

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

33

AUG 2 - 1915

JAN 22 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 133

SITUATED IN THE

..... TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 29, unsurveyed, Township 11½ N, Range 8 E

Section 30, unsurveyed, Township 11½ N, Range 8 E

of the

Gila and Salt River Base and Meridian.

Arizona

Survey executed by W. H. Finigan, Forest Service Surveyor

Under special instructions dated November 29, 1913

Survey commenced February 1, 1914

Survey completed February 2, 1914

Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing William A. Hunt

Residence Pine, Arizona

Application No. 209, dated March 20, 1910

List No. 3-905, dated December 8, 1910

Applicant for survey William A. Hunt

Residence Pine, Arizona

H. E. No. 014420, dated June 29, 1911

Land district Phoenix, Arizona

OATH OF ASSISTANTS

We hereby certify that we assisted W. H. Finigan,
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 133, in
unsurveyed Section 29, Township 11 1/2 N, Range 8 E,
unsurveyed Section 30, Township 11 1/2 N, Range 8 E,

of the G. & S. R. B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished by the United States Surveyor General for Arizona.

L. Vernon Slovaker
W. Baecht

Chainman
Chainman

Subscribed and sworn to before me this 25th day of
March, 1914.

*Commission Expires
Feb 26th 1914*

Henry A. Randall
Notary Public

OATH OF SURVEYOR

I, W. H. Finigan, Forest Service surveyor, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
November 29, 1913, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land ~~upon the application of~~ embraced in
List, No. 3-905, dated December 8, 1910, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 133,
situated within the TONTO National Forest, in
unsurveyed Section 29, Township 11 1/2 N, Range 8 E, and
unsurveyed Section 30, Township 11 1/2 N, Range 8 E,

of the G. & S. R. B. & 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 perpet-
uated in strict accordance with the stated special instruc-
tions, and in the specific manner described in the field
notes, and that the following are the original field notes
of such survey.

W. H. Finigan
Forest Service Surveyor

Subscribed and sworn to before me this 22nd day of
April, 1914.



My Commission expires Oct. 16th, 1915. Cleora B. Holmes
Notary Public Bernalillo County, N.M.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, William A. Hunt, Application No.

209, dated March 20, 1910; List No. 3-905, dated

December 8, 1910; H. E. No. 014420, dated June 29,

1911, made by William A. Hunt at Phoenix, Arizona.

Surveyed under special instructions from the Surveyor General for Arizona, dated November 29, 1913, and designated as Homestead Entry Survey No. 133.

Located in what will probably be, when surveyed, secs. 29 and 30, T. 11-1/2 N., R. 8 E., of the Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Listed under the Act of June 11, 1906 and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey was executed with a W. and L. E. Gurley light mountain transit, equipped with vertical circle and Burt Solar attachment, the least count of all arcs being one minute.

The distances were measured with a 400 link steel tape directly on the slope and the slope angles determined with a clinometer.

The courses of this survey were deflected from the true meridian as determined by direct solar observations.

February 1, 1914. Lat. 34° 22' 30" N., Long 111° 34' 10" W.

At 3h. 45m. p.m., l.m.t., obs. sun for azimuth at cor.

No. 4 as follows:

Angle rt. Pt. to Sun.	Ref.	Obs. alt. of Sun	Position Sun	Position Telescope
114° 02'		18° 10'	+	Direct
113° 47-1/2'		18° 26-1/2'	+	Reversed
116° 08'		16° 13-1/2'	+	Direct
115° 50'		16° 32'	+	Reversed

Resulting course from cor. No. 4 to cor. No. 3, which

Chains is reference point by first obsn. is S. 60° 53' E.
 and by second, is S. 60° 53' E. Average is S. 60°
 53' E., the corresponding meridian being the meridian
 of reference.

February 2, 1914.

Beginning at cor. No. 1.

Identical with cor. No. 1 of list, which is a 12 in.

cedar, marked and witnessed as described in field notes

of listing survey, thence N. 30° 05' E. over rolling

open ground 95.69 chs., thence N. 7° 48' W., 26.49 chs.

to Boundary Post No. 55 of Black Mesa Forest Reserve

and cor. to Ts. 11 & 12 N., Rs. 7 and 8 E., which is a 3 in.

iron post, marked and witnessed as described by the

Surveyor General. Cor. No. 1 of list being the near-

est cor. to this public land cor. becomes cor. No. 1

of this survey. True line from cor. No. 1 to Boundary

Post No. 55, therefore bears N. 22° 08' E., 117.73 chs.

February 1, 1914.

Beginning at cor. No. 1.

Identical with cor. No. 1 of list, heretofore described

Destroy marks and scribe same tree + 1-HES133 on SW.

face; raise mound of stone 2 ft. base, 1-1/2 ft. high,

3-1/2 ft. dist. within claim; whence:

A juniper 10 ins. dia., scribed 1 H E S 133 B T

bears N. 9° 27' W., 340 lks.

A juniper 30 ins. dia., scribed 1 H E S 133 B T

bears N. 57° 45' W., 722 lks.

Boundary Post No. 55, and cor. of Ts. 11 & 12 N.,

Rs. 7 and 8 E., bears N. 22° 08' E., 117.73 chs.

Mag. Va. at 12m., 14° 39' E. Mean Mag. Va. 14° 40' E.

Obs. sun for lat. at 12h. 14m., p.m., 1.m.t., observed

alt sun's upper limb 38° 44-1/2'; resulting lat. is

TONTON NATIONAL FOREST

ARIZONA

Chains	<p>34°23' N.</p> <p>Long. 111° 33' 40" W. from Verde Reconnaissance Sheet, U. S. G. S.</p>
8.00	<p>Desc. S. slope 50 ft. to wash.</p>
11.95	<p>N. side frame barn. NE. cor. thereof, bears E. 6 lks.</p>
12.39	<p>S. side barn, NE. cor. thereof, bears E. 7 lks.</p>
14.75	<p>Wash, 12 lks. wide, 2 ft. deep in bottom draw, 50 ft. deep, course SE. Ascend N. slope 25 ft. to cor.</p>
16.60	<p>Enter corral.</p>
17.05	<p>Leave corral.</p>
17.46	<p>To cor. No. 2.</p>
	<p>Identical with cor. No. 5 of list, which is a malpais stone 12 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 14 x 6 ins. 14 ins. in ground, over stone marked +, chiseled 2-HES133 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence</p> <p>A cedar 16 ins. dia., scribed 2 H E S 133 B T bears S. 28° 52' E. 207 lks.</p> <p>A juniper 24 ins. dia., scribed 2 H E S 133 B T bears N. 80° 38' E. 200 lks.</p> <p>On February 2, 1914, return to this cor. and obs. sun at 12 h. 14 m. p.m., l.m.t. Obs. alt. sun's upper limb 39° 02'; resulting lat. is 34° 22½' N.</p>
	<p>Thence S. 68° 02' W.</p> <p>Asc. over open ground.</p>
10.00	<p>Wire fence, bears NE. and SW.</p>
20.00	<p>Top ascent, 75 ft. above bottom draw, bears N. and S. Desc. gradually along S. side draw inside fence.</p>

Chains 29.87	<p>To cor. No. 3.</p> <p>Identical with cor. No. 4 of list, which is a malpais stone 10 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 8 x 6 ins. 14 ins. in ground, over stone marked +, chiseled 3-HES133 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence</p> <p>A juniper 9 ins. dia., scribed 3 H E S 133 B T bears S. 64° 02' E. 16.5 lks.</p> <p>A juniper 12 ins. dia., scribed 3 H E S 133 B T bears S. 85° 28' W. 188 lks.</p>
3.20	<p>Enter cultivated field.</p>
4.00	<p>Bottom draw, 25 ft. deep, course NE., asc. gentle SE. slope.</p>
4.20	<p>Intersection of wire fences S. 30° W. 10 lks.</p>
9.60	<p>Leave cultivated field.</p>
13.06	<p>To cor. No. 4.</p> <p>Identical with cor. No. 3 of list, which is a malpais stone 12 ins. above ground, marked and witnessed as described in field notes of listing survey. Destroy same and set a malpais stone 24 x 10 x 8 ins. 14 ins. in ground, over stone marked +, chiseled 4-HES133 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence</p> <p>A juniper 22 ins. dia., scribed 4 H E S 133 B T bears S. 31° 31' W. 43.5 lks.</p> <p>A juniper 18 ins. dia., scribed 4 H E S 133 B T bears N. 62° 47' W. 199 lks.</p>

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Chains. Thence N. 30° 05' E. to cor. No. 5

Desc. gradually over open ground inside fence.

6.60 Wash, 12 lks. wide, 2 ft. deep, in bottom draw 50 ft.

deep, course NE, Asc. gradually.

7.70 Enter cultivated field.

14.70 Leave cultivated field.

26.49 To cor. No. 5

Identical with cor. No. 2 of list, which is a malpais stone 10 ins. above ground, marked and witnessed as

described in field notes of listing survey. Destroy same and set a malpais stone 24 x 14 x 6 ins. 14 ins.

in ground, over stone marked +, chiseled 5-HES133 on

side facing claim; raise mound of stone 2 ft. base,

1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence

A juniper 12 ins. dia., scribed 5 H E S 133 B T

bears N. 86° 27' W. 33.5 lks.

A juniper 12 ins. dia., scribed 5 H E S 133 B T

bears N. 41° 12' W. 390 lks.

Thence S. 88° 25' E.

Over level ground inside fence.

2.80 Wash, 12 lks. wide, 2 ft. deep, course S.

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

Area

Total Area H. E. S. No. 133 80.57 acres.

Improvements.

The improvements made upon or for the benefit of this claim by the claimant or his grantors consist of:

A frame house, the NE. cor., of which bears from cor. No. 1, S. 17° 30' W., 9.40 chs. 14 x 20 ft. Long side bears N. and S. Value \$300.00

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ARIZONA

Chains A frame barn, the SE. cor. of which bears from cor. No. 2, N. 5° 38' E. 5.07 chs. 30 x 30 ft. Side bears N. 10° E. and S. 10° W. Partly outside of claim. Value \$ 50.00

A corral, the center of which bears from cor. No. 2, N. 8° 15' W. 75 lks. 50 ft. in dia. Value \$ 15.00

An earthen tank, the center of which bears from cor. No. 2, N. 33° 45' W. 9.30 chs. 60 ft. in dia., 6 ft. deep. Value \$ 100.00

About 1-1/2 miles of wire fence, mostly outside of claim. Value \$ 200.00

Total estimated value of improvements \$ 665.00

Claimant has approximately 30-acres under cultivation.

Description

This claim lies in a shallow open draw, at head of a canyon known as the Gorge, and has a gentle slope toward the draw.

No timber on claim.

Water for domestic purposes and stock water is conserved by means of an earthen tank. The natural rainfall is depended upon to raise crops.

Land is more valuable for agricultural purposes than for any other and is chiefly used for such.

No mineralization was observed or is known on claim.

Conflicts and Adjoining Claims.

No claims known nearby or adjoining.

Pine, Arizona, the nearest settlement and post office is about 10 miles dist.

Survey completed February 2, 1914.

Value \$ 665.00

TUMACACI NATIONAL FOREST

ARIZONA

Chains	Traverse						
	No.	Course	Dist.	N	S	E	W
	1-2	S. 4° 54' W.	17.46		17.40		1.49
	2-3	S. 68° 02' W.	29.87		11.17		27.70
	3-4	N. 60° 53' W.	13.06	6.35			11.41
	4-5	N. 30° 05' E.	26.49	22.92		13.28	
	5-1	S. 88° 25' E.	27.28		0.75	27.27	
			114.16	29.27	29.32	40.55	40.60
					29.27		40.55
	Error in Lat. and Dep.					.05	.05
	Closing Error 1:1615						

Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

W. A. Finigan
 Forest Service Surveyor.

FOREST SERVICE NATIONAL FOREST

ARIZONA

Chains

Chains

Traverse

No.	Course	Dist.	N	S	E	W
1-2	S. 40° 54' W.	17.46		17.40		1.49
2-3	S. 88° 02' W.	22.87		11.14		27.70
3-4	N. 60° 53' W.	13.06	6.85			11.41
4-5	N. 30° 05' E.	22.43	22.32		13.28	
5-1	S. 88° 25' E.	27.28		0.78	27.27	

114.16 22.27 22.32 40.55 40.80

22.27 40.55

05.

05.

Error in lat. and Dep.

Closing Error 1:1815

Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

Forest Service Surveyor.

TONTONATIONAL FOREST

ARIZONA

Chains

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Obsn. Feb. 1, 1914 at 3h. 45m. p.m.l.m.t. at Cor. No. 4

Lat. $34^{\circ} 22\frac{1}{2}'$ Decl. App. Noon Greenwich = $17^{\circ} 15' 13.8''$

Dif. for 11h.45m. 7' 55.99''

Decl. at 3h.45m. $17^{\circ} 07' 17.81''$

Angle rt. to sun from Cor. No. 3. Obs. alt. sun Pos. Sun Telescope

1.	$114^{\circ} 02'$	$18^{\circ} 10'$	8+	Direct
	$113^{\circ} 47\frac{1}{2}'$	$18^{\circ} 26\frac{1}{2}'$	+	Reversed
2.	$116^{\circ} 08'$	$16^{\circ} 13\frac{1}{2}'$	9	Direct
	$115^{\circ} 50'$	$16^{\circ} 32'$	+	Reversed

$18^{\circ} 10'$
 $18^{\circ} 26' 30''$
 2) $36^{\circ} 36' 30''$
 $18^{\circ} 18' 15''$
 $2' 26''$
 $18^{\circ} 15' 49''$

Refraction corrected for elevation, 5,200 ft.

Sin. $17^{\circ} 07' 20'' = 9.4689540$

Cos. $34^{\circ} 22' 30'' = 9.9166434$

Cos. $18^{\circ} 15' 50'' = 9.9775513$
 9.5523106
 $9.5747593 = .37563$

Tan. $34^{\circ} 22' 30'' = 9.8351028$

Tan. $18^{\circ} 15' 50'' = 9.5185394$
 $9.3536422 = \frac{.22576}{.60139} = 53^{\circ} 02'$

Cor. No. 4 to sun S. $53^{\circ} 02'$ W.

Angle left $113^{\circ} 54' 45''$

Cor. No. 4 to Cor. No. 3. S. $60^{\circ} 53'$ E.

$16^{\circ} 13' 30''$
 $16^{\circ} 32'$
 2) $32^{\circ} 45' 30''$
 $16^{\circ} 22' 45''$
 $2' 44''$
 $16^{\circ} 20' 01''$

Refraction corrected for elevation, 5,200 ft.

Cos. $16^{\circ} 20' = 9.9821092$
 9.5523106
 $9.5702014 = .37171$

Tan. $34^{\circ} 22' 30'' = 9.8351028$

Tan. $16^{\circ} 20' = 9.4669448$
 $9.3020476 = \frac{.20047}{.57218} = 55^{\circ} 06'$

Cor. No. 4 to sun = S. $55^{\circ} 06'$ W.

Angle left $115^{\circ} 59'$

Cor. No. 4 to Cor. No. 3. S. $60^{\circ} 53'$ E.

FOREST NATIONAL FOREST

ARIZONA

Chains

Chains

Open. Feb. 1, 1914 at 3h. 45m. p.m. I.M.T. at Cor. No. 4
 Lat. 34° 22' 1/2" Decl. App. Noon Greenwich = 17° 15' 13.8"
 Diff. for 11h. 45m. 17° 07' 13.81"

Angle rt. to Obs. alt. sun Pos. Sun Telescope
 sun from Cor. No. 3.

Direct	+	18° 10'	114° 02'
Reversed	-	18° 28 1/2'	113° 47 1/2'
Direct	+	16° 13 1/2'	116° 08'
Reversed	-	16° 32'	115° 50'

18° 10'
 18° 28 1/2'
 2) 36° 38 1/2"
 18° 18 1/4"
 2' 26"
 18° 15' 49"

Refraction corrected for elevation 5,200 ft.
 Sim. 17° 07' 20" = 9.488240

Cor. 34° 22' 30" = 9.916434
 9.928100
 9.975813 = 9.975813
 9.974752 = .3763

Tan. 34° 22' 30" = 9.981028
 Tan. 18° 15' 50" = 9.518324
 9.933042 = .2276
 .2012 = 28° 02'

Cor. No. 4 to sun 2. 53° 02' W.
 Angle left 113° 54' 45"

Cor. No. 4 to Cor. No. 3. 2. 60° 53' E.

16° 18' 30"
 16° 32'
 2) 32° 48' 30"
 16° 24' 15"
 2' 44"
 16° 20' 01"

Refraction corrected for elevation 5,200 ft.

Cor. 16° 20' = 9.988100
 9.988100
 9.970014 = .3171

Tan. 34° 22' 30" = 9.981028
 Tan. 16° 20' = 9.488248
 9.980046 = .2004
 .27818 = 55° 06'

Cor. No. 4 to sun = 2. 55° 06' W.
 Angle left 113° 59'

Cor. No. 4 to Cor. No. 3. 2. 60° 53' E.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 9, 1915.

The foregoing field notes of Homestead Entry Survey No.

133,

William A. Hunt

executed by W. H. Finigan, Forest Service Surveyor
under his special instructions, dated November 29, 1913,
having been critically examined, and the necessary correc-
tions and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

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

Frank S. Ingalls
U. S. Surveyor General.