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ORIGINAL

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MAR-4-1919
APR-2-1920

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 533

SITUATED IN THE Coronado NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 8 , unsurveyed, Township 24 S, Range 19 E
In Section 9 , unsurveyed, Township 24 S, Range 19 E
In Section 16 , unsurveyed, Township 24 S, Range 19 E
In Section 17 , unsurveyed, Township 24 S, Range 19 E

(Secs. 8 and 9)

of the

Gila and Salt River Base & Meridian.

State of Arizona

Applicant for listing William Pierce
Residence Sunnyside, Arizona.
Application No. 253 , dated June 13 , 1913
List No. 3-2720 , dated August 11 , 1913

Applicant for survey Samuel W. Lacey
Residence Sunnyside, Arizona.
H. E. No. 029301 , dated February 16 , 1916
Office
Land District Phoenix, Arizona.

Survey executed by C. A. Long, Surveyor, Forest Service.
[Forest Service Title.]
Under special instructions dated March 28 , 1917
Survey commenced May 18 , 1917
Survey completed May 22 , 1917
Under Acts of June 11, 1906, and August 11, 1916.



OATH OF ASSISTANTS

We hereby certify that we assisted
Surveyor, Forest Service
[Forest Service Title.]

C. A. Long
in surveying all those

parts or portions of Homestead Entry Survey No. 533, in the State of Arizona 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 Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

[Signature] Chairman

[Signature] Chairman

Subscribed and sworn to before me this 22d day of May, 1917

[Signature]
Surveyor, Forest Service

OATH OF SURVEYOR

I, C. A. Long, Surveyor, Forest Service.
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated March 28, 1917, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land embraced in List No. 3-2720, dated August 11, 1913 and a tract of land upon the application of William Pierce

APPLICATION, No. 253, dated June 13, 1913, for LISTING AND PATENT, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 533, situated within the Coronado National Forest, in unsurveyed Section 8, Township 24 S, Range 19 E, and unsurveyed Section 9, Township 24 S, Range 19 E and unsurveyed Section 16, Township 24 S, Range 19 E and unsurveyed Section 17, Township 24 S, Range 19 E. of the Gila and Salt River Base & 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.

[Signature]
Surveyor, Forest Service.
[Forest Service Title.]

Subscribed and sworn to before me this ninth day of November, 1918

[Signature]
Notary Public.



8-2349

My Commission expires March 17, 1921.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Wm. Pierce; Application No. 253, dated June 13, 1913; List No. 3-2720, dated Aug. 11, 1913; H. E. 029301 made in the Phoenix Land Office on February 16, 1916 by Samuel W. Lacey. Also a tract of unlisted land adjoining claimant's entry was included in this survey, the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry. This is therefore a composite survey. Surveyed under special instructions from the Surveyor General for Arizona, dated March 28, 1917, and designated as Homestead Entry Survey No. 533. Situated in what will probably be when surveyed, secs. 8, 9, 16 and 17. T. 24 S. R. 19 E., Gila and Salt River Base and Meridian, Coronado National Forest, Arizona. Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced May 18, 1917, and executed with a Buff and Buff transit No. 10530, equipped with Smith solar attachment. I test the adjustments of the transit and make necessary corrections.

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

May 18, 1917.
At cor. No. 1 hereafter described, at 6h. 48m. 24s. p.m. 1.m.t. I observe Polaris with telescope direct, reading an angle of 54° 28' from star to right to a lone tree on Huachuca mountains about 10 miles distant.

Chains Lat. 31° 21' 14" N., Long. 110° 25' 36" W. from U.S.G.S.

sheet of Hereford Quadrangle.

Greenwich m.t. U.C.Pol. May 18, 1917 9h. 47.5m. a.m.

Long. corr. May 18, 1917 9h. 46.3m.

U.C.Pol. May 18, 1917 9h. 46.3m. + 12 00.0

Astron. l.m.t. U.C.Pol. May 17, 1917 21h. 46.3m.

Astron. l.m.t. of obsn. May 17, 1917 30h. 48.4 Hour angle 9h. 02.1m.

Azimuth of Pol. at obsn. 0° 55' 10" W.

Bearing of reference mark N. 53° 32' 50" E.

At the same point at 6h. 50m. 26s. p.m., l.m.t., I

again observe Pol. with telescope reversed, reading an angle of 54° 27' from star to right to the same reference mark.

Astron. l.m.t., U.C.Pol. May 17, 1917 21h. 46.3m.

Astron. l.m.t., of obsn. May 17, 1917 30 50.4

Hour angle 9h. 04.1

Azimuth of Pol. at obsn. 0° 54' 40" W.

Bearing of reference mark N. 53° 32' 20" E.

The bearing of reference mark as determined by taking the mean of the two observations is N. 53° 32' 35" E. and from the corresponding meridian all the courses of this survey were deflected.

May 19, 1917 BOUNDARIES OF CLAIM May 19, 1917

Beginning at cor. No. 1

Deposit a sandstone 1 x 3 x 4 ins. marked with a + 24 ins. in the ground, over which set an iron post

2 ins. dia., 36 ins. long, with brass cap marked 1917

on S. and 1 H E S 533 on NE quadrant and raise a

mound of stone 4 ft. base, 3 ft. high NE. of cor.,

whence;

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A black oak 10 ins. dia., bears S. 56° 50' E.,
41 lks dist.

A black oak 20 ins. dia. bears S. 13° 00' W.,
116 lks. dist.

Each blazed and scribed 1 H E S + 533 B T.

The cor. to Secs. 7, 12, 13 and 18, T. 24S R.

18 and 19 E., which is also cor. No. 1 of

H E S 296, a sandstone 6 x 8 x 10 ins. above

ground, firmly set and marked with 2 notches

on N., 4 notches on S. and 1 H. E S 296 on E.

bears N. 88° 03' W., 156.95 chs. dist. by

traverse which appears at end of these notes.

Cor. No. 7, H E S 297, which is a diorite stone

8 x 8 x 10 ins. above ground, firmly set and

marked 7 H E S 297 on NW. face bears N. 89°

18' W. 76.69 chs. dist. by traverse which

appears at end of these notes.

The observed mag. decl. at 8 a.m. is 13° 00' E., which

corrected for diurnal change gives a mean mag. decl.

of 12° 57' E.

Lat. 31° 21' 14" N., Long. 110° 25' 36" W. from U. S.

G. S. sheet of Hereford quadrangle.

Thence N. 3° 27' E.

over unlisted land, along rolling E. slope, through

scattering oak timber.

10.70 Arroyo 5 lks. wide 4 ft. deep, course E.

12.00 Road bears NE. and W.

18.50 Arroyo 30 lks. wide 5 ft. deep, course S. 40° 00' E.

18.68 Intersect cor. H-1 of the list survey, which is a gneiss
stone 6 x 14 x 16 ins. above ground, marked and wit-
nessed as described by the Forest Service. I destroy
all trace of this list cor.

Thence over listed land.

HOMESTEAD ENTRY SURVEY NO. 533

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18.73 Wire fence bears N. 60° 00' W. and S. 60° 00' E.

22.90 Wire fence bears N. 12° 00' E. and S. 12° 00' W.

73.70 Draw, course E.

78.69 To cor. No. 2.

Identical with cor. H-2 of the list survey, which is a porphyry stone 6 x 12 x 12 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor.

Deposit a sandstone 1 x 2 x 4 ins. marked with a + 15 ins. in the ground, over which set a sandstone 10 x 12 x 25 ins. chiseled + for the point and 2 H E S 533 on SE. face; raise a mound of stone 4 ft. base, 3 ft. high SE. of cor., whence;

A Black oak 8 ins. dia. bears N. 67° 00' E. 27 lks. dist.

A Black oak 12 ins. dia. bears S. 6° 30' W. 30 lks. dist.

Each blazed and scribed 2 H E S + 533 B. T.

May 19, 1917.

May 20, 1917, Sunday.

May 21, 1917.

Thence S. 89° 37' E.,

through scattering oak timber.

5.15 Cor. of wire fence bears S. 2 lks. dist. from which fence bears S. 3° 00' W. and parallel to line.

5.75 Draw, course S. 3° 00' W.

11.00 Wash 10 lks. wide, course S. 15° 00' W.

14.00 Leave wire fence bearing south.

14.10 To cor. No. 3.

Identical with cor. H-3 of the list survey, which is a gneiss stone 6 x 12 x 24 ins. above ground, marked and witnessed as described by the Forest Service. I

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

destroy all trace of this list cor. Deposit a sandstone 3 x 3 x 5 ins. marked with a + 12 ins. in the ground, over which set a sandstone 10 x 10 x 18 ins. (no larger stone available), chiseled + for the point. and 3 H E S 533 on SW. face; raise a mound of stone 4 ft. base, 3 ft. high SW. of cor., whence;

A Black oak 12 ins. dia. bears N. 19° 00' W., 34 lks. dist.

A Black oak 10 ins. dia. bears S. 7° 00' W. 55 lks. dist.

Each blazed and scribed 3 H E S + 533 B T.

Thence S. 9° 21' E.,

Along gradual W. slope through scattering oak.

22.25 Draw, course S. 15° 00' W.

22.77 To cor. No. 4.

Identical with cor. H-4 of the list survey, which is a gneiss stone 5 x 8 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a granite stone 4 x 4 x 6 ins. marked with a + 14 ins. in the ground, over which set a sandstone 14 x 18 x 24 ins. chiseled + for the point and 4 H E S 533 on S. face; raise a mound of stone 4 ft. base, 3 ft. high S. of cor., whence;

A Black oak 12 ins dia. bears N. 82° 37' E. 16 lks. dist.

A Black oak 20 ins. dia. bears S. 28° 53' E. 26-1/2 lks. dist.

Each blazed and scribed 4 H E S + 533 B T.

Chains Thence N. 63° 55' E.,
 Along rolling SE. slope, through scattering oak.
 17.00 Draw, course S. 10° 00' E.
 20.72 To cor. No. 5.
 Identical with cor. H-5 of the list survey, which is
 a porphyry stone 4 x 8 x 16 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor.
 Deposit a sandstone 2 x 3 x 4 ins. marked with a +
 12 ins. in the ground, over which set a sandstone
 8 x 12 x 22 ins. (no larger stone available) chiseled
 + for the point and 5 H E S 533 on SW. face; raise
 a mound of stone 4 ft. base, 3 ft. high, SW. of cor.,
 whence;
 A Black oak 16 ins. dia. bears N. 87° 17' E.
 126 lks. dist.
 A Black oak 10 ins. dia. bears S. 1° 20' W.,
 47 lks. dist.
 Each blazed and scribed 5 H E S + 533 B T.

Thence S. 19° 39' E.,
 Through scattering oak timber.
 3.22 Wash, 10 lks. wide, course S. 62° 00' W.
 5.02 To cor. No. 6.
 Identical with cor. H-6 of the list survey, which is
 a gneiss stone 6 x 6 x 19 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor.
 Deposit a sandstone 1 x 3 x 4 ins. marked with a +
 14 ins. in the ground, over which set a sandstone
 10 x 14 x 24 ins. chiseled + for the point and 6 H E S
 533 on NW. face; raise a mound of stone 4 ft. base
 3 ft. high NW. of cor., whence;
 A Black oak 10 ins. dia. bears S. 54° 18' E.,
 33 lks. dist.

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A black oak 18 ins., dia. bears N. 11° 00' E.
55 lks. dist.
Each blazed and scribed 6 H E S + 533 B T.

Thence S. 60° 28' W.,

Over rolling NW. slope through scattering oak timber.

15.90

Cor. H-7 of the list survey, which is a porphyry stone
4 x 5 x 14 ins. above ground, marked and witnessed as
described by the Forest Service, bears N. 20° 00' W.
45 lks. dist. I destroy all trace of this list cor.

27.35

To Cor. No. 7.

Identical with cor. H-8 of the list survey, which is a
gneiss stone 4 x 6 x 14 ins. above ground, marked and
witnessed as described by the Forest Service. I des-
troy all trace of this list cor. Deposit a limestone
2 x 4 x 5 ins. marked with a + 12 ins. in the ground,
over which set a sandstone 8 x 8 x 18 ins. (no larger
stone available), chiseled + for the point and 7 H E S
533 on NW. face; raise a mound of stone 4 ft. base,
3 ft. high NW. of cor., whence:

A white oak 12 ins. dia. bears N. 14° 18' W.,
15 lks. dist.

A black oak 20 ins. dia. bears S. 76° 47' W.,
51 lks. dist.

Each blazed and scribed 7 H E S + 533 B T.

May 21, 1917.

May 22, 1917.

Thence S. 7° 42' W.,

Along rolling W. slope through scattering oak timber.

31.00

Leave rolling W. slope, enter valley.

32.00

Wash, 15 lks. wide, course S. 72° 00' W.

33.85

Intersect cor. H-9 of the list survey, which is a gneiss
stone 5 x 6 x 20 ins. above ground, marked and witnessed
as described by the Forest Service. I destroy all

TERO CORONADO NATIONAL FOREST

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Chains	trace of this list cor.
	Thence over unlisted land.
34.00	Road bears S. 70° 00' W. and N. 70° 00' E.
35.20	Road bears E. and W.
39.50	Road bears S. 10° 00' W. and N. 10° 00' E.
47.86	To cor. No. 8.
	Deposit a sandstone 2 x 4 x 5 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long with brass cap marked 1917 on S. and 8 H E S 533 in NW. quadrant; raise a mound of stone 4 ft. base, 3 ft. high NW. of cor., whence: A black oak 12 ins. dia. bears N. 87° 00' E., 95 lks. dist. A black oak 12 ins. dia. bears N. 18° 42' E., 148 lks. dist. Each blazed and scribed 8 H E S + 533 B T. Cor. No. 2 of H E S 298 a porphyry stone 18 x 10 x 10 ins. above ground, firmly set and marked 2 H E S 298 on SE. face, bears S. 37° 13' W., 29.75 chs. dist. by direct measurement.
	Thence N. 87° 15' W., Over unlisted land, through scattering oak and across valley land.
1.40	Road bears S. 10° 00' E. and N. 10° 00' W.
6.60	Wash 25 lks. wide, course S.
8.00	Leave bottom land, asc. 25 ft. to cor. over E. slope.
12.63	To cor. No. 1 the place of beginning.
	AREA
	Area of listed land - - - - - 113.77 Acres
	Area of unlisted land - - - - - 21.59 Acres
	Total area - - - - - 135.36 Acres

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

IMPROVEMENTS

The improvements made upon the claim and belonging to the claimant herein consist of the following:

A Windmill over a dug well 70 ft. deep, the center of which bears N. 5° 00' W., 20.90 chs. dist. from cor. No. 8.

Value - - - - - \$ 500.00

An adobe house 12 x 16 ft., course of long side E. and W. the SE. cor. of which bears N. 12° 00' W. 22.25 chs. dist. from cor. No. 8.

Value - - - - - \$ 75.00

A Pole shed 12 x 15 ft., course of long side N. and S. the SE. cor. of which bears N. 8° 11' W., 24.60 chs. dist. from cor. No. 8.

Value - - - - - \$ 15.00

1-3/4 miles of barbed wire fencing.

Value - - - - - \$ 250.00

Total value of improvements - - - - - \$ 830.00

DESCRIPTION

The claim is located in a draw, draining in a southerly direction.

The soil in the valley is a black loam, first rate.

About 35 acres are under cultivation and produce good crops of corn, beans and forage. Approximately 60 acres of the total area can be farmed, the remainder is rocky hillsides, fit for pasture land only.

The uncultivated portion of the claim is covered with scattering oak.

There is no merchantable timber or evidence of mineral on the claim.

A dug well 70 ft. deep provides ample water for domestic use and for watering about 100 head of stock.

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

H E S No. 298 is about 25 chs. South., H E S 299 is about 1 mile South, H E S 296 is about 1-1/2 miles West, H E.S No. 297 is about 1 mile West and H E S 534 is about 3/4 mile NW.

Sunnyside, Arizona, post office is 6 miles NW. and is reached by a rough wagon road.

Nogales, Arizona, the nearest railway point, is 32 miles West and is reached by a good wagon road.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	N. 3° 27' E.	78.69	78.55		4.74		
2-3	S. 89° 37' E.	14.10		.09	14.10		
3-4	S. 9° 21' E.	22.77		22.47	3.70		
4-5	N. 63° 55' E.	20.72	9.11		18.61		
5-6	S. 19° 39' E.	5.02		4.73	1.69		
6-7	S. 60° 28' W.	27.33		13.47		23.78	
7-8	S. 7° 42' W.	47.86		47.43		6.41	
8-1	N. 87° 15' W.	12.63	.61			12.62	
			229.12	88.27	88.19	42.84	42.81
				88.19		42.81	

Error in Lat. and Dep.

.08 .03

Closing error 1:2682.

Tie from cor. No. 1 to Cor. of sees. 7, 12, 13 and 18, T. 24 S., R. 18 and 19 E., also cor. No. 1 H E S 296.

Course	Dist.	N.	S.	E.	W.
N. 88° 44' W.	120.52	2.66			120.49
N. 85° 47' W.	36.47	2.68			36.37
		5.34			156.86

Resultant course: N88° 03' W. 156.95 chs.

Tie from cor. No. 1 to cor. No. 7 H E S 297.

Course	Dist.	N.	S.	E.	W.
N. 88° 44' W.	76.35	1.69			76.33
S. 24° 48' W.	0.84		.76		.35
		1.69	.76		76.68
		.78			

Resultant course: N89° 18' W. 76.69 chs.

Survey completed May 22, 1917.



Surveyor Forest Service.

- DIRECTIONS.—1. Carry out calculation 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. 533, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	N. 3° 27' E.	78.69 ✓	78 55 ²		4 74 ²		4 72	370 61			
2-3	S. 89° 37' E.	14.10 ✓		09 ✓	14 10 ✓		23 54 ✓			2 12 ✓	
3-4	S. 9° 21' E.	22.77 ✓		22 47 ⁸	3 70 ✓		41 34 ✓			929 32 ✓	
4-5	N. 63° 55' E.	20.72 ✓	9 11 ¹⁰		18 61 ✓		63 65 ✓	579 22 ✓			
5-6	S. 19° 39' E.	5.02 ✓		4 73 ✓	1 69 ✓		83 95 ✓			397 08 ✓	
6-7	S. 60° 28' W.	27.33 ✓		13 47 ⁸		23 78 ✓	61 86 ✓			833 87 ✓	
7-8	S. 7° 42' W.	47.86 ✓		47 43 ⁵		6 41 ²	31 66 ✓			1502 27 ✓	
8-1	N. 87° 15' W.	12.63 ✓	61 ✓			12 62 ✓	12 62 ✓	7 70 ✓			
		229.12 ✓	88 27 ✓	88 19 ✓	42 84 ✓	42 81 ✓		957 53 ✓		3664 66 ✓	
										957 53	
			88 23	88 23	42 82	42 82				20 / 2707 13	
	Closing error	1:2682								135.36	135.36 A.
			Traverse of Unlisted Area								
	S 7° 42' W	14.01 ✓		13 88 ✓		1 88 ✓	27 12 ✓			376 43 ✓	
	N. 87° 15' W	12 63 ✓	61 ✓			12 62 ✓	12 62 ✓	7 70 ✓			
	N. 3° 27' E	18.68 ✓	18 65 ✓		1 12 ✓		1 12 ✓	20 89 ✓			
	S. 68° 06' E	14.42 ✓		5 38 ✓	13 38 ✓		15 62 ✓			84 04 ✓	
			19 26	19 26	14 50	14 50		28 59 ✓		460 47 ✓	
										28 59	
										20 / 431 88	
										21 59 Acres	

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APPROVAL

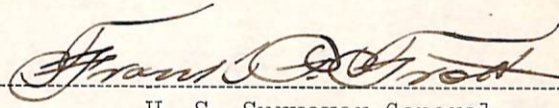
Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

533

executed by C. A. Long, Surveyor [Forest Service Title.]
under his special instructions, dated March 28, 1917, having
been critically examined, and the necessary corrections 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 the State of Arizona, has been
correctly copied from the original notes on file in this office.

FRANK P. TROTT

U. S. Surveyor General.