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NOV 2-1916

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 386

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 27 , - surveyed, Township 18 N., Range 8 E.
In Section 34 , - surveyed, Township 18 N., Range 8 E.
In Section 35 , - surveyed, Township 18 N., Range 8 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicants for listing S. L. Duncan and Harley C. Price,

Residence Flagstaff, Arizona.

Application No. 127 , dated September 16 , 1909

Application No. 350 , dated August 1 , 1912

List No. 3-1230 , dated April 11 , 1911

Applicant for survey H. C. Price,

Residence Flagstaff, Arizona.

H. E. No. 017939 , dated June 10 , 1912

Land District Phoenix, Arizona.

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

Under special instructions dated July 9 , 1915

Survey commenced November 16 , 1915

Survey completed November 17 , 1915

Under Acts of June 11, 1906 and March 4, 1915

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OATH OF ASSISTANTS

We hereby certify that we assisted R. P. A. Johnson in surveying all those parts or portions of Homestead Entry Survey No. 386, 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

[Forest Service Title.]

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.

Charles G. Baecht, Chairman
Douglas E. Meister, Chairman

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 3-1230, dated April 11, 1911 and a tract of land upon the application of Harley E. Bruce

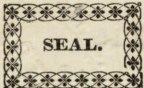
Application, No. 350, dated August 1, 1912, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. , situated within the Cocconino National Forest, in - surveyed Section 27, Township 18N, Range 8E, and - surveyed Section 34, Township 18N, Range 8E, and - surveyed Section 35, Township 18 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.

Elmer C. Meyer
Notary Public



8-2349

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, S. L. Duncan; Application No. 127, dated September 16, 1909; List No. 3-1230, dated April 11, 1911; H. E. 017939, made in the Phoenix Land Office on June 10, 1912 by H. C. Price.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 017939.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915, and designated as Homestead Entry Survey No. 386.

Situated in secs. 27, 34 and 35, T. 18 N., R. 8 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

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

Survey commenced November 16, 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 16, 1915.

At 3h. 33.4m. l.m.t., I observe the altitude of the sun for azimuth at cor. No. 1, which is also cor. for secs. 26, 27, 34 and 35, T. 18 N., R. 8 E. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants

Chains of the field. My watch is set for local mean time.
Latitude, 34° 54' 15" N.; Longitude 111° 31' 48" W.;
Elevation 7200 ft., from special instructions from the
Surveyor General and Forest Service Grazing Atlas.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	3h. 32m. 59s.	56° 29' 00"	12° 41' 00"
Reversed	3h. 33m. 55s.	56° 06' 00"	13° 05' 30"

Bearing of reference object, N. 0° 16' 55" W.

November 17, 1915.

At 9h. 21.8m. l.m.t., I observe the altitude of the sun for azimuth at cor. No. 1, and cor. for secs. 26, 27, 34 and 35, T. 18 N., R. 8 E. 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	9h. 21m. 06s.	36° 30' 00"	27° 18' 00"
Reversed	9h. 22m. 29s.	36° 46' 00"	26° 56' 00"

Bearing of reference object, N. 0° 18' 07" W.

The mean of these is N. 0° 17' 31" W., and to the corresponding meridian all the courses of this survey are referred.

November 16, 1915.

From cor. for secs. 26, 27, 34 and 35, T. 18 N., R. 8 E., which is a malpais stone 8 x 6 x 4 ins., in mound stone marked and witnessed as described by the Surveyor General. The stone was small and in poor condition. Destroy same, and in place of which set a malpais stone

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STATE OF ARIZONA

Chains

30 x 8 x 8 ins., 20 ins. in the ground, over a small stone marked with a cross; chiseled 1 notch on S. edge and 2 notches on E. edge; and raised a mound of stone 3 ft. base, 2 ft. high, N. of cor.

Thence South.

On random line bet. secs. 34 and 35.

40.20 Fall 9 lks. East of 1/4 cor. bet. secs. 34 and 35, which is a malpais stone 10 x 8 x 4 ins. in mound of rock, marked and witnessed as described by the Surveyor General. Cor. is in poor condition. Destroy same, and in place of which set a malpais stone 26 x 10 x 5 ins., 16 ins. in the ground, over a small stone marked with a cross, chiseled 1/4 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high, West of cor.

Return course N. 0° 08' E., 40.20 chs.

Return to cor. of secs. 26, 27, 34 and 35, T. 18 N., R. 8 E., heretofore described.

Thence West.

On random line bet. secs. 27 and 34.

40.11 Fall 30 lks. N. of 1/4 cor. bet. secs. 27 and 34, which is a malpais stone 12 x 8 x 4 ins., in mound of rock, marked and witnessed as described by the Surveyor General. Cor. is in poor condition. Destroy same, and in place of which set a malpais stone 24 x 6 x 6 ins., 6 ins. in the ground, over a small stone marked with a cross, chiseled 1/4 on N. face; and raise a mound of stone 4 ft. base, 3 ft. high, around cor. to protect it. Impracticable to set stone deeper.

Return course N. 89° 34' E., 40.11 chs.

Chains

Beginning at cor. No. 1.
 Identical with cor. for secs. 26, 27, 34 and 35,
 T. 18 N., R. 8 E., heretofore described. I chisel a
 cross on top of sec. cor. and alongside set a malpais
 stone 24 x 16 x 4 ins., 14 ins. in the ground, chiseled
 1 - H E S 386 on SW. face, whence:
 A yellow pine, 20 ins. dia., bears N. 54°
 18' W., 142 lks. dist., blazed and
 scribed 1 H E S 386 + B T.
 A yellow pine, 4 ins. dia., bears N. 46°
 56' E., 51 lks. dist., blazed and
 scribed 1 H E S 386 + B T.
 Lat. 34° 54' 15" N., Long. 111° 31' 48" W., from special
 instructions from the Surveyor General and Forest
 Service Grazing Atlas.
 Mag. Va. at 9:00 a.m., 14° 42' E. Mean Mag. Va., 14°
 40' E.
 Thence S. 0° 08' W.
 On line bet. secs. 34 and 35, over unlisted land.
 In open, over level land.
 1.91 Road, bears NW. and SE.
 7.80 Enter pine timber, bears NE. and SW. Ascend 10 ft.
 10.90 Top ascent, descend 10 ft. to flat.
 14.00 Foot descent, leave timber, bears NW. and SE.
 15.88 To cor. No. 2 and C. C. on line bet. secs. 34 and 35.
 I chisel (+) on a stone 5 x 5 x 4 ins., and deposit
 it 14 ins. in the ground; over which I set a malpais
 stone 24 x 9 x 6 ins., 14 ins. in the ground; chiseled
 (+) at the point, 2 - H E S 386 on the SW. face and
 C C on SE. face; and raise a mound of stone 3 ft. base,

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Chains 2 ft. high, SE. of cor., from which:

A yellow pine, 16 ins. dia., bears N. 10° 59' W., 172 lks. dist., blazed and scribed 2 H.E S 386, + B T.

A yellow pine, 36 ins. dia., bears N. 31° 30' E., 107 lks. dist., blazed and scribed 2 H.E S 386, + B T.

1/4 cor. bet. secs. 34 and 35, heretofore described, bears S. 0° 08' W., 24.32 chs. dist.

Thence S. 51° 35' E.

In open, over level land, along fence. Leave unlisted and enter listed land.

7.56 Road, bears NNE. and SSW.

8.71 Arroyo, 20 lks. wide, 3 ft. deep, course S. 15° E.

12.00 Enter pine timber, bears N. and S.

24.35 Fall 21 lks. N. of cor. H-6 of the list survey, which is a pine post 4 x 3 x 20 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

28.00 Leave timber, bears NW. and SE.

32.00 Cor. fence; fence bears SW. and along line.

40.38 To cor. No. 3. At cor. of fence.

Identical with cor. H-7 of list survey, which is a pine post 4 x 3 x 26 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses; and, for cor. No. 3 of this survey I chisel (+) on a stone 8 x 6 x 4 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 12 x 12 ins., 14 ins. in the ground, chiseled

Chains

(+) at the point and 3. - H E S. 386, on the S. face; and raise a mound of stone 3 ft. base, 2 ft. high, S. of cor., from which:

A yellow pine, 32 ins. dia., bears N. 38°

53' E., 28 lks. dist., blazed and

scribed 3 H E S. 386 + B T.

A yellow pine, 26 ins. dia., bears N. 38°

10' W., 102 lks. dist., blazed and

scribed 3 H E S. 386 + B T.

Thence S. 72° 23' E.

Over level land, along edge of timber. Fence on line.

7.87 To cor. No. 4. At cor. of fence.

Identical with cor. H-8 of the list survey, which is

a pine post 3 x 3 x 30 ins., marked and witnessed as

described by the Forest Service. I destroy cor. H-8

and its witnesses; and, for cor. No. 4 of this survey

I chisel (+) on a stone 5 x 5 x 1 ins., and deposit

it 14 ins. in the ground; over which I set a malpais

stone 24 x 14 x 8 ins., 14 ins. in the ground; chisel-

ed (+) at the point and 4 - H E S 386 on the S. face;

and raise a mound of stone 3 ft. base, 2 ft. high, S.

of cor., from which:

A yellow pine, 10 ins. dia., bears N. 82°

36' E., 64 lks. dist., blazed and

scribed 4 H E S 386 + B T.

A yellow pine, 18 ins. dia., bears N. 15°

17' W., 63 lks. dist., blazed and

scribed 4 H E S 386 + B T.

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Chains Thence S. 32° 29' E.
Along edge of timber, over level land. Fence on line.

16.28 To cor. No. 5. At cor. of fence.
Identical with cor. H-1 of the list survey, which is a pine post 3 x 3 x 26 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses; and, for cor. No. 5 of this survey I chisel (+) on a stone 8 x 6 x 1 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 18 x 8 ins., 14 ins. in the ground; chiseled (+) at the point and 5 - H E S 386 on the W. face; and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor., from which:

A yellow pine, 14 ins. dia., bears N. 57° 15' W., 18 lks. dist., blazed and scribed 5 H E S 386 + B T.

A yellow pine, 26 ins. dia., bears N. 85° 22' E., 16 lks. dist., blazed and scribed 5 H E S 386 + B T.

Thence S. 47° 07' W.
Across park, over level land. Fence SE. of line.

7.50 Arroyo, 20 lks. wide, 1 ft. deep, course SE.

13.61 To cor. No. 6.
Identical with cor. H-2 of the list survey, which is a pine post 6 x 2 x 20 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and, for cor. No. 6 of this survey I chisel (+) on a stone 3 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 14 x 8 ins., 14 ins. in the ground, chiseled

Chains	<p>(+) at the point and 6 - H E S 386 on the N. face; and raise a mound of stone 4 ft. base, 3 ft. high, N. of cor., from which:</p> <p>A yellow pine, 30 ins. dia., bears S. 33° 03' W., 52 lks. dist., blazed and scribed 6 H E S 386 + B T.</p> <p>A yellow pine, 34 ins. dia., bears N. 86° 10' W., 107 lks. dist., blazed and scribed 6 H E S 386 + B T.</p> <hr/> <p>Thence N. 47° 32' W. Over level land, along edge of timber.</p> <p>10.00 Enter pine timber, bears N. and S.</p> <p>14.25 Leave timber, bears E. and W.</p> <p>14.29 To cor. No. 7.</p> <p>Identical with cor. H-3 of the list survey, which is a pine post 3 x 3 x 22 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses; and, for cor. No. 7 of this survey I chisel (+) on a stone 7 x 4 x 3 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 12 x 8 ins., 14 ins. in the ground;</p> <hr/> <p>chiseled (+) at the point and 7 - H E S 386 on the N. face; and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., from which:</p> <p>A yellow pine, 22 ins. dia., bears N. 10° 27' W., 83 lks. dist., blazed and scribed 7 H E S 386 + B T.</p> <p>A yellow pine, 34 ins. dia., bears N. 78° 43' E., 95 lks. dist., blazed and scribed 7 H E S 386 + B T.</p> <hr/>
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Chains Thence N. 62° 48' W.

Over level land, along edge of timber.

11.10 Fence, bears NE. and SW.

12.50 Cor. cultivated land, which bears NE. and WNW.

26.68 To cor. No. 8. At cor. of fence; fence bears NW. and SE.

Identical with cor. H-4 of the list survey, which is a pine post 4 x 3 x 24 ins., marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses; and, for cor. No. 8 of this survey I chisel (+) on a stone 6 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 14 x 8 ins., 14 ins. in the ground; chiseled (+) at the point and 8 - H E S 386 on the NE. face; and raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., from which:

A yellow pine, 50 ins. dia., bears N. 12° 18' W., 109 lks. dist., blazed and scribed 8 H E S 386 + B T.

A yellow pine, 44 ins. dia., bears S. 81° 30' E., 106 lks. dist., blazed and scribed 8 H E S 386 + B T.

Thence N. 15° 56' W.

Over level land bet. cultivated land and timber.

Fence on line.

13.35 To cor. No. 9 and C. C. on line bet. secs. 34 and 35.

I chisel (+) on a stone 7 x 4 x 2 ins., and deposit it 14 ins. in the ground; over which I set a malpais stone 24 x 10 x 8 ins., 14 ins. in the ground; chiseled (+) at the point, 9 - H E S 386 on the E. face and

Chains

C C on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., from which:

A yellow pine, 20 ins. dia., bears S. 32° E. 01.11

31' W., 140 lks. dist., blazed and

scribed 9 H E S 386 + B T. 08.31

A yellow pine, 18 ins. dia., bears N. 61°

10' W., 216 lks. dist., blazed and

scribed 9 H E S 386 + B T.

Cor. for secs. 26, 27, 34 and 35, hereto-

fore described, bears N. 0° 08' E.,

31.70 chs. dist.

1/4 cor. bet. secs. 34 and 35, heretofore

described, bears S. 0° 08' W., 8.50

chs. dist.

Thence N. 15° 56' W.

Over level land bet. cultivated land and timber.

Fence on line.

16.35 Arroyo, 10 lks. wide, 3 ft. deep, course SE.

21.65 Cor. fence, fence bears SE. Leave fence.

22.05 Cor. H-5 of the list survey, which is a pine post 3 x 3

x 24 ins. above ground, marked and witnessed as de-

scribed by the Forest Service. I destroy cor. H-5

and its witnesses.

Leave listed and enter unlisted land. Enter timber,

bears NE. and SW.

24.00 Leave timber, bears NW. and SE.

30.00 Enter pine timber, bears N. and S.

32.91 To cor. No. 10 and C. C. on line bet. secs. 27 and 34.

I chisel (+) on a stone 4 x 4 x 3 ins., and deposit

it 14 ins. in the ground; over which I set a limestone.

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Chains 24 x 8 x 8 ins., 14 ins. in the ground; chiseled (+)
 at the point, 10 - H E S 386 on the NE. face and C C
 on SE. face; and raise a mound of stone 3 ft. base,
 2 ft. high SE. of cor., from which:
 A yellow pine, 28 ins. dia., bears S. 27°
 04' E., 23 lks. dist., blazed and
 scribed 10 H E S 386 + B T.
 A yellow pine, 20 ins. dia., bears S. 83°
 25' W., 30 lks. dist., blazed and
 scribed 10 H E S 386 + B T.
 Cor. secs. 27, 26, 34 and 35, heretofore de-
 scribed, bears N. 89° 34' E., 9.14 chs. dist.
 1/4 cor. bet. secs. 27 and 34, heretofore de-
 scribed, bears S. 89° 34' W., 30.97 chs. dist.

Thence S. 89° 34' W.
 Ascend 5 ft. to point in timber.
 2.00 Top ascent. Descend 5 ft. to flat.
 3.50 Foot descent. Thence over level land.
 6.95 Leave timber, bears NE. and SW.
 19.27 To cor. No. 11 and C. C. on line bet. secs. 27 and 34.
 I chisel (+) on a stone 8 x 7 x 3 ins., and deposit it
 16 ins. in the ground; over which I set a malpais stone
 26 x 10 x 6 ins., 16 ins. in the ground; chiseled (+)
 at the point, 11 - H E S 386 on the NE. face, and C C
 on N. face; and raise a mound of stone 3 ft. base, 2-
 ft. high, N. of cor., from which:
 A yellow pine, 24 ins. dia., bears S. 86°
 55' E., 72 lks. dist., blazed and
 scribed 11 H E S 386 + B T.
 A yellow pine, 28 ins. dia., bears N. 11°
 30' W., 112 lks. dist., blazed and
 scribed 11 H E S 386 + B T.

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 1/4 cor. bet. secs. 27 and 34, heretofore de-
 scribed, bears S. 89° 34' W., 11.70 chs. dist.
 Cor. to secs. 26, 27, 34 and 35, heretofore de-
 scribed, bears N. 89° 34' E., 28.41 chs. dist.

Thence N. 0° 17' W.

Across park, along edge of timber.

5.42 To cor. No. 12.

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

it 14 ins. in the ground; over which I set a malpais

stone 24 x 12 x 8 ins., 14 ins. in the ground; chisel-

ed (+) at the point and 12 H E S 386 on the SE. face;

and raise a mound of stone 3 ft. base, 2 ft. high, SE.

of cor., from which:

A yellow pine, 36 ins. dia., bears S. 79°

55' W., 48 lks. dist., blazed and

scribed 12 H E S 386 + B T.

A yellow pine, 38 ins. dia., bears N. 24°

40' E., 32 lks. dist., blazed and

scribed 12 H E S 386 + B T.

Thence N. 82° 08' E.

Over level land, along edge of timber.

6.00 Arroyo, 10 lks. wide, 1 ft. deep, course SE.

20.00 Road, bears NNW. and SSE.

22.20 Arroyo, 20 lks. wide, 1-1/2 ft. deep, course SE.

22.92 To cor. No. 13.

I chisel (+) on a stone 5 x 3 x 2 ins., and deposit

it 14 ins. in the ground; over which I set a malpais

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stone 24 x 14 x 12 ins., 14 ins. in the ground, chisel-
ed (+) at the point and 13 - H E S 386 on the SW. face;
and raise a mound of stone 2 ft. base, 1-1/2 ft. high
SW. of cor., from which:

A yellow pine, 30 ins. dia., bears N. 13°

40' E., 51 lks. dist., blazed and

scribed 13 H E S 386 + B T.

A yellow pine, 6 ins. dia., bears S. 81°

05' E., 75 lks. dist., blazed and

scribed 13 H E S 386 + B T.

Thence S. 34° 34' E.

Ascend 5 ft. along SW. slope.

1.25 Enter pine timber, bears N. and S.

5.05 Top ascent. Descend 10 ft. to cor.

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

AREA

Area in Section 27 - - - - - 14.49 acres

Area in Section 34 - - - - - 94.98 acres

Area in Section 35 - - - - - 18.05 acres

Total Area - - - - - 127.52 acres

Listed Area - - - - - 95.61 acres

Unlisted Area - - - - - 31.91 acres

Total Area - - - - - 127.52 acres

IMPROVEMENTS.

The improvements made upon and for the benefit of this
homestead entry, and belonging to the claimant, con-
sist of the following:

A frame dwelling, 28 x 14 ft., the long side of which

Chains

bears NE. and SW. and the N. cor. of which bears S. 43° 28' E., 7.65 chs. dist. from cor. No. 2.

Value ----- \$300.00

An open hay shed, 20 x 26 ft., the long side of which bears NE. and SW. and the S. cor. of which bears N. 32° 22' W., 44.40 chs. dist. from cor. No. 6.

Value ----- \$ 60.00

There is approximately two miles of wire fence.

Value ----- \$250.00

DESCRIPTION

This claim is situated in what is known as Long Park, four miles SW. of Morman Lake and 2-1/2 miles S. of Morman Mountain. It lies at an elevation of 7200 ft. and has an annual rainfall of 22 inches.

The tract is an open park, with heavy pine timber on all sides. The park lies in a draw between low ridges to NE. and SW.

There is no water for irrigation, and water for domestic use is obtained from shallow holes dug in or near the arroyo.

The land is practically level, without sufficient fall to drain it, and at certain times water stands from 6 ins. to a foot deep over half the claim. It is possible to drain this land at low cost.

The soil is a loamy clay, very fertile, and adapted to raising of oats, barley, wheat hay, and potatoes.

I saw no indication of mineral upon this claim.

There is approximately 40 acres in cultivation.

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COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting or adjoining claims.
Flagstaff, the nearest post office and railroad point,
is 30 miles to North; 25 miles of which has a good
road and 5 miles of which has a poor road.

TRAVERSES

Cor.	Course	Dist.	N	S	E	W	
1-2	S. 0° 08' W.	15.88		15.88		0.04	
2-3	S. 51° 35' E.	40.38		25.09	31.63		
3-4	S. 72° 23' E.	7.87		2.38	7.50		
4-5	S. 32° 29' E.	16.28		13.73	8.74		
5-6	S. 47° 07' W.	13.61		9.26		9.97	
6-7	N. 47° 32' W.	14.29	9.65			10.54	
7-8	N. 62° 48' W.	26.68	12.20			23.73	
8-9	N. 15° 56' W.	13.35	12.84			3.66	
9-10	N. 15° 56' W.	32.91	31.65			9.03	
10-11	S. 89° 34' W.	19.27		0.15		19.27	
11-12	N. 0° 17' W.	5.42	5.42			0.03	
12-13	N. 82° 08' E.	22.92	3.14		22.70		
13-1	S. 34° 34' E.	10.11		8.33	5.74		
			238.97	74.90	74.82	76.31	76.27
				74.82		76.27	

Error in Lat. and Dep. .08 .04

Closing error, 1:2673.

Section 34, T. 18 N., R. 8 E.

Cor.	Course	Dist.	N	S	E	W	
1-2	S. 0° 08' W.	15.88		15.88		0.04	
2-9	S. 0° 08' W.	15.82		15.82		0.04	
9-10	N. 15° 56' W.	32.91	31.65			9.03	
10-1	N. 89° 34' E.	9.14	0.07		9.14		
			73.75	31.72	31.70	9.14	9.11
				31.70		9.11	

Error in Lat. and Dep. .02 .03

Closing error, 1:2046.

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STATE OF ARIZONA

Chains

Section 35, T. 18 N., R. 8 E.

Cor.	Course	Dist.	N	S	E	W
2-3	S. 51° 35' E.	40.38		25.09	31.63	
3-4	S. 72° 23' E.	7.87		2.38	7.50	
4-5	S. 32° 29' E.	16.28		13.73	8.74	
5-6	S. 47° 07' W.	13.61		9.26		9.97
6-7	N. 47° 32' W.	14.29	9.65			10.54
7-8	N. 62° 48' W.	26.68	12.20			23.73
8-9	N. 15° 56' W.	13.35	12.84			3.66
9-2	N. 0° 08' E.	15.82	15.82		0.04	

148.28 50.51 50.46 47.91 47.90
50.46 47.90

Error in Lat. and Dep. .05 .01

Closing error, 1:2907.

Section 27, T. 18 N., R. 8 E.

Cor.	Course	Dist.	N	S	E	W
1-10	S. 89° 34' W.	9.14		0.07		9.14
10-11	S. 89° 34' W.	19.27		0.15		19.27
11-12	N. 0° 17' W.	5.42	5.42			0.03
12-13	N. 68° 08' E.	22.92	3.14		22.70	
13-1	S. 34° 34' E.	10.11		8.33	5.74	

66.86 8.56 8.55 28.44 28.44
8.55 28.44

Error in Lat. and Dep. .01 .00

Closing error, 1:6686.

Survey completed November 17, 1915.

R. P. Johnson

Surveyor - Draftsman

HOMESTEAD ENTRY SURVEY NO. 386

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Computations.

Direct solar on November 16, 1915, at cor. No. 1.
Latitude 34° 54' 15" N., Long. 111° 31' 48" W., Eleva-
tion 7200 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	3h. 32m. 59s.	56° 29' 00"	12° 41' 00"	+
Reversed	3h. 33m. 55s.	56° 06' 00"	13° 05' 30"	+
Mean	3h. 33m. 27s.	56° 17' 30"	12° 53' 15"	
	7h. 26m. 07 s.		03' 15"	ref.
	10h. 59m. 34s.		12° 50' 00"	

Decl. 18° 39' 33"

$$\text{Cos. Q.} = \frac{\sin. 18^\circ 39' 33'' \text{ S.}}{\cos. 34^\circ 54' 15'' \times \cos. 12^\circ 50'}$$

$$\tan. 34^\circ 54' 15'' \times \tan. 12^\circ 50'$$

log. sin. 18° 39' 33"	-	9.505066	✓
log. cos. 34° 54' 15"	-	9.913872	✓
log. cos. 12° 50' 00"	-	9.989014	✓
		9.602180	✓ - log. .40011

log. tan. 34° 54' 15"	-	9.843680	
log. tan. 12° 50' 00"	-	9.357566	- log. .486114
		9.201246	- log. .158944
		Cos. Q. -	.55905
		Q. -	56° 00' 35" ✓

Bearing of reference object, N. 0° 16' 55" W. ✓
November 17, 1915

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	9h. 21m. 06s.	36° 30' 00"	27° 18' 00"	+
Reversed	9h. 22m. 29s.	36° 46' 00"	26° 56' 00"	+
Mean	9h. 21m. 47s.	36° 38' 00"	27° 07' 00"	
	4h. 33m. 53s.		01' 27"	ref.
	4h. 47m. 54s.		27° 05' 33"	

Decl. 18° 50' 39" S.

$$\text{Cos. Q.} = \frac{\sin. 18^\circ 50' 39''}{\cos. 34^\circ 54' 15'' \times \cos. 27^\circ 05' 33''}$$

$$\tan. 34^\circ 54' 15'' \times \tan. 27^\circ 05' 33''$$

log. sin. 18° 50' 39"	-	9.509197	✓
log. cos. 34° 54' 15"	-	9.913872	✓
log. cos. 27° 05' 33"	-	9.949523	✓
		9.645802	✓ - log. .44239

log. tan. 34° 54' 15"	-	9.843680	✓
log. tan. 27° 05' 33"	-	9.708897	✓
		9.552577	✓ - log. .35692
		Cos. Q. -	.79931

Q. - 36° 56' 07" ✓

Bearing of reference object, N. 0° 18' 07" W. ✓

NATIONAL FOREST

STATE OF

Chains

Telescope	Time	Horizontal Angle	Vertical Angle	Vertical Rod
Direct	31. 32m. 59s.	58° 52' 00"	12° 41' 00"	00'
Reversed	31. 32m. 58s.	58° 52' 00"	12° 41' 00"	00'
Mean	31. 32m. 58s.	58° 52' 00"	12° 41' 00"	00'
Direct	31. 32m. 57s.	58° 52' 00"	12° 41' 00"	00'
Reversed	31. 32m. 57s.	58° 52' 00"	12° 41' 00"	00'
Mean	31. 32m. 57s.	58° 52' 00"	12° 41' 00"	00'
Bearing of reference object, N. 0° 18' 07" E.				
Distance 18. 50' 33"				
Cos. 94. 24' 15" x tan. 27° 05' 35"				
Tan. 34. 54' 15" x tan. 27° 05' 35"				
Log. sin. 18° 50' 33" - 9.32056				
Log. cos. 34° 54' 15" - 9.91387				
Log. cos. 27° 05' 35" - 9.94823				
Log. tan. 34° 54' 15" - 9.84380				
Log. tan. 27° 05' 35" - 9.70887				
Cos. 94. 24' 15" x tan. 27° 05' 35"				
Tan. 34. 54' 15" x tan. 27° 05' 35"				
Log. sin. 18° 50' 33" - 9.32056				
Log. cos. 34° 54' 15" - 9.91387				
Log. cos. 27° 05' 35" - 9.94823				
Log. tan. 34° 54' 15" - 9.84380				
Log. tan. 27° 05' 35" - 9.70887				
Bearing of reference object, N. 0° 18' 07" E.				
Distance 18. 50' 33"				
Cos. 94. 24' 15" x tan. 27° 05' 35"				
Tan. 34. 54' 15" x tan. 27° 05' 35"				
Log. sin. 18° 50' 33" - 9.32056				
Log. cos. 34° 54' 15" - 9.91387				
Log. cos. 27° 05' 35" - 9.94823				
Log. tan. 34° 54' 15" - 9.84380				
Log. tan. 27° 05' 35" - 9.70887				

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. I. 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. 386, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 34 1-2	S. 0° 08' W.	15.88		15 88		0 04	18 23	289 67	
2-9	S. 0° 08' W.	15.82		15 82		0 04	18 13	286 82	
9-10	N. 15° 56' W.	32.91	31 65			9 03	9 04	286 03	
10-1	N. 89° 34' E.	9.14	0 07			9 14	9 14	0 64	
		73.75	31 72	31 70	9 14	9 11		286 67	576 49
			31 71	31 71	9 14	9 14		286 67	286 67
								289 82	289 82
								14 49	14 49 Acres.
Sec. 35. 2-3	S. 51° 35' E.	40.38		25 09	31 63		31 70	795 67	
3-4	S. 72° 23' E.	7.87		2 38	7 50		70 82	168 55	
4-5	S. 32° 29' E.	16.28		13 73	8 74		87 06	1196 20	
5-6	S. 47° 07' W.	13.61		9 26		9 97	85 83	795 64	
6-7	N. 47° 32' W.	14.29	9 65			10 54	65 32	630 34	
7-8	N. 62° 48' W.	26.68	12 20			23 73	31 05	378 50	
8-9	N. 15° 56' W.	13.35	12 84			3 66	3 66	46 99	
9-2	N. 0° 08' E.	15.82	15 82			0 04	0 04	0 63	
		148.28	50 51	50 46	47 91	47 90		1056 46	2956 06
			50 49	50 49	47 90	47 90		1056 46	1056 46
								1899 60	1899 60
								94 98	94 98 Acres.

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EMH

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.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 386, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Sec. 27									
9-10	S. 89° 34' W.	9.14		0 07		9 14	47 74	3 34 ✓	
10-11	S. 89° 34' W.	19.27		0 15		19 27	19 33	2 90 ✓	
11-12	N. 0° 17' W.	5.42	5 42			0 03	0 03	0 16 ✓	
12-13	N. 82° 08' E.	22.92	3 14		22 70		22 70	71 05 ✓	
13-1	S. 34° 34' E.	10.11		8 33	5 74		51 14	426 00 ✓	
		66.86	8 56	8 55	28 44	28 44	71 21	432 24	
			8 55	8 55	28 44	28 44		71 21	
								361 03	
								18 05 ✓	Acres/

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EMH

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 5 , 1917

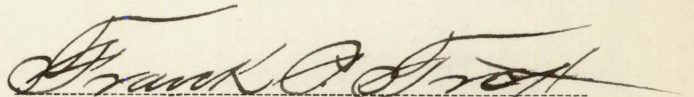
The foregoing field notes of Homestead Entry Survey No.

386

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.