

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAN. 21075

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 134

SITUATED IN THE

TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 23, unsurveyed, Township 11 $\frac{1}{2}$  N, Range 8 E.

Section 24, unsurveyed, Township 11 $\frac{1}{2}$  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 January 30, 1914  
Survey completed January 31, 1914  
Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing John Hunt

Residence Pine, Arizona

Application No. 210, dated March 31, 1910

List No. 3-973, dated December 30, 1910

Applicant for survey John Hunt

Residence Pine, Arizona

H. E. No. 014419, 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. 134, in  
unsurveyed Section 23, Township 11 $\frac{1}{2}$  N., Range 8 E.,  
unsurveyed Section 24, Township 11 $\frac{1}{2}$  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 Slonaker Chainman  
E. Baecht Chainman

Subscribed and sworn to before me this 25<sup>th</sup> day of  
March, 1914.

Murray A. Randall  
Notary Public

Commission expires  
Feb. 26th 1916

## 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. 3-973, dated December 30 1910, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 134,  
situated within the TONTO National Forest, in  
unsurveyed Section 23, Township 11 $\frac{1}{2}$  N., Range 8 E., and  
unsurveyed Section 24, Township 11 $\frac{1}{2}$  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.  
8-2019

Clara B. Holmes  
Notary Public  
Bernalillo County, N.M.

## Tonto Tonto National Forest

STATE OF ARIZONA

Chains Applicant for listing, John Hunt, Application No. 210,  
 dated March 31, 1910; List No. 3-973, dated December  
 30, 1910; W. H. E. No. 014419, dated June 29, 1911, made  
 by John Hunt, at Phoenix, Arizona.

Surveyed under special instructions from the Surveyor  
 General for Arizona, dated November 29, 1913, and des-  
 ignated as Homestead Entry Survey No. 134.

Located in unsurveyed T. 11-1/2 N., R. 8 E., in what will  
 probably be, when surveyed, secs. 23 and 24, of the  
 Gila and Salt River Base and Meridian, within the Tonto  
 National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced January 30, 1914, and 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 observation.

At 10h. 0m., a.m., l.m.t., obs. sun for azimuth at cor.  
 No. 2 as follows:

Angle rt. Ref. Pt. to sun	Obs. alt. Sun	Position Sun	Position Telescope
113° 13'	29° 14'	+	Direct
113° 10'	29° 01'	+	Reversed
114° 39'	29° 58'	+	Direct
114° 25'	29° 40'	+	Reversed

## TENTO MOUNTAIN FOREST

STATE OF ARIZONA STATE

Chains . Lat.  $34^{\circ} 23' 40''$  N.H. Decl.  $17^{\circ} 28' 10''$   
 Resulting course from cor. No. 2 to reference point by  
 first obsn. is N.  $29^{\circ} 41\frac{1}{2}'$  E. and by second, is N.  $29^{\circ}$   
 $41'$  E. Average is N.  $29^{\circ} 41'$  E., and from the corres-  
 ponding meridian the courses were deflected.

January 30, 1914, p.m.

Beginning at Boundary Post. No. 52, of Black Mesa Forest  
 Reserve. (Cor. Secs. 5, 4, 33 and 34), which is a 3 in.  
 iron post, marked and witnessed as described by the  
 Surveyor General.

Thence S.  $89^{\circ} 15' 57''$  W. to atc. ent. rebns. benvng

On true line bet. Secs. (4) 23 and 33, the 1/4 sec. cor.  
 being in sight. At 20.02 Cor. No. 5 of this survey.  
 40.05 1/4 sec. cor. which is a malpais stone 6 ins. above ground  
 marked and witnessed as described by the Surveyor  
 General.

January 31, 1914.

Beginning at cor. No. 1 and CC. on S. bdy. of Secs. 33  
 and 34, T. 12 N., R. 8 E.  
 Identical with cor. No. 5 of list, and boundary post  
 No. 52, Black Mesa Forest Reserve and cor. secs. 33  
 and 34, T. 12 N., R. 8 E.; which is a 3 in. iron post  
 with brass cap marked and witnessed as described by  
 the Surveyor General. I stamp same post in addition  
 1-HES134 in SW. quadrant on rim and CC on SSE. side  
 of rim; raise mound of stone 2 ft. base, 1-1/2 ft.  
 high, 3-1/2 ft. dist. SSE. of cor. whence:  
 A pine 12 ins. dia., scribed 1 H E S 134 C C  
 B T bears N.  $78^{\circ} 0'$  W. 31 lks.

## **TONTO NATIONAL FOREST**

## ANOTHER ARIZONA

An oak 14 ins. dia., scribed H E S 134a C C B T  
bears S.  $0^{\circ} 15'$  E. 278 lks. tree as be  
Mag. Va. at 3 p.m.;  $14^{\circ} 48'$  E. Mean Mag. Va.  $14^{\circ} 50'$  E.  
Long.  $111^{\circ} 30'$  W., from Verde Reconnaissance Sheet, U.S.G.S.

Over rolling ground.      evenew :micio

- 0.15 Wire fence, bears E. and W., inside fence. A

13.45 Wire fence, bears E. and W., enters scattered timber.

18.75 Arroyo, 10 lks. wide, 2 ft. deep, course SW.

40.00 Wire fence, bears N.  $20^{\circ}$  NW and S.  $20^{\circ}$  E. outside fence.

49.69 To cor. No. 2.

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 12 x 6 ins. 14 ins.  
in ground over stone marked + chiseled 2-HES134 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 pine 6 ins. dia., scribed 2 H E S 134 B T

bears S.  $10^{\circ} 26'$  E. 73 lks. service too. 02 03 04

A pine 24 ins. dia., scribed 2 H E S 134 B T

bears S.  $82^{\circ} 55'$  E. 152.5 lks. raised 500 ft. 30.30

Thence N $89^{\circ}33' W$  to S. 300 rods N $W$  of the northeast corner.

as before. Over level ground, thru scattered timber.

0.25 Wire fence, bears NW. and SE. Bluff in bedrock

0.90 Road, bears NW. and SE.

3.70 Enter wash 10 lks. wide, thence along wash. ni

7.30 Wire fence, thence along fence.

11.60 Leave wash, 15 lks. wide, course SW. .it s

14.65 Cor. wire fence, leave fence.

15.19 To cor. No. 3. Identical with cor. No. 3 of list, which is a malpais

## TANTO NATIONAL FOREST

ARIZONA

Chains	stone 12 x 125 x 125 ins. above ground, marked and witnessed as described in field notes of listing survey.
1.00	Destroy same and set a malpais stone 24 x 10 x 8 ins.
2.00	14 ins. in ground, over stone marked +, chiseled
3-HES134	on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. dist. within claim; whence . Encampment revo
A pine	14 ins. dia., scribed 3 H E S 134 B T 00.00
submit	bears N. 26° 45' W. 107 lks. , ecomet eriw. 00.00
A pine	16 ins. dia., scribed 3 H E S 134 B T 00.00
submit	bears N. 24° 20' W. 108 lks. , ecomet eriw. 00.00
	. S .00 .00 00.00

aisqle Thence N. 45° 14' W. to a .00 ft. eriw Isotnebi

as bearing by ground thru scattered timber, outside of  
fence. ecomet eriw

12.30 Arroyo, 15 lks. wide, left, deep, course SW. ends

16.50 Wire fence, thence along fence to ecomet eriw

16.70 Arroyo, 20 lks. wide, 2 ft. deep, course SW. ends

25.00 Corral, 1 ch. in dia., center of which bears N. 45° E.

about 50 lks. , sib .ani 4 enfq A

25.50 SE. cor. corral, bears N. 45° 01' E. 50 lks.

33.00 Leave wire fence. , sib .ani 4 enfq A

35.20 Road, bears NE. and SW. E. 00° 28' 2 arsed

35.41 To cor. No. 4.

Identical with cor. No. 2 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-HES134 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 14 ins. dia., scribed 4 H E S 134 B T 00.00

bears N. 24° 20' W. 116 lks. .00 .00 00.00

aisqle a juniper 24 ins. dia., scribed 4 H E S 134 B T 00.00

## T2E TONTO NATIONAL FOREST

ARIZONA

Chains bears N. 47° 0' E. 138 lks. amish 0

Obs. sun for lat. of Observed alt. of sun's upper limb  
to  $38^{\circ} 26-1/2'$ , resulting lat. is  $34^{\circ} 24'$  N. elev.  
.0M .too mort arsed doinw to .000 .WM est .easor emerit A

Thence N. 11° 12' E. .ans Od. 01 .H 108 °88 .A .  
00.00 Over level ground, thru scattered timber. .H

7.60 Wire fence, thence along fence, leave, scattered timber.

19.30 Wash, 10 lks. wide, course NW. .H 131 °84 .A .  
20.35 Cor. wire fence, leave fence. A .2 hrs .W °88 .H

20.45 To cor. No. 5 and CC on line on S. bdy. sec. 33 T. 12 N.,  
R. 8 E. no 0.01 .H 100 °84 .A .0M .too mort  
00.00 Identical with cor. No. 1 of list, which is a malpais  
.A .01 stone 10 ins. above ground, marked and witnessed as  
arised and described in field notes of listing survey. a Destroy  
00.01 same and set a malpais. stone 24 x 12 x 6 ins. 14 ins.  
.0M .too in ground, over stone marked +, chiseled 5-HES134 on  
geeb .ft SE., face and CC on, S. or raise mound of stone, 2 ft. base,  
00.00 1-1/2 ft. high, 3-1/2 ft. S. 1° 12' W. from cor.,  
to whenee: .ft isq .comet eriw A to selfim A\I-S mod 1

00.00 A juniper 24 ins. dia., scribed 5 H.E.S. 134 C C B T  
00.00 .ft bears S. 44° 14' E., 443 lks. mitee istoT  
.moteviting A juniper 18 ins. dia., scribed 5 H.E.S. 134 C C B T  
bears S. 36° 17' W. 4.50 lks.

not giveed

gnigola January 30, 1914. egofo mrofim s sed mislo siit

Thence N. 89° 57' E. mtenhos est hrs .WM est of

Along S. bdy. sec. 33, T. 12 N., R. 8 E. Asc. grad-  
seisgred mislo a tree fence off side, overrs est  
ually, outside of fence.

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

vd beviance ai .ote ,effjse rot retsw .rsey est to

.listinai lsinten est .misf Area temoo .WM nt mst

-ioniq est anted smoc score easoy ot noqu behnede 106.18 acres.

.ft 000,0 yletsmixorggs ai noitsveif .gono fsg

## Tonto National Forest

Arizona

Chains	all 88 Improvements I used	estimated
	The improvements made upon or for the benefit of this claim by the claimant or his grantors, consist of:	
	A frame house, the NW. cor. of which bears from cor. No. 4, S. 55° 30' E. 16.50 chs. .24' x 24 ft. Side bears N. and S. It benefits drift. Value Level . . . \$600.00	
	A pole barn, the NW. cor. of which bears from cor. No. 4, S. 48° 15' E. 11.80 chs. .30' x 30 ft. Side bears N. 45° W. and S. 45° E. Value . . . \$150.00	
	A corral, 14.0 ch. in dia., the center of which bears from cor. No. 4, S. 48° 05' E. 10.0 chs. . . . .	
	is a single stall for 1 cow. Value . . . . . \$25.00	
	A corral, the NW. cor. of which bears from cor. No. 4., S. 48° 10' E. 9.30 chs. on 20' x 30 ft. long side bears N. 45° W. and S. 45° E. Value . . . . . \$10.00	
	An earthen tank, the center of which bears from cor. No. 5, S. 35° 00' E. 4.00 chs., m 900 ft. min dia., 4 ft. deep. . . . .	
	Value . . . . . \$200.00	
	About 2-1/4 miles of 4 wire fence, partly outside of claim. Hd bedrock . . . . .	
T 8 D 0	Value . . . . . \$350.00	
	Total estimated value of improvements . . . . . \$1,235.00	
T 8 D 0	Claimant has approximately 23 acres under cultivation.	
	all 0.4 mi. 11° 30' E. . . . .	
	Description	
	This claim has a uniform slope, the northern part sloping to the NW. and the southern part to the west.	
-Beds	This claim has considerable pine timber on it.	
	The arroyo, thru the central part of claim furnishes sufficient water for domestic uses, the greater part of the year. Water for cattle, etc. is conserved by tank in NW. corner of claim. The natural rainfall is depended upon to raise crops, corn being the principal crop. Elevation is approximately 6,000 ft.	

## T. &amp; TONTO NATIONAL FOREST

## ARIZONA

Chains The land appears to be chiefly valuable for agricultural purposes and is chiefly used for such purposes. No mineralization was observed or known on claim. David H. Jones' H. E. No 0505, SE/4 sec. 33, adjoins this claim on the N. No other claims known nearby. Pine, a small settlement and the nearest post office is located about 5 miles easterly. Survey completed January 31, 1914.

## Traverse

No.	Course	Dist.	N	S	E	W
1-2	S. $23^{\circ} 34'$ E.	49.69		45.55	19.87	
2-3	N. $89^{\circ} 33'$ W.	15.19	0.12			15.19
3-4	N. $45^{\circ} 14'$ W.	35.41	24.94			25.14
4-5	N. $1^{\circ} 12'$ E.	20.45	20.45		0.43	
5-1	N. $89^{\circ} 57'$ E.	20.02	0.02		20.02	
		140.76	45.53	45.55	40.32	40.33
				<u>45.53</u>		<u>40.32</u>

Error in Lat. and Dep. .02 .01

Error of closure 1:6284

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

W. H. Fungar  
Forest Service Surveyor.

# NATIONAL FOREST

AHORITA

**Chains** Moltres tot eddans le vaste et de seeggs tenu long est  
que nous tot heur vaste si l'au que  
misso no pwoit to bevrado asw mottssillement no  
ambois . sea A\H. H. E. Mo OPOB , 28 ,  
ydisen nwoit amialo mento oI . Il est no misle eint  
ai esito fac facseren est bne fhemeltesse illema s , en  
• ylytase zelle d miles betsool  
After , 11 , 28 , 1949 , betwey combyne

• retell and act out a variety of short plays.

• Doctoral Seminar participant.

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 G. I. O.

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

*59*  
**TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 134, STATE OF Arizona. John Hunt.**

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
4-5	N. 1° 12' E.	20.45	20.45	0.43	0.43	0.43	8.79		
5-1	N. 89° 57' E.	20.02	0.02	20.02	20.02	20.02	0.42		
1-2	S. 23° 34' E.	49.69	45.55	54	19.87	60.78	2767.92		
2-3	N. 89° 33' W.	15.19	0.12	15.19	15.19	65.47	7.66		
3-4	N. 45° 14' W.	35.41	24.94	25.14	25.14	25.14	627.24		
		140.76	45.53	45.55	40.52	40.53	644.51	2767.92	
			45.54	45.54	40.33		644.51		
							2) 2123.61		
							106.181 =	106.18A.	

60

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Directions.—On the left side of the table are the directions for the various exercises.

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.

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**TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 134, STATE OF Arizona. John Hunt.**

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Obsn. Jan. 31, 1914 at 10 h. 0 m. a.m., 1.m.t.	Obs. alt. sun	Pos. sun			Lat. 34° 23' 40"				
Angle rt. to sun.		Telescope			Decl. app. noon Greenwich	= 17° 52' 00" 00			
1. 113° 10'	29° 14' +°	Direct			Dif. for 5 h. 30 m.	= 3° 48" 47			
2. 114° 39'	29° 58' +°	Reversed			Decl. at 10 h. 0 m.	= 17° 28' 11" 53			
114° 25'	29° 40' +°	Direct							
29° 14'	29° 58'	Reversed							
29° 01'	29° 40'								
29° 07'	29° 49'								
1° 24"	1° 22"	(1° 44") refraction corrected for elevation of 6,200 ft.							
29° 06'	29° 38"	(1° 40") refraction corrected for elevation 6,200 ft.							
29° 06'	29° 38"								
Sin. 17° 28' 10" = 9.4774066	Sin. 17° 23' 10" = 9.4774066								
Cos. 34° 25' 40" = 9.9165425	Cos. 34° 25' 40" = 9.9165425								
Cos. 39° 06' 10" = 9.9413865	Cos. 29° 47' 40" = 9.9384265								
	Cos. 29° 47' 40" = 9.6224376 = .41637								
Tan. 34° 23' 40" = 9.8354191	Tan. 34° 23' 40" = 9.8354191								
Tan. 29° 06' 10" = 9.7455872	Tan. 29° 47' 40" = 9.7578356								
	Tan. 29° 47' 40" = 9.5932527 = .39197								
Course to sun, S. 37° 07' E.	Course to sun S. 35° 47' E.								
Angle left, 113° 11½'	Angle left, 114° 32'								
Course to Ref. Pt. = N. 29° 41½' E.	Average = N. 29° 41' E.	Course to Ref. Pt. N. 29° 41' E.							



APPROVAL

Office of the United States Surveyor General,

, 191 .

The foregoing field notes of Homestead Entry Survey No.

executed by \_\_\_\_\_  
under his special instructions, dated \_\_\_\_\_, 191 ,  
having been critically examined, and the necessary correc-  
tions 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 \_\_\_\_\_,  
has been correctly copied from the original notes on file in  
this office.

U. S. Surveyor General.



APPROVAL

Office of the United States Surveyor General,  
Phoenix, Arizona, March 24, 1915.

The foregoing field notes of Homestead Entry Survey No.

134

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.