18 N., R. 8 E., heretofore described. The meridian thus determined differs 0° 0' 45"

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains from meridian determined by direct solar observations of November 18 and 19, 1915.

Thence East.

On random line bet. secs. 1 and 36.

40.14 Fall 145 lks. S. of 1/4 sec. cor. bet. secs. 1 and 36, which is a lava stone 10 x 10 x 10 ins. above ground, marked and witnessed as described by Surveyor General. True line is N. 87° 56' E. 40.17 chs.

September 23, 1917.

September 24, 1917.

At 8h. 5m. a.m. l.m.t., I set off 34° 53-1/2' on lat. arc 0° 22' S. on decl arc and determine a meridian with the solar at 1/4 sec. cor. bet. secs. 1 and 36 heretofore described.

Thence East.

On random line bet. secs. 1 and 36.

39.59 Fall 75 lks. S. of point for cor. to Ts. 17 and 18 N., Rs. 8 and 9 E., which is described as a post with mound stone and four witnesses. I find mound and witness trees as described and butt of original post.

I restore cor. as follows:

Deposit a lava stone 5 x 4 x 2 ins., marked with a cross 15 ins. in ground, over which set a lava stone 30 x 14 x 4 ins., marked with 6 notches on N., E., S. and W. faces; and raise a mound of stone 4 ft. base, 2 ft. high around cor. to protect it. Impracticable to set stone deeper.

True line is N. 88° 55' E. 39.60 chs.

Thence South.

On random line bet. secs. 1 and 6.

40.91 Fall 13 lks. W. of 1/4 cor. bet. secs. 1 and 6, which is post marked and witnessed as described by the Surveyor General. Post in poor condition, therefore

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STATE OF ARIZONA

Chains

restore cor. as follows;

Deposit a lava stone 4 x 3 x 2 ins., marked with a cross, 14 ins. in the ground over which set a lava stone 32 x 14 x 5 ins., marked 1/4 on west face; and raise a mound of stone 4 ft. base, 2 ft. high around cor. to protect it. Impracticable to set stone deeper. True line is S. 0° 11' E. 40.91 chs.

Thence South.

On random line bet. secs. 1 and 6.

. 40.14 Fall 6 lks. E. of point for cor. to secs. 1, 6, 7 and 12, which is described by the Surveyor General as a post with charred stake, pits, mound and witness tree. I find no trace of post, pits, mound or memorial. I find witness tree marked as described. I restore cor. as follows:

Deposit a lava stone 4 x 3 x 2 ins., marked with a cross, 14 ins. in the ground, over which set a lava stone 24 x 8 x 6 ins., marked 1/4 on W. face; raise a mound of stone 2 ft. base 1-1/2 ft. high N. of cor. whence:

A yellow pine, 26 ins. dia., bears N. 42° E., 356 lks. dist., scribed 1/4 S B T.

True line is S. 0° 05' W. 40.14 chs.

At 3h. 32m. p.m. l.m.t., I set off 34° 52 1/2' on lat. arc 0° 29-1/2' S. on decl. arc and determine a meridian with the solar at cor. to secs. 1, 6, 7 and 12, heretofore described.

Thence West.

On random line bet. secs. 1 and 12.

38.40 Fall 124 lks. N. of 1/4 sec. cor. bet. secs. 1 and 12, which is lava stone 10 x 6 x 5 ins., marked and witnessed as described by the Surveyor General. Stone

Chains

small. I therefore destroy cor. and in its place deposit a lava stone 3 x 3 x 3 ins., marked with a cross, 14 ins. in the ground, over which set a lava stone 28 x 6 x 6 ins., marked 1/4 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor.

True line is S. 88° 09' W. 38.42 chs.

Thence West.

On random line bet. sec. 1 and 12.

39.35 Fall 19 lks. N. of cor. for secs. 1, 2, 11 and 12, which is a lava stone 12 x 6 x 6 ins., marked as described by the Surveyor General. Stone is small and poorly set.

I therefore destroy this cor. and in its place deposit a lava stone 3 x 3 x 2 ins., marked with a cross 8 ins. in the ground, over which set a lava stone 24 x 10 x 10 ins., marked with 5 notches on S. and 1 notch on E. face; and raise a mound of stone 4 ft. base, 2 ft. high around cor. to protect it; whence:

A yellow pine, 16 ins. dia., bears N. 79° 57' W., 44 lks. dist., marked T. 17 N R 8 E S B T (new bearing tree).

A yellow pine 22 ins. dia., bears N. 82° 45' E., 70 lks. dist., marked T 17 N R 8 E S 11 B T (old bearing tree).

A yellow pine 10 ins. dia., bears S. 44° 25' E., 125 lks. dist., marked T 17 N R 8 E S 12 B T (old bearing tree).

An oak, 8 ins. dia. bears S. 71° 35' W., 39 lks. dist., marked T 17 N R 8 E S 11 B T (old bearing tree).

True line is S. 89° 43' W., 39.35 chs.

September 24, 1917.

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STATE OF ARIZONA

Chains

September 25, 1917.

At 7h. 45m. a.m. l.m.t., I set off $34^{\circ} 52\frac{1}{2}'$ on lat. arc $0^{\circ} 45\frac{1}{2}'$ S. on decl. arc and determine a meridian with the solar at cor. to secs. 1, 2, 11 and 12. Thence North.

On random line bet. secs. 1 and 2.

40.11

Fall 55 lks. E. of $1/4$ sec. cor. bet. secs. 1 and 2, which is a malpais stone 8 x 6 x 6 ins., marked and witnessed as described by Surveyor General. Stone is small and poorly set. I therefore destroy this cor., and in its place deposit a pumice stone 4 x 3 x 3 ins., marked with a cross 12 ins. in the ground, over which set a pumice stone 24 x 10 x 6, marked $1/4$ on W. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

True line is N. $0^{\circ} 47'$ W. 40.11 chs.

September 25, 1917.

BOUNDARIES OF CLAIM.

November 19, 1915.

Beginning at cor. No. 1 and CC. on line bet. secs.

1 and 2, T. 17 N., R. 8 E.,

Set a malpais stone 24 x 8 x 8 ins., 14 ins. in the ground over a stone 8 x 8 x 3 ins. marked with a cross, chiseled a cross on top, 1 - H E S 385 on SW. face and CC on NW. face; and raise a mound of stone 3 ft. base, 2 ft. high, NW. of cor. from which

A yellow pine 28 ins. dia., bears N. $55^{\circ} 36'$ E., 65 lks. dist., blazed and scribed 1 H E S 385 + B T.

A yellow pine 24 ins. dia. bears N. $14^{\circ} 45'$ W. 122 lks. dist., blazed and scribed 1 H E S 385 + B T.

Chains

Cor. for secs. 1, 2, 35 and 36, Ts. 17 and 18 N., R. 8 E., heretofore described, bears N. 1° 56' W., 6.54 chs. dist.

1/4 cor. bet. secs. 1 and 2, T. 17 N., R. 8 E. heretofore described bears S. 1° 56' E., 33.54 chs. dist.

Mag. decl. at 8 a. m. 14° 45' E. Mean Mag. decl. 14° 42' E.

Lat. 34° 53' 30" N., long. 111° 30' 30" W., derived from special instructions from the Surveyor General and Forest Service Grazing Atlas.

Thence S. 46° 53' E.

In open park, 25 lks. SW. of drift fence over level land at edge of timber.

14.31 To cor. No. 2.

Identical with cor. H-2 of the list survey which is a pine post 24 x 4 x 2 ins., marked and witnessed as described by Forest Service. I destroy all trace of this list cor. and in place of which I set a malpais stone 24 x 14 x 4 ins., 14 ins. in the ground over a stone 8 x 4 x 2 ins., marked with a cross, chiseled cross on top and 2 - H E S 385 on SW. face, and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor. from which

A yellow pine 10 ins. dia. bears N. 38° 02' W. 147 lks. dist., blazed and scribed 2 H E S 385 B T.

A yellow pine 26 ins. dia. bears N. 1° 20' E. 25 lks. dist., blazed and scribed 2 H E S 385+B T.

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Chains

Thence S. 51° 33' E.

In open park, 25 lks. SW. of drift fence, over level land at edge of timber.

32.70

To cor. No. 3.

Identical with cor. H-3 of the list survey which is a pine post 24 x 4 x 4 ins. marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and in place of which I set a malpais stone 24 x 12 x 6 ins. 14 ins. in the ground over a stone 4 x 3 x 2 ins. marked with a cross, chiseled cross on top and 3 - H E S 385 on SW. face and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor. from which

A yellow pine 24 ins. dia. bears N. 76°

54' E., 8 lks. dist. blazed and scribed

3 H E S 385 + B T

A yellow pine 20 ins. dia. bears N. 13°

02' W., 15 lks. dist. blazed and scribed

3 H E S 385 + B T

Thence S. 36° 33' E.

In open park 10 lks. SW. of drift fence over level land at edge of timber.

10.30

Fence bears NE. and SW.

23.40

Fence bears NE. and SW.

24.62

To cor. No. 4.

Identical with cor. H-4 of the list survey which is a pine post 28 x 4 x 3 ins. marked and witnessed as described by Forest Service. I destroy all trace of this list cor. and in place of which I set a malpais stone 24 x 12 x 4 ins. 14 ins. in the ground over a stone 8 x 4 x 2 ins. marked with a cross chiseled cross on top and 4 - H E S 385 on SW. face and raise a mound of stone 3 ft.

Chains

base, 2 ft. high, SW. of cor. from which

A yellow pine 24 ins. dia. bears N. 28°

52' W., 123 lks. dist. blazed and scribed

4 H E S 385 + B T

A yellow pine 38 ins. dia. bears S. 1°

47' W., 13 lks. dist. blazed and scribed

4 H E S 385 + B T

Thence S. 53° 10' E.

In open park 75 lks. SW. of drift fence over level land at edge of timber.

28.02

To cor. No. 5.

Set a malpais stone 24 x 14 x 5 ins. 14 ins. in the ground over a stone 8 x 3 x 3 ins. marked with a cross chiseled cross on top and 5 - H E S 385 on W. face and raise a mound of stone 3 ft.

base, 2 ft. high, W. of cor. from which

A yellow pine 28 ins. dia. bears S. 83°

30' W. 33 lks. dist. blazed and scribed

5 H E S 385 + B T

A yellow pine 34 ins. dia. bears S. 61°

00' E., 30 lks. dist. blazed and scribed

5 H E S 385 + B T

Cor. H-5 of the list survey I fail to find after careful search. I destroy the two witness trees which were in place, and marked as described by the Forest Service. Point for cor. as located from witness trees bears S. 53° 10' E., 180 lks. from cor. No. 5 of this survey. New position of cor. necessary to bring tract within one mile limit.

Chains . Thence S. 79° 33' W.
 Across park over level land.
 8.50 Enter cultivated land bears NW. and SE.
 11.10 Leave cultivated land bears NW. and SE.
 11.30 Enter wash, 35 lks. wide, banks 1 ft. high, course NW.
 12.00 Enter cultivated land bears NW. and SE.
 14.20 Leave cultivated land bears NW. and SE.
 15.28 To cor. No. 6.

Set a malpais stone 24 x 15 x 7 ins. 14 ins. in
 the ground over a stone 8 x 5 x 1 ins. marked
 with a cross chiseled cross on top and 6 - H E S
 385 on N. face and raise a mound of stone 4 ft.
 base, 3 ft. high, N. of cor. from which

A yellow pine 28 ins. dia. bears N. 78°
 19' W., 84 lks. dist. blazed and scribed
 6 H E S 385 + B T

A yellow pine 38 ins. dia. bears S. 11°
 07' E., 18 lks. dist. blazed and scribed
 6 H E S 385 + B T

I make a careful search for cor. H-6 of this list
 survey but fail to find it, the witness trees
 marked as described by Forest Service, however,
 were located and destroyed.

Thence N. 48° 33' W.
 In open park over level land along fence at edge
 of timber.

20.70 Fence cor. fence bears NE. and NW.
 31.95 Fence cor. fence bears NE.; leave fence.
 34.13 To cor. No. 7.

Identical with cor. H-7 of the list survey which
 is a post 24 x 3 x 4 ins. marked and witnessed
 as described by Forest Service. I destroy all
 trace of this list cor. and in place of which

Chains

I set a malpais stone 24 x 10 x 10 ins. 14 ins. into
the ground over broken glass, I chisel a cross on
top and 7 - H E S 385 on NE. face and raise a mound
of stone 3 ft. base, 2 ft. high, NE. of cor. from
which

A yellow pine 38 ins. dia. bears S. 65° 05' W.

.19 lks. dist. blazed and scribed 7 H E S 385

+ B T

A yellow pine 34 ins. dia. bears N. 73° 40' W.

.30 lks. dist. blazed and scribed 7 H E S 385

+ B T

Thence N. 17° 28' W.

In scattered timber along edge park over level land.

2.30 Wash, 10 lks. wide, one ft. deep, course WSW.

15.30 To cor. No. 8.

Identical with cor. H-8 of the list survey which
is a pine post 24 x 4 x 4 ins. marked and witnessed
as described by the Forest Service. I destroy all

trace of this list cor. and in place of which I

set a malpais stone 24 x 9 x 7 ins. 14 ins. in the

ground over a stone 4 x 4 x 4 ins. marked with a

cross, chiseled cross on top and 8 - H E S 385

on NE. face and raise a mound of stone 3 ft. base,

2 ft. high, NE. of cor. from which

A yellow pine 20 ins. dia. bears S. 19°

19' W., 107 lks. dist. blazed and scribed

8 H E S 385 + B T

A yellow pine 24 ins. dia. bears N. 88°

32' W., 156 lks. dist. blazed and scribed

8 H E S 385 + B T

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence N. 46° 45' W.
	In open park over level land at edge of timber.
28.78	Wash, 15 lks. wide, 2 ft. deep, course NE.
38.08	To cor. No. 9 and CC. on line bet. secs. 1 and 2.
	Set a malpais stone 28 x 12 x 12 ins. 18 ins. in the ground over a stone 5 x 5 x 2 ins., marked with a cross, chiseled cross on top, and 9 - H E S 385 on NE. face, CC on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor. from which
	A yellow pine 26 ins. dia. bears S. 55° 48' E.,
	109 lks. dist., blazed and scribed 9 H E S
	385 + B T.
	A yellow pine 30 ins. dia., bears S. 56° 18' W.
	129 lks. dist., blazed and scribed 9 H E S
	385 + B T.
	Cor. for secs. 1, 2, 35 and 36, Ts. 17 and 18 N., R. 8 E.,
	heretofore described, bears N. 1° 56' W., 12.75 chs.
	dist.
	1/4 Cor. bet. secs. 1 and 2, T. 17 N., R. 8 E., hereto-
	fore described, bears S. 1° 56' E., 27.33 chs. dist.
	Thence N. 46° 45' W.
	In open park over level land at edge of timber.
9.63	To cor. No. 10.
	Identical with cor. H-9 of the list survey, which is a pine post 24 x 4 x 3 ins., marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and in place of which I set a malpais stone 26 x 10 x 8 ins., 16 ins. in the ground over a stone 6 x 4 x 2 ins., marked with a cross. I chisel 10 - H E S 385 on NE. face and raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor. from which

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

A yellow pine 26 ins. dia. bears S. 81° 47' W.
147 lks. dist., blazed and scribed 10 - H E S
385 + B T.

A yellow pine 30 ins. dia. bears N. 45° 36' W.
123 lks. dist., blazed and scribed 10 - H E S
385 + B T.

Thence N. 0° 05' E.

Over park level land.

3.00 Wash, 20 lks. wide, 1/2 ft. deep, course SE.

5.97 To cor. No. 11.

Identical with cor. H-1 of the list survey which is a
pine post 22 x 4 x 4 ins., marked and witnessed as de-
scribed by the Forest Service. I destroy all trace
of this list cor. and in place of which I set a mal-
pais stone 26 x 12 x 4 ins., 16 ins. in the ground
over a stone 6 x 5 x 4 ins. marked with a cross
chiseled cross on top and 11 - H E S 385 on SE. face
and raise a mound of stone 4 ft. base, 3 ft. high,
SE. of cor. from which

A yellow pine 26 ins. dia. bears N. 74° 03' W.,
96 lks. dist., blazed and scribed 11 - H E S
385 + B T.

A yellow pine 22 ins. dia. bears S. 71° 04' W.,
88 lks. dist., blazed and scribed 11 - H E S
385 + B T.

Thence S. 46° 53' E.

In open park, 20 lks. SE. of drift fence over level
land at edge of timber.

9.32 To cor. No. 1, the place of beginning.

Nov. 19, 1915.

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THE COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

AREA

Section 1	- - - - -	- 77.19 acres
Section 2	- - - - -	4.14 acres
Total area	- - - - -	81.33 acres

Improvements.

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

A log cabin in poor condition 18 x 14 ft., the long side of which bears E. and W., and NE. cor. of which bears N. 79° 15' W., 7.75 chs. dist. from cor. No. 5 of this survey.

Value - - - - - \$ 50.00

There is approximately one mile of wire fence.

Value - - - - - \$100.00

DESCRIPTION.

This claim is situated in what is known as Long Park four miles SW. of Mormon Lake and three miles S. of Mormon Mountain at an elevation of approximately 7200. ft. and has an annual rainfall of 22 ins.

Water for domestic use can be obtained at approximately 15 ft. below the surface; there is no water for irrigation and none is necessary.

The tract consists of a long open park so nearly level that a ditch is necessary to drain surface water.

There are low hills to NE. and SW. and SE., the tract lying in the basin thus formed. The water drains to the SE. on tract leaving it in a southwesterly direction.

The soil is clayey loam, very fertile and especially adapted to raising of oats, barley, wheat, hay and potatoes.

Chains

I saw no indications of mineral upon this claim.
There is approximately six acres in cultivation.

Conflicts and Adjoining Claims.

There are no conflicting or adjoining claims.

Flagstaff, the nearest post office, is thirty miles north, twenty-five miles of which is over good road, and five miles of which is over poor road.

25 386
is about 1/2
mi W.

TRAVERSES.

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	S. 46° 53' E.	14.31		9.78	10.45		
2-3	S. 51° 33' E.	32.70		20.33	25.61		
3-4	S. 36° 33' E.	24.62		19.78	14.66		
4-5	S. 53° 10' E.	28.02		16.80	22.43		
5-6	S. 79° 33' W.	15.28		2.77		15.03	
6-7	N. 48° 33' W.	34.13	22.60			25.58	
7-8	N. 17° 28' W.	15.30	14.60			4.59	
8-9	N. 46° 45' W.	38.08	26.09			27.74	
9-10	N. 46° 45' W.	9.63	6.60			7.01	
10-11	N. 0° 05' E.	5.97	5.97		.01		
11-12	S. 46° 53' E.	9.32		6.37	6.80		
			227.36	75.86	75.83	79.96	79.95
				75.83		79.95	
Error in lat. and dep.				.03		.01	

Closing error 1:7190

Sec. 1, T. 17 N., R. 8 E.

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	S. 46° 53' E.	14.31		9.78	10.45		
2-3	S. 51° 33' E.	32.70		20.33	25.61		
3-4	S. 36° 33' E.	24.62		19.78	14.66		
4-5	S. 53° 10' E.	28.02		16.80	22.43		
5-6	S. 79° 33' W.	15.28		2.77		15.03	
6-7	N. 48° 33' W.	34.13	22.60			25.58	
7-8	N. 17° 28' W.	15.30	14.60			4.59	
8-9	N. 46° 45' W.	38.08	26.09			27.74	
9-1	N. 1° 56' W.	6.21	6.21			.21	
			208.65	69.50	69.46	73.15	73.15
				69.46		73.15	
Error in lat. and dep.				.04		.00	

Closing error 1:5216

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HOMESTEAD ENTRY SURVEY NO. 385

17.

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Sec. 2, T. 17 N., R. 8 E.

Cor.	Course	Dist.	N.	S.	E.	W.
1-9	S. 1° 56' E.	6.21		6.21	.21	
9-10	N. 46° 45' W.	9.63	6.60			7.01
10-11	N. 0° 05' E.	5.97	5.97		.01	
11-1	S. 46° 53' E.	9.32		6.37	6 .80	
		<u>21.13</u>	12.57	12.58	7 .02	7.01

Error in lat. and dep.

<u>12.57</u>	<u>7 .01</u>
.01	.01

Closing error 1:1495

Survey completed September 25, 1917.

P. C. Johnson
 Surveyor - Draftsman.

HOMESTEAD ENTRY SURVEY NO. _____
NATIONAL FOREST
STATE OF _____

Chains

1-9 8.75
9-10 4.25
10-11 7.50
11-1 2.00
Total 22.50
Error in lat. and dep. 0.01
Closing error 0.01
Survey completed September 20, 1907

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Chains

Computation Sheet.

Direct Solar at cor. for secs. 1, 2, 35, and 36, Ts. 17 & 18 N., R. 8 E., on November 19, 1915.

Lat. 34° 53' 35" N. Long. 111° 30' 30" W. Elevation 7200.

Decl. 19° 19' 03" S.

Telescope	Time	Horizontal Angle	Vertical Angle	Position of sun
-----------	------	------------------	----------------	-----------------

Direct	8h 16m 15s	49° 58' 30"	17° 43' 30"	o +
--------	------------	-------------	-------------	-----

Reversed	8h 17m 07s	50° 20' 30"	17° 21' 00"	+°
----------	------------	-------------	-------------	----

2	16h 33m 22s	100° 19' 00"	35° 04' 30"	
---	-------------	--------------	-------------	--

	8h 16m 41s	50° 09' 30"	17° 32' 15"	
--	------------	-------------	-------------	--

	4h 33m 58s			
--	------------	--	--	--

	2' 21"	(corrected
	17° 29' 54"	(refraction

	3h 42m 43s			
--	------------	--	--	--

Decl. 19° 19' 03" S.

$$\text{Cos. } Q = \frac{\sin 19^\circ 19' 03''}{\cos 34^\circ 53' 35'' \times \cos 17^\circ 29' 54''} - \frac{\tan 34^\circ 53' 35'' \times \tan 17^\circ 29' 54''}{\tan 17^\circ 29' 54''}$$

log sin 19° 19' 03" = 9.519569 ✓

log cos 34° 53' 35" = 9.913931 ✓

log cos 17° 29' 54" = 9.979424 ✓

9.626214 = log .42288 ✓

log tan 34° 53' 35" = 9.843500 ✓

log tan 17° 29' 54" = 9.498678 ✓

9.342178 = log .21988 ✓

Cos Q = .64276

Q = 50° 00' 08" ✓

Bearing of reference object N. 0° 09' 22" E. ✓

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct bearing at corner for west line of section 17, T. 1 N., R. 1 E., on November 19, 1915.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S. Telescope - line - angle - horizontal vertical position of sun

Direct on line 100' 00" 11° 30' 30" N. 40' 00" 20'

Reverse on line 60' 00" 30° 30' 30" N. 11' 30" 20'

100' 00" 11° 30' 30" N. 40' 00" 20'

on line 60' 00" 30° 30' 30" N. 11' 30" 20'

IV - 50' 00" 30° 30' 30" N. 11' 30" 20'

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

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Decl. 19° 15' 00" S.

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Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

Decl. 19° 15' 00" S.

Jan. 24, 1916, 5:30 P.M. Bearing 111° 30' 30" N. Distance 780.0

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Computation Sheet

Direct Solar at cor. for secs. 1, 2, 35 and 36, Ts. 17 & 18, N., R. 8 E., on November 18, 1915.

Lat. 34° 53' 35" N. Long. 111° 30' 30" W. Elevation 7200.

Decl. 19° 05' 17" S.

Telescope	Time	Horizontal Angle.	Vertical Angle.	Position of sun
Direct	9h 15m 11s	38° 08' 30"	26° 21' 30"	+
Reversed	9h 16m 04s	38° 31' 30"	25° 57' 00"	+°
2/18h 31m 15s		76° 40' 00"	52° 18' 30"	
	9h 15m 37s	38° 20' 00"	26° 09' 15"	
	4h 33m 58s ✓		1' 31" ✓	refraction
	4h 41m 39s		26° 07' 44" ✓	Altitude

$$\cos Q = \frac{\sin 19^{\circ} 05' 17''}{\cos 34^{\circ} 53' 35'' \times \cos 26^{\circ} 07' 44''} - \frac{\tan 34^{\circ} 53' 35'' \times \tan 26^{\circ} 07' 44''}{\tan 26^{\circ} 07' 44''}$$

log sin 19° 05' 17" = 9.514575 ✓

log cos 34° 53' 35" = 9.913931 ✓

log cos 26° 07' 44" = 9.953183 ✓

9.647461 ✓ = log .44408

log tan 34° 53' 35" = 9.843500 ✓

log tan 26° 07' 44" = 9.690657 ✓

9.534157 = log .34210 ✓

Cos Q = .78618

Q = 38° 10' 13"

Bearing of reference object N. 0° 19' 47" E.

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. 385, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 1 1-2	S. 46° 53' E.	14.31		9 78 ³⁴	10 45		10 45	102 20 [✓]	
2-3	S. 51° 33' E.	32.70		20 33	25 61		46 51	946 01 [✓]	
3-4	S. 36° 33' E.	24.62		19 78 ⁸¹	14 66		86 78	1716 51 [✓]	
4-5	S. 53° 10' E.	28.02		16 80	22 43		123 87	2082 25 [✓]	
5-6	S. 79° 33' W.	15.28		2 77		15 03	131 27	363 62 [✓]	
6-7	N. 48° 33' W.	34.13	22 60 ⁵⁹			25 58	90 66		2048 01 [✓]
7-8	N. 17° 28' W.	15.30	14 60			4 59	60 49		883 15 [✓]
8-9	N. 46° 45' W.	38.08	26 09 ⁸⁸			27 74	28 16		734 41 [✓]
9-1	N. 1° 56' W.	6.21	6 21			0 21	0 21		1 30 [✓]
		208.65	69 50	69 46	73 15	73 15		3666 87	5210 59
			69 48	69 48	73 15	73 15		3666 87	3666 87
								20/1543 72	5210 59
								77 186 Acres.	77 186 Acres.
Sec. 2 1-9	S. 1° 56' E.	6.21		6 21	0 21		13 83		85 88 [✓]
9-10	N. 46° 45' W.	2.63				7 01	7 02		46 40 [✓]
10-11	N. 0° 05' E.	5.97	5 97		0 01		0 01		0 06 [✓]
11-1	S. 46° 53' E.	9.32		6 37	6 80		6 82		43 44 [✓]
		31.13	12 57	12 58	7 02	7 01		46 46	129 32
			12 58	12 58	7 02	7 01		46 46	46 46
								20/82 86	82 86
								4 14 Acres.	4 14 Acres.

E.M.H.

APPROVAL

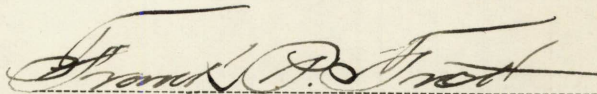
Office of the United States Surveyor General,

Phoenix, Arizona, May 15 , 1918.

The foregoing field notes of Homestead Entry Survey No.

385

executed by R.P.A. Johnson, Surveyor-Draftsman [Forest Service Title.]
under his special instructions, dated July 9 , 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.

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.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 385, STATE OF _____

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
$\frac{1}{4} 172 - \frac{3536}{2}$	N 10 56' 14"	40.08	40.06						
$\frac{3536}{2} - \frac{1}{4} 25$	N 87 56' E	40.17	1.45		40.14				
$\frac{1}{4} 25 - \frac{3031}{2}$	N 88 55' E	39.60	7.5		39.59				
$\frac{3031}{2} - \frac{1}{4} 176$	S 0° 11' E	40.91	40.91		13				
$\frac{1}{4} 176 - \frac{1}{4} 7$	S 0° 05' W	40.14	40.14						
$\frac{1}{4} 7 - \frac{1}{4} 7$	S 88 09' W	38.42	1.24						
$\frac{1}{4} 7 - \frac{2112}{2}$	S 89 43' W	39.35	19						
$\frac{2112}{2} - \frac{1}{4} 172$	N 0° 47' W	40.11	40.11						
		318.78	82.07		79.86				
			82.37		79.71				
			11		15				
			Close under 1' 7 1/4"						

Traverse Sec. 1 a copy to Com's Dept

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