

ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

SEP 4- 1917

NOV 23 1918

109

FIELD NOTES

OF

MAY 24 1918

HOMESTEAD ENTRY SURVEY NO. 340

SITUATED IN THE PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 6[✓], - surveyed, Township 12 N., Range 1 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing David W. Thomas,[✓]
 Residence Mayer, Arizona
 Application No. 7[✓], dated July 17, 1907[✓]
 List No. 857[✓], dated January 14, 1908[✓]

Applicant for survey David W. Thomas,[✓]
 Residence Mayer, Arizona
 H. E. No. 014876[✓], dated July 15, 1911
 Office
 Land District Phoenix, Arizona

Survey executed by R. P. A. Johnson, Surveyor - Draftsman
(Forest Service Title.)
 Under special instructions dated April 16, 1915
 Survey commenced May 3, 1917
 Survey completed May 4, 1917
 Under Acts of June 11, 1906 and August 11, 1916[✓]

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. 340, in the State
 of Arizona which are represented in the following field notes
 as having been surveyed by him and under his direction; and that said
 survey has been in all respects, to the best of our knowledge and
 belief, well and faithfully surveyed, and the corner monuments estab-
 lished, according to the instructions furnished by the United States
 Surveyor General for Arizona

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

Chas Robinson, Chairman

John E Adams, Chairman

Subscribed and sworn to before me this fourth day of June, 1917.

R. P. A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

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

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated April 16, 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

Dist Patent, No. 857, dated January 14, 1908, for June 11, 1906, the same to be known as Homestead Entry Survey No. 340, situated within the Prescott National Forest, in - surveyed Section 6, Township 12N., Range 1E., and - surveyed Section - - - - , Township - - - - , Range - - - - ,

of the Gila and Salt River Basins 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 Second day of August, 1917.

Ethel M. Gulshore
 Notary Public.



8-2349

My Commission expires March 17, 1921.

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Chains

Applicant for listing, David W. Thomas; Application No. 7, dated July 17, 1907; List No. 857, dated January 14, 1908; H. E. 014876, made in the Phoenix Land Office on July 15, 1911 by David W. Thomas.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 16, 1915 and designated as Homestead Entry Survey No. 340.

Situated in Section 6, T. 12 N., R. 1 E., Gila and Salt River Base and Meridian, within the Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced May 3, 1917 and executed with a Buff and Buff transit 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 a 500 link steel tape. The slope angles were determined with a clinometer.

May 3, 1917, p.m.

I observe the altitude of the sun for azimuth at cor. No. 1, hereinafter described. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field. My watch is set for local mean time.

Lat. 34° 27' 10" N., Long. 112° 17' 21" W., from Bradshaw Mountain Quadrangle of U. S. G. S.

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	4h. 40m. 15s.	86° 27' 00"	23° 38' 30"
	Reversed	4h. 41m. 00s.	86° 55' 00"	23° 59' 00"
Bearing of reference object, N. 0° 02' 40" W.				

I again observe the altitude of the sun for azimuth at cor. No. 1. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field.

Telescope	Time	Horizontal Angle	Vertical Angle
Direct	4h. 42m. 15s.	86° 11' 30"	23° 14' 00"
Reversed	4h. 43m. 05s.	86° 39' 30"	23° 34' 00"

Bearing of reference object, N. 0° 01' 47" W.

The mean of these is N. 0° 02' 13" W. and to the corresponding meridian all the courses of this survey are referred.

RETRACEMENT

May 3, 1917.

Beginning at C. C. to secs. 5 and 6, T. 12 N., R. 1 E., an iron post 2 ins. dia., 12 ins. above ground, with brass cap marked and witnessed as described by the Surveyor General.

Thence S. 0° 04' E.

On a random line bet. secs. 5 and 6.

38.68 Intersect 1/4 sec. cor. bet. secs. 5 and 6, an iron post 1 in. in dia., 10 ins. above ground, with brass cap marked and witnessed as described by the Surveyor General.

Thence N. 0° 04' W.

On a true line bet. secs. 5 and 6.

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 10.53 Intersect cor. No. 1 and C. C. of H. E. S. No. 76.
 38.68 Intersect C. C. to secs. 5 and 6, heretofore described.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1, and closing corner on line bet.
 Secs. 5 and 6, T. 12 N., R. 1 E., identical with cor.
 No. 1 of Homestead Entry Survey No. 76, a granite stone
 8 x 6 x 13 ins. above ground, marked and witnessed as
 described by the Surveyor General. I chisel same stone
 1- H E S 340 on the W. face, C C on the NW. face, and
 raise a mound of stone 2 ft. base, 1-1/2 ft. high NW.
 of cor. on closing line.
 Cor. H-5 of the list survey, a granite stone in
 place, 18 x 16 x 10 ins. above ground, marked and
 witnessed as described by the Forest Service, bears
 S. 47° 27' E., 1.90 chs. dist. I destroy all trace
 of this list cor.
 Cor. to secs. 5 and 6, previously described, bears
 N. 0° 04' W., 28.15 chs. dist.
 1/4 cor. bet. secs. 5 and 6, previously described,
 bears S. 0° 04' E., 10.53 chs. dist.
 No bearings available. Pits impracticable.
 Lat. 34° 27' 10" N., Long. 112° 17' 21" W., from Bradshaw
 Mountain Quadrangle of U. S. G. S.
 Mag. var. at 9:00 a.m., 14° 42' E. Mean mag. decl.,
 14° 39' .4 E.
 Thence S. 66° 10' W.

Over gravel mesa in open.

2.00 Road bears NW. and SE.
 4.00 Base of Hill bears N. and S. Ascend steep E. slope 175
 ft. in brush.
 10.90 Top steep slope. Ascend 25 ft. along N. slope to cor.
 21.45 To cor. No. 2.

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Chains Identical with cor. H-4 of the list survey, a granite stone 24 x 12 x 9 ins., marked and witnessed as described by the Forest Service. I destroy all trace

of this list cor. and at this point I set a schist stone 30 x 24 x 18 ins., 6 ins. in the ground, over a small stone marked with a + and surrounded by a mound of stone 6 ft. base, 1-1/2 ft. high. I chisel a + at the point, 2 - H E S 340 on the NW. face; and raise a mound of stone 4 ft. base, 3 ft. high, SE. of cor.

Note: It was impracticable to place the mound in any other position.
The tallest smoke-stack of the Henrietta Mill bears N. 3° 12' E., approximately 1/2 mile dist.
No other bearings available. Pits impracticable.

Thence S. 48° 09' W.

Through dense scrub oak on steep hill side sloping to NW. Ascend 45 ft. along NW. slope.

5.00 Top ascent. Descend 50 ft. to cor. along steep NW. slope in heavy brush.

19.74 To cor. No. 3.

Identical with cor. H-3 of the list survey, a porphyry ledge 36 x 24 x 12 ins. exposed on right bank of wash; marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and chisel a + at the point, 3 - H E S 340 on the NW. face of the ledge; and raise a mound of stone 4 ft. base, 2 ft. high on bank E. of cor., whence:

A juniper, 12 ins. dia., blazed and scribed 3 H E S 340 + B T, bears N. 32° 00' E., 319 lks. dist.

A porphyry ledge 8 x 3 x 3 ft. exposed, marked + B R 3 H E S 340, bears S. 30° 25' E., 35 lks. dist.

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May 3, 1917.

May 4, 1917

Thence N. 6° 20' E.

0.10 Enter wash, 10 lks. wide, banks 4 ft. high, course NNE.

3.80 Leave wash, banks 4 ft. high, course NNE. Ascend 35

ft. in dense scrub oak and manzanita along E. slope.

9.55 Top ascent. Descend 60 ft. in brush along E. slope

to ravine.

23.20 Ravine, .5 lks. wide, course E. Ascend 10 ft. to ridge.

24.00 Top ridge bears E. and W. Descend 20 ft. to ravine.

24.80 Ravine, .5 lks. wide, course E. Ascend 10 ft. along

E. slope.

29.55 Top ridge, bears E. and W. Ridge slopes to E.

Descend 180 ft. in heavy brush, to bench.

36.97 Fence bears NW. and SE. Foot slope. Thence across

bench, bears ESE. and WNW.

39.10 Fence bears E. and W. Leave bench and descend 30 ft.

to creek.

39.15 Irrigation ditch, 5 lks. wide, 1 ft. deep, course E.

39.25 South bank Big Bug Creek, 4 ft. high, course East.

39.30 Running water, 30 lks. wide, 6 ins. deep, course ENE.

Continue in creek bed.

41.25 To point for cor. No. 4.

Identical with point for cor. H-2 of the list survey

which has been washed out. I destroy all trace of the

witnesses for the list cor. It being impracticable to

set a permanent cor. at this point, or within prescribed

distance on either line, I establish witness corners

as follows:

S. 45° 26' E., 3.02 chs. from point for cor. No. 4.

Mark a + for point on top of a granite boulder 28 x 24

x 8 ins. above ground and chisel W C - 4, - H E S 340 on

Chains

SE. face; and raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

A black oak, 6 ins. dia., bears N. 75° 56' W.,
44 lks. dist, scribed. W C 4 H E S 340 + B T.

A black oak, 4 ins. dia., bears S. 55° 45' W.,
65 lks. dist., scribed W C 4 H E S 340 + B T.

N. 40° 05' E., 2.21 chs. dist. from point for cor. No. 4.

Mark a + on top of a lava boulder 22. x 16 x 6 ins. above ground, marked W C 4 - H E S 340 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high SE. of cor., whence:

A black oak, 4 ins. dia., bears S. 50° 55' E.,
53 lks. dist., scribed W C 4 H E S 340 + B T.

A black oak, 8 ins. dia., bears S. 63° 10' W.,
161 lks. dist., scribed. W C 4 H E S 340 + B T.

From point for cor. No. 4.

Thence S. 88° 18' E.

Descend 10 ft. in Big Bug Creek bed to cor.

2.56 Enter running water, 30 lks. wide, 6 ins. deep.

4.22 Leave running water, course ESE.

9.64 Enter running water, 30 lks. wide, 6 ins. deep.

10.38 Leave running water, course ESE.

17.44 Road bears NE. and SW.

20.70 Road bears SSW. and NNE.

22.05 To cor. No. 5.

Identical with cor. H-1 of the list survey and cor. No. 3 of H. E. S. No. 76, which is missing. I destroy all trace of list survey witnesses and restore cor. from witnesses as follows: Deposit a granite stone 4 x 4 x 2 ins. marked with a +, 20 ins. in the ground, and drive an iron pipe, 3/4 in. dia., 55 ins. long, chiseled 3 - H E S 76 on SE. face and 5 - H E S

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340 on SW. face; and raise a mound of stone 8 ft. base,
2 ft. high around cor. to protect it, whence:

An oak, 7 ins. dia., bears N. 59° 25' W., 11
lks. dist., scribed 3 H E S 76 - 5 H E S
340 + B T.

A hackberry, 10 ins. dia., bears N. 4° 58' W.,
164 lks. dist., scribed 3 H E S 76 - 5 H E S
340 + B T.

An ash, 16 ins. dia., bears S. 80° 22' W., 291
lks. dist., scribed 5 H E S 340 + B T.

An oak, 6 ins. dia., bears S. 18° 08' W., 185
lks. dist., scribed 5 H E S 340 + B T.

Cor. No. 3 Henrietta Mill Site, Mineral Survey
No. 1597 B, a granite stone 8 x 8 x 12 ins.,
above ground, marked and witnessed as described
by the Surveyor General, bears N. 31° 00' W.,
22.98 chs. dist. by direct measurement.

Thence S. 12° 08' W.

Across Big Bug Creek bottom.

0.50 Enter road, bears NNW. and along line.

2.10 Running water, 22 lks. wide, 8 ins. deep, course ESE.

Ascend 50 ft. to bench in heavy brush.

4.55 Leave road. Road bears SW.

4.65 Fence, bears NE. and SW.

6.32 Fence, bears NW. and SE.

6.40 Edge of bench, bears E. and SW. Thence over level land
to cor.

9.20 Road, bears NW. and SE.

9.67 To cor. No. 6.

Identical with cor. No. 2 of H. E. S. No. 76 and cor.
H-6 of the list survey, a porphyry stone 14 x 10 x 12
ins. above ground, marked and witnessed as described

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by the Surveyor General and the Forest Service. I obliterate all marks pertaining to this list cor. and its witnesses, chisel 6 - H E S 340 on the SW. face of same stone; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., whence:

A porphyry stone in place, 12 x 12 x 3 ins. above ground, chiseled + BR 2 H E S 76, bears N. 49° 02' W., 29 lks. dist. I chisel this stone 6 H E S 340.

A schist stone in place, 14 x 12 x 4 ins. above ground, chiseled + B R 6 H E S 340, bears S. 49° 12' W., 29 lks. dist.

A schist stone in place, 14 x 10 x 6 ins. above ground, chiseled + B R 6 H E S 340 bears N. 43° 25' E., 33 lks. dist.

Thence S. 47° 26' E.

Over open bench, slopes NE.

- 0.50 Road, bears NW. and along line.
- 3.60 Dry arroyo, 100 lks. wide, 12 ft. deep, course NE.
- 5.00 Leave road, bears SE.
- 13.28 To cor. No. 1, and place of beginning.

AREA

Total Area - - - - - 73.30 acres.

IMPROVEMENTS

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

A frame dwelling 30 x 25 ft. the long side of which bears E. and W., and the NE. cor. of which bears from cor. No. 5 S. 62° 14' W., 8.92 chs. dist.

Value - - - - - \$300.00

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A frame barn, 30 x 15 ft., the long side of which bears N. and S., and the NE. cor. of which bears S. 23° 00' E. 6.75 chs. dist. from cor. No. 4.

Value - - - - - \$100.00

A tent cottage, 16 x 12 ft., the long side of which bears E. and W., and the NE. cor. of which bears from cor. No. 5 S. 66° 50' W., 12.72 chs. dist.

Value - - - - - \$ 50.00

A frame dwelling, 16 x 10 ft., the long side of which bears N. and S., and the NW. cor. of which bears S. 6° W., 3.40 chs. dist. from cor. No. 4.

Value - - - - - \$100.00

A timbered well, 4 ft. dia., 25 ft. deep, the center of which bears from cor. No. 5 S. 64° 04' W., 12.26 chs. dist.

Value - - - - - \$ 50.00

Approximately 1/2 mile of irrigation ditch.

Value - - - - - \$100.00

Approximately 3/4 mile of wire fence.

Value - - - - - \$ 75.00

DESCRIPTION

This claim is located on the South side of Big Bug Creek taking in the bottom land, two benches, and portion of steep hillsides South of creek.

The soil in the bottom and on first bench is a rich sandy loam, and produces excellent crops of alfalfa, garden truck and fruit. The second bench is a gravelly loam of doubtful agricultural possibilities. The hillsides are steep, rocky and non-agricultural. The entire claim, except that portion under fence is covered with a heavy stand of brush.

There is no commercial timber on the claim.

Chains

Water for domestic use is obtained from the well near the house. Water for stock and irrigation is obtained from Big Bug Creek.

This claim is in a mineralized section and evidence of mineral is to be seen on hillsides, but while much prospecting has been done, mineral has not been found in sufficient quantities to warrant any large amount of development work. This is shown by the fact that all points where surface has been scratched have been abandoned before sufficient work had been done to drive over a foot or two of tunnel or shaft.

CONFLICTS AND ADJOINING CLAIMS

I was unable to obtain any evidence of conflict, although I heard that some unsurveyed placer claims conflicted in part with this survey. If monuments for such claims were ever erected they have been obliterated by the creek or other agencies, for I was unable to find any evidence of them after a strict search. The Henrietta Millsite, Survey No. 1597 B, lies approximately 1/4 mile to N. This claim is joined on the East by H. E. S. No. 76. H. E. S. No. 62 is approximately 2.00 chs. NE. Grand Central lode mineral survey No. 1769 lies approximately 1/2 mile West. Henrietta siding, the nearest railroad point, is approximately 1/4 mile north. Mayer, Arizona, the nearest post office, is six miles distant by good wagon road.

HOMESTEAD ENTRY SURVEY NO. 340

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TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 66° 10' W.	21.45		8.67 ✓		19.62 ✓
2-3	S. 48° 09' W.	19.74		13.17 ✓		14.70 ✓
3-4	N. 6° 20' E.	41.23	40.98 ✓		4.55 ✓	
4-5	S. 88° 18' E.	22.05		0.65 ✓	22.04 ✓	
5-6	S. 12° 08' W.	9.67		9.45 ✓		2.03 ✓
6-1	S. 47° 26' E.	13.28		8.98 ✓	9.78 ✓	
		<u>127.42</u>	<u>40.98</u>	<u>40.92</u>	<u>36.37</u>	<u>36.35</u>

Error in Lat. and Dep.

<u>40.92</u>	<u>36.35</u>
.06 ✓	.02 ✓

Closing error, 1:2015. ✓

Survey completed May 4, 1917.

R. L. Johnson

Surveyor - Draftsman

Chains

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1-2	100.00	100.00	100.00	100.00	
2-3	100.00	100.00	100.00	100.00	
3-4	100.00	100.00	100.00	100.00	
4-5	100.00	100.00	100.00	100.00	
5-6	100.00	100.00	100.00	100.00	
6-7	100.00	100.00	100.00	100.00	
7-8	100.00	100.00	100.00	100.00	
8-9	100.00	100.00	100.00	100.00	
9-10	100.00	100.00	100.00	100.00	
<hr/>		<hr/>		<hr/>	
10-11	100.00	100.00	100.00	100.00	100.00
11-12	100.00	100.00	100.00	100.00	100.00
12-13	100.00	100.00	100.00	100.00	100.00
13-14	100.00	100.00	100.00	100.00	100.00
14-15	100.00	100.00	100.00	100.00	100.00
15-16	100.00	100.00	100.00	100.00	100.00
16-17	100.00	100.00	100.00	100.00	100.00
17-18	100.00	100.00	100.00	100.00	100.00
18-19	100.00	100.00	100.00	100.00	100.00
19-20	100.00	100.00	100.00	100.00	100.00
20-21	100.00	100.00	100.00	100.00	100.00
21-22	100.00	100.00	100.00	100.00	100.00
22-23	100.00	100.00	100.00	100.00	100.00
23-24	100.00	100.00	100.00	100.00	100.00
24-25	100.00	100.00	100.00	100.00	100.00
25-26	100.00	100.00	100.00	100.00	100.00
26-27	100.00	100.00	100.00	100.00	100.00
27-28	100.00	100.00	100.00	100.00	100.00
28-29	100.00	100.00	100.00	100.00	100.00
29-30	100.00	100.00	100.00	100.00	100.00
30-31	100.00	100.00	100.00	100.00	100.00
31-32	100.00	100.00	100.00	100.00	100.00
32-33	100.00	100.00	100.00	100.00	100.00
33-34	100.00	100.00	100.00	100.00	100.00
34-35	100.00	100.00	100.00	100.00	100.00
35-36	100.00	100.00	100.00	100.00	100.00
36-37	100.00	100.00	100.00	100.00	100.00
37-38	100.00	100.00	100.00	100.00	100.00
38-39	100.00	100.00	100.00	100.00	100.00
39-40	100.00	100.00	100.00	100.00	100.00
40-41	100.00	100.00	100.00	100.00	100.00
41-42	100.00	100.00	100.00	100.00	100.00
42-43	100.00	100.00	100.00	100.00	100.00
43-44	100.00	100.00	100.00	100.00	100.00
44-45	100.00	100.00	100.00	100.00	100.00
45-46	100.00	100.00	100.00	100.00	100.00
46-47	100.00	100.00	100.00	100.00	100.00
47-48	100.00	100.00	100.00	100.00	100.00
48-49	100.00	100.00	100.00	100.00	100.00
49-50	100.00	100.00	100.00	100.00	100.00
50-51	100.00	100.00	100.00	100.00	100.00
51-52	100.00	100.00	100.00	100.00	100.00
52-53	100.00	100.00	100.00	100.00	100.00
53-54	100.00	100.00	100.00	100.00	100.00
54-55	100.00	100.00	100.00	100.00	100.00
55-56	100.00	100.00	100.00	100.00	100.00
56-57	100.00	100.00	100.00	100.00	100.00
57-58	100.00	100.00	100.00	100.00	100.00
58-59	100.00	100.00	100.00	100.00	100.00
59-60	100.00	100.00	100.00	100.00	100.00
60-61	100.00	100.00	100.00	100.00	100.00
61-62	100.00	100.00	100.00	100.00	100.00
62-63	100.00	100.00	100.00	100.00	100.00
63-64	100.00	100.00	100.00	100.00	100.00
64-65	100.00	100.00	100.00	100.00	100.00
65-66	100.00	100.00	100.00	100.00	100.00
66-67	100.00	100.00	100.00	100.00	100.00
67-68	100.00	100.00	100.00	100.00	100.00
68-69	100.00	100.00	100.00	100.00	100.00
69-70	100.00	100.00	100.00	100.00	100.00
70-71	100.00	100.00	100.00	100.00	100.00
71-72	100.00	100.00	100.00	100.00	100.00
72-73	100.00	100.00	100.00	100.00	100.00
73-74	100.00	100.00	100.00	100.00	100.00
74-75	100.00	100.00	100.00	100.00	100.00
75-76	100.00	100.00	100.00	100.00	100.00
76-77	100.00	100.00	100.00	100.00	100.00
77-78	100.00	100.00	100.00	100.00	100.00
78-79	100.00	100.00	100.00	100.00	100.00
79-80	100.00	100.00	100.00	100.00	100.00
80-81	100.00	100.00	100.00	100.00	100.00
81-82	100.00	100.00	100.00	100.00	100.00
82-83	100.00	100.00	100.00	100.00	100.00
83-84	100.00	100.00	100.00	100.00	100.00
84-85	100.00	100.00	100.00	100.00	100.00
85-86	100.00	100.00	100.00	100.00	100.00
86-87	100.00	100.00	100.00	100.00	100.00
87-88	100.00	100.00	100.00	100.00	100.00
88-89	100.00	100.00	100.00	100.00	100.00
89-90	100.00	100.00	100.00	100.00	100.00
90-91	100.00	100.00	100.00	100.00	100.00
91-92	100.00	100.00	100.00	100.00	100.00
92-93	100.00	100.00	100.00	100.00	100.00
93-94	100.00	100.00	100.00	100.00	100.00
94-95	100.00	100.00	100.00	100.00	100.00
95-96	100.00	100.00	100.00	100.00	100.00
96-97	100.00	100.00	100.00	100.00	100.00
97-98	100.00	100.00	100.00	100.00	100.00
98-99	100.00	100.00	100.00	100.00	100.00
99-100	100.00	100.00	100.00	100.00	100.00

[Handwritten signature]
 Surveyor - [illegible]

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Direct Solar at Cor. No. 1, May 3, 1917.

Lat. 34° 27' 10" N., Long. 112° 17' 21" W., Elev. 5070 ft.

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	4h. 40m. 15s.	86° 27' 00"	23° 38' 30"	+
Reversed	4h. 41m. 00s.	86° 55' 00"	23° 59' 00"	+
	4h. 40m. 37s. ✓	86° 41' 00" ✓	23° 48' 45" ✓	
			01' 49" ✓	
			23° 46' 56" ✓	

Decl., 15° 44' 10" ✓

$$\text{Cos. } Q. = \frac{\sin. 15^\circ 44' 10''}{\cos. 34^\circ 27' 10'' \times \cos. 23^\circ 46' 56''} - \frac{\tan. 34^\circ 27' 10'' \times \tan. 23^\circ 46' 56''}{\cos. 23^\circ 46' 56''}$$

$$\begin{aligned} \log. \sin. 15^\circ 44' 10'' &= 9.433301 \checkmark \\ \log. \cos. 34^\circ 27' 10'' &= 9.916239 \checkmark \\ \log. \cos. 23^\circ 46' 56'' &= 9.961461 \checkmark \\ \hline &9.555601 \checkmark = .35942 \checkmark \end{aligned}$$

$$\begin{aligned} \log. \tan. 34^\circ 27' 10'' &= 9.836367 \checkmark \\ \log. \tan. 23^\circ 46' 56'' &= 9.644125 \checkmark \\ \hline &9.480492 \checkmark = .30234 \checkmark \\ \text{Cos. } Q. &= .05708 \checkmark \end{aligned}$$

$$Q. = 86^\circ 43' 40'' \checkmark$$

Bearing of reference object, N. 0° 02' 40" W. ✓

(2)

Telescope	Time	Horizontal Angle	Vertical Angle	Pos. Sun
Direct	4h. 42m. 15s.	86° 11' 30"	23° 14' 00"	+
Reversed	4h. 43m. 05s.	86° 39' 30"	23° 34' 00"	+
	4h. 42m. 40s. ✓	86° 25' 30" ✓	23° 24' 00" ✓	
			01' 52" ✓	
			23° 22' 08" ✓	

Decl., 15° 44' 10" ✓

$$\text{Cos. } Q. = \frac{\sin. 15^\circ 44' 10''}{\cos. 34^\circ 27' 10'' \times \cos. 23^\circ 22' 08''} - \frac{\tan. 34^\circ 27' 10'' \times \tan. 23^\circ 22' 08''}{\cos. 23^\circ 22' 08''}$$

$$\begin{aligned} \log. \sin. 15^\circ 44' 10'' &= 9.433301 \checkmark \\ \log. \cos. 34^\circ 27' 10'' &= 9.916239 \checkmark \\ \log. \cos. 23^\circ 22' 08'' &= 9.962829 \checkmark \\ \hline &9.554233 \checkmark = .35829 \checkmark \end{aligned}$$

$$\begin{aligned} \log. \tan. 34^\circ 27' 10'' &= 9.836367 \checkmark \\ \log. \tan. 23^\circ 22' 08'' &= 9.635578 \checkmark \\ \hline &9.471945 \checkmark = .29645 \checkmark \\ \text{Cos. } Q. &= .06184 \checkmark \end{aligned}$$

$$Q. = 86^\circ 27' 17'' \checkmark$$

Bearing of reference object, N. 0° 01' 47" W. ✓

NATIONAL FOREST

STATE OF

Chains

Chains

Direct

Vertical Horizontal Time Telescope

Direct

Reversed

Direct

Reversed

Direct

Reversed

Direct

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DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

3. 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.

4. 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. 340, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 66° 10' W.	21.45		8 67		19 62	49 02	425 49	
2-3	S. 48° 09' W.	19.74		13 17		14 70	14 70	193 75	
3-4	N. 6° 20' E.	41.23	96	66	54		4 54		185 96
4-5	S. 88° 18' E.	22.05	40 98	65	4 55		31 11	20 53	
5-6	S. 12° 08' W.	9.67		9 45	22 04	2 03	51 11	482 99	
6-1	S. 47° 26' E.	13.28		8 98	9 78		58 86	529 15	
		127.42	40 98	40 92	36 37	36 35		185 96	1651 91
			40 96	40 96	36 35	36 35			185 96
								20/1465 95	
								73 297	
									Acres

Closing error, 1:2015.

E. M. H.

125

APPROVAL

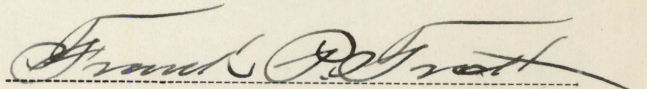
Office of the United States Surveyor General,

Phoenix, Arizona, June 28, 1918.

The foregoing field notes of Homestead Entry Survey No.

340

executed by R. P. A. Johnson, Surveyor-Draftsman
[Forest Service Title.]
under his special instructions, dated April 16, 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.