

ORIGINAL

MAR - 4. 1919

195

**U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE**

JUN 2- 1916

FIELD NOTES

OF

MAR 14 1918

HOMESTEAD ENTRY SURVEY NO. **396**

DEC 9- 1918

SITUATED IN THE **COCONINO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. **3**

In Section **19** , - surveyed, Township **20 N.**, Range **6 E.**

of the

Gila and Salt River Base and Meridian.

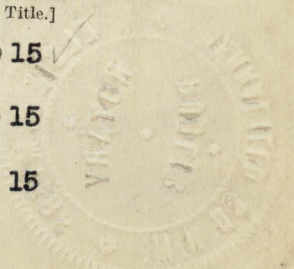
State of

ARIZONA

Applicant for listing **William H. McGee,** ✓
 Residence **Flagstaff, Arizona.**
 Application No. **359** ✓ , dated **August 7** , 19 **12** ✓
 List No. **3-2305** ✓ , dated **February 21** , 19 **13** ✓

Applicant for survey **J. T. Scott,** ✓
 Residence **Flagstaff, Arizona.**
 H. E. No. **023541** ✓ , dated **October 11** , 19 **13** ✓ *base*
 Land District **Phoenix, Arizona.**

Survey executed by **Charles D. Hodson, Surveyor - Draftsman**
[Forest Service Title.]
 Under special instructions dated **July 9** , 19 **15** ✓
 Survey commenced **September 18** , 19 **15**
 Survey completed **September 20** , 19 **15**
 Under Acts of **June 11, 1906 and March 4, 1915.** ✓



OATH OF ASSISTANTS

We hereby certify that we assisted
Surveyor - Draftsman
[Forest Service Title.]

Charles D. Hodson,
in surveying all those

parts or portions of Homestead Entry Survey No. **396**, 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.

Douglas E. Moish, Chairman
Bud Owens, Chairman

Subscribed and sworn to before me this **1st** day of **October**, 19**15**.

Charles D. Hodson
Surveyor - Draftsman

OATH OF SURVEYOR

I, **Charles D. Hodson,** **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**, 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 Patent, No. **3-2305**, dated **Feb. 21**, 19**13**, for the same to be known as Homestead Entry Survey No. **396**, situated within the **COCONINO** National Forest, in - surveyed Section **19**, Township **20 N.**, Range **6 E.**, and - surveyed Section - - - - , Township - - - - , Range - - - - ,

of the **G. and S. R. B. and** meridian, **Arizona**, and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the stated special instructions, and in the specific manner described in the field notes, and that the following are the original field notes of such survey.

Charles D. Hodson
Surveyor - Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this *eight* day of *October*, 19**15**.

Glenn C. Myers
Notary Public



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, William H. McGee; Application No. 359, dated August 7, 1912; List No. 3-2305, dated February 21, 1913; H. E. 023541, made in the Phoenix Land Office on October 11, 1913 by J. T. Scott.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915, and designated as Homestead Entry Survey No. 396.

Situated in sec. 19, T. 20 N., R. 6 E., Gila and Salt River Base and Meridian, within the Coconino National Forest, Arizona.

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

Survey commenced September 18, 1915, and executed with a Buff and Buff transit No. 9700-6, equipped with Smith solar attachment.

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

All distances are horizontal and were reduced from measurements made directly on the slope with an 800 link steel tape. The slope angles were determined with a clinometer.

September 18, 1915.

At the cor. to secs. 13, 18, 19 and 24, T. 20 N., Rs. 5 and 6 E., hereinafter described, I observe the altitude of the sun for azimuth. My watch is set for local mean time and correction was made to apparent time. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field. Lat. $35^{\circ} 07' 10''$ N., Long. $111^{\circ} 48' 40''$ W., obtained from the Surveyor General's special instructions.

Chains	Position Telescope	Apparent Time	Horizontal Angle	Vertical Angle
	Direct	4h. 34m. 43s.	80° 04' 00"	17° 58' 00"
(1)	Reverse	4h. 35m. 25s.	79° 35' 30"	18° 21' 00"
	Mean	4h. 35m. 04s.	79° 49' 45"	18° 09' 30"
	Bearing of reference object, S. 0° 30' 24" E.			
	Direct	4h. 36m. 17s.	80° 18' 30"	17° 38' 00"
(2)	Reverse	4h. 36m. 53s.	79° 49' 30"	18° 04' 30"
	Mean	4h. 36m. 35s.	80° 04' 00"	17° 51' 15"

Bearing of reference object, S. 0° 30' 27" E.

The mean of the two observations is S. 0° 30' 26" E.,

and from the corresponding meridian all the courses of this survey are deflected.

September 18, 1915.

Retracements & Resurveys.

September 19, 1915.

Beginning at the corner of Secs. 13, 18, 19 and 24, T. 20 N., Rs. 5 and 6 E., which is a pine post badly charred and marks entirely obliterated. The NE. and SE. witness trees are still standing. The stumps of the original NW. and SW. witness trees are scribed B T. The remainder of the markings have been obliterated. In the place occupied by the original corner post, I set an iron pipe 2 ins. in dia., 36 ins. long, 30 ins. in the ground over broken glass, marked with 3 notches on N. and S. sides; raise a mound of stone 3 ft. base, 2 ft. high, west of cor., whence;

A pine 29 ins. in dia., marked as described by the Surveyor General bears N. 73° E., 73 links dist. (Old B T).

A pine 37 ins. in dia., marked as described by the Surveyor General, bears S. 70° E., 82 lks. dist. (Old B T).

A pine 30 ins. dia., blazed and scribed T. 20 N. R. 5 E. S., 24 B T., bears S. 51° 14' W., 157 lks. dist. (New B T).

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STATE OF ARIZONA

Chains

A pine 16 ins. dia., blazed and scribed T. 20
N. R. 5 E. S., 13 B T., bears N. 20° 45' W.,
88 lks. dist. (New B T.).

Thence East.

On a random line bet. secs. 18 and 19.

38.40 After careful and diligent search, I am unable to find
any evidence of the 1/4 cor. bet. secs. 18 and 19.

79.73 Fall 87 lks. S. of the cor. to secs. 17, 18, 19 and 20,
an oak post, 4 x 4 x 24 ins. above ground, marked and
witnessed as described by the Surveyor General.

Thence S. 89° 23' W.

On a true line bet. secs. 18 and 19.

40.68 (Proportional measurement). At this point, I again make
careful search but fail to find any evidence of 1/4
cor. I therefore, re-establish cor. as follows:

Set a piece of 60 lb. rail, 24 ins. long, 16 ins. in
the ground, over a small stone marked with a cross,

mark 1/4 S on ball of rail and faced North. No

bearings available, therefore dig pits 24 x 24 x 12

ins. E. and W. 3-1/2 ft.; and raise a mound of earth

4 ft. base, 12 ft. high, N. of cor.

61.02 Set temporary point for 1/16 cor. on N. bdy. NW/4, sec.

79.73 The cor. to secs. 13, 18, 19 and 24, heretofore described.

Thence South.

On a random line bet. secs. 19 and 24.

40.22 Fall 19 lks. W. of the 1/4 cor. bet. secs. 19 and 24,

a pine post 4 x 4 x 18 ins. above ground, marked and
witnessed as described by the Surveyor General. This
cor. is in poor condition. I therefore, destroy same

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and at this point set a malpais stone, 20 x 16 x 8 ins., 14 ins. in the ground over a small stone marked with a cross, marked 1/4 S. on W. face; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, W. of cor.

Thence N. 0° 16' W.

On a true line bet. secs. 19 and 24.

20.11 Set temporary point for 1/16 cor. on W. bdy. NW/4, sec. 19.

30.17 Set temporary point for 1/64 cor. on W. bdy. Lot 1.

40.22 The cor. to secs. 13, 18, 19 and 20, heretofore described.

Return to 1/4 cor. bet. secs. 18 and 19, ^{to} therefore described.

Thence South.

On a random meridional 1/4 sec. line.

80.33 Fall 108 lks. W. of true point for 1/4 cor. bet. secs. 19 and 30, which has been destroyed. I determine the point for 1/4 cor. from call of the bearing trees described by the Surveyor General; find the stump of the original corner post. I restore 1/4 cor. as follows:

Set a malpais stone 24 x 16 x 8 ins., marked 1/4 S.

on N. face, 14 ins. in the ground over a small stone marked with a cross; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor.

Thence N. 0° 46' W.

On a true meridional 1/4 sec. line.

80.34 The 1/4 cor. bet. secs. 18 and 19, heretofore described.

Return to the 1/4 cor. bet. secs. 19 and 24, heretofore described.

Thence East.

On a random latitudinal 1/4 sec. line.

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Chains
79.60

Fall 111 lks. S. of the true point for the 1/4 cor. bet. secs. 19 and 20, which has been destroyed. I determine the point for 1/4 cor. from call of the bearing trees described by the Surveyor General. Find the stump of the original corner post. I restore 1/4 cor. as follows: Set a malpais stone 20 x 10 x 8 ins., marked 1/4 S. on W. face, 14 ins. in the ground, over a small stone marked with a cross; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor. Thence S. 89° 12' W.

On a true latitudinal 1/4 sec. line.

40.18 Intersect meridional 1/4 sec. line at 40.02 chs. S. 0° 46' E. of the 1/4 cor. bet. secs. 18 and 19, and at 40.32 chs. N. 0° 46' W. of the 1/4 cor. bet. secs. 19 and 30, and set temp. point for center 1/4 sec. cor.

60.52 Set temporary point for 1/16 cor. at approximate center W/2, sec. 19.

79.61 The 1/4 cor. bet. secs. 19 and 24, heretofore described.

Return to temporary point for center 1/4 sec. cor.

Thence N. 0° 46' W.

Along meridional 1/4 sec. line.

20.01 Set temporary point for 1/16 cor. at center N/2, sec. 19.

30.02 Set temporary point for 1/64 cor. at center N/2 N/2, sec. 19.

Return to 1/16 cor. at center N/2, sec. 19.

Thence S. 89° 17' W.

On a true latitudinal 1/16 sec. line for flag on the temporary 1/16 cor. on the W. bdy. NW/4, sec. 19, which is plainly visible.

39.24 The temporary 1/16 cor. on W. bdy. NW/4, sec. 19.

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Chains Return to the temporary 1/16 cor. at center W/2, sec. 19.
Thence North.

On a random meridional 1/16 sec. line.
40.11 Fall 36 lks. E. of the temporary 1/16 cor. on N. bdy.
NW/4, sec. 19.

Thence S. 0° 31' E.
On a true meridional 1/16 sec. line.
20.06 Intersect the latitudinal 1/16 sec. line at 20.43 chs.
S. 89° 17' W. of the temp. point for 1/16 cor. at
center N/2 sec. 19, and at 18.81 chains N. 89° 17'
E., of the temp. point for the 1/16 cor. on the W.
bdy. NW/4 sec. 19.

40.11 The temp. point for the 1/16 cor. at the center of the
W/2, sec. 19.

Return to temp. point for 1/16 cor. at center of NW/4,
sec. 19.

Thence N. 0° 31' W.
Along meridional 1/16 sec. line.

10.03 Set temp. point for 1/64 sec. cor. at center N/2 NW/4,
sec. 19, and cor. of this survey.

September 19, 1915.

The strip excepted from the survey is primarily for a
logging railroad right of way and is required by
the Forest Service as an outlet for Government owned
timber and for the protection of Government interests.

On a true latitudinal 1/16 sec. line for flag on the
temporary 1/16 cor. on the W. bdy. NW/4, sec. 19, which
is plainly visible.
The temporary 1/16 cor. on W. bdy. NW/4, sec. 19.

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STATE OF ARIZONA

Chains

BOUNDARIES OF CLAIM

September 20, 1915.

Tract A.

Beginning at cor. No. 1.

Identical with the 1/4 cor. bet. secs. 18 and 19,

heretofore described. I chisel a cross on top of

the cor. for a chaining point and set a malpais stone

20 x 12 x 6 ins. (no longer stone available), 14 ins.

in the ground, 1 1/2 k. S. of cor. I chisel 11 - H E S

396 on the SW. face. No bearings available, there-

fore, dig a pit 24 x 24 x 12 ins. crosswise on line

3-1/2 ft. S. and add the earth to the mound N. of the

cor.

Latitude 35° 07' 10" N., Long. 111° 48' 08" W., obtained

from the special instructions from the Surveyor

General, and later verified.

Mag. decl. at 8h. 00m. a.m., l.m.t., 14° 53' E. Mean

mag. decl., 14° 50.4' E.

Thence S. 0° 46' E.

Along meridional 1/4 sec. line.

0.10 Road, bears E. and W.

0.25 Enter cultivated land, bears E. and W.

8.30 Leave cultivated land, bears ESE. and WNW.

10.00 To cor. No. 2, and point for 1/64 sec. cor.

Set a malpais stone 20 x 10 x 8 ins. (no longer

stone available), 14 ins. in the ground, over a small

stone marked with a cross. I chisel a cross at the

point, 2 - H E S 396 on the NW. face; dig pits 24 x

24 x 12 ins. crosswise on this and the succeeding

course 7 ft. dist.; and raise a mound of earth 4 ft.

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base, 2 ft. high, NW. of cor., whence:

A pine, 24 ins. dia., blazed and scribed

2 H E S 396 + B T, bears N. 84° 31' W.,

329 lks. dist.

Fence, bearing E. and W., is S., 125 lks. dist.

No other bearings available.

Thence S. 89° 20' W.

Along latitudinal 1/64 sec. line for a flag on the

temp. 1/64 sec. cor. at center N/2, NW/4, sec. 19,

which is plainly visible, and along gentle N. slope.

20.36 To cor. No. 3, and point for 1/64 sec. cor. at center N/2

NW/4, sec. 19.

Set a malpais stone 20 x 8 x 6 ins. (no longer stone

available), 14 ins. in the ground, over a small stone

marked with a cross. I chisel a cross at the point

and '3 - H E S 396 on the NNW. face; dig pits 24 x 24

x 12 ins. crosswise on this and the succeeding course

3-1/2 ft. dist.; and raise a mound of earth, 4 ft. base,

2 ft. high, NNW. of cor., whence:

A pine, 30 ins. dia., blazed and scribed

3 H E S 396 + B T, bears S. 60° 50' E.,

250 lks. dist.

Fence cor., from which fences bear E. and SW.,

bears South, 240 lks. dist.

No other bearings available.

After careful and diligent search I am unable to find

any evidence of cor. H-3 of the list survey.

Thence S. 46° 21' W.

0.10 Enter cultivated land.

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7.04

To cor. No. 4.

At edge of cultivated land and dump of old logging road.

Set a malpais stone 18 x 12 x 10 ins. (no longer stone available), 12 ins. in the ground over a small stone marked with a cross. I chisel a cross at the point,

4 - H E S 396 on the N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor., whence:

A pine, 18 ins. dia., blazed and scribed

4 H E S 396 + B T, bears S. 49° 24' W.,

280 lks. dist.

A pine, 24 ins. dia., blazed and scribed

4 H E S 396 + B T, bears S. 15° 27' W.,

170 lks. dist.

Thence N. 42° 28' W.

(Tract C)

Along the NE. side of road exception and at edge of cultivated land.

16.50 Fence, bears E. and W.

Leave cultivated land, bears E. and SE.

19.91 To cor. No. 5 and C. C. on line bet. secs. 18 and 19.

Set a malpais stone 20 x 10 x 6 ins. (no longer stone available), 14 ins. in the ground over a small stone marked with a cross. I chisel a cross at the point,

5 - H E S 396 on the ESE. face, C. C. on the SE. face;

and raise a mound of stone 2 ft. base, 1-1/2 ft. high on closing line SE. of cor., whence:

A pine, 24 ins. dia., blazed and scribed

5 H E S 396 + B T, bears N. 72° 39' E.,

43 lks. dist.

A pine, 30 ins. dia., blazed and scribed

5 H E S 396 + B T, bears S. 57° 00' E.,

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54 lks. dist.

Cor. to secs. 13, 18, 19 and 24; heretofore described, bears S. 89° 23' W., 31 lks. dist. The 1/4 cor. bet. secs. 18 and 19, and cor. No. 1, bears N. 89° 23' E., 38.74 chs. dist.

Thence N. 89° 23' E.

Along line bet. secs. 18 and 19, fence following line.

11.90 Fence cor., fences bear E., S. and W.

18.09 After careful and diligent search I am unable to find any trace of cor. H-4 of the list survey.

38.74 To cor. No. 1, and place of beginning.

Tract B.

Beginning at cor. No. 6.

At edge of dump of old logging road and cultivated land. Set a malpais stone 20 x 12 x 6 ins. (no longer stone available), 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point, 6 - H E S 396 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., whence:

A pine, 18 ins. dia., blazed and scribed

6 H E S 396 + B T, bears S. 49° 42' W.,

234 lks. dist.

A pine, 24 ins. dia., blazed and scribed

6 H E S 396 + B T, bears S. 5° 09' W.,

133 lks. dist.

Cor. No. 4 of this survey, heretofore described, bears N. 46° 21' E., 46 lks. dist.

Thence S. 46° 21' W.

0.05 Enter cultivated land.

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- 18.05 Fence cor., fences bear N. and NE.
- 18.07 Cor. H-2 of the list survey, a malpais stone 4 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor.
- 18.36 To cor. No. 7 and C. C. on line bet. secs. 19 and 24.
Set a malpais stone 22 x 12 x 12 ins. (no longer stone available), 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point, 7 - H E S 396 on the NNE. face, C C on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, on closing line NE. of cor., whence:

A pine, 24 ins. dia., blazed and scribed

7 H E S 396 + B T, bears S. 23° 12' E.,

204 lks. dist.

A pine, 10 ins. dia., blazed and scribed

7 H E S 396 + B T, bears S. 71° 49' E.,

164 lks. dist.

The 1/4 cor. bet. secs. 19 and 24, heretofore

described, bears S. 0° 16' E., 12.57 chs. dist.

The cor. to secs. 13, 18, 19 and 24, heretofore

described, bears N. 0° 16' W., 27.65 chs. dist.

Thence N. 0° 16' W. - - - - -

- 25.20 Fence cor. 20 lks. E., fences bear N., S. and E.

- 27.31 To cor. No. 8 and C. C. on line bet. secs. 19 and 24.

Set a malpais stone 22 x 10 x 8 ins. (no longer stone available), 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point, 8 - H E S 396 on the SSE. face, C C on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high

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on closing line SE. of cor., whence:

A pine, 16 ins. dia., blazed and scribed
8 H E S 396 + B T, bears N. 15° 16' W.,
119 lks. dist.

A pine, 30 ins. dia., blazed and scribed
8 H E S 396 + B T, bears S. 61° 51' W.,
136 lks. dist.

Cor. to secs. 13, 18, 19 and 24, heretofore
described, bears N. 0° 16' W., 34 lks. dist.

1/4 cor. bet. secs. 19 and 24, heretofore de-
scribed, bears S. 0° 16' E., 39.88 chs. dist.

Cor. No. 5 of this survey bears N. 42° 21' E.,
46 lks. dist.

Thence S. 42° 28' E.

(Tract C)
Along SW. side of road exception at foot of dump of
old logging road.

0.31 Fence, bears N. and S.

3.15 Fence, bears E. and W. Enter cultivated land, bears
W. and SE.

19.86 To cor. No. 6, and place of beginning.

AREA

Area in Tract A - - - - - 36.61 acres

Area in Tract B - - - - - 18.22 acres

Total Area - - - - - 54.83 acres

Road Exemption - - - - - .92 acres

IMPROVEMENTS

The improvements made upon and for the benefit of the
claim, consist of the following:

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A frame dwelling, 24 x 16 ft., the long side extending E. and W. and the NW. cor. of which bears from cor. No. 5, S. 78° 12' E., 9.21 chs. dist.

Value ----- \$200.00

A frame barn, 36 x 16 ft., the long side extending N. and S. and the NW. cor. of which bears from cor. No. 5, S. 81° 14' E., 11.41 chs. dist.

Value ----- \$150.00

Approximately 1-1/4 miles of wire fence.

Value ----- \$100.00

DESCRIPTION

This claim is situated in a very level park, the drainage of which is to the W.; this end being approximately 5 ft. lower than the E. end, and at an elevation of 7200 ft.

The soil is a clay loam with clay subsoil and will produce good crops of grain hay. Approximately 45 acres were under cultivation at the time of survey.

There is no water on the claim, and water for domestic use is hauled from a tank approximately one mile to the N.

There is no timber on the claim and I saw no indication of mineral upon the ground.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. The claim is joined on the North by patented University land, on the West by patented University Land, and on the East by the legal subdivi-

sional portion of the claimant's entry, more fully described as follows: N/2 NE/4 NE/4, N/2 NW/4 NE/4,

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SW/4 NW/4 NE/4, W/2 SE/4 NW/4 NE/4, N/2 NW/4 SW/4 NE/4, NW/4 NE/4 SW/4 NE/4, sec. 19.

Flagstaff, Arizona, the nearest post office, railroad and market point, is 12 miles in a northeasterly direction, and is reached by fair wagon road.

TRAVERSE

Tract A.

Course	Dist.	N	S	E	W
S. 0° 46' E.	10.00		10.00	0.13	
S. 89° 20' W.	20.36		0.24		20.36
S. 46° 21' W.	7.04		4.86		5.09
N. 42° 28' W.	19.91	14.69			13.44
N. 89° 23' E.	38.74	0.42		38.74	
	96.05	15.11	15.10	38.87	38.89
		15.10			38.87
Error in Lat. and Dep.		.01			.02

Closing error, 1:4295.

Tract B.

Course	Dist.	N	S	E	W
S. 46° 21' W.	18.36		12.67		13.28
N. 0° 16' W.	27.31	27.31			0.13
S. 42° 28' E.	19.86		14.65	13.40	
	65.53	27.31	27.32	13.40	13.41
			27.31		13.40
Error in Lat. and Dep.			.01		.01

Closing error, 1:4634.

Survey completed September 20, 1915.

Charles D. Hodson

Surveyor-Draftsman

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct Solar, September 18, 1915, at
Cor. secs. 13, 18, 19, 24, T. 20 N., Rs. 5 and 6 E.

Lat. 35° 07' 10" N.
Long. 111° 48' 40" W. = 7h. 27m. 15s. ✓
Elev. 7200 ft.
Temp. 60°

Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	4h. 34m. 43s.	80° 04' 00"	17° 58' 00"
Reverse	4h. 35m. 25s.	79° 35' 30"	18° 21' 00"
Mean	4h. 35m. 04s.	79° 49' 45"	18° 09' 30"
		ref.	02' 14" ✓
		Alt. corr.	18° 07' 16"

7h. 27m. 15s. + 4h. 35m. 04s. = 12h. 02m. 19s. = 12.04h.

12.04 x 58.03" = 0° 11' 38.6"

2° 11' 36.7" - 0° 11' 38.6" = 1° 59' 58" N. decl. =

2° 00'

Log. sin. 2° 00' 00" = 8.542819 ✓
Log. cos. 35° 07' 10" = 9.912729 ✓
Log. cos. 18° 07' 16" = 9.977907 ✓
9.890636
8.652183 = .04489 ✓

Log. tan. 35° 07' 10" = 9.847153 ✓
Log. tan. 18° 07' 16" = 9.514891 ✓
9.362044 = .23017 ✓
Cos. A. = .18528. ✓

A. = 79° 49' 45"
S. 79° 19' 21" W. ✓

Bearing of Reference Point, S. 0° 30' 24" E. ✓

Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	4h. 36m. 17s.	80° 18' 30"	17° 38' 00"
Reverse	4h. 36m. 53s.	79° 49' 30"	18° 04' 30"
Mean	4h. 36m. 35s.	80° 04' 00"	17° 51' 15"
		ref.	02' 15" ✓
		Alt. corr.	17° 49' 00"

Log. sin. 2° 00' 00" = 8.542819 ✓
Log. cos. 35° 07' 10" = 9.912729 ✓
Log. cos. 17° 49' 00" = 9.978655 ✓
9.891384
8.651435 = .04482 ✓

Log. tan. 35° 07' 10" = 9.847153 ✓
Log. tan. 17° 49' 00" = 9.507027 ✓
9.354180 = .22604 ✓
Cos. A. = .18122. ✓

A. = 80° 04' 00"
S. 79° 33' 35" W. ✓

Bearing of Reference Point, S. 0° 30' 27" E. ✓

Chains

Chains

Direct Solar, September 18, 1915, at

Cor. sec. 15, 18, 19, 24, T. 30 N., R. 5 and 6 E.
 Elev. 7800 ft.
 Temp. 60°
 Bar. 11.48" W. = 74.27 m. 155.
 Lat. 35° 07' 10" N.

Telescope I.M.T. Horizontal Angle Vertical Angle

Direct	44.34m. 433.	80° 04' 00"	17° 58' 00"
Reverse	44.35m. 533.	79° 55' 30"	18° 21' 00"
Mean	44.34m. 483.	79° 49' 45"	18° 09' 30"
		ref.	02' 14"
Alt. corr.		18° 07' 15"	

74.27m. 155. + 44.34m. 483. = 128.61m. 198. = 12.04m.

12.04 x 58.03" = 0° 11' 38.6"

3° 11' 38.7" - 0° 11' 38.6" = 1° 59' 58" N. decl. =

3° 00'

Log. sin. 3° 00' 00" =	8.542819
Log. cos. 35° 07' 10" =	9.912729
Log. cos. 18° 07' 15" =	9.974907
	<u>9.939836</u>
	8.582655 = .04482
Log. tan. 35° 07' 10" =	9.847153
Log. tan. 18° 07' 15" =	9.514891
	<u>9.332262</u>
Cor. A. =	.18283

A. = $\frac{2.78' 12' 51" W. \times 79' 49' 45"}{.18283}$

Bearing of Reference Point, S. 0° 30' 24" E.

Telescope I.M.T. Horizontal Angle Vertical Angle

Direct	44.36m. 178.	80° 18' 30"	17° 58' 00"
Reverse	44.36m. 533.	79° 49' 30"	18° 04' 30"
Mean	44.36m. 533.	80° 04' 00"	17° 51' 15"
		ref.	02' 15"
Alt. corr.		17° 49' 00"	

Log. sin. 3° 00' 00" =	8.542819
Log. cos. 35° 07' 10" =	9.912729
Log. cos. 17° 49' 00" =	9.978855
	<u>9.621334</u>
	8.621334 = .04482
Log. tan. 35° 07' 10" =	9.847153
Log. tan. 17° 49' 00" =	9.507027
	<u>9.340126</u>
Cor. A. =	.18122

A. = $\frac{2.78' 33' 38" W. \times 80' 04' 00"}{.18122}$

Bearing of Reference Point, S. 0° 30' 24" 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. 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.
3. In calculations of fallings take result to nearest link.
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. 396, STATE OF ARIZONA. J. T. Scott.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Tract A.									
1-2	S. 0° 46' E.	10.00		10 00	0 13		77 63		776 30 ✓
2-3	S. 89° 20' W.	20.36		0 24		20 36	57 41		13 78 ✓
3-4	S. 46° 21' W.	7.04		4 86		5 09	31 97		155 37 ✓
4-5	N. 42° 28' W.	19.91	14 69			13 44	13 44	197 43 ✓	
5-1	N. 89° 23' E.	38.74	0 42		38 74		38 75	15 89 ✓	
		96.05	15 11	15 10	38 87	38 89		213 32	945 45
			15 10	15 10	38 88	38 88		213 32	213 32
Closing error, 1:4295.									
Tract B.									
6-7	S. 46° 21' W.	18.36		12 67		13 28	13 54		171 55 ✓
7-8	N. 0° 16' W.	27.31	27 31			0 13	0 13	3 55 ✓	
8-6	S. 42° 28' E.	19.86		14 65	13 40		13 41		196 32 ✓
		65.53	27 31	27 32	13 40	13 41		3 55	367 87
			27 31	27 31	13 41	13 41		3 55	3 55
Closing error, 1:4634.									
								201 364 32	18 22 ✓ acres.
									checked E. M. H.

133

checked E. M. H.

EMH

APPROVAL

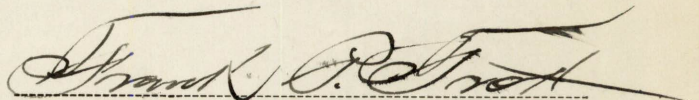
Office of the United States Surveyor General,

Phoenix, Arizona, May 15 , 1918.

The foregoing field notes of Homestead Entry Survey No.

396

executed by Charles D. Hodson, 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.