

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

001231514

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 107

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

~~Section 2, unsurveyed, Township 1 S., Range 15 E.~~

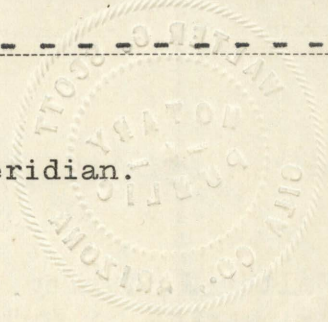
Section 10, unsurveyed, Township 1 S., Range 15 E.

Section 11, unsurveyed, Township 1 S., Range 15 E.

of the

G. & S. R. B. & Meridian.

Arizona



Survey executed by Walter G. Turley, Forest Service Surveyor

Under special instructions dated October 30, 1913
and Supplemental Special Instructions dated March 9, 1914
Survey commenced March 11, 1914

Survey completed March 11, 1914

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

Applicant for listing Robert E. Lee,

Residence Globe, Arizona.

Application No. 25, dated May 12, 1908

List No. 3-891, dated December 14, 1910

Applicant for survey Robert E. Lee

Residence Globe, Arizona.

H. E. No. 014832, dated July 1, 1912

Land district Phoenix, Arizona.

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Forest Service Surveyor in surveying all those
 parts or portions of Homestead Entry Survey No. 107, in
~~unsurveyed Section 2~~, Township 1 S., Range 15 E.,
~~unsurveyed Section 10~~, Township 1 S., Range 15 E.,
~~unsurveyed Section 11~~, Township 1 S., Range 15 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.

Chairman Guy Turley Chairman
P. D. Johnson Chairman
Flag Robert E. Lee Flagman

Subscribed and sworn to before me this 12th day of
March, 1914.

Walter G. Scott
 Notary Public

My commission expires July 1, 1917
 OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear
 that, in strict conformity with the special instructions of
 the United States Surveyor General for Arizona, dated Oct. 30, 1912
and March 9, 1914, 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. 3-891, dated December 14, 1910, for
Patent, under the Act of June 11, 1906,
 the same to be known as Homestead Entry Survey No. 107,
 situated within the CROOK National Forest, in
~~unsurveyed Section 2~~, Township 1 S., Range 15 E., and
~~unsurveyed Section 10~~, Township 1 S., Range 15 E.,
~~unsurveyed Section 11~~, Township 1 S., Range 15 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.

Walter G. Turley
 Forest Service Surveyor

Subscribed and sworn to before me this 12th day of
March, 1914.

Walter G. Scott
 Notary Public

My commission expires July 1, 1917



HOMESTEAD ENTRY SURVEY NO. 107

T2 CROOK NATIONAL FOREST

ARIZONA

Chains Applicant for listing, Robert E. Lee; Application No. 25, dated May 12, 1908; List No. 3-891, dated December 14, 1910; H. E. No. 014832, made at Phoenix, Arizona by Robert E. Lee, dated July 1, 1912.

Surveyed under special instructions from the Surveyor General for Arizona dated October 30, 1913, and supplemental special instructions dated March 9, 1914, and designated as Homestead Entry Survey No. 107.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. and Meridian, in what will probably be, when surveyed, Secs. 8, 10 and 11, within the Crook 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.

Survey commenced March 11, 1914, and executed with a W. and L. E. Gurley light mountain transit No. 12953, equipped with vertical circle and Burt solar attachment, the horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the verniers of the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1:132 and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths.

March 11, 1914.

At 8 h. 00 m. a.m., l.m.t., I set off 3° 51' S. on the decl. arc and 33° 22' on the lat. arc and determine a

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Chains with the solar at the north station of the meridian which I established by Polaris observations on December 4 and 5, 1913, near Cor. No. 8 of H. E. S. No. 129, and is marked by tacks set in stakes driven in the ground 8.00 chs. apart; and my line of sight falls upon the tack in the South stake. Therefore I conclude that my transit is in satisfactory adjustment.

Preliminary to the survey of this claim, I retrace its boundaries and calculate its area to be less than 160 acres.

March 11, 1914. At 8 h. 30 m. a.m., l.m.t., I set off 3° 51' S. on the decl. arc and 33° 23' on the lat. arc and determine a meridian with the solar at the St. 1/4 sec. cor. sec. 36, T. 1 N., R. 15 E., which is a granite stone 12 x 12 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 5° 22' W. for a tie. To cor. No. 1. Identical with cor. No. 5 of the list survey, which is a schist stone 12 x 3 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark 1-HES107 for cor. No. 1 of this survey on the SE. face of a schist stone 9 x 5 x 10 ins. above ground, which I previously set for cor. No. 3 of H. E. S. No. 104, marked 3-HES104 on the NW. face, with a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor. from which:

A catsclaw 4 ins. dia. bears S. 46° 30' E.

388 lks. dist. marked 3 H E S 104 1 H E S 107

CROOK NATIONAL FOREST

ARIZONA

Chains
 A mesquite stump 18 ins. dia. bears N. 68° 30'
 E. 193 lks. dist. marked 3 H E S 104
 1 H E S 107 B T.
 Therefore the St. 1/4 sec. cor. sec. 36, T. 1 N., R. 15
 E. bears N. 5° 22' E. 76.24 chs. dist. from cor. No. 1
 of this survey.

I observe the magnetic declination at cor. No. 1 to be
 14° 05' E. at 9 h. 00 m. a.m., l.m.t., which reduced
 by Table G. Manual of 1894, Diurnal Variation in Mag-
 netic Declination gives a mean magnetic declination of
 14° 02' E. Lat. 33° 22' N.
 Long. 110° 45' W. as obtained from special instructions
 from the Surveyor-General.

Thence S. 78° 06' E.

Along line 3-2 of H. E. S. No. 104, Thomas Halsall.
 Descend S. slope 25 ft. to creek.

1.25 Enter bottom, bears N. and S. Continue descending
 gentle E. slope.

5.27 Cor. No. 2 of H. E. S. No. 104, Thomas Halsall, which is
 a quartzite boulder 9 x 6 x 10 ins. above ground, mark-
 ed and witnessed as described by me in the field notes
 thereof.

5.40 Left bank, dry bed of Ice House Creek, bank 6 ft. high,
 course N.

6.35 Right bank Ice House Creek, bank 6 ft. high, course N.
 Ascend 15 ft. to cor.

8.46 Road, bears N. and S.

8.81 To cor. No. 2.

Identical with cor. No. 1 of the list survey, which is
 a red sandstone 12 x 4 x 8 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor. and at this point
 I set a granite stone 26 x 10 x 6 ins. 16 ins. in the

Chains

ground over a small stone marked with a cross (+) for cor. No. 2 of this survey, marked 2-HES107 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft.

high SW. of cor. from which:

A catsclaw 4 ins. dia. bears S. 79° 25' W.

16 lks. dist. marked 2 H E S 107 B T.

A catsclaw 4 ins. in dia. bears S. 27° 10' W.

75 lks. dist. marked 2 H E S 107 B T.

Cor. No. 3 of H. E. S. No. 129, Rebecca Howard,

bears S. 12° 40' E. 9.75 chs.

Thence S. 19° 05' W.

Along foot of W. slope.

1.00 Road, bears N. and S.

8.54 Road, bears NE. and SW.

15.60 Arroyo, 20 lks. wide, banks 2 ft. high, course W. Ascend 60 ft. along W. slope.

20.00 Forest Service Telephone line, bears NE. and SW.

38.00 Cease ascending and descend W. slope 5 ft. to cor.

39.86 To cor. No. 3.

Identical with cor. No. 2 of list survey, which is a brown sandstone 8 x 8 x 7 ins. above ground, marked and

witnessed as described by the Forest Service. I des-

troy all trace of this list cor. and at this point I

set a red sandstone 24 x 12 x 8 ins. 14 ins. in the

ground over a small stone marked with a cross (+) for

cor. No. 3 of this survey, marked 3-HES107 on the NW.

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

high NW. of cor. from which:

A cross (+) on an imbedded granite boulder 5 x 4 x

2-1/2 ft. above ground, marked 3 H E S 107 B R

bears N. 8° E. 81 lks. dist.

No other bearings available. Pits impracticable.

CROOK NATIONAL FOREST

ARIZONA

Chains	March 11, 1914.
	At 12 h. 10 m. p.m., I set off 3° 48' S. on the decl. arc and observe the sun on the meridian at apparent noon and obtain a reading of 33° 22' on the lat. arc.
	Thence S. 85° 50' W.
3.60	Descend W. slope 40 ft. to Ice House Creek. Forest Service telephone line, bears N. and S.
4.25	Irrigation ditch of R. E. Lee, 2 lks. wide, course N.
4.55	Road bears N. and S.
5.05	Ice House Creek, 30 lks. wide, banks 5 ft. high, course N. Ascend E. slope 20 ft. to spur.
10.00	Spur, bears NE. and SW. Continue along North slope.
35.25	Road, bears NE. and SW.
37.65	Kelner Creek, bed 50 lks. wide, banks 4 ft. high, course N. Ascend S. slope 20 ft. to cor.
44.66	To Cor. No. 4.
	Identical with cor. No. 3 of the list survey, which is a brown gneiss stone 16 x 6 x 8 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor. and at this point I set a granite stone 24 x 10 x 8 ins. 14 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 4 of this survey, marked 4-HES107 on the ENE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high ENE. of cor. from which:
	A mesquite 4 ins. dia. bears S. 80° E. 81 lks. dist. marked 4 H E S 107 B T.
	A mesquite 4 ins. dia. bears N. 0° 50' E. 103 lks. dist. marked 4 H E S 107 B T.
	Cor. No. 1 of H. E. S. No. 128, Peter Osterman, bears S. 80° 15' W. 14.69 chs. dist.

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Chains	Thence N. 67° 16' E.
8.40	Descend S. slope 20 ft. to creek bed. Dry bed Kelner Creek, 60 lks. wide, banks 3 ft. high, course NE.
13.00	Enter Kelner Creek, bank 1 ft. high, course E.
15.50	Leave Kelner Creek, bank 13 ft. high, course E. Ascend S. slope 25 ft.
36.00	Cease ascending and descend 10 ft. to cor.
39.17	To cor. No. 5. Identical with cor. No. 4 of the list survey, which is an imbedded granite boulder 6 x 3 x 3 ft. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) on the apex of the same stone for cor. No. 5 of this survey and 5-HES107 on the SE. face of the same stone, from which, A cross (+) on an imbedded granite boulder 4 x 3 x 4 ft. above ground, marked 5 H E S 107 B R bears N. 47° 25' W. 24 lks. dist. A catsclaw 6 ins. dia. bears N. 87° E. 68 lks. dist. marked 5 H E S 107 B T.
	<hr/>
	Thence N. 25° 00' E.
	Ascend E. slope 15 ft.
20.02	Fence, bears NW. and SE.
4.25	Fence, bears NE. and SW.
9.00	Spur, bears NE. and SW. Desc. N. slope 65 ft. to ravine.
17.09	Cor. No. 4 of H. E. S. No. 104, Thomas Halsall, which is a quartzite stone 12 x 5 x 10 ins. above ground, marked and witnessed as described by me in the field notes thereof.
	Continue along line 4-3 of H. E. S. No. 104.
18.62	Ravine, course E. Ascend SW. slope 30 ft.
22.37	Spur, bears E. and W. Descend E. slope 25 ft.

HOMESTEAD ENTRY SURVEY NO. 107

CROOK NATIONAL FOREST

ARIZONA

Chains	General Description	Chains
30.37	To cor. No. 1 of this survey, the place of beginning.	
	March 11, 1914.	
Area of Homestead Entry Survey No. 107.		
	Total Area 64.61 acres.	
Improvements.		
The improvements made upon and for the benefit of this homestead and belonging to Robert E. Lee, consist of the following:		
	A well, 4 x 4 x 16 ft. deep, also 2-1/2 H. P. engine and pump, the center of which bears S. 71° 25' E. 4.80 chs. dist. from cor. No. 5. Value \$ 125.00	
	A frame shop, 12 x 15 ft. the long side of which bears N. and S. and the SW. cor. of which bears East 7.20 chs. dist. from cor. No. 5. Value \$ 50.00	
	A frame dwelling 35 x 40 ft. the long side of which bears N. and S. and the SW. cor. of which bears N. 88° 30' E. 7.85 chs. dist. from cor. No. 5. Value \$ 300.00	
	A frame shed 70 x 70 ft. the long side of which bears N. and S. and the SW. cor. of which bears N. 85° E. 9.20 chs. dist. from cor. No. 5. Value \$ 100.00	
	A stone and earth reservoir embankment, N. end of which, 8 ft. high, bears S. 89° 00' E. 10.70 chs. dist.; and S. end of which, 5 ft. high, bears S. 70° 45' E. 7.60 chs. dist. from cor. No. 5. Value \$ 200.00	
There is an orchard of about 1/2 acre in extent and approximately 6 acres of cultivated land.		

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ARIZONA

Chains

General Description

Chains

This claim is situated on Ice House Creek at an elevation of approximately 3900 ft. and is chiefly valuable for intensive farming. The soil is a sandy loam and hardpan.

I saw no indication of mineral upon this claim. Globe post office and Arizona Eastern Railway Station is 2-1/2 miles in a northeasterly direction.

Conflicts and Adjoining Claims.

This claim is joined on the N. and W. by H. E. S. No. 104, Thomas Halsall. Cor. No. 1 of H. E. S. No. 128, Peter Osterman, bears S. 80° 15' W: 14.69 chs. dist: from cor. No. 4. Cor. No. 3 of H. E. S. No. 129, Rebecca Howard, bears S. 12° 40' E. 9.75 chs. dist. from cor. No. 2.

Latitudes, Departures and Closing Errors.

Bearing	Distance	Latitude		Departure	
		N	S	E	W
S. 78° 06' E.	8.81		1.82	8.62	
S. 19° 05' W.	39.86		37.67		13.03
S. 85° 50' W.	44.66		3.24		44.54
N. 67° 16' E.	39.17	15.14		36.13	
N. 25° 00' E.	30.37	27.52		12.83	
	162.87	42.66	42.73	57.58	57.57
			42.66	57.57	
Error in Lat. and Dep.			.07	.01	
Closing Error	1:2303.				

Walter J. Turley
 Forest Service Surveyor.

DIRECTIONS.—1. Carry out the area in acres 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; but put below them the corrected footing in red ink. 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

R. C. Lee & Co. S. D. 107.

No.	COURSE.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	S. 78° 06' E.	881		182	862		10654		19390
	S. 19° 05' N.	3986		3767 ⁵			10213		387579
	S. 85° 50' N.	4466		322 ²			4455		14345
	N. 67° 16' E.	3917	151 ⁶		3613		3613	54773	
	N. 25° 00' E.	3037	2753 ³		1283		8509	234253	
		16287	4266	4273	5758			289026	4182254
			4969	4269	5758			2129228	
	Closing Error	1.2303.							6461 = Area

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, December 10, 1914 .

The foregoing field notes of Homestead Entry Survey No.

107

Robert E. Lee

executed by Walter G. Turley, Forest Service Surveyor

under his special instructions, dated October 30, 1913, and Supplemental Special Instructions dated March 9, 1914, having been critically examined, and the necessary corrections 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.