

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

MAR 23 1914  
JUL 25 1915

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 90

SITUATED IN THE

PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 24, un surveyed, Township 12 N., Range 5 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 12, 1913

Survey commenced September 3, 1913

Survey completed September 5, 1913

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

Applicant for listing J. J. Sullivan

Residence Rutherford, Arizona

Application No. 28, dated February 23, 1908

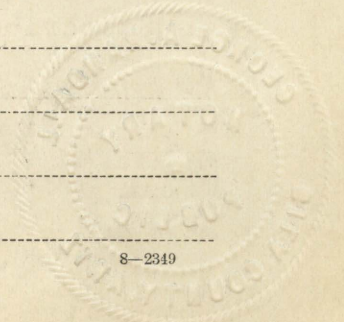
List No. 3-2122, dated October 15, 1912

Applicant for survey J. J. Sullivan

Residence Rutherford, Arizona

H. E. No. 023389, dated September 20, 1913.

Land district Phoenix, Arizona.



204

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 12, 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. 3-2122, dated Oct. 15, 1912, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 90, situated within the Prescott National Forest, in un surveyed Section 24, Township 12 N., Range 5 E., and --- surveyed 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 21st day of January, 1914.



George A. Randall  
Notary Public  
8-2249  
Feb. 21, 1914

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. 90  
 situated in Sec (approximate) 23, 24, 25 T 12 N.  
R. 5 E unsurveyed  
 of the Gila and Salt River Base and Meridian,  
 State of Arizona, which are represented  
 in the foregoing 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 Arizona  
Raymond M. Oberlin Chairman.

Subscribed and sworn to before me this sixth  
 day of September 1913/

W. H. Finigan  
Forest Service Surveyor

206

to hereby certify that we received W. H. Thompson  
Forest Service Director in reviewing all these points

20

of the following of interested parties having no  
objection in view (signature) 22 July 1918 N.

A. S. F. Thompson  
of the Idaho and Salt Lake States

State of Oregon  
in the foregoing their names 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 executed, and the former mentioned  
completed, according to the instructions furnished by the

United States Forest Service for Oregon  
Chairman

W. H. Thompson

1918

September

W. H. Thompson  
Forest Service Director

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains J. J. Sullivan, applicant for listing; Application No. 28, dated February 23, 1908; List No. 3-2122, dated October 15, 1912; H. E. No. 023389, dated September 20, 1913, Phoenix, Arizona Land Office.

Surveyed under special instructions from the Surveyor General for Arizona dated August 12, 1913, and designated as Homestead Entry Survey No. 90.

Situated approximately in Sec. 24, unsurveyed, T. 12 N., R. 5 E., of the Gila and Salt River Base and Meridian in the Prescott National Forest, Arizona.

Surveyed under 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 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.

---

The courses of this survey were deflected from the true meridian as determined by observation on Polaris at E. along.

September 3, 1913: I set transit at cor. No. 3 and observe Polaris at E. along. and mark line on ground. The next morning I set off 1° 24' to the west from observed line for true meridian. I check the meridian thus established by several subsequent observations with the Burt solar attachment.

---

September 3, 1913.

There being no U. S. Location Monument or accepted public land corner within two miles of this survey, I establish U. S. Location Monument No. 90 H. E. S., which is situated on top of hill formed by ruins of an old indian

Chains house on the west side of the Verde River. I set a  
limestone 36 x 20 x 8 ins., 24 ins. in ground, chiseled  
U S L M No. 90 H E S on west face and raise mound of  
stone 6 ft. base, 4 ft. high along side, whence:  
A cedar 20 ins. in diameter, scribed U S L M  
No 90 H E S B T bears S. 86° 45' W., 333 lks.  
A cedar 10 ins. in diameter, scribed U S L M  
No 90 H E S B T bears N. 55° 11' W., 341 lks.  
Brown Springs bears N. 55° 30' W., 9.30 chs.  
Squaw Peak bears N. 50° 24' W.  
Hackberry Mountain bears N. 77° 59' E.  
Tower Creek Mountains bears S. 73° 31' E.  
Opening bet. Twin Bluffs on E. side Rio Verde  
bears S. 67° 26' E. about 1 mile.  
North Peak of Matazal Mountains bears S. 44° 56' E.  
Cor. No. 1, H. E. S. No. 90, bears N. 75° 28' E.,  
9.93 chs.

September 3, 1913.

Beginning at cor. No. 1.

Mag. Va. at 2 p.m. 15° 35' E. Mean Mag. Va. 15° 32' E.

Identical with cor. No. 5 of list which is a malpais

stone 24 x 6 x 6 ins. marked and witnessed as described

in field notes of listing survey. I destroy marks

and set same stone 14 ins. in ground, over stone mark-

ed + chiseled 1-HES90 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 12 ins. in diameter, scribed 1 H E S 90

B T, bears S. 80° 37' W., 40 lks.

A mesquite 10 ins. in diameter, scribed 1 H E S

90 B T, bears N. 27° 02' W., 56 lks.

U. S. L. M. No. 90 H. E. S. bears S. 75° 28' W.,

9.93 chs.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains Lat. 34° 25' N., Long. 111° 48' W., derived from special instructions of Surveyor General.

Thence S. 86° 56' W.

Ascending thru brush along side hill.

0.70 Wire fence, bears N. and S.

1.10 Wire fence, bears SE. and NW.

6.30 Ascend steeper slope on N. side hill.

8.65 Top of ascent, thence along N. side hill.

12.25 Ascend uniform slope.

20.02 To cor. No. 2.

Identical with cor. No. 6 of list, which is a malpais boulder in place showing 4 x 5 x 5 ft. above ground, marked and witnessed as described in field notes of listing survey. I destroy marks and chisel same boulder + on top for exact point and 2-HES90 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence:

+ B R 2 H E S 90 chiseled on face of malpais

boulder showing 5 x 6 x 4 ft. above ground,

bears N. 46° 22' W., 56.5 lks.

A cedar 12 ins. in diameter, scribed 2 H E S 90

B T bears S. 52° 15' W., 199 lks.

Thence N. 9° 50' W.

Descending gradually.

3.20 Gulch, course NE. Descending.

5.45 Foot descent 100 ft. below cor. No. 2, thence over level ground.

9.00 Ascending.

9.47 To cor. No. 3.

Identical with cor. No. 1 list and Forest Service monument which is a malpais rock in place showing 24 x 20 x 10

Chains 30 ins. above ground, marked and witnessed as described in field notes of listing survey. I destroy marks and chisel same rock + on top for exact point and 3-HES90 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence:  
 + B R 3 H E S 90 on face of malpais boulder showing 30 x 30 x 36 ins. above ground, bears N. 73° 10' W., 35 lks.  
 A cedar 12 ins. in diameter, scribed 3 H E S 90 B T, bears S. 38° 40' W., 268 lks.

---

Thence N. 84° 54' E.  
 September 4, 1913.  
 Over rolling ground.

1.40 Cor. wire fence.

11.30 Intersection N. and S. and E. and W. wire fences, 15 lks. South.

15.50 Descend steep slope thru heavy brush, 100 ft. high.

21.80 Foot steep descent, descend more gradually.

29.90 Enter gulch on S. slope thereof. Gulch 25 ft. deep.

32.40 Leave Gulch on S. slope thereof.  
 Over level ground thru brush.

38.20 To cor. No. 4.  
 Identical with cor. No. 2 of list, which is a limestone 20 x 10 x 8 ins. marked and witnessed as described by field notes of listing survey. I destroy same and set a granite stone 24 x 8 x 6 ins., 14 ins. in ground over stone marked +, chiseled 4-HES90 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant within claim; whence:  
 + B R 4 H E S 90 chiseled on face malpais boulder showing 3 x 6 x 4 ft. above ground, bears S. 1° 35' E., 65 lks.



PRESCOTT NATIONAL FOREST

ARIZONA

Chains	<p>+ B R 4 H E S 90 chiseled on top of malpais boulder showing 1 x 4 x 3 ft. above ground bears N. 84° 21' W. 54.5 lks.</p>
	<p>Thence S. 17° 14' E. 2.8 lks. Ascending thru brush.</p>
12.75	<p>Top of ascent bears E. &amp; W., 50 ft. above cor. No. 4, Descend 20 ft. vertically.</p>
14.85	<p>To cor. No. 5. Identical with cor. No. 3 list, which is a malpais stone 24 x 12 x 8 ins. marked and witnessed as described by field notes of listing survey. I destroy marks and set same stone 14 ins. in ground over stone marked +, chiseled 5-HES90 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 10 ins. in diameter, scribed 5 H E S 90 B T bears N. 58° 30' E. 162 lks. + B R 5 H E S 90 chiseled on face of malpais ledge showing 3-1/2 x 5 x 4 ft. above ground bears N. 68° 20' W. 199 lks.</p>
	<p>Thence S. 83° 28' W.</p>
	<p>Ascending thru brush.</p>
9.60	<p>Top of ascent, descend slightly.</p>
11.50	<p>Foot of descent, ascend slope 100 ft. high.</p>
19.58	<p>September 5, 1913.</p> <p>To cor. No. 6. Identical with cor. No. 4 of list, which is a malpais rock in place 8 x 16 x 10 ins. above ground, marked and witnessed as described by field notes of listing survey. I destroy marks and chisel same rock on top for exact point and 6-HES90 on side facing claim; raise mound of stone 2 ft. base, 1-1/2 ft. high, 3-1/2 ft. distant</p>

Chains	<p>within claim, whence</p> <p>A cedar 7 ins. in diameter, scribed 6 H E S 90</p> <p>B T bears N. 20° 40' W. 182 lks.</p> <p>A cedar 10 ins. in diameter, scribed 6 H E S 90</p> <p>B T bears S. 67° 37' W. 25 lks.</p>	Chains
3.40	<p>Top ascent, descend thru brush, 30 ft. vertically</p> <p>To cor. No. 1, the place of beginning.</p>	12.75
5.06	<p><b>Area.</b></p> <p><b>Total area Homestead Entry Survey No. 90. 47.82 acres</b></p> <p><b>Improvements.</b></p> <p>The improvements consist of the following:</p> <p>A log house, the NW. cor. of which bears from cor. No. 3 S. 47° 20' E. 6.20 chs. 25 x 12 ft. Course</p> <p>long side East Value . . \$ 50.00</p> <p>About 1-1/4 miles wire fence Value . \$125.00</p> <p>Total estimated value of improvements \$175.00</p> <p>All of above improvements of claimant herein.</p>	14.88
	<p><b>Description.</b></p> <p>This claim is located on the west slope of the valley formed by the Rio Verde and has a strong slope to the east.</p> <p>The greater part of the land has a uniform slope although there is some rough land along lines.</p> <p>The tract is heavily covered with catclaw and mesquite brush and is somewhat rocky, but when cleared makes very productive ground.</p>	

PRESCOTT NATIONAL FOREST

ARIZONA

Chains

anishD

Water is supplied by a strong spring which furnishes sufficient water for cultivation of all the cleared land, and is diverted and used for irrigating.

Land is used for agricultural purposes, there being about 12 acres under cultivation, in fruit, vegetables, alfalfa, etc., and is chiefly valuable for such purposes.

No evidence of mineralization on surface and is apparently non-mineral in character.

There are said to be several lode locations about half mile north of this claim but I fail to find or identify any corners of such.

No other claims known.

The nearest settlement and post office is Camp Verde, Arizona, about 12 miles distant.

Survey completed September 5, 1913.

Latitude, Departure and Closing Error.

Course	Distance	Latitude		Departure	
		N	S	E	W
S. 86° 56' W.	20.02		1.07		19.99
N. 9° 50' W.	9.47	9.33			1.62
N. 84° 54' E.	38.20	3.40		38.05	
S. 17° 14' E.	14.85		14.18	4.40	
S. 83° 28' W.	19.58		2.23		19.45
N. 16° 39' W.	5.06	4.85			1.45
	107.18	17.58	17.48	42.45	42.51
		17.48			42.45
		.10			.06

Error closure  $\frac{\sqrt{10^2 + 6^2}}{10718} = \frac{1}{928}$

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

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

W. H. Firingan  
Forest Service Surveyor.

Chains

Chains

Water is supplied by a strong spring which furnishes sufficient water for cultivation of all the cleared land, and is diverted and used for irrigating. Land is used for agricultural purposes, there being about 12 acres under cultivation, in fruit, vegetables, alfalfa, etc., and is chiefly valuable for such purposes. No evidence of mineralization on surface and is apparently non-mineral in character. There are said to be several lode locations about half mile north of this claim but I fail to find or identify any corners of such. No other claims known. The nearest settlement and post office is Camp Verde, Arizona, about 12 miles distant. Survey completed September 5, 1913.

Latitude, Departure and Closing Error.

Course	Distance	Latitude		Departure
		N	S	
N. 16° 39' W.	5.06	4.88		1.43
S. 83° 28' W.	12.88		2.33	12.43
S. 17° 14' E.	14.88		14.18	12.43
N. 84° 54' E.	38.20	2.40		1.63
N. 9° 50' W.	2.47		2.38	1.63
S. 86° 36' W.	20.02	1.07		19.99
<b>Total</b>	<b>107.18</b>	<b>17.58</b>	<b>17.48</b>	<b>42.45</b>
				<b>42.51</b>
				<b>.06</b>

$$\text{Error closure} = \frac{\sqrt{107.18^2 + 42.45^2}}{328} = \frac{1}{328}$$

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

*W. H. Simpson*  
 Forest Service Surveyor.

- DIRECTIONS.—1. Carry out the calculations to three decimals, and all other calculations to two decimals only.  
 2. In balancing Lat. and Dep. 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 hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

# TABLING AND CALCULATIONS OF

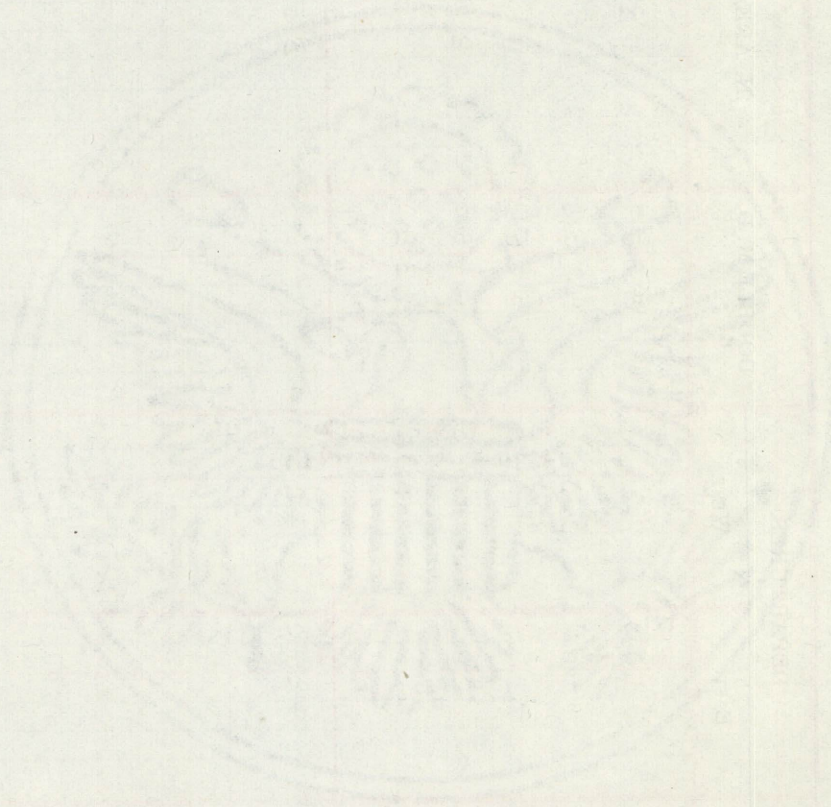
*J. J. Sullivan*

*A. E. S. 90*

*retd. to D. 4.  
 some copy with Com. or S. 200*

No.	COURSE	DISTANCE.		LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
				NORTH.	SOUTH.	EAST.	WEST.			
3-4	N 84° 54' E	3820		340 <sup>97</sup>		3805 <sup>07</sup>		3807	12830	
4-5	S 17° 14' E	1485			1418 <sup>9</sup>	440 <sup>41</sup>		8055		114300
5-6	S 83° 28' W	1958		485 <sup>84</sup>	225 <sup>5</sup>		1945 <sup>4</sup>	6552		14742
6-1	N 16° 39' W	506			107 <sup>09</sup>		145 <sup>8</sup>	4463	21601	
1-2	S 86° 56' W	2002		333 <sup>2</sup>			1999 <sup>1</sup>	2320		2529
2-3	N 9° 50' W	947		333 <sup>3</sup>			162 <sup>8</sup>	161	1501	
		10718		1758	1748 <sup>53</sup>	4245 <sup>48</sup>	4251		35932	131571
										35932
										2) 95639
										47819 = 47.82 Acs.

216



DEPARTMENT OF AGRICULTURE  
WASHINGTON, D. C.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 23, 1914 .

The foregoing field notes of Homestead Entry Survey No.

90

J. J. Sullivan, claimant

executed by W. H. Finigan, Forest Service Surveyor  
under his special instructions, dated August 12, 1914,  
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.

