

ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

APR 3-1916

DEC 9-1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 344

SITUATED IN THE PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 23 , unsurveyed, Township 15 N., Range 4 W.

In Section 25 , unsurveyed, Township 15 N., Range 4 W.

In Section 26 , unsurveyed, Township 15 N., Range 4 W.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

MAR 14 1918

Applicant for listing Guy Davis,
 Residence Skull Valley, Arizona
 Application No. 153 , dated October 31 , 1912
 List No. 3-2940 , dated December 16 , 1913

Applicant for survey Guy Davis,
 Residence Skull Valley, Arizona.
 H. E. No. 024523 , dated April 25 , 1914
 Office Land District Phoenix, Arizona

Survey executed by Charles D. Hodson, Surveyor - Draftsman
 [Forest Service Title]
 Under special instructions dated April 20 , 1915
 Survey commenced June 29 , 1915
 Survey completed July 3 , 1915
 Under Acts of June 11, 1906, June 30, 1914 and March 4, 1915

2. 342

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OATH OF ASSISTANTS

We hereby certify that we assisted **Charles D. Hodson,**
Surveyor - Draftsman in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **344**, in the State
of **Arizona**, which are represented in the following field notes
as having been surveyed by him and under his direction; and that said
survey has been in all respects, to the best of our knowledge and
belief, well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States
Surveyor General for **Arizona**.

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

C. H. Basch, Chairman

Douglas E. ...,
Chainman

Subscribed and sworn to before me this **3rd** day of
July, 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 instruc-
tions of the United States Surveyor General for **Arizona**, dated
April 20, 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. **3-2940**, dated **Dec. 16**, 19 **13**, for
June 11, 1906, under the Act of
the same to be known as Homestead Entry Survey No. **344**,
situated within the **PRESCOTT** National Forest, in
un surveyed Section **23**, Township **15 N.**, Range **4 W.**, and
un surveyed Section **25**, Township **15 N.**, Range **4 W.**, and
un surveyed Section **26**, Township **15 N.**, Range **4 W.**

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**.

Elmer C. ...

Notary Public



8-2349

My Commission expires April 20, 1918.

PRESCOTT NATIONAL FOREST

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Chains Applicant for listing, Guy Davis; Application No. 153, dated October 31, 1912; List No. 3-2940, dated December 16, 1913; H. E. 024523, made in the Phoenix Land Office on April 25, 1914 by Guy Davis.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 20, 1915 and designated as Homestead Entry Survey No. 344.

Situated in what will probably be, when surveyed, secs. 23, 25 and 26, T. 15 N., R. 4 W., Gila and Salt River Base and Meridian, Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, June 30, 1914, and March 4, 1915.

Survey commenced June 29, 1915 and executed with a Buff and Buff transit No. 9700-6.

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.

June 29, 1915.

At 8h. 17m. 55s. a.m., l.m.t., I observe the altitude of the sun for azimuth at the 1/4 sec. cor. bet. secs. 23 and 26, T. 15 N., R. 4 W., hereinafter described, and what will be cor. No. 1 of this survey. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Latitude 34° 38' N. and Long. 112° 38' 56" W. from special instructions from the Surveyor General and later verified.

Chains	Telescope	Horizontal Angle	Vertical Angle
	Direct	87° 41' 00"	40° 33' 30"
	Reversed	87° 07' 30"	40° 11' 30"
Bearing of reference object N. 0° 06' 53" E.			

At 8h. 19m. 32s. a.m. l.m.t., 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 lower left and upper right quadrants of the field.

Telescope	Horizontal Angle	Vertical Angle
Direct	87° 54' 00"	40° 52' 30"
Reversed	87° 21' 00"	40° 33' 30"

Bearing of reference object N. 0° 07' 04" E.

The mean of these observations is N. 0° 06' 59" E.

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

June 29, 1915.

July 2, 1915.

Beginning at the accepted 1/4 sec. cor. bet. secs. 23 and 26, T. 15 N., R. 4 W., a juniper post 3 x 3 x 18 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence West.

On a random line bet. secs. 23 and 26.

40.75 Fall 42 lks. N. of the cor. to secs. 22, 23, 26 and 27, (restored, under H. E. S. 342) a granite stone 10 x 6 x 6 ins. above ground, marked with 2 notches on S. and E. edges, with mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., whence:

An oak, 12 ins. dia., blazed and scribed

T 15 N R 4 W. S. 23 B T, bears N. 76° 33' E.,

301 lks. dist.

An oak, 12 ins. dia., blazed and scribed

T 15 N S 27 B T, bears S. 5° 00' W.,

60 lks. dist.

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Chains Thence N. 89° 25' E.
On true line bet. secs. 23 and 26.
40.75 Intersect 1/4 sec. cor. bet. secs. 23 and 26, heretofore described.

Thence North

79.98 On a random meridional 1/4 sec. line through sec. 23, Fall 5 lks. W. of the 1/4 sec. cor. bet. secs. 14 and 23, a juniper post 3 x 3 ins., the top of which has broken off. I find the stub of the post and the memorial described by the Surveyor General. At this point I set a juniper post 4 x 4 x 42 ins., 30 ins. in the ground, over a small stone marked with a cross, marked 1/4 S. 24. on N. face; dig pits 24 x 24 x 12 ins., E. and W. 3 ft.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

Thence S. 0° 02' W.
On a true meridional 1/4 sec. line through sec. 23.
79.98 Intersect the 1/4 sec. cor. bet. secs. 23 and 26, heretofore described.

Beginning at cor. No. 1.

Identical with the 1/4 sec. cor. bet. secs. 23 and 26 and cor. H-1 of the list survey. I mark the 1/4 sec. cor. with a nail for exact point for cor. No. 1, and alongside set a granite stone 30 x 10 x 10 ins., 20 ins. in the ground over a small stone marked with a cross. I chisel 1 - H E S 344 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor., whence:

A juniper 24 ins. dia., blazed and scribed
1 H E S 344 + B T, bears S. 10° 00' W.,
130 lks. dist.

A juniper, 8 ins. dia., blazed and scribed
1 H E S 344 + B T, bears S. 35° 54' W.,

Chains Lat. 34° 38' N., Long. 112° 38' 56" W., obtained from the Surveyor General's special instructions, and later verified.
Mag. decl. at 9h. 00m. a.m., 14° 59' E. Mean Mag. decl. 14° 56' E.

Thence S. 2° 45' E.
Desc. 20 ft. through scrub oak.
8.00 Foot of desc., thence over level land.
15.07 To cor. No. 2.

Identical with cor. H-2 of the list survey, a juniper tree 36 ins. dia., marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and mark same tree on SW. side + 2 H E S 344; 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. base, 2 ft. high, SW. of cor., whence:
A juniper 16 ins. dia., blazed and scribed 2 H E S 344 + B T, bears N. 83° 28' W., 96 lks. dist.
A juniper 12 ins. dia., blazed and scribed 2 H E S 344 + B T, bears S. 9° 17' E., 110 lks. dist.

Thence S. 37° 15' E.
Through scrub oak.
8.40 Fence cor., fences bear SE, along line and southwesterly.
14.33 To cor. No. 3.

Identical with cor. H-3 of the list survey, a black oak tree 24 ins. dia., marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and mark same tree + 3 H E S 344 on SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., whence:

Chains
 A black oak, 10 ins. dia., blazed and scribed
 3 H E S 344 + B.T., bears N. 9° 49' W.,
 75. lks. dist.
 A white oak, 10 ins. dia., blazed and scribed
 3 H E S 344 + B T., bears N. 56° 41' E.,
 21 lks. dist.

Thence S. 66° 35' E.
 Over level land, leave scrub oak, bears NE. and SW.
 Fence along line.

27.86 To cor. No. 4.
 Identical with cor. H-4 of the list survey, a granite
 stone 8 x 6 x 8 ins. above ground, marked and witness-
 ed as described by the Forest Service. I destroy all
 trace of the list cor. and at this point set a granite
 stone 24 x 12 x 8 ins., 14 ins. in the ground, over a
 small stone marked with a cross. I chisel a cross at
 the point and 4 - H E S 344 on the SW. face, dig pits
 24 x 24 x 12 ins. crosswise on this and the succeeding
 course, 7 ft. dist.; and raise a mound of stone cover-
 ed with earth 5 ft. base, 2 ft. high, SW. of cor.,
 whence:
 A white oak, 6 ins. dia., blazed and scribed
 4 H E S 344 + B T., bears S. 65° 13' E.,
 155 lks. dist.
 No other bearings available.

July 2, 1915.

July 3, 1915.
 Thence S. 51° 50' E.
 Over level land, fence along line.

12.00 Fence cor., fences bear NW. along line and SSW.
 15.04 To cor. No. 5.
 Identical with cor. H-5 of the list survey, a granite
 stone 8 x 6 x 6 ins. above ground, marked and witnessed

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Chains as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a granite stone 36 x 14 x 8 ins., 24 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point and 5 - H E S 344 on the SW. face, dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of stone covered with earth 5 ft. base, 2 ft. high SW. of cor., whence:

A walnut, 8 ins. dia., blazed and scribed

5 H E S 344 + B T, bears S. 55° 30' W.,

418 lks. dist.

Cor. No. 9 of H E S 345, a malpais stone 12

x 6 x 10 ins. above ground chiseled + at

the point and 9 H E S 345 on SE. face with

pits 24 x 24 x 12 ins. S. 31° 22' E. and

S. 79° 04' E. 7 ft. dist and mound of earth

4 ft. base, 2 ft. high, SE. of cor. bears

S. 55° 53' E., 75 lks. dist.

No other witnesses available

Thence S. 30° 30' W.

Over level bottom land.

7.00 Wash, 50 lks. wide, course WNW.

8.01 To cor. No. 6.

Identical with cor. H-6 of the list survey, a malpais stone 14 x 8 x 8 ins. above ground, marked and witness-

ed as described by the Forest Service. I destroy

all trace of the list cor. and at this point set a

granite stone 24 x 12 x 10 ins., 14 ins. in the ground,

over a small stone marked with a cross. I chisel a

cross at the point and 6 - H E S 344 on the NW. face;

and raise a mound of stone 2 ft. base, 1-1/2 ft. high

NW. of cor., whence:

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Chains

A walnut, 6 ins. dia., blazed and scribed
6 H E S 344 + B T, bears N. 43° 10' W.,
84 lks. dist.

Cor. No. 8 of H E S 345, a malpais stone 8 x 4
x 10 ins. above ground chiseled + at the
point and 8 H E S 345 on E. face; with mound
of stone 2 ft. base 1-1/2 ft. high, E. of cor.
bears N. 64° 45' E. 115 lks. dist.

No other witnesses available.

Thence N. 62° 49' W.

2.50 At foot of E. slope, fence cor. bears North 50 lks.,
fences bear NNE. and WNW.
Asc. 20 ft.

6.85 Top of ridge, bears N. and S. desc. 20 ft. through
scrub oak on W. slope.

32.00 Foot of desc., fence cor., fence bears ESE. and NW.
along line. Thence over level land.

53.72 To cor. No. 7.

Identical with cor. H-7 of the list survey, a juniper
tree 6 ins. dia., marked and witnessed as described
by the Forest Service. I destroy all trace of this
list cor. and mark same tree on NE. side + 7 H E S 344,
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. base, 2 ft. high, NE. of cor., whence:

A juniper, 16 ins. dia., blazed and scribed
7 H E S 344 + B T, bears S. 64° 20' W.,
98 lks. dist.

A juniper, 12 ins. dia., blazed and scribed
7 H E S 344 + B T, bears S. 9° 00' W.,
171 lks. dist.

Chains	<p>Thence N. 56° 28' W.</p> <p>Through growth of large oaks, at foot of gentle N. slope, fence along line.</p> <p>1.00 Fence cor., fences bear ESE. along line and NE. to cor. of fence on line 2-3.</p> <p>33.41 To cor. No. 8.</p> <p>Identical with cor. H-8 of the list survey, a granite stone 10 x 8 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point set a granite stone 28 x 10 x 6 ins., 18 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point, 8 - H E S 344 on the ENE. face, dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. and raise a mound of earth 4 ft. base 2 ft. high, ENE. of cor., whence:</p> <p style="padding-left: 40px;">A black oak, 8 ins. dia., blazed and scribed 8 H E S 344 + B T, bears N. 4° 04' W., 65 lks. dist.</p> <p style="padding-left: 40px;">A black oak, 6 ins. dia., blazed and scribed 8 H E S 344 + B T, bears N. 55° 39' W., 77 lks. dist.</p> <hr/> <p>Thence N. 31° 40' E.</p> <p>Over level land.</p> <p>4.40 Leave oak timber, bears E. and W.</p> <p>8.10 Wash, 20 lks. wide, 2 ft. deep, course NW.</p> <p>12.33 To cor. No. 9 and C. C. on line bet. secs. 23 and 26.</p> <p>Set a granite stone 26 x 8 x 6 ins., 16 ins. in the ground, over broken glass, chisel a cross at the point, 9 - H E S 344 on the SE. face; C C on the SW. face; No witnesses available, therefore dig pits 36 x 24 x 12 ins. crosswise on line N. 89° 25' E., 4 ft., S. 31°</p>
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40' W., 8 ft.; and raise a mound of earth 4 ft. base, 2 ft. high, S. 31° 40' W., 3-1/2 ft. dist. from cor. Cor. to secs. 22, 23, 26 and 27, heretofore described, bears S. 89° 25' W., 14.40 chs. dist. The 1/4 sec. cor. bet. secs. 23 and 26, and cor. No. 1 of this survey, heretofore described, bears N. 89° 25' E., 26.35 chs. dist.

Thence N. 31° 40' E.

Over level land.

12.02 To cor. No. 10.

Set a granite stone 30 x 12 x 6 ins., 20 ins. in the ground, over a small stone marked with a cross; I chisel a cross at the point, 10 - H E S 344 on the SE. face; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, SE. of cor., whence:

A walnut, 8 ins. dia., blazed and scribed 10 H E S 344 + B T, bears N. 27° 45' W., 4-1/2 lks. dist.

A walnut, 8 ins. dia., blazed and scribed 10 H E S 344 + B T, bears S. 49° 45' W., 5 lks. dist.

Cor. H-9 of the list survey, a walnut tree 6 ins. dia., marked and witnessed as described by the Forest Service, bears West 4 lks. dist. I destroy all trace of this list cor.

Thence N. 51° 48' E.

Over open level land.

5.00 Point of oak timber, bears ENE. and S.

25.58 To cor. No. 11.

On the meridional 1/4 sec. line through sec. 23.

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Chains

Set a granite stone 28 x 12 x 8 ins., 18 ins. in the ground, over broken glass. I chisel a cross at the point, 11 - H E S 344 on the SSW. face, dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 8 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, SSW. of cor., whence:

A white oak, 10 ins. dia., blazed and scribed 11 H E S 344 + B T, bears N. 74° 49' E., 240 lks. dist.

A black oak, 23 ins. dia., blazed and scribed 11 H E S 344 + B T, bears S. 65° 31' E., 254 lks. dist.

Cor. H-10 of the list survey, a granite stone 6 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service bears S. 38° 10' E., 15 lks. I destroy all trace of this list cor.

Thence S. 0° 02' W.

Along meridional 1/4 sec. line through sec. 23, over level open land.

12.00 Foot of NNE. slope, asc. 20 ft. through scrub oak.

21.00 Top of asc., thence along W. edge of ridge.

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

AREA

Area in unsurveyed sec. 23, - - - - - 39.41 acres.

Area in unsurveyed secs. 25 and 26, - - - 119.81 acres.

Total area - - - - - 159.22 acres.

IMPROVEMENTS

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

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A frame cabin, 14 x 12 ft., the long side extending E. and W. and the SW. cor. of which bears from cor. No. 9 N. 79° 18' E., 12.02 chs. dist.

Value ----- \$ 75.00

Approximately 1-3/4 miles of wire fence.

Value ----- \$175.00

DESCRIPTION

This claim is situated near the head of what is locally known as Tonto Flat at an elevation of 4850 ft.

The soil is a sandy loam and by the use of modern dry farming methods is producing good crops of wheat hay, corn, potatoes and beans.

There is no water on the claim, but the claimant has spent considerable money digging at various places, having sunk 3 holes of an average depth of 40 ft. and prospected with an auger drill to a depth of 60 ft. in three other places. Water for domestic and stock purposes is hauled from Tonto Spring, about 3/4 of a mile to the NW.

There is a stand of oak timber amounting to approximately 200 cords, and juniper amounting to approximately 2000 fence posts on this claim. The cost of handling this timber would be prohibitive because of the distance to market.

This is not a mineralized section and I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

The homestead claim of Edward Contreras, H. E. No. 024980, H. E. S. 345, (surveyed), lies to the east of this claim, but does not adjoin or conflict.

Note: The hiatus between this survey and H. E. S. 345 was not eliminated since the area is required by the Forest Service for administrative purposes.

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Chains The homestead claims, of Jay Davis, H. E. No. 023633, and William Johnson, H. E. No. 027412, lie to the SW. of this claim, approximately 1/2 mile distant. Skull-Valley, the nearest post office and railroad point, is 8 miles by good wagon road in a southerly direction. Prescott, the nearest market point, is 11 miles by poor wagon road in an easterly direction.

Traverse in Sec. 23.

Course	Dist.	N	S	E	W
S. 89° 25' W.	26.35		0.27		26.35
N. 31° 40' E.	12.02	10.23		6.31	
N. 51° 48' E.	25.58	15.82		20.10	
S. 0° 02' W.	25.86		25.86		0.02
	89.81	26.05	26.13	26.41	26.37
			26.05	26.37	
Error in Lat. and Dep.			.08	.04	

Closing error 1:1004.

Traverse in Secs. 25 and 26.

Course	Dist.	N	S	E	W
S. 2° 45' E.	15.07		15.05	0.72	
S. 37° 15' E.	14.33		11.41	8.67	
S. 66° 35' E.	27.86		11.07	25.57	
S. 51° 50' E.	15.04		9.29	11.82	
S. 30° 30' W.	8.01		6.90		4.07
N. 62° 49' W.	53.72	24.54			47.79
N. 56° 28' W.	33.41	18.46			27.85
N. 31° 40' E.	12.33	10.49		6.47	
N. 89° 25' E.	26.35	0.27		26.35	
	206.12	53.76	53.72	79.60	79.71
		53.72			79.60
Error in Lat. and Dep.		.04			.11

Closing error 1:1761.

Survey completed July 3, 1915.

Charles D. Hodson

Surveyor - Draftsman

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Chains

Direct Solar of June 29, 1915.

At cor. No. 1. H E S No. 344.

Lat. 34° 38' N.
Long. 112° 38' 56" W. = 7h. 30m. 36s.
Elev. 4,850 ft. = .85
Temp. 90° F. = .93

Position Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	8h. 17m. 30s.	87° 41' 00"	40° 33' 30"
Reversed	8h. 18m. 19s.	87° 07' 30"	40° 11' 30"
Mean	8h. 17m. 55s.	87° 24' 15"	40° 22' 30"

0° 01' 08" x .85 x .93 = 0° 00' 54". ref. 54"
Alt. 40° 21' 36"

12h. - 7h. 30m. 36s. = 4h. 29m. 24s.

8h. 17m. 55s. - 4h. 29m. 24s. = 3h. 48m. 31s. = 3.81h.

23° 17' 04.8" - 0° 00' 27.3" = 23° 16' 38" = decl.

log. sin. 23° 16' 38" = 9.5967953
log. cos. 34° 38' 00" = 9.9152974
log. cos. 40° 21' 36" = 9.8819496
9.7972470
9.7995483 = log. .63030

log. tan. 34° 38' 00" = 9.8392975
log. tan. 40° 21' 36" = 9.9293492
9.7686467 = log. .58701

Cos. Q. = .04329

Q. = N. 87° 31' 08" E.
87° 24' 15"

Bearing of reference object = N. 0° 06' 53" E.

Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	8h. 19m. 05s.	87° 54' 00"	40° 52' 30"
Reversed	8h. 19m. 59s.	87° 21' 00"	40° 33' 30"
Mean	8h. 19m. 32s.	87° 37' 30"	40° 43' 00"

0° 01' 07" x .85 x .93 = 0° 00' 53". ref. 53"
Alt. 40° 42' 07"

log. sin. 23° 16' 38" = 9.5967953
log. cos. 34° 38' 00" = 9.9152974
log. cos. 40° 42' 07" = 9.8797335
9.7959309
9.8017644 = log. .63353

log. tan. 34° 38' 00" = 9.8392975
log. tan. 40° 42' 07" = 9.9345968
9.7738943 = log. .59415

Cos. Q. = .03938

Q. = N. 87° 44' 34" E.
87° 37' 30"

Bearing of reference object, N. 0° 07' 04" E.

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Vertical Angle	Horizontal Angle	I.M.T.	Telescope	Position
40° 31' 30"	87° 24' 15"	81. 17m. 53a.	Direct	Mean
40° 31' 30"	87° 07' 30"	81. 17m. 19a.	Reversed	Reversed
40° 31' 30"	87° 41' 00"	81. 17m. 30a.	Direct	Direct
$0^\circ 01' 08'' \times .88 \times .93 = 0^\circ 00' 56''$ ref.				
$81. 17m. 53a. - 41. 89m. 84a. = 39. 27m. 69a. = 3. 27m.$				
$81. 17m. 53a. - 41. 89m. 84a. = 39. 27m. 69a. = 3. 27m.$				
$38^\circ 17' 04. 8'' - 0^\circ 00' 27. 2'' = 37^\circ 16' 37'' = 56. 1''$				
$log. sin. 38^\circ 18' 38'' = 9. 8267353$ $log. cos. 34^\circ 38' 00'' = 9. 8192974$ $log. cos. 40^\circ 31' 30'' = 9. 8192928$ $\frac{9. 8267353}{9. 8192974} = 1.000000$ $\frac{9. 8192928}{9. 8192974} = 1.000000$				
$log. tan. 34^\circ 38' 00'' = 9. 8262375$ $log. tan. 40^\circ 31' 30'' = 9. 8262328$ $\frac{9. 8262375}{9. 8262328} = 1.000000$				
$cos. 0. = 1.000000$ $0. = 1. 87^\circ 31' 00''$ $87^\circ 24' 15''$ $\frac{1. 87^\circ 31' 00''}{87^\circ 24' 15''} = 1. 00^\circ 06' 45''$				
Vertical Angle	Horizontal Angle	I.M.T.	Telescope	Position
40° 31' 30"	87° 24' 15"	81. 17m. 53a.	Direct	Mean
40° 31' 30"	87° 07' 30"	81. 17m. 19a.	Reversed	Reversed
40° 31' 30"	87° 41' 00"	81. 17m. 30a.	Direct	Direct
$0^\circ 01' 07'' \times .88 \times .93 = 0^\circ 00' 53''$ ref.				
$81. 17m. 53a. - 41. 89m. 84a. = 39. 27m. 69a. = 3. 27m.$				
$81. 17m. 53a. - 41. 89m. 84a. = 39. 27m. 69a. = 3. 27m.$				
$38^\circ 17' 04. 8'' - 0^\circ 00' 27. 2'' = 37^\circ 16' 37'' = 56. 1''$				
$log. sin. 38^\circ 18' 38'' = 9. 8267353$ $log. cos. 34^\circ 38' 00'' = 9. 8192974$ $log. cos. 40^\circ 31' 30'' = 9. 8192928$ $\frac{9. 8267353}{9. 8192974} = 1.000000$ $\frac{9. 8192928}{9. 8192974} = 1.000000$				
$log. tan. 34^\circ 38' 00'' = 9. 8262375$ $log. tan. 40^\circ 31' 30'' = 9. 8262328$ $\frac{9. 8262375}{9. 8262328} = 1.000000$				
$cos. 0. = 1.000000$ $0. = 1. 87^\circ 31' 30''$ $87^\circ 24' 15''$ $\frac{1. 87^\circ 31' 30''}{87^\circ 24' 15''} = 1. 00^\circ 07' 15''$				

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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. 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. 344, STATE OF ARIZONA - PRESCOTT

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Area in unsurveyed sections 25 and 26.									
1-2	S. 2° 45' E.	15.07		15 05	0 72		66 32	999 17	
2-3	S. 37° 15' E.	14.33		11 41	8 67		75 80	864 88	
3-4	S. 66° 35' E.	27.86		11 07	25 57		110 07	1219 58	
4-5	S. 51° 50' E.	15.04		9 29	11 82		147 49	1370 18	
5-6	S. 30° 30' W.	8.01		6 90		4 07	155 25	1071 23	
6-7	N. 62° 49' W.	53.72	24 54			47 79	103 42	2536 89	
7-8	N. 56° 28' W.	33.41	18 46			27 85	27 83	513 46	
8-9	N. 31° 40' E.	12.33	10 49		6 47		6 47	67 87	
9-1	N. 89° 25' E.	26.35	0 27		26 35		39 30	10 61	
		206.12	53 76	53 72	79 60	79 71		3128 83	5525 04
			53 75	53 75	79 66	79 66			3128 83
	Closing error	1:1761						20)2396 21	119 81
Area in unsurveyed section 23.									
1-9	S. 89° 25' W.	26.35		0 27		26 35	26 37		6 33
9-10	N. 31° 40' E.	12.02	10 23		6 31		6 31	64 61	
10-11	N. 51° 48' E.	25.58	15 82		20 10		32 71	518 13	
11-1	S. 0° 02' W.	25.86		25 86		0 02	52 77	1363 58	
		89.81	26 05	26 13	26 41	26 37		582 74	1370 91
			26 08	26 08	26 40	26 40		582 74	582 74
	Closing error	1:1004.						20)788 17	39 41

75

80m H

APPROVAL

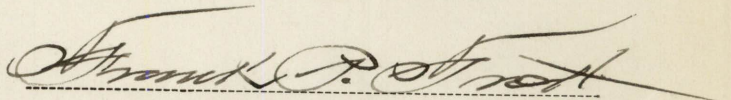
Office of the United States Surveyor General,

Phoenix, Arizona, April 30 , 1918

The foregoing field notes of Homestead Entry Survey No.

344

executed by Charles D. Hodson, Surveyor-Draftsman [Forest Service Title.]
under his special instructions, dated April 20 , 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.