

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAY 1 - 1916

MAY 14 1918

3580dd

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 351

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 25 , unsurveyed, Township 17 N., Range 5 W.

In Section 26 , unsurveyed, Township 17 N., Range 5 W.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

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Applicant for listing **W. H. Ainsworth,**

Residence **Simmons, Arizona.**

Application No. **152** , dated **October 24** , 19**12**

List No. **3-2312** , dated **February 21** , 19**13**

Applicant for survey **Joseph G. Estes,**

Residence **Simmons, Arizona**

H. E. No. **025234** , dated **June 3** , 19**14**

Land District **Phoenix, Arizona**

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

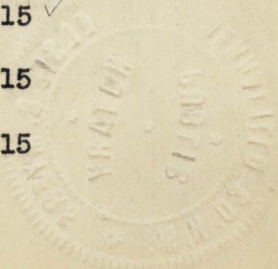
Under special instructions dated **April 20** , 19**15**

Survey commenced **July 16** , 19**15**

Survey completed **July 17** , 19**15**

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

100 2352



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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. **351**, 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.

W. S. Baechtle, Chairman
Douglas E. Meister
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 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 No. 3-2312, dated February 21, 1913, and a tract
of land upon the application of Joseph G. Estes,

Application, No. **283**, dated **March 31**, 19**16**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **351**,
situated within the **PRESCOTT** National Forest, in
unsurveyed Section **25**, Township **17 N.**, Range **5 W.**, and
unsurveyed Section **26**, Township **17 N.**, Range **5 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 *1st* day of
October, 19**15**.

Elsie E. Meyer

Notary Public



8-2349

My Commission expires April 30, 1918.

PRESCOTT NATIONAL FOREST

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Chains Applicant for listing, W. H. Ainsworth; Application No. 152, dated October 24, 1912; List No. 3-2312, dated February 21, 1913; H. E. 025234, made in the Phoenix Land Office on June 3, 1914 by Joseph G. Estes.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 025234.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 20, 1915 and designated as Homestead Entry Survey No. 351.

Situated in what will probably be, when surveyed, secs. 25 and 26, T. 17 N., R. 5 W., Gila and Salt River Base and Meridian in the Prescott National Forest, Arizona.

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

Survey commenced July 16, 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 a 500 link steel tape. The slope angles were determined with a clinometer.

July 16, 1915.
At 10h. 33m. 42s. p.m., l.m.t., I observe Polaris with telescope direct, at cor. H-1 of the list survey and what will be cor. No. 1 of this survey, and mark my line of sight with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. My watch is set

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Chains for local mean time. Lat. $34^{\circ} 50' 29''$ N. Long. $112^{\circ} 44' 43''$ W. from Surveyor's General's Special instruction.
 Greenwich m.t. U.C. Pol.; July 17, 1915, 5h. 53.4m.a.m.
 Corr. for Long. 1.2m.
 1.m.t. U.C. Pol., July 17, 1915, 5h. 52.2m.a.m.
 12h. - 10h. 33.7m. = 1h. 26.3m.
 Time Argument and Hour Angle, 7h. 18.5m.
 Azimuth of Pol. at obsn., $1^{\circ} 18' 54''$ E.
 At 11h. 00m. 30s. p.m., 1.m.t., I again observe Polaris with telescope reversed, and mark my line of sight with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.
 Greenwich m.t. U.C. Pol., July 17, 1915, 5h. 53.4m.a.m.
 Corr. for Long. 1.2m.
 1.m.t. U.C. Pol., July 17, 1915, 5h. 52.2m.a.m.
 12h. - 11h. 00.5m. = 59.5m.
 Time Argument and Hour Angle, 6h. 51.7m.
 Azimuth of Pol. at obsn., $1^{\circ} 21' 42''$ E.
 July 16, 1915.

July 17, 1915.

At 7h. 00m. a.m., 1.m.t., at cor. No. 1, I lay off $1^{\circ} 19'$ to the W. of my line of sight of last night's (first) obsn. and mark the line with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. I also lay off $1^{\circ} 21' 30''$ to the West of my line of sight of last night's (second) obsn., which falls $1/2$ in. E. of the point determined by deflection from line of sight of first obsn. I mark the mean of the two points and from the meridian thus established all the courses of this survey are deflected.

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Chains

At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 50' 30''$ N. on the lat. arc, $21^{\circ} 20' 32''$ N. on the decl. arc and determine a meridian with the solar. The meridian thus determined falls $0^{\circ} 00' 30''$ E. of the meridian determined by obsn. on Pol. S-H.

Beginning at cor. No. 1. Under fence, bears NE. and SW. Identical with cor. H-1 of the list survey, a granite stone 12 x 10 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 12 x 10 ins., 14 ins. in the ground, over broken glass. I chisel a cross at the point and 1 - H E S 351 on the N. face; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, N. of cor., whence:

An oak, 12 ins. dia., blazed and scribed
1 H E S 351 + B T, bears S. $33^{\circ} 40'$ E.,
38 lks. dist.

A walnut, 8 ins. dia., blazed and scribed
1 H E S 351 + B T, bears S. $71^{\circ} 06'$ W.,
129 lks. dist.

S. C. secs. 35 and 36, T. 17 N., R. 5 W.,
a malpais stone 14 x 10 x 10 ins. above
ground, marked and witnessed as described

by the Surveyor General, bears S. $0^{\circ} 19'$
 $43''$ W., 132.32 chs. dist., by traverse
which appears at the end of these notes.

Lat. $34^{\circ} 50' 29''$ N., Long. $112^{\circ} 44' 43''$ W., obtained
from the instructions of the Surveyor General, and
later verified.

Mag. decl. at 7h. 50m. a.m., l.m.t., $14^{\circ} 50'$ E.

Mean Mag. decl. $14^{\circ} 45.8'$ E.

Chains Thence N. 78° 42' W.
 Through scattering walnut timber, over level bottom
 land.
 14.19 To cor. No. 2.
 Identical with cor. H-5 of the list survey, a granite
 stone 12 x 6 x 12 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 28 x 16 x 12 ins., 18 ins. in the ground, over
 broken glass. I chisel a cross at the point and
 2 - H E S 351 on the NE. face; and raise a mound of
 stone 2 ft. base, 1-1/2 ft. high NE. of cor., whence:
 A juniper, 7 ins. dia., blazed and scribed
 2 H E S 351 + B T, bears S. 22° 22' W.,
 69 lks. dist.
 An oak, 6 ins. dia., blazed and scribed
 2 H E S 351 + B T, bears S. 53° 11' E.,
 107 lks. dist.

Thence N. 28° 00' W.
 Along fence, through scattering oak and juniper
 at foot of NE. slope.
 12.74 To cor. No. 3.
 Under fence, bears NW. and SE.
 Identical with cor. H-4 of the list survey, a granite
 stone 12 x 10 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
 granite stone 28 x 12 x 10 ins., 18 ins. in the ground,
 over a small stone marked with a cross. I chisel a
 cross at the point and 3 - H E S 351 on the ESE. face;
 and raise a mound of stone 3 ft. base, 2 ft. high, ESE.
 of cor., whence:

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A juniper, 24 ins. dia., blazed and scribed
3 H E S 351 + B.T., bears S. 35° 38' E.,
117 lks. dist.

A white oak, 6 ins. dia., blazed and scribed
3 H E S 351 + B.T., bears S. 17° 44' W.,
15 lks. dist.

Cor. No. 5 of H E S 352 a granite stone 10 x 8 x 10 ins.
above ground marked + on top and 5 H E S 352 on W. face
with mound of stone 2 ft. base 1-1/2 ft. high W. of cor.
bears N. 68° 30' W. 5.98 chs. by traverse which appears
at the end of these notes.

At cor. No. 1 at 12h. 00m., noon apparent time, I set off
21° 18' N. of the decl. arc and observe the sun on the
meridian. The resulting latitude is 34° 50' 30" N.

Return to cor. No. 3.

Thence N. 85° 34' E.

Along fence, leave listed land. Through scrub oak
over level bottom land.

5.00 Hit Wash, 50 lks. wide, banks 2 ft. high, course SE.

Asc. 30 ft. on SW. slope of ridge.

6.70 Fence bears SE. and along line.

13.00 Top of asc., thence along S. slope of ridge.

25.00 Desc. 20 ft. along SE. slope.

30.00 Enter level land.

31.10 Fence cor., fences bear westerly along line and South.

36.47 To cor. No. 4.

Identical with cor. H-2 of the list survey, a granite
stone 14 x 12 x 6 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
sandstone 24 x 8 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 351 on the SW. face; and
raise a mound of stone 2 ft. base, 1-1/2 ft. high, SW.

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Chains of cor., whence:

A juniper, 8 ins. dia., blazed and scribed
4 H E S 351 + B T, bears S. 74° 13' E.,
58 lks. dist.

A walnut, 6 ins. dia., blazed and scribed
4 H E S 351 + B T, bears S. 20° 10' W.,
57 lks. dist.

Cor. H-3 of the list survey, a granite stone 8 x
6 x 10 ins. above ground, marked and witnessed
as described by the Forest Service, bears S.
79° 13' W., 21.82 chs. dist. I destroy all
trace of this list cor.

At 3h. 00m. p.m., l.m.t., I set off 34° 50' 30" N. on
the lat. arc, 21° 17' N. on the decl. arc and deter-
mine a meridian with the solar.

Thence S. 20° 00' E.

Over unlisted land. Desc. 10 ft. over S. slope.

1.75 Hit Wash, banks 5 ft. high, course E.

8.05 Leave Hit wash, banks 3 ft. high, course ENE. Asc.
2 ft. through scattering juniper and walnut on bottom
land.

14.99 To cor. No. 5.

Set a granite stone 26 x 16 x 12 ins., 16 ins. in the
ground, over a small stone marked with a cross. I
chisel a cross at the point and 5 - H E S 351 on the
WNW. 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, WNW. of cor.,
whence:

A pinon, 6 ins. dia., blazed and scribed
5 H E S 351 + B T, bears N. 34° 30' W.,
61 lks. dist.

A juniper, 16 ins. dia., blazed and scribed
5 H E S 351 + B T, bears N. 27° 53' E.,

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33 lks. dist.

Thence S. 82° 47' W.

Through scattering juniper and walnut over level bottom land.

21.80

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

AREA

Area of listed land - - - - - 30.90 acres

Area of unlisted land - - - - - 20.32 acres

Total area - - - - - 51.22 acres

IMPROVEMENTS

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

A tent cottage 14 x 12 ft., the long side extending E. and W. and the NE. cor. of which bears from cor. No. 4, S. 70° 02' W., 23.91 chs. dist.

Value ----- \$ 75.00

Approximately 1 mile of wire fence.

Value ----- \$100.00

DESCRIPTION

This claim is situated on bottom land along Hit Wash, an intermittent stream which traverses the claim from W. to E.

The bottom land is a rich sandy loam which is sub-irrigated and produces good crops of corn, grain hay and potatoes.

Approximately 1/4 of the area was under cultivation at the time of survey. The remainder of the bottom land which comprises about 1/2 of the claim, is covered with

Chains

a scattering growth of juniper and walnut. This timber has no commercial value on account of the distance from a market.

Water for stock and domestic purposes is obtained from water holes in Hit Wash.

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

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

H. E. S. No. 350, C. E. Stewart claimant, lies about 1/2 mile east of this claim.

Simmons, the nearest post office, is approximately 8 miles to the East. Prescott, the nearest railroad and market point, is approximately 31 miles in a southeasterly direction and is reached by good wagon road.

TRAVERSE

Traverse S. C. secs. 35 and 36 to cor. No. 1.

Course	Dist.	N	S	E	W
S. 89° 50' E.	80.23		0.23	80.23	
North	151.33	151.33			
S. 39° 33' W.	3.27		2.52		2.08
S. 81° 51' W.	4.22		0.60		4.18
N. 70° 16' W.	7.46	2.52			7.02
S. 69° 54' W.	5.00		1.72		4.70
S. 81° 54' W.	30.35		4.28		30.05
S. 88° 00' W.	11.84		0.41		11.83
N. 31° 37' W.	5.93	5.05			3.11
S. 20° 00' E.	14.99		14.08	5.13	
S. 82° 47' W.	21.80		2.74		21.63
		158.90	26.58	85.36	84.60
		26.58		84.60	
		132.32		0.76	

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Therefore the S. C. secs. 35 and 36, bears S. 0° 19' 45" W., 132.32 chs. dist.

TRAVERSE

Course	Dist.	N	S	E	W
N. 78° 42' W.	14.19	2.78 ✓			13.91 ✓
N. 28° 00' W.	12.74	11.25 ✓			5.98 ✓
N. 85° 34' E.	36.47	2.82 ✓		36.36 ✓	
S. 20° 00' E.	14.99		14.08 ✓	5.13 ✓	
S. 82° 47' W.	21.80		2.74 ✓		21.63 ✓
	100.19	16.85	16.82	41.49	41.52
		<u>16.82</u>			<u>41.49</u>

Error in Lat. and Dep. .03 .03

Closing error 1:2362. ✓

Survey completed July 17, 1915.

Charles D. Hodson

Surveyor - Draftsman

Chains

Therefore the S. C. sec. 36 and 38, bears S. 0° 12' 10" W. 132.32 chs. dist.

TRAVELER

Course	Dist.	N	S	E	W
N. 78° 43' W.	14.19	2.78			13.91
N. 28° 00' W.	12.74	11.22			5.98
N. 88° 24' E.	36.47	2.82		36.36	
S. 20° 00' E.	14.99		14.08	2.13	
S. 82° 47' W.	81.80		2.74		81.82
		100.19	16.82	16.82	41.49
		100.19	16.82	16.82	41.49

30.

Error in lat. and Dep. . 03

Closing error 1.2352.

Survey completed July 17, 1912.

Charles H. Johnson

Surveyor - District

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. 351, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	N. 78° 42' W.	14.19	2 78			13 91	25 87	71 92			
2-3	N. 28° 00' W.	12.74	11 25			5 98	5 98	67 28			
3-4	N. 85° 34' E.	36.47	2 82		36 36		36 38	101 86			
4-5	S. 20° 00' E.	14.99		14 08	5 13		77 89		1096 69		
5-1	S. 82° 47' W.	21.80		2 74		21 63	61 40		168 85		
		100.19	16 85	16 82	41 49	41 52		241 06	1265 54		
			16 83	16 83	41 51	41 51			241 06		
	Closing error 1:2362								20) 1024 48		
	Tie to Cor. No. 5 H E S 352								51 22 acres.		
	N. 16° 56' E.	2.43	2 32		71						
	S. 88° 48' W.	6.27		13		6 27					
			2 32	13	71	6 27					
			13			71					
	N. 68° 30' W.	5.98	2 19			5 56					

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EMH

APPROVAL

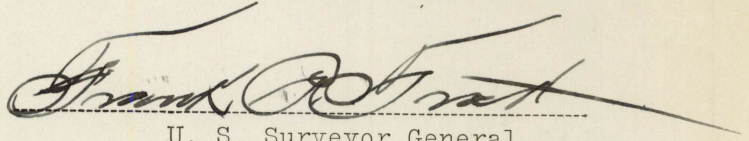
Office of the United States Surveyor General,

Phoenix, Arizona, June 10, 1918

The foregoing field notes of Homestead Entry Survey No.

351

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.