

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUN 2- 1916
MAR 14 1918

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 345

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

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

Applicant for listing **John Myers,**

Residence **Skull Valley, Arizona**

Application No. **196** ✓ , dated **October 3** , 19**13** ✓

List No. **3-2939** ✓ , dated **December 6** , 19**13** ✓

Applicant for survey **Edward Contreras,** ✓

Residence **Skull Valley, Arizona**

H. E. No. **024980** ✓ , dated **April 27** , 19**14** ✓

Office
Land District **Phoenix, Arizona**

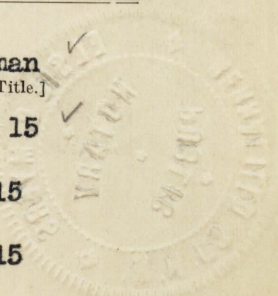
Survey executed by **Charles D. Hodson, Surveyor - Draftsman**
[Forest Service Title.]

Under special instructions dated **April 20** , 19**15**

Survey commenced **July 9** , 19**15**

Survey completed **July 10** , 19**15**

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



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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. **345**, 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. G. Baecht, Chairman

D. E. Meister, Chairman

Subscribed and sworn to before me this **10th** 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 3-2939, dated December 6, 1913, and a tract of
land upon the application of Edward Contreras,

Application, No. **285**, dated **April 21**, 19**16**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **345**,
situated within the **PRESCOTT** National Forest, in
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 *14th* day of

October, 19**15**.

Elmer C. Meyer

Notary Public



8-2349

My Commission expires April 30, 1918.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, John Myers; Application No. 196,
dated October 3, 1913; List No. 3-2939, dated December
6, 1913; H. E. 024980, made in the Phoenix Land Office
on April 27, 1914 by Edward Contreras.

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 list-
ed as a basis for amendment of his entry No. 024980.

Surveyed under special instructions from the Surveyor
General for Arizona, dated April 20, 1915, and desig-
nated as Homestead Entry Survey No. 345.

Situated in what will probably be, when surveyed, secs.
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 and March 4,
1915.

Survey commenced July 9, 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 deter-
mined with a clinometer. Horizontal distances only
appear in these notes.

July 9, 1915.

At 7h. 42m. 52s. am., l.m.t., I observe the altitude of
the sun for azimuth at the cor. to secs. 23, 24, 25
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 was set at zero and the sun
was observed in the lower left and upper right quad-
rants of the field. My watch is set for local mean

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains time. Lat. 34° 38' N., Long. 112° 38' 25" W. from
Special Instructions of the Surveyor General.
Telescope Horizontal Angle Vertical Angle
Direct 83° 15' 00" 32° 13' 30"
Reversed 82° 45' 00" 31° 50' 00"
Bearing of reference object N. 0° 21' 24" E.

At 7h. 44m. 21s. a.m., l.m.t., I again observe the alti-
tude of the sun at same station. The reading on the
reference object is set at zero and the sun was ob-
served in the lower left and upper right quadrants of
the field.

Telescope	Horizontal Angle	Vertical Angle
Direct	83° 26' 30"	32° 32' 00"
Reversed	82° 56' 00"	32° 09' 30"

Bearing of reference object N. 0° 22' 01" E. and from
the corresponding meridian all the courses of this
survey are deflected.

Beginning at the cor. to secs. 23, 24, 25 and 26, T. 15
N., R. 4 W., a granite stone 8 x 6 x 8 ins. above ground,
marked with 1 notch on E. edge and 2 notches on S. edge,
with no witnesses.

Thence West.

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

41.27 Fall 52 lks. N. of the 1/4 sec. cor. bet. secs. 23 and
26, a juniper post 3 x 3 x 18 ins. above ground, mark-
ed and witnessed as described by the Surveyor General.
Thence N. 89° 17' E.

On true line bet. secs. 23 and 26.

41.27 Intersect cor. to secs. 23, 24, 25 and 26, heretofore
described.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Beginning at cor. No. 1. Identical with cor. to secs. 23, 24, 25 and 26, a granite stone 8 x 6 x 8 ins. above ground, marked as previously described. I chisel a cross on top of this stone for exact point for cor. No. 1 of this survey, and alongside set a juniper post 36 x 6 x 6 ins., 24 ins. in the ground, over a small stone marked with a cross. I scribe 1 - H E S 345 on SW. face of post. No bearings available, therefore dig pits 36 x 24 x 12 ins. crosswise on line, W. 3 ft. and S. 53° 30' E., 8 ft. dist.; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor.

Lat. 34° 38' N., Long. 112° 38' 25" W., taken from the Surveyor General's special instructions, and later verified. Mag. decl. at 11h. 00m. a.m., 14° 55' E., mean mag. decl. 14° 56.6' E.

Thence S. 53° 30' E.

Fence along line. Desc. 15 ft.

5.00 Foot of desc., asc. 20 ft.

11.00 Top of asc., thence over level bench.

15.00 Asc: 15 ft.

23.31 To cor. No. 2.

Identical with cor. H-2 of the list survey, a granite boulder in place, 4 x 2 x 1-1/2 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor., chisel same stone + at the point and 2 - H E S 345 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., whence:

A granite boulder in place, 3 x 3 x 2 ft. above ground, marked with a cross (+) on top and 2 H E S 345 B R on the SE. face, bears N. 30°

Chains	<p>37' W., 8 lks. dist.</p> <p>An ash, 10 ins. dia., blazed and scribed</p> <p>2 H E S 345 + B T, bears S. 14° 00' W.,</p> <p>241 lks. dist.</p> <hr/> <p>Thence N. 88° 44' E.</p> <p>Fence along line.</p> <p>Asc. 10 ft. over SW. slope.</p> <p>6.30 Top of asc., desc. 20 ft. over E. slope.</p> <p>23.80 To cor. No. 3 at cor. of fence. Fence bears S. 88°</p> <p>44' W. and South.</p> <p>Identical with cor. H-3 of the list survey, a granite stone 12 x 5 x 10 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 24 x 12 x 6 ins., 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 345 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW. of cor., whence:</p> <p>A mulberry, 6 ins. dia., blazed and scribed</p> <p>3 H E S 345 + B T, bears N. 82° 08' E.</p> <p>96 lks. dist.</p> <p>A white oak, 5 ins. dia., blazed and scribed</p> <p>3 H E S 345 + B T, bears S. 17° 54' E.,</p> <p>117 lks. dist.</p> <hr/> <p>Thence S. 22° 11' E.</p> <p>0.15 Wash, 15 lks. wide, course SW.</p> <p>3.15 Asc. 40 ft. over NW. slope.</p> <p>8.00 Top of ridge, NE. and SW., desc. 40 ft. over S. slope.</p> <p>12.00 Foot of slope, bears E. and W.</p> <p>14.00 Enter level sand wash, course W.</p>
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PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains
18.00

Leave sand wash, enter scrub oak, bears E. and W.

Asc. 5 ft.

20.50

To cor. No. 4.

Identical with cor. H-4 of the list survey, a granite stone 10 x 5 x 6 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 24 x 10 x 4 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 345 on the NW. face.

No bearings available, therefore 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, NW. of cor.

July 9, 1915.

July 10, 1915.

Thence S. 78° 26' W.

Asc. 15 ft. in scrub oak on N. slope.

9.30 Fence, bears N. and S., thence along N. slope.

15.07 To cor. No. 5.

Identical with cor. H-5 of the list survey, a granite boulder in place 4 x 3 x 3 ft. above ground, marked and witnessed as described by the Forest Service. I

destroy all trace of the list cor., chisel same stone + at the point and 5 - H E S 345 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW.

of cor., whence:

A granite boulder in place, 3 x 3 x 2-1/2 ft.

above ground, marked with a cross on top and

5 H E S 345 B R on ESE. face, bears N. 75°

16' W., 63 lks. dist.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains No other bearings available. Pits impracticable.
18.00 Leave sand wash, enter scrub oak, bears E. and W.

Thence S. 0° 40' W.

Asc. 20 ft. through scrub oak on N. slope.

2.20 Edge of ridge bears E. and W., thence over flat.

6.00 Edge of ridge, bears E. and W., desc. 40 ft. over S. slope.

15.00 Foot of ridge, bears E. and W.

15.85 Fence cor., fences bear NNE. and S. along line.

NE. cor. of corral, 100 ft. square, the sides of which extend in cardinal directions, bears S. 45° W., 2.50 chs. dist.

25.20 Wash, 20 lks. wide, 2 ft. deep, course W.

27.20 Wash, 30 lks. wide, 3 ft. deep, course NW.

29.50 Fence cor., fences bear N. and W. along line.

29.53 To cor. No. 6.

Identical with cor. H-6 of the list survey, a granite stone 8 x 6 x 10 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 24 x 8 x 6 ins., 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point; 6 - H E S 345 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., whence:

A black oak, 24 ins. dia., blazed and scribed 6 H E S 345 + B T, bears N. 3° 06' E., 259 lks. dist.

No other bearings available. Pits impracticable.

Thence S. 85° 29' W.

Over level unlisted land. Fence along line inside claim.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains
 5.00 Desc. 10 ft.
 9.00 Wash, 10 lks. wide, course NW.
 11.90 Fence cor., fences bear E. and NW. along line.
 12.03 To cor. No. 7.
 A malpais stone 24 x 12 x 5 ins., 14 ins. in the ground
 over a small stone marked with a cross. I chisel a
 cross at the point and 7 - H E S 345 on the N. face;
 and raise a mound of stone 2 ft. base, 1-1/2 ft. high,
 N. of cor., whence:
 A walnut, 18 ins. dia., blazed and scribed
 7 H E S 345 + B T, bears N. 70° 16' E.,
 122 lks. dist.
 A black oak, 16 ins. dia., blazed and scribed
 7 H E S 345 + B T, bears S. 39° 05' E.,
 144 lks. dist.
 Cor. H-7 of the list survey, a black oak 14 ins.
 dia., marked and witnessed as described by
 the Forest Service, bears N. 37° 21' W.,
 3.88 chs. dist. I destroy all trace of this
 list cor.
 Thence N. 59° 22' W.
 Desc. 15 ft. through scrub oak at foot of NE. slope.
 Fence along line inside claim.
 23.87 To cor. No. 8, at cor. fence, fence bears SE. and NE.
 along claim lines.
 Identical with cor. H-8 of the list survey, a malpais
 stone 12 x 5 x 8 ins. above ground, marked and wit-
 nessed as described by the Forest Service. I destroy
 all trace of the list cor. and at this point set a
 malpais stone 24 x 8 x 4 ins., 14 ins. in the ground,
 over a small stone marked with a cross. I chisel a

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>a cross at the point and 8 - H E S 345 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor., whence: A walnut 10 ins. dia., blazed and scribed 8 H E S 345 + B T, bears N. 82° 56' E., 348 lks. dist. A walnut 16 ins. dia., blazed and scribed 8 H E S 345 + B T, bears N. 51° 04' E., 243 lks. dist. Cor. No. 6 of H. E. S. No. 344, a granite stone 12 x 10 x 10 ins. above ground, marked with a cross on top and 6 H E S 344 on NW. face, with mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor., bears S. 64° 45' W., 115 lks. dist.</p> <hr/> <p>Thence N. 31° 22' E. Over listed land. Fence along line inside claim. 1.00 Wash, 50 lks. wide, bears WNW., thence over level land. 7.02 To cor. No. 9. Identical with cor. H-9 of the list survey, a malpais stone 14 x 8 x 8 ins. above ground, marked and wit- nessed as described by the Forest Service. I destroy all trace of the list cor. and at this point set a malpais stone 24 x 12 x 6 ins., 14 ins. in the ground, over a small stone marked with a cross. I chisel a cross at the point and 9 - H E S 345 on the SE. 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. base, 2 ft. high, SE. of cor., whence: Cor. No. 5 of H. E. S. No. 344, a granite stone 14 x 8 x 12 ins. above ground, marked with a cross on top and 5 - H E S 344 on SW. face,</p>
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PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains
 with pits 24 x 24 x 12 ins. N. 51° 50' W.
 and S. 30° 30' W., 7 ft., and mound of stone
 and earth 5 ft. base, 2 ft. high, SW. of cor.,
 bears N. 55° 53' W., 75 lks. dist.

Thence S. 79° 04' E.
 Along foot of S. slope.
 0.03 Fence, bears SW., along line and NE.
 19.58 To cor. No. 10.

Identical with cor. H-10 of the list survey, a malpais
 stone 12 x 6 x 16 ins. above ground, marked and wit-
 nessed as described by the Forest Service. I destroy
 all trace of the list cor. and at this point set a
 malpais 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 10 - H E S 345 on the SE. face;
 and raise a mound of stone 2 ft. base, 1-1/2 ft. SE.
 of cor., whence:

A walnut, 6 ins. dia., blazed and scribed
 10 H E S 345 + B T, bears S. 57° 32' W.,
 161 lks. dist.
 A walnut, 10 ins. dia., blazed and scribed
 10 H E S 345 + B T, bears S. 17° 54' E.,
 282 lks. dist.

Thence N. 0° 10' E.
 Asc. 30 ft. through scrub oak on S. slope.
 2.40 S. edge of ridge, bears NE. and W., thence over rolling
 ground.

18.20 Edge of ridge, bears SE. and NW. Desc. 30 ft.

21.31 To cor. No. 11.
 Identical with cor. H-11 of the list survey, a granite
 stone 12 x 8 x 10 ins. above ground, marked and wit-

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains . witnessed 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 6 ins., 14 ins. in the ground,
 over a small stone marked with a cross. I chisel a
 cross at the point and 11 - H E S 345 on the NE. 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, NE. of cor., whence:

An ash, 6 ins. dia., blazed and scribed

11 H E S 345 + B T, bears N. 53° 12' E.,

139 lks. dist.

Thence N. 60° 37' W.

Along foot of NE. slope at edge of cultivated land.

10.00 Fence cor., fences bear SW. to cor. No. 9 and NW. along

60.49 To cor. No. 12 and C. C. on line bet. secs. 23 and 26.

At cor. fence, fence bears SE. and East along lines.

Identical with cor. H-12 of the list survey, a granite
 stone 6 x 4 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 24 x 8 x 8 ins., 14 ins. in the ground, over a
 small stone marked with a cross. I chisel a cross at
 the point, 12 - H E S 345 on the ESE. face and C C on

the SE. face; dig pits 36 x 24 x 12 ins. crosswise on
 line S. 60° 37' E. of cor. 8 ft. and W. 3 ft.; and

raise a mound of earth 5 ft. base, 2 ft. high, S. 60°
 37' E. of cor., 3-1/2 ft. dist.

The 1/4 sec. cor. bet. secs. 23 and 26, hereto-

fore described, bears S. 89° 17' W., 14.15

dist.

The cor. to secs. 23, 24, 25 and 26, heretofore

HOMESTEAD ENTRY SURVEY NO. 345

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11.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

described, and cor. No. 1 of this survey,
bears N. 89° 17' E., 27.12 chs. dist.

Thence N. 89° 17' E.

Desc. 5 ft. over open ground; fence along line.

8.00 Wash, 20 lks. wide, 3 ft. deep, course NW.

8.80 Road, bears NW. and SE.

18.50 Asc. 20 ft. in scrub oak on SW. slope.

24.30 Top of asc., proceed along S. slope.

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

July 10, 1915.

AREA

Area of listed land	151.72 acres
Area of unlisted land	3.68 acres
Total Area	155.40 acres

IMPROVEMENTS

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

A frame house 32 x 28 ft., the long side extending N. and S. and the SE. cor. of which bears from cor. No. 5, N. 36° 05' W., 8.01 chs. dist.

Value ----- \$800.00

A frame barn, 36 x 24 ft., the long side extending N. and S. and the SE. cor. of which bears from cor. No. 5, North, 3.26 chs. dist.

Value ----- \$300.00

A frame house, 28 x 24 ft., the long side extending ENE. and WSW. and the S. cor. of which bears from cor. No. 5, N. 70° 58' E., 2.76 chs. dist.

Value ----- \$800.00

Chains Approximately 3 miles of wire fence.
Value ----- \$375.00

A post corral, mentioned on line 5 - 6.
Value ----- \$50.00

A stock water tank, capacity 2 acre ft., the dam 15 ft. high at the center, crown 8 ft. wide, bearing N. 40° E., 3.00 chs. from the SW. end; which bears from cor. No. 7, N. 50° W., 1.95 chs. dist.
Value ----- \$150.00

DESCRIPTION

This claim is located on two different washes which join about one mile west of the claim, and is divided by a rough brushy ridge running east and west.

The south arm of the claim is covered with a growth of large oak with some walnut timber interspersed. The soil is a rich silt loam and when cleared will produce good crops of dry farm products. The north arm which extends in a northwesterly direction, has always been open land, composed of a rich sandy loam and produces excellent crops.

Water for domestic and stock purposes is hauled from a spring about 2 miles east of the claim. Some stock water is obtained from the tank near cor. No. 7. The rainfall is depended upon to raise crops.

There is no timber of commerical value upon the claim. 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 of Guy Davis, H. E. S. No. 344, lies to

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PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

the west of this claim and is separated by a small hiatus left for a stock driveway.

Skull Valley, the nearest post office and railroad point, is 9 miles in a southerly direction and is reached by good wagon road. Prescott, the nearest market, is 10 miles in an easterly direction and is reached by poor wagon road.

TRAVERSE

Course	Dist.	N	S	E	W
S. 53° 30' E.	23.31		13.86 ✓	18.74 ✓	
N. 88° 44' E.	23.80	0.53 ✓		23.79 ✓	
S. 22° 11' E.	20.50		18.98 ✓	7.74 ✓	
S. 78° 26' W.	15.07		3.02	14.76	14.76
S. 0° 40' W.	29.53		29.53		0.34 ✓
S. 85° 29' W.	12.03		0.95 ✓		11.99 ✓
N. 59° 22' W.	23.87	12.16 ✓			20.54
N. 31° 22' E.	7.02	5.99 ✓		3.65 ✓	
S. 79° 04' E.	19.58		3.71 ✓	19.22 ✓	
N. 0° 10' E.	21.31	21.31 ✓		.06	.06
N. 60° 37' W.	60.49	29.60			52.71
N. 89° 17' E.	27.12	0.34 ✓		27.12	
	<u>283.63</u>	<u>70.01</u>	<u>70.05</u>	<u>100.32</u>	<u>100.34</u>
			<u>70.01</u>	<u>100.30</u>	<u>100.32</u>
Error in Lat. and Dep.			.04	.02	.02

Closing error 1:6347.

Survey completed July 10, 1915.

Charles D. Hodson

Surveyor - Draftsman

NATIONAL FOREST

STATE OF ARIZONA

Chains

the west of this claim and is separated by a small
 distance left for a stock driveway.
 Skull Valley, the nearest post office and railroad
 point, is 9 miles in a southerly direction and is
 reached by good wagon road. Prescott, the nearest
 market, is 10 miles in an easterly direction and is
 reached by poor wagon road.

TRAVELER

Course	Dist.	N	S	E	W
S. 23° 30' E.	23.21		13.88	18.74	
N. 88° 44' E.	23.80	0.23		23.79	
S. 22° 11' E.	20.50		18.98	7.74	
S. 78° 28' W.	15.07		3.02	14.78	
S. 0° 40' W.	22.53		22.53		0.24
S. 25° 29' W.	12.03		0.98		11.99
N. 59° 22' W.	22.87	12.16			20.54
N. 21° 22' E.	7.02	2.99			3.65
S. 79° 04' E.	12.58		3.71	19.22	
N. 0° 10' E.	21.21	21.21			0.08
N. 20° 37' W.	20.42	22.59			22.71
N. 89° 14' E.	27.12	0.24		27.12	
<hr/>					
Error in Lat. and Dep.			0.04		0.02
Closing error 1:2342					

Survey completed July 10, 1915.

Charles P. ...

Surveyor - Draftsman

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Chains

Direct Solar Obsn. of July 9, 1915

at cor. No. 1 of H. E. S. 345.

Lat. 34° 38' N. Long. 112° 38' 25" W. - 7h. 30m. 34s.

Elev. 4850 ft. - .85 Temp. 70°F. - .96

Position Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	7h. 42m. 30s.	83° 15' 00"	32° 13' 30"
Reversed	7h. 43m. 14s.	82° 45' 00"	31° 50' 00"
Mean	7h. 42m. 52s. ✓	83° 00' 00" ✓	32° 01' 45" ✓

0° 01' 32" x .85 x .96 - 0° 01' 15" ref. Alt. 01' 15" ✓
32° 00' 30" ✓

12h. - 7h. 30m. 34s. - 4h. 29m. 26s.
7h. 42m. 52s. - 4h. 29m. 26s. - 3h. 13m. 26s. - 3.224h.
22° 28' 12.4" - 0° 00' 55.4" - 22° 27' 17" decl.

log. sin. 22° 27' 17" - 9.5820102 ✓
log. cos. 34° 38' 00" - 9.9152974 ✓
log. cos. 32° 00' 30" - 9.9283810 ✓
9.8436784
9.7383318 - log. .547434 ✓

log. tan. 34° 38' 00" - 9.8392975 ✓
log. tan. 32° 00' 30" - 9.7959298 ✓
9.6352273 - log. .431745 ✓

Cos. Q. - .115689 ✓

Q. - N. 83° 21' 24" E.
83° 00' 00"

Bearing of Reference Object, N. 0° 21' 24" E.

Position Telescope	l.m.t.	Horizontal Angle	Vertical Angle
Direct	7h. 44m. 00s.	83° 26' 30"	32° 32' 00"
Reversed	7h. 44m. 42s.	82° 56' 00"	32° 09' 30"
Mean	7h. 44m. 21s. ✓	83° 11' 15" ✓	32° 20' 45" ✓

0° 01' 31" x .85 x .96 - 0° 01' 14" ref. Alt. 01' 14" ✓
32° 19' 31" ✓

log. sin. 22° 27' 17" - 9.5820102 ✓
log. cos. 34° 38' 00" - 9.9152974 ✓
log. cos. 32° 19' 31" - 9.9268701 ✓
9.8421675
9.7398427 - log. .54934 ✓

log. tan. 34° 38' 00" - 9.8392975 ✓
log. tan. 32° 19' 31" - 9.8012606 ✓
9.6405581 - log. .43708 ✓

Cos. Q. - .11226

Q. - N. 83° 33' 16" E.
83° 11' 15"

Bearing of Reference Object, N. 0° 22' 01" E.

STATE OF ARIZONA NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

Direct Solar Obs. of July 9, 1916

at cor. No. 1 of E. A. S. 34d.

Bar. 34° 58' H. Temp. 112° 35' W. - 7h. 30m. 64s.

Bar. 4880 ft. - 83 Temp. 70° 7' - 30

Vertical Angle	Horizontal Angle	I.M.S.	Position Telescope
32° 11' 30"	83° 18' 00"	7h. 43m. 20s.	Direct
31° 50' 00"	82° 45' 00"	7h. 43m. 14s.	Reversed
32° 01' 45"	83° 00' 00"	7h. 43m. 53s.	Mean
01' 15"	0° 01' 15" ref.	0° 32" x .85 x .95	
32° 00' 30"	Alt.		

7h. 43m. 24s. - 7h. 30m. 64s. - 4h. 53m. 55s.
 7h. 43m. 53s. - 4h. 53m. 55s. - 3h. 13m. 55s. - 3. 32h. 32'
 32° 38' 12.4" - 0° 00' 55.4" - 32° 37' 14" decl.

log. sin. 32° 27' 17"	-	9.8380103
log. cos. 34° 58' 00"	-	9.9132974
log. cos. 32° 00' 30"	-	9.9233310
<hr/>		
log. tan. 34° 58' 00"	-	9.8389378
log. tan. 32° 00' 30"	-	9.7332378
<hr/>		
log. 3. -		1.3889

log. 3. - 1.3889
 9. - 1. 83° 21' 24" E.
 83° 00' 00"
 1. 0° 21' 24" E.

Bearing of Reference Object

Vertical Angle	Horizontal Angle	I.M.S.	Position Telescope
32° 01' 30"	83° 28' 30"	7h. 44m. 00s.	Direct
32° 01' 30"	82° 55' 00"	7h. 44m. 43s.	Reversed
32° 20' 45"	83° 11' 15"	7h. 44m. 21s.	Mean
01' 14"	0° 01' 14" ref.	0° 31" x .85 x .95	
32° 19' 31"	Alt.		

log. sin. 32° 27' 17"	-	9.8380103
log. cos. 34° 58' 00"	-	9.9132974
log. cos. 32° 19' 31"	-	9.9233310
<hr/>		
log. tan. 34° 58' 00"	-	9.8389378
log. tan. 32° 19' 31"	-	9.8013608
<hr/>		
log. 3. -		1.3889

log. 3. - 1.3889
 9. - 1. 83° 21' 16" E.
 83° 11' 15"
 1. 0° 21' 01" E.

Bearing of Reference Object

DIRECTIONS.—1. Carry out calculations to two decimals only.
2. In balancing Latitudes and Departures do not obliterate or change the original figures. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

The corrections for balancing fallings should be proportional to the lengths of the lines.
3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.
4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 345, STATE OF ARIZONA. — Edward Contreras.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 53° 30' E.	23.31	0 53	13 86	18 74	72 98	1011	50	
2-3	N. 88° 44' E.	23.80			23 79	115 51	61 22		
3-4	S. 22° 11' E.	20.50		18 98	7 74	147 04	2790	82	
4-5	S. 78° 26' W.	15.07		3 02		140 02	422	86	
5-6	S. 0° 40' W.	29.53		29 53		124 92	3688	89	
6-7	S. 85° 29' W.	12.03		0 95		112 59	106	96	
7-8	N. 59° 22' W.	23.87	12 16			80 06	973 53		
8-9	N. 31° 22' E.	7.02	5 99		3 65	63 17	378 39		
9-10	S. 79° 04' E.	19.58		3 71	19 22	86 04	319	21	
10-11	N. 0° 10' E.	21.31	21 31		0 06	105 32	2244	37	
11-12	N. 60° 37' W.	60.49	29 69		52 71	52 69	1565	42	
12-1	N. 89° 17' E.	27.12	0 34		27 12	27 12	9 22		
		283.63	70 01	70 05	100 32	100 34	5232	24	
			70 05	70 05	100 32	100 34	5232	15	
							207 3108	09	
							155	40	
Closing error 1:6347									

97

F.P.T.

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

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 345, STATE OF ARIZONA, Unlisted Area

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
	S. 85° 29' W.	12.03	12 16	95		11 99	53 07		50 42	
	N. 59° 22' W.	23.87				20 54	20 54	242 77		
	S. 63° 27' E.	20.33		9 09	18 19		18 19		165 35	
	S. 81° 35' E.	14.50		2 12	14 34		50 72		107 53	
			12 16	12 16	32 53	32 53			323 30	
									249 77	
									20 73 53	
									3 68	

APPROVAL

Office of the United States Surveyor General,

Phoenix, Ariz., April 30, 1918

The foregoing field notes of Homestead Entry Survey No.

345

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.

Frank P. Troff

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the
above-described survey in the State of _____, has been
correctly copied from the original notes on file in this office.

Frank P. Troff

U. S. Surveyor General.