

Sur. Genl copy.

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

JUL 23 1915

MAR 23 1911

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 83

SITUATED IN THE

Prescott NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Sec. 8
Section 18, un surveyed, Township 13 N., Range 4 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

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

Under special instructions dated August 1, 1913

Survey commenced September 12, 1913

Survey completed September 13, 1913

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

Applicant for listing J. S. Durfee

Residence Camp Verde, Arizona

Application No. 65, dated January 6, 1910

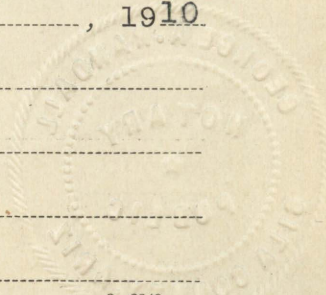
List No. 3-615, dated August 17, 1910

Applicant for survey J. S. Durfee

Residence Camp Verde, Arizona

H. E. No. 014673, dated June 29, 1911

Land district Phoenix, Arizona.



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OATH OF ASSISTANTS

We hereby certify that we assisted _____ in surveying all those parts or portions of Homestead Entry Survey No. _____, in surveyed Section _____, Township _____, Range _____, surveyed Section _____, Township _____, Range _____,

of the _____ meridian, State of _____, 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 established, according to the instructions furnished by the United States Surveyor General for _____

Subscribed and sworn to before me this _____ day of _____, 19_____.

OATH OF SURVEYOR

I, W. H. Finigan, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated August 1, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land ~~upon the application of~~ embraced in List, No. 3-615 dated Aug. 17, 1910, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 83, situated within the Prescott National Forest, in unsurveyed Section 18, Township 13 N., Range 4 E., and ~~unsurveyed Section ---~~, Township ~~----~~, Range ~~-----~~,

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 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.

W. H. Finigan
Forest Service Surveyor.

Subscribed and sworn to before me this 27th day of January, 1914.



Commissioner of Public Lands
Feb 26th 1914
George D. Randall
Notary Public

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. 83 situate
in Sec. (approximate) 18 unsurveyed T 13 N. R 4 E

of the Gila and Salt River Base and Principal Meridian,
State of Arizona, which are represented in
the foregoing field notes as having been surveyed by him
and under his directions; 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 establish-
ed, according to the instructions furnished by the United
States Surveyor General for Arizona

Raymond W. Allen, Chairman
Ralph E. King, Chairman

Subscribed and sworn to before me this thirteenth
day of September, 1913.

W. H. Finigan
Forest Service Surveyor

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UNITED STATES

To the Honorable Secretary of the Interior
Department of the Interior, Washington, D.C.
The undersigned, T. W. R. R.

of the Gila and Salt River Basins
in the State of Arizona
do hereby certify that the land
described in the attached
and under his direction and control
all respects, to the best of our knowledge
and faithfully report, and the same
conforming to the requirements

of the Department of the Interior
and under his direction and control
all respects, to the best of our knowledge
and faithfully report, and the same
conforming to the requirements

of the Department of the Interior
and under his direction and control
all respects, to the best of our knowledge
and faithfully report, and the same
conforming to the requirements

W. H. Thompson
First Justice

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

J. S. Durfee, applicant for listing, application No. 65 dated January 6, 1910, List No. 3-615 dated August 17, 1910, H. E. No. 014673 June 29, 1911., Phoenix Land Office. Surveyed under special instructions from the Surveyor General for Arizona, dated August 1, 1913, designated as Homestead Entry Survey No. 83, Arizona. This survey is based on listing, not under the cooperative plan, under Acts of June 11, 1906 and March 4, 1913.

This survey was executed with a W. & L. E. Gurley light mountain transit, equipped with a Burt solar attachment. The distances were measured with a 200 and 400 lk. steel tape directly on the slope and the slope angles determined with a clinometer.

This survey is located approximately in sec. 18, T. 13 N. R. 4 E., unsurveyed, of the Gila and Salt River Base and Meridian, in the Prescott National Forest, Arizona.

The courses of this survey were deflected from the true meridian as established by observation of Polaris at E. elong. Lat. 34° 32' N., Long. 111° 58' W. September 11, 1913. I set transit at cor. No. 1 and observe Polaris at E. elong. and mark line on ground. The next morning I set off the azimuth of Polaris 1° 24' to west of observed line and thus establish true meridian. I check the meridian thus established by several subsequent observations with the Burt solar attachment.

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

September 13, 1913.

I begin at cor. secs. 12, 13, 7 and 18 T. 13 N., R. 3 E. and R. 4 E. which is a malpais stone, in mound of stone, showing 12 x 6 x 6 ins. above ground chiseled 2 grooves on N. and 4 grooves on south face. No bearings. I raise mound of stone 2 ft. base, 1-1/2 ft. North of corner. Thence I run North on a random line bet. secs. 7 and 12 and at 40.00 chs. fail to find 1/4 sec. cor. for secs. 7 and 12, at 80 chs. fail to find cor. secs. 1, 12, 6 and 7 and at 120 chs. fail

to find 1/4 sec. cor. for secs. 1 and 6. I return to cor. of secs. 12, 13, 7 and 18 T. 13 N. Rs. 3 and 4 E., heretofore described, thence run N. 27° 03' E. 6.29 chs., thence N. 13° 42' E. 2.21 chs., thence N. 52° 48' E. 58.34 chs., thence N. 53° 0' E. 37.07 chs. thence N. 54° 35' E. 12.23 chs., thence N. 78° 48' E. 3.12 chs. to cor. No. 1. Therefore line from cor.

No. 1 to cor. secs. 12, 13, 7 and 18 bears S. 51° 42' W. 117.85 chs. (Computations hereto attached).

September 12, 1913.

Beginning at cor. No. 1.

Identical with cor. No. 1 of List and Forest Service Monument, which is a malpais stone 12 x 8 x 6 ins. above ground, marked and witnessed as described by field notes of listing survey. I destroy same and set a malpais stone 24 x 12 x 6 ins. 14 ins. in ground over stone marked + chiseled 1-HES83 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high 3-1/2 ft. distant within claim; whence

An oak 12 ins. in diameter, scribed 1 H E S 83 B T bears S. 13° 0' E. 103.5 lks.

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

A sycamore 20 ins. in diameter, scribed 1 H E S 83
 . Descend B.T. bears S. 87° 02' W. 119 lks. 08.5
 Cor. secs. 12, 13, 7 and 18 T. 13 N., R. 3 and 4 E.
 heretofore described bears S. 51° 42' W. 00.5
 117.85 chs.

Mag. Va. at 8 a.m. 15° 04' E. Mean Mag. Va. 15° 07' E.

Thence N. 29° 03' E. 05° 03' .8
 Descending.

0.55 Irrigation ditch, course NE.

10.75 Copper Canyon Creek, -10 lks. wide, course NE.

Ascending.

1.40 Irrigation ditch, course NE.

6.10 Top of ascent 30 ft. high, bears NW. & SE. Descend.

8.30 Arroya, 5 lks. wide, 6 ft. deep, course SE.

Thence over small bench.

9.60 Descend 10 ft. to bottom of wash.

11.20 Wash from gulch, 20 lks. wide, course SE.

Thence ascending very slightly.

12.19 To cor. No. 2.

Identical with cor. No. 5 of List, which is a malpais.
 rock in place showing 12 x 28 x 14 ins. above ground,
 marked and witnessed as described in field notes of
 listing survey. Destroy marks and chisel same rock
 + on top for exact point and 2-HES83 on side facing
 claim; raise mound of stone 2 ft. base, 1-1/2 ft. high,
 3-1/2 ft. distant within claim; whence

A cedar 6 ins. in diameter, scribed 2 H E S 83 B T

bears S. 19° 45' E. 38.5 lks.

A cedar 11 ins. in diameter, scribed 2 H E S 83 B T

bears S. 55° 32' W. 85 lks.

Thence S. 76° 09' E.

Ascending thru brush.

PRESCOTT NATIONAL FOREST

ARIZONA

Chains		Chains
2.80	Top ascent 20 ft. high, bears N. & S. Descend.	
4.95	Cor. of wire fence, 5 lks. S.	
5.00	Enter timber	
5.73	To cor. No. 3.	
5.70	Identical with cor. No. 4 of List, which is a malpais	
<p>stone 20 x 10 x 10 ins. above ground, chiseled H/4 with one witness tree S. 50° 50' W. 41 lks., fail to find other witness. I destroy same and set a malpais stone 24 x 10 x 6 ins. 6 ins. in ground on solid rock in mound of stone, chiseled 3-HES83 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence</p>		
<p>An ash 9 ins. in diameter, scribed 3 H E S 83 B T</p>		
<p>bears S. 8° 10' W. 49.5 lks.</p>		
<p>An ash 12 ins. in diameter, scribed 3 H E S 83 B T</p>		
<p>bears S. 89° 20' E. 81 lks.</p>		
<hr/>		
<p>Thence S. 32° 25' W.</p>		
<p>Over level ground.</p>		
0.90	Copper Canyon Creek, 15 lks, wide, course NE.	
1.50	Copper Canyon Creek, 15 lks. wide. course N.	
2.20	Wash from Gulch, 18 lks, wide, course SE.	
3.15	Copper Canyon Creek 20 lks. wide, course NE.	
3.40	Ascend bank, 20 ft. high, thence over level ground.	
4.20	Road to Camp Verde, course NE., thence ascend.	
5.52	To cor. No. 4.	
5.38	Identical with cor. No. 3 of List, which is a malpais	
<p>stone 6 x 10 x 10 ins. above ground, marked and witnessed as described in field notes of listing survey. I destroy same and set a malpais stone 24 x 10 x 6 ins. 14 ins. in ground over stone marked + , chiseled 4-HES83 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim;</p>		

HOMESTEAD ENTRY SURVEY NO. 83

PRESCOTT NATIONAL FOREST

ARIZONA

Chains	Whence	course long side N. 70' E.	chains
	An oak 10 ins. in diameter, scribed 4 H E S 83 B T		
	bears N. 62° 23' E. 51.5 lks.		
	An ash 14 ins. in diameter, scribed 4 H E S 83 B T		
	bears N. 70° 35' W. 132.5 lks.		
	.897A		
	Thence S. 2° 01' W. .58 .0W .2 .E .H sers lctot		
	Ascending thru heavy brush.		
1.00	Top of ascent 40 ft. above creek bed, thence descend gradually along W. side of gulch thru brush.		
4.84	To cor. No. 5.		
	Identical with cor. No. 2 of List, which is a malpais stone 10 x 12 x 4 ins. above ground, marked and witnessed as described in field notes of listing survey. I destroy same and set a malpais stone 24 x 10 x 8 ins. 14 ins. in ground over stone marked +, chiseled 5-HES83 on side facing claim; raise mound of stone 2-1/4 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim;		
	whence		
	A cedar 8 ins. in diameter, scribed 5 H E S 83 B T bears S. 56° 45' W. 55.5 lks.		
	A cedar 7 ins. in diameter, scribed 5 H E S 83 B T bears S. 20° 08' E. 73 lks.		
	Thence N. 88° 30' W.		
	Descending.		
1.05	Bottom of gulch 35 ft. below cor. No. 5, course N., thence ascending very gentle slope.		
1.20	SE. cor. corral, bears N., 8 lks, 40 x 80 ft. course long side N. and S.		
3.10	Ascend along S. side of Copper Canyon thru timber.		
4.05	Top of ascent, 25 ft. above bed of creek, thence along S. side of Copper Canyon.		
4.60	SW. cor. chicken yard bears N. 65 lks., 30 x 70 ft.,		

HOMESTEAD ENTRY SURVEY NO. 83

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

course long side N. 70' E.

5.35 Descend along S. side Copper Canyon.

8.00 Road to Camp Verde, course NE. Leave timber.

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

Area.

Total area H. E. S. No. 83. 6.71 acres.

Improvements

The improvements made upon this claim consist of the following:

A frame house, the SE. cor. of which bears from cor. No. 1, N. 74° 20' E. 5.68 chs. 24 x 24 ft.,

course side E. and W. Value \$250.00

A frame shed the NE. corner of which bears from corner No. 4, N. 52° 0' W. 2.25 chs. 10 x 10 ft.,

course of side N. 61° W. Value \$25.00

About 1/2 mile of fence (wire). Value \$50.00

Total estimated value of improvements \$325.00

All of above improvements of claimant herein.

Description.

This claim is in Copper Canyon and slopes to the creek or the gulch which traverses the claim.

There is some small timber and brush on the claim.

Water is supplied from spring raising in Copper Canyon

Creek and a small spring on the eastern part of the claim. Water is ditched from these springs and used

to irrigate the cultivated land of which there is about 3/4 acre.

Claim is chiefly valuable for raising garden truck and

fruit and is used chiefly for that purpose.

No evidence of mineralization is in evidence on this

claim and it is apparently nonmineral in character.

HOMESTEAD ENTRY SURVEY NO. 83

PRESCOTT NATIONAL FOREST
ARIZONA

Chains

No adjoining or nearby claims of any description known.

Camp Verde, the nearest settlement and post office is located about 5 miles easterly.

The nearest railroad point is Dewey, about 18 miles Northwesterly.

Survey completed

September 13, 1913.

Latitude, Departures and Closing Errors.

Course	Dist.	Latitude		Departure	
		N	S	E	W
N. 29° 03' E.	12.19	10.66		5.92	
S. 76° 09' E.	5.73		1.37	5.56	
S. 32° 25' W.	5.52		4.66		2.96
S. 2° 01' W.	4.84		4.84		0.17
N. 88° 30' W.	8.38	0.22			8.38
	36.66	10.88	10.87	11.48	11.51
		10.87			11.48
Error in Lat. and Dep.		.01			.03
Error of closure		$\sqrt{\frac{1+9}{3666}} = \frac{1}{1128}$			

There being no officer qualified to administer oaths within a reasonable distance, I administer oath of assistants in my official capacity.

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

W. H. Finigan
Forest Service Surveyor.

HOMESTEAD ENTRY SURVEY NO. 4856

FIRST OF NATIONAL FOREST

ARIZONA

Chains

No adjoining or nearby claims of any description known.
 Camp Verde, the nearest settlement and post office is
 located about 5 miles easterly.
 The nearest railroad point is Dewey, about 18 miles
 Northwestly.
 Survey completed
 September 13, 1913.

Latitude, Departures and Closing Errors.

Course	Dist.	Latitude		Departure
		N	S	
N. 29° 03' E.	12.19	10.66		5.92
S. 76° 09' E.	5.73		1.37	5.56
S. 32° 25' W.	5.52		4.66	2.96
S. 2° 01' W.	4.84		4.84	0.14
N. 88° 30' W.	8.38	0.22		8.38
<hr/>				
	36.66	10.88	10.87	11.51
		<u>10.87</u>		<u>11.48</u>
				0.03
Error in Lat. and Dep.		.01		

$$\text{Error of closure} = \frac{\sqrt{11.51^2 + 11.48^2}}{1138}$$

There being no officer qualified to administer oaths
 within a reasonable distance, I administer oath of
 assistants in my official capacity.
 Any discrepancy between these field notes and
 those of the listing survey are due to error in the
 latter.

W. H. ...
 Forest Service Surveyor.

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.

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. 83., STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	S.	Traverse from Cor. No. 1 to Secs. 12, 7, 13 and 18, E. 13 N., R's 3 and 4 E.							
	S. 78° 48' W.	3.12	0 61		3 06				
	S. 54° 35' W.	12.23	7 09		9 97				
	S. 53° 00' W.	37.07	22 31		29 61				
	S. 52° 48' W.	58.34	35 27		46 47		92.49 =	1.9660948	1.9660948
	S. 13° 42' W.	2.21	2 15		0 52		73.03 =	1.8635013	9.8947792
	S. 27° 03' W.	6.29	5 60		2 86		0.1025935	2.0713156	
	N. 51° 42' E. (Calc.)	117.85	73 03		92 49			51.42	117.846

59

(Contd.)

93 93

94 92

91.11

91.11

2. 51% 02. W. 93.2
 2. 13% 43. W. 13.8
 2. 18% 48. W. 28.2
 2. 23% 00. W. 40.2
 2. 24% 32. W. 18.2
 2. 28% 48. W. 31.2

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LEAVING AND CALCULATIONS OF HORIZONTAL ERROR SHEETS NO. 82. STATE OF ARIZONA

1. Only three copies of this report are to be made, one for the District Office, the Surveyor General, and the Commissioner.
 2. In computations of this sheet, the following constants are to be used: $\log 10 = 1.0000000$, $\log 2 = 0.3010300$, $\log 3 = 0.4771213$, $\log 4 = 0.6020600$, $\log 5 = 0.6989700$, $\log 6 = 0.7781513$, $\log 7 = 0.8450980$, $\log 8 = 0.9030900$, $\log 9 = 0.9542425$, $\log 10 = 1.0000000$.
 3. The computation of the horizontal error is to be made by the method of the three angles.
 4. The computation of the horizontal error is to be made by the method of the three angles.
 5. The computation of the horizontal error is to be made by the method of the three angles.

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. 83., STATE OF J. S. Durfee.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 29° 03' E.	12.19	10 66		5 92		5 93	63 15	
2-3	S. 76° 09' E.	5.73		1 37	5 56		17 43		23 88
3-4	S. 32° 25' W.	5.52		4 66		2 96	20 04		93 39
4-5	S. 2° 01' W.	4.84		4 84		0 17	16 91		81 84
5-1	N. 88° 30' W.	8.38	0 22			8 38	8 37	1 84	
			10 88	10 87	11 48	11 51		64 99	199 11
			10 87	10 87	11 50	11 50			64 99
									2)134 12
									67 06
									= 6.71 Acres

61

62

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STATE OF ...

Official use only. This document is for the use of the State of ...

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 20, 1914.

The foregoing field notes of Homestead Entry Survey No.

83

J. S. Durfee, claimant

executed by W. H. Finigan, Forest Service Surveyor
under his special instructions, dated August 1, 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.

